CUMULATED INDEX MEDICUS

VOLUME 27, 1986

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service
National Institutes of Health

ISSN: 0090-1423

NATIONAL LIBRARY of MEDICINE

CUMULATED INDEX MEDICUS

VOLUME 27, 1986

SUBJECT INDEX SI-Z

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service
National Institutes of Health

NATIONAL LIBRARY OF MEDICINE
8600 Rockville Pike
Bethesda, Maryland 20894

NIH Publication No. 87-259

National Library of Medicine Cataloging in Publication

ZW
1
I384

Cumulated Index medicus. -- Vol. 1 (Jan.-Dec.1960)-
.-- Chicago : American Medical Association ;
Washington, D.C. : Supt. of Docs., U.S. G.P.O.
[distributor], 1961-
v.
Vols. for 1965- issued by the National Library of Medicine.
Continues: Quarterly cumulative Index medicus.
Annual cumulation of the monthly issues of Index medicus.
Vols. for 1971-1978 issued as DHEW publication ; no. (NIH) 72-259, etc.; for 1979- as NIH publication ; no. 80-259, etc.
Issues for 1967- include Bibliography of medical reviews.
ISSN 0090-1423 = Cumulated Index medicus.

1. Bibliography of Medicine 2. Medicine - indexes I. American Medical Association. II. National Library of Medicine (U.S.). III. Bibliography of medical reviews IV. Index medicus V. Series: DHEW publication ; no. (NIH) 72-259, etc. VI. Series: NIH publication ; no. 80-259, etc.

© *All or portions of this publication are protected against copying or other reproduction outside of the United States in accordance with the provisions of Article II of the Universal Copyright Convention.*



This book is printed on acid-free paper for permanence.

For sale by the Superintendent of Documents, U.S. Government Printing Office
Washington, D.C. 20402

CUMULATED INDEX MEDICUS
CONTENTS

Book 1

PREFACE

INTRODUCTION

ACCESS TO ARTICLES CITED

MEDICAL SUBJECT HEADINGS (Contents) III

Book 2

JOURNALS INDEXED—Abbreviation Listing 913

Full Title Listing 983

BIBLIOGRAPHY OF MEDICAL REVIEWS—

Subject Index 1045

CUMULATED INDEX MEDICUS—

Author Index A-Bs 1493

Book 3 Author Index Bu-Gs

Book 4 Author Index Gu-L

Book 5 Author Index M-R

Book 6 Author Index S-Z

Book 7 Subject Index A-Bli

Book 8 Subject Index Blo-Cu

Book 9 Subject Index Cy-Fo

Book 10 Subject Index Fr-Ins

Book 11 Subject Index Int-Moh

Book 12 Subject Index Mol-Pi

Book 13 Subject Index Pl-Sk

Book 14 Subject Index Sl-Z

[Chronic subdural hematoma secondary to metastasis of adenocarcinoma of the dura mater and skull—a case report] Sugawara A, et al. **Gan No Rinsho** 1986 Feb;32(2):190–5 (Eng. Abstr.) **(Jpn)**

[Extraneural metastases of malignant ependymoma inducing atelectasis and superior vena cava syndrome—a case report and review of the literature] Wakabayashi T, et al. **No Shinkei Geka** 1986 Jan;14(1):59–65 (Eng. Abstr.) **(Jpn)**

[Metastasis of thyroid cancer to the frontal bone] Sandurskil IuM, et al. **Klin Khir** 1985;(12):32 **(Rus)**

[Neurological disorders in patients with metastases of breast cancer to the cranial bones] Tarasiuk SV, et al. **Vopr Onkol** 1986;32(7):26–30 (Eng. Abstr.) **(Rus)**

SURGERY

Rare tumors of the skull base and temporal bone. Kinney SE, et al. **Am J Otol** 1985 Nov;Suppl:135–42

Craniofacial osteotomies to facilitate skull base tumour resection. Jackson IT, et al. **Br J Plast Surg** 1986 Apr; 39(2):153–60

Surgical management of tumours invading the skull base. Derome PJ. **Can J Neurol Sci** 1985 Nov;12(4):345–7

The midfacial degloving approach to the central skull–base. Price JC. **Ear Nose Throat J** 1986 Apr;65(4):174–80

Total rhinotomy for midline lesions of the ethmoids and the nose. Mann WJ. **J Maxillofac Surg** 1985 Dec;13(6):273–6

Large intramedullary lipoma of the cervical cord and posterior fossa. Case report. Mori K, et al. **J Neurosurg** 1986 Jun;64(6):974–6

Skull base tumors. Davini V, et al. **J Neurosurg Sci** 1985 Jan–Mar;29(1):65–71

Primary adenocarcinoma of the temporal bone with posterior fossa extension: case report. Gulya AJ, et al. **Laryngoscope** 1986 Jun;96(6):675–7

Intratemporal carotid artery bypass in resection of a base of skull tumor. Uiken ML, et al. **Laryngoscope** 1985 Dec; 95(12):1472–7

Primary intracranial chondrosarcoma: a report of two cases. Adegbite AB, et al. **Neurosurgery** 1985 Sep;17(3):490–4

Primary osteogenic sarcoma of the skull. Five-year disease-free survival following surgery and high dose methotrexate therapy. Sundaresan N, et al. **NY State J Med** 1985 Oct;85(10):598–9

A combined facial, orbital and intracranial resection of extensive basal cell carcinoma arising in the eyelid. Hornblass A, et al. **Ophthalmic Surg** 1985 Dec; 16(12):769–73

Suprasellar germinoma with shunt metastasis: report of a case with an immunohistochemical characterization of the lymphocyte subpopulations. Paine JT, et al. **Surg Neurol** 1986 Jan;25(1):55–61

[The transfacial flap in surgery of tumors of the middle and posterior 3d of the face and base of the skull. Its use as a means of approach and reconstruction] Hadjean E, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(7):479–85 (Eng. Abstr.) **(Fre)**

[Value of the orbito–fronto–temporo–malar approach in the excision of various meningiomas of the sphenoidal crest] Lesoin F, et al. **Neurochirurgie** 1986;32(2):154–60 (Eng. Abstr.) **(Fre)**

[Cancer of the ethmoid bone extending to the anterior cerebral level. Value and limitations of the neurosurgery–ORL double team] Mariel P, et al. **Rev Laryngol Otol Rhinol (Bord)** 1986;107(1):27–9 (Eng. Abstr.) **(Fre)**

[A case of ossifying fibroma of the skull] Takayama H, et al. **No Shinkei Geka** 1985 Jun;13(6):669–73 (Eng. Abstr.) **(Jpn)**

[Intrasellar syndrome. Analysis of 506 cases of transsphenoidal surgery] Sampaio P. **Arq Neuropsiquiatr** 1985 Dec;43(4):355–9 (Eng. Abstr.) **(Por)**

[Intermediate revascularization of complex composite flaps in plastic surgery of extensive penetrating defects of the skull] Nerobeev AI, et al. **Vestn Khir** 1986 Apr;136(4):104–7 (Eng. Abstr.) **(Rus)**

VETERINARY

Osteoma in a ferret. Jensen WA, et al. **J Am Vet Med Assoc** 1985 Dec 15;187(12):1375–6

Craniofacial tumors of the koala (Phascolarctos cinereus). Sutton RH. **J Wildl Dis** 1986 Apr;22(2):283–5

Multilobular osteoma (chondroma rodens) in a pekingese. Fukui K, et al. **Vet Rec** 1986 Apr 26;118(17):483

SKUNKS see under **CARNIVORA**

SLAUGHTERHOUSES see **ABATTOIRS**

SLEEP

Diurnal administration of human growth hormone–releasing factor does not modify sleep and sleep–related growth hormone secretion in normal young men. Garry P, et al. **Acta Endocrinol (Copenh)** 1985 Oct;110(2):158–63

Sleeping position and sleep apnea syndrome. Kavey NB, et al. **Am J Otolaryngol** 1985 Sep–Oct;6(5):373–7

Degree of dependence on the ventilator according to sleep states in artificially ventilated premature infants. Curzi–Dascalova L, et al. **Am J Perinatol** 1986 Jul; 3(3):169–73

Breathing during sleep. Flenley DC. **Ann Acad Med Singapore** 1985 Jul;14(3):479–84 (35 ref.)

Ear oximetry studies during sleep in patients with severe chronic obstructive pulmonary disease in a stable state. Gimeno F, et al. **Ann Allergy** 1986 Feb;56(2):142–4

Developmental changes of oculomotor characteristics in infants when awake and in the 'active state of sleep'. Lynch JA, et al. **Behav Brain Res** 1986 May;20(2):175–83

Auditory thresholds during continuing sleep. Bonnet MH. **Biol Psychol** 1986 Feb;22(1):3–10

Nocturnal lower limb myoclonus [letter] Cybulska E, et al. **Br J Hosp Med** 1986 Jun;35(6):432

Nocturnal hypoglycaemia in patients receiving conventional treatment with insulin [letter] Lyn PC. **Br Med J [Clin Res]** 1985 Oct 12;291(6501):1047

The 3–year–old: going to bed and staying there [letter] Burns TA. **Can Med Assoc J** 1986 Jul 15;135(2):99–100

Sleep disorders in hospital [letter] Wilson TS. **Can Med Assoc J** 1985 Oct 15;133(8):731, 734

Fat, sleep, and Charles Dickens: literary and medical contributions to the understanding of sleep apnea. Kryger MH. **Clin Chest Med** 1985 Dec;6(4):555–62

Heart rate response related to body movements in healthy and neurologically damaged infants during sleep. Erkinjuntti M, et al. **Early Hum Dev** 1985 Oct;12(1):31–7

Effect of sleep position on transcutaneous oxygen tension in SIDS siblings. Peirano P, et al. **Early Hum Dev** 1986 Jun;13(3):303–12

Nocturnal sleep in mentally retarded infants with cerebral palsy. Shibagaki M, et al. **Electroencephalogr Clin Neurophysiol** 1985 Dec; 61(6):465–71

Relation between time to falling asleep behind the wheel on a closed track and changes in subsidiary reaction time during prolonged driving on a motorway. Lisper HO, et al. **Ergonomics** 1986 Mar;29(3):445–53

Dynamics of arterial oxygen partial pressure during sleep cycle in normal and premature infants. Finkel' ML. **Hum Physiol** 1984 Jul–Aug;10(4):271–6

Sleep patterns at an altitude of 3500 metres. Selvamurthy W, et al. **Int J Biometeorol** 1986 Jun;30(2):123–35

Sleep–related respiratory disorders. Lugaresi E, et al. **Ital J Neurol Sci** 1985 Dec;6(4):389–99

Sleep in hospital. Webster RA, et al. **J Adv Nurs** 1986 Jul; 11(4):447–57 (95 ref.)

Influence of testosterone on breathing during sleep. Schneider BK, et al. **J Appl Physiol** 1986 Aug;61(2):618–23

Obesity and hormonal factors in sleep and sleep apnea. Wittels EH. **Med Clin North Am** 1985 Nov;69(6):1265–80 (95 ref.)

Sleeping–waking rhythm and frequency of seizures in epilepsy without psychoses and with chronic psychoses. Boldyrev AI, et al. **Neurosci Behav Physiol** 1985 Nov–Dec; 15(6):451–5

Sleep in industrialized settings in the northern hemisphere. Webb WB. **Psychol Rep** 1985 Oct;57(2):591–8

Cross–cultural aspects of sleep in the elderly. Domino G, et al. **Res Aging** 1985 Jun;7(2):195–208

Sleep–wake state organization, neonatal assessment and development in premature infants during the first year of life. II. Anders TF, et al. **Sleep** 1985;8(3):193–206

Developmental course of nighttime sleep–wake patterns in full–term and premature infants during the first year of life. I. Anders TF, et al. **Sleep** 1985;8(3):173–92

Sleep loss in elderly volunteers. Carskadon MA, et al. **Sleep** 1985;8(3):207–21

Sleep, dreaming, and adaptation to a stressful intellectual activity. Koulack D, et al. **Sleep** 1985;8(3):244–53

Statistical description and evaluation of the interrelationships of standard sleep variables for normal subjects. Merica H, et al. **Sleep** 1985;8(3):261–73

Sleep, sleep loss, and breathing. Phillips B. **South Med J** 1985 Dec;78(12):1483–6 (40 ref.)

[Polysomnogram and personality studies in chronic primary insomnia] Zhang GZ. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1984 Dec; 17(6):325–9 (Eng. Abstr.) **(Chi)**

[The fasting test during sleep. A simple and inexpensive diagnostic element for insulinoma (letter)] Villaume C, et al. **Presse Med** 1986 Apr 19;15(16):759 **(Fre)**

[Sleep and the dreams of Sancte de Sanctis] Albarello B. **Minerva Psichiatr** 1986 Jan–Mar;27(1):65–9 (Eng. Abstr.) **(Ita)**

DRUG EFFECTS

Prostaglandin D2: a cerebral sleep–regulating substance in rats. Ueno R, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:581–3

Differences in the sleep–wake patterns of the AA and ANA rat lines developed for high and low alcohol intake. Aalto J, et al. **Alcohol** 1986 Jan–Feb;3(1):77–9

A comparison of ethanol absorption and narcosis in long– and short–sleep mice following intraperitoneal or intragastric ethanol administration. Gilliam DM, et al. **Alcohol** 1985 Sep–Oct;2(5):655–8

The ability of divalent cations to enhance ethanol–induced sleeping time. Sutoo D, et al. **Alcohol** 1986 Jan–Feb; 3(1):69–72

Effects of 6–hydroxydopamine on brain catecholamines and on acute actions of ethanol in LS/Ibg and SS/Ibg mice. Erwin VG, et al. **Alcoholism (NY)** 1986 Jun;10(3):285–9

Effect of alcohol ingestion on breathing and oxygenation during sleep. Analysis of the influence of age and sex. Block AJ, et al. **Am J Med** 1986 Apr;80(4):595–600

Enhancement of slow–wave sleep by endotoxin and lipid A. Krueger JM, et al. **Am J Physiol** 1986 Sep;251(3 Pt 2):R591–7

Brain temperature changes coupled to sleep states persist during interleukin 1–enhanced sleep. Walter J, et al. **Am J Physiol** 1986 Jan;250(1 Pt 2):R96–103

A third view on benzodiazepines and sleep latency [letter] Rosenbaum JF. **Am J Psychiatry** 1985 Dec;142(12):1524

Benzodiazepines: half–life and daytime hyperarousal [letter] Soldatos CR. **Am J Psychiatry** 1986 Jun;143(6):813–4

Effects of delta sleep inducing peptide on sleep cycle of cats deprived of paradoxical sleep. Susić V, et al. **Arch Int Physiol Biochim** 1985 Nov;93(4):271–7

Effect of xylocaine and carbachol applied to the caudate nucleus of rats on barbiturate sleeping time. Maggi SP, et al. **Arch Ital Biol** 1986 May;124(2):121–8

Effects of brotizolam on the sleep–waking cycle of the cat. Kuhn FJ. **Arzneimittelforschung** 1986 Mar;36(3A):522–7

Alpha–methyl–para–tyrosine effects in mice selectively bred for differences in sensitivity to ethanol. French TA, et al. **Biochem Pharmacol** 1985 Nov 1;34(21):3811–21

Effects of nootropic drugs on the sleep–waking pattern of the rat. Wetzel W. **Biomed Biochim Acta** 1985; 44(7–8):1211–7

Hypnotic activity of an imidazo–pyridine (zolpidem). Nicholson AN, et al. **Br J Clin Pharmacol** 1986 Feb; 21(2):205–11

Effects of paroxetine on human sleep. Oswald I, et al. **Br J Clin Pharmacol** 1986 Jul;22(1):97–9

Intracerebroventricular infusion of somatostatin selectively increases paradoxical sleep in rats. Danguir J. **Brain Res** 1986 Mar 5;367(1–2):26–30

Effect of chronic intracerebroventricular infusion of cholecystokinin on respiration and sleep. DeMesquita S, et al. **Brain Res** 1986 Jul 16;378(1):127–32

Effect of beta–cyclodextrin on sleeping time induced by barbituric acid derivatives in mice. Shirakura O, et al. **Chem Pharm Bull (Tokyo)** 1985 Aug;33(8):3517–21

Benzodiazepine activity: the sleep electroencephalogram and daytime performance. Johnson LC, et al. **Clin Neuropharmacol** 1985;8 Suppl 1:S101–11

Hypnotic specificity of benzodiazepines. Ongini E, et al. **Clin Neuropharmacol** 1985;8 Suppl 1:S17–25

Ethanol–induced sleeping time in mice: age and sex differences. McBroom MJ, et al. **Comp Biochem Physiol [C]** 1986;83(2):241–3

Effect of maternal caffeine consumption on heart rate and sleep time of breast–fed infants. Ryu JE. **Dev Pharmacol Ther** 1985;8(6):355–63

The effect of sodium valproate on sleep, reaction times, and visual evoked potential in normal subjects. Harding GF, et al. **Epilepsia** 1985 Nov–Dec;26(6):597–601

Beta–blockers and sleep: a controlled trial. Betts TA, et al. **Eur J Clin Pharmacol** 1985;28 Suppl:65–8

Antihistamines: impaired performance and the tendency to sleep. Nicholson AN, et al. **Eur J Clin Pharmacol** 1986; 30(1):27–32

Alprazolam and lorazepam single and multiple–dose effects on psychomotor skills and sleep. Subhan Z, et al. **Eur J Clin Pharmacol** 1986;29(6):709–12

Acute effects of taurine and a taurine antagonist on ethanol–induced central nervous system depression. Mattucci–Schiavone L, et al. **Eur J Pharmacol** 1985 Jul 17;113(2):275–8

Taurine and ethanol–induced sleeping time in mice: route and time course effects. McBroom MJ, et al. **Gen Pharmacol** 1986;17(1):97–100

Effect of benzodiazepine hypnotics on all–night sleep EEG spectra. Borbély AA, et al. **Hum Neurobiol** 1985; 4(3):189–94

Circadian rhythms in effects of hypnotics and sleep inducers. Reinberg A. **Int J Clin Pharmacol Res** 1986;6(1):33–44 (57 ref.)

A comparison of the effects of fentanyl and alfentanil on the sleeping times of the intravenous induction agents. Dingwall AE, et al. **J Pharm Pharmacol** 1986 Apr; 38(4):323–5

Route– and dose–dependent pharmacokinetics of hexobarbitone in the rat: a re–evaluation of the use of sleeping times in metabolic studies. Van der Graaff M, et al. **J Pharm Pharmacol** 1985 Aug;37(8):550–4

A model for p–aminobenzoic acid ester narcosis in goldfish. Mackay D, et al. **J Pharm Sci** 1985 Nov;74(11):1236–8

Differential effects of central nervous system depressants in long–sleep and short–sleep mice. Marley RJ, et al. **J Pharmacol Exp Ther** 1986 Sep;238(3):1028–33

Effects of melatonin and 5–methoxytryptamine on sleep–wake patterns in the male rat. Mirmiran M, et al. **J Pineal Res** 1986;3(2):135–41

Effect of timiperone, a new antipsychotic drug, on the sleep–wakefulness cycle in cats. Tanaka M, et al. **Jpn J Pharmacol** 1985 Nov;39(3):391–4

Influence of some dopaminoceptor agents on nitrazepam–induced sleep in the domestic fowl (Gallus domesticus) and rats. Wambebe C. **Jpn J Pharmacol** 1986 Mar;40(3):357–65

Variation in pentobarbitone sleeping time in mice. 2. Variables affecting test results. Lovell DP. **Lab Anim** 1986 Apr;20(2):91–6

Variation in pentobarbitone sleeping time in mice. 1. Strain and sex differences. Lovell DP. **Lab Anim** 1986 Apr; 20(2):85–90

Pharmacological effects of sedative–hypnotics, narcotic analgesics, and alcohol during sleep. Roth T, et al. **Med Clin North Am** 1985 Nov;69(6):1281–8 (34 ref.)

Muramyl dipeptide and sleep in rat. Kadlecová O, et al. **Methods Find Exp Clin Pharmacol** 1986 Feb;8(2):111–5

Muramyl peptide enhancement of slow–wave sleep. Krueger JM. **Methods Find Exp Clin Pharmacol** 1986 Feb; 8(2):105–10

Effects of corticotropin–releasing factor and growth hormone–releasing factor on sleep and activity in rats. Ehlers CL, et al. **Neuroendocrinology** 1986;42(6):467–74

Stereoselectivity of central alpha–adrenoceptors involved in sleep induced by clonidine in chickens. Dabiré H, et al. **Neuropharmacology** 1985 Aug;24(8):709–12

Modulation of catecholamine transmission and sleep in man. Nicholson AN, et al. **Neuropharmacology** 1986 Mar; 25(3):271–4

Sleep–promoting effects of intraperitoneally administered uridine in unrestrained rats. Honda K, et al. **Neurosci Lett** 1985 Nov 20;62(1):137–41

Vasoactive intestinal polypeptide promotes sleep without effects on brain temperature in rats at night. Obál F Jr, et al. **Neurosci Lett** 1986 Feb 28;64(2):236–40

Neonatal monosodium glutamate dosing alters the sleep–wake cycle of the mature rat. Olivo M, et al. **Neurosci Lett** 1986 Jun 18;67(2):186–90

Reduced sleep in cats after intraperitoneal injection of delta–sleep–inducing peptide (DSIP). Sommerfelt L. **Neurosci Lett** 1985 Jul 4;58(1):73–7

Intraseptal morphine potentiates pentobarbital narcosis and hypothermia in the rat. Fatherazi S, et al. **Pharmacol Biochem Behav** 1985 Oct;23(4):505–7

Thiopental, phenobarbital, and chlordiazepoxide induce the same differences in narcotic reaction as ethanol in long–sleep and short–sleep selectively–bred mice. McIntyre TD, et al. **Pharmacol Biochem Behav** 1986 Apr;24(4):895–8

Effect of alpha–adrenoceptor blockade on sleep and wakefulness in the rat. Mäkelä JP, et al. **Pharmacol Biochem Behav** 1986 Mar;24(3):613–6

Structure–activity relationship in the effects of delta–sleep–inducing peptide (DSIP) on rat sleep. Obál F Jr, et al. **Pharmacol Biochem Behav** 1986 Apr;24(4):889–94

Effects of intracerebroventricular injection of delta sleep–inducing peptide (DSIP) and an analogue on sleep and brain temperature in rats at night. Obál F Jr, et al. **Pharmacol Biochem Behav** 1985 Dec;23(6):953–7

Effect of calmodulin antagonists on calcium and ethanol–induced sleeping time in mice. Sutoo D, et al. **Pharmacol Biochem Behav** 1985 Oct;23(4):627–31

Lorazepam: effects on sleep and withdrawal phenomena. Kales A, et al. **Pharmacology** 1986;32(3):121–30

Mecamylamine, but not atropine, antagonizes nicotine–induced hyperglycemia and potentiation of hypnosis produced by pentobarbital in mice. Modak AT, et al. **Pharmacology** 1986;32(1):46–51

The effectiveness of oral midazolam as a hypnotic compared with lorazepam. Lorizio A, et al. **Pharmatherapeutica** 1986; 4(7):463–71

Effects of Suanzaorentang on behavior changes and central monoamines. Hsieh MT, et al. **Proc Natl Sci Counc Repub China [B]** 1986 Jan;10(1):43–8

Effect of valerian on human sleep. Balderer G, et al. **Psychopharmacology (Berlin)** 1985;87(4):406–9

Reinterpretation of the literature indicates differential sensitivities of long–sleep and short–sleep mice are not specific to alcohol. McIntyre TD, et al. **Psychopharmacology (Berlin)** 1985;87(4):379–89 (104 ref.)

A comparison of the dose response effects of pyrimidine ribonucleosides and adenosine on sleep in rats. Radulovacki M, et al. **Psychopharmacology (Berlin)** 1985;87(2):136–40

Effects of repeated zimelidine administration on sleep parameters in the rat. Reyes RB, et al. **Psychopharmacology (Berlin)** 1986;88(1):54–7

Effects of alprazolam and diazepam on the daytime sleepiness of non–anxious subjects. Seidel WF, et al. **Psychopharmacology (Berlin)** 1985;87(2):194–7

N,N'–diallylbarbital potentiation of drug–induced sleep and motor incoordination. Tateoka Y, et al. **Res Commun Chem Pathol Pharmacol** 1986 Apr;52(1):17–28

Central depressant activities of N3–allyluridine and N3–allylthymidine. Yamamoto I, et al. **Res Commun Chem Pathol Pharmacol** 1986 Jun; 52(3):321–32

The prolonging effect of N,N'–diallylpentobarbital on the drug–induced sleep and motor incoordination. Yamamoto I, et al. **Res Commun Chem Pathol Pharmacol** 1985 Nov; 50(2):209–19

Neurophysiological mechanisms in the genetics of ethanol sensitivity. Palmer MR. **Soc Biol** 1985 Fall–Winter; 32(3–4):241–54

Neurochemical mechanisms in the genetics of alcohol phenotypes. Smolen TN, et al. **Soc Biol** 1985 Fall–Winter; 32(3–4):255–71

Partial insomnia, hyperactivity and hyperdipsia induced by repeated administration of toluene in rats: their relation to brain monoamine metabolism. Arito H, et al. **Toxicology** 1985 Oct;37(1–2):99–110

Effects of methylmercury on hypnotic action of hexobarbital, liver hydroxylase and cytochrome P–450 in mice. Su MQ, et al. **Toxicology** 1986 Jun;39(3):233–45

[Interaction of neurostimulators and non–inhalation anesthetics] Mitsov V. **Eksp Med Morfol** 1986;25(2):27–31 (Eng. Abstr.) **(Bul)**

[Hypnogenic effects of des–acetyl–alpha–MSH and CLIP (ACTH 18–39) in the rat] Chastrette N, et al. **C R Acad Sci [III]** 1985;301(10):527–30 (Eng. Abstr.) **(Fre)**

[Sleep and nocturnal desaturation of patients with chronic obstructive bronchopneumopathies. Effects of almitrine bismesylate administered orally] Kurtz D, et al. **Rev Mal Respir** 1985;2 Suppl 1:S45–52 (Eng. Abstr.) **(Fre)**

[Ultrashort hypnoanalgesia with alfentanyl and etomidate in the dog—circulatory and respiratory studies] Erhardt W, et al. **Berl Munch Tierarztl Wochenschr** 1985 Dec 1; 98(12):413–7 (Eng. Abstr.) **(Ger)**

[Clinical experience with ultrashort alfentanyl and etomidate hypnoanalgesia in the dog] Oberwallner H, et al. **Berl Munch Tierarztl Wochenschr** 1985 Dec 1;98(12):417–20 (Eng. Abstr.) **(Ger)**

[Effects of tricyclic antidepressants on sleep polygraphy] Furuta J, et al. **Seishin Shinkeigaku Zasshi** 1985; 87(12):922–9 **(Jpn)**

[Active analog of the inactive "sleep peptide" Koval'zon VM, et al. **Biull Eksp Biol Med** 1986 Jun;101(6):707–9 (Eng. Abstr.) **(Rus)**

[Hypnogenic activity of the cyclic structural analog of the delta–sleep–inducing peptide] Koval'zon VM, et al. **Dokl Akad Nauk SSSR** 1986 Jan–Feb;286(1):230–2 **(Rus)**

[Duration of the narcotic action of nembutal under hyperbarism] Sledkov AIu, et al. **Farmakol Toksikol** 1986 May–Jun;49(3):32–5 (Eng. Abstr.) **(Rus)**

[Characteristics of dopamine and GABA system functions in the brain of animals with different durations of ethanol sleep] Kanunnikova NP, et al. **Vopr Med Khim** 1986 May–Jun;32(3):52–5 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The structure of night sleep and cardiac rhythm in patients suffering for many years from hypo– and akinesia. Rotenberg VS, et al. **Act Nerv Super (Praha)** 1985 Sep; 27(3):179–85

Study of sleep spindles in the rat: a new improvement. Gandolfo G, et al. **Acta Neurobiol Exp (Warsz)** 1985; 45(5–6):151–62

A technique to examine phasic thermoregulation during human sleep. Jennings JR, et al. **Acta Neurol Belg** 1985 Nov–Dec;85(5):292–302

Sleep–related hormone secretion in depressed patients. Jarrett DB, et al. **Acta Psychiatr Belg** 1985 Sep–Oct;85(5):603–14

Changes in sleep EEG architecture during the treatment of depressed patients with mianserin. Mendlewicz J, et al. **Acta Psychiatr Scand [Suppl]** 1985;320:26–9

Dose and route of administration alter the relative elimination of ethanol by long–sleep and short–sleep mice. Smolen A, et al. **Alcoholism (NY)** 1986 Mar–Apr;10(2):198–204

A critical load for nocturnal high–density road traffic noise. Griefahn B. **Am J Ind Med** 1986;9(3):261–9

Anatomy of Rett syndrome. Nomura Y, et al. **Am J Med Genet** 1986;24 Suppl 1:289–303

Nocturnal sleep of severely mentally retarded children and adolescents: ontogeny of sleep patterns. Shibagaki M, et al. **Am J Ment Defic** 1985 Sep;90(2):212–6

Skin potential responses of mentally retarded children during nocturnal sleep. Shibagaki M, et al. **Am J Ment Defic** 1985 Sep;90(2):206–11

Breathing during sleep in normal pregnant women. Brownell LG, et al. **Am Rev Respir Dis** 1986 Jan;133(1):38–41

Breathing route during sleep. Gleeson K, et al. **Am Rev Respir Dis** 1986 Jul;134(1):115–20

"Apnea index": need for improving the description of respiratory variability during sleep [letter] Hudgel DW. **Am Rev Respir Dis** 1986 Apr;133(4):708–9

Respiratory muscle activity and thoracoabdominal motion during acute episodes of asthma during sleep. Issa FG, et al. **Am Rev Respir Dis** 1985 Nov;132(5):999–1004

The effects of nasal anesthesia on breathing during sleep. White DP, et al. **Am Rev Respir Dis** 1985 Nov;132(5):972–5

Sleep research and its clinical implications. **Ann Clin Res** 1985;17(5):173–287

Shifted sleep hours. Akerstedt T. **Ann Clin Res** 1985; 17(5):273–9 (84 ref.)

Sleep and epilepsy. Dahl M, et al. **Ann Clin Res** 1985; 17(5):235–42 (66 ref.)

Sleep, sleeplessness, and sleep disruptions in infants and young children. Ferber R. **Ann Clin Res** 1985;17(5):227–34 (43 ref.)

Neurochemical regulation of the states of alertness. Gaillard JM. **Ann Clin Res** 1985;17(5):175–84 (59 ref.)

Automatic analysis of sleep recordings: a critical review. Hasan J. **Ann Clin Res** 1985;17(5):280–7 (49 ref.)

Mood alterations and sleep. Hetta J, et al. **Ann Clin Res** 1985; 17(5):252–6 (48 ref.)

Sleep function, with particular reference to sleep deprivation. Horne JA. **Ann Clin Res** 1985;17(5):199–208 (90 ref.)

Age–related sleep habits and retirement. Kronholm E, et al. **Ann Clin Res** 1985;17(5):257–64 (34 ref.)

Diabetic autonomic dysfunction, blood pressure, and sleep. Guilleminault C, et al. **Ann Neurol** 1985 Dec;18(6):670–5

Sleep EEG in growth disorders. Taylor BJ, et al. **Arch Dis Child** 1986 Aug;61(8):754–60

Polysomnographic findings in recently drug–free and clinically remitted depressed patients. Rush AJ, et al. **Arch Gen Psychiatry** 1986 Sep;43(9):878–84

Electroencephalographic sleep in psychotic depression. A valid subtype? Thase ME, et al. **Arch Gen Psychiatry** 1986 Sep;43(9):886–93

Periodic leg movements during sleep in the elderly. Bliwise D, et al. **Arch Gerontol Geriatr** 1985 Oct;4(3):273–81

Oxygen saturation with sleep in patients with sickle cell disease. Castele RJ, et al. **Arch Intern Med** 1986 Apr; 146(4):722–5

Sleep patterns in nonambulatory boys with Duchenne muscular dystrophy. Redding GJ, et al. **Arch Phys Med Rehabil** 1985 Dec;66(12):818–21

Nocturnal penile tumescence and serum testosterone levels. Fenwick PB, et al. **Arch Sex Behav** 1986 Feb;15(1):13–21

Responses to partial nasal obstruction in sleeping infants. Newman NM, et al. **Aust Paediatr J** 1986 May;22(2):111–6

Sleep–wake behavior of newborn rats recorded with movement sensitive method. Hilakivi LA, et al. **Behav Brain Res** 1986 Mar;19(3):241–8

Sleep–wakefulness rhythms in the rabbit. Pivik RT, et al. **Behav Neural Biol** 1986 May;45(3):275–86

Neurotransmitter precursors and brain function. Leathwood PD. **Bibl Nutr Dieta** 1986;(38):54–71

Nutrition and sleeping behavior. Schneider–Helmert D. **Bibl Nutr Dieta** 1986;(38):87–93

Polysomnograms and cardiopneumograms in SIDS research. Flores–Guevara R, et al. **Biol Neonate** 1986;49(5):270–6

Sleep disturbance produced by electrical stimulation of the locus coeruleus in a human subject. Kaitin KI, et al. **Biol Psychiatry** 1986 Jul;21(8–9):710–6

Achondroplasia and obstructive sleep apnea: correction of apnea and abnormal sleep–entrained growth hormone release by tracheostomy. Goldstein SJ, et al. **Birth Defects** 1985;21(2):93–101

Ontogenesis of unit activity in the raphe dorsalis of the behaving kitten: its relationship with the states of vigilance. Adrien J, et al. **Brain Res** 1986 Feb 26;366(1–2):10–21

Early postnatal development of EEG and sleep–waking cycle in two inbred mouse strains. Daszuta A, et al. **Brain Res** 1985 Sep;354(1):39–47

Sleep–related neuronal discharge in the basal forebrain of cats. Szymusiak R, et al. **Brain Res** 1986 Apr 2;370(1):82–92

Markov–dependency and spectral analyses on spike–counts in mesencephalic reticular neurons during sleep and attentive states. Yamamoto M, et al. **Brain Res** 1986 Feb 26;366(1–2):279–89

Tonic activity of medial preoptic norepinephrine mechanism for body temperature maintenance in sleeping and awake rats. Datta S, et al. **Brain Res Bull** 1985 Nov;15(5):447–51

Effects of hypnogenic vagal stimulation on thalamic neuronal activity in cats. Juhász G, et al. **Brain Res Bull** 1985 Nov; 15(5):437–41

Alpha adrenergic system in medial preoptic area involved in sleep–wakefulness in rats. Mohan Kumar V, et al. **Brain Res Bull** 1986 Apr;16(4):463–8

Signs of synchronized sleep elicited by local application of leptazol to a circumscribed area of the ventral surface of medulla oblongata in the cat. Guertzenstein PG, et al. **Braz J Med Biol Res** 1985;18(1):87–96

The sleep of remitted bipolar depressives: comparison with sex and age–matched controls. Knowles JB, et al. **Can J Psychiatry** 1986 May;31(4):295–8

Sleep problems in children [letter] Batty HP. **Can Med Assoc J** 1986 Jun 15;134(12):1330

Carotid sinus reflexes during postural changes, naturally elicited fighting behaviour, and phases of sleep in the cat. Del Bo A, et al. **Cardiovasc Res** 1985 Dec;19(12):762–9

Acute confusional migraine attacks resolved by sleep: lack of significant abnormalities in post–ictal polysomnograms. Parrino L, et al. **Cephalalgia** 1986 Jun;6(2):95–100

Breathing during sleep in stable asthmatic subjects. Influence of inhaled bronchodilators. Neagley SR, et al. **Chest** 1986 Sep;90(3):334–7

Effect of sleep position on sleep apnea and parafunctional activity. Phillips BA, et al. **Chest** 1986 Sep;90(3):424–9

Sleep arterial oxygen desaturation and chemical control of breathing during wakefulness in COPD. Tatsumi K, et al. **Chest** 1986 Jul;90(1):68–73

Human growth hormone release is decreased during sleep in temporal isolation (free–running). Moline ML, et al. **Chronobiologia** 1986 Jan–Mar;13(1):13–9

Correlation between integrated delta and spindle components during nocturnal sleep in mentally retarded children. Shibagaki M, et al. **Clin Electroencephalogr** 1986 Jan; 17(1):24–9

Nocturnal sleep in infants with congenital cerebral malformation. Shibagaki M, et al. **Clin Electroencephalogr** 1986 Apr;17(2):92–104

Delta and spindle components in compressed spectral array during nocturnal sleep in infants with congenital cerebral malformation. Shibagaki M, et al. **Clin Electroencephalogr** 1986 Jul;17(3):152–7

Effects of captopril on the sleep EEG of spontaneously hypertensive rats. Sim MK, et al. **Clin Exp Pharmacol Physiol** 1986 Mar;13(3):259–63

Ventilatory control during sleep in the elderly. Smith PL, et al. **Clin Geriatr Med** 1986 May;2(2):227–40 (56 ref.)

Brain mechanisms of synchronous sleep. Mancia M, et al. **Clin Neuropharmacol** 1985;8 Suppl 1:S41–8

Cardiac arrhythmias during sleep. Gillis AM. **Compr Ther**

1985 Nov;11(11):66–71
Sleep duration and the power spectral density of the EEG. Akerstedt T, et al. **Electroencephalogr Clin Neurophysiol** 1986 Aug;64(2):119–22
Changes in the interhemispheric correlation during sleep in normal subjects. Barcaro U, et al. **Electroencephalogr Clin Neurophysiol** 1986 Feb;63(2):112–8
Human auditory evoked potentials during natural sleep: the early components. Campbell KB, et al. **Electroencephalogr Clin Neurophysiol** 1986 Mar;65(2):142–9
Midlatency auditory evoked responses: differential effects of sleep in the cat. Chen BM, et al. **Electroencephalogr Clin Neurophysiol** 1986 Sep; 65(5):373–82
Differential effects of prior wakefulness and circadian phase on nap sleep. Dinges DF. **Electroencephalogr Clin Neurophysiol** 1986 Sep;64(3):224–7
Midlatency auditory evoked responses: differential effects of sleep in the human. Erwin R, et al. **Electroencephalogr Clin Neurophysiol** 1986 Sep; 65(5):383–92
Sleep spindles in normal elderly: comparison with young adult patterns and relation to nocturnal awakening, cognitive function and brain atrophy. Guazzelli M, et al. **Electroencephalogr Clin Neurophysiol** 1986 Jun; 63(6):526–39
Polygraphic study of anterior hypothalamic–preoptic neuron thermosensitivity during sleep. Parmeggiani PL, et al. **Electroencephalogr Clin Neurophysiol** 1986 Mar; 63(3):289–95
Sleep EEG in the rat as a function of prior waking. Tobler I, et al. **Electroencephalogr Clin Neurophysiol** 1986 Jul; 64(1):74–6
Late component variants of single auditory evoked responses during NREM sleep stage 2 in man. Újszászi J, et al. **Electroencephalogr Clin Neurophysiol** 1986 Sep;64(3):260–8
Enhanced slow sleep in extended sleep. Webb WB. **Electroencephalogr Clin Neurophysiol** 1986 Jul;64(1):27–30
Kainic acid–induced limbic seizures in cats: some reflections on sleep–epilepsy interactions. Cepeda C, et al. **Epilepsia** 1986 Jul–Aug;27(4):375–84
Diagnostic value of spontaneous afternoon sleep in epilepsy: polysomnographic study of 96 epileptic patients. Tartara A, et al. **Eur Neurol** 1986;25(1):26–31
Baroreceptor sensitivity during desynchronized sleep. Knuepfer MM, et al. **Exp Neurol** 1986 May;92(2):323–34
Respiratory roles of genioglossus, sternothyroid, and sternohyoid muscles during sleep. Megirian D, et al. **Exp Neurol** 1985 Oct;90(1):118–28
Unity of costal and crural diaphragmatic activity in respiration. Pollard MJ, et al. **Exp Neurol** 1985 Oct; 90(1):187–93
Respiratory functions of the inferior pharyngeal constrictor and sternohyoid muscles during sleep. Sherrey JH, et al. **Exp Neurol** 1986 Apr;92(1):267–77
Respiratory inhibition induced by transient hypertension during sleep in unrestrained cats. Trelease RB, et al. **Exp Neurol** 1985 Oct;90(1):173–86
Respiratory modulation of neuronal discharge in the central nucleus of the amygdala during sleep and waking states. Zhang JX, et al. **Exp Neurol** 1986 Jan;91(1):193–207
Influence of brown adipose tissue on deep cervical temperature during sleep in the young rabbit. Franzini C, et al. **Experientia** 1986 Jun 15;42(6):604–6
Proceedings for the 9th meeting of the Japanese Society of Sleep Research. May 11–12, 1984, Kanazawa. Abstracts. **Folia Psychiatr Neurol Jpn** 1985;39(2):193–223
Sleep pattern in children with intractable epilepsy and mental retardation. Horita H, et al. **Folia Psychiatr Neurol Jpn** 1983;37(4):443–54
A study of EEG activities during sleep–wakefulness states in rabbits by autocorrelation and power spectrum analyses. Miyara T. **Folia Psychiatr Neurol Jpn** 1985;39(4):571–80
Chronobiological comparison of sleep–wake rhythm between chronic schizophrenia and normal control. Ohta T, et al. **Folia Psychiatr Neurol Jpn** 1985;39(4):489–97
ACTH–provoked cortisol peaks during sleep and their effect on the endogenous secretory activity. Follenius M, et al. **Horm Metab Res** 1985 Nov;17(11):602–6
Breathing disorders during sleep. Cherniack NS. **Hosp Pract [Off]** 1986 Feb 15;21(2):81–9, 93–7, 101–4
Adaptive role of delta sleep. Vein AM, et al. **Hum Physiol** 1985 Mar–Apr;11(2):118–23
Aldosterone excretion rates in children and adults during sleep. Pratt JH, et al. **Hypertension** 1986 Feb;8(2):154–8
Relationship between sleep variables and urinary excretion of adrenaline in nocturnal sleep. Nishihara K, et al. **Ind Health** 1985;23(4):279–82
Sleep patterns in extrapyramidal disorders. Askenasy JJ. **Int J Neurol** 1981;15(1–2):62–76
Hormonal secretion during sleep in man. Modification of growth hormone and prolactin secretion by interruption and selective deprivation of sleep. Beck U. **Int J Neurol** 1981;15(1–2):17–29
Changes in sleep dreams by frontal and parietal lobes lesions. Cathala HP, et al. **Int J Neurol** 1981;15(1–2):88–96
Man's sleep. Soriano V. **Int J Neurol** 1981;15(1–2):7–16
Narcolepsy/cataplexy. III: Nocturnal sleep and wakefulness patterns. Bixler EO, et al. **Int J Neurosci** 1986 Jun; 29(3–4):305–16
Cortical visual evoked potentials during the sleep–wakefulness cycle in the freely moving cat. A dynamic study. Sigüenza JA, et al. **Int J Neurosci** 1985 Aug;27(3–4):257–63
Sleep—a necessity or an indulgence? [letter] Berry ET. **Isr J Med Sci** 1985 Aug;21(8):706–7
Changes in control of ventilation, awake and asleep, in the elderly. Pack AI, et al. **J Am Geriatr Soc** 1986 Jul; 34(7):533–44
Correlation between ventilation and brain blood flow during hypoxic sleep. Santiago TV, et al. **J Appl Physiol** 1986 Jan;60(1):295–8
Ventilatory and arousal patterns during sleep in normal young and elderly subjects. Shore ET, et al. **J Appl Physiol** 1985 Nov;59(5):1607–15
A review of electroencephalographic features of normal sleep. Erwin CW, et al. **J Clin Neurophysiol** 1984 Jul; 1(3):253–74 (58 ref.)
Effect of sleep on the electrographic manifestations of epilepsy. Gabor AJ, et al. **J Clin Neurophysiol** 1986 Jan; 3(1):23–38
Sleep and electroencephalography: points of interest and points of controversy. Guilleminault C, et al. **J Clin Neurophysiol** 1984 Jul;1(3):275–91 (115 ref.)
Sleep spindles revisited. Hughes JR. **J Clin Neurophysiol** 1985 Jan;2(1):37–44 (24 ref.)
Sleep spindles. Jankel WR, et al. **J Clin Neurophysiol** 1985 Jan;2(1):1–35 (185 ref.)
Fetal breathing movement, sleep state and cardiovascular responses to an inhibitor of mitochondrial ATPase in sheep. Koos BJ, et al. **J Dev Physiol** 1986 Feb;8(1):67–75
Influence of breathing pattern on functional residual capacity in sleeping newborn infants. Walti H, et al. **J Dev Physiol** 1986 Jun;8(3):167–72
Effect of age on the circadian pattern of sleep and wakefulness in the mouse. Welsh DK, et al. **J Gerontol** 1986 Sep;41(5):579–86
Ambulatory blood pressure monitoring does not interfere with the haemodynamic effects of sleep. Parati G, et al. **J Hypertension [Suppl]** 1985 Nov;3(2):S107–9
Electroencephalographic study of nighttime panic attacks. Lesser IM, et al. **J Nerv Ment Dis** 1985 Dec;173(12):744–6
Endogenous sleep–substances and sleep regulation. Borbély AA. **J Neural Transm [Suppl]** 1986;21:243–54
Behavior, sleep and melatonin. Lieberman HR. **J Neural Transm [Suppl]** 1986;21:233–41
Sleep–related respiratory and haemodynamic changes in Shy–Drager syndrome: a case report. Coccagna G, et al. **J Neurol** 1985;232(5):310–3
Melatonin secretion as a mediator of circadian variations in sleep and sleepiness. Wurtman RJ, et al. **J Pineal Res** 1985; 2(3):301–3
Biological rhythms and affective illness. Plumlee AA. **J Psychosoc Nurs Ment Health Serv** 1986 Mar;24(3):12–7
The relationship between nocturnal motility and the enuresis alarm device. Macaulay AJ, et al. **J Psychosom Res** 1986; 30(1):63–5
The influence of menstrual status, body weight and hypothalamic function on nocturnal respiration in women. Kopelman PG, et al. **J R Coll Physicians Lond** 1985 Oct; 19(4):243–7
The cardiopulmonary failure of sleep–disordered breathing. Hall JB. **JAMA** 1986 Feb 21;255(7):930–3
Sleep apnea disorders. Introduction to sleep and sleep disorders. Baker TL. **Med Clin North Am** 1985 Nov; 69(6):1123–52 (88 ref.)
Gas exchange and hemodynamics during sleep. Shepard JW Jr. **Med Clin North Am** 1985 Nov;69(6):1243–64 (69 ref.)
Models of exogenous and endogenous sleep perturbation as diagnostic and therapeutic predictors in depression. Ilankovic N, et al. **Methods Find Exp Clin Pharmacol** 1986 Aug;8(8):513–7
Biological rhythms. Sleep researchers caught napping [news] Mrosovsky N. **Nature** 1986 Feb 13–19;319(6054):536–7
Effect of 64 hours of sleep deprivation upon sleep in geriatric normals and insomniacs. Bonnet MH. **Neurobiol Aging** 1986 Mar–Apr;7(2):89–96
Simultaneous determination of blood levels of corticosterone and growth hormone in the male rat: relation to sleep–wakefulness cycle. Mitsugi N, et al. **Neuroendocrinology** 1985 Aug;41(2):125–30
EEG frequency patterns in the cat prepyriform cortex during sleep and waking. Willey TJ, et al. **Neurol Res** 1985 Dec; 7(4):182–9
Sleep patterns in the Lennox–Gastaut syndrome. Amir N, et al. **Neurology** 1986 Sep;36(9):1224–6
Sleep EEG in Korsakoff's psychosis and Alzheimer's disease. Martin PR, et al. **Neurology** 1986 Mar;36(3):411–4
Hemifacial spasm in sleep. Montagna P, et al. **Neurology** 1986 Feb;36(2):270–3
Evaluation of the effects of antiepileptic drugs on sleep–wakefulness patterns following 1 night total sleep deprivation in epileptic patients. Declerck AC, et al. **Neuropsychobiology** 1985;13(4):201–5
Exercise and subsequent sleep in male runners: failure to support the slow wave sleep–mood–exercise hypothesis. Kupfer DJ, et al. **Neuropsychobiology** 1985;14(1):5–12
The effect of cerebral cortex isolation on sleep–wakefulness cycles in cats. Bogoslovskii MM. **Neurosci Behav Physiol** 1985 Nov–Dec;15(6):488–94
Spatial–temporal organization of internal connections of the somatosensory cortex under conditions of awakening and soporific influences of the hypothalamus. Mogilevskii AYa, et al. **Neurosci Behav Physiol** 1985 Sep–Oct;15(5):387–94
Cot death and sleep posture [letter] Crowley J. **NZ Med J** 1986 Feb 12;99(795):71
Sleep/wake patterns of breast–fed infants in the first 2 years of life. Elias MF, et al. **Pediatrics** 1986 Mar;77(3):322–9
Habitual sleep duration and eating disorders in college students. Hicks RA, et al. **Percept Mot Skills** 1986 Feb; 62(1):209–10
Sleep duration and eating behaviors of college students. Hicks RA, et al. **Percept Mot Skills** 1986 Feb;62(1):25–6
Polygraphic and behavioral study of sleep in geese: existence of nuchal atonia during paradoxical sleep. Dewasmes G, et al. **Physiol Behav** 1985 Jul;35(1):67–73
ECoG sleep–waking rhythms and bodily activity in the cerveau isolé rat. Nakata K, et al. **Physiol Behav** 1986; 36(6):1167–72
Body temperature and sleep architecture in response to a mild cold stress in women. Sewitch DE, et al. **Physiol Behav** 1986;36(5):951–7
Breathing during sleep. Flenley DC. **Pneumonol Pol** 1986 Apr;54(4):121–4
The timing of sleep in depression: theoretical considerations. Beersma DG, et al. **Psychiatry Res** 1985 Nov;16(3):253–62
Simultaneous panic and depressive disorders: clinical and sleep EEG correlates. Grunhaus L, et al. **Psychiatry Res** 1986 Apr;17(4):251–9
ECT, sleep, and biogenic amines in affective illness [letter] Grunhaus L, et al. **Psychiatry Res** 1986 Jun;18(2):193, 195
Effects of ECT on sleep and CSF biogenic amines in affective illness. Hoffmann G, et al. **Psychiatry Res** 1985 Nov; 16(3):199–206
Sleep and circadian rhythms in affective patients isolated from external time cues. Wehr TA, et al. **Psychiatry Res** 1985 Aug;15(4):327–39
Behavioral control of respiration in sleep and sleepiness due to signal–induced sleep fragmentation. Badia P, et al. **Psychophysiology** 1985 Sep;22(5):517–24
Napping versus resting: effects on performance and mood. Daiss SR, et al. **Psychophysiology** 1986 Jan;23(1):82–8
Sleep and posttraumatic rheumatic pain modulation disorder (fibrositis syndrome). Saskin P, et al. **Psychosom Med** 1986 May–Jun;48(5):319–23
Breathing disorders during sleep. Stradling JR, et al. **Q J Med** 1986 Jan;58(225):3–18 (89 ref.)
Ventilatory and waking responses to laryngeal stimulation in sleeping mature lambs. Marchal F, et al. **Respir Physiol** 1986 Jan;63(1):31–41
Effects of non–REM sleep upon respiratory drive and the respiratory pump in humans. Rist KE, et al. **Respir Physiol** 1986 Feb;63(2):241–56
Sleep–dependent hyperprolactinaemia and Corpus luteum pathogenesis. Scaglia HE, et al. **Ric Clin Lab** 1985 Apr–Jun; 15(2):159–65
Bright light resets the human circadian pacemaker independent of the timing of the sleep–wake cycle. Czeisler CA, et al. **Science** 1986 Aug 8;233(4764):667–71
Comparative polysomnographic study of narcolepsy and idiopathic central nervous system hypersomnia. Baker TL, et al. **Sleep** 1986;9(1 Pt 2):232–42
Excessive daytime sleepiness and the pathophysiology of narcolepsy–cataplexy: a laboratory perspective. Broughton R, et al. **Sleep** 1986;9(1 Pt 2):205–15
Forty–eight–hour polysomnographic evaluation of narcolepsy. Browman CP, et al. **Sleep** 1986;9(1 Pt 2):183–8
Effects of body heating during sleep interruption. Bunnell DE, et al. **Sleep** 1985;8(3):274–82
Control of blood pressure during sleep in lambs. Fewell JE, et al. **Sleep** 1985;8(3):254–60
Sleep fragmentation in canine narcolepsy. Kaitin KI, et al. **Sleep** 1986;9(1 Pt 2):116–9
Nocturnal sleep of narcoleptic patients: revisited. Montplaisir J, et al. **Sleep** 1986;9(1 Pt 2):159–61
Alerting effects of naps in patients with narcolepsy. Roehrs T, et al. **Sleep** 1986;9(1 Pt 2):194–9
Polysomnographic telemetry using Telediagnostic and Oxford Medilog 9000 systems. Sewitch DE, et al. **Sleep** 1985;8(3):288–93
Progesterone levels and sleep–related breathing during menstrual cycles of normal women. Stahl ML, et al. **Sleep** 1985;8(3):227–30
Sleep–wake abnormalities in narcolepsy. Zorick F, et al. **Sleep** 1986;9(1 Pt 2):189–93
[Relation of nocturnal desaturation of arterial blood and cardiac dysrhythmias in obstructive lung diseases] Dolenský J. **Vnitr Lek** 1985 Oct;31(10):960–4 (Eng. Abstr.) (Cze)
[Changes in the sleep EEG of women with premenstrual dysphoria. Possible relationship with a manic depressive state] Undén M, et al. **Ugeskr Laeger** 1986 Jul 7; 148(28):1746–7 (Eng. Abstr.) (Dan)
[Effects of the ventral position on blood gas in infants during sleep] Kahn A, et al. **Arch Fr Pediatr** 1985 Jun–Jul; 42(6):419–21 (Eng. Abstr.) (Fre)
[Somatotropin secretion during sleep in 60 cases of growth retardation in children] Rochiccioli P, et al. **Arch Fr Pediatr** 1985 Oct;42(8):665–70 (Eng. Abstr.) (Fre)
[Value of sleep polygraph examination in the etiological diagnosis of apparently inexplicable respiratory insufficiency] Weitzenblum E, et al. **Bull Eur Physiopathol Respir** 1985 Jul–Aug;21(4):389–91 (Eng. Abstr.) (Fre)
[Sleep recovery after deprivation: comparison between good

and poor sleepers of the same age] Benoit O, et al. **Rev Electroencephalogr Neurophysiol Clin** 1986 Mar; 16(1):67–72 (Eng. Abstr.) **(Fre)**

[Contingent negative variation and late components of evoked potentials during sleep in man] Gauthier P, et al. **Rev Electroencephalogr Neurophysiol Clin** 1986 Feb; 15(4):323–30 (Eng. Abstr.) **(Fre)**

[Gastro-esophageal reflux and nocturnal sleep in the adult: method and results obtained in healthy subjects] Tardif C, et al. **Rev Electroencephalogr Neurophysiol Clin** 1986 Mar; 16(1):49–54 (Eng. Abstr.) **(Fre)**

[Somatotropin secretion during sleep. Application to partial somatotropin deficiency in the child] Tiberge M, et al. **Rev Electroencephalogr Neurophysiol Clin** 1986 Mar; 16(1):9–19 (Eng. Abstr.) **(Fre)**

[Body movements during sleep in the infant: comparison between control infants and siblings of infants dying of sudden infant death syndrome] Vecchierini-Blineau MF, et al. **Rev Electroencephalogr Neurophysiol Clin** 1986 Mar; 16(1):21–7 (Eng. Abstr.) **(Fre)**

[Respiratory pathology during sleep in children] Gaultier C. **Rev Mal Respir** 1985;2(5):261–2 **(Fre)**

[Sleep and respiration. Influence of arousal status on respiration] Guilleminault C. **Rev Mal Respir** 1986; 3(3):123–7 **(Fre)**

[Epilepsy and sleep in children: relationship of the crises with the nyctohemeral cycle] Deonna T, et al. **Rev Med Suisse Romande** 1985 Nov;105(11):1009–16 **(Fre)**

[Stereo-electroencephalographic study of epileptic patients during sleep] Montplaisir J, et al. **Union Med Can** 1985 Dec;114(12):1019–20 (Eng. Abstr.) **(Fre)**

[Spontaneous secretion of growth hormone in deep nocturnal sleep. I. Measurement, calculation and normal values in childhood] Bierich JR, et al. **Monatsschr Kinderheilkd** 1985 Jun;133(6):342–6 **(Ger)**

[A technic for measurement of metabolic rate during sleep] Yamasaki K, et al. **Ann Physiol Anthropol** 1985 Jan; 4(1):61–4 (Eng. Abstr.) **(Jpn)**

[Sleep and its effect on pulmonary diseases] Takasaki Y, et al. **Kokyu To Junkan** 1985 Dec;33(12):1443–51 **(Jpn)**

[Sleep disorders—with special reference to the sleep apnea syndrome] Hishikawa Y. **Masui** 1986 Feb;35(2):198–207 (22 ref.) **(Jpn)**

[Sleep—1. The physiology of sleep] Matsumoto J, et al. **Nippon Rinsho** 1985 Jul;43(7):1379–83 (27 ref.) **(Jpn)**

[Sleep—2. Substances in the mechanism of sleep and wakefulness] Nagasaki H, et al. **Nippon Rinsho** 1985 Jul; 43(7):1384–9 (19 ref.) **(Jpn)**

[Nocturnal prolactin (PRL) levels and PRL release by metoclopramide in normoprolactinemic anovulation, and effects of bromocriptine in induction of ovulation] Suginami H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Apr;38(4):603–4 **(Jpn)**

[Serum prolactin levels during sleep and in metoclopramide stimulation in normoprolactinemic anovulation and ovulation induction with bromocriptine] Suginami H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 May; 38(5):728–34 (Eng. Abstr.) **(Jpn)**

[Automatic determination system of human sleep stages on an experimental basis] Matsuoka S, et al. **Sangyo Ika Daigaku Zasshi** 1986 Mar 20;8 Suppl:169–71 (Eng. Abstr.) **(Jpn)**

[Prostaglandins and sleep] Ueno R. **Seikagaku** 1985 Nov; 57(11):1521–6 **(Jpn)**

[Affective disorders and sleep polygraphy] Endo S. **Seishin Shinkeigaku Zasshi** 1985;87(12):908–22 **(Jpn)**

[A study on the psychophysiological significance under the absolute bedrest condition in "Morita therapy"] Kawaguchi K. **Seishin Shinkeigaku Zasshi** 1986;88(2):57–80 **(Jpn)**

[Sleep and respiration] Sjøerdahl S, et al. **Tidsskr Nor Laegeforen** 1985 Sep 30;105(27):1878–81 (Eng. Abstr.) **(Nor)**

[Breathing disturbances during sleep] Müller J, et al. **Pneumonol Pol** 1986 Apr;54(4):157–63 (50 ref.) **(Pol)**

[Relation between sleep and the levels of 3 hormones in the peripheral blood plasma in healthy persons. II. Sleep EEG and the changes in prolactin (hPRL) level] Ekiert H, et al. **Psychiatr Pol** 1986 Jan–Feb;20(1):15–21 (Eng. Abstr.) **(Pol)**

[Relation between sleep and the levels of 3 hormones in the peripheral blood plasma in healthy persons. I. Sleep EEG and the changes in the somatotropin (hGH) level] Ekiert H, et al. **Psychiatr Pol** 1986 Jan–Feb;20(1):8–14 (Eng. Abstr.) **(Pol)**

[Intensification of the somnogenic effect of heat pulsation by simultaneous exposure of 2 reflexogenic zones] Likhtenshtein VA, et al. **Fiziol Cheloveka** 1985 Jul–Aug; 11(4):689–91 **(Rus)**

[Electrical activity of the cerebellum during the sleep–wakefulness cycle] Bekaia GL, et al. **Fiziol Zh SSSR** 1985 Dec;71(12):1480–7 (Eng. Abstr.) **(Rus)**

[Relation between sleep and processes of retention and mental activity] Maloletnev VI, et al. **Fiziol Zh SSSR** 1986 Jun; 72(6):705–12 (Eng. Abstr.) **(Rus)**

[Sleep and disorders of cardiac activity] Varonetskas GA, et al. **Kardiologiia** 1986 Apr;26(4):113–20 (91 ref.) **(Rus)**

[Dynamics of the neuronal activity of the amygdaloid complex of the rat brain in the sleep–wakefulness cycle] Mgaloblishvili MM, et al. **Neirofiziologiia** 1985; 17(6):747–56 (Eng. Abstr.) **(Rus)**

[Effect of sleep on the ultradial rhythm of the motor activity of the digestive tract in peptic ulcer patients] Peleshchuk AP, et al. **Vrach Delo** 1985 Aug;(8):51–4 (Eng. Abstr.) **(Rus)**

[Factor analysis of the structure of nocturnal sleep and the results of psychodiagnostic examination in man] Nikiforuk KK, et al. **Zh Vyssh Nerv Deiat** 1986 Mar–Apr; 36(2):296–301 (Eng. Abstr.) **(Rus)**

[In search of biological markers of affective disorders] de la Fuente JR, et al. **Acta Psiquiatr Psicol Am Lat** 1985 Mar;31(1):17–24 (Eng. Abstr.) **(Spa)**

[Lactation: suckling and sleep, their relationship during reflex release of prolactin and oxytocin in rats] Voloschin LM, et al. **Arch Biol Med Exp (Santiago)** 1984 Dec; 17(3–4):215–22 (Eng. Abstr.) **(Spa)**

[Electroencephalographic study of nocturnal sleep in anorexia nervosa patient] Bordallo JR, et al. **Arch Neurobiol (Madr)** 1986 Jan–Feb;49(1):8–18 (Eng. Abstr.) **(Spa)**

[The phylogeny of sleep: mammals] Ayala-Guerrero F. **Bol Estud Med Biol** 1983 Jul–Oct;32(7–8 Suppl 1):67–82 (Eng. Abstr.) **(Spa)**

[The phylogeny of sleep: reptiles] Melesio-Nolasco S, et al. **Bol Estud Med Biol** 1983 Jul–Oct;32(7–8 Suppl 1):91–9 (Eng. Abstr.) **(Spa)**

[The phylogeny of sleep: fishes and amphibians] Melesio-Nolasco S, et al. **Bol Estud Med Biol** 1983 Jul–Oct; 32(7–8 Suppl 1):101–7 (Eng. Abstr.) **(Spa)**

[The phylogeny of sleep: birds] Vasconcelos-Dueñas I, et al. **Bol Estud Med Biol** 1983 Jul–Oct;32(7–8 Suppl 1):83–90 (Eng. Abstr.) **(Spa)**

SLEEP APNEA SYNDROMES

Broken sleep. Weaver T, et al. **Am J Nurs** 1986 Feb; 86(2):146–50

Snoring and sleep apnea [letter] Colman MF. **Chest** 1986 Mar; 89(3):470

Proceedings for the 9th meeting of the Japanese Society of Sleep Research. May 11–12, 1984, Kanazawa. Abstracts. **Folia Psychiatr Neurol Jpn** 1985;39(2):193–223

Respiratory problems of sleep [editorial] Nunn JF. **J R Soc Med** 1985 Dec;78(12):983–4

Symposium on sleep apnea disorders. **Med Clin North Am** 1985 Nov;69(6):1121–412

Obstructive sleep apnea. The clinical syndrome and historical perspective. Guilleminault C. **Med Clin North Am** 1985 Nov;69(6):1187–203 (40 ref.)

Sleep apnea in infancy and childhood. Thach BT. **Med Clin North Am** 1985 Nov;69(6):1289–315 (148 ref.)

Central sleep apnea. White DP. **Med Clin North Am** 1985 Nov;69(6):1205–19 (58 ref.)

Obesity and hormonal factors in sleep and sleep apnea. Wittels EH. **Med Clin North Am** 1985 Nov;69(6):1265–80 (95 ref.)

Primary central alveolar hypoventilation in a child: early diagnosis during acute illness; trials with respiratory stimuli; studies related to endorphins. Moss IR, et al. **Pediatr Pulmonol** 1986 Mar–Apr;2(2):114–8

[Workshop—Time progression analysis and sleep apnea. Marburg, 15–16 March 1985. Abstracts] **Prax Klin Pneumol** 1985 Sep;39(9):324–32 **(Ger)**

[Central alveolar hypoventilation syndrome] Kuriyama T, et al. **Kokyu To Junkan** 1986 Apr;34(4):393–400 **(Jpn)**

[Sleep apnea syndrome] Alvarez-Sala R, et al. **Med Clin (Barc)** 1986 Feb 1;86(4):161–8 (80 ref.) **(Spa)**

CHEMICALLY INDUCED

Reversible obstructive sleep apnea caused by occupational exposure to guar gum dust. Leznoff A, et al. **Am Rev Respir Dis** 1986 May;133(5):935–6

Moderate alcohol ingestion increases upper airway resistance in normal subjects. Robinson RW, et al. **Am Rev Respir Dis** 1985 Dec;132(6):1238–41

Phenothiazine-induced sleep apneas and the opioid system [letter] Sandyk R. **Pediatrics** 1986 Feb;77(2):261–2

COMPLICATIONS

Infant apnea syndromes. Part III. Harrison H Jr, et al. **Alaska Med** 1986 Apr–Jun;28(2):25–32

Incidence and mechanism of bradycardia during apnoea in preterm infants. Henderson-Smart DJ, et al. **Arch Dis Child** 1986 Mar;61(3):227–32

Sleep apnea syndrome associated with alcoholism. Watanabe N. **Arukoru Kenkyuto Yakubutsu Ison** 1985 Sep;20(3):272–9

A case report of obstructive sleep apnea in a patient with bipolar affective disorder. Fleming JA, et al. **Can J Psychiatry** 1985 Oct;30(6):437–9

Sleep apnea, hypoxemia, and cardiac arrhythmias [editorial] Orr WC. **Chest** 1986 Jan;89(1):1–2

Hypercapnia in the obstructive sleep apnea syndrome. A reevaluation of the "Pickwickian syndrome" Rapoport DM, et al. **Chest** 1986 May;89(5):627–35

Self-reported excessive daytime somnolence and impaired respiration in sleep. Sink J, et al. **Chest** 1986 Aug; 90(2):177–80

Cardiac arrhythmias during sleep in morbidly obese sleep-apneic patients before and after gastric bypass surgery. Peiser J, et al. **Clin Cardiol** 1985 Oct;8(10):519–21

Sleep-related respiratory and haemodynamic changes in Shy-Drager syndrome: a case report. Coccagna G, et al. **J Neurol** 1985;232(5):310–3

Why do patients with essential hypertension experience sleep apnea syndrome? Przybylski J, et al. **Med Hypotheses** 1986 Jun;20(2):173–7

Apnea monitoring—it doesn't discriminate [letter] Dransfield D. **Pediatrics** 1986 Jan;77(1):133–4

Hypertension and stroke in a young man with obstructive sleep apnea syndrome. Tikare SK, et al. **Postgrad Med** 1985 Nov 15;78(7):59–60, 64–6

Sleep apnea and snoring as risk factors for mortality. Block AJ. **Proc Annu Meet Med Sect Am Counc Life Insur** 1985; :95–7

Sleep apnea in narcolepsy. Chokroverty S. **Sleep** 1986;9(1 Pt 2):250–3

[Value of sleep polygraph examination in the etiological diagnosis of apparently inexplicable respiratory insufficiency] Weitzenblum E, et al. **Bull Eur Physiopathol Respir** 1985 Jul–Aug;21(4):389–91 (Eng. Abstr.) **(Fre)**

[Sleep apnea syndrome. A treatable cause of mental deterioration (letter)] Legall D, et al. **Presse Med** 1986 Feb 15;15(6):260–1 **(Fre)**

[A case of variant angina with sleep apnea syndrome] Shiomi T, et al. **Kokyu To Junkan** 1986 Mar;34(3):333–8 (Eng. Abstr.) **(Jpn)**

[A sudden-death in a case of Arnold-Chiari malformation (type I) with sleep apnea] Iwabuchi K, et al. **No To Shinkei** 1985 Jun;37(6):575–81 (Eng. Abstr.) **(Jpn)**

[Excessive daytime sleepiness, central type sleep apnea and myotonic dystrophy] Reimão R, et al. **Arq Neuropsiquiatr** 1985 Dec;43(4):391–5 (Eng. Abstr.) **(Por)**

[Concomitant narcolepsy and sleep apnea: report of a case] Reimão R, et al. **Arq Neuropsiquiatr** 1986 Mar;44(1):73–7 (Eng. Abstr.) **(Por)**

CONGENITAL

[Respiratory function during wakefulness and sleep in a 7-year-old child with congenital alveolar hypoventilation of central origin] Praud JP, et al. **Arch Fr Pediatr** 1985 Dec;42(10):857–8 (Eng. Abstr.) **(Fre)**

[Regulation of respiration during sleep in congenital central sleep apnea] Olbrich HM, et al. **EEG EMG** 1986 Jun; 17(2):66–8 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Airway obstruction and sleep apnea in Hurler and Hunter syndromes. Shapiro J, et al. **Ann Otol Rhinol Laryngol** 1985 Sep–Oct;94(5 Pt 1):458–61

Sleep apnea syndrome and nocturnal bradyarrhythmias [letter] Brown LK, et al. **Arch Intern Med** 1986 Mar; 146(3):608

Ear oximetry to detect apnea and differentiate rapid eye movement (REM) and non-REM (NREM) sleep. Screening for the sleep apnea syndrome. Farney RJ, et al. **Chest** 1986 Apr;89(4):533–9

Obstructive sleep apnea. Sullivan CE, et al. **Clin Chest Med** 1985 Dec;6(4):633–50

Computerized acoustic detection of obstructive apnea. East KA, et al. **Comput Methods Programs Biomed** 1985 Dec; 21(3):213–20

Failure of a respiratory monitor to detect obstructive apnea [letter] Shelly MP, et al. **Crit Care Med** 1986 Sep; 14(9):836–7

The home apnea monitoring program for newborns: the first 300 patients. Light MJ, et al. **Hawaii Med J** 1985 Nov; 44(11):419–20, 423–4

Endoscopic observations of obstructive sleep apnea in children with anomalous upper airways: predictive and therapeutic value. Sher AE, et al. **Int J Pediatr Otorhinolaryngol** 1986 Apr;11(2):135–46

Sleep apnea and pulmonary hypertension. Podszus T, et al. **Klin Wochenschr** 1986 Feb 3;64(3):131–4

Testing for apnea in suspected brain death: methods used by 129 clinicians. Earnest MP, et al. **Neurology** 1986 Apr; 36(4):542–4

Obstructive sleep apnoea in Auckland: diagnosis and treatment. Frith RW, et al. **NZ Med J** 1985 Sep 11; 98(786):745–8

Somnofluoroscopy: its role in the selection of candidates for uvulopalatopharyngoplasty. Katsantonis GP, et al. **Otolaryngol Head Neck Surg** 1986 Jan;94(1):56–60

Apnea and periodic breathing in normal full-term infants during the first twelve months. Kelly DH, et al. **Pediatr Pulmonol** 1985 Jul–Aug;1(4):215–9

Sudden infant death syndrome in infants evaluated by apnea programs in California. Ward SL, et al. **Pediatrics** 1986 Apr;77(4):451–8

Sleep apnea: a review. Kwentus J, et al. **Psychosomatics** 1985 Sep;26(9):713–6, 718–9, 722–4

Somnofluoroscopy: cineradiographic observation of obstructive sleep apnea. Walsh JK, et al. **Sleep** 1985; 8(3):294–7

[Does every 3d patient with essential hypertension have an undiagnosed sleep apnea syndrome?] Peter JH. **Dtsch Med Wochenschr** 1986 Apr 4;111(14):556–9 (35 ref.) **(Ger)**

[Sleep apnea in infants and the risk of SIDS] Kurz R, et al. **Monatsschr Kinderheilkd** 1986 Jan;134(1):17–20 (Eng. Abstr.) **(Ger)**

[Polysomnography] Suetsugu S. **Kokyu To Junkan** 1985 Aug; 33(8):999–1004 **(Jpn)**

[Clinical features of sleep apnea DIMS syndrome] Sakamoto T, et al. **Seishin Shinkeigaku Zasshi** 1986;88(1):14–33 **(Jpn)**

[Obstructive apnea during sleep: clinical and polygraphic evaluation of 150 cases] Reimão R, et al. **Arq Neuropsiquiatr** 1985 Jun;43(2):140–6 (Eng. Abstr.) **(Por)**

[Hypothyroidism and sleep apnea syndrome (letter)] Simó R, et al. **Med Clin (Barc)** 1986 Jun 21;87(4):170–1 **(Spa)**

DRUG THERAPY

Effect of doxapram on obstructive sleep apnea. Suratt PM, et al. **Bull Eur Physiopathol Respir** 1986 Mar–Apr; 22(2):127–31

Preliminary clinical experience with imipramine HCl in the treatment of sleep apnea syndrome. Rubin AH, et al. **Eur Neurol** 1986;25(2):81–5

Naloxone improves sleep apnea in obese humans. Atkinson RL, et al. **Int J Obes** 1985;9(4):233–9

Rapid improvement in sleep apnoea of acromegaly after short-term treatment with somatostatin analogue SMS 201–995 [letter] Chanson P, et al. **Lancet** 1986 May 31; 1(8492):1270–1

[Serum levels of total and free tryptophan in the premature newborn infant treated with aminophylline] Zanardo V, et al. **Pediatr Med Chir** 1985 Mar–Apr;7(2):235–7 (Eng. Abstr.) **(Ita)**

[Theophylline in apneas and periodic respirations in newborn infants: polygraphic evaluation] Reimão R, et al. **Rev Paul Med** 1986 Jan–Feb;104(1):15–7 (Eng. Abstr.) **(Por)**

ETIOLOGY

Abnormal sleeping ventilatory pattern in infants of substance-abusing mothers. Ward SL, et al. **Am J Dis Child** 1986 Oct;140(10):1015–20

Sleeping position and sleep apnea syndrome. Kavey NB, et al. **Am J Otolaryngol** 1985 Sep–Oct;6(5):373–7

Upper airway occlusion during sleep in patients with Cheyne–Stokes respiration. Alex CG, et al. **Am Rev Respir Dis** 1986 Jan;133(1):42–5

Sleep apnea and the Arnold–Chiari malformation. Balk RA, et al. **Am Rev Respir Dis** 1985 Oct;132(4):929–30

A sleep-induced apneic threshold and its consequences. Dempsey JA, et al. **Am Rev Respir Dis** 1986 Jun; 133(6):1163–70

Achondroplasia and obstructive sleep apnea: correction of apnea and abnormal sleep-entrained growth hormone release by tracheostomy. Goldstein SJ, et al. **Birth Defects** 1985;21(2):93–101

Sleep apnea in normal subjects following mandibular osteotomy with retrusion. Guilleminault C, et al. **Chest** 1985 Nov;88(5):776–8

Why does weight loss improve the respiratory insufficiency of obesity? [editorial] Harman EM, et al. **Chest** 1986 Aug; 90(2):153–4

Effect of sleep position on sleep apnea and parafunctional activity. Phillips BA, et al. **Chest** 1986 Sep;90(3):424–9

Effect of intranasal obstruction on breathing during sleep. Suratt PM, et al. **Chest** 1986 Sep;90(3):324–9

Obstructive sleep apnea following treatment of velopharyngeal incompetence by Teflon injection. Furlow LT Jr, et al. **Cleft Palate J** 1986 Apr;23(2):153–8

Sleep apnoea in alcoholic patients after withdrawal. Tan ET, et al. **Clin Sci** 1985 Dec;69(6):655–61

Obstructive sleep apnoea probably related to a foreign body. Leiberman A, et al. **Eur J Pediatr** 1985 Jul;144(2):205–6

Alveolar hypoventilation and daytime hypersomnia in acromegaly. Seggev J, et al. **Eur J Respir Dis** 1986 May; 68(5):381–3

Obstructive sleep apnoea in association with retrosternal goitre and acromegaly. Stafford N, et al. **J Laryngol Otol** 1986 Jul;100(7):861–3

Snoring and obstructive sleep apnea. Grist WJ, et al. **J Med Assoc Ga** 1986 Apr;75(4):217–20

Obstructive sleep apnoea. Baker RH. **J R Coll Gen Pract** 1985 Sep;35(278):429

Disordered breathing during sleep: discussion paper. Flenley DC. **J R Soc Med** 1985 Dec;78(12):1031–3

Sleep apnoea syndrome [letter] **Lancet** 1985 Dec 7; 2(8467):1304

Controversies in sleep–related breathing disorders. Stradling JR. **Lung** 1986;164(1):17–31 (74 ref.)

Neural and anatomic factors related to upper airway occlusion during sleep. Kuna ST, et al. **Med Clin North Am** 1985 Nov;69(6):1221–42 (100 ref.)

A child with obstructive sleep apnea. Berman TM, et al. **Minn Med** 1985 Oct;68(10):773–4

Nemaline myopathy as a cause of sleep hypoventilation. Maayan C, et al. **Pediatrics** 1986 Mar;77(3):390–5

Airway obstruction and sleep apnea in children with craniofacial anomalies. Lauritzen C, et al. **Plast Reconstr Surg** 1986 Jan;77(1):1–6

Severe adult hypersomnia—sleep apnea syndrome in craniofacial dysostosis. Hess CW, et al. **Respiration** 1986; 50(2):147–52

Respiratory failure after percutaneous cordotomy. Polatty RC, et al. **South Med J** 1986 Jul;79(7):897–9

[One stage surgical correction of true ankylosis of the TMJ complicated by severe respiratory disturbances] Qiu WL. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 May;20(3):154–6, 191 (Eng. Abstr.) **(Chi)**

[Sleep apnea syndromes] Umeda H. **Nippon Naika Gakkai Zasshi** 1985 Sep;74(9):1214–7 **(Jpn)**

[Sleep-induced respiration disorders] Sjørdahl S, et al. **Tidsskr Nor Laegeforen** 1985 Sep 30;105(27):1882–5 (Eng. Abstr.) **(Nor)**

[Etiological review of 241 cases of the hypersomnia–periodic respiration syndrome] Pedro-Botet Pons J, et al. **Med Clin (Barc)** 1986 Feb 1;86(4):135–9 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Familial lethal sleep apnea. Adickes ED, et al. **Hum Genet** 1986 May;73(1):39–43

HISTORY

Fat, sleep, and Charles Dickens: literary and medical contributions to the understanding of sleep apnea. Kryger MH. **Clin Chest Med** 1985 Dec;6(4):555–62

OCCURRENCE

Prevalence of sleep apnea in healthy industrial workers. Peter JH, et al. **Klin Wochenschr** 1985 Sep 2;63(17):807–11

Sleep apnoea in the British Isles [letter] McNicholas WT. **Lancet** 1986 Aug 2;2(8501):295

Incidence of sleep apnea syndromes in general patients at a hospital for internal medicine. Katsumata K, et al. **Nagoya J Med Sci** 1986 Mar;48(1–4):47–53

PATHOLOGY

Small upper airway in near–miss sudden infant death syndrome infants and their families. Guilleminault C, et al. **Lancet** 1986 Feb 22;1(8478):402–7

PHYSIOPATHOLOGY

Hematocrit variation during sleep apnea in elephant seal pups. Castellini MA, et al. **Am J Physiol** 1986 Aug;251(2 Pt 2):R429–31

"Apnea index": need for improving the description of respiratory variability during sleep [letter] Hudgel DW. **Am Rev Respir Dis** 1986 Apr;133(4):708–9

The effect of sleep deprivation on activity of the genioglossus muscle. Leiter JC, et al. **Am Rev Respir Dis** 1985 Dec; 132(6):1242–5

The effects of posture on obstructive sleep apnea. McEvoy RD, et al. **Am Rev Respir Dis** 1986 Apr;133(4):662–6

Diaphragmatic responses to body position changes in obese patients with obstructive sleep apnea. Sharp JT, et al. **Am Rev Respir Dis** 1986 Jan;133(1):32–7

Collapsibility of the nasopharyngeal airway in obstructive sleep apnea. Suratt PM, et al. **Am Rev Respir Dis** 1985 Nov;132(5):967–71

The obstructive sleep apnoea syndrome: case studies. Lim TK, et al. **Ann Acad Med Singapore** 1985 Jul;14(3):435–8

Brain–stem auditory response in Ondine's syndrome. Beckerman R, et al. **Arch Neurol** 1986 Jul;43(7):698–701

Responses to partial nasal obstruction in sleeping infants. Newman NM, et al. **Aust Paediatr J** 1986 May;22(2):111–6

Sleep apnoea syndromes in adults. Krieger J. **Bull Eur Physiopathol Respir** 1986 Mar–Apr;22(2):147–89 (458 ref.) **(Eng, Fre)**

Flow oscillations on the flow–volume loop: a nonspecific indicator of upper airway dysfunction. Vincken W, et al. **Bull Eur Physiopathol Respir** 1985 Nov–Dec;21(6):559–67

The sleep apnoea syndrome and epidural morphine. Lamarche Y, et al. **Can Anaesth Soc J** 1986 Mar;33(2):231–3

Acute oxygen in patients with sleep apnea and COPD. Alford NJ, et al. **Chest** 1986 Jan;89(1):30–8

Obstructive sleep apnea and cardiac index. Guilleminault C, et al. **Chest** 1986 Mar;89(3):331–4

A possible mechanism for mixed apnea in obstructive sleep apnea. Iber C, et al. **Chest** 1986 Jun;89(6):800–5

Pathophysiology and treatment of central sleep apnea [editorial] Olson LG, et al. **Chest** 1986 Aug;90(2):154–5

Apnea during sleep in the pediatric patient. Ariagno RL, et al. **Clin Chest Med** 1985 Dec;6(4):679–90

Control of ventilation during sleep. Douglas NJ. **Clin Chest Med** 1985 Dec;6(4):563–75

Sleep in chronic obstructive lung disease. Flenley DC. **Clin Chest Med** 1985 Dec;6(4):651–61

Ventilatory response to CO2 in infants with alleged sleep apnoea. Folgering H, et al. **Eur J Pediatr** 1986 Apr; 144(6):539–44

Breathing disorders during sleep. Cherniack NS. **Hosp Pract [Off]** 1986 Feb 15;21(2):81–9, 93–7, 101–4

Physiological determinants of nocturnal arterial oxygenation in patients with obstructive sleep apnea. Bradley TD, et al. **J Appl Physiol** 1985 Nov;59(5):1364–8

Sleep apnoea in infancy. Abreu e Silva FA, et al. **J R Soc Med** 1985 Dec;78(12):1005–8

Problems in the interpretation of nocturnal penile tumescence studies: disruption of sleep by occult sleep disorders. Pressman MR, et al. **J Urol** 1986 Sep;136(3):595–8

The cardiopulmonary failure of sleep–disordered breathing. Hall JB. **JAMA** 1986 Feb 21;255(7):930–3

Snoring and sleepiness [editorial] **Lancet** 1985 Oct 26; 2(8461):925–6

Postoperative evaluation of sleep apnea after uvulopalatopharyngoplasty. Wetmore SJ, et al. **Laryngoscope** 1986 Jul;96(7):738–41

Pathogenesis and pathophysiology of the obstructive sleep apnea syndrome. Bradley TD, et al. **Med Clin North Am** 1985 Nov;69(6):1169–85 (123 ref.)

Snoring in children: is it pathological? Butt W, et al. **Med J Aust** 1985 Oct 14;143(8):335–6

Breathing disorders during sleep. Stradling JR, et al. **Q J Med** 1986 Jan;58(225):3–18 (89 ref.)

[Studies of brain stem function in infants with apnea syndrome using acoustically evoked brain stem potentials and heart rate variability] Litscher G, et al. **EEG EMG** 1986 Jun;17(2):62–5 (Eng. Abstr.) **(Ger)**

[Sleep disorders—with special reference to the sleep apnea syndrome] Hishikawa Y. **Masui** 1986 Feb;35(2):198–207 (22 ref.) **(Jpn)**

[Breathing disturbances during sleep] Müller J, et al. **Pneumonol Pol** 1986 Apr;54(4):157–63 (50 ref.) **(Pol)**

[Polysomnographic follow-up of sleep apneas after uvulopalatopharyngoplasty] Reimão R, et al. **Arq Neuropsiquiatr** 1985 Dec;43(4):360–4 (Eng. Abstr.) **(Por)**

[Respiratory problems during sleep (editorial)] Pérez Padilla JR, et al. **Arch Inst Cardiol Mex** 1986 Jan–Feb;56(1):1–3 **(Spa)**

[Respiratory changes during sleep. A protocol study] Barrot Cortés E, et al. **Med Clin (Barc)** 1986 Jun 28;87(5):187–92 (Eng. Abstr.) **(Spa)**

[Sleep apnea syndromes] Sagalés MT. **Med Clin (Barc)** 1986 Feb 1;86(4):150–1 **(Spa)**

PREVENTION & CONTROL

Accidents with apnea monitors. **FDA Drug Bull** 1985 Aug; 15(2):18

[Home monitoring of apnea in children at increased risk for sudden infant death (SIDS)] Bentele KH, et al. **Monatsschr Kinderheilkd** 1986 Jan;134(1):5–9 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Nocturnal hypoxia and neuropsychological variables. Berry DT, et al. **J Clin Exp Neuropsychol** 1986 Jun;8(3):229–38

RADIOGRAPHY

Cine CT demonstration of nonfixed upper airway obstruction. Ell SR, et al. **AJR** 1986 Apr;146(4):669–77

SURGERY

Uvulopalatopharyngoplasty, (UPPP), an effective surgical treatment for cases of snoring and some cases of sleep apnea. Beal DD. **Alaska Med** 1985 Oct–Dec;27(4):90–1

Nasal surgery in the management of sleep apnea. Dayal VS, et al. **Ann Otol Rhinol Laryngol** 1985 Nov–Dec;94(6 Pt 1):550–4

Uvulopalatopharyngoplasty. Alternative surgery for obstructive sleep apnea. Galczak S. **AORN J** 1986 Jul; 44(1):33–41

Current thinking in the sleep apnea syndrome. Brocato GD, et al. **J La State Med Soc** 1986 Jul;138(7):11–3

Uvulopalatopharyngoplasty for sleep apnea. Osguthorpe JD, et al. **J SC Med Assoc** 1985 Dec;81(12):652–3

Popular, yes, but jury still out on apnea surgery [news] Raymond CA. **JAMA** 1986 Jul 25;256(4):439–41

Tracheostomy for sleep apnoea [letter] George CF, et al. **Lancet** 1986 Feb 8;1(8476):332

Severity of sleep apnea as a predictor of successful treatment by palatopharyngoplasty. Caldarelli DD, et al. **Laryngoscope** 1986 Sep;96(9 Pt 1):945–7

Use of a nasal pharyngeal airway after palatopharyngoplasty in patients with obstructive sleep apnea. Colman MF. **Laryngoscope** 1986 Feb;96(2):212–3

Accurate measurement of soft palate resection during uvulopharyngopalatoplasty. Lusk RP. **Laryngoscope** 1986 Jun;96(6):697–8

Myocutaneous fenestration in sleep apnea patients. O'Leary MJ, et al. **Laryngoscope** 1986 Apr;96(4):356–9

Surgical treatment of obstructive sleep apnea. Thawley SE. **Med Clin North Am** 1985 Nov;69(6):1337–58 (34 ref.)

Inferior sagittal osteotomy of the mandible with hyoid myotomy–suspension: a new procedure for obstructive sleep apnea. Riley RW, et al. **Otolaryngol Head Neck Surg** 1986 Jun;94(5):589–93

Maxillary, mandibular, and hyoid advancement: an alternative to tracheostomy in obstructive sleep apnea syndrome. Riley RW, et al. **Otolaryngol Head Neck Surg** 1986 Jun;94(5):584–8

Uvulopalatoplasty and obstructive sleep apnea. Harmon JD, et al. **South Med J** 1986 Feb;79(2):197–200

Obstructive sleep apnea treated with uvulopalatopharyngoplasty: a systematic follow-up study. Reimao R, et al. **South Med J** 1986 Sep;79(9):1064–6

[Surgical treatment of snoring and obstructive sleep apnea] Marshak G, et al. **Harefuah** 1986 Feb 2;110(3):123–6 (Eng. Abstr.) **(Heb)**

[Sleep apnea syndrome—treatment by pharyngoplasty] Haneishi Y, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1985 Aug;88(8):1018–26 (Eng. Abstr.) **(Jpn)**

THERAPY

Nasal CPAP therapy, upper airway muscle activation, and obstructive sleep apnea. Strohl KP, et al. **Am Rev Respir Dis** 1986 Sep;134(3):555–8

Weight loss in mildly to moderately obese patients with obstructive sleep apnea. Smith PL, et al. **Ann Intern Med** 1985 Dec;103(6 (Pt 1)):850–5

Pacing the diaphragm in infants [editorial] Glenn WW. **Ann Thorac Surg** 1985 Oct;40(4):319–20

Diaphragmatic pacing in infants: techniques and results. Ilbawi MN, et al. **Ann Thorac Surg** 1985 Oct;40(4):323–9

Reversal of central sleep apnea using nasal CPAP. Issa FG, et al. **Chest** 1986 Aug;90(2):165–71

Overnight nasal CPAP improves hypersomnolence in sleep apnea. Rajagopal KR, et al. **Chest** 1986 Aug;90(2):172–6

Patient compliance with nasal CPAP therapy for sleep apnea. Sanders MH, et al. **Chest** 1986 Sep;90(3):330–3

Use of ketamine to wean a patient with sleep apnea. Brown DL. **Crit Care Med** 1986 Feb;14(2):167–8

The immediate effects of nasal continuous positive airway pressure treatment on sleep pattern in patients with obstructive sleep apnea syndrome. Issa FG, et al. **Electroencephalogr Clin Neurophysiol** 1986 Jan;63(1):10–7

Obstructive sleep apnea reversed by increased lung volume? Brown I, et al. **Eur J Respir Dis** 1986 May;68(5):375–80

Obstructive sleep apnea: diagnosis and treatment. Cook WR, et al. **J SC Med Assoc** 1985 Dec;81(12):647–51

The treatment of sleep apnea [letter] Miller SD. **JAMA** 1986 Jul 18;256(3):348–9

Relief of sleep-related oropharyngeal airway obstruction by continuous insufflation of the pharynx. Klein M, et al. **Lancet** 1986 Apr 26;1(8487):935–9

Treatment of obstructive sleep apnea with continuous nasal airflow. Wilhoit SC, et al. **Lung** 1985;163(4):233–41

Medical therapy of obstructive sleep apnea. Lombard RM Jr, et al. **Med Clin North Am** 1985 Nov;69(6):1317–35 (98 ref.)

Relief of upper airway obstruction by adenotonsillectomy. Potsic WP, et al. **Otolaryngol Head Neck Surg** 1986 Apr; 94(4):476–80

Identification of a high-risk group for sudden infant death syndrome among infants who were resuscitated for sleep apnea. Oren J, et al. **Pediatrics** 1986 Apr;77(4):495–9

Therapeutic effect of posture in sleep apnea. Chaudhary BA, et al. **South Med J** 1986 Sep;79(9):1061–3

Endoscopic observations of the pharyngeal airway during treatment of obstructive sleep apnea with nasal continuous positive airway pressure—a pneumatic splint. Popper RA, et al. **West J Med** 1986 Jan;144(1):83–5

[Obstructive sleep apnea syndrome and snoring; uvulopalatopharyngoplasty as surgical therapy] Wouters HJ, et al. **Ned Tijdschr Geneeskd** 1986 Jul 5;130(27):1237–40 (Eng. Abstr.) **(Dut)**

[Treatment of the sleep apnea syndrome by continuous positive pressure] Hubert P, et al. **Rev Mal Respir** 1986; 3(3):133–8 (Eng. Abstr.) **(Fre)**

[Adenotonsillectomy as a cure for sleep apnea syndrome in a 5-year-old boy] Bonzanigo C. **Helv Paediatr Acta** 1984 May;39(2):193–6 (Eng. Abstr.) **(Ger)**

[Central sleep apnea in the Arnold-Chiari type II malformation and a trial to prevent it by transcutaneous electrical stimulation] Goto K, et al. **Kokyu To Junkan** 1985 Sep;33(9):1115–20 (Eng. Abstr.) **(Jpn)**

[The role of gastroplasty in the treatment of obstructive sleep apnea] Reimão R, et al. **Arq Neuropsiquiatr** 1986 Mar; 44(1):38–43 (Eng. Abstr.) **(Por)**

SLEEP DEPRIVATION

Antidepressant effects of sleep deprivation and phototherapy. Wehr TA, et al. **Acta Psychiatr Belg** 1985 Sep–Oct; 85(5):593–602

Antidepressant effects of sleep deprivation in bright and dim light. Wehr TA, et al. **Acta Psychiatr Scand** 1985 Aug; 72(2):161–5

Effects of one night's sleep deprivation on mood and behavior in panic disorder. Patients with panic disorder compared with depressed patients and normal controls. Roy-Byrne PP, et al. **Arch Gen Psychiatry** 1986 Sep;43(9):895–9

Sleep deprivation and reading comprehension. Webb WB. **Biol Psychol** 1986 Apr;22(2):169–72

Marathon volleyball: changes after 61 hours play. Lund PM. **Br J Sports Med** 1985 Dec;19(4):228–9

Effects of previous REM sleep deprivation on the acquisition of different topographies of discriminated avoidance in the rat. Peron JE, et al. **Braz J Med Biol Res** 1985;18(3):381–9

Sleep deprivation alters the cell population kinetics in the jejunum of the male Syrian hamster (Mesocricetus auratus). Jazwinska EC. **Cell Tissue Kinet** 1986 May;19(3):335–50

Abstinence from night sleep as a treatment for endogenous depressions. The earliest observations in a Danish mental hospital (1954) and an analysis of the causal mechanism. Ostenfeld I. **Dan Med Bull** 1986 Feb;33(1):45–9

Physical and mental performance of soldiers on high- and low-energy diets during prolonged heavy exercise combined with sleep deprivation. Rognum TO, et al. **Ergonomics** 1986 Jul;29(7):859–67

Sleep deprivation and kindled seizures. Grahnstedt S. **Exp Neurol** 1986 Apr;92(1):248–60

Diurnal change in stature: effects of sleep deprivation in young men and middle-aged men. Jazwinska EC, et al. **Experientia** 1985 Dec 15;41(12):1533–5

Efficacy of sleep deprivation as an activation procedure in epilepsy patients. Ellingson RJ, et al. **J Clin Neurophysiol** 1984 Jan;1(1):83–101 (53 ref.)

Sleep deprivation, physical fatigue, and the perception of exercise intensity. Myles WS. **Med Sci Sports Exerc** 1985 Oct;17(5):580–4

Periodic sleep deprivation in drug-refractory depression. Dessauer M, et al. **Neuropsychobiology** 1985;13(3):111–6

Decrements in logical reasoning performance under conditions of sleep loss and physical exercise: the factor of sentence complexity. Ryman DH, et al. **Percept Mot Skills** 1985 Dec;61(3 Pt 2):1179–88

REM sleep deprivation facilitates the estrogen effect on heterotypical sexual behavior in male rats. Canchola E, et al. **Physiol Behav** 1986;37(1):33–7

Stress induced by three procedures of deprivation of paradoxical sleep. Coenen AM, et al. **Physiol Behav** 1985 Oct;35(4):501–4

Effects of paradoxical sleep deprivation in the rabbit. Pivik RT, et al. **Physiol Behav** 1986;36(4):671–6

Sleep deprivation of rats by punitive and non punitive procedures. Sternthal HS, et al. **Physiol Behav** 1986; 37(2):249–52

Electrophysiological evaluation of three paradoxical sleep deprivation techniques in rats. van Luijtelaar EL, et al. **Physiol Behav** 1986;36(4):603–9

A dose–response study of sleep loss and spontaneous sleep termination. Akerstedt T, et al. **Psychophysiology** 1986 May;23(3):293–7

Performance and sleepiness as a function of frequency and placement of sleep disruption. Bonnet MH. **Psychophysiology** 1986 May;23(3):263–71

Activation of EEG recordings by graded sleep deprivation. Roth B, et al. **Schweiz Arch Neurol Psychiatr** 1986; 137(3):17–38

Sleep loss in elderly volunteers. Carskadon MA, et al. **Sleep** 1985;8(3):207–21

DRUG EFFECTS

[Changes in membrane proteins in the brain stem of the rat after deprivation of the paradoxical stage of sleep and prolongation of this stage during subsequent free behavior] Demin NN, et al. **Fiziol Zh SSSR** 1986 Jun;72(6):723–8 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Effects of rapid eye movement sleep deprivation on the feeding behavior in the laboratory rat with a description of the cuff pedestal technique. Elomaa E. **Acta Physiol Scand [Suppl]** 1985;545:1–35

The effect of sleep deprivation on activity of the genioglossus muscle. Leiter JC, et al. **Am Rev Respir Dis** 1985 Dec; 132(6):1242–5

Sleep function, with particular reference to sleep deprivation. Horne JA. **Ann Clin Res** 1985;17(5):199–208 (90 ref.)

Effects of delta sleep inducing peptide on sleep cycle of cats deprived of paradoxical sleep. Susić V, et al. **Arch Int Physiol Biochim** 1985 Nov;93(4):271–7

Effect of midazolam and sleep deprivation on day-time sleep propensity. Borbély AA, et al. **Arzneimittelforschung** 1985; 35(11):1696–9

Platform sleep deprivation affects deep slow wave sleep in addition to REM sleep. Grahnstedt S, et al. **Behav Brain Res** 1985 Dec;18(3):233–9

Effects of partial food restriction on nocturnal meal size and feeding speed are counteracted by concurrent REM sleep deprivation in the rat. Johansson GG, et al. **Behav Brain Res** 1986 Jun;20(3):275–80

Effects of rapid eye movement sleep deprivation on regional brain metabolism as measured by 2-[14C]deoxyglucose autoradiography. Peder M, et al. **Behav Neural Biol** 1986 Jan;45(1):71–80

Increased aggression after rapid eye movement sleep deprivation in Wistar rats is not influenced by reduction of dimensions of enclosure. Peder M, et al. **Behav Neural Biol** 1986 May;45(3):287–91

Stress hormonal response to exercise after sleep loss. Martin BJ, et al. **Eur J Appl Physiol** 1986;55(2):210–4

Effect of sleep deprivation on cholesterol metabolism and triglyceridaemia in male volunteers. Vondra K, et al. **Eur J Appl Physiol** 1986;55(1):83–7

Sleep deprivation and exercise. Martin BJ. **Exerc Sport Sci Rev** 1986;14:213–29 (59 ref.)

Effect of 24-hour sleep deprivation on biogenic amine turnover. Bol'shakova TD, et al. **Hum Physiol** 1985 Jul–Aug;11(4):291–5

Hormonal secretion during sleep in man. Modification of growth hormone and prolactin secretion by interruption and selective deprivation of sleep. Beck U. **Int J Neurol** 1981;15(1–2):17–29

Dexamethasone suppression test and sleep deprivation in endogenous depression. Kuhs H. **J Affective Disord** 1985 Sep;9(2):121–6

Effects of sleep deprivation on performance during submaximal and maximal exercise. Bond V, et al. **J Sports Med Phys Fitness** 1986 Jun;26(2):169–74

An analgesic effect of enkephalinase inhibition is modulated by monoamine oxidase-B and REM sleep deprivations. Ukponmwan OE, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Apr; 332(4):376–9

Effect of 64 hours of sleep deprivation upon sleep in geriatric normals and insomniacs. Bonnet MH. **Neurobiol Aging** 1986 Mar–Apr;7(2):89–96

Decision-making to initiate voluntary movements in the rat is altered during deprivation of rapid eye movement sleep. Elomaa E, et al. **Neurosci Lett** 1986 Jan 2;63(1):51–5

REM sleep deprivation induces a decrease in norepinephrine-stimulated 3H-cyclic AMP accumulation in slices from rat brain. Troncone LR, et al. **Pharmacol Biochem Behav** 1986 Jul;25(1):223–5

REM sleep deprivation decreases the grooming and shaking behaviour induced by enkephalinase inhibitor or opiate withdrawal. Ukponmwan OE, et al. **Pharmacol Biochem Behav** 1985 Sep;23(3):385–9

The effects of REM sleep deprivation on striatal dopamine receptor sites. Zwicker AP, et al. **Pharmacol Biochem Behav** 1986 Apr;24(4):809–12

REM sleep deprivation effect on apomorphine-induced gnawing is reversed by dexamethasone. Nez L, et al. **Sleep** 1985;8(3):283–7

[Sleep recovery after deprivation: comparison between good and poor sleepers of the same age] Benoit O, et al. **Rev Electroencephalogr Neurophysiol Clin** 1986 Mar; 16(1):67–72 (Eng. Abstr.) **(Fre)**

[Relation between the duration of nocturnal sleep and seizures in temporal lobe epilepsy] Rajna P, et al. **Orv Hetil** 1986 Apr 13;127(15):895–8 (Eng. Abstr.) **(Hun)**

[Effect of sleep deprivation on the clinical picture and various neurophysiological parameters of psychogenic depression syndromes] Sydor L. **Psychiatr Pol** 1985 Jul–Aug; 19(4):285–90 (Eng. Abstr.) **(Pol)**

[Effect of 24-hour sleep deprivation on the metabolism of biogenic amines] Bol'shkova TD, et al. **Fiziol Cheloveka** 1985 Jul–Aug;11(4):652–6 **(Rus)**

[Dynamics of the bioelectrical activity of human brain during continuous work] Tychina VP, et al. **Kosm Biol Aviakosm Med** 1986 May–Jun;20(3):88–91 (Eng. Abstr.) **(Rus)**

SLEEP DISORDERS

Sleep research and its clinical implications. **Ann Clin Res** 1985;17(5):173–287

Symposium on sleep disorders. **Clin Chest Med** 1985 Dec; 6(4):553–718

Proceedings for the 9th meeting of the Japanese Society of Sleep Research. May 11–12, 1984, Kanazawa. Abstracts. **Folia Psychiatr Neurol Jpn** 1985;39(2):193–223

Hospitals wake up to sleep-disorders clinics. Riffer J. **Hospitals** 1986 Apr 20;60(8):76, 78

Idiopathic hypersomnia: a study of 187 personally observed cases. Roth B. **Int J Neurol** 1981;15(1–2):108–18

Sleep apnea disorders. Introduction to sleep and sleep disorders. Baker TL. **Med Clin North Am** 1985 Nov; 69(6):1123–52 (88 ref.)

[Narcolepsy-cataplexy and periodic hypersomnia beginning in infancy] Nevšímalová S, et al. **Cesk Pediatr** 1986 Jun; 41(6):324–7 (Eng. Abstr.) **(Cze)**

[Diagnosis, etiopathogenesis and treatment of the Kleine-Levin syndrome] Smolík P, et al. **Cesk Psychiatr** 1986 Apr;82(2):127–30 (Eng. Abstr.) **(Cze)**

CHEMICALLY INDUCED

Lithium-aggravated nocturnal myoclonus and restless legs syndrome [letter] Heiman EM, et al. **Am J Psychiatry** 1986 Sep;143(9):1191–2

Is clonidine a behavioural teratogen in the human? Huisjes HJ, et al. **Early Hum Dev** 1986 Jul;14(1):43–8

Cyclazocine-induced sleep disruptions in nondependent addicts. Pickworth WB, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1986; 10(1):77–85

[Sleep disorders in newborn infants born to mothers treated with antihypertensive agents] Kamiyama J, et al. **No To Hattatsu** 1985 Sep;17(5):462–4 **(Jpn)**

CLASSIFICATION

[Sleep disorders] Kokot F. **Przegl Lek** 1985;42(7):592–5 **(Pol)**

COMPLICATIONS

Sleep problems in handicapped children: a preliminary study. Clements J, et al. **J Child Psychol Psychiatry** 1986 May; 27(3):399–407

Senile miosis: the possible contribution of disordered sleep and daytime sleepiness. Pressman MR, et al. **J Gerontol** 1986 Sep;41(5):629–34

Sleep related myoclonus in rheumatic pain modulation disorder (fibrositis syndrome). Moldofsky H, et al. **J Rheumatol** 1986 Jun;13(3):614–7

Paroxysmal awakenings from sleep associated with excessive daytime somnolence: a form of nocturnal epilepsy. Peled R, et al. **Neurology** 1986 Jan;36(1):95–8

'Biological' depression; because sleep fails? Crisp AH. **Postgrad Med J** 1986 Mar;62(725):179–85

Life-threatening injuries resulting from sleepwalking and night terrors. Rauch PK, et al. **Psychosomatics** 1986 Jan; 27(1):62–4

[Periodic hypersomnia—Kleine-Levin syndrome and its

problems. Review of recent cases] Messimy R. **Ist J Neurol** 1981;15(1–2):119–31 (Eng. Abstr.) **(Fre)**

[Paroxysmal dystonic choreoathetosis in a case of pseudoidiopathic hypoparathyroidism] Kawazawa S, et al. **Rinsho Shinkeigaku** 1985 Oct;25(10):1152–8 (Eng. Abstr.) **(Jpn)**

[Sleep-induced respiration disorders] Sigrdahl S, et al. **Tidsskr Nor Laegeforen** 1985 Sep 30;105(27):1882–5 (Eng. Abstr.) **(Nor)**

DIAGNOSIS

The polysomnographic diagnoses of sleep disorders in elderly medical patients. Lucas EA, et al. **Ala J Med Sci** 1986 Apr;23(2):140–5

'I didn't sleep a wink'. McNeil BJ, et al. **Am J Nurs** 1986 Jan;86(1):26–7

Somatic symptoms in primary affective disorder. Presence and relationship to the classification of depression. Casper RC, et al. **Arch Gen Psychiatry** 1985 Nov;42(11):1098–104

Sleep in middle childhood—a longitudinal study of sleep problems in a large sample of Dunedin children aged 5–9 years. Clarkson S, et al. **Aust Paediatr J** 1986 Feb; 22(1):31–5

Differential aspects of sleep epilepsy [letter] Gotman J, et al. **Can J Neurol Sci** 1986 May;13(2):149

Differential aspects of sleep epilepsy. Young GB, et al. **Can J Neurol Sci** 1985 Nov;12(4):317–20

Hypnogenic paroxysmal dystonia: epilepsy or sleep disorder? A case report. Godbout R, et al. **Clin Electroencephalogr** 1985 Jul;16(3):136–42

Recent developments in the diagnosis and treatment of sleep disorders. Williams RL, et al. **Hosp Community Psychiatry** 1985 Sep;36(9):951–7 (48 ref.)

Kleine–Levin syndrome: a case report. Ferguson BG. **J Child Psychol Psychiatry** 1986 Mar;27(2):275–8

Sleep complaints should not be taken lightly. Schoen LS, et al. **J Miss State Med Assoc** 1985 Nov;26(11):323–5

Respiration and sleep in Parkinson's disease. Apps MC, et al. **J Neurol Neurosurg Psychiatry** 1985 Dec;48(12):1240–5

Nocturnal paroxysmal dystonia. Lugaresi E, et al. **J Neurol Neurosurg Psychiatry** 1986 Apr;49(4):375–80

Utilization of polysomnography in the assessment of sleep disorders. Orr WC. **Med Clin North Am** 1985 Nov; 69(6):1153–67 (31 ref.)

Overinterpreting sleep problems [letter] Ventis DG, et al. **Pediatrics** 1986 Sep;78(3):548

[Clinical and polygraphic study of 2 cases of "nocturnal myoclonus" sensitive to clonazepam] Rousseau JJ, et al. **Acta Neurol Belg** 1985 Nov–Dec;85(5):318–26 (Eng. Abstr.) **(Fre)**

[Comparison between good and poor sleep in the 20 to 30-year-old age range: polygraphic findings and psychopathologic aspects] Goldenberg F, et al. **Rev Electroencephalogr Neurophysiol Clin** 1986 Mar; 16(1):55–66 (Eng. Abstr.) **(Fre)**

[Seizures recorded upon awakening in the child: diagnostic difficulties] Plouin P, et al. **Rev Electroencephalogr Neurophysiol Clin** 1986 Mar; 16(1):29–37 (Eng. Abstr.) **(Fre)**

[Episodic phenomena of sleep and dreams] Strunz F. **Psychother Psychosom Med Psychol** 1986 Aug;36(8):259–73 (Eng. Abstr.) **(Ger)**

[Principles and differential diagnosis of primary sleep disorders] Strauch I. **Schweiz Rundsch Med Prax** 1985 Nov 19;74(47):1296–300 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Drugs for poor sleepers? [letter] **Br Med J [Clin Res]** 1986 May 3;292(6529):1200–1

Drugs for poor sleepers? [editorial] Oswald I. **Br Med J [Clin Res]** 1986 Mar 15;292(6522):715

Nitrazepam for periodic movements in sleep (sleep-related myoclonus). Moldofsky H, et al. **Can J Neurol Sci** 1986 Feb;13(1):52–4

Hypnotics. Their place in therapeutics. Nicholson AN. **Drugs** 1986 Feb;31(2):164–76 (29 ref.)

Treatment of pavor nocturnus with alprazolam [letter] Cameron OG, et al. **J Clin Psychiatry** 1985 Nov;46(11):504

Treatment of hypersomnolence in myotonic dystrophy with a CNS stimulant. van der Meché FG, et al. **Muscle Nerve** 1986 May;9(4):341–4

A multi-centre, double-blind trial in general practice comparing the hypnotic efficacy and event profiles of flunitrazepam and temazepam. Fisher RJ, et al. **Pharmatherapeutica** 1985;4(4):231–5

[Adverse medical aspects of hypnotic therapy with temazepam] Schmidt U, et al. **Arzneimittelforschung** 1985; 35(8):1336–40 (Eng. Abstr.) **(Ger)**

[Brotizolam: polysomnographic study in healthy subjects] Zucconi M, et al. **Minerva Psichiatr** 1986 Jan–Mar; 27(1):19–25 (Eng. Abstr.) **(Ita)**

[Effect of fenibut on the nocturnal sleep of patients with the alcoholic abstinence syndrome] Danilin VP, et al. **Zh Nevropatol Psikhiatr** 1986;86(2):251–4 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Dominantly inherited restless legs with myoclonus and periodic movements of sleep: a syndrome related to the endogenous opiates? Walters A, et al. **Adv Neurol** 1986; 43:309–19

Disorders of excessive sleepiness. Guilleminault C. **Ann Clin Res** 1985;17(5):209–19 (56 ref.)

Mononucleosis and chronic daytime sleepiness. A long-term follow-up study. Guilleminault C, et al. **Arch Intern Med** 1986 Jul;146(7):1333–5

Self-reported excessive daytime somnolence and impaired respiration in sleep. Sink J, et al. **Chest** 1986 Aug; 90(2):177–80

The measurement of children's sleep disturbances and somatic complaints following a disaster. Dollinger SJ. **Child Psychiatry Hum Dev** 1986 Spring;16(3):148–53

Alveolar hypoventilation and daytime hypersomnia in acromegaly. Seggev J, et al. **Eur J Respir Dis** 1986 May; 68(5):381–3

Paradoxical response to nitrazepam in a patient with hypersomnia secondary to nocturnal myoclonus [letter] Nassr DG. **J Clin Psychopharmacol** 1986 Apr;6(2):121–2

Snoring and sleepiness [editorial] **Lancet** 1985 Oct 26; 2(8461):925–6

Sleep disorders [letter] Hartnett FC. **Nurse Pract** 1986 Jan; 11(1):68

Birth stress and self-reported sleep difficulty. Coren S, et al. **Sleep** 1985;8(3):222–6

[Obesity and hypersomnia] Vantov M, et al. **Vutr Boles** 1986; 25(1):82–5 (Eng. Abstr.) **(Bul)**

[Excessive daytime sleepiness, central type sleep apnea and myotonic dystrophy] Reimão R, et al. **Arq Neuropsiquiatr** 1985 Dec;43(4):391–5 (Eng. Abstr.) **(Por)**

FAMILIAL & GENETIC

Association between HLA antigens and different types of hypersomnia [letter] Montplaisir J, et al. **JAMA** 1986 May 2;255(17):2295–6

HLA-DR2 and Dw2 in narcolepsy and in other disorders of excessive somnolence without cataplexy. Honda Y, et al. **Sleep** 1986;9(1 Pt 2):133–42

Familial nocturnal cramping. Jacobsen JH, et al. **Sleep** 1986; 9(1):54–60

HLA antigens in narcolepsy and idiopathic central nervous system hypersomnolence. Poirier G, et al. **Sleep** 1986;9(1 Pt 2):153–8

OCCURRENCE

Further studies on the prevalence of isolated sleep paralysis in black subjects. Bell CC, et al. **J Natl Med Assoc** 1986 Jul;78(7):649–59

PHYSIOPATHOLOGY

Phase delay and hypersomnia [letter] Lewy AJ, et al. **Am J Psychiatry** 1986 May;143(5):679–80

Sleep, sleeplessness, and sleep disruptions in infants and young children. Ferber R. **Ann Clin Res** 1985;17(5):227–34 (43 ref.)

Mood alterations and sleep. Hetta J, et al. **Ann Clin Res** 1985; 17(5):252–6 (48 ref.)

Periodic leg movements of sleep (nocturnal myoclonus): an electrophysiological study. Wechsler LR, et al. **Ann Neurol** 1986 Feb;19(2):168–73

Benign neonatal sleep myoclonus. Relationship to sleep states. Resnick TJ, et al. **Arch Neurol** 1986 Mar;43(3):266–8

Neuroendocrine rhythms in a patient with the Kleine–Levin syndrome. Thompson C, et al. **Br J Psychiatry** 1985 Oct; 147:440–3

State disorders and state-dependent seizures in amygdala-kindled cats. Shouse MN. **Exp Neurol** 1986 Jun; 92(3):601–8

Restless legs syndrome and nocturnal myoclonus. Coccagna G, et al. **Int J Neurol** 1981;15(1–2):77–87

GABA and circadian timekeeping: implications for manic–depression and sleep disorders. Borsook D, et al. **Med Hypotheses** 1986 Feb;19(2):185–98 (90 ref.)

Jactatio nocturna after head injury. Drake ME Jr. **Neurology** 1986 Jun;36(6):867–8

Sleep disturbances and severity of Huntington's disease. Hansotia P, et al. **Neurology** 1985 Nov;35(11):1672–4

Comparative polysomnographic study of narcolepsy and idiopathic central nervous system hypersomnia. Baker TL, et al. **Sleep** 1986;9(1 Pt 2):232–42

Are microarousals preceded by electroencephalographic slow wave synchronization precursors of confusional awakenings? Halász P, et al. **Sleep** 1985;8(3):231–8

An alternative to the multiple sleep latency test for determining sleepiness in narcolepsy and hypersomnia: polygraphic score of sleepiness. Roth B, et al. **Sleep** 1986; 9(1 Pt 2):243–5

Sleep, sleep loss, and breathing. Phillips B. **South Med J** 1985 Dec;78(12):1483–6 (40 ref.)

[Sleep recovery after deprivation: comparison between good and poor sleepers of the same age] Benoit O, et al. **Rev Electroencephalogr Neurophysiol Clin** 1986 Mar; 16(1):67–72 (Eng. Abstr.) **(Fre)**

[Narcolepsy and hypersomnia] Stojanović V, et al. **Vojnosanit Pregl** 1985 Nov–Dec;42(6):419–25 (Eng. Abstr.) **(Ser)**

PREVENTION & CONTROL

Overnight nasal CPAP improves hypersomnolence in sleep apnea. Rajagopal KR, et al. **Chest** 1986 Aug;90(2):172–6

PSYCHOLOGY

Unusual case of sleep terror in a pregnant patient [letter] Snyder S. **Am J Psychiatry** 1986 Mar;143(3):391

Alpha–NREM sleep distributed across the 24-hour day in a legally blind elderly male. Sewitch DE, et al. **Biol Psychiatry** 1986 Feb;21(2):201–7

Sleep disturbance in pain clinic patients. Pilowsky I, et al. **Pain** 1985 Sep;23(1):27–33

Sleep, personality and mental health. Tsoi WF, et al. **Singapore Med J** 1986 Feb;27(1):49–53

[Treatment of situation-related sleep disorders with midazolam and triazolam—a comparative study of athletes] Forgo I. **Schweiz Rundsch Med Prax** 1986 Feb 11; 75(7):160–3 (Eng. Abstr.) **(Ger)**

[Sleep—seismograph of the body and soul] Laemmel K. **Schweiz Rundsch Med Prax** 1985 Nov 19;74(47):1305–10 (Eng. Abstr.) **(Ger)**

THERAPY

The use of plasma melatonin levels and light in the assessment and treatment of chronobiologic sleep and mood disorders. Lewy AJ, et al. **J Neural Transm [Suppl]** 1986;21:311–22

The prevention of sleep problems and colic. Schmitt BD. **Pediatr Clin North Am** 1986 Aug;33(4):763–74

Treatment of a case of advanced sleep phase syndrome by phase advance chronotherapy. Moldofsky H, et al. **Sleep** 1986;9(1):61–5

SLEEP, REM

Alprazolam vs amitriptyline in depressions with reduced REM latencies. Rush AJ, et al. **Arch Gen Psychiatry** 1985 Dec;42(12):1154–9

Which endogenous depressive symptoms relate to REM latency reduction? Giles DE, et al. **Biol Psychiatry** 1986 May;21(5–6):473–82

Latency of eye movement and other REM sleep parameters in bipolar depression. Jernajczyk W. **Biol Psychiatry** 1986 May;21(5–6):465–72

Comparison of automated REM and slow-wave sleep analysis in young and middle-aged depressed subjects. Kupfer DJ, et al. **Biol Psychiatry** 1986 Feb;21(2):189–200

Effects of previous REM sleep deprivation on the acquisition of different topographies of discriminated avoidance in the rat. Peron JE, et al. **Braz J Med Biol Res** 1985;18(3):381–9

Ear oximetry to detect apnea and differentiate rapid eye movement (REM) and non-REM (NREM) sleep. Screening for the sleep apnea syndrome. Farney RJ, et al. **Chest** 1986 Apr;89(4):533–9

Paradoxical sleep in psychiatric disorders and narcolepsy. Kaneko Z, et al. **Int J Neurol** 1981;15(1–2):40–55

Sleep research and clinically reported dreams. Can they be integrated? Dora, revisited. Gabel S. **J Anal Psychol** 1985 Apr;30(2):185–205

Olivopontocerebellar degeneration, abnormal sleep, and REM sleep without atonia. Salva MA, et al. **Neurology** 1986 Apr;36(4):576–7

REM sleep deprivation facilitates the estrogen effect on heterotypical sexual behavior in male rats. Canchola E, et al. **Physiol Behav** 1986;37(1):33–7

Stress induced by three procedures of deprivation of paradoxical sleep. Coenen AM, et al. **Physiol Behav** 1985 Oct;35(4):501–4

Effects of paradoxical sleep deprivation in the rabbit. Pivik RT, et al. **Physiol Behav** 1986;36(4):671–6

Electrophysiological evaluation of three paradoxical sleep deprivation techniques in rats. van Luijtelaar EL, et al. **Physiol Behav** 1986;36(4):603–9

Proportional jerk: a new measure of motion as applied to eye movements in sleep and waking. Aserinsky E. **Psychophysiology** 1986 May;23(3):340–7

REM/NREM discrimination via ocular and limb movement monitoring: correlation with polygraphic data and development of a REM state algorithm. Helfand R, et al. **Psychophysiology** 1986 May;23(3):334–9

Relationship between the microfilarial migration and the changes of sleep stage with special reference to REM sleep. Matsuoka S, et al. **Sangyo Ika Daigaku Zasshi** 1985 Sep 1;7(3):309–19

[Function of REM sleep] Strunz F. **Fortschr Neurol Psychiatr** 1985 Nov;53(11):395–409 (Eng. Abstr.) **(Ger)**

[Narcolepsy and sudden onset of REM periods after nocturnal awakenings] Cowan R, et al. **Arq Neuropsiquiatr** 1985 Sep;43(3):229–33 (Eng. Abstr.) **(Por)**

DRUG EFFECTS

Sleep, depression and the effects of antidepressant drugs. Gaillard JM, et al. **Acta Psychiatr Belg** 1985 Sep–Oct; 85(5):561–7

Effects of delta sleep inducing peptide on sleep cycle of cats deprived of paradoxical sleep. Susić V, et al. **Arch Int Physiol Biochim** 1985 Nov;93(4):271–7

Cholinergic reduction of REM sleep duration is reverted by auditory stimulation. Arankowsky-Sandoval G, et al. **Brain Res** 1986 Jun 11;375(2):377–80

Alterations in blood pressure and REM sleep after pontine carbachol microinfusion. Shiromani PJ, et al. **Exp Neurol** 1986 Feb;91(2):285–92

Diurnal variations of brain noradrenaline metabolism of the

methylmercury chloride-administered rat with reference to an altered circadian rhythm of paradoxical sleep. Arito H, et al. **Ind Health** 1985;23(4):245–53

Rapid eye movement (REM)-sleep during and after continuous infusion of the oxazoline derivate S3341: a comparison with clonidine. Lewis SJ, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S45–7

Effects of H1- and H2-histamine receptor agonists and antagonists on sleep and wakefulness in the rat. Monti JM, et al. **J Neural Transm** 1986;66(1):1–11

Cholinergic enhancement and REM sleep latency in the aged: lecithin does not reproduce physostigmine effect. Kapen S, et al. **Neurology** 1986 Aug;36(8):1079–83

The acetylcholinesterase inhibitor di-isopropyl-fluorophosphate increases REM sleep in rats. Gnadt JW, et al. **Physiol Behav** 1985 Dec;35(6):911–6

[Advances in the psychopharmacological management of the narcoleptic patient] Salín-Pascual RJ, et al. **Acta Psiquiatr Psicol Am Lat** 1985 Mar;31(1):62–8 (Eng. Abstr.) (Spa)

PHYSIOLOGY

Effects of rapid eye movement sleep deprivation on the feeding behavior in the laboratory rat with a description of the cuff pedestal technique. Elomaa E. **Acta Physiol Scand [Suppl]** 1985;545:1–35

The chronic "cerveau isolé" rat shows late and exceptional occurrence of paradoxical sleep. Gandolfo G, et al. **Arch Ital Biol** 1985 Jul;123(3):223–6

Improvement of learning by cueing during postlearning paradoxical sleep. Hars B, et al. **Behav Brain Res** 1985 Dec; 18(3):241–50

Effects of partial food restriction on nocturnal meal size and feeding speed are counteracted by concurrent REM sleep deprivation in the rat. Johansson GG, et al. **Behav Brain Res** 1986 Jun;20(3):275–80

Effects of rapid eye movement sleep deprivation on regional brain metabolism as measured by 2-[14C]deoxyglucose autoradiography. Peder M, et al. **Behav Neural Biol** 1986 Jan;45(1):71–80

Increased aggression after rapid eye movement sleep deprivation in Wistar rats is not influenced by reduction of dimensions of enclosure. Peder M, et al. **Behav Neural Biol** 1986 May;45(3):287–91

An optimal monitor of the rapid-eye-movement brain state. Kemp B. **Biol Cybern** 1986;54(2):133–9

REM sleep latency and contingent negative variation in endogenous depression. Suggestion for a common cholinergic mechanism. Anseau M, et al. **Biol Psychiatry** 1985 Dec;20(12):1303–7

Effects of morning versus evening bright light exposure on REM latency. Sack RL, et al. **Biol Psychiatry** 1986 Apr; 21(4):410–3

Rhythmic raiding of refrigerator related to rapid eye movement sleep. Oswald I, et al. **Br Med J [Clin Res]** 1986 Mar 1;292(6520):589

Do asthmatics suffer bronchoconstriction during rapid eye movement sleep? Shapiro CM, et al. **Br Med J [Clin Res]** 1986 May 3;292(6529):1161–4

The importance of fetal/neonatal REM sleep. Mirmiran M. **Eur J Obstet Gynecol Reprod Biol** 1986 May;21(5–6):283–91

Inbreeding considerations in a REM sleep model for rat swimming activity. Hawkins J. **Experientia** 1986 Feb 15; 42(2):134–6

REM sleep, dreaming and "dream detector".Okuma T. **Int J Neurol** 1981;15(1–2):30–9

Differential effects of awakening from REM and NONREM sleep on dichotic listening performance as a function of handedness. Lavie P. **Int J Neurosci** 1986 Aug; 30(1–2):37–42

Motility and arousal in near miss sudden infant death syndrome. Coons S, et al. **J Pediatr** 1985 Nov;107(5):728–32

Decision-making to initiate voluntary movements in the rat is altered during deprivation of rapid eye movement sleep. Elomaa E, et al. **Neurosci Lett** 1986 Jan 2;63(1):51–5

Effects of hypothalamic paraventricular lesions on sleep in rats. Piepenbrock N, et al. **Neurosci Lett** 1985 Dec 4; 62(2):151–6

REM sleep deprivation induces a decrease in norepinephrine-stimulated 3H-cyclic AMP accumulation in slices from rat brain. Troncone LR, et al. **Pharmacol Biochem Behav** 1986 Jul;25(1):223–5

REM sleep deprivation decreases the grooming and shaking behaviour induced by enkephalinase inhibitor or opiate withdrawal. Ukponmwan OE, et al. **Pharmacol Biochem Behav** 1985 Sep;23(3):385–9

The effects of REM sleep deprivation on striatal dopamine receptor sites. Zwicker AP, et al. **Pharmacol Biochem Behav** 1986 Apr;24(4):809–12

Modification of REM sleep behavior by REMs contingent auditory stimulation in man. Mouze-Amady M, et al. **Physiol Behav** 1986;37(4):543–8

Paradoxical sleep augmentation after imprinting in the domestic chick. Solodkin M, et al. **Physiol Behav** 1985 Sep; 35(3):343–8

Neuronal excitability control in health and disease: a neurophysiological comparison of REM sleep and epilepsy. Elazar Z, et al. **Prog Neurobiol** 1985;25(2):141–88 (192 ref.)

A cardioacceleratory response to low-dose arecoline infusion during sleep in patients with major depressive disorder: relationship to REM sleep induction. Abramson LB, et al. **Psychiatry Res** 1985 Nov;16(3):189–98

Aspects of short REM latency in affective states: a revisit. Kupfer DJ, et al. **Psychiatry Res** 1986 Jan;17(1):49–59

On the origin of early REM episodes in the sleep of depressed patients: a comparison of three hypotheses. Schulz H, et al. **Psychiatry Res** 1985 Sep;16(1):65–77

On the explanation of short REM latencies in depression. van den Hoofdakker RH, et al. **Psychiatry Res** 1985 Oct; 16(2):155–63

Psychophysiologic correlates of nocturnal penile tumescence in normal males. Rosen RC, et al. **Psychosom Med** 1986 Jul–Aug;48(6):423–9

Are REM cycles in narcoleptic patients governed by an ultradian rhythm? De Koninck J, et al. **Sleep** 1986;9(1 Pt 2):162–6

REM sleep deprivation effect on apomorphine-induced gnawing is reversed by dexamethasone. Nez L, et al. **Sleep** 1985;8(3):283–7

Dynamics of REM sleep in narcolepsy. Spielman AJ, et al. **Sleep** 1986;9(1 Pt 2):175–82

Modification of paradoxical sleep following transections of the reticular formation at the pontomedullary junction. Webster HH, et al. **Sleep** 1986;9(1):1–23

[Induction of paradoxical sleep (PS) by infusion of cerebrospinal fluid from PS-deprived rats] Dugovic C, et al. **C R Acad Sci [III]** 1985;301(10):531–4 (Eng. Abstr.) (Fre)

[Slow-wave paradoxical sleep during the 1st year of life] Samson-Dollfus D, et al. **Rev Electroencephalogr Neurophysiol Clin** 1986 Mar; 16(1):1–7 (Eng. Abstr.) (Fre)

[Changes in membrane proteins in the brain stem of the rat after deprivation of the paradoxical stage of sleep and prolongation of this stage during subsequent free behavior] Demin NN, et al. **Fiziol Zh SSSR** 1986 Jun;72(6):723–8 (Eng. Abstr.) (Rus)

[Interdependence of learning and paradoxical sleep in the cat] Oniani TN, et al. **Zh Vysh Nerv Deiat** 1986 May–Jun; 36(3):460–7 (Eng. Abstr.) (Rus)

SLEEP STAGES

Diurnal administration of human growth hormone-releasing factor does not modify sleep and sleep-related growth hormone secretion in normal young men. Garry P, et al. **Acta Endocrinol (Copenh)** 1985 Oct;110(2):158–63

Onset of nocturnal attacks of chronic cluster headache in relation to sleep stages. Pfaffenrath V, et al. **Acta Neurol Scand** 1986 Apr;73(4):403–7

Sleep pattern in the starling (Sturnus vulgaris). Szymczak JT. **Acta Physiol Pol** 1985 Sep–Dec;36(5–6):323–31

Drowsiness after epidural opioids [letter] Grant IS. **Anaesthesia** 1986 Apr;41(4):431–2

Benign neonatal sleep myoclonus. Relationship to sleep states. Resnick TJ, et al. **Arch Neurol** 1986 Mar;43(3):266–8

Sleep electroencephalographic measures in primary major depressive disorder: distinction between DST suppressor and nonsuppressor patients. Kerkhofs M, et al. **Biol Psychiatry** 1986 Feb;21(2):228–32

Alpha-NREM sleep distributed across the 24-hour day in a legally blind elderly male. Sewitch DE, et al. **Biol Psychiatry** 1986 Feb;21(2):201–7

Sleep and control of heart rate. George CF, et al. **Clin Chest Med** 1985 Dec;6(4):595–601

Breathing during sleep in normal subjects. Krieger J. **Clin Chest Med** 1985 Dec;6(4):577–94

Sleep and respiration: a postscript. Kryger MH, et al. **Clin Chest Med** 1985 Dec;6(4):713–8

Lethargy as a presenting symptom in patients with intussusception. Heldrich FJ. **Clin Pediatr (Phila)** 1986 Jul; 25(7):363–5

Effect of sleep on the auditory steady state evoked potential. Jerger J, et al. **Ear Hear** 1986 Aug;7(4):240–5

Sleep during mania in manic-depressive males. Linkowski P, et al. **Eur Arch Psychiatry Neurol Sci** 1986;235(6):339–41

Computer sleep stage scoring—an expert system approach. Ray SR, et al. **Int J Biomed Comput** 1986 Jul;19(1):43–61

The utility and validity of daytime naps in the assessment of sleep-onset insomnia. Haynes SN, et al. **J Behav Med** 1985 Sep;8(3):237–47

Behavioral changes following generic thioridazine [letter] Weber SS, et al. **J Clin Psychiatry** 1986 May;47(5):277–8

Mood and sleep in aging women. Berry DT, et al. **J Pers Soc Psychol** 1985 Dec;49(6):1724–7

Twelve months' follow-up by night sleep EEG after recovery from severe head trauma. George B, et al. **Neurochirurgia (Stuttg)** 1986 Mar;29(2):45–7

Polygraphic analysis of the sleep-wake states and the REM sleep periodicity in domesticated pigs (Sus scrofa). Robert S, et al. **Physiol Behav** 1986;37(2):289–93

Sleep patterns in the Mongolian gerbil, Meriones unguiculatus. Sulić V, et al. **Physiol Behav** 1986; 37(2):257–61

A dose-response study of sleep loss and spontaneous sleep termination. Akerstedt T, et al. **Psychophysiology** 1986 May;23(3):293–7

Performance and sleepiness as a function of frequency and placement of sleep disruption. Bonnet MH. **Psychophysiology** 1986 May;23(3):263–71

REM/NREM discrimination via ocular and limb movement monitoring: correlation with polygraphic data and development of a REM state algorithm. Helfand R, et al. **Psychophysiology** 1986 May;23(3):334–9

A comparison of the telediagnostic and medilog systems for recording normal sleep in the home environment. Sewitch DE, et al. **Psychophysiology** 1985 Nov;22(6):718–26

Endurance as opposed to power training: their effect on sleep. Trinder J, et al. **Psychophysiology** 1985 Nov;22(6):668–73

The activating effect of sleep EEGs in epileptic patients with epileptic activity in their waking EEGs. Degen R, et al. **Schweiz Arch Neurol Psychiatr** 1986;137(2):5–13

Significance of slow wave sleep: considerations from a clinical viewpoint. Spiegel R, et al. **Sleep** 1986;9(1):66–79

[Studies of a full night's sleep in patients with absences] Bergmann L, et al. **Psychiatr Neurol Med Psychol Beih** 1979;25:164–74 (Eng. Abstr.) (Ger)

[Episodic phenomena of sleep and dreams] Strunz F. **Psychother Psychosom Med Psychol** 1986 Aug;36(8):259–73 (Eng. Abstr.) (Ger)

[Sleep—seismograph of the body and soul] Laemmel K. **Schweiz Rundsch Med Prax** 1985 Nov 19;74(47):1305–10 (Eng. Abstr.) (Ger)

[Sleep polygraphic studies in the preliminary stages of delirium tremens] Kursawe HK, et al. **Zentralbl Neurochir** 1986;47(1):66–71 (Eng. Abstr.) (Ger)

[Polysomnography] Suetsugu S. **Kokyu To Junkan** 1985 Aug; 33(8):999–1004 (Jpn)

DRUG EFFECTS

Effect of glutaurine on sleep-wakefulness cycle and aggressive behaviour in the cat. Kukorelli T, et al. **Acta Physiol Hung** 1986;67(1):31–5

The effects of chlormethiazole in EEG recorded sleep in normal elderly volunteers. Liljenberg B, et al. **Acta Psychiatr Scand [Suppl]** 1986;329:34–9

Chlormethiazole as a sleep cover for regional anaesthesia. Scott DB. **Acta Psychiatr Scand [Suppl]** 1986;329:182–4

Regular 48-hour cycling of sleep duration and mood in a 35-year-old woman: use of lithium in time isolation. Welsh DK, et al. **Biol Psychiatry** 1986 May;21(5–6):527–37

5-Hydroxytryptamine-2 antagonist increases human slow wave sleep. Idzikowski C, et al. **Brain Res** 1986 Jul 16; 378(1):164–8

The effect of drugs on breathing during sleep. Robinson RW, et al. **Clin Chest Med** 1985 Dec;6(4):603–14

Lethargy and confusion after total nephrectomy. Wachter RM, et al. **Hosp Pract [Off]** 1986 Feb 15;21(2):40L, 40N, 40P

Influence of proopiomelanocortin-derived peptides on the sleep-waking cycle of the rat. Chastrette N, et al. **Neurosci Lett** 1985 Dec 18;62(3):365–70

Sleep in Macaca arctoides and the effects of prazosin. Leinonen L, et al. **Physiol Behav** 1986;37(2):199–202

Effects of alprazolam and diazepam on the daytime sleepiness of non-anxious subjects. Seidel WF, et al. **Psychopharmacology (Berlin)** 1985;87(2):194–7

Sleep-wave activity of a delta sleep-inducing peptide analog correlates with its penetrance of the blood-brain barrier. Miller LH, et al. **Sleep** 1986;9(1):80–4

[Is tryptophan a biological hypnotic?] Borbély AA, et al. **Schweiz Rundsch Med Prax** 1986 Jun 24;75(26):785–91 (Eng. Abstr.) (Ger)

[Hypnotics and sleep: review and therapeutic guidelines] Borbély AA. **Ther Umsch** 1986 Jun;43(6):509–16 (Eng. Abstr.) (Ger)

PHYSIOLOGY

Relationships between sleep stages and plasma cortisol: a single case study. Fehm HL, et al. **Acta Endocrinol (Copenh)** 1986 Feb;111(2):264–70

Brain temperature changes coupled to sleep states persist during interleukin 1-enhanced sleep. Walter J, et al. **Am J Physiol** 1986 Jan;250(1 Pt 2):R96–103

Nocturnal and early morning headaches. Kayed K, et al. **Ann Clin Res** 1985;17(5):243–6 (23 ref.)

Cardiac dysfunction during sleep. Motta J, et al. **Ann Clin Res** 1985;17(5):190–8 (77 ref.)

Regulation of circulation and breathing during sleep: experimental aspects. Parmeggiani PL. **Ann Clin Res** 1985; 17(5):185–9 (27 ref.)

Platform sleep deprivation affects deep slow wave sleep in addition to REM sleep. Grahnstedt S, et al. **Behav Brain Res** 1985 Dec;18(3):233–9

Spectral EEG correlates of dream recall. Williamson PC, et al. **Biol Psychiatry** 1986 Jul;21(8–9):717–23

EEG asymmetry and sleep mentation during REM and NREM. Ehrlichman H, et al. **Brain Cogn** 1985 Oct; 4(4):477–85

Cerebral and local cerebral metabolism in the cat during slow wave and REM sleep. Ramm P, et al. **Brain Res** 1986 Feb 12;365(1):112–24

Coping with aversive stimulation in the neonatal period: quiet sleep and plasma cortisol levels during recovery from circumcision. Gunnar MR, et al. **Child Dev** 1985 Aug; 56(4):824–34

Experimental study on the relationship between cardiac arrhythmias and sleep states by ambulatory ECG-EEC monitoring. Otsuka K, et al. **Clin Cardiol** 1986 Jul; 9(7):305–13

Apnea during sleep in the pediatric patient. Ariagno RL, et al. **Clin Chest Med** 1985 Dec;6(4):679–90

Asthma at night. Douglas NJ. **Clin Chest Med** 1985 Dec; 6(4):663–74

Sleep in chronic obstructive lung disease. Flenley DC.

Clin Chest Med 1985 Dec;6(4):651–61
Sleep in restrictive lung disorders. Kryger MH.
Clin Chest Med 1985 Dec;6(4):675–7
Sleep at high altitude. Weil JV. Clin Chest Med 1985 Dec; 6(4):615–21
Sleep and respiration: terminology and methodology. West P, et al. Clin Chest Med 1985 Dec;6(4):691–712
Episodic anterior drowsy theta in adults. Janati A, et al.
Clin Electroencephalogr 1986 Jul;17(3):135–8
Ultrashort sleep–waking schedule. III. 'Gates' and 'forbidden zones' for sleep. Lavie P.
Electroencephalogr Clin Neurophysiol 1986 May; 63(5):414–25
Slow-wave oscillations of the multi-unit activity average frequency in the human brain during drowsiness and sleep. Moiseeva NI, et al.
Electroencephalogr Clin Neurophysiol 1986 May;63(5):431–7
Automatic analysis of sleep records with static charge sensitive bed. Salmi T, et al.
Electroencephalogr Clin Neurophysiol 1986 Jul;64(1):84–7
State disorders and state-dependent seizures in amygdala-kindled cats. Shouse MN. Exp Neurol 1986 Jun; 92(3):601–8
Variances in delta activity in patients with brain tumor in each sleep stage–with special reference to computerized topographic display of delta activity and CT scan. Matsuoka S, et al. Int J Neurol 1981;15(1–2):97–107
Pattern of eyelid motion predictive of decision errors during drowsiness: oculomotor indices of altered states. Lobb ML, et al. Int J Neurosci 1986 Aug;30(1–2):17–22
Laminar analysis of intracortical auditory evoked potentials during the wakefulness–sleep cycle in the cat. Molnár M, et al. Int J Psychophysiol 1986 Jan;3(3):171–82
Components of the heart rhythm power spectrum in wakefulness and individual sleep stages. Zemaityte D, et al. Int J Psychophysiol 1986 Jul;4(2):129–41
Sleep patterns of aged persons in long-term care facilities. Clapin-French E. J Adv Nurs 1986 Jan;11(1):57–66
Activity of respiratory neurons during NREM sleep. Orem J, et al. J Neurophysiol 1985 Nov;54(5):1144–56
Problems in the interpretation of nocturnal penile tumescence studies: disruption of sleep by occult sleep disorders. Pressman MR, et al. J Urol 1986 Sep;136(3):595–8
Comparison between a physiological and a pharmacological stimulus of growth hormone secretion: response to stage IV sleep and insulin-induced hypoglycaemia. Hindmarsh PC, et al. Lancet 1985 Nov 9;2(8463):1033–5
Twelve months' follow-up by night sleep EEG after recovery from severe head trauma. George B, et al.
Neurochirurgia (Stuttg) 1986 Mar;29(2):45–7
Possible involvement of the S-adenosyl-L-homocysteine metabolites, adenosine and L-homocysteine, in sleep in rats. Sarda N, et al. Neurosci Lett 1986 May 23;66(3):287–92
Sleep–walking shifts and cerebral blood flow in stable preterm infants. Greisen G, et al. Pediatr Res 1985 Nov; 19(11):1156–9
Sleep–wake stages during the subjective night of the squirrel monkey. Erny BC, et al. Physiol Behav 1985 Aug; 35(2):189–94
Prolonged increases in both PS and number of REMS following a shuttle avoidance task. Smith C, et al.
Physiol Behav 1986;36(6):1053–7
The relationship of interleukin-1 and immune functions to sleep in humans. Moldofsky H, et al. Psychosom Med 1986 May–Jun;48(5):309–18
The effect of sleep on the auditory brainstem response (ABR) and the middle latency response (MLR). Osterhammel PA, et al. Scand Audiol 1985;14(1):47–50
Effect of hypoxia on ventilatory and arousal responses to CO2 during NREM sleep with and without flurazepam in young adults. Gothe B, et al. Sleep 1986;9(1):24–37
An alternative to the multiple sleep latency test for determining sleepiness in narcolepsy and hypersomnia: polygraphic score of sleepiness. Roth B, et al. Sleep 1986; 9(1 Pt 2):243–5
Rip Van Winkle syndrome: confusion and irresistible somnolence after stroke. Prendes JL, et al.
South Med J 1986 Sep;79(9):1162–4
[Sleep organization in normal premature newborn infants. Polygraphic study] Curzi-Dascalova L, et al.
Rev Electroencephalogr Neurophysiol Clin 1985 Dec; 15(3):237–42 (Eng. Abstr.) (Fre)
[The 4 second sleep spindle periodicity] Kubicki S, et al.
EEG EMG 1986 Jun;17(2):55–61 (Eng. Abstr.) (Ger)
[Nocturnal sleep studies of bruxism] Wieselmann G, et al.
EEG EMG 1986 Mar;17(1):32–6 (Eng. Abstr.) (Ger)
[The body's own sleep substance DSIP] Schneider-Helmert D. Schweiz Rundsch Med Prax 1985 Nov 19;74(47):1311–5 (Eng. Abstr.) (Ger)
[Character of electrocutaneous activity during the transition from wakefulness to sleep] Kandror IS, et al.
Fiziol Cheloveka 1986 Mar–Apr;12(2):296–300 (Rus)
[Somatosensory evoked potentials and their interhemispheric asymmetry during different stages of nocturnal sleep in healthy subjects and epilepsy] Biniaurishvili RG, et al.
Zh Vyssh Nerv Deiat 1985 Jul–Aug;35(4):641–8 (Eng. Abstr.) (Rus)

SLEEP TERROR DISORDER see **SLEEP DISORDERS**

SLIME BACTERIA see **MYXOBACTERALES**

SLIME MOLDS see **MYXOMYCOTA**

SLOTHS see under **EDENTATA**

SLOW ALPHA 2-MACROGLOBULINS see **ALPHA MACROGLOBULINS**

SLOW REACTING SUBSTANCE OF ANAPHYLAXIS see **SRS-A**

SLOW-REACTING SUBSTANCES

see related
NEUROREGULATORS

ANALYSIS

Substance P-like immunoreactivity is present in the central nervous system of Limulus polyphemus. Mancillas JR, et al. J Comp Neurol 1985 Aug 1;238(1):38–52

BLOOD

Tannin is the major agent present in cotton mill dust responsible for human platelet 5-hydroxytryptamine secretion and thromboxane formation. Rohrbach MS, et al. Lung 1986;164(4):187–97

IMMUNOLOGY

[Immunological implications of lipidic autacoids] Nechifor M, et al. Rev Med Chir Soc Med Nat Iasi 1985 Oct–Dec; 89(4):569–73 (0 ref.) (Rum)

METABOLISM

Release of slow reacting substance (SRS) from human leucocytes by lymphokine. Ezeamuzie IC, et al.
Int J Immunopharmacol 1985;7(4):533–42

PHARMACODYNAMICS

Effects of vasoactive autacoids on different segments of human umbilicoplacental vessels. Bjøro K, et al.
Gynecol Obstet Invest 1986;22(1):1–6
Characteristics of neuro-effector transmission in the smooth muscle layer of dog bronchiole and modifications by autacoids. Inoue T, et al. J Physiol (Lond) 1986 Jan; 370:551–65
Responses of subpopulations of human helper T cells to autacoids. Khan MM, et al. Proc West Pharmacol Soc 1985; 28:225–8

PHYSIOLOGY

[Humoral basis of acute inflammation] Lecomte J.
Rev Med Liege 1985 Dec 15;40(24):833–5 (Fre)

SECRETION

Histamine and slow reacting substance in acid-induced pneumonitis. Bone RC, et al.
Microcire Endothelium Lymphatics 1984 Jun;1(3):365–77

SLOW VIRUS DISEASES

"Slow infections"—a challenge to traditional conceptsDinn JJ. Ir Med J 1985 Oct;78(10):293–7
HTLV-I, visna, and tropical spastic paraparesis [letter] Montgomery RD. Lancet 1986 Jul 26;2(8500):227–8

COMPLICATIONS

Slow viruses, amyloidosis, and dementias [letter] Farrell MA. Lancet 1985 Oct 26;2(8461):957
Slow virus in Maseleni joint disease [letter] Nurse GT. Lancet 1985 Oct 5;2(8458):784
[Retinopathy in experimental amyotrophic leukospongiosis] Kolomiets ND, et al. Dokl Akad Nauk SSSR 1985; 285(6):1461–3 (Rus)

ETIOLOGY

The pathogenesis of slow virus infections: molecular analyses. Haase AT. J Infect Dis 1986 Mar;153(3):441–7

MICROBIOLOGY

Unconventional pathogens causing spongiform encephalopathies absent in blood products. Tateishi J, et al. J Med Virol 1985 May;16(1):11–5
[Characteristics of the etiological agent of human amyotrophic leukospongiosis] Votiakov VI, et al.
Vopr Virusol 1985 Nov–Dec;30(6):684–8 (Eng. Abstr.) (Rus)
[Isolation of a nonclassical virus and a study of its etiological role in human amyotrophic leukospongiosis] Kolomiets ND, et al. Zh Mikrobiol Epidemiol Immunobiol 1986 Jun; (6):42–6 (Eng. Abstr.) (Rus)

PATHOLOGY

Spongiform encephalopathy: a neurocytologist's viewpoint with a note on Alzheimer's disease. Gray EG.
Neuropathol Appl Neurobiol 1986 Mar–Apr;12(2):149–72
[Clinico-morphological study of transmissible encephalopathy of mink] Dukur II, et al. Vopr Virusol 1986 Mar–Apr;31(2):220–5 (Eng. Abstr.) (Rus)

TRANSMISSION

Safety of human growth hormone [letter] Taylor DM, et al. Lancet 1985 Oct 12;2(8459):837–8
[Reproduction of amyotrophic leukospongiosis in laboratory animals] Kolomiets ND, et al. Vopr Virusol 1986 Jan–Feb; 31(1):51–9 (Eng. Abstr.) (Rus)

SMALL NUCLEAR RNA see **RNA, SMALL NUCLEAR**

SMALLPOX

BLOOD

Possible changes in the frequency of the human ABO blood groups in Iceland due to smallpox epidemics selection. Adalsteinsson S. Ann Hum Genet 1985 Oct;49 (Pt 4):275–81

FAMILIAL & GENETIC

The group selection of variola minor in the Americas: an anthroponootic analogue for the myxomatosis epizootic in Australia. Johnson R. Med Hypotheses 1986 Apr; 19(4):341–4

HISTORY

Smallpox. "Most terrible of all the ministers of death"Magner LN. Int J Dermatol 1985 Sep;24(7):466–70
George Washington and variolation; Edward Jenner and vaccination [letter] Rabasa R. JAMA 1986 Apr 11; 255(14):1881
The conquest of smallpox. Booth C. Q J Med 1985 Dec; 57(224):811–23
[The slow start of smallpox prevention] Wolff JD.
Ned Tijdschr Geneeskd 1986 Mar 29;130(13):599–601 (Dut)
[Pictorial report of smallpox of the Medici Grand Duke Ferdinand II in the year 1626] Scholz A.
Dermatol Monatsschr 1985;171(10):654–9 (Eng. Abstr.) (Ger)

MICROBIOLOGY

The virology of variola minor. Correlation of laboratory tests with the geographic distribution and human virulence of variola isolates. Dumbell KR, et al. Am J Epidemiol 1986 Mar;123(3):403–15

PREVENTION & CONTROL

Smallpox and biological warfare: the case for abandoning vaccination of military personnel. Capps L, et al.
Am J Public Health 1986 Oct;76(10):1229–31
War or peace: smallpox and the use and abuse of public health [editorial] Sidel VW. Am J Public Health 1986 Oct; 76(10):1189–90
Immunization strategy [letter] Jain JK. Indian Pediatr 1985 Feb;22(2):167–70
Victory over smallpox: interview with Donald A. Henderson. Henderson DA. Popul Rep [L] 1986 Mar–Apr;(5):L172–3
Smallpox and eradication? [editorial] Forattini OP.
Rev Saude Publica 1985 Oct;19(5):385–8 (Eng, Por)

TRANSMISSION

Night of the living dead: could the mummy strike again? [letter] el-Mallakh RS. JAMA 1985 Dec 6;254(21):3038
[Danger to the human caused by animal poxvirus following discontinuation of mandatory vaccination against smallpox] Mayr A. Hautarzt 1985 Sep;36(9):493–5 (Eng. Abstr.) (Ger)

SMALLPOX VACCINE

Immunization strategy [letter] Jain JK. Indian Pediatr 1985 Feb;22(2):167–70

ADMINISTRATION & DOSAGE

[Danger to the human caused by animal poxvirus following discontinuation of mandatory vaccination against smallpox] Mayr A. Hautarzt 1985 Sep;36(9):493–5 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

Vaccinia virus persistence in a child against the background of immune deficiency. Gurvich EB, et al.
J Hyg Epidemiol Microbiol Immunol 1986;30(2):177–83
Possible relation of small pox vaccination to multiple sclerosis-like disease. A personal note. Ono F.
Med Hypotheses 1986 Jul;20(3):339–40

HISTORY

[The troublesome beginnings of smallpox prevention (letter)] Enditz LJ. Ned Tijdschr Geneeskd 1986 May 17; 130(20):929–30 (Dut)
[The slow start of smallpox prevention] Wolff JD.
Ned Tijdschr Geneeskd 1986 Mar 29;130(13):599–601 (Dut)

IMMUNOLOGY

[Relation between human erythrocytic polymorphism and immunologic reactivity to tetanus, typhoid and smallpox antigens] Veresh I, et al. Gematol Transfuziol 1985 Nov;

30(11):7–12 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

Smallpox vaccination and contact spread of vaccinia virus. **Bull Pan Am Health Organ** 1985;19(4):400–1

SMALLPOX VIRUS

GENETICS

Can variola-like viruses be derived from monkeypox virus? An investigation based on DNA mapping. Esposito JJ, et al. **Bull WHO** 1985;63(4):695–703

Recombinant bacterial plasmids containing inserts of variola DNA [letter] Hamilton A, et al. **Lancet** 1985 Dec 14; 2(8468):1356–7

ISOLATION & PURIFICATION

Intact smallpox virus particles in an Italian mummy of sixteenth century [letter] Fornaciari G, et al. **Lancet** 1986 Sep 13;2(8507):625

PATHOGENICITY

The virology of variola minor. Correlation of laboratory tests with the geographic distribution and human virulence of variola isolates. Dumbell KR, et al. **Am J Epidemiol** 1986 Mar;123(3):403–15

[Malignant cell transformation in rats in vitro as affected by the variolovaccine virus] Merekalova ZI, et al. **Eksp Onkol** 1985;7(6):20–3 (Eng. Abstr.) (Rus)

SMELL

see related
ANOSMIA
ODORS

Odor thresholds and irritation levels of several chemical substances: a review. Ruth JH. **Am Ind Hyg Assoc J** 1986 Mar;47(3):A142–51

Cross-modal identification: effects of contingent changes in the stimulus series. Gregson RA, et al. **Biol Cybern** 1985; 52(4):247–58

Olfactory deficits and Alzheimer's disease. Warner MD, et al. **Biol Psychiatry** 1986 Jan;21(1):116–8

Olfactory environment and coitus-induced ovulation and/or luteinization in the cyclic female rat. Antz-Vaxman M, et al. **Biol Reprod** 1986 Feb;34(1):237–43

Impairment of olfactory recognition after closed head injury. Levin HS, et al. **Brain** 1985 Sep;108 (Pt 3):579–91

Recognition of maternal axillary odors by infants. Cernoch JM, et al. **Child Dev** 1985 Dec;56(6):1593–8

Quantitative analysis on discrimination of various odorants at receptor sites of the frog olfactory cell revealed by a cross adaptation method. Ohno T, et al. **Comp Biochem Physiol [A]** 1985;82(1):153–9

Olfactory receptor cell responses of pigeon to some odors. Tonosaki K, et al. **Comp Biochem Physiol [A]** 1985; 81(2):329–33

Conditioning of aversion to alcohol orosensory cues in 5- and 10-day rats: subsequent reduction in alcohol ingestion. Molina JC, et al. **Dev Psychobiol** 1986 May;19(3):175–83

Comparison of the olfactory responses to amino acids obtained from receptor and bulbar levels in a marine teleost. Kobayashi H, et al. **Exp Biol** 1985;44(3):199–210

Theory and methods for odor evaluation. Berglund B, et al. **Experientia** 1986 Mar 15;42(3):280–7 (104 ref.)

Effect of transection of the vomeronasal nerve on the male-induced implantation failure (the Bruce effect) in mice. Rajendren G, et al. **Indian J Exp Biol** 1985 Nov; 23(11):635–7

Role of olfactory experience in pheromonal block to implantation (the Bruce effect) in laboratory mice. Sahu SC, et al. **Indian J Exp Biol** 1985 Sep;23(9):485–9

Olfaction in leprosy. Chaturvedi VN, et al. **Indian J Lepr** 1985 Oct–Dec;57(4):814–9

Sensory control of maternal aggression in Rattus norvegicus. Ferreira A, et al. **J Comp Psychol** 1986 Jun;100(2):173–7

Responsiveness to estrous chemostimuli in male rats (Rattus norvegicus) of different ages. Fillion TJ, et al. **J Comp Psychol** 1985 Sep;99(3):328–35

Sex differences in urinary odors produced by young laboratory rats (Rattus norvegicus). Moore CL. **J Comp Psychol** 1985 Sep;99(3):336–41

Development of responsiveness to conspecific scent in house mice: effects of preweaning and postweaning experiences. Wuensch KL. **J Gen Psychol** 1986 Jan;113(1):65–73

Smell and other sensory disturbances in migraine. Blau JN, et al. **J Neurol** 1985;232(5):275–6

Effect of color on judgments of food aroma and flavour intensity in young and elderly adults. Christensen CM. **Perception** 1985;14(6):755–62

Identification of single dissimilar odors is achieved by humans with a single sniff. Laing DG. **Physiol Behav** 1986; 37(1):163–70

Vomeronasal organ removal before sexual experience impairs male hamster mating behavior. Meredith M. **Physiol Behav** 1986;36(4):737–43

Odor identification: the blind are better. Murphy C, et al. **Physiol Behav** 1986;37(1):177–80

Female discrimination of male dominance by urine odor cues in hamsters. White PJ, et al. **Physiol Behav** 1986;37(2):273–7

An approach to an artificial nose. Persaud KC, et al. **Trans Am Soc Artif Intern Organs** 1985;31:297–300

[Smell allergy to egg (a clinical case)] Priego Feria O, et al. **Alergia** 1986 Apr–Jun;33(2):47–9 (Eng. Abstr.) (Spa)

DRUG EFFECTS

Learned alcohol aversions in rats: gustatory and olfactory components. Kiefer SW, et al. **Alcohol** 1986 Jan–Feb; 3(1):27–31

Multipup homing: a rapid test for olfactory discrimination in neonatal rats. West GL, et al. **Neurobehav Toxicol Teratol** 1986 May–Jun;8(3):293–6

Effects of fluprazine hydrochloride on conspecific odor preferences in rats. Kemble ED, et al. **Physiol Behav** 1986; 37(1):53–6

PHYSIOLOGY

Olfaction. Valcke H. **Acta Otorhinolaryngol Belg** 1986; 40(1):97–119

Identifying normosmics: a comparison of two populations. Heywood PG, et al. **Am J Otolaryngol** 1986 May–Jun; 7(3):194–9

Olfactory ability as a function of nasal air flow volume in laryngectomees. Tatchell RH, et al. **Am J Otolaryngol** 1985 Nov–Dec;6(6):426–32

Effect of airway resistance on perceived odor intensity. Youngentob SL, et al. **Am J Otolaryngol** 1986 May–Jun; 7(3):187–93

Thresholds of the dog for detection of inhaled eugenol and benzaldehyde determined by electroencephalographic and behavioral olfactometry. Myers LJ, et al. **Am J Vet Res** 1985 Nov;46(11):2409–12

Vertebrate olfactory reception. Lancet D. **Annu Rev Neurosci** 1986;9:329–55 (159 ref.)

Changes in olfactory acuity induced by total inferior turbinectomy. Ophir D, et al. **Arch Otolaryngol Head Neck Surg** 1986 Feb;112(2):195–7

On the ability of rats to discriminate between microstimulations of the olfactory bulb in different locations. Mouly AM, et al. **Behav Brain Res** 1985 Sep; 17(1):45–58

Respiration and olfactory bulb unit activity in the unrestrained rat: statements and reappraisals. Pager J. **Behav Brain Res** 1985 Aug;16(2–3):81–94

Chemosensory elements of courtship in normal and mutant, olfaction-deficient Drosophila melanogaster. Gailey DA, et al. **Behav Genet** 1986 May;16(3):375–405

Disruption of neophobia, conditioned odor aversion, and conditioned taste aversion in rats with hippocampal lesions. Miller JS, et al. **Behav Neural Biol** 1986 Mar;45(2):240–53

Chemical dependencies of learning in the rabbit olfactory bulb: acquisition of the transient spatial pattern change depends on norepinephrine. Gray CM, et al. **Behav Neurosci** 1986 Aug;100(4):585–96

Behaviorally functional opioid systems in infant rats: I. Evidence for olfactory and gustatory classical conditioning. Kehoe P, et al. **Behav Neurosci** 1986 Jun;100(3):359–67

Odorant- and guanine nucleotide-stimulated phosphoinositide turnover in olfactory cilia. Huque T, et al. **Biochem Biophys Res Commun** 1986 May 29; 137(1):36–42

Low parotid saliva calmodulin in patients with taste and smell dysfunction. Law JS, et al. **Biochem Med Metab Biol** 1986 Aug;36(1):118–24

Olfactory dysfunction in man: anatomical and behavioral aspects. Eslinger PJ, et al. **Brain Cogn** 1982 Jul;1(3):259–85 (105 ref.)

Unilateral odor deprivation: effects on the development of olfactory bulb catecholamines and behavior. Brunjes PC, et al. **Brain Res** 1985 Sep;354(1):1–6

Odor specificity of the enhanced neural response following early odor experience in rats. Coopersmith R, et al. **Brain Res** 1986 Jun;392(1–2):191–7

Evidence for non-receptor odor discrimination using neuroblastoma cells as a model for olfactory cells. Kashiwayanagi M, et al. **Brain Res** 1985 Dec 16; 359(1–2):97–103

Masera's organ responds to odorants. Marshall DA, et al. **Brain Res** 1986 Feb 26;366(1–2):329–32

Changes in granule cells of the ferret olfactory bulb associated with imprinting on prey odours. Rehn B, et al. **Brain Res** 1986 May 14;373(1–2):114–25

Nasal trigeminal chemoreception: responses to n-aliphatic alcohols. Silver WL, et al. **Brain Res** 1986 Jun 25; 376(2):221–9

Modulation by prostaglandin D2 of mitral cell responses to odor stimulation in rabbit olfactory bulb. Watanabe Y, et al. **Brain Res** 1986 Jul 23;378(2):216–22

Odor familiarity alters mitral cell response in the olfactory bulb of neonatal rats. Wilson DA, et al. **Brain Res** 1985 Oct;354(2):314–7

Odors, aerosols, laminar air flow, and electrostatics. Frey AH. **Bull Environ Contam Toxicol** 1986 May;36(5):701–6

Social facilitation of eclosion in the fire ant, Solenopsis invicta. Lamon B, et al. **Dev Psychobiol** 1985 Sep; 18(5):367–74

Maturation of olfactory exploration in golden hamsters. Schoenfeld TA, et al. **Dev Psychobiol** 1985 Nov; 18(6):515–28

Reactions of olfactory bulb neurons to different stimulus intensities in laboratory mice. Reinken U, et al. **Exp Brain Res** 1986;63(1):151–7

The biology of olfaction. **Experientia** 1986 Mar 15; 42(3):211–91

Odor-guided behavior in mammals. Doty RL. **Experientia** 1986 Mar 15;42(3):257–71 (212 ref.)

Speculations on receptor cells as analyzers and filters. Gesteland RC. **Experientia** 1986 Mar 15;42(3):287–91 (48 ref.)

Axillary 5 alpha-androst-16-en-3-one in men and women: relationships with olfactory acuity to odorous 16-androstenes. Gower DB, et al. **Experientia** 1985 Sep 15;41(9):1134–6

Bacterial chemotaxis and vertebrate olfaction. Kleene SJ. **Experientia** 1986 Mar 15;42(3):241–50 (144 ref.)

Ontogeny of the olfactory code. Mair RG. **Experientia** 1986 Mar 15;42(3):213–23 (80 ref.)

Chemistry of odor stimuli. Ohloff G. **Experientia** 1986 Mar 15;42(3):271–9 (81 ref.)

Neural correlates of odor-guided behaviors. Pager J. **Experientia** 1986 Mar 15;42(3):250–6 (49 ref.)

CO2 sensitive receptors on labial palps of Rhodogastria moths (Lepidoptera: Arctiidae): physiology, fine structure and central projection. Bogner F, et al. **J Comp Physiol [A]** 1986 Jun;158(6):741–9

The contribution of the olfactory and tactile modalities to the nipple-search behaviour of newborn rabbits. Distel H, et al. **J Comp Physiol [A]** 1985 Nov;157(5):599–605

Ontogenetic development of neural responses in the olfactory bulb of laboratory mice. Schäfer HJ, et al. **J Comp Physiol [A]** 1985 Dec;157(6):789–96

Normal olfactory discrimination learning set and facilitation of reversal learning after medial-temporal damage in rats: implications for an account of preserved learning abilities in amnesia. Eichenbaum H, et al. **J Neurosci** 1986 Jul; 6(7):1876–84

The widespread influence of olfaction. Brown IA. **J Neurosurg Nurs** 1985 Oct;17(5):273–9

Quantitative assessment of olfactory function in an industrial setting. Doty RL, et al. **J Occup Med** 1986 Jun;28(6):457–60

Antigonadal actions of olfactory and light deprivation. II. Effects of pinealectomy or melatonin injections in olfactory bulb deafferented or bulbectomized male rats. Mediavilla MD, et al. **J Pineal Res** 1985;2(2):191–200

Antigonadal actions of olfactory and light deprivation. I. Effects of blindness combined with olfactory bulb deafferentation, transection of vomeronasal nerves, or bulbectomy. Sánchez-Barceló EJ, et al. **J Pineal Res** 1985; 2(2):177–90

Sex differences in odor identification ability: a cross-cultural analysis. Doty RL, et al. **Neuropsychologia** 1985; 23(5):667–72

Odor psychophysics in vertebrates. Passe DH, et al. **Neurosci Biobehav Rev** 1985 Fall;9(3):431–67 (128 ref.)

Evoked olfactory responses in neonatal rats. Gregory EH. **Percept Mot Skills** 1985 Dec;61(3 Pt 2):1023–9

Testing a perceptual constancy model for odor strength: the effects of sniff pressure and resistance to sniffing. Teghtsoonian R, et al. **Perception** 1984;13(6):743–52

Hormonal control of the perception of the olfactory signals which facilitate lordosis behavior in the male rat. Chabli A, et al. **Physiol Behav** 1985 Nov;35(5):729–34

Respiratory-phase-related coding of olfactory information in the olfactory bulb of awake freely-breathing rabbits. Chaput MA. **Physiol Behav** 1986;36(2):319–24

Responses to novel odors mediate maternal behavior and concaveation in gerbils. Clark MM, et al. **Physiol Behav** 1986;36(5):845–51

Responses to conspecifics' urine by the degu (Octodon degus). Fischer RB, et al. **Physiol Behav** 1985 Jun; 34(6):999–1001

Olfactory acuity in the common raven (Corvus corax). Harriman AE, et al. **Physiol Behav** 1986;36(2):257–62

Pheromonal release of suckling in rabbits does not depend on the vomeronasal organ. Hudson R, et al. **Physiol Behav** 1986;37(1):123–8

Olfaction and behavioral modification in domestic chicks (Gallus domesticus). Jones RB, et al. **Physiol Behav** 1985 Jun;34(6):917–24

Mouse vomeronasal organ: effects on chemosignal production and maternal behavior. Lepri JJ, et al. **Physiol Behav** 1985 Nov;35(5):809–14

Mediation of male mouse urine marking and aggression by the vomeronasal organ. Maruniak JA, et al. **Physiol Behav** 1986;37(4):655–7

Vomeronasal organ cannulation in male goats: evidence for transport of fluid from oral cavity to vomeronasal organ during flehmen. Melese-d'Hospital PY, et al. **Physiol Behav** 1985 Dec;35(6):941–4

Influence of female odors on lateral hypothalamus in the male rat. Semiquantitative deoxyglucose analysis. Orsini JC, et al. **Physiol Behav** 1985 Oct;35(4):509–16

Resident's scent: a critical factor in acute analgesic reaction to defeat experience in male mice. Rodgers RJ, et al. **Physiol Behav** 1986;37(2):317–22

Copulatory behavior of sexually naive and sexually experienced male rats following removal of the vomeronasal organ. Saito TR, et al. **Physiol Behav** 1986; 37(3):507–10

Aging and the perception of nasal irritation. Stevens JC, et al. **Physiol Behav** 1986;37(2):323–8

Olfactory GTP-binding protein: signal-transducing polypeptide of vertebrate chemosensory neurons. Pace U,

et al. **Proc Natl Acad Sci USA** 1986 Jul;83(13):4947–51

Odorant–binding protein: localization to nasal glands and secretions. Pevsner J, et al. **Proc Natl Acad Sci USA** 1986 Jul;83(13):4942–6

Role of the vomeronasal organ on the estral cycle reduction by pheromones in the rat. Mora OA, et al. **Rev Esp Fisiol** 1985 Sep;41(3):305–10

[Odor and smell] Dekking F. **Ned Tijdschr Geneeskd** 1986 May 10;130(19):876–9 (Dut)

[Origin of olfactory and rhinosensory evoked cortical potentials in diseases of the central nervous system] Westhofen M, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Aug;64(8):378–87 (Eng. Abstr.) (Ger)

[Recent advances in olfaction] Ophir D, et al. **Harefuah** 1986 Jan 1;110(1):1–6 (Eng. Abstr.) (Heb)

[Role of smell in the food-seeking activity of newborn puppies] Kassil' VG, et al. **Fiziol Zh SSSR** 1986 Apr; 72(4):437–44 (Eng. Abstr.) (Rus)

[Change in the status of sensory inputs into the secondary neurons of the olfactory bulb in response to adequate stimulation] Voronkov GS, et al. **Fiziol Zh SSSR** 1985 Oct; 71(10):1207–13 (Rus)

[Functional status of the olfactory analyzer in a sealed cabin environment] Pashin SS, et al. **Kosm Biol Aviakosm Med** 1985 Jul–Aug;19(4):90–2 (Rus)

[Olfactory rhythm in the electrical activity of the amygdaloid nucleus of the human brain] Ganzha BL. **Neirofiziologiia** 1986;18(1):61–9 (Eng. Abstr.) (Rus)

[Reactivity of neurons of the orbito-frontal cortex of the cat during exposure to the scent or sight of food] Belenkov NIu, et al. **Zh Vyssh Nerv Deiat** 1985 Jul–Aug;35(4):674–7 (Eng. Abstr.) (Rus)

SMILING see under FACIAL EXPRESSION

SMOG

Bactericidal effects of photochemical smog constituents produced by a flow reactor. III. Communication: determination of mutagenic effects of photochemical smog on E. coli K 12 343/113. Nover H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Jun; 181(1–2):71–80

[Smog episodes. Environmental health and medical aspects] **Schriftenr Ver Wasser Boden Lufthyg** 1986;69:1–285 (Ger)

ADVERSE EFFECTS

Mass psychogenic systemic illness in school children in relation to the Tokyo photochemical smog. Araki S, et al. **Arch Environ Health** 1986 May–Jun;41(3):159–62

[Pseudocroup study of the Institute of Water, Soil and Air Public Health in Berlin] Englert N. **Schriftenr Ver Wasser Boden Lufthyg** 1986;69:217–29 (Ger)

[Psychosomatic effects of smog alarm] Guski R. **Schriftenr Ver Wasser Boden Lufthyg** 1986;69:275–82 (Ger)

[Study of Berlin school children] Havestadt C, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1986;69:267–74 (Ger)

[Acute effect of suspended dust] von Nieding G. **Schriftenr Ver Wasser Boden Lufthyg** 1986;69:163–75 (Ger)

[Current pseudocroup studies in Northern Rhine and Westphalia] Wichmann HE. **Schriftenr Ver Wasser Boden Lufthyg** 1986;69:231–50 (Ger)

ANALYSIS

Microbial decomposition of smog organic pollutants. Margaris NS, et al. **Bull Environ Contam Toxicol** 1986 Jan; 36(1):15–22

Peroxybenzoylnitrate: measurements in smog chambers and in urban air. Fung K, et al. **Sci Total Environ** 1985 Nov; 46:29–40

[Effects of smog weather conditions on the emission status in traffic areas] Deimel M. **Schriftenr Ver Wasser Boden Lufthyg** 1986;69:129–42 (Ger)

[Initial pollution caused by distant sources in smog episodes] Fett W. **Schriftenr Ver Wasser Boden Lufthyg** 1986; 69:55–77 (Ger)

[Distribution of particle size and quality of suspended dust in smog episodes] Israël G. **Schriftenr Ver Wasser Boden Lufthyg** 1986;69:93–105 (Ger)

[Pollution of the outdoor air. Sources, emissions, trends, smog episodes, transportation, areas of concentration] Lahmann E. **Schriftenr Ver Wasser Boden Lufthyg** 1985;65:9–17 (Ger)

[Measurement of suspended dust in smog episodes] Laskus L, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1986; 69:79–91 (Ger)

[Air pollutants of indoor air with reference to the status in smog weather conditions] Seifert B. **Schriftenr Ver Wasser Boden Lufthyg** 1986;69:143–52 (Ger)

PREVENTION & CONTROL

[The 1984 model smog regulation—tasks, principles, changes] Hasse A. **Schriftenr Ver Wasser Boden Lufthyg** 1986; 69:107–12 (Ger)

[Smog episodes in Berlin since 1960] Lenschow P. **Schriftenr Ver Wasser Boden Lufthyg** 1986;69:113–8 (Ger)

[Smog episodes in the Ruhr district since 1980] Schmitt OA. **Schriftenr Ver Wasser Boden Lufthyg** 1986;69:119–27 (Ger)

[Effects of emission criteria of the Northern Rhine and Westphalia smog regulation on the smog statute 1985—a discussion] Wichmann HE. **Schriftenr Ver Wasser Boden Lufthyg** 1986;69:251–65 (Ger)

SMOKE

Cigarette smoke induced changes in rat pulmonary clearance of 99mTcDTPA. A comparison of particulate and gas phases. Minty BD, et al. **Am Rev Respir Dis** 1985 Dec; 132(6):1170–3

Pulmonary macrophage mobilization in cigarette smoke–exposed mice after halothane anesthesia. Hegab ES, et al. **Anesth Analg** 1986 Jan;65(1):37–45

The effect of smoke generation and manipulation variables on the cytotoxicity of mainstream and sidestream cigarette smoke to monolayer cultures of L–929 cells. Sonnenfeld G, et al. **Arch Toxicol** 1985 Dec;58(2):120–2

Cigarette smoke impairs endothelial cell prostacyclin production. Reinders JH, et al. **Arteriosclerosis** 1986 Jan–Feb;6(1):15–23

Cigarette smoke–induced alterations in the release of arachidonate metabolites by pulmonary alveolar macrophage from selenium–fed and selenium–deficient rats. Gairola CG, et al. **Biochem Pharmacol** 1986 Jul 15; 35(14):2423–8

Kinetics of the metal components of intratracheally instilled stainless steel welding fume suspensions in rats. Kalliomäki PL, et al. **Br J Ind Med** 1986 Feb;43(2):112–9

Smoke alarms in the home: what every physician should know. Sultan MA, et al. **Can Med Assoc J** 1985 Dec 15; 133(12):1207–10

The inactivation of alpha–1–proteinase inhibitor by gas–phase cigarette smoke: protection by antioxidants and reducing species. Pryor WA, et al. **Chem Biol Interact** 1986 Mar; 57(3):271–83

Protective action of thiols on neutrophil function. Bridges RB. **Eur J Respir Dis [Suppl]** 1985;139:40–8

A method to label cigarette smoke with 99mTc. McNamee JE, et al. **Health Phys** 1985 Dec;49(6):1189–92

Unscheduled DNA synthesis in human lymphocytes treated with cigarette smoke condensate and its semivolatile fraction. Jansson T. **Hereditas** 1985;103(2):201–4

Effects of cigarette smoke fractions on the chemotaxis of polymorphonuclear leukocytes. Bridges RB, et al. **J Leukocyte Biol** 1986 Jul;40(1):73–85

Smoke exposure in pipe and cigar smokers. Serum thiocyanate measures. Pechacek TF, et al. **JAMA** 1985 Dec 20;254(23):3330–2

Prevalence of smoke detectors in private residences—DeKalb County, Georgia, 1985. **MMWR** 1986 Jul 18;35(28):445–8

Inhibitory effects of the phorbolester TPA and cigarette smoke condensate on the mutagenicity of benzo[a]pyrene in a co–cultivation system. Jongen WM, et al. **Mutat Res** 1986 Jan–Feb;159(1–2):133–8

Antimutagenic activity of some naturally occurring compounds towards cigarette–smoke condensate and benzo[a]pyrene in the Salmonella/microsome assay. Terwel L, et al. **Mutat Res** 1985 Oct;152(1):1–4

Cigarette smoke extracts, but not nicotine, inhibit prostacyclin (PGI2) synthesis in human, rabbit and rat vascular tissue. Jeremy JY, et al. **Prostaglandins Leukotrienes Med** 1985 Sep;19(3):261–70

Increase of serum angiotensin–converting enzyme level after exposure to cigarette smoke and nicotine infusion in dogs. Sugiyama Y, et al. **Respiration** 1986;49(4):292–5

Free lung cell response of mice and rats to mainstream cigarette smoke exposure. Gairola CG. **Toxicol Appl Pharmacol** 1986 Jul;84(3):567–75

[Effects of the gas phase of cigarette smoke on the induction of the petite colony mitochondrial mutation by ethidium bromide in yeast] Fayeulle JP. **Mutat Res** 1985 Oct–Nov; 158(1–2):69–75 (Eng. Abstr.) (Fre)

[Importance of aryl hydrocarbon hydroxylase in laryngeal oncogenesis. Preliminary data] Sartoris A, et al. **Acta Otorhinolaryngol Ital** 1985 Nov–Dec;5(6):579–87 (Eng. Abstr.) (Ita)

[Effect of tobacco smoke on pH, serum antiprotease capacity and trypsin activity in vitro studies] Nowak D, et al. **Pol Tyg Lek** 1985 Dec 2;40(48):1341–4 (Eng. Abstr.) (Pol)

ADVERSE EFFECTS

Mecamylamine pretreatment counteracts cigarette smoke induced changes in hypothalamic catecholamine neuron systems and in anterior pituitary function. Andersson K. **Acta Physiol Scand** 1985 Nov;125(3):445–52

Acute continuous exposure to cigarette smoke produces discrete changes in cholecystokinin and substance P levels in the hypothalamus and preoptic area of the male rat. Puxe K, et al. **Acta Physiol Scand** 1985 Nov;125(3):437–43

Cigarette smoke increases the penetration of asbestos fibers into airway walls. McFadden D, et al. **Am J Pathol** 1986 Apr;123(1):95–9

Augmentation of elastase–induced emphysema by cigarette smoke. Description of a model and a review of possible mechanisms. Kimmel EC, et al. **Am Rev Respir Dis** 1985 Oct;132(4):885–93

Tobacco smoke sensitivity: a result of allergy? Lehrer SB, et al. **Ann Allergy** 1986 May;56(5):369–81

Selenium mediated reduction of the toxicity expression of cigarette smoke condensate in Photobacterium phosphoreum. Yates IE, et al. **Bull Environ Contam Toxicol** 1986 Feb;36(2):278–85

Rat lung macrophage tumor cytotoxin production: impairment by chronic in vivo cigarette smoke exposure. Flick DA, et al. **Cancer Res** 1985 Nov;45(11 Pt 1):5225–9

Effect of sidestream and mainstream smoke exposure on in vitro interferon–alpha/beta production by L–929 cells. Sonnenfeld G, et al. **Cancer Res** 1986 Jun;46(6):2779–83

Zinc chloride (smoke bomb) inhalational lung injury. Matarese SL, et al. **Chest** 1986 Feb;89(2):308–9

Effects of cigarette smoke and dietary vitamin E levels on selected lung and hepatic biotransformation enzymes in mice. Graziano MJ, et al. **Drug Nutr Interact** 1985; 3(4):213–22

Cigarette smoke and N–acetylcysteine: interference with the bactericidal properties of serum. Marca G, et al. **Drugs Exp Clin Res** 1985;11(1):63–8

Free–radical chemistry of cigarette smoke and its toxicological implications. Church DF, et al. **Environ Health Perspect** 1985 Dec;64:111–26

Mutagenicity of the fractionated organic emissions from diesel, cigarette smoke condensate, coke oven, and roofing tar in the Ames assay. Austin AC, et al. **Environ Mutagen** 1985;7(4):471–87

Metabolic activation of organic extracts from diesel, coke oven, roofing tar, and cigarette smoke emissions in the Ames assay. Williams K, et al. **Environ Mutagen** 1985; 7(4):489–500

Mechanisms of tobacco smoke toxicity on pulmonary macrophage cells. Green GM. **Eur J Respir Dis [Suppl]** 1985;139:82–5

Pharmacoprevention of tobacco smoke effects on macrophage cells. Green GM. **Eur J Respir Dis [Suppl]** 1985;139:113–6

Discussion on smoke and mucociliary transport. Hee J, et al. **Eur J Respir Dis [Suppl]** 1985;139:86–8

Effect of oral acetylcysteine on tobacco smoke–induced secretory cell hyperplasia. Jeffery PK, et al. **Eur J Respir Dis [Suppl]** 1985;139:117–22

N–acetylcysteine protection against the toxicity of cigarette smoke and cigarette smoke condensates in various tissues and cells in vitro. Moldéus P, et al. **Eur J Respir Dis [Suppl]** 1985;139:123–9

The inhibitory effect of tobacco smoke compound on ciliary activity. Pettersson B, et al. **Eur J Respir Dis [Suppl]** 1985; 139:89–92

Protective action of sulfur compounds against aldehyde toxicants of cigarette smoke. Sprince H. **Eur J Respir Dis [Suppl]** 1985;139:102–12

Acute effects of tobacco smoke on alveolar macrophages cultured in gas phase. Voisin C, et al. **Eur J Respir Dis [Suppl]** 1985;139:76–81

Inhibition by oral N–acetylcysteine of cigarette smoke–induced "bronchitis" in the rat.Rogers DF, et al. **Exp Lung Res** 1986;10(3):267–83

Inhibition of cigarette smoke–induced airway secretory cell hyperplasia by indomethacin, dexamethasone, prednisolone, or hydrocortisone in the rat. Rogers DF, et al. **Exp Lung Res** 1986;10(3):285–98

Indomethacin and flurbiprofen speed recovery of rat bronchial epithelium after exposure to cigarette smoke. Rogers DF, et al. **Exp Lung Res** 1986;10(3):299–312

Comparison of mutagenicity of Indian cigarettes and bidi smoke condensates. Shirname LP, et al. **Indian J Exp Biol** 1985 Mar;23(3):145–8

Alterations in prostacyclin and thromboxane formation by chronic cigarette smoke exposure: temporal relationships and whole smoke vs. gas phase. Lubawy WC, et al. **J Appl Toxicol** 1986 Apr;6(2):77–80

Effects of low–yield–cigarette smoke inhalation on rat lung macrophages. Gonzalez–Rothi RJ, et al. **J Toxicol Environ Health** 1986;17(2–3):221–8

Chronic inhalation studies in mice. II. Effects of long–term exposure to 2R1 cigarette smoke on (C57BL/Cum x C3H/AnfCum)F1 mice. Henry CJ, et al. **JNCI** 1986 Jul; 77(1):203–12

Chronic cigarette sidestream smoke exposure increases rat trachea ornithine decarboxylase activity. Olson JW. **Life Sci** 1985 Dec 9;37(23):2165–71

Mutagenicity of the particulates in smoke sauna air during heating and bathing: physiological properties, and comparison to other sources of mutagenic respiratory doses. Jantunen MJ, et al. **Prog Clin Biol Res** 1986; 209B:41–8

Domestic smoke pollution and respiratory function in rural Nepal. Pandey MR, et al. **Tokai J Exp Clin Med** 1985 Aug; 10(4):471–81

Effects of cigarette smoke and 3–methylcholanthrene on the disposition of phencyclidine and its N–ethylamine analogue in the isolated perfused lung of rats. Law FC, et al.

Toxicology 1985 Dec;37(3-4):275-84
[Toxicity of volatile thermal degradation products of conveyer belts studied in guinea pigs] Paff J, et al.
Med Pr 1986;37(2):73-80 (Eng. Abstr.) (Pol)

ANALYSIS

Cadmium and lead in cigarettes and in smoke condensate. Ivičić N, et al. Arh Hig Rada Toksikol 1985 Jun; 36(2):157-64
Absorption of cholesterol and beta-sitosterol from cigarette smoke in Macaca mulatta. Malinow MR, et al. Atherosclerosis 1986 Apr;60(1):15-21
An in vivo radiotracer method to allow for cigarette filter ventilation during smoking. Woodman G, et al. Clin Phys Physiol Meas 1985 Nov;6(4):361-4
Methods of reduction of harmful constituents in bidi smoke. Pakhale SS, et al. Indian J Chest Dis Allied Sci 1985 Jul-Sep;27(3):148-52
Chemistry of tobacco and tobacco smoke in chutta--a homemade cigar: a preliminary study. Malik SK, et al. Int J Clin Pharmacol Ther Toxicol 1985 Nov;23(11):604-5
Liquid chromatographic determination of benzo[a]pyrene in total particulate matter of cigarette smoke. Tomkins BA, et al. J Assoc Off Anal Chem 1985 Sep-Oct;68(5):935-40
Inactivation of alveolar macrophage transglutaminase by oxidants in cigarette smoke. Roth WJ, et al. J Leukocyte Biol 1986 Jun;39(6):629-44
Cadmium and nickel in mainstream particulates of cigarettes containing tobacco grown on a low-cadmium soil-sludge mixture. Bache CA, et al. J Toxicol Environ Health 1985; 16(3-4):547-52
Detection of 2-amino-3-methylimidazo[4,5-f]quinoline in cigarette smoke condensate. Yamashita M, et al. Jpn J Cancer Res 1986 May;77(5):419-22
Lung cancer: is fluoride in cigarette smoke an etiological factor? Sutton PR. Med Hypotheses 1986 May;20(1):51
In vitro studies of biological effects of cigarette smoke condensate. II. Induction of sister-chromatid exchanges in human lymphocytes by weakly acidic, semivolatile constituents. Jansson T, et al. Mutat Res 1986 Mar; 169(3):129-39
Influence of retinoids on the mutagenicity of cigarette-smoke condensate in Salmonella typhimurium TA98. Wilmer JW, et al. Mutat Res 1986 Jan;173(1):9-11
Estimates of maximum or average cigarette tar, nicotine, and carbon monoxide yields can be obtained from yields under standard conditions. Rickert WS, et al. Prev Med 1986 Jan; 15(1):82-91
[Gunshot smoke study in relation to type of munition with lead-free powder smoke] Lichtenberg W.
Beitr Gerichtl Med 1985;43:293-300 (Eng. Abstr.) (Ger)

PREVENTION & CONTROL

The useful smoke sucker [letter] Thorne FL.
Plast Reconstr Surg 1986 Mar;77(3):500-1

SMOKE INHALATION see BURNS, INHALATION

SMOKING

see related
TOBACCO USE DISORDER

The value of provoked expectoration in obtaining sputum samples for cytologic investigation. A prospective, consecutive and controlled investigation of 134 patients. Pedersen B, et al. Acta Cytol (Baltimore) 1985 Sep-Oct; 29(5):750-2
Smoking and health in old age. A ten-year follow-up study. Agner E. Acta Med Scand 1985;218(3):311-6
Distribution of high density lipoprotein cholesterol according to relative body weight, cigarette smoking and leisure time physical activity. The Cardiovascular Disease Study in Finnmark 1977. Førde OH, et al. Acta Med Scand 1986; 219(2):167-71
Cessation of cigarette smoking and body weight increase. Rössner S. Acta Med Scand 1986;219(1):1-2
Tobacco-alcohol amblyopia neuro-ophthalmological findings and clinical course. Krumsiek J, et al. Acta Neurol Scand 1985 Aug;72(2):180-7
Long-term treatment with combined oral contraceptives and cigarette smoking associated with impaired activity of tissue plasminogen activator. Kjaeldgaard A, et al. Acta Obstet Gynecol Scand 1986;65(3):219-22
A prospective study of drug use, smoking and contraceptives during early pregnancy. Sandahl B. Acta Obstet Gynecol Scand 1985;64(5):381-6
Effect of non-surgical treatment on gingival bleeding in smokers and non-smokers. Preber H, et al. Acta Odontol Scand 1986 Apr;44(2):85-9
Occurrence of gingival bleeding in smoker and non-smoker patients. Preber H, et al. Acta Odontol Scand 1985 Oct; 43(5):315-20
Atherosclerosis precursors in Finnish children and adolescents. XII. Smoking behaviour and its determinants in 12-18-year-old subjects. Byckling T, et al. Acta Paediatr Scand [Suppl] 1985;318:195-203
The saliva thiocyanate analysis: a methodological extension and its relationship to CO and self-report in moderate smokers. Abueg FR, et al. Addict Behav 1986;11(1):55-8
Smoking topography and carbon monoxide levels in smokers. Burling TA, et al. Addict Behav 1985;10(3):319-23
Effects of graded smoke inhalation on subsequent cigarette smoking behavior. Chait LD, et al. Addict Behav 1985; 10(3):273-80
Young children's understanding of smoking. Eiser C, et al. Addict Behav 1986;11(2):119-23
"Sick" or "hooked": smokers' perceptions of their addiction. Eiser JR, et al. Addict Behav 1986;11(1):11-5
Reactions to withdrawal symptoms and success in smoking cessation clinics. Gunn RC. Addict Behav 1986;11(1):49-53
Self-initiated smoking cessation among high school students. Hansen WB, et al. Addict Behav 1985;10(3):265-71
Smoking, health behavior, and values: a replication, refinement, and extension. Kristiansen CM. Addict Behav 1985;10(3):325-8
Alcohol increases cigarette smoking: a laboratory demonstration. Mintz J, et al. Addict Behav 1985; 10(3):203-7
Smoking as a coping strategy. Revell AD, et al. Addict Behav 1985;10(3):209-24
Assessment of smoking urge and its concomitants under an environmental smoking cue manipulation. Rickard-Figueroa K, et al. Addict Behav 1985;10(3):249-56
Effects of cigarette nicotine content on smoking behavior of baboons. Rogers WR, et al. Addict Behav 1985; 10(3):225-33
Variables related to long-term smoking status following cardiac events. Scott RR, et al. Addict Behav 1985; 10(3):257-64
Contingent reinforcement for reduced breath carbon monoxide levels: target-specific effects on cigarette smoking. Stitzer ML, et al. Addict Behav 1985;10(4):345-9
Self-efficacy as a predictor of relapse following voluntary cessation of smoking. Yates AJ, et al. Addict Behav 1985; 10(3):291-8
Effect of puff size instructions on puff volume. Zacny JP, et al. Addict Behav 1986;11(1):17-23
Factors associated with the initiation of "smoking" in nine year old children. Oei TP, et al. Adv Alcohol Subst Abuse 1986 Spring;5(3):79-89
Psychiatric aspects of cigarette smoking. Levine DJ, et al. Adv Psychosom Med 1985;14:48-63
Maternal smoking leads to increased cord serum IgG3. Magnusson CG, et al. Allergy 1986 May;41(4):302-7
Blood pressure in smokers and nonsmokers: epidemiologic findings. Green MS, et al. Am Heart J 1986 May; 111(5):932-40
1985 Surgeon General's Report on smoking [letter] Stout NC. Am Ind Hyg Assoc J 1986 May;47(5):A318, A320
Direct effects of smoking on the heart: silent ischemic disturbances of coronary flow. Deanfield JE, et al. Am J Cardiol 1986 May 1;57(13):1005-9
Comparison of risk factors in vasospastic angina without significant fixed coronary narrowing to significant fixed coronary narrowing and no vasospastic angina. Scholl JM, et al. Am J Cardiol 1986 Feb 1;57(4):199-202
Effects of smoking cessation on weight gain, metabolic rate, caloric consumption, and blood lipids. Stamford BA, et al. Am J Clin Nutr 1986 Apr;43(4):486-94
School performance characteristics preceding onset of smoking in high school students. Young TL, et al. Am J Dis Child 1986 Mar;140(3):257-9
Indoor air pollution and pulmonary function growth in preadolescent children. Berkey CS, et al. Am J Epidemiol 1986 Feb;123(2):250-60
Cigarette smoking and breast cancer. Brinton LA, et al. Am J Epidemiol 1986 Apr;123(4):614-22
Medical costs confounded by disease severity [letter] Colditz GA. Am J Epidemiol 1986 Aug;124(2):343-4
Changes in plasma high density lipoprotein cholesterol after changes in cigarette use. Fortmann SP, et al. Am J Epidemiol 1986 Oct;124(4):706-10
Cigarette smoking initiation and longitudinal changes in serum lipids and lipoproteins in early adulthood: the Bogalusa Heart Study. Freedman DS, et al. Am J Epidemiol 1986 Aug;124(2):207-19
Re: Cigarette smoking and estrogen-dependent diseases [letter] Kreiger N, et al. Am J Epidemiol 1986 Jan; 123(1):200
Cigarette smoking and the risk of cervical neoplasia. La Vecchia C, et al. Am J Epidemiol 1986 Jan;123(1):22-9
The use of dead controls in case-control studies [letter] Mundt DJ, et al. Am J Epidemiol 1985 Dec;122(6):1108-9
The leukocyte count: associations with intensity of smoking and persistence of effect after quitting. Petitti DB, et al. Am J Epidemiol 1986 Jan;123(1):89-95
Bladder cancer in young women. Piper JM, et al. Am J Epidemiol 1986 Jun;123(6):1033-42
The risk of myocardial infarction 10 or more years after vasectomy in men under 55 years of age. Rosenberg L, et al. Am J Epidemiol 1986 Jun;123(6):1049-56
Cigarette smoking and breast cancer [letter] Sandler DP, et al. Am J Epidemiol 1986 Feb;123(2):370-1
Re: "Cigarette smoking and breast cancer: a case-control study of screening program participants" [letter] Sheehe PR. Am J Epidemiol 1986 Apr;123(4):754-5
Medical costs of cigarette smoking in a health maintenance organization. Vogt TM, et al. Am J Epidemiol 1985 Dec; 122(6):1060-6
Carotenoid intake, vegetables, and the risk of lung cancer among white men in New Jersey. Ziegler RG, et al. Am J Epidemiol 1986 Jun;123(6):1080-93
Cigarette smoking and Down syndrome. Hook EB, et al. Am J Hum Genet 1985 Nov;37(6):1216-24
Long-term effects of cigarette smoking and moderate alcohol consumption on coronary artery diameter. Mechanisms of coronary artery disease independent of atherosclerosis or thrombosis? Fried LP, et al. Am J Med 1986 Jan; 80(1):37-44
Oslo Study Diet and Antismoking Trial. Results after 102 months. Hjermann I, et al. Am J Med 1986 Feb 14; 80(2A):7-11
Interaction of asbestos, age, and cigarette smoking in producing radiographic evidence of diffuse pulmonary fibrosis. Kilburn KH, et al. Am J Med 1986 Mar; 80(3):377-81
Smoking behavior, cessation techniques, and the health decision model [letter] Strieber A. Am J Med 1985 Nov; 79(5):A55, A62
Hormonal effects of smoking--II: Effects on plasma cortisol, growth hormone, and prolactin. Gossain VV, et al. Am J Med Sci 1986 May;291(5):325-7
Hormonal effects of smoking--I: Effects on plasma renin activity. Gossain VV, et al. Am J Med Sci 1986 May; 291(5):321-4
Evaluation of serum CA125 values in healthy individuals and pregnant women. Haga Y, et al. Am J Med Sci 1986 Jul; 292(1):25-9
Cigarette smoking and lung disease. Vial WC. Am J Med Sci 1986 Feb;291(2):130-42 (81 ref.)
Cigarette smoking and endometrial cancer [letter] Baron JA. Am J Obstet Gynecol 1986 Apr;154(4):965
The effects of maternal cigarette smoking on placental morphology, histomorphometry, and biochemistry. Rush D, et al. Am J Perinatol 1986 Jul;3(3):263-72
High maternal serum alpha-fetoprotein and low birthweight. A study concerning possible correlation between maternal weight, smoking, and serum alpha-fetoprotein and subsequent birthweight and gestational age. Secher NJ, et al. Am J Perinatol 1985 Apr;2(2):78-81
Variation in size at birth and cigarette smoking during pregnancy. Scheil LM, et al. Am J Phys Anthropol 1985 Dec;68(4):549-54
Prevalence of smoking among psychiatric outpatients. Hughes JR, et al. Am J Psychiatry 1986 Aug;143(8):993-7
Cigarette smoking behavior among Rhode Island physicians, 1963-83. Buechner JS, et al. Am J Public Health 1986 Mar; 76(3):285-6
Trends in tobacco use on television. Cruz J, et al. Am J Public Health 1986 Jun;76(6):698-9
Some properties of saliva cotinine measurements in indicating exposure to tobacco smoking. Di Giusto E, et al. Am J Public Health 1986 Oct;76(10):1245-6
Banning worksite smoking [editorial] Fielding JE. Am J Public Health 1986 Aug;76(8):957-9
Intervention of tobacco chewing and smoking habits [letter] Gupta PC, et al. Am J Public Health 1986 Jun;76(6):709
Longitudinal patterns of cigarette smoking and smokeless tobacco use in youth: the Bogalusa Heart Study. Hunter SM, et al. Am J Public Health 1986 Feb;76(2):193-5
Sex and smoking differences in duodenal ulcer mortality. Kurata JH, et al. Am J Public Health 1986 Jun;76(6):700-2
Risk factors for drug use among adolescents: concurrent and longitudinal analyses. Newcomb MD, et al. Am J Public Health 1986 May;76(5):525-31
Child maltreatment and smoking during pregnancy [letter] Pascoe JM. Am J Public Health 1985 Dec;75(12):1452
Occupational and worksite norms and attitudes about smoking cessation. Sorensen G, et al. Am J Public Health 1986 May;76(5):544-9
Litigating for the public's health. Teret SP. Am J Public Health 1986 Aug;76(8):1027-9
Serum antiproteases in smokers and nonsmokers. Relationships to smoking status and pulmonary function. Bridges RB, et al. Am Rev Respir Dis 1985 Dec; 132(6):1162-9
Increased cathepsin B-like activity in alveolar macrophages and bronchoalveolar lavage fluid from smokers. Chang JC, et al. Am Rev Respir Dis 1986 Sep;134(3):538-41
Alveolar fenestrae in smokers. Relationship with light microscopic and functional abnormalities. Cosio MG, et al. Am Rev Respir Dis 1986 Jan;133(1):126-31
Characteristics of bronchial hyperresponsiveness in smokers with chronic air-flow limitation. Du Toit JI, et al. Am Rev Respir Dis 1986 Sep;134(3):498-501
Acute effect of smoking on elastaselike esterase activity and immunologic neutrophil elastase levels in bronchoalveolar lavage fluid. Fera T, et al. Am Rev Respir Dis 1986 Apr; 133(4):568-73
The role of complement in cigarette smoke-induced chemotactic activity of lung fluids. Kew RR, et al. Am Rev Respir Dis 1986 Mar;133(3):478-81
Smoking does not reduce the functional activity of serum alpha-1-proteinase inhibitor. An epidemiologic study of 719 healthy men. Lelkouch J, et al. Am Rev Respir Dis 1985 Oct;132(4):818-20
Smoking inhibits asbestos clearance. McFadden D, et al. Am Rev Respir Dis 1986 Mar;133(3):372-4
Cigarette smoking and health. Mason RJ, et al. Am Rev Respir Dis 1985 Nov;132(5):1133-6
Should chest physicians be passive on smoking? [editorial] Mason RJ. Am Rev Respir Dis 1986 Jan;133(1):4
Patterns of spirogram abnormality in individual smokers. Miller MR, et al. Am Rev Respir Dis 1985 Nov; 132(5):1034-40

Time domain spirogram indices. Their variability and reference values in nonsmokers. Miller MR, et al. **Am Rev Respir Dis** 1985 Nov;132(5):1041–8

Nonspecific airway reactivity in cigarette smokers. Relationship to airway pathology and baseline lung function. Mullen JB, et al. **Am Rev Respir Dis** 1986 Jan; 133(1):120–5

Loss of alveolar attachments in smokers. A morphometric correlate of lung function impairment. Saetta M, et al. **Am Rev Respir Dis** 1985 Oct;132(4):894–900

Erythrocytes from cigarette smokers contain more glutathione and catalase and protect endothelial cells from hydrogen peroxide better than do erythrocytes from nonsmokers. Toth KM, et al. **Am Rev Respir Dis** 1986 Aug; 134(2):281–4

Health effects of smoking on children. Wall M, et al. **Am Rev Respir Dis** 1985 Nov;132(5):1137–8

Bronchoalveolar lavage fluid neutrophils increase after corticosteroid therapy in smokers with idiopathic pulmonary fibrosis. Watters LC, et al. **Am Rev Respir Dis** 1986 Jan;133(1):104–9

Smoking and the development of progressive airflow obstruction. Pride NB. **Ann Acad Med Singapore** 1985 Jul; 14(3):496–502

Smoking and pregnancy: the influence of maternal and gestational factors on the outcome of pregnancy and the newborn. Pulkkinen P. **Ann Chir Gynaecol [Suppl]** 1985; 197:55–9

Tobacco smoking and associated oral lesions. Mani NJ. **Ann Dent** 1984 Summer;43(1):6–14

Tobacco smoke and lung disease: who is susceptible? Harris CC. **Ann Intern Med** 1986 Oct;105(4):607–9

Active smoking depresses prostaglandin synthesis in human gastric mucosa. Quimby GF, et al. **Ann Intern Med** 1986 May;104(5):616–9

Smoking, cancer, and Parkinson's disease. Barbeau A, et al. **Ann Neurol** 1986 Jul;20(1):105–6

Alkylation repair activity in the lung macrophages of smokers and nonsmokers. Cao EH, et al. **Ann NY Acad Sci** 1985; 459:269

Total and regional lung function in sarcoidosis. Smokers versus nonsmokers. Dutton RE, et al. **Ann NY Acad Sci** 1986;465:502–14

Smoking and interstitial lung disease. The effect of cigarette smoking on the incidence of pulmonary histiocytosis X and sarcoidosis. Hance AJ, et al. **Ann NY Acad Sci** 1986; 465:643–56

Reduced prevalence of smokers in sarcoidosis. Results of a case–control study. Harf RA, et al. **Ann NY Acad Sci** 1986; 465:625–31

Cigarette smoking and bronchoalveolar T cell populations in sarcoidosis. Lawrence EC, et al. **Ann NY Acad Sci** 1986; 465:657–64

Methemoglobin levels in smokers and non–smokers. Borland C, et al. **Arch Environ Health** 1985 Nov–Dec;40(6):330–3

A burning issue. Health and wealth up in smoke [editorial] Givens TG. **Arch Intern Med** 1986 Aug;146(8):1494–5

Necropsy evidence of detection bias in the diagnosis of lung cancer. McFarlane MJ, et al. **Arch Intern Med** 1986 Sep; 146(9):1695–8

Smokers' faces. Who are the smokers? [editorial] Soffer A. **Arch Intern Med** 1986 Aug;146(8):1496

Smoking and Parkinson's disease. Search for a dose–response relationship. Golbe LI, et al. **Arch Neurol** 1986 Aug; 43(8):774–8

Interaction of cadmium, zinc and copper in relation to smoking habit, age and histopathological findings in human kidney cortex. Blanula M, et al. **Arch Toxicol** 1985 Dec; 58(2):115–7

Toxicity studies on clove cigarette smoke and constituents of clove: determination of the LD50 of eugenol by intratracheal instillation in rats and hamsters. LaVoie EJ, et al. **Arch Toxicol** 1986 Jul;59(2):78–81

Plasma HDL cholesterol and the subclasses HDL2 and HDL3 in smokers and non–smokers. Nesje LA, et al. **Artery** 1985;13(1):7–18

Lipid levels in high density lipoprotein subfractions in smokers with peripheral vascular disease. Dionyssiou–Asteriou A, et al. **Atherosclerosis** 1985 Nov; 57(2–3):343–6

The effect of age, sex, alcohol consumption and cigarette smoking on serum concentrations of lipids and apolipoproteins in Zimbabwean blacks. Gomo ZA. **Atherosclerosis** 1986 Aug;61(2):149–54

Depressed plasma pyridoxal–5'–phosphate levels in tobacco–smoking men. Serfontein WJ, et al. **Atherosclerosis** 1986 Mar;59(3):341–6

Variation in serum lipid and lipoprotein levels associated with changes in smoking behaviour in non–obese Caucasian males. Shennan NM, et al. **Atherosclerosis** 1985 Dec; 58(1–3):17–25

Effects of smoking on lipid parameters during therapeutic weight loss. Van Gaal LF, et al. **Atherosclerosis** 1986 Jun; 60(3):287–90

The effect of cigarette smoking on gastric acid secretion and gastric mucosal blood flow in man. Fletcher DR, et al. **Aust NZ J Med** 1985 Aug;15(4):417–20

Smoking habits of pregnant women in Brisbane, Australia. Counsilman JJ, et al. **Aust NZ J Obstet Gynaecol** 1985 Nov;25(4):244–7

Cigarette smoking by pregnant women with particular reference to their past and subsequent breast feeding behaviour. Counsilman JJ, et al. **Aust NZ J Obstet Gynaecol** 1985 May;25(2):101–7

One hundred cases of arteriovenous fistula for haemodialysis access: the effect of cigarette smoking on patency. Wetzig GA, et al. **Aust NZ J Surg** 1985 Dec;55(6):551–4

Relationship of duodenal ulcer with diet, smoking, family history and blood group. Alam AK, et al. **Bangladesh Med Res Counc Bull** 1986 Jun;12(1):32–6

The effect of cigarette smoking during pregnancy on the cholinergic system in isolated term human placental tissue. Rowell PP, et al. **Biol Reprod** 1986 Mar;34(2):344–8

Changes in smoking habits in men under 65 years after myocardial infarction and coronary insufficiency. Hay DR, et al. **Br Heart J** 1970 Nov;32(6):738–40

First versus second portion of expired air and duration of breath holding in the sampling of expired air carbon monoxide. Biglan A, et al. **Br J Addict** 1986 Apr; 81(2):283–6

Data note—2. Measuring U.K. alcohol and tobacco consumption. Godfrey C, et al. **Br J Addict** 1986 Apr; 81(2):287–93

Nicotine, cigarette smoking, and body weight. Grunberg NE. **Br J Addict** 1985 Dec;80(4):369–77

The genetic and cultural transmission of alcohol use, alcoholism, cigarette smoking and coffee drinking: a review and an example using a log linear cultural transmission model. Gurling HM, et al. **Br J Addict** 1985 Sep; 80(3):269–79 (50 ref.)

Tar and nicotine yields of U.K. cigarettes 1972–1983: sales–weighted estimates from non–industry sources. Jarvis MJ, et al. **Br J Addict** 1985 Dec;80(4):429–34

Sister chromatid exchanges in cigarette smokers: effects of halothane, isoflurane or subarachnoid blockade. Husum B, et al. **Br J Anaesth** 1985 Nov;57(11):1100–3

Abstaining from cigarette smoking has no major effect on gastric emptying in habitual smokers. Petring OU, et al. **Br J Anaesth** 1985 Nov;57(11):1104–6

Smoking and lung cancer with special regard to type of smoking and type of cancer. A case–control study in north Sweden. Damber LA, et al. **Br J Cancer** 1986 May; 53(5):673–81

The influence of age and smoking on the elimination of disopyramide. Bonde J, et al. **Br J Clin Pharmacol** 1985 Nov;20(5):453–8

Histochemistry of gastric mucins in smokers and non–smokers. Hollanders D, et al. **Br J Clin Pract** 1986 Feb;40(2):74–7

Enhancing the impact of groups: an evaluation of two group formats for smokers. Hajek P, et al. **Br J Clin Psychol** 1985 Nov;24 (Pt 4):289–94

Human pulmonary alveolar macrophages with smokers' inclusions: their relation to the cessation of cigarette smoking. Agius RM, et al. **Br J Exp Pathol** 1986 Jun; 67(3):407–13

Attitudes and normative beliefs as predictors of smoking intentions and behaviours: a test of three models. Grube JW, et al. **Br J Soc Psychol** 1986 Jun;25 (Pt 2):81–93

Maximal gastric secretion in smokers and non–smokers with duodenal ulcer. Whitfield PF, et al. **Br J Surg** 1985 Dec; 72(12):955–7

Palmoplantar pustulosis and smoking [letter] **Br Med J [Clin Res]** 1985 Nov 2;291(6504):1278–9

The use of drugs, alcohol, and cigarettes during pregnancy [letter] **Br Med J [Clin Res]** 1986 Mar 8;292(6521):696

Lack of difference between malignant and accelerated hypertension. Ahmed ME, et al. **Br Med J [Clin Res]** 1986 Jan 25;292(6515):235–7

Smoking and state of health. Balarajan R, et al. **Br Med J [Clin Res]** 1985 Dec 14;291(6510):1682

Cigarette smoking and prolactin in women. Baron JA, et al. **Br Med J [Clin Res]** 1986 Aug 23;293(6545):482–3

Cigarette smoking and risk of premature stroke in men and women. Bonita R, et al. **Br Med J [Clin Res]** 1986 Jul 5;293(6538):6–8

Smoking and colonic mucus in ulcerative colitis. Cope GF, et al. **Br Med J [Clin Res]** 1986 Aug 23;293(6545):481

Does stopping smoking delay onset of angina after infarction? Daly LE, et al. **Br Med J [Clin Res]** 1985 Oct 5; 291(6500):935–7

Chronic inflammatory bowel disease, cigarette smoking and use of oral contraceptives [letter] Entrican JH, et al. **Br Med J [Clin Res]** 1986 May 31;292(6533):1464

Does stopping smoking delay onset of angina after infarction? [letter] Green KG. **Br Med J [Clin Res]** 1985 Nov 2; 291(6504):1281

Smoker's face: an underrated clinical sign? Model D. **Br Med J [Clin Res]** 1985 Dec 21–28;291(6511):1760–2

Smoking, drinking, and polycythaemia [editorial] Moore–Gillon J, et al. **Br Med J [Clin Res]** 1986 Jun 21; 292(6536):1617–8

Palmoplantar pustulosis and smoking. O'Doherty CJ, et al. **Br Med J [Clin Res]** 1985 Sep 28;291(6499):861–4

Smoking, sugar, and inflammatory bowel disease [letter] Porro GB, et al. **Br Med J [Clin Res]** 1985 Oct 5; 291(6500):971–2

General practitioners' advice on smoking to patients referred for barium meals [letter] Preston PG. **Br Med J [Clin Res]** 1985 Sep 14;291(6497):737

Prospective survey of use of therapeutic drugs, alcohol, and cigarettes during pregnancy. Rubin PC, et al. **Br Med J [Clin Res]** 1986 Jan 11;292(6513):81–3

Chronic inflammatory bowel disease, cigarette smoking, and use of oral contraceptives: findings in a large cohort study of women of childbearing age. Vessey M, et al. **Br Med J [Clin Res]** 1986 Apr 26;292(6528):1101–3

Blood pressure in a national birth cohort at the age of 36 related to social and familial factors, smoking, and body mass. Wadsworth ME, et al. **Br Med J [Clin Res]** 1985 Nov 30;291(6508):1534–8

Carboxyhemoglobin concentrations in smokers of sheesha and cigarettes in Saudi Arabia. Zahran FM, et al. **Br Med J [Clin Res]** 1985 Dec 21–28;291(6511):1768–70

Cadmium in smoke particulates of regular and filter cigarettes containing low and high cadmium concentrations. Boche CA, et al. **Bull Environ Contam Toxicol** 1986 Mar; 36(3):372–5

Mucus clearance from peripheral and central airways of asymptomatic cigarette smokers. Agnew JE, et al. **Bull Eur Physiopathol Respir** 1986 May–Jun;22(3):263–7

Pulmonary distensibility and ventilatory function in smokers. Colebatch HJ, et al. **Bull Eur Physiopathol Respir** 1985 Sep–Oct;21(5):439–47

Reference values for lung function tests in females. Regression equations with smoking variables. Hedenström H, et al. **Bull Eur Physiopathol Respir** 1985 Nov–Dec; 21(6):551–7

Reflex–induced acceleration of mucociliary activity in rabbit after exposure to cigarette smoke. Lindberg S. **Bull Eur Physiopathol Respir** 1986 May–Jun;22(3):273–9

Lung cancer: a feminist issue [letter] **CA** 1986 Mar–Apr; 36(2):126–7

Cigarette smoking among physicians, dentists, and nurses. Garfinkel L, et al. **CA** 1986 Jan–Feb;36(1):2–8

Refraining from cigarette smoking before premedication does not decrease the risk of acid pulmonary aspiration during anaesthesia. Adelhøj B, et al. **Can Anaesth Soc J** 1985 Sep; 32(5):499–501

Correlation of cigarette–induced increase in serum nicotine levels with arginine vasopressin concentrations in the syndrome of self–induced water intoxication and psychosis (SIWIP). Vieweg WV, et al. **Can J Psychiatry** 1986 Mar; 31(2):108–11

The 1978 national survey of smoking habits of Canadian school children. Brown KS, et al. **Can J Public Health** 1986 Mar–Apr;77(2):139–46

Public health and mild hypertension: recent advances and future challenges. Fodor JG, et al. **Can J Public Health** 1986 Jan–Feb;77(1):17–8

Need for approval and household smoking as two indicators of susceptibility to peer smoking influence. Grymaloski JW. **Can J Public Health** 1985 Jul–Aug;76(4):244–9

Cigarette smoking among alcohol abusers: a continuing and neglected problem. Kozlowski LT, et al. **Can J Public Health** 1986 May–Jun;77(3):205–7

Quantitative models of lung cancer mortality. II. Predicting lung cancer mortalities for a population depending on the level of smoking. Mantel H, et al. **Can J Public Health** 1986 May–Jun;77(3):208–15

Smoking behavior and participation in organized exercise. Stones MJ, et al. **Can J Public Health** 1986 Mar–Apr; 77(2):153–4

Genetic toxicologic monitoring of human populations: smokers, quitters and life–time non–smokers. Tomkins DJ. **Can J Public Health** 1986 May–Jun;77 Suppl 1:140–3

Smoking: the social issue [letter] **Can Med Assoc J** 1986 Jan 1;134(1):13–5

The periodic health examination: 2. 1985 update. Canadian Task Force on the Periodic Examination. **Can Med Assoc J** 1986 Apr 1;134(7):724–7

The sociology of cigarette smoking [editorial] Houston CS. **Can Med Assoc J** 1986 Apr 15;134(8):878–9

US surgeon general ignites furor with findings on smoking in the workplace. Korcok M. **Can Med Assoc J** 1986 Apr 1;134(7):801–6

Prevalence of hypertension, obesity and smoking in three Indian communities in northwestern Ontario. McIntyre L, et al. **Can Med Assoc J** 1986 Feb 15;134(4):345–9

Smoking and health care patterns among pregnant women. Stewart PJ, et al. **Can Med Assoc J** 1985 Nov 15; 133(10):989–94

Smoking and health [letter] Watkins JL. **Can Med Assoc J** 1985 Oct 15;133(8):734

Differential effects of tobacco and alcohol in cancer of the larynx, pharynx, and mouth. Brugere J, et al. **Cancer** 1986 Jan 15;57(2):391–5

More advanced colonic cancer among smokers. Daniell HW. **Cancer** 1986 Aug 1;58(3):784–7

Smoking as a risk factor in hepatocellular carcinoma. A case–control study in southern African blacks. Kew MC, et al. **Cancer** 1985 Nov 1;56(9):2315–7

Genetics and smoking–associated cancers. A study of 485 families. Lynch HT, et al. **Cancer** 1986 Apr 15;57(8):1640–6

Effect of smoking on human natural killer cell activity. Phillips B, et al. **Cancer** 1985 Dec 15;56(12):2789–92

Asbestos as an air pollutant and synergism with smoking. Frank AL. **Cancer Detect Prev** 1986;9(3–4):337–41

Oral cancer and cultural practices in relation to betel quid and tobacco chewing and smoking. Jayant K, et al. **Cancer Detect Prev** 1986;9(3–4):207–13

Correlation of bronchial epidermoid metaplasia with level of tobacco consumption in heavy smokers. Mathé G, et al. **Cancer Detect Prev** 1986;9(1–2):79–81

Regression of bronchial epidermoid metaplasia in heavy smokers with etretinate treatment. Misset JL, et al.

Cancer Detect Prev 1986;9(1-2):167-70
Legislation to control smoking: leverage for effective policy. Roemer R. Cancer Detect Prev 1986;9(1-2):99-112
Lung cancer and tobacco--a global problem. Stanley KE. Cancer Detect Prev 1986;9(1-2):83-9
Relevance of gas and particulate phases of tobacco smoke for lung cancer formation: an experimental study in Syrian golden hamsters. Zeller WJ, et al. Cancer Detect Prev 1986; 9(1-2):91-7
Increase in the levels of N-nitrosoproline, N-nitrosothioproline and N-nitroso-2-methylthioproline in human urine by cigarette smoking. Tsuda M, et al. Cancer Lett 1986 Feb;30(2):117-24
A case-control study of hepatocellular carcinoma and the hepatitis B virus, cigarette smoking, and alcohol consumption. Austin H, et al. Cancer Res 1986 Feb; 46(2):962-6
Smoking and lung cancer: an overview [letter] Burch PR. Cancer Res 1986 Jun;46(6):3200-3
Tissue doses of ethylene oxide in cigarette smokers determined from adduct levels in hemoglobin. Törnqvist M, et al. Carcinogenesis 1986 Sep;7(9):1519-21
Platelet sensitivity to prostacyclin in smokers and non-smokers. Burghuber OC, et al. Chest 1986 Jul; 90(1):34-8
Alterations in immunoregulatory T-cell subsets in cigarette smokers. A phenotypic analysis of bronchoalveolar and blood lymphocytes. Costabel U, et al. Chest 1986 Jul; 90(1):39-44
Peripheral airways function and nonspecific airways reactivity in cigarette smokers. Dosman JA, et al. Chest 1986 Jan;89(1):45-8
Alterations of pulmonary epithelial permeability caused by smoking and other injuries to the lungs [editorial] Mason GR. Chest 1985 Oct;88(4):484-5
Some short-term effects of changing to lower yield cigarettes. Minty BD, et al. Chest 1985 Oct;88(4):531-6
Respiratory effects in relation to estimated tar exposure from current and cumulative cigarette consumption. Paoletti P, et al. Chest 1985 Dec;88(6):849-55
Less hazardous cigarettes and diseases of the lung [editorial] Samet JM. Chest 1985 Dec;88(6):802-3
Smokers' faces. Who are the smokers? [editorial] Soffer A. Chest 1986 May;89(5):622
Relationship between serum IgE and cross-sectional and longitudinal FEV1 in two cohort studies. Vollmer WM, et al. Chest 1986 Sep;90(3):416-23
Cigarette smoking divided by professional groups in Beijing. Lin WS, et al. Chin Med J [Engl] 1986 Jan;99(1):15-20
The relationship of white cell count, platelet count, and hematocrit to cigarette smoking in adolescents: the Oslo Youth Study. Tell GS, et al. Circulation 1985 Nov; 72(5):971-4
Smoking-induced coronary vasoconstriction in patients with atherosclerotic coronary artery disease: evidence for adrenergically mediated alterations in coronary artery tone. Winniford MD, et al. Circulation 1986 Apr;73(4):662-7
Pneumococcus-specific immunoglobulin E in cigarette smokers. Bloom JW, et al. Clin Allergy 1986 Jan; 16(1):25-32
Effect of cigarette smoking on the antibody response to inhaled antigens and the prevalence of extrinsic allergic alveolitis among pigeon breeders. McSharry C, et al. Clin Allergy 1985 Sep;15(5):487-94
Smoking, allergy and airways obstruction: revival of the 'Dutch hypothesis'. Pride N. Clin Allergy 1986 Jan; 16(1):3-6
Analysis for nicotine and cotinine in hair to determine cigarette smoker status. Haley NJ, et al. Clin Chem 1985 Oct;31(10):1598-600
Raised C-reactive protein levels in serum from smokers. Das I. Clin Chim Acta 1985 Nov 29;153(1):9-13
Serum angiotensin converting enzyme activity in cigarette smokers. Haboubi NA, et al. Clin Chim Acta 1986 Jan 15; 154(1):69-72
Tissue origin of serum placental-like alkaline phosphatase in cigarette smokers. Williams GH, et al. Clin Chim Acta 1986 Mar 28;155(3):329-33
Numerical and functional alterations in circulatory lymphocytes in cigarette smokers. Hughes DA, et al. Clin Exp Immunol 1985 Aug;61(2):459-66
Smoking and peptic ulcer in rheumatoid arthritis. Willoughby JM, et al. Clin Exp Rheumatol 1986 Jan-Mar;4(1):31-5
Calibration and measurement of the inhaled smoke volume in cigarette smoking. Woodman G, et al. Clin Phys Physiol Meas 1985 Aug;6(3):251-5
An in vivo radiotracer method to allow for cigarette filter ventilation during smoking. Woodman G, et al. Clin Phys Physiol Meas 1985 Nov;6(4):361-4
Relationship between pulse amplitude and thermal exchange in the finger: the effect of smoking. Saumet JL, et al. Clin Physiol 1986 Apr;6(2):139-46
Smoking and reproductive health. Weisberg E. Clin Reprod Fertil 1985 Sep;3(3):175-86 (56 ref.)
Sensory mechanisms in the upper respiratory tract affect the inhalation of cigarette smoke in man. Grant SG, et al. Clin Sci 1986 Jul;71(1):117-9
The effect of tobacco smoke upon airway secretion in the cat. Peatfield AC, et al. Clin Sci 1986 Aug;71(2):179-87
Extracellular elastolytic activity in human lung lavage: a comparative study between smokers and non-smokers. Smith SF, et al. Clin Sci 1985 Jul;69(1):17-27
British smoking and drinking habits: regional variations. Balarajan R, et al. Community Med 1986 May;8(2):131-7
Prevalence of cigarette smoking in Dundee school children in 1964 and 1984. Fee WM, et al. Community Med 1985 Nov;7(4):283-8
Bladder cancer in Connecticut: the role of cigarette smoking and other risk factors. Marrett LD, et al. Cons Med 1985 Nov;49(11):718-26
Public smoking coming to an end? [letter] Lang LP. Del Med J 1986 Jun;58(6):438
Extent of nicotine and cotinine transfer to the human fetus, placenta and amniotic fluid of smoking mothers. Luck W, et al. Dev Pharmacol Ther 1985;8(6):384-95
Cigarette smoking, blood pressure and the control of blood glucose in the development of diabetic retinopathy. Walker JM, et al. Diabetes Res 1985 Jul;2(4):183-6
Prostaglandin E1 (misoprostol) overcomes the adverse effect of chronic cigarette smoking on duodenal ulcer healing. Lam SK, et al. Dig Dis Sci 1986 Feb;31(2 Suppl):68S-74S
Nicotine and smoking do not decrease basal gastric mucosal blood flow in anesthetized rats. Robert ME, et al. Dig Dis Sci 1986 May;31(5):530-4
Attitudes of Nigerian medical students towards use and abuse of tobacco, alcohol and drugs. Attah Johnson FY. Drug Alcohol Depend 1985 Aug;15(4):323-34
A comparison of alcohol, tobacco and drug use as determined from household and school surveys. Rootman I, et al. Drug Alcohol Depend 1985 Nov;16(2):89-94
Influence of cimetidine, sulfinpyrazone, and cigarette smoking on theobromine metabolism in man. Miners JO, et al. Drug Metab Dispos 1985 Sep-Oct;13(5):598-601
Tobacco and the Third World: the growing threat. Taha A, et al. East Afr Med J 1985 Oct;62(10):735-41
Cigarette smoking among Ethiopian school teachers. Zein ZA. East Afr Med J 1986 Apr;63(4):244-50
Relation of blood estradiol levels to EEG photic driving in smoking vs. non-smoking normal males. Vogel W, et al. Electroencephalogr Clin Neurophysiol 1985 Dec;61(6):505-8
Study of DNA methylation by tobacco-specific N-nitrosamines. Castonguay A, et al. Environ Health Perspect 1985 Oct;62:197-202
Free-radical chemistry of cigarette smoke and its toxicological implications. Church DF, et al. Environ Health Perspect 1985 Dec;64:111-26
Smoking and cotton dust effects in cotton textile workers: an analysis of the shape of the maximum expiratory flow volume curve. Schachter EN, et al. Environ Health Perspect 1986 Apr;66:145-8
Hypertension, age, and smoking related to genotoxic sensitivity in human lymphocytes: a population study. Lindholm L, et al. Environ Res 1986 Jun;40(1):202-9
Acute influence of cigarette smoke in platelets, catecholamines and neurophysins in the normal conditions of daily life. de Lorgeril M, et al. Eur Heart J 1985 Dec; 6(12):1063-8
Osteoporosis of the slender smoker revisited by epidemiologic approach. Jensen GF. Eur J Clin Invest 1986 Jun;16(3):239-42
Induction of cytochrome P-448 iso-enzymes and related glucuronyltransferases in the human liver by cigarette smoking. Fleischmann R, et al. Eur J Clin Pharmacol 1986; 30(4):475-80
Smoking and its effect on maternal plasma volume during and after normal pregnancy. Bruinse HW, et al. Eur J Obstet Gynecol Reprod Biol 1985 Oct;20(4):215-9
Increased neutrophil myeloperoxidase activity associated with cigarette smoking. Bridges RB, et al. Eur J Respir Dis 1985 Aug;67(2):84-93
Effects of smoking and intermediate alpha 1-antitrypsin deficiency (PiMZ) on lung function. Eriksson S, et al. Eur J Respir Dis 1985 Oct;67(4):279-85
Myeloperoxidase activity in smokers; an additional factor in the development of pulmonary emphysema. Fryksmark U. Eur J Respir Dis 1985 Aug;67(2):81-3
The single breath N2-test predicts the rate of decline in FEV1. The study of men born in 1913 and 1923. Olofsson J, et al. Eur J Respir Dis 1986 Jul;69(1):46-56
Rectal administration of choline theophyllinate in adult asthmatics on theophylline maintenance therapy. Rasmussen JB, et al. Eur J Respir Dis 1985 Oct;67(4):272-8
Mucociliary clearance in smokers. Vastag E, et al. Eur J Respir Dis 1986 Feb;68(2):107-13
Tobacco smoke: respiratory tract defense mechanisms and therapeutic implications. An international symposium held in Lugano, CH, April 13-14, 1984. Eur J Respir Dis [Suppl] 1985;139:1-148
Effect of smoking on peripheral blood leukocytes and serum antiproteases. Bridges RB, et al. Eur J Respir Dis [Suppl] 1985;139:24-33
Oxidants, antioxidants and the pathogenesis of emphysema. Cantin A, et al. Eur J Respir Dis [Suppl] 1985;139:7-17 (77 ref.)
Morphologic changes of alveolar macrophages in smoking sarcoidosis patients. Leuenberger P, et al. Eur J Respir Dis [Suppl] 1985;139:72-5
Improvement of mucociliary transport in smokers by mucolytics. Olivieri D, et al. Eur J Respir Dis [Suppl] 1985; 139:142-5
Mucociliary clearance and airways obstruction in smokers, ex-smokers and normal subjects who never smoked. Vastag E, et al. Eur J Respir Dis [Suppl] 1985;139:93-100
A review of the effects of cigarette smoke on airway mucosal function. Wanner A. Eur J Respir Dis [Suppl] 1985; 139:49-53
Density gradient study of bronchial mucus aspirates from healthy volunteers (smokers and nonsmokers) and from patients with tracheostomy. Bhaskar KR, et al. Exp Lung Res 1985;9(3-4):289-308
Chronic cigarette smoke inhalation and aging in mice: 2. Quantitation of the pulmonary macrophage response. Matulionis DH, et al. Exp Lung Res 1985;9(3-4):309-26
Role of peripheral chemoreceptors in response to smoke-induced apnea vs tracheal occlusion. O'Dell SL, et al. Experientia 1985 Sep 15;41(9):1130-1
Future fertility after prenatal exposure to cigarette smoke. Baird DD, et al. Fertil Steril 1986 Sep;46(3):368-72
Constituents of cigarette smoke inhibit human granulosa cell aromatase. Barbieri RL, et al. Fertil Steril 1986 Aug; 46(2):232-6
Prolactin: a link between smoking and decreased fertility? [letter] Klevene JH, et al. Fertil Steril 1986 Sep;46(3):531-2
Cigarette smoking and its possible effects on sperm. Kulikauskas V, et al. Fertil Steril 1985 Oct;44(4):526-8
Sperm quality of healthy smokers, ex-smokers, and never-smokers. Vogt HJ, et al. Fertil Steril 1986 Jan; 45(1):106-10
Cigarette smoking and infertility [editorial] Wentz AC. Fertil Steril 1986 Sep;46(3):365-7
Fluorescence test to identify deep smokers. Reiter C. Forensic Sci Int 1986 May;31(1):21-6
Serum lipids and lipoproteins in relation to smoking among the apparently healthy workers: a preliminary survey. The Pavia Study. Pollini G, et al. G Ital Med Lav 1985 Jul; 7(4):119-25
The effect of alcohol, tobacco, and coffee on the gastric mucosa. Dinoso VP. Gastroenterol Clin Biol 1985;9(12 Pt 2):84-7 (60 ref.)
Bile reflux is increased in cigarette smokers. Müller-Lissner SA. Gastroenterology 1986 May;90(5 Pt 1):1205-9
Outpatient endoscopic survey of smoking and peptic ulcer. Ainley CC, et al. Gut 1986 Jun;27(6):648-51
Cigarette smoking and duodenal ulcer. Hull DH, et al. Gut 1985 Dec;26(12):1333-7
Cigarette smoking reduces human gastric luminal prostaglandin E2. McCready DR, et al. Gut 1985 Nov; 26(11):1192-6
Increased gastric secretory capacity in smokers without gastrointestinal lesions. Massarrat S, et al. Gut 1986 Apr; 27(4):433-9
Cigarette smoking, gastric acid secretion, and serum pepsinogen I concentrations in duodenal ulcer patients. Parente F, et al. Gut 1985 Dec;26(12):1327-32
The prevalence of smoking among nurses of the Forth Valley Health Board Area. Jones MC. Health Bull (Edinb) 1985 Sep;43(5):240-4
A study of the smoking habits and attitudes of women in a maternity unit. Salariya EM. Health Bull (Edinb) 1986 Jan;44(1):22-8
Assessing the risks of Rn exposure: the influence of cigarette smoking. Ginevan ME, et al. Health Phys 1986 Aug; 51(2):163-74
An epidemiological analysis of the relationship between exposure to Rn progeny, smoking and bronchogenic carcinoma in the U-mining population of the Colorado Plateau--1960-1980. Saccomanno G, et al. Health Phys 1986 May;50(5):605-18
Co-occurrent use of cigarettes, alcohol, and coffee in healthy, community-living men and women. Carmody TP, et al. Health Psychol 1985;4(4):323-35
Cessation of smoking enhances sister chromatid exchanges in lymphocytes. Wulf HC, et al. Hereditas 1985; 102(2):195-8
Clinical studies on reversibility of pulmonary airway dysfunctions in asymptomatic smokers: role of nervous mechanism in small airway disease. Rahman MM. Hiroshima J Med Sci 1985 Dec;34(4):399-418
Smoking and human biology. Garn SM. Hum Biol 1985 Dec; 57(4):505-23
Cigarette use during pregnancy and anthropometry of offspring 6-11 years of age. Schell LM, et al. Hum Biol 1986 Jun;58(3):407-20
Metallothionein and cadmium in human kidney cortex: influence of smoking. Summer KH, et al. Hum Toxicol 1986 Jan;5(1):27-33
Theophylline pharmacokinetics in patients from a geriatric hospital: influence of cigarette smoking. Trembath PW, et al. Hum Toxicol 1986 Jul;5(4):265-8
Smoking and carboxyhaemoglobin concentrations in mothers and their newborn infants. Viinjevac V, et al. Hum Toxicol 1986 May;5(3):175-7
Smoking behaviour in the Netherlands. A striking decrease between 1958-1982. van Reek J. Hygie 1985 Dec;4(4):19-23
Tobacco smoking. IARC Monogr Eval Carcinog Risk Chem Hum 1986; 38:35-394
Chronic airflow limitation in talc industry: role of age, smoking habits and dust exposure. Bachani D. Indian J Chest Dis Allied Sci 1984 Oct-Dec;26(4):220-4
Long term effects of tobacco smoking: results of a spirometric study in 300 old men. Dhand R, et al. Indian J Chest Dis Allied Sci 1985 Jan-Mar;27(1):44-9
Bronchial hyperreactivity, annual rate of decline in FEV1 and chronic airflow obstruction: relationship with smoking [editorial] Pande JN. Indian J Chest Dis Allied Sci 1984

Oct-Dec;26(4):203-4
Bronchial lability and its relationship to pulmonary function decline in young asymptomatic smokers and nonsmokers. Walter S, et al. **Indian J Chest Dis Allied Sci** 1984 Oct-Dec; 26(4):205-13
Tobacco and alcohol use among urban Malaysians in 1980. Armstrong RW. **Int J Addict** 1985 Nov-Dec; 20(11-12):1803-8
Beliefs related to cigarette smoking among Irish college students. Grube JW, et al. **Int J Addict** 1986 Jun;21(6):701-6
Quantified human smoking behavior among various disease categories. Moody PM, et al. **Int J Addict** 1985 May; 20(5):751-61
Maintenance and attributions about smoking among smokers, nonsmokers, and ex-smokers. Sadava SW, et al. **Int J Addict** 1985 Oct;20(10):1533-44
Cognitive processes in adolescent drug use: the role of positivity bias and implications for prevention policy. Whaley AL. **Int J Addict** 1986 Mar;21(3):393-8
Lung cancer risk associated with cigar and pipe smoking. Benhamou S, et al. **Int J Cancer** 1986 Jun 15;37(6):825-9
Tar yields of cigarettes and the risk of oesophageal cancer. La Vecchia C, et al. **Int J Cancer** 1986 Sep 15;38(3):381-5
Subacute bacterial endocarditis following ear acupuncture. Lee RJ, et al. **Int J Cardiol** 1985 Jan;7(1):62-3
Cardiorespiratory response to exercise before and after acute beta-adrenoreceptor blockade in nonsmokers and chronic smokers. Penny WJ, et al. **Int J Cardiol** 1986 Jun; 11(3):293-304
Serum protein binding of model acidic drugs in smokers and non-smokers. Ruiz-Cabello F, et al. **Int J Clin Pharmacol Res** 1986;6(3):177-9
Tolbutamide kinetics in cigarette smokers in the Indian population. Uppal R, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Feb;24(2):82-4
Genetic-environmental interactions in chronic airways obstruction. Khoury MJ, et al. **Int J Epidemiol** 1986 Mar; 15(1):65-72
Japanese lung cancer mortality rates, 1947-80 and per capita cigarette consumption in Japan 5 [letter] Kristein MM. **Int J Epidemiol** 1986 Mar;15(1):140-1
Education and prevalence of smoking in Italian men and women [letter] La Vecchia C, et al. **Int J Epidemiol** 1986 Jun;15(2):279
The impact of smoking in developing countries with special reference to Africa. Yach D. **Int J Health Serv** 1986; 16(2):279-92
The relationship between hypnotic susceptibility and smoking behavior. Stanton HE. **Int J Psychosom** 1985;32(4):33-5
Lebanon--its effect on smoking and drinking habits among Irish United Nations troops. Malone JM. **Ir J Med Sci** 1986 Jul;155(7):229-31
Smoking and chronic lung disease [letter] Mulcahy R. **Ir Med J** 1986 Jan;79(1):25
Lower levels of vitamin C and carotenes in plasma of cigarette smokers. Chow CK, et al. **J Am Coll Nutr** 1986; 5(3):305-12
Regional respiratory clearance of aerosolized 99mTc-DTPA: posture and smoking effects. Dusser DJ, et al. **J Appl Physiol** 1986 Jun;60(6):2000-6
Effect of chronic cigarette smoke exposure on pulmonary vasomotion in beagle dogs. Hakim TS, et al. **J Appl Physiol** 1985 Dec;59(6):1815-22
Regional deposition of particles in the lung during cigarette smoking in humans. Pearson MG, et al. **J Appl Physiol** 1985 Dec;59(6):1828-33
The bogus pipeline revisited: the use of the threat of detection as a means of increasing self-reports of tobacco use. Hansen WB, et al. **J Appl Psychol** 1985 Nov;70(4):789-92
The effect of cigarette smoking on female reproduction. Thomford PJ, et al. **J Arkansas Med Soc** 1986 May; 82(12):597-604 (34 ref.)
Development of machine smoking parameters for measurement of cigarette tar yield in the United Kingdom. Johnson JC. **J Assoc Off Anal Chem** 1986 Jul-Aug; 69(4):598-600
Carboxy-haemoglobin levels following cigarette and bidi tobacco smoking--a comparative study. Gupta SG, et al. **J Assoc Physicians India** 1985 Jun;33(6):404-6
Comparative study of cigarette and bidi smoking on left ventricular performance as determined by systolic time intervals. Gupta SP, et al. **J Assoc Physicians India** 1985 Jul;33(7):449-52
Social influences and constraints on the initiation and cessation of adolescent tobacco use. Skinner WF, et al. **J Behav Med** 1985 Dec;8(4):353-76
Smoking and mortalities from cancer, coronary heart disease and stroke in male Japanese physicians. Kono S, et al. **J Cancer Res Clin Oncol** 1985;110(2):161-4
Cigarette smoking and leukemia. Austin H, et al. **J Chronic Dis** 1986;39(6):417-21
Cigarette smoking, cancer, statistics, and judgement [letter] Hickey RJ. **J Chronic Dis** 1986;39(5):407-9
Age, period, cohort and geographical area effects on the relationship between risk factors and coronary heart disease mortality. 15-year follow-up of the European cohorts of the Seven Countries study. Mariotti S, et al. **J Chronic Dis** 1986;39(3):229-42
Factors affecting cigarette smoking status in patients with ischemic heart disease. Ockene JK, et al. **J Chronic Dis** 1985;38(12):985-94
Decreased leukotriene B4 synthesis in smokers' alveolar macrophages in vitro. Laviolette M, et al. **J Clin Invest** 1986 Jan;77(1):54-60
Deficiency of vitamin E in the alveolar fluid of cigarette smokers. Influence on alveolar macrophage cytotoxicity. Pacht ER, et al. **J Clin Invest** 1986 Mar;77(3):789-96
Metabolic reduction of chromium by alveolar macrophages and its relationships to cigarette smoke. Petrilli FL, et al. **J Clin Invest** 1986 Jun;77(6):1917-24
Haematological and haemorheological changes associated with cigarette smoking. Galea G, et al. **J Clin Pathol** 1985 Sep;38(9):978-84
The effect of non-surgical treatment on periodontal pockets in smokers and non-smokers. Preber H, et al. **J Clin Periodontol** 1986 Apr;13(4):319-23
Smoking cessation and weight gain. Hall SM, et al. **J Consult Clin Psychol** 1986 Jun;54(3):342-6
Health educators: role modeling and smoking behavior. Brennan AJ, et al. **J Drug Educ** 1985;15(4):343-52
Sex differences in the beliefs of nonsmokers about why cigarette smokers smoke. Evans RG, et al. **J Drug Educ** 1986;16(1):27-33
Single and multiple patterns of adolescent substance use: longitudinal comparisons of four ethnic groups. Maddahian E, et al. **J Drug Educ** 1985;15(4):311-26
Frequency and sequence of drug use: a longitudinal study from early adolescence to young adulthood. Newcomb MD, et al. **J Drug Educ** 1986;16(2):101-20
Cross-sectional analysis of variables related to cigarette smoking in late adolescence. Pederson LL, et al. **J Drug Educ** 1985;15(3):225-40
The mutagenicity of cigarette smokers' urine. Kriebel D, et al. **J Environ Pathol Toxicol Oncol** 1985 Nov-Dec; 6(2):157-69
Risks of lung cancer, chronic bronchitis, ischaemic heart disease, and stroke in relation to type of cigarette smoked. Alderson MR, et al. **J Epidemiol Community Health** 1985 Dec;39(4):286-93
Cigarette smoking and benign breast disease. Berkowitz GS, et al. **J Epidemiol Community Health** 1985 Dec;39(4):308-13
Effect of combined alcohol and tobacco exposure on risk of cancer of the hypopharynx. Olsen J, et al. **J Epidemiol Community Health** 1985 Dec;39(4):304-7
Phlegm production and lung function among cigarette smokers changing tar groups during the 1970s. Peach H, et al. **J Epidemiol Community Health** 1986 Jun;40(2):110-6
Reduction of tar, nicotine and carbon monoxide intake in low tar smokers. Russell MA, et al. **J Epidemiol Community Health** 1986 Mar;40(1):80-5
High dietary fat intake and cigarette smoking as risk factors for ischaemic heart disease in Bangladeshi male immigrants in East London. Silman A, et al. **J Epidemiol Community Health** 1985 Dec;39(4):301-3
Adolescent personality antecedents of adult cigarette smoking: a longitudinal study. Livson N, et al. **J Genet Psychol** 1985 Sep;146(3):343-55
Differential effect of cigarette smoking on recirculating T lymphocyte subsets in pregnant women. Smart YC, et al. **J Immunol** 1986 Jul 1;137(1):1-3
Deficient responses of pulmonary macrophages from healthy smokers to antiviral lymphokines in vitro. Rose RM, et al. **J Infect Dis** 1986 Oct;154(4):611-8
Spontaneous hydrogen peroxide release from alveolar macrophages of some cigarette smokers. Baughman RP, et al. **J Lab Clin Med** 1986 Mar;107(3):233-7
Urokinase-type plasminogen activator in alveolar macrophages and bronchoalveolar lavage fluid from normal and smoke-exposed hamsters and humans. Bowen RM, et al. **J Lab Clin Med** 1985 Dec;106(6):667-73
Platelet prostacyclin binding in smokers. Jaschonek K, et al. **J Lab Clin Med** 1986 Aug;108(2):88-95
Effects of cigarette smoking and alcohol consumption on blood lipid variables. Chularojanamontri V, et al. **J Med Assoc Thai** 1985 Oct;68(10):503-7
Monoamine oxidase B, smoking, and Parkinson's disease. Yong VW, et al. **J Neurol Sci** 1986 Feb;72(2-3):265-72
Comparison of crude and smoking-adjusted standardized mortality ratios. Blair A, et al. **J Occup Med** 1985 Dec; 27(12):881-4
Occupational and sex differences in smoking and smoking cessation. Sorensen G, et al. **J Occup Med** 1986 May; 28(5):360-4
Interaction between tobacco smoking and occupational exposures in the causation of lung cancer. Steenland K, et al. **J Occup Med** 1986 Feb;28(2):110-8 (37 ref.)
Smoking and excess sick leave in a department of health. Van Tuinen M, et al. **J Occup Med** 1986 Jan;28(1):33-5
A histological analysis of the early effects of alcohol and tobacco usage on human lingual epithelium. Valentine JA, et al. **J Oral Pathol** 1985 Sep;14(8):654-65
Nicotine and cotinine concentrations in serum and urine of infants exposed via passive smoking or milk from smoking mothers. Luck W, et al. **J Pediatr** 1985 Nov;107(5):816-20
Calcium and phosphate concentrations and precipitate formation in whole saliva from smokers and non-smokers. Macgregor ID, et al. **J Periodont Res** 1986 Jul;21(4):429-33
Instructions control whether nicotine will serve as a reinforcer. Hughes JR, et al. **J Pharmacol Exp Ther** 1985 Oct;235(1):106-12
Psychosocial factors and smoking as risk factors in lung carcinoma. Blohmke M, et al. **J Psychosom Res** 1984; 28(3):221-9
The fire-safe cigarette campaign. DeFrancesco S, et al. **J Public Health Policy** 1985 Sep;6(3):340-8
Tobacco and ethics. Berry G, et al. **J R Coll Gen Pract** 1986 Aug;36(289):378-80
Smoking in pregnancy--a health education problem. McKnight A, et al. **J R Coll Gen Pract** 1986 Apr; 36(285):161-4
Corticotrophin injections to treat cigarette withdrawal symptoms [letter] West R. **J R Soc Med** 1985 Dec; 78(12):1065-6
Clove cigarettes: problem or symptom? Bailey WJ, et al. **J Sch Health** 1986 Jan;56(1):29-30
Reducing adolescent smoking: a comparison of peer-led, teacher-led, and expert interventions. Clarke JH, et al. **J Sch Health** 1986 Mar;56(3):102-6
Social disaffection, friendship patterns and adolescent cigarette use: the Muscatine Study. Krohn MD, et al. **J Sch Health** 1986 Apr;56(4):146-50
The effects of cigarette smoking cessation on 5-year pulmonary function changes in US underground coal miners. Ames RG, et al. **J Soc Occup Med** 1985 Winter; 35(4):111-3
Respiratory cancer in a Scottish industrial community: a retrospective case-control study. Lloyd OL, et al. **J Soc Occup Med** 1986 Spring;36(1):2-8
Whose responsibility? [letter] Gilman RA. **J Thorac Cardiovasc Surg** 1986 Mar;91(3):474-5
The tragedy of tobacco [letter] Harken DE. **J Thorac Cardiovasc Surg** 1985 Nov;90(5):794
Effects of low-yield-cigarette smoke inhalation on rat lung macrophages. Gonzalez-Rothi RJ, et al. **J Toxicol Environ Health** 1986;17(2-3):221-8
Cytogenetic variability of lymphocytes from phenotypically normal men: influence of age, smoking, season, and sample storage. Sinha AK, et al. **J Toxicol Environ Health** 1986; 17(4):327-45
Passive and active exposure to cigarette smoke in a smoking experiment. Sorsa M, et al. **J Toxicol Environ Health** 1985; 16(3-4):523-34
Benzene levels in ambient air and breath of smokers and nonsmokers in urban and pristine environments. Wester RC, et al. **J Toxicol Environ Health** 1986;18(4):567-73
Smoking habits and disease patterns amongst hospital patients in north-east Nigeria. Harries AD, et al. **J Trop Med Hyg** 1986 Feb;89(1):37-41
Chronic maternal cigarette smoking and fetal abdominal aortic blood flow in humans. Eldridge MW, et al. **J Ultrasound Med** 1986 Mar;5(3):131-6
On the arterial consequences of smoking. Couch NP. **J Vasc Surg** 1986 May;3(5):807-12
Leads from the MMWR. Cigarette smoking among public high school students--Rhode Island. **JAMA** 1986 Sep 19; 256(11):1422, 1425
Statistics, smoking, and health [letter] **JAMA** 1986 Feb 28; 255(8):1015-7
Reduced tar, nicotine, and carbon monoxide exposure while smoking ultralow- but not low-yield cigarettes. Benowitz NL, et al. **JAMA** 1986 Jul 11;256(2):241-6
Tobacco in hospitals [letter] Berman EJ, et al. **JAMA** 1985 Dec 27;254(24):3420
A pack is not a 'pack' is not a pack [letter] Brawley RL. **JAMA** 1985 Nov 8;254(18):2556-7
Cigarette smoking and invasive cervical cancer. Brinton LA, et al. **JAMA** 1986 Jun 20;255(23):3265-9
Myocardial infarction in women younger than 50 years [letter] Burch PR. **JAMA** 1985 Nov 22-29;254(20):2893
Maternal cigarette smoking and the ghost of Yerushalmy--will it ever rest? [letter] Burch PR, et al. **JAMA** 1986 Feb 28;255(8):1019
Payment by nonsmokers for smoking-related illness [letter] Cady B. **JAMA** 1986 Sep 12;256(10):1291
Studying reproductive risks, smoking [news] Cole H. **JAMA** 1986 Jan 3;255(1):22-3
The relation of endometriosis to menstrual characteristics, smoking, and exercise. Cramer DW, et al. **JAMA** 1986 Apr 11;255(14):1904-8
Dark days predicted as Third World lights up [news] Goldsmith MF. **JAMA** 1986 Feb 28;255(8):1000, 1003
Rejected landmarks: the smoke goes on [letter] Olson KB. **JAMA** 1986 Feb 28;255(8):1017-8
Smoke exposure in pipe and cigar smokers. Serum thiocyanate measures. Pechacek TF, et al. **JAMA** 1985 Dec 20;254(23):3330-2
Familial hypercholesterolemia and early coronary death [letter] Ravenholt RT. **JAMA** 1986 Jul 18;256(3):348
Smoking, sex, and pregnancy [letter] Rosenberg MJ, et al. **JAMA** 1986 Jan 3;255(1):35-6
Cessation of smoking and reduced risk of death [letter] Seltzer CC. **JAMA** 1985 Nov 8;254(18):2555-6
Elimination from the body of tobacco products by smokers and passive smokers [letter] Sepkovic DW, et al. **JAMA** 1986 Aug 15;256(7):863
Smoking and drinking during pregnancy. Their effects on preterm birth. Shiono PH, et al. **JAMA** 1986 Jan 3; 255(1):82-4
Making love with death [editorial] Southgate MT. **JAMA** 1986 Feb 28;255(8):1054
Fetal tobacco syndrome [letter] Tye JB. **JAMA** 1986 Aug 15;256(7):862-3
Effect of cigarette smoking on survival of patients with angiographically documented coronary artery disease. Report from the CASS registry. Vlietstra RE, et al. **JAMA** 1986 Feb 28;255(8):1023-7

Smoking and health implications of a change in the federal cigarette excise tax. Warner KE. **JAMA** 1986 Feb 28; 255(8):1028–32

Underground mining, smoking, and lung cancer [letter] Archer VE. **JNCI** 1986 Mar;76(3):553–4

Cigarette smoking in women with cancers of the breast and reproductive organs. Baron JA, et al. **JNCI** 1986 Sep; 77(3):677–80

CA 19-9 and CA 125 levels in the sera of normal blood donors in relation to smoking history. Green PJ, et al. **JNCI** 1986 Aug;77(2):337–41

Smoking, menopause, and breast cancer. Hiatt RA, et al. **JNCI** 1986 May;76(5):833–8

Mutagenic mucus in the cervix of smokers. Holly EA, et al. **JNCI** 1986 Jun;76(6):983–6

Enhancement of benzo[a]pyrene-induced sister chromatid exchanges in lymphocytes from cigarette smokers occupationally exposed to asbestos. Kelsey KT, et al. **JNCI** 1986 Aug;77(2):321–7

Pancreas cancer and smoking, beverage consumption, and past medical history. Mack TM, et al. **JNCI** 1986 Jun; 76(1):49–60

Determinants of lung cancer risk in cigarette smokers in New Mexico. Pathak DR, et al. **JNCI** 1986 Apr;76(4):577–604

Smoking habits and tar levels in a new American Cancer Society prospective study of 1.2 million men and women. Stellman SD, et al. **JNCI** 1986 Jun;76(6):1057–63

Cigarette smoking, obesity, diuretic use, and coffee consumption as risk factors for renal cell carcinoma. Yu MC, et al. **JNCI** 1986 Aug;77(2):351–6

The role of drinking and cigarette smoking in the excess deaths from liver cancer. Shibata A, et al. **Jpn J Cancer Res** 1986 Mar;77(3):287–95

Risk of lung cancer by histologic type among smokers in Miyagi Prefecture. Shimizu H, et al. **Jpn J Clin Oncol** 1986 Jun;16(2):117–21

Effects of smoking during pregnancy. Friesen C, et al. **Kans Med** 1986 Jan;87(1):7–9, 21–2

Health effects caused by cessation of cigarette smoking. Yoshida K, et al. **Keio J Med** 1986 Mar;35(1):10–8

Maternal smoking during pregnancy and the risk of childhood cancer [letter] **Lancet** 1986 Aug 30; 2(8505):519–20

Is there a future for lower-tar-yield cigarettes? Participants of the Fourth Scarborough Conference on Preventive Medicine. **Lancet** 1985 Nov 16;2(8464):1111–4

Moderate hypertension [letter] **Lancet** 1985 Oct 26; 2(8461):948

Low-tar cigarettes and future mortality [letter] Anderson K, et al. **Lancet** 1986 Jan 25;1(8474):209

Smoking and premature delivery [letter] Dunn PM. **Lancet** 1986 Jun 28;1(8496):1494

Smoking and neuroticism [letter] Freeman J. **Lancet** 1971 Dec 4;2(7736):1260

Intervention study for primary prevention of oral cancer among 36 000 Indian tobacco users. Gupta PC, et al. **Lancet** 1986 May 31;1(8492):1235–9

Cigarettes and prematurity [letter] McGarry J. **Lancet** 1986 May 24;1(8491):1212

Tobacco and mortality [letter] Myddelton G. **Lancet** 1985 Dec 21–28;2(8469–70):1430

Future of low-tar cigarettes [letter] Simpson D. **Lancet** 1985 Dec 14;2(8468):1359–60

Maternal smoking during pregnancy and risk of childhood cancer. Stjernfeldt M, et al. **Lancet** 1986 Jun 14; 1(8494):1350–2

Acute effect of smoking on superoxide production by pulmonary alveolar macrophages. Richter AM, et al. **Lung** 1986;164(4):233–42

Patient motivation during pregnancy. Boyd MD. **Md Med J** 1985 Oct;34(10):977–81

Smoking: the number one health problem. Brandt EN Jr. **Md Med J** 1985 Sep;34(9):897–8

Smoking and healthy pregnancy: now is the time to quit. Feldman PR. **Md Med J** 1985 Oct;34(10):982–6

Nicotine and cigarette smoking: an alternative hypothesis. Chamberlain AT, et al. **Med Hypotheses** 1985 Aug; 17(4):285–97

Lung cancer: is fluoride in cigarette smoke an etiological factor? Sutton PR. **Med Hypotheses** 1986 May;20(1):51

Smoking, disease and the admissibility of evidence [letter] Burch PR. **Med J Aust** 1986 Apr 14;144(8):446–7

Smoking: associations with disease [letter] Burch PR. **Med J Aust** 1985 Sep 30;143(7):318–9

Smoking in an industrial population. An analysis by birth cohort. Christie D, et al. **Med J Aust** 1986 Jul 7;145(1):11–4

Nicotine dependency [letter] Gibson PB, et al. **Med J Aust** 1986 Jun 9;144(12):672

Premature adult mortality and short-stay hospitalization in Western Australia attributable to the smoking of tobacco, 1979–1983. Holman CD, et al. **Med J Aust** 1986 Jul 7; 145(1):7–11

Urbanization, industrialization, smoking and lung cancer in Europe, 1955–1974. Ioannidis PJ, et al. **Med Law** 1985; 4(5):409–24

Smoking and insulin sensitivity in type I diabetic patients. Helve E, et al. **Metabolism** 1986 Sep;35(9):874–7

The effect of cigarette smoking on Army Physical Readiness Test performance of enlisted Army medical department personnel. Jensen RG. **Milit Med** 1986 Feb;151(2):83–5

Doctors helping smokers. Real world tactics. Hughes JR, et al. **Minn Med** 1986 May;69(5):293–5

Cigarette smoking among public high school students—Rhode Island. **MMWR** 1986 Aug 15; 35(32):505–7

The prospective intervention study Eberbach-Wiesloch—influence of smoking. Schettler G, et al. **Monogr Atheroscler** 1986;14:40–2

Characterization and treatment of dependence on tobacco cigarettes. Morgan JP. **Mt Sinai J Med (NY)** 1986 Feb; 53(2):149–51

Analysis of chromosome aberrations in lymphocytes of long-term heavy smokers. Littlefield LG, et al. **Mutat Res** 1986 Jun;170(3):145–50

Study of the amniotic fluid from smokers and non-smokers in the Ames test. Rivrud GN, et al. **Mutat Res** 1986 Jan-Feb;169(1-2):11–6

Aging and smoking increase the frequency of sister-chromatid exchanges (SCE) in man. Sarto F, et al. **Mutat Res** 1985 Nov;144(3):183–7

Mutagens in human urine: effects of cigarette smoking and diet. Sasson IM, et al. **Mutat Res** 1985 Dec;158(3):149–57

Increased 24-hour energy expenditure in cigarette smokers [letter] **N Engl J Med** 1986 Jun 19;314(25):1639–41

Cigarette smoking and endometrial cancer [letter] **N Engl J Med** 1986 Sep 4;315(10):645–7

Smoking [letter] **N Engl J Med** 1986 Jan 16;314(3):180–1

Risk of stroke in male cigarette smokers. Abbott RD, et al. **N Engl J Med** 1986 Sep 18;315(12):717–20

Smoking and drunk driving [letter] DiFranza JR, et al. **N Engl J Med** 1985 Nov 28;313(22):1421–2

Smoking as a risk factor for recurrence of sudden cardiac arrest [letter] Golden J, et al. **N Engl J Med** 1986 Jun 19; 314(25):1641–2

Smoking as a risk factor for recurrence of sudden cardiac arrest. Hallstrom AP, et al. **N Engl J Med** 1986 Jan 30; 314(5):271–5

Increased 24-hour energy expenditure in cigarette smokers. Hofstetter A, et al. **N Engl J Med** 1986 Jan 9;314(2):79–82

Cigarette smoking, serum estrogens, and bone loss during hormone-replacement therapy early after menopause. Jensen J, et al. **N Engl J Med** 1985 Oct 17;313(16):973–5

A deposit on cigarette butts? [letter] Margolis LH. **N Engl J Med** 1985 Nov 28;313(22):1422

Cigarette smoking and bone loss during hormone replacement after menopause [letter] Nisker JA, et al. **N Engl J Med** 1986 Mar 27;314(13):854

Postmenopausal estrogen use, cigarette smoking, and cardiovascular morbidity in women over 50. The Framingham Study. Wilson PW, et al. **N Engl J Med** 1985 Oct 24;313(17):1038–43

Matched groups analysis method. Hammond EC. **Natl Cancer Inst Monogr** 1985 May;67:157–60

Development of cigarette smoking in rhesus monkeys. Ando K, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986; 67:147–53

Gender and the teenage smoker. Gritz ER. **Natl Inst Drug Abuse Res Monogr Ser** 1986;65:70–9

Characterization of tobacco withdrawal: physiological and subjective effects. Hatsukami D, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1985;53:56–67

Human studies of the behavioral pharmacological determinants of nicotine dependence. Henningfield JE, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;67:54–65

Short-term effects of nicotine gum. Hughes JR, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1985;53:68–82

Cardiovascular effects of nicotine gum and cigarettes assessed by ECG and echocardiography. Krivokapich J, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1985;53:42–55

Placental transfer of drugs, alcohol, and components of cigarette smoke and their effects on the human fetus. Kuhnert BR, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1985;60:98–109 (72 ref.)

Nicotine gum vs. placebo gum: comparisons of withdrawal symptoms and success rates. Schneider NG, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1985;53:83–101

Effects of chronic exposure to cigarette smoke on amine levels and turnover in various hypothalamic catecholamine nerve terminal systems and on the secretion of pituitary hormones in the male rat. Andersson K, et al. **Neuroendocrinology** 1985 Dec;41(6):462–6

Tobacco intolerance in multiple system atrophy. Johnsen JA, et al. **Neurology** 1986 Jul;36(7):986–8

Getting women hooked: defending the indefensible [interview by Bobbi Jacobson] **NY State J Med** 1985 Jul; 85(7):341

The world cigarette pandemic. Part II. **NY State J Med** 1985 Jul;85(7):282–473

Cigarette smoking and quality of sperm [letter] Ablin RJ. **NY State J Med** 1986 Feb;86(2):108

Physicians, smoking, and health in the Netherlands. Adriaanse H, et al. **NY State J Med** 1985 Jul;85(7):394–5

Endobronchial foreign body (cigarette filter tip) with inflammatory pseudotumor of the lung. A "true" xanthogranuloma. Batra AK, et al. **NY State J Med** 1985 Jul;85(7):389–90

Smoking in France: a dismal picture. Bittoun R. **NY State J Med** 1985 Jul;85(7):407–8

Smoking and the military. Blake GH. **NY State J Med** 1985 Jul;85(7):354–6

Japan: land of the rise in lung cancer. US government aids cigarette sales. Blum A. **NY State J Med** 1985 Jul; 85(7):425–7

Smoking and health in the Soviet Union and Eastern Europe. Cooper R. **NY State J Med** 1985 Jul;85(7):413–5

Cigarette smoking and ill health among black Americans. Cooper R, et al. **NY State J Med** 1985 Jul;85(7):344–9

An insurance company perspective on smoking. Cowell MJ. **NY State J Med** 1985 Jul;85(7):307–9

Cipollone v Liggett Group, Inc. The application of theories of liability in current cigarette litigation. Edell MZ, et al. **NY State J Med** 1985 Jul;85(7):318–21

The underemphasis on smoking in medical education. Ginzel KH. **NY State J Med** 1985 Jul;85(7):299–301

Changes in overwrap and butt length of American filter cigarettes. An influence on reported tar yields. Grunberg NE, et al. **NY State J Med** 1985 Jul;85(7):310–2

Smoking and its promotion in Greece. A 20th century Trojan horse. Keenan E. **NY State J Med** 1985 Jul;85(7):409–12

Superman and the Malboro woman. The lungs of Lois Lane. Magnus P. **NY State J Med** 1985 Jul;85(7):342–3

The "less hazardous" cigarette: a deadly delusionMiller GH. **NY State J Med** 1985 Jul;85(7):313–7

Cigarette smoking in Papua New Guinea. A model for keeping a people down. Scrimgeour EM. **NY State J Med** 1985 Jul;85(7):420–1

A disease model of cigarette use. Slade JD. **NY State J Med** 1985 Jul;85(7):294–7

Smoking and cervical intraepithelial neoplasia [letter] Chang AR. **NZ Med J** 1986 Aug 13;99(807):597–8

Impact of smoking on health care resource use. Chetwynd J, et al. **NZ Med J** 1986 Apr 9;99(799):230–2

Some characteristics of women smokers. Chetwynd J. **NZ Med J** 1986 Jan 22;99(794):14–7

The symptom of chest tightness [letter] de Hamel F. **NZ Med J** 1985 Dec 25;98(793):1093

Wheeze after exercise [letter] de Hamel F. **NZ Med J** 1985 Dec 25;98(793):1094

A policy for the control of smoking in hospitals. Hay DR. **NZ Med J** 1986 Jul 9;99(805):505–7

Hyponatraemic–hypertensive syndrome due to unilateral renal ischaemia in women who smoke heavily. Heslop H, et al. **NZ Med J** 1985 Sep 11;98(786):739–42

Smoking during pregnancy and post-neonatal death. VandenBerg M. **NZ Med J** 1985 Dec 25;98(793):1075–8

Smoking, maternal age, and fetal growth. Cnattingius S, et al. **Obstet Gynecol** 1985 Oct;66(4):449–52

Trend associations of smoking with maternal, fetal, and neonatal morbidity. Hoff C, et al. **Obstet Gynecol** 1986 Sep; 68(3):317–21

Changes in smoking and alcohol consumption during pregnancy: a population-based study in a rural area. Kruse J, et al. **Obstet Gynecol** 1986 May;67(5):627–32

Maternal smoking and infant respiratory distress syndrome. White E, et al. **Obstet Gynecol** 1986 Mar;67(3):365–70

Alcohol, tobacco, cancer and death. Review of the literature. Report of a case. Fodor B, et al. **Panminerva Med** 1985 Oct–Dec;27(4):213–8

Substance use in pregnancy among two groups of urban women in Papua New Guinea. Marshall LB. **Papua New Guinea Med J** 1985 Sep;28(3):195–204

Parental smoking and respiratory illness during early childhood: a six-year longitudinal study. Fergusson DM, et al. **Pediatr Pulmonol** 1985 Mar–Apr;1(2):99–106

Effects of mother's smoking on their infants' body composition as determined by total body potassium. Spady DW, et al. **Pediatr Res** 1986 Aug;20(8):716–9

Effects of maternal smoking and caffeine habits on infantile apnea: a retrospective study. Toubas PL, et al. **Pediatrics** 1986 Jul;78(1):159–63

Cigarette smoking, urinary acidity, and nicotine excretion under natural conditions. Fix AJ, et al. **Percept Mot Skills** 1986 Aug;63(1):65–6

Smoking and memory: state-specific effects. Kunzendorf R, et al. **Percept Mot Skills** 1985 Oct;61(2):558

Cigarette desirability and nicotine preference in smokers. Herskovic JE, et al. **Pharmacol Biochem Behav** 1986 Feb; 24(2):171–5

Effects of different cigarette smoke yields on puffing and inhalation: is the measurement of inhalation volumes relevant for smoke absorption? Nil R, et al. **Pharmacol Biochem Behav** 1986 Mar;24(3):587–95

Pituitary hormone response to cigarette smoking. Seyler LE Jr, et al. **Pharmacol Biochem Behav** 1986 Jan;24(1):159–62

Feeding cycles in smokers, exsmokers and nonsmokers. Green J, et al. **Physiol Behav** 1986;36(6):1059–63

Heat loss and anticipatory finger vasoconstriction induced by a smoking of a single cigarette. Saumet JL, et al. **Physiol Behav** 1985 Aug;35(2):229–32

Basal lamina thickening in the placentae of smoking mothers. van der Velde WJ, et al. **Placenta** 1985 Jul–Aug;6(4):329–40

Association between cutaneous occlusive vascular disease, cigarette smoking, and skin slough after rhytidectomy. Riefkohl R, et al. **Plast Reconstr Surg** 1986 Apr;77(4):592–5

Cigarette smoking and face lift: conservative versus wide undermining. Webster RC, et al. **Plast Reconstr Surg** 1986 Apr;77(4):596–604

A private statistic in what should be a public war [editorial] Houston TP. **Postgrad Med** 1986 May 15;79(7):13, 16, 21

Smoking cessation among coal miners as predicted by baseline respiratory function and symptoms: a 5-year prospective study. Ames RG, et al. **Prev Med** 1985 Mar; 14(2):181–6

Circumstances surrounding relapse in a group of recent exsmokers. Cummings KM, et al. **Prev Med** 1985 Mar;

14(2):195–202

Ten-year evaluation of hypertension, overweight, cholesterol, and smoking control: the CHAD program in Jerusalem. Community Syndrome of Hypertension, Atherosclerosis and Diabetes. Gofin J, et al. **Prev Med** 1986 May;15(3):304–12

The Oslo Study: diet and antismoking advice. Additional results from a 5-year primary preventive trial in middle-aged men. Holme I, et al. **Prev Med** 1985 May; 14(3):279–92

Predictors of outcome in a general practitioner intervention against smoking. Jackson PH, et al. **Prev Med** 1986 May; 15(3):244–53

Smoking in Italy, 1949–1983. La Vecchia C. **Prev Med** 1986 May;15(3):274–81

Respiratory morbidity in smokers of low- and high-yield cigarettes. Petitti DB, et al. **Prev Med** 1985 Mar; 14(2):217–25

Verification of smoking status by thiocyanate in unrefrigerated, mailed saliva samples. Sexton M, et al. **Prev Med** 1986 Jan;15(1):28–34

Effects of smoking and stopping smoking on serum high-density lipoprotein cholesterol levels in a representative population sample. Tuomilehto J, et al. **Prev Med** 1986 Jan;15(1):35–45

General effects of smoking on health. Gonzalez-Rothi R. **Proc Annu Meet Med Sect Am Counc Life Insur** 1985;:87–94

Alterations in canine coronary arteries produced by chronic cigarette smoking. Cox RH, et al. **Proc Soc Exp Biol Med** 1986 Jan;181(1):157–62

Epidemiological studies concerning chromosomal aberrations in alcoholics and smokers. Obe G. **Prog Clin Biol Res** 1986; 209B:315–26

Arachidonic-acid-induced platelet aggregation is increased in male but not in female smokers. Ahlsten G, et al. **Prostaglandins Leukotrienes Med** 1986 Feb;21(2):149–56

Aggregation of and thromboxane B2 synthesis in platelets from newborn infants of smoking and non-smoking mothers. Ahlsten G, et al. **Prostaglandins Leukotrienes Med** 1985 Aug;19(2):167–76

Chronic exposure to high levels of sidestream smoke adversely alters 14C-arachidonic acid metabolism in rat platelets and aortas. Lubawy WC, et al. **Prostaglandins Leukotrienes Med** 1985 Aug;19(2):131–2

Tobacco, alcohol, and caffeine use: a review of their interrelationships. Istvan J, et al. **Psychol Bull** 1984 Mar; 95(2):301–26

Smoking and the Eysenck personality dimensions: an interactive model. Parkes KR. **Psychol Med** 1984 Nov; 14(4):825–34

Life stress, weight gain, and resuming smoking after success in a cessation clinic. Gunn RC, et al. **Psychol Rep** 1985 Dec;57(3 Pt 2):1035–9

Differences in the time or frequency of meals, alcohol and caffeine ingestion, and smoking found between 'morning' and 'evening' types. Ishihara K, et al. **Psychol Rep** 1985 Oct;57(2):391–6

Perceived stress and adolescents cigarette use. Mitic WR, et al. **Psychol Rep** 1985 Dec;57(3 Pt 2):1043–8

Using group decision to reduce adolescent girls' smoking. Peterson AJ, et al. **Psychol Rep** 1986 Feb;58(1):179–85

Effects of mecamylamine on human cigarette smoking and subjective ratings. Nemeth-Coslett R, et al. **Psychopharmacology (Berlin)** 1986;88(4):420–5

Naloxone does not affect cigarette smoking. Nemeth-Coslett R, et al. **Psychopharmacology (Berlin)** 1986;89(3):261–4

Facilitation of learning and state dependency with nicotine. Warburton DM, et al. **Psychopharmacology (Berlin)** 1986; 89(1):55–9

Which smokers report most relief from craving when using nicotine chewing gum? West RJ, et al. **Psychopharmacology (Berlin)** 1986;89(2):189–91

Pre-abstinence smoke intake and smoking motivation as predictors of severity of cigarette withdrawal symptoms. West RJ, et al. **Psychopharmacology (Berlin)** 1985; 87(3):334–6

Effects of smoking on vegetative reactivity to noise in women. Woodson PP, et al. **Psychophysiology** 1986 May; 23(3):272–82

Variations between schools and regions in smoking prevalence among British schoolchildren—implications for health education. Charlton A, et al. **Public Health** 1985 Jul;99(4):243–9

Smoking in the workplace: review of critical issues. Schilling RF 2d, et al. **Public Health Rep** 1985 Sep–Oct;100(5):473–9 (94 ref.)

The contribution of smoking to sex differences in mortality. Waldron I. **Public Health Rep** 1986 Mar–Apr;101(2):163–73 (48 ref.)

Altered chemotactic peptide binding in tobacco smokers' neutrophils. Codd EE, et al. **Regul Pept** 1986 May; 14(3):243–51

Analytical cigarette yields as predictors of smoke bioavailability. Gori GB, et al. **Regul Toxicol Pharmacol** 1985 Sep;5(3):314–26

Radiographic findings in cotton textile workers and the relationship to cigarette smoking. Lu PH, et al. **Regul Toxicol Pharmacol** 1986 Mar;6(1):60–5

Prevalence of nurse smokers and variables identified with successful and unsuccessful smoking cessation. Feldman BM, et al. **Res Nurs Health** 1986 Jun;9(2):131–8

Mean transit time, forced expiratory volume and age in healthy male smokers and non-smokers. Boisio E, et al. **Respiration** 1986;49(1):23–6

Changes of volume of trapped gas after bronchodilation in subjects with suspected subclinical emphysema. Christensson P, et al. **Respiration** 1986;49(1):16–22

Discriminating power of measurements from maximum expiratory flow-volume curves. Marrero O, et al. **Respiration** 1986;49(4):263–73

Smoking and vascular impotence. A reason for concern. Bornman MS, et al. **S Afr Med J** 1986 Sep 13;70(6):329–30

Smoking in inflammatory bowel disease and the irritable bowel syndrome. Burns DG. **S Afr Med J** 1986 Feb 15; 69(4):232–3

Smoking during pregnancy: its effects on the intrauterine development. Vincze S, et al. **Sante Publique (Bucur)** 1985; 28(3):197–216

Serum thiocyanate and smoking: interpretation of serum thiocyanate levels observed in a large health study. Foss OP, et al. **Scand J Clin Lab Invest** 1986 May;46(3):245–51

Cigarette smoking, caffeine ingestion and blood pressure. Ramsay LE, et al. **Scand J Clin Lab Invest [Suppl]** 1985; 176:100–6

Cigarette smoking in patients referred for periodontal treatment. Preber H, et al. **Scand J Dent Res** 1986 Apr; 94(2):102–8

Smoking, alcohol, coffee, and familial factors: any associations with peptic ulcer disease? A clinically and radiologically prospective study. Ostensen H, et al. **Scand J Gastroenterol** 1985 Dec;20(10):1227–35

The association between drinking and smoking habits among conscripts in the Danish Navy and Army. Lauritzen JB, et al. **Scand J Prim Health Care** 1986 Feb;4(1):19–23

A case-referent study of lung cancer, occupational exposures and smoking. III. Etiologic fraction of occupational exposures. Kjuus H, et al. **Scand J Work Environ Health** 1986 Jun;12(3):210–5

A case-referent study of lung cancer, occupational exposures and smoking. II. Role of asbestos exposure. Kjuus H, et al. **Scand J Work Environ Health** 1986 Jun;12(3):203–9

A case-referent study of lung cancer, occupational exposures and smoking. I. Comparison of title-based and exposure-based occupational information. Kjuus H, et al. **Scand J Work Environ Health** 1986 Jun;12(3):193–202

Sister chromatid exchange (SCE) in Greenlandic Eskimos. Dose-response relationship between SCE and seal diet, smoking, and blood cadmium and mercury concentrations. Wulf HC, et al. **Sci Total Environ** 1986 Jan;48(1–2):81–94

Detection of smoking-related covalent DNA adducts in human placenta. Everson RB, et al. **Science** 1986 Jan 3; 231(4733):54–7

Children's perceptions of advertisements for cigarettes. Aitken PP, et al. **Soc Sci Med** 1985;21(7):785–97

The relative influence of health beliefs, parental and peer behaviors and exercise program participation on smoking, alcohol use and physical activity. Gottlieb NH, et al. **Soc Sci Med** 1986;22(9):915–27

More on the impact of smoking on medical care expenditures [letter] Leu RE, et al. **Soc Sci Med** 1985;21(7):825–7

Agreement between laboratory tests and self-reports of alcohol, tobacco, caffeine, marijuana and other drug use in post-partum women. Little RE, et al. **Soc Sci Med** 1986; 22(1):91–8

Smoking among urban Malaysian school children. Thambypillai V. **Soc Sci Med** 1985;21(7):819–23

Smoking and medical care expenditures—what we know and what we don't know [letter] Thompson ME, et al. **Soc Sci Med** 1986;23(1):93–4

Reasons for the disagreements on the impact of smoking on medical care expenditures: a proposal for a uniform approach. Thompson ME, et al. **Soc Sci Med** 1985; 21(7):771–3

Smoking cessation. Bailey WC. **South Med J** 1986 Feb; 79(2):223–6

Medical care costs attributable to cigarette smoking in Kentucky. Hinds MW. **South Med J** 1986 Jun;79(6):665–8

Lung cancer: is the increasing incidence due to radioactive polonium in cigarettes? Marmorstein J. **South Med J** 1986 Feb;79(2):145–50

Smoking and pregnancy. Werler MM, et al. **Teratology** 1985 Dec;32(3):473–81

Effects of smoking on nortriptyline plasma concentrations in depressed patients. Perry PJ, et al. **Ther Drug Monit** 1986;8(3):279–84

Observations on the pathogenesis of chronic airflow obstruction in smokers: implications for the detection of "early" lung disease.Greaves IA, et al. **Thorax** 1986 Feb; 41(2):81–7 (52 ref.)

Contribution of ethanol and cigarette smoking to pulmonary dysfunction in chronic alcoholics. Lyons DJ, et al. **Thorax** 1986 Mar;41(3):197–202

Validity of smokers' information about present and past cigarette brands—implications for studies of the effects of falling tar yields of cigarettes on health. Peach H, et al. **Thorax** 1986 Mar;41(3):203–7

Effect of cigarette smoking, pulmonary inflammation, and lung disease on concentrations of carcinoembryonic antigen in serum and secretions. Stockley RA, et al. **Thorax** 1986 Jan;41(1):17–24

Plasma nicotine concentration and the white blood cell count in smokers. Taylor RG, et al. **Thorax** 1986 May;41(5):407–8

Distribution of carboxyhaemoglobin concentrations in smokers and non-smokers. Turner JA, et al. **Thorax** 1986 Jan;41(1):25–7

Smoking and blood basophils [letter] Walter S, et al. **Thorax** 1986 Apr;41(4):335

Platelet thromboxane formation and bleeding time is influenced by ethanol withdrawal but not by cigarette smoking. Hillbom M, et al. **Thromb Haemost** 1985 Jun 24; 53(3):419–22

International symposium on effects of indoor air pollution with special reference to nitrogen oxides and smoking. Lyngby, Denmark, January 26–27, 1984. **Tokai J Exp Clin Med** 1985 Aug;10(4):253–485

Urinary hydroxyproline excretion in smokers, non-smokers and passive smokers. Adlkofer F, et al. **Tokai J Exp Clin Med** 1985 Aug;10(4):415–25

Do the oxides of nitrogen in cigarette smoke cause emphysema in smokers? Borland C, et al. **Tokai J Exp Clin Med** 1985 Aug;10(4):371–3

Stability of tobacco smoke odor in enclosed spaces. Clausen GH, et al. **Tokai J Exp Clin Med** 1985 Aug;10(4):347–8

The tobacco problem in Denmark and the difficulties in implementing an organized plan of action. Egsmose T. **Tokai J Exp Clin Med** 1985 Aug;10(4):457–63

Tobacco smoking and the pulmonary surfactant system. Higenbottam T. **Tokai J Exp Clin Med** 1985 Aug; 10(4):465–70

Longitudinal monitoring of changes in individual smoking habit over 13-year period among adults. Jedrychowski W, et al. **Tokai J Exp Clin Med** 1985 Aug;10(4):315–21

Confronting the effects of smoking and air quality on the development of chronic respiratory diseases. Jedrychowski W, et al. **Tokai J Exp Clin Med** 1985 Aug;10(4):323–30

A review of urinary hydroxyproline as a biochemical marker on health effects of smoking and air pollution with nitrogen dioxide. **Kasuga H. Tokai J Exp Clin Med** 1985 Aug; 10(4):439–44

Current obstetrical studies on smoking in Japan (2). Smoking and preterm labor. Kikuchi S, et al. **Tokai J Exp Clin Med** 1985 Aug;10(4):385–9

Indoor air pollution due to tobacco smoke under real conditions. Preliminary results. Klus H, et al. **Tokai J Exp Clin Med** 1985 Aug;10(4):331–40

A comparative study on the health effects of smoking and indoor air pollution in summer and winter. Matsuki H, et al. **Tokai J Exp Clin Med** 1985 Aug;10(4):427–37

Domestic smoke pollution and respiratory function in rural Nepal. Pandey MR, et al. **Tokai J Exp Clin Med** 1985 Aug; 10(4):471–81

Preliminary studies of urinary hydroxyproline levels in rodents and in smokers. Read GA, et al. **Tokai J Exp Clin Med** 1985 Aug;10(4):445–50

Relationship between parental smoking and respiratory diseases of three year old children. Tominaga S, et al. **Tokai J Exp Clin Med** 1985 Aug;10(4):395–9

Characterization of a binding protein for the PCB metabolite 4,4'-bis(methylsulfonyl)-2,2',5,5'-tetrachlorobiphenyl present in bronchoalveolar lavage from healthy smokers and non-smokers. Lund J, et al. **Toxicol Appl Pharmacol** 1986 May;83(3):486–93

A method for enriching the cadmium content of cigarette smoke and effect of exposure to this smoke on coronary vascular reactivity in the rat. Piascik MT, et al. **Toxicol Appl Pharmacol** 1985 Dec;81(3 Pt 1):525–32

Effects of smoking and nicotine on human prostacyclin and thromboxane production in vivo and in vitro. Teivanen J, et al. **Toxicol Appl Pharmacol** 1986 Feb;82(2):301–6

Prevalence and significance of tobacco smoking in impotence. Condra M, et al. **Urology** 1986 Jun;27(6):495–8

Immunological aspect of smoking in patients with thromboangitis obliterans. Simić L, et al. **Vasa** 1985; 14(4):349–52

Coronary heart disease and smoking [letter] Perkins KA. **West J Med** 1985 Nov;143(5):681–2

[An analysis of the effect of smoking on bronchitis, emphysema, cor pulmonale and emphysema in the aged] **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Apr;9(2):85–7, 126 (Eng. Abstr.) (Chi)

[Measurement of frequency-dependent respiratory resistance by the forced oscillation technic and its clinical application] Xu ZJ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Apr;9(2):100–3, 127 (Eng. Abstr.) (Chi)

[Effect of smoking on left ventricular performance] Deng QG. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1985 Sep;13(3):197–8 (Chi)

[Effect of smoking on the anterior segment of the eye] Bao YJ. **Chung Hua Yen Ko Tsa Chih** 1986 Jan;22(1):30–2 (Eng. Abstr.) (Chi)

[The prevalence of the cigarette smoking habit among 110,000 adult residents in the Shanghai urban area] Deng J. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1985 Sep; 19(5):271–4 (Eng. Abstr.) (Chi)

[Smoking and duodenal ulcer] Hansen TH, et al. **Ugeskr Laeger** 1985 Dec 16;147(51):4175–7 (Eng. Abstr.) (Dan)

[Cigarette smoking—an important cause of non-toxic goiter] Hegedüs L, et al. **Ugeskr Laeger** 1985 Nov 11; 147(46):3679–82 (Eng. Abstr.) (Dan)

[The smoking habit in pregnant women. Nicotine and condensate of chosen brands of cigarettes] Olsen J, et al. **Ugeskr Laeger** 1986 Jul 14;148(29):1846–8 (Eng. Abstr.) (Dan)

[Smoking habits and occupational employment] Olsen JH, et al. **Ugeskr Laeger** 1985 Aug 26;147(35):2788–92 (Eng. Abstr.) (Dan)

[Vitamin A and lung cancer. Should smokers eat large quantities of vegetables?] Osler M. **Ugeskr Laeger** 1986 May 12;148(20):1225–9 (Eng. Abstr.) (Dan)

[Lung cancer and cigarette tar in Denmark] Prener A, et al. **Ugeskr Laeger** 1985 Dec 16;147(51):4221–7 (Eng. Abstr.) (Dan)

[Smoking behavior of Dutch family physicians in 1977–1983] Adriaanse H, et al. **Ned Tijdschr Geneeskd** 1985 Dec 14; 129(50):2414–8 (Eng. Abstr.) (Dut)

[Smoking in pregnancy and developmental results; various facts concerning the Dutch situation] van der Meulen BF, et al. **Ned Tijdschr Geneeskd** 1985 Aug 17;129(33):1595–6 (Dut)

[Reduction of skin blood flow by cigarette smoke: role of vasopressin] Waeber B, et al. **Arch Mal Coeur** 1985 Oct; 78(11):1740–2 (Fre)

[Tobacco addiction invades the Third World] Fréour P. **Bull Acad Natl Med (Paris)** 1985 Feb;169(2):267–72 (Eng. Abstr.) (Fre)

[Distribution of cigarette consumption in 15 to 65-year-old men and women in 1984] Nahas G, et al. **Bull Acad Natl Med (Paris)** 1986 Feb;170(2):201–6 (Eng. Abstr.) (Fre)

[Typologic analysis of comparative effects of tobacco and Pi phenotype on the respiratory function] Doré MF, et al. **Bull Eur Physiopathol Respir** 1982 Sep–Oct;18(5):717–24 (Eng. Abstr.) (Fre)

[What are the implications of high pulmonary compliance?] Thenault D, et al. **Respiration** 1986;49(3):170–80 (Eng. Abstr.) (Fre)

[A major cause of epidemics: the increase in tobacco consumption in France] Hill C, et al. **Rev Epidemiol Sante Publique** 1985;33(6):387–95 (Eng. Abstr.) (Fre)

[Modification of smoking habits in Belgium army recruits between 1977 and 1980] Kornitzer M, et al. **Rev Epidemiol Sante Publique** 1985;33(6):452–3 (Fre)

[Effect of smoking on the concentration and activity of serum alpha-1 anti-protease according to Pi phenotype] Pierre F, et al. **Rev Epidemiol Sante Publique** 1985;33(4–5):341–6 (Eng. Abstr.) (Fre)

[Why tobacco and not cannabis?] Noirfalise A. **Rev Med Liege** 1986 Jan 15;41(2):60–6 (Fre)

[Geographical relations between mortality from cancer of the esophagus, cirrhosis of the liver, alcohol and tobacco: case of the Province of Quebec] Thouez JP, et al. **Soc Sci Med** 1986;22(6):611–3 (Eng. Abstr.) (Fre)

[Obstructive airway diseases and cigarette smoking] Staguhn M, et al. **Dtsch Med Wochenschr** 1986 Mar 14; 111(11):405–10 (Eng. Abstr.) (Ger)

[Smoking and peptic ulcer disease] Dammann HG, et al. **Fortschr Med** 1986 Feb 20;104(7):143–6 (Eng. Abstr.) (Ger)

[Use of hyperbaric oxygen therapy in patients with tobacco-alcohol amblyopia] Kern M, et al. **Fortschr Ophthalmol** 1986;83(3):312–4 (Eng. Abstr.) (Ger)

[Effect of nicotine abuse on treatment results in primary irradiated cervical cancer] Kucera H, et al. **Geburtshilfe Frauenheilkd** 1986 Jun;46(6):388–90 (Eng. Abstr.) (Ger)

[Significance of age, relative body weight, smoking habits and alcohol drinking for the incidence of atherogenic lipid metabolism patterns] Seidel D, et al. **Lebensversicherungsmedizin** 1986 Mar 1;38(2):54–62 (Eng. Abstr.) (Ger)

[Isolation of smoker cells by determination of specific weight using centrifugation in a dense medium] Reiter C. **Prax Klin Pneumol** 1985 Sep;39(9):315–9 (Eng. Abstr.) (Ger)

[Imbalance of proteases in smokers: references for the important role of alveolar macrophages and cysteine proteases] Schmidt M, et al. **Prax Klin Pneumol** 1986 Jul; 40(7):301–5 (Eng. Abstr.) (Ger)

[Ultrastructure of alveolar macrophages in smokers and nonsmokers] Szüle P, et al. **Prax Klin Pneumol** 1986 Feb; 40(2):53–6 (Eng. Abstr.) (Ger)

[Smoking—passive smoking] Thron HL. **Schriftenr Ver Wasser Boden Lufthyg** 1985;65:123–43 (Ger)

[Verification of smoking habits in group studies by anamnesis or determination of serum thiocyanate level?] Maintz G, et al. **Z Erkr Atmungsorgane** 1986;166(2):200–5 (Eng. Abstr.) (Ger)

[Cigarette consumption of pregnant females in the country] Magdowski E, et al. **Z Gesamte Hyg** 1985 Sep;31(9):547–9 (Eng. Abstr.) (Ger)

[Smoking behavior and cytology of the cells of smokers] Reiter C. **Z Rechtsmed** 1985;95(3):167–73 (Eng. Abstr.) (Ger)

[Determination of the mutagenic activity of human urine—comparison of analytic methods] Esposito G, et al. **Boll Soc Ital Biol Sper** 1985 Jun 30;61(6):909–15 (Eng. Abstr.) (Ita)

[World Health Organization: viewpoint on the smoking epidemic] **Clin Ter** 1986 Jun 30;117(6):525–9 (Ita)

[The smoking problem] Tarentini Trojani F. **Clin Ter** 1986 Jul 31;118(2):149–52 (Eng. Abstr.) (Ita)

[Studies on the defense mechanisms of the respiratory system. III. Effect of inhaling cigarette smoke on the levels of immunoglobulins, lysozyme and antitrypsin in bronchial lavage fluids] Kado M. **Bull Chest Dis Res Inst Kyoto Univ** 1982 Mar;15(1–2):70–6 (Eng. Abstr.) (Jpn)

[Dietary habits among smokers] Mizuno S, et al. **Gan No Rinsho** 1986 May;32(6):625–9 (Eng. Abstr.) (Jpn)

[Cigarette smoking as a risk in cardiac diseases] Kimata S, et al. **Kokyu To Junkan** 1986 Apr;34(4):385–92 (Jpn)

[Effect of posture on respiratory functions in smokers] Masuda R, et al. **Masui** 1986 Apr;35(4):610–5 (Eng. Abstr.) (Jpn)

[Effects of cigarette smoking on endocrine function in man] Yao M, et al. **Masui** 1985 Aug;34(8):1105–14 (Eng. Abstr.) (Jpn)

[A study of the relationship between mite IgE in the serum of school children and smoking habits in mothers] Osaka F, et al. **Nippon Eiseigaku Zasshi** 1985 Oct;40(4):789–95 (Eng. Abstr.) (Jpn)

[Ethane expiration among smokers and non-smokers] Sakamoto M. **Nippon Eiseigaku Zasshi** 1985 Dec; 40(5):835–40 (Eng. Abstr.) (Jpn)

[A study on factors concerned with smoking behavior among pupils of junior high school. Part 1. Factors related to the first cigarette and the situation in smoking now] Shiramizu M, et al. **Nippon Eiseigaku Zasshi** 1985 Jun;40(2):596–604 (Eng. Abstr.) (Jpn)

[A study on factors concerned with smoking behavior among pupils of junior high school. Part 2. Knowledge of disease caused by smoking and the living environment associated with smoking behavior] Shiramizu M, et al. **Nippon Eiseigaku Zasshi** 1985 Aug;40(3):651–8 (Eng. Abstr.) (Jpn)

[Effects of cigarette smoking on choroidal circulation. I. Acute phase] Inoue Y. **Nippon Ganka Gakkai Zasshi** 1985 Nov;89(11):1236–41 (Eng. Abstr.) (Jpn)

[Carcinogen in the development of head and neck cancer (Part 4). The influence of smoking and drinking in cancer of the hypopharynx] Miyahara H, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1985 Sep;88(9):1141–5 (Eng. Abstr.) (Jpn)

[A study of surface morphology and function of human pulmonary alveolar macrophages] Fukushima K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Jul;23(7):757–66 (Eng. Abstr.) (Jpn)

[Comparison of the volume of isoflow and the SF6 closing volume] Nagashima T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Apr;23(4):444–9 (Eng. Abstr.) (Jpn)

[Cigarette smoking and lung metabolism—effect of cigarette smoking on blood level of leukotrienes in healthy volunteers] Uchida Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jan;24(1):16–9 (Eng. Abstr.) (Jpn)

[Frequency and effects of food intake, cigarette smoking and alcohol consumption among the residents in Hisayama, Kyushu Island, Japan. II. Relationship to total mortality, development of cerebrovascular diseases and malignant neoplasma during 15-year follow-up studies] Hirota Y, et al. **Nippon Ronen Igakkai Zasshi** 1986 Mar;23(2):163–71 (Eng. Abstr.) (Jpn)

[Effects of smoking on brain aging: II. Brain atrophy and smoking—a quantitative study with computed tomography] Kubota K, et al. **Nippon Ronen Igakkai Zasshi** 1985 Nov; 22(6):503–9 (Eng. Abstr.) (Jpn)

[Effects of smoking on brain aging. I. Cerebral blood flow and smoking—a study with the 133-xenon inhalation method] Kubota K, et al. **Nippon Ronen Igakkai Zasshi** 1985 May;22(3):245–50 (Eng. Abstr.) (Jpn)

[Analysis of mutagenicity in the urine of young male smokers and non-smokers] Kawano H, et al. **Sangyo Igaku** 1985 May;27(3):166–7 (Jpn)

[Smoking and stomach ulcer] Berstad A. **Tidsskr Nor Laegeforen** 1985 Oct 20;105(29):2049–51 (Eng. Abstr.) (Nor)

[Effect of smoking on the secretion of immunoreactive insulin (IRI) induced by the administration of L-arginine or glucagon] Wójcik J, et al. **Endokrynol Pol** 1985;36(5):263–9 (Eng. Abstr.) (Pol)

[Increased levels of cadmium in the placenta and urine of women smokers] Jendryczko A, et al. **Ginekol Pol** 1985 Oct;56(10):592–6 (Eng. Abstr.) (Pol)

[Correlation between the biological risk factors of arteriosclerosis and disorders of the central regulation of behavior in persons under 50 years of age. II] Ostrowski TM. **Kardiol Pol** 1985;28(6):404–14 (Eng. Abstr.) (Pol)

[Smoking and cancer risk in persons occupationally exposed to asbestos dust] Szeszenia-Dabrowska N. **Med Pr** 1985; 36(4):251–6 (15 ref.) (Eng. Abstr.) (Pol)

[Relative risk of laryngeal cancer among stationary and migrant male populations in relation to smoking] Zemla B, et al. **Otolaryngol Pol** 1985;39(4):294–300 (Eng. Abstr.) (Pol)

[Tobacco smoking and lung diseases] Juchniewicz M, et al. **Pneumonol Pol** 1986 May;54(5):180–5 (Eng. Abstr.) (Pol)

[The tobacco smoking habit among the personnel of the Institute of Tuberculosis and the Infectious Disease Hospital No. 1 in Warsaw] Kościńska M, et al. **Pneumonol Pol** 1986 May;54(5):186–90 (Eng. Abstr.) (Pol)

[Results of measurements of maximal midexpiratory flow rate in healthy persons] Miller M. **Pneumonol Pol** 1985 Nov–Dec;53(11–12):505–10 (Eng. Abstr.) (Pol)

[Evaluation of various psychological indicators of behavior in patients with biological risk factors in arteriosclerosis] Ostrowski TM. **Pol Tyg Lek** 1985 Nov 18–25; 40(46–47):1295–9 (Eng. Abstr.) (Pol)

[Effect of tobacco smoking on human hematopoietic and immune systems] Lisiewicz J, et al. **Postepy Hig Med Dosw** 1985 Jul–Aug;39(4):383–406 (107 ref.) (Eng. Abstr.) (Pol)

[Risk factors and the development of ischemic heart disease during a 6-year observation of male population. V. Evaluation of probability of the development of myocardial infarction using risk function calculated for different populations] Magdoń M. **Przegl Lek** 1985;42(12):784–8 (Eng. Abstr.) (Pol)

[Risk factors and the development of ischemic heart disease during 6 years' observation of the male population. IV. Evaluation of the probability of occurrence of the disease] Magdoń M. **Przegl Lek** 1985;42(9):650–6 (Eng. Abstr.) (Pol)

[Incidence of the smoking habit in the population of men from 8 industrial plants in Wrocław] Pikiewicz K, et al. **Przegl Lek** 1985;42(6):528–31 (Eng. Abstr.) (Pol)

[Interaction between smoking and drugs] Kimelski R. **Wiad Lek** 1986 Jan 1;39(1):31–4 (7 ref.) (Eng. Abstr.) (Pol)

[Cumulative effects of smoking and exposure to asbestos on the development of various neoplasms] Michalczak W. **Wiad Lek** 1986 Jan 15;39(2):97–100 (53 ref.) (Pol)

[Effect of long-term tobacco smoking on functional changes of the adrenergic system] Przegaliński J, et al. **Wiad Lek** 1986 Jan 15;39(2):73–9 (Eng. Abstr.) (Pol)

[Comparison of the clinical course and secretory activity of the stomach in smoking and non-smoking patients with peptic ulcer] Szymański Z, et al. **Wiad Lek** 1985 Jul 15; 38(14):1001–4 (Eng. Abstr.) (Pol)

[Epidemiological survey of smoking habits among medical students in the State of São Paulo] Szego T, et al. **AMB** 1985 Jan–Feb;31(1–2):13–6 (Eng. Abstr.) (Por)

[Effect of carbon monoxide on cardiovascular system] Pasqualucci CA. **Arq Bras Cardiol** 1985 Sep;45(3):151–6 (89 ref.) (Por)

[Maternal nutritional status and smoking habits, intrauterine and postnatal growth] de Siqueira AA, et al. **Rev Saude Publica** 1985 Feb;19(1):37–50 (Eng. Abstr.) (Por)

[Changes in the sensitivity of the body to triiodothyronine and adrenaline as a result of smoking] Kosenkov NI. **Fiziol Cheloveka** 1985 Jul–Aug;11(4):686–7 (Rus)

[Significance of noise exposure, age, body mass and smoking in the development of occupational hearing impairment] Ianish R. **Gig Tr Prof Zabol** 1986 Apr;(4):20–3 (Eng. Abstr.) (Rus)

[Smoking and the status of the cardiorespiratory system in patients with exertion-induced stenocardia] Makhmudov BKh, et al. **Kardiologiia** 1986 May;26(5):58–61 (Eng. Abstr.) (Rus)

[Effect of smoking on the respiratory function of the lungs in adolescents] Kuznetsova TD, et al. **Pediatriia** 1985 May; (5):26–8 (Eng. Abstr.) (Rus)

[Effect of tobacco smoking on the effectiveness of the physical rehabilitation of patients with chronic bronchitis at a health resort] Navrotskiĭ VV, et al. **Probl Tuberk** 1986; (3):31–4 (Eng. Abstr.) (Rus)

[Psychological and pathogenetic aspects of cardiovascular lesions in smokers] Davydova LI, et al. **Sov Med** 1986; (3):11–4 (Eng. Abstr.) (Rus)

[Effect of tobacco smoking on visual work capacity] Niurenberg OIu. **Vestn Oftalmol** 1986 Jan–Feb;102(1):42–4 (Eng. Abstr.) (Rus)

[Mechanism of development of cancer of the larynx] Glagolev IuM. **Vestn Otorinolaringol** 1986 Jul–Aug; (4):63–7 (Eng. Abstr.) (Rus)

[Characteristics of the nonvolatile substances in the expired air of smokers and chronic bronchitis patients] Dobrykh VA, et al. **Vrach Delo** 1986 Feb;(2):74–7 (Eng. Abstr.) (Rus)

[General antitrypsin activity in the blood of smokers] German AK, et al. **Vrach Delo** 1986 Mar;(3):50–1 (Eng. Abstr.) (Rus)

[Status of various components of the oxygen-transport function of the blood in smokers] German AK, et al. **Vrach Delo** 1986 Jun;(6):43–6 (Eng. Abstr.) (Rus)

[Effect of tobacco smoking on respiratory function] Shelygina NM, et al. **Vrach Delo** 1985 Dec;(12):29–31 (Eng. Abstr.) (Rus)

[The effect of smoking on motor activity and heart function in the fetus] Danko J, et al. **Bratisl Lek Listy** 1986 Jun; 85(6):680–6 (Eng. Abstr.) (Slo)

[Physical activity, smoking and obesity in relation to HDL-cholesterol in 18-year-olds] Baloga S, et al. **Vnitr Lek** 1985 Jul;31(7):700–5 (Eng. Abstr.) (Slo)

[The tobacco habit among children] López Rois F, et al. **An Esp Pediatr** 1985 Oct 15;23(4):241–5 (Eng. Abstr.) (Spa)

[The harmfulness of tobacco] Gilsanz García V. **An R Acad Nac Med (Madr)** 1985;102(4):403–30 (Spa)

[Evaluation of tobacco-related main artery vasoconstriction by a new index of the Doppler wave] Sancho A, et al. **Angiologia** 1986 Mar–Apr;38(2):100–5 (Eng. Abstr.) (Spa)

[Tobacco as a risk factor in cancer of the bladder] Bravo P, et al. **Arch Esp Urol** 1986 May;39(4):237–40 (Eng. Abstr.) (Spa)

[Tobacco addiction and the immune system: II. Production of the cellular migration inhibitory factor in the presence of tobacco extract as an antigen, in patients with extrinsic bronchial asthma] Bernal–Madrazo MA, et al. **Gac Med Mex** 1985 May–Jun;121(5–6):195–8 (Spa)

[Tobacco and gastric secretion] Navarro Colás S. **Med Clin (Barc)** 1985 Oct 12;85(11):451–2 (Spa)

[Smoking addiction: an epidemic of our time] Pardell Alenta H. **Med Clin (Barc)** 1985 Oct 26;85(13):539–41 (Spa)

[Epidemiology of smoking in the adult population of Catalunya. I. Prevalence of the habit] Salleras Sanmartí L, et al. **Med Clin (Barc)** 1985 Oct 26;85(13):525–8 (Eng. Abstr.) (Spa)

[Epidemiology of smoking in the adult population of Catalunya. II. Attitude factors] Villalbí Hereter JR, et al. **Med Clin (Barc)** 1985 Oct 26;85(13):529–32 (Eng. Abstr.) (Spa)

[Tobacco and chronic bronchitis. Early detection of pulmonary function changes in smokers] Astrada G, et al. **Rev Fac Cien Med Univ Nac Cordoba** 1984;42(3):17–21 (Eng. Abstr.) (Spa)

[Longitudinal study of the smoking habit among students of Catholic University. I. Habit characteristics in those entering from 1982 to 1984] Cruz E, et al. **Rev Med Chil** 1985 Dec;113(12):1231–9 (Eng. Abstr.) (Spa)

[Cigarette consumption and food habits in patients with peptic ulcer and gastric cancer] Llanos J, et al. **Rev Med Chil** 1985 May;113(5):433–5 (Eng. Abstr.) (Spa)

[Smoking among physicians and medical students] Medina E, et al. **Rev Med Chil** 1985 Jul;113(7):688–94 (Eng. Abstr.) (Spa)

[Attitudes and behavior concerning the smoking habit among health professionals] **Rev Sanid Hig Publica (Madr)** 1985 Jan–Feb;59(1–2):203–11 (Spa)

[Tobacco consumption among the population of Vizcaya] Barranquero Arola M, et al. **Rev Sanid Hig Publica (Madr)** 1985 Jan–Feb;59(1–2):101–15 (Eng. Abstr.) (Spa)

[Epidemiology of alcohol and tobacco consumption in students of the University of Oviedo] Bobes García J, et al. **Rev Sanid Hig Publica (Madr)** 1985 Mar–Apr; 59(3–4):381–94 (Eng. Abstr.) (Spa)

[Initiation of the smoking habit among the student population in Móstoles] Herce Garraleta P, et al. **Rev Sanid Hig Publica (Madr)** 1985 Sep–Oct; 59(9–10):1137–54 (Eng. Abstr.) (Spa)

HISTORY

Molière and the smoking pandemic. Burnham HA. **NY State J Med** 1986 Feb;86(2):108–9

Luther Terry, MD, 1911–1985. A caring, courageous man. Califano JA Jr. **NY State J Med** 1985 Jul;85(7):293

Mixed messages for women. A social history of cigarette smoking and advertising. Ernster VL. **NY State J Med** 1985 Jul;85(7):335–40

The history of policy formation on cigarette use. Perlman H. **Pa Med** 1986 Jul;89(7):25–8

PREVENTION & CONTROL

Smoking control in a hospital setting. Dawley HH, et al. **Addict Behav** 1985;10(4):351–5

Hypnosis and behavioral treatment in a worksite smoking cessation program. Frank RG, et al. **Addict Behav** 1986; 11(1):59–62

Self–control skills for preventing smoking. Gilchrist LD, et al. **Addict Behav** 1986;11(2):169–74

A comparison of current smokers and self–cured quitters on Rosenbaum's Self Control Schedule. Katz RC, et al. **Addict Behav** 1986;11(1):63–5

Long–term effects of cessation of smoking on body weight, blood pressure and serum cholesterol in the middle–aged population with high blood pressure. Tuomilehto J, et al. **Addict Behav** 1986;11(1):1–9

The war against tobacco [editorial] Houston T, et al. **Am Fam Physician** 1986 Apr;33(4):98, 100

Coronary heart disease death, nonfatal acute myocardial infarction and other clinical outcomes in the Multiple Risk Factor Intervention Trial. Multiple Risk Factor Intervention Trial Research Group. **Am J Cardiol** 1986 Jul 1;58(1):1–13

Differences noted in quit smoking manuals [letter] Buxton T. **Am J Public Health** 1986 Aug;76(8):1034–5

Worksite smoking modification competitions: long–term vs short–term success [letter] Hessol NA. **Am J Public Health** 1986 Jul;76(7):819–20

A worksite smoking modification competition: potential for public health impact. Klesges RC, et al. **Am J Public Health** 1986 Feb;76(2):198–200

Evaluation of smoking prohibition policy in a health maintenance organization. Rosenstock IM, et al. **Am J Public Health** 1986 Aug;76(8):1014–5

The practices of general and subspecialty internists in counseling about smoking and exercise. Wells KB, et al. **Am J Public Health** 1986 Aug;76(8):1009–13

The effectiveness of smoking cessation methods for smokers in public health maternity clinics: a randomized trial. Windsor RA, et al. **Am J Public Health** 1985 Dec; 75(12):1389–92

Pharmacists' 'Helping Smokers Quit' program. Koop CE. **Am Pharm** 1986 Jul;NS26(7):25–33

Smoking and pregnancy. Koop CE. **Am Pharm** 1986 Jul; NS26(7):34–5

Methods for stopping cigarette smoking. Health and Public Policy Committee, American College of Physicians. **Ann Intern Med** 1986 Aug;105(2):281–91

Legal approaches to smoking deterrence. Walsh DC, et al. **Annu Rev Public Health** 1986;7:127–49 (86 ref.)

Smokeless society by 2000' debated [letter] Elder MJ. **Arch Intern Med** 1986 Jan;146(1):208

Give a priceless gift this year [editorial] Bailey BJ. **Arch Otolaryngol** 1985 Dec;111(12):777–8

Australian College of Paediatrics. Policy statement: Smoking. **Aust Paediatr J** 1985 Nov;21(4):235

Restricted environmental stimulation therapy and aversive conditioning in smoking cessation: active and placebo effects. Suedfeld P, et al. **Behav Res Ther** 1986;24(4):421–8

Treatments for cigarette smoking: an evaluation of the contributions of aversion and counseling procedures. Tiffany ST, et al. **Behav Res Ther** 1986;24(4):437–52

Smoking: the case for advising a patient to stop. Branson D. **Br Dent J** 1986 Jan 11;160(1):21

Data note—1. Alcohol, tobacco and taxation. Godfrey C, et al. **Br J Addict** 1986 Feb;81(1):143–9

Government policy, advertizing and tobacco consumption in the U.K. A critical review of the literature. Godfrey C. **Br J Addict** 1986 Jun;81(3):339–46

Could nicotine antagonists be used in smoking cessation? Stolerman IP. **Br J Addict** 1986 Feb;81(1):47–53

Government hypocrisy on drugs [editorial] **Br Med J [Clin Res]** 1986 Mar 15;292(6522):712–3

Helping people to stop smoking: randomised comparison of groups being treated with acupuncture and nicotine gum with control group. Clavel F, et al. **Br Med J [Clin Res]** 1985 Nov 30;291(6508):1538–9

Effects of strong government measures against tobacco in Hong Kong. Mackay JM, et al. **Br Med J [Clin Res]** 1986 May 31;292(6533):1435–7

Three year evaluation of a programme by general practitioners to help patients to stop smoking. Richmond RL, et al. **Br Med J [Clin Res]** 1986 Mar 22;292(6523):803–6

Practice nurses and antismoking education. Sanders DJ, et al. **Br Med J [Clin Res]** 1986 Feb 8;292(6517):381–3

Thunder Bay's reaction to a non–smoking bylaw. Crossman J. **Can J Public Health** 1985 Nov–Dec;76(6):412–3

Change in variables related to smoking from childhood to late adolescence: an eight year longitudinal study of a cohort of elementary school students. Pederson LL. **Can J Public Health** 1986 May–Jun;77 Suppl 1:33–9

Smoking: when it's time to quit. Wilson EE. **Can J Public Health** 1985 Jul–Aug;76(4):274–5

Nicotine withdrawal at 10 000 m [editorial] Allen ME. **Can Med Assoc J** 1986 Aug 1;135(3):194

Physicians for a Smoke–Free Canada [editorial] Rosser WW. **Can Med Assoc J** 1985 Dec 1;133(11):1115–6

Counselling on smoking [letter] Stewart PJ. **Can Med Assoc J** 1986 Jul 15;135(2):105–6

Smoking: it's time we stopped moralizing about a health issue. Waugh D. **Can Med Assoc J** 1985 Oct 15;133(8):798–9

International control of smoking and the US experience. Cullen JW, et al. **Chest** 1986 Apr;89(4 Suppl):206S–218S

Silver acetate gum as a deterrent to smoking. Malcolm R, et al. **Chest** 1986 Jul;90(1):107–11

Public policy on smoking and health: toward a smoke–free generation by the year 2000. A statement of a working group to the Subcommittee on Smoking of the American Heart Association. Warner KE, et al. **Circulation** 1986 Feb; 73(2):381A–395A

Cigarette smoking. Health effects and cessation strategies. Sachs DP. **Clin Geriatr Med** 1986 May;2(2):337–62 (121 ref.)

Effects of nicotine chewing gum on cigarette smoking and subjective and physiologic effects. Nemeth–Coslett R, et al. **Clin Pharmacol Ther** 1986 Jun;39(6):625–30

Transdermal nicotine reduces cigarette craving and nicotine preference. Rose JE, et al. **Clin Pharmacol Ther** 1985 Oct; 38(4):450–6

Self–help computer conferencing. Schneider SJ, et al. **Comput Biomed Res** 1986 Jun;19(3):274–81

Guidelines for administrators creating smoke–free hospitals. Noble KA, et al. **Dimens Health Serv** 1986 Apr;63(3):24–6

Nicorette—an update. **Drug Ther Bull** 1985 Aug 27; 23(17):67–8

Smoking control programmes. Lehrl S, et al. **Eur J Respir Dis [Suppl]** 1985;139:35–8

The ABCs of adolescent smoking prevention: an environment and skills model. Elder JP, et al. **Health Educ Q** 1986 Summer;13(2):181–91

Never smokers, triers and current smokers: three distinct target groups for school–based antismoking programs. Gordon NP. **Health Educ Q** 1986 Summer;13(2):163–79

Skills methods to prevent smoking. Schinke SP, et al. **Health Educ Q** 1986 Spring;13(1):23–7

Guidelines and methodological standards for smoking cessation intervention research among pregnant women: improving the science and art. Windsor RA, et al. **Health Educ Q** 1986 Summer;13(2):131–61

Psychosocial approaches to smoking prevention: a review of findings. Flay BR. **Health Psychol** 1985;4(5):449–88 (109 ref.)

Preventing adolescent smoking: what have we learned about treatment construct validity? McCaul KD, et al. **Health Psychol** 1985;4(4):361–87

Preventing tobacco use among young people. Schinke SP, et al. **Health Soc Work** 1986 Winter;11(1):59–65

The public is ready for smoke–free zones. Steiber S. **Hospitals** 1986 Aug 5;60(15):69

Fifteen–month follow–up results of an elementary school based smoking prevention project. Resisting pressures to smoke. Dielman TE, et al. **Hygie** 1985 Dec;4(4):28–35

Will quitting smoking help Medicare solve its financial problems? Wright VB. **Inquiry** 1986 Spring;23(1):76–82

Characteristics affecting successful outcome in the cessation of smoking. Barnes GE, et al. **Int J Addict** 1985 Sep; 20(9):1429–34

The discouragement of smoking in a hospital setting. Dawley HH Jr, et al. **Int J Addict** 1985 May;20(5):783–93

Perceived helpfulness of messages on a community–based telephone support service for ex–smokers. Shapiro RM, et al. **Int J Addict** 1985 Nov–Dec;20(11–12):1837–47

Spontaneous remission from the problematic use of substances: an inductive model derived from a comparative analysis of the alcohol, opiate, tobacco, and food/obesity literatures. Stall R, et al. **Int J Addict** 1986 Jan;21(1):1–23

A three–year follow–up of hypnosis and restricted environmental stimulation therapy for smoking. Barabasz AF, et al. **Int J Clin Exp Hypn** 1986 Jul;34(3):169–81

Evaluation of a smoking cessation programme [letter] Colditz GA. **Int J Epidemiol** 1986 Mar;15(1):142–3

Evaluation of general practitioners' use of a smoking intervention programme. Richmond R, et al. **Int J Epidemiol** 1985 Sep;14(3):396–401

Help your patients kick the cigarette habit. Ferguson KJ, et al. **Iowa Med** 1985 Nov;75(11):495–7

Tobacco use: prevention and control. Cullen JW. **Isr J Med Sci** 1986 Mar–Apr;22(3–4):283–300

Skills–building methods to prevent smoking by adolescents. Schinke SP, et al. **J Adolesc Health Care** 1985 Nov; 6(6):439–44

Playing with fire: women and tobacco. McGoldrick KE. **J Am Med Wom Assoc** 1986 Jan–Feb;41(1):2, 28

Contingent payment procedures for smoking reduction and cessation. Stitzer ML, et al. **J Appl Behav Anal** 1986 Summer;19(2):197–202

Trying to stop smoking: effects of perceived addiction, attributions for failure, and expectancy of success. Eiser JR, et al. **J Behav Med** 1985 Dec;8(4):321–41

Attrition in prevention research. Hansen WB, et al. **J Behav Med** 1985 Sep;8(3):261–75

The multiple dangers of smoking [letter] Edwards HB. **J Clin Psychiatry** 1986 Apr;47(4):218

Stepping backward in order to step forward: an acquisition–oriented approach to primary prevention. Chassin LA, et al. **J Consult Clin Psychol** 1985 Oct; 53(5):612–22

Quitting smoking: strategies used and variables associated with success in a stop–smoking contest. Glasgow RE, et al. **J Consult Clin Psychol** 1985 Dec;53(6):905–12

Social support and smoking cessation and maintenance. Mermelstein R, et al. **J Consult Clin Psychol** 1986 Aug; 54(4):447–53

When is the critical moment to provide smoking education at schools? Chen TT, et al. **J Drug Educ** 1986;16(2):121–33

Effectiveness evaluation of smoking, drug, and alcohol education courses via actual relevant behavior (the smoking education curriculum MSACS as an illustrative case study). Zoller U, et al. **J Drug Educ** 1986;16(1):1–12

A randomized controlled trial of hypnotherapy for smoking cessation. Lambe R, et al. **J Fam Pract** 1986 Jan;22(1):61–5

Institutional tobacco withdrawal symptoms. Cohen SB. **J Med Assoc Ga** 1986 May;75(5):261–3

Socioeconomic and cultural implications of health interventions: the case of smoking in Ethiopia. Kitaw Y. **J Public Health Policy** 1986 Summer;7(2):198–204

The quest for a smoke–free young America by the year 2000. Koop CE. **J Sch Health** 1986 Jan;56(1):8–9

Reasons to quit: two antismoking activities for youth. McNab WL. **J Sch Health** 1986 Jan;56(1):31–2

The double triumph: sustained sobriety and successful cigarette smoking cessation. Bobo JK, et al. **J Subst Abuse Treat** 1986;3(1):21–5

Tobaccoism is the disease—cancer is the sequela [editorial] Bailey BJ. **JAMA** 1986 Apr 11;255(14):1923

Legislative action on tobacco and smoking [letter] Hatch OG. **JAMA** 1986 Jun 20;255(23):3244

Many brands of cessation plans lure smokers [news] Marwick C. **JAMA** 1986 Feb 28;255(8):998–9, 1004

Cost–effectiveness of nicotine gum as an adjunct to physician's advice against cigarette smoking. Oster G, et al. **JAMA** 1986 Sep 12;256(10):1315–8

World cigarette pandemic [editorial] **Lancet** 1985 Nov 2; 2(8462):989

Low–tar cigarettes put to the test [letter] Holland WW, et al. **Lancet** 1986 Jul 19;2(8499):156

Assault on AIDS and smoking. McKie D. **Lancet** 1985 Dec 14;2(8468):1371

Impact of nationwide anti–smoking campaign [letter] Williams BT, et al. **Lancet** 1985 Oct 19;2(8460):890

If smoking killed baby seals...[editorial] Armstrong BA. **Med J Aust** 1986 Jul 7;145(1):1

Calling it quits [editorial] Armstrong BK. **Med J Aust** 1986

Mar 31;144(7):337
Policy statements on smoking [editorial] Bury G. **Med J Aust** 1986 Jan 6;144(1):4–5
Evaluation of the Sydney "Quit. For Life" anti-smoking campaign. Part 2. Changes in smoking prevalence. Dwyer T, et al. **Med J Aust** 1986 Mar 31;144(7):344–7
Thoracic Society of Australia. Smoking control policy. Musk AW, et al. **Med J Aust** 1986 Jan 6;144(1):28–9
Evaluation of the Sydney "Quit. For Life" anti-smoking campaign. Part 1. Achievement of intermediate goals. Pierce JP, et al. **Med J Aust** 1986 Mar 31;144(7):341–4
Smoking: our business, our responsibility. Craig ME. **Minn Med** 1986 Jan;69(1):5
Hiring only non-smokers. An employer's legal right. Kottke TE. **Minn Med** 1986 Jun;69(6):371
More on lawsuits as an anti-smoking strategy [letter] **N Engl J Med** 1986 Jul 31;315(5):325
Tobacco-products liability lawsuits as an anti-smoking strategy [letter] Charney ML. **N Engl J Med** 1986 Feb 27;314(9):587
The campaign against smoking gains momentum. Iglehart JK. **N Engl J Med** 1986 Apr 17;314(16):1059–64
Ban on smoking in industry [letter] Martin MJ, et al. **N Engl J Med** 1986 Sep 4;315(10):647–8
A national foundation for a smoke-free society, financed by tobacco taxes [letter] Nordenstam GR. **N Engl J Med** 1986 Jul 24;315(4):265
Smoke-free facilities in the Indian Health Service [letter] Rhoades ER, et al. **N Engl J Med** 1985 Dec 12;313(24):1548
The risk of myocardial infarction after quitting smoking in men under 55 years of age. Rosenberg L, et al. **N Engl J Med** 1985 Dec 12;313(24):1511–4
Methodological issues in research on smoking prevention. Biglan A, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1985; 63:170–95
Priorities in research in smoking prevention. Cook TD. **Natl Inst Drug Abuse Res Monogr Ser** 1985;63:196–220
Nicotine chewing gum in smoking cessation: efficiency, nicotine dependence, therapy duration, and clinical recommendations. Fagerstrom KO, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1985;53:102–9
What we know about the social influences approach to smoking prevention: review and recommendations. Flay BR. **Natl Inst Drug Abuse Res Monogr Ser** 1985;63:67–112
Social and personal skills training programs for smoking prevention: critique and directions for future research. Glasgow RE, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1985;63:50–66
A cognitive developmental approach to smoking prevention. Glynn K, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1985; 63:130–52
Tobacco use, treatment strategies, and pharmacological adjuncts: an overview. Grabowski J, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1985;53:1–14 (38 ref.)
Psychological and pharmacological approaches to smoking relapse prevention. Hall SM, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1985;53:131–43
The titration hypothesis revisited: nicotine gum reduces smoking intensity. Herning RI, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1985;53:27–41
The social influences approach to smoking prevention and progress toward an integrated smoking elimination strategy: a critical commentary. Lando HA. **Natl Inst Drug Abuse Res Monogr Ser** 1985;63:113–29
The cognitive developmental model and other alternatives to the social skills deficit model of smoking onset. McCarthy WJ. **Natl Inst Drug Abuse Res Monogr Ser** 1985; 63:153–69
Theoretical background and clinical use of nicotine chewing gum. Russell MA, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1985;53:110–30
Innovation in Iceland: graphic health warnings on tobacco products. Blöndal T, et al. **NY State J Med** 1985 Jul; 85(7):405–6
If smoking killed baby seals....[editorial] Blum A. **NY State J Med** 1985 Jul;85(7):282–5
Obstacles to the prevention of teenage smoking [interview by Alan Blum] Califano JA Jr. **NY State J Med** 1985 Jul; 85(7):360–2
Competing agenda in smoking control agencies. "Those who pay the piper ...". Chapman S. **NY State J Med** 1985 Jul; 85(7):287–9
Helping youth decide: "when the fox preaches, beware the geese". Coulson WR. **NY State J Med** 1985 Jul;85(7):357–8
An assessment of the effectiveness of nicotine chewing gum: unfulfilled expectations. Feldman J. **NY State J Med** 1985 Jul;85(7):378–80
Ending the social acceptability of smoking and tobacco advertising in New Zealand. Kent D. **NY State J Med** 1985 Jul;85(7):422–4
An attempt to circumvent the ban on cigarette advertising in Norway. Kjønstad A. **NY State J Med** 1985 Jul; 85(7):403–4
A smoke-free society by the year 2000. Koop CE. **NY State J Med** 1985 Jul;85(7):290–2
The clinician and smoking in Great Britain. Lane DJ. **NY State J Med** 1985 Jul;85(7):391–3
Israel: gaining momentum against smoking and cigarette advertising. Papier CM. **NY State J Med** 1985 Jul; 85(7):416–9
Economic dependence on tobacco manufacturing in Northern Ireland. An obstacle to prevention. Scally GJ. **NY State J Med** 1985 Jul;85(7):396–9
Slow but steady progress against smoking in Ireland. Shelley EB. **NY State J Med** 1985 Jul;85(7):400–2
The comprehensive Smoking Education Act. Waxman HA. **NY State J Med** 1985 Jul;85(7):363–5
Adolescent smoking [letter] Hassall IB. **NZ Med J** 1986 Mar 12;99(797):169
Smoking cessation [letter] Robinson GM. **NZ Med J** 1986 Aug 13;99(807):598–9
Star wars versus tar wars. Davis JM. **Pa Med** 1986 Jul; 89(7):30
Call for a smoke-free society [editorial] Koop CE. **Pediatr Pulmonol** 1985 Jan–Feb;1(1):4–5
Sensory blockade of smoking satisfaction. Rose JE, et al. **Pharmacol Biochem Behav** 1985 Aug;23(2):289–93
Smoking intervention in the workplace: review and recommendations. Hallett R. **Prev Med** 1986 May; 15(3):213–31 (87 ref.)
Spirometric "lung age" estimation for motivating smoking cessation. Morris JF, et al. **Prev Med** 1985 Sep;14(5):655–62
A survey of physicians' views and practices on patient education for smoking cessation. Rimer BK, et al. **Prev Med** 1986 Jan;15(1):92–8
The role of the physician in changing patients' smoking behavior: results of a survey of physicians. Rimer B, et al. **Prog Clin Biol Res** 1986;216:59–70
Minnesota plan for nonsmoking and health: multidisciplinary approach to risk factor control. Dean AG, et al. **Public Health Rep** 1986 May–Jun;101(3):270–7
Lung cancer rates are alarming and are NCI's greatest challenge [letter] DeVita VT Jr. **Public Health Rep** 1986 Jan–Feb;101(1):5
Of oaks and acorns—student ideas on prevention [editorial] Hatch TD. **Public Health Rep** 1986 Jan–Feb;101(1):3–5
Helping pregnant women to stop smoking [editorial] Heckler MM. **Public Health Rep** 1985 Sep–Oct;100(5):back cover
Smoking and smokeless tobacco use among adolescents: trends and intervention results. Schinke SP, et al. **Public Health Rep** 1986 Jul–Aug;101(4):373–8
Health policy and the emerging tobacco reality. Milio N. **Soc Sci Med** 1985;21(6):603–13
Effect of a "stop smoking" booklet on smokers attending for chest radiography: a controlled study. Campbell IA, et al. **Thorax** 1986 May;41(5):369–71
Tobacco—its role in the economy and the health of African countries. **WHO Chron** 1985;39(3):104–6
[The World Health Organization goes full steam ahead in its fight against smoking] Holý J. **Cas Lek Cesk** 1986 Jul 11;125(28):879–80 **(Cze)**
[Influence of anti-tobacco campaigns on the smoking behavior seen in Belgian Army recruits (the 1980 draft)] Vuylsteek K, et al. **Arch Belg** 1985;43(3–4):124–36 (Eng. Abstr.) **(Dut)**
[Strategies to promote non-smoking] Baan B. **Ned Tijdschr Geneeskd** 1986 Jun 21;130(25):1132–9 **(Dut)**
[Smoking: French pneumologists are too discreet (editorial)] Durieux P. **Rev Mal Respir** 1986;3(3):121–2 **(Fre)**
[Anti-smoking campaign in an average French department, la Drôme; epidemiological analysis and prospects for the future] Drouin B, et al. **Rev Pneumol Clin** 1984;40(4):237–42 (Eng. Abstr.) **(Fre)**
[Smoking cessation, but how?] Forth W. **Klin Wochenschr** 1986 May 15;64(10):486–8 **(Ger)**
[Cigarette smoking—what help can the physician give adolescents?] Semmer N, et al. **Off Gesundheitswes** 1986 Feb;48(2):69–74 (Eng. Abstr.) **(Ger)**
[Prevention of the cigarette smoking habit by the administration of a chewing gum containing nicotine] Benevolo E, et al. **Clin Ter** 1985 Jul 31;114(2):99–104 (Eng. Abstr.) **(Ita)**
[Primary prevention in the young. Methodology and initial results of a smoking prevention program for adolescents] Arciti C, et al. **Minerva Med** 1986 May 12;77(20):853–60 (Eng. Abstr.) **(Ita)**
[Methods of breaking the cigarette smoking habit] Górecka D, et al. **Pneumonol Pol** 1986 May;54(5):205–11 (15 ref.) **(Pol)**
[A society without tobacco smoke?] Pregowski W. **Pneumonol Pol** 1986 May;54(5):173–9 (Eng. Abstr.) **(Pol)**
[The physician's role in controlling the tobacco smoking habit in Poland] Zieliński J. **Pneumonol Pol** 1986 May; 54(5):169–72 **(Pol)**
[Effect of acenocoumarol and tobacco smoking on the remote results of corrective procedures in atherosclerotic arterial occlusion of the lower extremities] Listewnik MJ, et al. **Pol Tyg Lek** 1985 Oct 28;40(43):1197–201 (Eng. Abstr.) **(Pol)**
[Bases for the anti-tobacco campaign plan of the provincial government of Catalonia] Salleras Sanmartí L, et al. **Rev Sanid Hig Publica (Madr)** 1985 May–Jun; 59(5–6):705–13 (Eng. Abstr.) **(Spa)**
[Current strategies of the anti-tobacco campaign] Salleras Sanmartín L. **Rev Sanid Hig Publica (Madr)** 1985 Jul–Aug; 59(7–8):863–906 (Eng. Abstr.) **(Spa)**

SMOKING, PASSIVE see **TOBACCO SMOKE POLLUTION**

SNAILS

Epidemiological features of snail and slug bait poisoning in dogs and cats. Studdert VP. **Aust Vet J** 1985 Aug; 62(8):269–71
Purification and characterization of an antibacterial factor from snail mucus. Kubota Y, et al. **Comp Biochem Physiol [C]** 1985;82(2):345–8
Fish predation as a factor in the distribution of Lake Malawi gastropods. McKaye KR, et al. **Exp Biol** 1986;45(4):279–89
Classical conditioning of Hermissenda: origin of a new response. Lederhendler II, et al. **J Neurosci** 1986 May; 6(5):1325–31
Molluscicidal properties of Acacia nilotica subspecies tomentosa and astringens I. Hussein Ayoub SM. **J Trop Med Hyg** 1985 Jun;88(3):197–9
Molluscicidal properties of Acacia nilotica subspecies tomentosa and astringens II. Hussein Ayoub SM. **J Trop Med Hyg** 1985 Jun;88(3):201–3
Ethiopian plants with proven and suspected molluscicidal activity: a new approach in plant evaluation. Kloos H, et al. **J Trop Med Hyg** 1985 Jun;88(3):189–96
Population studies on Oncomelania quadrasi, the snail intermediate host of Schistosoma japonicum, in the Philippines. 5. Quantitative analysis on successful snail control by land reclamation. Makiya K, et al. **Jpn J Exp Med** 1986 Apr;56(2):81–7
Medically important snails of Kinmen (Quemoy) Islands. Chao D, et al. **Southeast Asian J Trop Med Public Health** 1985 Sep; 16(3):480–4
Snail control in relation to a strategy for reduction of morbidity due to schistosomiasis. McCullough F. **Trop Med Parasitol** 1986 Jun;37(2):181–4
Trials on focal molluscicide application in larger irrigation canals and lakes in Mali. Madsen H, et al. **Trop Med Parasitol** 1986 Mar;37(1):22–4

ANALYSIS

Structural studies on glycolipids of shellfish. V. Gala-6 series glycosphingolipids of the marine snail, Chlorostoma argyrostoma turbinatum. Matsubara T, et al. **J Biochem (Tokyo)** 1986 May;99(5):1401–8

EMBRYOLOGY

Three morphogenetic waves in early development of Physa acuta (Gastropoda, Pulmonata). Vela JA. **Cell Biol Int Rep** 1985 Oct;9(10):939–43

GENETICS

Inheritance of isozyme phenotype at three loci in the freshwater snail, Goniobasis proxima: mother–offspring analysis and an artificial introduction. Dillon RT Jr. **Biochem Genet** 1986 Apr;24(3–4):281–90
Karyotype delineation in Isidora truncata (Gastropoda: Planorbidae). Lecis AR, et al. **Parasitologia** 1983 Apr; 25(1):41–8

GROWTH & DEVELOPMENT

[Comparison of growth rate of Helisoma duryi (Wetherby, 1879) and Helisoma scalare (Jay, 1839) (Mollusca: Planorbidae)] Perea G, et al. **Rev Cubana Med Trop** 1985 May–Aug;37(2):150–4 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Migration inhibition factor in experimental schistosomiasis using parasitic and intermediate host antigens. Khalil HM, et al. **J Egypt Soc Parasitol** 1985 Dec;15(2):697–703

METABOLISM

Light-scattering investigation of the dissociation behavior of Lunatia heros and Littorina littorea hemocyanins. Herskovits TT, et al. **Biochemistry** 1985 Jul 16; 24(15):3862–70
Biogenic amines in the snail brain of Helicella virgata (Gastropoda, Pulmonata). Franchini A, et al. **Brain Res** 1985 Nov 11;347(1):132–4
Microsomal detoxication enzyme responses of the marine snail, Thais haemastoma, to laboratory oil exposure. Livingstone DR, et al. **Bull Environ Contam Toxicol** 1986 Jun;36(6):843–50
Histopathological effects of copper on selected epithelial tissues of snails. Wolmarans CT, et al. **Bull Environ Contam Toxicol** 1986 Jun;36(6):906–11
Isolation of a new toxin, prosurugatoxin, from the toxic Japanese ivory shell, Babylonia japonica. Kosuge T, et al. **Chem Pharm Bull (Tokyo)** 1985 Jul;33(7):2890–5
First evidence of toxin production by bacteria in a marine organism. Kosuge T, et al. **Chem Pharm Bull (Tokyo)** 1985 Jul;33(7):3059–61
Composition of the nucleotides pool in a morphogenetic compartment in eggs of Nassarius reticulatus (Mollusca) analysed by capillary isotachophoresis. van Dongen CA, et al. **Exp Cell Res** 1985 Dec;161(2):406–20

MICROBIOLOGY

[Analysis of the number of square meters of snail infected areas before and after control measures in Ji-Cheng-Yuan] Zhu NP. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1985

Oct;6(5):292–5 (Eng. Abstr.) (Chi)

PARASITOLOGY

A study of the biological characteristics of a hybrid line between male Schistosoma haematobium (Dar es Salaam, Tanzania) and female S. intercalatum (Edea, Cameroun). Mutani A, et al. **Acta Trop (Basel)** 1985 Dec;42(4):319–31

Prevalence of schistosomiasis and their intermediate hosts in Tahrir Province and Shubra El-Kheima. el-Gindy MS, et al. **J Egypt Soc Parasitol** 1985 Dec;15(2):631–7

Miracidial behaviour of Schistosoma mansoni towards some abnormal hosts. Haroun N, et al. **J Egypt Soc Parasitol** 1985 Dec;15(2):439–48

An approach to biological control of snails by rotifers. Hassan AA, et al. **J Egypt Soc Parasitol** 1985 Dec;15(2):553–8

The cercarial emergence of Schistosoma japonicum from Oncomelania quadrasi under outdoor conditions in the Philippines. Kawashima K, et al. **J Helminthol** 1985 Sep; 59(3):225–31

The effects of praziquantel on various larval and adult parasites from freshwater and marine snails and fish. Moser M, et al. **J Parasitol** 1986 Feb;72(1):175–6

Investigations on the prevalence of Heterophyes species in twelve populations of the first intermediate host in Egypt and Sudan. Taraschewski H. **J Trop Med Hyg** 1985 Aug; 88(4):265–71

Assessment of schistosomiasis in the Dominican Republic. Schneider CR, et al. **Public Health Rep** 1985 Sep–Oct; 100(5):524–30

Comparative analysis of the Schistosoma mansoni and Schistosoma bovis cercarial production under the influence of praziquantel. Touassem R, et al. **Z Parasitenkd** 1986; 72(3):345–51

[Seasonal distribution and natural infection with Pagumogonimus skrjabini in Pseudobythinella shimenensis] Li MG, et al.
Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih 1985;3(2):101–3 (Eng. Abstr.) (Chi)

[Discovery of Parafossarulus anomaloispiralis as the first intermediate host of Clonochis sinensis] Li BZ.
Chung Hua Liu Hsing Ping Hsueh Tsa Chih 1985 Aug; 6(4):199 (Eng. Abstr.) (Chi)

[Recovery of paragonimiasis in an endemic area in Meixian District, Guangdong Province] Pan LX.
Chung Hua Liu Hsing Ping Hsueh Tsa Chih 1986 Feb; 7(1):42–4 (Eng. Abstr.) (Chi)

[The choice of intermediate molluscan host by the miracidium of Schistosoma bovis] Touassem R, et al.
Bull Soc Pathol Exot Filiales 1985;78(5):637–42 (Eng. Abstr.) (Fre)

[Diptera infestation of the carcasses of Arion rufus (Gastropoda) and its possible hygienic significance] Kühlhorn F. **Angew Parasitol** 1986 May;27(2):123–30 (Eng. Abstr.) (Ger)

[Use of chaetotaxy for the identification of trematode cercaria in natural infestation by fresh-water gastropod mollusks] Manfredi MT, et al. **Ann Ist Super Sanita** 1986;22(1):509–11 (Eng. Abstr.) (Ita)

[Fascioliasis in the State of Chihuahua, Mexico. I. Susceptibility of Fossaria modicella (Say, 1825), the local intermediate host] Pérez-Reyes R, et al.
Rev Latinoam Microbiol 1985 Oct–Dec;27(4):367–72 (Eng. Abstr.) (Spa)

PHYSIOLOGY

Preliminary observations on a hemolymph factor influencing the infectivity of Schistosoma mansoni miracidia. Michelson EH. **Acta Trop (Basel)** 1986 Mar;43(1):63–8

Effects of glutamic acid analogues on identifiable giant neurones, sensitive to beta-hydroxy-L-glutamic acid, of an African giant snail (Achatina fulica Férussac). Nakajima T, et al. **Br J Pharmacol** 1985 Nov;86(3):645–54

Light-evoked depolarizations in the retina of Strombus: role of calcium and other divalent cations. Chinn K, et al.
Cell Mol Neurobiol 1985 Sep;5(3):257–70

Studies on the effects of dietary beryllium at two different calcium concentrations in Achatina fulica (Pulmonata). Ireland MP. **Comp Biochem Physiol [C]** 1986;83(2):435–8

Presence of TAN (tonically autoactive neuron) and its two analogous neurons, located in the right parietal ganglion of the suboesophageal ganglia of an African giant snail (Achatina fulica Ferussac). Morphological and electrophysiological studies. Matsuoka T, et al.
Comp Biochem Physiol [C] 1986;83(2):345–51

The carboxylic and amino acid chemoreception niche of Bulinus rohlfsi (Clessin), the snail host of Schistosoma haematobium. Thomas JD, et al.
Comp Biochem Physiol [C] 1985;82(1):91–107

Effects of catecholamines, monophenolamines and phenylamines on identifiable giant neurons of an African giant snail (Achatina fulica Férussac). Ku BS, et al.
Eur J Pharmacol 1985 Aug 7;114(1):1–8

Laboratory observations on the molluscicidal properties of Swartzia madagascariensis (Leguminosae). Sarda RK, et al. **J Ethnopharmacol** 1986 Feb;15(2):211–3

Luminal and basolateral surface membranes of secretory acinar cells: electrophysiological comparison of cationic sensitivities. Senseman DM, et al. **J Exp Zool** 1985 Dec; 236(3):275–91

Egg production of Pseudosuccinea columella and Fossaria cubensis (Lymnaeidae) in laboratory culture. Boyce WM, et al. **J Parasitol** 1986 Feb;72(1):184

Interaction between the Biomphalaria glabrata–Schistosoma mansoni host–parasite system and the non-target molluscs: influence on cercarial production. Moné H, et al.
J Parasitol 1986 Jun;72(3):410–6

Intracellular factors for the maintenance of calcium currents in perfused neurones from the snail, Lymnaea stagnalis. Byerly L, et al. **J Physiol (Lond)** 1986 Jan;370:631–50

Longterm habituation in neurons LPa3 and PPa3 of the snail. Sokolov EN, et al. **Neurosci Behav Physiol** 1986 May–Jun; 16(3):246–8

Immunocytochemistry of peptidergic systems in the pond snail Lymnaea stagnalis. Boer HH, et al. **Peptides** 1985;6 Suppl 3:459–63

Molecular properties of various snail peptides from brain and gut. Ebberink RH, et al. **Peptides** 1985;6 Suppl 3:451–7

The molecular basis of the neuro-endocrine control of egg-laying behaviour in Lymnaea. Vreugdenhil E, et al. **Peptides** 1985;6 Suppl 3:465–70

Peptide neurotoxins from fish-hunting cone snails. Olivera BM, et al. **Science** 1985 Dec 20;230(4732):1338–43

[Dynamics of the membrane-bound calcium level in snail command neurons during tactile stimulation] Nikitin VP, et al. **Dokl Akad Nauk SSSR** 1986 May–Jun;288(1):253–6 (Rus)

[Role of serotonin in the development of the defensive reflex to food in the snail] Balaban PM, et al. **Neirofiziologiia** 1986;18(3):291–8 (Eng. Abstr.) (Rus)

SNAKE BITES

A case of sea-snake envenomation [letter] Audley I.
Med J Aust 1985 Nov 25;143(11):532

Abstracts concerning snakebite presented at the XIth International Congress for Tropical Medicine and Malaria. 16–22 September 1984, Calgary, Canada. **Toxicon** 1985; 23(4):621–9

BLOOD

Clinical significance of venom antigen levels in patients envenomed by the Malayan pit viper (Calloselasma rhodostoma). Ho M, et al. **Am J Trop Med Hyg** 1986 May; 35(3):579–87

Effect of envenomation on human serum alpha-2 macroglobulin & total antitryptic activity. Rao NR, et al.
Indian J Med Res 1985 Dec;82:551–3

Haematologic alterations in snake bite poisoning. Saini RK.
Indian J Med Res 1985 Jul;82:77–82

COMPLICATIONS

Acute interstitial nephritis after a Russell's viper snake bite [letter] Indraprasit S, et al. **Clin Nephrol** 1986 Feb;25(2):111

Acute reversible membrano-proliferative glomerulonephritis after cobra snake bite. Jain AP, et al.
J Assoc Physicians India 1985 Aug;33(8):545–6

Unusual neurological symptoms in a case of severe crotalid envenomation. Ekenbäck K, et al.
J Toxicol Clin Toxicol 1985;23(4–6):357–64

Anaphylactoid reactions to snakebite [letter] Schmutz J, et al. **Lancet** 1985 Dec 7;2(8467):1306

Blood coagulability and viper envenomation [letter] Tiwari I, et al. **Lancet** 1986 Mar 15;1(8481):613–4

Sea-snake envenomation [letter] Dobb GJ. **Med J Aust** 1986 Jan 20;144(2):112

Haemolytic-uraemic syndrome complicating snake bite. Date A, et al. **Nephron** 1986;42(1):89–90

Renal cortical necrosis following Bothrops jararaca and B. jararacussu snake bite. Amaral CF, et al. **Toxicon** 1985; 23(6):877–85

Myonecrosis, myoglobinuria and acute renal failure induced by South American rattlesnake (Crotalus durissus terrificus) envenomation in Brazil. Azevedo-Marques MM, et al.
Toxicon 1985;23(4):631–6

Human envenomation from the bite of the eastern garter snake, Thamnophis s. sirtalis (Serpentes: Colubridae). Hayes WK, et al. **Toxicon** 1985;23(4):719–21

[Acute compartment syndrome following snake bite] Wagner HE, et al. **Chirurg** 1986 Apr;57(4):248–52 (Eng. Abstr.) (Ger)

DIAGNOSIS

Report of a case of adder bite with near fatal result [letter] Gibson TC, et al. **J R Coll Gen Pract** 1986 Mar;36(284):135

A critical reappraisal of the use of enzyme-linked immunosorbent assays in the study of snake bite. Ho M, et al. **Toxicon** 1986;24(3):211–21 (40 ref.)

DRUG THERAPY

Exotic snakebite, an unusual emergency. A case report and therapeutic considerations. Schelstraete E, et al.
Acta Anaesthesiol Belg 1985 Dec;36(4):407–12

Management of Vipera berus adder bite. Jones TI, et al.
Practitioner 1985 Nov;229(1409):956–8

HISTORY

Maimonides the physician [letter] Rosner F.
Arch Intern Med 1986 Aug;146(8):1637

IMMUNOLOGY

ELISA confirmation of acute and past envenoming by the monocellate Thai cobra (Naja kaouthia). Viravan C, et al.
Am J Trop Med Hyg 1986 Jan;35(1):173–81

Use of liposomes for protective immunisation in sheep against Echis carinatus snake venom. Theakston RD, et al.
Toxicon 1985;23(6):921–5

MORTALITY

Fatal rattlesnake envenomation in Arizona: 1969–1984. Hardy DL. **J Toxicol Clin Toxicol** 1986;24(1):1–10

OCCURRENCE

[Adder bites] Rasmussen JT, et al. **Ugeskr Laeger** 1985 Jun 24;147(26):2078–82 (Eng. Abstr.) (Dan)

[Snake bites in the Congo. Estimation of morbidity in Brazzaville and in the rural areas of the Pool and Mayombe regions] Carme B, et al. **Ann Soc Belg Med Trop** 1986; 66(2):183–9 (Eng. Abstr.) (Fre)

PHYSIOPATHOLOGY

Noninvasive vascular studies in management of rattlesnake envenomations to extremities. Curry SC, et al.
Ann Emerg Med 1985 Nov;14(11):1081–4

Bites by Russell's viper (Vipera russelli siamensis) in Burma: haemostatic, vascular, and renal disturbances and response to treatment. Myint-Lwin, et al. **Lancet** 1985 Dec 7; 2(8467):1259–64

[A case of mamushi envenomation resembling myasthenic syndrome with a waxing phenomenon] Furuya H, et al.
Rinsho Shinkeigaku 1985 Nov;25(11):1265–8 (Eng. Abstr.) (Jpn)

PREVENTION & CONTROL

[The keeping of poisonous snakes in veterinary medicine surveillance] Günther D. **DTW** 1985 Sep 6;92(9):327–8 (Eng. Abstr.) (Ger)

SURGERY

Surgical treatment of adder bite. Lau YL, et al.
J R Soc Med 1985 Dec;78(12):1028–30

Snake bites and the anesthesiologist. Kumar A.
Middle East J Anesthesiol 1986 Feb;8(4):295–301

THERAPY

Prediction, prevention, and mechanism of early (anaphylactic) antivenom reactions in victims of snake bites. Malasit P, et al. **Br Med J [Clin Res]** 1986 Jan 4; 292(6512):17–20

Boomslang bite—a case report. Geddes J, et al.
Cent Afr J Med 1985 Jun;31(6):109–12

High voltage shock treatment for snake bite [letter] Guderian RH, et al. **Lancet** 1986 Jul 26;2(8500):229

High-voltage shock treatment for snake bite [letter] Pearson CA. **Lancet** 1986 Aug 23;2(8504):461

Electric shocks for snakebite [letter] Schmutzhard E.
Lancet 1986 Sep 6;2(8506):578

Sea-snake envenomation [letter] Acott CJ. **Med J Aust** 1986 Apr 14;144(8):448

Snakebite treatment in the 80s. Winneberger TR, et al.
NC Med J 1985 Nov;46(11):572–3

Venomous snakebite. Talpers SS, et al. **Postgrad Med** 1986 Jul;80(1):53–5

Evaluation of the Venom Ex apparatus in the initial treatment of puff adder envenomation. A study in rabbits. Reitz CJ, et al. **S Afr Med J** 1986 May 24;69(11):684–6

Crotalidae envenomation. Christopher DG, et al.
South Med J 1986 Feb;79(2):159–62

Timing of the administration of antivenom [letter] Eddington JA, et al. **Toxicon** 1986;24(5):421–3

[Treatment of viper bites] Wahlberg P. **Nord Med** 1986; 101(6–7):200 (Eng. Abstr.) (Swe)

VETERINARY

[Anatomo-pathological study of fatal cases of Malpolon monspessulana (Herman, 1809) (Reptilia, Colubridae) bitten in the head by Cerastes cerastes (L., 1758) (Reptilia, Viperidae)] Chadli A, et al. **Arch Inst Pasteur Tunis** 1984 Dec;61(4):401–13 (Eng. Abstr.) (Fre)

SNAKE VENOMS

[Observations on Malpolon monspessulanus Herman, 1804 (Reptilia, Colubridae) in captivity. Study of the species' venom] Slavtchev RS. **Arch Inst Pasteur Tunis** 1985 Mar–Jun;62(1–2):47–51 (Eng. Abstr.) (Fre)

ANALYSIS

Detection of specific proenzyme activators in snake venoms by a new immunoabsorbant-chromogenic substrate method. Exner T, et al. **Biochim Biophys Acta** 1985 Dec 20;832(3):351–6

Element analysis of snake venoms using synchrotron radiation. Khole V, et al. **Indian J Biochem Biophys** 1984 Dec;21(6):409–11

Structure-function studies on the bradykinin potentiating peptide from Chinese snake venom (Agkistrodon halys Pallas). Chi CW, et al. **Peptides** 1985;6 Suppl 3:339–42

The influence of snake venom enzymes on blood coagulation. Kornalik F. **Pharmacol Ther** 1985;29(3):353–405 (241 ref.)

A critical reappraisal of the use of enzyme-linked

immunosorbent assays in the study of snake bite. Ho M, et al. **Toxicon** 1986;24(3):211–21 (40 ref.)
Comparison of two methods for proteolytic enzyme detection in snake venom. Markland FS Jr, et al. **Toxicon** 1986; 24(4):385–93
[Phospholipases A2 from snake and bee venoms] Nishida S, et al. **Tanpakushitsu Kakusan Koso** 1986 Feb;31(2):158–65 (100 ref.) **(Jpn)**
[Mechanism of action of myotoxins isolated from snake venoms] Gutiérrez JM, et al. **Rev Biol Trop** 1984 Nov; 32(2):213–22 (58 ref.) (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Molecular immunology of snake toxins. Ménez A. **Pharmacol Ther** 1985;30(1):91–113 (147 ref.)

METABOLISM

Stopped-flow fluorescence studies on binding kinetics of neurotoxins with acetylcholine receptor. Endo T, et al. **Biochemistry** 1986 Jan 28;25(2):395–404

PHARMACODYNAMICS

Protein C activators in snake venoms. Stocker K, et al. **Behring Inst Mitt** 1986 Feb;(79):37–47
Effect of envenomation on human serum alpha-2 macroglobulin & total antitryptic activity. Rao NR, et al. **Indian J Med Res** 1985 Dec;82:551–3
Polypeptides from snake venoms which act on nerve and muscle. Harris JB. **Prog Med Chem** 1984;21:63–110 (215 ref.)
Neutralization of hyaluronidase and indirect hemolytic activities of Costa Rican snake venoms by a polyvalent antivenom. Gené JA, et al. **Toxicon** 1985;23(6):1015–8

POISONING

Human envenomation from the bite of the eastern garter snake, Thamnophis s. sirtalis (Serpentes: Colubridae). Hayes WK, et al. **Toxicon** 1985;23(4):719–21

TOXICITY

Neurotoxins with phospholipase A2 activity in snake venoms. Chang CC. **Proc Natl Sci Counc Repub China [B]** 1985 Apr;9(2):126–42 (118 ref.)
A study on the cause of death produced by angusticeps-type toxin F7 isolated from eastern green mamba venom. Lee CY, et al. **Toxicon** 1986;24(1):33–40
Approximate LD50 determinations of snake venoms using eight to ten experimental animals. Meier J, et al. **Toxicon** 1986;24(4):395–401
[Central action of snake venoms on body temperature in rats] Gurin VN, et al. **Farmakol Toksikol** 1985 Nov–Dec; 48(6):99–101 (Eng. Abstr.) **(Rus)**

SNAKES

Significant envenomation from a preserved rattlesnake head (in a patient with a history of immediate hypersensitivity to antivenin). Griffen D, et al. **Ann Emerg Med** 1986 Aug; 15(8):955–8
The doctor and the snake. Radford P. **Bristol Med Chir J** 1985 Jul;100(375):74–6
Torsion of the oviduct in a Burmese python (Python molorus bivittatus). Aylmer PS. **Vet Rec** 1985 Sep 14;117(11):272–3
[Case of Pseudomonas aeruginosa infection in tropical snakes] Aleksandrov M, et al. **Vet Med Nauki** 1985;22(7):53–61 (Eng. Abstr.) **(Bul)**
[Anatomo-pathological study of fatal cases of Malpolon monspessulana (Herman, 1809) (Reptilia, Colubridae) bitten in the head by Cerastes cerastes (L., 1758) (Reptilia, Viperidae)] Chadli A, et al. **Arch Inst Pasteur Tunis** 1984 Dec;61(4):401–13 (Eng. Abstr.) **(Fre)**
[The keeping of poisonous snakes in veterinary medicine surveillance] Günther D. **DTW** 1985 Sep 6;92(9):327–8 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Diversity of functional morphological explanation. Dullemeijer P. **Acta Biotheor (Leiden)** 1985;34(2–4):111–23
Ultrastructure of the lungs of the garter snake. Pohunková H, et al. **Folia Morphol (Praha)** 1985;33(3):254–8
Optic tectum of the eastern garter snake, Thamnophis sirtalis. II. Morphology of efferent cells. Dacey DM, et al. **J Comp Neurol** 1986 Mar 8;245(2):198–237
Optic tectum of the eastern garter snake, Thamnophis sirtalis. IV. Morphology of afferents from the retina. Dacey DM, et al. **J Comp Neurol** 1986 Mar 15;245(3):301–18
Optic tectum of the eastern garter snake, Thamnophis sirtalis. III. Morphology of intrinsic neurons. Dacey DM, et al. **J Comp Neurol** 1986 Mar 15;245(3):283–300
Optic tectum of the eastern garter snake, Thamnophis sirtalis. I. Efferent pathways. Dacey DM, et al. **J Comp Neurol** 1986 Mar 1;245(1):1–28
The organization of the motoneurons innervating the axial musculature of vertebrates. II. Florida water snakes (Nerodia fasciata pictiventris). Fetcho JR. **J Comp Neurol** 1986 Jul 22;249(4):551–63
Regular alternation of fiber types in the transversus abdominis muscle of the garter snake. Wilkinson RS, et al. **J Neurosci** 1985 Nov;5(11):2979–88
Cone mosaic observed directly through natural pupil of live vertebrate. Land MF, et al. **Vision Res** 1985;25(10):1519–23

BLOOD

Plasma concentrations of chloramphenicol in snakes. Clark CH, et al. **Am J Vet Res** 1985 Dec;46(12):2654–7
Physical properties of some snake plasma albumins. Mao SH, et al. **Comp Biochem Physiol [B]** 1985;82(4):655–8
Calcitonin effects on serum calcium level of the freshwater snake, Natrix piscator. Srivastav AK, et al. **Gen Comp Endocrinol** 1986 Mar;61(3):436–7
Effects of ambient temperature on the half-life and dosage regimen of amikacin in the gopher snake. Mader DR, et al. **J Am Vet Med Assoc** 1985 Dec 1;187(11):1134–6

CLASSIFICATION

Intergradation of Osage and broad-banded copperheads in Kansas. Fitch HS, et al. **Trans Kans Acad Sci** 1985 Oct; 88(3–4):135–7

GENETICS

Non-divergence theory of evolution: sequence comparison of some proteins from snakes and bacteria. Tamiya N, et al. **J Biochem (Tokyo)** 1985 Aug;98(2):289–303
[Karyotype study of 5 species of Costa Rican snakes of the colubrid family] Gutiérrez JM, et al. **Rev Biol Trop** 1984 Nov;32(2):263–7 (Eng. Abstr.) **(Spa)**

GROWTH & DEVELOPMENT

Ovarian development in red-sided garter snakes, Thamnophis sirtalis parietalis: relationship to mating. Whittier JM, et al. **Gen Comp Endocrinol** 1986 Jan;61(1):5–12

IMMUNOLOGY

Dendritic immune complex trapping cells in the spleen of the snake, Python reticulatus. Kroese FG, et al. **Dev Comp Immunol** 1985 Fall;9(4):641–52

METABOLISM

N1-methylnicotinamide transport by isolated perfused snake proximal renal tubules. Dantzler WH, et al. **Am J Physiol** 1986 Mar;250(3 Pt 2):F407–18
Morphological changes with Na+-free fluid absorption in isolated perfused snake tubules. Dantzler WH, et al. **Am J Physiol** 1986 Jul;251(1 Pt 2):F150–5
Proline hydroxylation of collagens synthesized at different temperatures in vivo by two poikilothermic species. Cohen-Solal L, et al. **Comp Biochem Physiol [B]** 1986; 83(2):483–6
Treatment of snakes [letter] Sedqwick CJ. **J Am Vet Med Assoc** 1986 May 15;188(10):1139–40
Plasma levels and renal handling of endogenous amino acids in snakes: a comparative study. Benyajati S, et al. **J Exp Zool** 1986 Apr;238(1):17–28

MICROBIOLOGY

First isolation of calicivirus from reptiles and amphibians. Smith AW, et al. **Am J Vet Res** 1986 Aug;47(8):1718–21
Salmonellae and salmonellosis in captive reptiles. Onderka DK, et al. **Can J Comp Med** 1985 Jul;49(3):268–70
Adenovirus-like infection in a boa constrictor. Jacobson ER, et al. **J Am Vet Med Assoc** 1985 Dec 1;187(11):1226–7
Use of a polyvalent autogenous bacterin for treatment of mixed gram-negative bacterial osteomyelitis in a rhinoceros viper. Jacobson ER, et al. **J Am Vet Med Assoc** 1985 Dec 1;187(11):1224–5
[Infections and deaths of horned vipers, Cerastes cerastes (L., 1758) and lebetin vipers, Vipera lebetina (L., 1758) caused by Pseudomonas aeruginosa (Schröeter, 1885)] Slavtchev RS, et al. **Arch Inst Pasteur Tunis** 1984 Dec; 61(4):415–25 (Eng. Abstr.) **(Fre)**

PARASITOLOGY

Experimental transmission of Caryospora simplex (Apicomplexa: Eimeriidae) to Palestine vipers, Vipera xanthina palestinae (Serpentes: Viperidae). Upton SJ, et al. **J Protozool** 1986 Feb;33(1):129–30

PHYSIOLOGY

Renal secretion of amino acids in ophidian reptiles. Benyajati S, et al. **Am J Physiol** 1986 Apr;250(4 Pt 2):R712–20
Sensitivity to thermal stimulation in prairie rattlesnakes (Crotalus viridis) after bilateral anesthetization of the facial pits. Chiszar D, et al. **Behav Neural Biol** 1986 Jan; 45(1):143–9
The effect of lipids on transepidermal water permeation in snakes. Burken RR, et al. **Comp Biochem Physiol [A]** 1985; 81(2):213–6
Chemo-attractant for the garter snake: characterization of vomeronasally-mediated response-eliciting components of earthworm wash—III. Kirschenbaum DM, et al. **Comp Biochem Physiol [B]** 1985;82(3):447–53
Effects of prostaglandin F2 alpha on sexual behavior and ovarian function in female garter snakes (Thamnophis sirtalis parietalis). Whittier JM, et al. **Endocrinology** 1986 Aug;119(2):787–92
The mechanism of action of angiotensin II in the rat snake, Ptyas korros. Ho BY, et al. **Gen Comp Endocrinol** 1986 Mar;61(3):343–7
Identification of a putative progesterone receptor in the oviduct of a viviparous watersnake (Nerodia). Kleis-San Francisco SM, et al. **Gen Comp Endocrinol** 1986 Mar; 61(3):490–8
Contractile response of the isolated dorsal aorta of the snake to angiotensin II and norepinephrine. Yung WH, et al. **Gen Comp Endocrinol** 1985 Nov;60(2):259–65
Maintenance of blood volume in snakes: transcapillary shifts of extravascular fluids during acute hemorrhage. Smits AW, et al. **J Comp Physiol [B]** 1985;155(3):305–10
Hemodynamic adjustments to head-up posture in the partly arboreal snake, Elaphe obsoleta. Lillywhite HB, et al. **J Exp Zool** 1985 Sep;235(3):325–34
Activities of novel polyhydroxylated cardiotonic steroids purified from nuchal glands of the snake, Rhabdophis tigrinus. Azuma H, et al. **J Pharm Pharmacol** 1986 May; 38(5):388–90
Effects of early sex steroid hormone treatment on courtship behavior and sexual attractivity in the red-sided garter snake, Thamnophis sirtalis parietalis. Crews D. **Physiol Behav** 1985 Oct;35(4):569–75
Earthworms produce a collagen-like substance detected by the garter snake vomeronasal system. Kirschenbaum DM, et al. **Proc Natl Acad Sci USA** 1986 Mar;83(5):1213–6
Respiratory mechanics and control of the ventilatory cycle in the garter snake. Bartlett D Jr, et al. **Respir Physiol** 1986 Apr;64(1):13–27
Individual and age-dependent variations in the venom of the fer-de-lance Bothrops atrox. Meier J. **Toxicon** 1986; 24(1):41–6

SNEEZING

Sneezy twins. Forrai G, et al. **Acta Paediatr Hung** 1985; 26(4):323–6
Suppressed sneezing as a cause of hearing loss and vertigo. Schuknecht HF, et al. **Am J Otolaryngol** 1985 Nov–Dec; 6(6):468–70
Intractable sneezing with a specific psychogenic origin. Aggarwal J, et al. **Ann Allergy** 1986 Apr;56(4):345–6
'Asneezia'—a hitherto unrecognised psychiatric symptom. Shukla GD. **Br J Psychiatry** 1985 Nov;147:564–5
[The neuronal mechanisms of sneeze] Nonaka S, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1985 Jun;88(6):760–70 (Eng. Abstr.) **(Jpn)**

SNORING

Snoring: not funny—not hopeless. Fairbanks DN. **Am Fam Physician** 1986 Feb;33(2):205–11
Snoring and sleep apnea [letter] Colman MF. **Chest** 1986 Mar; 89(3):470
Snoring in children: is it pathological? Butt W, et al. **Med J Aust** 1985 Oct 14;143(8):335–6

COMPLICATIONS

Snoring as a risk factor for disease [letter] **Br Med J [Clin Res]** 1985 Oct 26;291(6503):1204
Snoring as a risk factor for disease [letter] Tirlapur VG. **Br Med J [Clin Res]** 1985 Oct 12;291(6501):1051
Snoring and sleepiness [editorial] **Lancet** 1985 Oct 26; 2(8461):925–6
Snoring and cerebral infarction. Partinen M, et al. **Lancet** 1985 Dec 14;2(8468):1325–6
Sleep apnea and snoring as risk factors for mortality. Block AJ. **Proc Annu Meet Med Sect Am Counc Life Insur** 1985; :95–7

DIAGNOSIS

Did the fat boy snore? [editorial] Millman RP. **Chest** 1986 May;89(5):621–2
Snoring: an acoustic monitoring technique. Wilson K, et al. **Laryngoscope** 1985 Oct;95(10):1174–7

ETIOLOGY

Snoring and obstructive sleep apnea. Grist WJ, et al. **J Med Assoc Ga** 1986 Apr;75(4):217–20

PHYSIOPATHOLOGY

Snoring and disease. Koskenvuo M, et al. **Ann Clin Res** 1985; 17(5):247–51 (57 ref.)
Snoring. Rice D. **Otolaryngol Clin North Am** 1986 Feb; 19(1):135–40

PSYCHOLOGY

Nocturnal hypoxia and neuropsychological variables. Berry DT, et al. **J Clin Exp Neuropsychol** 1986 Jun;8(3):229–38

SURGERY

Uvulopalatopharyngoplasty, (UPPP), an effective surgical treatment for cases of snoring and some cases of sleep apnea. Beal DD. **Alaska Med** 1985 Oct–Dec;27(4):90–1
Snoring in perspective. Morton RP. **Clin Otolaryngol** 1986 Apr;11(2):53–4
Snoring and related problems: surgical correction. Liudahl JJ, et al. **W Va Med J** 1986 May;82(5):127–30
[Surgical treatment of snoring and obstructive sleep apnea] Marshak G, et al. **Harefuah** 1986 Feb 2;110(3):123–6 (Eng. Abstr.) **(Heb)**

THERAPY

The management of snoring. Background and a series of treated cases. Campion PC. **Med J Aust** 1985 Oct 14; 143(8):337–8

SNOW see under **WEATHER**

SOAPS see under **SURFACE-ACTIVE AGENTS**

SOCCER see under **SPORTS**

SOCIAL ACCOUNTABILITY see **SOCIAL RESPONSIBILITY**

SOCIAL ADJUSTMENT

see related
ADAPTATION, PSYCHOLOGICAL

Function after lower limb amputation. Helm P, et al. **Acta Orthop Scand** 1986 Apr;57(2):154–7

Current outcome in schizophrenia: women vs men. Seeman MV. **Acta Psychiatr Scand** 1986 Jun;73(6):609–17

Identifying children at high somatic risk: parents' long-term emotional adjustment to their children's alpha 1 antitrypsin deficiency. Thelin T, et al. **Acta Psychiatr Scand** 1985 Oct; 72(4):323–30

Evaluation of psychosocial treatments. Lönnqvist J. **Acta Psychiatr Scand [Suppl]** 1985;319:141–50

Pitfalls in the psychoeducational assessment of adolescents with learning and school adjustment problems. Pollak JM. **Adolescence** 1985 Summer;20(78):479–93

Social cognition and aggression in delinquent adolescent males. Short RJ, et al. **Adolescence** 1986 Spring; 21(81):159–76

Psychosocial components in obstetric/gynecologic conditions with a special consideration of infertility. Honea-Fleming P. **Ala J Med Sci** 1986 Jan;23(1):27–30

Using the scale of independent behavior with hearing-impaired students. Klansek-Kyllo V, et al. **Am Ann Deaf** 1985 Dec;130(6):533–7

Short- and long-term effects of marital disruption on children. Rickel AU, et al. **Am J Community Psychol** 1985 Oct;13(5):599–611

The community competence scale in the placement of the deinstitutionalized mentally ill. Searight HR, et al. **Am J Community Psychol** 1986 Jun;14(3):291–301

Social environmental predictors of children's adjustment in elementary school classrooms. Toro PA, et al. **Am J Community Psychol** 1985 Aug;13(4):353–64

The educational, vocational, and marital status of growth hormone-deficient adults treated with growth hormone during childhood. Dean HJ, et al. **Am J Dis Child** 1985 Nov;139(11):1105–10

Relationship between the Vineland Adaptive Behavior Scales-Classroom Edition and the Vineland Social Maturity Scales. Britton WH, et al. **Am J Ment Defic** 1986 Jul;91(1):105–7

The Street Survival Skills Questionnaire: a correlational study. Giller VL, et al. **Am J Ment Defic** 1986 Jul; 91(1):67–71

Teaching computation/shopping skills to mentally retarded adults. Matson JL, et al. **Am J Ment Defic** 1986 Jul; 91(1):98–101

Social quotients of children with phenylketonuria before and after discontinuation of dietary therapy. Matthews WS, et al. **Am J Ment Defic** 1986 Jul;91(1):92–4

Placement from community-based mental retardation programs: how well do clients do after 8 to 10 years? Schalock RL, et al. **Am J Ment Defic** 1986 May; 90(6):669–76

Nonstandard standard scores on the Vineland Adaptive Behavior Scales: a cautionary note. Silverstein AB. **Am J Ment Defic** 1986 Jul;91(1):1–4

Parent-rated adaptive behavior and in-school ratings of students referred for EMR evaluation. Soyster HD, et al. **Am J Ment Defic** 1986 Jan;90(4):460–3

The assessment of occupational functioning: a screening tool for use in long-term care. Watts JH, et al. **Am J Occup Ther** 1986 Apr;40(4):231–40

Similarities in behavioral and social maladjustment among child victims and witnesses to family violence. Jaffe P, et al. **Am J Orthopsychiatry** 1986 Jan;56(1):142–6

Psychosocial adjustment of poor Mexican mothers of disabled and nondisabled children. Shapiro J, et al. **Am J Orthopsychiatry** 1986 Apr;56(2):289–302

Factors influencing psychosocial adjustment to forced geographical relocation: the Israeli withdrawal from the Sinai. Steinglass P, et al. **Am J Orthopsychiatry** 1985 Oct; 55(4):513–29

The reliability of axis V of DSM-III. Fernando T, et al. **Am J Psychiatry** 1986 Jun;143(6):752–5

Family violence and child adjustment: a comparative analysis of girls' and boys' behavioral symptoms. Jaffe P, et al. **Am J Psychiatry** 1986 Jan;143(1):74–7

Social skills training for schizophrenic individuals at risk for relapse. Liberman RP, et al. **Am J Psychiatry** 1986 Apr; 143(4):523–6

Self-derogation and adjustment in the community: a longitudinal study of psychiatric patients. Lorimor RJ, et al. **Am J Psychiatry** 1985 Dec;142(12):1442–6

The Premorbid Adjustment Scale (PAS): its use in an Australian study. Morice R, et al. **Aust NZ J Psychiatry** 1985 Dec;19(4):390–5

The adjustment of hospitalised Vietnam veterans. Streimer J, et al. **Aust NZ J Psychiatry** 1986 Mar;20(1):77–81

Emotional and social effects of congenital heart disease in Singapore. Kong SG, et al. **Aust Paediatr J** 1986 May; 22(2):101–6

Teaching social skills to psychiatric inpatients. Foxx RM, et al. **Behav Res Ther** 1985;23(5):531–7

A comparison of the mood and activities of depressed, previously depressed and non-depressed women. Maddever HM, et al. **Behav Res Ther** 1986;24(3):351–6

Patients' conceptions of psychological adjustment in the normal population. MacCarthy B, et al. **Br J Clin Psychol** 1986 Feb;25 (Pt 1):43–50

Social adjustment and interaction after severe head injury. Newton A, et al. **Br J Clin Psychol** 1985 Nov;24 (Pt 4):225–34

Family management in the prevention of morbidity of schizophrenia: the adjustment of the family unit. Falloon IR, et al. **Br J Psychiatry** 1985 Aug;147:156–63

Psychosocial aspects of learning disabilities. A review of research. Pickar DB. **Bull Menninger Clin** 1986 Jan; 50(1):22–32

Psychosocial consequences of cure. Lansky SB, et al. **Cancer** 1986 Jul 15;58(2 Suppl):529–33

Impairments and community adjustment of young adults: alcohol use, drug abuse and arrest. Kawaguchi R, et al. **Chem Depend** 1982;4(3):209–19

The relationship of childhood sexual abuse with later psychological and sexual adjustment in a sample of college women. Fromuth ME. **Child Abuse Negl** 1986;10(1):5–15

The psychosocial adjustment of maltreated children: methodological limitations and guidelines for future research. Lamphear VS. **Child Abuse Negl** 1986;10(1):63–9

Stepping out of foster care into independent living. Pasztor EM, et al. **Child Today** 1986 Mar-Apr;15(2):32–5

Psychosocial adjustment of adult women with Turner syndrome. McCauley E, et al. **Clin Genet** 1986 Apr; 29(4):284–90

Predictors of self-sufficiency for the mentally ill in long-term care. Kruzich JM, et al. **Community Ment Health J** 1985 Fall;21(3):198–207

Obsessiveness and adjustment. Solyom L, et al. **Compr Psychiatry** 1986 May-Jun;27(3):234–40

Psychological adjustment of children with recently diagnosed diabetes mellitus. Jacobson AM, et al. **Diabetes Care** 1986 Jul-Aug;9(4):323–9

Postsecondary vocational adjustment of rural, mildly handicapped students. Fardig DB, et al. **Except Child** 1985 Oct;52(2):115–21

Psychosocial adjustment after renal retransplants. Nadel C, et al. **Gen Hosp Psychiatry** 1986 Jan;8(1):41–8

Social implications of multiple pathology. Andrews K, et al. **Gerontology** 1985;31(5):325–31

The chronically mentally ill in nursing homes: issues in policy and practice. Kruzich JM. **Health Soc Work** 1986 Winter; 11(1):5–14

Defensive constellation and styles of recovery from schizophrenic episodes. D'Angelo EJ, et al. **Hillside J Clin Psychiatry** 1986;8(1):3–14

The impact of a more stringent commitment code in Minnesota. Greeman M, et al. **Hosp Community Psychiatry** 1985 Sep;36(9):990–2

The association of preexisting psychosocial pathology with deaths involving propoxyphene or codeine. Nelson FL. **Int J Addict** 1985 Nov-Dec;20(11-12):1823–30

Controlled drinkers in comparison to abstinents and relapsed drinkers with regard to attitudes and social adjustment. Pfrang H, et al. **Int J Addict** 1985 Nov-Dec; 20(11-12):1793–802

Preretired and retired women's attitudes toward retirement. Gigy LL. **Int J Aging Hum Dev** 1985-86;22(1):31–44

Gender differences in living conditions found among male and female schizophrenic patients on a follow-up study. Wattie BJ, et al. **Int J Soc Psychiatry** 1985 Autumn; 31(3):205–16

Social activities after stroke: measurement and natural history using the Frenchay Activities Index. Wade DT, et al. **Int Rehabil Med** 1985;7(4):176–81

Utility of cognitive-behavioral procedures for social skills training with children: a critical review. Gresham FM. **J Abnorm Child Psychol** 1985 Sep;13(3):411–23

Early rejected status and later social adjustment: a 3-year follow-up. Li AK. **J Abnorm Child Psychol** 1985 Dec; 13(4):567–77

Child witnesses to violence between parents: critical issues in behavioral and social adjustment. Wolfe DA, et al. **J Abnorm Child Psychol** 1986 Mar;14(1):95–104

The role of physical attractiveness in the readjustment of discharged psychiatric patients. Farina A, et al. **J Abnorm Psychol** 1986 May;95(2):139–43

Compliance with anticonvulsant therapy by epileptic youth. Relationships to psychosocial aspects of adolescent development. Friedman IM, et al. **J Adolesc Health Care** 1986 Jan;7(1):12–7

Impairment of work and leisure in depressed outpatients. A preliminary communication. De Lisio G, et al. **J Affective Disord** 1986 Mar-Apr;10(2):79–84

Toward a neuropsychological model of infantile autism: are the social deficits primary? Fein D, et al. **J Am Acad Child Psychiatry** 1986 Mar;25(2):198–212

Custody in dispute: legal and psychological profiles of contesting families. Hauser BB. **J Am Acad Child Psychiatry** 1985 Sep;24(5):575–82

Long-term effects of divorce and remarriage on the adjustment of children. Hetherington EM, et al. **J Am Acad Child Psychiatry** 1985 Sep;24(5):518–30

Teaching functional community skills to autistic children using nonhandicapped peer tutors. Blew PA, et al. **J Appl Behav Anal** 1985 Winter;18(4):337–42

Training apartment upkeep skills to rehabilitation clients: a comparison of task analytic strategies. Williams GE, et al. **J Appl Behav Anal** 1986 Spring;19(1):39–51

Social skills and irrational beliefs: a preliminary report. Monti PM, et al. **J Behav Ther Exp Psychiatry** 1986 Mar; 17(1):11–4

Can pregnancy be a placebo effect?: Terminology, designs, and conclusions in the study of psychosocial and pharmacological treatments of behavior disorders. Paul GL. **J Behav Ther Exp Psychiatry** 1986 Jun;17(2):61–81

Syme amputation. An evaluation of the physical and psychological function in young patients. Herring JA, et al. **J Bone Joint Surg [Am]** 1986 Apr;68(4):573–8

Psychosocial consequences of childhood and adolescent cancer survival. Teta MJ, et al. **J Chronic Dis** 1986; 39(9):751–9

Treatment expectancy among psychiatric inpatients. Collins J, et al. **J Clin Psychol** 1986 Jul;42(4):562–9

Psychosocial functioning of adult epileptic and MS patients and adult normal controls on the WPSI. Tan SY. **J Clin Psychol** 1986 May;42(3):528–34

Psychosocial outcomes of sex reassignment surgery. Abramowitz SI. **J Consult Clin Psychol** 1986 Apr; 54(2):183–9

Multiple perspectives of rejected, neglected, and accepted children: relation between sociometric status and behavioral characteristics. Cantrell VL, et al. **J Consult Clin Psychol** 1985 Dec;53(6):884–9

An analysis of the internal structure of Levenson and Gottman's social competency scale and suggestions for its use. Garbin CP, et al. **J Consult Clin Psychol** 1986 Jun; 54(3):406–7

Premorbid social competence and psychiatric outcome in male and female nonschizophrenic patients. Glick M, et al. **J Consult Clin Psychol** 1986 Jun;54(3):402–3

Examination of the validity of the adolescent problems inventory among incarcerated juvenile delinquents. Hunter N, et al. **J Consult Clin Psychol** 1986 Jun;54(3):301–2

Situational influences on the predictive value of client behavior: implication for Bayesian prediction. Tsujimoto RN, et al. **J Consult Clin Psychol** 1986 Apr;54(2):264–6

A theoretical model for a socially oriented drug treatment policy. Faupel CE. **J Drug Educ** 1985;15(3):189–203

The impact of age-concentrated, publicly assisted housing on older people's social and emotional well-being. Hinrichsen GA. **J Gerontol** 1985 Nov;40(6):758–60

Cognitive changes after social skills training with young mildly mentally handicapped adults. Lindsay WR. **J Ment Defic Res** 1986 Mar;30 (Pt 1):81–8

Psychosocial and environmental variables in outcome of black schizophrenics. Chu CC, et al. **J Natl Med Assoc** 1985 Oct;77(10):793–6

Eating disorders and social maladjustment in female medical students. Herzog DB, et al. **J Nerv Ment Dis** 1985 Dec; 173(12):734–7

Three months after severe head injury: psychiatric and social impact on relatives. Livingston MG, et al. **J Neurol Neurosurg Psychiatry** 1985 Sep;48(9):870–5

Patient outcome in the year following severe head injury and relatives' psychiatric and social functioning. Livingston MG, et al. **J Neurol Neurosurg Psychiatry** 1985 Sep; 48(9):876–81

The psychosocial adjustment to illness scale (PAIS). Derogatis LR. **J Psychosom Res** 1986;30(1):77–91

The relationship between psychosocial factors and sports injuries. Lysens R, et al. **J Sports Med Phys Fitness** 1986 Mar;26(1):77–84

Cystic fibrosis in adult life: a study of coping patterns. Pinkerton P, et al. **Lancet** 1985 Oct 5;2(8458):761–3

Personal and social skills training: cognitive-behavioral approaches to substance abuse prevention. Botvin GJ, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1985;63:8–49

Social and personal skills training programs for smoking prevention: critique and directions for future research. Glasgow RE, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1985;63:50–66

The cognitive developmental model and other alternatives to the social skills deficit model of smoking onset. McCarthy WJ. **Natl Inst Drug Abuse Res Monogr Ser** 1985; 63:153–69

Follow-up study of intracranial aneurysms with special reference to long-term social rehabilitation. Ise H, et al. **Neurol Med Chir (Tokyo)** 1985 Jul;25(7):541–50

Living with chronic pain: the spouse's perspective. Rowat KM, et al. **Pain** 1985 Nov;23(3):259–71

Self catheterization: urinary complications and the social resettlement of spinal cord injured patients. Berard E, et al. **Paraplegia** 1985 Dec;23(6):386

Planned change: an innovative nursing rehabilitation model. Bevvino CA, et al. **Perspect Psychiatr Care** 1984 Oct-Dec; 22(4):149–58

The construction, development and testing of a self-report questionnaire to identify social problems. Corney RH, et al. **Psychol Med** 1985 Aug;15(3):637–49

Effect of expectation and level of adjustment on treatment outcome. Evans RL, et al. **Psychol Rep** 1985 Dec;57(3 Pt 1):936–8

Social interests and feelings of hopelessness among elderly persons. Miller MJ, et al. **Psychol Rep** 1986 Apr;58(2):410

Social consequences of brain or liver relapse in small cell carcinoma of the bronchus. Feiletti R, et al. **Radiother Oncol** 1985 Dec;4(4):335–9

Social function of adults with isolated ventricular septal defects. Possible negative effects of surgical repair? Otterstad JE, et al. **Scand J Soc Med** 1986;14(1):15–23

Predictors of outcome in schizophrenia: the process–reactive dimension. Harrow M, et al. **Schizophr Bull** 1986; 12(2):195–207

The early course of schizophrenic thought disorder. Harrow M, et al. **Schizophr Bull** 1986;12(2):208–24

Differences in symptomatology and social adjustment between urban and rural schizophrenics. Chu CC, et al. **Soc Psychiatry** 1986;21(1):10–4

Measurement of social disability in a schizophrenic patient group. Definition, assessment and outcome over 2 years in a cohort of schizophrenic patients of recent onset. Schubart C, et al. **Soc Psychiatry** 1986;21(1):1–9

Social effects of diazepam use: a longitudinal field study. Caplan RD, et al. **Soc Sci Med** 1985;21(8):887–98

Social integration of the physically disabled in Barbados. Goerdt A. **Soc Sci Med** 1986;22(4):459–66

Temporal lobe epilepsy: social and psychological considerations. Beit-Jones MS, et al. **Soc Work Health Care** 1985–86 Winter;11(2):17–33

Psychosocial aspects of childhood cancer. Copeland DR, et al. **Tex Med** 1986 Apr;82(4):46–8

[Psychosocial strain, stress and ischemic heart disease. I. Social stress and individual reaction patterns] Netterstrm B, et al. **Ugeskr Laeger** 1986 Jan 27;148(5):271–5 (Eng. Abstr.) (Dan)

[Psychology and social ecology of the aged (or the dynamics of gerontologic action)] Richard J, et al. **Ann Med Psychol (Paris)** 1985 Jun;143(6):505–18 (Eng. Abstr.) (Fre)

[Character disorders and social maladjustment] Jaklewicz H. **Psychiatr Neurol Med Psychol Beih** 1968;8–9:208–10 (Eng. Abstr.) (Fre)

[Some sociopsychiatric aspects of psychophysically retarded children] Uglešić B. **Psychiatr Neurol Med Psychol Beih** 1968;8–9:198–203 (Eng. Abstr.) (Fre)

[Points of reference for the occupational and social rehabilitation of adolescent patients with traumatic spinal injuries] Kratzsch J, et al. **Beitr Orthop Traumatol** 1986 May;33(5):236–41 (Eng. Abstr.) (Ger)

[The social training of convicted drunk drivers during their prison term] Goderbauer R, et al. **Blutalkohol** 1986 Jan; 23(1):35–54 (Eng. Abstr.) (Ger)

[Psychosocial follow-up of burn patients] Bruck JC, et al. **Handchir Mikrochir Plast Chir** 1985 Nov;17(6):343–7 (Eng. Abstr.) (Ger)

[Schizophrenia and social adjustment. A prospective longitudinal study] Jablensky A, et al. **Monogr Gesamtgeb Psychiatr (Berlin)** 1986;40:1–163 (Ger)

[Psychopathometric study of the prognostic significance of psychopathologic findings and premorbid personality for discharge of neuroleptic treated patients with schizophrenic psychoses] Möller HJ, et al. **Nervenarzt** 1985 Sep; 56(9):498–505 (Ger)

[Effect of diabetes mellitus on the development of personality and behavior of children and adolescents] Schoberberger C, et al. **Padiatr Padol** 1985;20(4):369–74 (Eng. Abstr.) (Ger)

[Social sequelae of poliomyelitis] Fiala V, et al. **Psychiatr Neurol Med Psychol Beih** 1968;8–9:204–8 (Eng. Abstr.) (Ger)

[Social development of epileptic children and adolescents] Gebelt H. **Psychiatr Neurol Med Psychol Beih** 1979; 25:155–60 (Eng. Abstr.) (Ger)

[Follow-up study of school age children having received inpatient treatment for infant atrophy, with regard to their personality development and social adjustment] Kibédi F, et al. **Psychiatr Neurol Med Psychol Beih** 1968;8–9:70–3 (Eng. Abstr.) (Ger)

[Stomatologic studies in schizophrenic patients—contributions to the problem of medical and social integration of psychiatric patients] Bohlmann G, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Apr; 38(4):194–7 (Eng. Abstr.) (Ger)

[Psycho- and sociotherapeutic problems and their management in female groups] Ecke C, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1985 Aug; 37(8):451–7 (Eng. Abstr.) (Ger)

[Psychosocial effects of mastectomy and the need for psychosocial treatment—an empirical study of breast cancer patients] Muthny FA, et al. **Psychother Psychosom Med Psychol** 1986 Jul;36(7):240–9 (Eng. Abstr.) (Ger)

[Tasks and possibilities of psychosocial rehabilitation of handicapped adolescents in a residential environment—an empirical study] Adelt-Hussong T. **Rehabilitation (Stuttg)** 1985 Nov;24(4):197–201 (Eng. Abstr.) (Ger)

[Medical and social aspects of the psychological health of the elderly] Häfner H. **Schweiz Arch Neurol Psychiatr** 1986; 137(4):47–60 (Eng. Abstr.) (Ger)

[Social problems and evaluation. II: Evaluation of amputations] Marten G. **Unfallchirurg** 1985 Sep;88(9):416–8 (Eng. Abstr.) (Ger)

[Social problems and evaluation. I: Psychosocial aspects of amputees] Marten G. **Unfallchirurg** 1985 Sep;88(9):414–5 (Eng. Abstr.) (Ger)

[Experiences and results with the occupational and social integration of psychiatric patients] Ficker F. **Z Arztl Fortbild (Jena)** 1985;79(23):999–1002 (Ger)

[The Rockstock longitudinal study on risk children—a contribution to the dialectics of biological, psychological and social aspects] Meyer-Probst B, et al. **Z Arztl Fortbild (Jena)** 1986;80(2):73–8 (Ger)

[Subjective assessment of personal handicaps of medium grade and severely disabled patients] Herrfurth R, et al. **Z Gesamte Hyg** 1985 Jul;31(7):428–9 (Eng. Abstr.) (Ger)

[Practically applicable and social knowledge of former special education students] Herrfurth R, et al. **Z Gesamte Hyg** 1985 Jul;31(7):426–7 (Eng. Abstr.) (Ger)

[Development status of the social rehabilitation of patients with rheumatic diseases in the Gera district] Leistner K, et al. **Z Gesamte Hyg** 1986 Jan;32(1):55–9 (Eng. Abstr.) (Ger)

[Principle of active social adjustment—the foundation of effective geriatric health] Werling H. **Z Gesamte Inn Med** 1986 Mar 1;41(5):141–4 (Eng. Abstr.) (Ger)

[The concept of disease in patients with atopic dermatitis] Gieler U, et al. **Z Hautkr** 1985 Aug 1;60(15):1224–30,1235 (Eng. Abstr.) (Ger)

[Geriatric health in theory formation in social gerontology] Eitner S. **ZFA** 1986 Mar–Apr;41(2):103–5 (Ger)

[Determination of biologic aging within the scope of the Halberstadt gerontologic study. 3. Partial Index III (prevailing social area)] Kühne KD, et al. **ZFA** 1985 Nov–Dec;40(6):351–6 (Eng. Abstr.) (Ger)

[The epileptic experience] Di Giuseppe B, et al. **Minerva Psichiatr** 1985 Oct–Dec;26(4):327–37 (Eng. Abstr.) (Ita)

[Emigration: related psychopathological aspects] Spinetti G, et al. **Minerva Psichiatr** 1985 Oct–Dec;26(4):313–5 (Eng. Abstr.) (Ita)

[Survey on the actual condition of ex-alcoholics—by using the questionnaire to the members of "Danshukai" in Shizuoka prefecture] Sugita T, et al. **Arukoru Kenkyuto Yakubutsu Ison** 1985 Sep;20(3):250–62 (Eng. Abstr.) (Jpn)

[Maladjustment signs of employees in the MMPI (Minnesota Multiphasic Personality Inventory). I. Psychological maladjustment] Hara T, et al. **Sangyo Igaku** 1985 May; 27(3):141–51 (Eng. Abstr.) (Jpn)

[Social rehabilitation of chronic schizophrenics] Sakaguchi K. **Seishin Shinkeigaku Zasshi** 1985;87(7):444–51 (Jpn)

[Results of studies of the social adaptation of patients with psychoses] Słupczyńska E. **Psychiatr Pol** 1985 Sep–Oct; 19(5):380–6 (55 ref.) (Pol)

[The methods of evaluating social adjustment in psychiatric and sociological studies. II. The methods of collecting information and the methods of evaluating behavior] Słupczyńska E. **Psychiatr Pol** 1985 Jul–Aug;19(4):316–20 (Pol)

[The methods of measuring social adaptation in psychiatric and social studies. I. Concepts and definitions] Słupczyńska E. **Psychiatr Pol** 1985 May–Jun;19(3):226–32 (17 ref.) (Eng. Abstr.) (Pol)

[Clinical aspects and the socio-occupational rehabilitation of schizophrenics in the Romanian capital] Alexandrescu L, et al. **Rev Med Interna [Neurol Psihiatr]** 1985 Apr–Jun; 30(2):105–24 (Rum)

[Sociocultural aspects in the clinical picture and socio-occupational rehabilitation of schizophrenia] Predescu V, et al. **Rev Med Interna [Neurol Psihiatr]** 1985 Apr–Jun;30(2):81–104 (123 ref.) (Rum)

[Reflections on the function of the social integration of schizophrenics] Riţca E. **Rev Med Interna [Neurol Psihiatr]** 1985 Apr–Jun; 30(2):139–43 (Rum)

[Therapeutic and social aspects of rheumatoid arthritis] Korshunov NI. **Ter Arkh** 1985;57(9):148–52 (Rus)

[Role of the change in social position in readjustment of the motivational–purposeful sphere of oncologic patients] Asmolov AG, et al. **Zh Nevropatol Psikhiatr** 1985; 85(12):1846–51 (Eng. Abstr.) (Rus)

[Clinico-demographic characteristics and features of the social and occupational adaptation of schizophrenics in 3 population groups living in the northeastern region of the European portion of the USSR (clinico–epidemiologic study)] Gainullin RG, et al. **Zh Nevropatol Psikhiatr** 1986; 86(5):713–9 (Eng. Abstr.) (Rus)

[Social–psychological features of the life style of aging persons] Panina NV, et al. **Zh Nevropatol Psikhiatr** 1985; 85(9):1358–61 (Eng. Abstr.) (Rus)

[Social-work adaptation of patients with sluggish schizophrenia in the late stages of the course of the disease (according to the results of a clinico–epidemiologic study)] Sarsembaev KT. **Zh Nevropatol Psikhiatr** 1985; 85(8):1217–21 (Eng. Abstr.) (Rus)

[Adaptation of elderly persons to a microsocial environment as a task of medico–psychological consultation] Voronkov GL, et al. **Zh Nevropatol Psikhiatr** 1985;85(9):1370–4 (Eng. Abstr.) (Rus)

SOCIAL ALIENATION

Deaf–mutia: responses to alienation by the deaf in the mid–nineteenth century. Winzer MA. **Am Ann Deaf** 1986 Mar;131(1):29–32

Depression. A case of anger and alienation. Crockett MS. **Am J Nurs** 1986 Mar;86(3):294–8

Social disaffection, friendship patterns and adolescent cigarette use: the Muscatine Study. Krohn MD, et al. **J Sch Health** 1986 Apr;56(4):146–50

A model of estrangement—including a theoretical understanding of loneliness. Andersson L. **Psychol Rep** 1986 Jun;58(3):683–95

Paranormal beliefs, alienation and anomie in college students. Tobacyk J. **Psychol Rep** 1985 Dec;57(3 Pt 1):844–6

Cynicism and paranoid alienation in the Cook and Medley HO Scale. Costa PT Jr, et al. **Psychosom Med** 1986 Mar–Apr;48(3–4):283–5

SOCIAL BEHAVIOR

Adolescents: why they can be so obnoxious. Newman J. **Adolescence** 1985 Fall;20(79):635–46

Is the social use of marijuana dangerous or addicting? Lasagna L. **Adv Alcohol Subst Abuse** 1985 Fall–1986 Winter;5(1–2):77–81

An observational study of young adults' drinking groups—II. Drink purchasing procedures, group pressures and alcohol consumption by companions as predictors of alcohol consumption. Aitken PP. **Alcohol Alcohol** 1985; 20(4):445–57

Using an interactive videodisc program to teach social skills to handicapped children. Thorkildsen R. **Am Ann Deaf** 1985 Nov;130(5):383–5

Social networks and adult social identities: profiles and correlates of support and rejection. Hirsch BJ, et al. **Am J Community Psychol** 1986 Aug;14(4):395–412

Effects of social behavior on children's attitudes toward their mildly and moderately mentally retarded peers. Siperstein GN, et al. **Am J Ment Defic** 1985 Nov;90(3):319–27

Effects of types of institutionalization on responsiveness to social reinforcement, wariness, and outerdirectedness among low-MA residents. Zigler E, et al. **Am J Ment Defic** 1986 Jul;91(1):10–7

Environmental ratings and children's social behavior: implications for the assessment of day care quality. Bjorkman S, et al. **Am J Orthopsychiatry** 1986 Apr; 56(2):271–7

Assessing variation in the social behavior of stumptail macaques using thermal criteria. Dahl JF, et al. **Am J Phys Anthropol** 1985 Dec;68(4):467–77

Psychosocial and behavioral factors differentiating past drinkers and life-long abstainers. Eward AM, et al. **Am J Public Health** 1986 Jan;76(1):68–70

The powers of John Barleycorn. Beliefs about the effects of alcohol on social behavior. Critchlow B. **Am Psychol** 1986 Jul;41(7):751–64 (97 ref.)

Genetic studies of Pangwalas, Transhumant and Settled Gaddis. 4. Colour blindness, mid-phalangeal hair, ear lobe attachment and behavioural traits. Bhasin MK, et al. **Anthropol Anz** 1986 Mar;44(1):45–53

Social validation of heterosexual social behavior in community settings: a comparison of mentally retarded and non-mentally retarded adults. Cuvo AJ, et al. **Appl Res Ment Retard** 1985;6(4):421–35

Does the benzodiazepine antagonist Ro 15-1788 reverse the actions of picrotoxin and pentylenetetrazole on social and exploratory behaviour? File SE, et al. **Arch Int Pharmacodyn Ther** 1985 Oct;277(2):272–9

The influence of otitis media with effusion on speech and language development and psycho-intellectual behaviour of the preschool child—results of a cross-sectional study in 1,512 children. Van Cauwenberge P, et al. **Auris Nasus Larynx** 1985;12 Suppl 1:S228–30

Recovery of functions after neonatal or adult hemispherectomy in cats. III. Complex functions: open field exploration, social interactions, maze and holeboard performances. Burgess JW, et al. **Behav Brain Res** 1986 May;20(2):217–30

Comment on genetic similarity theory. Mealey L. **Behav Genet** 1985 Nov;15(6):571–4

Genetic similarity theory: a reply to Mealey and new evidence. Rushton JP, et al. **Behav Genet** 1985 Nov; 15(6):575–82

The effects of naloxone and cage size on social play and activity in isolated young rats. Siegel MA, et al. **Behav Neural Biol** 1986 Mar;45(2):155–68

Social play soliciting by male and female juvenile rats: effects of neonatal androgenization and sex of cagemates. Thor DH, et al. **Behav Neurosci** 1986 Apr;100(2):275–9

Computer simulation of Freud's counterwill theory: extension to elementary social behavior. Denker MW, et al. **Behav Sci** 1986 Apr;31(2):103–41

Kin recognition: functions and mechanisms. A review. Hepper PG. **Biol Rev Cambridge Philosophic Soc** 1986 Feb; 61(1):63–93 (236 ref.)

Social disability and outcome in schizophrenic patients. de Jong A, et al. **Br J Psychiatry** 1985 Dec;147:631–6

Experiences in day care and social competence among maltreated children. Bradley RH, et al. **Child Abuse Negl** 1986;10(2):181–9

Children's reasoning about social, physical, and logical

regularities: a look at two worlds. Komatsu LK, et al. **Child Dev** 1986 Apr;57(2):413–20

The development of children's strategies for the social control of emotion. McCoy CL, et al. **Child Dev** 1985 Oct; 56(5):1214–22

Behavioral competence of maltreated children in child care. Bradley RH, et al. **Child Psychiatry Hum Dev** 1986 Spring; 16(3):171–93

The influence of time of day on infant social initiative. Schultz NW, et al. **Child Psychiatry Hum Dev** 1985 Winter; 16(2):67–76

Visually imprinted maternal preference in ducklings is redirected by social interaction with siblings. Lickliter R, et al. **Dev Psychobiol** 1986 May;19(3):265–77

Social interactions among rats housed in grouped and enriched conditions. Renner MJ, et al. **Dev Psychobiol** 1986 Jul;19(4):303–13

Play profiles of captive adult orangutans: a developmental perspective. Zucker EL, et al. **Dev Psychobiol** 1986 Jul; 19(4):315–26

Peer social initiations: effective intervention for social skills development of exceptional children. Strain PS, et al. **Except Child** 1986 Apr;52(6):543–51

Genital signalling and the coexistence of male vervet monkeys (Cercopithecus aethiops pygerythrus). Henzi SP. **Folia Primatol (Basel)** 1985;45(3–4):129–47

Behavioural problems in dogs and cats. O'Farrell V. **In Pract** 1986 May;8(3):91–100

Oestrus suppression in grouped wild mice: effect of short-term grouping. Pandey SC, et al. **Indian J Exp Biol** 1986 Mar;24(3):142–4

Conversational behavior in two health care institutions for the elderly. Sigman SJ. **Int J Aging Hum Dev** 1985; 21(2):137–54

Hostilité, conformité, fraternité: the group dynamics of terrorist behavior. Post JM. **Int J Group Psychother** 1986 Apr;36(2):211–24

Psychosocial aspects of terminal care. A preliminary study of nurses' attitudes and behaviour in a general hospital. Conboy-Hill S. **Int Nurs Rev** 1986 Jan–Feb;33(1):19–21

Trance logic duality and hidden observer responding in hypnotic, imagination control, and simulating subjects: a social psychological analysis. Spanos NP, et al. **J Abnorm Psychol** 1985 Nov;94(4):611–23

Social dramatics: social skills development for the chronically mentally ill. Whetstone WR. **J Adv Nurs** 1986 Jan; 11(1):67–74

Teaching social language to moderately handicapped students. Haring TG, et al. **J Appl Behav Anal** 1986 Summer;19(2):159–71

Training prosocial behaviors to young children: an analysis of reciprocity with untrained peers. Kohler FW, et al. **J Appl Behav Anal** 1985 Fall;18(3):187–200

The Lowe and Costello Symbolic Play Test in socially impaired children. Gould J. **J Autism Dev Disord** 1986 Jun; 16(2):199–213

Some qualitative aspects of the social behaviour of autistic children: an ethological approach. van Engeland H, et al. **J Child Psychol Psychiatry** 1985 Nov;26(6):879–93

Social skills training to enhance the interpersonal adjustment of a speech and hearing impaired adult. Tisdelle DA, et al. **J Commun Disord** 1986 Jun;19(3):197–207

Determinants of social proximity in Japanese quail (Coturnix coturnix japonica): male behavior. Domjan M, et al. **J Comp Psychol** 1986 Mar;100(1):59–67

Effect of postweaning social experience on response of Siberian hamsters (Phodopus sungorus sungorus) toward young. Gibber JR, et al. **J Comp Psychol** 1985 Dec; 99(4):491–3

Social interaction with siblings is necessary for visual imprinting of species-specific maternal preferences in ducklings (Anas platyrhynchos). Lickliter R, et al. **J Comp Psychol** 1985 Dec;99(4):371–9

Structural analysis of social behavior: application to a study of interpersonal process in differential psychotherapeutic outcome. Henry WP, et al. **J Consult Clin Psychol** 1986 Feb;54(1):27–31

Situational influences on the predictive value of client behavior: implication for Bayesian prediction. Tsujimoto RN, et al. **J Consult Clin Psychol** 1986 Apr;54(2):264–6

Social and school competencies in children with short stature: longitudinal patterns. Holmes CS, et al. **J Dev Behav Pediatr** 1985 Oct;6(5):263–7

The effects of television form and violent content on boys' attention and social behavior. Potts R, et al. **J Exp Child Psychol** 1986 Feb;41(1):1–17

Partner preferences in different aged female rhesus macaques (Macaca mulatta). Williams L. **J Gerontol** 1986 Sep; 41(5):623–8

The lesbian community: an anthropological approach. Lockard D. **J Homosex** 1985 Summer;11(3–4):83–95

Sisters and brothers, lovers and enemies: marriage resistance in southern Kwangtung. Sankar A. **J Homosex** 1985 Summer;11(3–4):69–81

Importance of physical attractiveness and social assertiveness skills in male homosexual dating behavior and partner selection. Sergios P, et al. **J Homosex** 1985–86 Winter; 12(2):71–84

Psychiatric and behaviour disturbance in mental handicap. Fraser WI, et al. **J Ment Defic Res** 1986 Mar;30 (Pt 1):49–57

Alcoholism and antisocial personality. The sociobiology of an addiction. Kofoed L, et al. **J Nerv Ment Dis** 1986 Jun; 174(6):332–5

Processing bias: individual differences in the cognition of situations. Dworkin RH, et al. **J Pers** 1985 Sep; 53(3):480–501

Trait memory and behavior memory: the effects of alternative pathways on impression judgment response times. Carlston DE, et al. **J Pers Soc Psychol** 1986 Jan;50(1):5–13

Social skills and the stress–protective role of social support. Cohen S, et al. **J Pers Soc Psychol** 1986 May;50(5):963–73

A social-cognitive skills approach to the successful modification of hypnotic susceptibility. Gorassini DR, et al. **J Pers Soc Psychol** 1986 May;50(5):1004–12

Impression formation: the role of expressive behavior. Riggio RE, et al. **J Pers Soc Psychol** 1986 Feb;50(2):421–7

Formal vs informal group affiliations: implications for alcohol and drug use among adolescents. Selnow GW, et al. **J Stud Alcohol** 1986 Jan;47(1):48–52

Social skills training with persons who are mentally retarded. Davies RR, et al. **Ment Retard** 1985 Aug;23(4):186–96 (53 ref.)

Effects of lead in the laboratory mouse—2. Development and social behaviour after lifelong administration of a small dose of lead acetate in drinking fluid. Donald JM, et al. **Neuropharmacology** 1986 Feb;25(2):151–60

Pharmacological characterisation of a modified social interaction model of anxiety in the rat. Guy AP, et al. **Neuropsychobiology** 1985;13(4):194–200

Triazolobenzodiazepines antagonize the effects of anxiogenic drugs mediated at three different central nervous system sites. File SE, et al. **Neurosci Lett** 1985 Oct 24;61(1–2):115–9

An ethological analysis of the effects of tifluadom on social encounters in male albino mice. Brain PF, et al. **Pharmacol Biochem Behav** 1985 Dec;23(6):979–85

Sociosexual behaviors of female rats during and after chronic treatment with the sympatholytic agent guanethidine. Emery DE. **Pharmacol Biochem Behav** 1985 Aug; 23(2):267–73

Social behaviour in pairs of C57BL/6 mice of both sexes in the open field: effects of saline drinking and of naloxone. Vickers C, et al. **Pharmacol Biochem Behav** 1985 Dec; 23(6):905–9

Comparisons of the influence of morphine sulphate, morphine-3-glucuronide and tifluadom on social encounters in mice. Benton D, et al. **Physiol Behav** 1985 Nov;35(5):689–93

Blindness and play fighting in juvenile rats. Bierley RA, et al. **Physiol Behav** 1986;36(2):199–201

Responses to conspecifics' urine by the degu (Octodon degus). Fischer RB, et al. **Physiol Behav** 1985 Jun; 34(6):999–1001

Effects of fluprazine hydrochloride on conspecific odor preferences in rats. Kemble ED, et al. **Physiol Behav** 1986; 37(1):53–6

Periodic exposure to mother is potent zeitgeber of rat pups' rhythm. Shimoda K, et al. **Physiol Behav** 1986;36(4):723–30

Effects of ovariectomy, social instability and social status on female Macaca fascicularis social behavior. Shively CA, et al. **Physiol Behav** 1986;36(6):1147–53

Caffeine and copulatory experience: interactive effects on social investigatory behavior. Thor DH, et al. **Physiol Behav** 1986;36(4):707–11

Social and behavioral consequences of alcohol consumption and expectancy: a meta-analysis. Hull JG, et al. **Psychol Bull** 1986 May;99(3):347–60

Human cognition in its social context. Wyer RS Jr, et al. **Psychol Rev** 1986 Jul;93(3):322–59

The effect of the beta-carboline FG 7142 on the behaviour of male rats in a living cage: an ethological analysis of social and nonsocial behaviour. Beck CH, et al. **Psychopharmacology (Berlin)** 1986;89(2):203–7

Naltrexone: no effect on simian social and motor behavior. Crowley TJ, et al. **Psychopharmacology (Berlin)** 1985; 87(2):250–1

Toward a psychopathology of totalitarian relationships. Pélicier Y. **Soc Psychiatry** 1986;21(3):105

An analytic typology of disclaimers, excuses and justifications surrounding illness: a situational approach to health and illness. Alonzo AA. **Soc Sci Med** 1985;21(2):153–62

[Psychosocial diagnosis in modern medicine] Dunovský J, et al. **Cas Lek Cesk** 1985 Nov 1;124(44):1345–8 (Eng. Abstr.) (Cze)

[Influence of anti-tobacco campaigns on the smoking behavior seen in Belgian Army recruits (the 1980 draft)] Vuylsteek K, et al. **Arch Belg** 1985;43(3–4):124–36 (Eng. Abstr.) (Dut)

[A study of the reliability and validity of the 'Observation Psychogeriatrics' behavior observation scale. An instrument for assessing residual ability and need for care of psychogeriatric patients] Duine TJ, et al. **Tijdschr Gerontol Geriatr** 1985 Dec;16(6):227–34 (Eng. Abstr.) (Dut)

[The rules of exchange in contemporary families: confrontation and ambivalence of several definitions of fairness] Kellerhals J. **Schweiz Arch Neurol Psychiatr** 1985; 136(6):139–53 (Fre)

[The concept of disease in patients with atopic dermatitis] Gieler U, et al. **Z Hautkr** 1985 Aug 1;60(15):1224–30,1235 (Eng. Abstr.) (Ger)

[Relations between depressive states and self reported activity and concentration deficits in early adolescence] Blöschl L, et al. **Z Klin Psychol Psychopathol Psychother** 1986; 34(1):32–40 (Ger)

[Giessen test of the aging dynamics of social behavior] Pöthig D, et al. **ZFA** 1985 Jul–Aug;40(4):245–52 (Eng. Abstr.) (Ger)

[The methods of evaluating social adjustment in psychiatric and sociological studies. II. The methods of collecting information and the methods of evaluating behavior] Słupczyńska E. **Psychiatr Pol** 1985 Jul–Aug;19(4):316–20 (Pol)

[Changes in the structure of group behavior in callosotomized rhesus monkeys] Fedan VA, et al. **Biull Eksp Biol Med** 1986 Jun;101(6):646–7 (Eng. Abstr.) (Rus)

[Group behavior and manipulation activity of primates in light of the problems of anthropogenesis] Deriagina MA, et al. **Vestn Akad Med Nauk SSSR** 1986;(3):40–1 (Eng. Abstr.) (Rus)

[New television setup for automatic recording of intraspecific contacts of laboratory rodents] Poshivalov VP, et al. **Zh Vysh Nerv Deiat** 1986 May–Jun;36(3):582–4 (Rus)

[Reproductive function of the rat with individual behavioral traits during maintenance in isolation and crowding] Zukhar' AV. **Zh Vysh Nerv Deiat** 1985 Sep–Oct; 35(5):985–7 (Rus)

[The myth of the Gaucho Martín Fierro] Yampey N. **Acta Psiquiatr Psicol Am Lat** 1985 Jun;31(2):87–94 (Eng. Abstr.) (Spa)

[Effects of social origins and professional socialization on the vocational preferences of medical interns in Mexico] Frenk J. **Educ Med Salud** 1985;19(4):426–51 (Eng. Abstr.) (Spa)

[Psychosocial development of adolescents from 12 to 15] Almonte C, et al. **Rev Chil Pediatr** 1985 Jul–Aug; 56(4):263–70 (Eng. Abstr.) (Spa)

DRUG EFFECTS

Acute marijuana effects on social conversation. Higgins ST, et al. **Psychopharmacology (Berlin)** 1986;89(2):234–8

SOCIAL BEHAVIOR DISORDERS

see related

ANTISOCIAL PERSONALITY DISORDER

Problem patients in a psychiatric inpatient setting. An explorative study. Modestin J, et al. **Eur Arch Psychiatry Neurol Sci** 1986;235(5):309–14

Malingerophobia. Pilowsky I. **Med J Aust** 1985 Dec 9–23; 143(12–13):571–2

Sticks and stones [editorial] Vane AA. **Med J Aust** 1985 Sep 30;143(7):277

COMPLICATIONS

[Socio-psychological characteristics of patients with hypertension] Aivazian TA, et al. **Kardiologiia** 1985 Jun; 25(6):61–3 (Eng. Abstr.) (Rus)

DIAGNOSIS

The measurement of social behaviour in psychiatric patients: an assessment of the reliability and validity of the SBS schedule. Wykes T, et al. **Br J Psychiatry** 1986 Jan;148:1–11

[Further development and restandardization of an approach to the diagnosis of aggressive social behavior in childhood] Zimmermann W. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Jun;38(6):337–44 (Eng. Abstr.) (Ger)

ETIOLOGY

Behavior disorders and laterality of cerebral function. Kawabata Y, et al. **Int J Neurosci** 1985 Aug;27(3–4):235–9

[Bio–psycho–social sequelae of long–term stress in persons active in the Home Army and People's Army] Krupka-Matuszczyk I, et al. **Przegl Lek** 1986;43(1):14–7 (Pol)

PREVENTION & CONTROL

Preventing psychological problems in children of divorce: general practitioner's role. Caplan G. **Br Med J [Clin Res]** 1986 May 31;292(6533):1431–4

[Prevention of social disadaptation and substance dependence in the army] Gigantino M. **Minerva Psichiatr** 1985 Apr–Jun; 26(2):201–3 (Ita)

PSYCHOLOGY

Dealing with the difficult older patient. Laurence MK. **Can Med Assoc J** 1986 May 15;134(10):1122–6

Social skills and irrational beliefs: a preliminary report. Monti PM, et al. **J Behav Ther Exp Psychiatry** 1986 Mar; 17(1):11–4

Psychiatric ward behavior and length of stay in adolescent and young adult inpatients: a developmental approach to prediction. Browning DL. **J Consult Clin Psychol** 1986 Apr;54(2):227–30

Problem behavior theory and consumption and consequences of alcohol use. Sadava SW. **J Stud Alcohol** 1985 Sep; 46(5):392–7

Identity confusion. Nursing diagnoses for adolescents. Oldaker SM. **Nurs Clin North Am** 1985 Dec;20(4):763–73

Disorders of facial recognition, social behaviour and affect after combined bilateral amygdalotomy and subcaudate tractotomy—a clinical and experimental study. Jacobson R. **Psychol Med** 1986 May;16(2):439–50

Behaviour disturbance and mental handicap: typology and

longitudinal trends. Leudar I, et al. **Psychol Med** 1984 Nov; 14(4):923–35

[Behavior disorders in the workplace] Cazzullo CL. **Med Lav** 1986 Mar–Apr;77(2):139–48 (Eng. Abstr.) **(Ita)**

REHABILITATION

Rehabilitation after severe brain injury: a special-unit approach to behaviour disorders. Eames P, et al. **Int Rehabil Med** 1985;7(3):130–3

THERAPY

Long term follow-up study of a ward-based behaviour modification programme for adolescents with acting-out and conduct problems. Moyes T, et al. **Br J Psychiatry** 1985 Sep;147:300–5

Utility of cognitive-behavioral procedures for social skills training with children: a critical review. Gresham FM. **J Abnorm Child Psychol** 1985 Sep;13(3):411–23

Tough love: help for parents with troubled teenagers—reorganizing the hierarchy in disorganized families. Newton B. **Pediatrics** 1985 Oct;76(4 Pt 2):691–4

[Problems in adolescent psychiatry. 1–year experience in the administration of a unit for adolescent girls in the psychiatric hospital in Brno] Černý J, et al. **Cesk Psychiatr** 1985 Dec;81(6):407–13 (Eng. Abstr.) **(Cze)**

SOCIAL BREAKDOWN SYNDROME see under **SOCIAL BEHAVIOR DISORDERS**

SOCIAL CHANGE

see related
GROUP PROCESSES

Values, ethics, and morality in our future society. Lesse S. **Am J Psychother** 1985 Jul;39(3):297–300

Alcohol use and alcoholism in Latin America: changing patterns and sociocultural explanations. Coombs DW, et al. **Int J Addict** 1986 Jan;21(1):59–81

The Mexican Revolution and health care or the health of the Mexican Revolution. Horn JJ. **Int J Health Serv** 1985; 15(3):485–99

Stress and sorcery in three social groups. Dressler WW. **Int J Soc Psychiatry** 1985 Winter;31(4):275–81

Keynote address. Labelle H. **Int Nurs Rev** 1985 Sep–Oct; 32(5):141–4

Social networking, hardiness and immigrant's mental health. Kuo WH, et al. **J Health Soc Behav** 1986 Jun;27(2):133–49 (57 ref.)

Persistence and change in the berdache tradition among contemporary Lakota Indians. Williams WL. **J Homosex** 1985 Summer;11(3–4):191–200

Sexual reformation and counterreformation in law and medicine. Money J. **Med Law** 1985;4(5):479–88

Changing factors and changing needs in women's health care. Leslie LA, et al. **Nurs Clin North Am** 1986 Mar; 21(1):111–23 (33 ref.)

The place of group psychotherapy in a changing society. Stone WN. **Soc Psychiatry** 1985;20(4):153–5

Effects of rapid urbanization on child behaviour and health in a part of Khartoum, Sudan—II. Psycho-social influences on behaviour. Rahim SI, et al. **Soc Sci Med** 1986; 22(7):723–30

[Interactions between changes in the living environment and the child's personality] Baekelmans-de Backer T. **Arch Belg** 1985;43(5–8):252–69 **(Dut)**

[Diversification of structure. Expectations of the families and of society] Lambrechts E, et al. **Arch Belg** 1985; 43(5–8):314–8 **(Dut)**

[Turning gray and social inequality] Becker HA. **Tijdschr Gerontol Geriatr** 1986 Jun;17(3):104–6 (Eng. Abstr.) **(Dut)**

[Changes in the family model and the psychosocial development of the child] Morsa J, et al. **Arch Belg** 1985; 43(5–8):319–26 **(Fre)**

[The development of new family patterns] Roussel L. **Arch Belg** 1985;43(5–8):213–24 **(Fre)**

[What consequences does the development of women over the last 20 years have for the family?] Badinter E. **Schweiz Arch Neurol Psychiatr** 1985;136(6):39–46 **(Fre)**

[Contemporary transformations in family law: causes, outcomes and consequences] Grossen JM. **Schweiz Arch Neurol Psychiatr** 1985;136(6):47–57 **(Fre)**

[Sexuality in social change. An empirical comparative study of students 1966 and 1981] Clement U. **Beitr Sexualforsch** 1986;61:1–129 **(Ger)**

[Change in values and language] Maier H. **Langenbecks Arch Chir** 1985;366:681–92 **(Ger)**

[Vocational integration of disabled patients—perspectives and recommendations in changing labor market conditions] Runde P. **Rehabilitation (Stuttg)** 1986 Feb;25(1):2–8 (Eng. Abstr.) **(Ger)**

[Social development and scientific view of life] Straass G. **Z Arztl Fortbild (Jena)** 1985;79(10):457–60 **(Ger)**

[Ontologic aspects of change] Amorosi M. **Minerva Psichiatr** 1985 Apr–Jun;26(2):175–7 **(Ita)**

[Social change, family life and crises of the individual in the Chianti countryside] Manfrida GM, et al. **Minerva Psichiatr** 1985 Apr–Jun;26(2):205–7 **(Ita)**

SOCIAL CLASS

Social class and social mobility in depressed patients. Eisemann M. **Acta Psychiatr Scand** 1986 Apr;73(4):399–402

Social class and psychiatric outcome. Gift TE, et al. **Am J Psychiatry** 1986 Feb;143(2):222–5

Social class and psychiatric practice: a revision of the Hollingshead and Redlich model. Mollica RF, et al. **Am J Psychiatry** 1986 Jan;143(1):12–7

Social support and life events in working class women. Stress buffering or independent effects? Parry G, et al. **Arch Gen Psychiatry** 1986 Apr;43(4):315–23

The effect of social class on attendance frequency and dental treatment received in the General Dental Service in Scotland. Eddie S, et al. **Br Dent J** 1985 Dec 7; 159(11):370–2

The effect of social class and cognitive orientation on clinical expectations. Foon AE. **Br J Med Psychol** 1985 Dec;58 (Pt 4):357–64

Lies, damned lies, and suppressed statistics [editorial] **Br Med J [Clin Res]** 1986 Aug 9;293(6543):349–50

Whatever happened to the Black report? [letter] Goldblatt P. **Br Med J [Clin Res]** 1986 Aug 23;293(6545):503–4

Social class and age distribution in Reye's syndrome. Morris JA, et al. **Br Med J [Clin Res]** 1986 Feb 8;292(6517):379

Prospective study of attainment of social class of severely obese subjects in relation to parental social class, intelligence, and education. Sonne-Holm S, et al. **Br Med J [Clin Res]** 1986 Mar 1;292(6520):586–9

Social class differences in fetal and neonatal mortality rates [letter] Thomas J. **Br Med J [Clin Res]** 1985 Aug 31; 291(6495):605

Blood pressure in a national birth cohort at the age of 36 related to social and familial factors, smoking, and body mass. Wadsworth ME, et al. **Br Med J [Clin Res]** 1985 Nov 30;291(6508):1534–8

How lower- and working-class youth become middle-class adults: the association between ego defense mechanisms and upward social mobility. Snarey JR, et al. **Child Dev** 1985 Aug;56(4):899–910

Relationships between exposure to additional fluoride, social background and dental health in 7-year-old children. Fergusson DM, et al. **Community Dent Oral Epidemiol** 1986 Feb;14(1):48–52

Social class (as estimated by occupational prestige) and mortality in Australian males in the 1970s. McMichael AJ. **Community Health Stud** 1985;9(3):220–30

Children of the rich. Pittman FS 3d. **Fam Process** 1985 Dec; 24(4):461–72

Intergenerational mobility and the relationship between adults and their aging parents in Sweden. Sundström G. **Gerontologist** 1986 Aug;26(4):367–71

Relationship between maternal vitamins B2 and B6 status and the levels of these vitamins in milk at different stages of lactation. A study in a low-income group of Indian women. Bamji MS, et al. **Hum Nutr Clin Nutr** 1986 Mar; 40(2):119–24

Leprosy and social class in the Middle Ages. Ell SR. **Int J Lepr Other Mycobact Dis** 1986 Jun;54(2):300–5

Sociocultural factors in MI recovery: an exploratory study. Ell KO, et al. **Int J Psychiatry Med** 1985–86;15(2):157–75

A study of behavioural deviance in 10 and 11 year old Irish school girls in an urban area. Barton Y, et al. **Ir J Med Sci** 1986 Mar;155(3):80–2

Social class, underprivileged areas and psychiatric disorder in the city of Stoke-on-Trent. Platt C. **J Adv Nurs** 1986 May;11(3):309–14

Grounds for divorce in England and Wales—a social and demographic analysis. Haskey JC. **J Biosoc Sci** 1986 Apr; 18(2):127–53

Intelligence test performance in obesity in relation to educational attainment and parental social class. Sørensen TI, et al. **J Biosoc Sci** 1985 Oct;17(4):379–87

National study of the effects of clients' socioeconomic status on clinical psychologists' professional judgments. Sutton RG, et al. **J Consult Clin Psychol** 1986 Apr;54(2):275–6

Social class analysis [letter] **J Epidemiol Community Health** 1985 Sep;39(3):275–6

Social stratification and self-management of health. Cockerham WC, et al. **J Health Soc Behav** 1986 Mar; 27(1):1–14

A new perspective on the relationships among race, social class, and psychological distress. Kessler RC, et al. **J Health Soc Behav** 1986 Jun;27(2):107–15

Medical education and reservation. Dutta GP. **J Indian Med Assoc** 1985 Jun;83(6):219–21

Social class as a confounding variable in the Eating Attitudes Test. Eisler I, et al. **J Psychiatr Res** 1985;19(2–3):171–6

Family influence on incidence of intestinal parasites among Nigerian children. Adekunle LV, et al. **J R Soc Health** 1986 Apr;106(2):66–8

Occupational prestige and mortality in black and white alcoholics. Combs-Orme T, et al. **J Stud Alcohol** 1985 Sep; 46(5):443–6

Mortality and social inequalities [letter] Ham RO, et al. **Lancet** 1986 Aug 30;2(8505):517

Mortality decline and widening social inequalities. Marmot MG, et al. **Lancet** 1986 Aug 2;2(8501):274–6

Inequality, poverty, and health [letter] Morris JN. **Lancet** 1986 Sep 13;2(8507):632–3

Shifting world views among nurses. Wuthnow SW. **Nurs Outlook** 1986 Jan–Feb;34(1):6–7

Office encounters in general practice in the Hamilton health district. III: Social class patterns among females, 15–64. Davis PB. **NZ Med J** 1986 Aug 13;99(807):573–6

Office encounters in general practice in the Hamilton Health District I: social class patterns among employed males, 15–64. Davis PB. **NZ Med J** 1985 Sep 25;98(787):789–92

Relationship between family socioeconomic status and cognitive/affective responses to the threat of nuclear war. Hamilton SB, et al. **Psychol Rep** 1986 Feb;58(1):247–50

Relations between psychopathological and socio-professional factors in out-patient department psychiatry. Joint work of the University Psychiatric Policlinic (Out-Patient Clinic), of the Research Centre of the University Institute of Mental Hygiene and of the Chair of Mathematics of Human Sciences of the Faculty of Social and Political Sciences. **Psychopathology** 1986;19 Suppl 1:9–259

Inequalities in children's deaths in the country with the lowest infant mortality? Rantakallio P. **Public Health** 1986 May;100(3):152–5

Influence of social status on female sexual behaviour. A random sample study of 40-year-old Danish women. Garde K, et al. **Scand J Prim Health Care** 1984 Feb; 2(1):5–10

Social class and changes in health-related habits in Finland in 1973–1983. Aro S, et al. **Scand J Soc Med** 1986; 14(1):39–47

The relation of social class to risk factors, rehabilitation, compliance and mortality in survivors of acute coronary heart disease. Conroy RM, et al. **Scand J Soc Med** 1986; 14(2):51–6

The use of social background data in social medicine research. Gogstad AC. **Scand J Soc Med** 1986;14(2):49–50

Selection intensities and inbreeding among some caste groups of Andhra Pradesh, India. Rao VV, et al. **Soc Biol** 1984 Spring–Summer;31(1–2):114–9

Distribution, endogamy, and isolation of Malas of Chittoor district, Andhra Pradesh, India. Reddy PC. **Soc Biol** 1984 Spring–Summer;31(1–2):108–13

Social class and psychiatric inpatient care: a twenty-five year perspective. Mollica RF, et al. **Soc Psychiatry** 1986; 21(3):106–12

Social and clinical correlates of unemployment in two cohorts of male parasuicides. Platt SD, et al. **Soc Psychiatry** 1986;21(1):17–24

Symptoms, social stratification and self-responsibility for health in the United States and West Germany. Cockerham WC, et al. **Soc Sci Med** 1986;22(11):1263–71

Sociocultural correlates of childhood sporting activities: their implications for heart health. Gottlieb NH, et al. **Soc Sci Med** 1985;21(5):533–9

Social class and survival on the S.S. Titanic. Hall W. **Soc Sci Med** 1986;22(6):687–90

The patterning of health by social position in contemporary Britain: directions for sociological research. Macintyre S. **Soc Sci Med** 1986;23(4):393–415 (174 ref.)

Preventive procedures and practices among working class women: new data and fresh insights. Pill R, et al. **Soc Sci Med** 1985;21(9):975–83

Influence of birthweight and social status on cordblood cholesterol in full term Nigerian neonates. Okoro BA, et al. **Trop Geogr Med** 1985 Dec;37(4):356–8

[Social status and cardiovascular disease. II. Problems in methods and theory] Kristensen TS. **Ugeskr Laeger** 1985 Oct 21;147(43):3429–33 (Eng. Abstr.) **(Dan)**

[Social status and cardiovascular disease. I. Review over empirical studies] Kristensen TS. **Ugeskr Laeger** 1985 Oct 21;147(43):3423–8 (Eng. Abstr.) **(Dan)**

[Social distribution of psychosomatic disorders in childhood and adolescence] Braun H. **Prax Kinderpsychol Kinderpsychiatr** 1985 Oct;34(7):269–76 (Eng. Abstr.) **(Ger)**

[Hygiene problems in F. Engels' work "The Position of the Working Class in England" (on the 140th anniversary of its publication)] Rezanov II. **Gig Sanit** 1986 Apr;(4):44–6 **(Rus)**

[Effects of social origins and professional socialization on the vocational preferences of medical interns in Mexico] Frenk J. **Educ Med Salud** 1985;19(4):426–51 (Eng. Abstr.) **(Spa)**

[Cognitive activity and sociocultural level] Ostrosky F, et al. **Rev Invest Clin** 1986 Jan–Mar;38(1):37–42 (Eng. Abstr.) **(Spa)**

[Correlation between genetic structure and social class in Chile (letter)] Cohn P, et al. **Rev Med Chil** 1985 May; 113(5):470–1 **(Spa)**

SOCIAL CLUBS, THERAPEUTIC see **SELF-HELP GROUPS**

SOCIAL CONDITIONS

Community competence: a positive approach to needs assessment. Goeppinger J, et al. **Am J Community Psychol** 1985 Oct;13(5):507–23

Social determinants of self-poisoning. Daly M, et al. **Br J Psychiatry** 1986 Apr;148:406–13

Self-esteem, vulnerability and psychiatric disorder in the community. Ingham JG, et al. **Br J Psychiatry** 1986 Apr; 148:375–85

Associations between symptoms of irritable colon and psychological and social conditions and lifestyle. Johnsen R, et al. **Br Med J [Clin Res]** 1986 Jun 21;292(6536):1633–5

Sociodemographic correlates of dental anxiety. Schuurs AH, et al. **Community Dent Oral Epidemiol** 1985 Aug; 13(4):212–5
Public health and the civilizing process. Goudsblom J. **Milbank Q** 1986;64(2):161–88
The African social periphery. Mburu FM. **Soc Sci Med** 1986; 22(7):785–90
Social ethics, the philosophy of medicine, and professional responsibility. Ozar DT. **Theor Med** 1985 Oct;6(3):281–94
[Morbidity and changes in socioeconomic conditions in Finland] Valkonen T. **Duodecim** 1985;101(23):2257–65 **(Fin)**
[Philosophical and social principles of medical theoretical thinking in the 2d half of the 19th century] Thom A. **Zentralbl Allg Pathol** 1985;130(4):285–9 (Eng. Abstr.) **(Ger)**
[Violence of the sacred savage] Percipalle C, et al. **Minerva Psichiatr** 1986 Jan–Mar;27(1):27–32 (Eng. Abstr.) **(Ita)**
[The violence of power] Prini P. **Minerva Psichiatr** 1985 Apr–Jun;26(2):113–6 **(Ita)**
[The individual in a violent society] Saccà A. **Minerva Psichiatr** 1985 Apr–Jun;26(2):147–8 **(Ita)**
[Social aspects of the dispensary care of retired persons] Karpov LN, et al. **Sov Zdravookhr** 1985;(8):12–6 **(Rus)**

HISTORY

Chronological distribution of enamel hypoplasias and weaning in a Caribbean slave population. Corruccini RS, et al. **Hum Biol** 1985 Dec;57(4):699–711
Social mores influence lessons of science [news] Ziporyn T. **JAMA** 1985 Nov 15;254(19):2720
[F. Engels on the effect of hygienic conditions on the health status of English workers and contemporary conditions in capitalist countries (on the 140th anniversary of the publication of F. Engels' work "The condition of the working class in England"] Notkin EL. **Gig Tr Prof Zabol** 1985 Oct;(10):39–42 **(Rus)**

SOCIAL CONFORMITY

see related
SOCIAL CONTROL, INFORMAL

The meaning of cults in treatment of late adolescent issues. Schwartz KM. **Adolesc Psychiatry** 1986;13:188–200
Adolescent attitudes toward designer jeans: further evidence. Lennon SJ. **Adolescence** 1986 Summer;21(82):475–82
Hostilité, conformité, fraternité: the group dynamics of terrorist behavior. Post JM. **Int J Group Psychother** 1986 Apr;36(2):211–24
On the nature of self–monitoring: matters of assessment, matters of validity. Snyder M, et al. **J Pers Soc Psychol** 1986 Jul;51(1):125–39
Differential conformity rates to perceptual and logical tasks. Liberman D, et al. **J Soc Psychol** 1986 Apr;126(2):273–5
Effects of an observer on conformity to handwashing norm. Pedersen DM, et al. **Percept Mot Skills** 1986 Feb; 62(1):169–70
[Diogenes syndrome] Klosterkötter J, et al. **Fortschr Neurol Psychiatr** 1985 Nov;53(11):427–34 (Eng. Abstr.) **(Ger)**
["Rajneeshism" or "psychology of the Buddhas" as psychotherapeutic alternatives for academic dropouts?] Klosinski G. **Psychother Psychosom Med Psychol** 1986 Jun; 36(6):205–11 (Eng. Abstr.) **(Ger)**
[Myth and delusion in the Melanesian cargo cult] Maier C. **Z Psychosom Med Psychoanal** 1986;32(1):89–93 (Eng. Abstr.) **(Ger)**

SOCIAL CONTROL, FORMAL

Sex differences in the distribution of traffic law enforcement. Kirkham RW, et al. **Accid Anal Prev** 1985 Jun;17(3):211–5
The relationships among driving while impaired charges, police drinking–driving roadcheck activity, media coverage and alcohol–related casualty traffic accidents. Mercer GW. **Accid Anal Prev** 1985 Dec;17(6):467–74
Occupational stress, social support, and burnout among correctional officers. Dignam JT, et al. **Am J Community Psychol** 1986 Apr;14(2):177–93
Police shootings. The Metropolitan Dade County experience from 1956 to 1982. Copeland AR. **Am J Forensic Med Pathol** 1986 Mar;7(1):39–45
Mortality in police and firefighters in New Jersey. Feuer E, et al. **Am J Ind Med** 1986;9(6):517–27
Reporting child abuse. Switzer JV. **Am J Nurs** 1986 Jun; 86(6):663–4, 668
A reanalysis of arrest rates [letter] **Am J Psychiatry** 1986 May;143(5):675–7
Crime and the mentally ill [letter] Sosowsky L. **Am J Psychiatry** 1986 Feb;143(2):276–7
A survey of the Regional Secure Unit programme. Snowden P. **Br J Psychiatry** 1985 Nov;147:499–507
Delinquent behaviour and attitudes to formal authority. Reicher S, et al. **Br J Soc Psychol** 1985 Sep;24 (Pt 3):161–8
A review of cases of sexually exploited children reported to the Netherlands State Police. Wolters WH, et al. **Child Abuse Negl** 1985;9(4):571–4
Urinary catecholamines and stress in male and female police cadets. Pollack AC, et al. **Hum Biol** 1986 Apr;58(2):209–20
Social visions and social control: the evolution of medical thought in postwar Hungary. Kullberg P. **Int J Health Serv** 1986;16(3):391–408
Lifetime police contacts of discharged Psychiatric Security Review Board clients. Bloom JD, et al. **Int J Law Psychiatry** 1986;8(2):189–202
Psychiatric evaluations of police referrals in a general hospital emergency room. Steadman HJ, et al. **Int J Law Psychiatry** 1986;8(1):39–47
The representation of authority: an adolescent viewpoint. Murray C, et al. **J Adolesc** 1985 Sep;8(3):217–29
Up against the wall: police productivity in the 1980s. Kemp RL, et al. **J Forensic Sci Soc** 1986 Mar–Apr;26(2):115–9
The effect of police and mental health intervention on juvenile deviance: specifying contingencies in the impact of formal reaction. Palamara F, et al. **J Health Soc Behav** 1986 Mar;27(1):90–105
AIDS: impact on public service personnel. Hennessey M. **J La State Med Soc** 1985 Sep;137(9):43–6
Policemen and nursing students. Crisis intervention team. Sullivan–Taylor L. **J Psychosoc Nurs Ment Health Serv** 1985 Sep;23(9):26–30
Banning happy hours: the impact on drinking and impaired–driving charges in Ontario, Canada. Smart RG, et al. **J Stud Alcohol** 1986 May;47(3):256–8
Age differences of arrested and crash–involved drinking drivers. Voas RB, et al. **J Stud Alcohol** 1986 May; 47(3):244–8
Making boxing safer. The Swedish model. Ludwig R. **JAMA** 1986 May 9;255(18):2482
Methadone—social control or health care? [letter] Drew LR. **Med J Aust** 1986 Jul 7;145(1):57–8
A policeman's view of data protection. Keepence GC. **Med Sci Law** 1985 Oct;25(4):250–2
The police and higher education: a review of federal reports. Swan RD. **Med Sci Law** 1986 Jul;26(3):215–7
The law as a behavioral instrument. **Nebr Symp Motiv** 1985; 33:1–291
The efficacy of law as a paternalistic instrument. Bonnie RJ. **Nebr Symp Motiv** 1985;33:131–211 (171 ref.)
Handguns: risks versus benefits. Christoffel KK, et al. **Pediatrics** 1986 May;77(5):781–2
Attitudes of police toward violence. Brodsky SL, et al. **Psychol Rep** 1985 Dec;57(3 Pt 2):1179–80
Career orientations and type A behavior in police officers. Burke RJ. **Psychol Rep** 1985 Dec;57(3 Pt 2):1239–46
[Incest and the "strong arm"] Visser AS. **Ned Tijdschr Geneeskd** 1986 Jan 4;130(1):9–11 **(Dut)**
[Drug addiction in the Canton of Vaud: a look at data from the canton police] Haller E, et al. **Soz Praventivmed** 1985; 30(6):333–5 **(Fre)**

METHODS

Police performance in resolving family disputes: what makes the difference? Bandy C, et al. **Psychol Rep** 1986 Jun; 58(3):743–56
[From the work experience of a legal expert in a sanitary–epidemiologic station] Chistaia NF, et al. **Gig Sanit** 1985 Nov;(11):35–6 **(Rus)**

SOCIAL CONTROL, INFORMAL

Adolescents' perception of aspects of the home environment and their attitudes toward parents, self, and external authority. Amoroso DM, et al. **Adolescence** 1986 Spring; 21(81):191–204
The construct of control: biological and psychosocial correlates. Rodin J, et al. **Ann Rev Gerontol Geriatr** 1985; 5:3–55 (198 ref.)
Social influences and constraints on the initiation and cessation of adolescent tobacco use. Skinner WF, et al. **J Behav Med** 1985 Dec;8(4):353–76
Social control and expressed emotion. Greenley JR. **J Nerv Ment Dis** 1986 Jan;174(1):24–30
The press embargo: friend or foe? [editorial] Stacey J. **JAMA** 1985 Oct 11;254(14):1965

SOCIAL DESIRABILITY

Assertive, empathic assertive, and conversational behavior. Perception of likability, effectiveness, and sex role. Wildman BG, et al. **Behav Modif** 1986 Jul;10(3):315–31
The influence of social desirability on the Ai3 measure of anal character. Hill AB. **Br J Med Psychol** 1986 Mar;59 (Pt 1):105–7
Measuring the social position of the mainstreamed handicapped child. Ray BM. **Except Child** 1985 Sep; 52(1):57–62
Young children's attention to dyadic conversation as modified by sociometric status. Austin AM. **Genet Soc Gen Psychol Monogr** 1985 May;111(2):151, 153–65
The Hopelessness Scale and social desirability: more data and a contribution from the irrational beliefs test. Ellis TE. **J Clin Psychol** 1985 Sep;41(5):634–9
Reliabilities and concurrent validities of popular self–report measures of depression, anxiety, and social desirability. Tanaka–Matsumi J, et al. **J Consult Clin Psychol** 1986 Jun; 54(3):328–33
Well–being scales do not measure social desirability. McCrae RR. **J Gerontol** 1986 May;41(3):390–2
Childrens' and adults' reactions to photographs taken before and after facial surgery. Elliott M, et al. **J Maxillofac Surg** 1986 Feb;14(1):18–21
On the nature of self–monitoring: matters of assessment, matters of validity. Snyder M, et al. **J Pers Soc Psychol** 1986 Jul;51(1):125–39
My medical care is better than yours. Social desirability and patient satisfaction ratings. Hays RD, et al. **Med Care** 1986 Jun;24(6):519–24

SOCIAL DISCRIMINATION see **PREJUDICE**

SOCIAL DISORGANIZATION see **ANOMIE**

SOCIAL DISTANCE

Preoccupation as a mode of pathologic distance regulation. Lansky MR. **Int J Psychoanal Psychother** 1985–86; 11:409–33
The color line and social distance in the genesis of essential hypertension. Thomas JA, et al. **J Natl Med Assoc** 1986 Jun;78(6):532–6
Social distance and behavioral attributes of developmentally handicapped and normal children. Sherman LW, et al. **Percept Mot Skills** 1985 Dec;61(3 Pt 2):1223–33

SOCIAL DOMINANCE

Predatory dominance and aggressive display under imipramine treatment in cats. Zagrodzka J, et al. **Acta Neurobiol Exp (Warsz)** 1985;45(5–6):137–49
Treating sexually abused children: issues of blame and responsibility. Lamb S. **Am J Orthopsychiatry** 1986 Apr; 56(2):303–7
The professional woman's dilemma: love and/or power. Kestenbaum CJ. **Am J Psychoanal** 1986 Spring;46(1):15–21
Analgesia following defeat in an aggressive encounter: development of tolerance and changes in opioid receptors. Miczek KA, et al. **Ann NY Acad Sci** 1986;467:14–29 (32 ref.)
Postaggression footshock inhibits aggressive behavior in dominant but not in isolated mice. Frischknecht HR, et al. **Behav Neural Biol** 1985 Jul;44(1):132–8
Stomach acid secretion in submissive and aggressive rats. Paré WP, et al. **Behav Neurosci** 1986 Jun;100(3):381–9
Dominant social status facilitates the behavioral effects of serotonergic agonists. Raleigh MJ, et al. **Brain Res** 1985 Dec 2;348(2):274–82
Stress–induced elevation of testosterone concentration in high ranking baboons: role of catecholamines. Sapolsky RM. **Endocrinology** 1986 Apr;118(4):1630–5
Doctors and dominance. Cohen J. **Fam Pract** 1985 Dec; 2(4):195–8
Married women's dissatisfaction with tubal sterilization and vasectomy at first–year follow–up: effects of perceived spousal dominance. Shain RN, et al. **Fertil Steril** 1986 Jun; 45(6):808–19
Resting cortisol levels and the emergence of dominant status among male vervet monkeys. McGuire MT, et al. **Horm Behav** 1986 Mar;20(1):106–17
Measuring social behavior: social dominance. Craig JV. **J Anim Sci** 1986 Apr;62(4):1120–9 (43 ref.)
Social dominance, reproduction, and release of the maturation–delaying chemosignal in the urine of female house mice (Mus musculus). Drickamer LC. **J Comp Psychol** 1985 Dec;99(4):411–9
Influence tactics in psychotherapy. Cooke M, et al. **J Consult Clin Psychol** 1986 Feb;54(1):22–6
Plasma testosterone–binding globulin–binding capacity in the male lesser mouse lemur (Microcebus murinus): relationship to seasonal and social factors. Perret M. **J Endocrinol** 1986 Jul;110(1):169–75
Effects of dominance on group decision making: toward a stress–reduction explanation of groupthink. Callaway MR, et al. **J Pers Soc Psychol** 1985 Oct;49(4):949–52
Consistency of assertive, aggressive, and submissive behavior for children. Deluty RH. **J Pers Soc Psychol** 1985 Oct; 49(4):1054–65
Phenylacetic acid production in dominant and non–dominant vervet monkeys. Elsworth JD, et al. **Life Sci** 1985 Nov 4;37(18):1727–30
Modulation by social status of the relationship between cerebrospinal fluid and serum cortisol levels in male talapoin monkeys. Herbert J, et al. **Neuroendocrinology** 1986;42(5):436–42
Relationship between dominance hierarchy, cerebrospinal fluid levels of amine transmitter metabolites (5–hydroxyindole acetic acid and homovanillic acid) and plasma cortisol in monkeys. Yodyingyuad U, et al. **Neuroscience** 1985 Dec;16(4):851–8
Responses to salivary olfactants in relation to dominance of the degu (Octodon degus). Friedle RE, et al. **Percept Mot Skills** 1986 Feb;62(1):192–4
On the development of certain species of very large body size by linear–dominance mating hierarchy. Hersher L. **Perspect Biol Med** 1985 Autumn;29(1):88–91
Psychosocial influences on ovarian endocrine and ovulatory function in Macaca fascicularis. Adams MR, et al. **Physiol Behav** 1985 Dec;35(6):935–40
Testosterone removal in rats results in a decrease in social aggression and a loss of social dominance. Albert DJ, et al. **Physiol Behav** 1986;36(3):401–7
Subordination in male talapoin monkeys lowers sexual behaviour in the absence of dominants. Eberhart JA, et al. **Physiol Behav** 1985 Nov;35(5):673–7

Lead, age and aggression in male mice. Engellenner WJ, et al. **Physiol Behav** 1986;36(5):823–8
The failure to demonstrate avoidance of ventral gland odors in male gerbils (Meriones unguiculatus). Fullenkamp A, et al. **Physiol Behav** 1985 Nov;35(5):763–5
Effects of gender, gonadectomy and social status on attack directed towards female intruders by resident mice. Haug M, et al. **Physiol Behav** 1986;37(4):533–7
Behavioural, physiological and immunological consequences of social status and aggression in chronically coexisting resident–intruder dyads of male rats. Raab A, et al. **Physiol Behav** 1986;36(2):223–8
Acute non–opioid analgesia in defeated male mice. Rodgers RJ, et al. **Physiol Behav** 1986;36(5):947–50
Resident's scent: a critical factor in acute analgesic reaction to defeat experience in male mice. Rodgers RJ, et al. **Physiol Behav** 1986;37(2):317–22
Female discrimination of male dominance by urine odor cues in hamsters. White PJ, et al. **Physiol Behav** 1986;37(2):273–7
Litter deficits of socially stressed and low status hamster dams. Wise DA, et al. **Physiol Behav** 1985 Nov;35(5):775–7
Work and defensive processes in small groups: effects of leader gender and authority position. Tischler NG, et al. **Psychiatry** 1986 Aug;49(3):241–52
The primary health center as a social system: PHC, social status, and the issue of team–work in South Asia. Nichter MA. **Soc Sci Med** 1986;23(4):347–55
[Motor activity of dominant and subdominant quail (Coturnix coturnix L.)] Mletzko I. **Z Versuchstierkd** 1986; 28(1–2):19–26 (Eng. Abstr.) **(Ger)**
[The violence of power] Prini P. **Minerva Psichiatr** 1985 Apr–Jun;26(2):113–6 **(Ita)**
[Antipsychotherapy and antipedagogics—examples of totalitarian sociotechnics] Godorowski K. **Przegl Lek** 1986; 43(1):17–20 **(Pol)**
[Hormonal activity of the hypophysis–gonadal system in male hamadryas baboons in relationship to their hierarchical position] Taranov AG, et al. **Biull Eksp Biol Med** 1986 Mar;101(3):356–8 (Eng. Abstr.) **(Rus)**
[Effect of prolonged interaction of mice with aggressive and submissive types of behavior on the concentration of serotonin, 5–hydroxyindoleacetic acid and noradrenalin in the brain] Kudriavtseva NN, et al. **Zh Vyssh Nerv Deiat** 1985 Sep–Oct;35(5):879–83 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

beta–Endorphin levels in the cerebrospinal fluid of male talapoin monkeys in social groups related to dominance status and the luteinizing hormone response to naloxone. Martensz ND, et al. **Neuroscience** 1986 Jul;18(3):651–8

PHYSIOLOGY

Continuous social defeat induces an increase of endogenous opioids in discrete brain areas of the mongolian gerbil. Raab A, et al. **Peptides** 1985 May–Jun;6(3):387–91

SOCIAL ENVIRONMENT

The death of a newborn twin: how can support for parents be improved? Bryan EM. **Acta Genet Med Gemellol (Roma)** 1986;35(1–2):115–8
Interaction of genetic and psychosocial factors in schizophrenia. Tienari P, et al. **Acta Psychiatr Scand [Suppl]** 1985;319:19–30
The etiology of bulimia: biopsychosocial perspectives. Johnson C, et al. **Adolesc Psychiatry** 1986;13:253–73
The adolescent, the family, and the culture of narcissism: a psychosocial commentary. Rinsley DB. **Adolesc Psychiatry** 1986;13:7–28
Borderline and psychotic adolescents' relationship to their parents: a therapeutic point of view. Aarkrog T. **Adolescence** 1985 Fall;20(79):682–7
Adolescents' perception of aspects of the home environment and their attitudes toward parents, self, and external authority. Amoroso DM, et al. **Adolescence** 1986 Spring; 21(81):191–204
A psychometric evaluation of a residential treatment facility: an illustration of an interpretable research design without a control group. Côté JE, et al. **Adolescence** 1986 Spring; 21(81):67–79
Substance use by adolescent psychiatric inpatients and their patients. Klinge V, et al. **Adolescence** 1986 Summer; 21(82):323–31
Educational desert or oasis? An educator's trek to Outer Mongolia. Rundall RA, et al. **Adolescence** 1986 Spring; 21(81):185–9
Perception of pregnancy and social support as predictors of alcohol consumption during pregnancy. Stephens CJ. **Alcoholism (NY)** 1985 Jul–Aug;9(4):344–8
Defining environmental risk: multiple dimensions of psychological vulnerability. Barocas R, et al. **Am J Community Psychol** 1985 Aug;13(4):433–47
Social support as a buffer of anxiety: an experimental analogue. Bowers CA, et al. **Am J Community Psychol** 1986 Aug;14(4):447–51
Assessment of stress–buffering effects of social networks on psychological symptoms in an inner–city elderly population. Cohen CI, et al. **Am J Community Psychol** 1986 Feb;14(1):75–91
A prospective study of life events, social support, and psychological symptomatology during the transition from high school to college. Compas BE, et al. **Am J Community Psychol** 1986 Jun;14(3):241–57
Occupational stress, social support, and burnout among correctional officers. Dignam JT, et al. **Am J Community Psychol** 1986 Apr;14(2):177–93
Adaptation and vulnerability in high–risk adolescents: an examination of environmental mediators. Felner RD, et al. **Am J Community Psychol** 1985 Aug;13(4):365–79
Social support as a multifaceted concept: examination of important dimensions for adjustment. Fiore J, et al. **Am J Community Psychol** 1986 Feb;14(1):93–111
Participatory–democratic work and adolescents' mental health. Hamilton SF, et al. **Am J Community Psychol** 1985 Aug;13(4):467–86
Dimensions of the Group Environment Scale. Hartsough CS, et al. **Am J Community Psychol** 1986 Aug;14(4):371–6
Social networks and adult social identities: profiles and correlates of support and rejection. Hirsch BJ, et al. **Am J Community Psychol** 1986 Aug;14(4):395–412
Adolescent coping and support across multiple social environments. Hirsch BJ. **Am J Community Psychol** 1985 Aug;13(4):381–92
The Perceived Support Network Inventory. Oritt EJ, et al. **Am J Community Psychol** 1985 Oct;13(5):565–82
The impact of rape: social support as a moderator of stress. Popiel DA, et al. **Am J Community Psychol** 1985 Dec; 13(6):645–76
Children's environments and mental health: opportunity and responsibility. Sandler I. **Am J Community Psychol** 1985 Aug;13(4):335–7
A comparison of natural and professional help. Toro PA. **Am J Community Psychol** 1986 Apr;14(2):147–59
Social environmental predictors of children's adjustment in elementary school classrooms. Toro PA, et al. **Am J Community Psychol** 1985 Aug;13(4):353–64
Natural experiments and the educational context: the environment and effects of an alternative inner–city public school on adolescents. Trickett EJ, et al. **Am J Community Psychol** 1985 Dec;13(6):617–43
The effects of peer–teaching on student perceptions of class environment, adjustment, and academic performance. Wright S, et al. **Am J Community Psychol** 1985 Aug; 13(4):417–31
Social networks, support, and health: taking the next step forward. Berkman LF. **Am J Epidemiol** 1986 Apr; 123(4):559–62 (15 ref.)
Mediating influences of social support: personal, family, and child outcomes. Dunst CJ, et al. **Am J Ment Defic** 1986 Jan;90(4):403–17
Adaptation of the Questionnaire on Resources and Stress–Short Form. Salisbury CL. **Am J Ment Defic** 1986 Jan;90(4):456–9
Informal supports for aging mentally retarded persons. Seltzer MM. **Am J Ment Defic** 1985 Nov;90(3):259–65 (50 ref.)
Spotlight on support for impaired nurses. Penny JT. **Am J Nurs** 1986 Jun;86(6):688–91
Environmental ratings and children's social behavior: implications for the assessment of day care quality. Bjorkman S, et al. **Am J Orthopsychiatry** 1986 Apr; 56(2):271–7
Assessing the role of social network interventions with an inner–city population. Cohen CI, et al. **Am J Orthopsychiatry** 1986 Apr;56(2):278–88
Building social support systems through a babysitting exchange program. Douglas JA, et al. **Am J Orthopsychiatry** 1986 Jan;56(1):103–8
Effects of childhood relationships on the adult's capacity to form social supports. Flaherty JA, et al. **Am J Psychiatry** 1986 Jul;143(7):851–5
Models for the joint effect of genotype and environment on liability to psychiatric illness. Kendler KS, et al. **Am J Psychiatry** 1986 Mar;143(3):279–89
Personal and social resources in children of patients with bipolar affective disorder and children of normal control subjects. Pellegrini D, et al. **Am J Psychiatry** 1986 Jul; 143(7):856–61
"Witch hunting": a form of reductioneistic thinking.Fischer N. **Am J Psychoanal** 1986 Spring;46(1):45–54
Vocal and gestural responses of cross–fostered chimpanzees. Drumm P, et al. **Am J Psychol** 1986 Spring;99(1):1–29
Group participation and survival among patients with end–stage renal disease. Friend R, et al. **Am J Public Health** 1986 Jun;76(6):670–2
Immunologic reactions of pigs regrouped at or near weaning. Blecha F, et al. **Am J Vet Res** 1985 Sep;46(9):1934–7
Psychosocial aspects of acquired immune deficiency syndrome and the primary care physician. Wolcott DL. **Ann Allergy** 1986 Aug;57(2):95–102
Social consequences of the acquired immunodeficiency syndrome. Cassens BJ. **Ann Intern Med** 1985 Nov; 103(5):768–71
Human autonomy and the frontal lobes. Part II: Patient behavior in complex and social situations: the "environmental dependency syndrome".Lhermitte F. **Ann Neurol** 1986 Apr;19(4):335–43
Total exposure and workers' health. Zielhuis RL. **Ann Occup Hyg** 1985;29(4):463–75
Intervention strategies to assist caregivers of frail elders: current research status and future research directions. Gallagher DE. **Ann Rev Gerontol Geriatr** 1985;5:249–82 (118 ref.)
The elderly who live alone and their social supports. Rubinstein RL. **Ann Rev Gerontol Geriatr** 1985;5:165–93 (114 ref.)
A survivor group for battered women. Campbell J. **ANS** 1986 Jan;8(2):13–20
Families of adolescent clients and nonclients: their environments and help–seeking behaviors. Dixon MA. **ANS** 1986 Jan;8(2):75–88
Social support, life events, and depression during pregnancy and the puerperium. O'Hara MW. **Arch Gen Psychiatry** 1986 Jun;43(6):569–73
Social support and life events in working class women. Stress buffering or independent effects? Parry G, et al. **Arch Gen Psychiatry** 1986 Apr;43(4):315–23
Psycho–social rehabilitation [letter] Shatin L. **Arch Phys Med Rehabil** 1986 Jan;67(1):64
Socialization, family conflicts and responses to culture change among Canadian Inuit. Briggs JL. **Arctic Med Res** 1985;40:40–52
Heredity, environment, and the Thurstone Temperament Schedule. Loehlin JC. **Behav Genet** 1986 Jan;16(1):61–73
Multivariate path analysis of specific cognitive abilities in the Colorado Adoption Project. Rice T, et al. **Behav Genet** 1986 Jan;16(1):107–25
Parametric reinforcement effects in a programmed activities environment for the severely retarded. Kaprowy EA, et al. **Behav Modif** 1986 Jan;10(1):19–36
Group rearing abolishes hyperdefensiveness induced in weanling rats by lateral septal or medial accumbens lesions but not by medial hypothalamic lesions. Albert DJ, et al. **Behav Neural Biol** 1985 Jul;44(1):101–9
Neonatal treatment with monosodium glutamate does not alter grooming behavior induced by novelty or adrenocorticotropic hormone. Dunn AJ, et al. **Behav Neural Biol** 1985 Jul;44(1):80–9
Psychological dimension of 'office hypertension'. Gerardi RJ, et al. **Behav Res Ther** 1985;23(5):609–12
Crying in natural settings: global estimates, self–monitored frequencies, depression and sex differences in an undergraduate population. Kraemer DL, et al. **Behav Res Ther** 1986;24(3):371–3
Influence of environmental context on tolerance to LSD–induced behavior in primates. Schlemmer RF Jr, et al. **Biol Psychiatry** 1986 Mar;21(3):314–7
Making a case for studying the ecologic niche of the newborn. Barnard KE, et al. **Birth Defects** 1985;21(3):71–88
Dealing with embarrassing events: socially anxious and non–socially anxious groups compared. Edelmann RJ. **Br J Clin Psychol** 1985 Nov;24 (Pt 4):281–8
Adaptation skills in the elderly, their supporters and carers. Garland J. **Br J Med Psychol** 1985 Sep;58 (Pt 3):267–74
Social support and long–term lithium outcome. O'Connell RA, et al. **Br J Psychiatry** 1985 Sep;147:272–5
Predicting our own aggression: person, subculture or situation? Campbell A, et al. **Br J Soc Psychol** 1985 Sep; 24 (Pt 3):169–80
ABC of spinal cord injury. Social needs of the patient and his family. Bamford E, et al. **Br Med J [Clin Res]** 1986 Feb 22;292(6519):546–8
Preventing psychological disorders in children of divorce: guidelines for the general practitioner. Caplan G. **Br Med J [Clin Res]** 1986 Jun 14;292(6535):1563–6
A child in trust [letter] Cohen J. **Br Med J [Clin Res]** 1986 Jan 25;292(6515):271–2
Young drug addicts and the drug scene. Lucchini R. **Bull Narc** 1985 Apr–Sep;37(2–3):135–48
The place of attachment in the life events model of stress and illness. West M, et al. **Can J Psychiatry** 1986 Apr; 31(3):202–7
Psychosocial benefits of a cancer support group. Cain EN, et al. **Cancer** 1986 Jan 1;57(1):183–9
Resources available to the family of the child with cancer. Monaco GP. **Cancer** 1986 Jul 15;58(2 Suppl):516–21
Cancer Opinionnaire. Medical students' attitudes toward psychosocial cancer care. Schmelkin LP, et al. **Cancer** 1986 Aug 1;58(3):801–6
EEG patterns of preterm infants, home environment, and later IQ. Beckwith L, et al. **Child Dev** 1986 Jun;57(3):777–89
Parent aides provide support to high risk families. Buckley S. **Child Today** 1985 Sep–Oct;14(5):16–9
Housing and child maltreatment: is there a connection? Zuravin S. **Child Today** 1985 Nov–Dec;14(6):8–13
Formal and informal helping in child welfare services: implications for management and practice. Whittaker JK. **Child Welfare** 1986 Jan–Feb;65(1):17–25
Gaining community support for group homes. Hogan R. **Community Ment Health J** 1986 Summer;22(2):117–26
Predictors of self–sufficiency for the mentally ill in long–term care. Kruzich JM, et al. **Community Ment Health J** 1985 Fall;21(3):198–207
Demoralization and social support in Soviet–Jewish immigrants to the United States. Flaherty JA, et al. **Compr Psychiatry** 1986 Mar–Apr;27(2):149–58
The effects of rearing environment on pup development. Jans JE, et al. **Dev Psychobiol** 1985 Jul;18(4):341–7
Supportive and nonsupportive family behaviors: relationships to adherence and metabolic control in persons with type I diabetes. Schafer LC, et al. **Diabetes Care** 1986 Mar–Apr; 9(2):179–85
Social, toxicological and meteorological data on suicide attempts. Breuer HW, et al.

Eur Arch Psychiatry Neurol Sci 1986;235(6):367–70
Predictors of alcoholism in the Lundby Study. III. Social risk factors for alcoholism. Hagnell O, et al. Eur Arch Psychiatry Neurol Sci 1986;235(4):197–9
Social support and occupational stress in special education. Fimian MJ. Except Child 1986 Feb;52(5):436–42
Enlisting family support in drug treatment. Wermuth L, et al. Fam Process 1986 Mar;25(1):25–33
The role of recent life events and social support in the control of diabetes mellitus. A pilot study. Schwartz LS, et al. Gen Hosp Psychiatry 1986 May;8(3):212–6
The support needs and resources of Puerto Rican elders. Cruz-Lopez M, et al. Gerontologist 1985 Oct;25(5):483–7
Subjective housing assessments by the elderly: a critical information source for planning and program evaluation. Golant SM. Gerontologist 1986 Apr;26(2):122–7
Informal and formal health and social support systems of black and white elderly: a comparative cost approach. Mindel CH, et al. Gerontologist 1986 Jun;26(3):279–85
Family supports in later life: does ethnicity make a difference? Rosenthal CJ. Gerontologist 1986 Feb;26(1):19–24
Sharing and subdividing private market housing. Schreter CA, et al. Gerontologist 1986 Apr;26(2):181–6
Use of informal and formal support networks by rural elderly poor. Scott JP, et al. Gerontologist 1985 Dec;25(6):624–30
Informal support among the elderly in public senior housing. Sheehan NW. Gerontologist 1986 Apr;26(2):171–5
Accommodative housing: social integration of residents with physical limitations. Stephens MA, et al. Gerontologist 1986 Apr;26(2):176–80
The extended family as a source of support to elderly blacks. Taylor RJ. Gerontologist 1985 Oct;25(5):488–95
The ABCs of adolescent smoking prevention: an environment and skills model. Elder JP, et al. Health Educ Q 1986 Summer;13(2):181–91
Are schizophrenics a burden to their families? Significant others' views. Crotty P, et al. Health Soc Work 1986 Summer;11(3):173–88
The influence of social cues on the reproductive endocrinology of male brown-headed cowbirds: field and laboratory studies. Dufty AM Jr, et al. Horm Behav 1986 Jun;20(2):222–34
Where can therapeutic community ideals be realized? An examination of three treatment environments. Bell MD, et al. Hosp Community Psychiatry 1985 Dec;36(12):1286–91
Organizational analysis of three community support program models. Reinke B, et al. Hosp Community Psychiatry 1986 Jun;37(6):624–9
Assessing the family environment of schizophrenic patients with multiple hospital admissions. Schnur DB, et al. Hosp Community Psychiatry 1986 Mar;37(3):249–52
Long-term outcome of network therapy. Schoenfeld P, et al. Hosp Community Psychiatry 1986 Apr;37(4):373–6
Assessing support and stress in the social networks of chronic patients. Sokolove RL, et al. Hosp Community Psychiatry 1986 Apr;37(4):370–2
Methodological and conceptual issues in research on social support. Starker J. Hosp Community Psychiatry 1986 May; 37(5):485–90
A survey of the California Alliance for the Mentally Ill. Williams P, et al. Hosp Community Psychiatry 1986 Mar; 37(3):253–6
Environmental setting and early drug involvement among inner-city junior high school youths. Dembo R, et al. Int J Addict 1985 Aug;20(8):1239–55
A causal analysis of early drug involvement in three inner-city neighborhood settings. Dembo R, et al. Int J Addict 1985 Aug;20(8):1213–37
The ecology of drug use: considerations for intervention planning. Einstein S. Int J Addict 1985 Sep;20(9):1443–9
Narcotic drug abuse in 152 countries: social and economic conditions as predictors. Smart RG, et al. Int J Addict 1985 May;20(5):737–49
Ecology of adolescents' marijuana abuse. Smith TE, et al. Int J Addict 1985 Sep;20(9):1421–8
Methadone applicant dropouts: impact of requiring involvement of friends or family in treatment. Sorensen JL, et al. Int J Addict 1985 Aug;20(8):1273–80
Social support and well-being: preliminary indicators based on two samples of the elderly. Levitt MJ, et al. Int J Aging Hum Dev 1985–86;21(1):61–77
A three-year follow-up of hypnosis and restricted environmental stimulation therapy for smoking. Barabasz AF, et al. Int J Clin Exp Hypn 1986 Jul;34(3):169–81
Support groups for mental health staff and trainees. Kanas N. Int J Group Psychother 1986 Apr;36(2):279–96
Importance of "significant others" in predicting cooperation with diabetic regimen. Shenkel RJ, et al. Int J Psychiatry Med 1985–86;15(2):149–55
Social support and psychopathology: interrelations with preexisting disorder, stress, and personality. Monroe SM, et al. J Abnorm Psychol 1986 Feb;95(1):29–39
Ovulatory disturbances. Causative factors among Japanese student nurses in a dormitory. Nagata I, et al. J Adolesc Health Care 1986 Jan;7(1):1–5
Stressors, coping, and social supports of adolescent mothers. Panzarine S. J Adolesc Health Care 1986 May;7(3):153–61
Interpersonal support amongst nurses at work. Firth H, et al. J Adv Nurs 1986 May;11(3):273–82
Planning and evaluating innovations in nursing practice by measuring the ward atmosphere. Milne D. J Adv Nurs 1986 Mar;11(2):203–10
Professional and lay social support for hysterectomy patients. Webb C. J Adv Nurs 1986 Mar;11(2):167–77
A demographic and social profile of age- and sex-matched vegetarians and nonvegetarians. Freeland-Graves JH, et al. J Am Diet Assoc 1986 Jul;86(7):907–13
Families of Alzheimer's victims. Family support to the caregivers. Scott JP, et al. J Am Geriatr Soc 1986 May; 34(5):348–54
Nonpuberal estrus and mature cow influences on growth and puberty in heifers. Nelsen TC, et al. J Anim Sci 1985 Aug; 61(2):470–3
Mating behavior, boar-to-boar behavior during rearing and soundness of boars penned individually or in groups from 6 to 27 weeks of age. Tonn SR, et al. J Anim Sci 1985 Aug;61(2):287–96
Role of social support in the experience of stress at work. Ganster DC, et al. J Appl Psychol 1986 Feb;71(1):102–10
Interactions between job stressors and social support: some counterintuitive results. Kaufmann GM, et al. J Appl Psychol 1986 Aug;71(3):522–6
Departmental structure, locus of control, and job stress: the effect of a moderator. Marino KE, et al. J Appl Psychol 1985 Nov;70(4):782–4
Chronic pain: a multiple-setting comparison of patient characteristics. Holzman AD, et al. J Behav Med 1985 Dec; 8(4):411–22
Coping and adjustment to genital herpes: the effects of time and social support. Manne S, et al. J Behav Med 1986 Apr; 9(2):163–77
Environmental and other factors influencing fertility in Sri Lanka. Fernando DF. J Biosoc Sci 1986 Apr;18(2):209–14
The subjective experience of chronic disease: some implications for the management of ulcerative colitis. Kelly MP. J Chronic Dis 1986;39(8):653–66
Patterns of juvenile criminal activity as a function of demographic, family, and individual variables. Marsh DT, et al. J Clin Psychol 1986 Jul;42(4):658–63
Adolescent pregnancy: networking and the interdisciplinary approach. Canada MJ. J Community Health 1986 Spring; 11(1):58–62
The effects of a 30 day period of environmental diversity on well-fed and previously undernourished rats: neuronal and synaptic measures in the visual cortex (area 17). Bhide PG, et al. J Comp Neurol 1985 Jun 1;236(1):121–6
Social and hormonal factors influencing infanticide and its suppression in adult male Long-Evans rats (Rattus norvegicus). Brown RE. J Comp Psychol 1986 Jun; 100(2):155–61
Social dominance, reproduction, and release of the maturation-delaying chemosignal in the urine of female house mice (Mus musculus). Drickamer LC. J Comp Psychol 1985 Dec;99(4):411–9
Effect of postweaning social experience on response of Siberian hamsters (Phodopus sungorus sungorus) toward young. Gibber JR, et al. J Comp Psychol 1985 Dec; 99(4):491–3
Veridicality of social support: a comparison of principal and network members' responses. Antonucci TC, et al. J Consult Clin Psychol 1986 Aug;54(4):432–7
Going beyond social support: the role of social relationships in adaptation. Coyne JC, et al. J Consult Clin Psychol 1986 Aug;54(4):454–60
Component social support processes: comments and integration. Heller K, et al. J Consult Clin Psychol 1986 Aug;54(4):466–70
Social support and smoking cessation and maintenance. Mermelstein R, et al. J Consult Clin Psychol 1986 Aug; 54(4):447–53
Social support, life events, and depressive symptoms: a 1-year prospective study. Monroe SM, et al. J Consult Clin Psychol 1986 Aug;54(4):424–31
Social support as coping assistance. Thoits PA. J Consult Clin Psychol 1986 Aug;54(4):416–23
Situational influences on the predictive value of client behavior: implication for Bayesian prediction. Tsujimoto RN, et al. J Consult Clin Psychol 1986 Apr;54(2):264–6
A theoretical model for a socially oriented drug treatment policy. Faupel CE. J Drug Educ 1985;15(3):189–203
The impact of high school substance use on choice of young adult living environment and career direction. Newcomb MD, et al. J Drug Educ 1985;15(3):253–61
A single-item measure of social supports as a predictor of morbidity. Blake RL Jr, et al. J Fam Pract 1986 Jan; 22(1):82–4
Psychosocial risk assessment in clinical medicine [editorial] Smilkstein G. J Fam Pract 1986 Jun;22(6):495–6
Development of responsiveness to conspecific scent in house mice: effects of preweaning and postweaning experiences. Wuensch KL. J Gen Psychol 1986 Jan;113(1):65–73
Aged blacks' choices for an informal helper network. Chatters LM, et al. J Gerontol 1986 Jan;41(1):94–100
Conjugal social support: patterns in later life. Depner CE, et al. J Gerontol 1985 Nov;40(6):761–6
Social support, stress, and well-being among older adults. Krause N. J Gerontol 1986 Jul;41(4):512–9
Intergenerational perspectives on impaired elders' support networks. Townsend AL, et al. J Gerontol 1986 Jan; 41(1):101–9
The buffering effect of social support subsequent to an important life event. Lin N, et al. J Health Soc Behav 1985 Sep;26(3):247–63
Paid employment, life events, social support, and mental health in working-class mothers. Parry G. J Health Soc Behav 1986 Jun;27(2):193–208
Perceived support, received support, and adjustment to stressful life events. Wethington E, et al. J Health Soc Behav 1986 Mar;27(1):78–89
Population dynamics determine whether adrenocortical or adrenomedullary factors predominate in psychosocially stressed rats [letter] Henry JP, et al. J Hypertens 1985 Aug; 3(4):393–5
AIDS: community concerns, support services and resources. Chaney RW, et al. J La State Med Soc 1985 Sep; 137(9):62–3
AIDS home care. Pindaro CM. J La State Med Soc 1985 Sep;137(9):57–9
Job stress, psychological health, and social support of family practice residents. Mazie B. J Med Educ 1985 Dec; 60(12):935–41
Relationship between depression, social support, and physical illness among elderly blacks: research notes. Smith-Ruiz D. J Natl Med Assoc 1985 Dec;77(12):1017–9
The relationship between social support and psychiatric symptomatology in medical students. Foorman S, et al. J Nerv Ment Dis 1986 Apr;174(4):229–39
Psychosocial factors and depressive symptoms. O'Neil MK, et al. J Nerv Ment Dis 1986 Jan;174(1):15–23
Assessing the work environment. Nokes KN. J Nurs Adm 1986 Apr;16(4):8, 17
Psychosocial aspects of the work environment: a group approach. Wallin L, et al. J Occup Med 1986 May; 28(5):384–93
Home Screening Questionnaire: its validity in assessing home environment. Frankenburg WK, et al. J Pediatr 1986 Apr; 108(4):624–6
Family support: does it work? [editorial] Garfunkel JM. J Pediatr 1986 Jun;108(6):934–5
Family support system in newborn medicine: does it work? Follow-up study of infants at risk. Perrault C, et al. J Pediatr 1986 Jun;108(6):1025–30
Environmental context of child development. Sameroff AJ. J Pediatr 1986 Jul;109(1):192–200 (49 ref.)
Professional support and care of infants by adolescent mothers in England and the United States. Crockenberg S. J Pediatr Psychol 1985 Dec;10(4):413–28
Shyness–environment interaction: a view from the shy side through auto-photography. Ziller RC, et al. J Pers 1985 Dec;53(4):626–39
Age and gender differences in and personality correlates of loneliness in different relationships. Schmitt JP, et al. J Pers Assess 1985 Oct;49(5):485–96
A person–environment analysis of job stress: a contingency model explanation. Chemers MM, et al. J Pers Soc Psychol 1985 Sep;49(3):628–35
Social skills and the stress-protective role of social support. Cohen S, et al. J Pers Soc Psychol 1986 May;50(5):963–73
Objective determinants of perceived social support. Cutrona CE. J Pers Soc Psychol 1986 Feb;50(2):349–55
Behavioral manifestations of social support: a microanalytic investigation. Cutrona CE. J Pers Soc Psychol 1986 Jul; 51(1):201–8
Perception of cross-situational consistency. Epstein S, et al. J Pers Soc Psychol 1986 Jun;50(6):1152–60
Does aggregation produce spuriously high estimates of behavior stability? Epstein S. J Pers Soc Psychol 1986 Jun; 50(6):1199–210
Social network development and functioning during a life transition. Hays RB, et al. J Pers Soc Psychol 1986 Feb; 50(2):305–13
Satisfaction with social support during crisis: intimacy and self-esteem as critical determinants. Hobfoll SE, et al. J Pers Soc Psychol 1986 Aug;51(2):296–304
Life stress and health: personality, coping, and family support in stress resistance. Holahan CJ, et al. J Pers Soc Psychol 1985 Sep;49(3):739–47
Intimates as agents of social support: sources of consolation or despair? Swann WB Jr, et al. J Pers Soc Psychol 1985 Dec;49(6):1609–17
Familiarity, group exposure, and risk-taking behavior in gambling. Ladouceur R, et al. J Psychol 1986 Jan; 120(1):45–9
A factor analytic study of manifest anxiety: a transituational, transtemporal investigation. Livneh H, et al. J Psychol 1986 May;120(3):253–63
Perceived self-other differences in life events and mental health among Mexicans and Americans. Zippin DH, et al. J Psychol 1985 Mar;119(2):143–55
Therapeutic support during inpatient group therapy. Affonso DD. J Psychosoc Nurs Ment Health Serv 1985 Nov; 23(11):21–5
Group support for the families of psychiatric patients. Rose L, et al. J Psychosoc Nurs Ment Health Serv 1985 Dec; 23(12):24–9
Psychological factors in recurrent genital herpes infection: stress, coping style, social support, emotional dysfunction, and symptom recurrence. Silver PS, et al. J Psychosom Res 1986;30(2):163–71
Relative support groups [editorial] Ellis P. J R Coll Gen Pract 1986 Feb;36(283):51
Social influences on oestrous cycle length and plasma progesterone concentrations in the female lesser mouse lemur (Microcebus murinus). Perret M. J Reprod Fertil 1986 May;77(1):303–11
The development of a sense of coherence and its impact on

responses to stress situations. Antonovsky H, et al. **J Soc Psychol** 1986 Apr;126(2):213–25

Norms regarding drinking behavior in the business environment. Shore ER. **J Soc Psychol** 1985 Dec; 125(6):735–41

Discriminative control of alcoholics' drinking by the drinking situation. Choquette KA, et al. **J Stud Alcohol** 1985 Sep; 46(5):412–7

Sex differences in drinking among medical students: patterns and psychosocial correlates. Richman JA, et al. **J Stud Alcohol** 1986 Jul;47(4):283–9

Drinking and driving in the sociocultural context: research needs and opportunities. Donelson AC. **J Stud Alcohol [Suppl]** 1985 Jul;10:78–89

Social and cultural contexts of the drinking–driving event. Gusfield JR. **J Stud Alcohol [Suppl]** 1985 Jul;10:70–7

Research needs and opportunities concerning human–environmental interactions in crashes involving alcohol. Waller JA. **J Stud Alcohol [Suppl]** 1985 Jul; 10:54–60

Many groups offer AIDS information, support [news] Goldsmith MF. **JAMA** 1985 Nov 8;254(18):2522–3

Former cancer patients as counselors of newly diagnosed cancer patients. Houts PS, et al. **JNCI** 1986 May; 76(5):793–6

Routine care and psychosocial support of the patient with the acquired immunodeficiency syndrome. Abrams DI, et al. **Med Clin North Am** 1986 May;70(3):707–20

Students' and teachers' views of a medical college environment in Saudi Arabia. el–Hazmi MA, et al. **Med Educ** 1985 Nov;19(6):437–44

Availability and accessibility of family support services. Castellani PJ, et al. **Ment Retard** 1986 Apr;24(2):71–9

Social network variables and stress reaction–lessons from the 1973 Yom–Kippur war. Solomon Z, et al. **Milit Med** 1986 Jan;151(1):12–3

The neighborhood walk: sources of support in middle childhood. Bryant BK. **Monogr Soc Res Child Dev** 1985; 50(3):1–122

What we know about the social influences approach to smoking prevention: review and recommendations. Flay BR. **Natl Inst Drug Abuse Res Monogr Ser** 1985;63:67–112

The social influences approach to smoking prevention and progress toward an integrated smoking elimination strategy: a critical commentary. Lando HA. **Natl Inst Drug Abuse Res Monogr Ser** 1985;63:113–29

Support groups for family caregivers of dementia victims: questions, directions, and future research. Hepburn K, et al. **New Dir Ment Health Serv** 1986 Mar;(29):83–92

Community support systems for the homeless mentally ill. Levine IS, et al. **New Dir Ment Health Serv** 1986 Jun; (30):27–42

Social support during pregnancy: a unidimensional or multidimensional construct? Brown MA. **Nurs Res** 1986 Jan–Feb;35(1):4–9

Social support, stress, and health: a comparison of expectant mothers and fathers. Brown MA. **Nurs Res** 1986 Mar–Apr; 35(2):72–6

Parental network structure and perceived support after birth of first child. Cronenwett LR. **Nurs Res** 1985 Nov–Dec; 34(6):347–52

New perspectives on social support. Tilden VP. **Nurse Pract** 1986 Aug;11(8):60, 62

Differential functioning on the Illingworth by home– vs institution–reared 3–month–old infants. Drivas A, et al. **Percept Mot Skills** 1986 Jun;62(3):923–6

Performance evaluation tests for environmental research (PETER): code substitution test. Pepper RL, et al. **Percept Mot Skills** 1985 Dec;61(3 Pt 1):735–45

Postnatal social environment affects morphine analgesia in male mice. Alleva E, et al. **Physiol Behav** 1986;36(4):779–81

Effect of varying the duration of pre–test cage habituation on oxytocin induction of short–latency maternal behavior. Fahrbach SE, et al. **Physiol Behav** 1986;37(1):135–9

Mesial prefrontal cortical lesions and timidity in rats. III. Behavior in a semi–natural environment. Holson RR. **Physiol Behav** 1986;37(2):239–47

Effects of fluprazine hydrochloride on conspecific odor preferences in rats. Kemble ED, et al. **Physiol Behav** 1986; 37(1):53–6

Nutritional and social cues influence the onset of puberty in California voles. Rissman EF, et al. **Physiol Behav** 1986; 36(2):343–7

Resident's scent: a critical factor in acute analgesic reaction to defeat experience in male mice. Rodgers RJ, et al. **Physiol Behav** 1986;37(2):317–22

Cardiac and ventilatory arousal responses and their habituation in goldfish: effects of the intensity of the eliciting stimulus. Rooney DJ, et al. **Physiol Behav** 1986; 37(1):11–4

Diurnal cycle of core temperature in huddling, week–old rat pups. Schmidt I, et al. **Physiol Behav** 1986;37(1):105–9

Ontogeny of sex differences in open–field ambulation in the rat. Slob AK, et al. **Physiol Behav** 1986;37(2):313–5

Adoption studies: historical and methodological critique. Cadoret RJ. **Psychiatr Dev** 1986 Spring;4(1):45–64

Stress, social support, and the buffering hypothesis. Cohen S, et al. **Psychol Bull** 1985 Sep;98(2):310–57 (147 ref.)

Genetic and environmental influences on obsessional traits and symptoms. Clifford CA, et al. **Psychol Med** 1984 Nov; 14(4):791–800

Social support, dementia and depression among the elderly living in the Hobart community. Henderson AS, et al. **Psychol Med** 1986 May;16(2):379–90

The concept of illness behaviour: culture, situation and personal predisposition. Mechanic D. **Psychol Med** 1986 Feb;16(1):1–7

Bronchial asthma: lack of relationships between allergic factors, illness severity and psychosocial variables in adult patients attending an asthma clinic. Spittle BJ, et al. **Psychol Med** 1984 Nov;14(4):847–52

Expectancy of personal control and seeking social support in coping style. Grace GD, et al. **Psychol Rep** 1986 Jun; 58(3):757–8

Burnout: a comparative analysis of personality and environmental variables. Nagy S, et al. **Psychol Rep** 1985 Dec;57(3 Pt 2):1319–26

Comparison of overt and subjective responses to the Carleton University Responsiveness to Suggestion Scale and the Stanford Hypnotic Susceptibility Scale under conditions of group administration. Spanos NP, et al. **Psychol Rep** 1986 Jun;58(3):847–56

Human cognition in its social context. Wyer RS Jr, et al. **Psychol Rev** 1986 Jul;93(3):322–59

Some determinants of the motivational properties of ethanol in the rat: concurrent administration of food or social stimuli. Stewart RB, et al. **Psychopharmacology (Berlin)** 1985;87(1):43–50

Predictability of individual differences in activation processes in a field setting based on laboratory measures. Fahrenberg J, et al. **Psychophysiology** 1986 May;23(3):323–33

A comparison of the telediagnostic and medilog systems for recording normal sleep in the home environment. Sewitch DE, et al. **Psychophysiology** 1985 Nov;22(6):718–26

Social support and arterial pressure in a central Mexican community. Dressler WW, et al. **Psychosom Med** 1986 May–Jun;48(5):338–50

Life events, social support, and illness. Sarason IG, et al. **Psychosom Med** 1985 Mar–Apr;47(2):156–63

Thuishulpcentrale: a Dutch model for practical family assistance. Versluys HP. **Rehabil Lit** 1986 Mar–Apr; 47(3–4):50–9

Social network relationships and use of physician services. A reexamination. Coe RM, et al. **Res Aging** 1984 Jun; 6(2):243–56

Elderly persons without family support networks and use of health services. A follow–up report on social network relationships. Coe RM, et al. **Res Aging** 1985 Dec; 7(4):617–22

Senior center activities and services. Findings from a national study. Krout JA. **Res Aging** 1985 Sep;7(3):455–71

Families, informal supports, and Alzheimer's disease. Current research and future agendas. Ory MG, et al. **Res Aging** 1985 Dec;7(4):623–44 (59 ref.)

Social support factor structure in the elderly. Revicki DA, et al. **Res Aging** 1986 Jun;8(2):232–48

Informal support systems in a planned retirement community. Availability, proximity, and willingness to utilize. Sullivan DA. **Res Aging** 1986 Jun;8(2):249–67

Life change and instrumental support as predictors of illness in mothers of 6–month–olds. Lenz ER, et al. **Res Nurs Health** 1986 Mar;9(1):17–24

Chronic digestive disease in an urban black population. Segal I. **S Afr Med J** 1986 Sep 13;70(6):346–50 (48 ref.)

Socio–environmental factors and lung function. Steinberg M, et al. **S Afr Med J** 1986 Aug 30;70(5):270–4 (42 ref.)

Home readings of blood pressure in hypertension. Andersen AR, et al. **Scand J Prim Health Care** 1985 May;3(2):71–7

A social network approach and the revolving door patient. Morin RC, et al. **Schizophr Bull** 1986;12(2):262–73

Psychosocial support: interventions for the physician. Hermann JF. **Semin Oncol** 1985 Dec;12(4):466–71 (12 ref.)

Social and biological determinants of age at first marriage in Taiwan, 1970. Ko CF, et al. **Soc Biol** 1985 Spring–Summer;32(1–2):115–28

Sibling and environmental correlates of adolescents' perceptions of family environments: ethnic group differences. Marjoribanks K. **Soc Biol** 1985 Spring–Summer;32(1–2):71–81

Life circumstances and the use of mental health services. A five year follow–up. Nieminen H. **Soc Psychiatry** 1986; 21(3):123–8

Social and clinical correlates of unemployment in two cohorts of male parasuicides. Platt SD, et al. **Soc Psychiatry** 1986;21(1):17–24

Dimensions of social support: a conceptual framework for research. Veiel HO. **Soc Psychiatry** 1985;20(4):156–62

Biophysical imperatives of health care. **Soc Sci Med** 1985; 21(12):1335–409

An analytic typology of disclaimers, excuses and justifications surrounding illness: a situational approach to health and illness. Alonzo AA. **Soc Sci Med** 1985;21(2):153–62

Health as situational adaption: a social psychological perspective. Alonzo AA. **Soc Sci Med** 1985;21(12):1341–4

Traditional medicine and biopsychosocial fulfillment in African health. Atsudo ES. **Soc Sci Med** 1985; 21(12):1345–7

Permanence and change: psychosocial factors in the outcome of adolescent pregnancy. Boyce WT, et al. **Soc Sci Med** 1985;21(11):1279–87

Biopsychosocial imperatives from the rural perspective. Cordes SM. **Soc Sci Med** 1985;21(12):1373–9

Clinical biopsychosocial practice and primary health care in Eastern Nigeria. Day SB. **Soc Sci Med** 1985; 21(12):1383–9

Doors and thresholds: Jeddi's approach to psychiatric disorders. Devisch R, et al. **Soc Sci Med** 1986;22(5):541–51

The social and cultural context of coping: action, gender and symptoms in a southern black community. Dressler WW. **Soc Sci Med** 1985;21(5):499–506

The influence of the family on control of diabetes. Edelstein J, et al. **Soc Sci Med** 1985;21(5):541–4

Social networks and the spread of infectious diseases: the AIDS example. Klovdahl AS. **Soc Sci Med** 1985; 21(11):1203–16

The relation of social support and working environment to medical variables associated with elevated blood pressure in young males: a structural model. Knox SS, et al. **Soc Sci Med** 1985;21(5):525–31

Gender differences in life expectancy among kibbutz members. Leviatan U, et al. **Soc Sci Med** 1985;21(5):545–51

Social support in pregnancy: the 'soft' way to increase birthweight? Oakley A. **Soc Sci Med** 1985;21(11):1259–68

Psychosocial support and change in the health status of physically disabled people. Patrick DL, et al. **Soc Sci Med** 1986;22(12):1347–54

Social and environmental factors associated with diarrhoea and growth in young children: child health in urban Africa. Pickering H. **Soc Sci Med** 1985;21(2):121–7

The Czechoslovak approach to biopsychosocial health. Votava Z. **Soc Sci Med** 1985;21(12):1381–2

Marital context and post–infarction quality of life: is it social support or something more? Waltz M. **Soc Sci Med** 1986; 22(8):791–805 (80 ref.)

Women and abortion: attitudes, social networks, decision–making. Faria G, et al. **Soc Work Health Care** 1985 Fall;11(1):85–99

Environmental management of senile dementia. Rosin AJ, et al. **Soc Work Health Care** 1985 Fall;11(1):33–43

Social life factors affecting stillbirth, and infant and adult–disease mortality. Araki S, et al. **Tohoku J Exp Med** 1986 Jun;149(2):213–9

Social life factors affecting major malignant neoplasms in Japan. Araki S. **Tohoku J Exp Med** 1986 Jun;149(2):221–8

Lead tissue levels of dogs from rural and urban areas of Victoria, Australia. Hamir AN, et al. **Vet Rec** 1986 Jan 18;118(3):77–8

[Psychosocial diagnosis in modern medicine] Dunovský J, et al. **Cas Lek Cesk** 1985 Nov 1;124(44):1345–8 (Eng. Abstr.) **(Cze)**

[Family environment: at home, parents, work, neighborhood and leisure time activities] Deschamps L, et al. **Arch Belg** 1985;43(5–8):336–41 **(Dut)**

[Coping with mourning and support at the death of a newborn infant] Hohenbruck BG, et al. **Ned Tijdschr Geneeskd** 1985 Aug 17;129(33):1582–5 (Eng. Abstr.) **(Dut)**

[The amazing old age (editorial)] Munnichs J. **Tijdschr Gerontol Geriatr** 1986 Feb;17(1):1 **(Dut)**

[Psychopathology of work, psychobioecologic approach to occupational maltreatment and considerations on the prevention of maladjustment] Amiel R. **Ann Med Psychol (Paris)** 1985 Sep–Oct;143(8):729–51 **(Fre)**

[The school environment] Franckson–Devogel J, et al. **Arch Belg** 1985;43(5–8):357–60 **(Fre)**

[The family environment. Parents and close relations, home, work, leisure] Zwick J, et al. **Arch Belg** 1985;43(5–8):342–6 **(Fre)**

[The demented patient: his family, social and therapeutic environment] Simeone I. **Schweiz Arch Neurol Psychiatr** 1985;136(4):111–6 (Eng. Abstr.) **(Fre)**

[Determinants of embarrassment and shame: a facet theory approach] Borg I, et al. **Arch Psychol (Frankf)** 1986; 138(1):53–70 (Eng. Abstr.) **(Ger)**

[Bandura's self efficacy theory: study of changes in verbal behavior and assertive behavior in the group] Mielke R. **Arch Psychol (Frankf)** 1986;138(1):39–52 (Eng. Abstr.) **(Ger)**

[Disclosure of drinking behavior, social drinking and blood alcohol concentration] Kunkel E. **Blutalkohol** 1985 Sep; 22(5):341–56 (Eng. Abstr.) **(Ger)**

[Ecologic factors and risk of rehospitalization of psychotic patients] Klusmann D, et al. **Eur Arch Psychiatry Neurol Sci** 1986;235(4):231–42 (Eng. Abstr.) **(Ger)**

[The cancer patient and his environment] Verres R. **Geburtshilfe Frauenheilkd** 1985 Sep;45(9):583–91 (Eng. Abstr.) **(Ger)**

[Sociocultural aspects of child nutrition—food faddism] Grüttner R. **Monatsschr Kinderheilkd** 1986 Jun; 134(6):414–8 (Eng. Abstr.) **(Ger)**

[Children of a drug–dependent society] Heckmann W. **Off Gesundheitswes** 1985 Sep;47(9):424–9 **(Ger)**

[Involvement of biologic and psychosocial risk factors in the etiologic structure of child development disorders] Donczik J, et al. **Padiatr Grenzgeb** 1985;24(5):409–14 (Eng. Abstr.) **(Ger)**

[Effect of psychological and social factors in the disease experience in childhood] Ziermann U, et al. **Padiatr Grenzgeb** 1985;24(5):423–7 (Eng. Abstr.) **(Ger)**

[The path into the wilderness as the path to the self? Critical reflections on Hans Peter Duerr's ethnology] Barteis M. **Psyche (Stuttg)** 1986 Jan;40(1):69–84 (Eng. Abstr.) **(Ger)**

[Law and history. On the psychoanalytic concept of knowledge] Sonnemann U. **Psyche (Stuttg)** 1986 Jul;

40(7):569–82 (Eng. Abstr.) (Ger)
[Integration of organic brain-damaged and milieu-damaged children and adolescents in school and vocation] Kleinpeter U. **Psychiatr Neurol Med Psychol Beih** 1967;7:24–32 (Ger)
[Social environment of alcoholic patients after clinic discharge and its effect on treatment success] Becker K, et al. **Psychiatr Prax** 1986 Jul;13(4):121–7 (Eng. Abstr.) (Ger)
[Experience of their environment and disease by facially disfigured patients—recognition of the handicap as a prerequisite for rehabilitation] Sommerfeld S, et al. **Rehabilitation (Stuttg)** 1985 Aug;24(3):151–6 (Eng. Abstr.) (Ger)
[The social environment of tuberculosis patients in the high-altitude clinics and at work] Karrer W, et al. **Schweiz Rundsch Med Prax** 1986 Feb 25;75(9):213–6 (Eng. Abstr.) (Ger)
[The Marxist human image, the dialectic of individuality and society and problems of socialist health protection] Straass G. **Z Arztl Fortbild (Jena)** 1986;80(2):79–82 (Ger)
[Consistent dichotomous reaction pattern of heart and respiratory rate in laboratory and field situations] Foerster F. **Z Exp Angew Psychol** 1985;32(4):553–62 (Eng. Abstr.) (Ger)
[Demographic and social characteristics of patients with Crohn disease in an urban area. A study with neighborhood hospital controls] Balzer K, et al. **Z Gastroenterol** 1985 Jul; 23(7):347–54 (Eng. Abstr.) (Ger)
[Observation of dependent and independent behavior in a German old age home: the social environment as an influencing factor] Baltes MM, et al. **Z Gerontol** 1986 Jan–Feb;19(1):14–24 (Eng. Abstr.) (Ger)
[Sources of support and forms of satisfaction of the elderly in Ghana] van Ham Apt N. **Z Gerontol** 1986 Mar–Apr; 19(2):90–5 (Eng. Abstr.) (Ger)
[Contributions of occupational psychology to the scientific establishment of threshold values] Metz AM, et al. **Z Gesamte Hyg** 1986 Jan;32(1):30–2 (Eng. Abstr.) (Ger)
[Effect of the satisfaction of young adults with their occupation, job and life conditions on their morbidity] Schirmer B, et al. **Z Gesamte Hyg** 1985 May;31(5):300–2 (Eng. Abstr.) (Ger)
[Effect of psychosocial risks on the maturation of EEG background activity in early childhood brain-damaged children] Cammann R, et al. **Z Kinder Jugendpsychiatr** 1985; 13(1):5–15 (Eng. Abstr.) (Ger)
[Determination of biologic aging within the scope of the Halberstadt gerontologic study. 3. Partial Index III (prevailing social area)] Kühne KD, et al. **ZFA** 1985 Nov–Dec;40(6):351–6 (Eng. Abstr.) (Ger)
[Health status and management of elderly citizens of a residential district and a home for the aged in the city of Erfurt] Schunk W, et al. **ZFA** 1986 Mar–Apr;41(2):113–8 (Eng. Abstr.) (Ger)
[Family and economic situations and social needs of patients with multiple sclerosis among the population of Lódź] Drabkowska-Kaczmarek A. **Neurol Neurochir Pol** 1985 Nov–Dec;19(6):465–70 (Eng. Abstr.) (Pol)
[Extent and quality of social networks, an attribute of the course and recovery in schizophrenia] Vrasti R, et al. **Rev Med Interna [Neurol Psihiatr]** 1985 Oct–Dec; 30(4):303–8 (Eng. Abstr.) (Rum)
[Socio-ecologic concepts in the epidemiology of infectious and parasitic diseases] Cherkasskii BL. **Med Parazitol (Mosk)** 1985 Nov–Dec;(6):3–8 (19 ref.) (Rus)
[The epidemic process as a system. The social regulators of the epidemic process] Cherkasskii BL. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Dec;(12):38–42 (Eng. Abstr.) (Rus)
[Social network of psychiatric patients in the Basque country] Guimón J, et al. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1986 Mar–Apr;14(2):128–38 (Eng. Abstr.) (Spa)
[Interaction of the psychosocial environment, coronary risk behavior and ischemic cardiopathy] Theorell T. **Rev Esp Cardiol** 1985;38 Suppl 3:45–9 (Eng. Abstr.) (Spa)

SOCIAL FACILITATION

Adolescents' substance use: impact of ethnicity, income, and availability. Maddahian E, et al. **Adv Alcohol Subst Abuse** 1986 Spring;5(3):63–78
Young drug addicts and the drug scene. Lucchini R. **Bull Narc** 1985 Apr–Sep;37(2–3):135–48
Social facilitation of eclosion in the fire ant, Solenopsis invicta. Lamon B, et al. **Dev Psychobiol** 1985 Sep; 18(5):367–74
Stress and social facilitation: the effects of the presence of an instructor on student nurses' behaviour. Kushnir T. **J Adv Nurs** 1986 Jan;11(1):13–9
Social influences and constraints on the initiation and cessation of adolescent tobacco use. Skinner WF, et al. **J Behav Med** 1985 Dec;8(4):353–76
Quitting smoking: strategies used and variables associated with success in a stop-smoking contest. Glasgow RE, et al. **J Consult Clin Psychol** 1985 Dec;53(6):905–12
Social influences on creativity: the effects of contracted-for reward. Amabile TM, et al. **J Pers Soc Psychol** 1986 Jan; 50(1):14–23
What we know about the social influences approach to smoking prevention: review and recommendations. Flay BR. **Natl Inst Drug Abuse Res Monogr Ser** 1985;63:67–112
The social influences approach to smoking prevention and progress toward an integrated smoking elimination strategy: a critical commentary. Lando HA. **Natl Inst Drug Abuse Res Monogr Ser** 1985;63:113–29
Father–newborn interaction: effects of social competence and infant state. Jones LC, et al. **Nurs Res** 1986 May–Jun; 35(3):149–53
Assessment of refusal skill in minority youth. Bobo JK, et al. **Psychol Rep** 1985 Dec;57(3 Pt 2):1187–91
[Children of a drug-dependent society] Heckmann W. **Off Gesundheitswes** 1985 Sep;47(9):424–9 (Ger)

SOCIAL IDENTIFICATION see under **SOCIAL BEHAVIOR**

SOCIAL INSURANCE see **SOCIAL SECURITY**

SOCIAL INTERACTION see **INTERPERSONAL RELATIONS**

SOCIAL ISOLATION

Bulimia: disturbed patterns of solitude. Larson R, et al. **Addict Behav** 1985;10(3):281–90
Loneliness among adolescent college students at a midwestern university. Medora N, et al. **Adolescence** 1986 Summer;21(82):391–402
Educational desert or oasis? An educator's trek to Outer Mongolia. Rundall RA, et al. **Adolescence** 1986 Spring; 21(81):185–9
Social isolation and passivity of women alcoholics [editorial] Gomberg ES, et al. **Alcohol Alcohol** 1985;20(3):313–4
Social networks, support, and health: taking the next step forward. Berkman LF. **Am J Epidemiol** 1986 Apr; 123(4):559–62 (15 ref.)
Social stress increases [14C]2-deoxyglucose incorporation in three rostral forebrain areas of the young chick. Müller SC, et al. **Behav Brain Res** 1986 Jan;19(1):93–8
Effects of social isolation in adulthood on odor preferences and urine-marking in male rats. Brown RE. **Behav Neural Biol** 1985 Jul;44(1):139–43
Postaggression footshock inhibits aggressive behavior in dominant but not in isolated mice. Frischknecht HR, et al. **Behav Neural Biol** 1985 Jul;44(1):132–8
The effects of naloxone and cage size on social play and activity in isolated young rats. Siegel MA, et al. **Behav Neural Biol** 1986 Mar;45(2):155–68
Social isolation and tolerance development to sodium barbital in mice. Faggin BM, et al. **Braz J Med Biol Res** 1985; 18(2):223–6
The effects of loneliness: a review of the literature. West DA, et al. **Compr Psychiatry** 1986 Jul–Aug;27(4):351–63 (87 ref.)
Opioid-mediation of separation distress in 10-day-old rats: reversal of stress with maternal stimuli. Kehoe P, et al. **Dev Psychobiol** 1986 Jul;19(4):385–98
Infanticide by virgin CF-1 and wild male house mice (Mus musculus): effects of age, prolonged isolation, and testing procedure. McCarthy MM, et al. **Dev Psychobiol** 1986 May; 19(3):279–90
Conditioning of an odor aversion in preweanlings with isolation from home nest as the unconditioned stimulus. Smith GJ, et al. **Dev Psychobiol** 1985 Sep;18(5):421–34
Effects of sensory deprivation in psychiatric seclusion and solitary confinement. Grassian S, et al. **Int J Law Psychiatry** 1986;8(1):49–65
The use of restraint and seclusion in New York State psychiatric centers. Way BB. **Int J Law Psychiatry** 1986; 8(4):383–93
Stress, loneliness, and changes in herpesvirus latency. Glaser R, et al. **J Behav Med** 1985 Sep;8(3):249–60
Responsiveness of isolated versus rejected children to social skills training. Tiffen K, et al. **J Child Psychol Psychiatry** 1986 May;27(3):343–55
Redevelopment of elevated blood pressure following adrenalectomy in rats with isolation-induced hypertension. Gardiner SM, et al. **J Hypertens** 1985 Aug;3(4):373–8
Age and gender differences in and personality correlates of loneliness in different relationships. Schmitt JP, et al. **J Pers Assess** 1985 Oct;49(5):485–96
Ritual buffoonery: a social preventive measure against childhood mortality in Senegal. Fassin D, et al. **Lancet** 1986 Jan 18;1(8473):142–3
Evidence for a central but not adrenal, opioid mediation in hypertension induced by brief isolation in the rat. Naranjo JR, et al. **Life Sci** 1986 May 26;38(21):1923–30
Beyond patient management: the therapeutic use of seclusion and restraints. Grigson JW. **Perspect Psychiatr Care** 1984 Oct–Dec;22(4):137–42
Central norepinephrine and plasma corticosterone following acute and chronic stressors: influence of social isolation and handling. Irwin J, et al. **Pharmacol Biochem Behav** 1986 Apr;24(4):1151–4
Altered neurobiological responses to acute immobilization in social-isolated mice. Oehler J, et al. **Pharmacol Biochem Behav** 1986 Jul;25(1):41–4
Differential effects of isolation housing on the conditioned place preference produced by cocaine and amphetamine. Schenk S, et al. **Pharmacol Biochem Behav** 1986 Jun; 24(6):1793–6
Pharmacokinetics and effects of haloperidol in the isolated mouse. Zetler G, et al. **Pharmacology** 1985;31(6):318–27
Stress adaptation and adrenal activity in isolated and crowded rats. Gamallo A, et al. **Physiol Behav** 1986;36(2):217–21
Postpubertal isolation decreases infanticide and elevates parental care in C57BL/6J male mice. Ghiraldi LL, et al. **Physiol Behav** 1986 Jan;36(1):59–62
The effects of isolation, grouping and aggressive interactions on indole- and catecholamine levels and apparent turnover in the hypothalamus and midbrain of the male golden hamster. Payne AP, et al. **Physiol Behav** 1985 Jun; 34(6):911–6
The influence of social isolation on ethanol preference behavior and dopamine release in telencephalon slices in mice. Andreas K, et al. **Pol J Pharmacol Pharm** 1985 Nov–Dec;37(6):851–4
The influence of chronic treatment with psychotropic drugs on behavioral changes by social isolation. Oehler J, et al. **Pol J Pharmacol Pharm** 1985 Nov–Dec;37(6):841–9
The significance of central nicotine receptors in the aggression of isolated mice. Roliński Z, et al. **Pol J Pharmacol Pharm** 1985 Jul–Aug;37(4):479–86
AIDS victims, modern pariahs [editorial] Scott D. **Postgrad Med** 1985 Oct;78(5):21, 24
Restricted feeding and reproductive performance of individually caged broiler breeder males. Brown HB, et al. **Poult Sci** 1986 May;65(5):850–5
A model of estrangement—including a theoretical understanding of loneliness. Andersson L. **Psychol Rep** 1986 Jun;58(3):683–95
Social interest, loneliness, and narcissism. Joubert CE. **Psychol Rep** 1986 Jun;58(3):870
Loneliness in relation to depression and self-esteem. Ouellet R, et al. **Psychol Rep** 1986 Jun;58(3):821–2
Experience of loneliness by obese individuals. Schumaker JF, et al. **Psychol Rep** 1985 Dec;57(3 Pt 2):1147–54
Interaction of dietary tryptophan and social isolation on territorial aggression, motor activity, and neurochemistry in mice. Lasley SM, et al. **Psychopharmacology (Berlin)** 1985;87(3):313–21
Behavioral and biochemical studies of dopamine receptor sensitivity in differentially housed mice. Wilmot CA, et al. **Psychopharmacology (Berlin)** 1986;89(3):364–9
Social group work in a group practice. Group work with the retired elderly in Copenhagen. Backer G. **Scand J Prim Health Care** 1985 Feb;3(1):45–8
Attempted suicide in Denmark. II. Social integration. Bille-Brahe U, et al. **Soc Psychiatry** 1985;20(4):163–70
Social isolation among schizophrenic out-patients. Hirschberg W. **Soc Psychiatry** 1985;20(4):171–8
[Frequency range of the voice of stutterers under conditions of social isolation] Sváb L, et al. **Sb Lek** 1986 Jun; 88(6):181–5 (Eng. Abstr.) (Cze)
[Induced maternal behavior in the domestic hen. Influence of partial or total separation on the maintenance of maternal responsiveness] Richard-Yris MA, et al. **C R Acad Sci [III]** 1986;302(10):387–90 (Eng. Abstr.) (Fre)
[Effect of lithium, carbamazepine, ca-valproate and diazepam on changes in social isolation-induced behavior in mice] Oehler J, et al. **Biomed Biochim Acta** 1985;44(10):1523–30 (Eng. Abstr.) (Ger)
[Effect of early postnatal social and nutritional deprivation and simultaneous treatment with pyridostigmine on synaptogenesis in the hippocampus of the rat. Electron microscopy, morphometric and stereologic studies] Plaschke M, et al. **J Hirnforsch** 1986;27(2):145–58 (Eng. Abstr.) (Ger)
[Social isolation from the status of mental health] Gross J, et al. **Psychiatr Neurol Med Psychol Beih** 1967;7:101–10 (Ger)
[Does psychiatry need closed wards? Remarks on "Ethical principles and moral standards in psychiatry..."] Eichhorn H. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Jan; 38(1):39–42 (Ger)
[Loneliness and self-consciousness in high-school students] Moroi K. **Shinrigaku Kenkyu** 1985 Oct;56(4):237–40 (Eng. Abstr.) (Jpn)
[Dynamics of the informal structure of a small dedicated group under the natural conditions of social isolation stress] Terelak J. **Kosm Biol Aviakosm Med** 1985 Nov–Dec; 19(6):90–2 (Rus)
[Reproductive function of the rat with individual behavioral traits during maintenance in isolation and crowding] Zukhar' AV. **Zh Vyssh Nerv Deiat** 1985 Sep–Oct; 35(5):985–7 (Rus)

SOCIAL JUSTICE see under **HUMAN RIGHTS**

SOCIAL MEDICINE

Two comments received on the German experience and social medicine [letter] **Am J Public Health** 1986 Jun; 76(6):711–3
Social visions and social control: the evolution of medical thought in postwar Hungary. Kullberg P. **Int J Health Serv** 1986;16(3):391–408
[Medical and social aspects of reproductive health] Stoimenov G. **Akush Ginekol (Sofiia)** 1986;25(2):16–20 (Bul)
[The scientific character of social medicine] Müller C, et al.

Cesk Zdrav 1986 May;34(5):193–8 (Eng. Abstr.) (Cze)
[Legal principles of the cooperation between public health physicians and medical examiners] Sendler H.
Off Gesundheitswes 1986 Feb;48(2):65–8 (Eng. Abstr.) (Ger)
[Socio-political significance of forensic medicine] Somogyi E. Morphol Igazsagugyi Orv Sz 1985 Oct;25(4):283–6 (Hun)
[Changes in the professional expectations and attitudes of medical students toward the preventive and social aspects of education and medical practice] Gutiérrez Avila JH, et al. Educ Med Salud 1985;19(4):386–402 (Eng. Abstr.) (Spa)
[Social sciences, preventive medicine and medical education in Venezuela] Jaén MH, et al. Educ Med Salud 1986; 20(2):160–79 (Eng. Abstr.) (Spa)
[Preventive and social aspects in medical education, Mexico] Tapia Juayek R, et al. Educ Med Salud 1986;20(2):203–15 (Eng. Abstr.) (Spa)

ECONOMICS

[Increase in the effectiveness of basic funds in public health and social service] Heinen K. Z Gesamte Hyg 1986 Apr; 32(4):215–22 (Ger)

EDUCATION

How we teach social medicine in a more interesting and coherent way. Mårtenson D, et al. Med Teach 1985; 7(3–4):301–11
Integrated education of health care professionals applied to social medicine in primary health care. Bergman-Larsson K, et al. Scand J Prim Health Care 1985 Sep;3(3):171–4
[Findings by students on the teaching of social medicine during training at a health facility] Nováková H. Cesk Zdrav 1986 May;34(5):233–6 (Eng. Abstr.) (Cze)

HISTORY

Social medicine vs professional dominance: the German experience. Light DW, et al. Am J Public Health 1986 Jan;76(1):78–83
Medicine as social science: Rudolf Virchow on the typhus epidemic in Upper Silesia. Taylor R, et al.
Int J Health Serv 1985;15(4):547–59
[Origins, means and goals of the Association of German Radiation Protection Physicians] Beck HR.
Strahlenschutz Forsch Prax 1985;26:xx–xxii (Ger)
[In the spirit of the revolution (editorial)] Somogyi E. Orv Hetil 1985 Nov 3;126(44):2695–6 (Hun)
[Victorious October and socialist public health] Chikin SIa. Sov Zdravookhr 1985;(11):3–7 (Rus)
[N.A. Vinogradov—social hygienist and organizer of Soviet public health] Kant VI, et al. Sov Zdravookhr 1985; (11):68–70 (Rus)

TRENDS

Lay care in illness. Dean K. Soc Sci Med 1986;22(2):275–84 (61 ref.)
Whither the state in Yugoslav health care? Parmelee DE. Soc Sci Med 1985;21(7):719–32
[Current status and future of cooperation between physicians and social insurance and their partners from the hospital and general practice. Daily practice: problems and their solution] Eisenhauer W. Off Gesundheitswes 1985 Oct; 47(10):530–3 (Ger)
[The nature of socialistic health protection] Grohs N, et al. Z Arztl Fortbild (Jena) 1986;80(9):385–8 (Ger)
[Developmental thoughts and medicine. On the relation between the materialistic dialectic and medical science] Stange W. Z Arztl Fortbild (Jena) 1986;80(5):233–6 (Ger)
[Further organization of ambulatory medical care in East Germany] Weiss O, et al. Z Gesamte Hyg 1986 Apr; 32(4):210–5 (Ger)
[Leninist principles of public health in action] Potulov BM. Sov Zdravookhr 1986;(4):3–7 (Rus)
[Reflection of the contradiction between the objective and the valuable in the structure of medical practice as a condition for creating its theory] Faustov AS, et al. Vestn Akad Med Nauk SSSR 1986;(4):58–66 (Rus)

SOCIAL MOBILITY

Social class and social mobility in depressed patients. Eisemann M. Acta Psychiatr Scand 1986 Apr;73(4):399–402
The rationale for Head Start as a vehicle for the upward mobility of minority families: a minority perspective. Oyemade UJ. Am J Orthopsychiatry 1985 Oct; 55(4):591–602
How lower- and working-class youth become middle-class adults: the association between ego defense mechanisms and upward social mobility. Snarey JR, et al.
Child Dev 1985 Aug;56(4):899–910
Intergenerational mobility and the relationship between adults and their aging parents in Sweden. Sundström G. Gerontologist 1986 Aug;26(4):367–71
Divorce, widowhood, remarriage and geographic mobility among women. Grundy E. J Biosoc Sci 1985 Oct; 17(4):415–35
Epidemiology, genetics and sociology. A reply. Himsworth H. J Biosoc Sci 1986 Jan;18(1):119–23

SOCIAL PERCEPTION

see related
STEREOTYPING
Adolescents' perception of aspects of the home environment and their attitudes toward parents, self, and external authority. Amoroso DM, et al. Adolescence 1986 Spring; 21(81):191–204
Longitudinal analysis of adolescent girls' aspirations at school and perceptions of popularity. Butcher J. Adolescence 1986 Spring;21(81):133–43
The effects of peer-teaching on student perceptions of class environment, adjustment, and academic performance. Wright S, et al. Am J Community Psychol 1985 Aug; 13(4):417–31
Impacts of labeling and competence on peers' perceptions: mentally retarded versus nonretarded perceivers. Johnson CG, et al. Am J Ment Defic 1986 May;90(6):663–8
Psychiatric aides' perceptions of a patient's assertive behaviors. Dura JR, et al. Behav Modif 1986 Jul; 10(3):301–14
Processing of preconsciously acquired information measured by hemispheric asymmetry and selection accuracy. Barchas PR, et al. Behav Neurosci 1986 Jun;100(3):343–9
Judgement of facial affect among depressives and schizophrenics. Mandal MK. Br J Clin Psychol 1986 May; 25 (Pt 2):87–92
Therapeutic use of heroin: the scientist's role in social policy development. Sellers EM. Clin Invest Med 1986;9(2):139–40
People would talk: normative barriers to cross-sex friendships for elderly women. Adams RG.
Gerontologist 1985 Dec;25(6):605–11
Crosscultural comparison on nursing image. Austin JK, et al. Int J Nurs Stud 1985;22(3):231–9
Public awareness of physically disabled persons. Fichten CS, et al. Int J Rehabil Res 1985;8(4):407–13
Are schizophrenics' behaviors schizophrenic? What medically versus psychosocially oriented therapists attribute to schizophrenic persons. Shoham-Salomon V. J Abnorm Psychol 1985 Nov;94(4):442–53
A comparative analysis of nurse and physician characters in the entertainment media. Kalisch PA, et al.
J Adv Nurs 1986 Mar;11(2):179–95
Nursing patients—an enjoyable task? Marshall PD.
J Adv Nurs 1985 Sep;10(5):429–34
Nursing students' perceptions of a child: influence of information on family structure. Siebert KD, et al.
J Adv Nurs 1986 May;11(3):333–7
The dentist-patient relationship: mutual perceptions and behaviors. Corah NL, et al. J Am Dent Assoc 1986 Aug; 113(2):253–5
Evaluations and consequences of assertive behavior. Zollo LJ, et al. J Behav Ther Exp Psychiatry 1985 Dec; 16(4):295–301
Developing perceptions of temperament and their relation to mother and infant behavior. Zeanah CH, et al.
J Child Psychol Psychiatry 1986 Jul;27(4):499–512
Emotion recognition in schizophrenic and depressed inpatients. Zuroff DC, et al. J Clin Psychol 1986 May; 42(3):411–7
Cracks in the image or what patients think of us [editorial] Lacsamana RG. J Fla Med Assoc 1985 Aug;72(8):573–5
Ascriptions by handicapped and nonhandicapped children to themselves, normal children, and handicapped children. Parish TS, et al. J Genet Psychol 1985 Jun;146(2):279–80
Perceived support, received support, and adjustment to stressful life events. Wethington E, et al.
J Health Soc Behav 1986 Mar;27(1):78–89
Docents' and students' perceptions of the ideal and actual role of the docent. Calkins EV, et al. J Med Educ 1986 Sep;61(9 Pt 1):743–8
To profess—to be a professional. Diers D. J Nurs Adm 1986 Mar;16(3):25–30
Split images: compared perceptions of nursing faculty. Chute GE, et al. J Nurs Educ 1986 Apr;25(4):163–5
How nursing students explain their success and failure in clinical experiences. Davidhizar RE, et al. J Nurs Educ 1985 Sep;24(7):284–90
Shyness-environment interaction: a view from the shy side through auto-photography. Ziller RC, et al. J Pers 1985 Dec;53(4):626–39
Social evaluation and the empathy-altruism hypothesis. Fultz J, et al. J Pers Soc Psychol 1986 Apr;50(4):761–9
Language structure in social interaction: perceptions of direct and indirect speech acts and interactants who use them. Holtgraves T. J Pers Soc Psychol 1986 Aug;51(2):305–13
Impression formation: the role of expressive behavior. Riggio RE, et al. J Pers Soc Psychol 1986 Feb;50(2):421–7
The hostile media phenomenon: biased perception and perceptions of media bias in coverage of the Beirut massacre. Vallone RP, et al. J Pers Soc Psychol 1985 Sep; 49(3):577–85
How automatic are social judgments? Winter L, et al.
J Pers Soc Psychol 1985 Oct;49(4):904–17
Person memory: the role of traits, group stereotypes, and specific behaviors in the cognitive representation of persons. Wyer RS Jr, et al. J Pers Soc Psychol 1986 Apr; 50(4):661–75
Through the art of children: perceptions of alcohol use and abuse. Sheppard MA, et al. J Sch Health 1986 Mar; 56(3):90–2
Accessing children's knowledge of sociolinguistic rules for speech therapy lessons. Ripich DN, et al.
J Speech Hear Disord 1985 Nov;50(4):335–46
The effect of alcohol on self-evaluation and perception of negative interpersonal feedback. Yankofsky L, et al.
J Stud Alcohol 1986 Jan;47(1):26–33
An analysis of alcoholics' perception of hostility before and after treatment. Moss SB, et al. J Subst Abuse Treat 1985; 2(2):107–11
Arthritis patients' self-reported affective states and their caregivers' perceptions. Muhlenkamp AF, et al.
Nurs Res 1986 Jan–Feb;35(1):24–7
Effect of context on perception of emotion among psychiatric patients. Muzekari LH, et al. Percept Mot Skills 1986 Feb; 62(1):79–84
Infantile omnipotence and grandiosity. Levin R.
Psychoanal Rev 1986 Spring;73(1):57–76
Perceiving character in faces: the impact of age-related craniofacial changes on social perception. Berry DS, et al. Psychol Bull 1986 Jul;100(1):3–18 (67 ref.)
College students' perceptions of psychiatrists, psychologists, and social workers: a comparison. Alperin RM, et al.
Psychol Rep 1985 Oct;57(2):547–8
Policy perspectives on newspaper reports of nurse strikes. Kalisch PA, et al. Res Nurs Health 1985 Sep;8(3):243–51
Media images of physicians and nurses in the United States. Krantzler NJ. Soc Sci Med 1986;22(9):933–52

SOCIAL PLANNING

Building supportive ties and sense of community among the inner-city elderly: the Tenderloin Senior Outreach Project. Minkler M. Health Educ Q 1985 Winter;12(4):303–14
Nurses as a social force. Labelle H. J Adv Nurs 1986 May; 11(3):247–53
Rural development and primary health care in less developed countries. Muhondwa EP. Soc Sci Med 1986; 22(11):1247–56 (65 ref.)
Controlling the hazards of development. Are the developing countries ready? Schaefer M. WHO Chron 1986;40(1):6–11

SOCIAL POLICY see PUBLIC POLICY

SOCIAL PROBLEMS

see related
ALCOHOLISM
STUDENT DROPOUTS
SUBSTANCE DEPENDENCE
Psychiatry and social challenge. Brown WT.
Can J Psychiatry 1985 Dec;30(8):559–65
Force-feeding: the physician's dilemma. Kleinman I.
Can J Psychiatry 1986 May;31(4):313–6
International Year of Youth [editorial] Weiss G.
Can J Psychiatry 1985 Nov;30(7):465–6
Dealing with drugs: heroin abuse as a social problem. Brunswick AF. Int J Addict 1985 Nov-Dec; 20(11–12):1773–91
A health visitor affects the problems others do not reach. Vetter NJ, et al. Lancet 1986 Jul 5;2(8497):30–2
Medico-social issues [letter] Batt BJ. Med J Aust 1985 Sep 30;143(7):323
American Academy of Pediatrics Committee on Early Childhood, Adoption, and Dependent Care: Missing children. Pediatrics 1986 Aug;78(2):370–2
Community response to alcohol-related problems. Review of an international study. Ritson EB. Public Health Pap 1985;81:1–58
Emergency care. Identification of psychosocial problems. Olsson M, et al. Scand J Soc Med 1986;14(2):87–91
[Attempt at a preliminary reply to Renan's question, "De quoi vivra-t-on après nous?" Thoughts of a pedagogue on the natural history of an anticipated horizon] Nicklis WS.
Z Klin Psychol Psychopathol Psychother 1985;33(2):111–30 (Eng. Abstr.) (Ger)
[The elderly: various considerations on violence] Azzaro E, et al. Minerva Psichiatr 1985 Apr-Jun;26(2):171–2 (Ita)
[Violence in the family] Costa E. Minerva Psichiatr 1985 Apr-Jun;26(2):137–42 (Ita)
[Generational struggle: violence of the young and violence against the young] Majore I. Minerva Psichiatr 1985 Apr-Jun;26(2):143–6 (Ita)
[Health and social problems of the 4th world] Piédrola Gil G. An R Acad Nac Med (Madr) 1985;102(3):247–70 (Spa)

HISTORY

Social problems in relation to medicine. By Richard Monahan. CMAJ 1911. Can Med Assoc J 1986 Apr 15; 134(8):953–5
"Crime, madness, and politics in modern France: the medical concept of national decline." By Robert A. Nye. Essay review. Coleman W. Isis 1985 Dec;76(284):587–90

LEGISLATION & JURISPRUDENCE

[Compulsory removal of children and adolescents from their homes. A study of all cases treated in the Municipality of Copenhagen in 1982] Holm K, et al. Ugeskr Laeger 1986 Jun 23;148(26):1624–6 (Eng. Abstr.) (Dan)

TRENDS

Assaultive violence as a contagious social process. Loftin

C. Bull NY Acad Med 1986 Jun;62(5):550–5

SOCIAL PSYCHIATRY see COMMUNITY PSYCHIATRY

SOCIAL PSYCHOLOGY see PSYCHOLOGY, SOCIAL

SOCIAL REINFORCEMENT see REINFORCEMENT, SOCIAL

SOCIAL RESPONSIBILITY

The failure to report child abuse [letter] Finkel KC. Am J Dis Child 1986 Apr;140(4):329–30

Human values and social responsibility: a response to Mr. Ward. Kilburn KH. Am J Ind Med 1986;9(1):25–7

Kelly v. Gwinnell: social host liability—how great a burden? Caron TG. Am J Law Med 1985;11(2):229–49

Adverse drug reactions. The clinician's role in reporting. DeSwarte RD, et al. Arch Intern Med 1986 Apr; 146(4):649–50

"The patient's interests always come first"? Doctors and society. Gillon R. Br Med J [Clin Res] 1986 Feb 8; 292(6517):398–400

The doctor, the patient, and their contract. I. The general practitioner's contract: why change it? Gray DP, et al. Br Med J [Clin Res] 1986 May 17;292(6531):1313–5

Medical education in geriatrics: ethical and social concerns. Freedman ML. Bull NY Acad Med 1985 Jul–Aug; 61(6):501–5

Smoking: the social issue [letter] Can Med Assoc J 1986 Jan 1;134(1):13–5

Contribution of pharmaceutical organizations to medical education and research in Kenya—which is the best way? [editorial] Lore W. East Afr Med J 1985 Nov;62(11):755–6

Individual vs aggregate good: ethical tension in nursing practice. Fry ST. Int J Nurs Stud 1985;22(4):303–10

'Justice'. Garzon N. Int Nurs Rev 1985 Sep–Oct;32(5):138–40

Self–esteem, types of attributional style and sensation and distress pain ratings in males. Feldman HR. J Adv Nurs 1986 Jan;11(1):75–86

Pathological gambling and criminal responsibility. Rachlin S, et al. J Forensic Sci 1986 Jan;31(1):235–40

Society's responsibility for health care of the indigent. Jones EI. J Natl Med Assoc 1986 Feb;78(2):95–6

Social responsibilities of nutritionists. Mayer J. J Nutr 1986 May;116(5):714–7

Social evaluation and the empathy–altruism hypothesis. Fultz J, et al. J Pers Soc Psychol 1986 Apr;50(4):761–9

Medical accountability. Black D. J R Coll Physicians Lond 1985 Oct;19(4):203–4

Whose responsibility? [letter] Gilman RA. J Thorac Cardiovasc Surg 1986 Mar;91(3):474–5

Toward the prevention of torture [editorial] Knoll E, et al. JAMA 1986 Jun 13;255(22):3157–8

A question of conscience. Physicians in defense of human rights. Nightingale EO, et al. JAMA 1986 May 23–30; 255(20):2794–7

Consent and responsibility in risk management. Ejvegård R, et al. Prog Clin Biol Res 1986;208:53–7

Quality assurance: corporate responsibility for multihospital systems. Donabedian A. QRB 1986 Jan;12(1):3–7

Grow old along with me! Knowles RC. SD J Med 1986 Jun;39(6):27–32

Symptoms, social stratification and self–responsibility for health in the United States and West Germany. Cockerham WC, et al. Soc Sci Med 1986;22(11):1263–71

Social ethics, the philosophy of medicine, and professional responsibility. Ozar DT. Theor Med 1985 Oct;6(3):281–94

[Development of a moral consciousness in medical education] Vykydal M, et al. Cesk Zdrav 1986 Jan;34(1):14–9 (Eng. Abstr.) (Cze)

[Responsibility of the dentist with regard to the provisions of the new accident insurance law] Wüthrich SS. Schweiz Monatsschr Zahnmed 1985 Oct;95 Spec No:895–9 (Eng. Abstr.) (Ger)

[First aid responsibility of the physician in Austria according to paragraph 95 of the penal code] Bauer G. Wien Med Wochenschr 1986 Feb 28;136(4):81–7 (Eng. Abstr.) (Ger)

[Health and responsibility] Niehoff JU, et al. Z Arztl Fortbild (Jena) 1985;79(10):453–5 (Ger)

[Medicolegal responsibility of the dentist in the use of local anesthesia] Robetti I, et al. Minerva Stomatol 1986 Mar; 35(3):221–4 (Eng. Abstr.) (Ita)

[Responsibility of the physician in performing a medical function] Stratone A, et al. Rev Med Chir Soc Med Nat Iasi 1985 Oct–Dec;89(4):750–2 (Rum)

[Loyalty to professional duty and the heroic traditions of the military medical service] Sinopal'nikov IV, et al. Voen Med Zh 1986 Jul;(7):18–21 (Rus)

SOCIAL SCIENCES

The role of social scientists in planning and implementing change in a medical center. Belville R, et al. Mt Sinai J Med (NY) 1985 Nov;52(9):724–9

Issues in social science and medicine in Papua New Guinea [editorial] Jenkins C. Papua New Guinea Med J 1985 Sep; 28(3):135–6

The social sciences in health policy and practice. van Etten G, et al. Soc Sci Med 1986;22(11):1187–94 (30 ref.)

EDUCATION

Problem–based learning of social sciences and humanities by fourth–year medical students. Colby KK, et al. J Med Educ 1986 May;61(5):413–5

Integration of the social and behavioral sciences into the core medicine clerkship. Sundance P, et al. J Med Educ 1985 Nov;60(11):881–3

SOCIAL SECURITY

No granny–bashing—yet. Michaelson J. Ala Med 1986 Feb; 55(8):7–8

The role of the primary physician in disability determination for Social Security insurance and workers' compensation. Carey TS, et al. Ann Intern Med 1986 May;104(5):706–10

Poverty and social welfare: an agenda for change. Meyer JA, et al. Inquiry 1986 Summer;23(2):122–33

The irreversible welfare state: its recent maturation, its encounter with the economic crisis, and its future prospects. Therborn G, et al. Int J Health Serv 1986;16(3):319–38

Disabilities, benefits, and disability benefits. Hirst MA. Int J Rehabil Res 1986;9(1):3–12

DSM–III diagnoses in Social Security disability applicants referred for psychiatric evaluation. Reich J. J Clin Psychiatry 1986 Feb;47(2):81–2

Factors related to psychiatric disability. Reich J. Soc Psychiatry 1986;21(1):15–6

Regional and state patterns of population change and benefit receipt, 1980–84. Soc Secur Bull 1986 Apr;49(4):12–20

Fast facts and figures about Social Security. Soc Secur Bull 1986 Jun;49(6):5–19

Social Security programs in the United States. Soc Secur Bull 1986 Jan;49(1):5–59

The role of research and statistics in the development of Social Security. Barron EW. Soc Secur Bull 1985 Nov; 48(11):5–21

Characteristics of supplemental security income recipients, December 1984. Kahn AL. Soc Secur Bull 1986 Apr; 49(4):5–11

Cash benefits for short–term sickness: thirty–five years of data, 1948–83. Price DN. Soc Secur Bull 1986 May; 49(5):5–19

Economic security, 1935–85. Reno VP, et al. Soc Secur Bull 1985 Dec;48(12):5–20

Overview of the Office of Research, Statistics, and International Policy functions. Ross JL. Soc Secur Bull 1985 Sep;48(9):5–9

Summaries of recent research. Sherman SR. Soc Secur Bull 1985 Nov;48(11):22–3

Home equity conversion plans as a source of retirement income. Springer PB. Soc Secur Bull 1985 Sep;48(9):10–9

Annual Statistical Supplement, 1984–85. Soc Secur Bull Annu Stat Suppl 1984–85;:1–275

A cost–benefit analysis of the Mexican Social Security Administration's family planning program. Nortman DL, et al. Stud Fam Plann 1986 Jan–Feb;17(1):1–6

[Current status and future of cooperation between physicians and social insurance and their partners from the hospital and general practice. Daily practice: problems and their solution] Eissenhauer W. Off Gesundheitswes 1985 Oct; 47(10):530–3 (Ger)

[Increase in the effectiveness of basic funds in public health and social service] Heinen K. Z Gesamte Hyg 1986 Apr; 32(4):215–22 (Ger)

[Work capacity and social security of women after radical treatment of cervical cancer] Artiushenko IuV. Akush Ginekol (Mosk) 1986 Feb;(2):51–3 (Eng. Abstr.) (Rus)

ECONOMICS

Actuarial status of the OASI and DI Trust Funds. Ballantyne HC. Soc Secur Bull 1986 Jul;49(7):5–9

HISTORY

Fifty years of Social Security. McSteen MA. Soc Secur Bull 1985 Aug;48(8):36–44

Fifty years ago. Price TE. Soc Secur Bull 1985 Aug;48(8):2–3

[100 years of social insurance legislation] Laumann M. Z Gesamte Hyg 1985 May;31(5):315–7 (Eng. Abstr.) (Ger)

LEGISLATION & JURISPRUDENCE

The disability benefits matrix: medico–legal issues of physician participation. Battista ME. Leg Med 1985;:367–93

Adult assistance programs under the Social Security Act. Grundmann HF. Soc Secur Bull 1985 Oct;48(10):10–21

Avoiding the inspector. Hadley J. Vet Rec 1985 Dec 21–28; 117(25–26):658

[Structure of the Federal Office for Social Insurance. Listing of the basic laws and providing disability insurance] Bugnion JP. Schweiz Rundsch Med Prax 1986 Mar 25; 75(13):353–6 (Eng. Abstr.) (Fre)

[Differences and change in insurance legal concepts in West Germany] Möllhoff G. Derm Beruf Umwelt 1985; 33(5):175–9 (Eng. Abstr.) (Ger)

[Forensic problems in the evaluation of lens damage in legal compensation] Mewe L. Fortschr Ophthalmol 1985; 82(5):478–80 (Eng. Abstr.) (Ger)

[Reasonableness of surgical interventions and compliance responsibilities in various insurance fields and under the social compensation law] Thomann H. Klin Monatsbl Augenheilkd 1986 Mar;188(3):251–5 (Eng. Abstr.) (Ger)

[The question of truth in social medicine expert evaluation] Grosspietzsch R, et al. Off Gesundheitswes 1986 Jun; 48(6):277–80 (Eng. Abstr.) (Ger)

[Paragraph 1236 RVO 1984 from the viewpoint of the cardiologic rehabilitation specialist] Halhuber MJ. Off Gesundheitswes 1986 Jan;48(1):15–8 (Eng. Abstr.) (Ger)

ORGANIZATION & ADMINISTRATION

Health sector structures: the case of Spain. de Miguel JM. Soc Sci Med 1986;22(2):233–46

[What is the Swiss Federal Social Insurance Office?] Bugnion JP. Z Unfallchir Versicherungsmed Berufskr 1985; 78(3):195–9 (Fre)

TRENDS

An overview of OASDI revenue, expenditures, and beneficiaries, 1974–85. Irick C. Soc Secur Bull 1986 Jun; 49(6):21–8

Unemployment insurance, then and now, 1935–85. Price DN. Soc Secur Bull 1985 Oct;48(10):22–32

UTILIZATION

[Utilization of health services in Social Security: the neurology and nephrology specialty in the Valencia Autonomous Community] Almenar Roig FD, et al. Actas Urol Esp 1985 Sep–Oct;9(5):375–80 (Eng. Abstr.) (Spa)

SOCIAL SERVICE see SOCIAL WORK

SOCIAL SERVICE, PSYCHIATRIC see SOCIAL WORK, PSYCHIATRIC

SOCIAL SUPPORT see under SOCIAL ENVIRONMENT

SOCIAL VALUES

Reality construction at the family/society interface: the internalization of family themes and values. Berg DH. Adolescence 1985 Fall;20(79):605–18

Unemployment and its impact on adolescent work values. Israelowitz RE, et al. Adolescence 1986 Spring;21(81):145–58

Adolescents' values, sexuality, and contraception in a rural New York county. McCormick N, et al. Adolescence 1985 Summer;20(78):385–95

Political orientation and occupational values of college youth, 1969 and 1981: a shift toward uniformity. McFalls JA Jr, et al. Adolescence 1985 Fall;20(79):697–713

Containment theory and juvenile delinquency: a reevaluation through factor analysis. Thompson WE, et al. Adolescence 1986 Summer;21(82):365–76

Human values and the judicial role: a response to Professor Schauer. Cottine BR. Am J Ind Med 1986;9(1):87–9

Human values and social responsibility: a response to Mr. Ward. Kilburn KH. Am J Ind Med 1986;9(1):25–7

Legal process and the identification of human values. Schauer F. Am J Ind Med 1986;9(1):75–85

Values and scientific assessment. Selikoff IJ. Am J Ind Med 1986;9(1):11–2

The moral, economic, and political status of labor in American society. Vidich AJ. Am J Ind Med 1986; 9(1):43–59

A businessman's view of occupational health and human values. Ward HH. Am J Ind Med 1986;9(1):15–24

Values, ethics, and morality in our future society. Lesse S. Am J Psychother 1985 Jul;39(3):297–300

Sexual scripts: permanence and change. Simon W, et al. Arch Sex Behav 1986 Apr;15(2):97–120

Attitudes and normative beliefs as predictors of smoking intentions and behaviours: a test of three models. Grube JW, et al. Br J Soc Psychol 1986 Jun;25 (Pt 2):81–93

Sex–role ideology among self–identified psychotherapists. Harper DW, et al. Can J Psychiatry 1985 Oct;30(6):422–5

The patrist drift. Waugh D. Can Med Assoc J 1986 Apr 1; 134(7):788

The negotiation of values in therapy. Aponte HJ. Fam Process 1985 Sep;24(3):323–38

The busy ethic: moral continuity between work and retirement. Ekerdt DJ. Gerontologist 1986 Jun;26(3):239–44

Value preferences for nursing home outcomes. Kane RL, et al. Gerontologist 1986 Jun;26(3):303–8

Aging and the baseline code: an alternative to the "normless elderly". Offenbacher DI, et al. Gerontologist 1985 Oct; 25(5):526–31

Health as a value: methodological and theoretical considerations. Lau RR, et al. Health Psychol 1986; 5(1):25–43

Frustration and values. Mozer JE. J Am Coll Dent 1985 Fall; 52(3):17–21

Affect and neutrality in physician behavior: a study of patients' values and satisfaction. DiMatteo MR, et al. J Behav Med 1985 Dec;8(4):397–409

Construction of social value or utility–based health indices: the usefulness of factorial experimental design plans. Cadman D, et al. J Chronic Dis 1986;39(8):643–51

Students' perceptions of values emphasized in three medical schools. Maheux B, et al. J Med Educ 1986 Apr; 61(4):308–16

The products of conception: the social context of reproductive choices. Rothman BK. **J Med Ethics** 1985 Dec;11(4):188–95

Professions as the conscience of society. Sieghart P. **J Med Ethics** 1985 Sep;11(3):117–22

Ethical conduct and values: a crisis in medicine [editorial] Bloch H. **J Natl Med Assoc** 1985 Nov;77(11):873–5

Societal hypocrisy helps to promote teenage pregnancy. Evans TE. **J Natl Med Assoc** 1986 May;78(5):361–4

Social contract and social integration in adolescent development. Hilles WS, et al. **J Pers Soc Psychol** 1985 Oct;49(4):1114–21

Emotional range and value orientation: toward a cognitive view of emotionality. Sommers S, et al. **J Pers Soc Psychol** 1986 Aug;51(2):417–22

Normative considerations in the labeling of harmful behavior as aggressive. DeRidder R. **J Soc Psychol** 1985 Oct; 125(5):659–66

Judgments of aggression by Sicilian observers. di Maria F, et al. **J Soc Psychol** 1986 Apr;126(2):187–96

The relation of twin infanticide to status of women, societal aggression, and material well-being. Lester D. **J Soc Psychol** 1986 Feb;126(1):57–9

Norms regarding drinking behavior in the business environment. Shore ER. **J Soc Psychol** 1985 Dec; 125(6):735–41

The values of volunteer benefactors. Williams RF. **Ment Retard** 1986 Jun;24(3):163–8

Values and structure in the German health care systems. Light DW. **Milbank Mem Fund Q** 1985 Fall;63(4):615–47

The law as an instrument of socialization and social structure. Melton GB, et al. **Nebr Symp Motiv** 1985;33:235–77

Shifting world views among nurses. Wuthnow SW. **Nurs Outlook** 1986 Jan–Feb;34(1):6–7

Determinants of health promotion activities in nursing clinic clients. Muhlenkamp AF, et al. **Nurs Res** 1985 Nov–Dec; 34(6):327–32

Psychiatry and social values: the American Psychiatric Association and immigration restriction, 1880–1930. Thielman SB. **Psychiatry** 1985 Nov;48(4):299–310

Arthur Schnitzler and the fate of mothers in Vienna. Bolkosky S. **Psychoanal Rev** 1986 Spring;73(1):1–15

Modal personality and values of medical students. Di Renzo GJ. **Psychol Rep** 1986 Feb;58(1):33–4

Values of entering nursing students: changes over 10 years. Garvin BJ, et al. **Res Nurs Health** 1985 Sep;8(3):235–41

For better and worse: the technological imperative in health care. Barger-Lux MJ, et al. **Soc Sci Med** 1986; 22(12):1313–20

Teaching medical students the effects of values and stereotyping on the doctor/patient relationship. Kurtz ME, et al. **Soc Sci Med** 1985;21(9):1043–7

[Social representations of alcohol in children and adolescents] Weiss W. **Soz Praventivmed** 1985;30(6):329–32 (Eng. Abstr.) **(Fre)**

[Change in values and language] Maier H. **Langenbecks Arch Chir** 1985;366:681–92 **(Ger)**

[Values, ethical positions and attitudes of candidates for a lawyer career] Migone de Faletty RC, et al. **Acta Psiquiatr Psicol Am Lat** 1985 Mar;31(1):43–52 (Eng. Abstr.) **(Spa)**

SOCIAL WELFARE

Corporate health care and social welfare. Stoesz D. **Health Soc Work** 1986 Summer;11(3):165–72

Thoughts on old age and the welfare state. Political economy, history, and health policy. Cole TR. **J Am Geriatr Soc** 1985 Dec;33(12):869–73

Age and dependency: children and the aged in American social policy. Axinn J, et al. **Milbank Mem Fund Q** 1985 Fall;63(4):648–70

[Physician and social insurance] Schuler C. **Ther Umsch** 1985 Sep;42(9):568–71 (Eng. Abstr.) **(Ger)**

LEGISLATION & JURISPRUDENCE

Privatization and protective services for the elderly: some observations on the economics of the aging process. Gordon RM, et al. **Int J Law Psychiatry** 1986;8(3):311–25

TRENDS

The Reagan-era shift toward restrictiveness in old age policy in historical perspective. Powell LA, et al. **Int J Aging Hum Dev** 1985;21(2):81–6

Medical care in the welfare state: a cross-national study of public evaluations. Pescosolido BA, et al. **J Health Soc Behav** 1985 Dec;26(4):276–97

Statement on national health policy. Ministry of Health and Family Welfare, Government of India, New Delhi, 1982. **J Public Health Policy** 1986 Summer;7(2):248–64

Toynbee Hall: opposition and response. Vinten G. **J R Soc Health** 1986 Feb;106(1):30–3

[Elderly persons in the system of closed social welfare] Sygit M. **Wiad Lek** 1986 Jan 1;39(1):65–70 (Eng. Abstr.) **(Pol)**

SOCIAL WORK

see related
COMMUNITY HEALTH SERVICES

The role of social work in rehabilitating people with disabilities. Ell K. **Annu Rev Rehabil** 1985;4:145–79 (205 ref.)

Conflicting needs and interests of researchers and service providers in child sexual abuse cases. Coulter ML, et al. **Child Abuse Negl** 1985;9(4):535–42

Clinicians and caseworkers: issues in consultation and collaboration regarding protective service clients. Molin R, et al. **Child Abuse Negl** 1986;10(2):201–10

Project MAIN: classwork in the community benefits senior citizens. Blake GF. **Child Today** 1986 Jul–Aug;15(4):31–4

Cooperative adoption: an alternative to independent adoption. Wells K, et al. **Child Welfare** 1986 Mar–Apr; 65(2):177–88

The role of social work in contemporary home care planning. Sharp JW, et al. **Cleve Clin Q** 1985 Fall;52(3):355–8

Social workers' and general practitioners' attitudes towards child-rearing environments—traditional or non-traditional? Baum FE. **Community Health Stud** 1986; 10(2):132–46

Assistance to the new Russian elderly. Gelfand DE. **Gerontologist** 1986 Aug;26(4):444–8

A nutrition training program for social workers serving the homebound elderly. Glanz K, et al. **Gerontologist** 1985 Oct; 25(5):455–9

Publicity is not a dirty word [editorial] **Health Soc Work** 1986 Summer;11(3):162–3

Rural health promotion: bailiwick for social work. Bender C, et al. **Health Soc Work** 1986 Winter;11(1):52–8

The many faces of violence [editorial] Berkman B. **Health Soc Work** 1986 Spring;11(2):82–3

Establishing a hospital's employee assistance program. Lesser JG, et al. **Health Soc Work** 1986 Spring;11(2):126–32

Elder abuse: ethical and practical dilemmas for social work. Matiaw JR, et al. **Health Soc Work** 1986 Spring;11(2):85–94

Preventing tobacco use among young people. Schinke SP, et al. **Health Soc Work** 1986 Winter;11(1):59–65

Working with medicated clients: a primer for social workers. Wise MG. **Health Soc Work** 1986 Winter;11(1):36–41

Adolescent suicidal and self-destructive behavior. Results of an intervention study. Deykin EY, et al. **J Adolesc Health Care** 1986 Mar;7(2):88–95

The young handicapped: overlooked and undercared for [editorial] **Lancet** 1986 May 17;1(8490):1131–2

Prevention or cure for child abuse [editorial] Cohen J. **Practitioner** 1986 Jul;230(1417):607, 609

College students' perceptions of psychiatrists, psychologists, and social workers: a comparison. Alperin RM, et al. **Psychol Rep** 1985 Oct;57(2):547–8

The role of the medical social worker in a hospital. Muller RG. **S Afr Med J** 1986 Jun 7;69(12):726

Emergency care. Identification of psychosocial problems. Olsson M, et al. **Scand J Soc Med** 1986;14(2):87–91

The health of clients referred to social workers in an intake team. Corney RH. **Soc Sci Med** 1985;21(8):873–8

The proper contributions of social workers in health practice. Huntington J. **Soc Sci Med** 1986;22(11):1151–60 (87 ref.)

The drama of discharge: worker/supervisor perspectives. Bennett C, et al. **Soc Work Health Care** 1986 Spring; 11(3):1–12

Telling the diagnosis: implications for social work practice. Gantt AB, et al. **Soc Work Health Care** 1985–86 Winter; 11(2):101–10

A survey of patient and family satisfaction with social work services. Garber L, et al. **Soc Work Health Care** 1986 Spring;11(3):13–23

Identifying potential family practice social work opportunities. Green GJ, et al. **Soc Work Health Care** 1986 Spring;11(3):89–97

[Children aged 3 to 7 with Down's syndrome and their contact with the social and health services in the course of a year] Goldstein H, et al. **Ugeskr Laeger** 1985 Aug 5;147(32):2545–9 (Eng. Abstr.) **(Dan)**

[Can the action of the social worker lead to child abuse?] Marneffe C, et al. **Child Abuse Negl** 1985;9(3):353–7 (Eng. Abstr.) **(Fre)**

[The hospitalized drug addict. Social assistance and therapeutic care] Carapezzi C, et al. **Minerva Med** 1986 May 19;77(21):927–32 (Eng. Abstr.) **(Ita)**

ECONOMICS

Joint finance and planning using a fresh approach. Algie J, et al. **J R Soc Health** 1986 Aug;106(4):130–2, 140

One year of health and social services for children 3–7 years old with Down syndrome. A calculation of costs in two Danish counties. Goldstein H, et al. **Soc Psychiatry** 1986; 21(3):134–8

EDUCATION

A national profile of child welfare workers and supervisors. Vinokur-Kaplan D, et al. **Child Welfare** 1986 Jul–Aug; 65(4):323–35

The application of social work skills in gerontology education. Spence DL, et al. **Geroantol Geriatr Educ** 1985 Fall;6(1):73–82

The AHEC contribution to social work education. Diliberto RA. **Public Health Rep** 1986 Mar–Apr;101(2):187–91

Social work training for orthodontists. Schwartz S. **Soc Work Health Care** 1985–86 Winter;11(2):111–6

METHODS

A service for problem families. Polnay L. **Arch Dis Child** 1985 Sep;60(9):887–90

Cultural responsiveness and social work practice: an Indian clinic's success. Yuki T. **Health Soc Work** 1986 Summer; 11(3):223–9

ORGANIZATION & ADMINISTRATION

Medical care organization and the social service connection. Rehr H. **Health Soc Work** 1985 Fall;10(4):245–57

A social services-public health partnership in child protection: a rural model. Saunders EJ, et al. **Public Health Rep** 1985 Nov–Dec;100(6):663–6

STANDARDS

The emergence of bioethics in social work. Reamer FG. **Health Soc Work** 1985 Fall;10(4):271–81

TRENDS

Highlights of a decade. Carlton TO. **Health Soc Work** 1985 Fall;10(4):308–12

Research and practice an ongoing relationship. Coulton CJ. **Health Soc Work** 1985 Fall;10(4):282–91

Health policy and social workers in health: past, present, and future. Kane RA. **Health Soc Work** 1985 Fall; 10(4):258–70

Responsiveness to need: social work's impact on health care. Kerson TS. **Health Soc Work** 1985 Fall;10(4):300–7

Changing patient populations: considerations for service delivery. McKinney EA, et al. **Health Soc Work** 1985 Fall; 10(4):292–9

Social work in family practice: what are the prospects? Greene GJ, et al. **Soc Work Health Care** 1985 Fall; 11(1):45–62

[Social work in the Berlin public health service] Reinicke P. **Off Gesundheitswes** 1986 Mar;48(3):133–9 (Eng. Abstr.) **(Ger)**

[Experiences with the follow-up patient care at the Berlin-Steglitz health department] Sawatzki K, et al. **Off Gesundheitswes** 1986 Jul;48(7):342–6 (Eng. Abstr.) **(Ger)**

UTILIZATION

Utilization by family physicians of support services for elderly patients. Yeo G, et al. **J Fam Pract** 1986 May; 22(5):431–4

SOCIAL WORK DEPARTMENT, HOSPITAL see under **HOSPITAL DEPARTMENTS**

SOCIAL WORK, PSYCHIATRIC

Social work with psychiatric inpatients with CNS dysfunction. Clinger SK. **Bull Menninger Clin** 1986 Jan; 50(1):58–63

Myocardial infarction patients in the acute care hospital: a conceptual framework for social work intervention. Sulman J, et al. **Soc Work Health Care** 1985 Fall;11(1):1–20

[Longitudinal study in psychiatry: special role of the social worker] Gabel M. **Psychiatr Enfant** 1985;28(2):513–67 **(Fre)**

[Role of the social worker in pediatric neuropsychiatry] Nikolić V. **Psychiatr Neurol Med Psychol Beih** 1968; 8–9:176–84 (Eng. Abstr.) **(Ger)**

[Tasks within the scope of psychosocial treatment of suicidal patients: crisis intervention and social help, psychiatric evaluation and after care] Sonneck G. **Verh Dtsch Ges Inn Med** 1985;91:323–8 **(Ger)**

[The social worker and the relational perspective. Reflections of a training group] Bertini S, et al. **Minerva Psichiatr** 1985 Jul–Sep;26(3):271–2 **(Ita)**

[The social worker and the relational systems perspective. Reflections and experiences] Campanini AM. **Minerva Psichiatr** 1985 Jul–Sep;26(3):253–5 **(Ita)**

[Social and psychological aspects of rehabilitation treatment] Petukhov VA, et al. **Sov Zdravookhr** 1985;(11):42–4 **(Rus)**

ECONOMICS

[Cost-benefit evaluation of a social psychiatric service] Hess D, et al. **Nervenarzt** 1986 Apr;57(4):204–13 **(Ger)**

EDUCATION

The psychiatric emergency service as a setting for social work training. Walsh SF. **Soc Work Health Care** 1985 Fall; 11(1):21–31

TRENDS

[Psychosocial services of the city of Herne 1980–1984] Brandenburg A, et al. **Off Gesundheitswes** 1985 Oct; 47(10):519–23 **(Ger)**

SOCIAL WORKERS see **SOCIAL WORK**

SOCIALISM

Socialism and environment protection. Ermakov VV, et al. **Sante Publique (Bucur)** 1985;28(2):101–12

Soviet health care—a great socialist achievement of the workers in the country of developed socialism. Ermakov VV, et al. **Sante Publique (Bucur)** 1985;28(1):31–41

Reforming health care in Hungary. Cászti L, et al.

Soc Sci Med 1985;21(8):849–55

[The nature of socialistic health protection] Grohs N, et al. Z Arztl Fortbild (Jena) 1986;80(9):385–8 (Ger)

[Production methods and health protection of the population—an objective dialectic unit in a socialistic social order] Keck A. Z Arztl Fortbild (Jena) 1986;80(1):35–8 (Ger)

[Perceptibility of the world and current questions of scientific development] Schubert U, et al. Z Arztl Fortbild (Jena) 1986;80(4):183–5 (Ger)

[The Marxist human image, the dialectic of individuality and society and problems of socialist health protection] Straass G. Z Arztl Fortbild (Jena) 1986;80(2):79–82 (Ger)

[Social development and scientific view of life] Straass G. Z Arztl Fortbild (Jena) 1985;79(10):457–60 (Ger)

[The social health concept in the light of the present-day ideological struggle] Vladimirova LI, et al. Sov Med 1986;(6):59–66 (Rus)

[Medicine and the socioeconomic progress of society] Tsaregorodtsev GI. Vestn Akad Med Nauk SSSR 1986;(6):4–10 (Rus)

[Factors affecting personality development of the socialist physician at medical schools] Filip M. Cesk Zdrav 1986 Feb;34(2):55–61 (Eng. Abstr.) (Slo)

HISTORY

[In the spirit of the revolution (editorial)] Somogyi E. Orv Hetil 1985 Nov 3;126(44):2695–6 (Hun)

SOCIALIZATION

see related
CHILD REARING
PARENT-CHILD RELATIONS
PERSONALITY DEVELOPMENT

Reality construction at the family/society interface: the internalization of family themes and values. Berg DH. Adolescence 1985 Fall;20(79):605–18

Containment theory and juvenile delinquency: a reevaluation through factor analysis. Thompson WE, et al. Adolescence 1986 Summer;21(82):365–76

Effects of childhood relationships on the adult's capacity to form social supports. Flaherty JA, et al. Am J Psychiatry 1986 Jul;143(7):851–5

The Thompson-Patterson Scale of Psychosocial Development: II. Investigation of its use in the assessment of preschool children. Hoffer M, et al. Can J Psychiatry 1986 Jun;31(5):398–406

Socialization scores in psychiatric patients and their implications for the diagnosis of personality disorders. Standage K. Can J Psychiatry 1986 Mar;31(2):138–41

The Thompson-Patterson Scale of Psychosocial Development: I. Theoretical basis. Thompson MG, et al. Can J Psychiatry 1986 Jun;31(5):387–97

The patient's socialization in the community and school during therapy. Spinetta JJ, et al. Cancer 1986 Jul 15;58(2 Suppl):512–5

Emotion socialization and expressive development in preterm and full-term infants. Malatesta CZ, et al. Child Dev 1986 Apr;57(2):316–30

Sheep in wolf's clothing: impact of normalisation teaching on human services and service providers. Baldwin S. Int J Rehabil Res 1985;8(2):131–42

Parent-child factors in gender role socialization in girls. Williams K, et al. J Am Acad Child Psychiatry 1985 Nov;24(6):720–31

Students in transition: imitators of role models. Betz CL. J Nurs Educ 1985 Sep;24(7):301–3

Peer review—a process of socialization. Hickey M. J Nurs Educ 1986 Feb;25(2):69–71

New faculty in nursing: socialization and the role of the mentor. Megel ME. J Nurs Educ 1985 Sep;24(7):303–6

The law as an instrument of socialization and social structure. Melton GB, et al. Nebr Symp Motiv 1985;33:235–77

Medical school socialization and the new physician: role, status, adjustments, personal problems, and social identity. Bynum J, et al. Psychol Rep 1985 Aug;57(1):182

Social nature of human being and theoretical synthesis in medicine. Zhirnov VD. Sante Publique (Bucur) 1985;28(2):91–9

Agency and communion in three generations of women and their relation to socialization. von der Lippe AL. Scand J Psychol 1985;26(4):289–304

Pathways to patienthood: sick role and labeling perspectives. Meile RL. Soc Sci Med 1986;22(1):35–40

[The psychosocial development of the child] Dopchie N. Arch Belg 1985;43(5–8):236–9 (Fre)

[Social and psychological development of the child in the context of an unstable family] Sand EA. Arch Belg 1985;43(5–8):198–209 (Fre)

[Psychosocial aspects of infantile epilepsy] Lerman P. Rev Med Suisse Romande 1985 Nov;105(11):1003–7 (Fre)

[Physiology and pathology of juvenile social development from the pediatrician's viewpoint] Hellbrügge T. Monatsschr Kinderheilkd 1985 Jun;133(6):429–36 (Ger)

[The beginning of social integration after birth. Crisis or continuity?] Papoušek H, et al. Monatsschr Kinderheilkd 1985 Jun;133(6):425–9 (Ger)

SOCIALIZED DENTISTRY see STATE DENTISTRY

SOCIALIZED MEDICINE see STATE MEDICINE

SOCIETIES

see related
LIBRARY ASSOCIATIONS

Letters concerning HR 1309, "The High Risk Occupational Disease Notification and Prevention Act of 1985" [letter] Am Ind Hyg Assoc J 1986 May;47(5):A316, A318

1984 annual report of the American Association of Poison Control Centers National Data Collection System. Litovitz T, et al. Am J Emerg Med 1985 Sep;3(5):423–50

1985 Annual Report of the American Association of Poison Control Centers National Data Collection System. Litovitz TL, et al. Am J Emerg Med 1986 Sep;4(5):427–58

Professional services programs accredited by the Professional Services Board and those in the accreditation process May 1, 1986. ASHA 1986 Jun;28(6):65–8

Asking questions. Flower RM. ASHA 1985 Dec;27(12):21–5

ASHA interviews Kenneth O. Johnson [interview by Russel L. Malone] Johnson KO. ASHA 1985 Sep;27(9):25–9

A political profile of the American Speech-Language-Hearing Association. Kingsley RP. ASHA 1985 Nov;27(11):27–30

Smoking and health [letter] Watkins JL. Can Med Assoc J 1985 Oct 15;133(8):734

HCMR interview: D. Kirk Oglesby [interview by Montague Brown] Oglesby DK Jr. Health Care Manage Rev 1985 Winter;10(1):91–5

What is the Society for Public Health Education if not an open society? SOPHE presidential address 1984. Green LW. Health Educ Q 1985 Winter;12(4):285–92

One voice for health education: can this be achieved? Taub A. Health Educ Q 1985 Winter;12(4):293–301

Involving dietetic students and interns in dietetic association activities. Mattfeldt-Beman M, et al. J Am Diet Assoc 1986 Jul;86(7):942–4

The analytical world: institutions and limitations. Meltzer D. J Anal Psychol 1986 Jul;31(3):263–5

Report of the 1984 ASHA membership survey. Olsen LK, et al. J Sch Health 1986 Apr;56(4):142–5

For sixty years in service to dentistry. The New York Dental Laboratory Guild. Wilde A. NY J Dent 1986 Mar;56(2):56–7

Origin of Ben Hecht's "X Club" [letter]Lewy RB. Pharos 1986 Winter;49(1):37

The 1985 Presidential address. Richardson RW. Phys Ther 1985 Nov;65(11):1687–9

Humane Society fires animal rights activist [news] Holden C. Science 1986 Aug 29;233(4767):935

Teratology society, 1985–1986. Teratology 1985 Dec;32(3):497–516

Who we are: the political origins of the medical humanities. Fox DM. Theor Med 1985 Oct;6(3):327–41

[Physicians against the nuclear threat (editorial)] Moroz BB. Patol Fiziol Eksp Ter 1985 Sep-Oct;(5):3–9 (Rus)

HISTORY

Diversity and professionalism in American medical history: the AAHM in the 1980s. Cassedy JH. Bull Hist Med 1985 Fall;59(3):390–4

The Society for the Study of Addiction: temperance, treatment or tolerance? (1930–1961). Ettorre EM. Drug Alcohol Depend 1985 Sep;16(1):51–60

The British Dietetic Association—50 years on. Elliot ET. Hum Nutr Appl Nutr 1986 Feb;40(1):1–4

Advocacy or folly: the Alleged Lunatics' Friend Society, 1845–63. Hervey N. Med Hist 1986 Jul;30(3):245–75

[Development of the Swiss military veterinary service with special reference to relations with the Association of Central Switzerland Veterinarians] Blättler J. Schweiz Arch Tierheilkd 1985 Sep;127(9):605–15 (Eng. Abstr.) (Ger)

[The Altai Society of Pharmacologists over the past 20 years] Briukhanov VM. Farmakol Toksikol 1985 Jul-Aug;48(4):123–4 (Rus)

ORGANIZATION & ADMINISTRATION

The evolution of quality assurance professionals in Australia. Aust Clin Rev 1986 Mar;6(20):46–8

Metro groups focus on regional purchasing needs. Cherskov M. Hospitals 1986 Aug 20;60(16):88

SOCIETIES, DENTAL

The New York Academy of Dentistry Fellowship List 1984–85. Ann Dent 1984 Winter;43(2):22–30

The New York Academy of Dentistry fellowship list 1983–84. Ann Dent 1983 Winter;42(2):66–74

The New York Academy of Dentistry fellowship list 1982–83. Ann Dent 1982 Winter;41(2):50–8

The New York Academy of Dentistry. Fellowship list 1985–86. Ann Dent 1985 Winter;44(2):34–42

The ADA Acceptance Programme for products prepared by ADA Tariffs, Instruments, Materials and Equipment Committee. Aust Dent J 1986 Apr;31(2):135–7

The best kept secret in dentistry. Seward M. Br Dent J 1986 Apr 19;160(8):303–7

George C. Paffenbarger's name inscribed on the Mace. Rovelstad GH. J Am Coll Dent 1985 Winter;52(4):4–5

Honorary Fellowship for Gerhard M. Brauer. Wasserman A. J Am Coll Dent 1985 Winter;52(4):8

Dentistry on stamps. Loevy HT, et al. J Am Dent Assoc 1985 Dec;111(6):1019

Proceedings of the sixty-third AADS annual session. J Dent Educ 1986 Jul;50(7):346–442

[French Society of Orthodontics. Directory] Orthod Fr 1983;54(2):211–22 (Fre)

[French Society of Orthodontics] Orthod Fr 1984;55(2):355–79 (Fre)

[The Société Suisse d'Odonto-stomatologie: taking stock of a century and a look into the future] Fisch M. Schweiz Monatsschr Zahnmed 1986;Spec No:9–15 (Ger)

[The influence and cooperation of the Société Suisse d'Odonto-stomatologie in dental education] Maeglin B, et al. Schweiz Monatsschr Zahnmed 1986;Spec No:55–72 (Ger)

[Economic protection] Willi O. Schweiz Monatsschr Zahnmed 1986;Spec No:210–3 (Ger)

[Prevention—the main task of dentists. The decision of the 17th Plenum of the Board of the All-Union Society of Dentists] Stomatologiia (Mosk) 1985 Sep-Oct;64(5):4–5 (Rus)

HISTORY

[SSO (Société Suisse d'Odonto-stomatologie) 1886–1986] Schweiz Monatsschr Zahnmed 1986;Spec No:1–258 (Fre, Ger)

[The extramural relations of the Société Suisse d'Odonto-stomatologie throughout its existence] Baume LJ. Schweiz Monatsschr Zahnmed 1986;Spec No:187–96 (Fre)

[Development of dental medicine in Switzerland—reflections perceived through the periodical literature edited by the Société Suisse d'Odonto-stomatologie from 1891 to 1960] Held AJ. Schweiz Monatsschr Zahnmed 1986;Spec No:113–32 (Fre)

[The Société Suisse d'Odonto-stomatologie: taking stock of a century and a look into the future] Fisch M. Schweiz Monatsschr Zahnmed 1986;Spec No:9–15 (Ger)

[The influence of the Société Suisse d'Odonto-stomatologie on practice management demonstrated by the history of ergonomics in Switzerland] Lombard F. Schweiz Monatsschr Zahnmed 1986;Spec No:205–9 (Ger)

[Wirtschaftliches Bulletin (1923–1952), Bulletin für Standesfragen (1953–1986)—reflections on the history of the Société Suisse d'Odonto-stomatologie] Plattner FA. Schweiz Monatsschr Zahnmed 1986;Spec No:219–24 (Ger)

[Table of the chronology of the Société Suisse d'Odonto-stomatologie] Plattner FA. Schweiz Monatsschr Zahnmed 1986;Spec No:246–58 (Ger)

ORGANIZATION & ADMINISTRATION

The DSSNY dues increase: a crucial need. Jones SS. NY State Dent J 1986 Feb;52(2):46–7

A formula for DSSNY survival. Linz AM. NY State Dent J 1986 May;52(5):6–7

[The sections of the Société Suisse d'Odonto-stomatologie—their creation and their development] Culand H, et al. Schweiz Monatsschr Zahnmed 1986;Spec No:155–78 (Fre)

[Membership development of the Société Suisse d'Odonto-stomatologie] Weber A. Schweiz Monatsschr Zahnmed 1986;Spec No:214–8 (Ger)

[The Société Suisse d'Odonto-stomatologie and its committees] Weber A. Schweiz Monatsschr Zahnmed 1986;Spec No:179–86 (Ger)

TRENDS

[Information as an instrument of professional policy] Jäger P. Schweiz Monatsschr Zahnmed 1986;Spec No:197–204 (Ger)

SOCIETIES, HOSPITAL see under SOCIETIES

SOCIETIES, MEDICAL

Officers of the European Association of Neurosurgical Societies and members of its committees. Officers of its member societies. 1985. Acta Neurochir (Wien) 1985;78(3–4):177–81

The Fleischner Society glossary: critique and revisions. Austin J, et al. AJR 1985 Nov;145(5):1096–8

Radiology, it's not the same! ARRS presidential address. Wiot JF. AJR 1986 Aug;147(2):417–9

An exit interview with Alice Chenault [interview by James F. Gauthier] Chenault A. Ala Med 1985 Sep;55(3):40–1, 44–5, 47

ACEP and academics [letter] Am J Emerg Med 1985 Nov;3(6):578–80

Gastroenterology and the American College: a 25-year evolution. Jacobs WH. Am J Gastroenterol 1986 Mar;81(3):213–7

Taking care of ourselves as health care providers. Gilfoyle EM. Am J Occup Ther 1986 Jun;40(6):387–9

Developing ACOG district and section computer science committees. Local framework for definition and solution of information processing needs. Stoneburner LL. Am J Perinatol 1986 Apr;3(2):139–40

Presidential address of the American Orthopaedic Society for Sports Medicine. A commitment to education. Allen WC. **Am J Sports Med** 1985 Nov-Dec;13(6):373-6

Presidential address. The Society for Clinical Vascular Surgery: a review and preview. McKittrick JE. **Am J Surg** 1986 Aug;152(2):154-6

Emergency care guidelines (revised) American College of Emergency Physicians. **Ann Emerg Med** 1986 Apr; 15(4):486-90

ACEP leaders as expert witnesses [letter] **Ann Emerg Med** 1986 Jul;15(7):869-71

The National Association of EMS physicians [editorial] Krome RL. **Ann Emerg Med** 1986 Jul;15(7):864

Regional societies of plastic surgeons: why? [editorial] Courtiss EH. **Ann Plast Surg** 1985 Aug;15(2):87-9

ARA presidential address. A time for change and a time to remain the same. Tan EM. **Arthritis Rheum** 1985 Nov; 28(11):1201-4

Another year of progress. Crane L. **Arthroscopy** 1986; 2(2):90-2

Politics, ethics and the Royal Australian College of Ophthalmologists. Keldoulis T. **Aust N Z J Ophthalmol** 1986 Feb;14(1):1-4

The College, surgical research, and the journal [editorial] Bennett RC. **Aust NZ J Surg** 1986 Aug;56(8):605-6

American Association of Avian Pathologists awards. **Avian Dis** 1985 Oct-Dec;29(4):897-903

A century for the MDU [editorial] **Br Med J [Clin Res]** 1985 Oct 19;291(6502):1071-2

The MRC and informed consent [editorial] Glover J. **Br Med J [Clin Res]** 1986 Jul 19;293(6540):157-8

The Scandinavian Neuropaediatric Society. The Society's history and present status. Melchior JC. **Brain Dev** 1985; 7(5):545-8

Psychiatry and social challenge. Brown WT. **Can J Psychiatry** 1985 Dec;30(8):559-65

Symposium on surgical manpower in the smaller community. The Canadian Association of General Surgeons and the community surgeon. Railton RH. **Can J Surg** 1986 May; 29(3):174-5

Drinking and driving. **Can Med Assoc J** 1985 Oct 15; 133(8):806A, 806B **(Eng, Fre)**

CMA issues call for action to deal with malpractice insurance "crisis".Geekie DA, et al. **Can Med Assoc J** 1986 Jul 15; 135(2):145-9

CMA's policy summaries [letter] Geekie DA. **Can Med Assoc J** 1985 Oct 15;133(8):723

OMA General Secretary Dr. Edward Moran talks about Bill 94. Ontario Medical Association [interview] Moran E. **Can Med Assoc J** 1986 May 1;134(9):1044-5, 1048-9, 1051

Policy-making: a CMA raison d'être [letter] Pomsford G. **Can Med Assoc J** 1986 Apr 1;134(7):701, 704

CMA archives: keeping history alive. Radford TC. **Can Med Assoc J** 1986 Mar 15;134(6):648-9

The Canadian Medical Association membership survey: opinions on issues facing the medical profession. Southall HA. **Can Med Assoc J** 1985 Nov 15;133(10):1029-39

CMA president-elect will apply Mennonite principles. Woods D. **Can Med Assoc J** 1986 Aug 1;135(3):230-1

Directory. The Shock Society. **Circ Shock** 1986; 18(4):384-424

The Dowling Club 1983-1984. Rowland Payne CM, et al. **Clin Exp Dermatol** 1986 Mar;11(2):195-7

Colorado Medical Society. Physician's directory 1985-1986. **Colo Med** 1986 Apr 15;83(7):1-162

Women and organized medicine. Callan CM. **Conn Med** 1986 Jul;50(7):475-6

IPAs...still a controversy. Alvarez DA. **Del Med J** 1985 Oct; 57(10):619-20

Orgiastic ADA meetings [letter] Arky RA. **Diabetes Care** 1986 Jul-Aug;9(4):432

Presidential address. Opportunity, experience, judgment--in changing times. Marino AW Jr. **Dis Colon Rectum** 1985 Sep;28(9):637-8

International Society for Experimental Hematology. 8 April 1986. Membership roster. **Exp Hematol** 1986 Jul; 14(6):570-611

The expanding scope of the American Fertility Society. Wallach EE. **Fertil Steril** 1985 Dec;44(6):740-3

Changes in gastroenterology 1960-1985: lessons from the past and implications for the future. Greenberger NJ. **Gastroenterology** 1985 Nov;89(5):933-8

American Gastroenterological Association: results of a membership poll. Switz DM. **Gastroenterology** 1986 Feb; 90(2):482-5

Presidential address 1985. The A/S/G/E--problems, progress, and promise. Schapiro M. **Gastrointest Endosc** 1985 Oct;31(5):299-301

Medical societies forming HMOs. Traska MR. **Hospitals** 1986 Jun 5;60(11):72

Should ISMA form a union? A message from the Executive Director. Foy DF. **Indiana Med** 1986 Jan;79(1):45-6

A report from the Trustees of the American Board of Radiology. Brady LW, et al. **Int J Radiat Oncol Biol Phys** 1986 Jun;12(6):993-5

The ACR--past and present imperatives. Dodd GD. **Invest Radiol** 1985 Dec;20(9):894-5

On the importance of networking. Battle CU. **J Am Med Wom Assoc** 1986 Jul-Aug;41(4):101, 126

The AVMA model of US veterinary medical manpower supply. Mara PA, et al. **J Am Vet Med Assoc** 1986 Jun 15;188(12):1378-85

More on representation of private practitioners [letter] Menning EL. **J Am Vet Med Assoc** 1985 Sep 1;187(5):458-9

Leaders and leadership: tomorrow's American Orthopaedic Association. Evarts CM. **J Bone Joint Surg [Am]** 1985 Oct; 67(8):1298-302

Resource allocation and the needs of orthopedic surgeons--the Academy's role. Thompson RC Jr. **J Bone Joint Surg [Am]** 1986 Apr;68(4):479-82

Presidential address: Australian Orthopaedic Association. Gilmour WN. **J Bone Joint Surg [Br]** 1986 Mar; 68(2):329-32

The elements of power. **J Fla Med Assoc** 1986 Apr; 73(4):329-34

One hundred tenth annual meeting Florida Medical Association, Inc. Lake Buena Vista, May 2-6, 1984. **J Fla Med Assoc** 1984 Aug;71(8):531-621

Wither we goest? Notes of a society watcher plus other comments and thoughts. Schiff GM. **J Lab Clin Med** 1986 Jul;108(1):3-6

Association of American Medical Colleges. Annual Meeting and Annual Report, 1985. **J Med Educ** 1986 Mar; 61(3):193-271

My last editorial as President of the AAMC [editorial] Cooper JA. **J Med Educ** 1986 Aug;61(8):653-4

Coggeshall revisited: a reaffirmation of the AAMC's purpose. Mellinkoff SM. **J Med Educ** 1986 Feb;61(2):96-9

My first editorial as president of the AAMC [editorial] Petersdorf RG. **J Med Educ** 1986 Sep;61(9 Pt 1):775

National Medical Association: provider/advocate for the consumers of health care for the minority community. Jones EI. **J Natl Med Assoc** 1986 Mar;78(3):175-6

President's farewell address. Reflections on the past year. Smith PM. **J Natl Med Assoc** 1986 Jan;78(1):25-6

The American Board of Nuclear Medicine, Inc.: Fifteen years of growth and progress [editorial] Ross JF. **J Nucl Med** 1986 Jun;27(6):861-2

Preventing the final epidemic: the role of the American Public Health Association and the International Epidemiological Association. **J Public Health Policy** 1986 Spring;7(1):7-11

1983 AAGL survey. Professional profile of the membership. AAGL Research and Survey Committee. Hulka JF, et al. **J Reprod Med** 1985 Sep;30(9):640-2

The past, the present and the future. The 1985 AAGL presidential address. American Association of Gynecologic Laparoscopists. Yuzpe AA. **J Reprod Med** 1986 Jul; 31(7):573-6

The Archives of Surgery, New England Surgical Society, and JAMA [editorial] Baue AE. **JAMA** 1986 Apr 25; 255(16):2210-1

The American College of Surgeons and surgical education. Longmire WP Jr. **Jpn J Surg** 1985 Sep;15(5):327-32

Constitution and by-laws. Kansas Medical Society. May 1985. **Kans Med** 1985 Dec;86(12):346-64

The election of a president [editorial] **Lancet** 1985 Nov 2; 2(8462):988-9

Directory of otolaryngologic societies. **Laryngoscope** 1986 Jul;96(7):814-6

Directory of Otolaryngologic Societies. **Laryngoscope** 1986 Mar;96(3):329-30

Supporting Maryland physicians: the Med-Chi staff. Lehman E. **Md Med J** 1985 Sep;34(9):900-12

Policy statements on smoking [editorial] Bury G. **Med J Aust** 1986 Jan 6;144(1):4-5

Thoracic Society of Australia. Smoking control policy. Musk AW, et al. **Med J Aust** 1986 Jan 6;144(1):28-9

A brief history and overview of the Association of Teachers of Preventive Medicine. Scutchfield FD, et al. **Med Teach** 1985;7(1):99-103

Associations can hire PSG's administrative services. Greenhoe SW. **Mich Med** 1986 Jul;85(7):368

Collection service and credit card program trim receivables. Greenhoe SW. **Mich Med** 1986 Jul;85(7):365-6

Anatomy of a practice consultation. Marr J. **Mich Med** 1986 Jul;85(7):363-4

Helping impaired physicians the goal of MSMS program. Marr J. **Mich Med** 1985 Aug;84(8):424, 426

Magnetic resonance imaging: interview with the Minnesota Radiological Society. **Minn Med** 1986 Jul;69(7):415-6

Chilean physicians. Campaign against torture grows [news] Beardsley T. **Nature** 1986 Jun 5-11;321(6070):551

Roster. North Carolina Medical Society. 1986-1987. **NC Med J** 1986 Aug;47(8):1-247

Roster. North Carolina Medical Society 1985-1986. **NC Med J** 1985 Aug;46(8):1-289

Farewell address: The changing scene. Fioretti RJ. **NJ Med** 1986 Jun;83(6):373-4

Inaugural address: Medicine today. Schauer EA. **NJ Med** 1986 Jun;83(6):369-71

Should the Medical Society of the State of New York form a union? Foy DF. **NY State J Med** 1986 Jun;86(6):288-9

Efforts of the Medical Society of the State of New York to effect medical liability reform. O'Keeffe DF. **NY State J Med** 1986 Jul;86(7):339-41

Amnesty International medical group [letter] Bailey WJ. **NZ Med J** 1986 Mar 12;99(797):166

Ethics and the American Academy of Ophthalmology [editorial] Bettman JW. **Ophthalmic Surg** 1986 May; 17(5):271

Academy advisory opinions on the code of ethics. American Academy of Ophthalmology. **Ophthalmology** 1986 May; 93(5):709-16

American Academy of Ophthalmology continuing education programs and services. **Ophthalmology** 1985 Aug;92(8 Suppl):87-94

Pennsylvania Medical Society. 1985 membership directory. **Pa Med** 1985 Aug;88(8):1-210

Directory, 1986. **Pa Med** 1986 Aug;89(8):1-209

Recommendations of the NASPE computer committee. Bernstein AD, et al. **PACE** 1986 Mar;9(2):158-63

American Academy of Pediatrics. Committee on School Health, Committee on Infectious Diseases. School attendance of children and adolescents with human T lymphotropic virus III/lymphadenopathy-associated virus infection. **Pediatrics** 1986 Mar;77(3):430-2

President's message: The state of the American Academy of Pediatrics: 1985. Haggerty RJ. **Pediatrics** 1986 Mar; 77(3):409-12

American Academy of Pediatrics and Child Abuse [letter] Smith MH, et al. **Pediatrics** 1986 Mar;77(3):433-4

Society for Experimental Biology & Medicine. 1986 membership directory. **Proc Soc Exp Biol Med** 1985 Dec; 180(3):D13-105

Health for all in 2000: the contribution of your professional body. Jordan RM. **Radiography** 1986 Mar-Apr; 52(602):97-8

Petersdorf to head medical colleges [news] Culliton BJ. **Science** 1986 Aug 8;233(4764):615-6

South Dakota State Medical Association roster--1985. **SD J Med** 1985 Aug;38(8):45-53

Medical oncology manpower training: a position statement of the American Society of Clinical Oncology. Kennedy BJ, et al. **Semin Oncol** 1985 Dec;12(4):xxv-xxvi

Officers--Southern Medical Association 1985-1986. **South Med J** 1986 Jun;79(6):783-6

Competence and quality assurance in medicine. Young MG. **Tex Med** 1986 Aug;82(8):64-8

RCVS Bristol meeting [letter] **Vet Rec** 1986 Jul 26;119(4):99

RVC medical associations [letter] Carter H. **Vet Rec** 1986 Jul 26;119(4):99-100

The future of the BVA [letter] Wilson J. **Vet Rec** 1985 Nov 23;117(21):563-4

Presidential address. Roncaglione CJ. **W Va Med J** 1985 Oct; 81(10):213-7

State Medical Society of Wisconsin. 1986 Membership Directory as of July 1, 1986. **Wis Med J** 1986 Jul;85(7):108 p.

[Activity of the Czech Medical Society in 1984] Homolka J. **Cas Lek Cesk** 1985 Nov 8;124(45):1377-82 **(Cze)**

[Scandinavia's voice among European physicians] Holst E. **Tidsskr Nor Laegeforen** 1986 May 25;106(14):1196-202 **(Dan)**

[Belgian Society of Hand Surgery " Belgian hand group". 1985 list of members] **Ann Chir Main** 1985;4(4):351-2 **(Fre)**

[French Society of Hand Surgery (GEM). 1985 list of members] **Ann Chir Main** 1985;4(4):348-51 **(Fre)**

[Swiss Society of Hand Surgery. 1985 list of members] **Ann Chir Main** 1985;4(4):352-3 **(Fre)**

[Canadian Society of Hand Surgery "Manus". 1984 list of members] **Ann Chir Main** 1985;4(4):354 **(Fre)**

[French Society of Anesthesia and Resuscitation. List of members as of January 1, 1985] **Ann Fr Anesth Reanim** 1985;4(5 Suppl):1-49 **(Fre)**

[Hospital Medical Society of Paris. 1986. List of members] **Ann Med Interne (Paris)** 1986;137(2):174-80 **(Fre)**

[The Academy of Medicine of France: history and activities. Remarks and reflections] Chadli A. **Arch Inst Pasteur Tunis** 1984 Jun-Sep;61(2-3):251-5 (Eng. Abstr.) **(Fre)**

[List of the members of the French College of Vascular Pathology. January 1986] **J Mal Vasc** 1986;11(1):103-12 **(Fre)**

[French Society of Medical Radiology. 1985 directory] **J Radiol** 1985 Oct;66(10):615-44 **(Fre)**

[The symbol of the French Society of Phlebology] Ouvry P. **Phlebologie** 1986 Jan-Mar;39(1):VII-X **(Fre)**

[French Society of Orthopedic and Traumatologic Surgery. Membership list] **Rev Chir Orthop** 1985;71 Suppl 1:17-71 **(Fre)**

[French Language Society of Pneumology. List of members (1986)] **Rev Mal Respir** 1986;3(2 Suppl):1-19 **(Fre)**

[French Neurology Society. List of members (1986)] **Rev Neurol (Paris)** 1986;142(1):70-85 **(Fre)**

[French Rheumatology Society] **Rev Rhum Mal Osteoartic** 1985 Dec;52(12):713-28 **(Fre)**

[Recommendations by the Society for Anesthesiology and Intensive care of East Germany and the Society for Nephrology of East Germany on the conditioning of organ donors for kidney transplantation] Precht K, et al. **Anaesthesiol Reanim** 1985;10(3):175-6 **(Ger)**

[Occupational fields and professional opportunities of German gerontologists--a report based on a survey of the members of the German Society for Gerontology] Dieck M, et al. **Z Gerontol** 1986 Jan-Feb;19(1):65-72 (Eng. Abstr.) **(Ger)**

[Importance and duties of the Scientific Society for Medical Ethics (letter)] Adám G. **Orv Hetil** 1986 May 25; 127(21):1291-93 **(Hun)**

[Trends in the progress of Japanese nuclear medicine and comparison with the European trends--with special reference to number of oral presentations at the annual meetings of the Japanese Society of Nuclear Medicine] Takei H. **Kaku Igaku** 1986 Mar;23(3):305-14 **(Jpn)**

[The medical society's role in the development of the health system] Aubert AB. **Tidsskr Nor Laegeforen** 1986 May 25; 106(14):1209–19 (Nor)

[Council for medical ethics 1961–86] Enger E, et al. **Tidsskr Nor Laegeforen** 1986 May 25;106(14):1240–9 (Nor)

[Soria Moria—a dream becomes reality] Harlem OK. **Tidsskr Nor Laegeforen** 1986 May 25;106(14):1227–9 (Nor)

[The Norwegian Medical Association as a negotiating organization] Strand S, et al. **Tidsskr Nor Laegeforen** 1986 May 25;106(14):1230–9 (Nor)

[Role of the Polish Society of Hematologists and Transfusionists in the organization of prospective multi-center clinical programs with regard to the optimal treatment of neoplastic diseases of the hematopoietic system] Holowiecki J. **Przegl Lek** 1986;43(2):281–2 (Pol)

[Basic problems of public health in the Polish People's Republic and the role of scientific societies in their solution] Janecki J. **Przegl Lek** 1986;43(2):254–8 (Pol)

[Role and tasks of the Polish Society of Laboratory Diagnosis in the prevention of metabolic diseases of civilization] Nowacki G, et al. **Przegl Lek** 1986;43(2):271–2 (Pol)

[Role of the Polish Phthisiopneumological Society in the prevention of tuberculosis and lung diseases] Pichulowa K, et al. **Przegl Lek** 1986;43(2):273–5 (Pol)

[Increased role of pathologists in the professional training of young scientists and specialists] Paukov VS. **Arkh Patol** 1986;48(4):9–13 (Rus)

[Participation of Komsomol members and the youth in the development of medical science and public health] Martynenko AV. **Sov Zdravookhr** 1985;(7):7–10 (Rus)

[Soviet physicians in the campaign for peace] Emel'ianova GF, et al. **Vrach Delo** 1986 Jan;(1):7–11 (Rus)

[Activity of the Slovak Medical Society in 1984 and its goals for 1985] Mariányi J. **Cas Lek Cesk** 1985 Oct 18; 124(41–42):1265–74 (Slo)

[The scientific societies and the hospital situation] **Rev Med Chil** 1985 Aug;113(8):813–6 (Eng. Abstr.) (Spa)

HISTORY

The Belgian Society of Cardiology and its role in the development of international cardiology. Lequime J. **Acta Cardiol (Brux)** 1985;40(5):501–10

Ward Burdick Award lecture: The history of the ASCP annual fall anatomic pathology slide seminar. Stevenson GF. **Am J Clin Pathol** 1986 Mar;85(3):259–68

The British Society for Dermatopathology. Smith NP. **Am J Dermatopathol** 1985 Oct;7(5):431–2

Retrospective on artificial organs and the role of the Transactions—American Society for Artificial Internal Organs. Kolff WJ. **Artif Organs** 1986 Aug;10(4):263–5

The technological Transactions. Leonard EF. **Artif Organs** 1986 Aug;10(4):331–43 (144 ref.)

The impact of the Transactions—American Society for Artificial Internal Organs. Maher JF. **Artif Organs** 1986 Aug;10(4):257–60

Two centuries of medical benevolence: the Norfolk and Norwich Benevolent Medical Society 1786–1986. Shaw AB. **Br Med J [Clin Res]** 1986 Apr 19;292(6527):1066–7

Inauguration of the Canadian Ophthalmological Society, Société canadienne d'ophtalmologie. Shirley SY. **Can J Ophthalmol** 1986 Jun;21(4):122–4

The Canadian Psychiatric Association: from 1975 to 1985. Greben SE. **Can J Psychiatry** 1985 Oct;30(6):393–4

Opening of the Lionel Memorial Auditorium. Uragoda CG. **Ceylon Med J** 1984 Dec;29(4):225–7

Festschrift. 20 years European Society for Surgical Research. **Eur Surg Res** 1986;18(3–4):137–276

European Society for Surgical Research. Bénichoux R. **Eur Surg Res** 1986;18(3–4):139–44

Some remarks concerning bureaucracy and medicine. Ackerknecht EH. **Gesnerus** 1985;42(3–4):221–8

Nullius in verba: lupus at the Royal Society. Weissmann G. **Hosp Pract [Off]** 1985 Nov 15;20(11):176–7, 180–4, 189–90

History of the Journal of the American Optometric Association. Christensen JL. **J Am Optom Assoc** 1985 Nov; 56(11):852–8

American Society of Andrology. Its beginnings. Rosemberg E. **J Androl** 1986 Jan–Feb;7(1):72–5

ASCO—as a young adult. Durant JR. **J Clin Oncol** 1986 Sep;4(9):1431–5

A look over my shoulder at the NMA in general and the Obstetrics and Gynecology Section in particular. Weekes LR. **J Natl Med Assoc** 1985 Dec;77(12):1022–6

The South Carolina Medical Association and the State Board of Medical Examiners: an historical perspective. Baker SL. **J SC Med Assoc** 1986 Jan;82(1):29–31

The contribution of the Society of Occupational Medicine to occupational health practice 1935–1985. Carter JT. **J Soc Occup Med** 1985;:4–22

The formation of the first black medical society [letter] Albert BL. **JAMA** 1986 Feb 7;255(5):613

A.S.P.E.N.: the genesis. Seltzer MH. **JPEN J Parenter Enteral Nutr** 1986 Jan–Feb;10(1):9–16

Illustrations from the Wellcome Institute Library. Medical Society of London Library. Freeman EJ. **Med Hist** 1985 Oct;29(4):433–7

The Association of American Physicians celebrates its centennial [editorial] Relman AS. **N Engl J Med** 1986 Apr 24;314(17):1112–3

The history of medical malpractice in New York State. A perspective from the publications of the Medical Society of the State of New York. Cirincione S. **NY State J Med** 1986 Jul;86(7):361–9

History and future plans of the Detroit Physiological Society. Lam CR, et al. **Physiologist** 1985 Aug;28(4):233–5

History of the American Association of Plastic Surgeons, 1979–1985. Williams BH. **Plast Reconstr Surg** 1986 Mar; 77(3):486–94

Psychiatry and social values: the American Psychiatric Association and immigration restriction, 1880–1930. Thielman SB. **Psychiatry** 1985 Nov;48(4):299–310

Ex Errato Lux. Concept and development of the Verhoeff Society. Tso MO, et al. **Surv Ophthalmol** 1986 Mar–Apr; 30(5):337–40

Hungarian medical societies in the 19th/20th century (until 1945). Kapronczay K. **Ther Hung** 1983;31(4):181–3

Report of the Bicentennial Program Planning Committee and New Century Fund. Coriell LL. **Trans Stud Coll Physicians Phila** 1986 Mar;8(1):1–6

Architectural concepts in 1909 and their influence on the College building design. Kling VG. **Trans Stud Coll Physicians Phila** 1986 Jun;8(2):75–87

[40 years in the development of physiology in Czechoslovakia] Trojan S, et al. **Cas Lek Cesk** 1985 Nov 29;124(48):1499–500 (Cze)

[Origins, ways and goals of the Association of German Radiation Protection Physicians] Beck HR. **Strahlenschutz Forsch Prax** 1985;26:xx–xxii (Ger)

[External and internal changes in the German Society of Pathology] Bässler R. **Verh Dtsch Ges Pathol** 1985; 69:XXX–XLVII (Ger)

[The Berlin medical faculty and its contribution to the new foundation of medical and scientific societies after 1945] Schneck P. **Z Gesamte Hyg** 1986 Mar;32(3):198–200 (Eng. Abstr.) (Ger)

[History of the International Association for Child and Adolescent Psychiatry and Allied Professions (IACAP & AP)] Caplan G, et al. **Z Kinder Jugendpsychiatr** 1985; 13(4):382–91 (Ger)

[In memory of the National Society for Public Health] Kapronczay K. **Orv Hetil** 1986 Jul 13;127(28):1713–4, 1717 (Hun)

[Sándor Ferenczi and the Hungarian Medical Society] Kiss G, et al. **Orv Hetil** 1986 Jan 26;127(4):222–3 (Hun)

[The Norwegian Medical Society's presidents through 100 years] **Tidsskr Nor Laegeforen** 1986 May 25; 106(14):1276–81 (Nor)

[The Norwegian Medical Society's secretariat] Bjercke O, et al. **Tidsskr Nor Laegeforen** 1986 May 25;106(14):1260–8 (Nor)

[Founding and organization of the Polish Society of Epidemiologists and Infectious Disease Specialists (on the 25th anniversary 1958–1983)] Juszczyk J. **Przegl Epidemiol** 1985;39(2):280–6 (Eng. Abstr.) (Pol)

[The Portuguese Society of Cardio-Thoracic and Vascular Surgery. Its origin and future] da Costa JC. **Acta Med Port** 1985 Jun;6(6):202–6 (Por)

[75th anniversary of the Leningrad Society of Pathologic Anatomists] Khmel'nitskii OK, et al. **Arkh Patol** 1985; 47(10):79–83 (Eng. Abstr.) (Rus)

[Participation of pathologists in the activities of the Vilnius Medical Society (on the 25th anniversary of the Vilnius Society of Pathologists)] Ptashekas RS, et al. **Arkh Patol** 1986;48(4):84–6 (Rus)

[50th anniversary of the Ukrainian Republic Society of Surgeons] Shalimov AA, et al. **Klin Khir** 1986;(6):1–5 (Rus)

[100th anniversary of the Leningrad Scientific Society of Pediatric Physicians] Evdokimov IK, et al. **Pediatriia** 1985 Dec;(12):3–7 (Rus)

[N.I. Pirogov and the revolutionary democrats in Russia] Kotel'nikov VP. **Sov Zdravookhr** 1986;(4):63–6 (Rus)

[Role of A.Ia. Krassovskii in organizing the Society of Russian Physicians in memory of N.I. Pirogov (on the centenary of the first Pirogov convention)] Verbitskii VM, et al. **Sov Zdravookhr** 1986;(1):57–9 (Rus)

[60th anniversary of the Rostov Society of Forensic Physicians] Akopov VI. **Sud Med Ekspert** 1985 Oct–Dec; 28(4):57 (Rus)

[History of the creation and chief stages in the activity of the A. M. Pospelov Moscow Scientific Society of Dermatologists and Venereologists (on the occasion of the 800th plenary session)] Kalamkarian AA, et al. **Vestn Dermatol Venerol** 1986;(2):76–80 (Rus)

[30th anniversary of the activities of the Society of Oncologists of Leningrad and Leningrad Province (1954–1984)] Mel'nikov RA, et al. **Vopr Onkol** 1985; 31(12):92–5 (Rus)

[The Association of Croatian Physicians from its restoration to the present] Perlić N, et al. **Lijec Vjesn** 1986 Jan; 108(1):12–20 (Eng. Abstr.) (Scr)

["It happened 75 years ago". The Spanish Association of Urology founded 19 January 1911] Inasusti Cordón JL. **Actas Urol Esp** 1986 Jan–Feb;10(1):1–4 (Spa)

LEGISLATION & JURISPRUDENCE

Does the college have the authority to search and seize your patient files? Goldman B. **Can Med Assoc J** 1986 Aug 15; 135(4):351–4

ORGANIZATION & ADMINISTRATION

Academic organization. The future is now [editorial] White JD. **Am J Emerg Med** 1986 Mar;4(2):193–4

A tribute to the founder of the ISAO—Dr. Yukihiko Nosé. Kolff WJ. **Artif Organs** 1986 Apr;10(2):100–1

Coming of age [editorial] Popper H. **Hepatology** 1985 Nov–Dec;5(6):1224–6

AVMA House of Delegates: democracy in action [editorial] West RL. **J Am Vet Med Assoc** 1986 Jun 15;188(12):1366–7

The vascular societies—how involved should they be? DeWeese JA. **J Vasc Surg** 1986 Jan;3(1):1–9

New Zealand Medical Association—a voluntary body or compulsory membership? Caudwell RP. **NZ Med J** 1985 Nov 27;98(791):1000–1

New Zealand Medical Association compulsory membership. Cole D. **NZ Med J** 1986 Jul 9;99(805):496–9

Lay involvement in professional bodies. Judd P. **NZ Med J** 1986 Jul 9;99(805):499–501

[The start of the Life Support Technology Society] Funakubo H. **Iyodenshi To Seitai Kogaku** 1985 Sep; 23(5):342–3 (Jpn)

[Physicians and the medical society] Fugelli P. **Tidsskr Nor Laegeforen** 1986 May 25;106(14):1250–6 (Nor)

[Complex creative youth collective. Work experience] Khvisiuk NI, et al. **Ortop Travmatol Protez** 1985 Aug; (8):60–2 (Rus)

[10-year experience with the work of the Irkutsk Scientific Educational and Practical Society] Zyrianova TD, et al. **Ortop Travmatol Protez** 1986 May;(5):43–4 (Rus)

[Problems of the social development of medical associations] Andreev NV, et al. **Sov Zdravookhr** 1986;(1):31–4 (Eng. Abstr.) (Rus)

TRENDS

The American Urological Association: 1984–1985. Mason JT. **J Urol** 1985 Nov;134(5):860–1

[20 years of community health in the medical scientific society] Grahneis H. **Z Gesamte Hyg** 1985 Oct; 31(10):608–10 (Ger)

[Future considerations] Lund BL. **Tidsskr Nor Laegeforen** 1986 May 25;106(14):1272–5 (Nor)

SOCIETIES, NURSING

The education of nurses: a new dispensation. The report of the RCN Commission on Nursing Education [editorial] Rye DH. **J Adv Nurs** 1985 Nov;10(6):505–6

HISTORY

An historical review of positions in baccalaureate education in nursing as basic preparation for professional nursing practice 1960–1984. Blaney DR. **J Nurs Educ** 1986 May; 25(5):182–5

ORGANIZATION & ADMINISTRATION

The nursing profession does not need two Federations [editorial] Palmer PN. **AORN J** 1986 Apr;43(4):784, 786

SOCIETIES, PHARMACEUTICAL

Roster of residents completing ASHP-accredited programs in calendar year 1986. American Society of Hospital Pharmacists. **Am J Hosp Pharm** 1986 May;43(5):1259–64

Public relations campaign to promote pharmacy in North Carolina. Garcia LT, et al. **Am J Hosp Pharm** 1986 Apr; 43(4):953–5

ASHP's position on direct-to-consumer advertising of prescription drug products. Pierpaoli PG. **Am J Hosp Pharm** 1986 Jul;43(7):1763–5

Why join the APhA–PAC? **Am Pharm** 1986 Mar;NS26(3):5–9

APhA's response to HCFA's pharmacists incentive program. **Am Pharm** 1986 Mar;NS26(3):62–5, 68–70

Executive summary—APhA commission on third party programs. **Am Pharm** 1986 Apr;NS26(4):49–54, 56–8

A new perspective on policy and its development. Nyberg BE. **Am Pharm** 1986 Mar;NS26(3):77, 80–1

Professional development through involvement. Salamido GJ. **Am Pharm** 1986 Mar;NS26(3):82–3

APhA: on the move. Schlegel JF. **Am Pharm** 1986 Jun; NS26(6):37–9

The importance of PACs. Vander Jagt G. **Am Pharm** 1986 Mar;NS26(3):7

[Role of the Pharmacological Society in the prevention of excessive drug use] Chodera A, et al. **Przegl Lek** 1986; 43(2):267–8 (Pol)

[Role of the Polish Pharmaceutical Society in studying environmental pollution] Oledzka R. **Przegl Lek** 1986; 43(2):265–6 (Pol)

HISTORY

[Activity of the Czechoslovak Pharmaceutical Society in 1984] Solich J, et al. **Cesk Farm** 1985 Sep;34(7):257–66 (Cze)

SOCIETIES, SCIENTIFIC

American Association of Physical Anthropologists. Membership list. **Am J Phys Anthropol** 1985 Dec; 68(4):581–95

ISBT's Munich report available [letter] Lewis M. **Can Med Assoc J** 1985 Nov 1;133(9):844
Reference materials for clinical enzymology: the work of the Community Bureau of Reference of the European Community. Moss DW, et al. **Clin Chem** 1986 Mar; 32(3):556–8
Canadian Society for Clinical Investigation representation to the Eastman Commission: research and development in the pharmaceutical industry—a Sisyphyian tale. MacLeod SM. **Clin Invest Med** 1986;9(2):133–6
Organization and functions of the AVMA. Tennyson AV. **J Am Vet Med Assoc** 1986 Apr 1;188(7):686–9
Presidential address. The American Society of Parasitologists: its historic role and modern opportunities. Hoogstraal H. **J Parasitol** 1985 Dec;71(6):685–92
Current policies and research organizations relating to international scientific collaboration. Evered DC. **Perspect Biol Med** 1986 Spring;29(3 Pt 2):S34–7
The role of European Molecular Biology Organization (EMBO) and European Molecular Biology Conference (EMBC) in European Molecular Biology (1970–1983). Tooze J. **Perspect Biol Med** 1986 Spring;29(3 Pt 2):S38–46
Society for Experimental Biology & Medicine. 1986 membership directory. **Proc Soc Exp Biol Med** 1985 Dec; 180(3):D13–105
Nutrition report and the Academy [letter] **Science** 1985 Dec 20;230(4732):1324–6, 1410
A critical look at our adolescence: notes on turning 18 (and 75). Berman AL. **Suicide Life Threat Behav** 1986 Spring; 16(1):1–12
[Creation and activities of an international working group on Trypanosoma evansi infections] Touratier L. **Rev Elev Med Vet Pays Trop** 1984;37 Spec No:313–4 **(Fre)**

HISTORY

The Warsaw Society of the Friends of Sciences (WTPN). Michalski J. **Mater Med Pol** 1986 Jan–Mar;18(1):44–8
[Czechoslovak physiology 1945–85] Trojan S, et al. **Cesk Fysiol** 1985;34(6):481–2 **(Cze)**

ORGANIZATION & ADMINISTRATION

The International Association of Environmental Mutagen Societies (IAEMS). Sobels F. **Teratogenesis Carcinog Mutagen** 1985;5(6):441–4

SOCIOECONOMIC FACTORS

The influence of socioeconomic factors on blood pressure control during a community-based hypertension control programme. Nissinen A, et al. **Acta Cardiol (Brux)** 1986; 41(2):99–109
Atherosclerosis precursors in Finnish children and adolescents. IX. Socioeconomic status and risk factors of coronary heart disease. Byckling T, et al. **Acta Paediatr Scand [Suppl]** 1985;318:155–67
Socio-demographic factors of depressive illness among Nigerians. Ihezue UH, et al. **Acta Psychiatr Scand** 1986 Feb;73(2):128–32
General and specific self-esteem in late adolescent students: race x gender x SES effects. Richman CL, et al. **Adolescence** 1985 Fall;20(79):556–66
Transition to manhood: effects of the Great Depression on male youth. Scheibach M. **Adolescence** 1985 Fall; 20(79):725–44
Vulnerability to economic stress. Aldwin CM, et al. **Am J Community Psychol** 1986 Apr;14(2):161–75
Health—ill health in the rich and the poor [letter] Walker AR. **Am J Dis Child** 1986 May;140(5):409
The perinatal and economic impact of prenatal care in a low-socioeconomic population. Moore TR, et al. **Am J Obstet Gynecol** 1986 Jan;154(1):29–33
Socio-economic status and fertility of couples examined for infertility, social status and fertility. Bostofte E, et al. **Andrologia** 1985 Nov–Dec;17(6):564–9
The influence of some socio-demographic factors on body weight and stature of 6–18 years old boys from Cairo, Egypt. el-Nofely A. **Anthropol Anz** 1985 Sep;43(3):245–56
Socioeconomic factors and physical activity in relation to cardiovascular disease and death. A 12 year follow up of participants in a population study of women in Gothenburg, Sweden. Lapidus L, et al. **Br Heart J** 1986 Mar; 55(3):295–301
Socioeconomic disparities in risk factors for cardiovascular disease. Millar WJ, et al. **Can Med Assoc J** 1986 Jan 15; 134(2):127–32
Occupation and education in relation to risk factors of ischaemic heart disease in the male industrial population. Simon J, et al. **Cor Vasa** 1986;28(3):167–76
Spatial variation in migration processes and development: a Costa Rican example of conventional modeling augmented by the expansion method. Brown LA, et al. **Demography** 1985 Aug;22(3):327–52
Normal gross motor development: the influences of race, sex and socio-economic status. Capute AJ, et al. **Dev Med Child Neurol** 1985 Oct;27(5):635–43
Mothers and newborns: dyadic interactions in different socio-economic groups in Israel. Rosenthal MK. **Early Hum Dev** 1985 Oct;12(1):61–70
Influence of social factors on lead exposure and child development. Bornschein RL. **Environ Health Perspect** 1985 Oct;62:343–51
Formaldehyde, cancer, and social class [letter] Levine RJ. **Environ Health Perspect** 1985 Oct;62:465–6
A sociological perspective on nutrition research among the elderly: toward conceptual development. Calasanti TM, et al. **Gerontologist** 1986 Jun;26(3):232–8
A sociodemographic analysis of preventive dental behavior among white American families. Chen M. **Health Educ Q** 1986 Summer;13(2):105–15
Social and demographic factors influencing the acceptability of injectable method for contraception in comparison with copper 'T' I.U.D. Goraya R, et al. **Indian J Med Sci** 1985 Jul;39(7):172–4
Socio-biological parameters in relation to permanent sterilisation of parents. Gupta KL, et al. **Indian J Pediatr** 1985 Nov–Dec;52(419):655–61
Alcohol use and alcoholism in Latin America: changing patterns and sociocultural explanations. Coombs DW, et al. **Int J Addict** 1986 Jan;21(1):59–81
Narcotic drug abuse in 152 countries: social and economic conditions as predictors. Smart RG, et al. **Int J Addict** 1985 May;20(5):737–49
The demographic characteristics of pregnant women infected with cytomegalovirus. Griffiths P, et al. **Int J Epidemiol** 1985 Sep;14(3):447–52
Further correlates of problem drinking in Northern Ireland from a population study. MacKenzie G, et al. **Int J Epidemiol** 1985 Sep;14(3):410–4
Adequacy of chronic peritoneal dialysis in low socioeconomic class uremic children. Muñoz-Arizpe R, et al. **Int J Pediatr Nephrol** 1986 Apr–Jun;7(2):81–4
Socio-economic status and mental disorder—profile of a Nigerian psychiatric inpatient population. Ihezue UH, et al. **Int J Soc Psychiatry** 1986 Spring;32(1):29–38
Breast-feeding practices in a low-income population in New York City: a study of selected health department child health stations. Biegelson D, et al. **J Am Diet Assoc** 1986 Jan;86(1):90–1
Environmental and other factors influencing fertility in Sri Lanka. Fernando DF. **J Biosoc Sci** 1986 Apr;18(2):209–14
Socioeconomic status and the prevalence of clinical gallbladder disease. Diehl AK, et al. **J Chronic Dis** 1985; 38(12):1019–26
National study of the effects of clients' socioeconomic status on clinical psychologists' professional judgments. Sutton RG, et al. **J Consult Clin Psychol** 1986 Apr;54(2):275–6
Medicare reform: social and ethical perspectives. Bayer R, et al. **J Health Polit Policy Law** 1985 Fall;10(3):533–47
Hardship and depression. Ross CE, et al. **J Health Soc Behav** 1985 Dec;26(4):312–27
Race and socioeconomic status in medical school choice and indebtedness. Bazzoli GJ, et al. **J Med Educ** 1986 Apr; 61(4):285–92
Psychosocial factors influencing American men and women in their decision for sterilization. Burnell GM, et al. **J Psychol** 1986 Mar;120(2):113–9
Socioeconomic and cultural implications of health interventions: the case of smoking in Ethiopia. Kitaw Y. **J Public Health Policy** 1986 Summer;7(2):198–204
Family influence on incidence of intestinal parasites among Nigerian children. Adekunle LV, et al. **J R Soc Health** 1986 Apr;106(2):66–8
The relation of twin infanticide to status of women, societal aggression, and material well-being. Lester D. **J Soc Psychol** 1986 Feb;126(1):57–9
Personal and social difficulties faced by women and men entering alcoholism treatment. Beckman LJ, et al. **J Stud Alcohol** 1986 Mar;47(2):135–45
Alcohol availability, alcohol consumption and alcohol-related damage. II. The role of sociodemographic factors. Gliksman L, et al. **J Stud Alcohol** 1986 Jan; 47(1):11–8
Someplace to go. Fried R. **Ohio State Med J** 1986 Mar; 82(3):149, 151
Affluent malnutrition. The new American social illness. Fried RI. **Ohio State Med J** 1985 Dec;81(12):847–9
Socioeconomic status and education as risk determinants of gastrointestinal cancer. Pukkala E, et al. **Prev Med** 1986 Mar;15(2):127–38
Socioeconomic factors and burn rates in persons hospitalized for burns in Massachusetts. Locke JA, et al. **Public Health Rep** 1986 Jul–Aug;101(4):389–95
Socio-environmental factors and lung function. Steinberg M, et al. **S Afr Med J** 1986 Aug 30;70(5):270–4 (42 ref.)
Socioeconomic status and infant mortality among Hispanics in a southwestern city. Levin JS, et al. **Soc Biol** 1985 Spring–Summer;32(1–2):61–4
Heavy users of an emergency department: psycho-social and medical characteristics, other health care contacts and the effect of a hospital social worker intervention. Andrén KG, et al. **Soc Sci Med** 1985;21(7):761–70
Landholding, wealth and risk of blinding malnutrition in rural Bangladeshi households. Cohen N, et al. **Soc Sci Med** 1985; 21(11):1269–72
Maternal sociomedical characteristics and birth weights of firstborns. Hoff C, et al. **Soc Sci Med** 1985;21(7):775–83
Ischemic heart disease and regional variations of socio-cultural characteristics in Belgium. Lagasse R, et al. **Soc Sci Med** 1986;22(9):901–13
Socio-economic status differences in health. Lemkow L. **Soc Sci Med** 1986;22(11):1257–62 (32 ref.)
Socio-economic conditions in childhood and mortality and morbidity caused by coronary heart disease in adulthood in rural Finland. Notkola V, et al. **Soc Sci Med** 1985; 21(5):517–23
Sex discrimination, mortality tables, and pensions: improving the economic status of older women. Heen ML. **Women Health** 1986 Spring;11(1):119–31
[Socioeconomic aspects of health care in the modern world] Kociánová H. **Cas Lek Cesk** 1986 Jul 4;125(27):825–30 (Eng. Abstr.) **(Cze)**
[Poisoning in childhood from the viewpoint of the social pediatrician] Březina Z, et al. **Cesk Zdrav** 1985 Sep; 33(8–9):391–4 (Eng. Abstr.) **(Cze)**
[Analysis of the relation of total specific mortality to various conditions of the economic and social environment] Drbal C, et al. **Cesk Zdrav** 1986 Mar;34(3):100–7 (Eng. Abstr.) **(Cze)**
[Approach to the socioeconomic determinants of metabolic equilibrium in diabetic children and adolescents] Flori YA, et al. **Cah Sociol Demogr Med** 1985 Jul–Sep;25(3):221–39 **(Fre)**
[Social disparities in medical consumption] Serange-Fonterme R. **Soc Sci Med** 1985;21(2):103–13 (Eng. Abstr.) **(Fre)**
[Submitting to disease, controlling disease, industrialization and medical technology: the case of tuberculosis] Thebaud A, et al. **Soc Sci Med** 1985;21(2):129–37 (Eng. Abstr.) **(Fre)**
[Greece and the European Economic Community: relations between mortality rates by cause and indices of development] Velonakis E, et al. **Soz Praventivmed** 1986; 31(3):178–82 (Eng. Abstr.) **(Fre)**
[Epidemiology and socioeconomic significance of hand injuries] Wüthrich P. **Z Unfallchir Versicherungsmed Berufskr** 1986;79(1):5–14 **(Ger)**
[Possibilities of standardized methodology for evaluating the society- and function-related characterization of the individual health status of senior citizens] Bansemir G. **ZFA** 1986 May-Jun;41(3):153–64 (Eng. Abstr.) **(Ger)**
[Disease and age in homes—social aspects] Kuhlmey J. **ZFA** 1986 May-Jun;41(3):177–9 **(Ger)**
[Nutritional status of children under 6, according to land tenure, in rural areas of the State of Pernambuco, Northeast of Brazil] de Lira PI, et al. **Arch Latinoam Nutr** 1985 Jun; 35(2):247–57 (Eng. Abstr.) **(Por)**
[Scale for measurement of socioeconomic level, in the health area] Alvarez ML, et al. **Rev Med Chil** 1985 Mar; 113(3):243–9 (Eng. Abstr.) **(Spa)**

SOCIOLOGY

see related
GROUP PROCESSES

The management of a sexually charged clinical problem: social structural and psychoanalytic functionalist approaches in a therapeutic community. James OW. **Br J Med Psychol** 1986 Mar;59 (Pt 1):27–34
Health services and social research: the bridge between. **Mt Sinai J Med (NY)** 1985 Nov;52(9):672–756
Transmission of social attitudes. Martin NG, et al. **Proc Natl Acad Sci USA** 1986 Jun;83(12):4364–8
Community dentistry and sociology. Petersen PE. **Scand J Soc Med** 1986;14(1):1–2
The Ninth International Conference on the Social Sciences and Medicine. Korpilampi, Finland, 8–12 July 1985. **Soc Sci Med** 1986;22(11):1097–296

HISTORY

Science and social structure: a festschrift for Robert K. Merton. **Trans NY Acad Sci** 1980;39:1–173

SOCIOLOGY, MEDICAL

Medicalization of the problems of the elderly. Azzarto J. **Health Soc Work** 1986 Summer;11(3):189–95
Medical sociology and the WHO's programme for Europe. **Soc Sci Med** 1986;22(2):113–284
Sociological concepts in the etiology of chronic disease: the case of ischemic heart disease. Siegrist J, et al. **Soc Sci Med** 1986;22(2):247–53 (50 ref.)
[Status and improvement in expert evaluation of temporary disability conducted by the therapeutic service] Shapiro Ila, et al. **Ter Arkh** 1986;58(2):124–7 (Eng. Abstr.) **(Rus)**
[Scale for measurement of socioeconomic level, in the health area] Alvarez ML, et al. **Rev Med Chil** 1985 Mar; 113(3):243–9 (Eng. Abstr.) **(Spa)**

TRENDS

Social visions and social control: the evolution of medical thought in postwar Hungary. Kullberg P. **Int J Health Serv** 1986;16(3):391–408
The end of medicine and the end of medical sociology? Elinson J. **J Health Soc Behav** 1985 Dec;26(4):268–75

SOCIOMETRIC TECHNICS

Effects of sample attrition and data analysis in the Retirement History Study. Goudy WJ. **Exp Aging Res** 1985 Autumn–Winter;11(3–4):161–7

SOCIOPATHIC PERSONALITY see **ANTISOCIAL**

PERSONALITY DISORDER

SODIUM

see related
HYPERNATREMIA
HYPONATREMIA
NATRIURESIS

Use of sodium bicarbonate vials or syringes to buffer cardioplegic solutions [letter] Miller LG, et al. **Am J Hosp Pharm** 1986 Jun;43(6):1416, 1420

Interference with central actions of angiotensin II suppresses sodium appetite. Weiss ML, et al. **Am J Physiol** 1986 Feb; 250(2 Pt 2):R250–9

Calcium carbonate precipitation in bicarbonate hemodialysis. Klein E, et al. **Artif Organs** 1986 Jun;10(3):248–50

Nuclear magnetic resonance of 23Na ions interacting with the gramicidin channel. Monoi H. **Biophys J** 1985 Oct; 48(4):643–62

Interhelical effects on the low-frequency modes and phase transitions of Li- and Na-DNA. Demarco C, et al. **Biopolymers** 1985 Nov;24(11):2035–40

Sodium and chloride in salt-sensitive hypertension [letter] Whitescarver SA, et al. **Hypertension** 1986 Jun;8(6):552

Studies comparing population differences in sodium intake and gastric cancer rates [letter] Bernstein L, et al. **J Cancer Res Clin Oncol** 1985;110(2):184

The relationship between both sodium and potassium intake and blood pressure in London Civil Servants. A report from the Whitehall Department of Environment Study. Bulpitt CJ, et al. **J Chronic Dis** 1986;39(3):211–9

What is the PHS goal for sodium levels? [letter] Beard TC. **Public Health Rep** 1986 Mar–Apr;101(2):123–4

Re-examination of the role of the instrumental contingency in the sodium-appetite irrelevant incentive effect. Dickinson A. Q **J Exp Psychol [B]** 1986 May;38(2):161–72

Foods as salty as ever, Center says [news] Sun M. **Science** 1986 Feb 21;231(4740):792

ADMINISTRATION & DOSAGE

Cardiac design and pressure-volume characteristics of the left ventricle in normotensive (WKY) and hypertensive (SHR) rats after various dietary sodium treatments. Friberg P, et al. **Acta Physiol Scand** 1986 Apr;126(4):477–84

Natriuresis obtained by stimulation of the cerebroventricular system with sodium ions indicates a blood-borne natriuretic factor. Ulfendahl HR, et al. **Acta Physiol Scand** 1986 Jun; 127(2):269–71

Compatibility and availability of sodium bicarbonate in total parenteral nutrient solutions. Henann NE, et al. **Am J Hosp Pharm** 1985 Dec;42(12):2718–20

Intra- and interindividual variability in sodium intake in normal subjects and in patients with renal insufficiency. Luft FC, et al. **Am J Kidney Dis** 1986 May;7(5):375–80

Renal sodium handling in normal humans subjected to low, normal, and extremely high sodium supplies. Roos JC, et al. **Am J Physiol** 1985 Dec;249(6 Pt 2):F941–7

Comparison of intraosseous, central, and peripheral routes of sodium bicarbonate administration during CPR in pigs. Spivey WH, et al. **Ann Emerg Med** 1985 Dec; 14(12):1135–40

The sodium and potassium intake of 3 to 5 year olds. Allison ME, et al. **Arch Dis Child** 1986 Feb;61(2):159–63

Hidden sources of fluid and sodium intake in ill newborns. Noble-Jamieson CM, et al. **Arch Dis Child** 1986 Jul; 61(7):695–6

The effect of moderate urine alkalinisation on low dose diethylcarbamazine therapy in patients with onchocerciasis. Awadzi K, et al. **Br J Clin Pharmacol** 1986 Jun;21(6):669–76

ABC of Resuscitation: use of sodium bicarbonate [letter] Dev VJ. **Br Med J [Clin Res]** 1986 Jun 28;292(6537):1739

Citrate can effectively replace bicarbonate in oral rehydration salts for cholera and infantile diarrhoea. Islam MR. **Bull WHO** 1986;64(1):145–50

Abnormal relationship between dietary sodium intake and red cell sodium transport in salt-sensitive patients with essential hypertension. Saito K, et al. **Clin Exp Hypertens [A]** 1985;7(9):1217–32

Effect of dietary sodium on platelet alpha 2-adrenergic receptors in essential hypertension. Ashida T, et al. **Hypertension** 1985 Nov–Dec;7(6 Pt 1):972–8

Salt sensitivity in essential hypertension as determined by the cosinor method. Bittle CC Jr, et al. **Hypertension** 1985 Nov–Dec;7(6 Pt 1):989–94

Sodium loading and posture modulate human atrial natriuretic factor plasma levels. Hollister AS, et al. **Hypertension** 1986 Jun;8(6 Pt 2):II106–11

Platelet binding sites for atrial natriuretic factor in humans. Characterization and effects of sodium intake. Schiffrin EL, et al. **Hypertension** 1986 Jun;8(6 Pt 2):II6–10

A method to assess sodium intake in populations. Sowers M, et al. **J Am Diet Assoc** 1986 Sep;86(9):1196–202

Operant conditioning, sodium loading, and experimental hypertension. Anderson DE. **J Cardiovasc Pharmacol** 1986; 8 Suppl 5:S23–30

Borderline hypertension and sodium sensitivity. Sullivan JM. **J Cardiovasc Pharmacol** 1986;8 Suppl 5:S31–5

Renal, hemodynamic, and hormonal responses to atrial natriuretic peptide infusions in normal man, and effect of sodium intake. Cuneo RC, et al. **J Clin Endocrinol Metab** 1986 Oct;63(4):946–53

Influence of dietary sodium on blood pressure in baroreceptor-denervated rats. Howe PR, et al. **J Hypertens** 1985 Oct;3(5):457–60

Physiological responses to angiotensin II infusion during chronic angiotensin converting enzyme inhibition in dogs on normal, low and high sodium intake. Olsen ME, et al. **J Hypertens** 1985 Oct;3(5):517–25

Effect of changes in dietary sodium and potassium on blood pressure and cellular electrolyte handling in young normotensive subjects. Weissberg PL, et al. **J Hypertens** 1985 Oct;3(5):475–80

Dietary sodium intake and vasopressin excretion in man. Kjeldsen SE, et al. **J Hypertension [Suppl]** 1984 Dec; 2(3):S301–3

Effects of low and high Na diets on cardiovascular dynamics in normotensive and hypertensive rats: neuroeffector characteristics of the resistance vessels. Nilsson H, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S433–5

Effects of changes in dietary sodium intake on normotensive subjects with and without a genetic predisposition to essential hypertension. Weissberg PL, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S511–3

Nutritional edema in a rat model of protein deficiency: significance of the dietary potassium and sodium content. McGuire EA, et al. **J Nutr** 1986 Jul;116(7):1209–24

Effects of pyruvate salts, pyruvic acid, and bicarbonate salts in preventing experimental oxalate urolithiasis in rats. Ogawa Y, et al. **J Urol** 1986 May;135(5):1057–60

Sodium, blood pressure, and calcium antagonists [letter] Kingswood JC, et al. **Lancet** 1986 May 10;1(8489):1102

Effects of changes in dietary sodium intake and saline infusion on immunoreactive atrial natriuretic peptide in human plasma. Sagnella GA, et al. **Lancet** 1985 Nov 30; 2(8466):1208–11

Sulindac and ibuprofen inhibit furosemide-stimulated renin release but not natriuresis in men on a normal sodium diet. Riley LJ Jr, et al. **Nephron** 1985;41(3):283–8

Effect of dietary sodium content on renal handling of lithium. Experiments in conscious diabetes insipidus rats. Thomsen K, et al. **Pflugers Arch** 1986 Jul;407(1):55–8

Modification of ethanol-induced motor impairment by diet, diuretic, mineralocorticoid, or prostaglandin synthetase inhibitor. Grupp LA, et al. **Psychopharmacology (Berlin)** 1985;87(1):20–4

Effect of sodium bicarbonate and Tris (THAM) infusion on intra- and extracellular acid-base status during experimental uremia in the rat. Rothe KF, et al. **Urol Int** 1985;40(4):190–5

[Chronic dietary sodium overload and release of a circulating Na+-K+ pump inhibitor] Wauquier I, et al. **Arch Mal Coeur** 1985 Oct;78(11):1716–9 (Eng. Abstr.) (Fre)

[Chloride and lactate composition of hypertonic sodium solution for fluid resuscitation of burn injury] Yokota J, et al. **Nippon Geka Gakkai Zasshi** 1985 Nov;86(11):1492–9 (Eng. Abstr.) (Jpn)

[A case of renal tubular acidosis type 3 (mixed) with age-related decreased requirement for bicarbonates] Prandota J, et al. **Pol Tyg Lek** 1986 Jan 13;41(2):49–52 (Eng. Abstr.) (Pol)

[Experimental data in evaluation of the preventive effectiveness of various inhalation methods in silicosis] Privalov LI, et al. **Gig Tr Prof Zabol** 1986 Jan;(1):45–7 (Rus)

ADVERSE EFFECTS

Stomach rupture following ingestion of sodium bicarbonate. Brismar B, et al. **Acta Chir Scand [Suppl]** 1986;530:97–9

Sodium and hypertension. A review. Houston MC. **Arch Intern Med** 1986 Jan;146(1):179–85 (74 ref.)

Sodium and potassium as nutritional factors in the genesis, treatment and prevention of hypertension. Haddy FJ. **Bull NY Acad Med** 1985 Dec;61(10):917–25 (29 ref.)

Sodium bicarbonate during CPR. Does it help or hinder? [editorial] Weil MH, et al. **Chest** 1985 Oct;88(4):487

Sodium and hypertension. Still a controversy in 1986. Francischetti EA, et al. **Drugs** 1986;31 Suppl 4:29–39

Sodium chloride-dependent hypertension [letter] Kurtz TW, et al. **Hypertension** 1986 Apr;8(4):359–60

Dangers of chicken soup [letter] Chu E. **Pediatrics** 1986 May; 77(5):785–6

Chalk in the prime. Yeo H, et al. **Thorax** 1986 Feb; 41(2):148–51

ANALYSIS

Sweat sodium related to amount of sweat after sweat test in children with and without cystic fibrosis. Hjelm M, et al. **Acta Paediatr Scand** 1986 Jul;75(4):652–6

Sodium homeostasis in infants with biliary drainage procedures. Gurevitz M, et al. **Am J Dis Child** 1986 Jun; 140(6):535–8

Body composition in the cirrhotic patient with ascites: assessment of total exchangeable sodium and potassium with simultaneous serum electrolyte determination. Vitale GC, et al. **Am Surg** 1985 Dec;51(12):675–81

Determination of sodium in salted foods using an ion-selective electrode. Florence E. **Analyst** 1986 May; 111(5):571–3

Mitochondrial calcium and cellular electrolytes in brain cortex frozen in situ: electron probe analysis. Somlyo AP, et al. **Biochem Biophys Res Commun** 1985 Nov 15; 132(3):1071–8

Posteruptive maturation of tooth enamel studied with the electron microprobe. Driessens FC, et al. **Caries Res** 1985; 19(5):390–5

More on heparin effect on Na measurement [letter] Mann S, et al. **Clin Chem** 1986 May;32(5):907

Dietary sodium/potassium ratio in salt substitute and its putative significance in essential hypertension. Obel AO, et al. **East Afr Med J** 1985 Jul;62(7):507–14

Lowered levels of bicarbonate in seminal plasma cause the poor sperm motility in human infertile patients. Okamura N, et al. **Fertil Steril** 1986 Feb;45(2):265–72

Sodium content of potable water: dietary significance. Korch GC. **J Am Diet Assoc** 1986 Jan;86(1):80–3

Cell-bound cations of the moderately halophilic bacterium Vibrio costicola. Shindler DB, et al. **J Bacteriol** 1977 May; 130(2):698–703

Measurement of intracellular sodium concentration and sodium transport in Escherichia coli by 23Na nuclear magnetic resonance. Castle AM, et al. **J Biol Chem** 1986 Mar 5;261(7):3288–94

Altered retinal metabolism in diabetes. II. Measurement of sodium-potassium ATPase and total sodium and potassium in individual retinal layers. MacGregor LC, et al. **J Biol Chem** 1986 Mar 25;261(9):4052–8

Determination of sodium, ephedrine and procaine in pharmaceuticals by capillary isotachophoresis. Fanali S, et al. **J Chromatogr** 1985 Aug 23;330(2):436–8

Octopamine potentiates intracellular Na+ and Cl- reductions during cell volume regulation in Limulus exposed to hypoosmotic stress. Edwards SC, et al. **J Comp Physiol [B]** 1986;156(4):481–9

Gating of sodium and potassium channels. Bezanilla F. **J Membr Biol** 1985;88(2):97–111 (63 ref.)

Interactions in the solid state. I: Interactions of sodium bicarbonate and tartaric acid under compressed conditions. Usui F, et al. **J Pharm Sci** 1985 Dec;74(12):1293–7

Interactions in the solid state. II: Interaction of sodium bicarbonate with substituted benzoic acids in the presence of moisture. Wright JL, et al. **J Pharm Sci** 1986 Jun; 75(6):546–51

Effects of exposure to salty drinking water in an Arizona community. Cardiovascular mortality, hypertension prevalence, and relationships between blood pressure and sodium intake. Welty TK, et al. **JAMA** 1986 Feb 7; 255(5):622–6

23Na NMR spectroscopy of proximal tubule suspensions. Kumar AM, et al. **Kidney Int** 1986 Mar;29(3):747–51

Localization of phosphorus metabolites and sodium ions in the rat kidney. Bogusky RT, et al. **Magn Reson Med** 1986 Apr;3(2):251–61

NMR studies of combined lanthanide shift and relaxation agents for differential characterization of 23Na in a two-compartment model system. Brown MA, et al. **Magn Reson Med** 1986 Apr;3(2):289–95

A method for in vivo MR imaging of the short T2 component of sodium-23. Ra JB, et al. **Magn Reson Med** 1986 Apr; 3(2):296–302

Breakfast of Champions or of hypertensives? [letter] Luger SW, et al. **N Engl J Med** 1986 Apr 17;314(16):1052–3

Effects of temperature, ouabain and diuretics on the cell sodium and potassium contents of isolated rat kidney tubules. Rajerison RM, et al. **Pflugers Arch** 1986 Mar; 405(3):285–90

Effects of external potassium concentrations on the cell sodium and potassium contents of isolated rat kidney tubules. Rajerison RM, et al. **Pflugers Arch** 1986 Mar; 406(3):291–5

Quality characteristics, cholesterol, and sodium content of turkey as affected by conventional, convection, and microwave heating. Prusa KJ, et al. **Poult Sci** 1986 May; 65(5):940–8

Relationship of selected quality characteristics and the cholesterol and sodium content of turkey. Prusa KJ. **Poult Sci** 1986 Jun;65(6):1208–10

Methodology of in vivo human sodium MR imaging at 1.5 T. Perman WH, et al. **Radiology** 1986 Sep;160(3):811–20

Clinical and experimental vasogenic edema: in vivo sodium MR imaging. Work in progress. Turski PA, et al. **Radiology** 1986 Sep;160(3):821–5

Correlation of concentrations of estriol-3-sulfate with those of potassium and sodium in human breast cyst fluid. Raju U, et al. **Steroids** 1985 Mar–Apr;45(3–4):341–6

Buffer effect, secretion rate, pH and electrolytes of stimulated whole saliva in relation to the renin-aldosterone system. Heintze U, et al. **Swed Dent J** 1985;9(6):249–54

Measurement of the effective dialyzer Na diffusion gradient in vitro and in vivo. Gotch FA, et al. **Trans Am Soc Artif Intern Organs** 1985;31:354–8

[Observation on sodium and potassium contents in vital organs of rabbits with shock] Gao YE, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Sep;23(9):565–7, 575 (Eng. Abstr.) (Chi)

[Ion levels in spermatozoa and seminal plasma of the boar and ram] Petzoldt R, et al. **Arch Exp Veterinarmed** 1986 May;40(3):469–77 (Eng. Abstr.) (Ger)

[Sodium and potassium determination with ion-sensitive electrodes using the biological alkali microanalyser BAM-OP-266] Lippert R, et al. **Z Med Lab Diagn** 1986; 27(4):228–31 (Ger)

[Dynamics of the electrolytic composition of saliva and the excretory function of the kidneys during human adaptation to an altered gaseous environment] Agadzhanian NA, et

al. **Fiziol Cheloveka** 1986 Jan-Feb;12(1):157-64 **(Rus)**
[Use of ionometric and flame photometric methods for determining the content of sodium, potassium, calcium and chlorine in microbiological nutrient media] Ruzal' GI, et al. **Lab Delo** 1986;(3):175-8 (Eng. Abstr.) **(Rus)**
[Electrolytes and sialic acids of gastric juice and mucus in peptic ulcer patients] Skliarov Ela. **Vrach Delo** 1986 Jan; (1):61-3 (Eng. Abstr.) **(Rus)**
[Circadian excretion of electrolytes in the saliva of patients with sequelae of craniocerebral injuries] Shpirt Ela, et al. **Zh Nevropatol Psikhiatr** 1986;86(5):655-7 (Eng. Abstr.) **(Rus)**
[Water, sodium and potassium in soft drinks (letter)] Valdivieso A, et al. **Rev Med Chil** 1985 Sep;113(9):911-2 **(Spa)**

ANTAGONISTS & INHIBITORS

Patterns of K+ permeation following inhibition of Na+ transport in rabbit cortical collecting tubule. Stokes JB. **Am J Physiol** 1986 Jan;250(1 Pt 2):F120-6
Bepridil block of cardiac calcium and sodium channels. Yatani A, et al. **J Pharmacol Exp Ther** 1986 Apr;237(1):9-17

BLOOD

Body composition, intraerythrocyte sodium content, volume regulation and blood pressure during moderate sodium restriction in hypertensive men. Fagerberg B, et al. **Acta Med Scand** 1986;219(4):371-9
Erythrocyte sodium and potassium in affective illness. Joffe RT, et al. **Acta Psychiatr Scand** 1986 Apr;73(4):416-9
The metabolic effects of thiazide therapy in the elderly: a population study. Petri M, et al. **Age Ageing** 1986 May; 15(3):151-5
Effect of hyperglycemia on serum sodium concentration and tonicity in outpatients on chronic dialysis. Tzamaloukas AH, et al. **Am J Kidney Dis** 1986 Jun;7(6):477-82
Prediction of postdexamethasone cortisol levels by serum sodium levels in patients with major depression. Tollefson GD, et al. **Am J Psychiatry** 1986 Jan;143(1):81-4
Growth of Plasmodium falciparum in sodium-enriched human erythrocytes. Tanabe K, et al. **Am J Trop Med Hyg** 1986 May;35(3):476-8
Ion-selective electrodes and inaccurate serum sodium measurements [letter] Burgess ED, et al. **Ann Intern Med** 1985 Nov;103(5):806
The duck red cell model of volume-sensitive chloride-dependent cation transport. McManus TJ, et al. **Ann NY Acad Sci** 1985;456:183-6
Inhibition of human red blood cell Na+, K+-cotransport by various "high ceiling" diuretics.Knorr A, et al. **Arch Int Pharmacodyn Ther** 1985 Nov;278(1):150-6
The influence of pH and membrane potential on passive Na+ and K+ fluxes in human red blood cells. Chipperfield AR, et al. **Biochim Biophys Acta** 1986 May 29;886(3):373-82
An unusual pattern of Na+ and K+ movements across the horse erythrocyte membrane. Contreras A, et al. **Biochim Biophys Acta** 1986 Apr 14;856(2):388-91
23Na-NMR studies of Na+ interaction with human red cell membranes from normotensives and hypertensives. Ong RL, et al. **Biophys Chem** 1986 Mar;23(3-4):237-44
TURP without TURP syndrome. Gale DW, et al. **Br J Urol** 1985 Dec;57(6):708-10
Leucocyte sodium pumps in patients with essential hypertension [letter] Oh V, et al. **Br Med J [Clin Res]** 1986 Jul 26;293(6541):267
Na-K pump activity in erythrocytes of patients with endogenous and exogenous glucocorticoid excess. Wambach G, et al. **Cardiology** 1985;72 Suppl 1:95-8
Prognostic importance of serum sodium concentration and its modification by converting-enzyme inhibition in patients with severe chronic heart failure. Lee WH, et al. **Circulation** 1986 Feb;73(2):257-67
Calibration of direct ion-selective electrodes for plasma Na+ to allow for the influence of protein concentration [letter] Broughton PM, et al. **Clin Chem** 1985 Oct;31(10):1765-6
Normal values for serum sodium and potassium of Chinese. Chao TJ. **Clin Chem** 1986 Jan;32(1 Pt 1):202
Direct-measurement ion-selective electrodes: analytical error in hyponatremia. Cowell DC, et al. **Clin Chem** 1985 Dec;31(12):2009-12
Sodium activity, sodium concentration, and osmolality in plasma in acute and chronic renal failure. Langhoff E, et al. **Clin Chem** 1985 Nov;31(11):1811-4
Intra-erythrocytic sodium in uremic patients, as determined by "high-resolution" 23Na nuclear magnetic resonance. Monti JP, et al. **Clin Chem** 1986 Jan;32(1 Pt 1):104-7
Erythrocyte cation transport activities as a function of cell age. Hentschel WM, et al. **Clin Chim Acta** 1986 May 30; 157(1):33-43
Increased sodium influx into erythrocytes in diabetes mellitus and hypertension. Chimori K, et al. **Clin Exp Hypertens [A]** 1986;8(2):185-99
A circulating Na+-K+ATPase inhibitor, erythrocyte sodium transport and hypertension in patients with chronic renal failure. Kariya K, et al. **Clin Exp Hypertens [A]** 1986; 8(2):167-83
Is red cell sodium transport a function of pressure? Millar JA, et al. **Clin Exp Hypertens [A]** 1985-86;7(12):1697-705
Relationship between serum sodium and blood pressure in morbid obesity. Nanji AA, et al. **Clin Exp Hypertens [A]** 1985;7(7):933-7
Effect of plasma storage on erythrocyte sodium pump measurements. Smith JB, et al. **Clin Exp Hypertens [A]** 1986;8(1):37-51
Erythrocyte cation transport is sex-related and is modified by oral contraceptives. Stokes GS, et al. **Clin Exp Hypertens [A]** 1985;7(9):1199-215
Influence of age, sex and weight on measurements of intracellular Na+ and K+ in essential hypertension. Bramley PM, et al. **Clin Exp Pharmacol Physiol** 1986 Apr; 13(4):347-51
Effects of an intravenous saline load on erythrocyte sodium transport in normal human subjects. Boero R, et al. **Clin Sci** 1985 Dec;69(6):709-12
Kinetics of bumetanide-sensitive Na+-K+ co-transport in erythrocytes of essential hypertensive patients. Delva P, et al. **Clin Sci** 1985 Nov;69(5):607-11
Na+ leak in erythrocytes from essential hypertensive patients. Garay RP, et al. **Clin Sci** 1985 Nov;69(5):613-24
Effect of serum from patients with essential hypertension on sodium transport in normal leucocytes. Gray HH, et al. **Clin Sci** 1986 Jun;70(6):583-6
Effects of synthetic atrial natriuretic peptides on sodium-potassium transport in human erythrocytes. Sagnella GA, et al. **Clin Sci** 1985 Aug;69(2):223-6
A family with mild hereditary xerocytosis showing high membrane cation permeability at low temperatures. Stewart GW, et al. **Clin Sci** 1985 Sep;69(3):309-19
Effect of hypophysectomy on plasma electrolytes and adrenal mineralocorticoid secretion in the terrestrial chelonian Testudo hermanni. Vallarino M, et al. **Comp Biochem Physiol [A]** 1985;81(2):283-6
Sodium. Janz T. **Emerg Med Clin North Am** 1986 Feb; 4(1):115-30 (49 ref.)
Chromium(III)ATP inactivating (Na+ + K+)-ATPase supports Na+-Na+ and Rb+-Rb+ exchanges in everted red blood cells but not Na+,K+ transport. Pauls H, et al. **Eur J Biochem** 1986 Jun 16;157(3):585-95
Leukocyte ionized calcium and sodium content and blood pressure in humans. Bing RF, et al. **Hypertension** 1986 Jun; 8(6):483-8
Sodium-lithium countertransport and blood pressure in healthy blood donors. Turner ST, et al. **Hypertension** 1985 Nov-Dec;7(6 Pt 1):955-62
The Achilles' heel of potentiometric measurements, the liquid junction potential. Christiansen TF. **IEEE Trans Biomed Eng** 1986 Feb;33(2):79-82
Red-cell sodium-potassium pump and sodium-lithium countertransport in human obesity. Re-evaluation of the methods and association in a Finnish population. Miilunpalo S, et al. **Int J Obes** 1985;9(5):313-21
Errors due to heparin in the estimation of plasma sodium and potassium concentrations. Shek CC, et al. **Intensive Care Med** 1985;11(6):309-11
Study of serum sodium in myocardial infarction and its relation to severity and complications. Shah PK, et al. **J Assoc Physicians India** 1986 Mar;34(3):195-6
Ca2+-activated Na+ fluxes in human red cells. Amiloride sensitivity. Escobales N, et al. **J Biol Chem** 1985 Oct 5; 260(22):11914-23
Chemotactic factor-induced activation of Na+/H+ exchange in human neutrophils. I. Sodium fluxes. Simchowitz L. **J Biol Chem** 1985 Oct 25;260(24):13237-47
A comparison of reference method values for sodium, potassium and chloride with method-dependent assigned values. Külpmann WR, et al. **J Clin Chem Clin Biochem** 1985 Dec;23(12):865-74
Altered red cell sodium transport in hypoparathyroidism: relation to serum calcium. Brickman AS, et al. **J Clin Endocrinol Metab** 1986 Sep;63(3):626-30
Inhibitin: a specific inhibitor of sodium/sodium exchange in erythrocytes. Morgan K, et al. **J Clin Invest** 1986 Feb; 77(2):538-44
Changes in body water and plasma constituents during bullfrog development: effects of temperature and hormones. Brown SC, et al. **J Exp Zool** 1986 Jan; 237(1):25-33
Catecholamine-induced transport systems in trout erythrocyte. Na+/H+ countertransport or NaCl cotransport? Borgese F, et al. **J Gen Physiol** 1986 Apr; 87(4):551-66
Modes of operation and variable stoichiometry of the furosemide- sensitive Na and K fluxes in human red cells. Canessa M, et al. **J Gen Physiol** 1986 Jan;87(1):113-42
A kinetic analysis of Na-Li countertransport in human red blood cells. Hannaert PA, et al. **J Gen Physiol** 1986 Mar; 87(3):353-68
Interactions of lithium and protons with the sodium-proton exchanger of dog red blood cells. Parker JC. **J Gen Physiol** 1986 Feb;87(2):189-200
Effect of chronic exposure to static magnetic field upon the K+, Na+ and chlorides concentrations in the serum of guinea pigs. Gorczyńska E, et al. **J Hyg Epidemiol Microbiol Immunol** 1986;30(2):121-6
In vivo erythrocyte sodium concentration in human hypertension is reduced, not increased. Simon G, et al. **J Hypertens** 1986 Feb;4(1):71-5
Effects of dietary sodium deprivation on erythrocyte sodium concentration and cation transport in normotensive and untreated hypertensive subjects. Stokes GS, et al. **J Hypertens** 1986 Feb;4(1):35-8
Blood pressure, erythrocyte sodium and potassium concentrations and Na+K+ATPase activity in children with hypertensive mothers. Svensson A, et al. **J Hypertens** 1986 Jun;4(3):269-72
Sodium transport by leucocytes and erythrocytes in hypertensive subjects and their normotensive relatives. Gray HH, et al. **J Hypertension [Suppl]** 1984 Dec; 2(3):S467-9
Influence of age on the response to increased salt intake: effects on blood pressure and sodium in erythrocytes. Gudmundsson O, et al. **J Hypertension [Suppl]** 1983 Dec; 1(2):15-7
Evidence against a circulating ouabain-like transport inhibitor as a cause of increased red cell sodium in essential hypertension. Millar JA, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S461-3
Acute volume expansion in humans releases a factor which inhibits the vascular Na+-K+ pump. Price MB, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S471-2
Does potassium lower blood pressure by increasing sodium excretion? A metabolic study in patients with mild to moderate essential hypertension. Smith SJ, et al. **J Hypertension [Suppl]** 1983 Dec;1(2):27-30
Low erythrocyte Na+/K+ ratio in children with mild blood pressure elevation and a positive family history of hypertension. Svensson A, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S473-5
Sodium and calcium in lymphocytes and erythrocytes in essential hypertension. Zidek W, et al. **J Hypertension [Suppl]** 1983 Dec;1(2):3-5
Na-K-adenosine triphosphatase and cation content in the erythrocyte in essential hypertension. Rahman M, et al. **J Lab Clin Med** 1986 Apr;107(4):337-41
Cell growth and sodium content in the serum of uninephrectomized and renal hypertensive dogs. Simon G, et al. **J Lab Clin Med** 1986 May;107(5):439-46
Amiloride-sensitive Na+ transport in human red cells: evidence for a Na/H exchange system. Escobales N, et al. **J Membr Biol** 1986;90(1):21-8
Hypertension. I. The relationship of hypertension to serum cholesterol, triglycerides, and sodium. Tsegaye A, et al. **J Okla State Med Assoc** 1985 Oct;78(10):375-9
Development of high sodium renal hypertension during chronic blockade of the vascular effects of vasopressin. Hinojosa C, et al. **J Pharmacol Exp Ther** 1986 Aug; 238(2):492-6
Changes in plasma solutes after food. Gill GV, et al. **J R Soc Med** 1985 Dec;78(12):1009-13
High plasma atrial natriuretic peptide independent of sodium balance in SIADH [letter] Sakamoto H, et al. **JAMA** 1986 Sep 12;256(10):1293-4
Sodium-potassium cotransport in hypertension and hypotension. Imagawa M, et al. **Jpn Heart J** 1986 Mar; 27(2):191-204
Relationships between red cell cation contents and blood pressure level. Saito K, et al. **Jpn Heart J** 1985 Nov; 26(6):955-64
Sodium transport in red blood cells from dialyzed uremic patients. Corry DB, et al. **Kidney Int** 1986 Jun; 29(6):1197-202
Hypernatremia inhibits NaHCO3 reabsorption and associated NaCl reabsorption in dogs. Langberg H, et al. **Kidney Int** 1986 Apr;29(4):820-8
Blood pressure in essential hypertension correlates with the concentration of a circulating inhibitor of the sodium pump. Moreth K, et al. **Klin Wochenschr** 1986 Mar 3;64(5):239-44
Relationship between magnesium, potassium and sodium concentrations in lymphocytes and erythrocytes from normal subjects. Girardin E, et al. **Magnesium** 1985; 4(4):188-92
Online patient-monitoring system for the simultaneous analysis of blood K+, Ca2+, Na+ and pH using a quadruple-function ChemFET integrated-circuit sensor. Sibbald A, et al. **Med Biol Eng Comput** 1985 Jul; 23(4):329-38
The frequency distributions of biochemical variables: Gaussian or log-Gaussian? Walton RJ, et al. **Med Hypotheses** 1985 Dec;18(4):405-10
Sodium and potassium ion selective electrodes: a review of theory and calibration. Cowell DC, et al. **Med Lab Sci** 1985 Jul;42(3):252-61
Intra-erythrocyte concentration and transmembrane fluxes of sodium and potassium during acute and short-term administration of ketanserin in normal male subjects. Lijnen P, et al. **Methods Find Exp Clin Pharmacol** 1985 Sep; 7(9):463-7
Inhibition of chemotactic factor-activated Na+/H+ exchange in human neutrophils by analogues of amiloride: structure-activity relationships in the amiloride series. Simchowitz L, et al. **Mol Pharmacol** 1986 Aug;30(2):112-20
The plasma sodium concentration: what does it really mean?. Blythe WB. NC **Med J** 1986 Mar;47(3):139
Uremia and red blood cell sodium transport. Díez J, et al. **Nephron** 1986;43(2):155-7
Inhibition of the erythrocyte Na+, K+-pump by mammalian lignans. Braquet P, et al. **Pharmacol Res Commun** 1986 Mar;18(3):227-39
Plasma electrolytes in elderly patients taking fixed combination diuretics. Bayer AJ, et al. **Postgrad Med J** 1986 Mar;62(725):159-62
Monovalent and divalent cations in hypertension. Simpson FO. **Prev Med** 1985 Jul;14(4):436-50
Stimulation of the Na+,K+-cotransport system by arginine vasopressin in human red cells. Díez J, et al.

Regul Pept [Suppl] 1985;4:23–5
The limits of cerebral dehydration in the treatment of head injury. Bingham WF. **Surg Neurol** 1986 Apr;25(4):340–5
Serum sodium and potassium values in pregnant urban Nigerian and Caucasian women. Ekeke GI, et al. **Trop Geogr Med** 1986 Mar;38(1):28–32
Intestinal absorption of folic acid, glucose, sodium and water in chronic pancreatitis. Mössner J, et al. **Z Gastroenterol** 1986 Apr;24(4):212–7
[Antihypertensive effect of indapamide and its effect on extracellular and intracellular Na and K concentrations in red blood cells] Du FH, et al. **Chung Hua Nei Ko Tsa Chih** 1985 Dec;24(12):705–8, 767 (Eng. Abstr.) **(Chi)**
[Na+ and K+ transport by erythrocytes in normotensive children of patients with essential hypertension] Janata V, et al. **Cas Lek Cesk** 1986 Feb 14;125(7):202–6 (Eng. Abstr.) **(Cze)**
[Physiologic variability of erythrocyte concentrations and transport of sodium and potassium] M'Buyamba–Kabangu JR, et al. **Presse Med** 1986 May 10;15(19):871–5 (Eng. Abstr.) **(Fre)**
[Hereditary salt sensitivity as a cause of essential hypertension: studies of membrane transport and intracellular electrolytes] Skrabal F, et al. **Klin Wochenschr** 1985 Sep 16;63(18):891–6 (Eng. Abstr.) **(Ger)**
[Electrolytic changes in febrile convulsions] Chiarelli F, et al. **Pediatr Med Chir** 1985 Mar–Apr;7(2):249–52 (Eng. Abstr.) **(Ita)**
[Erythrocyte sodium ion transport systems in DOCA—salt, goldblatt and spontaneously hypertensive rats] Yokomatsu M. **Nippon Jinzo Gakkai Shi** 1986 Feb;28(2):211–20 (Eng. Abstr.) **(Jpn)**
[A case of congenital stomatocytosis with decreased red cell sodium content, increased red cell sodium efflux and pulmonary embolism] Murai K, et al. **Rinsho Ketsueki** 1985 May;26(5):789–94 (Eng. Abstr.) **(Jpn)**
[Effect of cadmium on essential metals in blood in male and female rats] Nakamura K, et al. **Sangyo Igaku** 1985 Nov; 27(6):420–1 **(Jpn)**
[Increased levels of various trace elements in the blood of children with bronchial asthma and their effect on the erythrocyte–plasma indicators for sodium and potassium ions] Bichonski R, et al. **Folia Med Cracov** 1984; 25(3–4):421–9 (Eng. Abstr.) **(Pol)**
[Blood osmolarity in patients with congenital and acquired heart defects before the operation] Agamaliev KT, et al. **Anesteziol Reanimatol** 1985 Nov–Dec;(6):60–2 (Eng. Abstr.) **(Rus)**
[Effect of the natriuretic hormone on ion transport through erythrocyte membrane] Terenozhkina NP. **Kardiologiia** 1986 Mar;26(3):87–90 (Eng. Abstr.) **(Rus)**
[Informative value of renal phlebography and the analysis of renal venous blood in various diseases of the kidneys and upper urinary tract] Figarov IG, et al. **Urol Nefrol (Mosk)** 1986 May–Jun;(3):31–4 (Eng. Abstr.) **(Rus)**
[Kinins, catecholamines and electrolyte balance in patients with chronic pyelonephritis] Kalugina GV, et al. **Urol Nefrol (Mosk)** 1986 May–Jun;(3):16–20 (Eng. Abstr.) **(Rus)**
[Relation between the concentration of sodium and potassium in the erythrocytes of dairy cows and the concentration of these elements in the plasma and urine and the level of blood glucose] Gajdošík D, et al. **Vet Med (Praha)** 1986 Jun;31(6):337–46 (Eng. Abstr.) **(Slo)**
[Determination of the influx and content of sodium in the erythrocytes of hypertensive and normotensive subjects] Mac Carthy GB. **Arch Inst Cardiol Mex** 1986 Mar–Apr; 56(2):101–7 (Eng. Abstr.) **(Spa)**

CEREBROSPINAL FLUID

Elevation of sodium levels in the cerebral ventricles of anaesthetized dogs triggers the release of an inhibitor of ouabain–sensitive sodium, potassium–ATPase into the circulation. Jandhyala BS, et al. **Clin Sci** 1986 Jan; 70(1):103–10

DEFICIENCY

Pressor resistance to vasopressin in sodium depletion, potassium depletion, and cirrhosis. Murray BM, et al. **Am J Physiol** 1986 Sep;251(3 Pt 2):R525–30
Captopril and impaired renal function [letter] Andreucci VE, et al. **Ann Intern Med** 1986 Feb;104(2):283
Regulation of rat brain angiotensin II (AII) receptors by intravenous AII and low dietary Na+. Thomas WG, et al. **Brain Res** 1985 Oct 14;345(1):54–61
Angiotensin–converting enzyme responses following enalapril in the sodium deficient rat. Longman SD, et al. **Eur J Pharmacol** 1986 Apr 29;123(3):379–86
Effects of maternal sodium depletion on the composition of ovine fetal fluids. Bell RJ, et al. **J Endocrinol** 1985 Nov; 107(2):177–82
Sodium and water depletion in ileostomy patients [letter] Carmichael D, et al. **Lancet** 1986 Sep 13;2(8507):625–6
Dietary sodium deficiency potentiates the effect of prostaglandin E2 on in vitro renin release in the rat. Lopez GA, et al. **Prostaglandins Leukotrienes Med** 1985 Aug; 19(2):105–13

DIAGNOSTIC USE

Sodium nuclear magnetic resonance imaging of myocardial tissue of dogs after coronary artery occlusion and reperfusion. Cannon PJ, et al. **J Am Coll Cardiol** 1986 Mar; 7(3):573–9
Sodium–23 magnetic resonance imaging of the eye and lens. Garner WH, et al. **Proc Natl Acad Sci USA** 1986 Mar; 83(6):1901–5
[Measurement of lung water with a double indicator dilution method in dogs using heat and sodium ions] Ishibe Y, et al. **Masui** 1986 Mar;35(3):373–8 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Salt subtraction in patients on maintenance hemodialysis. Efficacy and limitations. Fasanella d'Amore T, et al. **Am J Nephrol** 1985;5(4):275–81

METABOLISM

Renal sodium retention and vasopressin induced kaliuresis in ethanol anaesthetised rats. Musabayane CT, et al. **Acta Endocrinol (Copenh)** 1985 Oct;110(2):214–20
Acute swelling of nodes of Ranvier caused by venoms which slow inactivation of sodium channels. Love S, et al. **Acta Neuropathol (Berl)** 1986;70(1):1–9
Time–course of changes in water, sodium, potassium and calcium contents of various brain regions in rats after systemic kainic acid administration. Sztriha L, et al. **Acta Neuropathol (Berl)** 1986;70(2):169–76
Examination of the ouabain–sensitive Na–K pump in essential hypertensive children of normal body weight. Koltai G, et al. **Acta Paediatr Hung** 1985;26(4):289–95
Aldosterone in cystic fibrosis: measurement in saliva and correlation with disease severity. Fergusson RJ, et al. **Acta Paediatr Scand** 1986 Jan;75(1):124–7
Hyperkalemic distal renal tubular acidosis in salt–losing congenital adrenal hyperplasia. Rodríguez–Soriano J, et al. **Acta Paediatr Scand** 1986 May;75(3):425–32
The effect of diuretics and lithium on 3H–ouabain binding site concentration and Na,K–content in rat skeletal muscle. Norgaard A, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 May;58(5):363–7
Quantification of the Na,K–pumps in mammalian skeletal muscle. Nørgaard A. **Acta Pharmacol Toxicol (Copenh)** 1986;58 Suppl 1:1–34 (138 ref.)
Inhibition of sodium for sodium exchange by phlorizin in frog sartorius muscle. Cseri J, et al. **Acta Physiol Hung** 1986;67(3):307–16
Sodium metabolism in high–altitude hypoxia, primary systemic hypertension and the peripheral arterial chemoreceptors. Honig A, et al. **Acta Physiol Pol** 1985 Jan–Feb;36(1):21–37 (121 ref.)
Effect of renal nerve activity on tubular sodium and water reabsorption in dog kidneys as determined by the lithium clearance method. Abildgaard U, et al. **Acta Physiol Scand** 1986 Feb;126(2):251–7
Trifluoperazine stimulated sodium transport by increased prostaglandin E2 synthesis in isolated frog skin (Rana esculenta). Bjerregaard HF, et al. **Acta Physiol Scand** 1986 May;127(1):75–85
Models of aldosterone action on sodium transport: emerging concepts. Marver D. **Adv Exp Med Biol** 1986;196:153–71 (68 ref.)
Sodium–calcium exchange: calcium regulation at the sarcolemma. Philipson KD, et al. **Adv Exp Med Biol** 1986; 194:557–62 (23 ref.)
Sodium modulation of resting force, contractile properties, and metabolism with particular emphasis on its role in the development of calcium overload states. Renlund DG, et al. **Adv Exp Med Biol** 1986;194:601–15 (33 ref.)
Modulators acting on sodium and calcium channels: patch–clamp analysis. Narahashi T. **Adv Neurol** 1986; 44:211–24
Effects of ethanol exposure on brain sodium channels. Hunt WA, et al. **Alcohol Drug Res** 1985–86;6(6):419–22
Clinical pharmacologic implications in diuretic selection. Puschett JB. **Am J Cardiol** 1986 Jan 24;57(2):6A–13A (40 ref.)
Sodium and potassium intake measurements: dietary methodology problems. Clark AJ, et al. **Am J Clin Nutr** 1986 Mar;43(3):470–6
Abnormal renal sodium handling in essential hypertension. Relation to failure of renal and adrenal modulation of responses to angiotensin II. Hollenberg NK, et al. **Am J Med** 1986 Sep;81(3):412–8
Excessive sodium retention as a characteristic of salt–sensitive hypertension. Dustan HP, et al. **Am J Med Sci** 1986 Aug;292(2):67–74
Phorbol ester inhibition of Na–H exchange in rabbit proximal colon. Ahn J, et al. **Am J Physiol** 1985 Nov;249(5 Pt 1):C527–30
Intestinal sugar transport: does the Na+ gradient provide all the energy? Baker RD. **Am J Physiol** 1986 Apr;250(4 Pt 1):G448–54
Na–Pi cotransport in LLC–PK1 cells: fast adaptive response to Pi deprivation. Biber J, et al. **Am J Physiol** 1985 Nov; 249(5 Pt 1):C430–4
Sodium–proton exchange in colon brush–border membranes. Binder HJ, et al. **Am J Physiol** 1986 Sep;251(3 Pt 1):G382–90
Sodium and chloride transport in the large intestine of potassium–loaded rats. Budinger ME, et al. **Am J Physiol** 1986 Aug;251(2 Pt 1):G249–52
Volume regulation by Amphiuma red blood cells: cytosolic free Ca and alkali metal–H exchange. Cala PM, et al. **Am J Physiol** 1986 Mar;250(3 Pt 1):C423–9
Na+–K+ pump stoichiometry and basolateral membrane permeability of frog corneal epithelium. Candia OA, et al. **Am J Physiol** 1986 May;250(5 Pt 2):F850–9
Stimulation of net active ion transport across alveolar type II cell monolayers. Cott GR, et al. **Am J Physiol** 1986 Feb;250(2 Pt 1):C222–7
Formulating and evaluating quantitative models of control of sodium stores. Daniels FH, et al. **Am J Physiol** 1985 Nov;249(5 Pt 2):R624–33
Morphological changes with Na+–free fluid absorption in isolated perfused snake tubules. Dantzler WH, et al. **Am J Physiol** 1986 Jul;251(1 Pt 2):F150–5
K+, Na+, and Cl– activities in ventricular myocytes isolated from rabbit heart. Désilets M, et al. **Am J Physiol** 1986 Aug;251(2 Pt 1):C197–208
Effects of calcium antagonist TMB–8 on active Na and Cl transport in rabbit ileum. Donowitz M, et al. **Am J Physiol** 1986 May;250(5 Pt 1):G691–7
Effect of relative shell size in turtles on water and electrolyte composition. Dunson WA, et al. **Am J Physiol** 1986 Jun; 250(6 Pt 2):R1133–7
Evidence for separate cellular origins of sodium and acid–base transport in the turtle bladder. Durnam JH, et al. **Am J Physiol** 1986 Apr;250(4 Pt 1):C609–16
Effect of osmolarity on cation fluxes in medullary thick ascending limb cells. Eveloff JL, et al. **Am J Physiol** 1986 Jan;250(1 Pt 2):F176–80
Network thermodynamic modeling of hormone regulation of active Na+ transport in cultured renal epithelium (A6). Fidelman ML, et al. **Am J Physiol** 1986 Jun;250(6 Pt 1):C978–91
Effects of saxitoxin analogues and ligand competition on sodium currents of squid axons. Frace AM, et al. **Am J Physiol** 1986 Aug;251(2 Pt 1):C159–66
Age–related changes in sodium–dependent glucose transport in rat small intestine. Freeman HJ, et al. **Am J Physiol** 1986 Aug;251(2 Pt 1):G208–17
Ammonium replaces potassium in supporting sodium transport by the Na–K–ATPase of renal proximal straight tubules. Garvin JL, et al. **Am J Physiol** 1985 Nov;249(5 Pt 2):F785–8
Characterization of the amiloride–sensitive Na+–H+ antiport of human neutrophils. Grinstein S, et al. **Am J Physiol** 1986 Feb;250(2 Pt 1):C283–91
Gamma radiation affects active electrolyte transport by rabbit ileum: basal Na and Cl transport. Gunter–Smith PJ. **Am J Physiol** 1986 Apr;250(4 Pt 1):G540–5
Effect of renal perfusion pressure on sodium reabsorption from proximal tubules of superficial and deep nephrons. Haas JA, et al. **Am J Physiol** 1986 Mar;250(3 Pt 2):F425–9
Active K transport across rabbit distal colon: relation to Na absorption and Cl secretion. Halm DR, et al. **Am J Physiol** 1986 Aug;251(2 Pt 1):C252–67
Intracellular mediators of Na+–K+ pump activity in guinea pig pancreatic acinar cells. Hootman SR, et al. **Am J Physiol** 1985 Oct;249(4 Pt 1):G470–8
Role of topology in bioenergetics of sodium transport in complex epithelia. Huf EG, et al. **Am J Physiol** 1986 Jun; 250(6 Pt 2):F1107–18
Amiloride–sensitive sodium–hydrogen exchange in osmotically shrunken rabbit red blood cells. Jennings ML, et al. **Am J Physiol** 1986 Jul;251(1 Pt 1):C32–40
Factors affecting renal handling of sodium, hydrogen ions, and bicarbonate by the fetus. Kesby GJ, et al. **Am J Physiol** 1986 Aug;251(2 Pt 2):F226–31
Effect of growth in low–Na+ medium on transport sites in cultured heart cells. Kim D, et al. **Am J Physiol** 1986 Jan;250(1 Pt 1):C32–9
Segmental localization of the rabbit renal proximal tubular Na+–H+ exchange system. Kragh–Hansen U, et al. **Am J Physiol** 1985 Nov;249(5 Pt 2):F704–12
Amiloride–inhibited Na+–H+ exchange in human kidney medulla microsomes. LaBelle EF. **Am J Physiol** 1986 Aug; 251(2 Pt 2):F232–7
Electrophysiology of sodium–coupled transport in proximal renal tubules. Lang F, et al. **Am J Physiol** 1986 Jun;250(6 Pt 2):F953–62 (75 ref.)
Ion transport in rat proximal colon in vivo. Lübcke R, et al. **Am J Physiol** 1986 Jul;251(1 Pt 1):G132–9
Alterations in active Na–K transport during mineralocorticoid–salt hypertension in the rat. Magliola L, et al. **Am J Physiol** 1986 Apr;250(4 Pt 1):C540–6
System ASC and sodium–independent neutral amino acid transport in muscle of uremic rats. Maroni BJ, et al. **Am J Physiol** 1986 Jul;251(1 Pt 2):F81–6
Independent Na+ and Cl– active transport by urinary bladder epithelium of brook trout. Marshall WS. **Am J Physiol** 1986 Feb;250(2 Pt 2):R227–34
Effects of increase in plasma calcium concentration on renal handling of NaCl and NaHCO3. Mercier O, et al. **Am J Physiol** 1986 Mar;250(3 Pt 2):F441–50
Sodium–dependent transport of Pi by an established intestinal epithelial cell line (CaCo–2). Mohrmann I, et al. **Am J Physiol** 1986 Mar;250(3 Pt 1):G323–30
Role of cell replication in regulation of Na–coupled hexose transport in LLC–PK1 epithelial cells. Moran A, et al. **Am J Physiol** 1986 Feb;250(2 Pt 1):C314–8
Transcellular sodium transport and intracellular sodium

activities in rabbit gallbladder. Moran WM, et al. **Am J Physiol** 1986 Jul;251(1 Pt 1):G155–9

Coupled sodium–calcium transport in cultured chick heart cells. Murphy E, et al. **Am J Physiol** 1986 Mar;250(3 Pt 1):C442–52

Intracellular K+ and Na+ activities under hypoxia, acidosis, and no glucose in dog hearts. Nakaya H, et al. **Am J Physiol** 1985 Dec;249(6 Pt 2):H1078–85

Comparison of ouabain-sensitive 86Rb uptake of canine renal and femoral arteries. Navran SS, et al. **Am J Physiol** 1986 Aug;251(2 Pt 1):C247–51

Atrial natriuretic factor inhibits Na–K–Cl cotransport in teleost intestine. O'Grady SM, et al. **Am J Physiol** 1985 Nov;249(5 Pt 1):C531–4

Stimulation of apical Na permeability and basolateral Na pump of toad urinary bladder by aldosterone. Palmer LG, et al. **Am J Physiol** 1986 Feb;250(2 Pt 2):F273–81

Sodium retention after adrenal enucleation. Perrone RD, et al. **Am J Physiol** 1986 Jan;250(1 Pt 1):E1–12 (86 ref.)

Glucose-coupled sodium absorption in the developing rat colon. Potter GD, et al. **Am J Physiol** 1986 Feb;250(2 Pt 1):G221–6

Ion transport by neonatal rabbit distal colon. Potter GD, et al. **Am J Physiol** 1986 Jun;250(6 Pt 1):G754–9

Characterization of a sodium pump–induced hyperpolarization in isolated human atrium. Rasmussen HH, et al. **Am J Physiol** 1986 Aug;251(2 Pt 2):H331–9

Na–K–Cl cotransport in apical membrane of rabbit renal papillary surface epithelium. Sands JM, et al. **Am J Physiol** 1986 Sep;251(3 Pt 2):F475–84

The amiloride–sensitive sodium channel. Sariban–Sohraby S, et al. **Am J Physiol** 1986 Feb;250(2 Pt 1):C175–90 (128 ref.)

Evidence for two cellular sodium compartments in suspensions of smooth muscle cells. Scheid CR, et al. **Am J Physiol** 1986 Jan;250(1 Pt 1):C76–83

Na+–Ca2+ exchange contributes to increase of cytosolic Ca2+ concentration during depolarization in heart muscle. Sheu SS, et al. **Am J Physiol** 1986 Apr;250(4 Pt 1):C651–6

Changes in intracellular sodium with chloride secretion in dog tracheal epithelium. Shorofsky SR, et al. **Am J Physiol** 1986 Apr;250(4 Pt 1):C646–50

Electrical activity and sodium transfer across in vitro pig placenta. Sibley CP, et al. **Am J Physiol** 1986 Mar;250(3 Pt 2):R474–84

Body sodium in rats: response to DOCA, adrenalectomy, changes in salt intake, and a salt load. Simpson FO, et al. **Am J Physiol** 1986 Mar;250(3 Pt 2):F551–8

Atrial natriuretic factor inhibits sodium transport in medullary collecting duct. Sonnenberg H, et al. **Am J Physiol** 1986 Jun;250(6 Pt 2):F963–6

Dependence of intracellular Na+ concentration on apical and basolateral membrane Na+ influx in frog skin. Stoddard JS, et al. **Am J Physiol** 1985 Nov;249(5 Pt 2):F662–71

Na+–K+ regulation in cultured vascular smooth muscle cell of the spontaneously hypertensive rat. Tamura H, et al. **Am J Physiol** 1986 Jun;250(6 Pt 1):C939–47

Aspects of electrolyte transport across isolated dog retinal pigment epithelium. Tsuboi S, et al. **Am J Physiol** 1986 May;250(5 Pt 2):F781–4

Sodium absorption and potassium secretion in rabbit colon during sodium deficiency. Turnheim K, et al. **Am J Physiol** 1986 Feb;250(2 Pt 2):F235–45

An established cell line from mouse kidney medullary thick ascending limb. II. Transepithelial electrophysiology. Valentich JD, et al. **Am J Physiol** 1986 Aug;251(2 Pt 1):C312–22

Effects of diuretic drugs on Na, Cl, and K transport by rat renal distal tubule. Velázquez H, et al. **Am J Physiol** 1986 Jun;250(6 Pt 2):F1013–23

Effect of systemic acid–base disorders on ileal intracellular pH and ion transport. Wagner JD, et al. **Am J Physiol** 1986 May;250(5 Pt 1):G588–93

Effect of sugars and amino acids on amphibian intestinal Cl–transport and intracellular Na+, K+, and Cl– activity. White JF, et al. **Am J Physiol** 1986 Jan;250(1 Pt 1):G109–17

Activators of protein kinase C inhibit sodium transport in A6 epithelia. Yanase M, et al. **Am J Physiol** 1986 Mar;250(3 Pt 1):C517–22

Role of sodium ion in transport of folic acid in the small intestine. Zimmerman J, et al. **Am J Physiol** 1986 Aug;251(2 Pt 1):G218–22

Sodium channels from squid to electric eel. Keynes RD. **An Acad Bras Cienc** 1985 Jun;57(2):239–47

Glucose and sodium transport in brush–border membrane vesicles from fetal rabbit kidney. Beck JC. **Ann NY Acad Sci** 1985;456:457–9

Na–K–Cl cotransport in chloride-transporting epithelia. Epstein FH, et al. **Ann NY Acad Sci** 1985;456:187–97 (29 ref.)

Na+ + K+ + 2Cl– cotransport in animal cells—its role in volume regulation. Geck P, et al. **Ann NY Acad Sci** 1985;456:166–82 (7 ref.)

Sodium–calcium exchange across the synaptic plasma membrane. Gill DL, et al. **Ann NY Acad Sci** 1985;456:250–3

Regulation of Na+/H+ exchange in lymphocytes. Grinstein S, et al. **Ann NY Acad Sci** 1985;456:207–19 (25 ref.)

Primary and secondary transport of cations in bacteria. Harold FM, et al. **Ann NY Acad Sci** 1985;456:375–83 (41 ref.)

Further studies of the effect of thyroid hormones on Na+–H+ exchange in renal brush–border membrane vesicles (BBMV). Kinsella JL, et al. **Ann NY Acad Sci** 1985;456:445–7

Relative rates of Na+–H+ and Cl(–)–OH– exchange reactions in isolated intestinal cells. Montrose MH, et al. **Ann NY Acad Sci** 1985;456:232–4

Regulation of the sodium–coupled glucose transport by glucose: protein synthesis dependence. Moran A, et al. **Ann NY Acad Sci** 1985;456:436–7

Electrical potential dependence of Na+–sugar cotransport determined using TPP+ influx. Restrepo D, et al. **Ann NY Acad Sci** 1985;456:77–9

Hormonal effects on sodium cotransport systems. Sacktor B, et al. **Ann NY Acad Sci** 1985;456:438–44 (24 ref.)

Electrophysiological studies of sodium cotransport in epithelia: toward a cellular model. Schultz SG, et al. **Ann NY Acad Sci** 1985;456:127–35 (33 ref.)

Postoperative sodium retention is a physiologic response to decreased extracellular volume [letter] McGuire HH Jr. **Ann Surg** 1986 Mar;203(3):336–7

Molecular properties of voltage–sensitive sodium channels. Catterall WA. **Annu Rev Biochem** 1986;55:953–85 (155 ref.)

Atrial natriuretic peptide: a new factor in hormonal control of blood pressure and electrolyte homeostasis. Atlas SA, et al. **Annu Rev Med** 1986;37:397–414 (62 ref.)

Effect of amiloride on the intracellular sodium and potassium content of intact Streptococcus faecalis cells in vitro. Giunta S, et al. **Antimicrob Agents Chemother** 1986 May; 29(5):958–9

Endogenous energy supply to the plasma membrane of dark aerobic cyanobacterium Anacystis nidulans: ATPase–independent efflux of H+ and Na+ from respiring cells. Erber WW, et al. **Arch Biochem Biophys** 1986 May 15;247(1):28–39

Functional characterization of the uncoupler–insensitive Na+ pump of the halotolerant bacterium, Ba1. Ken–Dror S, et al. **Arch Biochem Biophys** 1986 Jan;244(1):122–7

Distal blockade in experimental glomerulonephritis: the role of the diluting segment in sodium retention. Chachati A, et al. **Arch Int Physiol Biochim** 1985 Nov;93(4):299–306

Procaine effects on the sodium transport in frog skin. Flonta ML, et al. **Arch Int Physiol Biochim** 1985 Sep;93(3):223–9

Acute volume expansion: rat proximal tubular Na transport inhibition by autologous tubular fluid without changes in Na permeability. Györy AZ, et al. **Aust J Exp Biol Med Sci** 1985 Aug;63 (Pt 4):451–62

Single channel and whole cell sodium currents in heart cells. Wilson DL, et al. **Basic Res Cardiol** 1985;80 Suppl 2:61–4

The presence of Na+ channels in myometrial smooth muscle cells is revealed by specific neurotoxins. Amédée T, et al. **Biochem Biophys Res Commun** 1986 Jun 13;137(2):675–81

[3H]phenamil, a radiolabelled diuretic for the analysis of the amiloride–sensitive Na+ channels in kidney membranes. Barbry P, et al. **Biochem Biophys Res Commun** 1986 Feb 26;135(1):25–32

Na+/H+ exchange is present in basolateral membranes from rabbit small intestine. Barros F, et al. **Biochem Biophys Res Commun** 1986 Jan 29;134(2):827–34

Atrial natriuretic factor and cGMP inhibit amiloride–sensitive Na+ transport in the cultured renal epithelial cell line, LLC–PK1. Cantiello HF, et al. **Biochem Biophys Res Commun** 1986 Jan 29;134(2):852–60

Na–23 NMR spin–lattice relaxation times in rat tissues, and related modifications following CCl4 intoxication. Casu M, et al. **Biochem Biophys Res Commun** 1986 Feb 13; 134(3):1079–85

Biochemical characterization of the Na+/K+/Cl–co–transport in chick cardiac cells. Frelin C, et al. **Biochem Biophys Res Commun** 1986 Jan 14;134(1):326–31

Sarcolemmal Na+–Ca2+ exchange during the development of genetically determined cardiomyopathy. Makino N, et al. **Biochem Biophys Res Commun** 1985 Dec 17;133(2):491–7

Early stimulation of ATP turnover by EGF + insulin. Relation to external pH and Na+/H+ exchange system. Talha S, et al. **Biochem Biophys Res Commun** 1985 Nov 27;133(1):265–73

Effects of 1 alpha,25–dihydroxycholecalciferol on sodium–ion translocation across chick intestinal brush–border membrane. Fuchs R, et al. **Biochem J** 1985 Sep 1;230(2):441–9

Regulation of Na+ transport in brown adipose tissue. LaNoue KF, et al. **Biochem J** 1986 Apr 15;235(2):545–52

Na+/Ca2+ exchange in coated microvesicles. Saermark T, et al. **Biochem J** 1986 Feb 1;233(3):643–8

Evidence that amphetamine and Na+ gradient reversal increase striatal synaptosomal dopamine synthesis through carrier–mediated efflux of dopamine. Connor CE, et al. **Biochem Pharmacol** 1986 Sep 15;35(18):3123–30

Monensin–induced influx of 22Na and the release of catecholamines in cultured bovine adrenal medulla cells and isolated chromaffin granules. Izumi F, et al. **Biochem Pharmacol** 1986 Sep 1;35(17):2937–40

Molecular basis for active Na,K–transport by Na,K–ATPase from outer renal medulla. Jørgensen PL. **Biochem Soc Symp** 1985;50:59–79 (40 ref.)

Physicochemical characterization of the alpha–peptide of the sodium channel from rat brain. Elmer LW, et al. **Biochemistry** 1985 Dec 31;24(27):8128–37

Purification, sequence, and pharmacological properties of sea anemone toxins from Radianthus paumotensis. A new class of sea anemone toxins acting on the sodium channel. Schweitz H, et al. **Biochemistry** 1985 Jul 2;24(14):3554–61

Fluorescence assay for neurotoxin–modulated ion transport by the reconstituted voltage–activated sodium channel isolated from eel electric organ. Tomiko SA, et al. **Biochemistry** 1986 Apr 22;25(8):2162–74

Effects of amiloride on Na+ content and pinocytosis in Entamoeba histolytica. Bakker–Grunwald T, et al. **Biochim Biophys Acta** 1986 Jan 29;854(2):265–9

The role of molecular conformation in ion capture by carboxylic ionophores: a circular dichroism study of narasin A in single–phase solvents and liposomes. Caughey B, et al. **Biochim Biophys Acta** 1986 Jan 16;854(1):109–16

Characterization of the ATP–promoted aspect of Na+–Ca2+ exchange present in squid retinal nerve axolemma. Clark JM, et al. **Biochim Biophys Acta** 1986 Sep 11;860(3):662–71

Insulin–stimulated sodium transport in toad urinary bladder. Cobb MH, et al. **Biochim Biophys Acta** 1986 Mar 27; 856(1):123–9

Intracellular Na+, K+ and Cl– activities in Ehrlich ascites tumor cells. Dawson WD, et al. **Biochim Biophys Acta** 1986 Aug 21;860(2):293–300

The sodium cycle. I. Na+–dependent motility and modes of membrane energization in the marine alkalotolerant vibrio Alginolyticus. Dibrov PA, et al. **Biochim Biophys Acta** 1986 Jul 23;850(3):449–57

Regulation of Na+–H+ exchange by transmethylation reactions in rat colonic brush–border membranes. Dudeja PK, et al. **Biochim Biophys Acta** 1986 Jul 10;859(1):61–8

Orientation of synaptic plasma membrane vesicles containing calcium pump and sodium–calcium exchange activities. Gill DL, et al. **Biochim Biophys Acta** 1986 Mar 27;856(1):165–73

Presence of a potential–sensitive Na+ transport across renal brush–border membrane vesicles from rats of the Milan hypertensive strain. Hanozet GM, et al. **Biochim Biophys Acta** 1985 Oct 10;819(2):179–86

Tryptic modification of red–cell sodium pump behaviour. Harvey WJ, et al. **Biochim Biophys Acta** 1986 Apr 25; 856(3):496–504

Accumulations of cyclic AMP and inositol phosphates in guinea pig cerebral cortical synaptoneurosomes: enhancement by agents acting at sodium channels. Hollingsworth EB, et al. **Biochim Biophys Acta** 1986 Aug 6;883(1):15–25

Effects of perturbation of the Na+ electrochemical gradient on influx and efflux of alanine in isolated rat hepatocytes. Kristensen LO, et al. **Biochim Biophys Acta** 1986 Feb 13; 855(1):49–57

Effect of hypertonicity on the increase in basolateral conductance of Necturus small intestine in response to Na+–sugar cotransport. Lau KR, et al. **Biochim Biophys Acta** 1986 Feb 13;855(1):193–6

Na+–H+ exchange in the process of glucose–induced insulin release from the pancreatic B–cell. Effects of amiloride on 86Rb, 45Ca fluxes and insulin release. Lebrun P, et al. **Biochim Biophys Acta** 1986 May 29;886(3):448–56

Lii–Nao countertransport and Li leak in erythrocytes are differentially affected by membrane enrichment with cholesteryl hemisuccinate. Levy R, et al. **Biochim Biophys Acta** 1986 Jan 29;854(2):325–8

Stimulation of Na+/phosphate cotransport in LLC–PK1 cells by 12–O–tetradecanoylphorbol 13–acetate (TPA). Mohrmann I, et al. **Biochim Biophys Acta** 1986 Aug 7; 860(1):35–43

ATP–dependent calcium pump and Na+–Ca2+ exchange in plasma membrane vesicles from squid optic nerve. Osses L, et al. **Biochim Biophys Acta** 1986 Sep 11;860(3):583–91

Symmetry properties of the Na+–Ca2+ exchange mechanism in cardiac sarcolemmal vesicles. Philipson KD. **Biochim Biophys Acta** 1985 Dec 5;821(2):367–76

Separation and reconstitution of sodium–dependent glucose transport activity from renal brush–border membranes using gel–filtration chromatography. Poirée JC, et al. **Biochim Biophys Acta** 1986 Jun 13;858(1):83–91

Possible role of Ca2+–binding sites in the regulation of Na+ transport in toad urinary bladder. Hardy MA. **Biol Cell** 1985;55(3):251–5

Mechanism of inhibition by lithium of sodium transport in the toad bladder. Herrera FC, et al. **Biol Cell** 1985; 55(3):257–63

Content of K+ and Na+ in seminiferous tubule and rete testis fluids from Sertoli cell–enriched testes. Muffly KE, et al. **Biol Reprod** 1985 Dec;33(5):1245–51

Sodium, potassium, magnesium and calcium tissue levels in the rat during pregnancy. Romeu A, et al. **Biol Res Pregnancy Perinatol** 1986;7(2):52–5

Kidney function during arterial chemoreceptor stimulation. III. Long–lasting inhibition of renal tubular sodium reabsorption due to pharmacologic stimulation of the peripheral arterial chemoreceptors with almitrine bismesylate. Honig A, et al. **Biomed Biochim Acta** 1985; 44(11–12):1659–72

22Na and 86Rb effluxes from bull spermatozoa. Petzoldt R, et al. **Biomed Biochim Acta** 1986;45(6):755–60

Block of sodium channels by internal mono– and divalent guanidinium analogues. Modulation by sodium ion concentration. Danko M, et al. **Biophys J** 1986 Feb; 49(2):509–19

Inactivation of the sodium current in squid giant axons by hydrocarbons. Elliott JR, et al. **Biophys J** 1985 Oct; 48(4):617–22

Gating current harmonics. I. Sodium channel activation gating in dynamic steady states. Fohlmeister JF, et al.

Biophys J 1985 Sep;48(3):375–90
Gating current harmonics. II. Model simulations of axonal gating currents. Fohlmeister JF, et al. **Biophys J** 1985 Sep; 48(3):391–400
Internal cesium and the sodium inactivation gate in Myxicola giant axons. Goldman L. **Biophys J** 1986 Aug;50(2):231–8
Sodium–conducting channels in cardiac membranes in low calcium. Levi R, et al. **Biophys J** 1986 Jul;50(1):5–9
Opentime heterogeneity during bursting of sodium channels in frog skeletal muscle. Patlak JB, et al. **Biophys J** 1986 Mar;49(3):773–7
Saxitoxin blocks batrachotoxin–modified sodium channels in the node of Ranvier in a voltage–dependent manner. Rando TA, et al. **Biophys J** 1986 Mar;49(3):785–94
A quantitative description of QX222 blockade of sodium channels in squid axons. Starmer CF, et al. **Biophys J** 1986 Apr;49(4):913–20
Interactions of permeant cations with sodium channels of squid axon membranes. Yamamoto D, et al. **Biophys J** 1985 Sep;48(3):361–8
In vitro effects of verapamil and methoxy–verapamil [D 600] on transmembrane sodium and potassium transport in human erythrocytes. Guarena C, et al.
Boll Soc Ital Biol Sper 1985 Jun 30;61(6):819–24
Lithium stimulation of in vitro granulopoiesis: evidence for mediation via sodium transport pathways. Gallicchio VS. **Br J Haematol** 1986 Mar;62(3):455–66
The electrogenic Na–pump and spontaneous contraction of the hypokalemic rat duodenum. Akaike N, et al. **Br J Pharmacol** 1986 Aug;88(4):881–7
Transmembrane sodium and potassium gradients modulate histamine secretion induced by ionophore A23187. Amellal M, et al. **Br J Pharmacol** 1985 Aug;85(4):819–26
Effects of noradrenaline, vasopressin and angiotensin on the Na–K pump in rat isolated liver cells. Berthon B, et al. **Br J Pharmacol** 1985 Sep;86(1):151–61
Prostaglandin release mediates drug–induced stimulation of sodium transport in frog skin: the effects of quinacrine. Erlij D, et al. **Br J Pharmacol** 1985 Aug;85(4):775–81
Effect of stilboestrol on sodium balance, cardiac state, and renin–angiotensin–aldosterone activity in prostatic carcinoma [letter] Aitken JM. **Br Med J [Clin Res]** 1986 Feb 1;292(6516):343
Influence of dietary linoleic acid on leucocyte sodium transport and blood pressure. Heagerty AM, et al.
Br Med J [Clin Res] 1986 Aug 2;293(6542):295–7
Renal handling of calcium and sodium in metastatic and non–metastatic malignancy. Heller SR, et al.
Br Med J [Clin Res] 1986 Mar 1;292(6520):583–6
Effect of human atrial natriuretic peptide on blood pressure after sodium depletion in essential hypertension. Janssen WM, et al. **Br Med J [Clin Res]** 1986 Aug 9;293(6543):351–3
Reversible inhibition of leucocyte sodium pumps by a circulating serum factor in essential hypertension. Oh VM, et al. **Br Med J [Clin Res]** 1986 Jun 14;292(6535):1551–5
Evaluation of the electrophysiological consequences of GABA removal from the synaptic cleft by Na+ ion transport–coupled neuronal uptake. Cupello A, et al.
Brain Res 1985 Dec 9;358(1–2):364–6
Third ventricle choroid plexus function and its response to acute perturbations in plasma chemistry. Harbut RE, et al. **Brain Res** 1986 May 21;374(1):137–46
Properties of cAMP–induced transmembrane current in molluscneurons. Kononenko NI, et al. **Brain Res** 1986 Jun 25;376(2):239–45
Axonal transport of the voltage–dependent Na+ channel protein identified by its tetrodotoxin binding site in rat sciatic nerves. Lombet A, et al. **Brain Res** 1985 Oct 14; 345(1):153–8
Detection of cell surface sodium channels by monoclonal antibodies—could the channels become exposed to the external surface and 'down regulated' by binding to antibodies? Meiri H. **Brain Res** 1986 Mar 12;368(1):188–92
Sodium–independent binding of [3H]cocaine in mouse striatum is serotonin related. Reith ME, et al.
Brain Res 1985 Sep 2;342(1):145–8
A transmembrane sodium cycle in astrocytes. Walz W, et al. **Brain Res** 1986 Mar 19;368(2):226–32
The effect of removing area postrema on the sodium and potassium balances and consumptions in the rat. Watson WE. **Brain Res** 1985 Dec 16;359(1–2):224–32
Properties of voltage–sensitive sodium channels in neuroblastoma cells grown in chemically defined and serum–supplemented media. Willow M, et al. **Brain Res** 1985 Sep;354(1):146–9
Hemodynamics and sodium balance in conscious sodium–depleted rats. Salgado HC, et al.
Braz J Med Biol Res 1985;18(1):47–54
Study of sodium and potassium excretion after renal denervation and cholinergic stimulation of the lateral hypothalamic area of the rat. Silva–Netto CR, et al.
Braz J Med Biol Res 1985;18(1):29–36
Alterations of sarcolemmal Na+–Ca2+ exchange in catecholamine–induced cardiomyopathy. Makino N, et al.
Can J Cardiol 1985 May–Jun;1(3):225–32
Modification of cardiac sarcolemmal Na+–Ca2+ exchange by diltiazem and verapamil. Takeo S, et al.
Can J Cardiol 1985 Mar;1(2):131–8
Renal sodium transport in vitamin D resistant hypophosphatemic rickets. Brunette MG, et al.
Can J Physiol Pharmacol 1985 Oct;63(10):1339–44
An upper limit for the electrogenic Na–K pump contribution to maximum diastolic potential in feline cardiac Purkinje fibers in steady state. Hill JA Jr, et al.
Can J Physiol Pharmacol 1986 May;64(5):641–8
Inhibition of water–sodium intestinal absorption by an atrial extract. Martinez Seeber A, et al.
Can J Physiol Pharmacol 1986 Mar;64(3):244–7
Direct measurement of the influx of sodium in frog skeletal muscle. Menard MR. **Can J Physiol Pharmacol** 1986 Apr; 64(4):455–61
The significance of adrenaline–induced potentiation of electrogenic sodium pumping in bullfrog sympathetic ganglia. Smith PA, et al. **Can J Physiol Pharmacol** 1985 Sep;63(9):1182–9
Transient inhibition of the muscarinic actions of carbachol during reactivation of the electrogenic sodium pump in guinea pig taenia caeci smooth muscle. Török TL, et al.
Can J Physiol Pharmacol 1985 Jun;63(6):663–8
Geographic cancer risk and intracellular potassium/sodium ratios. Jansson B. **Cancer Detect Prev** 1986;9(3–4):171–94 (112 ref.)
Perturbation of glycoprotein processing affects the neurotoxin–responsive Na+ channel in neuroblastoma cells. Negishi M, et al. **Carbohydr Res** 1986 Jun 1; 149(1):185–98
Transport of Na+ inside the giant axon of squid. Chang DC.
Cell Biophys 1985 Jun;7(2):107–14
Embryonic induction and cation concentrations in amphibian embryos. Siegel G, et al. **Cell Differ** 1985 Nov;17(4):209–19
Further study of the correlation between Na–pump activity and membrane chemosensitivity. Ayrapetyan SN, et al.
Cell Mol Neurobiol 1985 Sep;5(3):231–43
Down regulation of sodium channels in nerve terminals of spontaneously epileptic mice. Willow M, et al.
Cell Mol Neurobiol 1986 Jun;6(2):213–20
Intracellular sodium and the positive inotropic effect of veratridine and cardiac glycoside in sheep Purkinje fibers. Brill DM, et al. **Circ Res** 1986 Jan;58(1):109–19
Lidocaine's negative inotropic and antiarrhythmic actions. Dependence on shortening of action potential duration and reduction of intracellular sodium activity. Sheu SS, et al.
Circ Res 1985 Oct;57(4):578–90
Myocardial sodium pump activity in endotoxin shock. Liu MS, et al. **Circ Shock** 1986;19(2):177–84
Does amrinone inhibition of stimulated bone resorption involve Na+–Ca++ exchange? Krieger NS, et al.
Circulation 1986 Mar;73(3 Pt 2):III59–64
Is the correlation between sodium–lithium countertransport and sodium–potassium cotransport an artifact of methodology?[letter] Smith JB, et al. **Clin Chim Acta** 1986 Jun 30;157(3):317–9
A reproducible procedure for measuring sodium transport in cultured human fibroblasts from normal and obese donors. Spurlock G, et al. **Clin Chim Acta** 1985 Dec 31; 153(3):225–32
Is salt–wasting in congenital adrenal hyperplasia due to the same gene as the fasciculata defect? Stoner E, et al.
Clin Endocrinol (Oxf) 1986 Jan;24(1):9–20
Sodium and hypertension: effect of dietary calcium supplementation on blood pressure. Doris PA.
Clin Exp Hypertens [A] 1985;7(10):1441–56
The effect of melittin on Na+ and Rb+ transport in cultured skin fibroblasts of the spontaneously hypertensive rat. Kino M, et al. **Clin Exp Hypertens [A]** 1985;7(9):1283–99
Effect of hydralazine on serial measurements of exchangeable sodium and blood pressure in spontaneously hypertensive rats. Manhem PJ, et al. **Clin Exp Hypertens [A]** 1985; 7(8):1045–57
Na+–K+ cotransport and hypertension. Effect of piretanide and hydrochlorothiazide on red blood cell sodium concentration in acutely salt–loaded hypertensive and normotensive rats. Scholz W, et al.
Clin Exp Hypertens [A] 1985;7(10):1427–40
Natriuretic effect of chronically administered alpha–human atrial natriuretic polypeptide in sodium depleted or repleted conscious spontaneously hypertensive rats. Kondo K, et al. **Clin Exp Pharmacol Physiol** 1986 May;13(5):417–24
Short–term augmented calcium intake has no effect on sodium homeostasis. Luft FC, et al.
Clin Pharmacol Ther 1986 Apr;39(4):414–9
Intracellular sodium concentration and transport in red cells in essential hypertension, hyperthyroidism, pregnancy and hypokalemia. Gless KH, et al. **Clin Physiol Biochem** 1986; 4(3):199–209
Effect of chlorothiazide on serial measurements of exchangeable sodium and blood pressure in spontaneously hypertensive rats. Manhem PJ, et al. **Clin Sci** 1985 Nov; 69(5):511–5
Effect of elevated blood pressure, renin and aldosterone on renal sodium handling in two–kidney Goldblatt hypertensive rats. Bikhazi AB, et al.
Comp Biochem Physiol [A] 1986;83(4):785–9
Electrolyte transport across rabbit late proximal colon in vitro. Clauss W, et al. **Comp Biochem Physiol [A]** 1985; 82(1):71–5
Cobalt–dependent stimulation of sodium transport in the amphibian skin and nephron. Natochin YuV, et al.
Comp Biochem Physiol [A] 1986;84(2):353–5
Melittin–induced changes in Na and Cl movements across the skin and cornea (in vitro) of the toad Bufo marinus. McGahan MC, et al. **Comp Biochem Physiol [C]** 1985; 82(2):291–6
Ammonium chloride inhibits Na+ and K+ transport in the cortical collecting tubule. Hamm LL, et al.
Contrib Nephrol 1985;47:125–9
Effect of dextran–bound acetazolamide on rabbit corneal endothelial ion fluxes. Green K, et al. **Curr Eye Res** 1986 Jul;5(7):543–6
The movement of sodium across short–circuited rabbit corneal endothelium. Wigham C, et al. **Curr Eye Res** 1985 Dec;4(12):1241–5
Clonal sublines of rat neurotumor RT4 and cell differentiation. V. Comparison of Na+ influx, Rb+ efflux, and action potential among stem–cell, neuronal, and glial cell types. Tomozawa Y, et al. **Dev Biol** 1985 Apr; 108(2):503–12
Ethanol inhibits Na+–gradient–dependent uptake of L–amino acids into intestinal brush border membrane vesicles. Beesley RC. **Dig Dis Sci** 1986 Sep;31(9):987–92
Acetate and citrate stimulate water and sodium absorption in the human jejunum. Rolston DD, et al. **Digestion** 1986; 34(2):101–4
The absence of any effect of alpha–human atrial natriuretic peptide on sodium transport and osmotic water flow in the toad bladder. Marumo F, et al. **Endocrinol Jpn** 1985 Dec;32(6):921–7
Blood pressure and urinary sodium and potassium excretion in cadmium–treated male rats. Nishiyama S, et al.
Environ Res 1986 Aug;40(2):357–64
Generation of plasma membrane potential by the Na+–pump coupled to proton extrusion. Bashford CL, et al.
Eur Biophys J 1985;12(4):229–35
Membrane electrogenesis and sodium transport in filamentous nitrogen–fixing cyanobacteria. Apte SK, et al.
Eur J Biochem 1986 Jan 15;154(2):395–401
Substrate stereochemistry of the biotin–dependent sodium pump glutaconyl–CoA decarboxylase from Acidaminococcus fermentans. Buckel W.
Eur J Biochem 1986 Apr 15;156(2):259–63
The sodium pump glutaconyl–CoA decarboxylase from Acidaminococcus fermentans. Specific cleavage by n–alkanols. Buckel W, et al. **Eur J Biochem** 1986 Apr 15; 156(2):251–7
Renal water and sodium handling in compensated liver cirrhosis: mechanism of the impaired natriuresis after saline loading. Caregaro L, et al. **Eur J Clin Invest** 1985 Dec; 15(6):360–4
Evidence for possible increase of sodium channel open time and involvement of Na/Ca exchange by a new positive inotropic drug: OPC–8212. Lathrop DA, et al.
Eur J Pharmacol 1985 Nov 19;117(3):391–2
Ketamine inhibits 45Ca influx and catecholamine secretion by inhibiting 22Na influx in cultured bovine adrenal medullary cells. Takara H, et al. **Eur J Pharmacol** 1986 Jun 17;125(2):217–24
Modulation of ATP–dependent calcium extrusion and Na+/Ca2+ exchange across rat cardiac sarcolemma by calcium antagonists. Van Amsterdam FT, et al.
Eur J Pharmacol 1986 Apr 29;123(3):441–9
Estimation of sodium uptake through the gill of the rainbow trout Salmo gairdneri. Gardaire E, et al. **Exp Biol** 1985; 44(3):181–9
Intracellular sodium–activity at rest and after tetanic stimulation in muscles of normal and dystrophic (dy2J/dy2J) C57BL/6J mice. Fong CN, et al.
Exp Neurol 1986 Aug;93(2):359–68
Membrane potential and intracellular potassium and sodium activities after denervation of soleus muscles of neonatal rats. Ward KM, et al. **Exp Neurol** 1986 Aug;93(2):419–22
Na+–coupled D–glucose uptake and membrane order of enterocyte brush border membrane vesicles, under the effect of a series of N–phenylcarbamates. Fernandez Y, et al. **FEBS Lett** 1986 May 26;201(1):119–23
Cell alkalinization is not necessary and increased sodium influx is not sufficient for stimulated superoxide production. Molski TF, et al. **FEBS Lett** 1986 Jul 28;203(2):267–72
Na+/Ca2+ exchange in isolated smooth muscle cells demonstrated by the fluorescent calcium indicator fura–2. Pritchard K, et al. **FEBS Lett** 1986 Jan 20;195(1–2):23–7
Deuterium NMR study of head–group deuterated phosphatidylserine in pure and binary phospholipid bilayers. Interactions with monovalent cations Na+ and Li+. Roux M, et al. **FEBS Lett** 1986 Apr 7;199(1):33–8
Transport of ions across the blood–brain barrier. Betz AL.
Fed Proc 1986 Jun;45(7):2050–4 (26 ref.)
Neural regulation of renal tubular sodium reabsorption and renin secretion. DiBona GF. **Fed Proc** 1985 Oct; 44(13):2816–22 (25 ref.)
Phytohemagglutinin from red kidney bean (Phaseolus vulgaris) inhibits sodium and chloride absorption in the rabbit ileum. Dobbins JW, et al. **Gastroenterology** 1986 Jun; 90(6):1907–13
Effect of magnesium on active and passive sodium transport in the human ileum. Fordtran JS, et al.
Gastroenterology 1985 Nov;89(5):1050–3
Genetic and environmental causes of variation in renal tubular handling of sodium and potassium: a twin study. Whitfield JB, et al. **Genet Epidemiol** 1985;2(1):17–27
Canine digitalis arrhythmia as a model for detecting Na–channel blocking antiarrhythmic drugs: a comparative study using other canine arrhythmia models and the new antiarrhythmic drugs, propafenone, tocainide, and SUN 1165. Hashimoto K, et al. **Heart Vessels** 1985 Feb; 1(1):29–35
Hepatorenal syndrome without avid sodium retention.

Dudley FJ, et al. **Hepatology** 1986 Mar-Apr;6(2):248-51
The sodium retention of cirrhosis: a reappraisal. Epstein M. **Hepatology** 1986 Mar-Apr;6(2):312-5
Sodium excretion in advanced cirrhosis: effect of expansion of central blood volume and suppression of plasma aldosterone. Nicholls KM, et al. **Hepatology** 1986 Mar-Apr; 6(2):235-8
Lithium infusion to study sodium handling in unanesthetized hypertensive rats. Biollaz J, et al. **Hypertension** 1986 Feb; 8(2):117-21
Prehypertensive changes in sodium transport induced by deoxycorticosterone acetate in incubated rat tail artery. Friedman SM, et al. **Hypertension** 1986 Jul;8(7):592-9
Genetic analysis of blood pressure and sodium balance in spontaneously hypertensive rats. Harrap SB. **Hypertension** 1986 Jul;8(7):572-82
Direct measurement of sodium influx in vascular smooth muscle. Stimulation by aldosterone. Menard MR, et al. **Hypertension** 1985 Nov-Dec;7(6 Pt 1):873-8
Renal alpha 2-adrenergic receptors multiply and mediate sodium retention after prazosin treatment. Smyth DD, et al. **Hypertension** 1986 Apr;8(4):323-31
Bumetanide-sensitive sodium-22 transport in vascular smooth muscle cell of the spontaneously hypertensive rat. Tokushige A, et al. **Hypertension** 1986 May;8(5):379-85
Relating the sodium current and conductance to the shape of transmembrane and extracellular potentials by simulation: effects of propagation boundaries. Spach MS, et al. **IEEE Trans Biomed Eng** 1985 Oct;32(10):743-55
Cellular sodium transport in arterial wall--summary of studies by digital computer simulation. Llaurado JG. **Int J Biomed Comput** 1986 Mar;18(2):103-22
Ion transport regulation by prostaglandins in mouse macrophages. Braquet P, et al. **Int J Tissue React** 1985; 7(4):303-8
Sodium balance and osmolarity in burn patients. Balogh D, et al. **Intensive Care Med** 1986;12(2):100-3
Effect of ambient pH on corneal endothelial sodium fluxes. Green K, et al. **Invest Ophthalmol Vis Sci** 1986 Aug; 27(8):1274-7
Urinary sodium retention in chronic liver disease: a summary. Levy M. **Isr J Med Sci** 1986 Feb;22(2):67-9
Sodium currents in single cardiac Purkinje cells. Fozzard HA, et al. **J Am Coll Cardiol** 1986 Jul;8(1 Suppl A):79A-85A
Sodium-amino acid cotransport by type II alveolar epithelial cells. Brown SE, et al. **J Appl Physiol** 1985 Nov; 59(5):1616-22
Effects of terbutaline on sodium transport in isolated perfused rat lung. Crandall ED, et al. **J Appl Physiol** 1986 Jan; 60(1):289-94
Effects of 0.5 ppm ozone on glycoprotein secretion, ion and water fluxes in sheep trachea. Phipps RJ, et al. **J Appl Physiol** 1986 Mar;60(3):918-27
Insulin--the sodium retaining effect. Alam SM, et al. **J Assoc Physicians India** 1985 Dec;33(12):779-81
Alkalophilic Bacillus firmus RAB generates variants which can grow at lower Na+ concentrations than the parental strain. Krulwich TA, et al. **J Bacteriol** 1986 Mar; 165(3):884-9
Proton transport catalyzed by the sodium pump. Ouabain-sensitive ATPase activity and the phosphorylation of Na,K-ATPase in the absence of sodium ions. Hara Y, et al. **J Biochem (Tokyo)** 1986 Feb;99(2):531-9
DCCD-sensitive, Na+-dependent H+-influx process coupled to membrane potential formation in membrane vesicles of Halobacterium halobium. Murakami N, et al. **J Biochem (Tokyo)** 1985 Oct;98(4):897-907
Sodium gradient-dependent L-glutamate transport is localized to the canalicular domain of liver plasma membranes. Studies in rat liver sinusoidal and canalicular membrane vesicles. Ballatori N, et al. **J Biol Chem** 1986 May 15;261(14):6216-21
Temperature sensitivity and substrate specificity of two distinct Na+-activated D-glucose transport systems in guinea pig jejunal brush border membrane vesicles. Brot-Laroche E, et al. **J Biol Chem** 1986 May 15; 261(14):6168-76
Immunoaffinity isolation of Na+ channels from rat skeletal muscle. Analysis of subunits. Casadei JM, et al. **J Biol Chem** 1986 Mar 25;261(9):4318-23
Coupling between the sodium and proton gradients in respiring Escherichia coli cells measured by 23Na and 31P nuclear magnetic resonance. Castle AM, et al. **J Biol Chem** 1986 Jun 15;261(17):7797-806
Sodium-dependent phosphate transport inhibited by parathyroid hormone and cyclic AMP stimulation in an opossum kidney cell line. Caverzasio J, et al. **J Biol Chem** 1986 Mar 5;261(7):3233-7
Interactions between the muscarinic receptors, sodium channels, and guanine nucleotide-binding protein(s) in rat atria. Cohen-Armon M, et al. **J Biol Chem** 1986 Sep 25; 261(27):12498-505
The sodium channel from rat brain. Reconstitution of voltage-dependent scorpion toxin binding in vesicles of defined lipid composition. Feller DJ, et al. **J Biol Chem** 1985 Sep 25;260(21):11542-7
Ca2+-induced down-regulation of Na+ channels in toad bladder epithelium. Garty H, et al. **J Biol Chem** 1986 Jun 5;261(16):7400-6
Na+/HCO3-co-transport in basolateral membrane vesicles isolated from rabbit renal cortex. Grassl SM, et al. **J Biol Chem** 1986 Jul 5;261(19):8778-83
[3H]bumetanide binding to duck red cells. Correlation with inhibition of (Na + K + 2Cl) co-transport. Haas M, et al. **J Biol Chem** 1986 Jun 25;261(18):8434-41
Parathyroid hormone increases sodium/calcium exchange activity in renal cells and the blunting of the response in aging. Hanai H, et al. **J Biol Chem** 1986 Apr 25; 261(12):5419-25
Kinetic properties of the sodium bicarbonate (carbonate) symport in monkey kidney epithelial cells (BSC-1). Interactions between Na+, HCO-3, and pH. Jentsch TJ, et al. **J Biol Chem** 1986 Aug 15;261(23):10673-9
Kidney epithelial cells of monkey origin (BSC-1) express a sodium bicarbonate cotransport. Characterization by 22Na+ flux measurements. Jentsch TJ, et al. **J Biol Chem** 1985 Dec 15;260(29):15554-60
Photoaffinity labeling of the epithelial sodium channel. Kleyman TR, et al. **J Biol Chem** 1986 Feb 25; 261(6):2839-43
Activation of 45Ca2+ influx and 22Na+/H+ exchange by epidermal growth factor and vanadate in A431 cells is independent of phosphatidylinositol turnover and is inhibited by phorbol ester and diacylglycerol. Macara IG. **J Biol Chem** 1986 Jul 15;261(20):9321-7
The sodium channel from rat brain. Role of the beta 1 and beta 2 subunits in saxitoxin binding. Messner DJ, et al. **J Biol Chem** 1986 Jan 5;261(1):211-5
Specific inhibition of [3H] saxitoxin binding to skeletal muscle sodium channels by geographutoxin II, a polypeptide channel blocker. Ohizumi Y, et al. **J Biol Chem** 1986 May 15;261(14):6149-52
Growth factors activate the bumetanide-sensitive Na+/K+/Cl-cotransport in hamster fibroblasts. Paris S, et al. **J Biol Chem** 1986 May 15;261(14):6177-83
Reconstitution and purification of the sodium- and chloride-coupled gamma-aminobutyric acid transporter from rat brain. Radian R, et al. **J Biol Chem** 1985 Sep 25;260(21):11859-65
Steroids, intracellular sodium levels, and Na+/K+-ATPase regulation. Rayson BM, et al. **J Biol Chem** 1985 Oct 15; 260(23):12740-3
Structural requirements for cocaine congeners to interact with [3H]batrachotoxinin A 20-alpha-benzoate binding sites on sodium channels in mouse brain synaptosomes. Reith ME, et al. **J Biol Chem** 1986 Jun 5;261(16):7300-5
Liver plasma membrane calcium transport. Evidence for a Na+-dependent Ca2+ flux. Schanne FA, et al. **J Biol Chem** 1986 Jul 25;261(21):9886-9
Reconstitution of a bacterial Na+/H+ antiporter. Seto-Young D, et al. **J Biol Chem** 1985 Sep 25; 260(21):11393-5
Effects of low extracellular sodium on cytosolic ionized calcium. Na+-Ca2+ exchange as a major calcium influx pathway in kidney cells. Snowdowne KW, et al. **J Biol Chem** 1985 Dec 5;260(28):14998-507
Effect of interleukin-1 on intracellular concentration of sodium, calcium, and potassium in 70Z/3 cells. Stanton TH, et al. **J Biol Chem** 1986 May 5;261(13):5699-701
Phosphonocarboxylic acids as specific inhibitors of Na+-dependent transport of phosphate across renal brush border membrane. Szczepanska-Konkel M, et al. **J Biol Chem** 1986 May 15;261(14):6375-83
Generation of Na+ electrochemical potential by the Na+-motive NADH oxidase and Na+/H+ antiport system of a moderately halophilic Vibrio costicola. Udagawa T, et al. **J Biol Chem** 1986 Feb 25;261(6):2616-22
Effect of phospholipid composition on activity of sodium-dependent leucine transport system in Pseudomonas aeruginosa. Uratani Y, et al. **J Biol Chem** 1986 Apr 25;261(12):5450-4
Use- and voltage-dependent depression by ethmozine (moricizine) of the rapid inward sodium current in single rat ventricular muscle cells. Schubert B, et al. **J Cardiovasc Pharmacol** 1986 Mar-Apr;8(2):358-66
Lithium-sodium countertransport: physiological moorings for red cell transport disorders in hypertension. Weder AB, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 5:S76-81 (26 ref.)
Early events elicited by bombesin and structurally related peptides in quiescent Swiss 3T3 cells. II. Changes in Na+ and Ca2+ fluxes, Na+/K+ pump activity, and intracellular pH. Mendoza SA, et al. **J Cell Biol** 1986 Jun; 102(6):2223-33
Nerve growth factor does not activate Na+/H+ exchange in PC12 pheochromocytoma cells. Chandler CE, et al. **J Cell Physiol** 1985 Dec;125(3):367-78
Characterization of a BALB/c 3T3 preadipose cell mutant with altered Na+K+Cl- cotransport activity. Sussman I, et al. **J Cell Physiol** 1985 Jul;124(1):153-9
Cell pH in the rat proximal convoluted tubule. Regulation by luminal and peritubular pH and sodium concentration. Alpern RJ, et al. **J Clin Invest** 1986 Aug;78(2):502-10
Atrial natriuretic peptide transcription, secretion, and glomerular receptor activity during mineralocorticoid escape in the rat. Ballermann BJ, et al. **J Clin Invest** 1986 Sep;78(3):840-3
Sodium and water balance in chronic congestive heart failure. Cody RJ, et al. **J Clin Invest** 1986 May;77(5):1441-52
Sodium-hydrogen exchange and glucose transport in renal microvillus membrane vesicles from rats with diabetes mellitus. Harris RC, et al. **J Clin Invest** 1986 Mar; 77(3):724-33
Sodium transport by rat cortical collecting tubule. Effects of vasopressin and desoxycorticosterone. Reif MC, et al. **J Clin Invest** 1986 Apr;77(4):1291-8
Development of slow Ca2+-Na+ channels during organ culture of young embryonic chick hearts. Kojima M, et al. **J Dev Physiol** 1985 Dec;7(6):355-63
Dopamine effects on adrenocorticotrophin-stimulated aldosterone, cortisol, corticosterone and 11-deoxycorticosteroid concentrations in sodium-replete and sodium-deplete man. Connell JM, et al. **J Endocrinol** 1986 Jun;109(3):339-44
Aldosterone regulates salivary sodium secretion in cattle. Riad F, et al. **J Endocrinol** 1986 Mar;108(3):405-11
Action of polyvalent cations on sodium transport across skin of larval and adult Rana catesbeiana. Alvarado RH, et al. **J Exp Zool** 1985 Nov;236(2):127-36
The Limulus sperm motility-initiating peptide initiates acrosome reactions in sea water lacking potassium. Clapper DL, et al. **J Exp Zool** 1985 Nov;236(2):211-7
A possible effect of the Na+ concentration in oviductal fluid on amino acid uptake by cleavage-stage mouse embryos. Van Winkle LJ, et al. **J Exp Zool** 1985 Jul;235(1):141-5
Furosemide-sensitive Na and K fluxes in human red cells. Net uphill Na extrusion and equilibrium properties. Brugnara C, et al. **J Gen Physiol** 1986 Jan;87(1):91-112
Na channel distribution in vertebrate skeletal muscle. Caldwell JH, et al. **J Gen Physiol** 1986 Jun;87(6):907-32
Basolateral Na-H exchange in the rabbit cortical collecting tubule. Chaillet JR, et al. **J Gen Physiol** 1985 Dec; 86(6):795-812
Na+ and K+ transport at basolateral membranes of epithelial cells. III. Voltage independence of basolateral membrane Na+ efflux. Cox TC, et al. **J Gen Physiol** 1986 Mar;87(3):503-9
Na+ and K+ transport at basolateral membranes of epithelial cells. II. K+ efflux and stoichiometry of the Na,K-ATPase. Cox TC, et al. **J Gen Physiol** 1986 Mar; 87(3):485-502
Na+ and K+ transport at basolateral membranes of epithelial cells. I. Stoichiometry of the Na,K-ATPase. Cox TC, et al. **J Gen Physiol** 1986 Mar;87(3):467-83
Voltage dependence of the Na/Ca exchange in voltage-clamped, dialyzed squid axons. Na-dependent Ca efflux. Dipolo R, et al. **J Gen Physiol** 1985 Oct;86(4):457-78
Kinetics of intramembrane charge movement and conductance activation of batrachotoxin-modified sodium channels in frog node of Ranvier. Dubois JM, et al. **J Gen Physiol** 1985 Sep;86(3):381-94
Ba2+ unmasks K+ modulation of the Na+-K+ pump in the frog retinal pigment epithelium. Griff ER, et al. **J Gen Physiol** 1985 Dec;86(6):853-76
"Creep currents" in single frog atrial cells may be generated by electrogenic Na/Ca exchange. Hume JR, et al. **J Gen Physiol** 1986 Jun;87(6):857-84
Electroneutral Na/H exchange may depolarize the membrane potential in steady state. Jacob R, et al. **J Gen Physiol** 1985 Dec;86(6):891-5
Sodium channels in planar lipid bilayers. Channel gating kinetics of purified sodium channels modified by batrachotoxin. Keller BU, et al. **J Gen Physiol** 1986 Jul; 88(1):1-23
Effects of altering the ATP/ADP ratio on pump-mediated Na/K and Na/Na exchanges in resealed human red blood cell ghosts. Kennedy BG, et al. **J Gen Physiol** 1986 Jan; 87(1):47-72
Voltage-dependent gating of veratridine-modified Na channels. Leibowitz MD, et al. **J Gen Physiol** 1986 Jan; 87(1):25-46
Two modes of gating during late Na+ channel currents in frog sartorius muscle. Patlak JB, et al. **J Gen Physiol** 1986 Feb;87(2):305-26 (44 ref.)
Dependence of ionized and total Ca in squid axons on Nao-free or high-Ko conditions. Requena J, et al. **J Gen Physiol** 1986 Jan;87(1):143-59
Alpha- and beta-adrenergic mediation of changes in metabolism and Na/K exchange in rat brown fat. Schneider-Picard G, et al. **J Gen Physiol** 1985 Aug; 86(2):169-88
Decline of electrogenic Na+/K+ pump activity in rod photoreceptors during maintained illumination. Shimazaki H, et al. **J Gen Physiol** 1986 Apr;87(4):633-47
Kinetics of veratridine action on Na channels of skeletal muscle. Sutro JB. **J Gen Physiol** 1986 Jan;87(1):1-24 (66 ref.)
Removal of sodium channel inactivation in squid axon by the oxidant chloramine-T. Wang GK, et al. **J Gen Physiol** 1985 Aug;86(2):289-302
Kinetic analysis of the action of Leiurus scorpion alpha-toxin on ionic currents in myelinated nerve. Wang GK, et al. **J Gen Physiol** 1985 Nov;86(5):739-62
Trimethyloxonium modification of single batrachotoxin-activated sodium channels in planar bilayers. Changes in unit conductance and in block by saxitoxin and calcium. Worley JF 3d, et al. **J Gen Physiol** 1986 Feb; 87(2):327-49 (45 ref.)
A study of 48-hour faecal and urinary electrolyte excretion in normotensive black and white South African males. Barlow RJ, et al. **J Hypertens** 1986 Apr;4(2):197-200
Body sodium/blood volume state in normotensive members of normotensive and hypertensive families. Beretta-Piccoli C, et al. **J Hypertens** 1986 Apr;4(2):229-34
Effects of changes in sodium balance on leucocyte sodium

transport: qualitative differences in normotensive offspring of hypertensives and matched controls. Heagerty AM, et al. J Hypertens 1986 Jun;4(3):333–7
Changes in sodium pump activity and vascular contraction. Mulvany MJ. J Hypertens 1985 Oct;3(5):429–36 (98 ref.)
Sodium and potassium concentrations of renal cortical cells two animal models of primary arterial hypertension. Beck F, et al. J Hypertension [Suppl] 1983 Dec;1(2):38–9
Altered active sodium and calcium transport by heart sarcolemmal membranes from young spontaneously hypertensive rats: modulation by calmodulin. Cirillo M, et al. J Hypertension [Suppl] 1984 Dec;2(3):S485–7
Converting enzyme inhibition to identify and treat renin–mediated or sodium–volume related forms of increased peripheral resistance in hypertension and in congestive heart failure. Cody RJ, et al. J Hypertension [Suppl] 1983 Oct;1(1):77–84
Investigation of the endogenous Na+–pump inhibitor in essential hypertension and blood volume expansion. Devynck MA, et al. J Hypertension [Suppl] 1984 Dec; 2(3):S453–5
The natriuretic response to acute saline loading in normotensive and hypertensive renal transplant recipients. Mimran A, et al. J Hypertension [Suppl] 1983 Dec;1(2):55–7
Activation of the Na+/H+ antiport is not required for lectin–induced proliferation of human T lymphocytes. Mills GB, et al. J Immunol 1986 Feb 15;136(4):1150–4
Effect of sodium taurocholate on amiloride–inhibitable sodium uptake and on intracellular pH of isolated rat hepatocytes. Beer CE, et al. J Lab Clin Med 1986 Aug; 108(2):109–16
Profound pharmacologic inhibition of renal tubule sodium and water reabsorption in rats. Middendorf D, et al. J Lab Clin Med 1985 Oct;106(4):455–60
Ascites kinetics in cirrhosis: relationship to plasma–ascites hydrostatic–oncotic balance and intensity of renal sodium retention. Rector WG Jr, et al. J Lab Clin Med 1986 May; 107(5):412–9
Na+/Ca2+ countertransport in plasma membrane of rat pancreatic acinar cells. Bayerdörffer E, et al. J Membr Biol 1985;87(2):107–19
Role of the Na+/H+ antiport in the regulation of the internal pH of Ehrlich ascites tumor cells in culture. Doppler W, et al. J Membr Biol 1986;91(2):147–55
Protamine reversibly decreases paracellular cation permeability in Necturus gallbladder. Fromm M, et al. J Membr Biol 1985;87(2):141–50
Cell sodium activity and sodium pump function in frog skin. García–Díaz JF, et al. J Membr Biol 1986;92(1):37–46
Effects of internal and external pH on amiloride–blockable Na+ transport across toad urinary bladder vesicles. Garty H, et al. J Membr Biol 1985;87(1):67–75
The Na–K–2Cl cotransport system. Geck P, et al. J Membr Biol 1986;91(2):97–105 (98 ref.)
Effects of nystatin on intracellular contents and membrane transport of alkali cations, and cell volume in HeLa cells. Ikehara T, et al. J Membr Biol 1986;90(3):231–40
Modification of single cardiac Na+ channels by DPI 201–106. Kohlhardt M, et al. J Membr Biol 1986; 89(2):163–72
Sodium flux in the apical membrane of the toad skin: aspects of its regulation and the importance of the ionic strength of the outer solution upon the reversibility of amiloride inhibition. Lacaz–Vieira F. J Membr Biol 1986;92(1):27–36
Synthesis and characterization of methylbromoamiloride, a potential biochemical probe of epithelial Na+ channels. Lazorick K, et al. J Membr Biol 1985;86(1):69–77
Sodium–dependent ion cotransport in steady–state Ehrlich ascites tumor cells. Levinson C. J Membr Biol 1985; 87(2):121–30
Effects of external K concentration on the electrogenicity of the insulin–stimulated Na,K–pump in frog skeletal muscle. Marunaka Y. J Membr Biol 1986;91(2):165–72
Detection of sodium channel distribution in rat sciatic nerve following lysophosphatidylcholine–induced demyelination. Meiri H, et al. J Membr Biol 1986;92(1):47–56
Kinetics of the effect of amiloride on the permeability of the apical membrane of rabbit descending colon to sodium. Moran WM, et al. J Membr Biol 1985;87(1):55–65
Interactions of amiloride and other blocking cations with the apical Na channel in the toad urinary bladder. Palmer LG. J Membr Biol 1985;87(3):191–9
The mechanistic nature of the membrane potential dependence of sodium–sugar cotransport in small intestine. Restrepo D, et al. J Membr Biol 1985;87(2):159–72
Voltage dependence of Na channel blockage by amiloride: relaxation effects in admittance spectra. Warncke J, et al. J Membr Biol 1985;86(3):255–65
Effects of fatty acids on Na/Ca exchange in cardiac sarcolemmal membranes. Ashavaid TF, et al. J Mol Cell Cardiol 1985 Sep;17(9):851–61
Methylation of critical carboxyl groups in the vicinity of the sodium channel of guinea–pig atrium. Freeman SE, et al. J Mol Cell Cardiol 1986 Jan;18(1):99–108
Strophanthidin and potassium on intracellular sodium activity in sheep heart. Gretler DD. J Mol Cell Cardiol 1985 Nov; 17(11):1105–13
The sodium/hydrogen exchange system in cardiac cells: its biochemical and pharmacological properties and its role in regulating internal concentrations of sodium and internal pH. Lazdunski M, et al. J Mol Cell Cardiol 1985 Nov; 17(11):1029–42 (96 ref.)
Strophanthidin inotropy: role of intracellular sodium ion activity and sodium–calcium exchange. Lee CO, et al. J Mol Cell Cardiol 1985 Nov;17(11):1043–53
Pathways for the movements of ions during calcium–free perfusion and the induction of the 'calcium paradox'. Tunstall J, et al. J Mol Cell Cardiol 1986 Mar;18(3):241–54
Activation of the voltage–sensitive sodium channel by a beta–scorpion toxin in rat brain nerve–ending particles. Bablito J, et al. J Neurochem 1986 Jun;46(6):1763–70
Developmental appearance of sodium channel subtypes in rat skeletal muscle cultures. Haimovich B, et al. J Neurochem 1986 Oct;47(4):1148–53
Identification of sodium–dependent, high–affinity choline uptake sites in rat brain with [3H]hemicholinium–3. Manaker S, et al. J Neurochem 1986 Feb;46(2):483–8
Ionizing radiation alters the properties of sodium channels in rat brain synaptosomes. Mullin MJ, et al. J Neurochem 1986 Aug;47(2):489–95
Cerebrovascular permeability coefficients to sodium, potassium, and chloride. Smith QR, et al. J Neurochem 1986 Jun;46(6):1732–42
Neurogenetic analysis of Drosophila mutations affecting sodium channels: synergistic effects on visibility and nerve conduction in double mutants involving tip–E. Ganetzky B. J Neurogenet 1986 Jan;3(1):19–31
The tip–E mutation of Drosophila decreases saxitoxin binding and interacts with other mutations affecting nerve membrane excitability. Jackson FR, et al. J Neurogenet 1986 Jan;3(1):1–17
Na+ and Ca2+ currents of acutely isolated adult rat nodose ganglion cells. Ikeda SR, et al. J Neurophysiol 1986 Mar; 55(3):527–39
3H–batrachotoxinin–A benzoate binding to voltage–sensitive sodium channels: inhibition by the channel blockers tetrodotoxin and saxitoxin. Brown GB. J Neurosci 1986 Jul;6(7):2064–70
Neurotoxin–sensitive sodium channels in neurons developing in vivo and in vitro. Couraud F, et al. J Neurosci 1986 Jan;6(1):192–8
Effect of monensin on deoxyglucose uptake in cultured astrocytes: energy metabolism is coupled to sodium entry. Yarowsky P, et al. J Neurosci 1986 Mar;6(3):859–66
Energy costs of ion pumping by animal tissues. Milligan LP, et al. J Nutr 1985 Oct;115(10):1374–82 (64 ref.)
The effect of auranofin on the colonic transport of Na+ and fluid in the rat. Hardcastle J, et al. J Pharm Pharmacol 1986 Jun;38(6):466–8
Effects of detergents on sodium transport in toad urinary bladder. Li JH, et al. J Pharmacol Exp Ther 1986 Aug; 238(2):415–21
pKa does not predict pH potentiation of sodium channel blockade by lidocaine and W6211 in guinea pig ventricular myocardium. Moorman JR, et al. J Pharmacol Exp Ther 1986 Jul;238(1):159–66
Inhibition of Na+ flux in Chinese hamster ovary cells and Swiss 3T3 cells by a potent new derivative of amiloride, methylisopropyl–amiloride. O'Donnell ME, et al. J Pharmacol Exp Ther 1986 Jun;237(3):853–61
Inhibition of electrogenic Na–pumping attributable to binding of cardiac steroids to high–affinity pump sites in human atrium. Rasmussen HH, et al. J Pharmacol Exp Ther 1985 Dec;235(3):629–35
Structure–activity relationship for substance P inhibition of carbamylcholine–stimulated 22Na+ flux in neuronal (PC12) and non–neuronal (BC3H1) cell lines. Simasko SM, et al. J Pharmacol Exp Ther 1985 Dec;235(3):601–5
Blockade of endothelium–dependent relaxation by the amiloride analog dichlorobenzamil: possible role of Na+/Ca++ exchange in the release of endothelium–derived relaxant factor. Winquist RJ, et al. J Pharmacol Exp Ther 1985 Dec;235(3):644–50
The in situ perfused spinal cord of the rat. Applicability of drugs and chemicals, sodium–lithium exchange, and calcium reduction to functional intact central nervous system tissue. Deutschmann W, et al. J Pharmacol Methods 1986 Apr;15(2):143–55
Activation of acetylcholine synthesis in cat sympathetic ganglia: dependence on external choline and sodium–pump rate. Birks RI, et al. J Physiol (Lond) 1985 Oct;367:401–17
Sodium/calcium exchange and intracellular calcium buffering in ferret myocardium: an ion–sensitive micro–electrode study. Chapman RA. J Physiol (Lond) 1986 Apr;373:163–79
Oxygen consumption and active sodium and chloride transport in bovine tracheal epithelium. Durand J, et al. J Physiol (Lond) 1986 Mar;372:51–62
Sodium–calcium exchange in the outer segments of bovine rod photoreceptors. Schnetkamp PP. J Physiol (Lond) 1986 Apr;373:25–45
Glycine and Na+ transport in preimplantation mouse embryos. Hobbs JG, et al. J Reprod Fertil 1986 May; 77(1):61–6
Arterial smooth muscle effects of aldosterone and vasopressin: action on ionic fluxes. Moura AM, et al. J Steroid Biochem 1986 Jan;24(1):427–9
Isomorphism on a physical system of the Hodgkin–Huxley equations for sodium conductance: toxin allosteric effects and gating currents. Strandberg MW. J Theor Biol 1985 Dec 7;117(3):385–96
Enhanced red cell sodium permeability in patients with borderline hypertension. Saito K, et al. Jpn Heart J 1986 Jan;27(1):43–53
Proton–coupled transport of organic solutes in animal cell membranes and its relation to Na+ transport. Hoshi T. Jpn J Physiol 1985;35(2):179–91 (69 ref.)
Reduction in the myocardial sodium current by halothane and thiamylal. Ikemoto Y, et al. Jpn J Physiol 1986; 36(1):107–21
Two types of cation channels in the basolateral cell membrane of human salivary gland acinar cells. Maruyama Y, et al. Jpn J Physiol 1986;36(1):219–23
Trypargine blocks the sodium channels only from the inside of squid giant axon. Seyama I, et al. Jpn J Physiol 1985; 35(2):367–73
Is the site of action of grayanotoxin the sodium channel gating of squid axon? Seyama I, et al. Jpn J Physiol 1985; 35(3):401–10
Differentiation of the active sodium transport system during metamorphosis in Rana catesbeiana skin in relation to cadmium– and amiloride–induced responses. Takada M. Jpn J Physiol 1985;35(3):525–34
Relationship between energy requirements for Na+ reabsorption and other renal functions. Cohen JJ. Kidney Int 1986 Jan;29(1):32–40 (61 ref.)
Primary active sodium transport, oxygen consumption, and ATP: coupling and regulation. Mandel LJ. Kidney Int 1986 Jan;29(1):3–9 (49 ref.)
Body sodium–blood volume state, aldosterone, and cardiovascular responsiveness after calcium entry blockade with nifedipine. Marone C, et al. Kidney Int 1985 Oct; 28(4):658–65
A new ion exchanger with high in vivo sodium capacity. Mason NS, et al. Kidney Int [Suppl] 1985 Dec;17:S178–82
Hypertrophy of basolateral Na–K pump activity in the proximal tubule of the remnant kidney. Salehmoghaddam S, et al. Lab Invest 1985 Oct;53(4):443–52
Cell membrane sodium transport: a correlation between human resistance vessels and leucocytes. Aalkjaer C, et al. Lancet 1986 Mar 22;1(8482):649–51
The rapid adjustment of renal sodium excretion to changes in dietary sodium intake in sheep. Grim CE, et al. Life Sci 1986 Jul 21;39(3):215–22
Stimulation of Na+–Ca2+ exchange in heart sarcolemma by insulin. Gupta MP, et al. Life Sci 1986 Sep 22; 39(12):1077–83
Lipid methylation, sodium transport and the response to PTH in renal tubules. Hise MK, et al. Life Sci 1986 Sep 1; 39(9):831–5
Observation of intracellular potassium and sodium in the heart by NMR: a major fraction of potassium is "invisible". Fossel ET, et al. Magn Reson Med 1986 Aug;3(4):534–40
Hypertension and diabetes in obesity: a review and new ideas on the contributing role of ions. el–Mallakh RS. Med Hypotheses 1986 Jan;19(1):47–55
Single–channel recordings from two types of amiloride–sensitive epithelial Na+ channels. Hamilton KL, et al. Membr Biochem 1986;6(2):149–71
Blocking mechanisms of batrachotoxin–activated Na channels in artificial bilayers. Uehara A, et al. Membr Biochem 1986;6(2):111–47 (59 ref.)
A sodium–pump defect in diabetic peripheral nerve corrected by sorbinil administration: relationship to myo–inositol metabolism and nerve conduction slowing. Greene DA. Metabolism 1986 Apr;35(4 Suppl 1):60–5
Preparation, characterization, and reconstitution of oxaloacetate decarboxylase from Klebsiella aerogenes, a sodium pump. Dimroth P. Methods Enzymol 1986; 125:530–40
Sodium–driven flagellar motors of alkalophilic Bacillus. Imae Y, et al. Methods Enzymol 1986;125:582–92
Ion extrusion systems in Escherichia coli. Rosen BP. Methods Enzymol 1986;125:328–36
Sodium translocation by NADH oxidase of Vibrio alginolyticus: isolation and characterization of the sodium pump–defective mutants. Tokuda H. Methods Enzymol 1986;125:520–30
Sodium compartmentalization of the arterial wall revisited: ouabain, temperature and enzymatic effects. Ponce–Hornos JE, et al. Methods Find Exp Clin Pharmacol 1986 Apr; 8(4):213–21
Sodium cotransport processes in renal epithelial cell lines. Rabito CA. Miner Electrolyte Metab 1986;12(1):32–41 (59 ref.)
Sodium entry pathways in renal epithelial cell lines. Saier MH Jr, et al. Miner Electrolyte Metab 1986;12(1):42–50 (46 ref.)
The influence of harmaline on the movements of sodium ions in smooth muscle of the guinea pig ileum. Suleiman MS, et al. Mol Cell Biochem 1985 Jul;67(2):145–50
Serum factors affect Na+ pump activity and DNA synthesis in cultured cerebellar neural cells. Atterwill CK, et al. Mol Cell Endocrinol 1985 Nov;43(1):105–10
Mechanism of action of a polypeptide neurotoxin from the coral Goniopora on sodium channels in mouse neuroblastoma cells. Gonoi T, et al. Mol Pharmacol 1986 Apr;29(4):347–54
Effects of amiloride and ouabain on contractile state, Ca and Na fluxes, and Na content in cultured chick heart cells. Kim D, et al. Mol Pharmacol 1986 Apr;29(4):363–71
Inhibition of multiple trans–sarcolemmal cation flux pathways by dichlorobenzamil in cultured chick heart cells. Kim D, et al. Mol Pharmacol 1986 Aug;30(2):164–70
Brevetoxins, unique activators of voltage–sensitive sodium channels, bind to specific sites in rat brain synaptosomes.

Poli MA, et al. **Mol Pharmacol** 1986 Aug;30(2):129–35
The interaction between the activator agents batrachotoxin and veratridine and the gating processes of neuronal sodium channels. Rando TA, et al. **Mol Pharmacol** 1986 May; 29(5):467–77
Role of sodium–calcium exchange and effects of calcium entry blockers on endothelial-mediated responses in rat isolated aorta. Schoeffter P, et al. **Mol Pharmacol** 1986 Jul; 30(1):53–7
Endoneurial sodium accumulation in galactosemic rat nerves. Mizisin AP, et al. **Muscle Nerve** 1986 Jun;9(5):440–4
Cellular sodium transport in essential hypertension. Hilton PJ. **N Engl J Med** 1986 Jan 23;314(4):222–9 (45 ref.)
Red-cell lithium–sodium countertransport and renal lithium clearance in hypertension. Weder AB. **N Engl J Med** 1986 Jan 23;314(4):198–201
Fluorescently labelled Na+ channels are localized and immobilized to synapses of innervated muscle fibres. Angelides KJ. **Nature** 1986 May 1–7;321(6065):63–6
Na–Ca exchange current in mammalian heart cells. Kimura J, et al. **Nature** 1986 Feb 13–19;319(6054):596–7
Identification of Na–Ca exchange current in single cardiac myocytes. Mechmann S, et al. **Nature** 1986 Feb 13–19; 319(6054):597–9
The role of co-transported sodium in the effect of indirectly acting sympathomimetic amines. Bönisch H.
Naunyn Schmiedebergs Arch Pharmacol 1986 Feb; 332(2):135–41
Negative inotropic effects of tetrodotoxin and seven class 1 antiarrhythmic drugs in relation to sodium channel blockade. Honerjäger P, et al.
Naunyn Schmiedebergs Arch Pharmacol 1986 Feb; 332(2):184–95
Inhibition of Na+-pump enhances carbachol-induced influx of 45Ca2+ and secretion of catecholamines by elevation of cellular accumulation of 22Na+ in cultured bovine adrenal medullary cells. Wada A, et al.
Naunyn Schmiedebergs Arch Pharmacol 1986 Apr; 332(4):351–6
Water and electrolyte metabolism in thiamine deficiency. Statius van Eps LW, et al. **Neth J Med** 1985;28(10):408–15
Photoaffinity labeling of the tetrodotoxin binding component of Electrophorus electricus electroplax. Uehara S, et al. **Neurochem Res** 1985 Aug;10(8):1119–28
Differences in intramembranous particle distribution in the paranodal axolemma are not associated with functional differences of dorsal and ventral roots. Fields RD, et al. **Neurosci Lett** 1986 Jun 6;67(1):13–8
Characterization of calcium and sodium currents in porcine pars intermedia cells. Taleb O, et al. **Neurosci Lett** 1986 May 6;66(1):55–60
Electrical activity of mouse motor endings during muscle reinnervation. Angaut-Petit D, et al. **Neuroscience** 1985 Dec;16(4):1047–56
Sodium channel neurotoxins as probes of the knockdown resistance mechanism. Bloomquist JR, et al.
Neurotoxicology 1986 Spring;7(1):217–23
Alanine enhances jejunal sodium absorption in the presence of glucose: studies in piglet viral diarrhea. Rhoads JM, et al. **Pediatr Res** 1986 Sep;20(9):879–83
The effect of metoclopramide administration on electrolyte status and activity of renin–angiotensin–aldosterone system in premature infants. Sulyok E, et al. **Pediatr Res** 1985 Sep; 19(9):912–5
The gut: the unobtrusive regulator of sodium balance. Michell AR. **Perspect Biol Med** 1986 Winter;29(2):203–13
Electrical and molecular coupling between sodium and proton fluxes in basolateral membrane vesicles of rat liver. Fuchs R, et al. **Pflugers Arch** 1986 Apr;406(4):430–2
An effect of noradrenaline on resting potential and Na activity in sheep cardiac Purkinje fibres. Glitsch HG, et al. **Pflugers Arch** 1986 Feb;406(2):144–50
Na+ selective channels in the apical membrane of rabbit late proximal tubules (pars recta). Gögelein H, et al.
Pflugers Arch 1986 Feb;406(2):198–203
Inhibitory effects of harvested proximal tubular fluid on Jv and delta cNa during acute saline volume expansion in the rat. György AZ, et al. **Pflugers Arch** 1985;405 Suppl 1:S136–42
Regulation of intracellular sodium and pH by the electrogenic H+ pump in frog skin. Harvey BJ, et al.
Pflugers Arch 1986 Apr;406(4):362–6
Blocking and modifying actions of octanol on Na channels in frog myelinated nerve. Hirche G. **Pflugers Arch** 1985 Oct;405(3):180–7
Toxin gamma of the scorpion Tityus serrulatus modifies both activation and inactivation of sodium permeability of nerve membrane. Jonas P, et al. **Pflugers Arch** 1986 Jul; 407(1):92–9
Potassium and sodium shifts during in vitro isometric muscle contraction, and the time course of the ion-gradient recovery. Juel C. **Pflugers Arch** 1986 May;406(5):458–63
Beta-adrenergic modulation of the Na+–K+ pump in frog skeletal muscles. Kaibara K, et al. **Pflugers Arch** 1985 Sep; 405(1):24–8
The effects of thyroid hormones on 3H-ouabain binding site concentration, Na,K-contents and 86Rb-efflux in rat skeletal muscle. Kjeldsen K, et al. **Pflugers Arch** 1986 May; 406(5):529–35
Preferential block of skeletal muscle sodium channels by geographutoxin II, a new peptide toxin from Conus geographus. Kobayashi M, et al. **Pflugers Arch** 1986 Aug; 407(2):241–3
A mathematical model of amphibian skin epithelium with two types of transporting cellular units. Larsen EH, et al. **Pflugers Arch** 1985;405 Suppl 1:S50–8
Kinetics of sodium current and gating current in the frog node of Ranvier. Meves H, et al. **Pflugers Arch** 1986 Jul; 407(1):18–26
Voltage dependent modification of sodium channel gating with water-soluble carbodiimide. Mozhayeva GN, et al. **Pflugers Arch** 1986 Jan;406(1):31–6
Sodium conductance and the activation potential in Xenopus laevis eggs. Peres A, et al. **Pflugers Arch** 1985 Sep; 405(1):29–36
The effect of temperature on Na currents in rat myelinated nerve fibres. Schwarz JR. **Pflugers Arch** 1986 Apr; 406(4):397–404
The dependence on chloride ions of the loop diuretic sensitive component of passive sodium efflux from human red cells. Shennan DB, et al. **Pflugers Arch** 1986 Mar; 406(3):333–9
Effects of toxins VI and VII from the scorpion Centruroides sculpturatus on the Na currents of the frog node of Ranvier. Simard JM, et al. **Pflugers Arch** 1986 Jun;406(6):620–8
Evidence from O2 uptake measurements for Na+ –K+ –2 Cl– co-transport in the rabbit submandibular gland. Smaje LH, et al. **Pflugers Arch** 1986 May;406(5):492–6
Supersensitivity of the renal tubule to catecholamines in the chronically denervated canine kidney. Szénási G, et al.
Pflugers Arch 1986 Jan;406(1):57–9
Volume regulation and basolateral co-transport of sodium, potassium, and chloride ions in frog skin epithelium. Ussing HH. **Pflugers Arch** 1985;405 Suppl 1:S2–7
Voltage dependence of the blocking rate constants of amiloride at apical Na channels. Warncke J, et al.
Pflugers Arch 1985;405 Suppl 1:S89–94
Electrogenic sodium–bicarbonate symport in cultured corneal endothelial cells. Wiederholt M, et al.
Pflugers Arch 1985;405 Suppl 1:S167–71
Rheogenic sodium–bicarbonate cotransport in the peritubular cell membrane of rat renal proximal tubule. Yoshitomi K, et al. **Pflugers Arch** 1985 Dec;405(4):360–6
How big is the electrochemical potential difference of Na+ across rat renal proximal tubular cell membranes in vivo? Yoshitomi K, et al. **Pflugers Arch** 1985;405 Suppl 1:S121–6
Impairment of Na+ transport across frog skin by Tl+: effects on turnover, area density and saturation kinetics of apical Na+ channels. Zeiske W, et al. **Pflugers Arch** 1986 Aug;407(2):145–52
Relations between Na+, Ca2+ and K+ extracellular concentrations and the effects of PGE2 on the longitudinal muscle of the guinea pig caecum. Venkova K, et al.
Pharmacol Res Commun 1986 Jun;18(6):543–56
Effect of bovine heart atrial natriuretic and diuretic fractions on sodium transport in isolated toad skin. Norris BC, et al. **Pharmacology** 1986;33(3):157–66
Sodium transport and distribution of electrolytes in frog skin. Duncan RL, et al. **Physiol Chem Phys Med NMR** 1985; 17(2):155–72
Regulation of active Na+–K+ transport in skeletal muscle. Clausen T. **Physiol Rev** 1986 Jul;66(3):542–80 (280 ref.)
Utilization of sodium from sodium bicarbonate by broiler chicks. Damron BL, et al. **Poult Sci** 1986 Apr;65(4):782–5
Sodium bioavailability from phosphate sources. Damron BL, et al. **Poult Sci** 1985 Sep;64(9):1772–6
Regulation of phosphatidylinositol turnover in brain synaptoneurosomes: stimulatory effects of agents that enhance influx of sodium ions. Gusovsky F, et al.
Proc Natl Acad Sci USA 1986 May;83(9):3003–7
Egg-laying hormone of Aplysia induces a voltage-dependent slow inward current carried by Na+ in an identified motoneuron. Kirk MD, et al. **Proc Natl Acad Sci USA** 1986 May;83(9):3017–21
Urinary kallikrein: a physiological regulator of epithelial Na+ absorption. Lewis SA, et al.
Proc Natl Acad Sci USA 1986 Jul;83(14):5345–8
Atrial natriuretic factor stimulates Na/K/Cl cotransport in vascular smooth muscle cells. O'Donnell ME, et al.
Proc Natl Acad Sci USA 1986 Aug;83(16):6132–6
Activation of Na+/H+ exchange in cultured fibroblasts: synergism and antagonism between phorbol ester, Ca2+ ionophore, and growth factors. Vicentini LM, et al.
Proc Natl Acad Sci USA 1985 Dec;82(23):8053–6
Is tetrodotoxin block of cardiac sodium channels voltage dependent? Hondeghem LM, et al.
Proc West Pharmacol Soc 1985;28:9–10
Indomethacin inhibits the uptake of 22sodium by ovine trophoblastic tissue in vitro. Lewis GS. **Prostaglandins** 1986 Jan;31(1):111–22
Anion control of sodium absorption in the colon. Roediger WE, et al. **Q J Exp Physiol** 1986 Apr;71(2):195–204
Osmotically induced drinking in the goat: an osmoreceptor or a sodium receptor mechanism? Thornton SN, et al.
Q J Exp Physiol 1985 Oct;70(4):549–56
The renin–angiotensin–aldosterone system in decompensated cirrhosis: its activity in relation to sodium balance. Sellars L, et al. **Q J Med** 1985 Aug;56(220):485–96
The significance of the effects of insulin on Na,K-transport in muscle cells. Clausen T. **Regul Pept [Suppl]** 1985;4:59–67
Modulation of Na/H exchange by a tumor promoting phorbol ester in different fibroblast cell lines. Vicentini LM, et al. **Regul Pept [Suppl]** 1985;4:30–2
Impaired sodium excretion in experimental glomerulonephritis: an explanation for the controversies in the literature. Chachati A, et al. **Renal Physiol** 1985; 8(6):338–47
Sodium transport in vascular smooth muscle cells from resistance vessels. Aalkjaer C, et al.
Scand J Clin Lab Invest [Suppl] 1986;180:49–53
Role of exogenous factors in alterations of red cell Na+–Li+ exchange and Na+–K+ cotransport in essential hypertension, primary hyperaldosteronism, and hypokalemia. Duhm J, et al.
Scand J Clin Lab Invest [Suppl] 1986;180:82–95 (93 ref.)
Membrane transport pathways and essential hypertension. Funder J. **Scand J Clin Lab Invest [Suppl]** 1986;180:24–8
Membrane transport of ions in hypertension: a review. Heagerty AM, et al. **Scand J Clin Lab Invest [Suppl]** 1986; 180:54–64 (85 ref.)
Evidence for a circulating Na,K-pump inhibitor in essential hypertension. Hilton PJ.
Scand J Clin Lab Invest [Suppl] 1986;180:65–71 (24 ref.)
Vascular effects of altered sodium, potassium pump activity. Mulvany MJ. **Scand J Clin Lab Invest [Suppl]** 1986;180:40–8
Lymphocyte sodium efflux in normotensive and borderline hypertensive subjects with and without heredity for hypertension. Pedersen KE, et al.
Scand J Clin Lab Invest [Suppl] 1986;180:101–3
The sodium, potassium-pump. Skou JC.
Scand J Clin Lab Invest [Suppl] 1986;180:11–23
Ion channels and fluid secretion in exocrine glands. Petersen OH. **Sci Prog** 1986;70(278 Pt 2):251–61
Regulation of erythrocyte cation and water content in sickle cell anemia. Brugnara C, et al. **Science** 1986 Apr 18; 232(4748):388–90
Functional differences between two classes of sodium channels in developing rat skeletal muscle. Weiss RE, et al. **Science** 1986 Jul 18;233(4761):361–4
Effects of ciguatoxin on current and voltage clamped frog myelinated nerve fibre. Benoit E, et al. **Toxicon** 1986; 24(4):357–64
Evaluation of normal brain sodium levels in cattle. Martin T, et al. **Vet Hum Toxicol** 1986 Aug;28(4):308–9
Light induced sodium dependent accumulation of calcium and potassium in the extracellular space of bee retina. Minke B, et al. **Vision Res** 1986;26(5):679–90
Na+–H+ exchange, oncogenes and growth regulation in normal and tumor cells. Ives HE. **West J Med** 1985 Sep; 143(3):365–70 (32 ref.)
[Role of the plasma membrane in the distribution of potassium, sodium and calcium in ram sperm during deep freezing] Profirov Ia, et al. **Vet Med Nauki** 1986;23(3):73–7 (Eng. Abstr.) **(Bul)**
[Deficiency of kidney yang and activity of the sodium pump in human red cells] Zha LL.
Chung Hsi I Chieh Ho Tsa Chih 1985 Jul;5(7):416–7, 388 (Eng. Abstr.) **(Chi)**
[Secondary active transport] Shechter E. **Biochimie** 1986 Mar;68(3):357–65 (53 ref.) (Eng. Abstr.) **(Fre)**
[Physiology and pharmacology of the Na and K channels of axon membranes] Dubois JM. **J Physiol (Paris)** 1985; 80(2):120–8 (Eng. Abstr.) **(Fre)**
[Effects of RU 28318 on 22Na and 86Rb efflux from arterial smooth muscle] Moura AM, et al. **Nephrologie** 1985; 6(3):144 **(Fre)**
[Isolation and purification of an endogenous digitalis-like compound. Physiological and pathological role] Cloix JF, et al. **Rev Med Brux** 1986 Apr;7(4):201–6 (Eng. Abstr.) **(Fre)**
[Change in sodium and potassium concentration in human seminal plasma infected experimentally with Ureaplasma urealyticum] Mehl M, et al. **Andrologia** 1986 Mar–Apr; 18(2):224–9 (Eng. Abstr.) **(Ger)**
[Distribution and course of sodium, potassium and calcium levels in seminal plasma of bulls] Petzoldt R, et al.
Arch Exp Veterinarmed 1985 May;39(3):309–18 (Eng. Abstr.) **(Ger)**
[Intensive saluresis] Pupita F, et al. **Clin Ter** 1985 Oct 15; 115(1):51–6 **(Ita)**
[Catecholamine inhibition of cardiac Na+ channel via stimulation of beta-adrenoceptors] Hisatome I, et al.
Kokyu To Junkan 1985 Nov;33(11):1295–303 **(Jpn)**
[Characteristics of Na+ transport and water permeability in a monolayer of a cell line (MDCK) derived from canine kidney] Marumo F, et al. **Nippon Jinzo Gakkai Shi** 1986 Jan;28(1):1–9 (Eng. Abstr.) **(Jpn)**
[Review on internal medicine, 1984. Electrolyte disturbance. I-1. Regulation of water and sodium metabolism: urine-concentrating mechanisms and action of vasopressin] Imai M. **Nippon Naika Gakkai Zasshi** 1985 Jun;74(6):675–9 (15 ref.) **(Jpn)**
[A case of congenital stomatocytosis with normal sodium fluxes, normal enzyme activities of red cells, but with increased osmotic fragility of red cells] Kuratsuji T, et al.
Rinsho Ketsueki 1986 Mar;27(3):338–43 (Eng. Abstr.) **(Jpn)**
[Sodium as an energy coupling ion] Unemoto T.
Seikagaku 1985 Nov;57(11):1526–30 **(Jpn)**
[Main cation transport in nerve endings] Lachowicz L.
Postepy Biochem 1985;31(2):247–62 (103 ref.) **(Pol)**
[Physiopathology of arterial hypertension. III. The kallikrein–kinins system, prostaglandins and electrolytes] Francischetti EA, et al. **Arq Bras Cardiol** 1985 Mar; 44(3):193–206 **(Por)**
[Intraneuronal information processing. An increase in sodium

and decrease in potassium permeability after injection of cyclic nucleotide and mechanical stimulation of the neuron] Liberman EA, et al. **Biofizika** 1985 Jul–Aug;30(4):632–6 (Eng. Abstr.) (Rus)

[Effect of monovalent cations on the ratio of RNA transcripts from DNA with different repetitive sequences in leukemia P-388 cells] Danko IM, et al. **Biokhimiia** 1986 Mar; 51(3):458–62 (Eng. Abstr.) (Rus)

[Energy characteristics of the transport of monovalent cations in ascites tumor cells] Kaz'min SD, et al. **Biokhimiia** 1986 Jan;51(1):95–102 (Eng. Abstr.) (Rus)

[Frequency-dependent blockade of sodium channels in isolated rat myocardial cells by the anti-arrhythmia agent ethmozine] Schubert B, et al. **Biull Eksp Biol Med** 1986 May;101(5):581–3 (Eng. Abstr.) (Rus)

[Mechanism of stimulation by cobalt ions of sodium channels in the apical membrane of the frog skin (fluctuation analysis)] Bezrukov SM, et al. **Dokl Akad Nauk SSSR** 1986; 286(4):993–7 (Rus)

[Proton-activated sodium conduction in the brain neurons of the rat] Vrublevskiĭ SV, et al. **Dokl Akad Nauk SSSR** 1985;284(4):990–3 (Rus)

[Various membrane mechanisms of disorders on cardiac function of immune origin] Cherednichenko GA, et al. **Fiziol Zh** 1986 Jan–Feb;32(1):43–50 (Eng. Abstr.) (Rus)

[Permeability of the cell membrane of secretory cells to ions at rest by the intracellular dialysis method] Klevets MIu. **Fiziol Zh** 1986 Mar–Apr;32(2):224–7 (Eng. Abstr.) (Rus)

[Relation between the process of tetrodotoxin block of the inward sodium current and the concentration of sodium ions in the medium] Sorokina ZA, et al. **Fiziol Zh** 1986 Jul–Aug;32(4):442–8 (Eng. Abstr.) (Rus)

[Age-related changes in the membrane potential of stimulated cells, affecting the mechanism of active ion transport] Tanin SA, et al. **Fiziol Zh** 1985 Jul–Aug;31(4):445–51 (Eng. Abstr.) (Rus)

[Cadmium ion block of the sodium currents of the membrane of isolated cardiomyocytes] Verkhratskiĭ AN. **Fiziol Zh** 1986 Jul–Aug;32(4):476–8 (Eng. Abstr.) (Rus)

[Electroregulated sodium channels of the somatic membrane of sympathetic neurons] Veselovskiĭ NS, et al. **Neirofiziologiia** 1986;18(1):108–17 (Eng. Abstr.) (Rus)

[Sodium and calcium channels of the somatic membrane of neuroblastoma cells during artificially induced differentiation] Veselovskiĭ NS, et al. **Neirofiziologiia** 1986; 18(2):207–14 (Eng. Abstr.) (Rus)

[Dependence of ion transport across the plasma membrane on the density of the cell culture. I. Ion flows and the potassium and sodium content in 3 Chinese hamster cell lines (CHO)] Marakhova II, et al. **Tsitologiia** 1985 Sep; 27(9):1011–20 (Eng. Abstr.) (Rus)

[Dependence of ion transport across the plasma membrane on cell culture density. II. Active and passive cation transport during the growth of L cell cultures] Marakhova II, et al. **Tsitologiia** 1985 Oct;27(10):1156–63 (Eng. Abstr.) (Rus)

[Stimulating action of cadmium on the Na-dependent transport of organic acid in the frog kidney] Nikiforov AA. **Tsitologiia** 1985 Jul;27(7):834–7 (Eng. Abstr.) (Rus)

[Na+ and K+ binding by glycerinated muscle fibers at equal concentrations of the chlorides of these cations in the medium] Shapiro EA, et al. **Tsitologiia** 1985 Oct; 27(10):1164–71 (Eng. Abstr.) (Rus)

[Heavy water inhibition of the transport of alkaline cations across the muscle membrane. I. A comparison of different types of sodium transfer] Vereninov AA, et al. **Tsitologiia** 1985 Nov;27(11):1264–70 (Eng. Abstr.) (Rus)

[Heavy water inhibition of alkali cation transport across the muscle membrane. II. A comparison of the action of D20 and ouabain on the sodium efflux and rubidium influx in magnesium media] Vereninov AA, et al. **Tsitologiia** 1985 Dec;27(12):1359–66 (Eng. Abstr.) (Rus)

[Relation between the functional characteristics of fast sodium channels and lipid composition of neuroblastoma C1300 cells] Gulaia NM, et al. **Ukr Biokhim Zh** 1986 Jan–Feb;58(1):44–8 (Eng. Abstr.) (Rus)

[The sodium-renin profile and intravascular blood volume in the pathogenesis of steroid hypertension in patients with glomerulonephritis] Tareeva NE, et al. **Vestn Akad Med Nauk SSSR** 1985;(11):14–20 (Eng. Abstr.) (Rus)

[Inhibition of Na+, K+-ATPase activity by sodium channel blockers] Reznik LV, et al. **Vopr Med Khim** 1985 Jul–Aug; 31(4):122–4 (Eng. Abstr.) (Rus)

[Extracellular fluid and the central regulation of water and sodium] Guevara-Rojas A. **Bol Estud Med Biol** 1984–85; 33(1–8):65–76 (29 ref.) (Eng. Abstr.) (Spa)

[Cations and arterial hypertension] Puschett JB. **Rev Clin Esp** 1985 Nov;177(7):303–6 (Spa)

[Chronic hemolysis associated with a disorder of erythrocyte permeability to sodium and potassium cations] Vives Corrons JL, et al. **Sangre (Barc)** 1985;30(4–A):478–89 (Eng. Abstr.) (Spa)

PHARMACODYNAMICS

The effect of external sodium on ouabain-insensitive K influx in fresh human red blood cells. Pfliegler G, et al. **Acta Biochim Biophys Acad Sci Hung** 1984;19(3–4):281–8

Regulation of membrane histamine H1-receptor binding sites by guanine nucleotides, mono- and divalent cations. Carman-Kržan M. **Agents Actions** 1986 Apr;18(1–2):120–3

Dietary sodium, calcium, and potassium, and blood pressure. Kok FJ, et al. **Am J Epidemiol** 1986 Jun;123(6):1043–8

Hemodynamic effects of vanadate administration in rats with different levels of sodium intake. Lopez-Novoa JM, et al. **Am J Med Sci** 1986 Mar;291(3):152–6

Effects of sodium on iodide transport in primary cultures of turtle thyroid cells. Chow SY, et al. **Am J Physiol** 1986 Apr;250(4 Pt 1):E464–9

Kinetics of Cl-dependent K influx in human erythrocytes with and without external Na: effect of NEM. Kaji D, et al. **Am J Physiol** 1985 Nov;249(5 Pt 1):C490–6

Phosphate transport across rat jejunum: influence of sodium, pH, and 1,25-dihydroxyvitamin D3. Lee DB, et al. **Am J Physiol** 1986 Jul;251(1 Pt 1):G90–5

Response of rat jejunum to changes in sodium and volume balance. Levens NR. **Am J Physiol** 1986 Sep;251(3 Pt 1):G413–20

Electrogenic Na+-independent Pi transport in canine renal basolateral membrane vesicles. Schwab SJ, et al. **Am J Physiol** 1986 Mar;250(3 Pt 2):F419–24

Different temperature sensitivity and cation specificity of two distinct D-glucose/Na+ cotransport systems in the intestinal brush-border membrane. Brot-Laroche E, et al. **Ann NY Acad Sci** 1985;456:47–50

Comments and experiments on the kinetics of Na+ gradient-coupled glucose transport as found in rabbit jejunal brush-border membrane vesicles. Crane RK. **Ann NY Acad Sci** 1985;456:36–46 (20 ref.)

Sodium cotransport systems and the membrane potential difference. Eddy AA. **Ann NY Acad Sci** 1985;456:51–62 (25 ref.)

Small proteins affect Na+ gradient-dependent D-glucose transport in isolated renal brush-border membrane vesicles. Elgavish A, et al. **Ann NY Acad Sci** 1985;456:101–4

Na+-dependent D-glucose transport in brush-border membrane vesicles of chick small intestine: relation to Na+/H+ exchange and H+ permeability. Fuchs R, et al. **Ann NY Acad Sci** 1985;456:105–7

Ion-coupled neurotransmitter transport across the synaptic plasma membrane. Kanner BI, et al. **Ann NY Acad Sci** 1985; 456:153–61 (40 ref.)

The potential dependence of the intestinal Na+-dependent sugar transporter. Kimmich GA, et al. **Ann NY Acad Sci** 1985;456:63–76 (24 ref.)

Alkali cations, freeze-thawing and reconstitution of Na+-dependent amino-acid transport activity. McCormick JI, et al. **Ann NY Acad Sci** 1985;456:121–3

Kinetic model of the brush-border proline/sodium (IMINO) cotransporter. Stevens BR, et al. **Ann NY Acad Sci** 1985; 456:115–7

A new Na+-independent transport system for dipolar amino acids apparently corresponding to systems persisting after erythrocyte maturation in some mammalian genotypes. Vadgama JV, et al. **Ann NY Acad Sci** 1985;456:454–6

Development of Na+-dependent hexose transport in cultured renal epithelial cells (LLC-PK1). Weiss ER, et al. **Ann NY Acad Sci** 1985;456:420–35 (35 ref.)

Sodium-dependent conformational changes in the intestinal glucose carrier. Wright EM, et al. **Ann NY Acad Sci** 1985; 456:108–14

Regulation of respiration by Na+ and K+ in the halotolerant bacterium, Ba1. Ken-Dror S, et al. **Arch Biochem Biophys** 1985 Nov 15;243(1):238–45

An NADH:quinone oxidoreductase of the halotolerant bacterium Ba1 is specifically dependent on sodium ions. Ken-Dror S, et al. **Arch Biochem Biophys** 1986 Feb 1; 244(2):766–72

Asymmetric reconstitution of the glucose transporter from Ehrlich ascites cell plasma membrane: role of alkali cations. McCormick JI, et al. **Arch Biochem Biophys** 1986 Jul; 248(1):379–89

Sodium ion stimulates the release of atrial natriuretic polypeptides (ANP) from rat atria. Arjamaa O, et al. **Biochem Biophys Res Commun** 1985 Oct 15;132(1):375–81

Adrenergic-agonist-induced Ca2+ fluxes in rat parotid cells are not Na+-dependent. Helman J, et al. **Biochem J** 1985 Sep 1;230(2):313–20

Characterization of Na+-dependent phosphate uptake in cultured kidney cells (JTC-12) from monkey. Takuwa Y, et al. **Biochem J** 1985 Sep 15;230(3):715–21

Changes in resident rat peritoneal macrophage eicosanoid release, induced by altering the buffer K+/Na+ ratio, are Ca2+ dependent. Elliott GR, et al. **Biochim Biophys Acta** 1985 Dec 4;837(3):213–21

An Na+-stimulated Mg2+-transport system in human red blood cells. Féray JC, et al. **Biochim Biophys Acta** 1986 Mar 27;856(1):76–84

Na+-dependent p-aminohippurate transport at the basolateral side of the isolated perfused rat kidney. Itoh N, et al. **Biochim Biophys Acta** 1986 Sep 11;860(3):592–9

The Ba2+ sensitivity of the Na+-induced Ca2+ efflux in heart mitochondria: the site of inhibitory action. Lukács GL, et al. **Biochim Biophys Acta** 1986 Jun 13;858(1):125–34

Basolateral amino acid transport systems in the perfused exocrine pancreas: sodium-dependency and kinetic interactions between influx and efflux mechanisms. Mann GE, et al. **Biochim Biophys Acta** 1986 Jun 26;858(2):263–74

Free protons do not substitute for sodium ions in buffer-mediated phosphorylation of (Na+ + K+)-ATPase. Schuurmans Stekhoven FM, et al. **Biochim Biophys Acta** 1986 Jan 16;854(1):21–30

Sodium and buffer cations inhibit dephosphorylation of (Na+ + K+)-ATPase. Schuurmans Stekhoven FM, et al. **Biochim Biophys Acta** 1986 Mar 13;855(3):375–82

The role of transmembrane sodium gradient in rabbit ileal smooth muscle: utilization of harmaline. Suleiman MS. **Biosci Rep** 1985 Aug;5(8):667–71

Sodium increases angiotensin II receptors in neuronal cultures from brains of normotensive and hypertensive rats. Feldstein JB, et al. **Brain Res** 1986 Apr 9;370(2):265–72

The interaction between a Na+-channel toxin and brain microtubule proteins in vitro. Hargreaves AJ, et al. **Brain Res** 1986 Jul;387(1):43–51

Different receptor sites for Ca2+ and Na+ in single water fibers of the frog glossopharyngeal nerve. Kitada Y. **Brain Res** 1986 Jul 9;377(2):211–5

Aromatic L-amino acid decarboxylase: histochemical localization in rat kidney and lack of effect of dietary potassium or sodium loading on enzyme distribution. Adam WR, et al. **Clin Exp Pharmacol Physiol** 1986 Jan;13(1):47–53

Effects of short-term modification of dietary sodium intake on plasma catecholamines and blood pressure in prehypertensive children. Howe PR, et al. **Clin Exp Pharmacol Physiol** 1986 Apr;13(4):305–9

Effect of sodium intake and sodium delivery to the macula densa on renal renin content and juxtaglomerular apparatus morphology. Wong T, et al. **Clin Exp Pharmacol Physiol** 1986 Apr;13(4):267–70

The effect of sodium bicarbonate on the flow-dependency of urinary prostaglandin excretion in man. Haylor J, et al. **Clin Sci** 1986 Feb;70(2):141–5

Electrical properties of a Na+-dependent phenylalanine transport in lizard (Lacerta galloti) duodenum. Bolaños A, et al. **Comp Biochem Physiol [A]** 1986;84(3):405–8

Decreases of action potential amplitudes, in sodium-free and calcium-free conditions, of identifiable giant neurons of an African giant snail (Achatina fulica Férussac)—I. The right parietal ganglion. Sun XP, et al. **Comp Biochem Physiol [A]** 1986;84(1):19–24

Effect of cyanide and verapamil on sodium-free contractures in the frog heart. Volkmann R, et al. **Comp Biochem Physiol [C]** 1986;84(2):247–55

Effects of dietary sodium on body and muscle potassium content during heat acclimation. Armstrong LE, et al. **Eur J Appl Physiol** 1985;54(4):391–7

Na+ ions and Gpp(NH)p selectively inhibit agonist interactions at mu- and kappa-opioid receptor sites in rabbit and guinea-pig cerebellum membranes. Frances B, et al. **Eur J Pharmacol** 1985 Nov 5;117(2):223–32

Effects of [Na+] and [Ca2+] on the responses to milrinone in rat cardiac preparations. Goyal RK, et al. **Eur J Pharmacol** 1986 Jan 29;120(3):267–74

Effects of sodium loading on antihypertensive responses to an angiotensin-converting enzyme inhibitor in spontaneously hypertensive and renal hypertensive rats. Nakata K, et al. **Eur J Pharmacol** 1986 Feb 18;121(2):293–5

Gastric stress ulcer of the rat: relative contribution of the pyloric sphincter, HCO3- bile reflux and mucosal blood flow. Bénichoux R, et al. **Eur Surg Res** 1986;18(3–4):159–68

Histochemical demonstration of sodium-dependent glutamate uptake in brain tissues by glutamate dehydrogenase reaction. Wolf G, et al. **Exp Brain Res** 1986; 62(3):659–62

Sodium-induced conformation changes in membrane transport proteins. Charalambous BM, et al. **FEBS Lett** 1985 Sep 23;189(2):163–6

The effect of Ag+ on smooth muscle strips in various extracellular concentrations of Na+ and K+. Lukanov J, et al. **Folia Med (Plovdiv)** 1985;27(1):44–8

Involvement of guanine nucleotide and sodium in regulation of yohimbine and clonidine binding sites in the HT29 human colon adenocarcinoma cell-line. Bouscarel B, et al. **Gen Pharmacol** 1985;16(6):641–4

Comparison of cholinergic inhibition and beta-adrenergic stimulation of adenylate cyclase from rat and guinea-pig hearts: effects of guanine nucleotides and monovalent cations. Sulakhe PV, et al. **Gen Pharmacol** 1985; 16(4):311–20

Intrinsic activity and effects of guanyl-5'-yl imidodiphosphate, Gpp(NH)p and sodium ion on the affinity of dynorphin 1–13, nalorphine and nalorphine-7,8-oxide to kappa-opioid receptor. Takayanagi I, et al. **Gen Pharmacol** 1985;16(6):617–9

Definitions and characteristics of sodium sensitivity and blood pressure resistance. Weinberger MH, et al. **Hypertension** 1986 Jun;8(6 Pt 2):II127–34

Inhibition by isatin of Na+-dependent glucose and amino acid transport in pigeon intestine. Patil SD, et al. **Indian J Biochem Biophys** 1985 Aug;22(4):249–51

Equilibrium and kinetic study of sodium- and potassium-induced conformational changes of apo-alpha-lactalbumin. Hiraoka Y, et al. **Int J Pept Protein Res** 1985 Sep;26(3):252–61

Acute sodium bicarbonate does not affect renal hemodynamics in splenectomized dogs. Joles JA, et al. **Int J Sports Med** 1985 Oct;6(5):301–2

H2O2-modification of Na,K-ATPase. Alterations in external Na+ and K+ stimulation of K+ influx. Garner MH, et al. **Invest Ophthalmol Vis Sci** 1986 Jan;27(1):103–7

The effect of the Keyes technique on the structure and function of oral mucosa. Romanowski A. **J Am Dent Assoc** 1986 Feb;112(2):173–5

Effect of supplemental sodium bicarbonate on nutrient digestibilities and ruminal pH measured continuously. Kovacik AM, et al. **J Anim Sci** 1986 Jan;62(1):226–34

Effects of sodium bicarbonate on nitrogen balance, bacterial protein synthesis and sites of nutrient digestion in sheep. Mees DC, et al. **J Anim Sci** 1985 Oct;61(4):985–94

Nutrient utilization in lambs fed diets high in sodium or potassium. Reffett JK, et al. **J Anim Sci** 1985 Oct; 61(4):1004–9

Effects of diet concentrate level and sodium bicarbonate on site and extent of forage fiber digestion in the gastrointestinal tract of wethers. Wedekind KJ, et al. **J Anim Sci** 1986 May;62(5):1388–95

Sodium ions and an energized membrane required by Methanosarcina barkeri for the oxidation of methanol to the level of formaldehyde. Blaut M, et al. **J Bacteriol** 1985 Oct;164(1):95–101

Cloning in Escherichia coli K-12 of a Na+-dependent transport system from a marine bacterium. MacLeod PR, et al. **J Bacteriol** 1986 Mar;165(3):825–30

Mechanisms of growth inhibition by propionate and restoration of the growth by sodium bicarbonate or acetate in Rhodopseudomonas sphaeroides S. Maruyama K, et al. **J Biochem (Tokyo)** 1985 Sep;98(3):819–24

Sugar binding properties of the melibiose permease in Escherichia coli membrane vesicles. Effects of Na+ and H+ concentrations. Damiano-Forano E, et al. **J Biol Chem** 1986 May 25;261(15):6893–9

Na+-dependent transport of basic, zwitterionic, and bicyclic amino acids by a broad-scope system in mouse blastocysts. Van Winkle LJ, et al. **J Biol Chem** 1985 Oct 5; 260(22):12118–23

Relationship of sodium sensitivity and the sympathetic nervous system. Dustan HP. **J Cardiovasc Pharmacol** 1985; 7 Suppl 8:S56–63

The specific phosphorylation of a 40S ribosomal protein in growth-arrested tetrahymena is induced by sodium. Cuny M, et al. **J Cell Physiol** 1985 Aug;124(2):349–57

Plasma levels and cardiovascular, endocrine, and excretory effects of atrial natriuretic peptide during different sodium intakes in man. Weidmann P, et al. **J Clin Endocrinol Metab** 1986 May;62(5):1027–36

The effect of sodium bicarbonate versus aluminum-magnesium hydroxide on postprandial gastric acid in duodenal ulcer patients. Simmons TC, et al. **J Clin Gastroenterol** 1986 Apr;8(2):146–9

Responses of lactating cows to dietary sodium source and quantity and potassium quantity during heat stress. Schneider PL, et al. **J Dairy Sci** 1986 Jan;69(1):99–110

Effects of sodium bicarbonate, magnesium oxide, and a commercial buffer mixture in early lactation cows fed hay crop silage. Stokes MR, et al. **J Dairy Sci** 1986 Jun; 69(6):1595–603

Antimicrobial properties of hydrogen peroxide and sodium bicarbonate individually and in combination against selected oral, gram-negative, facultative bacteria. Miyasaki KT, et al. **J Dent Res** 1986 Sep;65(9):1142–8

Unusual responses of cultured Fundulus heteroclitus melanophores to epinephrine and ions, paradox of K+ versus Na+. Clark CR, et al. **J Exp Zool** 1985 Dec; 236(3):361–4

Effect of sodium on amiloride- and triamterene-induced current fluctuations in isolated frog skin. Hoshiko T, et al. **J Gen Physiol** 1986 Mar;87(3):425–42

Effects of sodium and angiotensin II on urinary active and inactive kallikrein in rats. Yasujima M, et al. **J Hypertens** 1986 Feb;4(1):13–8

Clinical biochemical and haemodynamic correlates of sodium sensitivity in essential hypertension. Koolen MI, et al. **J Hypertension [Suppl]** 1983 Dec;1(2):21–3

Continuous measurement of calcium influx in mammalian nonmyelinated nerve fibers: effects of Nao, Cao, and electrical activity. Jirounek P, et al. **J Membr Biol** 1986; 91(2):157–64

Na+-sensitive component of 3-O-methylglucose uptake in frog skeletal muscle. Kitasato H, et al. **J Membr Biol** 1985; 87(3):225–32

Na+-coupled glycine transport in reticulocyte vesicles of distinct sidedness: stoichiometry and symmetry. Weigensberg AM, et al. **J Membr Biol** 1985;86(1):37–44

Na+-dependent "binding" of D-aspartate in brain membranes is largely due to uptake into membrane-bounded saccules. Danbolt NC, et al. **J Neurochem** 1986 Sep;47(3):819–24

Inhibition by K+ of Na+-dependent D-aspartate uptake into brain membrane saccules. Danbolt NC, et al. **J Neurochem** 1986 Sep;47(3):825–30

Characterization of sodium-dependent [3H]GBR-12935 binding in brain: a radioligand for selective labelling of the dopamine transport complex. Janowsky A, et al. **J Neurochem** 1986 Apr;46(4):1272–6

Regulation of anterior pituitary D2 dopamine receptors by magnesium and sodium ions. Watanabe M, et al. **J Neurochem** 1985 Dec;45(6):1842–9

Effects of dietary sodium and chloride on growth, efficiency of feed utilization, plasma electrolytes and plasma basic amino acids in young pigs. Honeyfield DC, et al. **J Nutr** 1985 Oct;115(10):1366–71

Diet calcium carbonate, phosphorus and acidifying and alkalizing salts as factors influencing silica urolithiasis in rats fed tetraethylorthosilicate. Schreier CJ, et al. **J Nutr** 1986 May;116(5):823–30

Effects of the inorganic salts sodium chloride, sodium bicarbonate, and magnesium sulfate upon the growth and motility of Treponema vincentii. Wolinsky LE, et al. **J Periodontol** 1986 Mar;57(3):172–5

Kinetic evidence for a common transport route of benzylpenicillin and probenecid by freshly prepared hepatocytes in rats. Influence of sodium ion, organic anions, amino acids and peptides on benzylpenicillin uptake. Terasaki T, et al. **J Pharmacobiodyn** 1986 Jan;9(1):18–28

Furosemide choleresis in isolated perfused rat liver: partial dependency on perfusate sodium and chloride. Anwer MS. **J Pharmacol Exp Ther** 1985 Nov;235(2):313–8

Influence of loop diuretics and anions on passive potassium influx into human red cells. Chipperfield AR. **J Physiol (Lond)** 1985 Dec;369:61–77

Differential regulation of two molecular forms of a mu-opioid receptor type by sodium ions, manganese ions and by guanyl-5'-yl imidodiphosphate. Jauzac P, et al. **J Recept Res** 1986;6(1):1–25

The stimulative effect of sodium on the depletion process of calcium in the intracellular store of smooth muscle cells of guinea-pig taenia caecum. Hisayama T, et al. **Jpn J Pharmacol** 1985 Dec;39(4):493–501

Mineralocorticoid-stimulated renal acidification: the critical role of dietary sodium. Harrington JT, et al. **Kidney Int** 1986 Jul;30(1):43–8

Sodium-dependent urinary acidification in patients with aldosterone deficiency and in adrenalectomized rats: effect of furosemide. Batlle DC. **Metabolism** 1986 Sep; 35(9):852–60

Preincubation of synaptosomes in the presence of sodium affects Ca2+ uptake. Nikezić GS, et al. **Mol Biol Rep** 1985 Oct;10(4):227–30

Sodium regulation of agonist binding at opioid receptors. I. Effects of sodium replacement on binding at mu- and delta-type receptors in 7315c and NG108-15 cells and cell membranes. Puttfarcken P, et al. **Mol Pharmacol** 1986 Aug; 30(2):81–9

Sodium regulation of agonist binding at opioid receptors. II. Effects of sodium replacement on opioid binding in guinea pig cortical membranes. Werling LL, et al. **Mol Pharmacol** 1986 Aug;30(2):90–5

Sodium-activated potassium current in cultured avian neurones. Bader CR, et al. **Nature** 1985 Oct 10–16; 317(6037):540–2

Sodium-dependence of the saturability of carrier-mediated noradrenaline efflux from noradrenergic neurones in the rat vas deferens. Bönisch H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Feb; 332(2):131–4

A low dietary sodium intake reduces neuronal noradrenaline release and the blood pressure in spontaneously hypertensive rats. Gradin K, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Apr; 332(4):364–9

Sodium regulation of agonist and antagonist binding to beta-adrenoceptors in intact and Na-deficient membranes. Minuth M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Jun; 333(2):124–9

Sodium ions increase the binding of the antagonist peptide ICI 174864 to the delta-opiate receptor. Appelmans N, et al. **Neuropeptides** 1986 Feb-Mar;7(2):139–43

Promotion by sodium bromide of functional synapse formation from foreign nerves in the superior cervical ganglion of adult rat with intact preganglionic nerve supply. Toldi J, et al. **Neurosci Lett** 1986 Aug 15; 69(1):19–24

Decrease of potassium permeability by intracellular application of sodium ions in snail neurons. Walden J, et al. **Neurosci Lett** 1985 Sep 30;60(2):139–43

Na+-induced conformational changes in intestinal glucose and amino acid transporters. **Nutr Rev** 1985 Oct; 43(10):315–6 (8 ref.)

Electrical properties of Madin-Darby canine kidney cells. Effects of extracellular potassium and bicarbonate. Paulmichl M, et al. **Pflugers Arch** 1985 Sep;405(2):102–7

Effects of adding acid or base to the diet on semen of heat-stressed, aging broiler breeder males. Latorre JR, et al. **Poult Sci** 1986 Mar;65(3):589–91

Effect of luminal Na+ on the kinetics of intestinal absorption of sugars in vivo. Riñón L, et al. **Rev Esp Fisiol** 1986 Jun; 42(2):265–70

Role of Na+ and K+ on the increased 5-HT secretion from platelets of spontaneously hypertensive rats. Baudouin-Legros M, et al. **Thromb Res** 1986 May 1; 42(3):265–75

Calcium-modulated desmosome formation and sodium-regulated keratinization in frog skin cultures. Denèfle JP, et al. **Tissue Cell** 1986;18(2):285–95

The effect of replacement of 0.30% sodium chloride by 0.43% sodium bicarbonate in rations of fattening pigs on leg weakness, osteochondrosis and growth. van der Wal PG, et al. **Vet Q** 1986 Apr;8(2):136–44

[Role of renal dopamine receptor in the pathogenesis of hypertension after sodium loading] Shigetomi S, et al. **Nippon Naibunpi Gakkai Zasshi** 1986 Jan 20;62(1):26–33 (Eng. Abstr.) **(Jpn)**

[Autoregulation of the contractile function of the myocardium in response to changes in the concentration of the activating cation] Kapel'ko VI, et al. **Fiziol Zh SSSR** 1986 Mar;72(3):357–62 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The dipsogenic effect of intracerebroventricular infusion of hypertonic NaCl in the sheep is mediated mainly by the Na ion. Rundgren M, et al. **Acta Physiol Scand** 1986 Aug; 127(4):433–6

Sodium requirement for insulin release: putative role in regulation of intracellular pH. Biden TJ, et al. **Am J Physiol** 1986 Feb;250(2 Pt 1):C207–13

Role of renal nerves in maintaining sodium balance in unrestrained conscious rats. Fernández-Repollet E, et al. **Am J Physiol** 1985 Dec;249(6 Pt 2):F819–26

200 years of digitalis: the emerging central role of the sodium ion in the control of cardiac force. Lee CO. **Am J Physiol** 1985 Nov;249(5 Pt 1):C367–78 (93 ref.)

Submaximal sodium-lack contractures in rapidly perfused frog ventricular strips. Shepherd N. **Am J Physiol** 1986 Jan;250(1 Pt 1):C155–64

Na-dependent D-glucose and L-alanine transport in eel intestinal brush border membrane vesicles. Storelli C, et al. **Am J Physiol** 1986 Sep;251(3 Pt 2):R463–9

Postrest inotropy in rabbit ventricle: Na+-Ca2+ exchange determines sarcoplasmic reticulum Ca2+ content. Sutko JL, et al. **Am J Physiol** 1986 Apr;250(4 Pt 2):H654–61

Effects of sodium depletion and angiotensin II on osmotic regulation of vasopressin. Wade CE, et al. **Am J Physiol** 1986 Feb;250(2 Pt 2):R287–91

The role of intracellular sodium activity in the inotropy potentiation among high [Ca]o' norepinephrine and strophanthidin. Abete P, et al. **Arch Int Pharmacodyn Ther** 1985 Nov;278(1):87–96

The sodium cycle. III. Vibrio alginolyticus resembles Vibrio cholerae and some other vibriones by flagellar motor and ribosomal 5S-RNA structures. Bakeeva LE, et al. **Biochim Biophys Acta** 1986 Jul 23;850(3):466–72

Perturbation of Na+ and K+ gradients in human fibroblasts incubated in unsupplemented saline solutions. Dall'Asta V, et al. **Biochim Biophys Acta** 1986 Aug 7;860(1):1–8

The sodium cycle. II. Na+-coupled oxidative phosphorylation in Vibrio alginolyticus cells. Dibrov PA, et al. **Biochim Biophys Acta** 1986 Jul 23;850(3):458–65

Effect of gamma radiation on sodium channels in different conformations in neuroblastoma cells. Freschi JE, et al. **Biochim Biophys Acta** 1986 Jun 13;858(1):31–7

Differential effects of transmembrane potential on two Na+-dependent transport systems for neutral amino acids. Valdeolmillos M, et al. **Biochim Biophys Acta** 1986 Jun 13;858(1):181–7

Slow inactivation of sodium current and voltage-dependent block by tetrodotoxin in rabbit cardiac Purkinje fibers. Carmeliet E. **Biomed Biochim Acta** 1986;45(1-2):S163–6

Sodium current and gating current experiments on the node of Ranvier. Meves H. **Biomed Biochim Acta** 1986; 45(1-2):S33–8

The dynamic sodium current of human skeletal muscle. Zite-Ferenczy F, et al. **Biomed Biochim Acta** 1986; 45(1-2):S9–14

Sodium-dependent, high-affinity choline uptake in hippocampus and frontal cortex of the rat affected by acute restraint stress. Lai H, et al. **Brain Res** 1986 May 7; 372(2):366–9

A comparative study of the effects of tetrodotoxin and the removal of external Na+ on the resting potential: evidence of separate pathways for the resting and excitable Na currents in squid axon. Chang DC, et al. **Cell Mol Neurobiol** 1985 Dec;5(4):311–20

Calcium-dependent enhancement of myocardial diastolic tone and energy utilization dissociates systolic work and oxygen consumption during low sodium perfusion. Renlund DG, et al. **Circ Res** 1985 Dec;57(6):876–88

Calcium-sensitive cellular and subcellular transport of sodium, potassium, magnesium, and calcium in sodium-loaded vascular smooth muscle. Electron probe analysis. Wasserman AJ, et al. **Circ Res** 1986 Jun; 58(6):790–802

The combined effects of hypoxia, high K+, and acidosis on the intracellular sodium activity and resting potential in guinea pig papillary muscle. Wilde AA, et al. **Circ Res** 1986 Feb;58(2):249–56

The sodium and bicarbonate dependence of bile secretion in the guinea-pig. Rutishauser SC. **Comp Biochem Physiol [A]** 1985;82(2):317–22

Stimulation of sodium efflux in air-breathing fish exposed to low pH. Krout RT, et al. **Comp Biochem Physiol [C]** 1985;82(1):49–53

Early development of voltage-dependent sodium currents in cultured mouse spinal cord neurons. MacDermott AB, et al. **Dev Biol** 1986 Feb;113(2):317–26

Valproate reduces excitability by blockage of sodium and potassium conductance. VanDongen AM, et al. **Epilepsia** 1986 May-Jun;27(3):177–82

Calcium and sodium dependence of the biphasic response of the guinea-pig ileum to agonists. Nouailhetas VL, et al. **Eur J Pharmacol** 1985 Oct 8;116(1-2):41–7

Impairment of Na+/H+ exchange underlies inhibitory effects of Na+-free media on leukocyte function. Nasmith PE, et al. **FEBS Lett** 1986 Jun 23;202(1):79–85

Ethanol selectively affects Na+-gradient dependent intestinal transport systems. O'Neill B, et al. **FEBS Lett** 1986 Jan 1;194(1):183–8

Spectrum of deranged sodium homeostasis in essential hypertension. Epstein M, et al. **Hypertension** 1986 May; 8(5):422–32

The effect of age and sodium depletion on cardiovascular response to orthostasis. Shannon RP, et al.

Hypertension 1986 May;8(5):438–43

Na conductance kinetics in the low-frequency impedance of isolated snail neurons. Miyamoto S, et al. **IEEE Trans Biomed Eng** 1986 Jul;33(7):644–53

Blood pressure may be sodium-dependent in diabetic patients without overt nephropathy. O'Hare JA, et al. **Ir J Med Sci** 1985 Dec;154(12):455–60

Comparison of the actions of the angiotensin-converting enzyme inhibitors enalapril and S-9490-3 in sodium-deplete and sodium-replete spontaneously hypertensive rats. DiNicolantonio R, et al. **J Cardiovasc Pharmacol** 1985 Sep–Oct;7(5):937–42

Volume changes in activated human neutrophils: the role of Na+/H+ exchange. Grinstein S, et al. **J Cell Physiol** 1986 Jul;128(1):33–40

Sodium dependence of the thyrotrophin-induced depolarization in cultured porcine thyroid cells. Hambleton TA, et al. **J Endocrinol** 1986 Feb;108(2):225–30

Cardiac Na currents and the inactivating, reopening, and waiting properties of single cardiac Na channels. Kunze DL, et al. **J Gen Physiol** 1985 Nov;86(5):691–719

The endocrine control of blood volume, blood pressure and sodium balance: atrial hormone and renin system interactions. Laragh JH. **J Hypertens [Suppl]** 1986 Jun; 4(2):S143–56 (87 ref.)

Altered excitability of goldfish Mauthner cell following axotomy. II. Localization and ionic basis. Titmus MJ, et al. **J Neurophysiol** 1986 Jun;55(6):1440–54

Low-threshold, slow-inactivating Na+ potentials in the cockroach giant axon. Yawo H, et al. **J Neurophysiol** 1985 Nov;54(5):1087–100

The arrhythmogenic current ITI in the absence of electrogenic sodium-calcium exchange in sheep cardiac Purkinje fibres. Cannell MB, et al. **J Physiol (Lond)** 1986 May;374:201–19

Ionic conductances in frog short skeletal muscle fibres with slow delayed rectifier currents. Lynch C 3d. **J Physiol (Lond)** 1985 Nov;368:359–78

Dynamics of strychnine block of single sodium channels in bovine chromaffin cells. Yamamoto D. **J Physiol (Lond)** 1986 Jan;370:395–407

Mechanisms involved in contraction of smooth muscles of the rat portal vein as induced by sodium depletion. Yamamoto Y, et al. **Jpn J Physiol** 1985;35(5):717–27

The regulation of renal acid secretion: new observations from studies of distal nephron segments. Levine DZ, et al. **Kidney Int** 1986 Jun;29(6):1099–109 (75 ref.)

Does decreasing extracellular Na inhibit in vitro renin secretion by affecting Na-Ca exchange? Churchill PC, et al. **Life Sci** 1985 Dec 23;37(25):2449–53

Neuronal efflux of noradrenaline induced by tris or lithium as substitutes for extracellular sodium. Bönisch H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 May; 333(1):13–6

3H-imipramine binding in aged mouse brain: regulation by ions and serotonin. Severson JA. **Neurobiol Aging** 1986 Mar–Apr;7(2):83–7

Sodium pathway markers in normal and kindled frog brains. Moneta ME, et al. **Neurosci Lett** 1986 Apr 24;65(3):331–5

Presynaptic autoinhibition during rest and sodium-pump inhibition in isolated rat portal vein preparation. Török TL, et al. **Neuroscience** 1985 Oct;16(2):439–49

The contribution of Na and K ions to the pacemaker current in sheep cardiac Purkinje fibres. Glitsch HG, et al. **Pflugers Arch** 1986 May;406(5):464–71

Construction of K+- and Na+-sensitive theta-microelectrodes with fine tips: an easy method with high yield. Meyer G, et al. **Pflugers Arch** 1985 Aug; 404(4):378–81

Voltage-dependent activation in purified reconstituted sodium channels from rabbit T-tubular membranes. Furman RE, et al. **Proc Natl Acad Sci USA** 1986 Jan; 83(2):488–92

Amiloride-sensitive Na channels from the apical membrane of the rat cortical collecting tubule. Palmer LG, et al. **Proc Natl Acad Sci USA** 1986 Apr;83(8):2767–70

Lowering extracellular Na+ concentration releases sutocrine growth factors from renal epithelial cells. Walsh-Reitz MM, et al. **Proc Natl Acad Sci USA** 1986 Jul;83(13):4764–8

A calcium-activated sodium conductance contributes to the fertilization potential in the egg of the nemertean worm, Cerebratulus lacteus. Kline D, et al. **Prog Clin Biol Res** 1986;217B:75–8

The operation of the sodium channel in nerve and muscle. Yamamoto D. **Prog Neurobiol** 1985;24(4):257–91 (202 ref.)

D-galactose uptake by snail intestine: competitive inhibition by phlorizin and sodium dependence. Barber A, et al. **Rev Esp Fisiol** 1985 Dec;41(4):423–9

Calcium and sodium channels in spontaneously contracting vascular muscle cells. Sturek M, et al. **Science** 1986 Jul 25;233(4762):475–8

[The renin-angiotensin system and renal adaptation to sodium restriction] Mimran A, et al. **Nephrologie** 1985;6(3):127–31 (Eng. Abstr.) **(Fre)**

[Further studies on the reactivity of renal catecholamine receptors in man in water-salt depletion] Agnoli GC, et al. **Cardiologia** 1985 May;30(5):387–94 (Eng. Abstr.) **(Ita)**

[Paradoxical effect of reductions in the concentration of extracellular sodium on parameters of the inward current in the membranes of isolated myocardiocytes] Pidoplichko VI, et al. **Fiziol Zh** 1986 Jan–Feb;32(1):50–3 (Eng. Abstr.) **(Rus)**

[Mechanisms of involvement of Na+(Li+) in the process of intracellular transmission of the trigger signal in skeletal muscles] Nesterov VP. **Fiziol Zh SSSR** 1985 Aug; 71(8):985–91 (Eng. Abstr.) **(Rus)**

SECRETION

Centrally mediated stimulation of jejunal water and electrolyte secretion by calcitonin in dogs. Primi MP, et al. **Am J Physiol** 1986 Feb;250(2 Pt 1):G172–6

THERAPEUTIC USE

Effect of hypertonic sodium bicarbonate on encainide overdose. Pentel PR, et al. **Am J Cardiol** 1986 Apr 1; 57(10):878–80

Are non-modulating patients with essential hypertension a distinct subgroup? Implications for therapy. Williams GH, et al. **Am J Med** 1985 Sep 27;79(3C):3–9

Metabolic effects of sodium bicarbonate in hypoxic lactic acidosis in dogs. Graf H, et al. **Am J Physiol** 1985 Nov; 249(5 Pt 2):F630–5

Experimental amitriptyline intoxication: treatment of cardiac toxicity with sodium bicarbonate. Sasyniuk BI, et al. **Ann Emerg Med** 1986 Sep;15(9):1052–9

Lactic acidosis: the case against bicarbonate therapy. Stacpoole PW. **Ann Intern Med** 1986 Aug;105(2):276–9

Can potassium citrate replace sodium bicarbonate and potassium chloride of oral rehydration solution? Islam MR. **Arch Dis Child** 1985 Sep;60(9):852–5

Sequential sodium therapy allows correction of sodium-volume balance and reduces morbidity. Murisasco A, et al. **Clin Nephrol** 1985 Oct;24(4):201–8

Dietary sodium bicarbonate as a treatment for exertional rhabdomyolysis in a horse. Robb EJ, et al. **J Am Vet Med Assoc** 1986 Mar 15;188(6):602–7

Dietary sodium bicarbonate for exertional rhabdomyolysis [letter] Wolf AM. **J Am Vet Med Assoc** 1986 Jun 1; 188(11):1230

Bicarbonate therapy for the cardiovascular toxicity of amitriptyline in an animal model. Hedges JR, et al. **J Emerg Med** 1985;3(4):253–60

Bicarbonate versus citrate in oral rehydration therapy in infants with watery diarrhea: a controlled clinical trial. Salazar-Lindo E, et al. **J Pediatr** 1986 Jan;108(1):55–60

Baking soda baths for aquagenic pruritus [letter] Bayoumi AH, et al. **Lancet** 1986 Aug 23;2(8504):464

Effect of sodium bicarbonate preloading on ischemic renal failure. Atkins JL. **Nephron** 1986;44(1):70–4

[Intraerythrocytic acid-base status in decompensated metabolic acidosis and with parenteral buffer administration] Lachmann G, et al. **Arch Exp Veterinarmed** 1985 Jul;39(4):598–605 (Eng. Abstr.) **(Ger)**

[Effect of NaHCO3 infusion on the healing of acetic acid-induced gastric ulcer in rats] Li HQ, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Feb;83(2):241 **(Jpn)**

[Staghorn calculi with hyperexcretion of uric acid: clinical treatment] de Arruda HO, et al. **Rev Paul Med** 1986 Jan-Feb;104(1):47–50 (Eng. Abstr.) **(Por)**

[Comparison of the efficacy of 2 oral rehydration solutions: the conventional solution recommended by WHO containing sodium bicarbonate and another containing sodium citrate] Pizarro D, et al. **Bol Med Hosp Infant Mex** 1986 Jul;43(7):402–6 (Eng. Abstr.) **(Spa)**

TOXICITY

Dietary chloride and bicarbonate as determinants of desoxycorticosterone hypertension. Kurtz TW, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S371–3

URINE

Role of glomerular filtration rate in the impaired sodium and water excretion of patients with the nephrotic syndrome. Shapiro MD, et al. **Am J Kidney Dis** 1986 Aug;8(2):81–7

Sodium excretion in human pregnancy: a role for arginine vasopressin. Brown MA, et al. **Am J Obstet Gynecol** 1986 Apr;154(4):914–9

Renal alpha-adrenoceptors and sodium excretion [letter] DiBona GF. **Am J Physiol** 1986 May;250(5 Pt 2):F949–51

Atrial stretch increases sodium excretion independently of release of atrial peptides. Goetz KL, et al. **Am J Physiol** 1986 May;250(5 Pt 2):R946–50

Dopamine receptors modulate sodium excretion in denervated kidney. Jose PA, et al. **Am J Physiol** 1986 Jun; 250(6 Pt 2):F1033–8

Effects of volume expansion on renal nerve activity, renal blood flow, and sodium and water excretion in conscious dogs. Morita H, et al. **Am J Physiol** 1985 Nov;249(5 Pt 2):F680–7

Dissociation of urinary kallikrein activity and salt and water excretion in the rat. Pollock DM, et al. **Am J Physiol** 1986 Jun;250(6 Pt 2):F1082–9

Sodium homeostasis in chronic decerebrate rats. Grill HJ, et al. **Behav Neurosci** 1986 Aug;100(4):536–43

Antisera to atrial natriuretic factor reduces urinary sodium excretion and increases plasma renin activity in rats. Naruse M, et al. **Biochem Biophys Res Commun** 1985 Nov 15; 132(3):954–60

Urinary electrolyte excretion after frusemide and Frumil: multiple dose study. Hamdy RC. **Br J Clin Pract [Symp Suppl]** 1985 Jun;41:17–21

Urinary electrolyte excretion after frusemide, amiloride and Frumil: single dose studies. Hamdy RC. **Br J Clin Pract [Symp Suppl]** 1985 Jun;41:13–6

Effect of stilboestrol on sodium balance, cardiac state, and renin-angiotensin-aldosterone activity in prostatic carcinoma. Blyth B, et al. **Br Med J [Clin Res]** 1985 Nov 23;291(6507):1461–4

Response to inhaled histamine and 24 hour sodium excretion. Burney PG, et al. **Br Med J [Clin Res]** 1986 Jun 7; 292(6534):1483–6

Urinary sodium excretion in 4–6 year old children: a cause for concern? De Courcy S, et al. **Br Med J [Clin Res]** 1986 May 31;292(6533):1428–9

Sodium excretion in young children [letter] Walker V, et al. **Br Med J [Clin Res]** 1986 Jul 26;293(6541):267

Roles of urinary sodium ion concentration and pH in promotion by ascorbic acid of urinary bladder carcinogenesis in rats. Fukushima S, et al. **Cancer Res** 1986 Apr;46(4 Pt 1):1623–6

Pseudohypoaldosteronism: decreased aldosterone levels with age without significant change in urinary sodium excretion. Yasuda T, et al. **Clin Endocrinol (Oxf)** 1986 Mar;24(3):311–8

Na-K ATPase activity of erythrocyte membrane correlated with urinary Na/K ratio in normotensive adolescents with a family history of hypertension. Kagamimori S, et al. **Clin Exp Hypertens [A]** 1986;8(3):309–21

Atrial natriuretic peptide: an endogenous factor enhancing sodium excretion in man. Anderson J, et al. **Clin Sci** 1986 Apr;70(4):327–31

Effect of simple short term dietary control on urine electrolyte excretion in normal men. McInnes GT, et al. **Clin Sci** 1986 Jul;71(1):125–8

Sodium retention in response to saline infusion in uncomplicated diabetes mellitus. Roland JM, et al. **Diabetes Res** 1986 May;3(4):213–5

Renal alpha 2-adrenoceptors, their locations and effects on sodium excretion. Pettinger WA, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 8:S24–7

Effects of enalaprilic acid on sodium excretion and renal hemodynamics in essential hypertension. Navis G, et al. **J Clin Hypertens** 1985 Sep;1(3):228–38

Influence of urinary sodium excretion on the clinical assessment of renal tubular calcium reabsorption in hypercalcaemic man. Ralston SH, et al. **J Clin Pathol** 1986 Jun;39(6):641–6

A study of urinary sodium and potassium excretion rates among urban and rural Zulus and Indians. Hoosen S, et al. **J Hypertens** 1985 Aug;3(4):351–8

Timed overnight sodium and potassium excretion and blood pressure in steel workers in North China. Hsiao ZK, et al. **J Hypertens** 1986 Jun;4(3):345–50

The postoperative response of the term and preterm newborn infant to sodium administration. Krummel TM, et al. **J Pediatr Surg** 1985 Dec;20(6):803–9

Salt-sensitive hypertension in West Africans: an uncoupling of the renal sodium-dopamine relation [letter] Critchley JA, et al. **Lancet** 1986 Aug 23;2(8504):460

The effect of sustained field operations on urinary electrolytes and cortisol. Kant GJ, et al. **Milit Med** 1985 Dec; 150(12):666–9

Urinary sodium-to-creatinine ratio as an indicator of gastric cancer risk. Correa P, et al. **Natl Cancer Inst Monogr** 1985 Dec;69:121–3

Relation between plasma aldosterone concentration and renal handling of sodium and potassium in alcoholics during the withdrawal phase [letter] De Marchi S, et al. **Nephron** 1986; 42(2):177–8

Effects of acute saline infusion on the fractional sodium excretion and renal sympathetic nerve activity in the spontaneously hypertensive rat (SHR). Kawamura H, et al. **Nippon Jinzo Gakkai Shi** 1986 Mar;28(3):327–33

Effects of aldosterone on urinary kallikrein and sodium excretion during fetal life. Robillard JE, et al. **Pediatr Res** 1985 Oct;19(10):1048–52

Comparative diuretic, saluretic, kaliuretic, and prostaglandin synthetase inhibitory activities of a competitive inhibitor of prostaglandin synthetase and spironolactone. Fretland DJ, et al. **Prostaglandins Leukotrienes Med** 1985 Oct; 20(1):29–44

The pathogenesis of renal sodium retention and ascites formation in Laennec's cirrhosis. Pitts TO, et al. **Recent Dev Alcohol** 1986;4:379–440

[Timed overnight urinary sodium, potassium and blood pressure in middle-aged men and women in urban rural populations in north and south China] Tao SQ, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Feb; 14(1):4–7, 61 (Eng. Abstr.) **(Chi)**

[Importance of the urinary index in the differential diagnosis of acute renal insufficiency] Favre H. **Schweiz Med Wochenschr** 1986 Apr 26;116(17):532–5 (Eng. Abstr.) **(Fre)**

[Measurement of urinary sodium and potassium excretion with the proportional sampling device (partition cup) compared with 24-hour whole urine collection] Mandai T, et al. **Nippon Jinzo Gakkai Shi** 1985 Jun;27(6):815–23 (Eng. Abstr.) **(Jpn)**

SODIUM CEPHALOTHIN see **CEPHALOTHIN**

SODIUM CHANNELS see ION CHANNELS

SODIUM CHLORIDE

see related
DIET, SODIUM-RESTRICTED

Use of sodium bicarbonate vials or syringes to buffer cardioplegic solutions [letter] Miller LG, et al. **Am J Hosp Pharm** 1986 Jun;43(6):1416, 1420

Absence of sodium chloride preference in Fischer-344 rats. Midkiff EE, et al. **Am J Physiol** 1985 Oct;249(4 Pt 2):R438-42

Stability of diamorphine-sodium chloride solutions [letter] Hain WR, et al. **Anaesthesia** 1985 Dec;40(12):1241

Different behavior of type I and type I-trimer collagen in neutral sodium chloride solutions. Luparello C, et al. **Anal Biochem** 1986 Jun;155(2):352-7

Determination of sodium in salted foods using an ion-selective electrode. Florence E. **Analyst** 1986 May; 111(5):571-3

St. Thomas' Hospital cardioplegia for myocardial preservation during prolonged aortic cross-clamping. Kyösola K, et al. **Ann Chir Gynaecol** 1985;74(3):111-7

Factors associated with Pseudomonas pickettii intrinsic contamination of commercial respiratory therapy solutions marketed as sterile. Anderson RL, et al. **Appl Environ Microbiol** 1985 Dec;50(6):1343-8

Angiotensin and salt appetite: physiological amounts of angiotensin given peripherally increase salt appetite in the rat. Dalhouse AD, et al. **Behav Neurosci** 1986 Aug; 100(4):597-602

Modulation of salt appetite by lateral ventricular infusions of angiotensin II and carbachol during sodium depletion. Fitts DA, et al. **Brain Res** 1985 Nov 4;346(2):273-80

Diuresis and reduction of salt appetite by lateral ventricular infusions of atriopeptin II. Fitts DA, et al. **Brain Res** 1985 Nov 25;348(1):118-24

Sodium chloride preference and recognition threshold in normotensive subjects on high and low salt diet. Teow BH, et al. **Clin Exp Hypertens [A]** 1985-86;7(12):1681-95

Developmental changes in salt acceptability in human infants. Beauchamp GK, et al. **Dev Psychobiol** 1986 Jan;19(1):17-25

The ontogeny of salt preference in rats. Moe KE. **Dev Psychobiol** 1986 May;19(3):185-96

Differences in sodium chloride taste sensitivity in a rural and an urban population in Nigeria: implications for the incidence of hypertension. Odeigah PG, et al. **East Afr Med J** 1986 Apr;63(4):236-43

Central administration of atrial natriuretic factor inhibits saline preference in the rat. Antunes-Rodrigues J, et al. **Endocrinology** 1986 Apr;118(4):1726-8

Aqueous micellar systems in membrane protein crystallization. Partial miscibility of a nonionic surfactant in the presence of salt or polyethylene glycol. Weckström K. **FEBS Lett** 1985 Nov 18;192(2):220-4

Running to the taste of salt in mineralocorticoid-treated rats. Schulkin J, et al. **Horm Behav** 1985 Dec;19(4):413-25

Up-regulation of renal prostaglandin receptors in genetic salt-dependent hypertension. Limas C, et al. **Hypertension** 1986 Jul;8(7):566-71

Extracellular calcium and altered vascular responsiveness in the deoxycorticosterone acetate-salt rat. Soltis EE, et al. **Hypertension** 1986 Jun;8(6):526-32

Effect of hyponatraemia on taste threshold for salt in hypertensive subjects. Marya RK, et al. **Indian Heart J** 1985 May-Jun;37(3):170-1

Seasonal variation in taste threshold for salt in human subjects [letter] Marya RK, et al. **Indian J Physiol Pharmacol** 1985 Jan-Mar;29(1):65-7

Blood pressure and salt intake in Malawi: an urban rural study. Simmons D, et al. **J Epidemiol Community Health** 1986 Jun;40(2):188-92

Increased sympatho-adrenal tone and adrenal medulla reactivity in DOCA-salt hypertensive rats. Bouvier M, et al. **J Hypertens** 1986 Apr;4(2):157-63

Effects of supplementing hypothermic crystalloid cardioplegic solution with catalase, superoxide dismutase, allopurinol, or deferoxamine on functional recovery of globally ischemic and reperfused isolated hearts. Myers CL, et al. **J Thorac Cardiovasc Surg** 1986 Feb;91(2):281-9

Treatment of allergic respiratory tract diseases in underground salt chambers of Kinga Spa in Wieliczka salt mines. Obtulowicz K, et al. **Mater Med Pol** 1986 Jan-Mar; 18(1):36-8

Naloxone antagonizes the hyperdipsic effect of sulpiride in a salt-preference test in male and female rats. Gilbert DB, et al. **Neuropharmacology** 1986 Jul;25(7):743-7

Salt taste preference in baboons. Barnwell GM, et al. **Physiol Behav** 1986;37(2):279-84

What is the PHS goal for sodium levels? [letter] Beard TC. **Public Health Rep** 1986 Mar-Apr;101(2):123-4

Corrosion of dental amalgams in solutions of sodium chloride, sodium sulfide and ammonia. Palaghias G. **Scand J Dent Res** 1986 Jun;94(3):274-80

Caries prevalence in children after 12 years of salt fluoridation in a canton of Switzerland. de Crousaz P, et al. **Schweiz Monatsschr Zahnmed** 1985 Sep;95(9):805-15

Availability of fluoride added to various brands of alimentary salt used in Southern and Central America. Marthaler TM, et al. **Schweiz Monatsschr Zahnmed** 1985 Dec; 95(12):1195-200

Small-volume resuscitation with hypertonic saline dextran solution. Kramer GC, et al. **Surgery** 1986 Aug; 100(2):239-47

Analysis of saline-washed red cells for transfusion to neonatal patients. Sanner HE, et al. **Transfusion** 1985 Sep-Oct; 25(5):437-8

[Caries incidence in schoolchildren in the canton of Glarus 9 years after the introduction of highly fluoridated table salt (250 mg F/kg)] Steiner M, et al. **Schweiz Monatsschr Zahnmed** 1986 May;96(5):688-99 (Eng. Abstr.) (Ger)

[Urinary fluoride excretion of schoolchildren in connection with table salt fluoridation] Steiner M, et al. **Schweiz Monatsschr Zahnmed** 1985 Dec;95(12):1109-17 (Eng. Abstr.) (Ger)

[Goiter prevention with iodized table salt in Switzerland: a brief review] Bürgi H. **Schweiz Rundsch Med Prax** 1986 Feb 4;75(6):125-7 (Ger)

[Salt taste threshold in hypertensive patients] Spritzer N. **Arq Bras Cardiol** 1985 Mar;44(3):151-5 (Eng. Abstr.) (Por)

[Important electrophysiological changes, in subjects with implanted pacemakers, occurring during extracorporeal circulation and with a cardioplegic solution. Experimental study in dogs] Costa R, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1985 May-Jun; 40(3):115-9 (Eng. Abstr.) (Por)

[Status of the kallikrein-kinin system of the blood and level of endogenous prostaglandins after interruption of pregnancy during the 2d trimester using intra-amniotic administration of a hypertonic sodium chloride solution] Nikonov AP. **Akush Ginekol (Mosk)** 1986 Jan;(1):60-2 (Rus)

[Industrial hygiene problems in salt mining (lakes and ponds)] Kvartovkina LK, et al. **Gig Tr Prof Zabol** 1985 Aug; (8):37-40 (Rus)

[High-altitude speleotherapy of children with bronchial asthma] Komarov GA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Sep-Oct;(5):21-4 (Eng. Abstr.) (Rus)

[Effect of taste deafferentation on the preference for solutions of saccharose, saccharin and salt in rats] Serova ON, et al. **Zh Vysh Nerv Deiat** 1986 Jan-Feb;36(1):150-5 (Eng. Abstr.) (Rus)

ADMINISTRATION & DOSAGE

The effects of varying sodium diets on haemodynamics and fluid balance in the spontaneously hypertensive rat. Ely DL, et al. **Acta Physiol Scand** 1986 Feb;126(2):199-207

The dipsogenic effect of intracerebroventricular infusion of hypertonic NaCl in the sheep is mediated mainly by the Na ion. Rundgren M, et al. **Acta Physiol Scand** 1986 Aug; 127(4):433-6

Redistribution of glomerular filtration and renal plasma flow in CNS-induced natriuresis. Sjöquist M, et al. **Acta Physiol Scand** 1986 Aug;127(4):491-7

Packed cells and normal saline [letter] Sessions C. **Am J Nurs** 1986 Feb;86(2):128

Concern about saline amnioinfusion [letter] Gimbel GL. **Am J Obstet Gynecol** 1986 Jul;155(1):227

Saline amnioinfusion for relief of repetitive variable decelerations: a prospective randomized study. Miyazaki FS, et al. **Am J Obstet Gynecol** 1985 Oct 1;153(3):301-6

Prophylactic intrapartum amnioinfusion in patients with preterm premature rupture of membranes. Nageotte MP, et al. **Am J Obstet Gynecol** 1985 Nov 1;153(5):557-62

Body sodium in rats: response to DOCA, adrenalectomy, changes in salt intake, and a salt load. Simpson FO, et al. **Am J Physiol** 1986 Mar;250(3 Pt 2):F551-8

Rapid warming and infusion of packed red blood cells. Zorko MF, et al. **Ann Emerg Med** 1986 Aug;15(8):907-10

Estimation of salt intake by questionnaire. Shepherd R, et al. **Appetite** 1985 Sep;6(3):219-33

Polyuric prerenal failure after reduction from high to normal dietary intake of sodium. Conte G, et al. **Arch Intern Med** 1986 Sep;146(9):1814-6

Enhanced sodium appetite in rats with lesions centered on nucleus medianus. Gardiner TW, et al. **Behav Neurosci** 1986 Aug;100(4):531-5

Salt and the glycaemic response [letter] Heaton KW, et al. **Br Med J [Clin Res]** 1986 Aug 23;293(6545):508-9

Effect of intragastric and intraperitoneal water and saline loads on the pharmacologic induction of drinking in rats. Fregly MJ, et al. **Brain Res Bull** 1986 Mar;16(3):407-14

Effect of intraperitoneal and intragastric loading with water and isosmotic solutions of saline and glucose on water intake of dehydrated rats. Fregly MJ, et al. **Brain Res Bull** 1986 Mar;16(3):415-20

Use of 0.9% sodium chloride injection without heparin for maintaining indwelling intermittent injection sites [letter] **Clin Pharm** 1985 Sep-Oct;4(5):488-9

The plasma release of atrial natriuretic peptide in man. Anderson JV, et al. **Clin Sci** 1986 Aug;71(2):151-5

(Na+, K+)-ATPase regulation and NaCl intake: effects on circulating inhibitor and sensitivity to noradrenaline. Swann AC. **Clin Sci** 1985 Oct;69(4):441-7

Endoscopic local injection of hypertonic saline-epinephrine solution to arrest hemorrhage from the upper gastrointestinal tract. Hirao M, et al. **Gastrointest Endosc** 1985 Oct;31(5):313-7

Endoscopic sclerotherapy using absolute alcohol [letter] Perisic VN. **Gut** 1986 Mar;27(3):350

High salt diet sensitizes cardiopulmonary baroreflexes in Dahl salt-resistant rats. Victor RG, et al. **Hypertension** 1986 Jun; 8(6 Pt 2):II21-7

Hemostatic changes after saline infusion. Chaimoff C, et al. **Isr J Med Sci** 1985 Aug;21(8):653-5

Dietary sodium intake increases vasopressin secretion in man. Kjeldsen SE, et al. **J Clin Hypertens** 1985 Jun;1(2):123-31

Blood pressure development of the spontaneously hypertensive rat after concurrent manipulations of dietary Ca2+ and Na+. Relation to intestinal Ca2+ fluxes. McCarron DA, et al. **J Clin Invest** 1985 Sep;76(3):1147-54

Osmotic stimuli and NaCl-intake in the fowl; release of arginine vasotocin and prolactin. Arad Z, et al. **J Comp Physiol [B]** 1986;156(3):399-406

Arterial pressure and renal function in two-kidney, one clip Goldblatt hypertensive rats maintained on a high-salt intake. Jackson CA, et al. **J Hypertens** 1986 Apr; 4(2):215-21

Changes in plasma immunoreactive atrial natriuretic peptide in response to saline infusion or to alterations in dietary sodium intake in normal subjects. Sagnella GA, et al. **J Hypertens [Suppl]** 1986 Jun;4(2):S115-8

Dietary sodium regulation of alpha 2-adrenoceptors in Sabra hypertensive (SHB) and normotensive (SBN) rats. Diop L, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S163-5

Interrelationship of some selected nutritional parameters relevant to taste for salt in a group of college-aged women. Ishida H, et al. **J Nutr Sci Vitaminol (Tokyo)** 1985 Dec; 31(6):585-98

Oral therapy of neonates and young infants with World Health Organization rehydration packets: a controlled trial of two sets of instructions. Bhargava SK, et al. **J Pediatr Gastroenterol Nutr** 1986 May-Jun;5(3):416-22

Accidental intra-myometrial injection of hypertonic saline. Parulekar SV, et al. **J Postgrad Med** 1986 Jan;32(1):51-3

Discomfort and bite force in painful masseter muscles after intramuscular injections of local anesthetic and saline solution. Hagberg C, et al. **J Prosthet Dent** 1986 Sep; 56(3):354-8

Nifedipine as an adjunct to St. Thomas' Hospital cardioplegia. A double-blind, placebo-controlled, randomized clinical trial. Flameng W, et al. **J Thorac Cardiovasc Surg** 1986 May;91(5):723-31

Effects of sodium intake on inherited hypertension in the rat. Louis WJ, et al. **Lancet** 1971 Dec 11;2(7737):1283-6

Dopaminergic modulation of salt sensitivity in patients with essential hypertension. Shikuma R, et al. **Life Sci** 1986 Mar 10;38(10):915-21

Changes in central alpha-adrenoceptors and noradrenaline content after high sodium intake in Sabra salt-sensitive and salt-resistant rats. Parini A, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Jun; 333(2):117-23

Aldosterone effects on salt appetite in adrenalectomized rats. McEwen BS, et al. **Neuroendocrinology** 1986;43(1):38-43

Salt taste sensitivity and stimulus volume: sips and drops. Some implications for the Henkin taste test. O'Mahony M, et al. **Perception** 1984;13(6):725-37

Effects of stimulus context on preference judgements for salt. Shepherd R, et al. **Perception** 1984;13(6):739-42

Increased voluntary ethanol intake after dietary salt-loading in rats. Eisenhofer G. **Pharmacol Biochem Behav** 1986 Jun; 24(6):1825-7

Maternal dietary sodium chloride levels affect the sex ratio in rat litters. Bird E, et al. **Physiol Behav** 1986;36(2):307-10

Dietary salt affects fluid intake and output patterns of pregnant rats. Bird E, et al. **Physiol Behav** 1986;37(2):365-9

Correlation of cerebrovascular disease standardized mortality ratios with dietary sodium and the sodium/potassium ratio among the Japanese population. Ikeda M, et al. **Prev Med** 1986 Jan;15(1):46-59

Intracholedochal irrigation with saline through a nasobiliary catheter: an adjunct to endoscopic sphincterotomy in the treatment of large stones in the common bile duct. Alberti-Flor JJ, et al. **South Med J** 1985 Nov; 78(11):1337-40

Prevention of acute tubular necrosis after transplantation: effect of pretransplantation volume expansion. Rajagopalan PR, et al. **South Med J** 1986 Aug;79(8):972-4

Reconstruction by expansion in the patient with cancer of the head and neck. Manders EK. **Surg Clin North Am** 1986 Feb;66(1):201-12

The role of lung innervation in the hemodynamic response to hypertonic sodium chloride solutions in hemorrhagic shock. Younes RN, et al. **Surgery** 1985 Nov;98(5):900-6

Oral rehydration therapy. Avery ME. **Turk J Pediatr** 1986 Apr-Jun;28(2):137-40

[A comparative study of the incidence of hypertension among farmers in salt tea and non-salt tea areas] Li SK. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1984 Dec; 12(4):262-4 (Chi)

[Apropos of fluorine and dental caries. Implications of using fluoridated table salt] Ferrando R. **Bull Acad Natl Med (Paris)** 1985 Nov;169(8):1165-9 (Fre)

[In vitro study of delta-6- and delta-5-desaturation of linoleic and dihomo-gamma-linolenic acids in WKY rats on a high-sodium diet] Narce M, et al. **C R Soc Biol (Paris)** 1985;179(6):732-40 (Eng. Abstr.) (Fre)

[Isovolemic hemodilution in stage-IIb peripheral arterial occlusive diseases. Prospective randomized double-blind comparison of middle-molecule hydroxyethyl starch and

electrolyte solution] Kiesewetter H, et al. **Dtsch Med Wochenschr** 1986 Aug 29;111(35):1307–12 (Eng. Abstr.) (Ger)

[Modification of skin sensitivity to selective UV–B (SUP) by water baths and various saline solutions—effect of various concentrations, duration of effect] Haas PJ. **Z Hautkr** 1985 Dec 15;60(24):1953–8 (Eng. Abstr.) (Ger)

[Salt, water, sugar. Oral rehydration in infantile and childhood diarrhea] Mestyán G. **Orv Hetil** 1986 Jun 22; 127(25):1491–4 (Eng. Abstr.) (Hun)

[Effects of different salt intakes on urinary output of catecholamines and renal sympathetic nerve activity] Yamazaki H, et al. **Nippon Jiazo Gakkai Shi** 1985 Nov; 27(11):1565–70 (Eng. Abstr.) (Jpn)

[Experimental data in evaluation of the preventive effectiveness of various inhalation methods in silicosis] Privalov LI, et al. **Gig Tr Prof Zabol** 1986 Jan;(1):45–7 (Rus)

[A method of intravenous autoanalgesia with narcotic analgetics in the postoperative period] Kreidich SA. **Klin Khir** 1986;(5):45–7 (Eng. Abstr.) (Rus)

[Methods of sanation of the abdominal cavity in acute peritonitis] Mil'kov BO, et al. **Klin Khir** 1986;(4):21–3 (Eng. Abstr.) (Rus)

[Shy–Drager syndrome: description of a clinical case which failed to respond to propranolol, ergotamine and indomethacin] Rodríguez Vallejo A, et al. **Arch Neurobiol (Madr)** 1986 Jan–Feb;49(1):46–53 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

Complications of commercial rehydration packets [letter] Bhargava SK, et al. **Indian Pediatr** 1985 Jan;22(1):78–9

High calcium intake does not prevent stress–salt hypertension in dogs. Anderson DE, et al. **Pavlov J Biol Sci** 1986 Jan–Mar;21(1):25–31

Hypernatremia in cancer patients receiving normal saline, furosemide, and "salt–poor" albumin.Kalter S, et al. **Tex Med** 1985 Dec;81(12):45–7

[Hashimoto's lymphomatous thyroiditis and endemic struma] Oechslin E, et al. **Schweiz Med Wochenschr** 1985 Aug 31; 115(35):1182–91 (Eng. Abstr.) (Ger)

[Dietary sodium and arterial hypertension] Semplicini A, et al. **G Ital Cardiol** 1986 Feb;16(2):149–54 (Ita)

ANALYSIS

Composition of cardioplegic solutions used in nine medical centers. Klamerus KJ, et al. **Am J Hosp Pharm** 1986 Jun; 43(6):1479–82

Stability of procaine hydrochloride in a cardioplegic solution containing bicarbonate. Synave R, et al. **J Clin Hosp Pharm** 1985 Dec;10(4):385–8

Effect of salinity on the behavior and oxygen consumption of Mugil curema (Pisces, Mugilidae). Fanta–Feofiloff E, et al. **Physiol Behav** 1986;36(6):1029–34

[Determination of iodine in iodized salt] Liu J. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1984 Nov; 18(6):372–3 (Chi)

BLOOD

Catecholamine–induced transport systems in trout erythrocyte. Na+/H+ countertransport or NaCl cotransport? Borgese F, et al. **J Gen Physiol** 1986 Apr; 87(4):551–66

Hypernatremia inhibits NaHCO3 reabsorption and associated NaCl reabsorption in dogs. Langberg H, et al. **Kidney Int** 1986 Apr;29(4):820–8

DIAGNOSTIC USE

The saline continence test. Dynamic studies in faecal incontinence, haemorrhoids and the descending perineum syndrome. Bartolo DC, et al. **Acta Gastroenterol Belg** 1985 Jan–Feb;48(1):39–50

Use of the saline infusion test to diagnose the cause of primary aldosteronism. Arteaga E, et al. **Am J Med** 1985 Dec; 79(6):722–8

Response of the hypothalamo–neurohypophyseal axis (AVP system) and the kidney to salt load in young propylthiouracil–treated rats. Ali M, et al. **Horm Metab Res** 1985 Oct;17(10):502–6

Renal and endocrine response to saline infusion in essential hypertension. Rydstedt LL, et al. **Hypertension** 1986 Mar; 8(3):217–22

[Clinical assesment of posterior pituitary function by direct measurement of plasma vasopressin levels during hypertonic saline infusion] Oiso Y, et al. **Nippon Naibunpi Gakkai Zasshi** 1986 May 20;62(5):608–18 (Eng. Abstr.) (Jpn)

[Evaluation of clinical usefulness of the infusion test and the indicator of intracranial pressure instability in patients with open hydrocephalus] Slósarek J. **Neurol Neurochir Pol** 1985 May–Jun;19(3):236–40 (Eng. Abstr.) (Pol)

[Value of salt loads in the evaluation of functional status of the kidneys in patients with hypertension] Gazarian GA. **Kardiologiia** 1985 Jun;25(6):24–7 (Eng. Abstr.) (Rus)

HISTORY

Dr. William Heberden, Sr.'s note on Dr. William Harvey. Paulshock BZ. **Del Med J** 1986 May;58(5):348, 350

METABOLISM

Salt and water balance in congestive heart failure. Dyckner T, et al. **Acta Med Scand [Suppl]** 1986;707:27–31

Role of inner medullary collecting duct NaCl transport in urinary concentration. Chandhoke PS, et al. **Am J Physiol** 1985 Nov;249(5 Pt 2):F688–97

Evidence for electroneutral sodium chloride transport in rat proximal convoluted tubule. Howlin KJ, et al. **Am J Physiol** 1986 Apr;250(4 Pt 2):F644–8

NaCl transport stimulates prostaglandin release in cultured renal epithelial (MDCK) cells. Kurtz A, et al. **Am J Physiol** 1986 May;250(5 Pt 1):C676–81

Effects of increase in plasma calcium concentration on renal handling of NaCl and NaHCO3. Mercier O, et al. **Am J Physiol** 1986 Mar;250(3 Pt 2):F441–50

Electrophysiology of salamander proximal tubule. II. Interspace NaCl concentrations and solute–coupled water transport. Sackin H. **Am J Physiol** 1986 Aug;251(2 Pt 2):F334–47

Stoichiometry of sodium chloride transport by rectal gland of Squalus acanthias. Silva P, et al. **Am J Physiol** 1986 Mar;250(3 Pt 2):F516–9

Role of the NaCl–KCl cotransport system in active chloride absorption and secretion. Kinne R, et al. **Ann NY Acad Sci** 1985;456:198–206 (28 ref.)

The role of respiration during adaptation of the freshwater cyanobacterium Synechococcus 6311 to salinity. Fry IV, et al. **Arch Biochem Biophys** 1986 Feb 1;244(2):686–91

Modulation of salt permeabilities of intestinal brush–border membrane vesicles by micromolar levels of internal calcium. Vaandrager AB, et al. **Biochim Biophys Acta** 1986 Apr 14;856(2):325–36

Regulation of salt and water transport across airway mucosa. Al–Bazzaz FJ. **Clin Chest Med** 1986 Jun;7(2):259–72 (85 ref.)

Lack of effects of maternal salt intake on blood pressure of offspring in Dahl salt–sensitive rats. Dene H, et al. **Clin Exp Hypertens [A]** 1985;7(8):1121–33

Dietary sodium and blood pressure. Weinberger MH. **Hosp Pract [Off]** 1986 Aug 15;21(8):55–64

Copper ions and hydrogen peroxide form hypochlorite from NaCl thereby mimicking myeloperoxidase. Frenkel K, et al. **J Cell Biochem** 1986;30(3):181–93

Ion transport in proximal colon of the rat. Sodium depletion stimulates neutral sodium chloride absorption. Foster ES, et al. **J Clin Invest** 1986 Jan;77(1):228–35

Augmentation of neutral sodium chloride absorption by increased flow rate in rat ileum in vivo. Harris MS, et al. **J Clin Invest** 1986 Aug;78(2):431–8

The effects of enalapril on blood pressure and the kidney in normotensive subjects under altered sodium balance. McNabb WR, et al. **J Hypertens** 1986 Feb;4(1):39–47

Bumetanide inhibition of [CO2 + HCO3]–dependent and –independent equivalent electrical flux in renal cortical thick ascending limbs. Friedman PA. **J Pharmacol Exp Ther** 1986 Aug;238(2):407–14

Renal Na,K–adenosine triphosphatase transport rate limits transcellular NaCl reabsorption in distal nephrons of volume–expanded dogs. Kiil F, et al. **J Pharmacol Exp Ther** 1986 Jul;238(1):327–33

The use of membrane vesicles to study the NaCl/KCl cotransporter involved in active transepithelial chloride transport. Kinne R, et al. **Pflugers Arch** 1985;405 Suppl 1:S101–5

Effect of intracerebroventricular vanadate administration on salt and water intake and excretion in the rat. Chiaraviglio E, et al. **Pharmacol Biochem Behav** 1986 Jun;24(6):1503–8

Utilization of sodium from sodium bicarbonate by broiler chicks. Damron BL, et al. **Poult Sci** 1986 Apr;65(4):782–5

Sodium chloride, water and urea handling in the rat renal medulla: a computer simulation. Barrett GL, et al. **Renal Physiol** 1986;9(4):223–40

[Chloride and sodium chloride concentrations in various organs and the blood serum of hens—a contribution to the diagnosis of common salt poisoning] Müller H, et al. **Arch Exp Veterinarmed** 1985 Nov;39(6):836–46 (Eng. Abstr.) (Ger)

[Psoriasis and sodium chloride] Wanjura HJ. **Derm Beruf Umwelt** 1986 Mar–Apr;34(2):41–2 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

The effect of prostaglandins E1, E2, F1 alpha and F2 alpha on pig erythrocytes during haemolysis induced with aspirin and hypotonic NaCl solution. Ledwożyw A, et al. **Acta Physiol Pol** 1985 Sep–Dec;36(5–6):352–9

Influence of water–diuresis or saline volume expansion on deep nephron tubuloglomerular feedback. Müller–Suur R, et al. **Acta Physiol Scand** 1986 Jan;126(1):139–46

The effect of sodium load on the development of hypertension, plasma renin and kininogen in rats with renal artery constriction. Pyykönen ML, et al. **Acta Physiol Scand** 1986 Aug;127(4):461–6

Sodium–induced release of enkephalins from bovine chromaffin granules in vitro. Uvnäs B, et al. **Acta Physiol Scand** 1985 Aug;124(4):629–30

Renomedullary phospholipases in salt–sensitive and salt–resistant Dahl rats. Limas C, et al. **Am J Med Sci** 1985 Nov;290(5):185–91

The influence of hypertonic NaCl on nucleocytoplasmic translocation of RNA in the rat liver. Sidransky H, et al. **Am J Pathol** 1986 Jun;123(3):577–84

Inhibition of thermal panting by intracarotid infusion of hypertonic saline in dogs. Baker MA, et al. **Am J Physiol** 1985 Dec;249(6 Pt 2):R787–91

Renal nerves are not necessary for onset or maintenance of DOC–salt hypertension in rats. Drielak DJ, et al. **Am J Physiol** 1985 Nov;249(5 Pt 2):H945–9

Drinking and natriuresis during volume expansion and intracranial angiotensin or carbachol. Fitts DA, et al. **Am J Physiol** 1986 Aug;251(2 Pt 2):R381–7

Changes in blood pressure and extracellular fluid with taurine in DOCA–salt rats. Fujita T, et al. **Am J Physiol** 1986 Jun; 250(6 Pt 2):R1014–20

Effect of dietary NaCl on chloride uptake in rat collecting duct segment. Galla JH, et al. **Am J Physiol** 1986 Sep;251(3 Pt 2):F454–9

Pressor responses to central hypertonic NaCl stimulation in conscious turkeys. Lee JC, et al. **Am J Physiol** 1986 Aug; 251(2 Pt 2):R258–63

Atrial natriuretic peptide levels during acute and chronic saline loading in conscious dogs. Salazar FJ, et al. **Am J Physiol** 1986 Sep;251(3 Pt 2):R499–503

Oral hypertonic saline causes transient fall of vasopressin in humans. Seckl JR, et al. **Am J Physiol** 1986 Aug;251(2 Pt 2):R214–7

Role of arginine vasopressin in fetal renal response to hypertonicity. Woods LL, et al. **Am J Physiol** 1986 Jul; 251(1 Pt 2):F156–63

Fetal renal contribution to amniotic fluid osmolality during maternal hypertonicity. Woods LL. **Am J Physiol** 1986 Feb;250(2 Pt 2):R235–9

A comparison of therapeutic bandage lenses, tarsorrhaphy, and antibiotic and hypertonic saline on corneal epithelial wound healing. Ali Z, et al. **Ann Ophthalmol** 1986 Jan; 18(1):22–4

Effect of NaCl supplementation of Mueller–Hinton broth on susceptibility of staphylococci to aminoglycosides. Campos JM, et al. **Antimicrob Agents Chemother** 1986 Jan; 29(1):152–4

Bupivacaine and saline effects on articular cartilage. Nole R, et al. **Arthroscopy** 1985;1(2):123–7

Cardiovascular deconditioning during space flight and the use of saline as a countermeasure to orthostatic intolerance. Bungo MW, et al. **Aviat Space Environ Med** 1985 Oct; 56(10):985–90

Effects of dietary NaCl deprivation during early development on behavioral and neurophysiological taste responses. Hill DL, et al. **Behav Neurosci** 1986 Jun;100(3):390–8

Protective effect of Na+ and K+ against inactivation of (Na+ + K+)–ATPase by high concentrations of 2–mercaptoethanol at high temperatures. Kawamura M, et al. **Biochim Biophys Acta** 1985 Nov 21;821(1):115–20

The effects of salts and amino group modification on the iron binding domains of transferrin. Thompson CP, et al. **Biochim Biophys Acta** 1986 Apr 22;870(3):530–7

Effect of NaCl on the association of thrombin with heparin. Oshima G, et al. **Biopolymers** 1986 Apr;25(4):527–37

Salt and the glycaemic response. Thorburn AW, et al. **Br Med J [Clin Res]** 1986 Jun 28;292(6537):1697–9

Body temperature and plasma arginine vasotocin in fowls adapted to high– and low–NaCl diets. Arad Z, et al. **Br Poult Sci** 1986 Mar;27(1):115–21

Activation of the hypothalamo–neurohypophysial system by hypertonic superfusion of the rat mesentery. Arsenijevic Y, et al. **Brain Res** 1985 Nov 11;347(1):169–72

Hypertensive response to saline microinjection in the area of the nucleus tractus solitarii of the rat. Gavras H, et al. **Brain Res** 1985 Sep 16;343(1):113–9

Response of rat paraventricular neurones with central projections to suckling, haemorrhage or osmotic stimuli. Lawrence D, et al. **Brain Res** 1985 Aug 19;341(1):176–83

Aortic baroreceptor deafferentation diminishes saline–induced drinking in rats. Rettig R, et al. **Brain Res** 1986 Apr 2;370(1):29–37

Subfornical organ: effects of salt loading and water deprivation on in vitro radioamino acid incorporation into individual proteins. Santer DM, et al. **Brain Res** 1986 Apr 30;372(1):107–14

The effects of rapid infusions of saline and mannitol on cerebral blood volume and intracranial pressure in dogs. Ravussin P, et al. **Can Anaesth Soc J** 1985 Sep;32(5):506–15

Intragastric glucose and saline cause a much pronounced postoperative retention than fat emulsion and amino acids. Harju E, et al. **Chir Patol Sper** 1983 Oct;31(5):187–92

Hypertonic resuscitation from severe hemorrhagic shock: patterns of regional circulation. Rocha–e–Silva M, et al. **Circ Shock** 1986;19(2):165–75

Responses of neurohypophysial peptides to hypertonic saline and insulin–induced hypoglycaemia in man. Nussey SS, et al. **Clin Endocrinol (Oxf)** 1986 Jan;24(1):97–105

Effect of salt loading on blood pressure and eicosanoid metabolism of spontaneously hypertensive rats fed a fish oil enriched diet. Codde JP, et al. **Clin Exp Pharmacol Physiol** 1986 Apr;13(4):371–5

Modulation of right and left ventricular wall thicknesses in experimental hypertension. Fernandez D, et al. **Clin Invest Med** 1985;8(3):208–13

Effects of an intravenous saline load on erythrocyte sodium transport in normal human subjects. Boero R, et al. **Clin Sci** 1985 Dec;69(6):709–12

Age–dependent blood pressure response to increased salt intake in rats influenced by a transient renal ischaemia.

Kunel J, et al. **Clin Sci** 1986 Feb;70(2):185–9
The effect of chronic saline exposure on the electrolyte balance, nitrogen metabolism, and corticosterone titer in the American alligator, Alligator mississippiensis. Laurén DJ. **Comp Biochem Physiol [A]** 1985;81(2):217–23
Osmoregulation of the cane toad, Bufo marinus, in salt water. Liggins GW, et al. **Comp Biochem Physiol [A]** 1985; 82(3):613–9
Comparative electrical properties of identified neurons in Elysia chlorotica before and after low salinity acclimation. Parker HT, et al. **Comp Biochem Physiol [A]** 1985; 82(2):367–72
Comparison of native and KCl treated 40S ribosomal subunits from the silkmoth Antherea pernyi and mammals. Kouyanou S, et al. **Comp Biochem Physiol [B]** 1985; 82(3):461–8
Salt and experimental hypertension: the influence of age. Jelínek J, et al. **Cor Vasa** 1986;28(3):226–33
The effect of a new intraocular irrigating solution containing dextran on rabbit corneal endothelium. Polack PJ, et al. **Cornea** 1985–86;4(4):210–9
Effects on cerebral hemodynamics of resuscitation from endotoxic shock with hypertonic saline versus lactated Ringer's solution. Prough DS, et al. **Crit Care Med** 1985 Dec;13(12):1040–4
Effect of plasma on the recovery and FDA survival of human granulocytes incubated at 37 degrees C after exposure to phosphate-buffered saline or glycerol. Armitage WJ, et al. **Cryobiology** 1986 Apr;23(2):194–7
Sodium retention in response to saline infusion in uncomplicated diabetes mellitus. Roland JM, et al. **Diabetes Res** 1986 May;3(4):213–5
Effect of sodium intake on the excretion of urinary natriuretic factor in essential hypertensives. Morise T, et al. **Endocrinol Jpn** 1985 Jun;32(3):405–11
The short-term effect of captopril on salt and water intake in the rat is not taste-specific. Evered MD, et al. **Eur J Pharmacol** 1985 Oct 22;116(3):249–55
Cellular and secreted tumor plasminogen activator: the effects of NaCl. Badenoch-Jones P, et al. **Experientia** 1986 Apr 15;42(4):433–5
Antidiuretic hormone involvement in the release of alpha-melanocyte-stimulating hormone by hyperosmotic stimuli. Howe A, et al. **Experientia** 1985 Sep 15; 41(9):1163–5
Equilibrium between active and inactive forms of rat liver ornithine decarboxylase mediated by L-ornithine and salts. Solano F, et al. **FEBS Lett** 1985 Oct 14;190(2):324–8
An accelerated increase of circulating atrial natriuretic polypeptide in salt-loaded spontaneously hypertensive rats. Kohno M, et al. **Horm Metab Res** 1986 Feb;18(2):147–8
How does salt raise blood pressure? A hypothesis. Gavras H. **Hypertension** 1986 Jan;8(1):83–8 (64 ref.)
Effects of sodium chloride on pregnant sheep with reduced uteroplacental perfusion pressure. Leffler CW, et al. **Hypertension** 1986 Jan;8(1):62–5
Catecholamines in kidneys of normotensive and genetically hypertensive rats. Effects of salt load. Petrovic T, et al. **Hypertension** 1986 Feb;8(2):122–7
Roles of internally and externally supplied cyclic AMP in the growth response of Escherichia coli to NaCl. Gupta A, et al. **Indian J Exp Biol** 1985 Nov;23(11):647–52
Fixation and repair by anisotonic treatment of radiation damage leading to oncogenic transformation. Raaphorst GP, et al. **Int J Radiat Biol** 1986 Mar;49(3):383–93
A simple procedure for the purification of neutral salt soluble type I collagen from skin. Speranza ML, et al. **Ital J Biochem** 1986 Jan–Feb;35(1):42–8
The effect of the Keyes technique on the structure and function of oral mucosa. Romanowski A. **J Am Dent Assoc** 1986 Feb;112(2):173–5
Inhibition of phencyclidine percutaneous absorption by parenterally administered hypertonic saline. Bailey DN, et al. **J Anal Toxicol** 1985 Nov–Dec;9(6):267–8
Pre- and neonatal exposure of the Dahl rat to NaCl: development and regional distribution of myocardial alpha 1-adrenergic and cholinergic receptor sites. McCaughran JA Jr, et al. **J Auton Nerv Syst** 1986 Jun;16(2):137–52
The DNA scanning mechanism of T4 endonuclease V. Effect of NaCl concentration on processive nicking activity. Gruskin EA, et al. **J Biol Chem** 1986 Jul 25;261(21):9607–13
Effects of acute water load, hypertonic saline infusion, and furosemide administration on atrial natriuretic peptide and vasopressin release in humans. Kimura T, et al. **J Clin Endocrinol Metab** 1986 May;62(5):1003–10
Hypotensive mechanism of potassium supplementation in salt-loaded patients with essential hypertension. Tabuchi Y, et al. **J Clin Hypertens** 1985 Jun;1(2):145–52
Distribution of renin activity and angiotensinogen in rat brain. Effects of dietary sodium chloride intake on brain renin. Genain CP, et al. **J Clin Invest** 1985 Nov;76(5):1939–45
Dietary intake of sodium chloride in the rat influences [3H]nitrendipine binding to adrenal glomerulosa cell membranes but does not alter binding to vascular smooth muscle membranes. Schiebinger RJ. **J Clin Invest** 1985 Dec; 76(6):2165–70
Salt-induced filamentous growth of a Salmonella strain isolated from blood. Yoshida S, et al. **J Clin Microbiol** 1986 Jan;23(1):192–4
Plasma levels of arginine vasotocin, prolactin, aldosterone and corticosterone during prolonged dehydration in the domestic fowl: effect of dietary NaCl. Arnason SS, et al. **J Comp Physiol [B]** 1986;156(3):383–97
Effects of neutral salts in a bench-scale caries model. Brown WE, et al. **J Dent Res** 1986 Sep;65(9):1115–20
Influence of age on the response to increased salt intake: effects on blood pressure and sodium in erythrocytes. Gudmundsson O, et al. **J Hypertension [Suppl]** 1983 Dec; 1(2):15–7
The natriuretic response to acute saline loading in normotensive and hypertensive renal transplant recipients. Mimran A, et al. **J Hypertension [Suppl]** 1983 Dec;1(2):55–7
Dopamine receptor blockade does not affect the natriuresis accompanying sodium chloride infusion in dogs. Bradley T, et al. **J Lab Clin Med** 1986 Jun;107(6):525–8
BSS Plus: a potential irrigating solution for neurosurgery. Meyer GA, et al. **J Neurosurg** 1986 Jun;64(6):911–7
Effects of NaCl on calcium balance, parathyroid function and hydroxyproline excretion in prednisolone-treated rats consuming low calcium diet. Goulding A, et al. **J Nutr** 1986 Jun;116(6):1037–44
An examination of the surface corrosion state of dental fillings and constructions. I. A laboratory investigation of the corrosion behaviour of dental alloys in natural saliva and saline solutions. Håkansson B, et al. **J Oral Rehabil** 1986 May;13(3):235–46
Ion concentration effects on the zeta potential of bone. Berretta DA, et al. **J Orthop Res** 1986;4(3):337–45
Lysis of human red blood cells in the presence of various cosolvents. II. The effect of differing NaCl concentrations. Reed KW, et al. **J Parenter Sci Technol** 1986 May–Jun; 40(3):88–94
Effects of the inorganic salts sodium chloride, sodium bicarbonate, and magnesium sulfate upon the growth and motility of Treponema vincentii. Wolinsky LE, et al. **J Periodontol** 1986 Mar;57(3):172–5
Sensitive assay and kinetic property of urinary inhibitor of Na+, K+-ATPase in sodium-loaded patients with essential hypertension. Masugi F, et al. **Jpn Circ J** 1985 Sep;49(9):980–3
Effect of sodium chloride on prostaglandin E2 synthesis in rat renal papillary collecting tubule cells in culture. Sato M, et al. **Jpn Circ J** 1985 Sep;49(9):1012–8
Salt-sensitive hypertension in West Africans: an uncoupling of the renal sodium-dopamine relation [letter] Critchley JA, et al. **Lancet** 1986 Aug 23;2(8504):460
Increase in plasma atrial natriuretic polypeptide (ANP) following sodium load in anesthetized rats. Kato J, et al. **Life Sci** 1986 Aug 11;39(6):493–7
Effect of hypertonic conditions on protein synthesis in MA104 cells infected with human rotavirus. Sato T, et al. **Med Microbiol Immunol (Berl)** 1985;174(4):211–20
Renal concentrating ability in obesity. Effect of modified fasting and the supplementation of T3, sodium chloride and carbohydrate. Koppeschaar HP, et al. **Metabolism** 1985 Nov;34(11):1066–72
Responsiveness of oxytocin-producing neurons to acute salt loading in rats: comparisons with vasopressin-producing neurons. Cheng SW, et al. **Neuroendocrinology** 1986; 42(2):174–80
The mechanism of opening of the blood-brain barrier by hypertonic saline. Gulati A, et al. **Neuropharmacology** 1985 Sep;24(9):909–13
Effects of acute saline infusion on the fractional sodium excretion and renal sympathetic nerve activity in the spontaneously hypertensive rat (SHR). Kawamura H, et al. **Nippon Jinzo Gakkai Shi** 1986 Mar;28(3):327–33
Effect of rice and salty rice diets on the structure of mouse stomach. Kodama M, et al. **Nutr Cancer** 1984;6(3):135–47
Effect of saline infusion on net reabsorption of endogenous sulfate relative to that of phosphate in intact and thyroparathyroidectomized rats. Frick A, et al. **Pflugers Arch** 1986 Apr;406(4):387–91
Inhibitory effects of harvested proximal tubular fluid on Jv and delta cNa during acute saline volume expansion in the rat. Györy AZ, et al. **Pflugers Arch** 1985;405 Suppl 1:S136–42
Effects of 2% sodium chloride imbibition on various opiate related hyperphagic conditions. Bryant HU, et al. **Pharmacol Biochem Behav** 1985 Sep;23(3):391–5
Effect of the presynaptic dopaminergic agonist, quinpirole, on the drinking responses of rats to angiotensin II, isoproterenol, and hypertonic saline. Fregly MJ, et al. **Pharmacol Biochem Behav** 1986 Mar;24(3):721–5
Social behaviour in pairs of C57BL/6 mice of both sexes in the open field: effects of saline drinking and of naloxone. Vickers C, et al. **Pharmacol Biochem Behav** 1985 Dec; 23(6):905–9
Operant drinking in pigs following intracerebroventricular injections of hypertonic solutions and angiotensin II. Baldwin BA, et al. **Physiol Behav** 1986;36(2):325–8
Control by cations of opioid binding in guinea pig brain membranes. Paterson SJ, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(16):6216–20
Role of volume and prostaglandin synthesis in the suppression of renin by saline in the rat. Lorenz JN, et al. **Proc Soc Exp Biol Med** 1986 Oct;183(1):59–65
The effect of sodium intake on renal prostaglandin production. Weisman SM, et al. **Proc Soc Exp Biol Med** 1986 Mar;181(3):357–63
Fluid balance during food deprivation and after intraruminal loads of water or isotonic saline in lactating and anoestral goats. Dahlborn K, et al. **Q J Exp Physiol** 1986 Apr; 71(2):223–33
Independent forms of potentially lethal damage fixed in plateau-phase Chinese hamster cells by postirradiation treatment in hypertonic salt solution or araA. Iliakis G, et al. **Radiat Res** 1985 Dec;104(3):329–45
Modification of cell survival and transformation by exposure to anisotonic solutions during irradiation. Raaphorst GP, et al. **Radiat Res** 1985 Dec;104(3):449–54
Salt sensitivity in normotensives with and salt resistance in normotensives without heredity of hypertension. Skrabal F, et al. **Scand J Clin Lab Invest [Suppl]** 1985;176:47–57
The influence of dextran and saline solution upon platelet behavior after microarterial anastomosis. Wieslander JB, et al. **Surg Gynecol Obstet** 1986 Sep;163(3):256–62
Renal responses to saline loading in conscious and anesthetized rats. Chen CF. **Taiwan I Hsueh Hui Tsa Chih** 1985 Nov;84(11):1207–14
Does hypernatraemia promote thrombosis? Grant PJ, et al. **Thromb Res** 1985 Nov 1;40(3):393–9
Effect of NaCl on inactivation of bovine thrombin by antithrombin III in the presence of low affinity-heparin or dextran sulfate. Oshima G, et al. **Thromb Res** 1986 Feb 1;41(3):361–72
The effect of replacement of 0.30% sodium chloride by 0.43% sodium bicarbonate in rations of fattening pigs on leg weakness, osteochondrosis and growth. van der Wal PG, et al. **Vet Q** 1986 Apr;8(2):136–44
In vitro haemolysis of SAG-M and CPD-A blood units [letter] Högman CF. **Vox Sang** 1985;48(2):126–7
[Development of immersion skin in fresh and salt water at different water temperatures] Püschel K, et al. **Z Rechtsmed** 1985;95(1):1–18 (Eng. Abstr.) **(Ger)**
[Effects of salt loading on the response to isoproterenol in normal and hypertensive subjects] Volpe M, et al. **Cardiologia** 1982;27(5):453–61 **(Ita)**
[Role of prostaglandins in natriuresis of perfused rat kidney with salt loading] Takashina R, et al. **Nippon Jinzo Gakkai Shi** 1986 Feb;28(2):191–5 (Eng. Abstr.) **(Jpn)**
[Studies on the pathophysiology of pregnancy induced hypertension—endocrinological analysis by the method of angiotensin II and NaCl loading] Yamasaki M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Nov; 37(11):2315–24 (Eng. Abstr.) **(Jpn)**
[Effect of sodium chloride on the properties of hemoglobin in the erythrocyte] Irzhak LI, et al. **Fiziol Zh SSSR** 1985 Jul;71(7):867–71 (Eng. Abstr.) **(Rus)**
[Resorption of Pu-238 in acid solutions after skin contamination and the effectiveness of its inactivation] Bazhin AG. **Gig Sanit** 1985 Sep;(9):85–8 **(Rus)**
[Role of the hyperconcentration of salts and dehydration in disorder of the permeability of reconstituted erythrocytes during freezing-thawing] Gulevskii AK, et al. **Izv Akad Nauk SSSR [Biol]** 1985 Jul–Aug;(4):617–22 (Eng. Abstr.) **(Rus)**
[Comparative study of the effect of ATP and a hypersaline solution on the cellular transmembrane potentials of the normal and the ischemic myocardium] Kobrin VI, et al. **Kardiologiia** 1985 Nov;25(11):101–3 **(Rus)**
[Na+ and K+ binding by glycerinated muscle fibers at equal concentrations of the chlorides of these cations in the medium] Shapiro EA, et al. **Tsitologiia** 1985 Oct; 27(10):1164–71 (Eng. Abstr.) **(Rus)**
[Effect of salt loading on the body water compartments in rats of different ages] Alzman RI, et al. **Zh Evol Biokhim Fiziol** 1986 Mar–Apr;22(2):149–56 (Eng. Abstr.) **(Rus)**

POISONING

Sodium poisoning: a lethal case of a burned child. Kaufman T, et al. **Burns Incl Therm Inj** 1986 Apr;12(4):293–4

SECRETION

Secretory NaCl and volume flow in renal tubules. Beyenbach KW. **Am J Physiol** 1986 May;250(5 Pt 2):R753–63 (67 ref.)
Role of osmosis in biliary NaCl secretion and bile formation. Mathisen O, et al. **Scand J Gastroenterol** 1985 Oct; 20(8):971–7

STANDARDS

Fungal contamination of balanced salt solution. Isenberg RA, et al. **J Am Intraocul Implant Soc** 1985 Sep;11(5):485–6

SUPPLY & DISTRIBUTION

Blood pressure and salt supplies in West Africa [letter] **Lancet** 1986 Jul 5;2(8497):43–5
Past salt supplies in West Africa and blood pressures today [letter] Fyfe C. **Lancet** 1986 May 24;1(8491):1218
History of salt supplies in West Africa and blood pressures today. Wilson TW. **Lancet** 1986 Apr 5;1(8484):784–6

THERAPEUTIC USE

Small-volume infusion of 7.5% NaCl in 6% Dextran 70 for the treatment of severe hemorrhagic shock in swine. Maningas PA, et al. **Ann Emerg Med** 1986 Oct; 15(10):1131–7
Treatment of hyponatraemic seizures with intravenous 29.2% saline [letter] Gill G. **Br Med J [Clin Res]** 1986 Mar 1; 292(6520):625
Treatment of hyponatraemic seizures with intravenous 29.2% saline. Worthley LI, et al. **Br Med J [Clin Res]** 1986 Jan

18;292(6514):168–70
Topical acidification promotes healing of experimental deep partial thickness skin burns: a randomized double-blind preliminary study. Kaufman T, et al. **Burns Incl Therm Inj** 1985 Dec;12(2):84–90
Salt or no salt in the treatment of cirrhotic ascites: a randomised study. Gauthier A, et al. **Gut** 1986 Jun; 27(6):705–9
The use of bolus normal saline instillations in artificial airways: is it useful or necessary? [letter] Glickman J. **Heart Lung** 1986 May;15(3):320
Oral rehydration of low birth weight infants. Bhargava SK, et al. **Indian Pediatr** 1985 Sep;22(9):708–9
Umbilical granuloma [letter] Phatak AT, et al. **Indian Pediatr** 1985 Jul;22(7):545
W.H.O. recommended oral rehydration solution in acute diarrheal dehydration in infants. Rai V, et al. **Indian Pediatr** 1985 Jul;22(7):493–9
Effects of hypertonic saline versus lactated Ringer's solution on cerebral oxygen transport during resuscitation from hemorrhagic shock. Prough DS, et al. **J Neurosurg** 1986 Apr;64(4):627–32
Water and solute imbalance in oral rehydration [editorial] Finberg L. **J Pediatr Gastroenterol Nutr** 1986 Jan;5(1):4–5
Oral rehydration therapy: its use in neonates and young infants. Pizarro D. **J Pediatr Gastroenterol Nutr** 1986 Jan; 5(1):6–8
The effect of pneumatic antishock garments in the treatment of lethal combined hepatic and caval injuries in rats. Aberg T, et al. **J Trauma** 1986 Aug;26(8):727–32
Research priorities on diarrhoeal diseases to support the Control of Diarrhoeal Diseases (CDD) programme in Indonesia. Sunoto. **Paediatr Indones** 1986 Jan–Feb; 26(1–2):25–34
Oral rehydration therapy. Biddulph J. **Papua New Guinea Med J** 1985 Dec;28(4):303–9
Effective treatment of diarrhoeal dehydration with an oral rehydration solution containing citrate. Ahmed SM, et al. **Scand J Infect Dis** 1986;18(1):65–70
[Articular irrigation in arthroscopy] Martinez Moreno JL, et al. **Int Orthop** 1986;10(2):101–4 (Eng. Abstr.) **(Fre)**
[Correction of disorders in the rheological properties of the blood in polycythemia vera patients using polidez] Mikhallova LG, et al. **Gematol Transfuziol** 1986 Jun; 31(6):9–12 (Eng. Abstr.) **(Rus)**

TOXICITY

An experimental study of inner ear pathology due to NaCl on the round window. Colletti V, et al. **Acta Otolaryngol (Stockh)** 1986 Jan–Feb;101(1–2):53–8
Flow cytometric analysis of the effect of sodium chloride on gastric cancer risk in the rat. Charnley G, et al. **Cancer Res** 1985 Nov;45(11 Pt 2):5608–16
Primary impairment of cardiopulmonary baroreflexes in Dahl salt-sensitive rats. Ferrari AU, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S401–3
'Calcium agonist' in salt-dependent hypertension: hints at calcium-mediated blood pressure increase. Garthoff B, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S503–5
Dietary chloride and bicarbonate as determinants of desoxycorticosterone hypertension. Kurtz TW, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S371–3
A different role of digoxin-like factor in the maintenance of elevated blood pressure in rats treated with DOCA and saline in youth or only in adulthood. Zicha J, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S481–3
Effects of sodium chloride and alcohol on experimental esophageal carcinogenesis induced by N-nitrosopiperidine in rats. Konishi N, et al. **Jpn J Cancer Res** 1986 May; 77(5):446–51
Intradermal hypertonic saline-induced behavior as a nociceptive test in mice. Hwang AS, et al. **Life Sci** 1986 Jun 30;38(26):2389–96
[Effect of NaCl on the induction of gastrointestinal tumors in rats] Sherenesheva NI. **Vopr Onkol** 1986;32(7):57–60 (Eng. Abstr.) **(Rus)**

URINE

Congenital renal salt-losing syndrome and failure to thrive in infancy. Chua HL, et al. **Aust Paediatr J** 1986 May; 22(2):145–6
Synthesis, saluduretic, and antihypertensive activity of 6,7-disubstituted 1(2H)- and 3,4-dihydro-1(2H)-phthalazinones. Cherkez S, et al. **J Med Chem** 1986 Jun;29(6):947–59

SODIUM CLOXACILLIN see **CLOXACILLIN**

SODIUM CROMOGLYCATE see **DISODIUM CROMOGLYCATE**

SODIUM CYANIDE see under **CYANIDES**

SODIUM DODECYL SULFATE

Binding of lithium dodecyl sulfate to polyacrylamide gel at 4 degrees C perturbs electrophoresis of proteins. Kubo K, et al. **Anal Biochem** 1986 Jul;156(1):11–6
The effect of sodium lauryl sulphate, cetrimide and polysorbate 20 surfactants on complex coacervate volume and droplet size. Duquemin SJ, et al. **J Pharm Pharmacol** 1985 Oct;37(10):698–702
Experimental evaluation of porcine-valved conduits processed with a calcium-retarding agent (T6). Thiene G, et al. **J Thorac Cardiovasc Surg** 1986 Feb;91(2):215–24
The effect of sodium lauryl sulphate on the viscosity of vehicles for vaginal contraceptives with sodium carboxymethylcellulose and Veegum HV. Primorac M, et al. **Pharmazie** 1986 Apr;41(4):293

ADMINISTRATION & DOSAGE

Stratum corneum lipid abnormalities in surfactant-induced dry scaly skin. Fulmer AW, et al. **J Invest Dermatol** 1986 May;86(5):598–602

ADVERSE EFFECTS

Damage of porcine sortic valve tissue caused by the surfactant sodiumdodecylsulphate. Bodnar E, et al. **Thorac Cardiovasc Surg** 1986 Apr;34(2):82–5

ANALYSIS

Acid-catalyzed hydrolysis of sodium dodecyl sulfate. Nakagaki M, et al. **J Pharm Sci** 1985 Oct;74(10):1047–52
Determination of sodium dodecyl sulfate in hydrophilic ointments by thin-layer chromatography with flame ionization detection. Yamaoka K, et al. **J Pharm Sci** 1986 Jun;75(6):606–7
[Determination of henapol and sactone in the internal organs of the cadaver] Fartushnyl AF, et al. **Sud Med Ekspert** 1985 Jul-Sep;28(3):32–4 (Eng. Abstr.) **(Rus)**

METABOLISM

Binding of sodium dodecyl sulfate to aprotinin and its effect on the aprotinin molecule. Shikimi T. **Chem Pharm Bull (Tokyo)** 1986 May;34(5):2224–7
Sodium dodecyl sulfate–bovine plasma albumin complex. Structural transition from native to relatively compact globule forms with mobile side chains in acidic region—N–F transition. Era S, et al. **Int J Pept Protein Res** 1985 Jul;26(1):21–32

PHARMACODYNAMICS

Metal-ion assisted detergent action on bacterial growth: detergent specificity and mechanism of inhibition. Raghavan PS, et al. **Acta Microbiol Hung** 1986;33(1):3–7
Augmentation of sarcolemmal Ca by anionic amphiphile: contractile response of three ventricular tissues. Langer GA, et al. **Am J Physiol** 1986 Feb;250(2 Pt 2):H247–54
Activation of NADPH-dependent superoxide production in a cell-free system by sodium dodecyl sulfate. Bromberg Y, et al. **J Biol Chem** 1985 Nov 5;260(25):13539–45
Postthaw survival and fertility of frozen bull spermatozoa treated with antibiotics and detergent. Ahmad K, et al. **J Dairy Sci** 1986 Feb;69(2):535–41
A comparison of the dodecyl sulfate-induced precipitation of the myelin basic protein with other water-soluble proteins. Moskaitis JE, et al. **Neurochem Res** 1986 Feb; 11(2):299–315
An assessment of the extent of antigenic analogy between physiologically bound C3 and C3 denatured by sodium dodecyl sulphate. Nilsson B, et al. **Scand J Immunol** 1985 Dec;22(6):703–10

THERAPEUTIC USE

[Mepartricin-sodium lauryl sulfate in the therapy of vulvo-vaginal mycosis] Capotorto A, et al. **Minerva Ginecol** 1985 Sep;37(9):541–4 (Eng. Abstr.) **(Ita)**

TOXICITY

Laser-Doppler flowmetry in the investigation of irritant compounds on human skin. Blanken R, et al. **Derm Beruf Umwelt** 1986 Jan–Feb;34(1):5–9

SODIUM ETIDRONATE

ADMINISTRATION & DOSAGE

Immobilization hypercalcemia associated with Landry-Guillain-Barré syndrome. Successful therapy with combined calcitonin and etidronate. Meythaler JM, et al. **Arch Intern Med** 1986 Aug;146(8):1567–71
Effective short term treatment of Paget's disease with oral etidronate. Preston CJ, et al. **Br Med J [Clin Res]** 1986 Jan 11;292(6513):79–80
Effects of diphosphonate on osteoporosis induced in rats. Roentogenological, histological and biomechanical studies. Shiota E. **Fukuoka Igaku Zasshi** 1985 Jun;76(6):317–42
Local controlled-release of diphosphonates from ethylenevinylacetate matrices prevents bioprosthetic heart valve calcification. Levy RJ, et al. **Trans Am Soc Artif Intern Organs** 1985;31:459–63
[Therapeutic sequences calcitonin–EHDP and EHDP–calcitonin in Paget's disease. Histological and biological study] Eisinger J, et al. **Rev Rhum Mal Osteoartic** 1986 Mar;53(3):183–5 **(Fre)**

ADVERSE EFFECTS

Osteomalacia in Paget's disease treated with short term, high dose sodium etidronate. Gibbs CJ, et al. **Br Med J [Clin Res]** 1986 May 10;292(6530):1227–9
Spontaneous fractures of uninvolved bones in patients with Paget's disease during unduly prolonged treatment with disodium etidronate (EHDP). Mautalen C, et al. **Clin Orthop** 1986 Jun;(207):150–5
[Pseudotumoral osteolysis caused by diphosphonates (letter)] Fedou P, et al. **Rev Rhum Mal Osteoartic** 1986 Apr; 53(4):293–4 **(Fre)**

ANALYSIS

Liquid chromatography of tin-reduced technetium hydroxyethylidene diphosphonate complexes for on-line spectral characterization and double isotope labeling. Mikelsons MV, et al. **Anal Chem** 1986 May;58(6):1007–13

DIAGNOSTIC USE

[Scintigraphic detection of experimental myocardial infarct using 99mTC-hydroxyethylidine diphosphonate (99mTc-EHDP)] Dulka F, et al. **Cesk Radiol** 1986 Mar; 40(2):102–8 (Eng. Abstr.) **(Cze)**
[Diagnostic significance of electrocardiography and myocardial scintigraphy with 99m Tc-Sn-pyrophosphate and 99m Tc-Sn-phosphone in patients with stenocardia] Zudbinov IuI, et al. **Med Radiol (Mosk)** 1986 Aug; 31(8):22–6 (Eng. Abstr.) **(Rus)**

METABOLISM

Absorption of oral diphosphonate in normal subjects. Fogelman I, et al. **Clin Endocrinol (Oxf)** 1986 Jan; 24(1):57–62

PHARMACODYNAMICS

Effects of 1-hydroxyethylidene-1, 1-bisphosphonate (HEBP) on the formation of dentin and the periodontal attachment apparatus in the mouse. Beertsen W, et al. **Am J Anat** 1985 Sep;174(1):83–103
Effects of 1-hydroxyethylidene-1,1 bisphosphonate and (chloro-4 phenyl) thiomethylene bisphosphonic acid (SR 41319) on the mononuclear cell factor-mediated release of neutral proteinases by articular chondrocytes and synovial cells. Emonds-Alt X, et al. **Biochem Pharmacol** 1985 Nov 15;34(22):4043–9
Effects of bisphosphonates on the incorporation of calcium-45 and 3H-proline in orthotopic and in demineralized matrix-induced bone in rats. Bauer HC, et al. **Bone** 1986;7(2):129–35
Effect of pyrophosphate and two diphosphonates on 45Ca and 32Pi uptake and mineralization by matrix vesicle-enriched fractions and by hydroxyapatite. Register TC, et al. **Bone** 1985;6(5):307–12
Quantification of regional platelet and calcium deposition on pericardial tissue valve prostheses in calves and effect of hydroxyethylene diphosphonate. Dewanjee MK, et al. **J Thorac Cardiovasc Surg** 1986 Sep;92(3 Pt 1):337–48
[Effect of etidronate disodium (EHDP) on calcium oxalate renal stones induced by synthetic 1 alpha(OH) vitamin D3 and ethylene glycol in rats] Kawamura J, et al. **Hinyokika Kiyo** 1985 May;31(5):749–62 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Long-term follow-up of therapy with intermittent etidronate disodium in Paget's disease of bone. Altman RD. **Am J Med** 1985 Nov;79(5):583–90
Short term high doses of etidronate in Paget's disease of bone [letter] Kanis JA, et al. **Br Med J [Clin Res]** 1986 Jun 21; 292(6536):1667
Short term high doses of etidronate in Paget's disease [letter] Peacock M, et al. **Br Med J [Clin Res]** 1986 Jul 19; 293(6540):207
Experience with sodium etidronate in the treatment of symptomatic Paget's disease of bone [letter] Bourke J, et al. **Ir Med J** 1985 Oct;78(10):300
Prevention of ectopic bone formation by local application of ethane-1-hydroxy-1,1-diphosphonate (EHDP): an experimental study in rabbits. Ahrengart L, et al. **J Orthop Res** 1986;4(1):18–26
Effect of EHDP on fracture healing in dogs. Lenehan TM, et al. **J Orthop Res** 1985;3(4):499–507
[Hypercalcemia with elevation of parathormone in lymphocytic lymphoma. Efficacy of ethanehydroxydiphosphonate by mouth] Desablens B, et al. **Ann Med Interne (Paris)** 1985;136(2):114–20 (Eng. Abstr.) **(Fre)**
[Diphosphonate for the prevention of an increased ossification process] Forth W. **Klin Wochenschr** 1986 Jun 16;64(12):575–8 **(Ger)**
[Congenital osteoma of the skin. Attempt at diphosphonate therapy] Worret WI. **Z Hautkr** 1986 Jul 1;61(13):947–50 (Eng. Abstr.) **(Ger)**
[Treatment of Paget's disease of bone] Mimura K. **Nippon Seikeigeka Gakkai Zasshi** 1985 Aug;59(8):751–61 (Eng. Abstr.) **(Jpn)**
[Effect of diphosphonates on bone tissue of the rat during hypokinesia] Shvets VN, et al. **Kosm Biol Aviakosm Med** 1986 Jan–Feb;20(1):45–9 (Eng. Abstr.) **(Rus)**
[Usefulness of ethane-hydroxy-diphosphonate in the treatment of Paget's disease] Morales Piga A, et al. **Rev Clin Esp** 1985 Oct;177(6):273–7 (Eng. Abstr.) **(Spa)**

TOXICITY

[Morphologic and metabolic studies on the effect of ethane-1-hydroxy-1, 1-diphosphonate (EHDP) on the epiphyseal plate and metaphysis of the rat] Katoh Y. **Nippon Seikeigeka Gakkai Zasshi** 1986 May;60(5):529–45 (Eng. Abstr.) **(Jpn)**

SODIUM FLUORIDE

ADMINISTRATION & DOSAGE

Time dependence of F uptake in demineralized enamel from 1,000-ppm fluoride NaF and Na2FPO3 solutions. A secondary ion mass spectrometric study (short communication). Arends J, et al. **Caries Res** 1985; 19(5):450–3

Initiation and progression of caries-like lesions of enamel: effect of periodic treatment with synthetic saliva and sodium fluoride. Hicks MJ, et al. **Caries Res** 1985; 19(6):481–9

Preeruptive effect of NaF tablets on caries in children from 12 to 17 years of age. Widenheim J, et al. **Community Dent Oral Epidemiol** 1986 Feb;14(1):1–4

Effects of a single intravenous dose of sodium fluoride on plasma electrolytes and metabolites in rats, rabbits, and cockerels. Monsour PA, et al. **J Dent Res** 1985 Nov; 64(11):1281–5

Distribution and retention of salivary fluoride from a sodium fluoride tablet following various intra-oral dissolution methods. Primosch RE, et al. **J Dent Res** 1986 Jul; 65(7):1001–5

[Effect of various levels of magnesium and fluorides on erythrocyte glycolysis in vitro] Gumińska M, et al. **Folia Med Cracov** 1985;26(1–2):35–41 (Eng. Abstr.) **(Pol)**

[Effect of various levels of sodium fluoride in drinking water on intestinal disaccharidase activity in mice] Poborska K, et al. **Rocz Panstw Zakl Hig** 1986;37(1):28–32 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Recovery of rat gastric mucosa following single fluoride dosing. Eastmann RP, et al. **J Oral Pathol** 1985 Nov; 14(10):779–92

Ultrastructure of altered rat enamel beneath fluoride-induced cysts. Simmelink JW, et al. **J Oral Pathol** 1986 Mar; 15(3):155–61

Lack of DNA-strand breaks in rat testicular cells after in vivo treatment with sodium fluoride. Skare JA, et al. **Mutat Res** 1986 Apr-May;170(1–2):85–92

An account of one consequence of a fluoride build-up in the bone structure of persons with weak kidneys. Yellowlees WW. **Nutr Health** 1985;3(4):259

Scanning electron microscopy of fluoride-induced disturbances on the enamel surface of rat molars. Nordlund AL, et al. **Scand J Dent Res** 1986 Jun;94(3):185–92

[Experimental study of fluorosis in lambs] Milhaud G, et al. **Ann Rech Vet** 1985;16(4):369–77 (Eng. Abstr.) **(Fre)**

[Osteomalacia caused by sodium fluoride] Helmreich-Becker I. **Dtsch Med Wochenschr** 1986 Jan 10;111(2):78–9 **(Ger)**

[Fluorosis following the long-term treatment of osteoporosis with sodium fluoride] Meseg S, et al. **Z Gesamte Inn Med** 1986 Jan 1;41(1):22–4 (Eng. Abstr.) **(Ger)**

ANALOGS & DERIVATIVES

Distribution of APF gel on tooth surfaces. McCall DR, et al. **Br Dent J** 1985 Aug 10;159(3):82–4

Comparison of dental prophylaxis and toothbrushing prior to topical APF applications. Bijella MF, et al. **Community Dent Oral Epidemiol** 1985 Aug;13(4):208–11

Enamel fluoride retention after DCPD and APF application and prolonged exposure to fluoride in vitro. Crall JJ, et al. **J Dent Res** 1986 Mar;65(3):387–9

ANALYSIS

[Problem of determining fluorides in the air] Iskimova VP, et al. **Gig Tr Prof Zabol** 1986 Jan;(1):42–4 **(Rus)**

METABOLISM

[Kinetics of inorganic fluoride metabolism in the rabbit] Zhong LF. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1985 Nov;19(6):335–7 (Eng. Abstr.) **(Chi)**

PHARMACODYNAMICS

Differential effects of cytosolic modulators of fluoride-stimulated adenylate cyclase activity in striatum and cerebral cortex. Rabin RA, et al. **Alcohol Drug Res** 1985–86;6(6):379–86

The effect of a fluoride dentifrice containing an anticalculus agent on dental caries in children. Lu KH, et al. **ASDC J Dent Child** 1985 Nov-Dec;52(6):449–51

Activation of protein kinase C inhibits sodium fluoride-induced elevation of human platelet cytosolic free calcium and thromboxane B2 generation. Poll C, et al. **Biochem Biophys Res Commun** 1986 Apr 14;136(1):381–9

The effects of sodium fluoride, calcium phosphate, and vitamin D2 for one to two years on calcium and phosphorus metabolism in postmenopausal women with spinal crush fracture osteoporosis. Charles P, et al. **Bone** 1985;6(4):201–6

Effect of sodium fluoride, calcium, phosphate, and vitamin D2 on trabecular bone balance and remodeling in osteoporotics. Eriksen EF, et al. **Bone** 1985;6(5):381–9

Action of fluoride on initiation of early enamel caries in vivo. A microradiographical investigation. Ogaard B, et al. **Caries Res** 1986;20(3):270–7

Influence of fluoridating varnishes on dentine in vitro (short communication). Scholtanus JD, et al. **Caries Res** 1986; 20(1):65–70

Activation of polyphosphoinositide phospholipase C by fluoride in WRK1 cell membranes. Guillon G, et al. **FEBS Lett** 1986 Aug 18;204(2):183–8

Aluminum ions are required for stabilization and inhibition of hepatic microsomal glucose-6-phosphatase by sodium fluoride. Lange AJ, et al. **J Biol Chem** 1986 Jan 5; 261(1):101–7

The effects of basic substances and acidic ionophores on the digestion of exogenous and endogenous proteins in mouse peritoneal macrophages. Ohkuma S, et al. **J Cell Biol** 1986 Mar;102(3):959–66

In vivo measurements of sulcal plaque pH in rats after topical applications of xylitol, sorbitol, glucose, sucrose, and sucrose plus 53 mM sodium fluoride. Firestone AR, et al. **J Dent Res** 1986 Jan;65(1):44–8

Dental caries and staining after twenty-eight months of rinsing with stannous fluoride or sodium fluoride. Leverett DH, et al. **J Dent Res** 1986 Mar;65(3):424–7

Effect of sodium fluoride on cholinesterase activity in postmortem blood. Baselt RC, et al. **J Forensic Sci** 1985 Oct;30(4):1206–9

Forskolin potentiates the stimulation of rat striatal adenylate cyclase mediated by D-1 dopamine receptors, guanine nucleotides, and sodium fluoride. Battaglia G, et al. **J Neurochem** 1986 Apr;46(4):1180–5

Fluoride-induced cystic changes in the enamel organ of the rat molar. Nordlund AL, et al. **J Oral Pathol** 1986 Feb; 15(2):87–92

The effect of fluoride on chromosome aberration and sister-chromatid exchange frequencies in cultured human lymphocytes. Thomson EJ, et al. **Mutat Res** 1985 Oct; 144(2):89–92

Inhibition of enamel dissolution rates by sodium fluoride and amine fluorides in presence or absence of strontium ions. Friedman M, et al. **Pharm Acta Helv** 1986;61(1):30–2

[Effect of sodium fluoride on magnesium-activated ATPase from human erythrocyte membranes] Grabowska M, et al. **Folia Med Cracov** 1985;26(1–2):29–33 (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

Sodium fluoride: effectiveness of treatment for cochlear otosclerosis. Forquer BD, et al. **Am J Otol** 1986 Mar; 7(2):121–5

Sodium fluoride in the treatment of osteoporosis. Power GR, et al. **Clin Invest Med** 1986;9(1):41–3

Caries prevalence of preschool children in Baja, Hungary, in 1975 and 1982: effect of a supervised monthly NaF mouthrinsing program. Hanzély B, et al. **Community Dent Oral Epidemiol** 1985 Aug;13(4):238–40

The effectiveness of iontophoresis in reducing dentin hypersensitivity. Brough KM, et al. **J Am Dent Assoc** 1985 Nov;111(5):761–5

Results of a 32-month fluoride varnish study in Sherbrooke and Lac-Megantic, Canada. Clark DC, et al. **J Am Dent Assoc** 1985 Dec;111(6):949–53

The results after 20 months of a study testing the efficacy of a weekly fluoride mouthrinsing program. Clark DC, et al. **J Public Health Dent** 1985 Fall;45(4):252–6

Osteoporosis: radiographic detection of fluoride-induced extra-axial bone formation. Schulz EE, et al. **Radiology** 1986 May;159(2):457–62

[Results of using Vitafluor for dental caries prevention in 1st graders in Brest] Petrushko OE, et al. **Stomatologiia (Mosk)** 1985 May-Jun;64(3):84–5 **(Rus)**

[Status of hearing in patients with otosclerosis shortly after conservative therapy with sodium fluoride] Galochkin VI. **Vestn Otorinolaringol** 1986 Jul-Aug;(4):34–8 (Eng. Abstr.) **(Rus)**

TOXICITY

Fluoride and lipid peroxidation: a comparative study in different rat tissues. Shayiq RM, et al. **Bull Environ Contam Toxicol** 1986 Jul;37(1):70–6

Experimental acute sodium fluoride poisoning in sheep: renal, hepatic, and metabolic effects. Kessabi M, et al. **Fundam Appl Toxicol** 1985 Dec;5(6 Pt 1):1025–33

Fluorine toxicity and laying hen performance. Guenter W, et al. **Poult Sci** 1986 Apr;65(4):769–78

Response of the renal supporting tissues to chronic fluoride exposure as revealed by a special technique. Greenberg SR. **Urol Int** 1986;41(2):91–4

[Changes in the mechanical properties and chemical composition of the osseous tissue of the white rat during excessive entrance of fluorine into the body] Grigorenko VK, et al. **Fiziol Zh** 1986 May-Jun;32(3):340–4 (Eng. Abstr.) **(Rus)**

SODIUM-GLUCOSE TRANSPORT SYSTEM see **MONOSACCHARIDE TRANSPORT PROTEINS**

SODIUM GLUTAMATE see under **GLUTAMATES**

SODIUM GOLD THIOSULFATE see under **GOLD**

SODIUM HYDROXIDE

Nonsurgical management of lye-induced antral stricture with hydrostatic balloon dilation. Hogan RB, et al. **Gastrointest Endosc** 1986 Jun;32(3):228–30

ADVERSE EFFECTS

Oven-cleaner pads: new risk for corrosive injury. Vilogi J, et al. **Am J Emerg Med** 1985 Sep;3(5):412–4

[Maximal corrosive stenosis of the esophagus. Retrograde dilatation of the esophagus after alkaline corrosion followed by prolonged autodilatation] Hgier-Madsen K, et al. **Ugeskr Laeger** 1986 Mar 10;148(11):658–9 (Eng. Abstr.) **(Dan)**

PHARMACODYNAMICS

Use of sodium hydroxide treated selenium deficient barley to induce vitamin E and selenium deficiency in yearling cattle. Rice DA, et al. **Vet Rec** 1986 Feb 15;118(7):173–6

[Use of sugar cane harvest residues in cattle fattening in the Republic of Cuba. 1. The physical and chemical composition of the residues and the effect of NaOH treatment on their in vitro and in vivo digestibility] Hanke R, et al. **Arch Tierernahr** 1985 Dec;35(12):855–63 (Eng. Abstr.) **(Ger)**

[Studies on bactericidal effects of NaOH on mycobacteria. 2. Survival rates mycobacteria in sputum and in saline after pretreatment with NaOH solution] Marumo K, et al. **Kekkaku** 1986 Apr;61(4):265–71 (Eng. Abstr.) **(Jpn)**

SODIUM HYPOCHLORITE

[Destruction and cutaneous decontamination of diacetoxyscirpenol (mycotoxin from the trichothecene group) by sodium hypochlorite] Vidal D, et al. **C R Acad Sci [III]** 1985;301(5):183–6 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Toxic pneumonitis from mixing household cleaners. Reisz GR, et al. **Chest** 1986 Jan;89(1):49–52

PHARMACODYNAMICS

Sodium hypochlorite as a tissue solubilizing agent compatible with liquid scintillation counting. Puchalski RF, et al. **Int J Appl Radiat Isot** 1985 Jul;36(7):543–6

The mycoplasmacidal properties of sodium hypochlorite. Lee DH, et al. **J Hyg (Lond)** 1985 Oct;95(2):243–53

THERAPEUTIC USE

Comparative study of the configuration and the cleanliness level of root canals prepared with the aid of sodium hypochlorite and bis-dequalinium-acetate solutions. Kaufman AY, et al. **Oral Surg Oral Med Oral Pathol** 1986 Aug;62(2):191–7

SODIUM IODIDE see under **IODIDES**

SODIUM IODOHIPPURATE see **IODOHIPPURIC ACID**

SODIUM LAURYL SULFATE see **SODIUM DODECYL SULFATE**

SODIUM MORRHUATE see under **FATTY ACIDS**

SODIUM NAFCILLIN see **NAFCILLIN**

SODIUM NITRITE see under **NITRITES**

SODIUM OXACILLIN see **OXACILLIN**

SODIUM OXYBATE see under **HYDROXYBUTYRATES**

SODIUM PERTECHNETATE TC 99M see **TECHNETIUM TC 99M PERTECHNETATE**

SODIUM, POTASSIUM ATPASE see **ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM**

SODIUM SALICYLATE

ADMINISTRATION & DOSAGE

The plasto-elasticity and compressibility of coated powders and the tensile strengths of their tablets. Ejiofor O, et al. **J Pharm Pharmacol** 1986 Jan;38(1):1–7

[Effect of sodium salicylate on insulin secretion and blood glucose behavior in metabolically healthy and type II diabetic patients] Wünsch C, et al. **Dtsch Z Verdau Stoffwechselkr** 1985;45(6):317–24 (Eng. Abstr.) **(Ger)**

[Effect of a course of dosages of acetylsalicylic acid and sodium salicylate on the indices of the tonus of vessels of differing functional importance in cats] Riabkov AN, et al. **Farmakol Toksikol** 1986 May-Jun;49(3):50–2 (Eng. Abstr.) **(Rus)**

ANALYSIS

Prevention of molecular self-association by sodium salicylate: effect on methylene blue. Touitou E, et al.

J Pharm Sci 1986 Apr;75(4):384–6

BLOOD

[Transplacental passage of sodium salicylate and analgin in the last trimester of pregnancy and labor] Todorov S, et al. **Akush Ginekol (Sofiia)** 1985;24(4):30–4 (Eng. Abstr.) **(Bul)**

METABOLISM

Influence of intravenous acetylsalicylic acid and sodium salicylate on human renal function and lithium clearance. Reimann IW, et al. **Eur J Clin Pharmacol** 1985;29(4):435–41

The effect of iontophoresis on the percutaneous absorption of sodium salicylate. Arancibia A, et al. **Farmaco [Prat]** 1985 Nov;40(11):388–95

PHARMACODYNAMICS

Effects of salicylate and steroid on neutrophil migration and corneal blood vessel growth. Hoban BP, et al. **Am J Optom Physiol Opt** 1986 Apr;63(4):271–6

An experimental study using sodium salicylate to reduce cochlear changes induced by furosemide. Rybak LP, et al. **Arch Otorhinolaryngol** 1986;243(3):180–2

Enhancement by sodium salicylate of the blood glucose lowering effect of chlorpropamide–drug interaction or summation of similar effects? Richardson T, et al. **Br J Clin Pharmacol** 1986 Jul;22(1):43–8

Effects of endotoxin and sodium salicylate on the preoptic thermosensitive neurons in tissue slices. Nakashima T, et al. **Brain Res Bull** 1985 Nov;15(5):459–63

Effect of simulated systemic administration of aspirin, salicylate, and indomethacin on amphibian gastric mucosa. Rowe PH, et al. **Gastroenterology** 1986 Mar;90(3):559–69

The acid–base balance during the time course of endotoxin fever and sodium salicylate antipyresis in the rabbit. Gagalo IT, et al. **Pharmacol Res Commun** 1986 Jan;18(1):17–30

Hyperthermia induced by open–field stress is blocked by salicylate. Singer R, et al. **Physiol Behav** 1986;36(6):1179–82

Effects of salicylate and indomethacin in nonfebrile rats at different ambient temperatures. Solomonovich A, et al. **Prostaglandins Leukotrienes Med** 1985 Aug;19(2):161–5

Inhibitory effect of sodium salicylate on ADP–induced platelet aggregation and on 45Ca2+ uptake into platelets. Irino O, et al. **Thromb Res** 1985 Aug 1;39(3):369–77

[Influence of salicylaldehyde and its analogs on the antispermatogenic effect of gossypol] Wang WH, et al. **Yao Hsueh Hsueh Pao** 1985 May;20(5):392–4 (Eng. Abstr.) **(Chi)**

TOXICITY

Constant rate of infusion—improvement of tests for teratogenicity and embryotoxicity. Gabrielsson J, et al. **Life Sci** 1985 Dec 16;37(24):2275–82

The effect of age on salicylate–induced nephrotoxicity in male rats. Kyle ME, et al. **Toxicol Appl Pharmacol** 1985 Nov;81(2):337–47

SODIUM TETRADECYL SULFATE see under **FATTY ALCOHOLS**

SODIUM VALPROATE see **VALPROATE**

SOFT CONTACT LENSES see **CONTACT LENSES, HYDROPHILIC**

SOFT TISSUE NEOPLASMS

Alveolar rhabdomyosarcoma in a young female patient metastasizing to the brain. Kleinert R, et al. **Acta Neuropathol (Berl)** 1985;67(3–4):341–4

Mesenchymal chondrosarcoma of bone and soft tissue. A review of 111 cases. Nakashima Y, et al. **Cancer** 1986 Jun 15;57(12):2444–53

Cavernous hemangioma. A literature review and case report. Rose JL, et al. **J Am Podiatr Med Assoc** 1985 Oct; 75(10):530–4

Selected soft tissue malignancies of the foot: an in–depth study with case reports. Fuselier CO, et al. **J Foot Surg** 1985 May–Jun;24(3):162–204 (262 ref.)

Endobronchial metastases from soft tissue sarcoma. Udelsman R, et al. **J Surg Oncol** 1986 Jul;32(3):145–9

[Gastric metastases of soft tissue leiomyosarcoma. Endoscopic diagnosis (letter)] Seitz JF, et al. **Gastroenterol Clin Biol** 1985 Nov;9(11):845–6 **(Fre)**

[Repeated resection of pulmonary metastasis of malignant neuroma originating in the lower limb] Mierzecki AM, et al. **Pneumonol Pol** 1985 Apr;53(4):209–12 (Eng. Abstr.) **(Pol)**

ANALYSIS

Extraskeletal myxoid chondrosarcoma: a histochemical and immunohistochemical study. Fletcher CD, et al. **Histopathology** 1986 May;10(5):489–99

[Steroid hormone receptors in soft–tissue sarcomas (letter)] Feuilhade F, et al. **Bull Cancer (Paris)** 1985;72(3):234–5 **(Fre)**

BLOOD

[Behavior of serum sialic acid levels at various stages of neoplastic disease] Adamo V, et al. **Minerva Med** 1985 Nov 10;76(43):2067–70 (Eng. Abstr.) **(Ita)**

CHEMICALLY INDUCED

Herbicide exposure and cancer [editorial] Colton T. **JAMA** 1986 Sep 5;256(9):1176–8

Agricultural herbicide use and risk of lymphoma and soft–tissue sarcoma. Hoar SK, et al. **JAMA** 1986 Sep 5; 256(9):1141–7

COMPLICATIONS

Multiple myxomata of soft tissue associated with polyostotic fibrous dysplasia. A case report. Blasier RD, et al. **Clin Orthop** 1986 May;(206):211–4

Osteogenic sarcoma and soft tissue myxoma in a patient with fibrous dysplasia and hemoglobins JBaltimore and S. Witkin GB, et al. **Clin Orthop** 1986 Mar;(204):245–52

Hypophosphatemic osteomalacia secondary to neoplasia. Cotton GE, et al. **J Bone Joint Surg [Am]** 1986 Jan; 68(1):129–33

Adult–onset hypophosphatemic osteomalacia secondary to neoplasm. A case report and review of the pathophysiology. Gitelis S, et al. **J Bone Joint Surg [Am]** 1986 Jan;68(1):134–8

Association of inflammatory bowel disease (IBD) with indolent soft–tissue sarcomas: report of two cases and review of literature. Israel KJ, et al. **J Surg Oncol** 1986 Jun;32(2):125–30

[The pectoralis minor muscle and the compression phenomenon] Van Cakenbergh J. **Acta Belg Med Phys** 1986 Jan–Mar;9(1):85–7 **(Dut)**

[A rare cause of soft tissue ossification: extraosseous osteosarcoma. Presentation of a case] Gattoni F, et al. **Radiol Med (Torino)** 1984 Dec;70(12):993–4 **(Ita)**

[A case of cholangiocarcinoma and dysgerminoma associated with Turner's syndrome] Ishiyama S, et al. **Gan No Rinsho** 1986 Apr;32(4):433–9 (Eng. Abstr.) **(Jpn)**

[Hypertrophic osteoarthropathy and hypophosphatemic osteomalacia associated with tumor] Furuya K, et al. **Gan To Kagaku Ryoho** 1986 Jun;13(6):2056–64 (Eng. Abstr.) **(Jpn)**

[Chronic monoarthritis induced by a synovial sarcoma] Pavlov VP, et al. **Revmatologiia (Moskva)** 1985 Jul–Sep; (3):70–2 **(Rus)**

[Endometriosis as the cause of non–healing wounds] Izmailov GA, et al. **Vestn Khir** 1985 Nov;135(11):137–8 **(Rus)**

CONGENITAL

Congenital fibrosarcoma. Preoperative chemotherapy and conservative surgery. Ninane J, et al. **Cancer** 1986 Oct 1; 58(7):1400–6

Congenital hemangiopericytoma. Chen KT, et al. **J Surg Oncol** 1986 Feb;31(2):127–9

[Aggressive fibromatoses and infantile fibromas] Pendorf B. **Padiatr Grenzgeb** 1985;24(6):457–9 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Aspiration cytology of soft–tissue tumors. The 10–year experience at an orthopedic oncology center. Akerman M, et al. **Acta Orthop Scand** 1985 Oct;56(5):407–12

Soft–tissue masses of the locomotor system. A guide to the clinical diagnosis of malignancy. Persson BM, et al. **Acta Orthop Scand** 1986 Jun;57(3):216–9

Neuron–specific enolase and Leu–7 immunoreactive small round–cell neoplasm. The relationship to Ewing's sarcoma in bone and soft tissue. Kawaguchi K, et al. **Am J Clin Pathol** 1986 Jul;86(1):79–83

Massive soft–tissue chondroma of the hand. Peters WJ, et al. **Ann Plast Surg** 1985 Jun;14(6):545–7

Fine–needle aspiration of primary soft–tissue lesions. Layfield LJ, et al. **Arch Pathol Lab Med** 1986 May;110(5):420–4

Magnetic resonance imaging of the extremities. Rosenthal DI, et al. **Cardiovasc Intervent Radiol** 1986;8(5–6):377–81

Magnetic resonance imaging of extremity masses. Cory DA, et al. **Comput Radiol** 1986 Mar–Jun;10(2–3):99–106

Multiple systemic lipomatosis. Johnson RJ, et al. **Conn Med** 1986 Jan;50(1):1–3

Application of markers in the diagnosis of soft tissue tumours. Roholl PJ, et al. **Histopathology** 1985 Oct;9(10):1019–35

Ultrasonography in the diagnosis of soft tissue tumours. Ulivi M, et al. **Ital J Orthop Traumatol** 1986 Mar;12(1):109–15

Localization of a small tumor in the leg by magnetic resonance imaging. Case report. Reis ND, et al. **J Bone Joint Surg [Am]** 1986 Jul;68(6):929–31

MR imaging of blue rubber bleb nevus syndrome. Jorizzo JR, et al. **J Comput Assist Tomogr** 1986 Jul–Aug; 10(4):686–8

A tendon tumour presenting as a trigger finger. Laing PW. **J Hand Surg [Br]** 1986 Jun;11(2):275

Dermoid cyst of the inguinal canal. Ashraf SM, et al. **J Indian Med Assoc** 1985 Apr;83(4):125–6

Neurofibromatosis. A review of its musculoskeletal manifestations. Meehan PL. **J Med Assoc Ga** 1986 Jan; 75(1):30–3

Immunohistochemistry and histogenesis of extraskeletal myxoid chondrosarcoma [letter] Fletcher CD, et al. **J Pathol** 1985 Sep;147(1):67–8

Distinguishing chordoma from chondrosarcoma by immunohistochemical techniques [letter] Salisbury JR, et al. **J Pathol** 1986 Mar;148(3):251–2

Tumefactive fibroinflammatory lesions of the head and neck. Olsen KD, et al. **Laryngoscope** 1986 Sep;96(9 Pt 1):940–4

Magnetic resonance imaging of soft–tissue tumors: comparison with computed tomography. Weekes RG, et al. **Magn Reson Imaging** 1985;3(4):345–52

In vivo measurements of NMR relaxation times. Kroeker RM, et al. **Magn Reson Med** 1985 Feb;2(1):1–13

Soft tissue sarcomas: etiology and diagnosis. Elias EG. **Md Med J** 1986 Mar;35(3):181

Magnetic resonance imaging in a patient with soft tissue sarcoma of the leg. Gebhardt MC, et al. **Orthopedics** 1985 Mar;8(3):369–72

Glomus tumour of the hallux: diagnosis by Doppler–shift ultrasound and digital subtraction angiography. Kreel L, et al. **Postgrad Med J** 1986 Jul;62(729):647–51

Lipomatous tumors and tumors with fatty component: MR imaging potential and comparison of MR and CT results. Dooms GC, et al. **Radiology** 1985 Nov;157(2):479–83

Soft–tissue masses of the locomotor system: comparison of MR imaging with CT. Petasnick JP, et al. **Radiology** 1986 Jul;160(1):125–33

Soft–tissue tumors: MR imaging. Totty WG, et al. **Radiology** 1986 Jul;160(1):135–41

[Teratoma strictly of the buttocks in a 13–year–old girl] Gross P, et al. **Chir Pediatr** 1985;26(6):369–70 (Eng. Abstr.) **(Fre)**

[Muscular angioma] Laburthe–Tolra Y, et al. **Chirurgie** 1985; 111(3):279–86 (Eng. Abstr.) **(Fre)**

[Contribution of echography to the diagnosis of cystic lymphangiomas in children] Cornil AM, et al. **J Belge Radiol** 1985;68(2):119–24 (Eng. Abstr.) **(Fre)**

[Leiomyosarcoma of the inferior vena cava] Puglionisi A, et al. **J Chir (Paris)** 1985 Dec;122(12):693–700 (Eng. Abstr.) **(Fre)**

[Diagnosis and classification of soft–tissue sarcomas] Fuchs R, et al. **Dtsch Med Wochenschr** 1986 May 2;111(18):707–9 **(Ger)**

[Tumors of the child's foot] Ochsner PE. **Orthopade** 1986 Jun;15(3):227–32 (Eng. Abstr.) **(Ger)**

[Diagnosis and course of synovial sarcoma. Comparison of x–ray diagnosis and bone scintigraphy] Schaub T, et al. **ROFO** 1986 Apr;144(4):453–9 (Eng. Abstr.) **(Ger)**

[Diagnosis and therapy of malignant soft tissue tumors] Bruch HP, et al. **Unfallchirurg** 1986 Feb;89(2):79–99 (Eng. Abstr.) **(Ger)**

[Possibilities of echography in the study of tumefactions of superficial soft tissues] Balconi G, et al. **Radiol Med (Torino)** 1984 Nov;70(11):878–80 **(Ita)**

[Role of thermography in tumors of soft tissues] Gardani G, et al. **Radiol Med (Torino)** 1984 Nov;70(11):876–8 **(Ita)**

[Soft tissue neoplasms. Clinical aspects] Gennari L. **Radiol Med (Torino)** 1984 Nov;70(11):872–3 **(Ita)**

[A case of infiltrating angiolipoma] Ohhigashi N, et al. **Rinsho Houkasen** 1986 Jan;31(1):139–42 (Eng. Abstr.) **(Jpn)**

[Chondromatosis of the tarsal joint in a 5–year–old boy] Leydo R. **Chir Narzadow Ruchu Ortop Pol** 1985;50(3):255–7 (Eng. Abstr.) **(Pol)**

[Malignant mesenchymoma with predominant features of hemangioendotheliosarcoma] Obara A. **Wiad Lek** 1986 Jan 1;39(1):42–4 (Eng. Abstr.) **(Pol)**

[Angiogenic leiomyosarcoma—a rarely observed tumor of the thigh] Obara A. **Wiad Lek** 1986 Jan 15;39(2):115–6 (Eng. Abstr.) **(Pol)**

[Diagnosis of epithelioid sarcoma] Galil–Ogly GA, et al. **Arkh Patol** 1986;48(7):69–74 (Eng. Abstr.) **(Rus)**

[Malignant fibrous histiocytoma of soft tissues simulating hematoma] Chobanian NS. **Khirurgiia (Mosk)** 1986 Jan; (1):93–5 **(Rus)**

DRUG THERAPY

Intravascular catheter therapy—an efficient modality in complex oncological management of soft tissue malignancies in the extremities. Benda K, et al. **Acta Univ Palacki Olomuc Fac Med** 1986;113:217–37

Phase II trial of methylglyoxal–bis–guanylhydrazone (methyl–GAG) in patients with soft–tissue sarcomas. Sordillo PP, et al. **Am J Clin Oncol** 1985 Aug;8(4):316–8

Methotrexate as relapse therapy for rhabdomyosarcoma. Bode U. **Am J Pediatr Hematol Oncol** 1986 Spring; 8(1):70–2

Phase II trial of diaziquone in anthracycline–resistant adult soft tissue and bone sarcoma patients: a Southeastern Cancer Study Group Trial. Chan C, et al. **Cancer Treat Rep** 1986 Mar;70(3):427–8

Evaluation of bleomycin, chlorozotocin, MGBG, and bruceantin in patients with advanced soft tissue sarcoma, bone sarcoma, or mesothelioma. Amato DA, et al. **Invest New Drugs** 1985;3(4):397–401

Therapy for childhood soft–tissue sarcomas other than rhabdomyosarcoma: a review of 62 cases treated at a single institution. Horowitz ME, et al. **J Clin Oncol** 1986 Apr; 4(4):559–64

Alternatives to CYVADIC–combination therapy of soft tissue sarcomas. Hartlapp JH, et al. **Klin Wochenschr** 1985 Nov 15;63(22):1160–2

"Two–route chemotherapy" using high–dose intra–arterial cis–diamminedichloroplatinum (II) and systemic sodium thiosulfate, its antidote, for rat limb tumor. Iwamoto Y. **Nippon Seikeigeka Gakkai Zasshi** 1985 Aug;59(8):865–71

The treatment of soft tissue sarcomas with focus on

chemotherapy: a review. Pinedo HM, et al. **Radiother Oncol** 1986 Mar;5(3):193–205 (96 ref.)

Chemotherapy for soft tissue sarcoma. Greenall MJ, et al. **Surg Gynecol Obstet** 1986 Feb;162(2):193–8 (47 ref.)

[Medical treatment of soft-tissue sarcomas in adults] Lucas P, et al. **Bull Cancer (Paris)** 1985;72(3):183–201 (133 ref.) (Eng. Abstr.) (Fre)

[Role of chemotherapy in the treatment of soft tissue sarcoma in adults] Bui NB, et al. **J Chir (Paris)** 1986 Jan;123(1):53–8 (34 ref.) (Eng. Abstr.) (Fre)

[Analysis of prognostic factors in rhabdomyosarcoma. Preliminary univariate and multivariate results of the Cooperative Soft Tissue Sarcoma Study (CWS–81)] Suder J, et al. **Klin Padiatr** 1986 May–Jun;198(3):218–23 (Eng. Abstr.) (Ger)

[Results of treatment of rhabdomyosarcomas (RMS) in children. A report of the Cooperative Soft Tissue Sarcoma Study (CWS–81) of the Society of Pediatric Oncology] Treuner J, et al. **Klin Padiatr** 1986 May–Jun;198(3):208–17 (Eng. Abstr.) (Ger)

[Polychemotherapy of advanced soft tissue sarcomas with 4'-epi-doxorubicin (4'-Epi-DX) and cisplatin (DDP)] Sauer H, et al. **Onkologie** 1986 Aug;9 Suppl 1:24–8 (Eng. Abstr.) (Ger)

[Mitomycin C in the treatment of sarcomas of the soft tissues in the adult in an advanced phase] Di Lauro L, et al. **Clin Ter** 1985 Oct 31;115(2):83–5 (Eng. Abstr.) (Ita)

[Results of chemotherapy of soft tissue sarcoma in adults] Santoro A, et al. **Radiol Med (Torino)** 1984 Nov; 70(11):893–5 (Ita)

[Combination chemotherapy with vincristin, actinomycin D, cyclophosphamide and adriamycin in soft-part sarcoma] Mori O, et al. **Gan No Rinsho** 1986 Aug;32(9):998–1004 (Eng. Abstr.) (Jpn)

[Toxic effects of cisplatin in the treatment of malignant bone and soft tissue tumors] Umeda T, et al. **Gan To Kagaku Ryoho** 1986 May;13(5):1857–61 (Eng. Abstr.) (Jpn)

[Development and regression of tumors induced by M-MSV virus in mice after administration of rutin and quercetin] Luczak M, et al. **Med Dosw Mikrobiol** 1985; 37(3–4):196–201 (Eng. Abstr.) (Pol)

[Combined chemotherapy of advanced soft tissue sarcomas using the platinum derivative cisplatin (platidiam)] Gorbunova VA, et al. **Vopr Onkol** 1985;31(11):13–8 (Eng. Abstr.) (Rus)

ETIOLOGY

Radiation-induced soft-tissue sarcoma. Davidson T, et al. **Br J Surg** 1986 Apr;73(4):308–9

Soft tissue sarcoma as second malignant lesion after therapy for Hodgkin's disease. Report of two cases and review of the literature. Griesser GH, et al. **J Cancer Res Clin Oncol** 1985;110(3):238–43

[Two cases of sarcoma arising from the chest wall in chronic pleuritis or pyothorax] Iuchi K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Apr;34(4):500–4 (Eng. Abstr.) (Jpn)

FAMILIAL & GENETIC

Ewing's tumor in brothers. An unusual observation. Zamora P, et al. **Am J Clin Oncol** 1986 Aug;9(4):358–60

Cytogenetic characterization of selected small round cell tumors of childhood. Whang-Peng J, et al. **Cancer Genet Cytogenet** 1986 Apr 1;21(3):185–208

Malignant bone and soft-tissue tumor and HLA. Wong AC. **Nippon Seikeigeka Gakkai Zasshi** 1985 Jul;59(7):719–33

HISTORY

Historical note on bone and soft tissue sarcoma. Peltier LF. **J Surg Oncol** 1985 Dec;30(4):201–5

IMMUNOLOGY

Malignant fibrous histiocytoma. Expression of monocyte/macrophage differentiation antigens detected with monoclonal antibodies. Strauchen JA, et al. **Am J Pathol** 1986 Aug;124(2):303–9

Localization of radiolabeled monoclonal antibody in a human soft tissue sarcoma xenograft. Brown JM, et al. **JNCI** 1985 Oct;75(4):637–44

METABOLISM

Distribution of collagen type IV in soft tissue tumors. An immunohistochemical study. Ogawa K, et al. **Cancer** 1986 Jul 15;58(2):269–77

Estrogen receptor protein in bone and soft tissue tumors. Weiss SW, et al. **Lab Invest** 1986 Jun;54(6):689–94

MORTALITY

Recurrence-free survival time for surgically treated soft tissue sarcoma patients. Multivariate analysis of five prognostic factors. Heise HW, et al. **Cancer** 1986 Jan 1; 57(1):172–7

Primary malignant tumors of the upper extremity: retrospective analysis of one hundred twenty-six cases. Creighton JJ Jr, et al. **J Hand Surg [Am]** 1985 Nov;10(6 Pt 1):805–14

OCCURRENCE

Incidence of soft-tissue cancers in blacks and whites in New York State. Polednak AP. **Int J Cancer** 1986 Jul 15; 38(1):21–6

Extraskeletal Ewing's sarcoma: first case report in Greece. Vartholomeos AA, et al. **J Surg Oncol** 1986 Jan;31(1):36–8

Soft tissue sarcomas in Seveso [letter] Puntoni R, et al. **Lancet** 1986 Aug 30;2(8505):525

PATHOLOGY

Epithelioid hemangioendothelioma of soft tissue. Fine needle aspiration cytology, histology, electron microscopy and immunohistochemistry of a case. Pettinato G, et al. **Acta Cytol (Baltimore)** 1986 Mar–Apr;30(2):194–200

Extraskeletal Ewing's sarcoma. A clinicopathologic and electron microscopic. Analysis of 8 cases. Hashimoto H, et al. **Acta Pathol Jpn** 1985 Sep;35(5):1087–98

Subcutaneous sacrococcygeal myxopapillary ependymoma. A case report and review of the literatures. Matsuo K, et al. **Acta Pathol Jpn** 1985 Jul;35(4):925–31

Characterization of tumor cells in malignant fibrous histiocytomas and other soft-tissue tumors, in comparison with malignant histiocytes. II. Immunoperoxidase study on cryostat sections. Roholl PJ, et al. **Am J Pathol** 1985 Nov; 121(2):269–74

Evidence for neural origin and PAS-positive variants of the malignant small cell tumor of thoracopulmonary region ("Askin tumor") Linnoila RI, et al. **Am J Surg Pathol** 1986 Feb;10(2):124–33

Spindle cell hemangioendothelioma. A low-grade angiosarcoma resembling a cavernous hemangioma and Kaposi's sarcoma. Weiss SW, et al. **Am J Surg Pathol** 1986 Aug;10(8):521–30

Oncocytic change in adult rhabdomyoma. Lee YS, et al. **Ann Acad Med Singapore** 1986 Jan;15(1):84–6

Skeletal muscle involvement by lymphoma [letter] Spector JI, et al. **Arch Intern Med** 1986 Jun;146(6):1232

Extraskeletal Ewing's sarcoma with fatal cardiac metastasis. Flinn RM, et al. **Can Med Assoc J** 1985 Nov 15; 133(10):1017–8

Reproducibility of a histopathologic grading system for adult soft tissue sarcoma. Coindre JM, et al. **Cancer** 1986 Jul 15;58(2):306–9

Leiomyosarcoma of the external soft tissues. A clinicopathologic, immunohistochemical, and electron microscopic study. Hashimoto H, et al. **Cancer** 1986 May 15;57(10):2077–88

Osteogenic sarcoma of bones and soft tissues in older persons. A clinicopathologic analysis of 117 patients older than 60 years. Huvos AG. **Cancer** 1986 Apr 1;57(7):1442–9

Malignant fibrous histiocytoma of soft tissue. Correlation between clinical variables and histologic malignancy grade. Rydholm A, et al. **Cancer** 1986 Jun 15;57(12):2323–4

Sarcomas—a clinicopathological guide with special reference to cutaneous manifestation. IV. Extraskeletal osteosarcoma, extraskeletal chondrosarcoma, alveolar soft part sarcoma, clear cell sarcoma and discussion. Fletcher CD, et al. **Clin Exp Dermatol** 1985 Nov;10(6):523–39 (75 ref.)

A system of staging musculoskeletal neoplasms. Enneking WF. **Clin Orthop** 1986 Mar;(204):9–24

Tumors of the nail. Salasche SJ, et al. **Dermatol Clin** 1985 Jul;3(3):501–19

Aspiration cytology of soft tissue and bone [editorial] Qizilbash AH. **Diagn Cytopathol** 1985 Apr–Jun;1(2):83–4

The use of immunohistochemistry in the diagnosis of soft tissue tumours [letter] Fletcher CD. **Histopathology** 1986 Jul;10(7):771–3

Soft tissue chondroma—a study of 15 tumours. Humphreys S, et al. **Histopathology** 1986 Feb;10(2):147–59

Malignant epithelioid schwannoma of superficial soft tissue? A case report with immunohistology and electron microscopy. Morgan KG, et al. **Histopathology** 1985 Jul; 9(7):765–75

Biological, functional and morphological characteristics of human bone and soft tissue tumors in nude mice. Sasaki T, et al. **Hokkaido Igaku Zasshi** 1986 Mar;61(2):257–70

Tumors of skeletal muscle. Agamanolis DP, et al. **Hum Pathol** 1986 Aug;17(8):778–95 (80 ref.)

Concerning collagen types in fibrosarcoma [letter] Brooks JJ. **Hum Pathol** 1985 Dec;16(12):1286

Transformation of lymphoma to amyloidoma following radiation therapy. Levitan N, et al. **Hum Pathol** 1985 Oct; 16(10):1072–4

Malignant soft tissue neoplasms with the histologic features of renal rhabdoid tumors: an ultrastructural and immunohistochemical study. Tsuneyoshi M, et al. **Hum Pathol** 1985 Dec;16(12):1235–42

Malignant fibrous histiocytoma. Moellgaard K, et al. **Int J Dermatol** 1986 Mar;25(2):119–21

A case of benign mesenchymoma containing cartilageous tissue components with enchondral ossification. Setoyama M, et al. **J Dermatol (Tokyo)** 1985 Dec;12(6):519–25

Juvenile aponeurotic fibroma of the hand. Eisenbaum SL, et al. **J Hand Surg [Am]** 1985 Sep;10(5):622–5

A giant cell tumor of the thumb: a case report. Olazabal A, et al. **J Hand Surg [Am]** 1986 Jan;11(1):56–8

Endometriosis in the thumb. Das Gupta S, et al. **J Indian Med Assoc** 1985 Apr;83(4):122–3

Pseudomalignant osseous tumor of the temporalis muscle. Wiesenfeld D, et al. **J Oral Maxillofac Surg** 1985 Oct; 43(10):786–9

Characterization of tumour cells in malignant fibrous histiocytomas and other soft tissue tumours in comparison with malignant histiocytes. I. Immunohistochemical study on paraffin sections. Roholl PJ, et al. **J Pathol** 1985 Oct; 147(2):87–95

Fibroma of tendon sheath. Sarma DP, et al. **J Surg Oncol** 1986 Aug;32(4):230–2

Surgical clinicopathologic study of malignant fibrous histiocytoma. Tsumori T, et al. **Jpn J Surg** 1986 May; 16(3):202–8

Fibrosarcoma following radiation therapy for breast carcinoma. Jain S, et al. **NY State J Med** 1986 Jun; 86(6):318–9

Epithelioid hemangioendothelioma of the head and neck: a clinicopathologic report of twelve cases. Ellis GL, et al. **Oral Surg Oral Med Oral Pathol** 1986 Jan;61(1):61–8

Embryonal rhabdomyosarcoma: immunohistochemical characterization. Geiger S, et al. **Oral Surg Oral Med Oral Pathol** 1985 Nov;60(5):517–23

Epithelioid sarcoma [clinical conference] Wilkins RM, et al. **Orthopedics** 1985 Mar;8(3):421–3

Epithelioid hemangioendothelioma of the wrist. McKenzie ML. **Plast Reconstr Surg** 1985 Nov;76(5):781–3

[Alveolar soft part sarcomas. Apropos of 6 cases and review of the literature] Ben Romdhane K, et al. **Ann Pathol** 1985; 5(3):159–66 (Eng. Abstr.) (Fre)

[Histological changes after chemotherapy of soft tissue sarcomas in the adult] Coindre JM, et al. **Ann Pathol** 1985; 5(2):95–9 (Eng. Abstr.) (Fre)

[Soft-tissue chondromas of the hand. Anatomo-radiological study] Lagier R. **J Belge Radiol** 1986;69(2):99–104 (Eng. Abstr.) (Fre)

[Biopsy in sarcoma of the limbs. 135 cases] Delepine G, et al. **Presse Med** 1986 Jun 14;15(24):1145–7 (Eng. Abstr.) (Fre)

[Juvenile aponeurotic fibroma (Keasbey's tumor) may have an unfavorable course (letter)] Marty-Double CH, et al. **Presse Med** 1985 Nov 9;14(38):1971 (Fre)

[Lipoma of brown adipose tissue] Schwesinger G, et al. **Dermatol Monatsschr** 1985;171(8):508–12 (Eng. Abstr.) (Ger)

[Malignant fibrous histiocytoma. Prognostic value of the histological findings] Donhuijsen K, et al. **Dtsch Med Wochenschr** 1986 Jan 10;111(2):46–51 (Eng. Abstr.) (Ger)

[Soft tissue sarcoma (letter)] Fuchs R. **Dtsch Med Wochenschr** 1986 Aug 29;111(35):1342 (Ger)

[Rhabdomyosarcoma: morphology and cellular differentiation] Schmidt D, et al. **Klin Padiatr** 1986 May–Jun;198(3):202–7 (Eng. Abstr.) (Ger)

[Benign supraclavicular lipoblastoma. Problems of differential preoperative diagnosis toward prognosis] Palma O, et al. **Acta Otorhinolaryngol Ital** 1986 Jan–Feb; 6(1):51–60 (Eng. Abstr.) (Ita)

[A case of vascular leiomyosarcoma of the superficial soft tissues] Parisi A, et al. **Chir Ital** 1985 Oct;37(5):509–16 (Eng. Abstr.) (Ita)

[Needle biopsy in soft tissue sarcoma] Azzarelli A, et al. **Radiol Med (Torino)** 1984 Nov;70(11):885–7 (Ita)

[An autopsy case of epithelioid sarcoma—a review of the cases reported in Japan] Hara F, et al. **Gan No Rinsho** 1986 Mar;32(3):321–7 (Eng. Abstr.) (Jpn)

[A case of malignant epithelioid schwannoma in the triceps muscle of the arm] Miura K, et al. **Gan No Rinsho** 1986 Apr;32(4):440–5 (Eng. Abstr.) (Jpn)

[A case of fibrous hamartoma of infancy and a review of the Japanese literature] Shimada K, et al. **Gan No Rinsho** 1986 Mar;32(3):293–8 (Eng. Abstr.) (Jpn)

[The clinical correlation of human tumor clonogenic assay for malignant bone and soft tissue sarcoma of the extremities] Tomita K, et al. **Gan To Kagaku Ryoho** 1986 Apr;13(4 Pt 2):1214–20 (Eng. Abstr.) (Jpn)

[A case of alveolar type adult rhabdomyosarcoma associated with acute leukemia-like clinical manifestation and metastasis of mamma, bone marrow, inguinal lymph node, and perianal and intrapelvic regions] Murakami T, et al. **Nippon Naika Gakkai Zasshi** 1986 Mar;75(3):437–43 (Jpn)

[Evaluation of the clinical progression of soft tissue sarcomas] Ruka W. **Nowotwory** 1985 Oct–Dec;35(4):316–25 (Eng. Abstr.) (Pol)

[Pleomorphic lipoma] Hański W. **Patol Pol** 1985 Oct–Dec; 36(4):387–9 (Eng. Abstr.) (Pol)

[Malignant fibrous histiocytoma of the soft tissues] Fedenko AN, et al. **Arkh Patol** 1985;47(9):20–8 (Eng. Abstr.) (Rus)

[Cytological characteristics of malignant soft-tissue histiocytoma] Tikhomirova EE, et al. **Lab Delo** 1986; (4):246–7 (Rus)

[Epithelioid sarcoma (clinico-morphological characteristics)] Blinov VM, et al. **Vopr Onkol** 1986;32(4):30–6 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

[Analysis of the growth kinetics of autochthonous DMBA-induced tumors in mice of various ages and sex] Vrignaud P, et al. **Bull Cancer (Paris)** 1985;72(3):227–32 (Eng. Abstr.) (Fre)

RADIOGRAPHY

Computed tomography of lipomatous and myxoid tumors. Lindahl S, et al. **Acta Radiol [Diagn] (Stockh)** 1985 Nov–Dec;26(6):709–13

MRI and CT evaluation of primary bone and soft-tissue tumors. Aisen AM, et al. **AJR** 1986 Apr;146(4):749–56

Computed tomography of extraosseous ganglia. Present DA, et al. **Clin Orthop** 1986 Jan;(202):249–53

Computertomographic diagnosis and follow-up studies of bone and soft tissue tumours of the thoracic wall. Crone-Münzebrock W, et al. **Eur J Radiol** 1985 Nov; 5(4):247–51

CT of fat masses in multiple asymmetrical lipomatosis. Fiore D, et al. **J Belge Radiol** 1986;69(2):105–7

Extraforaminal disc herniation simulating a retroperitoneal neoplasm. Case report. Eckardt JJ, et al. **J Bone Joint Surg [Am]** 1985 Oct;67(8):1275–7

CT appearance of cervical lipoblastoma. Black WC, et al. **J Comput Assist Tomogr** 1986 Jul–Aug;10(4):696–8

Computed tomography of osteogenic sarcoma of nasal cavity and paranasal sinuses. Oot RF, et al. **J Comput Assist Tomogr** 1986 May–Jun;10(3):409–14

Presacral myelolipoma: CT findings. Sutker B, et al. **J Comput Assist Tomogr** 1985 Nov–Dec;9(6):1128–30

CT findings in paravertebral synovial sarcoma. Treu EB, et al. **J Comput Assist Tomogr** 1986 May–Jun;10(3):460–2

Correlation of angiographic symptoms and clinical–biological character in soft tissue tumors of the extremities. Arany L, et al. **Radiol Diagn (Berl)** 1985;26(5):661–70

Case report 354: Chondroma of soft tissues with dystrophic calcification. Lagier R. **Skeletal Radiol** 1986;15(2):179–83

[Primary benign chondroid tumor of soft tissue with review of the literature and report of two cases] Yin QS. **Chung Hua Fang She Hsueh Tsa Chih** 1984 Nov;18(4):287–9 (Eng. Abstr.) (Chi)

[Tumor of the soft tissue of the neck? Lipoma beneath the right trapezius muscle] Wimmer B. **Radiologe** 1985 Nov; 25(11):547–8 (Ger)

[Computed tomography of soft tissue tumors of the extremities] Crone-Münzebrock W, et al. **ROFO** 1986 Jan; 144(1):83–8 (Eng. Abstr.) (Ger)

[Role of traditional radiography and xeroradiography in the study of tumefactions of soft tissues] Carrata A, et al. **Radiol Med (Torino)** 1984 Nov;70(11):873–6 (Ita)

[Angiography of soft tissues] Cornalba GP, et al. **Radiol Med (Torino)** 1984 Nov;70(11):881–2 (Ita)

[Computerized tomography in the study of tumors of soft tissues] Garbagna P, et al. **Radiol Med (Torino)** 1984 Nov; 70(11):883–5 (Ita)

[Computerized tomography in the assessment of soft-tissue neoplasms. Observations in 124 cases] Torricelli P, et al. **Radiol Med (Torino)** 1986 Jun;72(6):472–9 (Eng. Abstr.) (Ita)

[Role of computerized tomography in the diagnosis of adipose neoformations of the chest and abdomen] Vignali C, et al. **Radiol Med (Torino)** 1986 Jul–Aug;72(7–8):515–20 (Eng. Abstr.) (Ita)

[Rhabdomyosarcoma of soft tissues in children: personal observations] Florczak-Mikicińska E. **Pol Przegl Radiol (Warszawa)** 1985 Jul–Aug;49(4):228–31 (Eng. Abstr.) (Pol)

[Clinico-roentgenologic diagnosis of tumors of the pararectal region] Arablinskiĭ VM, et al. **Vestn Rentgenol Radiol** 1986 Mar–Apr;(2):45–50 (Eng. Abstr.) (Rus)

[Bone changes in primary myogenic sarcomas of the extremities] Khmelev ON, et al. **Vestn Rentgenol Radiol** 1986 May–Jun;(3):24–7 (Eng. Abstr.) (Rus)

[Differential-diagnostic signs of neoplastic and inflammatory diseases of the musculoskeletal system] Vintergal'ter SF. **Vestn Rentgenol Radiol** 1985 Nov–Dec;(6):28–33 (Eng. Abstr.) (Rus)

RADIONUCLIDE IMAGING

Accumulation of technetium-99m MDP in an intramuscular hemangioma. Mandell GA, et al. **Clin Nucl Med** 1986 Jul; 11(7):487–90

Lymphoscintigraphy. Lower extremity lymphangioma. Wells RG, et al. **Clin Nucl Med** 1986 Jul;11(7):523

Observations on para-articular uptake of radiophosphate after hip replacement. Rosenthall L, et al. **Eur J Nucl Med** 1986;11(11):417–20

Localization of technetium-99m DTPA in neurofibroma [letter] Siddiqui AR. **J Nucl Med** 1986 Jan;27(1):143–4

Demonstration of a malignant soft-tissue lymphoma during triple-phase skeletal scintigraphy. Wallner RJ, et al. **J Nucl Med** 1985 Nov;26(11):1275–7

RADIOTHERAPY

A retrospective study of the role of radiotherapy in the treatment of soft-tissue sarcoma. Dewar JA, et al. **Clin Radiol** 1985 Nov;36(6):629–32

The Edinburgh experience of treating sarcomas of soft tissues and bone with neutron irradiation. Duncan W, et al. **Clin Radiol** 1986 Jul;37(4):317–20

Clinical results with fast neutrons (DT, 14 MeV). Franke HD, et al. **Radiat Med** 1985 Jul–Sep;3(3):151–60

Results of neutron therapy of soft-tissue sarcomas. Eichhorn HJ, et al. **Strahlentherapie** 1985 Dec;161(12):801–3

Results of neutron therapy of locally advanced soft tissue sarcomas at Louvain-la-Neuve. Richard F, et al. **Strahlentherapie** 1985 Dec;161(12):794–6

Neutron and neutron boost irradiation of soft tissue sarcomas. Schmitt G, et al. **Strahlentherapie** 1985 Dec;161(12):784–6

[Possibilities of radiotherapy in the treatment of desmoid tumors] Keus RB, et al. **Ned Tijdschr Geneeskd** 1985 Aug 17;129(33):1585–8 (Eng. Abstr.) (Dut)

[Massive increase in calcification in mesenchymal chondrosarcoma as an effect of therapy following irradiation] von Rottkay P. **ROFO** 1985 Nov;143(5):606–7 (Ger)

[Radiotherapy of soft tissue tumors] Felci U, et al. **Radiol Med (Torino)** 1984 Nov;70(11):891–3 (Ita)

SECONDARY

"Photopenic" bone lesion secondary to erector spinae muscle infiltration by breast carcinoma. Eiber AM, et al. **Clin Nucl Med** 1986 Mar;11(3):194–5

Extraosseous uptake of technetium-99m MDP in secondary deposits of neuroblastoma. Mandell GA, et al. **Clin Nucl Med** 1986 May;11(5):337–40

Long-term survival in bronchogenic carcinoma with a solitary metastasis. Shachor J, et al. **Eur J Surg Oncol** 1986 Mar;12(1):77–80

Surgical approach to diaphragmatic metastases from ovarian cancer. Deppe G, et al. **Gynecol Oncol** 1986 Jun; 24(2):258–60

Unusual presentation of metastatic carcinoma of prostate. Chiu KW, et al. **Urol Int** 1986;41(3):228–31

["Metastatic" solitary fibrous mesotheliomas. Apropos of 2 cases] Sulzer J, et al. **Ann Chir** 1986 Mar;40(2):107–10 (Eng. Abstr.) (Fre)

[Muscular metastases. Uncommon manifestation of cystadenocarcinoma of the pancreas] Belloir A, et al. **J Radiol** 1986 Mar;67(3):209–11 (Eng. Abstr.) (Fre)

SURGERY

Femoral artery based myocutaneous flap for hemipelvectomy closure: amputation after failed limb-sparing surgery and radiotherapy. Lotze MT, et al. **Am J Surg** 1985 Nov; 150(5):625–30

Lymph cysts or lymphocoele: a case report. Fisher MM, et al. **Angiology** 1985 Nov;36(11):832–8

Re: Apfelberg et al: Efficacy of the carbon dioxide laser in hand surgery [letter] Field LM. **Ann Plast Surg** 1985 Jun; 14(6):557–8

Comparison of computed tomography and digital subtraction angiography of preoperative evaluation of soft-tissue tumors of the limbs. Crone-Münzebrock W, et al. **Arch Orthop Trauma Surg** 1985;104(5):319–24

Excision of abdominal wall tumours and reconstruction with Marlex mesh. Down NK, et al. **Can J Surg** 1986 May; 29(3):191–3

Feasibility of limb salvage and survival in soft tissue sarcomas. Karakousis CP, et al. **Cancer** 1986 Feb 1; 57(3):484–91

Dorsal paravertebral soft tissue sarcoma: considerations on the technique of surgical treatment. Zoetmulder FA, et al. **Eur J Surg Oncol** 1986 Jun;12(2):159–63

Management of recurrent soft tissue sarcomas by conservative surgery and adjuvant intraoperative interstitial brachytherapy. Badhwar R, et al. **Indian J Cancer** 1985 Mar;22(1):38–45

Principles of tumor management. Springfield DS, et al. **Instr Course Lect** 1984;33:1–25

Subtotal and total femoral resection: an alternative to total femoral prosthetic replacement. Capanna R, et al. **Int Orthop** 1986;10(2):121–6

Leiomyosarcoma of the hand and wrist. Report of two cases. Brenton GE, et al. **J Bone Joint Surg [Am]** 1986 Jan; 68(1):139–42

Primary myectomy for sarcoma. Rydholm A, et al. **J Bone Joint Surg [Am]** 1986 Apr;68(4):586–9

A randomized trial for the treatment of high-grade soft-tissue sarcomas of the extremities: preliminary observations. Gherlinzoni F, et al. **J Clin Oncol** 1986 Apr;4(4):552–8

The rationale for planned reoperation after unplanned total excision of soft-tissue sarcomas. Giuliano AE, et al. **J Clin Oncol** 1985 Oct;3(10):1344–8

Benign soft tissue chondromatous lesion of the hand. Armin A, et al. **J Hand Surg [Am]** 1985 Nov;10(6 Pt 1):895–9

Subungual myxoma. Kaehr D, et al. **J Hand Surg [Am]** 1986 Jan;11(1):73–6

Synovial cell sarcoma: a case report with a comment on 27 years of treatment. Louis DS, et al. **J Hand Surg [Am]** 1986 Jul;11(4):578–81

Pseudomalignant osseous tumor of soft tissue: a case report and review of the literature. Patel MR, et al. **J Hand Surg [Am]** 1986 Jan;11(1):66–70

Benign tendon sheath chondroma. Jones WA, et al. **J Hand Surg [Br]** 1986 Jun;11(2):276–8

Sacrococcygeal myxopapillary ependymomas and ependymal rests in infants and children. Ciraldo AV, et al. **J Pediatr Surg** 1986 Jan;21(1):49–52

Microsurgical reconstructive surgery following wide resection of bone and soft tissue sarcomas in the upper extremities. Usui M, et al. **J Reconstr Microsurg** 1986 Jan; 2(2):77–85

Malignant fibrous histiocytoma in thoracic surgical practice. Venn GE, et al. **J Thorac Cardiovasc Surg** 1986 Feb; 91(2):234–7

A clinicopathological study on local extension in musculoskeletal sarcoma. Shibata T, et al. **Nippon Geka Hokan** 1986 Jan 1;55(1):224–41

High-grade soft-tissue sarcomas of the extremity: UCLA experience with limb salvage. Eilber FR, et al. **Prog Clin Biol Res** 1985;201:59–74

[Ectopic muscles of the back of the hand. Short extensor medius muscle] Eberlin JL, et al. **Helv Chir Acta** 1985 Dec; 52(5):763–6 (Eng. Abstr.) (Fre)

[Extra-abdominal desmoid tumors. Apropos of a case in the calf] Polveche G, et al. **J Chir (Paris)** 1986 Apr; 123(4):255–60 (Eng. Abstr.) (Fre)

[Planning of soft tissue coverage in the resection of superficial, deforming tumors] Klaes W. **Chirurg** 1986 Feb; 57(2):101–4 (Ger)

[Possibilities of plastic surgical reconstruction in limb-sparing resection of malignant soft tissue tumors of the extremities] Steinau HU, et al. **Chirurg** 1985 Nov;56(11):741–5 (Ger)

[Surgical technology perspectives in soft-tissue sarcomas (letter)] Krause U, et al. **Dtsch Med Wochenschr** 1986 Jun 27;111(26):1042 (Ger)

[Bilateral dorsal elastofibroma] Habeck JO, et al. **Zentralbl Chir** 1986;111(9):549–51 (Ger)

[Monstrous sacral, myxopapillary ependymoma] Kairies U, et al. **Zentralbl Chir** 1986;111(5):272–5 (Ger)

[Desmoid tumors. Contributions to therapy] Neumann A. **Zentralbl Chir** 1986;111(5):267–8 (Ger)

[Soft tissue tumors: surgical therapy] Zucchi V, et al. **Radiol Med (Torino)** 1984 Nov;70(11):888–91 (Ita)

[Injuries of the major blood vessels during oncologic operations] Chumak PIa, et al. **Klin Khir** 1986;(5):57–8 (Rus)

[Treatment of soft tissue sarcomas of the leg] Trishkin VA, et al. **Vestn Khir** 1986 Jun;136(6):66–72 (Eng. Abstr.) (Rus)

THERAPY

Late effects after treatment of twenty children with soft tissue sarcomas of the head and neck. Experience at a single institution with a review of the literature. Fromm M, et al. **Cancer** 1986 May 15;57(10):2070–6

Malignant fibrous histiocytoma of soft tissue in childhood. Raney RB Jr, et al. **Cancer** 1986 Jun 1;57(11):2198–201

Treatment of soft tissue sarcoma with fibroblast interferon (beta-interferon): an American Cancer Society/Illinois Cancer Council Study. Harris J, et al. **Cancer Treat Rep** 1986 Feb;70(2):293–4

Local control and survival in soft tissue sarcomas of the limbs, trunk walls and head and neck: a study of 113 cases. Abbatucci JS, et al. **Int J Radiat Oncol Biol Phys** 1986 Apr;12(4):579–86

Impact of improved local control on survival in patients with soft tissue sarcoma. Suit HD, et al. **Int J Radiat Oncol Biol Phys** 1986 Apr;12(4):699–700

Adult head and neck soft-tissue sarcomas. Greager JA, et al. **Otolaryngol Clin North Am** 1986 Aug;19(3):565–72

Heating of a rhabdomyosarcoma of the rat by 2450 MHz microwaves: technical aspects and temperature distributions. Zywietz F, et al. **Recent Results Cancer Res** 1986;101:36–46

Rhabdomyosarcoma in Thai children. Hathirat P, et al. **Southeast Asian J Trop Med Public Health** 1985 Dec; 16(4):688–90

Improved survival for soft tissue sarcoma of the extremities by regional hyperthermic perfusion, local excision and radiation therapy. Lehti PM, et al. **Surg Gynecol Obstet** 1986 Feb;162(2):149–52

Soft tissue sarcomas of the distal extremities. Walker MJ, et al. **Surgery** 1986 Apr;99(4):392–8

Hyperthermic antiblastic perfusion in the treatment of cancer of the extremities. Vaglini M, et al. **Tumori** 1985 Aug 31; 71(4):355–9

[Combination cisplatin, fluorouracil and low-dose radiotherapy in recurrent soft tissue sarcomas (letter)] Bolla M, et al. **Presse Med** 1986 Mar 15;15(11):535–6 (Fre)

[Therapy of soft-tissue sarcomas] Fuchs R, et al. **Dtsch Med Wochenschr** 1986 May 2;111(18):710–3 (Ger)

[Embolization therapy of primary soft tissue tumors and metastatic masses in the pelvic region. Indications, results and risks] Löhr E, et al. **Radiologe** 1985 Aug;25(8):359–63 (Eng. Abstr.) (Ger)

[Malignant primary tumors of the vagina] de Laurentiis G, et al. **Minerva Ginecol** 1986 Jun;38(6):485–501 (Eng. Abstr.) (Ita)

[Italian multicenter experience in the treatment of neuroblastoma and soft tissue sarcoma] Madon E, et al. **Minerva Pediatr** 1985 Sep 15;37(17):603–10 (Ita)

[Tumor calcinosis in a hemodialysis patient. Trial of surgical and drug treatment] Brognoli M, et al. **Minerva Urol Nefrol** 1986 Jan–Mar;38(1):115–20 (Eng. Abstr.) (Ita)

[Multidisciplinary treatment of bone and soft tissue sarcomas] Furuya K, et al. **Gan No Rinsho** 1985 Jul;31(9 Suppl):1063–72 (Eng. Abstr.) (Jpn)

[Bone and soft-tissue tumors] Shirai Y, et al. **Gan To Kagaku Ryoho** 1986 Jan;13(1):30–6 (Eng. Abstr.) (Jpn)

ULTRASTRUCTURE

Microtubular aggregates within rough endoplasmic reticulum: an unusual ultrastructural feature of extraskeletal myxoid chondrosarcoma. DeBlois G, et al. **Hum Pathol** 1986 May;17(5):469–75

Soft tissue tumor with prominent leptomeric fibrils and complexes. Carstens HB, et al. **Ultrastruct Pathol** 1986; 10(2):137–44

Ultrastructural study of a clear cell sarcoma suggesting schwannian differentiation. Ohno T, et al. **Ultrastruct Pathol** 1986;10(1):39–48

[Malignant fibrous histiocytoma: an ultrastructural study of 12 cases] Yang GH. **Chung-hua Ping Li Hsueh Tsa Chih** 1985 Dec;14(4):256–9 (Eng. Abstr.) (Chi)

[Ultrastructural and immunocytochemical markers of soft tissue sarcomas] Lagacé R. **Union Med Can** 1985 Sep; 114(9):768–70, 780 (Eng. Abstr.) (Fre)

[Electron microscopy in the diagnosis of soft tissue angiogenic tumors] Filippova NA. **Arkh Patol** 1985; 47(9):60–7 (Eng. Abstr.) (Rus)

[Problems of the differential diagnosis and classification of liposarcomas (electron microscopy study)] Kats VA, et al. **Arkh Patol** 1986;48(2):13–9 (Eng. Abstr.) (Rus)

VETERINARY

Neoplasms of the skin and subcutaneous tissues in dogs and cats. Bostock DE. **Br Vet J** 1986 Jan–Feb;142(1):1–19

SOIL

Non-filarial elephantiasis in Nyambene range: a geochemical disease. Crivelli PE. **East Afr Med J** 1986 Mar;63(3):191–4

Adsorption thermodynamics of carbofuran on sandy clay loam and silt loam soils. Singh RP, et al. **Ecotoxicol Environ Safety** 1985 Dec;10(3):309–13

A simple compact apparatus for measuring diffusion properties of Rn through soils and other materials. Cohen BL, et al. **Health Phys** 1986 Jan;50(1):133–7

Radioactivity of size fractionated fly-ash emissions from a peat- and oil-fired power plant. Mustonen R, et al. **Health Phys** 1985 Dec;49(6):1251–60

Vertical distribution of trichostrongylid larvae on herbage and in soil. Callinan AP, et al. **Int J Parasitol** 1986 Jun; 16(3):241–4

Influence of ingestion of aluminum, citric acid and soil on mineral metabolism of lactating beef cows. Allen VG, et al. **J Anim Sci** 1986 May;62(5):1396–403

Prevalence of soil contamination by Toxocara canis eggs in Qalubiya Governorate. Madwar MA, et al. **J Egypt Soc Parasitol** 1986 Jun;16(1):105–9

The survival of parasite eggs throughout the soil profile. Storey GW, et al. **Parasitology** 1985 Dec;91 (Pt 3):585–90

Radiological and legal aspects of energy production by burning peat. Ehdwall H, et al. **Sci Total Environ** 1985 Oct;45:69–75

Installation of supply/exhaust ventilation as a remedial action against radon from soil and/or building materials. Ericson SO, et al. **Sci Total Environ** 1985 Oct;45:499–505

Mites from the city pavement. Samšináková K, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Jun; 181(1–2):132–8

[Model experiments with rats fed peloid and peloid extracts] Fink J. **DTW** 1985 Apr 9;92(4):145–7 (Eng. Abstr.) (Ger)

[Morphological evaluation of the lungs of rats exposed to soil dust] Staszyc J, et al. **Med Pr** 1986;37(2):65–72 (Eng. Abstr.) (Pol)

[Current problems in the hygiene and epidemiology of soil] Gorbov VA, et al. **Gig Sanit** 1985 Nov;(11):44–7 (Rus)

ANALYSIS

Soil arsenic in Armadale, Scotland. Smith GH, et al. **Arch Environ Health** 1986 Mar–Apr;41(2):120–2

Fluoride content of water, dust, soils and cereals in the endemic dental fluorosis area of Khouribga (Morocco). Haikel Y, et al. **Arch Oral Biol** 1986;31(5):279–86

Effect of perforated plastic row covers on residues of the herbicide DCPA in soil and broccoli. Jensen KI, et al. **Bull Environ Contam Toxicol** 1985 Dec;35(6):716–22

Accelerated degradation of carbaryl and carbofuran in a flooded soil pretreated with hydrolysis products, 1-naphthol and carbofuran phenol. Rajagopal BS, et al. **Bull Environ Contam Toxicol** 1986 Jun;36(6):827–32

Soil water samplers in ion balance studies on acidic forest soils. Rasmussen L, et al. **Bull Environ Contam Toxicol** 1986 Apr;36(4):563–70

Hydrogen oxidation soil bioassay using the single laboratory method. Rogers RD, et al. **Bull Environ Contam Toxicol** 1986 Mar;36(3):384–91

Loss of the herbicide triallate from a clay soil containing aged and freshly applied residues. Smith AE, et al. **Bull Environ Contam Toxicol** 1985 Dec;35(6):723–8

Effects of soil texture on respiration and metal solubility in heating oil-amended soils. Zibilske LM, et al. **Bull Environ Contam Toxicol** 1986 Apr;36(4):540–7

Effect of different salt leachates on the movement of some phosphorus containing pesticides in soils using thin layer chromatography. Sharma SR, et al. **Ecotoxicol Environ Safety** 1986 Apr;11(2):229–40

Effect of different saline, alkaline salts, fertilizers, and surfactants on the movement of some phosphorus-containing pesticides in soils. Sharma SR, et al. **Ecotoxicol Environ Safety** 1985 Dec;10(3):339–50

Factors affecting the uptake of 14C-labeled organic chemicals by plants from soil. Topp E, et al. **Ecotoxicol Environ Safety** 1986 Apr;11(2):219–28

Pu isotopes, 241Am and 137Cs in soils from the atomic bombed areas in Nagasaki and Hiroshima. Yamamoto M, et al. **J Radiat Res (Tokyo)** 1985 Jun;26(2):211–23

Asbestos in play sand [letter] Germine M. **N Engl J Med** 1986 Oct 2;315(14):891

Measurement of the emanation of radon-222 from Danish soils. Damkjaer A, et al. **Sci Total Environ** 1985 Oct; 45:343–50

State of the art of practical countermeasures and techniques and cost-benefit considerations. Ericson SO, et al. **Sci Total Environ** 1985 Oct;45:477–84

Calculations on the relationship between gamma source distributions in the soil and external doses. Koblinger L, et al. **Sci Total Environ** 1985 Oct;45:357–64

Radon in soil gas—exhalation tests and in situ measurements. Lindmark A, et al. **Sci Total Environ** 1985 Oct;45:397–404

Radon exhalation from the ground; method of measurements and preliminary results. Stranden E, et al. **Sci Total Environ** 1985 Oct;45:165–71

Radon transport in soil and its relation to indoor radioactivity. Wilkening M. **Sci Total Environ** 1985 Oct; 45:219–26

[Role of the soil–plant complex in indicating the xenobiotic burden of environmental objects] Dekanoidze AA, et al. **Gig Sanit** 1985 Nov;(11):88–9 (Rus)

[Basis for the hygienic standards for the concentration of heterophos in soil] Spynu EI, et al. **Gig Sanit** 1986 Mar; (3):75–6 (Rus)

[Role of prostaglandins in the mechanism of action of therapeutic mud] Demeneva LA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Mar–Apr; (2):31–4 (Eng. Abstr.) (Rus)

[Comparative study of humic acids of muds and peat by the methods of electron paramagnetic resonance and infrared spectroscopy] Efendieva FM, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Jul–Aug;(4):45–8 (Rus)

[Patterns in the formation of the mechanical composition of a mud bed using Solenoi Lake in the Kherson Region as an example] Kolesnikova AA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Mar–Apr; (2):51–3 (Rus)

[Carcinogenicity and mutagenicity of the mud preparation humisol] Sul' VM, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Mar–Apr; (2):34–7 (Eng. Abstr.) (Rus)

SOIL MICROBIOLOGY

Production of organic acids by bacteria isolated from soil, rhizosphere and mycorrhizosphere of pine (Pinus sylvestris L.). Różycki H. **Acta Microbiol Pol** 1985;34(3–4):301–8

Kinetics of mineralization of organic compounds at low concentrations in soil. Scow KM, et al. **Appl Environ Microbiol** 1986 May;51(5):1028–35

Salmonella and Yersinia enterocolitica in soil and dog faeces. Nastasi A, et al. **Boll Ist Sieroter Milan** 1986;65(2):150–2

Effect of three insecticides on growth rates of soil fungi. Beatty KL, et al. **Bull Environ Contam Toxicol** 1986 Apr; 36(4):533–9

Accelerated tetramethylthiuram disulfide (TMTD) degradation in soil by inoculation with TMTD-utilizing bacteria. Shirkot CK, et al. **Bull Environ Contam Toxicol** 1985 Sep;35(3):354–61

Human viruses in sediments, sludges, and soils. Rao VC, et al. **Bull WHO** 1986;64(1):1–13 (33 ref.)

Prevalence of helminth ova in recreational areas of peninsular Halifax, Nova Scotia. Gualazzi DA, et al. **Can J Public Health** 1986 Mar–Apr;77(2):147–51

Environmental prevalence of Nocardia species in Punjab state (India). Singh M, et al. **Indian J Med Res** 1985 Nov; 82:402–7

VC11: an actinophage virulent to Streptomyces cattleya and Streptomyces olivaceus. Coyne VE, et al. **Intervirology** 1986;25(2):61–8

Detection and enumeration of Listeria monocytogenes in a sewage treatment plant in Iraq. Al-Ghazali MR, et al. **J Appl Bacteriol** 1986 Mar;60(3):251–4

The metabolism of carbaryl by three bacterial isolates, Pseudomonas spp. (NCIB 12042 & 12043) and Rhodococcus sp. (NCIB 12038) from garden soil. Larkin MJ, et al. **J Appl Bacteriol** 1986 Mar;60(3):233–42

Isolation and characterization of new facultatively alkalophilic strains of Bacillus species. Guffanti AA, et al. **J Bacteriol** 1986 Sep;167(3):766–73

Three new temperate phages of Bacillus subtilis. Fernandes RM, et al. **J Gen Microbiol** 1986 Mar;132 (Pt 3):661–8

Red-pigmented Histoplasma capsulatum—an unusual variant. Morris PR, et al. **J Med Vet Mycol** 1986 Jun;24(3):231–3

An outbreak and review of cave-associated histoplasmosis capsulati. Sacks JJ, et al. **J Med Vet Mycol** 1986 Aug; 24(4):313–25

Survival of Pasteurella multocida in soil and water in an area where avian cholera is enzootic. Backstrand JM, et al. **J Wildl Dis** 1986 Apr;22(2):257–9

Density and distribution of Clostridium tetani in the soil. Ebisawa I, et al. **Jpn J Exp Med** 1986 Apr;56(2):69–74

Studies on pathogenic dematiaceous fungi. 1. Isolation from natural sources. Okeke CN, et al. **Mycopathologia** 1986 Apr; 94(1):19–25

Isolation of Blastomyces dermatitidis in soil associated with a large outbreak of blastomycosis in Wisconsin. Klein BS, et al. **N Engl J Med** 1986 Feb 27;314(9):529–34

Microbial transformations of sulphur in atmospheric-polluted soils. Wainwright M, et al. **Rev Environ Health** 1984; 4(4):339–56 (48 ref.)

Autochthonous bacteria in the Chalk and their influence on groundwater quality in East Anglia. Parker JM, et al. **Soc Appl Bacteriol Symp Ser** 1985;14:15S–25S

Toxin-types of Clostridium perfringens strains isolated from sheep, cattle and paddock soils in Nigeria. Itodo AE, et al. **Vet Microbiol** 1986 Jun;12(1):93–6

Ecology of Rhodococcus (Corynebacterium) equi in soil on a horse-breeding farm. Takai S, et al. **Vet Microbiol** 1986 Jul;12(2):169–77

Effects of the herbicides simazine and bromophenoxim on the microflora of two soil types in Egypt. el-Abyad MS, et al. **Zentralbl Mikrobiol** 1985;140(8):607–19

Influence of the herbicides Goltix and Sencor on nitrification process in two soils. Gadkari D. **Zentralbl Mikrobiol** 1985; 140(7):547–54

Production of B-group vitamins by bacteria isolated from soil, rhizosphere, and mycorrhizosphere of pine (Pinus sylvestris L.). Strzelczyk E, et al. **Zentralbl Mikrobiol** 1985; 140(4):293–301

[Tetanus in the Faeroe Islands. A retrospective study of 9 cases, a questionnaire study for local physicians and a bacteriological examination of the soil] Berner J. **Ugeskr Laeger** 1985 Aug 12;147(33):2608–9 (Eng. Abstr.) (Dan)

[Isolation and description of strains of Flavobacterium multivorum of telluric origin] Pichinoty F, et al. **Ann Inst Pasteur Microbiol** 1985 May–Jun;136A(3):359–70 (Eng. Abstr.) (Fre)

[A dermatophyte, Microsporum canis Bodin, 1902, isolated from the soil in Yugoslavia] Jankovic-Brmbolic A, et al. **Arch Inst Pasteur Tunis** 1985 Sep;62(3):287–91 (Eng. Abstr.) (Fre)

[Soil microbiologic reflections on the evaluation of ecotoxicity] Filip Z. **Schriftenr Ver Wasser Boden Lufthyg** 1986;64:179–91 (Ger)

[Behavior of microorganisms in wastes from medical practice and household refuse deposited in a model landfill] Trost M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Jun; 181(1–2):173–83 (Eng. Abstr.) (Ger)

[Assay and survival of Vibrio parahaemolyticus in environmental samples] Spanò AM, et al. **Boll Soc Ital Biol Sper** 1985 Aug 30;61(8):1141–5 (Eng. Abstr.) (Ita)

[Total number of bacteria and fungi as an index for human pollution at Syowa Station in Antarctica. 1. Special reference to the specimen collected by 18th Japanese Antarctic Research Expedition] Toyoda S, et al. **Nippon Saikingaku Zasshi** 1986 Mar;41(2):527–34 (Eng. Abstr.) (Jpn)

[Various questions concerning soil protection when using bedding-free cattle manure] Grishaev ID, et al. **Gig Sanit** 1985 Nov;(11):82–3 (Rus)

[Contamination of vegetables and the external environment of vegetable store houses of the Primor'e Territory by Yersinia] Kuznetsov VG. **Gig Sanit** 1986 May;(5):69–71 (Rus)

[New criteria for the evaluation of microorganism response to environmental pollution with heavy metals] Niiazova GA, et al. **Izv Akad Nauk SSSR [Biol]** 1986 Mar–Apr; (2):250–9 (Eng. Abstr.) (Rus)

[Biodegradation of petroleum hydrocarbons in soil inoculated with yeasts] Ismailov NM. **Mikrobiologiia** 1985 Sep–Oct; 54(5):835–41 (Eng. Abstr.) (Rus)

[Distribution of microorganisms lysing Pseudomonas aeruginosa in reservoirs and soil] Lambina VA, et al. **Mikrobiologiia** 1986 Jan–Feb;55(1):135–7 (Eng. Abstr.) (Rus)

[Proteolytic and lipolytic activities of mold fungi and Actinomyces in therapeutic muds of the Krasnoyarsk Territory and Tuva] Garanina OP. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Jul–Aug;(4):43–5 (Rus)

[Salmonella infections in children's playgrounds in Leningrad] Kariagina EI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Sep;(9):115 (Rus)

[Isolation of Histoplasma capsulatum on the Isla de la Juventud] Fernández Andreu C, et al. **Rev Cubana Med Trop** 1984 Sep–Dec;36(3):297–304 (Eng. Abstr.) (Spa)

SOIL POLLUTANTS

Human viruses in sediments, sludges, and soils. Rao VC, et al. **Bull WHO** 1986;64(1):1–13 (33 ref.)

Dose rate conversion factors [letter] Beck HL, et al. **Health Phys** 1985 Nov;49(5):1015–6

The disposal of low-level radioactive waste [letter] Mayer JL. **JAMA** 1986 May 9;255(18):2446–7

Bioavailability of dioxin in soil from a 2,4,5-T manufacturing site. Umbreit TH, et al. **Science** 1986 Apr 25; 232(4749):497–9

[Data to substantiate the maximum permissible concentration of Acrex in soil] Bolotnyĭ AV, et al. **Gig Sanit** 1985 Nov; (11):77–8 (Rus)

[Hygienic aspects of protecting the soil against pollution by

waste from electroplating plants] Perelygin VM, et al. **Gig Sanit** 1986 Jun;(6):89–90 **(Rus)**

[Sanitary control of the soil of private residences] Romanenko NA, et al. **Gig Sanit** 1986 May;(5):85–6 **(Rus)**

[Hygienic regulation of total and assimilable fluorine in soil] Sergienko LI. **Gig Sanit** 1985 Nov;(11):78–9 **(Rus)**

[Role of yeasts of the genus Candida in the transformation of the hydrocarbon energy in oil-contaminated gray-brown soil] Ismailov NM. **Mikrobiologiia** 1985 Jul-Aug;54(4):668–74 (Eng. Abstr.) **(Rus)**

[Biodegradation of petroleum hydrocarbons in soil inoculated with yeasts] Ismailov NM. **Mikrobiologiia** 1985 Sep-Oct; 54(5):835–41 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Childhood exposure to lead in surface dust and soil: a community health problem. Duggan MJ, et al. **Public Health Rev** 1985;13(1–2):1–54 (146 ref.)

[Soil pollution caused by refuse disposal? Tasks of the public health office?] Keller R. **Off Gesundheitswes** 1986 Jun; 48(6):289–96 (Eng. Abstr.) **(Ger)**

[Preventive and restorative measures for maintaining the quality of soil and ground water] Milde G. **Schriftenr Ver Wasser Boden Lufthyg** 1985;65:315–39 **(Ger)**

ANALYSIS

Use of spectroscopic techniques for the determination of trace metals in natural waters and sediments. Boniforti R, et al. **Ann Ist Super Sanita** 1983;19(4):597–603

Faecal contamination of shore-line sands. Aulicino FA, et al. **Boll Soc Ital Biol Sper** 1985 Oct 30;61(10):1469–75

Levels of chemical versus biological methylation of mercury in sediments. Berman M, et al. **Bull Environ Contam Toxicol** 1986 Mar;36(3):401–4

Superficial accumulation of heavy metals in near shore marine sediments: an objective index of environmental pollution. Establier R, et al. **Bull Environ Contam Toxicol** 1985 Sep;35(3):348–53

Dissipation of dislodgeable foliar residue of chlorpyrifos and dichlorvos on turf. Goh KS, et al. **Bull Environ Contam Toxicol** 1986 Jul;37(1):27–32

Dissipation of dislodgeable foliar residue for chlorpyrifos and dichlorvos treated lawn: implication for safe reentry. Goh KS, et al. **Bull Environ Contam Toxicol** 1986 Jul;37(1):33–40

Hydrogen oxidation soil bioassay using the single laboratory method. Rogers RD, et al. **Bull Environ Contam Toxicol** 1986 Mar;36(3):384–91

Mercury in plants, soil, and water from a caustic chlorine industry. Shaw BP, et al. **Bull Environ Contam Toxicol** 1986 Feb;36(2):299–305

Accelerated tetramethylthiuram disulfide (TMTD) degradation in soil by inoculation with TMTD-utilizing bacteria. Shirkot CK, et al. **Bull Environ Contam Toxicol** 1985 Sep;35(3):354–61

Hexabromobenzene and its debrominated compounds in river and estuary sediments in Japan. Watanabe I, et al. **Bull Environ Contam Toxicol** 1986 May;36(5):778–84

Aerobic and anaerobic biodegradation of nitrilotriacetate in subsurface soils. Ward TE. **Ecotoxicol Environ Safety** 1986 Feb;11(1):112–25

Radionuclide concentrations in Louisiana soils and sediments. DeLaune RD, et al. **Health Phys** 1986 Aug;51(2):239–44

Distribution of gamma-emitting radionuclides in soils at the Atomic Energy Research Establishment, Savar, Bangladesh. Mollah AS, et al. **Health Phys** 1986 Jun; 50(6):835–8

Fate of foreign compounds in the environment. Anderson AC, et al. **J Community Health** 1985 Fall;10(3):172–9

Public health significance of industrial pollution in Zaria, Nigeria. Oganga AO, et al. **J R Soc Health** 1985 Dec; 105(6):211–5

Cadmium and nickel in mainstream particulates of cigarettes containing tobacco grown on a low-cadmium soil-sludge mixture. Bache CA, et al. **J Toxicol Environ Health** 1985; 16(3–4):547–52

Bioavailability of soil-borne polybrominated biphenyls ingested by farm animals. Fries GF. **J Toxicol Environ Health** 1985;16(3–4):565–79

Response of Japanese quail fed seed meal from sunflowers grown on a municipal sludge-amended soil: elevation of cadmium in tissues. Stoewsand GS, et al. **J Toxicol Environ Health** 1986;17(1):91–100

Lead in dust and soil [letter] Rabin R. **JAMA** 1985 Oct 18; 254(15):2064

Cesium and cobalt transfer from soil to vegetation on permanent pastures. Boikat U, et al. **Radiat Environ Biophys** 1985;24(4):287–301

Uptake of natural and man-made radionuclides by lichens and mushrooms. Eckl P, et al. **Radiat Environ Biophys** 1986; 25(1):43–54

Investigations on fly-ash and soil samples in the environment of a coal-fired power plant. Glöbel B, et al. **Sci Total Environ** 1985 Oct;45:63–7

Deposition fluxes of lead, cadmium, copper and polynuclear aromatic hydrocarbons (PAH) on the verges of a major highway. Harrison RM, et al. **Sci Total Environ** 1985 Nov; 46:121–35

Mutagenicity of chlorinated products from soil humic substances. Sato T, et al. **Sci Total Environ** 1985 Nov; 46:229–41

Investigation of mine and industry dumps in the FRG in relation to a possible release of natural radioactive elements. Schmitz J. **Sci Total Environ** 1985 Oct;45:85–91

Accumulation of cadmium, mercury and lead by vegetables following long-term land application of wastewater. Sharistpanahi M, et al. **Sci Total Environ** 1986 Jun; 52(1–2):41–7

Toxicological evaluation of quartz and silica contents in studded tire-generated dust in the city of Sendai. Ikeda M, et al. **Tohoku J Exp Med** 1986 Feb;148(2):207–11

Fate of synthetic organic chemicals in soil-groundwater systems. Pancorbo OC, et al. **Vet Hum Toxicol** 1986 Apr; 28(2):127–43 (148 ref.)

Groundwater quality today and tomorrow. Forslund J. **World Health Stat Q** 1986;39(1):81–92 **(Eng, Fre)**

[Soil microbiologic reflections on the evaluation of ecotoxicity] Filip Z. **Schriftenr Ver Wasser Boden Lufthyg** 1986;64:179–91 **(Ger)**

[Experiences with sorption tests for evaluating environmental tolerance of chemicals in the soil] Friesel P. **Schriftenr Ver Wasser Boden Lufthyg** 1986;64:171–8 **(Ger)**

[Preliminary studies for gathering ground water samples in areas of potential ground water modification by plant treatment agents] Kiper M. **Schriftenr Ver Wasser Boden Lufthyg** 1986;64:85–96 **(Ger)**

[Status and tasks of the environmental health evaluation of clarifying slurry and dredged material disposal] Leschber R. **Schriftenr Ver Wasser Boden Lufthyg** 1986;64:151–6 **(Ger)**

[Effects of acid precipitation on soil and ground water] Lorenz H, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1985; 65:351–6 **(Ger)**

[Status of knowledge about substance pollution of soil and ground water by acid precipitates in forests] Lorenz H. **Schriftenr Ver Wasser Boden Lufthyg** 1986;64:119–49 **(Ger)**

[Development of the direction of investigation in soil and water public health of the Institute of Water, Soil and Air Public Health] Milde G, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1986;64:1–19 **(Ger)**

[Protection and restoration of soil and ground water] Milde G. **Schriftenr Ver Wasser Boden Lufthyg** 1986;64:21–9 **(Ger)**

[Analysis of soil air for volatile halogenated hydrocarbons] Neumayr V. **Schriftenr Ver Wasser Boden Lufthyg** 1985; 65:387–403 **(Ger)**

[Studies of soil emanations using capillary gas chromatography and ECD-FID serial detection for localizing soil and ground water contamination] Neumayr V. **Schriftenr Ver Wasser Boden Lufthyg** 1986;64:65–84 **(Ger)**

[Biological availability of methamidophos. Studies on the fate of the insecticide 32p-methamidophos (thiophosphoric acid-0,S-dimethylester amide) in a terrestrial laboratory micro-ecosystem model] Martinetz D, et al. **Z Gesamte Hyg** 1985 Nov;31(11):644–6 (Eng. Abstr.) **(Ger)**

[Evaporation and erosion of methamidophos from various soils. Studies on the fate of the insecticide 32P-methamidophos (thiophosphoric acid-O,S-dimethylester amide) in a terrestrial laboratory micro-ecosystem model] Wenzel KD, et al. **Z Gesamte Hyg** 1985 Nov;31(11):647–8 (Eng. Abstr.) **(Ger)**

[Aromatic polycyclic hydrocarbon level in the soil of the worker-owned gardens in the city of Cracow] Mikolajek A, et al. **Rocz Panstw Zakl Hig** 1985;36(2):125–32 (Eng. Abstr.) **(Pol)**

[Lead levels in selected vegetables and fruit grown within the range of lead compound emission by the Irena glass works in Inowroclaw] Zommer-Urbańska S, et al. **Rocz Panstw Zakl Hig** 1985;36(4):298–303 (Eng. Abstr.) **(Pol)**

[Potential use of vapor-phase analysis for controlling aphos residues in the water and soil] Goncharuk EI, et al. **Gig Sanit** 1986 Apr;(4):70–1 **(Rus)**

[Basis for the hygienic standards for the concentration of heterophos in soil] Spynu EI, et al. **Gig Sanit** 1986 Mar; (3):75–6 **(Rus)**

METABOLISM

Polychlorinated biphenyls in plant foliage: translocation or volatilization from contaminated soils? Bacci E, et al. **Bull Environ Contam Toxicol** 1985 Nov;35(5):673–81

Long-term availability of Cm and Pu to crop plants. Adriano DC, et al. **Health Phys** 1986 May;50(5):647–51

Chemical states of stable Zn and aging effect of 65Zn in the soil. Homma Y, et al. **J Radiat Res (Tokyo)** 1985 Sep; 26(3):330–3

Cadmium in tissues of Japanese quail fed oat grain grown on municipal sludge-amended soil. Bache CA, et al. **J Toxicol Environ Health** 1986;18(2):315–9

Concentration of cadmium in Coturnix quail fed earthworms. Stoewsand GS, et al. **J Toxicol Environ Health** 1986; 18(3):369–76

Microbial transformations of sulphur in atmospheric-polluted soils. Wainwright M, et al. **Rev Environ Health** 1984; 4(4):339–56 (48 ref.)

POISONING

Acute lead poisoning with eosinophilic meningoencephalitis in calves on a farm receiving land application of sewage sludge. Dorn CR, et al. **J Environ Pathol Toxicol Oncol** 1986 Mar-Apr; 6(3-4):305–13

Nitrates in ground and drinking water: analysis of policies and regulations. Conrad J. **Sci Total Environ** 1986 May; 51:209–25

TOXICITY

Toxicity of lead to soil respiration: mediation by clay minerals, humic acids, and compost. Debosz K, et al. **Bull Environ Contam Toxicol** 1985 Oct;35(4):517–24

Comparative toxicity of ten organic chemicals to four earthworm species. Neuhauser EF, et al. **Comp Biochem Physiol [C]** 1986;83(1):197–200

Ingestion of soil contaminated with 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) alters hepatic enzyme activities in rats. Lucier GW, et al. **Fundam Appl Toxicol** 1986 Feb;6(2):364–71

Evaluation of acute bioassays for assessing toxicity of polychlorinated biphenyl-contaminated soils. Hose JE, et al. **Regul Toxicol Pharmacol** 1986 Mar;6(1):11–23

[Various aspects of the hygiene and toxicology of the herbicide sangor] Bidnenko LI. **Gig Sanit** 1986 Mar;(3):88–9 **(Rus)**

[Basis for the maximum permissible exposure level of betanale taking into account its toxicologic hazardousness level] Korol' RV. **Gig Sanit** 1986 Mar;(3):22–4 (Eng. Abstr.) **(Rus)**

[New criteria for the evaluation of microorganism response to environmental pollution with heavy metals] Niiazova GA, et al. **Izv Akad Nauk SSSR [Biol]** 1986 Mar-Apr; (2):250–9 (Eng. Abstr.) **(Rus)**

SOIL POLLUTANTS, RADIOACTIVE see under **SOIL POLLUTANTS**

SOLANACEOUS ALKALOIDS

ANALYSIS

Measurement of potato steroidal alkaloids in human serum and saliva by radioimmunoassay. Harvey MH, et al. **Hum Toxicol** 1985 Sep;4(5):503–12

BLOOD

Potato steroidal alkaloids and neural tube defects: serum concentrations fail to demonstrate a causal relation. Harvey MH, et al. **Hum Toxicol** 1986 Jul;5(4):249–53

PHARMACODYNAMICS

The inactivation of herpes simplex virus by some Solanaceae glycoalkaloids. Thorne HV, et al. **Antiviral Res** 1985 Dec; 5(6):335–43

Anisodamine induces the hexagonal phase in phospholipid liposomes. Hwang F, et al. **Biochim Biophys Acta** 1986 Sep 11;860(3):713–6

Effects of anisodamine on cardiovascular activities in endotoxin-shocked dogs. Yao T, et al. **Chin Med J [Engl]** 1984 Dec;97(12):871–6

[Effect of anisodamine on serum beta-glucuronidase activity in shock] Shen WT. **Chung Hsi I Chieh Ho Tsa Chih** 1985 Sep;5(9):561–2, 517 (Eng. Abstr.) **(Chi)**

[Effect of anisodamine on pulmonary microcirculation during experimental lung injury] Rao WH. **Chung Hua I Hsueh Tsa Chih** 1985 Jul;65(7):389–92, 444 (Eng. Abstr.) **(Chi)**

[Effect of 5-HT and anisodamine in endotoxic shock] Xu SH, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Apr; 6(2):142–4 (Eng. Abstr.) **(Chi)**

THERAPEUTIC USE

[Mechanism of anisodamine in the treatment of aplastic anemia] Lu SF, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Jan;25(1):10–2, 62 (Eng. Abstr.) **(Chi)**

[Protective effect of 654-2 on oleic acid-induced lung injury] Chen XY, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1985 Apr; 7(2):97–101 (Eng. Abstr.) **(Chi)**

[Mechanism of the antishock action of anisodamine (654-2)] Su JY. **Sheng Li Ko Hsueh Chin Chan** 1985 Oct; 16(4):317–22 (33 ref.) **(Chi)**

SOLANINE

TOXICITY

Comparative assessment of the effect of solanine administered orally and intraperitoneally on hepatic dysfunction in male rats. Dalvi RR. **Nippon Juigaku Zasshi** 1985 Aug; 47(4):657–9

SOLANUM ALKALOIDS see **SOLANACEOUS ALKALOIDS**

SOLANUM TUBEROSUM see **POTATOES**

SOLAR ENERGY see under ENERGY-GENERATING RESOURCES

SOLAR PLEXUS see CELIAC PLEXUS

SOLDERING, DENTAL

Flexure test evaluation of presoldered base metal alloys. Anusavice KJ, et al. **J Prosthet Dent** 1985 Oct;54(4):507–17

A quantitative study of preporcelain soldered connector strength with palladium–based porcelain bonding alloys. Beck DA, et al. **J Prosthet Dent** 1986 Sep;56(3):301–6

Cast connectors: an alternative to soldering base metal alloys. Fehling AW, et al. **J Prosthet Dent** 1986 Feb;55(2):195–7

Quantitative study of soldered connector tensile strength using low–gold content alloys. Janus CE, et al. **J Prosthet Dent** 1985 Oct;54(4):517–21

Accuracy of one–piece castings, preceramic and postceramic soldering. Ziebert GJ, et al. **J Prosthet Dent** 1986 Mar; 55(3):312–7

METHODS

Inert gas presoldering of nickel–chromium alloys. Anusavice KJ, et al. **J Prosthet Dent** 1986 Mar;55(3):317–23

The effects of prewetting on postsoldering of base metal alloys. Bellagamba RL. **J Prosthet Dent** 1985 Sep; 54(3):355–8

Tensile strength comparison of presoldered and postsoldered joints. Monday JJ, et al. **J Prosthet Dent** 1986 Jan; 55(1):23–7

Verification index to ensure soldering accuracy. Trebilcock CE Jr, et al. **J Prosthet Dent** 1985 Nov;54(5):657–9

SOLUBILITY

Partitioning and lipophilicity in quantitative structure–activity relationships. Dearden JC. **Environ Health Perspect** 1985 Sep;61:203–28 (171 ref.)

The use of ordered mixtures for improving the dissolution rate of low solubility compounds. Nyström C, et al. **J Pharm Pharmacol** 1986 Mar;38(3):161–5

Coulter Counter measurements of solubility and dissolution rate of sparingly soluble compounds using micellar solutions. Nyström C, et al. **J Pharm Pharmacol** 1986 Jun; 38(6):420–5

Mixing–tank model for predicting dissolution rate control or oral absorption. Dressman JB, et al. **J Pharm Sci** 1986 Feb;75(2):109–16

Linear solvation energy relationships: 36. Molecular properties governing solubilities of organic nonelectrolytes in water. Kamlet MJ, et al. **J Pharm Sci** 1986 Apr; 75(4):338–49

Comparison of statistical moment parameters to Cmax and tmax for detecting differences in in vivo dissolution rates. Khoo KC, et al. **J Pharm Sci** 1985 Dec;74(12):1340–2

Preformulation study of a poorly water–soluble drug, alpha–pentyl–3–(2–quinolinylmethoxy)benzenemethanol: selection of the base for dosage form design. Serajuddin AT, et al. **J Pharm Sci** 1986 May;75(5):492–6

SOLUTIONS

Comparison of diluents for maintaining the viability of Cowdria ruminantium. Birnie EF, et al. **Am J Vet Res** 1986 Jun;47(6):1225–8

Citrate can effectively replace bicarbonate in oral rehydration salts for cholera and infantile diarrhoea. Islam MR. **Bull WHO** 1986;64(1):145–50

Preparation of concentrated solutions of some common solutes by means of calculated molalities. Duggleby RG. **Comput Biol Med** 1985;15(6):375–9

Sonochemical free radical formation in aqueous solutions. Riesz P, et al. **Fed Proc** 1986 Sep;45(10):2485–92 (25 ref.)

Viability of staphylococci in various diluents. Essiain R, et al. **Infect Control** 1986 Jul;7(7):370–2

The systematic characterization by aqueous column chromatography of solutes which affect protein stability. Washabaugh MW, et al. **J Biol Chem** 1986 Sep 25; 261(27):12477–85

Factors affecting Staphylococcus epidermidis growth in peritoneal dialysis solutions. McDonald WA, et al. **J Clin Microbiol** 1986 Jul;24(1):104–7

Low temperature light microscopy and its application to study freezing in aqueous solutions and biological cell suspensions. Körber C, et al. **J Microsc** 1986 Mar;141 (Pt 3):263–76

Oral rehydration therapy: its use in neonates and young infants. Pizarro D. **J Pediatr Gastroenterol Nutr** 1986 Jan; 5(1):6–8

Theoretical derivation of solute–solvent interaction parameter in binary solution: case of the deviation from Raoult's law. Liron Z, et al. **J Pharm Sci** 1986 May; 75(5):463–8

Oral liquid neuroleptics: administer with care. Kerr LE. **J Psychosoc Nurs Ment Health Serv** 1986 Mar;24(3):33–5

Effect of different irrigating solutions on the endothelium of small arteries: experimental study in rats. Mazer N, et al. **Microsurgery** 1986;7(1):9–28

[Effect of the rinsing solution on bacterial contamination during prolonged catheterization of the radial artery] Rud C, et al. **Ann Fr Anesth Reanim** 1985;4(5):444 (Fre)

ADVERSE EFFECTS

Cytotoxicity of commercial peritoneal dialysis solutions towards peritoneal cells of chronically uremic mice. Gallimore B, et al. **Nephron** 1986;43(4):283–9

STANDARDS

Experience with pyrogen contamination of large–volume parenteral solutions [letter] Stansfield S. **Am J Infect Control** 1985 Oct;13(5):240

Bacteriologic contamination of intravenous infusion delivery systems in an intensive care unit. Quercia RA, et al. **Am J Med** 1986 Mar;80(3):364–8

Replication of fungi in K–Sol corneal preservation medium at 4 degrees C. Saggau DD, et al. **Arch Ophthalmol** 1986 Sep;104(9):1362–3

An aid to patient protection and early action in cases of contaminated surgical solutions. Brown DC, et al. **J Am Intraocul Implant Soc** 1985 Sep;11(5):495

Particulate contamination of Australian ampoules. Gillies IR, et al. **J Pharm Pharmacol** 1986 Feb;38(2):87–92

[Results of the first 6 months' experience in the monitoring of the sterility of injectable solutions] Pappalardo G. **Rev Med Suisse Romande** 1986 Feb;106(2):163–71 (Fre)

SOLVENTS

Inhalant abuse and heroin addiction: a comparative study on 574 opiate addicts with and without a history of sniffing. Altenkirch H, et al. **Addict Behav** 1986;11(2):93–104

The permeation of multi–component liquids through new and pre–exposed glove materials. Forsberg K, et al. **Am Ind Hyg Assoc J** 1986 Mar;47(3):189–93

Partitioning in aqueous two–phase systems: an overview. Walter H, et al. **Anal Biochem** 1986 Jun;155(2):215–42 (264 ref.)

Solvent suppression in high–resolution proton nuclear magnetic resonance based on control of transverse relaxation rate. Eads TM, et al. **Anal Chem** 1986 Jul; 58(8):1752–6

Terpene cyclase catalysis in organic solvent/minimal water media: demonstration and optimization of (+)–alpha–pinene cyclase activity. Wheeler CJ, et al. **Arch Biochem Biophys** 1986 Jul;248(1):429–34

Volatile substance abuse: a review of possible long–term neurological, intellectual and psychiatric sequelae. Ron MA. **Br J Psychiatry** 1986 Mar;148:235–46 (69 ref.)

Characteristics of Native American users of inhalants. Wingert JL, et al. **Int J Addict** 1985 Oct;20(10):1575–82

Sodium hypochlorite as a tissue solubilizing agent compatible with liquid scintillation counting. Puchalski RF, et al. **Int J Appl Radiat Isot** 1985 Jul;36(7):543–6

The role of solvent polarity in the free energy of transfer of amino acid side chains from water to organic solvents. Damodaran S, et al. **J Biol Chem** 1986 Jun 5;261(16):7220–2

Effects of organic co–solvents on the oxygen equilibrium of N–ethylmaleimide–treated human haemoglobin. Cordone L, et al. **J Mol Biol** 1986 May 20;189(2):353–9

Effect of organic co–solvents on the dimer/tetramer equilibrium of human haemoglobin. Cupane A, et al. **J Mol Biol** 1986 May 20;189(2):343–51

Deacylation of myelin proteolipid protein in organic solvents. Bizzozero OA, et al. **J Neurosci Res** 1985;14(2):197–205

Lysis of human red blood cells in the presence of various cosolvents. II. The effect of differing NaCl concentrations. Reed KW, et al. **J Parenter Sci Technol** 1986 May–Jun; 40(3):88–94

Solvent use in North America: aspects of epidemiology, prevention and treatment. Smart RG. **J Psychoactive Drugs** 1986 Apr–Jun;18(2):87–96

Changing trends in solvent abuse in the north–east of Scotland. Anderson FR, et al. **J R Coll Gen Pract** 1985 Oct;35(279):476–7

Sniffing up trouble: adhesive tape remover pads [letter] Zipp JM. **JAMA** 1986 Jul 4;256(1):39–40

Progress report from the Medical College of Virginia: abused solvents. Balster RL. **Natl Inst Drug Abuse Res Monogr Ser** 1986;67:82–92

Reactivity and activation of dioxygen–derived species in aprotic media (a model matrix for biomembranes). Sawyer DT, et al. **Philos Trans R Soc Lond [Biol]** 1985 Dec 17; 311(1152):483–503

[Research on a substitute for ether as a solvent of sticking plasters] Laurençon F, et al. **Ann Pharm Fr** 1985;43(1):7–14 (Eng. Abstr.) (Fre)

[Inhalants: solvent–containing products as intoxicating and addictive drugs] Altenkirch H. **Schriftenr Ver Wasser Boden Lufthyg** 1985;65:481–92 (Ger)

ADMINISTRATION & DOSAGE

In vitro dissolution of cholesterol gallstones. A study of factors influencing rate and a comparison of solvents. Allen MJ, et al. **Gastroenterology** 1985 Nov;89(5):1097–103

[Transcutaneous chemical cholelithclysis with methyl tert–butyl ether (MTBE). Ist results in man] Juliani G, et al. **Radiol Med (Torino)** 1985 Sep;71(9):569–74 (Eng. Abstr.) (Ita)

ADVERSE EFFECTS

Vibratory perception thresholds in shipyard workers exposed to solvents. Halonen P, et al. **Acta Neurol Scand** 1986 Jun; 73(6):561–5

Permeation of chemical protective clothing by three binary solvent mixtures. Mickelsen RL, et al. **Am Ind Hyg Assoc J** 1986 Apr;47(4):236–40

Complications of organic solvents in synthetic drug application. Berman IJ, et al. **Am J Clin Oncol** 1986 Apr; 9(2):173–6

The industrial use of solvents and risk of neurotoxicity. De Rosa E, et al. **Ann Occup Hyg** 1985;29(3):391–7

Solvent exposure of workers during printing ink manufacture. Winchester RV. **Ann Occup Hyg** 1985;29(4):517–9

Chronic and acute effects of solvents on central nervous system functions in floorlayers. Ekberg K, et al. **Br J Ind Med** 1986 Feb;43(2):101–6

Hepatotoxicity of organic solvents [letter] Franco G, et al. **Br J Ind Med** 1986 Feb;43(2):139

Normal serum activities of liver enzymes in Swedish paint industry workers with heavy exposure to organic solvents. Lundberg I, et al. **Br J Ind Med** 1985 Sep;42(9):596–600

Behavioural evaluation of workers exposed to mixtures of organic solvents. Maizlish NA, et al. **Br J Ind Med** 1985 Sep;42(9):579–90

Solvents and the brain [editorial] Waldron HA. **Br J Ind Med** 1986 Feb;43(2):73–4

Regional cerebral blood flow and verbal memory after chronic exposure to organic solvents. Maximilian VA, et al. **Brain Cogn** 1982 Apr;1(2):196–205

Organic solvent exposure in small scale industries in north–east Japan. Ikeda M, et al. **Ind Health** 1985; 23(3):181–9

Lymphocyte subpopulations in solvent–exposed workers. Denkhaus W, et al. **Int Arch Occup Environ Health** 1986; 57(2):109–15

Serum bile acid concentrations as a liver function test in workers occupationally exposed to organic solvents. Franco G, et al. **Int Arch Occup Environ Health** 1986; 58(2):157–64

Brain–stem response audiometry and electronystagmographic findings in chronic toxic encephalopathy (chronic painter's syndrome). Poulsen P, et al. **J Laryngol Otol** 1986 Feb; 100(2):155–6

Glomerulonephritis and organic solvents [letter] Van Ganse W, et al. **Lancet** 1985 Nov 16;2(8464):1126–7

Long–term health effects of industrial solvents—a critical review of the epidemiological research. Hogstedt C, et al. **Med Lav** 1986 Jan–Feb;77(1):11–22 (63 ref.)

Importance of proper protective clothing during cleanup of a hazardous–waste site—Pennsylvania. **MMWR** 1986 Jul 11;35(27):434–5

Biological monitoring of workers exposed to organic solvents—past and present. Angerer J. **Scand J Work Environ Health** 1985;11 Suppl 1:45–52 (42 ref.)

Response of solvent–exposed printers and unexposed controls to six–hour toluene exposure. Baelum J, et al. **Scand J Work Environ Health** 1985 Aug;11(4):271–80

Use of behavioral performance tests in the assessment of solvent toxicity. Gamberale F. **Scand J Work Environ Health** 1985;11 Suppl 1:65–74 (58 ref.)

Air contamination exposure measurements of organic solvents—past and present. Guillemin MP. **Scand J Work Environ Health** 1985;11 Suppl 1:33–43 (69 ref.)

Kidney disorders and hematotoxicity from organic solvent exposure. Lauwerys R, et al. **Scand J Work Environ Health** 1985;11 Suppl 1:83–90 (64 ref.)

Neurophysiological aspects of the toxicity of organic solvents. Seppäläinen AM. **Scand J Work Environ Health** 1985;11 Suppl 1:61–4

Organic solvent neurotoxicity. Facts and research needs. Spencer PS, et al. **Scand J Work Environ Health** 1985;11 Suppl 1:53–60 (59 ref.)

Organic solvents and presenile dementia (the painters' syndrome). A critical review of the Danish literature. Errebo–Knudsen EO, et al. **Sci Total Environ** 1986 Jan; 48(1–2):45–67 (30 ref.)

Neuropsychological assessment [letter] Drucker F. **West J Med** 1986 May;144(5):614–5

[The organic solvents syndrome (letter)] Errebo–Knudsen EO, et al. **Ugeskr Laeger** 1986 Mar 24;148(13):804–5 (Dan)

[Industrial solvents and glomerulopathies. A new class of occupational diseases?] Van Ganse W, et al. **Arch Belg** 1985; 43(3–4):156–67 (Eng. Abstr.) (Fre)

[Dyschromatopsia in subjects occupationally exposed to organic solvents] Blain L, et al. **J Fr Ophtalmol** 1986; 9(2):127–33 (Eng. Abstr.) (Fre)

[Exposure to solvents: clinical and biological criteria] Boillat MA. **Ther Umsch** 1985 Sep;42(9):603–7 (Eng. Abstr.) (Fre)

[Respiratory pathology caused by exposure to solvents in the shoe industry: description of 3 clinical cases] Paggiaro P, et al. **G Ital Med Lav** 1985 Jul;7(4):149–52 (Eng. Abstr.) (Ita)

[Exposure to solvents in shoe and leather factories] Cresci A, et al. **Nuovi Ann Ig Microbiol** 1985 Jan–Feb;36(1):61–76 (Eng. Abstr.) (Ita)

[Leukocytosis induced by BH–AC administration—allergic reaction to Casteo oil HCO–60. A case report] Ohta S, et al. **Rinsho Ketsueki** 1985 Apr;26(4):555–9 (Eng. Abstr.)

(Jpn)

[Evaluation of the protective effect of simple masks for organic solvent workers] Umeda M, et al. **Sangyo Igaku** 1985 Jul;27(4):256–7 (Jpn)

[Cytochemical evaluation of the lysosomes of blood lymphocytes in workers subjected to organic solvent exposure] Moszczyński P. **Gig Tr Prof Zabol** 1985 Aug; (8):13–6 (Eng. Abstr.) (Rus)

[A prospective psychometric study: patients with organic psychotic syndromes induced by solvents] Orbaek P, et al. **Lakartidningen** 1986 Aug 6;83(32–33):2647–51 (Swe)

[Glomerulonephritis and organic solvents] Ravnskov U. **Lakartidningen** 1986 Mar 19;83(12):1080–1, 1083 (Swe)

ANALYSIS

Engineering design of solvent recovery and air treatment plants. Cargill JD, et al. **Ann Occup Hyg** 1986;30(2):249–56

Urine/air partition coefficients for some industrially important substances. Imbriani M, et al. **G Ital Med Lav** 1985 Jul;7(4):133–40

Stoichiometric displacement of solvent by non-polar solutes in reversed-phase liquid chromatography. Geng X, et al. **J Chromatogr** 1985 Sep 20;332:147–68

Chromatographic alarm system for aqueous and organic solvents. Sloan HR, et al. **J Chromatogr** 1986 Jan 31; 351(3):518–21

Occupational exposure monitoring using breath analysis. Droz PO, et al. **J Occup Med** 1986 Aug;28(8):593–602

Biological monitoring of chlorinated hydrocarbon solvents. Monster AC. **J Occup Med** 1986 Aug;28(8):583–8

[Investigation of the exposure to solvents in leather goods workers in the Florence area] Bavazzano P, et al. **G Ital Med Lav** 1985 Jul;7(4):153–6 (Eng. Abstr.) (Ita)

ISOLATION & PURIFICATION

[Storage stability of adsorbed organic solvents on charcoal tubes] Ashida T, et al. **Sangyo Igaku** 1985 Mar;27(2):114–5 (Jpn)

[A new sampling tube using charcoal and silica gel mixture for measurement of organic solvents] Ashida T, et al. **Sangyo Igaku** 1985 Mar;27(2):112–3 (Jpn)

METABOLISM

In vivo percutaneous absorption studies of volatile solvents in hairless mice. I. Description of a skin-depot. Susten AS, et al. **J Appl Toxicol** 1986 Feb;6(1):43–6

Biotransformation of halogenated solvents. Anders MW, et al. **Scand J Work Environ Health** 1985;11 Suppl 1:23–32 (82 ref.)

Toxicokinetics of organic solvents. Fiserova-Bergerova V. **Scand J Work Environ Health** 1985;11 Suppl 1:7–21 (104 ref.)

[Indices of biological monitoring, with special reference to urinalysis of metabolites of organic solvents] Ogata M. **Sangyo Igaku** 1985 Jul;27(4):229–41 (Eng. Abstr.) (Jpn)

PHARMACODYNAMICS

Effect of general anaesthetics and organic solvents on alpha 1-adrenoceptors in the myometrium. Wikberg JE, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Jul;57(1):53–9

Effects of organic solvents on erythrocyte membrane acetylcholine esterase activity. Korpela M, et al. **Arch Toxicol [Suppl]** 1985;8:148–51

Solvent interactions with N, N-dialkylnicotinamides and their effects on rotational barriers. Bean JW, et al. **Biochem Pharmacol** 1986 Mar 15;35(6):1011–7

Effects of organic solvent vehicles on benzo[a]pyrene metabolism in rabbit lung microsomes. Kontir DM, et al. **Biochem Pharmacol** 1986 Aug 1;35(15):2569–75

Autonomic reflexes and the cardiovascular effects of propylene glycol. Al-Khudhairi D, et al. **Br J Anaesth** 1986 Aug;58(8):897–902

Influence of organic solvent mixtures on biological membranes. Gustafson C, et al. **Br J Ind Med** 1985 Sep; 42(9):591–5

Effect of acetone on the toxicity of four chemicals to Selenastrum capricornutum. Adams N, et al. **Bull Environ Contam Toxicol** 1986 Feb;36(2):254–9

The effects of three polar organic solvents on capping of surface immunoglobulin of mouse lymphocytes. Filosa MF, et al. **Cell Mol Biol** 1986;32(2):153–6

In vitro gallstone dissolution [letter] Leuschner U. **Gastroenterology** 1986 Oct;91(4):1035

Aneuploidy-inducing chemicals in yeast evaluated by the micronucleus test. Basler A. **Mutat Res** 1986 May; 174(1):11–3

Mutagenicity of selected organic solvents. Vainio H, et al. **Scand J Work Environ Health** 1985;11 Suppl 1:75–82 (47 ref.)

[Action of glycerolformal on the cardiovascular system] Cheav SL, et al. **Ann Pharm Fr** 1985;43(5):491–503 (Eng. Abstr.) (Fre)

[Role of lipids in the sensitivity and variability of Candida tropicalis D-2 cells to the action of N-methyl-N'-nitro-N-nitrosoguanidine in different solvents] Danilenko II, et al. **Izv Akad Nauk SSSR [Biol]** 1986 Jan-Feb;(1):134–8 (Eng. Abstr.) (Rus)

POISONING

Renal effects of chronic exposure to organic solvents. A clinical controlled trial. Krusell L, et al. **Acta Med Scand** 1985;218(3):323–7

Toxicity in man due to stain removers containing 1,2-dichloropropane. Pozzi C, et al. **Br J Ind Med** 1985 Nov;42(11):770–2

Neuropsychological methods in the differentiation of organic solvent intoxication from certain neurological conditions. Eskelinen L, et al. **J Clin Exp Neuropsychol** 1986 Jun; 8(3):239–56

Autonomic nervous system dysfunction in workers exposed to organic solvents. Matikainen E, et al. **J Neurol Neurosurg Psychiatry** 1985 Oct;48(10):1021–4

Solvent neurotoxicity: the current evidence. Baker EL, et al. **J Occup Med** 1986 Feb;28(2):126–9 (41 ref.)

Organic solvent-induced encephalopathy in industrial painters. Linz DH, et al. **J Occup Med** 1986 Feb; 28(2):119–25

State-dependent learning during chronic trichloroethylene exposure [letter] Gade A, et al. **Scand J Work Environ Health** 1985 Dec;11(6):495–7

Mortality and cancer incidence among Swedish paint industry workers with long-term exposure to organic solvents. Lundberg I. **Scand J Work Environ Health** 1986 Apr;12(2):108–13

Effects of long-term exposure to solvents in the paint industry. A cross-sectional epidemiologic study with clinical and laboratory methods. Orbaek P, et al. **Scand J Work Environ Health** 1985;11 Suppl 2:1–28

[Infertility in Danish painters exposed to organic solvents] Bjerrehuus T, et al. **Ugeskr Laeger** 1986 Apr 28; 148(18):1105–6 (Eng. Abstr.) (Dan)

[Occupational toxic encephalopathy. Follow-up studies of case material from a clinic for occupational medicine] Lauritsen J, et al. **Ugeskr Laeger** 1985 Nov 11; 147(46):3727–33 (Eng. Abstr.) (Dan)

[Health risks involving metals decreasing with chlorinated solvents. A cross-sectional study] Rasmussen K, et al. **Ugeskr Laeger** 1985 Nov 11;147(46):3721–7 (Eng. Abstr.) (Dan)

[Acute polyneuropathy after inhalation of solvent mixtures (letter)] Triebig G. **Dtsch Med Wochenschr** 1985 Oct 11; 110(41):1593–4 (Ger)

[Polyneuropathy caused by n-hexane used under the commercial name of "benzine"] Nakajima T, et al. **Sangyo Igaku** 1985 Sep;27(5):340–1 (Jpn)

[Toxic effects of solvents. An occupational medical and neuropsychological study of workers exposed to solvents in a loudspeaker factory] Storstein J, et al. **Tidsskr Nor Laegeforen** 1986 May 20;106(13):1132–5 (Nor)

THERAPEUTIC USE

Monooctanoin use for gallstone dissolution. Abate MA, et al. **Drug Intell Clin Pharm** 1985 Oct;19(10):708–13 (47 ref.)

Dissolution of cholesterol gallstones: comparison of solvents. Lee LL, et al. **Gastrointest Radiol** 1986;11(2):169–71

Intraductal mono-octanoin for the direct dissolution of bile duct stones: experience in 343 patients. Palmer KR, et al. **Gut** 1986 Feb;27(2):196–202

[Combination of monooctanoin and cicloxilic acid in treating secondary choledochal calculi. Preliminary data] Pozzoli M, et al. **Minerva Med** 1986 Mar 24;77(12):487–8 (Ita)

[Rapid dissolution of residual biliary calculi with tert-butyl methyl ether. Preliminary data] Tritapepe R, et al. **Minerva Med** 1986 Mar 24;77(12):483–5 (Ita)

TOXICITY

Effects of solvent exposure on testosterone levels and butyrylcholinesterase activity in mice. Kjellstrand P, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Oct;57(4):242–9

The neurotoxicity of industrial solvents: a review of the literature. Baker EL Jr, et al. **Am J Ind Med** 1985; 8(3):207–17 (65 ref.)

Acquired intolerance to organic solvents and results of vestibular testing. Gyntelberg F, et al. **Am J Ind Med** 1986; 9(4):363–70

Relative hepatotoxicity of some industrial solvents after intraperitoneal injection or inhalation exposure in rats. Lundberg I, et al. **Environ Res** 1986 Aug;40(2):411–20

Developmental toxicity of diethylene glycol monomethyl ether (diEGME). Hardin BD, et al. **Fundam Appl Toxicol** 1986 Apr;6(3):430–9

Subchronic inhalation toxicity of methyl isoamyl ketone in rats. Katz GV, et al. **Fundam Appl Toxicol** 1986 Apr; 6(3):498–505

Respiratory measurements of occupational exposure to industrial solvents. Pezzagno G, et al. **G Ital Med Lav** 1985 Jan;7(1):17–34

Experimental study of combined effect of solvents and noise. Kurnayeva VP, et al. **J Hyg Epidemiol Microbiol Immunol** 1986;30(1):49–56

Proceedings of the International Conference on Organic Solvent Toxicity. Stockholm, 15–17 October 1984. **Scand J Work Environ Health** 1985;11 Suppl 1:1–103

Isoparaffinic solvent-induced nephrotoxicity in the rat. Viau C, et al. **Toxicology** 1986 Feb;38(2):227–40

The sensitizing potential of primary amyl acetate in the guinea pig. Ballantyne B, et al. **Vet Hum Toxicol** 1986 Jun; 28(3):213–5

[Toxicological and hygienic characteristics of benzyl acetate] Fursova TN. **Gig Sanit** 1985 Jul;(7):17–9 (Rus)

SOMAN

[Hydrolysis of soman and paraoxon by catalase] Liu CL, et al. **Chung Kuo Yao Li Hsueh Pao** 1985 Sep;6(3):207–9 (Eng. Abstr.) (Chi)

ADMINISTRATION & DOSAGE

Change in atropine dose effect curve after subacute soman administration. Modrow HE, et al. **Pharmacol Biochem Behav** 1986 Apr;24(4):845–8

ANALOGS & DERIVATIVES

Prophylactic and therapeutic efficacy of the soman-simulator, pinacolyl dimethylphosphinate. Van Helden HP, et al. **J Pharm Pharmacol** 1986 Jun; 38(6):439–45

Residual behavioral incapacitation after therapy of soman intoxication: the effect of a soman simulator. Wolthuis OL, et al. **Neurobehav Toxicol Teratol** 1986 Mar-Apr; 8(2):127–30

ANTAGONISTS & INHIBITORS

Yohimbine antagonism of the vasodepression elicited by organophosphates applied on ventral medulla oblongata. Edery H, et al. **J Auton Nerv Syst** 1985 Nov;14(3):229–38

Effects of HI-6 and pralidoxime on neuronal RNA in thalamic cholinergic sites. Martin LJ, et al. **J Neurol Sci** 1985 Nov;71(1):1–8

The prophylactic efficacy of various simulators against intoxication with the organophosphate soman: structure-activity studies. van Helden HP, et al. **J Pharm Pharmacol** 1986 Jan;38(1):19–23

Effect of HI-6, applied into the cerebral ventricles, on the inhibition of brain acetylcholinesterase by soman in rats. Sket D, et al. **Neuropharmacology** 1986 Jan;25(1):103–7

BLOOD

Stabilization and gas chromatographic analysis of the four stereoisomers of 1,2,2-trimethylpropyl methylphosphonofluoridate (soman) in rat blood. Benschop HP, et al. **Anal Biochem** 1985 Dec;151(2):242–53

In vitro detoxification of soman in human plasma. De Bisschop HC, et al. **Fundam Appl Toxicol** 1985 Dec;5(6 Pt 2):S175–9

METABOLISM

Distribution of 3H-soman in mice. Kadar T, et al. **Arch Toxicol** 1985 Oct;58(1):45–9

Distribution and elimination of the stereoisomers of soman and their effect on brain acetylcholine. Nordgren I, et al. **Fundam Appl Toxicol** 1985 Dec;5(6 Pt 2):S252–9

In vivo distribution of 14C radiolabeled soman [3,3-dimethyl-2-butoxy)-methylphosphorylfluoride) in the central nervous system of the rat. Traub K. **Neurosci Lett** 1985 Sep 30;60(2):219–25

[Inactivation of soman by beta-cyclodextrin] Saint-André S, et al. **C R Acad Sci [III]** 1985;301(3):67–72 (Eng. Abstr.) (Fre)

PHARMACODYNAMICS

Sarin and soman depress [3H]acetylcholine secretion in guinea-pig ileum myenteric plexus. Alberts P, et al. **Acta Physiol Scand** 1985 Oct;125(2):347–8

Influence of atropine upon ageing and reactivation of soman inhibited acetylcholinesterase from human erythrocytes. Preliminary communication. Kuhnen H, et al. **Arzneimittelforschung** 1985;35(9):1454–6

In vitro effects of soman on bronchial smooth muscle. Aas P, et al. **Biochem Pharmacol** 1986 Jun 1;35(11):1793–9

Organophosphate-mediated inhibition of choline acetyltransferase activity in rat brain tissue. Thompson TL, et al. **Experientia** 1985 Nov 15;41(11):1437–8

Application of response surface methods for evaluating the interactions of soman, atropine, and pralidioxime chloride. Carter WH Jr, et al. **Fundam Appl Toxicol** 1985 Dec;5(6 Pt 2):S232–41

Nonquaternary cholinesterase reactivators. 4. Dialkylaminoalkyl thioesters of alpha-keto thiohydroximic acids as reactivators of ethyl methylphosphonyl- and 1,2,2-trimethylpropyl methylphosphonyl-acetylcholinesterase in vitro. Bedford CD, et al. **J Med Chem** 1986 Sep;29(9):1689–96

Acute effects of soman, sarin, and tabun on microsomal and cytosolic components of the calmodulin system in rat striatum. Hoskins B, et al. **J Neurochem** 1986 Jan; 46(1):265–9

Effect of soman on schedule-controlled behavior and brain acetylcholinesterase in rats. Brezenoff HE, et al. **Life Sci** 1985 Dec 23;37(25):2421–30

Behavioral correlates of soman-induced neuropathology: deficits in DRL acquisition. McDonough JH Jr, et al. **Neurobehav Toxicol Teratol** 1986 Mar-Apr;8(2):179–87

Dissociation of locomotor depression and ChE activity after DFP, soman and sarin. Lynch MR, et al. **Pharmacol Biochem Behav** 1986 Apr;24(4):941–7

[Effect of soman on the medullary cardiovascular center of the cat and its relation to cholinergic receptors] Xie XP,

et al. **Chung Kuo Yao Li Hsueh Pao** 1985 Jun;6(2):87–90 (Eng. Abstr.) **(Chi)**

[Effects of soman and morphine on the phrenic and external intercostal nerve discharges of the cat] Huang WX, et al. **Sheng Li Hsueh Pao** 1985 Apr;37(2):191–8 (Eng. Abstr.) **(Chi)**

POISONING

Assessing pyridostigmine efficacy by response surface modeling. Jones DE, et al. **Fundam Appl Toxicol** 1985 Dec; 5(6 Pt 2):S242–51

Treatment of poisoning by soman. Leadbeater L, et al. **Fundam Appl Toxicol** 1985 Dec;5(6 Pt 2):S225–31

Soman intoxication and the blood–brain barrier. Sellström A, et al. **Fundam Appl Toxicol** 1985 Dec;5(6 Pt 2):S122–6

TOXICITY

Esterase activities and soman toxicity in developing rat. Sterri SH, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Aug; 57(2):136–40

Electrophysiologic changes in peripheral nerve following repeated exposure to organophosphorus agents. Anderson RJ, et al. **Arch Toxicol** 1985 Dec;58(2):97–101

Adrenocortical metabolism and plasma corticosterone in soman intoxicated rabbits. Doebler JA, et al. **Experientia** 1985 Sep 15;41(9):1145–7

Quantitative cytophotometric analyses of mesenteric mast cell granulation in acute soman intoxicated rats. Doebler JA, et al. **Experientia** 1985 Nov 15;41(11):1457–8

Unexpected synergism between an alkylating analog of oxotremorine and soman. Jenden DJ, et al. **Fundam Appl Toxicol** 1985 Dec;5(6 Pt 2):S78–83

Can soman cause delayed neuropathy? Johnson MK, et al. **Fundam Appl Toxicol** 1985 Dec;5(6 Pt 2):S180–1

The protective effect of oxime pretreatment upon the inhalative toxicity of sarin and soman in rats. Schoene K, et al. **Fundam Appl Toxicol** 1985 Dec;5(6 Pt 2):S84–8

Neurotoxic changes in cat neurohypophysis after single and multiple exposures to diisopropylfluorophosphate and soman. Sikora–VanMeter KC, et al. **Fundam Appl Toxicol** 1985 Dec;5(6 Pt 1):1087–96

Prophylactic and therapeutic efficacy of the soman–simulator, pinacolyl dimethylphosphinate. Van Helden HP, et al. **J Pharm Pharmacol** 1986 Jun; 38(6):439–45

Organophosphate–induced histamine release from mast cells. Newball HH, et al. **J Pharmacol Exp Ther** 1986 Sep; 238(3):839–45

Hypersensitivity to antimuscarinic agents following brief exposure to Soman and Sarin. Fernando JC, et al. **J Toxicol Environ Health** 1986;18(1):103–9

Acute effects of Soman, Sarin, and Tabun on cyclic nucleotide metabolism in rat striatum. Liu DD, et al. **J Toxicol Environ Health** 1986;19(1):23–32

Residual behavioral incapacitation after therapy of soman intoxication: the effect of a soman simulator. Wolthuis OL, et al. **Neurobehav Toxicol Teratol** 1986 Mar–Apr; 8(2):127–30

Soman–induced brain lesions demonstrated by muscarinic receptor autoradiography. Churchill L, et al. **Neurotoxicology** 1985 Fall;6(3):81–90

Delayed effects of Soman: brain glucose use and pathology. Pazdernik TL, et al. **Neurotoxicology** 1985 Fall;6(3):61–70

Neurobehavioral effects of repeated sublethal soman in primates. Gause EM, et al. **Pharmacol Biochem Behav** 1985 Dec;23(6):1003–12

Effects of subchronic administration of soman on acquisition of avoidance–escape behavior by laboratory rats. Geller I, et al. **Pharmacol Biochem Behav** 1985 Aug;23(2):225–30

Relationship between the neurotoxicities of Soman, Sarin and Tabun, and acetylcholinesterase inhibition. Hoskins B, et al. **Toxicol Lett** 1986 Feb;30(2):121–9

The effects of soman, in vivo and in vitro, on aldolase activity. Lenz DE, et al. **Toxicol Lett** 1985 Nov; 28(2–3):105–10

SOMATIC CELL HYBRIDS see **HYBRID CELLS**

SOMATIZATION DISORDER see **SOMATOFORM DISORDERS**

SOMATOFORM DISORDERS

A clinical approach to the somatizing patient. Smith RC. **J Fam Pract** 1985 Oct;21(4):294–301 (48 ref.)

Somatization disorder. One of medicine's blind spots. Quill TE. **JAMA** 1985 Dec 6;254(21):3075–9

COMPLICATIONS

Characterizing somatization, hypochondriasis, and hysteria in the borderline personality disorder. Snyder S, et al. **Acta Psychiatr Scand** 1986 Mar;73(3):307–14

The relationship of histrionic personality disorder to antisocial personality and somatization disorders. Lilienfeld SO, et al. **Am J Psychiatry** 1986 Jun;143(6):718–22

Polysymptomatic complaints and Briquet's syndrome in polycystic ovary disease. Orenstein H, et al. **Am J Psychiatry** 1986 Jun;143(6):768–71

DIAGNOSIS

A prospective follow–up and family study of somatization in men and women. Cloninger CR, et al. **Am J Psychiatry** 1986 Jul;143(7):873–8

Is Briquet's syndrome a heterogeneous disorder? Liskow B, et al. **Am J Psychiatry** 1986 May;143(5):626–9

DSM–III and Indian psychiatry [letter] Srinivasan K, et al. **Am J Psychiatry** 1986 Mar;143(3):398

Environmental illness and patients with multiple unexplained symptoms [letter] **Arch Intern Med** 1986 Jul;146(7):1447–8, 1450

Patients with multiple unexplained symptoms. Their characteristics, functional health, and health care utilization. Smith GR Jr, et al. **Arch Intern Med** 1986 Jan; 146(1):69–72

Depression and hypochondriasis in family practice patients with somatization disorder. Oxman TE, et al. **Gen Hosp Psychiatry** 1985 Oct;7(4):321–9

Multiple somatic complaints and possible somatization disorder in prepubertal children. Livingston R, et al. **J Am Acad Child Psychiatry** 1985 Sep;24(5):603–7

Somatization in primary care [editorial] Katon W. **J Fam Pract** 1985 Oct;21(4):257–8

Dimensions of anxiety: relevance in medical practice. Rao VN, et al. **J Indian Med Assoc** 1985 Apr;83(4):115–7

Somatic presentation of DSM III psychiatric disorders in primary care. Bridges KW, et al. **J Psychosom Res** 1985; 29(6):563–9

Psychiatric syndromes with a somatic presentation. Lloyd GG. **J Psychosom Res** 1986;30(2):113–20

Presenting problem and depression in a rural family practice. Yates WR, et al. **Nebr Med J** 1985 Oct;70(10):367–9

Psychiatric disorders presenting as neurologic illness. Weiss KJ. **NJ Med** 1986 May;83(5):315–8

Functional somatic disorders. Key diagnostic features. Maue FR. **Postgrad Med** 1986 Feb 1;79(2):201–10

Is it organic or is it functional. Is it hysteria or malingering? Stevens H. **Psychiatr Clin North Am** 1986 Jun;9(2):241–54

Abnormal illness behaviour in young women in a primary care setting: is Briquet's syndrome a useful category? Deighton CM, et al. **Psychol Med** 1985 Aug;15(3):515–20

Psychological deviance in children attending general practice. Garralda ME, et al. **Psychol Med** 1986 May; 16(2):423–9

Persistent psychophysiologic (learned) insomnia. Hauri P, et al. **Sleep** 1986;9(1):38–53

[Atypical facial neuralgia or depressive facial pain. Diagnostic aspects of a well–demarcated form of masked depression] Lehmann HJ, et al. **Fortschr Neurol Psychiatr** 1986 May;54(5):154–7 (Eng. Abstr.) **(Ger)**

[Depressive syndrome with special reference to masked depression] Schmauss M, et al. **Internist (Berlin)** 1986 Mar; 27(3):201–5 **(Ger)**

DRUG THERAPY

Forms of atypical depression and their response to antidepressant drugs. Davidson J, et al. **Psychiatry Res** 1986 Feb;17(2):87–95

ETIOLOGY

A comparison of somatic complaints among depressed and non–depressed older persons. Waxman HM, et al. **Gerontologist** 1985 Oct;25(5):501–7

[Cardiac neurosis, an ill–defined syndrome: proposal for a nosographic classification] Masini V. **Cardiologia** 1985 Feb; 30(2):67–71 **(Ita)**

FAMILIAL & GENETIC

Genetics of somatoform disorders. Torgersen S. **Arch Gen Psychiatry** 1986 May;43(5):502–5

Symptom patterns and causes of somatization in men: II. Genetic and environmental independence from somatization in women. Cloninger CR, et al. **Genet Epidemiol** 1986;3(3):171–85

HISTORY

Whose hysteria: Briquet's, Janet's or Freud's? Meares R, et al. **Aust NZ J Psychiatry** 1985 Sep;19(3):256–63

OCCURRENCE

A cross sectional study of somatic complaints of Nigerian females using the Enugu Somatization Scale. Ebigbo PO. **Cult Med Psychiatry** 1986 Jun;10(2):167–86

PHYSIOPATHOLOGY

A neurophysiological study of somatization disorder. Gordon E, et al. **Compr Psychiatry** 1986 Jul–Aug;27(4):295–301

PSYCHOLOGY

Somatic symptoms of anxiety: comparison of self–report and physiological measures. McLeod DR, et al. **Biol Psychiatry** 1986 Mar;21(3):301–10

Parental breakdown associated with somatisation disorder (hysteria). Zoccolillo M, et al. **Br J Psychiatry** 1985 Oct; 147:443–6

Somatization disorder: psychologic symptoms, social disability, and diagnosis. Zoccolillo M, et al. **Compr Psychiatry** 1986 Jan–Feb;27(1):65–73

Pain as a symptom in elderly depressed patients. Relationship to diagnostic subgroups. Magni G, et al. **Eur Arch Psychiatry Neurol Sci** 1985;235(3):143–5

Symptom patterns and causes of somatization in men: I. Differentiation of two discrete disorders. Sigvardsson S, et al. **Genet Epidemiol** 1986;3(3):153–69

Post–traumatic headache patients. II: Special problems, perceptions, and service needs. Barnat MR. **Headache** 1986 Jul;26(7):332–8

Somatoform disorders. Symptoms and psychiatric implications. Cohen SI. **Hosp Pract [Off]** 1986 Jun 15; 21(6):165–8, 172, 177 passim

Hypochondrias, somatic delusion and body scheme in psychoanalytic practice. Rosenfeld D. **Int J Psychoanal** 1984;65 (Pt 4):377–87

Neurovegetative symptoms in chronic pain and depression. Davidson J, et al. **J Affective Disord** 1985 Nov;9(3):213–8

Effects of response styles on the report of psychological and somatic distress. Linden W, et al. **J Consult Clin Psychol** 1986 Jun;54(3):309–13

Appraisal, coping, health status, and psychological symptoms. Folkman S, et al. **J Pers Soc Psychol** 1986 Mar; 50(3):571–9

Chronic idiopathic pain disorder. Chaturvedi SK. **J Psychosom Res** 1986;30(2):199–203

Neurosis and conscious symptom exaggeration: its differentiation by the Illness Behaviour Questionnaire. Clayer JR, et al. **J Psychosom Res** 1984;28(3):237–41

Micropsia: Lilliput revisited [letter] Schneck JM. **NY State J Med** 1986 Jun;86(6):321

'AIDS anxiety'. New faces for old fears. Frolkis JP. **Postgrad Med** 1986 May 1;79(6):265–6, 268–70, 275–6

The somatizing disorders. Ford CV. **Psychosomatics** 1986 May;27(5):327–31, 335–7 (49 ref.)

Differentiation of back pain patients using a pain questionnaire. Rydén O, et al. **Scand J Rehabil Med** 1985; 17(4):155–61

Childhood psychologic environmental exposure in women with diagnosed somatoform disorders. A case–control study. Hartvig P, et al. **Scand J Soc Med** 1985;13(4):153–7

A longitudinal study of the reporting of emotional and somatic symptoms during and after pregnancy. Lips HM. **Soc Sci Med** 1985;21(6):631–40

[Psychophysiologic reactivity of patients with functional cardiovascular disorders] Schomecke OW, et al. **Fortschr Med** 1985 Oct 10;103(38):893–5 (Eng. Abstr.) **(Ger)**

[Psychogenic vocalizations] Oberascher G. **Laryngol Rhinol Otol (Stuttg)** 1986 Jun;65(6):357–8 (Eng. Abstr.) **(Ger)**

THERAPY

Treatment outlines for the management of the somatoform disorders. The Quality Assurance Project. **Aust NZ J Psychiatry** 1985 Dec;19(4):397–407

Chronic pain syndrome [letter] Byers G, et al. **Br J Psychiatry** 1986 Apr;148:483–4

Practical applications of the disease–illness distinction model: new concepts in health care delivery through the optimal integration of medical and behavioural sciences. Cott A. **Can J Public Health** 1986 May–Jun;77 Suppl 1:51–8

A 49–year–old clinic for chronically ill somatizers. Ritvo JH, et al. **Hosp Community Psychiatry** 1986 Jun;37(6):631–3

Psychiatric consultation in somatization disorder. A randomized controlled study. Smith GR Jr, et al. **N Engl J Med** 1986 May 29;314(22):1407–13

The fat file syndrome or Briquet revisited. Mitchell AR, et al. **Practitioner** 1986 May;230(1415):461–5

Inpatient unit for combined physical and psychiatric disorders. Young LD, et al. **Psychosomatics** 1986 Jan; 27(1):53–60

Social work in family practice: what are the prospects? Greene GJ, et al. **Soc Work Health Care** 1985 Fall; 11(1):45–62

Caring for the patient with multiple somatic complaints. Lichstein PR. **South Med J** 1986 Mar;79(3):310–4

Excess medical care of women with somatization disorder. Zoccolillo MS, et al. **South Med J** 1986 May;79(5):532–5

[Multidimensional therapy of vasoautonomic disorders] di Pol GP, et al. **Psychiatr Neurol Med Psychol Beih** 1966; 4–5:231–43 **(Ger)**

SOMATOMAMMOTROPIN, CHORIONIC see **PLACENTAL LACTOGEN**

SOMATOMEDINS

Chemical synthesis, cloning, and expression of genes for human somatomedin C (insulin–like growth factor I) and 59Val–somatomedin C. Niwa M, et al. **Ann NY Acad Sci** 1986;469:31–52

(Thr–59)–insulin–like growth factor I stimulates 2–deoxyglucose transport in BC3H1 myocytes through the insulin–like growth factor receptor, not the insulin receptor. Cascieri MA, et al. **Biochim Biophys Acta** 1986 May 29;886(3):491–9

Insulin–like growth factors and insulin: comparative aspects. Froesch ER, et al. **Diabetologia** 1985 Aug;28(8):485–93

Characterization of a specific insulin–like growth factor–I/somatomedin–C receptor on high density, primary monolayer cultures of bovine articular chondrocytes: regulation of receptor concentration by somatomedin, insulin and growth hormone. Watanabe N, et al. **J Endocrinol** 1985 Nov;107(2):275–83

ADMINISTRATION & DOSAGE

Combinations of palytoxin or 12-O-tetradecanoylphorbol-13-acetate and recombinant human insulin growth factor-I or insulin synergistically stimulate prostaglandin production in cultured rat liver cells and squirrel monkey aorta smooth muscle cells. Levine L, et al. **Prostaglandins** 1986 Apr;31(4):669-81

ANALYSIS

Measurement of insulin-like growth factor-II by radioreceptor assay using ovine placental membranes. Baxter RC, et al. **Clin Endocrinol (Oxf)** 1986 Mar; 24(3):267-78

Insulin-like growth factors in vitreous. Studies in control and diabetic subjects with neovascularization. Grant M, et al. **Diabetes** 1986 Apr;35(4):416-20

Relation of kidney tissue somatomedin-C/insulin-like growth factor I to postnephrectomy renal growth in the rat. Stiles AD, et al. **Endocrinology** 1985 Dec; 117(6):2397-401

Elevated concentration of IGF II in brain tissue from an infant with macrencephaly. Schoenle EJ, et al. **J Pediatr** 1986 May;108(5 Pt 1):737-40

Somatomedin C in pathogenesis of malignant exophthalmos of endocrine origin [letter] Hansson HA, et al. **Lancet** 1986 Jan 25;1(8474):218-9

Tissue and plasma somatomedin-C/insulin-like growth factor I concentrations in the human fetus during the first half of gestation. D'Ercole AJ, et al. **Pediatr Res** 1986 Mar; 20(3):253-5

Tissue and serum concentrations of somatomedin-C/insulin-like growth factor I in fetal rats made growth retarded by uterine artery ligation. Vileisis RA, et al. **Pediatr Res** 1986 Feb;20(2):126-30

ANTAGONISTS & INHIBITORS

Toxins and inhibitors in chronic renal failure. Powell D, et al. **Am J Kidney Dis** 1986 Apr;7(4):292-9 (39 ref.)

Covalent cross-linking of insulin-like growth factor-I to a specific inhibitor from human serum. Ooi GT, et al. **Biochem Biophys Res Commun** 1986 May 29;137(1):411-7

Somatomedin inhibitors from diabetic rat serum alter growth and development of mouse embryos in culture. Sadler TW, et al. **Diabetes** 1986 Aug;35(8):861-5

Human plasma fractions inhibit the action of insulin on adipocytes and somatomedin on cartilage. Avasthy N, et al. **Diabetologia** 1986 Jul;29(7):453-6

BIOSYNTHESIS

Somatomedin synthesis by a subclone of Buffalo rat liver cells. Influence of divalent cations on rIGF-II release. Mayer PW, et al. **Acta Endocrinol (Copenh)** 1985 Oct; 110(2):232-8

Evidence indicating trophic importance of IGF-I in regenerating peripheral nerves. Hansson HA, et al. **Acta Physiol Scand** 1986 Apr;126(4):609-14

Delayed appearance of liver growth hormone binding sites and of growth hormone-induced somatomedin production during rat development. Flandez B, et al. **Biochem Biophys Res Commun** 1986 Apr 14;136(1):38-44

Triiodothyronine stimulates the production of insulin-like growth factor (IGF) by fetal hypothalamus cells cultured in serum-free medium. Binoux M, et al. **Brain Res** 1985 Aug;353(2):319-21

Embryonic chick cartilage produces its own somatomedin-like peptide to stimulate cartilage growth in vitro. Burch WM, et al. **Endocrinology** 1986 Sep; 119(3):1370-6

Production of insulin-like growth factors by ovarian granulosa cells. Hammond JM, et al. **Endocrinology** 1985 Dec;117(6):2553-5

Production of insulin-like growth factor-II (MSA) by endoderm-like cells derived from embryonal carcinoma cells: possible mediator of embryonic cell growth. Nagarajan L, et al. **J Cell Physiol** 1985 Aug;124(2):199-206

BLOOD

Insulin-like growth factors (IGF) 1 and 2 in human foetal plasma and relationship to gestational age and foetal size during midpregnancy. Ashton IK, et al. **Acta Endocrinol (Copenh)** 1985 Dec;110(4):558-63

Modulation of immunoreactive somatomedin-C levels by sex steroids. Caufriez A, et al. **Acta Endocrinol (Copenh)** 1986 Jun;112(2):284-9

Effect of bromocriptine treatment on circulating somatomedins in tall adolescents. Evain Brion D, et al. **Acta Paediatr Scand** 1986 Jan;75(1):106-10

The influence of maternal protein deprivation on the developmental pattern of serum immunoreactive insulin-like growth factor 1 (IGF-1) levels. Sara VR, et al. **Acta Physiol Scand** 1986 Mar;126(3):391-5

Growth hormone and somatomedin serum levels in patients with major depressive illness undergoing electroconvulsive therapy. Apéria B, et al. **Acta Psychiatr Scand** 1986 Jun; 73(6):681-7

The somatomedins: insulin-like growth factors. Baxter RC. **Adv Clin Chem** 1986;25:49-115 (361 ref.)

Relationship of somatomedin-C concentration to bone age in boys with constitutional delay of growth. Rubin KR, et al. **Am J Dis Child** 1986 Jun;140(6):555-8

Nonsuppressible insulin-like activity and somatomedin C levels in normal pregnant women, in pregnant women with gestational diabetes, and in umbilical cord blood of mature and premature infants. Samaan NA, et al. **Am J Obstet Gynecol** 1985 Oct 15;153(4):457-61

Growth and somatomedin responses to growth hormone in Down's syndrome. Annerén G, et al. **Arch Dis Child** 1986 Jan;61(1):48-52

Insulin-like growth factor-I in type 2 (non-insulin-dependent) diabetics with myocardial infarction and without macroangiopathy. Järveläinen H, et al. **Atherosclerosis** 1986 Mar;59(3):335-40

Growth-promoting activity of serum throughout pregnancy and at delivery: evaluation by three different bioassays. Bozzola M, et al. **Biol Res Pregnancy Perinatol** 1985; 6(3):137-40

Profile of serum immunoreactive insulin-like growth factor I during gestation in Wistar rats. Sheppard MS, et al. **Can J Physiol Pharmacol** 1986 May;64(5):521-4

Serum concentrations of somatomedins and growth hormone in relation to bone metabolism in acromegaly and thyroid dysfunction. Bijlsma JW, et al. **Clin Exp Rheumatol** 1986 Apr-Jun;4(2):105-10

Raised somatomedin activity in the serum of young boys with Perthes' disease revealed by bioassay. A disease of growth transition? Burwell RG, et al. **Clin Orthop** 1986 Aug;(209):129-38

Relationships between growth factors (somatomedin-C and growth hormone) and body development, metabolic control, and retinal changes in children and adolescents with IDDM. Salardi S, et al. **Diabetes** 1986 Jul;35(7):832-6

Circulating insulin-like growth factor I levels in newborn premature and full-term infants followed longitudinally. Lineham JD, et al. **Early Hum Dev** 1986 Feb;13(1):37-46

Plasma growth hormone and somatomedin-C responses to continuous growth hormone-releasing factor infusion in normal adult men. Takano K, et al. **Endocrinol Jpn** 1985 Apr;32(2):287-93

Changes in somatomedin activity in anorexia nervosa. Tanaka T, et al. **Endocrinol Jpn** 1985 Dec;32(6):891-7

Insulin-like growth factors I and II in maternal and fetal guinea pig serum. Daughaday WH, et al. **Endocrinology** 1986 Aug;119(2):490-4

Low serum somatomedin-C in insulin-dependent diabetes: evidence for a postreceptor mechanism. Maes M, et al. **Endocrinology** 1986 Jan;118(1):377-82

An improved method for the purification of human insulin-like growth factors I and II. Petrides PE, et al. **Endocrinology** 1986 May;118(5):2034-8

Protein utilization in growth: effect of calorie deficiency on serum growth hormone, somatomedins, total thyroxine (T4) and triiodothyronine, free T4 index, and total corticosterone. Schalch DS, et al. **Endocrinology** 1985 Dec; 117(6):2307-12

Circulating somatomedin activity during hepatic regeneration. Unterman TG, et al. **Endocrinology** 1986 Jul; 119(1):185-92

Gonadal steroids influence serum somatomedin-C concentrations in prepubertal female rhesus monkey. Wilson ME. **Endocrinology** 1986 Aug;119(2):666-71

Cerebral gigantism (Sotos syndrome). Compiled data of 22 cases. Analysis of clinical features, growth and plasma somatomedin. Wit JM, et al. **Eur J Pediatr** 1985 Jul; 144(2):131-40

Somatomedin-C levels in growth-impaired children and adolescents with chronic inflammatory bowel disease. Kirschner BS, et al. **Gastroenterology** 1986 Oct;91(4):830-6

Effect of the variations of female sex hormones during the menstrual cycle upon serum somatomedin and growth-promoting activity. Guidoux S, et al. **Horm Res** 1986;23(1):31-7

Hyposomatomedinemia in the nursing home patient. Rudman D, et al. **J Am Geriatr Soc** 1986 Jun;34(6):427-30

Insulin-like growth factors I and II in fetal and adult bovine serum. Purification, primary structures, and immunological cross-reactivities. Honegger A, et al. **J Biol Chem** 1986 Jan 15;261(2):569-75

Insulin-like growth factor-binding protein from human plasma. Purification and characterization. Martin JL, et al. **J Biol Chem** 1986 Jul 5;261(19):8754-60

Radioimmunoassay for the measurement of insulin-like growth factor I in patients with pituitary disease in comparison with commercially available somatomedin-C radioimmunoassays. Pfeifle B, et al. **J Clin Chem Clin Biochem** 1986 Jun;24(6):393-8

Changes in insulin-like growth factors I and II and their binding protein after a single intramuscular injection of growth hormone. Grant MB, et al. **J Clin Endocrinol Metab** 1986 Oct;63(4):981-4

Characterization of insulin-like growth factor I receptor on human erythrocytes. Hizuka N, et al. **J Clin Endocrinol Metab** 1985 Dec;61(6):1066-70

Characteristics of human erythrocyte insulin-like growth factor I receptors. Izumi T, et al. **J Clin Endocrinol Metab** 1986 Jun;62(6):1206-12

Responses of growth hormone (GH) and somatomedin-C to GH-releasing hormone in healthy aging men. Pavlov EP, et al. **J Clin Endocrinol Metab** 1986 Mar;62(3):593-600

Serum insulin-like growth factor I levels in adult diabetic patients: the effect of age. Tan K, et al. **J Clin Endocrinol Metab** 1986 Sep;63(3):651-5

Transient enhancement of serum somatomedin levels prior to weaning of growth-impaired vasopressin-deficient Brattleboro rats. Boer GJ, et al. **J Dev Physiol** 1985 Oct; 7(5):321-7

Circulating insulin-like growth factor-I and -II concentrations are not dependent on pituitary influences in the midgestation fetal sheep. Gluckman PD, et al. **J Dev Physiol** 1985 Dec;7(6):405-9

Circulating insulin-like growth factor-binding proteins in fetal, neonatal and adult sheep. Butler JH, et al. **J Endocrinol** 1986 Jun;109(3):333-8

Insulin-like growth factors I and II in evaluation of growth retardation. Rosenfeld RG, et al. **J Pediatr** 1986 Sep; 109(3):428-33

Insulin-like growth factors in patients with nonislet cell tumors and hypoglycemia. Merimee TJ. **Metabolism** 1986 Apr;35(4):360-3

The Brattleboro rat: normal growth hormone secretion, decreased hepatic growth hormone receptors and low plasma somatomedin activity. Bullier-Picard F, et al. **Mol Cell Endocrinol** 1986 Apr;45(1):49-56

Serum somatomedin C, bioassayable growth-promoting activity (thymidine activity), and transferrin in human fetuses: in utero study. Thieriot-Prevost G, et al. **Pediatr Res** 1986 Jan;20(1):71-3

Insulin-like growth factor I/somatomedin-C: a rapid isolation procedure with FPLC. Pfeifle B, et al. **Prep Biochem** 1985;15(5):291-307

Skeletal growth in the normal rabbit: a longitudinal study of serum somatomedin-C and skeletal development. Masoud IM, et al. **Prog Clin Biol Res** 1985;187:233-43

[Evaluation of somatomedin C and liver pathology in Cooley's disease] Liotta A, et al. **Minerva Pediatr** 1985 Sep 15;37(17):583-6 (Eng. Abstr.) **(Ita)**

[Studies on plasma insulin-like growth factor (IGF)-I levels in normal subjects and in patients with various endocrine and metabolic diseases using radioimmunoassay for synthetic IGF-I (26-46)] Inoue T, et al. **Nippon Naibunpi Gakkai Zasshi** 1986 Jan 20;62(1):45-59 (Eng. Abstr.) **(Jpn)**

[Determination of blood insulin-like growth factors and its clinical significance] Saito S, et al. **Nippon Rinsho** 1986 Jan;44(1):229-36 (31 ref.) **(Jpn)**

[Studies on somatomedin C in diabetic pregnancies] Murata K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Feb; 38(2):223-8 (Eng. Abstr.) **(Jpn)**

[A study on the serum levels of insulin-like growth factor-I in patients with acute hepatitis] Inagaki Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Mar;83(3):663-8 (Eng. Abstr.) **(Jpn)**

CEREBROSPINAL FLUID

Increased levels of somatomedins in human lumbar and central cerebrospinal fluid after subarachnoid haemorrhage. von Holst H, et al. **Acta Neurochir (Wien)** 1985; 78(3-4):157-60

CHEMICAL SYNTHESIS

Synthesis of an insulin-like compound consisting of the A chain of insulin and a B chain corresponding to the B domain of human insulin-like growth factor I. Joshi S, et al. **Biochemistry** 1985 Jul 16;24(15):4208-14

Chemical synthesis of insulin-like growth factor II. Yamashiro D, et al. **Int J Pept Protein Res** 1985 Sep; 26(3):299-304

DEFICIENCY

Suppression of immune function in growth hormone-deficient children during treatment with human growth hormone. Rapaport R, et al. **J Pediatr** 1986 Sep; 109(3):434-9

The short child with subnormal plasma somatomedin C. Rudman D, et al. **Pediatr Res** 1985 Oct;19(10):975-80

GENETICS

mRNA for insulin-like growth factor from human placenta. Younes MA, et al. **Ala J Med Sci** 1986 Jul;23(3):285-9

Normal dosage of the insulin and insulin-like growth factor II genes in patients with the Beckwith-Wiedemann syndrome. Spritz RA, et al. **Am J Hum Genet** 1986 Aug; 39(2):265-73

Chemical synthesis, cloning, and expression of genes for human somatomedin C (insulin-like growth factor I) and 59Val-somatomedin C. Niwa M, et al. **Ann NY Acad Sci** 1986;469:31-52

Human genes for insulin-like growth factors I and II and epidermal growth factor are located on 12q22——q24.1, 11p15, and 4q25——q27, respectively. Morton CC, et al. **Cytogenet Cell Genet** 1986;41(4):245-9

Organization of the human genes for insulin-like growth factors I and II. de Pagter-Holthuizen P, et al. **FEBS Lett** 1986 Jan 20;195(1-2):179-84

Complete characterization of the human IGF-I nucleotide sequence isolated from a newly constructed adult liver cDNA library. Le Bouc Y, et al. **FEBS Lett** 1986 Feb 3; 196(1):108-12

Growth hormone regulates the abundance of insulin-like growth factor I RNA in adult rat liver. Roberts CT Jr, et al. **J Biol Chem** 1986 Aug 5;261(22):10025-8

Organization and sequence of the human insulin-like growth factor I gene. Alternative RNA processing produces two

insulin-like growth factor I precursor peptides. Rotwein P, et al. **J Biol Chem** 1986 Apr 15;261(11):4828–32

Expression of insulin-like growth factor-II transcripts in Wilms' tumour. Reeve AE, et al. **Nature** 1985 Sep 19–25; 317(6034):258–60

Isolation of the human insulin-like growth factor genes: insulin-like growth factor II and insulin genes are contiguous. Bell GI, et al. **Proc Natl Acad Sci USA** 1985 Oct;82(19):6450–4

Coordinate developmental regulation of high and low molecular weight mRNAs for rat insulin-like growth factor II. Graham DE, et al. **Proc Natl Acad Sci USA** 1986 Jun; 83(12):4519–23

Two insulin-like growth factor I messenger RNAs are expressed in human liver. Rotwein P. **Proc Natl Acad Sci USA** 1986 Jan;83(1):77–81

IMMUNOLOGY

Comparative binding of bovine, human and rat insulin-like growth factors to membrane receptors and to antibodies against human insulin-like growth factor-1. Read LC, et al. **Biochem J** 1986 Jan 1;233(1):215–21

ISOLATION & PURIFICATION

Isolation and partial characterization of six somatomedin-like peptides from human plasma Cohn fraction IV. Blum WF, et al. **Acta Endocrinol (Copenh)** 1986 Feb;111(2):271–84

Affinity chromatography with amniotic fluid somatomedin binding protein in the purification of insulin-like growth factor I. Póvoa G, et al. **Biochem Biophys Res Commun** 1986 Apr 14;136(1):253–9

Isolation and characterization of variant IGF-1 as well as IGF-2 from adult human brain. Carlsson-Skwirut C, et al. **FEBS Lett** 1986 May 26;201(1):46–50

Identification of a peptide fragment from the carboxyl-terminal extension region (E-domain) of rat proinsulin-like growth factor-II. Hylka VW, et al. **J Biol Chem** 1985 Nov 25;260(27):14417–20

Somatomedin C/insulin-like growth factor I: simplified purification procedure and biological activities of the purified growth factor. Morrell DJ, et al. **J Endocrinol** 1986 Jul;110(1):151–8

Characterization of somatomedins from human fetal brain: identification of a variant form of insulin-like growth factor I. Sara VR, et al. **Proc Natl Acad Sci USA** 1986 Jul; 83(13):4904–7

METABOLISM

Localization of IGF-I in adult rats. Immunohistochemical studies. Andersson I, et al. **Acta Physiol Scand** 1986 Feb; 126(2):311–2

Binding of IGF I and IGF I-stimulated phosphorylation in canine renal basolateral membranes. Hammerman MR, et al. **Am J Physiol** 1986 Jul;251(1 Pt 1):E32–41

Purification of a high molecular weight somatomedin binding protein from human plasma. Enberg G. **Biochem Biophys Res Commun** 1986 Feb 26;135(1):178–82

Vanadate stimulation of IGF binding to rat adipocytes. Kadota S, et al. **Biochem Biophys Res Commun** 1986 Jul 16;138(1):174–8

Identification of receptors for insulin-like growth factor II in two insulin-like growth factor II producing cell lines. Lee PD, et al. **Biochem Biophys Res Commun** 1986 Jan 29;134(2):595–600

Tyrosine kinase activity of brain insulin and IGF-1 receptors. Lowe WL Jr, et al. **Biochem Biophys Res Commun** 1986 Jan 29;134(2):532–8

Characterization of affinity-purified type I insulin-like growth factor receptor from human placenta. Maly P, et al. **Biochem Biophys Res Commun** 1986 Aug 14; 138(3):1257–62

Identification of a monoclonal antibody which can distinguish between two distinct species of the type I receptor for insulin-like growth factor. Morgan DO, et al. **Biochem Biophys Res Commun** 1986 Aug 14;138(3):1341–7

Receptors for insulin-like growth factors and insulin on murine fetal cortical brain cells. Van Schravendijk CF, et al. **Biochem Biophys Res Commun** 1986 Feb 26; 135(1):228–38

Characterization of an insulin-related factor secreted by a teratoma cell line. Yamada Y, et al. **Biochem Biophys Res Commun** 1986 Mar 13;135(2):533–40

Binding properties and biological potencies of insulin-like growth factors in L6 myoblasts. Ballard FJ, et al. **Biochem J** 1986 Jan 1;233(1):223–30

Comparative binding of bovine, human and rat insulin-like growth factors to membrane receptors and to antibodies against human insulin-like growth factor-1. Read LC, et al. **Biochem J** 1986 Jan 1;233(1):215–21

Evidence for an increased somatomedin-C/insulin-like growth factor I content in primary human lung tumors. Minuto F, et al. **Cancer Res** 1986 Feb;46(2):985–8

Reduced binding of basic somatomedin by mouse placental membranes following maternal alcohol administration. Kennedy LA, et al. **Dev Pharmacol Ther** 1986;9(2):132–44

Binding and internalization of insulin and insulin-like growth factors by isolated brain microvessels. Frank HJ, et al. **Diabetes** 1986 Jun;35(6):654–61

Autoradiographic analysis of 125I-insulin-like growth factor II internalization into pancreatic acini. Mossner J, et al. **Diabetes Res Clin Pract** 1986 May;2(2):75–82

Two types of receptor for insulin-like growth factors in mammalian brain. Gammeltoft S, et al. **EMBO J** 1985 Dec 16;4(13A):3407–12

Processing of insulin-like growth factors I and II by capillary and large vessel endothelial cells. Bar RS, et al. **Endocrinology** 1986 Mar;118(3):1072–80

Identification of binding sites for an insulin-like growth factor (IGF-I) in the median eminence of the rat brain by quantitative autoradiography. Bohannon NJ, et al. **Endocrinology** 1986 Aug;119(2):943–5

Growth hormone increases ovarian levels of immunoreactive somatomedin C/insulin-like growth factor I in vivo. Davoren JB, et al. **Endocrinology** 1986 Feb;118(2):888–90

Fetal rat myoblasts release both rat somatomedin-C (SM-C)/insulin-like growth factor I (IGF I) and multiplication-stimulating activity in vitro: partial characterization and biological activity of myoblast-derived SM-C/IGF I. Hill DJ, et al. **Endocrinology** 1985 Nov;117(5):2061–72

Placental protein 12 is a decidual protein that binds somatomedin and has an identical N-terminal amino acid sequence with somatomedin-binding protein from human amniotic fluid. Koistinen R, et al. **Endocrinology** 1986 Apr; 118(4):1375–8

Insulin and insulin-like growth factor (somatomedin) receptors on cloned rat pituitary tumor cells. Rosenfeld RG, et al. **Endocrinology** 1985 Nov;117(5):2008–16

Interaction of insulin-like growth factor I/somatomedin-C with cultured rat chondrocytes: receptor binding and internalization. Schalch DS, et al. **Endocrinology** 1986 Apr; 118(4):1590–7

Immunoreactive sites and accumulation of somatomedin-C in rat Sertoli-spermatogenic cell co-cultures. Tres LL, et al. **Exp Cell Res** 1986 Jan;162(1):33–50

Follicle-stimulating hormone enhances somatomedin C binding to cultured rat granulosa cells. Evidence for cAMP dependence. Adashi EY, et al. **J Biol Chem** 1986 Mar 25; 261(9):3923–6

Insulin-like growth factor II binding to the type I somatomedin receptor. Evidence for two high affinity binding sites. Casella SJ, et al. **J Biol Chem** 1986 Jul 15; 261(20):9268–73

Purification and biologic properties of fibroblast somatomedin. Clemmons DR, et al. **J Biol Chem** 1986 Aug 5;261(22):10293–8

The insulin-like growth factor II receptor is phosphorylated by a tyrosine kinase in adipocyte plasma membranes. Corvera S, et al. **J Biol Chem** 1986 Jun 15;261(17):7675–9

The type II insulin-like growth factor receptor is internalized and recycles in the absence of ligand. Oka Y, et al. **J Biol Chem** 1986 Jul 15;261(20):9090–3

Localization of somatomedin-C binding to bovine growth-plate chondrocytes in situ. Trippel SB, et al. **J Bone Joint Surg [Am]** 1986 Jul;68(6):897–903

Incorporation of [3H]thymidine by isolated fetal myoblasts and fibroblasts in response to human placental lactogen (HPL): possible mediation of HPL action by release of immunoreactive SM-C. Hill DJ, et al. **J Cell Physiol** 1985 Nov;125(2):337–44

The conformation of insulin-like growth factors: relationships with insulins. Dafgård E, et al. **J Cell Sci [Suppl]** 1985;3:53–64 (34 ref.)

Characterization of insulin, insulin-like growth factors I and II, and growth hormone receptors on human leukemic lymphoblasts. Lee PD, et al. **J Clin Endocrinol Metab** 1986 Jan;62(1):28–35

Cultured fibroblast monolayers secrete a protein that alters the cellular binding of somatomedin-C/insulinlike growth factor I. Clemmons DR, et al. **J Clin Invest** 1986 May; 77(5):1548–56

Modulation of insulinlike growth factor I binding to human fibroblast monolayer cultures by insulinlike growth factor carrier proteins released to the incubation media. De Vroede MA, et al. **J Clin Invest** 1986 Feb;77(2):602–13

Acute metabolic effects and half-lives of intravenously administered insulinlike growth factors I and II in normal and hypophysectomized rats. Zapf J, et al. **J Clin Invest** 1986 Jun;77(6):1768–75

Autocrine tumour growth regulation by somatomedin C: an in-vitro model. Pavelić K, et al. **J Endocrinol** 1986 May; 109(2):233–8

Sex steroids and somatomedin C [letter] Loche S, et al. **J Pediatr** 1986 Aug;109(2):395–6

Demonstration of receptors for insulin-like growth factor-II on human T-lymphocytes. Brown TJ, et al. **J Recept Res** 1985;5(4):297–309

An atypical insulin receptor with high affinity for insulin-like growth factors copurified with placental insulin receptors. Jonas HA, et al. **Proc Natl Acad Sci USA** 1986 Jun; 83(12):4124–8

Circulating levels of insulin-like growth factors 1 and 2 and somatomedin B in alcoholic patients. Tham A, et al. **Psychiatry Res** 1986 Aug;18(4):301–8

[Somatomedin and growth] Ranke MB. **Monatsschr Kinderheilkd** 1985 Jun;133(6):336–42 (61 ref.) **(Ger)**

PHARMACODYNAMICS

Effect of insulin-like growth factors on human foetal, adult normal and tumour pituitary function in tissue culture. Goodyer CG, et al. **Acta Endocrinol (Copenh)** 1986 May; 112(1):49–57

The influence of purified somatomedins and insulin on foetal rat brain DNA synthesis in vitro. Enberg G, et al. **Acta Physiol Scand** 1985 Oct;125(2):305–8

Biphasic concentration dependency of stimulation of myoblast differentiation by somatomedins. Florini JR, et al. **Am J Physiol** 1986 May;250(5 Pt 1):C771–8

Effects of local administration of GH and IGF-1 on longitudinal bone growth in rats. Isgaard J, et al. **Am J Physiol** 1986 Apr;250(4 Pt 1):E367–72

Structural features involved in the biological activity of insulin and the insulin-like growth factors: A27 insulin/BIGF-I. Joshi S, et al. **Biochem Biophys Res Commun** 1985 Dec 17;133(2):423–9

Direct stimulatory effects of insulin-like growth factor-I on Leydig cell steroidogenesis in primary culture. Lin T, et al. **Biochem Biophys Res Commun** 1986 Jun 30;137(3):950–6

Insulin-like growth factors (IGF I and IGF II) mimic the effect of insulin on plasma protein synthesis and glycogen deposition in cultured hepatocytes. Parkes JL, et al. **Biochem Biophys Res Commun** 1986 Jan 14;134(1):427–35

Insulin-like growth factor I/somatomedin C action on 2-deoxyglucose and alpha-amino isobutyrate uptake in chick embryo fibroblasts. Cynober L, et al. **Biochimie** 1985 Oct-Nov;67(10–11):1185–90

Synergistic interactions of somatomedin-C with adenosine 3',5'-cyclic monophosphate-dependent granulosa cell agonists. Adashi EY, et al. **Biol Reprod** 1986 Feb;34(1):81–8

Insulin-like growth factor inhibition of growth hormone secretion. Sheppard MS, et al. **Can J Physiol Pharmacol** 1986 May;64(5):525–30

In vivo effects of the insulin-like growth factors (IGFs) in the hypophysectomized rat: comparison with human growth hormone and the possible role of the specific IGF carrier proteins. Zapf J, et al. **Ciba Found Symp** 1985; 116:169–87

Stimulation of DNA synthesis in rat A10 vascular smooth muscle cells by threonine-59 insulin-like growth factor I. Cascieri MA, et al. **Circ Res** 1986 Aug;59(2):171–7

Mitogenic activity and receptor reactivity of hybrid molecules containing portions of the insulin-like growth factor I (IGF-I), IGF-II, and insulin molecules. De Vroede MA, et al. **Diabetes** 1986 Mar;35(3):355–61

Regulation of transferrin receptor expression at the cell surface by insulin-like growth factors, epidermal growth factor and platelet-derived growth factor. Davis RJ, et al. **EMBO J** 1986 Apr;5(4):653–8

Somatomedin-C-mediated potentiation of follicle-stimulating hormone-induced aromatase activity of cultured rat granulosa cells. Adashi EY, et al. **Endocrinology** 1985 Dec;117(6):2313–20

Somatomedin-C as an amplifier of follicle-stimulating hormone action: enhanced accumulation of adenosine 3',5'-monophosphate. Adashi EY, et al. **Endocrinology** 1986 Jan;118(1):149–55

Independent and synergistic actions of somatomedin-C in the stimulation of proteoglycan biosynthesis by cultured rat granulosa cells. Adashi EY, et al. **Endocrinology** 1986 Jan;118(1):456–8

Ovine somatomedin, multiplication-stimulating activity, and insulin promote skeletal muscle satellite cell proliferation in vitro. Dodson MV, et al. **Endocrinology** 1985 Dec; 117(6):2357–63

Epidermal growth factor stimulates glycogen synthesis in fetal rat hepatocytes: comparison with the glycogenic effects of insulin-like growth factor I and insulin. Freemark M. **Endocrinology** 1986 Aug;119(2):522–6

Regulation of insulin and insulin-like growth factor (IGF) responsiveness by IGFs in rat hepatoma cells. Heaton JH, et al. **Endocrinology** 1986 Jun;118(6):2555–60

Insulin-like growth factor-I action on hypothyroid rat pituitary cells: suppression of triiodothyronine-induced growth hormone secretion and messenger ribonucleic acid levels. Melmed S, et al. **Endocrinology** 1986 Apr; 118(4):1483–90

Changes in the rate of carrier-mediated glucose transport by mouse mammary epithelial cells during ontogeny: hormone dependence delineated in vitro. Prosser CG, et al. **Endocrinology** 1986 Jul;119(1):91–6

Insulin-like growth factor-I stimulates the growth of rat thyroid cells in culture and synergizes the stimulation of DNA synthesis induced by TSH and Graves'-IgG. Tramontano D, et al. **Endocrinology** 1986 Aug;119(2):940–2

Synergistic actions of estradiol and the insulin-like growth factor somatomedin-C on swine ovarian (granulosa) cells. Veldhuis JD, et al. **Endocrinology** 1986 Aug;119(2):530–8

Insulin-like growth factor I action on rat anterior pituitary cells: suppression of growth hormone secretion and messenger ribonucleic acid levels. Yamashita S, et al. **Endocrinology** 1986 Jan;118(1):176–82

Stimulation of DNA synthesis in quiescent rabbit chondrocytes in culture by limited exposure to somatomedin-like growth factors. Hiraki Y, et al. **Eur J Biochem** 1986 Jul 15;158(2):333–7

Insulin-like growth factor I stimulates growth in normal growing rats. Hizuka N, et al. **Eur J Pharmacol** 1986 Jun 5;125(1):143–6

Stimulation of lipogenesis in bovine adipose tissue by insulin and insulin-like growth factor. Etherton TD, et al. **J Anim Sci** 1986 Feb;62(2):357–62

The insulin-like growth factor, somatomedin C, induces the synthesis of cholesterol side-chain cleavage cytochrome P-450 and adrenodoxin in ovarian cells. Veldhuis JD, et

al. **J Biol Chem** 1986 Feb 25;261(6):2499–502

Mitogenic response of human SH-SY5Y neuroblastoma cells to insulin-like growth factor I and II is dependent on the stage of differentiation. Mattsson ME, et al. **J Cell Biol** 1986 May;102(5):1949–54

Mitogenic activity of hydroxyapatite: requirement for somatomedin C. Cheung HS, et al. **J Cell Physiol** 1986 Aug;128(2):143–8

Regulation of amino acid uptake and deoxyribonucleic acid synthesis in isolated human fetal fibroblasts and myoblasts: effect of human placental lactogen, somatomedin-C, multiplication-stimulating activity, and insulin. Hill DJ, et al. **J Clin Endocrinol Metab** 1986 Apr;62(4):753–60

Interactions of insulin, insulinlike growth factor II, and platelet-derived growth factor in erythropoietic culture. Dainiak N, et al. **J Clin Invest** 1985 Sep;76(3):1237–42

Activity in fetal bovine serum that stimulates erythroid colony formation in fetal mouse livers is insulinlike growth factor I. Kurtz A, et al. **J Clin Invest** 1985 Oct;76(4):1643–8

Human fetal and adult chondrocytes. Effect of insulinlike growth factors I and II, insulin, and growth hormone on clonal growth. Vetter U, et al. **J Clin Invest** 1986 Jun; 77(6):1903–8

Autocrine tumour growth regulation by somatomedin C: an in-vitro model. Pavelić K, et al. **J Endocrinol** 1986 May; 109(2):233–8

Suppressive effects of insulin and insulin-like growth factor-1 (IGF1) on immune responses. Hunt P, et al. **J Immunol** 1986 Jun 1;136(11):3994–9

Effects of insulin, insulin-like growth factor-II, and nerve growth factor on neurite formation and survival in cultured sympathetic and sensory neurons. Recio-Pinto E, et al. **J Neurosci** 1986 May;6(5):1211–9

Biosynthetic somatomedin C (SM-C/IGF-I) increases the length and weight of Snell dwarf mice. van Buul-Offers S, et al. **Pediatr Res** 1986 Sep;20(9):825–7

Insulin-like growth factor I/somatomedin C: a potent inducer of oligodendrocyte development. McMorris FA, et al. **Proc Natl Acad Sci USA** 1986 Feb;83(3):822–6

Insulin, insulin-like growth factor II, and nerve growth factor effects on tubulin mRNA levels and neurite formation. Mill JF, et al. **Proc Natl Acad Sci USA** 1985 Oct;82(20):7126–30

Growth hormone and insulin-like growth factors I and II produce distinct alterations in glucose metabolism in 3T3-F442A adipocytes. Schwartz J, et al. **Proc Natl Acad Sci USA** 1985 Dec;82(24):8724–8

The generation of insulin-like growth factor-1—sensitive cells by growth hormone action. Zezulak KM, et al. **Science** 1986 Aug 1;233(4763):551–3

PHYSIOLOGY

Modulation of in vitro growth of murine myeloid leukemia by an autologous substance immunochemically cross-reactive with insulin and antiinsulin serum. Vuk-Pavlović Z, et al. **Blood** 1986 Apr;67(4):1031–5

Growth hormone, somatomedin and prolactin—relationship to brain function. Laron Z, et al. **Brain Dev** 1985; 7(6):559–67 (42 ref.)

Paracrine functions of somatomedins. Underwood LE, et al. **Clin Endocrinol Metab** 1986 Feb;15(1):59–77 (52 ref.)

In vitro effect of multiplication stimulating activity (MSA) on human fetal and postnatal cartilage. Ashton IK, et al. **Early Hum Dev** 1986 Apr;13(2):161–7

Hormonal control of the replication of human fetal fibroblasts: role of somatomedin C/insulin-like growth factor I. Conover CA, et al. **J Cell Physiol** 1986 Jul; 128(1):47–54

Insulin-like growth factor I regulation of transcription and replicating enzyme induction necessary for DNA synthesis. Yang HC, et al. **J Cell Physiol** 1986 Jun;127(3):410–6

An autocrine/paracrine role for insulin-like growth factors in the regulation of human placental growth. Fant M, et al. **J Clin Endocrinol Metab** 1986 Aug;63(2):499–505

Insulin-like growth factor I regulates growth hormone secretion and messenger ribonucleic acid levels in human pituitary tumor cells. Yamashita S, et al. **J Clin Endocrinol Metab** 1986 Sep;63(3):730–5

Nutrition, somatomedins, and the brain. Phillips LS. **Metabolism** 1986 Jan;35(1):78–87 (79 ref.)

Somatomedin in fetal growth. D'Ercole AJ, et al. **Pediatr Pulmonol** 1985 May-Jun;1(3 Suppl):S99–106

Monoclonal antibody to the type I insulin-like growth factor (IGF-I) receptor blocks IGF-I receptor-mediated DNA synthesis: clarification of the mitogenic mechanisms of IGF-I and insulin in human skin fibroblasts. Flier JS, et al. **Proc Natl Acad Sci USA** 1986 Feb;83(3):664–8

IGFs/somatomedins: significance for growth. Froesch ER, et al. **Prog Clin Biol Res** 1985;200:75–89 (39 ref.)

Regulation by growth hormone of number of chondrocytes containing IGF-I in rat growth plate. Nilsson A, et al. **Science** 1986 Aug 1;233(4763):571–4

[Symposium: Pathology and physiology of growth] **Ann Endocrinol (Paris)** 1985;46(4–5):287–96 (Fre)

[Somatomedins and their significance in pediatrics] Vetter U, et al. **Klin Padiatr** 1985 Sep-Oct;197(5):378–85 (77 ref.) (Eng. Abstr.) (Ger)

[Growth hormone and insulin-like growth factor in the dog: clinical and experimental studies] Eigenmann JE. **Schweiz Arch Tierheilkd** 1986 Feb;128(2):57–78 (Eng. Abstr.) (Ger)

[Acromegaly and insulin-like growth factors] Zapf J, et al. **Schweiz Med Wochenschr** 1986 Jan 18;116(3):71–7 (Eng. Abstr.) (Ger)

[Protein and polypeptide growth factors—somatomedin and insulin-like growth factor] Sasaki N, et al. **Nippon Rinsho** 1986 Jan;44(1):69–76 (40 ref.) (Jpn)

[Role of somatomedins in the growth processes in animals] Barowicz T, et al. **Acta Physiol Pol** 1984;35 Suppl 27:124–41 (93 ref.) (Pol)

[Somatomedins and their role as regulators of the secretion of growth hormone] Donnay Candil S, et al. **Rev Clin Esp** 1985 Nov;177(7):307–9 (49 ref.) (Eng. Abstr.) (Spa)

SECRETION

Growth hormone releasing factor and somatomedin C production: extrahypothalamic localization and possible functional significance. Thorner MO, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;276:34–40

Release of an insulin-like peptide from perfused extirpated cat legs in response to electrical stimulation of the sciatic and brachial nerves and to administration of ACh, bombesin, oxytocin and glibenclamide. Poulsoncc B, et al. **Acta Physiol Scand** 1985 Oct;125(2):195–203

Secretion of an insulin-like growth factor-I-related protein by human breast cancer cells. Huff KK, et al. **Cancer Res** 1986 Sep;46(9):4613–9

Regulation of growth hormone and somatomedin-C secretion in postmenopausal women: effect of physiological estrogen replacement. Dawson-Hughes B, et al. **J Clin Endocrinol Metab** 1986 Aug;63(2):424–32

[Effects of arginine, administered orally, on the endogenous secretion of the STH-somatomedin complex in young human volunteers] Elsair J, et al. **C R Soc Biol (Paris)** 1985; 179(5):608–14 (Eng. Abstr.) (Fre)

THERAPEUTIC USE

Outcome in children with normal growth following removal of a craniopharyngioma. Blethen SL, et al. **Am J Med Sci** 1986 Jul;292(1):21–4

Growth restoration of insulin-deficient diabetic rats by recombinant human insulin-like growth factor I. Scheiwiller E, et al. **Nature** 1986 Sep 11–17; 323(6084):169–71

SOMATOSENSORY CORTEX

alpha-Methyltyrosine blocks methylamphetamine-induced degeneration in the rat somatosensory cortex. Commins DL, et al. **Brain Res** 1986 Feb 12;365(1):15–20

Axonal transport of beta-receptors during the response to axonal injury and repair in locus coeruleus neurons. Levin BE, et al. **Brain Res** 1985 Dec 16;359(1–2):215–23

Some inadequacies and errors arising from the use of increased latencies for defining abnormality of short latency somatosensory evoked responses. Thomas JG. **Electromyogr Clin Neurophysiol** 1985 Sep-Oct;25(6):423–8

ANALYSIS

gamma-Aminobutyric acid immunoreactivity in mouse barrel field: a light microscopical study. Chmielowska J, et al. **Brain Res** 1986 Mar 19;368(2):371–4

ANATOMY & HISTOLOGY

The identification of thalamocortical axon terminals in barrels of mouse SmI cortex using immunohistochemistry of anterogradely transported lectin (Phaseolus vulgaris-leucoagglutinin). Keller A, et al. **Brain Res** 1985 Sep 16;343(1):159–65

Gustatory cortex in the rat. II. Thalamocortical projections. Kosar E, et al. **Brain Res** 1986 Aug 6;379(2):342–52

Second somatic sensory cortical area (SII) in a prosimian primate, Galago crassicaudatus. Burton H, et al. **J Comp Neurol** 1986 May 8;247(2):200–20

Studies on the evolution of multiple somatosensory representations in primates: the organization of anterior parietal cortex in the New World Callitrichid, Saguinus. Carlson M, et al. **J Comp Neurol** 1986 Apr 15;246(3):409–26

Sensorimotor cortical projections to the primate cuneate nucleus. Cheema S, et al. **J Comp Neurol** 1985 Oct 8; 240(2):196–211

Cytochrome oxidase staining in the rat SmI barrel cortex. Land PW, et al. **J Comp Neurol** 1985 Aug 8;238(2):225–35

Corticocortical connections of area 2 of somatosensory cortex in macaque monkeys: a correlative anatomical and electrophysiological study. Pons TP, et al. **J Comp Neurol** 1986 Jun 15;248(3):313–35

Connections of area 2 of somatosensory cortex with the anterior pulvinar and subdivisions of the ventroposterior complex in macaque monkeys. Pons TP, et al. **J Comp Neurol** 1985 Oct 1;240(1):16–36

The somatotopic organization of area 2 in macaque monkeys. Pons TP, et al. **J Comp Neurol** 1985 Nov 22;241(4):445–66

The terminations of corticospinal tract axons in the macaque monkey. Ralston DD, et al. **J Comp Neurol** 1985 Dec 15; 242(3):325–37

Thalamic projections to the motor and premotor areas in the cat traced with horseradish peroxidase. Katayama T, et al. **J Hirnforsch** 1986;27(1):45–59

Functional reorganization in somatosensory cortical areas 3b and 1 of adult monkeys after median nerve repair: possible relationships to sensory recovery in humans. Wall JT, et al. **J Neurosci** 1986 Jan;6(1):218–33

Somata of layer V projection neurons in the mouse barrelfield cortex are in preferential register with the sides and septa of the barrels. Crandall JE, et al. **Neurosci Lett** 1986 Jun 6;67(1):19–24

Corticocortical and collateral thalamocortical connections of postcentral somatosensory cortical areas in squirrel monkeys: a double-labeling study with radiolabeled wheatgerm agglutinin and wheatgerm agglutinin conjugated to horseradish peroxidase. Cusick CG, et al. **Somatosens Res** 1985;3(1):1–31

Transneuronal transport of wheatgerm agglutinin conjugated with horseradish peroxidase in the somatosensory system of the rat: a light- and electron-microscopic study. Spreafico R, et al. **Somatosens Res** 1985;3(2):119–37

BLOOD SUPPLY

[Limb-kinetic apraxia produced by a localized infarction of the central region (Liepmann)—studies on two cases] Kawamura M, et al. **Rinsho Shinkeigaku** 1986 Jan; 26(1):20–7 (Eng. Abstr.) (Jpn)

[Distribution of blood flow in the somatosensory region of the cortex of the rabbit during stimulation of its vibrissae] Kilibaeva GS. **Fiziol Zh SSSR** 1985 Sep;71(9):1166–9 (Rus)

CYTOLOGY

Effects of unilateral and bilateral training in a reaching task on dendritic branching of neurons in the rat motor-sensory forelimb cortex. Greenough WT, et al. **Behav Neural Biol** 1985 Sep;44(2):301–14

Light and electron microscopic evidence of transneuronal labeling with WGA-HRP to trace somatosensory pathways to the thalamus. Peschanski M, et al. **J Comp Neurol** 1985 Jun 1;236(1):29–41

Cytoarchitectonic and quantitative characteristics of cell groups of layer IV of the rat cerebral cortex in the region of representation of vibrissae. Lapenko TK. **Neurosci Behav Physiol** 1985 Jul-Aug;15(4):325–9

[Electrophysiological study of functional interrelations between the ventral posterolateral nucleus and lateral segments of the reticular thalamic nucleus] Prokopenko VF, et al. **Fiziol Zh** 1985 Jul-Aug;31(4):423–8 (Eng. Abstr.) (Rus)

[Inhibition reaction of neurons of the chronically isolated strip of the associative cortex of cat brain (field 5) to intracortical electric stimulation] Taranenko VD, et al. **Fiziol Zh** 1985 Jul-Aug;31(4):416–23 (Eng. Abstr.) (Rus)

[Changes in the nature of unconditioned impulsive reactions of neurons of the limbic cortex after training in conditioned reflex] Ziniuk LE. **Fiziol Zh** 1985 Jul-Aug;31(4):488–91 (Rus)

DRUG EFFECTS

Differential vulnerability of 3 rapidly conducting somatosensory pathways in the dog with vitamin B6 neuropathy. Schaeppi U, et al. **Agents Actions** 1985 Sep; 16(6):567–79

Effect of morphine-induced cortical excitation on somatosensory responses evoked in the periaqueductal grey matter. Hernandez A, et al. **Eur J Pharmacol** 1985 Sep 24;115(2–3):305–8

Threshold effects of N-methyl D-aspartate (NMDA) and 2-amino 5-phosphono valeric acid (2APV) on the spontaneous activity of neocortical single neurones in the urethane anaesthetised rat. Armstrong-James M, et al. **Exp Brain Res** 1985;60(1):209–13

Effects of prenatal exposure to ethanol on the maturation of the pyramidal neurons in the cerebral cortex of the guinea-pig: a quantitative Golgi study. Fabregues I, et al. **Neuropathol Appl Neurobiol** 1985 Jul-Aug;11(4):291–8

Bicuculline-induced alterations in neuronal responses to controlled tactile stimuli in the second somatosensory cortex of the cat: a microiontophoretic study. Alloway KD, et al. **Somatosens Res** 1986;3(3):197–211

[Modulating effect of angiotensin II and bradykinin on the mediator sensitivity of central neurons] Anisimov IuZ. **Biull Eksp Biol Med** 1986 Aug;102(8):136–9 (Eng. Abstr.) (Rus)

[Central cholinolytic effect of tropane derivatives: structure-activity relationship] Kozhechkin SN, et al. **Biull Eksp Biol Med** 1985 Oct;100(10):468–70 (Eng. Abstr.) (Rus)

[Interaction of morphine and non-steroid anti-inflammatory agents] Komendantova MV, et al. **Farmakol Toksikol** 1985 Sep-Oct;48(5):28–32 (Eng. Abstr.) (Rus)

[Effect of inhibition induced by intracortical chemical microstimulation on the receptive fields of neurons of the sensomotor cortex in the cat] Dutova EA, et al. **Fiziol Zh SSSR** 1985 Oct;71(10):1297–301 (Rus)

EMBRYOLOGY

Ontogenetic change in the distribution of callosal projection neurons in the postcentral gyrus of the fetal rhesus monkey. Killackey HP, et al. **J Comp Neurol** 1986 Feb 15; 244(3):331–48

[Various types of non-synaptic intercellular contacts in the developing brain of the rat] Bogolepov NN, et al. **Arkh Anat Gistol Embriol** 1986 Feb;90(2):45–53 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Membrane-bound form of acetylcholinesterase activated during postnatal development of the rat somatosensory cortex. Inestrosa NC, et al. **Dev Neurosci** 1985;7(2):120–32

Distribution of glutamic acid decarboxylase–immunoreactive structures in the barrel region of mouse somatosensory cortex. Keller A, et al. **Neurosci Lett** 1986 May 23; 66(3):245–50

GROWTH & DEVELOPMENT

Late postnatal changes in rat somatosensory cortex. Temporal and spatial relationships of GABA–T and AChE histochemical reactivity. Kristt DA, et al. **Anat Embryol (Berl)** 1986;174(1):115–22

Development of the spinal–medullary projection from the mouse barrel field. Crandall JE, et al. **J Comp Neurol** 1985 Sep 8;239(2):205–15

Postnatal development of serotonin nerve fibers in the somatosensory cortex of mice studied by immunohistochemistry. Fujimiya M, et al. **J Comp Neurol** 1986 Apr 8;246(2):191–201

A comparative analysis of the development of the primary somatosensory cortex: interspecies similarities during barrel and laminar development. Rice FL, et al. **J Comp Neurol** 1985 Jun 22;236(4):477–95

Gradual changes in the structure of the barrels during maturation of the primary somatosensory cortex in the rat. Rice FL. **J Comp Neurol** 1985 Jun 22;236(4):496–503

INJURIES

Topography of corticopontine remodelling after cortical lesions in newborn rats. Kartje–Tillotson G, et al. **J Comp Neurol** 1986 Aug 8;250(2):206–14

METABOLISM

Metabolic labeling associated with index finger stimulation in monkey SI: between animal variability. Juliano SL, et al. **Brain Res** 1985 Sep 9;342(2):242–51

Effect of transient cerebral ischemia on metabolic activation of a somatosensory circuit. Dietrich WD, et al. **J Cereb Blood Flow Metab** 1986 Aug;6(4):405–13

Lectins demarcate the barrel subfield in the somatosensory cortex of the early postnatal mouse. Cooper NG, et al. **J Comp Neurol** 1986 Jul 8;249(2):157–69

D–[3H]aspartate retrograde labelling of association neurones in area SI of the cat. Manzoni T, et al. **Neurosci Lett** 1986 Jun 18;67(2):175–80

Prodynorphin opioid peptides in small somatosensory primary afferents of guinea pig. Weihe E, et al. **Neurosci Lett** 1985 Aug 5;58(3):347–52

[Status of the DNA–RNA–protein synthesizing system in neurons of the sensomotor cortex of the brain of the 30-day–old rat] Kolomeets NS. **Arkh Anat Gistol Embriol** 1985 Sep;89(9):18–22 (Eng. Abstr.) **(Rus)**

[Effect of changes in the catecholamine content in the brain on the chemoreactive properties of the sensorimotor cortex neurons of rats] Kruglikov RI, et al. **Izv Akad Nauk SSSR [Biol]** 1985 Nov–Dec;(6):832–40 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The hopping reaction in the rabbit after early and late removal of the motor cortex. Hobbelen JF, et al. **Behav Brain Res** 1986 Jul;21(1):73–7

Tooth pulp evoked potentials in trigeminal nuclei and parabrachial region of the freely moving rat. Rehnig HP, et al. **Biomed Biochim Acta** 1986;45(4):485–9

Inhibitory potentials in neurons of the deep layers of the in vitro neocortical slice. Avoli M. **Brain Res** 1986 Apr 2;370(1):165–70

Disruption of corticospinal plasticity by 6–hydroxydopamine as measured by intracortical microstimulation in rats. Castro AJ, et al. **Brain Res** 1986 Jan;389(1–2):295–8

Representations of the face, teeth and oral cavity in areas 3b and 1 of somatosensory cortex in squirrel monkeys. Cusick CG, et al. **Brain Res** 1986 Apr 9;370(2):359–64

Assessment of the capacity of human subjects and S–I neurons to distinguish opposing directions of stimulus motion across the skin. Essick GK, et al. **Brain Res** 1985 Dec;357(3):187–212 (61 ref.)

Is the hindlimb representation of the rat's cortex a 'sensorimotor amalgam'? Hummelsheim H, et al. **Brain Res** 1985 Oct 28;346(1):75–81

Cortical cells driven by the low–threshold tooth pulpal afferent in cats. Iwata K, et al. **Brain Res** 1986 Mar 19; 368(2):399–403

Distribution and response characteristics of masseteric nerve–driven neurons in two separate cortical projection areas of cats. Iwata K, et al. **Brain Res** 1985 Sep 2; 342(1):179–82

Gustatory cortex in the rat. I. Physiological properties and cytoarchitecture. Kosar E, et al. **Brain Res** 1986 Aug 6; 379(2):329–41

Anatomical and physiological properties of the projection from the sensory cortex to the motor cortex in normal cats: the difference between corticocortical and thalamocortical projections. Kosar E, et al. **Brain Res** 1985 Oct 14; 345(1):68–78

Metabolic activity in SmI cortical barrels of adult rats is dependent on patterned sensory stimulation of the mystacial vibrissae. Land PW, et al. **Brain Res** 1985 Aug 19; 341(1):189–94

Simultaneous recordings from pairs of cat somatosensory cortical neurons with overlapping peripheral receptive fields. Metherate R, et al. **Brain Res** 1985 Aug 19; 341(1):119–29

Expansion of receptive fields in the mouse cortical barrelfield after administration of capsaicin to neonates or local application on the infraorbital nerve in adults. Nussbaumer JC, et al. **Brain Res** 1985 Dec 23;360(1–2):1–9

Benzodiazepine receptor involvement in the control of receptive field size and responsiveness in primary somatosensory cortex. Oka JI, et al. **Brain Res** 1986 Jun 18;376(1):194–8

Somatosensory cortex in macaque monkeys: laminar differences in receptive field size in areas 3b and 1. Sur M, et al. **Brain Res** 1985 Sep 9;342(2):391–5

Long–term cortical consequences of reinnervation errors after nerve regeneration in monkeys. Wall JT, et al. **Brain Res** 1986 May 7;372(2):400–4

Current generators and properties of early components evoked in rat olfactory cortex. Ferreyra Moyano H, et al. **Brain Res Bull** 1985 Sep;15(3):237–48

The effect of cortical ablation on afferent activity in the cat somatosensory system. Sclabassi RJ, et al. **Electroencephalogr Clin Neurophysiol** 1986 Jul;64(1):31–40

Submodality and columnar organization of the second somatic sensory area in cats. Alloway KD, et al. **Exp Brain Res** 1985;61(1):128–40

Laminar differences in sizes, shapes, and response profiles of cutaneous receptive fields in the rat SI cortex. Chapin JK. **Exp Brain Res** 1986;62(3):549–59

Mixed and sensory nerve stimulations activate different cytoarchitectonic areas in the human primary somatosensory cortex SI. Neuromagnetic recordings and statistical considerations. Kaukoranta E, et al. **Exp Brain Res** 1986;63(1):60–6

Cerebral cortical somatosensory evoked responses, multiple unit activity and current source–densities: their interrelationships and significance to somatic sensation as revealed by stimulation of the awake monkey's hand. Kulics AT, et al. **Exp Brain Res** 1986;62(1):46–60

Identification of two populations of corticothalamic neurons in cat primary somatosensory cortex. Landry P, et al. **Exp Brain Res** 1985;60(2):289–98

Short latency inputs to phrenic motoneurones from the sensorimotor cortex in the cat. Lipski J, et al. **Exp Brain Res** 1986;61(2):280–90

Gating of somatosensory perception following movement. Angel RW, et al. **Exp Neurol** 1985 Nov;90(2):395–400

Distribution of somatic sensory and active–movement neuronal discharge properties in the MI–SI cortical border area in the rat. Chapin JK, et al. **Exp Neurol** 1986 Mar; 91(3):502–23

Modulatory influences of red nucleus stimulation on the somatosensory responses of cat trigeminal subnucleus oralis neurons. Davis KD, et al. **Exp Neurol** 1986 Jan;91(1):80–101

Expectancy–related cerebral potentials associated with voluntary time estimation and omitted stimulus. Takasaka Y. **Folia Psychiatr Neurol Jpn** 1985;39(2):167–72

A method for reconstructing patterns of somatosensory cerebral cortical activity. Tommerdahl M, et al. **ISA Trans** 1986;25(1):71–6

Body surface maps in the somatosensory cortex of rabbit. Gould HJ 3d. **J Comp Neurol** 1986 Jan 8;243(2):207–33

Somatosensory cortical representation in the Australian ghost bat, Macroderma gigas. Wise LZ, et al. **J Comp Neurol** 1986 Jun 8;248(2):257–62

Effects of cooling somatosensory cortex on response properties of tactile cells in the superior colliculus. Clemo HR, et al. **J Neurophysiol** 1986 Jun;55(6):1352–68

The representation of peripheral nerve inputs in the S–I hindpaw cortex of rats raised with incompletely innervated hindpaws. Wall JT, et al. **J Neurosci** 1986 Apr;6(4):1129–47

Responsiveness of ventrobasal thalamic neurons after suppression of S1 cortex in the anesthetized rat. Yuan B, et al. **J Neurosci** 1985 Nov;5(11):2971–8

Effect of morphine–induced cortical excitation on spinal sensory transmission. Hernandez A, et al. **J Neurosci Res** 1986;15(2):217–22

Maturation of central somatosensory conduction time in infancy and childhood. Lauffer H, et al. **Neuropediatrics** 1986 May;17(2):72–4

A study of the maturation of the somatosensory pathway by evoked potentials. Sitzoglou C, et al. **Neuropediatrics** 1985 Nov;16(4):205–8

Spatial–temporal organization of internal connections of the somatosensory cortex under conditions of awakening and soporific influences of the hypothalamus. Mogilevskii AYa, et al. **Neurosci Behav Physiol** 1985 Sep–Oct;15(5):387–94

Cortico–striatal relations under conditions of interaction of monomodal afferent volleys. Oganesyan GA, et al. **Neurosci Behav Physiol** 1985 Jul–Aug;15(4):304–9

Activity of neurons in limbic cortex during stimulation of somatosensory zones. Vagramyan ZA, et al. **Neurosci Behav Physiol** 1986 Jan–Feb;16(1):23–8

Cerebral neocortical neurons in the aged rat: spontaneous activity, properties of pyramidal tract neurons and effect of acetylcholine and cholinergic drugs. Lamour Y, et al. **Neuroscience** 1985 Dec;16(4):835–44

Electrophysiological study of the effects of D1 and D2 dopamine antagonists on the interaction of converging inputs from the sensory–motor cortex and substantia nigra neurons in the rat. Vives F, et al. **Neuroscience** 1986 Feb; 17(2):349–59

Effects of sensory denervation and deprivation on a single cortical vibrissal column studied with 2–deoxyglucose. Kossut M. **Physiol Bohemoslov** 1985;34 Suppl:79–83

Interferon as an endocoida candidate preventing and attenuating opiate addiction. Dafny N. **Prog Clin Biol Res** 1985;192:269–76

Somatotopic organization of the second somatosensory area (SII) in the cerebral cortex of the mouse. Carvell GE, et al. **Somatosens Res** 1986;3(3):213–37

[The modulation of corticofugal impulse from SII on acupuncture analgesia] Xu W, et al. **Chen Tzu Yen Chiu** 1985;10(3):173–7, 172 (Eng. Abstr.) **(Chi)**

[Effect of stimulation of SII or electroacupuncture on nociceptive responses of CM neurons of thalamus after lesion of the head of caudatum] Xu W, et al. **Chen Tzu Yen Chiu** 1985;10(4):278–82 (Eng. Abstr.) **(Chi)**

[Effect of changing the functional state of SII by GABA on the acupuncture effect of PF neurons] Xu W, et al. **Chen Tzu Yen Chiu** 1985;10(2):98–103 (Eng. Abstr.) **(Chi)**

[Somatosensory chronotopography: normative data] Colon E, et al. **EEG EMG** 1985 Dec;16(4):196–200 (Eng. Abstr.) **(Ger)**

[Age changes in early somatosensory evoked potentials] Strenge H. **EEG EMG** 1986 Jun;17(2):75–82 (Eng. Abstr.) **(Ger)**

[Functional organization of the kinesthetic projections of the 1st somatosensory region of the cat cortex] Fedan VA, et al. **Biull Eksp Biol Med** 1985 Nov;100(11):515–7 (Eng. Abstr.) **(Rus)**

[The role of the somatosensory cortex in the development of reflex analgesia] Kukushkin ML, et al. **Biull Eksp Biol Med** 1986 Jun;101(6):650–2 (Eng. Abstr.) **(Rus)**

[Modulating influence of the 2d somatosensory cortex of the cerebral cortex on the effects of electroacupuncture on the trigeminal nuclei] Reshetniak VK, et al. **Biull Eksp Biol Med** 1985 Sep;100(9):264–5 (Eng. Abstr.) **(Rus)**

[Effect of morphine on pain sensitivity after removal of the 1st and 2d somatosensory areas of the cerebral cortex in cats] Kukushkin ML. **Farmakol Toksikol** 1986 Jan–Feb; 49(1):38–40 (Eng. Abstr.) **(Rus)**

[Evaluation of the contribution of intracortical inhibition to the formation of properties of the receptive fields of neurons] Aleksandrov AA, et al. **Fiziol Zh** 1985 Sep–Oct; 31(5):592–8 (Eng. Abstr.) **(Rus)**

[Structuro–functional organization of intracortical inhibition] Batuev AS. **Fiziol Zh** 1985 Sep–Oct;31(5):530–8 (Eng. Abstr.) **(Rus)**

[Effect of experimental damage to the apical dendrites of pyramidal neurons of the sensomotor cortex on conditioned reflexes of different degrees of complexity] Kositsyn NS, et al. **Fiziol Zh** 1986 Jul–Aug;32(4):385–91 (Eng. Abstr.) **(Rus)**

[Interaction and dynamics of the excitatory and inhibitory reactions of populations of neurons in response to activation of the brain by stimuli of different modalities] Kratin IuG, et al. **Fiziol Zh** 1985 Sep–Oct;31(5):578–84 (Eng. Abstr.) **(Rus)**

[Neuronal organization of inhibition in columns of the somatic cortex in the rat] Sukhov AG, et al. **Fiziol Zh** 1985 Sep–Oct;31(5):584–9 (Eng. Abstr.) **(Rus)**

[Features of the homotopical and transcallosal potentials of the somatosensory and parietal cortex in the cat] Bozhko GT. **Fiziol Zh SSSR** 1986 Mar;72(3):273–9 (Eng. Abstr.) **(Rus)**

[The habituation process in the 1st somatosensory area of the intact and neuronally isolated cortex in cats] Siniaia MS, et al. **Izv Akad Nauk SSSR [Biol]** 1986 May–Jun; (3):455–9 (Eng. Abstr.) **(Rus)**

[Analysis of the components of synaptic potentials induced by corticofugal spikes in the rubrospinal neurons of the cat] Gorodnov VL, et al. **Neirofiziologiia** 1985; 17(5):692–700 (Eng. Abstr.) **(Rus)**

[Structure of the background neuronal activity in thin slices of guinea pig neocortex] Karnup SV, et al. **Neirofiziologiia** 1985;17(4):441–9 (Eng. Abstr.) **(Rus)**

[Postsynaptic reactions of neurons of the sensomotor cortex of the cat during evoked and self–sustained rhythmic activity of the "peak–wave" type] Labakhua TSh, et al. **Neirofiziologiia** 1986;18(3):298–306 (Eng. Abstr.) **(Rus)**

[Self–sustaining rhythmic activity of the "peak–wave" type and responses of neuronal and glial cells of the sensomotor cortex of the cat] Labakhua TSh, et al. **Neirofiziologiia** 1986;18(3):319–25 (Eng. Abstr.) **(Rus)**

[Slow electrical potentials arising after the initial response in the somatosensory cortex of the brain of the cat upon stimulation of the ventroposterolateral nucleus of the thalamus] Ocherashvili IV. **Neirofiziologiia** 1985; 17(4):435–41 (Eng. Abstr.) **(Rus)**

[Modulation of pyramidal responses of the sensomotor cortex after combined stimulation of the lateral hypothalamus and the sensomotor cortex of the rat] Shimko IA. **Neirofiziologiia** 1986;18(3):367–73 (Eng. Abstr.) **(Rus)**

[Analysis of the layer distribution of transcallosal responses

in the sensorimotor cortex of kittens in the 1st month of life] Bianki VL, et al. **Zh Evol Biokhim Fiziol** 1986 May-Jun;22(3):299-308 (Eng. Abstr.) **(Rus)**

[Somatosensory and auditory perception based on research data from using focused ultrasound] Tsirul'nikov EM. **Zh Evol Biokhim Fiziol** 1985 Nov-Dec;21(6):591-6 (21 ref.) **(Rus)**

[Changes in the phasic activity of neuron microsystems of the somatosensory cortex of the cat during extinction of activation reactions to unreinforced stimuli] Kratin IuG, et al. **Zh Vyssh Nerv Deiat** 1986 Mar-Apr;36(2):359-67 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

The effects of analgesics on pain-related somatosensory evoked potentials. Kobal G, et al. **Agents Actions [Suppl]** 1986;19:75-88

Modification of the projection from the sensory cortex to the motor cortex following the elimination of thalamic projections to the motor cortex in cats. Asanuma H, et al. **Brain Res** 1985 Oct 14;345(1):79-86

Respiratory-related cortical potentials evoked by inspiratory occlusion in humans. Davenport PW, et al. **J Appl Physiol** 1986 Jun;60(6):1843-8

[Intraoperative somatosensory evoked potentials (SSEP) in surgery of cerebral aneurysms: topographical information] Valencak E, et al. **Schweiz Arch Neurol Psychiatr** 1986; 137(1):61-76 (Eng. Abstr.) **(Ger)**

[Disputable problems of astereognosis] Perzanowska A. **Neurol Neurochir Pol** 1985 Sep-Oct;19(5):420-6 (30 ref.) **(Pol)**

[Changes in the time of central neural conduction and of the amplitude of the potential N10 of the somatosensory evoked potentials in a model of subarachnoid hemorrhage in baboons] Zawirski M, et al. **Neurol Neurochir Pol** 1985 May-Jun;19(3):241-6 (Eng. Abstr.) **(Pol)**

[Evaluation of the studies of somatosensory evoked potentials in the diagnosis of regional cerebral ischemia] Zawirski M. **Neurol Neurochir Pol** 1985 Jul-Aug;19(4):344-8 (11 ref.) **(Pol)**

[Effect of stimulation of the cortical sensomotor areas on the development of ischemic cardiac arrhythmias] Kositskii GI, et al. **Vestn Akad Med Nauk SSSR** 1985;(12):67-9 (Eng. Abstr.) **(Rus)**

[Somatosensory evoked potentials and their interhemispheric asymmetry during different stages of nocturnal sleep in healthy subjects and epilepsy] Biniaurishvili RG, et al. **Zh Vyssh Nerv Deiat** 1985 Jul-Aug;35(4):641-8 (Eng. Abstr.) **(Rus)**

SURGERY

Somatosensory evoked potentials after removal of somatosensory cortex in man. Slimp JC, et al. **Electroencephalogr Clin Neurophysiol** 1986 Mar;65(2):111-7

ULTRASTRUCTURE

Comparison between the dimensions of dendritic spines in the cerebral cortex of newborn and adult guinea pigs. Schüz A. **J Comp Neurol** 1986 Feb 15;244(3):277-85

Ultrastructural organization of posterior and anterior barrels in the somatosensory cortex of rat. Patel-Vaidya U. **J Neurosci Res** 1985;14(3):357-71

Stability of dendrites in cortical barrels of C57BL/6N mice between 4 and 45 months. Coleman PD, et al. **Neurobiol Aging** 1986 Mar-Apr;7(2):101-5

A correlative electron microscopic study of basket cells and large GABAergic neurons in the monkey sensory-motor cortex. DeFelipe J, et al. **Neuroscience** 1986 Apr; 17(4):991-1009

SOMATOSENSORY EVOKED POTENTIALS see **EVOKED POTENTIALS, SOMATOSENSORY**

SOMATOSTATIN

[Somatostatin. A review] Chrubasik J. **Anasth Intensivther Notfallmed** 1985 Aug;20(4):165-70 (96 ref.) (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

Treatment of enterocutaneous fistulas with somatostatin [letter] Hild P, et al. **Lancet** 1986 Sep 13;2(8507):626

Intrathecal somatostatin in terminally ill patients. A report of two cases. Meynadier J, et al. **Pain** 1985 Sep;23(1):9-12

[Spinal infusion of opiates and somatostatin] Chrubasik J, et al. **Masui** 1986 May;35(5):686-9 (28 ref.) **(Jpn)**

ANALOGS & DERIVATIVES

Endocrine profile of a long-acting somatostatin derivative SMS 201-995. Study in normal volunteers following subcutaneous administration. del Pozo E, et al. **Acta Endocrinol (Copenh)** 1986 Apr;111(4):433-9

Non-pituitary actions of somatostatin. A review on the therapeutic role of SMS 201-995 (sandostatin). Lamberts SW. **Acta Endocrinol [Suppl] (Copenh)** 1986;276:41-55

Modulation of functional gastrointestinal endocrine tumors by endogenous and exogenous somatostatin. Ellison EC, et al. **Am J Surg** 1986 Jun;151(6):668-75

Diabetic diarrhea and somatostatin [letter] Tsai ST, et al. **Ann Intern Med** 1986 Jun;104(6):894

Octapeptide analogs of somatostatin exhibiting greatly enhanced in vivo and in vitro inhibition of growth hormone secretion in the rat. Murphy WA, et al. **Biochem Biophys Res Commun** 1985 Nov 15;132(3):922-8

Effects of a somatostatin analogue (SMS 201-995) on hepatic and splenic reticulo-endothelial function in the rat. Baxter JN, et al. **Br J Surg** 1985 Dec;72(12):1005-8

Effects of a long-acting somatostatin analogue in patients with severe ileostomy diarrhoea. Cooper JC, et al. **Br J Surg** 1986 Feb;73(2):128-31

The effects of a somatostatin analogue SMS 201-995 on hepatic haemodynamics in the cirrhotic rat. Jenkins SA, et al. **Br J Surg** 1985 Nov;72(11):864-7

Effects of a somatostatin analogue SMS 201-995 on hepatic haemodynamics in the pig and on intravariceal pressure in man. Jenkins SA, et al. **Br J Surg** 1985 Dec; 72(12):1009-12

Remission of symptoms during long term treatment of metastatic pancreatic endocrine tumours with long acting somatostatin analogue. Ch'ng JL, et al. **Br Med J [Clin Res]** 1986 Apr 12;292(6526):981-2

Interaction between growth hormone releasing factor (GRF) and somatostatin analogue (SMS 201-995) in normal subjects. Losa M, et al. **Clin Endocrinol (Oxf)** 1985 Dec; 23(6):715-20

Reduced postprandial hyperglycemia after subcutaneous injection of a somatostatin-analogue (SMS 201-995) in insulin-dependent diabetes mellitus. Spinas GA, et al. **Diabetes Care** 1985 Sep-Oct;8(5):429-35

Effect of simultaneous infusion of a somatostatin analogue, insulin and glucose on serum triglycerides and blood glucose levels in man. Fukushima H, et al. **Endocrinol Jpn** 1985 Apr;32(2):241-8

Studies on the mechanism of action of the inhibitory effect of the somatostatin analog SMS 201-995 on the growth of the prolactin/adrenocorticotropin-secreting pituitary tumor 7315a. Lamberts SW, et al. **Endocrinology** 1986 Jun; 118(6):2188-94

Effect of two new antisecretory drugs on fluid and electrolyte transport in a patient with secretory diarrhoea. Edwards C, et al. **Gut** 1986 May;27(5):581-6

Inhibition of pentagastrin-stimulated acid secretion after subcutaneous administration of a new somatostatin analogue. Whitehouse I, et al. **Gut** 1986 Feb;27(2):141-6

Effect of twice daily subcutaneous administration of a long-acting somatostatin analog on 24-hour plasma glucose profiles in patients with insulin-dependent diabetes mellitus. Dimitriadis G, et al. **Horm Metab Res** 1985 Oct; 17(10):510-1

Development of specific and non-specific somatostatin analogs. Nakano T, et al. **Horm Metab Res** 1986 Feb; 18(2):98-102

The processing of receptor-bound [125I-Tyr11]somatostatin by RINm5F insulinoma cells. Sullivan SJ, et al. **J Biol Chem** 1986 Mar 15;261(8):3571-7

A comparison among the growth hormone-lowering effects in acromegaly of the somatostatin analog SMS 201-995, bromocriptine, and the combination of both drugs. Lamberts SW, et al. **J Clin Endocrinol Metab** 1986 Jul; 63(1):16-9

Therapeutic efficacy of a somatostatin analogue (SMS 201-995) in active acromegaly. Tolis G, et al. **J Neurosurg** 1986 Jul;65(1):37-40

Long-term treatment of acromegaly with the somatostatin analogue SMS 201-995 over 6 months. Plewe G, et al. **Klin Wochenschr** 1986 Apr 15;64(8):389-92

Prolonged treatment of Zollinger-Ellison syndrome by long-acting somatostatin [letter] Bonfils S, et al. **Lancet** 1986 Mar 8;1(8480):554-5

Rapid improvement in sleep apnoea of acromegaly after short-term treatment with somatostatin analogue SMS 201-995 [letter] Chanson P, et al. **Lancet** 1986 May 31; 1(8492):1270-1

Treatment of autonomic neuropathy with a somatostatin analogue SMS-201-995. Hoeldtke RD, et al. **Lancet** 1986 Sep 13;2(8507):602-5

Effectiveness of SMS 201-995, a synthetic, long-acting somatostatin analogue, in treatment of quinine-induced hyperinsulinaemia. Phillips RE, et al. **Lancet** 1986 Mar 29; 1(8483):713-6

Regression of liver metastases in patient with gastrin-secreting tumour treated with SMS 201-995 [letter] Shepherd JJ, et al. **Lancet** 1986 Sep 6;2(8506):574

Cyclic somatostatin octapeptide analogues with high affinity and selectivity toward mu opioid receptors. Gulya K, et al. **Life Sci** 1986 Jun 16;38(24):2221-9

Long-term treatment of acromegaly with the somatostatin analogue SMS 201-995 [letter] **N Engl J Med** 1986 May 22;314(21):1390-2

Treatment of inoperable glucagonoma with the long-acting somatostatin analogue SMS 201-995. Boden G, et al. **N Engl J Med** 1986 Jun 26;314(26):1686-9

A new treatment for an old disease [editorial] Daughaday WH. **N Engl J Med** 1985 Dec 19;313(25):1604-5

Treatment of the malignant carcinoid syndrome. Evaluation of a long-acting somatostatin analogue. Kvols LK, et al. **N Engl J Med** 1986 Sep 11;315(11):663-6

Rapid reversal of carcinoid crisis with a somatostatin analogue [letter] Kvols LK, et al. **N Engl J Med** 1985 Nov 7;313(19):1229-30

Long-term treatment of acromegaly with the somatostatin analogue SMS 201-995. Lamberts SW, et al. **N Engl J Med** 1985 Dec 19;313(25):1576-80

The carcinoid syndrome [editorial] Oates JA. **N Engl J Med** 1986 Sep 11;315(11):702-4

Characterization of somatostatin binding sites in cytosolic fraction of pig retina. Colás B, et al. **Neurosci Lett** 1986 Apr 11;65(2):193-8

Effects of somatostatin and a somatostatin agonist on diet-induced pancreatitis in mice. Degertekin H, et al. **Peptides** 1985 Nov-Dec;6(6):1245-7

Characteristics of [D-Trp8]-somatostatin-sensitive B50 phosphorylation. Dokas LA, et al. **Peptides** 1985 Nov-Dec; 6(6):1101-7

Autoradiographic localization of a non-reducible somatostatin analog (125I-CGP 23996) binding sites in the rat brain: comparison with membrane binding. Epelbaum J, et al. **Peptides** 1985 Jul-Aug;6(4):713-9

Somatostatin analogs with affinity for opiate receptors in rat brain binding assay. Pelton JT, et al. **Peptides** 1985;6 Suppl 1:159-63

Synthesis and biological activity of highly potent octapeptide analogs of somatostatin. Cai RZ, et al. **Proc Natl Acad Sci USA** 1986 Mar;83(6):1896-900

A comparison of the opioid antagonist properties of novel somatostatin analogs in vitro. Peterson LJ, et al. **Proc West Pharmacol Soc** 1985;28:165-7

Evidence for somatostatin binding sites in rabbit kidney. Roca B, et al. **Regul Pept** 1986 Feb;13(3-4):273-81

Observations on the effect of a somatostatin analog in the Zollinger-Ellison syndrome: implications for the treatment of apudomas. Ellison EC, et al. **Surgery** 1986 Aug; 100(2):437-44

The use of somatostatin and its analogs in the treatment of surgical disorders. Mulvihill S, et al. **Surgery** 1986 Sep; 100(3):467-76 (110 ref.)

[100 years of acromegaly: general lessons about a rare disease] Lamberts SW. **Ned Tijdschr Geneeskd** 1986 May 17; 130(20):902-4 **(Dut)**

[Effects of somatostatin and its analogue, des (Ala1, Gly2) [D-Trp8, D-Asu3,14]-somatostatin (SS-1), on gastric mucosal blood flow and gastric secretion] Nishimura T, et al. **Nippon Yakurigaku Zasshi** 1986 May;87(5):551-6 (Eng. Abstr.) **(Jpn)**

[Effects of somatostatin and its analog on gastric secretion. An application of the secretagogues to gastric secretion] Nomura M, et al. **Nippon Yakurigaku Zasshi** 1985 Sep; 86(3):189-95 (Eng. Abstr.) **(Jpn)**

[Natural peptides and their analogs. XXXV. Synthesis and properties of [Ala5, Orn9]somatostatin] Shvachkin IuP, et al. **Bioorg Khim** 1985 Aug;11(8):1026-36 (Eng. Abstr.) **(Rus)**

ANALYSIS

Duodenal somatostatinoma with psammoma bodies: an immunohistochemical and ultrastructural study. Taccagni GL, et al. **Am J Gastroenterol** 1986 Jan;81(1):33-7

Immunoreactive somatostatin in Warthin's tumor. Hayashi Y, et al. **Am J Pathol** 1986 May;123(2):250-5

The structure and hormone content of the endocrine pancreas of the one-humped camel (Camelus dromedarius). Khatim MS, et al. **Anat Anz** 1985;159(1-5):181-6

Somatostatin (somatostatinlike) immunoreactive cells in the human inner ear. Arnold W, et al. **Arch Otolaryngol Head Neck Surg** 1986 Sep;112(9):934-7

Insulin, glucagon, pancreatic polypeptide hormone and somatostatin in the goat pancreas: demonstration by immunocytochemistry. Reddy S, et al. **Aust J Biol Sci** 1985; 38(1):59-66

Ultrastructural morphometric analysis of somatostatin-like immunoreactive neurones in the rat central nervous system after labelling with colloidal gold. Foster GA, et al. **Brain Res** 1985 Sep 2;342(1):117-27

Neuropeptides in cerebral cortex of macaque monkey (Macaca fuscata fuscata): regional distribution and ontogeny. Hayashi M, et al. **Brain Res** 1986 Feb 5; 364(2):360-8

Characterization of forms of immunoreactive somatostatin in sensory neuron and normal and deafferented spinal cord. Tessler A, et al. **Brain Res** 1986 Apr 9;370(2):232-40

Immunoreactive somatostatin and calcitonin in pulmonary neuroendocrine tumor. Sano T, et al. **Cancer** 1986 Jan 1; 57(1):64-8

Ultrastructural characterization of neurosecretory fibres immunoreactive for vasotocin, isotocin, somatostatin, LHRH and CRF in the pituitary of a teleost fish, Poecilia latipinna. Batten TF. **Cell Tissue Res** 1986;244(3):661-72

Coexpression of somatostatin-like immunoreactivity and catecholaminergic properties in neural crest derivatives: comodulation of peptidergic and adrenergic differentiation in cultured neural crest. García-Arrarás JE, et al. **Dev Biol** 1986 Mar;114(1):247-57

Cellular distribution of insulin, glucagon, pancreatic polypeptide hormone and somatostatin in the fetal and adult pancreas of the guinea pig: a comparative immunohistochemical study. Reddy SN, et al. **Eur J Cell Biol** 1985 Sep;38(2):301-5

Isolation and characterization of proSS1-32, a peptide derived from the N-terminal region of porcine preprosomatostatin. Schmidt WE, et al. **FEBS Lett** 1985 Nov 11;192(1):141-6

Ontogeny of neuropeptidergic systems: luteinizing hormone releasing hormone (LHRH); somatostatin (SRIF) and neurophysin (NF) in the hypothalamus of the domestic pig

by immunocytochemistry. Polkowska J, et al. **Folia Histochem Cytobiol** 1985;23(4):193–200

Mucus, gastrin and somatostatin cells in cultured rat antral mucosa: immunofluorescence, ultrastructural and radioimmunological studies. Sahondramanarivo G, et al. **Gastroenterol Clin Biol** 1986 Mar;10(3):211–9

Diffuse somatostatin–immunoreactive D–cell hyperplasia in the stomach and duodenum. Holle GE, et al. **Gastroenterology** 1986 Sep;91(3):733–9

An elasmobranchian somatostatin: primary structure and tissue distribution in Torpedo marmorata. Conlon JM, et al. **Gen Comp Endocrinol** 1985 Dec;60(3):406–13

Evidence for somatostatin–like immunoreactivity in discrete cells of the anterior pituitary of camel (Camelus dromedarius). Quéré M, et al. **Gen Comp Endocrinol** 1985 Nov;60(2):187–95

Gastrin and somatostatin in patients with hyperchlorhydric duodenal ulcer. Kishimoto S, et al. **Hiroshima J Med Sci** 1985 Dec;34(4):441–9

Distribution, histochemistry and ultrastructure of somatostatin–like immunoreactive cells in the gastroenteric tract of the cartilaginous fish Scyliorhinus stellaris (L.). Tagliafierro G, et al. **Histochem J** 1985 Sep;17(9):1033–41

Somatostatin immunocytochemistry in the rabbit retina. Sagar SM, et al. **Invest Ophthalmol Vis Sci** 1986 Mar; 27(3):316–22

Elaboration of nonsomatostatin peptides containing the amino–terminal portion of prosomatostatin in a somatostatin–secreting human medullary thyroid carcinoma cell line. Aron DC, et al. **J Clin Endocrinol Metab** 1986 Jun;62(6):1237–42

Somatostatin and adrenocorticotrophic hormone like immunoreactivity in small cell carcinoma of the lung. Chretien MF, et al. **J Clin Pathol** 1986 Apr;39(4):418–22

Distribution of immunoreactive somatostatin (ISRIF) in the nervous system of the squid, Loligo pealei. Feldman SC. **J Comp Neurol** 1986 Mar 8;245(2):238–57

Somatostatin–like immunoreactivity in neurons, nerve terminals, and fibers of the cat spinal cord. Krukoff TL, et al. **J Comp Neurol** 1986 Jan 1;243(1):13–22

Central somatostatin systems revealed with monoclonal antibodies. Vincent SR, et al. **J Comp Neurol** 1985 Aug 8;238(2):169–86

Somatostatin immunoreactive neurons in rat visual cortex: a light and electron microscopic study. Meinecke DL, et al. **J Neurocytol** 1986 Feb;15(1):121–36

Somatostatin immunoreactivity in cortical and some subcortical regions in Alzheimer's disease. Candy JM, et al. **J Neurol Sci** 1985 Dec;71(2–3):315–23

Topography of NPY–, somatostatin–, and VIP–immunoreactive, neuronal subpopulations in the guinea pig celiac–superior mesenteric ganglion and their projection to the pylorus. Lindh B, et al. **J Neurosci** 1986 Aug;6(8):2371–83

Somatostatin–like peptides alter calcium but not secretin sensitivity of gastrinoma cells. Woltering EA, et al. **J Surg Res** 1986 Jun;40(6):605–10

Vasoactive intestinal polypeptide–, somatostatin– and substance P–immunoreactive nerves in the smooth and striated muscle of the intrinsic external urethral sphincter of patients with spinal cord injury. Crowe R, et al. **J Urol** 1986 Aug;136(2):487–91

Huntington's disease: effect of cysteamine, a somatostatin–depleting agent. Shults C, et al. **Neurology** 1986 Aug;36(8):1099–102

Somatostatin–like immunoreactivity and somatostatin receptor binding in rat brain before and after pentylenetetrazol–induced convulsion. Pitkänen A, et al. **Neuropeptides** 1986 Jan;7(1):63–71

High–molecular–weight forms of somatostatin are reduced in Alzheimer's disease and Down's syndrome. Pierotti AR, et al. **Neurosci Lett** 1986 Jan 16;63(2):141–6

Striatal neurons expressing somatostatin–like immunoreactivity: evidence for a peptidergic interneuronal system in the cat. Chesselet MF, et al. **Neuroscience** 1986 Mar;17(3):547–71

The localization and origin of somatostatin–containing fibers in an auditory brainstem nucleus. Morley BJ. **Peptides** 1985; 6 Suppl 1:165–72

Immunoreactive and bioactive somatostatin–like material is present in tobacco (Nicotiana tabacum). Werner H, et al. **Peptides** 1985 Sep–Oct;6(5):797–802

The effects of cysteamine on dopamine–mediated behaviors: evidence for dopamine–somatostatin interactions in the striatum. Martin–Iverson MT, et al. **Pharmacol Biochem Behav** 1986 Jun;24(6):1707–14

Molecular forms of somatostatin, substance P and neurotensin in fresh human cerebral cortex. Bateman DE, et al. **Regul Pept** 1986 May;14(3):211–6

Antral gastrin– and somatostatin–producing cells and intraluminal peptide secretion in normal subjects and duodenal ulcer patients with and without vagotomy. Gutiérrez O, et al. **Regul Pept** 1986 Apr;14(2):133–43

Effect of starvation on endocrine cells in the rat stomach. Schwarting H, et al. **Regul Pept** 1986 Mar;14(1):33–9

Presence of neuron–specific enolase and somatostatin in human parathyroid tissues. Weber CJ, et al. **Surgery** 1985 Dec;98(6):1008–12

Leu–enkephalin and somatostatin immunoreactivities in canine and equine pheochromocytomas. Wilson RB, et al. **Vet Pathol** 1986 Jan;23(1):96–8

[The relation between peptic ulcer and antral G and D cells] Chen ZY, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Apr; 25(4):211–4, 253 (Eng. Abstr.) **(Chi)**

[Somatostatin in lamprey brains (Lampetra planeri Bloch)] Hoheisel G, et al. **Acta Histochem [Suppl] (Jena)** 1986; 33:259–64 (Eng. Abstr.) **(Ger)**

[The effect of antral branch on canine antral gastrin and somatostatin concentrations in gastric vagotomy] Tsutsui M. **Nippon Geka Gakkai Zasshi** 1985 Nov;86(11):1505–16 (Eng. Abstr.) **(Jpn)**

[Immunohistological demonstration of peptide hormones and serotonin in ovarian mucinous and endometrioid tumors with argyrophil cells] Inoue Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Mar;38(3):361–5 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Effect of hypophysectomy on somatostatin–14 and somatostatin–28 biosynthesis in the rat hypothalamus. Wetsel WC, et al. **Brain Res** 1986 Apr 9;370(2):315–20

Somatostatin production by a human medullary thyroid carcinoma cell line. Gagel RF, et al. **Endocrinology** 1986 Apr;118(4):1643–51

Secretion of somatostatin by Saccharomyces cerevisiae. Correct processing of an alpha–factor–somatostatin hybrid. Green R, et al. **J Biol Chem** 1986 Jun 5;261(16):7558–65

Analysis of somatostatin peptides produced by an endocrine pancreatic cell line. Skalli S, et al. **Peptides** 1986;7 Suppl 1:261–3

BLOOD

Plasma somatostatin is elevated in primary hypothyroidism compared with hyperthyroidism. Skare S, et al. **Acta Endocrinol (Copenh)** 1986 Mar;111(3):331–5

Somatostatin, insulin and glucagon after arginine stimulation in active and treated acromegaly. Skare S, et al. **Acta Endocrinol (Copenh)** 1986 Feb;111(2):145–50

Circulating immunoreactive somatostatin in man. Effect of age, pregnancy, growth hormone deficiency and achlorhydria. Webb SM, et al. **Acta Endocrinol (Copenh)** 1985 Oct;110(2):145–51

Plasma concentrations of motilin, somatostatin and pancreatic polypeptide before, during and after parturition. Jenssen TG, et al. **Acta Obstet Gynecol Scand** 1986;65(2):153–6

Influence on plasma levels of somatostatin, gastrin, glucagon, insulin and VIP–like immunoreactivity in peripheral venous blood of anaesthetized cats induced by low intensity afferent stimulation of the sciatic nerve. Uvnäs–Moberg K, et al. **Acta Physiol Scand** 1986 Feb;126(2):225–30

Effect of exocrine pancreatic secretagogues on circulating somatostatin in dogs. Beglinger C, et al. **Am J Physiol** 1986 Jan;250(1 Pt 1):G15–20

Early changes in plasma pancreatic polypeptide, somatostatin, gastrin and motilin levels induced by H. contortus infection in lamb. Honde C, et al. **Ann Rech Vet** 1985;16(3):195–200

Variations in plasma motilin, somatostatin, and pancreatic polypeptide concentrations and the interdigestive myoelectric complex in dog. Poitras P, et al. **Can J Physiol Pharmacol** 1985 Dec;63(12):1495–500

Substance P mechanism in cluster headache: evaluation in plasma and cerebrospinal fluid. Sicuteri F, et al. **Cephalalgia** 1985 Sep;5(3):143–9

Effect of composition of mixed meals—low– versus high–carbohydrate content—on insulin, glucagon, and somatostatin release in healthy humans and in patients with NIDDM. Gutniak M, et al. **Diabetes Care** 1986 May–Jun; 9(3):244–9

Effect of glucagon antibodies on plasma glucose, insulin and somatostatin in the fasting and fed rat. Tan K, et al. **Diabetologia** 1985 Jul;28(7):435–40

Plasma somatostatin–like immunoreactivity responses to a mixed meal and the heterogeneity in healthy and non–insulin–dependent (NIDDM) diabetics. Miyazaki K, et al. **Endocrinol Jpn** 1986 Feb;33(1):51–9

On the fate of centrally administered somatostatin in the rat: massive hypersomatostatinemia resulting from leakage into the peripheral circulation has effects on growth hormone secretion and glucoregulation. Tannenbaum GS, et al. **Endocrinology** 1986 May;118(5):2137–43

Effects of corticotropin–releasing factor on plasma motilin and somatostatin levels and gastrointestinal motility in dogs. Bueno L, et al. **Gastroenterology** 1986 Oct;91(4):884–9

Effects of insulin on fasting and meal–stimulated somatostatin–like immunoreactivity in noninsulin–dependent diabetes mellitus: evidence for more than one mechanism of action. Gutniak M, et al. **J Clin Endocrinol Metab** 1986 Jan;62(1):77–83

Circulating somatostatin concentrations in healthy and cirrhotic subjects. Verrillo A, et al. **Metabolism** 1986 Feb; 35(2):130–5

Somatostatin response to a mixed meal in normals and in type I diabetics. Uccioli L, et al. **Peptides** 1986;7 Suppl 1:287–91

Effect of atropine on plasma gastrin and somatostatin concentrations during sham feeding in man. Feldman M, et al. **Regul Pept** 1985 Nov 28;12(4):345–52

Effect of haemorrhagic shock and duodenal instillation of blood on the plasma profiles of somatostatin and motilin in pigs. A study of molecular plasma components. Jenssen TG, et al. **Scand J Gastroenterol** 1986 Apr;21(3):281–90

Blood levels of somatostatin, pancreatic polypeptide and gastrin in normal cows and in cows suffering from abomasal dilatation. Vlaminck K, et al. **Zentralbl Veterinarmed [A]** 1986 May;33(4):241–6

[Structural and hormonal alterations in the pancreas after hepatectona in dogs] Shobu R, et al. **Nippon Geka Gakkai Zasshi** 1986 Jan;87(1):61–6 (Eng. Abstr.) **(Jpn)**

CEREBROSPINAL FLUID

CSF somatostatin and abnormal response to dexamethasone administration in schizophrenic and depressed patients. Doran AR, et al. **Arch Gen Psychiatry** 1986 Apr; 43(4):365–9

Cerebrospinal fluid vasopressin, oxytocin, somatostatin, and beta–endorphin in Alzheimer's disease. Raskind MA, et al. **Arch Gen Psychiatry** 1986 Apr;43(4):382–8

Beta–endorphin and somatostatin concentrations in the ventricular cerebrospinal fluid of patients with affective disorder. Black PM, et al. **Biol Psychiatry** 1986 Sep; 21(11):1077–81

Cerebrospinal fluid somatostatin and psychiatric illness. Rubinow DR. **Biol Psychiatry** 1986 Apr;21(4):341–65

Somatostatin regulation of the CRF–ACTH–cortisol axis. Serby M, et al. **Biol Psychiatry** 1986 Aug;21(10):971–4

Ventricular somatostatin–like immunoreactivity in patients with basal ganglia disease. Cramer H, et al. **J Neurol** 1985; 232(4):219–22

Somatostatin–like immunoreactivity and substance–P–like immunoreactivity in the CSF of patients with senile dementia of Alzheimer type, multi–infarct syndrome and communicating hydrocephalus. Cramer H, et al. **J Neurol** 1985;232(6):346–51

Human cerebrospinal fluid somatostatin in neurologic disease. Beal MF, et al. **J Neurol Sci** 1985 Nov;71(1):91–104

Patients with Alzheimer's disease show an increased content of 15 Kdalton somatostatin precursor and a lowered level of tetradecapeptide in their cerebrospinal fluid. Gomez S, et al. **Life Sci** 1986 Aug 18;39(7):623–7

CSF somatostatin–like immunoreactivity in dementia. Beal MF, et al. **Neurology** 1986 Feb;36(2):294–7

Ventricular fluid somatostatin concentration decreases in childhood–onset dystonia. Thal LJ, et al. **Neurology** 1985 Dec;35(12):1742–6

CSF cyclic nucleotides and somatostatin in Parkinson's disease. Volicer L, et al. **Neurology** 1986 Jan;36(1):89–92

Relationship between cerebrospinal fluid somatostatin and peripheral thyroid hormones with carbamazepine treatment. Joffe RT, et al. **Neuropsychobiology** 1985; 14(3):115–7

Molecular size distribution of somatostatin–like immunoreactivity in the cerebrospinal fluid of patients with degenerative brain disease. Risaler K, et al. **Neurosci Res** 1986 Feb;3(3):213–25

CSF somatostatin in affective illness and normal volunteers. Rubinow DR, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1985; 9(4):393–400

Effects of haloperidol on somatostatin–like immunoreactivity in the CSF of Schizophrenic patients. Gattaz WF, et al. **Psychiatry Res** 1986 Jan;17(1):1–6

[Somatostatin and vasoactive intestinal polypeptide in the cerebrospinal fluid of patients with neurological disorders] Shimatsu A, et al. **Rinsho Shinkeigaku** 1985 Nov; 25(11):1305–10 (Eng. Abstr.) **(Jpn)**

DEFICIENCY

Effects of somatostatin deficiency on cell distribution within the Langerhans islets. Fujita Y, et al. **Diabetes Res Clin Pract** 1985–86 Mar;1(6):335–42

DIAGNOSTIC USE

Plasma growth hormone responses to somatostatin (SRIH) and SRIH receptors in pituitary adenomas in acromegalic patients. Ikuyama S, et al. **J Clin Endocrinol Metab** 1986 Apr;62(4):729–33

Effect of somatostatin on oesophageal variceal pressure assessed by direct measurement. Clements D, et al. **J Hepatol** 1986;2(2):262–6

GENETICS

Methods for the identification of neuropeptide processing products: somatostatin and the tachykinins. Harmar AJ, et al. **Methods Enzymol** 1986;124:335–48

Identification of a cyclic–AMP–responsive element within the rat somatostatin gene. Montminy MR, et al. **Proc Natl Acad Sci USA** 1986 Sep;83(18):6682–6

Gonadotroph–specific expression of metallothionein fusion genes in pituitaries of transgenic mice. Low MJ, et al. **Science** 1986 Feb 28;231(4741):1002–4

IMMUNOLOGY

Somatostatin–like immunoreactivity in non–pyramidal neurons of the human isocortex. Braak E, et al. **Anat Embryol (Berl)** 1985;173(2):237–46

Somatostatin–like immunoreactivity in the pituitary and brain of three teleost fish species: somatostatin as a potential regulator of prolactin cell function. Grau EG, et al. **Gen Comp Endocrinol** 1985 Sep;59(3):350–7

Antigenic specificity of a new and potent somatostatin antiserum. Tamarit–Rodriguez J, et al.

Horm Metab Res 1985 Dec;17(12):623–5

Differential effects of passive immunization with somatostatin antiserum on adenohypophysial hormone secretions in starved rats. Hugues JN, et al. **J Endocrinol** 1986 May; 109(2):169–74

An experimental analysis of the origins of somatostatin–like immunoreactivity in the dentate gyrus of the rat. Bakst I, et al. **J Neurosci** 1986 May;6(5):1452–62

Multiple forms of somatostatin–like immunoreactivity are not influenced by cholinergic denervation of rat hippocampus. Pierotti AR, et al. **Neurosci Lett** 1986 Jan 30;63(3):243–6

ISOLATION & PURIFICATION

Somatostatin–like material is present in flowering plants. LeRoith D, et al. **Endocrinology** 1985 Nov;117(5):2093–7

Purification of somatostatin from frog brain: coisolation with retinal somatostatin–like immunoreactivity. Takami M, et al. **J Neurochem** 1985 Dec;45(6):1869–74

METABOLISM

Vasoactive intestinal polypeptide and somatostatin in experimental endogenous gram–negative peritonitis. Almdahl SM, et al. **Acta Chir Scand** 1986 Feb;152:135–8

Rapid depletion of somatostatin in isolated mouse pancreatic islets after treatment with cysteamine. Petersson B, et al. **Acta Endocrinol (Copenh)** 1985 Oct;110(2):227–31

Somatostatinoma of the pancreas. Shirouzu K, et al. **Acta Pathol Jpn** 1985 Sep;35(5):1285–92

Capillary orientation of rat pancreatic D–cell processes: evidence for endocrine release of somatostatin. Aponte G, et al. **Am J Physiol** 1985 Nov;249(5 Pt 1):G599–606

Specific binding and degradation of somatostatin by membrane vesicles from pig gut. Weber M, et al. **Am J Physiol** 1986 May;250(5 Pt 1):G679–85

Ontogeny of cells containing insulin, glucagon, pancreatic polypeptide hormone and somatostatin in the bovine pancreas. Reddy SN, et al. **Aust J Biol Sci** 1985; 38(3):237–43

Conversion of somatostatin–28 to somatostatin–14 during maturation of epithelial cells in the porcine jejunum. Schäfer G, et al. **Biochim Biophys Acta** 1986 Mar 14; 885(3):240–7

Specific somatostatin–binding to cytosol of bovine gallbladder mucosa. Arilla E, et al. **Biosci Rep** 1986 Mar; 6(3):283–91

Somatostatin–28(1–12)–like immunoreactivity is reduced in Alzheimer's disease cerebral cortex. Beal MF, et al. **Brain Res** 1986 Mar 19;368(2):380–3

Excitotoxin lesions do not mimic the alteration of somatostatin in Huntington's disease. Beal MF, et al. **Brain Res** 1985 Dec 30;361(1–2):135–45

The distribution of somatostatin–immunoreactive neurons in the visual cortex of adult rabbits and during postnatal development. Cajal–Agüeras SR, et al. **Brain Res** 1985 Dec 16;359(1–2):379–82

Modifications in the cortical regional distribution of choline acetyltransferase, somatostatin and somatostatin binding sites in the normal rat and following lesion of the nucleus basalis. Epelbaum J, et al. **Brain Res** 1986 Apr 23; 371(2):376–9

Localization and characterization of brain somatostatin receptors as studied with somatostatin–14 and somatostatin–28 receptor radioautography. Leroux P, et al. **Brain Res** 1985 Nov 11;347(1):74–84

Somatostatin– and neuropeptide Y–immunoreactive neurons in the neocortex in senile dementia of Alzheimer's type. Nakamura S, et al. **Brain Res** 1986 Apr 2;370(1):11–20

So–called interplexiform cells immunoreactive to tyrosine hydroxylase or somatostatin in rat retina. Negishi K, et al. **Brain Res** 1985 Oct 28;346(1):136–40

Neuropeptide Y–immunoreactive neurons in the striatum of cat and monkey: morphological characteristics, intrinsic organization and co–localization with somatostatin. Smith Y, et al. **Brain Res** 1986 May 7;372(2):241–52

Cysteamine effects on somatostatin, catecholamines, pineal NAT and melatonin in rats. Webb SM, et al. **Brain Res Bull** 1986 Mar;16(3):315–20

Presence of somatostatin–like immunoreactivity in rat pancreatic juice: a physiological phenomenon. Sarfati PD, et al. **Can J Physiol Pharmacol** 1986 May;64(5):539–44

Effects of hibernation on somatostatin–like immunoreactivity in the brain of the ground squirrel (Spermophilus richardsonii) and European hedgehog (Erinaceus europacus). Nürnberger F, et al. **Cell Tissue Res** 1986; 243(2):263–71

Somatostatin binding sites in cytosolic fraction of rabbit intestinal mucosa: distribution throughout the intestinal tract. López–Ruiz MP, et al. **Comp Biochem Physiol [B]** 1985;81(4):1041–4

Changes in the somatostatin, substance P and vasoactive intestinal polypeptide content of the gastrointestinal tract following streptozotocin–induced diabetes in the rat. Ballmann M, et al. **Diabetologia** 1985 Jun;28(6):355–8

Nonsomatostatin secretory peptide(s) derived from prosomatostatin's amino terminus in a rat medullary thyroid carcinoma cell line. Aron DC, et al. **Endocrinology** 1986 Jan;118(1):218–22

Effects of cysteamine administration on the in vivo incorporation of [35S]cysteine into somatostatin–14, somatostatin–28, arginine vasopressin, and oxytocin in rat hypothalamus. Cameron JL, et al. **Endocrinology** 1986 Sep; 119(3):1292–7

17 beta–estradiol induces somatostatin (SRIF) inhibition of prolactin release and regulates SRIF receptors in rat anterior pituitary cells. Kimura N, et al. **Endocrinology** 1986 Sep;119(3):1028–36

Involvement of corticotropin–releasing factor and somatostatin in stress–induced inhibition of growth hormone secretion in the rat. Rivier C, et al. **Endocrinology** 1985 Dec;117(6):2478–82

Somatostatin metabolism by the isolated rat lung. Ruggere MD, et al. **Endocrinology** 1985 Nov;117(5):1870–3

Effects of carbamazepine and valproic acid on brain immunoreactive somatostatin and gamma–aminobutyric acid in amygdaloid–kindled rats. Higuchi T, et al. **Eur J Pharmacol** 1986 Jun 17;125(2):169–75

In vivo synthesis and processing of rat hypothalamic prosomatostatin. Camier M, et al. **FEBS Lett** 1986 Feb 3; 196(1):14–8

Antral release of gastrin and somatostatin in duodenal ulcer and control subjects. Harty RF, et al. **Gut** 1986 Jun; 27(6):652–8

An immunocytochemical investigation with monoclonal antibodies to somatostatin. Buchan AM, et al. **Histochemistry** 1985;83(2):175–80

Somatostatin–like immunoreactivity (SLI) in pancreatic and intestinal tissues of the duck. A possible origin for the portal circulating SLI. Di Scala–Guenot D, et al. **Horm Metab Res** 1985 Nov;17(11):566–71

Phorbol ester or diacylglycerol modulates somatostatin binding to its receptors on rat pancreatic acinar cell membranes. Matozaki T, et al. **J Biol Chem** 1986 Jan 25; 261(3):1414–20

Somatostatin receptors on rat pancreatic acinar cells. Pharmacological and structural characterization and demonstration of down–regulation in streptozotocin diabetes. Srikant CB, et al. **J Biol Chem** 1986 Jun 15; 261(17):7690–6

Receptor–bound somatostatin and epidermal growth factor are processed differently in GH4C1 rat pituitary cells. Presky DH, et al. **J Cell Biol** 1986 Mar;102(3):878–88

An immunohistochemical characterization of somatostatin–28 and somatostatin–281–12 in monkey prefrontal cortex. Lewis DA, et al. **J Comp Neurol** 1986 Jun 1;248(1):1–18

Glutamic acid decarboxylase and somatostatin immunoreactivities in rat visual cortex. Lin CS, et al. **J Comp Neurol** 1986 Feb 15;244(3):369–83

Somatostatin receptors: distribution in rat central nervous system and human frontal cortex. Uhl GR, et al. **J Comp Neurol** 1985 Oct 15;240(3):288–304

Somatostatin binding sites in human and monkey brain: localization and characterization. Beal MF, et al. **J Neurochem** 1986 Feb;46(2):359–65

Somatostatin precursor in the rat striatum: changes after local injection of kainic acid. Sperk G, et al. **J Neurochem** 1985 Nov;45(5):1441–7

Cyclic AMP regulates somatostatin mRNA accumulation in primary diencephalic cultures and in transfected fibroblast cells. Montminy MR, et al. **J Neurosci** 1986 Apr; 6(4):1171–6

Elevation of somatoststin content, and reduction of somatostatin release by GABA in rat pancreatic islets. Yoshioka M. **Kobe J Med Sci** 1986 Feb;32(1):27–38

Localization of somatostatin receptors. Pelletier G, et al. **Methods Enzymol** 1986;124:607–17

Reduced brain somatostatin levels in Alzheimer's disease [letter] Tamminga CA, et al. **N Engl J Med** 1985 Nov 14; 313(20):1294–5

Capsaicin in adult frogs: effects on nociceptive responses to cutaneous stimuli and on nervous tissue concentrations of immunoreactive substance P, somatostatin and cholecystokinin. Chéry–Croze S, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Nov; 331(2–3):159–65

Genotypic differences in age and chronic alcohol exposure effects on somatostatin levels in hippocampus and striatum in mice. Fuhrmann G, et al. **Neurochem Res** 1986 May; 11(5):625–36

Thyroidectomy abolishes pulsatile growth hormone secretion without affecting hypothalamic somatostatin. Martin D, et al. **Neuroendocrinology** 1985 Dec;41(6):476–81

Correlation of mitochondrial swelling after capsaicin treatment and substance P and somatostatin immunoreactivity in small neurons of dorsal root ganglion in the rat. Chiba T, et al. **Neurosci Lett** 1986 Mar 14; 64(3):311–6

Acetylcholinesterase and somatostatin–immunoreactivity coexist in human neocortex. Nakamura S, et al. **Neurosci Lett** 1985 Oct 24;61(1–2):183–7

Somatostatin immunoreactivity in the entopeduncular projection to the lateral habenula in the rat. Vincent SR, et al. **Neurosci Lett** 1986 Jul 24;68(2):160–4

Electron microscopic immunocytochemical study of somatostatin neurons in the periventricular nucleus of the rat hypothalamus with special reference to their relationships with homologous neuronal processes. Alonso G, et al. **Neuroscience** 1985 Oct;16(2):297–306

Somatostatin–immunoreactive amacrine cells of chicken retina: retinal mosaic, ultrastructural features, and light–driven variations in peptide metabolism. Ishimoto I, et al. **Neuroscience** 1986 Apr;17(4):1217–33

Autoradiographic mapping of somatostatin receptors in the rat central nervous system and pituitary. Reubi JC, et al. **Neuroscience** 1985 Aug;15(4):1183–93

Autoradiographic localization of a non–reducible somatostatin analog (125I–CGP 23996) binding sites in the rat brain: comparison with membrane binding. Epelbaum J, et al. **Peptides** 1985 Jul–Aug;6(4):713–9

Calcium–dependence of somatostatin binding to receptors. Susini C, et al. **Peptides** 1985 Sep–Oct;6(5):831–3

Permeability of epidural somatostatin and morphine into the intrathecal space of dogs. Chrubasik J, et al. **Regul Pept** 1986 Jan;13(2):119–24

Different ionic requirements for somatostatin receptor subpopulations in the brain. Reubi JC, et al. **Regul Pept** 1986 Jul;14(4):301–11

Somatostatin: alterations in the central nervous system in neurological diseases. Beal MF, et al. **Res Publ Assoc Res Nerv Ment Dis** 1986;64:215–57 (258 ref.)

PHARMACODYNAMICS

Effect of somatostatin on hyperamylasemia following endoscopic pancreatography. Tydén G, et al. **Acta Chir Scand [Suppl]** 1986;530:43–5

Inhibitory action of somatostatin on meiotic maturation of cultured porcine follicular ova. Mori T, et al. **Acta Endocrinol (Copenh)** 1985 Nov;110(3):408–12

Somatostatin induced apnoea: prevention by central and peripheral administration of the opiate receptor blocking agent naloxone. Hürfstrand A, et al. **Acta Physiol Scand** 1985 Sep;125(1):91–5

Dual inhibitory actions of somatostatin on isolated gastric glands. Nylander O, et al. **Acta Physiol Scand** 1985 Sep; 125(1):111–9

Are prostaglandins involved in somatostatin mediated inhibition of gastric secretion in the cat? Albinus M, et al. **Agents Actions** 1986 Apr;18(1–2):205–9

Effects of somatostatin on ethanol–induced gastric erosions in the rat: role of mast cells. Diel F, et al. **Agents Actions** 1986 Apr;18(1–2):273–5

Somatostatin induces ectopic activity fronts via a local intestinal mechanism during fed state or pentagastrin. Schippers E, et al. **Am J Physiol** 1986 Feb;250(2 Pt 1):G149–54

Inhibitory peptidergic neurons: functional difference between somatostatin and enkephalin in myenteric plexus. Yau WM, et al. **Am J Physiol** 1986 Jan;250(1 Pt 1):G60–3

Effects of gastrin, glutamine, and somatostatin on the in vitro growth of normal and malignant human gastric mucosal cells. Moyer MP, et al. **Arch Surg** 1986 Mar;121(3):285–8

Gastro–intestinal tract function in sheep infused with somatostatin. Barry TN, et al. **Aust J Biol Sci** 1985; 38(4):393–403

Inhibition by somatostatin of the release of growth hormone induced by lysine–vasopressin in normal subjects. Chiodera P, et al. **Biomed Pharmacother** 1985;39(6):334–7

Negative inotropic effect of somatostatin in guinea–pig atrial fibres. Diez J, et al. **Br J Pharmacol** 1985 Nov;86(3):547–55

Effect of somatostatin on renal function. Vora JP, et al. **Br Med J [Clin Res]** 1986 Jun 28;292(6537):1701–2

Somatostatin and cholecystokinin octapeptide differentially modulate the release of [3H]acetylcholine from caudate nucleus but not cerebral cortex: role of dopamine receptor activation. Arnerić SP, et al. **Brain Res** 1986 May 21; 374(1):153–61

Intracerebroventricular infusion of somatostatin selectively increases paradoxical sleep in rats. Danguir J. **Brain Res** 1986 Mar 5;367(1–2):26–30

Is the effect of somatostatin on muscarinic receptors selective to M1 type? Miyoshi R, et al. **Brain Res** 1986 Jul 9; 377(2):348–50

Substance P and somatostatin modulate spinal cord excitability via physiologically different sensory pathways. Wiesenfeld–Hallin Z. **Brain Res** 1986 Apr 30;372(1):172–5

A comparison of the inhibitory effects of somatostatin–14, –25, and –28 on motility of the guinea pig ileum. McIntosh CH, et al. **Can J Physiol Pharmacol** 1986 Mar;64(3):303–6

The interaction of human pancreatic growth hormone releasing factor 1–44 with somatostatin in vivo in normal man. Davies RR, et al. **Clin Endocrinol (Oxf)** 1985 Sep; 23(3):271–6

Somatostatin and water excretion in man: an intrarenal action. Walker BJ, et al. **Clin Endocrinol (Oxf)** 1985 Aug; 23(2):169–74

Effects of somatostatin, naloxone and prochlorperazine on the control of ventilation in man. Maxwell DL, et al. **Clin Sci** 1986 Jun;70(6):547–54

Altered activation by calcitonin and inhibition by somatostatin of human embryonal carcinoma cell adenylate cyclase with retinoic acid–induced differentiation. Lispi C, et al. **Dev Biol** 1986 Jan;113(1):141–6

Effect of somatostatin on amylase secretion from in vivo and in vitro rat pancreas. Singh M. **Dig Dis Sci** 1986 May; 31(5):506–12

Effects of somatostatin on hepatic haemodynamics in the cirrhotic rat. Jenkins SA, et al. **Digestion** 1986;33(3):126–34

Effect of somatostatin on splanchnic hemodynamics in patients with liver cirrhosis and portal hypertension. Merkel C, et al. **Digestion** 1985;32(2):92–8

The effect of adding albumin to solutions of somatostatin (SST–14) on inhibiting pentagastrin–stimulated acid secretion in man. Whitehouse I, et al. **Digestion** 1986; 33(2):69–73

Growth hormone release: interaction of increased

extracellular calcium and somatostatin. Stachura ME. **Endocr Res** 1986;12(1):69–92

The effect of age on somatostatin suppression of basal, growth hormone (GH)–releasing factor–stimulated, and dibutyryl adenosine 3',5'–monophosphate–stimulated GH release from rat pituitary cells in monolayer culture. Cuttler L, et al. **Endocrinology** 1986 Jul;119(1):152–8

Somatostatin inhibits corticotropin–releasing factor–stimulated adrenocorticotropin release, adenylate cyclase, and activation of adenosine 3',5'–monophosphate–dependent protein kinase isoenzymes in AtT20 cells. Litvin Y, et al. **Endocrinology** 1986 Aug; 119(2):737–45

Release of growth hormone (GH) from purified somatotrophs: interaction of GH–releasing factor and somatostatin and role of adenosine 3',5'–monophosphate. Sheppard MS, et al. **Endocrinology** 1985 Dec; 117(6):2364–70

Effect of somatostatin on the adenine nucleotide levels in the liver and skeletal muscle of rat during hyperthermia. Torlińska T, et al. **Endokrynol Pol** 1985;36(4):221–7

Somatostatin's ability to inhibit gastric acid is not prostaglandin–mediated in the dog. Gerber JG, et al. **Eur J Pharmacol** 1986 Jun 24;125(3):449–52

Blood pressure following microinjection of somatostatin related peptides into the rat nucleus tractus solitarii. Koda LY, et al. **Eur J Pharmacol** 1985 Jul 31;113(3):425–30

Effects of somatostatin on dopamine sensitive adenylate cyclase activity in the caudate–putamen of the rat. Moser A, et al. **Exp Brain Res** 1986;62(3):567–71

Further studies on the inhibitory effects of somatostatin on the growth and steroidogenic capacity of rat adrenal zona glomerulosa. Robba C, et al. **Exp Pathol** 1986;29(2):77–82

Growth–hormone releasing factor does not antagonize somatostatin effects on pancreatic and gastric secretions. Chovet M, et al. **Experientia** 1985 Nov 15;41(11):1451–3

Somatostatin and alpha 2–adrenergic agonists selectively inhibit vasopressin–induced cyclic AMP accumulation in MDCK cells. Friedlander G, et al. **FEBS Lett** 1986 Mar 17;198(1):38–42

Effect of somatostatin and its analogs on histamine–stimulated cAMP production in isolated guinea pig gastric glands. Nishihara S, et al. **Gastroenterol Jpn** 1985 Dec;20(6):543–7

Somatostatin stimulates ACTH release in brown trout (Salmo trutta L.). Langhorne P. **Gen Comp Endocrinol** 1986 Jan; 61(1):71–5

Somatostatin inhibits gastric acid secretion after gastric mucosal prostaglandin synthesis inhibition by indomethacin in man. Mogard MH, et al. **Gut** 1985 Nov;26(11):1189–91

Inhibition by somatostatin of LH–RH–induced LH release in normal menstruating women. Chiodera P, et al. **Gynecol Obstet Invest** 1986;22(1):17–21

Role of endogenous prostaglandins in somatostatin–induced inhibition of gastrointestinal hormone secretion. Koop H, et al. **Hepatogastroenterology** 1985 Dec;32(6):288–92

Effects of somatostatin on plasma ammonia and amino acid profile during fasting and after protein feeding in cirrhotic patients. Trevisani F, et al. **Hepatogastroenterology** 1986 Apr;33(2):56–60

Insulin dependence of the actions of growth hormone and somatostatin on splanchnic biogenic amines of the dog. Hussain MN, et al. **Horm Metab Res** 1986 Jul;18(7):436–40

Effect of beta h–endorphin on release of insulin by rabbit pancreas in response to four secretagogues: comparison with somatostatin and epinephrine. Rudman D, et al. **Horm Metab Res** 1986 Jun;18(6):365–8

Somatostatin inhibits the dermorphin–stimulated thyrotropin release in man. degli Uberti EC, et al. **Horm Res** 1986; 23(4):207–12

Influence of beta–endorphin, somatostatin, substance P and vasoactive intestinal peptide on the proliferative response of human peripheral blood T lymphocytes to mercuric chloride. Nordlind K, et al. **Int Arch Allergy Appl Immunol** 1986;80(3):326–8

Somatostatin actions in primary dissociated cell cultures of mammalian spinal cord neurons. Macdonald RL, et al. **Int J Neurol** 1980;14(2–4):221–32

Somatostatin inhibits the ventilatory response to hypoxia in humans. Maxwell DL, et al. **J Appl Physiol** 1986 Mar; 60(3):997–1002

Pertussis toxin blocks both cyclic AMP–mediated and cyclic AMP–independent actions of somatostatin. Evidence for coupling of Ni to decreases in intracellular free calcium. Koch BD, et al. **J Biol Chem** 1985 Oct 25;260(24):13138–45

Pertussis toxin blocks the inhibitory effects of somatostatin on cAMP–dependent vasoactive intestinal peptide and cAMP–independent thyrotropin releasing hormone–stimulated prolactin secretion of GH3 cells. Yajima Y, et al. **J Biol Chem** 1986 Feb 25;261(6):2684–9

Human pancreatic growth hormone–releasing factor (hpGRF–44) in acromegaly before and after adenomectomy. Modifications induced by somatostatin (GHRIH) infusion. Arosio M, et al. **J Endocrinol Invest** 1985 Oct;8(5):449–53

Stimulation of adrenocorticotropin secretion from AtT–20 cells by the calcium channel activator, BAY–K–8644, and its inhibition by somatostatin and carbachol. Heisler S. **J Pharmacol Exp Ther** 1985 Dec;235(3):741–8

Pertussis toxin blocks somatostatin inhibition of calcium mobilization and reduces the affinity of somatostatin receptors for agonists. Reisine T, et al. **J Pharmacol Exp Ther** 1985 Dec;235(3):551–7

Effect of somatostatin on the zona glomerulosa of rats treated with angiotensin II or captopril: stereology and plasma hormone concentrations. Mazzocchi G, et al. **J Steroid Biochem** 1985 Sep;23(3):353–6

Somatostatin, substance P and [Lys]–vasopressin interfere with the binding of [3H][D–Ala2, Met5]enkephalinamide to rat brain membranes. Maruyama M. **Jpn J Pharmacol** 1985 Aug;38(4):445–7

Effects of somatostatin on muscarinic acetylcholine receptor binding in the rat hippocampus. Miyoshi R, et al. **Jpn J Pharmacol** 1986 Feb;40(2):291–6

The capability for regulation of insulin secretion by somatostatin in purified pancreatic islet B cells during aging. Magal E, et al. **Mech Ageing Dev** 1986 Jan; 33(2):139–46

Effect of somatostatin on plasma prolactin. Lugari R, et al. **Minerva Endocrinol** 1985 Apr–Jun;10(2):79–82

Dopamine and somatostatin inhibit forskolin–stimulated prolactin and growth hormone secretion but not stimulated cyclic AMP levels in sheep anterior pituitary cell cultures. Ray KP, et al. **Mol Cell Endocrinol** 1986 May; 45(2–3):175–82

SRIF–sensitive compartmentalization of stored rGH is abolished by hypothyroidism. Stachura ME. **Mol Cell Endocrinol** 1986 Jan;44(1):37–45

On the actions of substance P, somatostatin, and vasoactive intestinal polypeptide on rat peritoneal mast cells and in human skin. Piotrowski W, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Dec; 331(4):364–8

Somatostatin effects on the cyclic AMP system and lipid metabolism in mouse brain. Catalan RE, et al. **Neurochem Res** 1986 Apr;11(4):497–504

Release of pro–opiomelanocortin–derived peptides from the pars intermedia and pars distalis of the rat pituitary: effect of corticotrophin–releasing factor and somatostatin. Kraicer J, et al. **Neuroendocrinology** 1985 Nov;41(5):363–73

Effect of somatostatin and dopaminergic agents on bovine pituitary phosphodiesterase activity. Nagasaka A, et al. **Neuroendocrinology** 1986;43(3):410–5

Somatostatin–sensitive neural system in the liver. Nakabayashi H, et al. **Neurosci Lett** 1986 Jun 6;67(1):78–81

Somatostatin and calcitonin gene–related peptide synergistically modulate spinal sensory and reflex mechanisms in the rat: behavioral and electrophysiological studies. Wiesenfeld–Hallin Z. **Neurosci Lett** 1986 Jun 30; 67(3):319–23

Intrathecal somatostatin modulates spinal sensory and reflex mechanisms: behavioral and electrophysiological studies in the rat. Wiesenfeld–Hallin Z. **Neurosci Lett** 1985 Nov 20; 62(1):69–74

Somatostatin and CCK–8 modulate release of striatal amino acids: role of dopamine receptors. Arnerić SP, et al. **Peptides** 1986 Jan–Feb;7(1):97–103

Pancreatic peptides regulate Cl– secretion in the marine teleost gill. Davis MS, et al. **Peptides** 1985;6 Suppl 3:379–82

Effects of somatostatin and a somatostatin agonist on diet–induced pancreatitis in mice. Degertekin H, et al. **Peptides** 1985 Nov–Dec;6(6):1245–7

Somatostatin enhances the inhibitory effect of oxyntomodulin and its C–terminal octapeptide on acid secretion. Dubrasquet JM, et al. **Peptides** 1986;7 Suppl 1:257–9

Inhibition of neurotensin release by a cyclic hexapeptide analog of somatostatin. Ferris CF, et al. **Peptides** 1985 Sep–Oct;6(5):945–8

Electrophysiologic effects of somatostatin in man. Ghirlanda G, et al. **Peptides** 1986;7 Suppl 1:265–6

Somatostatin analogs with affinity for opiate receptors in rat brain binding assay. Pelton JT, et al. **Peptides** 1985;6 Suppl 1:159–63

Hyperpolarization of the membrane potential caused by somatostatin in dissociated human pituitary adenoma cells that secrete growth hormone. Yamashita N, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(16):6198–202

Somatostatin and (D–Trp8, D–Cys14)–somatostatin delay extinction and reverse electroconvulsive shock induced amnesia in rats. Vécsei L, et al. **Psychoneuroendocrinology** 1986;11(1):111–5

Dose–dependent effects of linear and cyclic somatostatin on ethanol–induced gastric erosions: the role of mast cells and increased vascular permeability in the rat. Diel F, et al. **Regul Pept** 1986 Feb;13(3–4):235–43

Somatostatin and intestinal calcium transport in the rat. Rümenapf G, et al. **Regul Pept** 1985 Aug;11(4):299–308

Both somatostatin and the caudal neuropeptide, urotensin II, stimulate lipid mobilization from coho salmon liver incubated in vitro. Sheridan MA, et al. **Regul Pept** 1986 Jul;14(4):333–44

Somatostatin increases the ratio between gastric mucosal blood flow and gastric acid and pepsin secretion in dogs. Bech K. **Scand J Gastroenterol** 1986 Mar;21(2):215–20

Effect of somatostatin on histamine–stimulated gastric acid and pepsin secretion in dogs. Bech K. **Scand J Gastroenterol** 1986 Aug;21(6):662–8

Pharmacological effects of gastric inhibitory polypeptide, cholecystokinin, and somatostatin on the serum levels of cationic trypsin–like immunoreactivity in man. Florholmen J, et al. **Scand J Gastroenterol** 1985 Sep;20(7):829–34

Systemic ethanol: selective enhancement of responses to acetylcholine and somatostatin in hippocampus. Mancillas JR, et al. **Science** 1986 Jan 10;231(4734):161–3

The effect of somatostatin on dumping after gastric surgery: a preliminary report. Reasbeck PG, et al. **Surgery** 1986 Apr; 99(4):462–8

[Comparative biochemical effects of the injection of cyclic and linear forms of vertebrate somatostatin on the honeybee in vivo. II. Blood lipids] Bounias M. **C R Soc Biol (Paris)** 1985;179(5):591–9 (Eng. Abstr.) **(Fre)**

[Effect of somatostatin on the rabbit Oddi's sphincter in vivo. Interrelation of somatostatin and cholecystokinin] Adami GF, et al. **Gastroenterol Clin Biol** 1986 Feb;10(2):108–11 (Eng. Abstr.) **(Fre)**

[Hyperglycemic agents] Tchobroutsky G, et al. **Pathol Biol (Paris)** 1986 Mar;34(3):203–17 **(Fre)**

[Effect of somatostatin on hypercalcemia stimulated gastric juice and exocrine pancreas secretion in the human] Lenz T, et al. **Z Gastroenterol** 1986 Feb;24(2):74–9 (Eng. Abstr.) **(Ger)**

[Changes in portal hemodynamics during pharmacologic stimulation: somatostatin vs glypressin] Gerunda GE, et al. **Minerva Med** 1986 Jul 31;77(30–31):1433–40 (Eng. Abstr.) **(Ita)**

[Effects of somatostatin and its analog on gastric secretion. An application of the secretagogues to gastric secretion] Nomura M, et al. **Nippon Yakurigaku Zasshi** 1985 Sep; 86(3):189–95 (Eng. Abstr.) **(Jpn)**

[Natural peptides and their analogs. XXXV. Synthesis and properties of [Ala5, Orn9]somatostatin] Shvachkin IuP, et al. **Bioorg Khim** 1985 Aug;11(8):1026–36 (Eng. Abstr.) **(Rus)**

[Role of alpha–adrenoreceptors of the hypothalamus and amygdala in the response of the secretory glands of the stomach to neurotensin and somatostatin] Barashkova GM, et al. **Fiziol Zh SSSR** 1986 Apr;72(4):498–502 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Inhibition of gastrin release by gastric inhibitory peptide mediated by somatostatin. Wolfe MM, et al. **Am J Physiol** 1986 Mar;250(3 Pt 1):G331–5

Modulation of functional gastrointestinal endocrine tumors by endogenous and exogenous somatostatin. Ellison EC, et al. **Am J Surg** 1986 Jun;151(6):668–75

Somatostatin mediation of adenohypophysial secretion. Patel YC, et al. **Annu Rev Physiol** 1986;48:551–67 (100 ref.)

Ultrastructural localisation of substance P, vasoactive intestinal polypeptide, somatostatin and neuropeptide Y immunoreactivity in perivascular nerve plexuses of the gut. Fehér E, et al. **Blood Vessels** 1986;23(3):125–36

Behavioral changes following central injection of cysteamine in rats. Bakhit C, et al. **Brain Res** 1986 Feb 12;365(1):159–63

Intra–islet insulin–glucagon–somatostatin relationships. Samols E, et al. **Clin Endocrinol Metab** 1986 Feb; 15(1):33–58 (110 ref.)

Differential regulation of cholinergic and peptidergic development in the rat striatum in culture. Kessler JA. **Dev Biol** 1986 Jan;113(1):77–89

Distribution and ontogeny of SP, CGRP, SOM, and VIP in chick sensory and sympathetic ganglia. New HV, et al. **Dev Biol** 1986 Aug;116(2):337–46

Alteration of pulsatile growth hormone secretion by growth–inducing exercise: involvement of endogenous opiates and somatostatin. Borer KT, et al. **Endocrinology** 1986 Feb;118(2):844–50

On the mechanism of growth hormone autofeedback regulation: possible role of somatostatin and growth hormone–releasing factor. Conway S, et al. **Endocrinology** 1985 Dec;117(6):2284–92

The role of growth hormone–releasing factor and somatostatin on somatic growth in rats. Wehrenberg WB. **Endocrinology** 1986 Feb;118(2):489–94

Reduced neurogenic inflammation in streptozotocin–diabetic rats due to microvascular changes but not to substance P depletion. Gamse R, et al. **Eur J Pharmacol** 1985 Nov 26;118(1–2):175–80

Endogenous somatostatin and the gut. Lucey MR. **Gut** 1986 Apr;27(4):457–67 (94 ref.)

Somatostatinlike immunoreactive neurons in the hedgehog (Erinaceus europaeus) and the sheep (Ovis aries) central nervous system. Papadopoulos GC, et al. **J Comp Neurol** 1986 Feb 8;244(2):174–92

Somatostatin immunoneutralization stimulates thyroid function in fowl. Lam SK, et al. **J Endocrinol** 1986 Jul; 110(1):127–32

Somatostatin: a metabolic regulator. Dileepan KN, et al. **Life Sci** 1985 Dec 23;37(25):2335–43 (88 ref.)

Gastrointestinal somatostatin: distribution, secretion and physiological significance. McIntosh CH. **Life Sci** 1985 Dec 2;37(22):2043–58 (203 ref.)

Involvement of endogenous somatostatin in the regulation of thyrotroph secretion during acute and chronic changes in diet. Hugues JN, et al. **Neuroendocrinology** 1986; 43(3):435–9

Involvement of hypothalamic somatostatin in the suppression of growth hormone secretion by central corticotropin–releasing factor in conscious male rats. Katakami H, et al. **Neuroendocrinology** 1985 Nov; 41(5):390–3

Regulation of growth hormone and thyrotropin secretion by somatostatin systems in rat brain. Terry LC, et al. **Neuroendocrinology** 1986;42(3):218–25

Effects of hypothalamic periventricular lesions on pulsatile growth hormone secretion. Urman S, et al.

Neuroendocrinology 1985 Nov;41(5):357–62

Plasma growth hormone response to human growth hormone releasing factor in rats administered with chlorpromazine and antiserum against somatostatin. Effects of hypo- and hyperthyroidism. Wakabayashi I, et al. **Neuroendocrinology** 1985 Oct;41(4):306–11

Somatostatin in the central nervous system: physiology and pathological modifications. Epelbaum J. **Prog Neurobiol** 1986;27(1):63–100 (295 ref.)

The kidney growth in animals treated with somatostatin. Polić L, et al. **Przegl Lek** 1985;42(4):436–8

Somatostatin and regulation of prolactin secretion. Enjalbert A, et al. **Psychoneuroendocrinology** 1986;11(2):155–65

Caerulein and secretin induced pancreatic growth: a possible control by endogenous pancreatic somatostatin. Sarfati PD, et al. **Regul Pept** 1985 Jul;11(3):261–73

Evidence of somatostatin as a humoral modulator of motilin release in man. A study of plasma motilin and somatostatin during intravenous infusion of somatostatin, secretin, cholecystokinin, and gastric inhibitory polypeptide. Jensen TG, et al. **Scand J Gastroenterol** 1986 Apr;21(3):273–80

Trophic effect of some regulatory peptides on gastric exocrine and endocrine cells of the rat. Lehy T. **Scand J Gastroenterol [Suppl]** 1984;101:27–30

[Somatostatin and gastric acid secretion] Chevalier T, et al. **Gastroenterol Clin Biol** 1986 Jan;10(1):34–40 (75 ref.) **(Fre)**

[Secretory control of pituitary hormones—growth hormone and prolactin] Takeda S, et al. **Nippon Rinsho** 1986 Mar; 44(3):587–92 (28 ref.) **(Jpn)**

SECRETION

Effect of intragastric pH, prostaglandins and prostaglandin synthesis inhibitors on the release of gastrin and somatostatin into the gastric lumen of anaesthetized rats. Alino SF, et al. **Acta Physiol Scand** 1986 Jan;126(1):1–8

Effect and mechanism of vagal nerve stimulation on somatostatin secretion in dogs. Ahrén B, et al. **Am J Physiol** 1986 Feb;250(2 Pt 1):E212–7

Phorbol esters stimulate somatostatin release from cultured cells. Sugano K, et al. **Am J Physiol** 1986 May;250(5 Pt 1):G686–90

Somatostatin, insulin and glucagon secretion by the perfused pancreas from the cysteamine-treated rat. Silvestre RA, et al. **Biochem Biophys Res Commun** 1986 Feb 13; 134(3):1291–7

The influence of hGRF, CRF, TRH and LHRH on SRIF release from median eminence fragments. Aguila MC, et al. **Brain Res** 1985 Nov 25;348(1):180–2

Influence of a benzodiazepine, midazolam, and gamma-aminobutyric acid (GABA) on basal somatostatin secretion from cerebral and diencephalic neurons in dispersed cell culture. Stryker TD, et al. **Brain Res** 1986 Jan 8;362(2):339–43

Dopamine stimulates rat cortical somatostatin release. Thal LJ, et al. **Brain Res** 1986 May 7;372(2):205–9

The effect of met-enkephalin and naloxone on somatostatin and insulin secretion from the isolated, perfused rat pancreas. Di Scala-Guénot D, et al. **Diabetes** 1985 Dec; 34(12):1283–7

Modulatory effect of glucose, amino acids, and secretin on CCK-8-induced somatostatin and pancreatic polypeptide release in dogs. Schuadziarra V, et al. **Diabetes** 1986 May; 35(5):523–9

Effects of furosemide and indapamide upon pancreatic insulin and somatostatin secretion in vitro. Hermansen K, et al. **Diabetes Res** 1986 May;3(4):221–3

Somatostatin release from freshly isolated and cultured rat islets in response to rat insulin and to anti-insulin serum. Schäfer G, et al. **Diabetes Res** 1985 Jul;2(4):201–5

Luminal gastric somatostatin-like immunoreactivity in response to various stimuli in man. Degertekin H, et al. **Dig Dis Sci** 1986 Aug;31(8):833–9

Inhibition of rat hypothalamic somatostatin release by somatostatin: evidence for somatostatin ultrashort loop feedback. Richardson SB, et al. **Endocrinology** 1986 May; 118(5):2076–82

Calcitonin gene-related peptide stimulates somatostatin release from isolated perfused rat stomach. Yamatani T, et al. **Endocrinology** 1986 May;118(5):2144–5

Control of rat gastric somatostatin release by gamma-aminobutyric acid (GABA). Koop H, et al. **Horm Metab Res** 1986 Feb;18(2):94–7

VIP and hormone secretion from thyroidal follicular and C-cells. Laurberg P. **Horm Metab Res** 1986 Apr; 18(4):230–3

Effect of infusion of salmon calcitonin on the secretion of somatostatin and gastrin in man. Wołoszczuk W, et al. **Horm Metab Res** 1986 Mar;18(3):197–200

Effects of dopamine and morphine on immunoreactive somatostatin and LH-releasing hormone secretion from hypothalamic fragments in vitro. Lengyel AM, et al. **J Endocrinol** 1985 Sep;106(3):317–22

Establishment of a continuous somatostatin-producing line of medullary thyroid carcinoma cells from BALB/c mice. Tischler AS, et al. **J Endocrinol** 1986 Aug;110(2):309–13

12-O-tetradecanoyl phorbol-13-acetate (TPA) stimulates somatostatin release from isolated perfused rat stomach. Yamatani T, et al. **Life Sci** 1985 Dec 23;37(25):2415–9

Somatostatin release from dissociated cerebral cortical cell cultures. Landon RM, et al. **Methods Enzymol** 1986; 124:412–24

Independent co-release of acetylcholine and somatostatin from cardiac vagal neurones in toad. Campbell G, et al. **Neurosci Lett** 1985 Sep 16;60(1):47–50

Modulation of motilin-induced somatostatin release in dogs by naloxone. Schick R, et al. **Peptides** 1985 Sep-Oct; 6(5):861–4

Effect of vasoactive intestinal peptide, peptide histidine isoleucine and growth hormone-releasing factor-40 on bombesin-like immunoreactivity, somatostatin and gastrin release from the perfused rat stomach. Schusdziarra V, et al. **Peptides** 1986 Jan-Feb;7(1):127–33

The intestinal mucosa preferentially releases somatostatin-28 in pigs. Baldissera FG, et al. **Regul Pept** 1985 Jul; 11(3):251–62

Beta-adrenergic agonists inhibit gastric acid and pepsin secretion through somatostatin release in dogs. Bech K, et al. **Scand J Gastroenterol** 1986 Jun;21(5):531–6

Patterns of growth hormone-releasing factor and somatostatin secretion into the hypophysial-portal circulation of the rat. Plotsky PM, et al. **Science** 1985 Oct 25;230(4724):461–3

[Endocrine pancreatic tumor secreting somatostatin and somatocrinin] Chadenas D, et al. **Presse Med** 1985 Dec 7;14(42):2129–34 (Eng. Abstr.) **(Fre)**

[Biological activity and function of growth hormone releasing factor] Chihara K, et al. **Nippon Rinsho** 1986 Mar; 44(3):522–31 (42 ref.) **(Jpn)**

THERAPEUTIC USE

Effect of somatostatin in necrolytic migratory erythema of glucagonoma. Elsborg L, et al. **Acta Med Scand** 1985; 218(2):245–9

Effect of perioperative somatostatin administration of sphincteroplasty-induced increase of amylase. Roncoroni L, et al. **Am J Gastroenterol** 1986 Jun;81(6):432–5

The effect of epidural somatostatin on postoperative pain. Chrubasik J, et al. **Anesth Analg** 1985 Nov;64(11):1085–8

Prevention of postprandial hypotension with somatostatin. Hoeldtke RD, et al. **Ann Intern Med** 1985 Dec;103(6 (Pt 1)):889–90

Ranitidine and somatostatin. Their effects on bleeding from the upper gastrointestinal tract. Basso N, et al. **Arch Surg** 1986 Jul;121(7):833–5

Somatostatin in pancreatitis [letter] Lankisch PG, et al. **Br J Surg** 1986 Mar;73(3):242

Somatostatin and cimetidine in the control of acute upper gastrointestinal bleeding. A controlled multicenter study. Antonioli A, et al. **Hepatogastroenterology** 1986 Apr; 33(2):71–4

Failure of somatostatin to accelerate closure of enterocutaneous fistulas in patients receiving total parenteral nutrition [letter] Kingsnorth AN, et al. **Lancet** 1986 May 31;1(8492):1271

Somatostatin in gastrointestinal fistulae [letter] Rich AJ, et al. **Lancet** 1986 Jun 14;1(8494):1381

The use of somatostatin and its analogs in the treatment of surgical disorders. Mulvihill S, et al. **Surgery** 1986 Sep; 100(3):467–76 (110 ref.)

[100 years of acromegaly: general lessons about a rare disease] Lamberts SW. **Ned Tijdschr Geneeskd** 1986 May 17; 130(20):902–4 **(Dut)**

[Current therapeutic possibilities with growth hormone releasing hormone and somatostatin] Lamberts SW. **Ned Tijdschr Geneeskd** 1986 May 17;130(20):904–8 **(Dut)**

[Use of somatostatin in gastroenterology] Lamers CB. **Ned Tijdschr Geneeskd** 1986 May 17;130(20):908–11 **(Dut)**

[Medical treatment of external pancreatic fistulas: total parenteral nutrition, somatostatin, terbutaline (letter)] Millat B, et al. **Gastroenterol Clin Biol** 1985 Dec;9(12):952 **(Fre)**

[Somatostatin in the emergency treatment of persistent hypoglycemias caused by hyperinsulinism (nesidioblastosis of the pancreas)] Wendel U, et al. **Monatsschr Kinderheilkd** 1985 Aug;133(8):527–31 (Eng. Abstr.) **(Ger)**

[Somatostatin in gastroenterological therapy] Stalder GA, et al. **Schweiz Med Wochenschr [Suppl]** 1985;19:30–6 (52 ref.) (Eng. Abstr.) **(Ger)**

[Inhibition of exocrine pancreatic function by somatostatin?] Jung D, et al. **Z Gastroenterol** 1986 Mar;24(3):161–2 **(Ger)**

[Use of somatostatin in the arrest of acute hemorrhage of the upper digestive tract (esophagus, stomach, duodenum)] Rainer E, et al. **Clin Ter** 1985 Aug 15;114(3):201–11 (Eng. Abstr.) **(Ita)**

[Somatostatin in hemorrhages of the upper digestive tract. Our experience] Bassi G, et al. **Minerva Chir** 1986 Apr 15;41(7):541–2 **(Ita)**

[Use of somatostatin in the therapy of acute pancrestitis. Controlled clinical study] Bottani G, et al. **Minerva Chir** 1985 Oct 15;40(19):1337–40 (Eng. Abstr.) **(Ita)**

[Description of 3 cases of acute necrotico-hemorrhagic pancreatitis with different etiologies: treatment with somatostatin] Orrù A, et al. **Minerva Chir** 1986 Jun 30; 41(11–12):1061–5 (Eng. Abstr.) **(Ita)**

[Somatostatin in severe peptic ulcer hemorrhage] Garbarini A, et al. **Minerva Med** 1985 Oct 6;76(38):1739–42 (Eng. Abstr.) **(Ita)**

[Use of somatostatin in the conservative treatment of hemorrhage from the upper segment of the digestive tract] Paradowski L, et al. **Pol Tyg Lek** 1986 Feb 10;41(6):173–5 (Eng. Abstr.) **(Pol)**

[Somatostatin—its practical use in diseases of the digestive tract] Paradowski L. **Wiad Lek** 1986 Mar 1;39(5):330–4 (23 ref.) (Eng. Abstr.) **(Pol)**

[Somatostatin: a therapeutic perspective?] Katz J, et al. **Acta Gastroenterol Latinoam** 1985;15(3):181–2 **(Spa)**

TOXICITY

Effect of chronically administered somatostatin on the nude mouse. Johnson FE, et al. **J Surg Res** 1986 Apr; 40(4):346–52

SOMATOSTATIN-14 see **SOMATOSTATIN**

SOMATOSTATINOMA see under **ISLET CELL TUMOR**

SOMATOTROPIN

The conformation of monkey pituitary somatotropin. Bewley TA, et al. **Arch Biochem Biophys** 1986 Aug 1;248(2):646–51

Human growth hormone: recent advances and current status. Bourgeois MJ. **Indian J Pediatr** 1986 Mar-Apr;53(2):133–9

Creutzfeldt-Jakob disease pathogen in growth hormone preparations is eliminatable [letter] Tateishi J, et al. **Lancet** 1985 Dec 7;2(8467):1299–300

Membrane filtration and safety of human growth hormone [letter] Taylor DM. **Lancet** 1986 Mar 8;1(8480):559

Approval for synthetic products in US, Britain [news] Beardsley T. **Nature** 1985 Oct 24–30;317(6039):659

New growth industry in human growth hormone? [news] Kolata G. **Science** 1986 Oct 3;234(4772):22–4

ADMINISTRATION & DOSAGE

Daily subcutaneous administration of human growth hormone in growth hormone deficient children. Albertsson-Wikland K, et al. **Acta Paediatr Scand** 1986 Jan; 75(1):89–97

Effect of pattern of administration of bovine growth hormone on lactational performance of dairy cows. McCutcheon SN, et al. **J Dairy Sci** 1986 Jan;69(1):38–43

[Iatrogenic transfer with growth hormone has caused several cases of Creutzfeldt-Jakob's disease] Fryklund L, et al. **Lakartidningen** 1985 Dec 27;82(52):4593–8 (Eng. Abstr.) **(Swe)**

ADVERSE EFFECTS

Difficult hGH treatment in a patient with type III glycogen storage disease. Larizza D, et al. **Eur J Pediatr** 1986 Apr; 145(1-2):84–5

Human growth hormone distribution discontinued. **FDA Drug Bull** 1985 Aug;15(2):17–8

Potential epidemic of Creutzfeldt-Jakob disease from human growth hormone therapy [letter] Fisman M. **N Engl J Med** 1986 Apr 10;314(15):987–8

Pathology of Creutzfeldt-Jakob disease associated with pituitary-derived human growth hormone administration. Weller RO, et al. **Neuropathol Appl Neurobiol** 1986 Mar-Apr;12(2):117–29

[Creutzfeldt-Jakob disease (letter)] **Acta Med Port** 1986 Jan-Feb;7(1):69 **(Por)**

ANALOGS & DERIVATIVES

Treatment of Turner's syndrome with methionyl human growth hormone for six months. Takano K, et al. **Acta Endocrinol (Copenh)** 1986 May;112(1):130–7

The 20,000 dalton structural variant of recombinant DNA-derived methionyl human growth hormone has early insulin-like effects in hypophysectomized rats. Tinsley FC, et al. **Biochem Biophys Res Commun** 1986 Jul 16; 138(1):342–8

Inhibition of lactogenic activities of ovine prolactin and human growth hormone (hGH) by a novel form of a modified recombinant hGH. Gertler A, et al. **Endocrinology** 1986 Feb;118(2):720–6

Synthesis and expression of a human growth hormone (somatotropin) gene mutated to change cysteine-165 to alanine. Tokunaga T, et al. **Eur J Biochem** 1985 Dec 16; 153(3):445–9

Exogenous growth hormone inhibits growth hormone-releasing factor-induced growth hormone secretion in normal men. Rosenthal SM, et al. **J Clin Invest** 1986 Jan;77(1):176–80

Influence of chloramine T iodination on the biological and immunological activity or the molecular radius of the human growth hormone molecule. Bartolini P, et al. **J Immunoassay** 1986;7(3):129–38

The autodecomposition of radiolabeled human growth hormone. Baumann G, et al. **J Immunoassay** 1986; 7(3):139–49

Growth hormone treatment and circulating thyroxine [letter] Gómez-Pan A, et al. **Lancet** 1986 May 3;1(8488):1030–1

Clinical studies with recombinant-DNA-derived methionyl human growth hormone in growth hormone deficient children. Kaplan SL, et al. **Lancet** 1986 Mar 29; 1(8483):697–700

Which children should have growth hormone therapy? Milner RD. **Lancet** 1986 Mar 1;1(8479):483–5

Biosynthetic growth hormone. **Med Lett Drugs Ther** 1985 Dec 6;27(702):101–2

Comparison of the antigenicities of native human growth

hormone (hGH) and three forms of recombinant hGHs using monoclonal antibodies. Sawada J, et al. **Mol Immunol** 1986 Jun;23(6):625–30

Relationships between structure and function of lactogenic hormones. Chêne N, et al. **Reprod Nutr Dev** 1986; 26(2B):551–61

[Therapy of pituitary dwarfism with recombinant human growth hormone. A multicenter study] Bierich JR, et al. **Dtsch Med Wochenschr** 1986 Mar 28;111(13):483–9 (Eng. Abstr.) **(Ger)**

ANALYSIS

Ultrastructural immunocytochemistry of somatotrophs and mammotrophs in embryos of the dwarf mutant mouse. Wilson DB, et al. **Anat Rec** 1986 Jul;215(3):282–7

Isolation and characterization of chum salmon growth hormone. Kawauchi H, et al. **Arch Biochem Biophys** 1986 Feb 1;244(2):542–52

The primary structure of monkey pituitary growth hormone. Li CH, et al. **Arch Biochem Biophys** 1986 Feb 15; 245(1):287–91

Evidence for the steric proximity of Tyr 174 and Lys 111 in bovine growth hormone. Nowicki C, et al. **Int J Pept Protein Res** 1985 Dec;26(6):568–74

Reversed-phase high-performance liquid chromatography peptide mapping of bovine somatotropin. Hartman PA, et al. **J Chromatogr** 1986 Jun 25;360(2):385–95

Comparison of reversed-phase and anion-exchange high-performance liquid chromatography for the analysis of human growth hormones. Patience RL, et al. **J Chromatogr** 1986 Feb 21;352:241–53

Immunoassay for the detection of E. coli proteins in recombinant DNA derived human growth hormone. Anicetti VR, et al. **J Immunol Methods** 1986 Jul 24; 91(2):213–24

Immunohistochemical localization of follicle-stimulating hormone, luteinizing hormone, growth hormone, adrenocorticotrophic hormone and prolactin in the human placenta. Al-Timimi A, et al. **Placenta** 1986 Mar–Apr; 7(2):163–72

Vertebrate somatotropin-like peptides in insects. Verhaert P, et al. **Prog Clin Biol Res** 1986;217A:359–64

[Concentrations of growth hormone, prolactin and thyroid-stimulating hormone in the maternal, fetal and amniotic compartments] Miyakawa I, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Feb;38(2):161–7 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Treatment of Duchenne muscular dystrophy with growth hormone inhibitors. Zatz M, et al. **Am J Med Genet** 1986 Jul;24(3):549–66

Insulin-like growth factor inhibition of growth hormone secretion. Sheppard MS, et al. **Can J Physiol Pharmacol** 1986 May;64(5):525–30

Exogenous growth hormone inhibits growth hormone-releasing factor-induced growth hormone secretion in normal men. Rosenthal SM, et al. **J Clin Invest** 1986 Jan;77(1):176–80

Opioid kappa receptors and the secretion of prolactin (PRL) and growth hormone (GH) in the rat. II. GH and PRL release-inhibiting effects of the opioid kappa receptor agonists bremazocine and U-50,488. Krulich L, et al. **Neuroendocrinology** 1986;42(1):82–7

BIOSYNTHESIS

Effects of bromocriptine on hormone production and cell growth in cultured rat pituitary cells. Johansen PW, et al. **Acta Endocrinol (Copenh)** 1985 Oct;110(2):200–6

Growth hormone-releasing hormone and clonidine stimulate biosynthesis of growth hormone in neonatal pituitaries. Cozzi MG, et al. **Biochem Biophys Res Commun** 1986 Aug 14;138(3):1223–30

Synthesis and secretion of phosphorylated growth hormone by rat pituitary glands in vitro. Liberti JP, et al. **Biochem Biophys Res Commun** 1986 Jun 13;137(2):806–12

Does growth hormone releasing factor desensitize the somatotroph? Interpretation of responses of growth hormone during and after 10-hour infusion of GRF 1–29 amide in man. Davis JR, et al. **Clin Endocrinol (Oxf)** 1986 Feb;24(2):135–40

Dopamine receptor stimulation induces a potassium dependent hyperpolarizing response in growth hormone producing neuroendocrine cells of the gastropod mollusc Lymnaea stagnalis. de Vlieger TA, et al. **Comp Biochem Physiol [C]** 1986;83(2):429–33

Effects of age on GH responses to growth hormone-releasing factor in rats. Niimi M, et al. **Endocrinol Jpn** 1985 Aug; 32(4):559–62

In vivo studies with growth hormone (GH)-releasing factor and clonidine in rat pups: ontogenetic development of their effect on GH release and synthesis. Cella SG, et al. **Endocrinology** 1986 Sep;119(3):1164–70

Neplanocin A. Actions on S-adenosylhomocysteine hydrolase and on hormone synthesis by GH4C1 cells. Wolfson G, et al. **J Biol Chem** 1986 Apr 5;261(10):4492–8

Prolactin and growth hormone synthesis and thymidine incorporation in dissociated rat pituitary tumor cells. Lloyd RV, et al. **Proc Soc Exp Biol Med** 1986 Jan;181(1):18–23

BLOOD

Circulating growth hormone forms in type 1 diabetic subjects: comparison with normal subjects and acromegalics. MacFarlane IA, et al. **Acta Endocrinol (Copenh)** 1986 Aug;112(4):547–51

No effect of treatment with sodium valproate on plasma growth hormone in bromocriptine unresponsive acromegaly. Nortier JW, et al. **Acta Endocrinol (Copenh)** 1986 Feb;111(2):162–4

Responsiveness of pituitary hGH to GRH1–44 in juveniles with obesity. Pertzelan A, et al. **Acta Endocrinol (Copenh)** 1986 Feb;111(2):151–3

Bioassayable growth hormone activity in blood from healthy individuals and acromegalic patients. Thorngren KG, et al. **Acta Endocrinol (Copenh)** 1986 Jan;111(1):3–9

Effect of domperidone on serum TSH and growth hormone in thyroid patients. Földes J, et al. **Acta Med Hung** 1985; 42(3–4):133–43

ACTH, cortisol and growth hormone 24-hour profiles in major depressive illness. Linkowski P, et al. **Acta Psychiatr Belg** 1985 Sep–Oct;85(5):615–23

Growth hormone and somatomedin serum levels in patients with major depressive illness undergoing electroconvulsive therapy. Apéria B, et al. **Acta Psychiatr Scand** 1986 Jun; 73(6):681–7

Effects of guanfacine on growth hormone, prolactin, renin, lipoproteins and glucose in essential hypertension. Hauger-Klevene JH, et al. **Am J Cardiol** 1986 Mar 28; 57(9):27E–31E

Clonidine and growth hormone response [letter] Englehart J, et al. **Am J Dis Child** 1986 Mar;140(3):186–8

Growth hormone response after clonidine stimulation [letter] Leheup BP, et al. **Am J Dis Child** 1986 Apr;140(4):323–4

Hormonal effects of smoking—II: Effects on plasma cortisol, growth hormone, and prolactin. Gossain VV, et al. **Am J Med Sci** 1986 May;291(5):325–7

Elevated growth hormone levels and insulin resistance in patients with cirrhosis of the liver. Shankar TP, et al. **Am J Med Sci** 1986 Apr;291(4):248–54

Plasma growth hormone concentration in the chronically catheterized ovine fetus during spontaneous term delivery and premature delivery induced by continuous intravascular infusion of low doses of adrenocorticotropin or cortisol to the fetus. Lowe KC, et al. **Am J Obstet Gynecol** 1986 Feb;154(2):420–3

Down-regulation of central dopamine receptors in schizophrenia. Zemlan FP, et al. **Am J Psychiatry** 1985 Nov;142(11):1334–7

Regression of rat mammary tumors associated with suppressed growth hormone. Phares CK. **Anticancer Res** 1986 Jul–Aug;6(4):845–8

Effect of vagotomy on plasma levels of growth hormone, free fatty acids and glucose in the pigeon. John TM, et al. **Arch Int Physiol Biochim** 1985 Sep;93(3):249–53

Bromocriptine reduces growth hormone in acromegaly. Bell PM, et al. **Arch Intern Med** 1986 Jun;146(6):1145–9

Transient elevation of serum growth hormone level during pituitary apoplexy in acromegaly. Taniyama M, et al. **Arch Intern Med** 1986 May;146(5):1001–3

Growth hormone response to apomorphine and diagnosis: a comparison of three diagnostic systems. Hirschowitz J, et al. **Biol Psychiatry** 1986 May;21(5–6):445–54

Is there paradoxical growth hormone response to thyrotropin-releasing hormone in depression? Hsiao JK, et al. **Biol Psychiatry** 1986 Jun;21(7):595–600

Growth hormone response to sodium valproate in chronic schizophrenia. Monteleone P, et al. **Biol Psychiatry** 1986 Jun;21(7):588–94

Blunted growth hormone response to clonidine in panic disorder patients. Uhde TW, et al. **Biol Psychiatry** 1986 Sep;21(11):1081–5

Neuroendocrine findings in a chronic cocaine abusers: a preliminary report. Gawin FH, et al. **Br J Psychiatry** 1985 Nov;147:569–73

Basal level of human growth hormone (hGH) in normal serum. Hashida S, et al. **Clin Chim Acta** 1985 Sep 30; 151(2):185–6

Prolactin and growth hormone dynamics in epileptic patients receiving phenytoin. Elwes RD, et al. **Clin Endocrinol (Oxf)** 1985 Sep;23(3):263–70

Interaction between growth hormone releasing factor (GRF) and somatostatin analogue (SMS 201–995) in normal subjects. Losa M, et al. **Clin Endocrinol (Oxf)** 1985 Dec; 23(6):715–20

A divergence of plasma growth hormone response between growth hormone-releasing factor and insulin-induced hypoglycaemia among middle-aged healthy male subjects. Wakabayashi I, et al. **Clin Endocrinol (Oxf)** 1986 Mar; 24(3):279–83

Serum concentrations of somatomedins and growth hormone in relation to bone metabolism in acromegaly and thyroid dysfunction. Bijlsma JW, et al. **Clin Exp Rheumatol** 1986 Apr–Jun;4(2):105–10

Constitutional delay in growth: comparison of linear growth with serum growth hormone response to provocative tests in 26 children. McArthur RG, et al. **Clin Invest Med** 1986; 9(1):6–11

Growth, protein synthesis and plasma concentrations of growth hormone, thyroxine and triiodothyronine in dwarf, control and growth-selected strains of broiler-type domestic fowl. Lauterio TJ, et al. **Comp Biochem Physiol [A]** 1986;83(4):627–32

A randomized cross-over comparison of two low-dose oral contraceptives upon hormonal and metabolic serum parameters: II. Effects upon thyroid function, gastrin, STH, and glucose tolerance. Kuhl H, et al. **Contraception** 1985 Jul;32(1):97–107

Does growth hormone play a role in the impaired glucose tolerance of thyrotoxicosis? Tappy L, et al. **Diabete Metab** 1986 Apr;12(2):85–6

Relationships between growth factors (somatomedin-C and growth hormone) and body development, metabolic control, and retinal changes in children and adolescents with IDDM. Salardi S, et al. **Diabetes** 1986 Jul;35(7):832–6

High levels of growth hormone and human placental lactogen in pregnancy complicated by diabetes. Lopez-Espinoza I, et al. **Diabetes Res** 1986 Mar;3(3):119–25

The glomerular hyperfiltration of diabetes is not associated with elevated plasma levels of glucagon and growth hormone. Wiseman MJ, et al. **Diabetologia** 1985 Oct; 28(10):718–21

The inter- and intra-subject variabilities of plasma GH response to human growth hormone-releasing hormone (1–44) NH2 in men. Hotta M, et al. **Endocrinol Jpn** 1985 Oct;32(5):673–80

Plasma growth hormone and somatomedin-C responses to continuous growth hormone-releasing factor infusion in normal adult men. Takano K, et al. **Endocrinol Jpn** 1985 Apr;32(2):287–93

Decrease in human growth hormone (HGH) levels during transsphenoidal surgery for acromegaly as a guide for prognosis. Yamada S, et al. **Endocrinol Jpn** 1985 Dec; 32(6):899–906

Involvement of corticotropin-releasing factor and somatostatin in stress-induced inhibition of growth hormone secretion in the rat. Rivier C, et al. **Endocrinology** 1985 Dec;117(6):2478–82

Protein utilization in growth: effect of calorie deficiency on serum growth hormone, somatomedins, total thyroxine (T4) and triiodothyronine, free T4 index, and total corticosterone. Schalch DS, et al. **Endocrinology** 1985 Dec; 117(6):2307–12

The relation between growth hormone, cortisol and insulin and plasma levels of free fatty acids and glucose in healthy mothers at delivery and their newborn children. Jaśkiewicz J, et al. **Endokrynol Pol** 1985;36(4):205–13

The relation between insulin and growth hormone and blood plasma levels of triglycerides and total cholesterol in healthy mothers at delivery and in their newborn infants. Jaśkiewicz J, et al. **Endokrynol Pol** 1985;36(3):155–62

Growth hormone and prolactin levels in the course of metoclopramide test in headache patients. Klimek A. **Endokrynol Pol** 1985;36(1):19–27

Dexamethasone suppression and multiple hormonal responses (TSH, prolactin and growth hormone) to TRH in some psychiatric disorders. Banki CM, et al. **Eur Arch Psychiatry Neurol Sci** 1985;235(1):32–7

Growth hormone release after desipramine in depressive illness. Meesters P, et al. **Eur Arch Psychiatry Neurol Sci** 1985;235(3):140–2

Suppression of normal and preneoplastic mammary growth and uterine adenomyosis with reduced growth hormone level in SHN mice given monosodium glutamate neonatally. Nagasawa H, et al. **Eur J Cancer Clin Oncol** 1985 Dec;21(12):1547–51

Correlation of plasma prolactin and growth hormone with normal and preneoplastic mammary gland growth in virgin SHN mice [letter] Nagasawa H, et al. **Eur J Cancer Clin Oncol** 1985 Sep;21(9):1109–11

Growth hormone response to hpGRF-40 in different forms of growth retardation and endocrine-metabolic diseases. Pintor C, et al. **Eur J Pediatr** 1986 Feb;144(5):475–81

Growth hormone values after an insulin tolerance test in children with constitutional delay of growth and adolescence. Kaleva N. **Folia Med (Plovdiv)** 1984; 26(3):26–33

Plasma human growth hormone and insulin level after the exercise loading. Hoshino Y, et al. **Fukushima J Med Sci** 1985 Jun;31(1):49–54

A boy with acromesomelic dysplasia. Growth course and growth hormone release. Raes M, et al. **Helv Paediatr Acta** 1985 Dec;40(5):415–20

Relationship between growth hormone levels and time spent by soldiers in an active war zone. Nanji AA, et al. **Horm Behav** 1985 Sep;19(3):348–50

Elevated growth hormone levels in sera from breast cancer patients. Emerman JT, et al. **Horm Metab Res** 1985 Aug; 17(8):421–4

Effects of five days verapamil administration on serum GH and PRL levels. Maestri E, et al. **Horm Metab Res** 1985 Sep;17(9):482

Demonstration of 20K growth hormone in human plasma by g:l electrophoretic-immunostaining-autoradiographic assay (GEISAA). Sinha YN, et al. **Horm Metab Res** 1986 Jun;18(6):402–6

Effect of adrenergic antagonism on the growth hormone, prolactin and cortisol response to a synthetic opioid agonist in man. Bouloux PM, et al. **Horm Res** 1986;23(2):83–90

Some properties of the plasma hGH activity in patients with Laron-type dwarfism determined by a radioreceptor assay using human liver tissue. Eshet R, et al. **Horm Res** 1985; 22(4):276–83

A human placental GH: increasing levels during second half of pregnancy with pituitary GH suppression as revealed

by monoclonal antibody radioimmunoassays. Hennen G, et al. **Int J Fertil** 1985;30(2):27–33

Neuroendocrine and cognitive responses to amphetamine in adolescents with a history of attention deficit disorder. Garfinkel BD, et al. **J Am Acad Child Psychiatry** 1986 Jul; 25(4):503–8

Twenty-four-hour growth hormone profiles in Angus steers. Wheaton JE, et al. **J Anim Sci** 1986 May;62(5):1267–72

Plasma growth hormone response to insulin-induced hypoglycemia in infantile autism: a pilot study. Deutsch SI, et al. **J Autism Dev Disord** 1986 Mar;16(1):59–68

Naloxone does not modify the hemodynamic and neuroendocrine effects of clonidine in normal humans. Pedrinelli R, et al. **J Cardiovasc Pharmacol** 1985 Sep–Oct; 7(5):953–7

High-performance size-exclusion chromatography of bovine somatotropin. Stodola JD, et al. **J Chromatogr** 1986 May 9;357(3):423–8

A specific growth hormone-binding protein in human plasma: initial characterization. Baumann G, et al. **J Clin Endocrinol Metab** 1986 Jan;62(1):134–41

Bromocriptine does not alter growth hormone (GH) responsiveness to GH-releasing hormone in acromegaly. Cozzi R, et al. **J Clin Endocrinol Metab** 1986 Mar; 62(3):601–4

Effects of intravenous, subcutaneous, and intranasal administration of growth hormone (GH)-releasing hormone-40 on serum GH concentrations in normal men. Evans WS, et al. **J Clin Endocrinol Metab** 1985 Nov; 61(5):846–50

Effect of obesity on ambient plasma glucose, free fatty acid, insulin, growth hormone, and glucagon concentrations. Golay A, et al. **J Clin Endocrinol Metab** 1986 Aug; 63(2):481–4

The effect of pulsatile administration, continuous infusion, and diurnal variation on the growth hormone (GH) response to GH-releasing hormone in normal men. Hulse JA, et al. **J Clin Endocrinol Metab** 1986 Oct;63(4):872–8

Plasma growth hormone responses to somatostatin (SRIH) and SRIH receptors in pituitary adenomas in acromegalic patients. Ikuyama S, et al. **J Clin Endocrinol Metab** 1986 Apr;62(4):729–33

A comparison among the growth hormone-lowering effects in acromegaly of the somatostatin analog SMS 201-995, bromocriptine, and the combination of both drugs. Lamberts SW, et al. **J Clin Endocrinol Metab** 1986 Jul; 63(1):16–9

Growth hormone (GH) and prolactin responses to repetitive administration of GH-releasing hormone in acromegaly. Losa M, et al. **J Clin Endocrinol Metab** 1986 Aug; 63(2):475–80

Responses of growth hormone (GH) and somatomedin-C to GH-releasing hormone in healthy aging men. Pavlov EP, et al. **J Clin Endocrinol Metab** 1986 Mar;62(3):595–600

Absence of growth hormone response to L-dopa and bromocriptine in hyperprolactinemic women with pituitary microadenoma. Seki K, et al. **J Clin Endocrinol Metab** 1986 Apr;62(4):783–4

Sex difference in human growth hormone (GH) response to intravenous human pancreatic GH-releasing hormone administration in young adults. Smals AE, et al. **J Clin Endocrinol Metab** 1986 Feb;62(2):336–41

Tardive dyskinesia: clinical and neuroendocrine response to low dose bromocriptine. Lenox RH, et al. **J Clin Psychopharmacol** 1985 Oct;5(5):286–92

Effect of serum magnesium and feed intake on serum growth hormone concentrations. Emery RS, et al. **J Dairy Sci** 1986 Apr;69(4):1148–50

Circulating insulin-like growth factor-I and -II concentrations are not dependent on pituitary influences in the midgestation fetal sheep. Gluckman PD, et al. **J Dev Physiol** 1985 Dec;7(6):405–9

Growth hormone responses to multiple injections of a fragment of human growth hormone-releasing factor in conscious male and female rats. Clark RG, et al. **J Endocrinol** 1985 Sep;106(3):281–9

Human pancreatic growth hormone-releasing factor (hpGRF-44) in acromegaly before and after adenomectomy. Modifications induced by somatostatin (GHRIH) infusion. Arosio M, et al. **J Endocrinol Invest** 1985 Oct;8(5):449–53

Effect of phototherapy on plasma levels of GH, LH and FSH in the newborn. Kehyayan E, et al. **J Endocrinol Invest** 1985 Dec;8(6):561–5

Seasonal variations in body growth rates and circulating levels of growth hormone in the goldfish, Carassius auratus. Marchant TA, et al. **J Exp Zool** 1986 Feb;237(2):231–9

The effect of pinealectomy on plasma levels of gonadotrophins and growth hormone in the pigeon (Columba livia). Rintamäki H, et al. **J Pineal Res** 1984; 1(4):381–9

Effect of propantheline on growth hormone and blood glucose levels [letter] Davis B, et al. **Lancet** 1986 Jun 14; 1(8494):1382

Secretory patterns of growth hormone during basal periods in man. Stolar MW, et al. **Metabolism** 1986 Sep;35(9):883–8

Big growth hormone forms in human plasma: immunochemical evidence for their pituitary origin. Stolar MW, et al. **Metabolism** 1986 Jan;35(1):75–7

Simultaneous determination of blood levels of corticosterone and growth hormone in the male rat: relation to sleep-wakefulness cycle. Mitsugi N, et al. **Neuroendocrinology** 1985 Aug;41(2):125–30

24-hour plasma levels of prolactin, cortisol, growth hormone and catecholamines in schizophrenic patients. Kemali D, et al. **Neuropsychobiology** 1985;14(3):109–14

Heterogeneity of growth hormone in the nocturnal serum of children. Rudman D, et al. **Pediatr Res** 1985 Oct; 19(10):981–5

Thyroid-stimulating hormone, prolactin, and growth hormone response to thyrotropin-releasing hormone in treated children with congenital hypothyroidism. Sack J, et al. **Pediatr Res** 1985 Oct;19(10):1037–9

Growth hormone responses to growth hormone-releasing hormone (1–29)-NH2 and a D-Ala2 analog in normal men. Barron JL, et al. **Peptides** 1985 May–Jun;6(3):575–7

Long-term effect of pizotifen treatment on growth hormone levels of underweight children, including those with anorexia nervosa. Doleček R, et al. **Pharmatherapeutica** 1985;4(2):81–7

Changes in insulin, glucose and GH concentrations in fed chickens. Krestel-Rickert DH, et al. **Physiol Behav** 1986; 37(2):361–3

Effects of feeding, fasting and refeeding on growth hormone and insulin in obese pigs. McCusker RH, et al. **Physiol Behav** 1985 Sep;35(3):383–8

Effect of phosphorus deficiency on thyroid function and growth hormone in the white Leghorn male. Carew LB Jr, et al. **Poult Sci** 1985 Oct;64(10):2010–2

The relationship between age and genotype and circulating concentrations of triiodothyronine (T3), thyroxine (T4), and growth hormone in commercial meat strain chickens. Lilburn MS, et al. **Proc Soc Exp Biol Med** 1986 Jul; 182(3):336–43

Effects of apomorphine on blood levels of homovanillic acid, growth hormone and prolactin in medicated schizophrenics and healthy control subjects. Scheinin M, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1985; 9(4):441–9

Lithium and twenty-four hour rhythms of serum corticosterone, prolactin and growth hormone in pigmented eye rats. Seggie J, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1985; 9(5–6):755–8

Intravenous diazepam fails to change growth hormone and cortisol secretion in humans. Breier A, et al. **Psychiatry Res** 1986 Aug;18(4):293–9

The GH response to clonidine in endogenous as compared with reactive depression. Checkley SA, et al. **Psychol Med** 1984 Nov;14(4):773–7

Clomipramine enhances prolactin and growth hormone responses to L-tryptophan. Anderson IM, et al. **Psychopharmacology (Berlin)** 1986;89(1):131–3

Effects of methysergide, bromocriptine and naloxone on prolactin, growth hormone and TSH release induced by D-Met2,Pro5-enkephalinamide in man. Földes J, et al. **Psychopharmacology (Berlin)** 1986;88(3):331–5

Diurnal rhythm of plasma beta endorphin, cortisol and growth hormone in schizophrenics as compared to control subjects. Gil-Ad I, et al. **Psychopharmacology (Berlin)** 1986; 88(4):496–9

Neuroendocrine effects of L-tryptophan and dexamethasone. Triiskman-Bendz L, et al. **Psychopharmacology (Berlin)** 1986;89(1):85–8

The dopaminergic regulation of plasma growth hormone secretion in normal subjects. Hanew K, et al. **Tohoku J Exp Med** 1986 Feb;148(2):151–8

GHRF test in acromegalic patients for the evaluation of therapeutic results. Hanew K, et al. **Tohoku J Exp Med** 1985 Nov;147(3):273–80

[Nonspecific response of serum growth hormone to thyrotropin-releasing hormone in diabetics] Pan CY. **Chung Hua I Hsueh Tsa Chih** 1985 Aug;65(8):461–3 (Eng. Abstr.) **(Chi)**

[Radioimmunoassay for human growth hormone] Woltanski KP, et al. **Radiobiol Radiother (Berl)** 1986;27(2):215–23 (Eng. Abstr.) **(Ger)**

[Hypomagnesemia and hypokalemia in the insulin hypoglycemia test] Ratzmann GW, et al. **Z Gesamte Inn Med** 1985 Oct 1;40(19):567–70 (Eng. Abstr.) **(Ger)**

[Determination of growth hormone in plasma of psoriatic arthritis, psoriasis vulgaris and seronegative spondylarthritis] Partsch G, et al. **Z Rheumatol** 1985 Nov–Dec;44(6):267–9 (Eng. Abstr.) **(Ger)**

[Behavior of GH and prolactin during enflurane anesthesia and neuroleptoanesthesia in man] Altomonte L, et al. **Minerva Med** 1985 Nov 10;76(43):2071–4 (Eng. Abstr.) **(Ita)**

[Influence of a calcium channel blocker, nicardipine, on glucoregulatory hormones and glucose metabolism] Tanioka F, et al. **Masui** 1986 Jan;35(1):78–83 (Eng. Abstr.) **(Jpn)**

[Effects of cigarette smoking on endocrine function in man] Yao M, et al. **Masui** 1985 Aug;34(8):1105–14 (Eng. Abstr.) **(Jpn)**

[Growth hormone (GH) response to GH-releasing factor in adult female rats treated with monosodium glutamate during the neonatal period] Hatano H. **Nippon Ika Daigaku Zasshi** 1986 Apr;53(2):191–7 (Eng. Abstr.) **(Jpn)**

[Effect of hypo- and hyperthyroidism, and hypothalamic ventromedial lesions on the plasma growth hormone response to human growth hormone-releasing factor in rats] Tonegawa Y. **Nippon Ika Daigaku Zasshi** 1985 Dec; 52(6):624–32 (Eng. Abstr.) **(Jpn)**

[The effect of synthetic human pancreatic growth hormone-releasing factor (hpGRF-44) on serum growth hormone response in normal and obese subjects] Shimizu T, et al. **Nippon Naibunpi Gakkai Zasshi** 1986 Feb 20; 62(2):82–96 (Eng. Abstr.) **(Jpn)**

[Plasma prolactin and GH response after thyrotropin-releasing hormone (TRH), L-DOPA and sulpiride in patients with senile dementia of Alzheimer type] Fujita M, et al. **Rinsho Shinkeigaku** 1985 Jul; 25(7):767–75 (Eng. Abstr.) **(Jpn)**

[Relation between sleep and the levels of 3 hormones in the peripheral blood plasma in healthy persons. I. Sleep EEG and the changes in the somatotropin (hGH) level] Ekiert H, et al. **Psychiatr Pol** 1986 Jan–Feb;20(1):8–14 (Eng. Abstr.) **(Pol)**

[Atherosclerotic lesion of the coronary arteries in ischemic heart disease patients with differing levels of insulin, cortisol and somatotropic hormone and the type of reactions of these hormones to physical loading] Fitilev SB, et al. **Kardiologiia** 1985 Nov;25(11):43–7 (Eng. Abstr.) **(Rus)**

[Concentration of somatotropic hormone in the blood in arterial hypertension of different origin] Selivonenko VG, et al. **Kardiologiia** 1985 Dec;25(12):85–7 (Eng. Abstr.) **(Rus)**

[Dynamics of cyclase systems and hormonal indices in patients with ischemic heart disease in a state of emotional stress] Sokolov EI, et al. **Kardiologiia** 1986 Feb;26(2):51–5 (Eng. Abstr.) **(Rus)**

[Basal levels of somatotropin, cortisol and insulin in patients with chronic forms of ischemic heart disease] Fitilev SB, et al. **Klin Med (Mosk)** 1985 Oct;63(10):106–10 (Eng. Abstr.) **(Rus)**

[Concentration of somatotropic hormone, glucagon and insulin in the blood of patients with recurrent rheumocarditis] Selivonenko VG, et al. **Klin Med (Mosk)** 1986 Jan;64(1):43–5 (Eng. Abstr.) **(Rus)**

[Radioimmunological method of determining the growth hormone of rats] Abramova VV, et al. **Probl Endokrinol (Mosk)** 1986 Jan–Feb;32(1):56–60 (Eng. Abstr.) **(Rus)**

[Changes in the glucagon and growth hormone levels in the blood plasma of healthy persons and of patients with disordered glucose tolerance after insulin administration] Tikhonova NE, et al. **Probl Endokrinol (Mosk)** 1986 Jan–Feb;32(1):22–5 (Eng. Abstr.) **(Rus)**

[Secretion of somatotropic hormone in patients with pancreatitis] Gidsiatov AA, et al. **Ter Arkh** 1986; 58(2):105–6 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Partial purification and biological activity of the product of chemically synthesized human growth hormone gene expression in Escherichia coli. Oshizawa T, et al. **Chem Pharm Bull (Tokyo)** 1985 Aug;33(8):3561–3

Technology spurt resolves growth hormone problem, ends shortage [news] Glasbrenner K. **JAMA** 1986 Feb 7; 255(5):581–4, 587

[Progress in the synthesis of pituitary hormones—with special reference to genetic engineering] Yajima H, et al. **Nippon Rinsho** 1986 Mar;44(3):616–24 (15 ref.) **(Jpn)**

DEFICIENCY

Circulating immunoreactive somatostatin in man. Effect of age, pregnancy, growth hormone deficiency and achlorhydria. Webb SM, et al. **Acta Endocrinol (Copenh)** 1985 Oct;110(2):145–51

Low-dose oral clonidine [letter] Laron Z, et al. **Am J Dis Child** 1985 Nov;139(11):1073

Growth hormone deficiency in the Rothmund-Thomson syndrome. Kaufmann S, et al. **Am J Med Genet** 1986 Apr; 23(4):861–8

Benign Duchenne muscular dystrophy in a patient with growth hormone deficiency: a five years follow-up. Zatz M, et al. **Am J Med Genet** 1986 Jul;24(3):567–72

Glomerular filtration rate fails to increase following protein ingestion in hypothalamo-hypophyseal-deficient adults. Preliminary observations. Kleinman KS, et al. **Am J Nephrol** 1986;6(3):169–74

When are we diagnosing growth hormone deficiency? Herber SM, et al. **Arch Dis Child** 1986 Feb;61(2):110–2

Effects of thyroid and growth hormone deficiency, and food restriction on heart mass, with and without added stress (carboxyhemoglobinemia). Penney DG, et al. **Can J Physiol Pharmacol** 1985 Jun;63(6):642–8

Increase in serum osteocalcin concentration is a slow indicator of therapeutic effect in children treated for somatotropin deficiency. Lindstedt G, et al. **Clin Chem** 1986 Aug;32(8):1589

New insights into growth hormone deficiency [editorial] Popa M. **Endocrinologie** 1985 Oct–Dec;23(4):289–90

Human growth hormone gene deletion without antibody formation or growth arrest during treatment—a new disease entity? Laron Z, et al. **Isr J Med Sci** 1985 Dec; 21(12):999–1006

Growth hormone (GH) response to GH-releasing hormone in children with subnormal integrated concentrations of GH. Chalew SA, et al. **J Clin Endocrinol Metab** 1986 Jun;

62(6):1110–5
Isolated growth hormone (GH) deficiency type 1A associated with a double deletion in the human GH gene cluster. Goossens M, et al. **J Clin Endocrinol Metab** 1986 Apr; 62(4):712–6
Endogenous dopaminergic dysfunction: a novel form of human growth hormone deficiency and short stature. Huseman CA, et al. **J Clin Endocrinol Metab** 1986 Mar; 62(3):484–90
Greater susceptibility to hypothalamopituitary irradiation in younger children with acute lymphoblastic leukemia [letter] Brauner R, et al. **J Pediatr** 1986 Feb;108(2):332
Growth without growth hormone: evidence for a potent circulating human growth factor. Geffner ME, et al. **Lancet** 1986 Feb 15;1(8477):343–7
Tests for growth hormone deficiency [letter] Gunn IR. **Lancet** 1986 Jan 4;1(8471):47–8
Clinical studies with recombinant–DNA–derived methionyl human growth hormone in growth hormone deficient children. Kaplan SL, et al. **Lancet** 1986 Mar 29; 1(8483):697–700
Which children should have growth hormone therapy? Milner RD. **Lancet** 1986 Mar 1;1(8479):483–5
Biosynthetic growth hormone. **Med Lett Drugs Ther** 1985 Dec 6;27(702):101–2
Lymphocyte subsets and natural–killer activity in growth hormone deficiency [letter] Kiess W, et al. **N Engl J Med** 1986 Jan 30;314(5):321
Microcephalic cerebrum with hypomyelination in the growth hormone–deficient mouse (lit). Noguchi T, et al. **Neurochem Res** 1985 Aug;10(8):1097–106
A new type of familial growth hormone deficiency due to a 8.5 kb deletion within the growth hormone gene cluster. Braga S, et al. **Prog Clin Biol Res** 1985;200:103–11
Familial deficiency of growth hormone and spinal muscular atrophy. Leroy JG, et al. **Prog Clin Biol Res** 1985; 200:113–21
Perturbation of differentiated functions during viral infection in vivo. I. Relationship of lymphocytic choriomeningitis virus and host strains to growth hormone deficiency. Oldstone MB, et al. **Virology** 1985 Apr 15;142(1):158–74
Perturbation of differentiated functions during viral infection in vivo. II. Viral reassortants map growth hormone defect to the S RNA of the lymphocytic choriomeningitis virus genome. Riviere Y, et al. **Virology** 1985 Apr 15; 142(1):175–82
[Tooth and face abnormalities associated with pituitary growth hormone insufficiency] Liapi C, et al. **Arch Fr Pediatr** 1985 Dec;42(10):829–33 (Eng. Abstr.) **(Fre)**
[Partial somatotropin deficiency in a case of chronic renal insufficiency with renal transplantation. Efficacy of treatment with human growth hormone] Rochiccioli P, et al. **Arch Fr Pediatr** 1986 Jan;43(1):51–3 (Eng. Abstr.) **(Fre)**
[Increased prolactin concentration and thyrotropic insufficiency in patients with growth hormone deficiency] Schober E, et al. **Wien Klin Wochenschr** 1986 Mar 7; 98(5):142–6 (Eng. Abstr.) **(Ger)**
[Adrenocorticotropic hormone (ACTH) and growth hormone (GH) deficiency with empty sella of normal size due probably to post–partum hemorrhage] Ishikawa B, et al. **Nippon Naika Gakkai Zasshi** 1985 Oct;74(10):1427–31 **(Jpn)**
[Advances in endocrinology. Problems of low stature] Hartwig W. **Pol Arch Med Wewn** 1986 Feb;75(2):152–5 **(Pol)**

GENETICS

Expression of the bovine growth hormone gene in cultured rodent cells. Kopchick JJ, et al. **Basic Life Sci** 1986; 37:19–37
Rat growth hormone gene expression is correlated with an unmethylated CGCG sequence near the transcription initiation site. Strobl JS, et al. **Biochemistry** 1986 Jun 17; 25(12):3640–8
Early developmental mutations due to DNA rearrangements in transgenic mouse embryos. Covarrubias L, et al. **Cold Spring Harbor Symp Quant Biol** 1985;50:447–52
Inducible and developmental control of neuroendocrine genes. Evans RM, et al. **Cold Spring Harbor Symp Quant Biol** 1985;50:389–97
Use of gene transfer to increase animal growth. Hammer RE, et al. **Cold Spring Harbor Symp Quant Biol** 1985; 50:379–87
Elastase I promoter directs expression of human growth hormone and SV40 T antigen genes to pancreatic acinar cells in transgenic mice. Ornitz DM, et al. **Cold Spring Harbor Symp Quant Biol** 1985;50:399–409
Binding of the human glucocorticoid receptor to defined regions in the human growth hormone and placental lactogen genes. Eliard PH, et al. **DNA** 1985 Dec; 4(6):409–17
High–level expression in Escherichia coli of biologically active bovine growth hormone. George HJ, et al. **DNA** 1985 Aug;4(4):273–81
Regulation of growth hormone mRNA and pro–opiomelanocortin mRNA levels by cyclic AMP in rat anterior pituitary cells in culture. Simard J, et al. **DNA** 1986 Aug;5(4):263–70
A general method for retrieving the components of a genetically engineered fusion protein. Szoka PR, et al. **DNA** 1986 Feb;5(1):11–20
Differential implication of deoxyribonucleic acid methylation in rat prolactin and rat growth hormone gene expressions: a comparison between rat pituitary cell strains. Laverriere JN, et al. **Endocrinology** 1986 Jan;118(1):198–206
Autoregulation of pituitary growth hormone messenger ribonucleic acid levels in rats bearing transplantable mammosomatotrophic pituitary tumors. Yamashita S, et al. **Endocrinology** 1986 Mar;118(3):915–8
Expression, secretion and folding of human growth hormone in Escherichia coli. Purification and characterization. Becker GW, et al. **FEBS Lett** 1986 Aug 11;204(1):145–50
Periplasmic production of correctly processed human growth hormone in Escherichia coli: natural and bacterial signal sequences are interchangeable. Gray GL, et al. **Gene** 1985; 39(2–3):247–54
Growth hormone gene expression in eukaryotic cells directed by the Rous sarcoma virus long terminal repeat or cytomegalovirus immediate–early promoter. Pasleau F, et al. **Gene** 1985;38(1–3):227–32
High–level expression of the bovine growth hormone gene in heterologous mammalian cells. Ramabhadran TV, et al. **Gene** 1985;38(1–3):111–8
Expression of a synthetic human growth hormone gene in yeast. Tokunaga T, et al. **Gene** 1985;39(1):117–20
Glucocorticoids regulate the expression of a rat growth hormone gene lacking 5'flanking sequences. Birnbaum MJ, et al. **J Biol Chem** 1986 Jan 5;261(1):291–7
5'–Flanking DNA of the rat growth hormone gene mediates regulated expression by thyroid hormone. Casanova J, et al. **J Biol Chem** 1985 Sep 25;260(21):11744–8
Thyroid hormone regulation of the transfected rat growth hormone promoter. Crew MD, et al. **J Biol Chem** 1986 Apr 15;261(11):5018–22
Regulation of growth hormone mRNA synthesis by 3,5,3'–triiodo–L–thyronine in cultured growth hormone–producing rat pituitary tumor cells (GC cells). Dissociation between nuclear iodothyronine receptor concentration and growth hormone mRNA synthesis during the deoxyribonucleic acid synthesis phase of the cell cycle. Kumara–Siri MH, et al. **J Biol Chem** 1985 Nov 25;260(27):14529–37
Alterations in local chromatin structure accompany thyroid hormone induction of growth hormone gene transcription. Nyborg JK, et al. **J Biol Chem** 1986 May 5;261(13):5685–8
Hormonal regulation of a polyoma virus middle–size T–antigen gene linked to growth hormone control sequences. Heiser WC, et al. **J Gen Virol** 1985 Oct;66 (Pt 10):2147–60
RNA dot and blot hybridization: selected procedures for endocrine and neuroendocrine studies. White BA, et al. **Methods Enzymol** 1986;124:269–78
Synthesis of bovine growth hormone in primates by using a herpesvirus vector. Desrosiers RC, et al. **Mol Cell Biol** 1985 Oct;5(10):2796–803
Glucocorticoid receptor binding and activation of a heterologous promoter by dexamethasone by the first intron of the human growth hormone gene. Slater EP, et al. **Mol Cell Biol** 1985 Nov;5(11):2984–92
Expression of human beta–globin genes in transgenic mice: effects of a flanking metallothionein–human growth hormone fusion gene. Townes TM, et al. **Mol Cell Biol** 1985 Aug;5(8):1977–83
Re–routing of a secretory protein by fusion with human growth hormone sequences. Moore HH, et al. **Nature** 1986 May 22–28;321(6068):443–6
Discrete cis–active genomic sequences dictate the pituitary cell type–specific expression of rat prolactin and growth hormone genes. Nelson C, et al. **Nature** 1986 Aug 7–13; 322(6079):557–62
Novel developmental specificity in the nervous system of transgenic animals expressing growth hormone fusion genes. Swanson LW, et al. **Nature** 1985 Sep 26–Oct 2; 317(6035):363–6
In vitro transcription of RU, a middle repetitive element of the rat genome. Page G, et al. **Nucleic Acids Res** 1986 Jan 24;14(2):899–914
Stable accumulation of a rat truncated repeat transcript in Xenopus oocytes. Gutierrez–Hartmann A, et al. **Proc Natl Acad Sci USA** 1986 May;83(10):3106–10
Creation of transgenic animals to study development and as models for human disease. Evans RM, et al. **Recent Prog Horm Res** 1985;41:317–37
Gene–spliced hormone for growth approved [news] Sun M. **Science** 1985 Nov 1;230(4725):523
[Ultrastructural detection of messenger RNA coding for growth hormone in the rat anterior pituitary by in situ hybridization] Morel G, et al. **C R Acad Sci [III]** 1986; 302(13):479–84 (Eng. Abstr.) **(Fre)**
[Gene organization and processing of pituitary growth hormone and prolactin] Matsui N, et al. **Nippon Rinsho** 1986 Mar;44(3):554–60 (36 ref.) **(Jpn)**
[Cloning of human 20 K growth hormone cDNA and alternative splicing sites] Nagai J, et al. **Tanpakushitsu Kakusan Koso** 1985 Aug;30(9):1044–50 **(Jpn)**

IMMUNOLOGY

Binding specificity of a monoclonal antibody towards a synthetic peptide corresponding to an antigenic determinant common to human chorionic somatomammotropin and human growth hormone. Antoni G, et al. **Ann Sclavo** 1984;1(2):71–5
Heteroclitic behaviour of some monoclonal antibodies against bovine growth hormone. Retegui LA, et al. **Mol Immunol** 1986 Feb;23(2):119–23
Comparison of the antigenicities of native human growth hormone (hGH) and three forms of recombinant hGHs using monoclonal antibodies. Sawada J, et al. **Mol Immunol** 1986 Jun;23(6):625–30
Relative distribution of various antigenic determinants on the human growth hormone surface. Vita N, et al. **Mol Immunol** 1986 Jun;23(6):619–24
Monoclonal antibodies to growth hormone and prolactin. Aston R, et al. **Pharmacol Ther** 1985;27(3):403–24 (75 ref.)
[Immunocytochemistry of the adenohypophysis using monoclonal antibodies against human growth hormone] Wang TY. **Chung Hua I Hsueh Tsa Chih** 1985 Dec; 65(12):729–31 (Eng. Abstr.) **(Chi)**

ISOLATION & PURIFICATION

A rapid method for the preparation of 125I–labelled human growth hormone for receptor studies, using reverse–phase high performance liquid chromatography. Ilondo MM, et al. **Biochem Biophys Res Commun** 1986 Jan 29;134(2):671–7
Equilibrium denaturation of pituitary– and recombinant–derived bovine growth hormone. Brems DN, et al. **Biochemistry** 1985 Dec 17;24(26):7662–8
Further characterization of growth hormone from the chum salmon (Oncorhynchus keta). Wagner GF, et al. **Gen Comp Endocrinol** 1985 Oct;60(1):27–34
Hydrophobic adsorbents for the isolation and purification of biosynthetic human growth hormone from crude fermentation mixtures. Lefort S, et al. **J Chromatogr** 1986 Jun 27;361:209–16
Pituitary program shifts focus from clinical to laboratory [news] Glasbrenner K. **JAMA** 1986 Feb 7;255(5):582–3
Safety of human growth hormone [letter] Taylor DM, et al. **Lancet** 1985 Oct 12;2(8459):837–8
Membrane filtration and safety of human growth hormone [letter] Taylor DM. **Lancet** 1986 Mar 8;1(8480):559
Purification of pituitary and biosynthetic human growth hormone using monoclonal antibody immunoadsorbent. Jónsdóttir I, et al. **Mol Cell Endocrinol** 1986 Jul;46(2):131–5
[Physiology of the growth hormone in pregnancy and discovery of a human placental growth hormone] Hennen G, et al. **Bull Mem Acad R Med Belg** 1986;141(1):111–9 (Eng. Abstr.) **(Fre)**

METABOLISM

Conversion of CSF monomeric growth hormone to large growth hormone with exposure to serum. Nixon DA, et al. **Acta Endocrinol (Copenh)** 1986 Mar;111(3):289–95
Estradiol induces a shift in cultured cells that release prolactin or growth hormone. Boockfor FR, et al. **Am J Physiol** 1986 Jan;250(1 Pt 1):E103–5
Differential effects of forskolin on LH and GH release. Evans WS, et al. **Am J Physiol** 1985 Oct;249(4 Pt 1):E392–7
The human growth hormone response to clonidine: relationship to clinical and neuroendocrine profile in depression. Dolan RJ, et al. **Am J Psychiatry** 1986 Jun; 143(6):772–4
Delayed appearance of liver growth hormone binding sites and of growth hormone–induced somatomedin production during rat development. Flandez B, et al. **Biochem Biophys Res Commun** 1986 Apr 14;136(1):38–44
The receptor binding properties of the 20K variant of human growth hormone explain its discrepant insulin–like and growth promoting activities. Smal J, et al. **Biochem Biophys Res Commun** 1986 Jan 14;134(1):159–65
Effect of zinc on the binding and action of growth hormone in isolated rat adipocytes. Herington AC. **Biochem Int** 1985 Dec;11(6):853–62
Effect of disulfide–bond reducing agents on the specific binding of growth hormone to microsomal membrane preparations from rabbit liver. Herington AC. **Biochem Pharmacol** 1986 Apr 15;35(8):1359–64
Effect of growth hormone–releasing stimuli in streptozotocin diabetic rats. Locatelli V, et al. **Brain Res** 1985 Aug 19; 341(1):35–40
Adrenal involvement in the diabetes–induced loss of growth hormone and prolactin receptors in the livers of female rats. Bryson JM, et al. **Diabetologia** 1986 Feb;29(2):106–11
On the mechanism of growth hormone autofeedback regulation: possible role of somatostatin and growth hormone–releasing factor. Conway S, et al. **Endocrinology** 1985 Dec;117(6):2284–92
Capacity of individual somatotropes to release growth hormone varies according to sex: analysis by reverse hemolytic plaque assay. Hoeffler JP, et al. **Endocrinology** 1986 Sep;119(3):1037–41
Reduction of lactogenic receptors in female hamster liver due to the human growth hormone analog produced by pierocercoids of the tapeworm, Spirometra mansonoides. Phares CK, et al. **Endocrinology** 1986 Mar;118(3):1102–9
Binding of growth hormone to rat liver during experimental chemical hepatocarcinogenesis. Roitman A, et al. **Endocrinology** 1986 May;118(5):1869–71
Release of growth hormone (GH) from purified somatotrophs: interaction of GH–releasing factor and somatostatin and role of adenosine 3',5'–monophosphate. Sheppard MS, et al. **Endocrinology** 1985 Dec; 117(6):2364–70

Differential responsiveness of the somatotroph to growth hormone–releasing factor during early neonatal development in the rat. Szabo M, et al. **Endocrinology** 1986 Jan;118(1):69–73

Involvement of lysine residues in the binding of ovine prolactin and human growth hormone to lactogenic receptors. de la Llosa P, et al. **FEBS Lett** 1985 Oct 28; 191(2):211–5

Blockade of alpha 2-adrenoreceptor prevents the growth hormone releasing effect of FK 33–824 in the dog [letter] Hsu WH. **Horm Metab Res** 1986 Jun;18(6):425

The characteristics of hGH binding to the liver macrophages. Kover K, et al. **Horm Metab Res** 1986 Jan;18(1):26–30

Response of body weight and clearance and secretion rates of growth hormone to photoperiod in Holstein heifers. Zinn SA, et al. **J Anim Sci** 1986 May;62(5):1273–8

Biosynthesis and intracellular sorting of growth hormone–viral envelope glycoprotein hybrids. Rizzolo LJ, et al. **J Cell Biol** 1985 Oct;101(4):1351–62

Characterization of insulin, insulin-like growth factors I and II, and growth hormone receptors on human leukemic lymphoblasts. Lee PD, et al. **J Clin Endocrinol Metab** 1986 Jan;62(1):28–35

Release of the 22,000- and the 20,000-dalton variants of growth hormone in vivo and in vitro by human anterior pituitary cells. Markoff E, et al. **J Clin Endocrinol Metab** 1986 Apr;62(4):664–9

Insulin-like growth factor I regulates growth hormone secretion and messenger ribonucleic acid levels in human pituitary tumor cells. Yamashita S, et al. **J Clin Endocrinol Metab** 1986 Sep;63(3):730–5

Identification and characterization of specific binding proteins for growth hormone in normal human sera. Herington AC, et al. **J Clin Invest** 1986 Jun;77(6):1817–23

Detection of host-derived contaminants in products of recombinant DNA technology in E. coli: a comparison of silver-staining and immunoblotting. Gooding RP, et al. **J Pharm Pharmacol** 1985 Nov;37(11):781–6

Mechanism of tubular uptake on human growth hormone in perfused rat kidneys. Kau ST, et al. **J Pharmacol Exp Ther** 1986 Mar;236(3):596–601

Insulin deficiency, growth hormone, and retinopathy [letter] Barnes AJ, et al. **Lancet** 1985 Oct 12;2(8459):841

SRIF-sensitive compartmentalization of stored rGH is abolished by hypothyroidism. Stachura ME. **Mol Cell Endocrinol** 1986 Jan;44(1):37–45

Analysis by plaque assays of GH and prolactin release from individual cells in cultures of male pituitaries. Evidence for functional heterogeneity within rat mammotrope and somatotrope populations. Boockfor FR, et al. **Neuroendocrinology** 1986;42(1):64–70

Intracellular potassium depletion in IM-9 lymphocytes suppresses the slowly dissociating component of human growth hormone binding and the down-regulation of its receptors but does not affect insulin receptors. Ilondo MM, et al. **Proc Natl Acad Sci USA** 1986 Sep;83(17):6460–4

A comparison between the growth hormone responses to amphetamine and clonidine [letter] Siever LJ, et al. **Psychiatry Res** 1985 Sep;16(1):79–82

Growth hormone producing pituitary adenoma and meningioma. Irsy G, et al. **Zentralbl Neurochir** 1985; 46(4):337–43

[Diabetes mellitus and endocrine balance] Doorenbos H. **Ned Tijdschr Geneeskd** 1986 Jan 18;130(3):102–6 **(Dut)**

[Intervention of the calcium–calmodulin system in the release of growth hormone induced by somatocrinin] Mougin C, et al. **Ann Endocrinol (Paris)** 1985;46(1):61–3 (Eng. Abstr.) **(Fre)**

[Significance of hormones in the amniotic fluid. II. STH and corticoids] Burkart W, et al. **Geburtshilfe Frauenheilkd** 1985 Nov;45(11):809–12 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

On the hormonal regulation of lipolysis in isolated reindeer adipocytes. Larsen TS, et al. **Acta Physiol Scand** 1985 Nov; 125(3):547–52

Effects of local administration of GH and IGF-1 on longitudinal bone growth in rats. Isgaard J, et al. **Am J Physiol** 1986 Apr;250(4 Pt 1):E367–72

A direct growth effect of growth hormone in rat hindlimb shown by arterial infusion. Schlechter NL, et al. **Am J Physiol** 1986 Mar;250(3 Pt 1):E231–5

Influence of growth hormone on nasal septal growth in rats. Vetter U, et al. **Ann Otol Rhinol Laryngol** 1986 Jan–Feb; 95(1 Pt 1):91–3

Effect of growth hormone on fatty acid oxidation: growth hormone increases the activity of 2,4-dienoyl-CoA reductase in mitochondria. Clejan S, et al. **Arch Biochem Biophys** 1986 May 1;246(2):820–8

Composite grafts of demineralized compact bone and marrow under systemic biosynthetic growth hormone treatment. Wittbjer J, et al. **Arch Orthop Trauma Surg** 1985; 104(4):233–7

Role of ornithine decarboxylase in proliferation of prolactin-dependent lymphoma cells. Elsholtz HP, et al. **Biochem Cell Biol** 1986 May;64(5):381–6

A cellular mediator for the hypoglycemic action of a human growth hormone fragment (hGH 4–15). Ng FM, et al. **Biochem Int** 1985 Nov;11(5):739–46

Direct biphasic modulation of gonadotropin-stimulated testicular androgen biosynthesis by prolactin. Welsh TH Jr, et al. **Biol Reprod** 1986 Jun;34(5):796–804

Epidermal growth factor and bovine growth hormone stimulate differentiation and myelination of brain cell aggregates in culture. Almazan G, et al. **Brain Res** 1985 Aug;353(2):257–64

The effect of growth hormone on biogenic amines in the hepatic portal circulation of the dog. Hussain MN, et al. **Can J Physiol Pharmacol** 1985 May;63(5):463–7

Hormone-modulated rRNA gene activity is visualized by selective staining of the NOs. de Capoa A, et al. **Cell Biol Int Rep** 1985 Sep;9(9):791–6

Control of mammary gland fibroblast growth by insulin, growth hormone and prolactin. Sheffield LG, et al. **Cell Biol Int Rep** 1986 Jan;10(1):33–40

Influence of growth hormone and thyroxine on cell kinetics in the proximal tibial growth plate of Snell dwarf mice. Smeets T, et al. **Cell Tissue Kinet** 1986 Mar;19(2):161–70

In vivo effects of the insulin-like growth factors (IGFs) in the hypophysectomized rat: comparison with human growth hormone and the possible role of the specific IGF carrier proteins. Zapf J, et al. **Ciba Found Symp** 1985; 116:169–87

Effects of growth hormone on glucose and acetate metabolism in sheep. Laarveld B, et al. **Comp Biochem Physiol [A]** 1986;83(3):499–502

Growth hormone effect on accumulation of arterial basement membrane–like material studied on rabbit aortic myomedial cell cultures. Ledet T, et al. **Diabetologia** 1985 Dec; 28(12):922–7

Hyperglycemic activity in dogs of recombinant DNA–derived 20,000 dalton variant of methionyl human growth hormone. Shaar CJ, et al. **Endocr Res** 1986; 12(1):21–35

Characterization of porcine growth hormone (pGH) binding to porcine liver microsomes: chronic administration of pGH induces pGH binding. Chung CS, et al. **Endocrinology** 1986 Aug;119(2):780–6

Growth hormone increases ovarian levels of immunoreactive somatomedin C/insulin-like growth factor I in vivo. Davoren JB, et al. **Endocrinology** 1986 Feb;118(2):888–90

Human growth hormone induces and maintains c-myc gene expression in Nb2 lymphoma cells. Fleming WH, et al. **Endocrinology** 1985 Dec;117(6):2547–9

The glycogenic effects of placental lactogen and growth hormone in ovine fetal liver are mediated through binding to specific fetal ovine placental lactogen receptors. Freemark M, et al. **Endocrinology** 1986 Feb;118(2):613–8

Induction of growth hormone (GH) receptors in adipocytes of hypophysectomized rats by GH. Gause I, et al. **Endocrinology** 1986 Jan;118(1):119–24

Inhibition of lactogenic activities of ovine prolactin and human growth hormone (hGH) by a novel form of a modified recombinant hGH. Gertler A, et al. **Endocrinology** 1986 Feb;118(2):720–6

Stimulation of creatine kinase activity in rat organs by human growth hormone in vivo and in vitro. Golander A, et al. **Endocrinology** 1986 May;118(5):1966–70

Growth hormone maintains its own receptors in rat adipocytes. Grichting G, et al. **Endocrinology** 1986 Aug; 119(2):847–54

Normal and recombinant human growth hormone administered by constant infusion feminize catechol estrogen formation by rat liver microsomes. Jellinck PH, et al. **Endocrinology** 1985 Dec;117(6):2274–8

Growth hormone enhances follicle-stimulating hormone–induced differentiation of cultured rat granulosa cells. Jia XC, et al. **Endocrinology** 1986 Apr;118(4):1401–9

The growth of cultured rabbit articular chondrocytes is stimulated by pituitary growth factors but not by purified human growth hormone or ovine prolactin. Jones KL, et al. **Endocrinology** 1986 Jun;118(6):2588–93

Growth hormone modulates serum cholinesterase. Lamartiniere CA. **Endocrinology** 1986 Mar;118(3):1252–4

Purified chicken growth hormone (GH) and a human pancreatic GH-releasing hormone increase body weight gain in chickens. Leung FC, et al. **Endocrinology** 1986 May; 118(5):1961–5

Growth hormone potentiates colony formation of epiphyseal chondrocytes in suspension culture. Lindahl A, et al. **Endocrinology** 1986 May;118(5):1843–8

Growth hormone and liver mitochondria: time course of effects on respiration and fatty acid composition in hypophysectomized rats. Maddaiah VT, et al. **Endocrinology** 1986 Jul;119(1):250–2

Low serum somatomedin-C in insulin-dependent diabetes: evidence for a postreceptor mechanism. Maes M, et al. **Endocrinology** 1986 Jan;118(1):377–82

Antagonism of insulin action in cultured pig adipose tissue by pituitary and recombinant porcine growth hormone: potentiation by hydrocortisone. Walton PE, et al. **Endocrinology** 1986 Jun;118(6):2577–81

Metabolism of glomerular basement membrane in normal, hypophysectomized, and growth-hormone–treated diabetic rats. Reddi AS. **Exp Mol Pathol** 1985 Oct;43(2):196–208

Insulin antagonises the growth hormone-mediated increase in the activity of phosphatidate phosphohydrolase in isolated rat hepatocytes. Pittner RA, et al. **FEBS Lett** 1986 Jun 23;202(1):133–6

Insulin dependence of the actions of growth hormone and somatostatin on splanchnic biogenic amines of the dog. Hussain MN, et al. **Horm Metab Res** 1986 Jul;18(7):436–40

Seasonal variation in oocyte recruitment and development in long-term hypophysectomized frog (Rana cyanophlyctis) in response to homoplastic pituitary pars distalis homogenate and exogenous hormones. Pancharatna M, et al. **Indian J Exp Biol** 1985 Apr;23(4):183–7

Stimulation of lipogenesis by insulin in swine adipose tissue: antagonism by porcine growth hormone. Walton PE, et al. **J Anim Sci** 1986 Jun;62(6):1584–95

Growth hormone regulates the abundance of insulin-like growth factor I RNA in adult rat liver. Roberts CT Jr, et al. **J Biol Chem** 1986 Aug 5;261(22):10025–8

Multihormonal regulation and kinetics of induction of a hepatic mRNA sequence which is slowly responsive to triiodothyronine. Wong NC, et al. **J Biol Chem** 1986 Aug 5;261(22):10387–93

Sensitivity of preadipose 3T3 cells to growth hormone. Morikawa M. **J Cell Physiol** 1986 Aug;128(2):293–8

Changes in insulin-like growth factors I and II and their binding protein after a single intramuscular injection of growth hormone. Grant MB, et al. **J Clin Endocrinol Metab** 1986 Oct;63(4):981–4

Suppression of the growth hormone (GH) response to clonidine and GH-releasing hormone by exogenous GH. Nakamoto JM, et al. **J Clin Endocrinol Metab** 1986 May; 62(5):822–6

Pituitary and recombinant deoxyribonucleic acid-derived human growth hormones alter glucose metabolism in 3T3 adipocytes. Schwartz J, et al. **J Clin Endocrinol Metab** 1986 Apr;62(4):791–4

Human fetal and adult chondrocytes. Effect of insulinlike growth factors I and II, insulin, and growth hormone on clonal growth. Vetter U, et al. **J Clin Invest** 1986 Jun; 77(6):1903–8

Effect of dose of bovine growth hormone on milk composition: alpha-lactalbumin, fatty acids, and mineral elements. Eppard PJ, et al. **J Dairy Sci** 1985 Nov; 68(11):3047–54

Effect of chronic growth hormone treatment on responses to epinephrine and thyrotropin-releasing hormone in lactating cows. McCutcheon SN, et al. **J Dairy Sci** 1986 Jan;69(1):44–51

Effects of in vivo administration of growth hormone on milk production and in vitro hepatic metabolism in dairy cattle. Pocius PA, et al. **J Dairy Sci** 1986 Mar;69(3):713–20

Effect of exogenous bovine somatotropin on pubertal mammary development in heifers. Sejrsen K, et al. **J Dairy Sci** 1986 Jun;69(6):1528–35

Exogenous growth hormone levels predict attentional performance: a preliminary report. Smith MO, et al. **J Dev Behav Pediatr** 1985 Oct;6(5):273–8

Effect of anterior hypothalamic deafferentation and continuous growth hormone infusion on the hepatic synthesis of alpha 2u-globulin in the male rat. Chatterjee B, et al. **J Endocrinol** 1986 Mar;108(3):351–5

Monoclonal antibody-mediated enhancement of growth hormone activity in vivo. Holder AT, et al. **J Endocrinol** 1985 Dec;107(3):R9–12

Effects of hypophysectomy and growth hormone infusion on rat hepatic carbonic anhydrases. Jeffery S, et al. **J Endocrinol** 1986 Jul;110(1):123–6

Growth hormone restores protein synthesis in skeletal muscle of old male rats. Sonntag WE, et al. **J Gerontol** 1985 Nov; 40(6):689–94

Effect of bovine growth hormone administration on metabolism of growing Hereford heifers: dietary digestibility, energy and nitrogen balance. Eisemann JH, et al. **J Nutr** 1986 Jan;116(1):157–63

Short-term regulation of prolactin receptors in the liver, mammary gland and kidney of pregnant and lactating rats infused with ovine prolactin or human growth hormone. Barash I, et al. **Mol Cell Endocrinol** 1986 Aug;46(3):235–44

The neurotropic effect of pituitary somatotropin and a fragment of it. Bulatov AA, et al. **Neurosci Behav Physiol** 1985 Sep–Oct;15(5):419–22

Growth hormone and bovine lactation. **Nutr Rev** 1986 Apr; 44(4):154–6

Growth hormone and insulin-like growth factors I and II produce distinct alterations in glucose metabolism in 3T3-F442A adipocytes. Schwartz J, et al. **Proc Natl Acad Sci USA** 1985 Dec;82(24):8724–8

Lipolytic activity of purified pituitary and bacterially derived growth hormone on chicken adipose tissue in vitro. Campbell RM, et al. **Proc Soc Exp Biol Med** 1985 Dec; 180(3):513–7

Effect of mammalian growth hormone and prolactin on the growth of hypophysectomized chickens. King DB, et al. **Proc Soc Exp Biol Med** 1986 Jun;182(2):201–7

Effect of growth hormone on cows [letter] Fox MW. **Science** 1986 Sep 19;233(4770):1247

The generation of insulin-like growth factor-1—sensitive cells by growth hormone action. Zezulak KM, et al. **Science** 1986 Aug 1;233(4763):551–3

Positive nitrogen balance with human growth hormone and hypocaloric intravenous feeding. Manson JM, et al. **Surgery** 1986 Aug;100(2):188–97

[Biphasic action of human growth hormones, of hypophyseal origin or bacterial production, on the lipolysis of rat adipocytes in vitro] Elsair J, et al. **Ann Endocrinol (Paris)** 1985;46(6):389–97 (Eng. Abstr.) **(Fre)**

[Effects of a short-term treatment with human growth hormone (hGH) on the parameters of phosphorus-calcium metabolism] Butturini L, et al. **Recenti Prog Med** 1986 Mar; 77(3):128–32 (Eng. Abstr.) **(Ita)**

[Effect of somatotropin on carbohydrate metabolism and the interaction of somatotropin with insulin] Keda IuM. **Probl Endokrinol (Mosk)** 1985 Nov–Dec;31(6):75–80 (68 ref.) **(Rus)**

[Effect of the synthetic tetradecapeptide corresponding to the amino acid sequence of human somatotropin 31–44 on rat blood and liver lipids] Ryzhenkov VE, et al. **Vopr Med Khim** 1986 May–Jun;32(3):108–11 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The endocrine control of growth in children with chronic renal failure. Holliday MA, et al. **Am J Kidney Dis** 1986 Apr;7(4):262–7

Growth and differentiation of fetal rat intestine transplants: dependence on insulin and growth hormone. Cooke PS, et al. **Biol Neonate** 1986;49(4):211–8

Regulation of baboon fetal adrenal androgen production by adrenocorticotropic hormone, prolactin, and growth hormone. Pepe GJ, et al. **Biol Reprod** 1985 Oct; 33(3):545–50

Growth hormone, somctomedin and prolactin—relationship to brain function. Laron Z, et al. **Brain Dev** 1985; 7(6):559–67 (42 ref.)

A dual effector theory of growth–hormone action. Green H, et al. **Differentiation** 1985;29(3):195–8 (60 ref.)

Structural features of prolactins and growth hormones that can be related to their biological properties. Nicoll CS, et al. **Endocr Rev** 1986 May;7(2):169–203 (92 ref.)

Growth hormone regulation in two types of aerobic exercise of equal oxygen uptake. VanHelder WP, et al. **Eur J Appl Physiol** 1986;55(3):236–9

Effect of chicken growth hormone, triiodothyronine and hypophysectomy in growing domestic fowl. Scanes CG, et al. **Growth** 1986 Spring;50(1):12–31

Growth hormone and diabetic retinopathy. Singh R, et al. **Indian J Ophthalmol** 1983;31 Suppl:1049–52

Growth hormone in obesity and diabetes: inappropriate hypothalamic control of secretion. Martin RJ, et al. **Int J Obes** 1985;9 Suppl 1:99–104

Interrelationships among thyroxine, growth hormone, and the sympathetic nervous system in the regulation of 5'-iodothyronine deiodinase in rat brown adipose tissue. Silva JE, et al. **J Clin Invest** 1986 Apr;77(4):1214–23

Variation among species in the endocrine control of mammary growth and function: the roles of prolactin, growth hormone, and placental lactogen. Forsyth IA. **J Dairy Sci** 1986 Mar;69(3):886–903 (146 ref.)

Lipid deposition after hypophysectomy and growth hormone treatment in the sheep fetus. Stevens D, et al. **J Dev Physiol** 1986 Apr;8(2):139–45

Thyroid function in newborn lambs: influence of prolactin and growth hormone. Kühn ER, et al. **J Endocrinol** 1986 May;109(2):215–9

Growth hormone in birds: a comparative perspective. Scanes CG, et al. **Prog Clin Biol Res** 1986;205:115–36 (87 ref.)

Physiological and clinical studies of GRF and GH. Thorner MO, et al. **Recent Prog Horm Res** 1986;42:589–640 (109 ref.)

Regulation by growth hormone of number of chondrocytes containing IGF-I in rat growth plate. Nilsson A, et al. **Science** 1986 Aug 1;233(4763):571–4

[Growth hormone and insulin–like growth factor in the dog: clinical and experimental studies] Eigenmann JE. **Schweiz Arch Tierheilkd** 1986 Feb;128(2):57–78 (Eng. Abstr.) **(Ger)**

[Various mechanisms of the participation of the hypophysis and somatotropin in the hormonal regulation of the level of specific estrogen–binding protein in the rat liver] Smirnova OV, et al. **Probl Endokrinol (Mosk)** 1986 May–Jun;32(3):65–9 (Eng. Abstr.) **(Rus)**

SECRETION

Effect of aging on growth hormone, ACTH and cortisol response to insulin–induced hypoglycemia in type I diabetes. Muggeo M, et al. **Acta Diabetol Lat** 1985 Apr–Jun; 22(2):159–68

Diurnal administration of human growth hormone–releasing factor does not modify sleep and sleep–related growth hormone secretion in normal young men. Garry P, et al. **Acta Endocrinol (Copenh)** 1985 Oct;110(2):158–63

Serotonergic regulation of prolactin and growth hormone secretion in man. Lewis DA, et al. **Acta Endocrinol (Copenh)** 1985 Oct;110(2):152–7

Theophylline blunts the GH–response to growth hormone releasing hormone in normal subjects. Losa M, et al. **Acta Endocrinol (Copenh)** 1986 Aug;112(4):473–80

Accumulation of amyloid in pituitary adenomas. Saitoh Y, et al. **Acta Neuropathol (Berl)** 1985;68(2):87–92

The effects of cranial irradiation on growth hormone secretion. Ahmed SR, et al. **Acta Paediatr Scand** 1986 Mar; 75(2):255–60

Effect of human pancreatic polypeptide (HPP) on the release of anterior pituitary hormones. Ottlecz A, et al. **Acta Physiol Hung** 1986;67(3):277–81

Sleep–related hormone secretion in depressed patients. Jarrett DB, et al. **Acta Psychiatr Belg** 1985 Sep–Oct;85(5):603–14

Administration of low–dose estrogen rapidly and directly stimulates growth hormone production. Moll GW Jr, et al. **Am J Dis Child** 1986 Feb;140(2):124–7

Sex–related differences in GH secretion in rat using reverse hemolytic plaque assay. Ho KY, et al. **Am J Physiol** 1986 Jun;250(6 Pt 1):E650–4

TRH and GRF stimulate release of growth hormone through different mechanisms. Szabo M. **Am J Physiol** 1986 May; 250(5 Pt 1):E512–7

An immunohistochemical study on the mouse adenohypophysis with reference to the spatial relationship between GH cells and other types of hormone–producing cells. Watanabe YG. **Anat Embryol (Berl)** 1985; 172(3):277–80

Pituitary tumors secreting growth hormone and prolactin [clinical conference] Melmed S, et al. **Ann Intern Med** 1986 Aug;105(2):238–53 (167 ref.)

Growth hormone releasing hormone. Gelato MC, et al. **Annu Rev Physiol** 1986;48:569–91 (138 ref.)

Octapeptide analogs of somatostatin exhibiting greatly enhanced in vivo and in vitro inhibition of growth hormone secretion in the rat. Murphy WA, et al. **Biochem Biophys Res Commun** 1985 Nov 15;132(3):922–8

Rat atrial natriuretic factor suppresses proopiomelanocortin–derived peptides secretion from both anterior and intermediate lobe cells and growth hormone release from anterior lobe cells of rat pituitary in vitro. Shibasaki T, et al. **Biochem Biophys Res Commun** 1986 Mar 28;135(3):1035–41

Bacterial adenylate cyclase increases cyclic AMP and hormone release in pituitary tumor cells. Weiss J, et al. **Biochem Biophys Res Commun** 1986 Apr 29;136(2):463–9

Ontogeny of growth hormone, prolactin, luteinizing hormone, and testosterone secretory patterns in the ram. Klindt J, et al. **Biol Reprod** 1985 Sep;33(2):436–44

Inhibition by somatostatin of the release of growth hormone induced by lysine–vasopressin in normal subjects. Chiodera P, et al. **Biomed Pharmacother** 1985;39(6):334–7

Achondroplasia and obstructive sleep apnea: correction of apnea and abnormal sleep–entrained growth hormone release by tracheostomy. Goldstein SJ, et al. **Birth Defects** 1985;21(2):93–101

Suppressive action of ACTH on growth hormone secretion in patients with infantile spasms. Izumi T, et al. **Brain Dev** 1985;7(6):636–9

Changes in growth hormone and prolactin release after superior cervical ganglionectomy of rats. Cardinali DP, et al. **Brain Res** 1986 Jan 22;363(2):350–3

Bombesin inhibits growth hormone response to insulin–induced hypoglycemia in humans. Scarpignato C, et al. **Brain Res** 1986 Apr 16;371(1):187–9

Effects of neonatal administration of monosodium glutamate on plasma growth hormone (GH) response to GH–releasing factor in adult male and female rats. Wakabayashi I, et al. **Brain Res** 1986 May 7;372(2):361–5

Effect of hypothalamic ventromedial lesions on plasma growth hormone response to growth hormone–releasing factor in rats. Wakabayashi I, et al. **Brain Res** 1985 Oct 28;346(1):70–4

Activation of GABA receptors in the hypothalamus stimulates secretion of growth hormone and prolactin. Willoughby JO, et al. **Brain Res** 1986 May 21;374(1):119–25

Adrenoceptors in the preoptic–anterior hypothalamic area stimulate secretion of prolactin but not growth hormone in the male rat. Willoughby JO, et al. **Brain Res Bull** 1986 May;16(5):697–704

Pathological diversity in clinical syndromes of pituitary hypersecretion: its significance in evaluating their surgical treatment. Smyth HS. **Can J Neurol Sci** 1985 Nov; 12(4):358–62

Human growth hormone release is decreased during sleep in temporal isolation (free–running). Moline ML, et al. **Chronobiologia** 1986 Jan–Mar;13(1):13–9

The response of obese subjects to continuous infusion of human pancreatic growth hormone–releasing factor 1–44. Davies RR, et al. **Clin Endocrinol (Oxf)** 1985 Nov; 23(5):521–5

Influence of dopaminergic, adrenergic and cholinergic blockade and TRH administration on GH responses to GRF 1–29. Jordan V, et al. **Clin Endocrinol (Oxf)** 1986 Mar;24(3):291–8

Lack of effect of muscarinic cholinergic blockade on the GH responses to GRF 1–29 and TRH in acromegalic subjects. Jordan V, et al. **Clin Endocrinol (Oxf)** 1986 Apr; 24(4):415–20

Growth hormone response to low dose intravenous injections of growth hormone releasing factor in obese and normal weight women. Kopelman PG, et al. **Clin Endocrinol (Oxf)** 1986 Feb;24(2):157–64

Growth hormone releasing factor–test in acromegaly: comparison with other dynamic tests. Losa M, et al. **Clin Endocrinol (Oxf)** 1985 Aug;23(2):99–109

Human pancreatic growth hormone releasing hormone fails to stimulate human growth hormone both in Cushing's disease and in Cushing's syndrome due to adrenocortical adenoma. Smals AE, et al. **Clin Endocrinol (Oxf)** 1986 Apr; 24(4):401–7

Growth hormone–secreting pituitary adenoma of mixed cell type: a histological, ultrastructural and immunocytochemical study. Ironside JW, et al. **Clin Neuropathol** 1986 Jan–Feb;5(1):28–33

Control of growth hormone secretion in the vertebrates: a comparative survey. Hall TR, et al. **Comp Biochem Physiol [A]** 1986;84(2):231–53 (243 ref.)

Effects of insulin on rat anterior pituitary cells. Inhibition of growth hormone secretion and mRNA levels. Yamashita S, et al. **Diabetes** 1986 Apr;35(4):440–7

Cholinergic but not serotonergic mediation of exercise–induced growth hormone secretion. Brillon D, et al. **Endocr Res** 1986;12(2):137–46

Growth hormone release: interaction of increased extracellular calcium and somatostatin. Stachura ME. **Endocr Res** 1986;12(1):69–92

Release of stored, pre–labeled growth hormone and prolactin from perifused rat pituitary: effect of human pancreatic growth hormone–releasing factor–44. Stachura ME, et al. **Endocr Res** 1986;12(2):171–91

Growth hormone, thyrotropin and prolactin responses to simultaneous administration of human growth hormone–releasing factor and thyrotropin releasing hormone in the bovine. Hodate K, et al. **Endocrinol Jpn** 1985 Jun;32(3):375–83

Effects of phorbol ester on GH, TSH and PRL release by superfused rat adenohypophysis. Ikeda H, et al. **Endocrinol Jpn** 1985 Oct;32(5):759–65

Alteration of pulsatile growth hormone secretion by growth–inducing exercise: involvement of endogenous opiates and somatostatin. Borer KT, et al. **Endocrinology** 1986 Feb;118(2):844–50

Diminished pituitary responsiveness to growth hormone–releasing factor in aging male rats. Ceda GP, et al. **Endocrinology** 1986 May;118(5):2109–14

The effect of age on somatostatin suppression of basal, growth hormone (GH)–releasing factor–stimulated, and dibutyryl adenosine 3',5'–monophosphate–stimulated GH release from rat pituitary cells in monolayer culture. Cuttler L, et al. **Endocrinology** 1986 Jul;119(1):152–8

Adenosine inhibits prolactin and growth hormone secretion in a clonal pituitary cell line. Dorflinger LJ, et al. **Endocrinology** 1985 Dec;117(6):2330–8

Growth hormone and prolactin secretion in genetically obese Zucker rats. Finkelstein JA, et al. **Endocrinology** 1986 Mar; 118(3):1233–6

Regulation of release of somatotropin from in vitro cultures of bovine and porcine pituitary cells. Glenn KC. **Endocrinology** 1986 Jun;118(6):2450–7

The effect of glucose and free fatty acids on growth hormone (GH)–releasing factor–mediated GH secretion in rats. Imaki T, et al. **Endocrinology** 1986 Jun;118(6):2390–4

Imprinting of growth hormone secretion, body growth, and hepatic steroid metabolism by neonatal testosterone. Jansson JO, et al. **Endocrinology** 1985 Nov;117(5):1881–9

Loss of enhanced nocturnal growth hormone secretion in aging rhesus males. Kaler LW, et al. **Endocrinology** 1986 Sep;119(3):1281–4

Growth hormone (GH)–releasing factor stimulates hypothalamic somatostatin release: an inhibitory feedback effect on GH secretion. Katakami H, et al. **Endocrinology** 1986 May;118(5):1872–7

Electrical stimulation of several limbic areas suppressed the growth hormone (GH) release induced by human pancreatic GH–releasing factor in pentobarbital–anesthetized rats. Kato M, et al. **Endocrinology** 1986 Mar;118(3):955–60

Sex differences in beta–adrenergic stimulation of growth hormone secretion in vitro. Krieg RJ Jr, et al. **Endocrinology** 1986 Sep;119(3):1339–42

Association of 45Ca2+ mobilization with stimulation of growth hormone (GH) release by GH–releasing factor in dispersed normal male rat pituitary cells. Login IS, et al. **Endocrinology** 1986 Jan;118(1):239–43

Insulin–like growth factor–I action on hypothyroid rat pituitary cells: suppression of triiodothyronine–induced growth hormone secretion and messenger ribonucleic acid levels. Melmed S, et al. **Endocrinology** 1986 Apr; 118(4):1483–90

Beta–adrenergic binding and secretory responses of the anterior pituitary. Perkins SN, et al. **Endocrinology** 1985 Nov;117(5):1818–25

On the fate of centrally administered somatostatin in the rat: massive hypersomatostatinemia resulting from leakage into the peripheral circulation has effects on growth hormone secretion and glucoregulation. Tannenbaum GS, et al. **Endocrinology** 1986 May;118(5):2137–43

Insulin–like growth factor I action on rat anterior pituitary cells: suppression of growth hormone secretion and messenger ribonucleic acid levels. Yamashita S, et al. **Endocrinology** 1986 Jan;118(1):176–82

The effect of ornithine alpha–ketoglutarate on growth hormone (GH) and prolactin (PRL) release in normal subjects. Krassowski J, et al. **Endokrynol Pol** 1986; 37(1):11–5

Synthetic human growth hormone releasing factor (h–GRF–1–44–NH2) dose response effect on growth hormone and prolactin secretion in healthy adult men. Boissel JP, et al. **Eur J Clin Pharmacol** 1986;29(5):609–14

Pharmacokinetics of a long–acting bromocriptine preparation (Parlodel LA) and its effect on release of prolactin and growth hormone. del Pozo E, et al. **Eur J Clin Pharmacol** 1986;29(5):615–8

Evidence for a GABAergic control of the exercise–induced rise in GH in man. Steardo L, et al. **Eur J Clin Pharmacol** 1985;28(5):607–9

Isolation and characterization of rat–mouse somatic cell hybrids secreting growth hormone and prolactin. Melmed S, et al. **Exp Cell Res** 1986 Feb;162(2):475–85

Thyrotropin–releasing hormone does not inhibit lysine vasopressin–induced growth hormone secretion in normal

men. Rossi G, et al. **Experientia** 1985 Dec 15;41(12):1573–4
Use of quin 2 to measure calcium concentrations in ovine anterior pituitary cells and the effects of quin 2 on secretion of growth hormone and prolactin. Hart GR, et al. **FEBS Lett** 1986 Jul 14;203(1):77–81
Calcium control of growth hormone release from chicken pituitary glands in vitro. Hall TR, et al. **Gen Comp Endocrinol** 1985 Oct;60(1):70–4
In vitro release of growth hormone from the pituitary gland of tilapia, Oreochromis mossambicus. Nishioka RS, et al. **Gen Comp Endocrinol** 1985 Oct;60(1):90–4
Effect of growth hormone–secreting tumors on adipose tissue cellularity in young and mature rats. McCusker RH, et al. **Growth** 1986 Spring;50(1):128–37
Increased secretion of growth hormone in rats undergoing catch–up growth after fasting. Mosier HD Jr, et al. **Growth** 1985 Autumn;49(3):346–53
Episodic patterns of growth hormone secretion and growth hormone status of normal and tibial dyschondroplastic chickens. Vasilatos–Younken R, et al. **Growth** 1986 Spring; 50(1):84–94
Human pancreatic growth hormone releasing factor stimulates growth hormone secretion in perinatal dwarf and control chickens. Huybrechts LM, et al. **Horm Metab Res** 1985 Dec;17(12):690–1
Correlative studies between the presence of thyrotropin–releasing hormone (TRH) receptors and the in vitro stimulation of growth–hormone (GH) secretion in human GH–secreting adenomas. Le Dafniet M, et al. **Horm Metab Res** 1985 Sep;17(9):476–9
Plasma growth hormone responses to microinfusion of noradrenergic agents into or electrical stimulation of the hypothalamus and amygdala in baboons. McWilliam JR, et al. **Horm Metab Res** 1985 Sep;17(9):443–7
CCK–8 antagonizes apomorphine–induced growth hormone secretion in normal subjects. Nair NP, et al. **Horm Metab Res** 1986 Jan;18(1):53–5
Variability of GH response to GRF shows no relationship with peripheral somatostatin and somatomedin C levels. Plewe G, et al. **Horm Metab Res** 1985 Sep;17(9):481
Impaired glucose tolerance coincides with abnormal release of growth hormone following a glucose load as well as in response to TRH in acromegaly. Zárate A, et al. **Horm Metab Res** 1986 Jun;18(6):400–1
The growth hormone–glucose system in ageing and cancer. Tsyrlina YeV, et al. **IARC Sci Publ** 1985;(58):261–6
Hormonal secretion during sleep in man. Modification of growth hormone and prolactin secretion by interruption and selective deprivation of sleep. Beck U. **Int J Neurol** 1981;15(1–2):17–29
The role of neuropeptides in modulating PRL and GH secretion. Lancranjan I, et al. **Int J Neurol** 1980; 14(2–4):175–88 (60 ref.)
Comparison of the effect of insulin hypoglycemia and clonidine on secretion of growth hormone, cortisol and beta–endorphin in children and adolescents. Gil–Ad I, et al. **Isr J Med Sci** 1985 Nov;21(11):912–4
Growth hormone, body composition, and aging. Rudman D. **J Am Geriatr Soc** 1985 Nov;33(11):800–7 (113 ref.)
Reciprocal cross effects on growth hormone and prolactin secretion in cattle: influence of genotype and maternal environment. Klindt J, et al. **J Anim Sci** 1986 Jun; 62(6):1660–5
Growth hormone response to oral glucose before and after transfrontal pituitary surgery and radiotherapy in acromegaly. Dash RJ, et al. **J Assoc Physicians India** 1986 Mar;34(3):171–3
Association of the 3,5,3'–triiodo–L–thyronine nuclear receptor with the nuclear matrix of cultured growth hormone–producing rat pituitary tumor cells (GC cells). Kumara–Siri MH, et al. **J Biol Chem** 1986 Feb 25; 261(6):2844–52
Secretory protein targeting in a pituitary cell line: differential transport of foreign secretory proteins to distinct secretory pathways. Moore HP, et al. **J Cell Biol** 1985 Nov;101(5 Pt 1):1773–81
Morphological studies on mixed growth hormone (GH)– and prolactin (PRL)–secreting human pituitary adenomas. Coexistence of GH and PRL in the same secretory granule. Bassetti M, et al. **J Clin Endocrinol Metab** 1986 Jun; 62(6):1093–100
Molecular forms of human growth hormone secreted in vivo: nonspecificity of secretory stimuli. Baumann G, et al. **J Clin Endocrinol Metab** 1986 Apr;62(4):789–90
Endocrine, biochemical, and morphological studies of a pituitary adenoma secreting growth hormone, thyrotropin (TSH), and alpha–subunit: evidence for secretion of TSH with increased bioactivity. Beck–Peccoz P, et al. **J Clin Endocrinol Metab** 1986 Apr;62(4):704–11
Growth hormone (GH) provocative testing frequently does not reflect endogenous GH secretion. Bercu BB, et al. **J Clin Endocrinol Metab** 1986 Sep;63(3):709–16
Preservation of dopaminergic and alpha–adrenergic function in children with growth hormone neurosecretory dysfunction. Bercu BB, et al. **J Clin Endocrinol Metab** 1986 Oct;63(4):968–73
Atropine blockade of growth hormone (GH)–releasing hormone–induced GH secretion in man is not exerted at pituitary level. Casanueva FF, et al. **J Clin Endocrinol Metab** 1986 Jan;62(1):186–91
The acute effects of exercise on prolactin and growth hormone secretion: comparison between sedentary women and women runners with normal and abnormal menstrual cycles. Chang FE, et al. **J Clin Endocrinol Metab** 1986 Mar;62(3):551–6
Regulation of growth hormone and somatomedin–C secretion in postmenopausal women: effect of physiological estrogen replacement. Dawson–Hughes B, et al. **J Clin Endocrinol Metab** 1986 Aug;63(2):424–32
Growth hormone (GH) responses to GH–releasing hormone during pubertal development in normal boys and girls: comparison to idiopathic short stature and GH deficiency. Gelato MC, et al. **J Clin Endocrinol Metab** 1986 Jul; 63(1):174–9
The effect of androgens on the pulsatile release and the twenty–four–hour mean concentration of growth hormone in peripubertal males. Link K, et al. **J Clin Endocrinol Metab** 1986 Jan;62(1):159–64
Growth hormone–releasing hormone infusion in patients with active acromegaly. Losa M, et al. **J Clin Endocrinol Metab** 1986 Jul;63(1):88–93
Failure to detect the "dawn phenomenon" in nondiabetic subjects with markedly different patterns of nocturnal growth hormone secretion. Mauras N, et al. **J Clin Endocrinol Metab** 1986 May;62(5):975–9
Effect of cholinergic muscarinic receptor blockade on human growth hormone (GH)–releasing hormone–(1–44)–induced GH secretion in acromegaly and type I diabetes mellitus. Pietschmann P, et al. **J Clin Endocrinol Metab** 1986 Aug; 63(2):389–93
Impaired growth hormone (GH) response to GH–releasing hormone in thalassemia major. Pintor C, et al. **J Clin Endocrinol Metab** 1986 Feb;62(2):263–7
Nocturnal continuous infusion of growth hormone (GH)–releasing hormone results in a dose–dependent accentuation of episodic GH secretion in normal men. Sassolas G, et al. **J Clin Endocrinol Metab** 1986 Oct; 63(4):1016–22
Studies on the response of growth hormone (GH) secretion to GH–releasing hormone, thyrotropin–releasing hormone, gonadotropin–releasing hormone, and somatostatin in acromegaly. Shibasaki T, et al. **J Clin Endocrinol Metab** 1986 Jul;63(1):167–73
Dual effects of growth hormone (GH)–releasing hormone infusion in normal men: somatotroph desensitization and increase in releasable GH. Vance ML, et al. **J Clin Endocrinol Metab** 1986 Mar;62(3):591–4
Decreased hypothalamic growth hormone–releasing hormone content and pituitary responsiveness in hypothyroidism. Katakami H, et al. **J Clin Invest** 1986 May; 77(5):1704–11
Growth hormone–releasing factor stimulates milk production and sustains growth hormone release in Holstein cows. Enright WJ, et al. **J Dairy Sci** 1986 Feb;69(2):344–51
Muscarinic influences on growth hormone secretion in the fetal and neonatal sheep: pharmacological studies and in vitro binding studies. Gluckman PD, et al. **J Dev Physiol** 1985 Dec;7(6):411–9
Pulsatile growth hormone secretion in the ovine fetus and neonatal lamb. Bassett NS, et al. **J Endocrinol** 1986 Jun; 109(3):307–12
Cranial irradiation for cerebral and nasopharyngeal tumours in children: evidence for the production of a hypothalamic defect in growth hormone release. Blacklay A, et al. **J Endocrinol** 1986 Jan;108(1):25–9
Growth hormone responses to growth hormone–releasing factor (1–29) in euthyroid, hypothyroid and hyperthyroid rats. Dieguez C, et al. **J Endocrinol** 1986 Apr;109(1):53–6
Synergistic interaction in bovine pituitary cultures between growth hormone–releasing factor and other hypophysiotrophic factors. Ingram CD, et al. **J Endocrinol** 1986 Apr;109(1):67–74
Stimulation of in–vivo growth hormone secretion in young chickens by rat hypothalamic growth hormone–releasing factor and synthetic analogues. Scanes CG, et al. **J Endocrinol** 1986 Mar;108(3):413–6
The influence of thyroid disorders on the dopaminergic regulation of prolactin, thyrotropin and growth hormone. Eskildsen PC, et al. **J Endocrinol Invest** 1985 Oct; 8(5):427–31
ACTH 1–17 stimulates GH pituitary secretion in humans. Valenti G, et al. **J Endocrinol Invest** 1986 Apr;9(2):165–9
Cardiac morphology in rats with growth hormone–producing tumours. Gilbert PL, et al. **J Mol Cell Cardiol** 1985 Aug; 17(8):805–11
Intracranial and intraspinal dissemination from a growth hormone–secreting pituitary tumor. Case report. Hashimoto N, et al. **J Neurosurg** 1986 Jan;64(1):140–4
Growth hormone in Turner syndrome [letter] Lippe BM, et al. **J Pediatr** 1985 Oct;107(4):642
Catecholaminergic regulation of opiate–stimulated growth hormone secretion in the developing rat. Bero LA, et al. **J Pharmacol Exp Ther** 1986 Apr;237(1):137–42
Endocrine mediators of metabolism associated with injury and sepsis. Dahn MS, et al. **JPEN J Parenter Enteral Nutr** 1986 May–Jun;10(3):253–7
Growth hormone release in man induced by galanin, a new hypothalamic peptide. Bauer FE, et al. **Lancet** 1986 Jul 26;2(8500):192–5
Comparison between a physiological and a pharmacological stimulus of growth hormone secretion: response to stage IV sleep and insulin–induced hypoglycaemia. Hindmarsh PC, et al. **Lancet** 1985 Nov 9;2(8463):1033–5
Does alprazolam, in contrast to diazepam, activate alpha 2–adrenoceptors involved in the regulation of rat growth hormone secretion? Eriksson E, et al. **Life Sci** 1986 Apr 21;38(16):1491–8
Estradiol increases growth hormone secretion in rats exposed to swimming stress or reserpine treatment. Eriksson E, et al. **Life Sci** 1985 Sep 30;37(13):1241–8
Effects of hypersecretion of growth hormone and prolactin on plasma levels of glucagon and insulin in GH3–cell–tumor–bearing rats, and the influence of bromocriptine treatment. Knudtzon J, et al. **Life Sci** 1986 Aug 18;39(7):617–21
The effects of the acute administration of phencyclidine hydrochloride (PCP) on the release of corticosterone, growth hormone and prolactin in the rat. Pechnick RN, et al. **Life Sci** 1986 Jan 20;38(3):291–6
Pharmacological evidence for a dual GABAergic regulation of growth hormone release in humans. Steardo L, et al. **Life Sci** 1986 Sep 15;39(11):979–85
Perifusion of anterior pituitary cells: release of gonadotropins and somatotropins. Badger TM. **Methods Enzymol** 1986; 124:79–90
The Brattleboro rat: normal growth hormone secretion, decreased hepatic growth hormone receptors and low plasma somatomedin activity. Bullier–Picard F, et al. **Mol Cell Endocrinol** 1986 Apr;45(1):49–56
Dopamine and somatostatin inhibit forskolin–stimulated prolactin and growth hormone secretion but not stimulated cyclic AMP levels in sheep anterior pituitary cell cultures. Ray KP, et al. **Mol Cell Endocrinol** 1986 May; 45(2–3):175–82
Characteristics of the desensitization of growth hormone and cyclic AMP responses to growth hormone–releasing factor and prostaglandin E2 in rat anterior pituitary cells in culture. Simard J, et al. **Mol Cell Endocrinol** 1986 Jun; 46(1):79–89
Relative potencies of human, rat, bovine/caprine, porcine and ovine hypothalamic growth hormone–releasing factors to release growth hormone by the rat anterior pituitary in vitro. Baird A, et al. **Neuroendocrinology** 1986; 42(4):273–6
Involvement of hypothalamic somatostatin in the suppression of growth hormone secretion by central corticotropin–releasing factor in conscious male rats. Katakami H, et al. **Neuroendocrinology** 1985 Nov; 41(5):390–3
Opioid kappa receptors and the secretion of prolactin (PRL) and growth hormone (GH) in the rat. I. Effects of opioid kappa receptor agonists bremazocine and U–50,488 on secretion of PRL and GH: comparison with morphine. Krulich L, et al. **Neuroendocrinology** 1986;42(1):75–81
Thyroidectomy abolishes pulsatile growth hormone secretion without affecting hypothalamic somatostatin. Martin D, et al. **Neuroendocrinology** 1985 Dec;41(6):476–81
Somatotroph responsiveness to low dose dopamine infusion in normal subjects and acromegalic patients. Serri O. **Neuroendocrinology** 1986;42(6):475–80
Structural correlates of stimulated and inhibited secretion: electron microscopic observations of somatotrophs in perifused rat pituitary. Stachura ME, et al. **Neuroendocrinology** 1986;42(5):383–91
Regulation of growth hormone and thyrotropin secretion by somatostatin systems in rat brain. Terry LC, et al. **Neuroendocrinology** 1986;42(3):218–25
Effects of hypothalamic periventricular lesions on pulsatile growth hormone secretion. Urman S, et al. **Neuroendocrinology** 1985 Nov;41(5):357–62
Continuous infusion of growth hormone–releasing factor: effects on pulsatile growth hormone secretion in normal rats. Wehrenberg WB. **Neuroendocrinology** 1986; 43(3):391–6
Pituitary tumour causing gigantism. Morphology and in vitro hormone secretion. Anniko M, et al. **ORL J Otorhinolaryngol Relat Spec** 1986;48(3):180–90
Dissociation of catch–up growth control and neural control of growth hormone secretion in the stunted head–irradiated rat. Mosier HD Jr, et al. **Pediatr Res** 1986 Mar;20(3):261–4
Galanin: evidence for a hypothalamic site of action to release growth hormone. Ottlecz A, et al. **Peptides** 1986 Jan–Feb; 7(1):51–3
Clinical studies with human growth hormone releasing factor in normal adults and patients. Sassolas G, et al. **Peptides** 1986;7 Suppl 1:281–6
Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space Lab 3. Hymer WC, et al. **Physiologist** 1985 Dec;28(6 Suppl):S197–8
Effect of thyroid hormones on growth hormone secretion in broiler chickens. Scanes CG, et al. **Poult Sci** 1986 Feb; 65(2):384–90
Growth hormone–releasing factor stimulates proliferation of somatotrophs in vitro. Billestrup N, et al. **Proc Natl Acad Sci USA** 1986 Sep;83(18):6854–7
Hyperpolarization of the membrane potential caused by somatostatin in dissociated human pituitary adenoma cells that secrete growth hormone. Yamashita N, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(16):6198–202
The molecular weight forms of rat growth hormone secreted in response to growth hormone–releasing factor. Wehrenberg WB, et al. **Proc Soc Exp Biol Med** 1986 May; 182(1):107–11
Relationship of psychotic symptom clusters in schizophrenia to neuroleptic treatment and growth hormone response to

apomorphine. Zemlan FP, et al. **Psychiatry Res** 1986 Jul; 18(3):239–55
Gonadotropin releasing hormone elicits abnormal hormone responses in schizophrenia. Cantalamessa L, et al. **Psychoneuroendocrinology** 1985;10(4):481–4
Effects of acute benzodiazepine administration on growth hormone, prolactin and cortisol release after moderate insulin-induced hypoglycemia in normal women. Ambrosi F, et al. **Psychopharmacology (Berlin)** 1986;88(2):187–9
Neuroendocrine effects of clonidine in chronic schizophrenic patients under long-term neuroleptic therapy and after drug withdrawal: relations to psychopathology. Müller-Spahn F, et al. **Psychopharmacology (Berlin)** 1986; 88(2):190–5
GH clonal cells as a model for the relation between peptide control of hypophysial secretion and intracellular modulation of membrane electrical activity. Brigant JL, et al. **Regul Pept [Suppl]** 1985;4:74–7
[GRF and human somatotropic adenoma. In vivo and in vitro correlations between GH release and morphological and immunocytochemical aspects] Loras B, et al. **Ann Endocrinol (Paris)** 1985;46(6):373–82 (Eng. Abstr.) **(Fre)**
[Responses of somatotropin to stimuli after brief administration of estradiol in short children] Garnier P, et al. **Arch Fr Pediatr** 1985 Jun–Jul;42(6):423–7 (Eng. Abstr.) **(Fre)**
[Somatotropin secretion during sleep in 60 cases of growth retardation in children] Rochiccioli P, et al. **Arch Fr Pediatr** 1985 Oct;42(8):665–70 (Eng. Abstr.) **(Fre)**
[Effects of arginine, administered orally, on the endogenous secretion of the STH-somatomedin complex in young human volunteers] Elsair J, et al. **C R Soc Biol (Paris)** 1985; 179(5):608–14 (Eng. Abstr.) **(Fre)**
[Somatotropin secretion during sleep. Application to partial somatotropin deficiency in the child] Tiberge M, et al. **Rev Electroencephalogr Neurophysiol Clin** 1986 Mar; 16(1):9–19 (Eng. Abstr.) **(Fre)**
[Is the somatotropic hormone of etiopathogenic importance in psoriasis?] Sönnichsen N, et al. **Dermatol Monatsschr** 1985;171(8):499–503 (Eng. Abstr.) **(Ger)**
[TRH-stimulated growth hormone secretion in acromegaly. Therapeutic results with 188 patients] Eversmann T, et al. **Dtsch Med Wochenschr** 1986 Jul 11;111(28–29):1091–6 (Eng. Abstr.) **(Ger)**
[Spontaneous secretion of growth hormone in deep nocturnal sleep. I. Measurement, calculation and normal values in childhood] Bierich JR, et al. **Monatsschr Kinderheilkd** 1985 Jun;133(6):342–6 **(Ger)**
[GRF (growth hormone-releasing-factor) in the study of somatotropin secretion] Giusti M, et al. **Minerva Endocrinol** 1985 Jul–Sep;10(3):149–63 (Eng. Abstr.) **(Ita)**
[Acromegaly. Physiopathological aspects and description of a clinical case] Coppola A, et al. **Minerva Med** 1986 Mar 17;77(11):395–401 (Eng. Abstr.) **(Ita)**
[Insulin, glucagon and growth hormone responses during glucose, arginine and insulin tolerance tests in children with hyperthyroidism] Kato T, et al. **Nippon Naibunpi Gakkai Zasshi** 1985 Jun 20;61(6):665–76 (Eng. Abstr.) **(Jpn)**
[Secretory control of pituitary hormones—growth hormone and prolactin] Takeda S, et al. **Nippon Rinsho** 1986 Mar; 44(3):587–92 (28 ref.) **(Jpn)**
[A case of growth hormone-producing adenoma presenting as a non-functioning tumor at recurrence] Teramoto A, et al. **No Shinkei Geka** 1986 Mar;14(4):563–8 (Eng. Abstr.) **(Jpn)**
[CT findings of growth hormone secreting pituitary adenomas] Yamagami T, et al. **No To Shinkei** 1986 Mar; 38(3):239–46 (Eng. Abstr.) **(Jpn)**
[Clinical evaluation of the regulation of growth hormone and prolactin secretion] Kato Y. **Rinsho Byori** 1985 May; 33(5):475–9 **(Jpn)**
[Circadian rhythm of growth hormone secretion in Turner's syndrome] Waśko R, et al. **Endokrynol Pol** 1985;36(1):9–17 (Eng. Abstr.) **(Pol)**
[Effect of naloxone on corticotropin and somatotropin secretion in patients with acute renal failure] Grzeszczak W, et al. **Pol Tyg Lek** 1985 Aug 5;40(31):871–5 (Eng. Abstr.) **(Pol)**
[Postoperative hormonal reaction and direct results of the surgical treatment of patients with laryngeal cancer] Khmelevskii IaM, et al. **Anesteziol Reanimatol** 1985 Nov–Dec;(6):32–6 (Eng. Abstr.) **(Rus)**
[Immunological status and somatotropic activity of the pituitary in combined abdominal injuries complicated by peritonitis] Deriabin II, et al. **Vestn Khir** 1985 Nov; 135(11):79–83 (Eng. Abstr.) **(Rus)**
[Features of tolerance of somatotropic hormone to insulin in progressive muscular dystrophy] Temin PA, et al. **Zh Nevropatol Psikhiatr** 1985;85(11):1642–4 (Eng. Abstr.) **(Rus)**
[Somatomedins and their role as regulators of the secretion of growth hormone] Donnay Candil S, et al. **Rev Clin Esp** 1985 Nov;177(7):307–9 (49 ref.) (Eng. Abstr.) **(Spa)**
[Response of hGH to insulin hypoglycemia and to bromocriptine before and after the administration of L-dopa in primary hypothyroidism] Campino C, et al. **Rev Med Chil** 1985 Apr;113(4):296–300 (Eng. Abstr.) **(Spa)**

STANDARDS

The International Standard for Human Growth Hormone for Bioassay: calibration and characterization by international collaborative study. Bangham DR, et al. **Mol Cell Endocrinol** 1985 Oct;42(3):269–82

THERAPEUTIC USE

GH deficient children receiving GH replacement do not grow during intermittent infectious illness. Hermanussen M, et al. **Acta Paediatr Scand** 1986 Jul;75(4):601–4
Growth hormone therapy of short stature. Knudtzon J. **Acta Paediatr Scand** 1986 May;75(3):353–61 (82 ref.)
The educational, vocational, and marital status of growth hormone-deficient adults treated with growth hormone during childhood. Dean HJ, et al. **Am J Dis Child** 1985 Nov;139(11):1105–10
Corticotropin deficiency in Russell-Silver syndrome [letter] Morris AH, et al. **Am J Dis Child** 1986 Sep;140(9):856–7
Growth and somatomedin responses to growth hormone in Down's syndrome. Annerén G, et al. **Arch Dis Child** 1986 Jan;61(1):48–52
Use of human growth hormone in treatment of nesidioblastosis in a neonate. Hocking MD, et al. **Arch Dis Child** 1986 Jul;61(7):706–7
Growth hormone 1985 [editorial] Milner RD. **Br Med J [Clin Res]** 1985 Dec 7;291(6509):1593–4
Growth hormone therapy in Canada: end of one era and beginning of another. Dean HJ, et al. **Can Med Assoc J** 1986 Aug 15;135(4):297–301 (37 ref.)
Genetically engineered human growth hormone approved. **FDA Drug Bull** 1985 Dec;15(4):38–9
Lack of seasonal influence on growth hormone therapy. Kollipara S, et al. **Growth** 1985 Autumn;49(3):341–5
Effects of human growth hormone administration on growth rate and growth-stimulating activity of serum, measured by lymphocyte bioassay in hypopituitary children. Bozzola M, et al. **Horm Metab Res** 1986 Apr;18(4):264–7
Effects of hypopituitarism and growth hormone replacement therapy on the production and utilization of glucose in childhood. Bougneres PF, et al. **J Clin Endocrinol Metab** 1985 Dec;61(6):1152–7
Growth response relationship between growth hormone dose and short term growth in patients with Turner's syndrome. Ross JL, et al. **J Clin Endocrinol Metab** 1986 Oct; 63(4):1028–30
Growth hormone replacement and hypothyroidism [letter] Rosenbloom AL. **J Pediatr** 1985 Nov;107(5):829–30
Stimulation of Snell dwarf mouse neuronal growth by GH and T4. Noguchi T, et al. **Neurochem Pathol** 1984 Summer; 2(2):123–38
Neuropathologic verification of Creutzfeldt–Jakob disease in the exhumed American recipient of human pituitary growth hormone: epidemiologic and pathogenetic implications. Tintner R, et al. **Neurology** 1986 Jul;36(7):932–6
[Effects of human growth hormone on very short children with intermediate responses to somatotropic stimulation tests] Job JC, et al. **Arch Fr Pediatr** 1985 May;42(5):353–7 (Eng. Abstr.) **(Fre)**
[Results of treatment with human growth hormone in children with pituitary insufficiency under 7 years of age. Study of 26 cases] Mugnier E, et al. **Arch Fr Pediatr** 1985 Oct;42(8):671–6 (Eng. Abstr.) **(Fre)**
[Pituitary dwarfism—progress of therapy] Suwa S. **Nippon Rinsho** 1986 Mar;44(3):703–10 (25 ref.) **(Jpn)**
[Effect of exogenous somatotropin on the ultrastructure of somatotropic cells in hyperthyroid rats] Martynenko FP, et al. **Probl Endokrinol (Mosk)** 1986 Mar–Apr;32(2):77–8 (Eng. Abstr.) **(Rus)**

SOMATOTROPIN RELEASE INHIBITING HORMONE
see **SOMATOSTATIN**

SOMATOTROPIN RELEASING HORMONE

Growth-hormone-releasing hormone: a clinical update. Vance ML, et al. **Ann Intern Med** 1986 Sep;105(3):447–9
Design and biological activity of analogs of growth hormone releasing factor with potential amphiphilic helical carboxyl termini. Veliçelebi G, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(15):5397–9
[Human pancreatic growth hormone-releasing factor] Xu JL, et al. **Sheng Li Ko Hsueh Chin Chan** 1986 Jan;17(1):51–4 (45 ref.) **(Chi)**
[Growth hormone releasing factor—the chemical structure, biosynthesis and body distribution] Takahara J. **Nippon Rinsho** 1986 Mar;44(3):514–21 (23 ref.) **(Jpn)**

ADMINISTRATION & DOSAGE

Diurnal administration of human growth hormone-releasing factor does not modify sleep and sleep-related growth hormone secretion in normal young men. Garry P, et al. **Acta Endocrinol (Copenh)** 1985 Oct;110(2):158–63
Does growth hormone releasing factor desensitize the somatotroph? Interpretation of responses of growth hormone during and after 10-hour infusion of GRF 1–29 amide in man. Davis JR, et al. **Clin Endocrinol (Oxf)** 1986 Feb;24(2):135–40
Growth hormone response to low dose intravenous injections of growth hormone releasing factor in obese and normal weight women. Kopelman PG, et al. **Clin Endocrinol (Oxf)** 1986 Feb;24(2):157–64
Effects of intravenous, subcutaneous, and intranasal administration of growth hormone (GH)-releasing hormone-40 on serum GH concentrations in normal men. Evans WS, et al. **J Clin Endocrinol Metab** 1985 Nov; 61(5):846–50
The effect of pulsatile administration, continuous infusion, and diurnal variation on the growth hormone (GH) response to GH-releasing hormone in normal men. Hulse JA, et al. **J Clin Endocrinol Metab** 1986 Oct;63(4):872–8
Growth hormone-releasing hormone infusion in patients with active acromegaly. Losa M, et al. **J Clin Endocrinol Metab** 1986 Jul;63(1):88–93
Growth hormone (GH) and prolactin responses to repetitive administration of GH-releasing hormone in acromegaly. Losa M, et al. **J Clin Endocrinol Metab** 1986 Aug; 63(2):475–80
Nocturnal continuous infusion of growth hormone (GH)-releasing hormone results in a dose-dependent accentuation of episodic GH secretion in normal men. Sassolas G, et al. **J Clin Endocrinol Metab** 1986 Oct; 63(4):1016–22

ANALOGS & DERIVATIVES

Study of species specificity in growth hormone-releasing factor (GRF) interaction with vasoactive intestinal peptide (VIP) receptors using GRF and intestinal VIP receptors from rat and human: evidence that Ac-Tyr1hGRF is a competitive VIP antagonist in the rat. Laburthe M, et al. **Mol Pharmacol** 1986 Jan;29(1):23–7
Growth hormone responses to growth hormone-releasing hormone (1–29)-NH2 and a D-Ala2 analog in normal men. Barron JL, et al. **Peptides** 1985 May–Jun;6(3):575–7
Strategies in the design of synthetic agonists and antagonists of growth hormone releasing factor. Coy DH, et al. **Peptides** 1986;7 Suppl 1:49–52
Comparative structural requirements of thirty GRF analogs for interaction with GRF- and VIP receptors and coupling to adenylate cyclase in rat adenopituitary, liver and pancreas. Robberecht P, et al. **Peptides** 1986;7 Suppl 1:53–9

ANALYSIS

Growth hormone releasing factor-like immunoreactivity in human milk. Werner H, et al. **Biochem Biophys Res Commun** 1986 Mar 28;135(3):1084–9
Ontogenetic appearance of immunoreactive GRF-containing neurons in the rat hypothalamus. Daikoku S, et al. **Cell Tissue Res** 1985;242(3):511–8
Light-microscopic immunocytochemical localization of growth hormone-releasing factor in the human hypothalamus. Pelletier G, et al. **Cell Tissue Res** 1986; 245(2):461–3
Immunohistochemical evidence that growth hormone-releasing factor (GRF) neurons contain an amidated peptide derived from cleavage of the carboxyl-terminal end of the GRF precursor. Bloch B, et al. **Endocrinology** 1986 Jan;118(1):156–62
hpGRF-44-NH2, lot no. 92-81-5G-41-47, is (human) growth hormone-releasing factor containing no trace of (ovine) corticotropin-releasing factor. Ling N, et al. **Endocrinology** 1986 Mar;118(3):1249–51
Identification of a putative GH-releasing factor (GRF) batch as predominantly ovine CRF with a small quantity of human GRF. Tannenbaum GS, et al. **Endocrinology** 1986 Mar;118(3):1246–8
Regional distribution of human growth hormone-releasing hormone in the human hypothalamus by radioimmunoassay. Leidy JW Jr, et al. **J Clin Endocrinol Metab** 1986 Feb;62(2):372–8
Localization of growth hormone-releasing hormone in the human hypothalamus and pituitary stalk. Werner H, et al. **J Clin Endocrinol Metab** 1986 Jul;63(1):47–50
Decreased hypothalamic growth hormone-releasing hormone content and pituitary responsiveness in hypothyroidism. Katakami H, et al. **J Clin Invest** 1986 May; 77(5):1704–11
Measurement of growth hormone-releasing factor. Frohman LA, et al. **Methods Enzymol** 1986;124:371–89
Assay of growth hormone-releasing factor. Vale W, et al. **Methods Enzymol** 1986;124:389–401
Effect of hypophysectomy on immunocytochemically demonstrated growth hormone releasing factor (GHRF) in the rat brain. Merchenthaler I, et al. **Peptides** 1985 Sep–Oct;6(5):865–7

ANTAGONISTS & INHIBITORS

The interaction of human pancreatic growth hormone releasing factor 1–44 with somatostatin in vivo in normal man. Davies RR, et al. **Clin Endocrinol (Oxf)** 1985 Sep; 23(3):271–6
The effect of age on somatostatin suppression of basal, growth hormone (GH)-releasing factor-stimulated, and dibutyryl adenosine 3',5'-monophosphate-stimulated GH release from rat pituitary cells in monolayer culture. Cuttler L, et al. **Endocrinology** 1986 Jul;119(1):152–8
Suppression of the growth hormone (GH) response to clonidine and GH-releasing hormone by exogenous GH. Nakamoto JM, et al. **J Clin Endocrinol Metab** 1986 May; 62(5):822–6

BIOSYNTHESIS

Morphology of a GHRH producing pancreatic islet cell tumour causing acromegaly. Saeger W, et al. **Virchows Arch [A]** 1986;409(4):547–54

BLOOD

Relationship of plasma growth hormone-releasing hormone levels to pubertal changes. Argente J, et al. **J Clin Endocrinol Metab** 1986 Sep;63(3):680–2

Growth hormone-releasing factor analogue (hGRF1–29NH2): immunoreactive-GRF plasma levels after intravenous and subcutaneous administration. Rafferty B, et al. **J Endocrinol** 1985 Dec;107(3):R5–8

[Plasma assay of somatocrinin during growth hormone stimulation tests. Results in pediatrics] Evain-Brion D, et al. **Arch Fr Pediatr** 1985 Aug–Sep;42 Suppl 1:575–8 (Eng. Abstr.) (Fre)

[Methods of analysis of growth hormone releasing factor] Saito S, et al. **Nippon Rinsho** 1986 Mar;44(3):539–45 (25 ref.) (Jpn)

DEFICIENCY

Normal circulating immunoreactive growth hormone releasing factor (hGRF) concentrations in patients with functional hypothalamic hGRF deficiency. Sopwith AM, et al. **Clin Endocrinol (Oxf)** 1986 Apr;24(4):395–400

DIAGNOSTIC USE

Growth hormone releasing factor-test in acromegaly: comparison with other dynamic tests. Losa M, et al. **Clin Endocrinol (Oxf)** 1985 Aug;23(2):99–109

Growth hormone releasing hormone (GH–RH, GRF)—an important new clinical tool. Laron Z, et al. **Eur J Pediatr** 1986 Apr;145(1–2):6–9

Growth hormone (GH) response to GH-releasing hormone in children with subnormal integrated concentrations of GH. Chalew SA, et al. **J Clin Endocrinol Metab** 1986 Jun; 62(6):1110–5

Growth hormone (GH) responses to GH-releasing hormone during pubertal development in normal boys and girls: comparison to idiopathic short stature and GH deficiency. Gelato MC, et al. **J Clin Endocrinol Metab** 1986 Jul; 63(1):174–9

Combined pituitary function-test with four hypothalamic releasing hormones. Schopohl J, et al. **Klin Wochenschr** 1986 Apr 1;64(7):314–8

GHRF test in acromegalic patients for the evaluation of therapeutic results. Hanew K, et al. **Tohoku J Exp Med** 1985 Nov;147(3):273–80

[GRF and human somatotropic adenoma. In vivo and in vitro correlations between GH release and morphological and immunocytochemical aspects] Loras B, et al. **Ann Endocrinol (Paris)** 1985;46(6):373–82 (Eng. Abstr.) (Fre)

[Growth hormone releasing factor tolerance test] Takano K. **Nippon Rinsho** 1986 Mar;44(3):532–8 (16 ref.) (Jpn)

[Recent progress in diagnostic methods on hypothalamo-pituitary function] Demura H. **Rinsho Byori** 1985 May;33(5):465–74 (Jpn)

GENETICS

Total DNA synthesis and cloning in Escherichia coli of a gene coding for the human growth hormone releasing factor. Cravador A, et al. **Biochimie** 1985 Jul–Aug; 67(7–8):829–34

IMMUNOLOGY

Production of antisera to growth hormone-releasing factor: usefulness in radioimmunoassay and passive immunization. Minami S, et al. **Endocrinol Jpn** 1985 Dec;32(6):907–16

The distribution of growth-hormone-releasing factor (GRF) immunoreactivity in the central nervous system of the rat: an immunohistochemical study using antisera directed against rat hypothalamic GRF. Sawchenko PE, et al. **J Comp Neurol** 1985 Jul 1;237(1):100–15

Coexpression of human growth hormone-releasing factor 1–37-like and alpha-melanotropin-like immunoreactivities in neurones of the rat lateral dorsal hypothalamus. Fellmann D, et al. **Neurosci Lett** 1986 Jul 11;68(1):122–6

Immunohistochemical demonstration of a new neurone system in rat brain using antibodies against human growth hormone-releasing factor (1–37). Fellmann D, et al. **Neurosci Lett** 1985 Jul 4;58(1):91–6

METABOLISM

Light and electron microscopic immunocytochemistry of GRF-like immunoreactive neurons and terminals in the rat hypothalamic arcuate nucleus and median eminence. Ibata Y, et al. **Brain Res** 1986 Apr 2;370(1):136–43

The hypothalamo-infundibular growth hormone-releasing hormone (GH–RH) system of the rat. Merchenthaler I, et al. **Brain Res** 1986 Jul 23;378(2):297–302

The interaction of growth hormone releasing hormone with other hypothalamic hormones on the release of anterior pituitary hormones. Looij BJ Jr, et al. **Clin Endocrinol (Oxf)** 1986 Feb;24(2):149–56

Interaction between growth hormone releasing factor (GRF) and somatostatin analogue (SMS 201–995) in normal subjects. Losa M, et al. **Clin Endocrinol (Oxf)** 1985 Dec; 23(6):715–20

Covalent cross-linking of growth hormone-releasing factor to pituitary receptors. Veliçelebi G, et al. **Endocrinology** 1986 Apr;118(4):1278–83

Coexistence of tyrosine hydroxylase and growth hormone-releasing factor in a subpopulation of tubero-infundibular neurons of the rat. Meister B, et al. **Neuroendocrinology** 1986;42(3):237–47

Coexistence of growth hormone releasing factor-like and tyrosine hydroxylase-like immunoreactivities in neurons of the rat arcuate nucleus. Okamura H, et al. **Neuroendocrinology** 1985 Aug;41(2):177–9

Immunohistochemical localization of GRF-containing neurons in rat brain. VandePol CJ, et al. **Neuroendocrinology** 1986;42(2):143–7

[Hypothalamic factors: current findings] Sizonenko PC. **Schweiz Med Wochenschr** 1986 Mar 1;116(9):271–4 (Eng. Abstr.) (Fre)

PHARMACODYNAMICS

Growth hormone-releasing factor does not stimulate phosphoinositides breakdown in primary cultures of rat and human pituitary cells. Escobar DC, et al. **Acta Endocrinol (Copenh)** 1986 Jul;112(3):345–50

Theophylline blunts the GH-response to growth hormone releasing hormone in normal subjects. Losa M, et al. **Acta Endocrinol (Copenh)** 1986 Aug;112(4):473–80

Responsiveness of pituitary hGH to GRH1–44 in juveniles with obesity. Pertzelan A, et al. **Acta Endocrinol (Copenh)** 1986 Feb;111(2):151–3

Adenohypophyseal response to hypophysiotropic hormones in male obese Zucker rats. Heiman ML, et al. **Am J Physiol** 1985 Oct;249(4 Pt 1):E380–4

TRH and GRF stimulate release of growth hormone through different mechanisms. Szabo M. **Am J Physiol** 1986 May; 250(5 Pt 1):E512–7

Growth hormone-releasing hormone and clonidine stimulate biosynthesis of growth hormone in neonatal pituitaries. Cozzi MG, et al. **Biochem Biophys Res Commun** 1986 Aug 14;138(3):1223–30

Growth hormone-releasing factor modifies dopaminergic but not serotonergic activity in the arcuate nucleus of hypothalamus in the rat, as recorded in vivo by differential pulse voltammetry. Crespi F, et al. **Brain Res** 1985 Dec 2;348(2):367–70

Effects of GRF on paraventricular neurons in slices of guinea-pig hypothalamus. Poulain P, et al. **Brain Res** 1986 Apr 23;371(2):355–9

Effects of neonatal administration of monosodium glutamate on plasma growth hormone (GH) response to GH-releasing factor in adult male and female rats. Wakabayashi I, et al. **Brain Res** 1986 May 7;372(2):361–5

The response of obese subjects to continuous infusion of human pancreatic growth hormone-releasing factor 1–44. Davies RR, et al. **Clin Endocrinol (Oxf)** 1985 Nov; 23(5):521–5

Influence of dopaminergic, adrenergic and cholinergic blockade and TRH administration on GH responses to GRF 1–29. Jordan V, et al. **Clin Endocrinol (Oxf)** 1986 Mar;24(3):291–8

Lack of effect of muscarinic cholinergic blockade on the GH responses to GRF 1–29 and TRH in acromegalic subjects. Jordan V, et al. **Clin Endocrinol (Oxf)** 1986 Apr; 24(4):415–20

Human pancreatic growth hormone releasing hormone fails to stimulate human growth hormone both in Cushing's disease and in Cushing's syndrome due to adrenocortical adenoma. Smals AE, et al. **Clin Endocrinol (Oxf)** 1986 Apr; 24(4):401–7

A divergence of plasma growth hormone response between growth hormone-releasing factor and insulin-induced hypoglycaemia among middle-aged healthy male subjects. Wakabayashi I, et al. **Clin Endocrinol (Oxf)** 1986 Mar; 24(3):279–83

Synthetic pancreatic growth hormone-releasing factor (GRF-40) stimulates the secretion of the endocrine pancreas. Hermansen K, et al. **Diabetes** 1986 Jan; 35(1):119–23

Release of stored, pre-labeled growth hormone and prolactin from perifused rat pituitary: effect of human pancreatic growth hormone-releasing factor-44. Stachura ME, et al. **Endocr Res** 1986;12(2):171–91

Growth hormone, thyrotropin and prolactin responses to simultaneous administration of human growth hormone-releasing factor and thyrotropin releasing hormone in the bovine. Hodate K, et al. **Endocrinol Jpn** 1985 Jun;32(3):375–83

The inter- and intra-subject variabilities of plasma GH response to human growth hormone-releasing hormone (1–44) NH2 in men. Hotta M, et al. **Endocrinol Jpn** 1985 Oct;32(5):673–80

Effects of age on GH responses to growth hormone-releasing factor in rats. Niimi M, et al. **Endocrinol Jpn** 1985 Aug; 32(4):559–62

Plasma growth hormone and somatomedin-C responses to continuous growth hormone-releasing factor infusion in normal adult men. Takano K, et al. **Endocrinol Jpn** 1985 Apr;32(2):287–93

Desensitization to growth hormone-releasing factor (GRF) is associated with down-regulation of GRF-binding sites. Bilezikjian LM, et al. **Endocrinology** 1986 May; 118(5):2045–52

Diminished pituitary responsiveness to growth hormone-releasing factor in aging male rats. Ceda GP, et al. **Endocrinology** 1986 May;118(5):2109–14

In vivo studies with growth hormone (GH)-releasing factor and clonidine in rat pups: ontogenetic development of their effect on GH release and synthesis. Cella SG, et al. **Endocrinology** 1986 Sep;119(3):1164–70

The effect of glucose and free fatty acids on growth hormone (GH)-releasing factor-mediated GH secretion in rats. Imaki T, et al. **Endocrinology** 1986 Jun;118(6):2390–4

Growth hormone (GH)-releasing factor stimulates hypothalamic somatostatin release: an inhibitory feedback effect on GH secretion. Katakami H, et al. **Endocrinology** 1986 May;118(5):1872–7

Electrical stimulation of several limbic areas suppressed the growth hormone (GH) release induced by human pancreatic GH-releasing factor in pentobarbital-anesthetized rats. Kato M, et al. **Endocrinology** 1986 Mar;118(3):955–60

Purified chicken growth hormone (GH) and a human pancreatic GH-releasing hormone increase body weight gain in chickens. Leung FC, et al. **Endocrinology** 1986 May; 118(5):1961–5

Association of 45Ca2+ mobilization with stimulation of growth hormone (GH) release by GH-releasing factor in dispersed normal male rat pituitary cells. Login IS, et al. **Endocrinology** 1986 Jan;118(1):239–43

Structural requirements for the activation of rat anterior pituitary adenylate cyclase by growth hormone-releasing factor (GRF): discovery of (N-Ac-Tyr1, D-Arg2)-GRF(1–29)-NH2 as a GRF antagonist on membranes. Robberecht P, et al. **Endocrinology** 1985 Nov; 117(5):1759–64

Release of growth hormone (GH) from purified somatotrophs: interaction of GH-releasing factor and somatostatin and role of adenosine 3',5'-monophosphate. Sheppard MS, et al. **Endocrinology** 1985 Dec; 117(6):2364–70

Effect of growth hormone-releasing factor-44 upon release of concurrently synthesized hormone by perifused rat pituitary tissue. Stachura ME, et al. **Endocrinology** 1986 Sep;119(3):1245–53

Differential responsiveness of the somatotroph to growth hormone-releasing factor during early neonatal development in the rat. Szabo M, et al. **Endocrinology** 1986 Jan;118(1):69–73

Synthetic human growth hormone releasing factor (h-GRF-1-44-NH2) dose response effect on growth hormone and prolactin secretion in healthy adult men. Boissel JP, et al. **Eur J Clin Pharmacol** 1986;29(5):609–14

Growth hormone response to hpGRF-40 in different forms of growth retardation and endocrine-metabolic diseases. Pintor C, et al. **Eur J Pediatr** 1986 Feb;144(5):475–81

Growth-hormone releasing factor does not antagonize somatostatin effects on pancreatic and gastric secretions. Chovet M, et al. **Experientia** 1985 Nov 15;41(11):1451–3

Growth hormone-releasing factor (somatocrinin) stimulates epithelial cell proliferation in the rat digestive tract. Lehy T, et al. **Gastroenterology** 1986 Mar;90(3):646–53

Synthetic human growth hormone releasing factor 1–44 (GRF) stimulates glucose transport in isolated rat adipocytes. Hauner H, et al. **Horm Metab Res** 1985 Nov; 17(11):620–1

Human pancreatic growth hormone releasing factor stimulates growth hormone secretion in perinatal dwarf and control chickens. Huybrechts LM, et al. **Horm Metab Res** 1985 Dec;17(12):690–1

Variability of GH response to GRF shows no relationship with peripheral somatostatin and somatomedin C levels. Plewe G, et al. **Horm Metab Res** 1985 Sep;17(9):481

Atropine blockade of growth hormone (GH)-releasing hormone-induced GH secretion in man is not exerted at pituitary level. Casanueva FF, et al. **J Clin Endocrinol Metab** 1986 Jan;62(1):186–91

Bromocriptine does not alter growth hormone (GH) responsiveness to GH-releasing hormone in acromegaly. Cozzi R, et al. **J Clin Endocrinol Metab** 1986 Mar; 62(3):601–4

Responses of growth hormone (GH) and somatomedin-C to GH-releasing hormone in healthy aging men. Pavlov EP, et al. **J Clin Endocrinol Metab** 1986 Mar;62(3):595–600

Impaired growth hormone (GH) response to GH-releasing hormone in thalassemia major. Pintor C, et al. **J Clin Endocrinol Metab** 1986 Feb;62(2):263–7

Sex difference in human growth hormone (GH) response to intravenous human pancreatic GH-releasing hormone administration in young adults. Smals AE, et al. **J Clin Endocrinol Metab** 1986 Feb;62(2):336–41

Dual effects of growth hormone (GH)-releasing hormone infusion in normal men: somatotroph desensitization and increase in releasable GH. Vance ML, et al. **J Clin Endocrinol Metab** 1986 Mar;62(3):591–4

Exogenous growth hormone inhibits growth hormone-releasing factor-induced growth hormone secretion in normal men. Rosenthal SM, et al. **J Clin Invest** 1986 Jan;77(1):176–80

Growth hormone-releasing factor stimulates milk production and sustains growth hormone release in Holstein cows. Enright WJ, et al. **J Dairy Sci** 1986 Feb;69(2):344–51

Growth hormone responses to multiple injections of a fragment of human growth hormone-releasing factor in conscious male and female rats. Clark RG, et al.

J Endocrinol 1985 Sep;106(3):281–9

Cyclic adenosine nucleotides and growth hormone–releasing factor increase cytosolic growth hormone messenger RNA levels in cultured rat pituitary cells. Clayton RN, et al. J Endocrinol 1986 Jul;110(1):51–7

Growth hormone responses to growth hormone–releasing factor (1–29) in euthyroid, hypothyroid and hyperthyroid rats. Dieguez C, et al. J Endocrinol 1986 Apr;109(1):53–6

Synergistic interaction in bovine pituitary cultures between growth hormone–releasing factor and other hypophysiotrophic factors. Ingram CD, et al. J Endocrinol 1986 Apr;109(1):67–74

Stimulation of in-vivo growth hormone secretion in young chickens by rat hypothalamic growth hormone–releasing factor and synthetic analogues. Scanes CG, et al. J Endocrinol 1986 Mar;108(3):413–6

Human pancreatic growth hormone–releasing factor (hpGRF–44) in acromegaly before and after adenomectomy. Modifications induced by somatostatin (GHRIH) infusion. Arosio M, et al. J Endocrinol Invest 1985 Oct;8(5):449–53

Growth hormone–releasing factor reduces voltage–gated Ca2+ channel current in rat GH3 cells. Yamashita N, et al. J Membr Biol 1985;87(3):241–7

Growth hormone releasing factor (GRF) increases free arachidonate levels in the pituitary: a role for lipoxygenase products. Canonico PL, et al. Life Sci 1986 Jan 20; 38(3):267–72

Stimulation and inhibition of food intake in sheep by centrally–administered hypothalamic releasing factors. Ruckebusch Y, et al. Life Sci 1986 Mar 10;38(10):929–34

Characteristics of the desensitization of growth hormone and cyclic AMP responses to growth hormone–releasing factor and prostaglandin E2 in rat anterior pituitary cells in culture. Simard J, et al. Mol Cell Endocrinol 1986 Jun; 46(1):79–89

Study of species specificity in growth hormone–releasing factor (GRF) interaction with vasoactive intestinal peptide (VIP) receptors using GRF and intestinal VIP receptors from rat and human: evidence that Ac–Tyr1hGRF is a competitive VIP antagonist in the rat. Laburthe M, et al. Mol Pharmacol 1986 Jan;29(1):23–7

Relative potencies of human, rat, bovine/caprine, porcine and ovine hypothalamic growth hormone–releasing factors to release growth hormone by the rat anterior pituitary in vitro. Baird A, et al. Neuroendocrinology 1986; 42(4):273–6

Effects of corticotropin–releasing factor and growth hormone–releasing factor on sleep and activity in rats. Ehlers CL, et al. Neuroendocrinology 1986;42(6):467–74

Plasma growth hormone response to human growth hormone releasing factor in rats administered with chlorpromazine and antiserum against somatostatin. Effects of hypo– and hyperthyroidism. Wakabayashi I, et al. Neuroendocrinology 1985 Oct;41(4):306–11

Down–regulation of growth hormone releasing factor receptors following continuous infusion of growth hormone releasing factor in vivo. Wehrenberg WB, et al. Neuroendocrinology 1986;43(2):266–8

Continuous infusion of growth hormone–releasing factor: effects on pulsatile growth hormone secretion in normal rats. Wehrenberg WB. Neuroendocrinology 1986; 43(3):391–6

Growth hormone releasing hormone stimulates the release of gastrin in rat. Accary JP, et al. Peptides 1986;7 Suppl 1:241–3

Growth hormone responses to growth hormone–releasing hormone (1–29)–NH2 and a D–Ala2 analog in normal men. Barron JL, et al. Peptides 1985 May–Jun;6(3):575–7

Central effects of growth hormone–releasing factor (GRF) on intestinal motility in dogs: involvement of dopaminergic receptors. Bueno L, et al. Peptides 1985 May–Jun; 6(3):403–7

Effect of rGRF on exocrine pancreatic secretion of the rat in vivo. Goffette D, et al. Peptides 1986;7 Suppl 1:245–8

Actions of VIP, hGRF, PHI and secretin: comparative studies in cerebral cortex and adenohypophysis. Magistretti PJ, et al. Peptides 1986;7 Suppl 1:175–80

Somatocrinin stimulates adenylate cyclase–Ns regulatory subunit in a GH3 cell–line: comparison with VIP. Reyl–Desmars F, et al. Peptides 1986;7 Suppl 1:165–7

Effect of vasoactive intestinal peptide, peptide histidine isoleucine and growth hormone–releasing factor–40 on bombesin–like immunoreactivity, somatostatin and gastrin release from the perfused rat stomach. Schusdziarra V, et al. Peptides 1986 Jan–Feb;7(1):127–33

Sensitivity of rat forebrain neurons to growth hormone–releasing hormone. Twery MJ, et al. Peptides 1985 Jul–Aug;6(4):609–13

Growth hormone–releasing factor stimulates proliferation of somatotrophs in vitro. Billestrup N, et al. Proc Natl Acad Sci USA 1986 Sep;83(18):6854–7

The molecular weight forms of rat growth hormone secreted in response to growth hormone–releasing factor. Wehrenberg WB, et al. Proc Soc Exp Biol Med 1986 May; 182(1):107–11

Vasoactive intestinal peptide effects on GH3 pituitary tumor cells: high affinity binding, affinity labeling, and adenylate cyclase stimulation. Comparison with peptide histidine isoleucine and growth hormone–releasing factor. Wood CL, et al. Regul Pept 1985 Nov 7;12(3):237–48

Effects of growth hormone–releasing factor in the brain. Wehrenberg WB, et al. Science 1986 Jun 6; 232(4755):1271–3

[Intervention of the calcium–calmodulin system in the release of growth hormone induced by somatocrinin] Mougin C, et al. Ann Endocrinol (Paris) 1985;46(1):61–3 (Eng. Abstr.) (Fre)

[GRF (growth hormone–releasing–factor) in the study of somatotropin secretion] Giusti M, et al. Minerva Endocrinol 1985 Jul–Sep;10(3):149–63 (Eng. Abstr.) (Ita)

[Growth hormone (GH) response to GH–releasing factor in adult female rats treated with monosodium glutamate during the neonatal period] Hatano H. Nippon Ika Daigaku Zasshi 1986 Apr;53(2):191–7 (Eng. Abstr.) (Jpn)

[Effect of hypo– and hyperthyroidism, and hypothalamic ventromedial lesions on the plasma growth hormone response to human growth hormone–releasing factor in rats] Tonegawa Y. Nippon Ika Daigaku Zasshi 1985 Dec; 52(6):624–32 (Eng. Abstr.) (Jpn)

[The effect of synthetic human pancreatic growth hormone–releasing factor (hpGRF–44) on serum growth hormone response in normal and obese subjects] Shimizu T, et al. Nippon Naibunpi Gakkai Zasshi 1986 Feb 20; 62(2):82–96 (Eng. Abstr.) (Jpn)

PHYSIOLOGY

Growth hormone releasing hormone. Gelato MC, et al. Annu Rev Physiol 1986;48:569–91 (138 ref.)

Effect of hypothalamic ventromedial lesions on plasma growth hormone response to growth hormone–releasing factor in rats. Wakabayashi I, et al. Brain Res 1985 Oct 28;346(1):70–4

Growth hormone–releasing hormone. Frohman LA, et al. Endocr Rev 1986 Aug;7(3):223–53 (309 ref.)

On the mechanism of growth hormone autofeedback regulation: possible role of somatostatin and growth hormone–releasing factor. Conway S, et al. Endocrinology 1985 Dec;117(6):2284–92

Involvement of growth hormone (GH)–releasing factor in GH secretion induced by serotoninergic mechanisms in conscious rats. Murakami Y, et al. Endocrinology 1986 Sep; 119(3):1089–92

The role of growth hormone–releasing factor and somatostatin on somatic growth in rats. Wehrenberg WB. Endocrinology 1986 Feb;118(2):489–94

Effect of cholinergic muscarinic receptor blockade on human growth hormone (GH)–releasing hormone–(1–44)–induced GH secretion in acromegaly and type I diabetes mellitus. Pietschmann P, et al. J Clin Endocrinol Metab 1986 Aug; 63(2):389–93

[Biological activity and function of growth hormone releasing factor] Chihara K, et al. Nippon Rinsho 1986 Mar; 44(3):522–31 (42 ref.) (Jpn)

[Secretory control of pituitary hormones—growth hormone and prolactin] Takeda S, et al. Nippon Rinsho 1986 Mar; 44(3):587–92 (28 ref.) (Jpn)

SECRETION

Growth hormone releasing factor and somatomedin C production: extrahypothalamic localization and possible functional significance. Thorner MO, et al. Acta Endocrinol [Suppl] (Copenh) 1986;276:34–40

Immunocytochemical demonstration of growth hormone–releasing factor in gastrointestinal and pancreatic endocrine tumors. Dayal Y, et al. Am J Clin Pathol 1986 Jan;85(1):13–20

Neuroleptic drug–induced alterations on neonatal growth and development. I. Prenatal exposure influences birth size, mortality rate, and the neuroendocrine system. Ching M, et al. Biol Neonate 1986;49(5):261–9

Production and secretion of immunoreactive growth hormone–releasing factor by pheochromocytomas. Sano T, et al. Cancer 1986 May 1;57(9):1788–93

Stimulation by alpha–adrenergic mechanisms of the secretion of growth hormone–releasing factor (GRF) from perifused rat hypothalamus. Kabayama Y, et al. Endocrinology 1986 Jul;119(1):432–4

L–dopa stimulates release of hypothalamic growth hormone–releasing hormone in humans. Chihara K, et al. J Clin Endocrinol Metab 1986 Mar;62(3):466–73

Patterns of growth hormone–releasing factor and somatostatin secretion into the hypophysial–portal circulation of the rat. Plotsky PM, et al. Science 1985 Oct 25;230(4724):461–3

[Endocrine pancreatic tumor secreting somatostatin and somatocrinin] Chadenas D, et al. Presse Med 1985 Dec 7;14(42):2129–34 (Eng. Abstr.) (Fre)

[Acromegaly due to a pancreatic tumor producing growth hormone releasing hormone: clinical picture and morphology] Donhuijsen K, et al. Schweiz Med Wochenschr 1986 May 3;116(18):615–21 (Eng. Abstr.) (Ger)

[New aspects of the pathogenesis of acromegaly–somatoliberinomas] Gottschalk J, et al. Zentralbl Allg Pathol 1986;131(3):229–42 (Eng. Abstr.) (Ger)

[Endocrine pancreas tumor producing the growth hormone–releasing factor with growth hormone hypersecretion: a case report] Yogi Y, et al. Nippon Shokakibyo Gakkai Zasshi 1986 Feb;83(2):234–9 (Jpn)

THERAPEUTIC USE

Effects of hGRF treatment of a patient with hGRF deficiency. Takano K, et al. Endocrinol Jpn 1985 Aug; 32(4):511–6

Clinical studies with human growth hormone releasing factor in normal adults and patients. Sassolas G, et al. Peptides 1986;7 Suppl 1:281–6

Stepwise evaluation of the short child. With comments on the status of growth hormone therapy. Stelling MW. Postgrad Med 1986 May 1;79(6):185–7, 190–2

[Current therapeutic possibilities with growth hormone releasing hormone and somatostatin] Lamberts SW. Ned Tijdschr Geneeskd 1986 May 17;130(20):904–8 (Dut)

SOMATOTYPES

Stability of anthroposcopic and anthropometric estimates of physique in Belgian boys followed longitudinally from 13 to 18 years of age. Claessens A, et al. Ann Hum Biol 1986 May–Jun;13(3):235–44

Body build and the desire for slenderness in young people. Carroll D, et al. Aust Paediatr J 1986 May;22(2):121–5

The relationship of maximal alactacid anaerobic power to somatotype in trained subjects. Ergen E, et al. Br J Sports Med 1985 Dec;19(4):221–3

Somatotypes of Nigerian athletes of several sports. Mathur DN, et al. Br J Sports Med 1985 Dec;19(4):219–20

Somatometric characteristic of hypermobile patients with coxarthrosis. Hajzok O, et al. Clin Rheumatol 1985 Dec; 4(4):405–9

Growth and proportionality in early childhood. II. Some population differences. Ounsted MK, et al. Early Hum Dev 1986 Jul;14(1):49–60

Ilio–acromial index and distribution of the subcutaneous adipose tissue in female students of Medical Academy in Kraków. Miaśkiewicz C, et al. Folia Morphol (Warsz) 1985; 44(1):65–70

Somatotypes of South Australian male athletes. Withers RT, et al. Hum Biol 1986 Jun;58(3):337–56

Somatotype characteristics of male sprinters, basketball, soccer, and field hockey players. Toriola AL, et al. Int J Sports Med 1985 Dec;6(6):344–6

Jung's forgotten bridge. Arraj J. J Anal Psychol 1986 Apr; 31(2):173–80

Perceived somatotype and stereotypes of physique among Nigerian schoolchildren. Salokun SO, et al. J Psychol 1985 Nov;119(6):587–94

A review of the physique and performance qualities characteristic of games players in specific positions on the field of play. Bale P. J Sports Med Phys Fitness 1986 Jun; 26(2):109–22

Relationships among physique, strength, and performance in women students. Bale P, et al. J Sports Med Phys Fitness 1985 Sep;25(3):98–103

Strength comparisons in untrained men and trained women body builders. Bond V Jr, et al. J Sports Med Phys Fitness 1985 Sep;25(3):131–4

Perceived somatotype, body–cathexis, and attitudes toward clothing among college females. Davis LL. Percept Mot Skills 1985 Dec;61(3 Pt 2):1199–205

Physique and family variables in university girls in Britain. Roberts DF, et al. Soc Biol 1985 Spring–Summer; 32(1–2):45–52

[On the theory that fat persons are subject to a deficiency of yang and phlegm while thin persons to deficiency of yin and vigorous fire—a study of the relation between body type and health status in 1257 cases] He YM. Chung Hsi I Chieh Ho Tsa Chih 1985 Nov;5(11):674–7, 644 (Eng. Abstr.) (Chi)

[Somatotyping of children and adolescents] Dorokhov RN. Arkh Anat Gistol Embriol 1986 Mar;90(3):66–71 (Eng. Abstr.) (Rus)

[Morphotype characteristics and their structural analysis in girls born at term and prematurely] Ananian LV. Pediatriia 1985 Aug;(8):50–2 (Eng. Abstr.) (Rus)

[Kidney function in adolescents of different somatotypes and in relation to their type feeding] Ivanov VA, et al. Pediatriia 1985 Dec;(12):43–6 (Eng. Abstr.) (Rus)

[Characteristics of the anamnesis, and the somatic and neuropsychic status of infants in the 1st year of life with thymomegaly] Kuz'menko LG, et al. Pediatriia 1985 Aug; (8):26–9 (Eng. Abstr.) (Rus)

[The climacteric in active women athletes within the framework of anthropometry and somatotype] Kovalčíková J. Cesk Gynekol 1986 Mar;51(2):81–5 (Eng. Abstr.) (Slo)

SOMNAMBULISM

COMPLICATIONS

Life–threatening injuries resulting from sleepwalking and night terrors. Rauch PK, et al. Psychosomatics 1986 Jan; 27(1):62–4

ETIOLOGY

[Migraine and somnambulism. A survey of 122 migraine patients] Giroud M, et al. Rev Neurol (Paris) 1986; 142(1):42–6 (Eng. Abstr.) (Fre)

PHYSIOPATHOLOGY

Are microarousals preceded by electroencephalographic slow wave synchronization precursors of confusional awakenings? Halász P, et al. **Sleep** 1985;8(3):231–8

PSYCHOLOGY

On serious violence during sleep-walking [letter] **Br J Psychiatry** 1986 Apr;148:476–7
On serious violence during sleep-walking. Oswald I, et al. **Br J Psychiatry** 1985 Dec;147:688–91

SONICATION see under ULTRASONICS

SONOGRAPHY, SPEECH see SOUND SPECTROGRAPHY

SORBIC ACID see under FATTY ACIDS, UNSATURATED

SORBITAN DERIVATIVES see POLYSORBATES

SORBITOL

Sorbitol induced diarrheal illness model. Reele SB, et al. **Int J Clin Pharmacol Ther Toxicol** 1985 Aug;23(8):403–5
Biochemical, microbiologic, and clinical comparisons between two dentifrices that contain different mixtures of sugar alcohols. Makinen KK, et al. **J Am Dent Assoc** 1985 Nov;111(5):745–51
[Studies on the physical properties of iron sorbitol] Wei SL, et al. **Yao Hsueh Hsueh Pao** 1984 Oct;19(10):785–9 (Eng. Abstr.) (Chi)

ADMINISTRATION & DOSAGE

In vivo measurements of sulcal plaque pH after topical applications of sorbitol and sucrose in rats fed sorbitol or sucrose. Firestone AR, et al. **J Dent Res** 1986 Jul; 65(7):1020–3
Isotonic solutions of mannitol, sorbitol and glycine and distilled water as irrigating fluids during transurethral resection of the prostate and calculation of irrigating fluid influx. Norlén H. **Scand J Urol Nephrol [Suppl]** 1985; 96:1–50, 81p
[Metabolic effects of postoperative intravenous administration of carbohydrate calories exclusively in the form of sorbitol] Chantegreil D, et al. **Agressologie** 1986 Jan;27(1):57–61 (Eng. Abstr.) (Fre)
[Experimental study of the effect of intravenous administration of sorbitol on bile excretion] Stepanenko VV. **Farmakol Toksikol** 1985 Sep-Oct;48(5):79–80 (Eng. Abstr.) (Rus)

ANALOGS & DERIVATIVES

Comparison of buccal nitroglycerin and oral isosorbide dinitrate for nitrate tolerance in stable angina pectoris. Parker JO, et al. **Am J Cardiol** 1985 Nov 1;56(12):724–8
Utility and limitations of electron ionization and chemical ionization for the determination of position and extent of labeling for 18O- and 13C-containing permethylated alditols by gas chromatography/mass spectrometry. Kassel DB, et al. **Anal Chem** 1986 Jul;58(8):1670–5
Human american cutaneous leishmaniasis (Leishmania b. braziliensis) in Brazil: lymphoproliferative responses and influence of therapy. Mendonça SC, et al. **Clin Exp Immunol** 1986 May;64(2):269–76
Cloning of a streptomycin-production gene directing synthesis of N-methyl-L-glucosamine. Kumada Y, et al. **Gene** 1986;42(2):221–4
[Histamine liberation through renal roentgen contrast media: comparison of iopamidol and meglumine ioglicinate] Gmeinwieser J, et al. **Rontgenpraxis** 1985 Nov;38(11):396–9 (Ger)
[Complications following myelography with positive contrast media (Pantopaque, Amipaque). Pathomorphologic findings in 2 fatal cases] Baessler B, et al. **Zentralbl Neurochir** 1985;46(2):141–50 (Eng. Abstr.) (Ger)

ANALYSIS

Is red cell sorbitol content a good marker of glycemic control in diabetic patients? Lapolla A, et al. **Diabetes Res** 1985 Nov;2(6):283–6
Altered retinal metabolism in diabetes. I. Microanalysis of lipid, glucose, sorbitol, and myo-inositol in the choroid and in the individual layers of the rabbit retina. MacGregor LC, et al. **J Biol Chem** 1986 Mar 25;261(9):4046–51
High-performance liquid chromatographic analysis of glucose, fructose, sorbitol and low levels of the aldose reductase inhibitor sorbinil in human lens and plasma. Lloyd P, et al. **J Chromatogr** 1985 Oct 11;343(2):402–6
Diabetes-induced increases in vascular permeability and changes in granulation tissue levels of sorbitol, myo-inositol, chiro-inositol, and scyllo-inositol are prevented by sorbinil. Williamson JR, et al. **Metabolism** 1986 Apr;35(4 Suppl 1):41–5

BIOSYNTHESIS

Glucose-fructose oxidoreductase, a new enzyme isolated from Zymomonas mobilis that is responsible for sorbitol production. Zachariou M, et al. **J Bacteriol** 1986 Sep; 167(3):863–9

BLOOD

Effect of tolrestat on red blood cell sorbitol levels in patients with diabetes. Raskin P, et al. **Clin Pharmacol Ther** 1985 Dec;38(6):625–30
Effects of hyperglycaemia and sorbitol accumulation on erythrocyte deformability in diabetes mellitus. Bareford D, et al. **J Clin Pathol** 1986 Jul;39(7):722–7
The effect of sorbinil treatment on red cell sorbitol levels and clinical and electrophysiological parameters of diabetic neuropathy. Lehtinen JM, et al. **J Neurol** 1986 Jun; 233(3):174–7
Effects of oral administration of maltitol on plasma glucose, plasma sorbitol, and serum insulin levels in man. Secchi A, et al. **Klin Wochenschr** 1986 Mar 17;64(6):265–9
Sorbitol concentrations in plasma in connection with transurethral resection of the prostate using sorbitol solution as an irrigating fluid. Norlén H, et al. **Scand J Urol Nephrol** 1986;20(1):9–17

METABOLISM

An evaluation of biochemical aspects of intravenous fructose, sorbitol and xylitol administration in man. Sestoft L. **Acta Anaesthesiol Scand [Suppl]** 1985;82:19–29 (106 ref.)
Intestinal absorption of sorbitol and effects of its acute administration on glucose homeostasis in normal rats. Lauwers AM, et al. **Br J Nutr** 1985 Jul;54(1):53–62
Effect of aerobic and anaerobic atmosphere on acid production from sorbitol in suspensions of dental plaque and oral streptococci. Kalfas S, et al. **Caries Res** 1986; 20(3):237–43
The effect of oxidation on sorbitol pathway kinetics. Barnett PA, et al. **Diabetes** 1986 Apr;35(4):426–32
Sex steroid dependency of diabetes-induced changes in polyol metabolism, vascular permeability, and collagen cross-linking. Williamson JR, et al. **Diabetes** 1986 Jan; 35(1):20–7
Accumulation of sorbitol in endothelial cells--a possible cause of diabetic microangiopathy. Koh MS, et al. **Diabetes Res** 1986 May;3(4):217–9
The effects of glucose and an aldose reductase inhibitor on the sorbitol content and collagen synthesis of bovine retinal capillary pericytes in culture. Li W, et al. **Exp Eye Res** 1985 Mar;40(3):439–44
H7 antiserum-sorbitol fermentation medium: a single tube screening medium for detecting Escherichia coli O157:H7 associated with hemorrhagic colitis. Farmer JJ 3d, et al. **J Clin Microbiol** 1985 Oct;22(4):620–5
Agar media that indicate acid production from sorbitol by oral microorganisms. Kalfas S, et al. **J Clin Microbiol** 1985 Dec;22(6):959–61
Anaerobic and aerobic metabolism of sorbitol in Streptococcus sanguis and Streptococcus mitior. Svensäter G, et al. **J Dent Res** 1985 Nov;64(11):1286–9
Identification of isolate-specific proteins on sorbitol-enriched Plasmodium falciparum infected erythrocytes from Gambian patients. Aley SB, et al. **Parasitology** 1986 Jun; 92 (Pt 3):511–25
Sorbitol clearance: a parameter reflecting liver plasma flow in the rat. Molino G, et al. **Res Commun Chem Pathol Pharmacol** 1986 Apr; 52(1):119–32

PHARMACODYNAMICS

Sorbitol increases the growth inhibition of xylitol on Strep. mutans OMZ 176. Assev S, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1986 Aug; 94(4):231–7
A comparison of the effect of sorbitol and glucose on calcium absorption in postmenopausal women. Francis RM, et al. **Am J Clin Nutr** 1986 Jan;43(1):72–6
Some structural, biochemical and biophysical characteristics of L-929 cells growing in the presence of hyperosmotic sorbitol concentrations. Clegg JS, et al. **Exp Cell Res** 1986 Mar;163(1):35–46
The effect of ethanol or sorbitol on glucose production from pyruvate in isolated hepatocytes from 48-hour fasted guinea-pigs. Armstrong MK, et al. **Int J Biochem** 1985; 17(9):989–93
Responses of interproximal plaque pH to snack foods and effect of chewing sorbitol-containing gum. Jensen ME. **J Am Dent Assoc** 1986 Aug;113(2):262–6
Effect of glucose, fructose, sorbitol and amino acid solutions employed in clinical medicine on the development of liver regeneration after partial hepatectomy. Holeček M, et al. **Physiol Bohemoslov** 1985;34(5):395–402
The influence of sorbitol on the glycogenolytic pathway. Bianchi A, et al. **Physiol Chem Phys Med NMR** 1985; 17(4):401–5
Cholecystokinin secretion after oral Emtobil, a gallbladder-contracting formula. Gelin J, et al. **Scand J Gastroenterol** 1986 Mar;21(2):235–8
The effects of sorbitol on the gastrointestinal microflora in rats. Salminen S, et al. **Z Ernahrungswiss** 1986 Jun; 25(2):91–5
[Effect of hyperosmolar glycerol, mannitol and sorbitol solutions on kidney function] Golosubow G, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(2):113–32 (Eng. Abstr.) (Ger)
[Prevention and reversal of rat galactosemic cataract with aldose reductase inhibitor—immunohistochemical study] Akagi Y, et al. **Nippon Ganka Gakkai Zasshi** 1985 Nov; 89(11):1276–81 (Eng. Abstr.) (Jpn)

THERAPEUTIC USE

Intravenous feeding with medium chain triglycerides. Effect on blood gases and the complement system in critically ill patients. Ball MJ, et al. **Anaesthesia** 1986 Apr;41(4):423–6
Myocardial protection in coronary occlusion by retrograde cardioplegic perfusion via the coronary sinus in dogs. Preservation of high-energy phosphates and regional function. Masuda M, et al. **J Thorac Cardiovasc Surg** 1986 Aug;92(2):255–63
A comparative study of free radical scavengers in cardioplegic solutions. Improved protection with peroxidase. Menasche P, et al. **J Thorac Cardiovasc Surg** 1986 Aug;92(2):264–71
Dosage recommendations for activated charcoal-sorbitol treatment. Minocha A, et al. **J Toxicol Clin Toxicol** 1985–86;23(7–8):579–87
[Effect of fructose and sorbitol on insulin-induced hypoglycemia] Rett K, et al. **Dtsch Med Wochenschr** 1986 May 16;111(20):780–4 (Eng. Abstr.) (Ger)
[Sorbamine—a new infusion medium for correcting metabolic alkalosis] Smirnova IL, et al. **Gematol Transfuziol** 1985 Sep; 30(9):34–8 (Eng. Abstr.) (Rus)

TOXICITY

Three-generation reproduction study of rats ingesting up to 10% sorbitol in the diet—and a brief review of the toxicological status of sorbitol. MacKenzie KM, et al. **Food Chem Toxicol** 1986 Mar;24(3):191–200
Urolithiasis and nephrocalcinosis in xylitol- and sorbitol-fed male mice of two different strains. Bär A. **Int J Vitam Nutr Res [Suppl]** 1985;28:69–89

SORBOSE

ANALOGS & DERIVATIVES

Inhibition of IgE antibody formation by n-pentyl alpha-L-sorbopyranoside. Inagaki N, et al. **Jpn J Pharmacol** 1986 Jan;40(1):47–56

PHARMACODYNAMICS

The influence of L-sorbose on red cell flow properties, shape and packing ability. Stäubli M, et al. **Biorheology** 1985; 22(3):175–84

SORE THROAT see PHARYNGITIS

SOTALOL

ADVERSE EFFECTS

The effect of sotalol on plasma lipoproteins and apolipoproteins. Northcote RJ, et al. **Clin Chim Acta** 1986 Jul 30;158(2):187–91
Torsade de pointes induced by sotalol and hypokalaemia. Bennett JM, et al. **S Afr Med J** 1985 Oct 12;68(8):591–2
[Possible embryofetopathy caused by beta-blocker (sotalol) taken throughout the pregnancy] Babin JP, et al. **Pediatrie** 1985 Mar;40(2):129–36 (Eng. Abstr.) (Fre)
[Severe ventricular arrhythmia after ingestion of sotalol. Apropos of 3 cases] Blanc P, et al. **Therapie** 1986 May-Jun; 41(3):219–22 (Eng. Abstr.) (Fre)

PHARMACODYNAMICS

A comparison of the cardiovascular effects of (+)-sotalol and (+/-)-sotalol following intravenous administration in normal volunteers. Johnston GD, et al. **Br J Clin Pharmacol** 1985 Nov;20(5):507–10
Electromechanical characterization of the effects of racemic sotalol and its optical isomers on isolated canine ventricular trabecular muscles and Purkinje strands. Lathrop DA. **Can J Physiol Pharmacol** 1985 Dec;63(12):1506–12
Effects of (+/-)-sotalol, (+/-)-propranolol, and (-)-propranolol on norepinephrine release upon hepatic nerve stimulation in the dog liver in vivo. Yamaguchi N. **Can J Physiol Pharmacol** 1985 Nov;63(11):1423–8
The influence of acute myocardial ischaemia on the class III antiarrhythmic action of sotalol. Cobbe SM, et al. **Cardiovasc Res** 1985 Nov;19(11):661–7
Interaction of the effects of hypoxia, substrate depletion, acidosis and hyperkalaemia on the class III antiarrhythmic properties of sotalol. Cobbe SM, et al. **Cardiovasc Res** 1985 Nov;19(11):668–73
Effect of sotalol on human atrial action potential duration and refractoriness: cycle length dependency of class III activity. Hayward RP, et al. **Cardiovasc Res** 1986 Feb; 20(2):100–7
Pharmacologic conversion and suppression of experimental canine atrial flutter: differing effects of d-sotalol, quinidine, and lidocaine and significance of changes in refractoriness and conduction. Feld GK, et al. **Circulation** 1986 Jul; 74(1):197–204
d-Sotalol: a new potent class III anti-arrhythmic agent. Taggart P, et al. **Clin Sci** 1985 Nov;69(5):631–6
Effect of sotalol, aprindine and the combination aprindine-sotalol on monophasic action potential duration. Stroobandt R, et al. **Eur Heart J** 1986 Jan;7(1):47–53
Effects of sotalol, (-)-propranolol and prazosin on reperfusion-induced arrhythmias and increased cardiac

norepinephrine release. Lamontagne D, et al. **Eur J Pharmacol** 1986 Apr 9;123(1):1–10

Electrophysiologic effects of the levo- and dextrorotatory isomers of sotalol in isolated cardiac muscle and their in vivo pharmacokinetics. Kato R, et al. **J Am Coll Cardiol** 1986 Jan;7(1):116–25

[Electrophysiological effects of sotalol on the sinus node, atrium, AV node and his-bundle cells in the rabbit heart] Gao TL, et al. **Sheng Li Hsueh Pao** 1985 Oct;37(5):425–36 (Eng. Abstr.) **(Chi)**

POISONING

Beta-blocker poisoning: prolongation of Q-T interval and inversion of T wave. Baliga BG. **J Indian Med Assoc** 1985 May;83(5):165

THERAPEUTIC USE

Long-term sotalol therapy in patients with ventricular arrhythmias. Mary-Rabine L, et al. **Acta Cardiol (Brux)** 1986;41(2):89–97

Acute and chronic effects of sotalol and propranolol on ventricular repolarization using constant-rate pacing. Creamer JE, et al. **Am J Cardiol** 1986 May 1;57(13):1092–6

Concentration-dependent pharmacologic properties of sotalol. Wang T, et al. **Am J Cardiol** 1986 May 1; 57(13):1160–5

Effect of long term treatment with metoprolol and sotalol on ventricular repolarisation measured by use of transoesophageal atrial pacing. Blomström-Lundqvist C, et al. **Br Heart J** 1986 Feb;55(2):181–6

Contribution of delayed ventricular repolarization to the anti-arrhythmic efficacy of sotalol. Brachmann J, et al. **Eur Heart J** 1985 Nov;6 Suppl D:171–4

[Electrophysiologic effect of sotalol in supraventricular tachycardias] Borggrefe M, et al. **Z Kardiol** 1985 Sep; 74(9):506–11 (Eng. Abstr.) **(Ger)**

[Sotalol in supraventricular tachycardia. Electrophysiologic measurements in Wolff-Parkinson-White syndrome and AV node re-entry tachycardia] Manz M, et al. **Z Kardiol** 1985 Sep;74(9):500–5 (Eng. Abstr.) **(Ger)**

[Beta blockers and the climateric syndrome] Severgnini B, et al. **Cardiologia** 1985 Apr;30(4):313–9 (Eng. Abstr.) **(Ita)**

SOTERENOL see under **ETHANOLAMINES**

SOUND

see related
ACOUSTIC STIMULATION
NOISE

A case of isolated partial auditory agnosia associated with coiling of the left internal carotid artery. Tack E, et al. **Acta Neurol Belg** 1986 May-Jul;86(3):161–9

Soundtrack contents and depicted sexual violence. Pfaus JG, et al. **Arch Sex Behav** 1986 Jun;15(3):231–7

Auditory frequency discrimination and event-related potentials. Sams M, et al. **Electroencephalogr Clin Neurophysiol** 1985 Nov; 62(6):437–48

An evaluation of total hip replacement cementing technique using sonic resonance. Poss R, et al. **Eng Med** 1984 Oct; 13(4):191–6

Comparison of lung sounds and gas trapping in the study of airway mechanics. Frazer DG, et al. **Environ Health Perspect** 1986 Apr;66:25–30

The role of frequency modulation in the perception of complex stimuli by primates. Moody DB, et al. **Exp Biol** 1986;45(3):219–32

Tonotopic organization in the inferior colliculus of the rat demonstrated with the 2-deoxyglucose method. Huang CM, et al. **Exp Brain Res** 1986;61(3):506–12

Weight of sound qualities in inducing audiogenic seizure in rats. Björk EA. **Hear Res** 1985;20(1):25–9

Intermodulation distortion in the cochlea: could basal vibration be the major cause of round window CM distortion? Brown AM, et al. **Hear Res** 1985;19(3):191–8

A mechanism for stimulated acoustic emissions in the cochlea. Guelke RW, et al. **Hear Res** 1985;19(3):185–9

Temporal response features of cat auditory cortex neurons contributing to sensitivity to tones delivered in the presence of continuous noise. Phillips DP. **Hear Res** 1985; 19(3):253–68

Temporomandibular joint sounds in patients with disc displacement. Eriksson L, et al. **Int J Oral Surg** 1985 Oct; 14(5):428–36

Analysis of multiple event related potential components in a tone discrimination task. Lindholm E, et al. **Int J Psychophysiol** 1985 Nov;3(2):121–9

Coherent active methods for applications in room acoustics. Guicking D, et al. **J Acoust Soc Am** 1985 Oct;78(4):1426–34

Confusion effects with sinusoidal and narrow-band noise forward maskers. Neff DL. **J Acoust Soc Am** 1986 May; 79(5):1519–29

The shape of the nonlinearity generating the combination tone 2f1–f2. Strube HW. **J Acoust Soc Am** 1986 May; 79(5):1511–8

Electrophysiological evidence for the critical band in humans. Zerlin S. **J Acoust Soc Am** 1986 May;79(5):1612–6

Sounds of TMJ [letter] **J Am Dent Assoc** 1985 Sep;111(3):402

Resonant amplification of delivered volume during high-frequency ventilation. Brusasco V, et al. **J Appl Physiol** 1986 Mar;60(3):885–92

Sound graphs: a numerical data analysis method for the blind. Mansur DL, et al. **J Med Syst** 1985 Jun;9(3):163–74

The pattern of response of the inferior colliculus of the cat during the movement of a sound source. Al'tman YA, et al. **Neurosci Behav Physiol** 1985 Jul-Aug;15(4):318–24

[Perceived average (principal) pitch of FM-AM tones as a function of the carrier frequency] Iwamiya S, et al. **Ann Physiol Anthropol** 1985 Apr;4(2):107–13 (Eng. Abstr.) **(Jpn)**

[The influence of infrasound vibration upon cochlea] Yoshida A, et al. **Sangyo Ika Daigaku Zasshi** 1986 Mar 20;8 Suppl:123–8 (Eng. Abstr.) **(Jpn)**

[A physical model of acoustic effects of ultrahigh frequency fields on biological systems] Tigranian RE, et al. **Biofizika** 1985 Sep-Oct;30(5):894–9 (Eng. Abstr.) **(Rus)**

[Effect of low-frequency acoustic oscillations on the natural resistance of the body] Svidovyĭ VI, et al. **Vrach Delo** 1985 Aug;(8):114–6 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Age-dependent effects of a pure tone trauma in the chick basilar papilla: evidence for a development of the tonotopic organization. Cousillas H, et al. **Hear Res** 1985;19(3):217–26

Human nonspecific response to sound stimulation. Martiník K, et al. **J Hyg Epidemiol Microbiol Immunol** 1986; 30(2):139–44

[Changes in the aminotransferase activity and erythrocyte membrane permeability in exposure to infrasound and low-frequency noise] Svidovyĭ VI, et al. **Gig Sanit** 1985 Oct;(10):73–4 **(Rus)**

[Reaction of vessels of the middle ear system of the guinea pig in response to exposure to infrasound] Anichin VF, et al. **Gig Tr Prof Zabol** 1985 Sep;(9):43–4 **(Rus)**

[Experimental myocardial ischemia caused by infrasound] Gordeladze AS, et al. **Gig Tr Prof Zabol** 1986 Jun;(6):30–3 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

[Possibilities of acoustic thermography of biological objects] Guliaev IuV, et al. **Dokl Akad Nauk SSSR** 1985; 283(6):1495–9 **(Rus)**

[Surgical phonocholangiography] Shul'man IaG, et al. **Klin Khir** 1985;(9):66–7 **(Rus)**

[Acoustic diagnosis in bone injuries] Andreev VN. **Ortop Travmatol Protez** 1985 Jul;(7):48–9 **(Rus)**

[Sound lateralization in disorders of the hemispheric acoustic mechanisms] Skliut IA, et al. **Vestn Otorinolaringol** 1985 Nov-Dec;(6):12–7 (Eng. Abstr.) **(Rus)**

SOUND LOCALIZATION see under **AUDITORY PERCEPTION**

SOUND SPECTROGRAPHY

Neonatal pain cries: effect of circumcision on acoustic features and perceived urgency. Porter FL, et al. **Child Dev** 1986 Jun;57(3):790–802

Spectral analysis of sung vowels. III. Characteristics of singers and modes of singing. Bloothooft G, et al. **J Acoust Soc Am** 1986 Mar;79(3):852–64

Speech intonation and focus location in matched statements and questions. Eady SJ, et al. **J Acoust Soc Am** 1986 Aug; 80(2):402–15

Variability of voice fundamental frequency in elderly female speakers. Morgan EE, et al. **Percept Mot Skills** 1986 Aug; 63(1):215–8

[Evaluation of vocal stress by examination of the vocal field] Novák A, et al. **Sb Lek** 1986 Jun;88(6):171–6 (Eng. Abstr.) **(Cze)**

[Spectral energy distributions of the /s/ sound in language development disordered children] Schäfersküpper P, et al. **Folia Phoniatr (Basel)** 1986;38(1):36–42 **(Ger)**

METHODS

A comparison of temporal measures of speech using spectrograms and digital oscillograms. Smith BL, et al. **J Speech Hear Res** 1986 Jun;29(2):270–4

[A new method of objective measurement of voice hoarseness using narrow-band spectral analysis of short segments] Sedláček K, et al. **Sb Lek** 1986 Jun;88(6):163–70 (Eng. Abstr.) **(Cze)**

SOY BEANS see **SOYBEANS**

SOYBEANS

Soy sauce biochemistry. Yokotsuka T. **Adv Food Res** 1986; 30:195–329 (371 ref.)

Cooking procedures for direct consumption of whole soybeans. Morales de León JC, et al. **Arch Latinoam Nutr** 1985 Jun;35(2):326–36

The use of blends of cassava flour and extruded full-fat soybeans in diets for broiler chickens. Waldroup PW, et al. **Arch Latinoam Nutr** 1984 Sep;34(3):550–63

Effects of postnatal protein undernutrition on myelination in rat brain. Egwim PO, et al. **Comp Biochem Physiol [A]** 1986;83(1):67–70

Microscopical comparison of cotton, corn, and soybean dusts. Goynes WR, et al. **Environ Health Perspect** 1986 Apr; 66:125–33

Relation of nitrite concentration to mutagen formation in soy sauce. Nagahara A, et al. **Food Chem Toxicol** 1986 Jan;24(1):13–5

Effect of biotin and(or) lysine additions to corn-soybean meal diets on the performance and nutrient balance of growing pigs. Hamilton CR, et al. **J Anim Sci** 1986 Jan;62(1):155–62

Evaluation of urea and dried whey in diets of cows during early lactation. Casper DP, et al. **J Dairy Sci** 1986 May; 69(5):1346–54

Extruded blend of soybean meal and sunflower seeds for dairy cattle in early lactation. Drackley JK, et al. **J Dairy Sci** 1986 Feb;69(2):371–84

Influence of formaldehyde-treated soybean meal on milk production. Lundquist RG, et al. **J Dairy Sci** 1986 May; 69(5):1337–45

Milk production response to diets supplemented with dried brewers grains, wet brewers grains, or soybean meal. Polan CE, et al. **J Dairy Sci** 1985 Aug;68(8):2016–26

Production responses in early lactation to additions of soybean meal to diets containing predominantly corn silage. Roffler RE, et al. **J Dairy Sci** 1986 Apr;69(4):1055–62

Morphological alterations of small intestinal epithelium of calves caused by feeding soybean protein. Silva AG, et al. **J Dairy Sci** 1986 May;69(5):1387–93

Soybean extracts as culture media for the growth and toxin production of Corynebacterium diphtheriae. Taha FS, et al. **J Egypt Public Health Assoc** 1985;60(1-2):113–26

Comparison of the effect of cell wall and hull fiber from canola and soybean on the bioavailability for rats of minerals, protein and lipid. Ward AT, et al. **J Nutr** 1986 Feb;116(2):233–41

Absorption of selenium from milk protein and isolated soy protein formulas in preschool children: studies using stable isotope tracer 74Se. Solomons NW, et al. **J Pediatr Gastroenterol Nutr** 1986 Jan;5(1):122–6

The effects of oral soybean phospholipid on serum total cholesterol, plasma triglyceride, and serum high-density lipoprotein cholesterol concentrations in hyperlipidemia. Ovesen L, et al. **JPEN J Parenter Enteral Nutr** 1985 Nov-Dec;9(6):716–9

The failure of long-term feeding of raw soy flour, in the presence or absence of azaserine, to induce carcinogenic changes in the mouse pancreas. Hasdai A, et al. **Nutr Cancer** 1986;8(2):85–91

Vitamin B12 nutriture of chickens fed raw soybean meal. Ward NE, et al. **Poult Sci** 1986 Jan;65(1):106–13

Short-term (8-day) effects of a raw soybean diet on exocrine pancreatic secretion and plasma gastrointestinal hormone levels in the pig. Corring T, et al. **Reprod Nutr Dev** 1986; 26(2A):503–14

[Exocrine pancreas secretion in swine after feeding soybean extract meal] Souffrant WB, et al. **Arch Tierernahr** 1985 Jun;35(6):383–9 (Eng. Abstr.) **(Ger)**

[Effect of various extrusion conditions on the protein quality of soybean and whole rye meal] Harmuth-Hoene AE, et al. **Z Ernahrungswiss** 1985 Jun;24(2):85–95 (Eng. Abstr.) **(Ger)**

[Effect of a new tube-feeding formula on metabolism, urinary electrolytes and gastrointestinal tract of healthy adults with and without a supplement of ballast material from soy bran] Matzkies F, et al. **Z Ernahrungswiss** 1985 Jun;24(2):105–12 (Eng. Abstr.) **(Ger)**

[Biological value of soy protein concentrate] Gazaeva AM. **Vopr Pitan** 1985 Jul-Aug;(4):40–3 (Eng. Abstr.) **(Rus)**

[Clinico-experimental approaches to studying the hypocholesteremic action of soy proteins] Liapkov BG, et al. **Vopr Pitan** 1986 Mar-Apr;(2):39–43 (Eng. Abstr.) **(Rus)**

[Selection of parameters for thermal treatment of soybeans by enzyme inactivation] Gómez MH, et al. **Arch Latinoam Nutr** 1985 Mar;35(1):163–71 (Eng. Abstr.) **(Spa)**

[Development of a food of intermediate moistness from extracts of corn and soybean] Gómez MH. **Arch Latinoam Nutr** 1985 Jun;35(2):306–14 (Eng. Abstr.) **(Spa)**

[Nutritional quality of soybean proteins and casein, thermally damaged, and determined in vivo by an enzymatic method] Millán N, et al. **Arch Latinoam Nutr** 1984 Dec;34(4):708–23 (Eng. Abstr.) **(Spa)**

[Biological evaluation of an infant food based on soybean, rice and banana] Vargas E, et al. **Arch Latinoam Nutr** 1985 Mar;35(1):90–104 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

The growth-promoting and carcinogenic effects of raw soya flour in rats [letter] Mu B. **Environ Health Perspect** 1985 Nov;63:249

Comparison of the arthritogenic properties of dietary cow's milk, egg albumin and soya milk in experimental animals. Welsh CJ, et al. **Int Arch Allergy Appl Immunol** 1986; 80(2):192–9

Natural history of severe reactions to foods in young children. Bock SA. **J Pediatr** 1985 Nov;107(5):676–80

Enteropooling in piglets induced by soya-peptone mediated via an increased biosynthesis of prostanoids. Jager LP, et al. **Vet Res Commun** 1986 Sep;10(5):407–12

Thermostable factor(s) in soya producing a net excess of secretion in the ligated gut test in pigs. Nabuurs MJ. **Vet Res Commun** 1986 Sep;10(5):399–405

ANALYSIS

Unique-sample selection via near-infrared spectral subtraction. Honigs DE, et al. **Anal Chem** 1985 Oct; 57(12):2299–303

Discrepancies among published amino acid sequences of soybean leghemoglobins: experimental evidence against cultivar differences as the sources of the discrepancies. Fuchsman WH. **Arch Biochem Biophys** 1985 Dec; 243(2):454–60

Perinatal dietary supplementation with a commercial soy lecithin preparation: effects on behavior and brain biochemistry in the developing rat. Bell JM, et al. **Dev Psychobiol** 1985 Sep;18(5):383–94

Chromatographic purification and identification of polar metabolites of benazolin-ethyl from soybean. Kelly ID, et al. **Int J Environ Anal Chem** 1986;25(1–3):135–49

Determination of residues of alachlor and its metabolite in corn, soybeans, and potatoes as heptafluorobutyryl-2,6-diethylaniline. Newsome WH, et al. **J Assoc Off Anal Chem** 1986 Jul–Aug;69(4):591–3

Substrate recognition by a sucrose transporting protein. Hitz WD, et al. **J Biol Chem** 1986 Sep 15;261(26):11986–91

Endogenous lectins from cultured soybean cells: isolation of a protein immunologically cross-reactive with seed soybean agglutinin and analysis of its role in binding of Rhizobium japonicum. Ho SC, et al. **J Cell Biol** 1986 Sep; 103(3):1043–54

Mutagenicity of soy sauce treated with a physiologically feasible concentration of nitrite. Tahira T, et al. **Mutat Res** 1986 Aug;174(4):255–8

Detection of soybean in soy-based meat substitutes. Abd Allah MA, et al. **Nahrung** 1986;30(5):549–58

A study on gelation of soybean globulin solutions. Part 4. Effect of gelation conditions on the visco-elastic properties and structure of thermotropic gels of soybean globulin fraction. Bikbov TM, et al. **Nahrung** 1985;29(7):639–50

Isolates from faba bean and soybean with lowered content of phytic acid and activity of the trypsin inhibitors. Borowska J, et al. **Nahrung** 1986;30(1):11–8

Soybean seed 2-S globulins are not trypsin inhibitors. Vaintraub IA, et al. **Nahrung** 1985;29(7):711–4

Monitoring of Maillard reactions in soy products. Molnár-Perl I, et al. **Z Lebensm Unters Forsch** 1986 Jul; 183(1):18–25

Modified lumiflavin procedure for determination of riboflavin in soybean. Vedrina-Dragojević I, et al. **Z Lebensm Unters Forsch** 1986 Feb;182(2):127–30

[Changes in the sterol content of soybean oil after its thermal processing] Garbuzov AG, et al. **Vopr Pitan** 1986 Mar–Apr; (2):67–9 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Genetic locus in Rhizobium japonicum (fredii) affecting soybean root nodule differentiation. Stanley J, et al. **J Bacteriol** 1986 May;166(2):628–34

DRUG EFFECTS

Mutagenic potential of cordycepin (3'-deoxyadenosine) in salmonella and soybean tester strains. Inoue T, et al. **Mutat Res** 1986 Jul;174(3):179–82

ENZYMOLOGY

Partial purification and characterization of two forms of malonyl-coenzyme A:acyl carrier protein transacylase from soybean leaf tissue. Guerra DJ, et al. **Arch Biochem Biophys** 1986 Apr;246(1):274–85

Electrostatic effects and the dynamics of enzyme reactions at the surface of plant cells. 2. The role of pectin methyl esterase in the modulation of electrostatic effects in soybean cell walls. Moustacas AM, et al. **Eur J Biochem** 1986 Feb 17;155(1):191–7

Electrostatic effects and the dynamics of enzyme reactions at the surface of plant cells. 3. Interplay between limited cell-wall autolysis, pectin methyl esterase activity and electrostatic effects in soybean cell walls. Nari J, et al. **Eur J Biochem** 1986 Feb 17;155(1):199–202

Affinity labeling of soybean beta-amylase with 2',3'-epoxypropyl alpha-D-glucopyranoside. Isoda Y, et al. **J Biochem (Tokyo)** 1986 Jun;99(6):1631–7

Inhibition of soybean lipoxygenase-1 by 10-butyryl substituted 1,8-dihydroxy-9-anthrone (butantrone). Laakso S, et al. **Med Biol** 1986;64(1):43–5

Flavonoid inhibition of soybean lipoxygenase. Alcaraz MJ, et al. **Pharmazie** 1986 Apr;41(4):299–300

GENETICS

Mutagen testing with the soybean assay. Vig BK. **Basic Life Sci** 1985;34:329–36

Genetic linkage of a leucine aminopeptidase locus with the Kunitz trypsin inhibitor locus in soybeans. Kiang YT, et al. **J Hered** 1986 Mar–Apr;77(2):128–9

METABOLISM

Race:cultivar-specific induction of enzymes related to phytoalexin biosynthesis in soybean roots following infection with Phytophthora megasperma f. sp. glycinea. Bonhoff A, et al. **Arch Biochem Biophys** 1986 Apr; 246(1):149–54

Elicitor-induced phytoalexin synthesis in soybean cells: changes in the activity of chalcone synthase mRNA and the total population of translatable mRNA. Grab D, et al. **Arch Biochem Biophys** 1985 Dec;243(2):523–9

Oxidation of an organosulfur xenobiotic by microsomes from soybean cotyledons. Blee E, et al. **Biochem Biophys Res Commun** 1986 Mar 28;135(3):922–7

Thermodynamic and kinetic studies on saccharide binding to soya-bean agglutinin. Swamy MJ, et al. **Biochem J** 1986 Mar 15;234(3):515–22

MICROBIOLOGY

Aflatoxin contamination in soybeans: role of proteinase inhibitors, zinc availability, and seed coat integrity. Stössel P. **Appl Environ Microbiol** 1986 Jul;52(1):68–72

PHYSIOLOGY

Effect of fungicide application on soybean-rhizobia symbiosis and isolation of fungicide-resistant strains of Rhizobia japonicum. Tesfai K, et al. **Bull Environ Contam Toxicol** 1986 Jun;36(6):819–26

Proton motive force in washed cells of Rhizobium japonicum and bacteroids from Glycine max. Bhandari B, et al. **J Bacteriol** 1985 Dec;164(3):1383–5

TOXICITY

Cell death (apoptosis) during pancreatic involution after raw soya flour feeding in the rat. Oates PS, et al. **Am J Physiol** 1986 Jan;250(1 Pt 1):G9–14

Effects of feeding partial and intermittent raw soya flour diets on the rat pancreas. McGuinness EE, et al. **Cancer Lett** 1986 Jul;32(1):73–81

Effect of raw soy flour, feeding regime, and azaserine on rat pancreas. Nitsan Z, et al. **Drug Nutr Interact** 1985; 3(4):223–8

SPACE FLIGHT

see related
EXTRATERRESTRIAL ENVIRONMENT
SEALED CABIN ECOLOGY
WEIGHTLESSNESS

Geriatric astronauts [editorial] Rosenthal M. **Am J Med** 1986 May;80(5):763

Experiment on the space shuttle flight STS 51-C: aggregation of red blood cells in disease. Ditenfass L, et al. **Australas Phys Eng Sci Med** 1985 Jul–Sep;8(3):110–5

Cardiovascular deconditioning during space flight and the use of saline as a countermeasure to orthostatic intolerance. Bungo MW, et al. **Aviat Space Environ Med** 1985 Oct; 56(10):985–90

A review of the psychological aspects of space flight. Christensen JM, et al. **Aviat Space Environ Med** 1986 Mar; 57(3):203–12 (90 ref.)

Decompression sickness and intravenous bubble formation using a 7.8 psia simulated pressure-suit environment. Dixon GA, et al. **Aviat Space Environ Med** 1986 Mar;57(3):223–8

Further studies on the application of the compartmentalization/airlock concept to aircraft and spacecraft. Fang HS, et al. **Aviat Space Environ Med** 1985 Dec;56(12):1209–12

Stimulating effect of space flight factors on Artemia cysts: comparison with irradiation by gamma rays. Gaubin Y, et al. **Aviat Space Environ Med** 1986 Jun;57(6):583–90

Wearing contact lenses in space shuttle operations. Hart LG. **Aviat Space Environ Med** 1985 Dec;56(12):1224–5

Saliva: a way to obtain specimens in an operational setting. Johnson P. **Aviat Space Environ Med** 1986 Apr;57(4):397

Arousal and stability: the effects of five new sympathomimetic drugs suggest a new principle for the prevention of space motion sickness. Kohl RL, et al. **Aviat Space Environ Med** 1986 Feb;57(2):137–43

The effective intensity of Coriolis, cross-coupling stimulation is gravitoinertial force dependent: implications for space motion sickness. Lackner JR, et al. **Aviat Space Environ Med** 1986 Mar;57(3):229–35

Sudden emesis following parabolic flight maneuvers: implications for space motion sickness. Lackner JR, et al. **Aviat Space Environ Med** 1986 Apr;57(4):343–7

Head movements in non-terrestrial force environments elicit motion sickness: implications for the etiology of space motion sickness. Lackner JR, et al. **Aviat Space Environ Med** 1986 May;57(5):443–8

The day that happened: 28 January, 1986 [editorial] Leverett SD Jr. **Aviat Space Environ Med** 1986 May;57(5):403–5

Manned space program in Japan [editorial] Saito I. **Aviat Space Environ Med** 1986 Aug;57(8):731–2

Effect of rotopositioning on the growth and maturation of mandibular bone in immobilized rhesus monkeys. Simmons DJ, et al. **Aviat Space Environ Med** 1986 Feb;57(2):157–61

Anabolic steroids as a countermeasure against bone demineralization during space flight. Stepaniak PC, et al. **Aviat Space Environ Med** 1986 Feb;57(2):174–8

Immunological analyses of U.S. Space Shuttle crewmembers. Taylor GR, et al. **Aviat Space Environ Med** 1986 Mar; 57(3):213–7

Fecundity and longevity of houseflies after space flight. Lee RE Jr, et al. **Experientia** 1985 Sep 15;41(9):1191–2

Influence of space flight on red blood cells. Talbot JM, et al. **Fed Proc** 1986 Aug;45(9):2285–90 (50 ref.)

Changes in the number of haemopoietic stem cells (CFUs) in bone marrow and spleens of pregnant rats after a short space flight onboard the Cosmos-1514 biosatellite. Vacek A, et al. **Folia Biol (Praha)** 1985;31(5):361–5

On the biological hazard of galactic antinuclei. Wilson JW, et al. **Health Phys** 1986 May;50(5):666–7

Medical diagnostic support for spacecraft. The NASA project. Grams RR, et al. **J Med Syst** 1986 Apr; 10(2):185–94

Stress coping strategies in commercial airline pilots. Sloan SJ, et al. **J Occup Med** 1986 Jan;28(1):49–52

The engineering of an ileostomy bag. Application of aerospace technology allied to medicine. Benzies G. **Lancet** 1986 Jul 12;2(8498):92–3

Skeletal changes during space flight. Rambaut PC, et al. **Lancet** 1985 Nov 9;2(8463):1050–2

Mystery of red cell aggregation under zero gravity. Experiment on STS 51-C. Dintenfass L. **Med J Aust** 1985 Sep 30;143(7):281–3

The skeleton in space [news] Goode AW, et al. **Nature** 1985 Sep 19–25;317(6034):204–5

Postural variations of intraocular pressure--preflight experiments for the D1-mission. Draeger J, et al. **Ophthalmic Res** 1986;18(1):55–60

Space flight: IV. Variables of motion sickness. Stewart R. **Percept Mot Skills** 1985 Oct;61(2):397–8

Histochemistry of the gastrointestinal tract in pregnant rats subjected to cosmic flight and in their progeny (Cosmos 1514). Groza P, et al. **Physiologie** 1986 Apr–Jun;23(2):85–9

Early postnatal development of rats gestated during flight of Cosmos 1514. Alberts JR, et al. **Physiologist** 1985 Dec; 28(6 Suppl):S81–2

Bone demineralization during space flight. Anderson SA, et al. **Physiologist** 1985 Aug;28(4):212–7 (66 ref.)

Is space sickness a form of motion sickness? Borison HL. **Physiologist** 1985 Dec;28(6 Suppl):S25–7

Plant growth responses to atmosphere and other environmental variables in the space shuttle plant growth unit. Cuellar MD, et al. **Physiologist** 1985 Dec;28(6 Suppl):S107–8

Exobiology experiments for Space Station. DeVincenzi DL, et al. **Physiologist** 1985 Dec;28(6 Suppl):S185–6

Morphologic and histochemical studies of bone cells from SL-3 rats. Doty SB. **Physiologist** 1985 Dec;28(6 Suppl):S225–6

Microprobe analyses of epiphyseal plates from Spacelab 3 rats. Duke J, et al. **Physiologist** 1985 Dec;28(6 Suppl):S217–8

Rat maintenance in the Research Animal Holding Facility during the flight of Space Lab 3. Fast T, et al. **Physiologist** 1985 Dec;28(6 Suppl):S187–8

Homeostasis and biological rhythms in the rat during spaceflight. Fuller CA. **Physiologist** 1985 Dec;28(6 Suppl):S199–200

Life science research on the Space Station. Fuller CA. **Physiologist** 1985 Dec;28(6 Suppl):S181–2

Effect of flight in mission SL-3 on interferon-gamma production by rats. Gould CL, et al. **Physiologist** 1985 Dec; 28(6 Suppl):S213–4

Hypokinezia and space flight reflected on rats stomach. Groza P, et al. **Physiologist** 1985 Dec;28(6 Suppl):S163–4

Hepatic enzyme adaptation in rats after space flight. Hargrove JL, et al. **Physiologist** 1985 Dec;28(6 Suppl):S230

Plasma renin concentrations (PRC) of rats orbited for 7 days aboard NASA Spacelab 3. Hartle DK, et al. **Physiologist** 1985 Dec;28(6 Suppl):S233–4

Considerations in the design of life sciences research facilities for the Space Station. Heinrich M, et al. **Physiologist** 1985 Dec;28(6 Suppl):S161–2

Muscle atrophy during space flight: research needs and opportunities. Herbison GJ, et al. **Physiologist** 1985 Dec; 28(6):520–7 (124 ref.)

Space Station life science research facility—the Vivarium/Laboratory. Hilchey JD, et al. **Physiologist** 1985 Dec;28(6 Suppl):S177–8

Microgravity associated changes in pituitary growth hormone (GH) cells prepared from rats flown on Space Lab 3. Hymer WC, et al. **Physiologist** 1985 Dec;28(6 Suppl):S197–8

Atriopeptin (AP-3) in atria and plasma of rats orbited aboard NASA Spacelab (SL3) for seven days. Inge WH, et al. **Physiologist** 1985 Dec;28(6 Suppl):S231–2

Concepts, strategies and potentials using hypo-G and other features of the space environment for commercialization using higher plants. Krikorian AD. **Physiologist** 1985 Dec; 28(6 Suppl):S179–80

Hematologic parameters of astrorats flown on SL-3. Lange RD, et al. **Physiologist** 1985 Dec;28(6 Suppl):S195–6

Fluid and electrolyte control in simulated and actual spaceflight. Leach CS, et al. **Physiologist** 1985 Dec;28(6 Suppl):S34–7

Vivaria requirements for animal life cycle studies on Space Station. Mains RC, et al. **Physiologist** 1985 Dec;28(6 Suppl):S165–6

1,25-Dihydroxyvitamin D3 receptors in space-flown vs. grounded control rat kidneys. Mangelsdorf DJ, et al. **Physiologist** 1985 Dec;28(6 Suppl):S223–4

Biochemical and morphological evaluation of the effects of space flight on rat salivary glands. Mednieks MI, et al. **Physiologist** 1985 Dec;28(6 Suppl):S215–6

Hepatic enzymes of sphingolipid and glycerolipid biosynthesis in rats from Spacelab 3. Merrill AH Jr, et al. **Physiologist** 1985 Dec;28(6 Suppl):S229

Spaceflight and calcium metabolism. Morey-Holton ER, et al. **Physiologist** 1985 Dec;28(6 Suppl):S9–12

Changes in functional metabolism in the rat central nervous system following spaceflight. Murakami DM, et al. **Physiologist** 1985 Dec;28(6 Suppl):S143–4

Osteocalcin as an indicator of bone metabolism during spaceflight. Patterson-Buckendahl PE, et al. **Physiologist** 1985 Dec;28(6 Suppl):S227–8

Reduction of the spermatogonial population in rat testes flown on Space Lab-3. Philpott DE, et al. **Physiologist** 1985 Dec;28(6 Suppl):S211–2

Morphological and biochemical changes in soleus and extensor digitorum longus muscles of rats orbited in Spacelab 3. Riley DA, et al. **Physiologist** 1985 Dec;28(6 Suppl):S207–8

Electron microprobe analyses of Ca, S, Mg and P distribution in incisors of Spacelab-3 rats. Rosenberg GD, et al. **Physiologist** 1985 Dec;28(6 Suppl):S189–90

Otoconial morphology in space-flown rats. Ross MD, et al. **Physiologist** 1985 Dec;28(6 Suppl):S219–20

Bone maturation in rats flown on the Spacelab-3 mission. Russell JE, et al. **Physiologist** 1985 Dec;28(6 Suppl):S235–6

Tissue culture apparatus for flight experimentation. Scheld HW, et al. **Physiologist** 1985 Dec;28(6 Suppl):S167–8

Effect of seven days of spaceflight on hindlimb muscle protein, RNA and DNA in adult rats. Steffen JM, et al. **Physiologist** 1985 Dec;28(6 Suppl):S221–2

Morphology of human embryonic kidney cells in culture after space flight. Todd P, et al. **Physiologist** 1985 Dec;28(6 Suppl):S183–4

Spaceflight results in formation of defective bone. Turner RT, et al. **Proc Soc Exp Biol Med** 1985 Dec;180(3):544–9

[Cosmic pathophysiology] Pospíšil M. **Cesk Fysiol** 1986; 35(1):56–61 (Cze)

[Suprathreshold alternating vestibular stimuli in orbiting spacecrafts] Mark H, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Nov;64(11):558–9 (Eng. Abstr.) (Ger)

[Prognostic significance of myoclonias in aerospace altitude studies and others with acute hypoxia-accompanied status] Seege D, et al. **Psychiatr Neurol Med Psychol Beih** 1977; 22–23:43–7 (Eng. Abstr.) (Ger)

[Limits, conditions and possibilities in the use of high level autogenic training in aerospace medicine] Korn F. **Psychiatr Neurol Med Psychol (Leipz)** 1985 Dec; 37(12):727–33 (Eng. Abstr.) (Ger)

[Possible use of plasmids for studying the effect of space flight factors on biological objects] Zaloguev SN, et al. **Antibiot Med Biotekhnol** 1986 May;31(5):357–62 (Eng. Abstr.) (Rus)

[Cardiovascular function of the cosmonauts on a long-term orbital flight] Atkov OIu. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1985;8(2):97–100 (Rus)

[Effect of space flight factors on recombination frequency in Drosophila melanogaster] Filatova LP, et al. **Dokl Akad Nauk SSSR** 1986;287(2):441–3 (Rus)

[Effect of space flight on the RNA-synthesizing apparatus of the rat liver in the matern-fetal system] Makeeva VF, et al. **Dokl Akad Nauk SSSR** 1985;282(5):1272–4 (Rus)

[Characteristics of growth, development and metabolism of algae Closteriopais acicularis with limited cellular supply of nitrogen in human biological life support system] Antonian AA, et al. **Kosm Biol Aviakosm Med** 1985 Jul-Aug;19(4):69–73 (Eng. Abstr.) (Rus)

[Human cardiac activity during the 1st hours and days of exposure to antiorthostatic hypokinesia (according to the results of echocardiography)] Bystrov VV, et al. **Kosm Biol Aviakosm Med** 1986 Mar-Apr;20(2):42–6 (Eng. Abstr.) (Rus)

[Venous pressure in the jugular vein system and the efficiency of venous return to the right heart during 120-day antiorthostatic hypokinesia] Doroshev VG. **Kosm Biol Aviakosm Med** 1986 Mar-Apr;20(2):38–41 (Eng. Abstr.) (Rus)

[Evaluation of human skin function in a sealed room by a chromatographic method] Dubinin DM, et al. **Kosm Biol Aviakosm Med** 1985 Nov-Dec;19(6):69–73 (Eng. Abstr.) (Rus)

[Interlabyrinthine asymmetry, vestibular dysfunction and space motion sickness] Gorgiladze GI, et al. **Kosm Biol Aviakosm Med** 1986 May-Jun;20(3):19–31 (121 ref.) (Eng. Abstr.) (Rus)

[Microflora of chufa—a potential component of the human biological life support system] Iunusova LS, et al. **Kosm Biol Aviakosm Med** 1985 Jul-Aug;19(4):63–8 (Eng. Abstr.) (Rus)

[Features of humoral regulation of metabolism during modelling of space flight factors] Kalandarov S, et al. **Kosm Biol Aviakosm Med** 1986 Jan-Feb;20(1):25–8 (Eng. Abstr.) (Rus)

[Experiments with growing plants on orbital stations Saliut-5, Saliut-6 and Saliut-7] Kostina LN, et al. **Kosm Biol Aviakosm Med** 1986 Jan-Feb;20(1):49–53 (Eng. Abstr.) (Rus)

[Study of conditions of mineral nutrition of a new form of microalgae used in a human life support system] Levinskikh MA, et al. **Kosm Biol Aviakosm Med** 1985 Jul-Aug; 19(4):95–6 (Rus)

[Synthetic biocidal coatings on the base of high-molecular weight metallo-organic compounds] Mishchenko VF, et al. **Kosm Biol Aviakosm Med** 1985 Sep-Oct;19(5):89–92 (Rus)

[Viability of embryos and nestlings after the exposure of quail eggs to gamma-radiation and vibration at various times during egg storage] Mitsenko VF, et al. **Kosm Biol Aviakosm Med** 1986 Mar-Apr;20(2):72–7 (Eng. Abstr.) (Rus)

[Prospects for using ultraviolet radiation in protracted space flights] Panferova NE. **Kosm Biol Aviakosm Med** 1986 Jan-Feb;20(1):4–12 (54 ref.) (Eng. Abstr.) (Rus)

[Functional status of the olfactory analyzer in a sealed cabin environment] Pashin SS, et al. **Kosm Biol Aviakosm Med** 1985 Jul-Aug;19(4):90–2 (Rus)

[Regeneration of sanitaro-hygienic water during long space flights by reverse osmosis] Poliakov SV, et al. **Kosm Biol Aviakosm Med** 1986 Mar-Apr;20(2):78–80 (Eng. Abstr.) (Rus)

[Free amino acids in human blood during the initial period of exposure to antiorthostatic hypokinesia] Popov IG, et al. **Kosm Biol Aviakosm Med** 1986 Mar-Apr;20(2):46–54 (Eng. Abstr.) (Rus)

[Effect of long-term space flight on polyamine levels in the rat brain] Tigranian RA, et al. **Kosm Biol Aviakosm Med** 1986 May-Jun;20(3):53–7 (Eng. Abstr.) (Rus)

[Evaluation of physical work capacity of the astronauts on Saliut-6] Tishler VA, et al. **Kosm Biol Aviakosm Med** 1986 May-Jun;20(3):31–5 (Eng. Abstr.) (Rus)

[Characteristics of metabolism of human erythrocytes after long-term space flight] Ushakov AS, et al. **Kosm Biol Aviakosm Med** 1985 Sep-Oct;19(5):19–23 (Eng. Abstr.) (Rus)

[Amino acid spectrum of human blood during neuro-emotional strain] Vlasova TF, et al. **Kosm Biol Aviakosm Med** 1986 Jan-Feb;20(1):80–2 (Rus)

[Preliminary results of medical studies during the 5-month space flight aboard the "Saliut-7"—"Soiuz-T" orbital complex] Vorob'ev EI, et al. **Kosm Biol Aviakosm Med** 1986 Mar-Apr;20(2):27–34 (Eng. Abstr.) (Rus)

[Water-salt homeostasis and space flight] Gazenko OG, et al. **Probl Kosm Biol** 1986;54:1–238 (Rus)

[Metabolic aspects of the stress problem in space flight] Tigranian RA. **Probl Kosm Biol** 1985;52:1–222 (Rus)

[Theoretical basis for evaluation, methods of monitoring and correcting the effect of emotions on cosmonaut behavior] Simonov PV. **Usp Fiziol Nauk** 1986 Apr-Jun;17(2):20–30 (31 ref.) (Rus)

[Cellular and humoral immunity in cosmonauts as affected by space flight factors] Konstantinova IV, et al. **Vestn Akad Med Nauk SSSR** 1985;(8):51–8 (Eng. Abstr.) (Rus)

[Vitamin allowance of cosmonauts during preflight training and after completing short space flights] Bogdanov NG, et al. **Vopr Pitan** 1986 May-Jun;(3):28–31 (Eng. Abstr.) (Rus)

[Biological characteristics of bacteria during the Cytos-2 Soviet-French space experiment] Zaloguev SN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Aug;(8):3–7 (Eng. Abstr.) (Rus)

[Modification of the cytogenetic and physiological effects of space flight factors by biologically active compounds] Aliev AA, et al. **Zh Obshch Biol** 1986 Mar-Apr; 47(2):246–51 (Eng. Abstr.) (Rus)

HISTORY

[Space biology and medicine (on the 25th anniversary of the first space flight of Iuri Alekseevich Gagarin)] Gazenko OG, et al. **Kosm Biol Aviakosm Med** 1986 May-Jun; 20(3):4–12 (Rus)

INSTRUMENTATION

Compatible atmospheres for a space suit, space station, and shuttle based on physiological principles. Hills BA. **Aviat Space Environ Med** 1985 Nov;56(11):1052–8

[Greenhouses with a curvilinear planting surface] Berkovich IuA, et al. **Kosm Biol Aviakosm Med** 1985 Nov-Dec; 19(6):77–80 (Eng. Abstr.) (Rus)

[Methodological problems of performing ground-based heat tests of a heating system for a piloted craft] Strogonova LB. **Kosm Biol Aviakosm Med** 1985 Nov-Dec;19(6):82–3 (Rus)

SPACE MAINTENANCE

[Overlapping of the anterior mandibular teeth: treatment with or without extraction?] Vanden Bulcke M, et al. **Rev Belge Med Dent** 1984 Nov-Dec;39(6):192–205 (Eng. Abstr.) (Fre)

METHODS

[The use of metallic crowns in pedodontics] Martens L, et al. **Rev Belge Med Dent** 1983 Jun;38(3):67–73 (Fre)

SPACE MEDICINE see **AEROSPACE MEDICINE**

SPACE PERCEPTION

How do we locate ourselves on a map: a method for analyzing self-location processes. Peruch P, et al. **Acta Psychol (Amst)** 1986 Jan;61(1):71–88

Gradients of spatial attention. Shulman GL, et al. **Acta Psychol (Amst)** 1986 Feb;61(2):167–81

Clinical evaluation of vertical fixation disparity. Part II. Reliability, stability, and association with refractive status, stereoacuity, and vertical heterophoria. Eskridge JB, et al. **Am J Optom Physiol Opt** 1985 Sep;62(9):579–84

Abnormal spatial localization in patients with herpes zoster ophthalmicus. Evidence for the presence of proprioceptive information. Campos EC, et al. **Arch Ophthalmol** 1986 Aug; 104(8):1176–7

Interactions between response stereotypy and memory strategies on the eight-arm radial maze. Dale RH, et al. **Behav Brain Res** 1986 Jan;19(1):17–25

Spatial representations in mathematically and in artistically gifted children. Hermelin B, et al. **Br J Educ Psychol** 1986 Jun;56 (Pt 2):150–7

The spatial demands of graphs. Bryant PE, et al. **Br J Psychol** 1986 May;77 (Pt 2):187–97

The development of spatial and class relations in four young children with right-cerebral-hemisphere damage: evidence for an early spatial constructive deficit. Stiles-Davis J, et al. **Brain Cogn** 1985 Oct;4(4):388–412

Figure mislocalizations as predicted from feature perturbation theory. Chastain G. **Can J Psychol** 1986 Jun;40(2):83–96

The location of noisy visual stimuli. Ward R, et al. **Can J Psychol** 1985 Sep;39(3):387–99

Visual perspective-taking skills in children. Gzesh SM, et al. **Child Dev** 1985 Oct;56(5):1204–13

Young children's ability to infer spatial relationships: evidence from a large, familiar environment. Herman JF, et al. **Child Dev** 1985 Oct;56(5):1195–203

Spatial localization in infancy: position constancy in a square and circular room with and without a landmark. Keating MB, et al. **Child Dev** 1986 Feb;57(1):115–24

Emergence and characterization of sex differences in spatial ability: a meta-analysis. Linn MC, et al. **Child Dev** 1985 Dec;56(6):1479–98

Familiarity, spatial frequency and task determinants in processing laterally presented representations of faces. Glass C, et al. **Cortex** 1985 Dec;21(4):513–31

Experience-dependent recovery of visuospatial functioning in older alcoholic persons. Forsberg LK, et al. **J Abnorm Psychol** 1985 Nov;94(4):519–29

Detection and discrimination of simulated motion of auditory targets in the horizontal plane. Grantham DW. **J Acoust Soc Am** 1986 Jun;79(6):1939–49

Landmark learning and visuo-spatial memories in gerbils. Collett TS, et al. **J Comp Physiol [A]** 1986 Jun; 158(6):835–51

The development of basic mechanisms of pattern vision: spatial frequency channels. Banks MS, et al. **J Exp Child Psychol** 1985 Dec;40(3):501–27

Delayed recognition memory for orientation by human infants. Quinn PC, et al. **J Exp Child Psychol** 1985 Oct; 40(2):293–303

Infants' search for visible objects: implications for the interpretation of early search errors. Sophian C, et al. **J Exp Child Psychol** 1985 Oct;40(2):260–78

Do infants reach for perceived objects? A reply to Stiles-Davis. Spelke ES, et al. **J Exp Psychol [Gen]** 1986 Mar;115(1):98–100

Comment on Hofsten and Spelke, object perception and object-directed reaching in infancy. Stiles-Davis J. **J Exp Psychol [Gen]** 1986 Mar;115(1):96–7

Internal frame of reference as a determinant of the oblique effect. Cecala AJ, et al. **J Exp Psychol [Hum Percept]** 1986 Aug;12(3):314–23

On the spatial distribution of visual attention. Crassini B. **J Exp Psychol [Hum Percept]** 1986 Aug;12(3):380–2

Binocular vision and spatial perception in 4- and 5-month-old infants. Granrud CE. **J Exp Psychol [Hum Percept]** 1986 Feb;12(1):36–49

Spatial frequency differences can determine figure-ground organization. Klymenko V, et al. **J Exp Psychol [Hum Percept]** 1986 Aug;12(3):324–30

Inhibitory component of externally controlled covert orienting in visual space. Maylor EA, et al. **J Exp Psychol [Hum Percept]** 1985 Dec;11(6):777–87

Spatial factors in visual attention: a reply to Crassini. Shepard RN, et al. **J Exp Psychol [Hum Percept]** 1986 Aug; 12(3):383–7

Effect of semantic clustering on the memory of spatial locations. Hirtle SC, et al. **J Exp Psychol [Learn Mem Cogn]** 1986 Apr;12(2):182–9

Secondary students' performance on Piagetian projective and Euclidean spatial tasks. Reesink CJ. **J Genet Psychol** 1985 Dec;146(4):439–47

Visual perspective taking in children: further ramifications of an information-processing model. Rosser RA, et al. **J Genet Psychol** 1985 Sep;146(3):379–87

Age-related effects of spatial contiguity and interference on coding performance. Erber JT. **J Gerontol** 1986 Sep; 41(5):641–4

Oculographic diagnosis of hemineglect in patients with homonymous hemianopia. Meienberg O, et al. **J Neurol** 1986 Apr;233(2):97–101

Perceived contrast in the fovea and periphery. Cannon MW Jr. **J Opt Soc Am [A]** 1985 Oct;2(10):1760–8

Intensity-dependent spatial summation. Cornsweet TN, et al. **J Opt Soc Am [A]** 1985 Oct;2(10):1769–86

Shifts in perceived spatial frequency of low-contrast stimuli: data and theory. Davis ET, et al. **J Opt Soc Am [A]** 1986 Aug;3(8):1189–202

Ideal discriminators in spatial vision: two-point stimuli.

Geisler WS, et al. **J Opt Soc Am [A]** 1985 Sep;2(9):1483–97
Sampling–theory analysis of spatial vision. Geisler WS, et al. **J Opt Soc Am [A]** 1986 Jan;3(1):62–70
Depth and shape from differential perspective in the presence of bending deformations. Koenderink JJ, et al. **J Opt Soc Am [A]** 1986 Feb;3(2):242–9
Simultaneous measurement of spatial–frequency summation and uncertainty effects. Kramer P, et al. **J Opt Soc Am [A]** 1985 Sep;2(9):1533–42
Invariance of the slope of the psychometric function with spatial summation. Mayer MJ, et al. **J Opt Soc Am [A]** 1986 Aug;3(8):1166–72
Importance of global information in vernier acuity. Meer P, et al. **J Opt Soc Am [A]** 1986 Jun;3(6):880–4
Application of a computable model of human spatial vision to phase discrimination. Nielsen KR, et al. **J Opt Soc Am [A]** 1985 Sep;2(9):1600–6
Interactions between spatially tuned mechanisms: converging evidence. Olzak LA. **J Opt Soc Am [A]** 1985 Sep; 2(9):1551–9
Spatial–frequency masking and Birdsall's theorem. Smith RA Jr, et al. **J Opt Soc Am [A]** 1985 Sep;2(9):1593–9
Tactual–kinesthetic matching of horizontal extents by the long–term blind: absence or reversal of normal left–side underestimation. Bradshaw JL, et al. **Neuropsychologia** 1986;24(2):261–4
Sex–linked left lateralized central processor for hierarchically–structured material? Evidence from Broca's aphasia. Friedland J, et al. **Neuropsychologia** 1986; 24(3):411–5
Hemispheric asymmetries in a tactile bisection task: effects of hemispace of presentation. Hatta T, et al. **Neuropsychologia** 1986;24(2):265–9
Mapping the binocular visual field for a target embedded in a regular background. Courtney AJ, et al. **Percept Mot Skills** 1985 Dec;61(3 Pt 2):1067–73
Effect of playing a video game on a measure of spatial visualization. Dorval M, et al. **Percept Mot Skills** 1986 Feb; 62(1):159–62
Contribution of figural proportion, figural memory, figure–ground perception and severity of hearing loss to performance on spatial tests. Hauptman A, et al. **Percept Mot Skills** 1986 Aug;63(1):187–90
Dyslexia subtype with simultaneous processing of intraobject spatial relations in an "ecological syndrome"Pontius AA. **Percept Mot Skills** 1985 Dec;61(3 Pt 2):1107–20
Effect of modality–specific experience on visual and haptic judgment of orientation. Appelle S, et al. **Perception** 1985; 14(6):763–73
Unstable ocular dominance and reading ability. Bigelow ER, et al. **Perception** 1985;14(3):329–35
On misoriented letters. Bressan P, et al. **Perception** 1984; 13(6):687–94
Aggregation and unit formation in the perception of moving collinear lines. Gillam B, et al. **Perception** 1984;13(6):659–64
Modifying the gestalt factor of proximity: theories compared. McKenna FP. **Perception** 1985;14(3):359–66
The role of verbal labels in the judgment of orientation and location. Maki RH, et al. **Perception** 1985;14(1):67–80
What is the appropriate control for the tilt illusion? Wenderoth P, et al. **Perception** 1985;14(3):275–83
Orientation and alignment misjudgement: new geometrical optical illusions? Yakimoff N. **Perception** 1985;14(6):775–7
Visuo–spatial processing in working memory. Logie RH. **Q J Exp Psychol [A]** 1986 May;38(2):229–47
Reversible Holmes' syndrome complicating cardio–pulmonary resuscitation. Fullerton KJ, et al. **Ulster Med J** 1985 Oct;54(2):208–10
[The stereo dots test] Cigánek L, et al. **Cesk Oftalmol** 1986 Mar;42(2):121–3 (Eng. Abstr.) **(Cze)**
[Spatial delusion: sign of lesions of the non–dominant hemisphere] Vighetto A, et al. **Rev Neurol (Paris)** 1985; 141(6–7):476–81 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Effects of opiate antagonists on spatial memory in young and aged rats. Gallagher M, et al. **Behav Neural Biol** 1985 Nov;44(3):374–85
Effects of scopolamine and unilateral lesions of the basal forebrain on T–maze spatial discrimination and alternation in rats. Beninger RJ, et al. **Pharmacol Biochem Behav** 1986 May;24(5):1353–60
Scopolamine–induced deficits in acquisition of a complex spatial learning. Soffie M, et al. **Physiol Behav** 1986; 37(1):79–84

PHYSIOLOGY

Three clinical tests of the spatial contrast sensitivity function: a comparison. Corwin TR, et al. **Am J Optom Physiol Opt** 1986 Jun;63(6):413–8
Clinical spatial contrast sensitivity measurement: implications of artificial scotoma experiments. Higgins KE. **Am J Optom Physiol Opt** 1986 Feb;63(2):108–12
Handedness and sex differences in the processing manner of verbal and spatial information. Nagae S. **Am J Psychol** 1985 Fall;98(3):409–20
The effects of hippocampal lesions upon spatial and non–spatial tests of working memory. Aggleton JP, et al. **Behav Brain Res** 1986 Feb;19(2):133–46
Thalamic role in spatial memory. Greene E, et al. **Behav Brain Res** 1986 Feb;19(2):123–31
Deficits in spatial–memory tasks following lesions of septal dopaminergic terminals in the rat. Simon H, et al. **Behav Brain Res** 1986 Jan;19(1):7–16
Preserved spatial memory in old rats survives 10 months without training. Bierley RA, et al. **Behav Neural Biol** 1986 Mar;45(2):223–9
Spatial memory and visual evoked potentials in young and old rats after housing in an enriched environment. van Gool WA, et al. **Behav Neural Biol** 1985 Nov;44(3):454–69
Emotional stimulation, defensive orientation, and hemispheric activation. Krikorian R, et al. **Brain Cogn** 1982 Oct;1(4):371–80
Spatial factors determine the activity of multisensory neurons in cat superior colliculus. Meredith MA, et al. **Brain Res** 1986 Feb 19;365(2):350–4
Spatial cue utilization in chronically malnourished rats: task–specific learning deficits. Goodlett CR, et al. **Dev Psychobiol** 1986 Jan;19(1):1–15
Spatial tuning of the pattern ERG across temporal frequency. Berninger T, et al. **Doc Ophthalmol** 1985 Oct 30;61(1):17–25
Amblyopic processing of positional information. Part I: Vernier acuity. Rentschler I, et al. **Exp Brain Res** 1985; 60(2):270–8
Amblyopic processing of positional information. Part II: Sensitivity to phase distortion. Weiss C, et al. **Exp Brain Res** 1985;60(2):279–88
Spatial development across the life span. Akiyama MM, et al. **Int J Aging Hum Dev** 1985;21(3):175–85
Collision with and avoidance of obstacles by blind cave fish Anoptichthys jordani (Characidae). Teyke T. **J Comp Physiol [A]** 1985 Dec;157(6):837–43
Cognitive spatial processing and the regulation of posture. Kerr B, et al. **J Exp Psychol [Hum Percept]** 1985 Oct; 11(5):617–22
A comparison of the changes in suprathreshold apparent contrast in acute and simulated optic neuritis. Abrahamsson M, et al. **J Neurol Neurosurg Psychiatry** 1985 Nov; 48(11):1147–51
Spatial receptive–field properties of direction–selective neurons in cat striate cortex. Baker CL Jr, et al. **J Neurophysiol** 1986 Jun;55(6):1136–52
Neurophysiological evaluation of the differential response model for orientation and spatial–frequency discrimination. Bradley A, et al. **J Opt Soc Am [A]** 1985 Sep;2(9):1607–10
Sampling in spatial vision. Levi DM, et al. **Nature** 1986 Mar 27–Apr 2;320(6060):360–2
Witelson's dichaptic stimulation test and children with different levels of musical talent. Hassler M, et al. **Neuropsychologia** 1986;24(3):435–40
'Part–whole' processing in unilateral brain–damaged patients: dysfunction of hierarchical organization. Robertson LC, et al. **Neuropsychologia** 1986;24(3):363–70
Spatial complexity and hand usage on the Block Design Test. Grote C, et al. **Percept Mot Skills** 1986 Feb;62(1):59–67
Right–hemisphere superiority in the discrimination of spatial phase. Fiorentini A, et al. **Perception** 1984;13(6):695–708
Visual half–field symmetry in orientation perception. Magnussen S, et al. **Perception** 1985;14(3):265–73
Visual space as physical geometry. Rosar WH. **Perception** 1985;14(4):403–25
Space, time and touch. Geldard FA, et al. **Sci Am** 1986 Jul; 255(1):90–5
Encoding of spatial location by posterior parietal neurons. Andersen RA, et al. **Science** 1985 Oct 25;230(4724):456–8
Spatial location and hyperacuity: the centre/surround localization contribution function has two substrates. Badcock DR, et al. **Vision Res** 1985;25(9):1259–67
The optical phase transfer function of the eye and the perception of spatial phase. Charman WN, et al. **Vision Res** 1985;25(4):619–23
Accuracy of spatial localizations near the time of saccadic eye movements. Hansen RM, et al. **Vision Res** 1985; 25(8):1077–82
Vernier acuity, crowding and amblyopia. Levi DM, et al. **Vision Res** 1985;25(7):979–91
Contrast and phase processing in amblyopia. Mac Cana F, et al. **Vision Res** 1986;26(5):781–9
Temporal aspects of spatial adaptation. A study of the tilt aftereffect. Magnussen S, et al. **Vision Res** 1986; 26(4):661–72
Spatial visual acuity of the eagle Aquila audax: a behavioural, optical and anatomical investigation. Reymond L. **Vision Res** 1985;25(10):1477–91
A theory of the primitive spatial code in human vision. Watt RJ, et al. **Vision Res** 1985;25(11):1661–74
Systems analysis of spatial vision. An essay in honor of Professor L. H. van der Tweel. Westheimer G. **Vision Res** 1986;26(1):1–5
[Visuospatial perceptual impairment in Parkinson's disease] Qin Z. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1985 Aug; 18(4):214–6 (Eng. Abstr.) **(Chi)**
[Spatial–frequency mechanisms of light perception] Bertulis AV, et al. **Fiziol Cheloveka** 1985 May–Jun;11(3):355–9 **(Rus)**
[Factors determining geocentric orientation of pilots] Lapa VV, et al. **Kosm Biol Aviakosm Med** 1985 Jul–Aug; 19(4):19–23 (Eng. Abstr.) **(Rus)**
[Illusions of one's position in space of vestibular origin in atmospheric flight] Lapaev EV, et al. **Kosm Biol Aviakosm Med** 1985 Nov–Dec;19(6):11–5 (Eng. Abstr.) **(Rus)**
[Interhemispheric interaction during direct and reverse contralateral masking of visual stimuli in man] Aftanas LI. **Zh Vysh Nerv Deiat** 1986 Mar–Apr;36(2):385–7 **(Rus)**

SPACE–TIME CLUSTERING

see related
DISEASE OUTBREAKS

SPANISH AMERICANS see **HISPANIC AMERICANS**

SPARGANOSIS

VETERINARY

Sparganosis in a saddle–back tamarin: another case of viral–induced proliferation? Gardiner CH, et al. **J Wildl Dis** 1986 Jul;22(3):437–9

SPARSOMYCIN see under **ANTIBIOTICS, ANTINEOPLASTIC**

SPARTEINE

ANALYSIS

A sensitive capillary GC assay for the determination of sparteine oxidation products in microsomal fractions of human liver. Osikowska–Evers BA, et al. **Life Sci** 1986 May 12;38(19):1775–82

BLOOD

Pharmacokinetics of N–propylajmaline in relation to polymorphic sparteine oxidation. Zekorn C, et al. **Klin Wochenschr** 1985 Nov 15;63(22):1180–6

METABOLISM

Sparteine oxidation polymorphism in Denmark. Brøsen K, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Nov; 57(5):357–60
No evidence for the presence of poor metabolizers of sparteine in an Amerindian group: the Cunas of Panama [letter] Arias TD, et al. **Br J Clin Pharmacol** 1986 May; 21(5):547–8
Sparteine oxidation polymorphism: a family study. Brøsen K, et al. **Br J Clin Pharmacol** 1986 Jun;21(6):661–7
The influence of enzyme induction on polymorphic sparteine oxidation. Eichelbaum M, et al. **Br J Clin Pharmacol** 1986 Jul;22(1):49–53
A simple borohydride/GC method for measuring sparteine metabolites in man. Inaba T, et al. **Br J Clin Pharmacol** 1986 May;21(5):473–80
Debrisoquine/sparteine–type polymorphism of drug oxidation. Purification and characterization of two functionally different human liver cytochrome P–450 isozymes involved in impaired hydroxylation of the prototype substrate bufuralol. Gut J, et al. **J Biol Chem** 1986 Sep 5;261(25):11734–43
The relationship between the acetylator and the sparteine hydroxylation polymorphisms. Harmer D, et al. **J Med Genet** 1986 Apr;23(2):155–6
Polymorphic oxidation of debrisoquine and sparteine. Eichelbaum M. **Prog Clin Biol Res** 1986;214:157–67 (36 ref.)
The debrisoquine/sparteine oxidation polymorphism: evidence of genetic heterogeneity among Ghanaians. Woolhouse NM. **Prog Clin Biol Res** 1986;214:189–206
Benzo(a)pyrene metabolism in hepatic microsomes from female DA rats with a genetic sparteine oxidation deficiency. Schlede E, et al. **Toxicol Lett** 1985 Dec; 29(1):5–10
The genetic polymorphism of sparteine metabolism. Eichelbaum M, et al. **Xenobiotica** 1986 May;16(5):465–81

SPASM

see related
MUSCLE CRAMP
MYOTONIA

CHEMICALLY INDUCED

Carpal pedal spasms in abstinent alcoholics [letter] Worner TM. **Alcoholism (NY)** 1986 Jan–Feb;10(1):90
Severe peripheral arteriospasm following oxytocin administration. Evron S, et al. **Am J Obstet Gynecol** 1986 Sep;155(3):657–8
Severe muscle spasm during surgery [letter] Mostafa SM, et al. **Anaesthesia** 1985 Oct;40(10):1020
Extraction and partial purification of spasmogenic substances in Auerbach's plexus. Ambache N, et al. **Arch Int Pharmacodyn Ther** 1986 May;281(1):145–68
Severe central nervous system damage and profound acidosis in persons exposed to pentaborane. Yarbrough BE, et al. **J Toxicol Clin Toxicol** 1985–86;23(7–8):519–36

COMPLICATIONS

Audiometric abnormalities in hemifacial spasm. Møller MB, et al. **Audiology** 1985;24(6):396–405
Relation between flexor spasms, uninhibited detrusor contractions and anal sphincter activity. Pedersen E, et al. **J Neurol Neurosurg Psychiatry** 1986 Mar;49(3):273–7

DIAGNOSIS

Manometric diagnosis of sphincter of Oddi spasm as a cause of postcholecystectomy pain and the treatment by endoscopic sphincterotomy. Tanaka M, et al. **Ann Surg** 1985 Dec;202(6):712–9

Spasm of the near reflex mimicking myasthenia gravis. Rosenberg ML. **J Clin Neuro Ophthalmol** 1986 Jun; 6(2):106–8

Focal dystonia of the jaw and the differential diagnosis of unilateral jaw and masticatory spasm. Thompson PD, et al. **J Neurol Neurosurg Psychiatry** 1986 Jun;49(6):651–6

Hemifacial spasm: location of the lesion electrophysiologically [letter] Hopf HC. **Muscle Nerve** 1984 Nov–Dec;7(9):733–4

Convergence spasm. Sarkies NJ, et al. **Trans Ophthalmol Soc UK** 1985;104 (Pt 7):782–6

DRUG THERAPY

Treatment of facial spasm with oculinum (Clostridium botulinum toxin): a preliminary report. Biglan AW, et al. **Am J Otol** 1986 Jan;7(1):65–70

A comparative study of two antispasmodic products: Buscopan and NO–Spa. Maitai CK, et al. **East Afr Med J** 1985 Jul;62(7):480–5

Management of hemifacial spasm with clonazepam [letter] Herzberg L. **Neurology** 1985 Nov;35(11):1676–7

Fenoverine: a two-step, double-blind and open clinical assessments of its smooth muscle synchronizing effects. Bader F. **Pharmatherapeutica** 1986;4(7):422–8

Resolution of experimental microvascular spasm and improvement in anastomotic patency by direct topical agent application. Geter RK, et al. **Plast Reconstr Surg** 1986 Jan;77(1):105–15

ETIOLOGY

Spasmodic torticollis due to neurovascular compression of the 11th nerve. Case report. Pagni CA, et al. **J Neurosurg** 1985 Nov;63(5):789–91

HTLV–I, visna, and tropical spastic paraparesis [letter] Montgomery RD. **Lancet** 1986 Jul 26;2(8500):227–8

Chemical blockade of the reticuloendothelial system results in arteriolar spasms: possible role of endothelial cells. Altura BM, et al. **Microcire Endothelium Lymphatics** 1985 Apr;2(2):151–9

Hemifacial spasm in sleep. Montagna P, et al. **Neurology** 1986 Feb;36(2):270–3

Profound cerebral vasospasm without radiological evidence of subarachnoid hemorrhage: case report. Grady MS, et al. **Neurosurgery** 1986 May;18(5):653–9

Trigeminal neuralgia and hemifacial spasm caused by a tortuous vertebrobasilar system. Takamiya Y, et al. **Surg Neurol** 1985 Nov;24(5):559–62

[Synchronized hemifacial spasm induced by sour: stimulation] Yamamoto Y, et al. **No Shinkei Geka** 1985 Aug; 13(8):895–901 (Eng. Abstr.) **(Jpn)**

[Facial hemispasm] Golubev VL, et al. **Zh Nevropatol Psikhiatr** 1985;85(12):1778–83 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

The axial spasm—the predominant type of drop seizure in patients with secondary generalized epilepsy. Egli M, et al. **Epilepsia** 1985 Sep–Oct;26(5):401–15

Physiological abnormalities in hemifacial spasm studied during microvascular decompression operations. Møller AR, et al. **Exp Neurol** 1986 Sep;93(3):584–600

Primary hemifacial spasm: a neurophysiological study. Esteban A, et al. **J Neurol Neurosurg Psychiatry** 1986 Jan; 49(1):58–63

Blink reflex in patients with hemifacial spasm. Observations during microvascular decompression operations. Møller AR, et al. **J Neurol Sci** 1986 Feb;72(2–3):171–82

Electrophysiology of the facial nerve in hemifacial spasm: ectopic/ephaptic excitation. Nielsen VK. **Muscle Nerve** 1985 Sep;8(7):545–55 (61 ref.)

Hemifacial spasm: difficulties in locating the lesion electrophysiologically [letter] Nielsen VK, et al. **Muscle Nerve** 1984 Oct;7(8):682–3

Pathophysiology of hemifacial spasm [letter] Ravits J, et al. **Neurology** 1986 Apr;36(4):591–3

[Electrophysiologic studies on hemifacial spasm] Chang MK. **Taiwan I Hsueh Hui Tsa Chih** 1985 Dec;84(12):1349–57 (Eng. Abstr.) **(Chi)**

PREVENTION & CONTROL

[Preventive use of lignocaine against laryngeal spasm after extubation] Wisborg T, et al. **Ugeskr Laeger** 1986 Jun 16; 148(25):1537–9 (Eng. Abstr.) **(Dan)**

SURGERY

Intracranial microvascular decompression for "cryptogenic" hemifacial spasm, trigeminal and glossopharyngeal neuralgia, paroxysmal vertigo and tinnitus: I. Surgical technique and results. Calbucci F, et al. **Ital J Neurol Sci** 1986 Jun;7(3):359–66

Intracranial microvascular decompression for "cryptogenic" hemifacial spasm, trigeminal and glossopharyngeal neuralgia, paroxysmal vertigo and tinnitus: II. Clinical study and long-term follow up. Michelucci R, et al. **Ital J Neurol Sci** 1986 Jun;7(3):367–74

Evaluation and treatment of hemifacial spasm. Colbassani H Jr, et al. **J Med Assoc Ga** 1985 Aug;74(8):576–81

Hypoglossal–facial nerve anastomosis: a clinical and electrophysiological follow-up. Iansek R, et al. **J Neurol Neurosurg Psychiatry** 1986 May;49(5):588–90

Resolution of hemifacial spasm after posterior fossa exploration without vascular decompression. Aoki N, et al. **Neurosurgery** 1986 Apr;18(4):478–9

[Radiofrequency-controlled thermocoagulation of the facial nerve in the treatment of primary facial spasm] Zhang JG. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Sep;20(5):266–9, 317–8 (Eng. Abstr.) **(Chi)**

[Posterior fossa microvascular decompression for hemifacial spasm and trigeminal neuralgia—some improvements on operative devices and technique] Hongo K, et al. **No Shinkei Geka** 1985 Dec;13(12):1291–6 (Eng. Abstr.) **(Jpn)**

[Importance of intraoperative monitoring of ABR and compound action potential of the eighth cranial nerve during microvascular decompression surgery] Nishihara K, et al. **No Shinkei Geka** 1986 Mar;14(4):509–18 (Eng. Abstr.) **(Jpn)**

THERAPY

Bipolar spinal cord stimulation for spasmodic torticollis. Dieckmann G, et al. **Appl Neurophysiol** 1985; 48(1–6):339–46

Electrogalvanic stimulation in the treatment of levator syndrome. Oliver GC, et al. **Dis Colon Rectum** 1985 Sep; 28(9):662–3

Botulinum toxin treatment of hemifacial spasm. Elston JS. **J Neurol Neurosurg Psychiatry** 1986 Jul;49(7):827–9

Clinical application of Botulinum A toxin to spastic disorders of the eye and the head and neck region [letter] Spector GJ. **Laryngoscope** 1986 May;96(5):583

Hemifacial spasm: results of microvascular decompression of the facial nerve in 54 patients. Auger RG, et al. **Mayo Clin Proc** 1986 Aug;61(8):640–4

Treatment of essential blepharospasm and hemifacial spasm by selective sections of the facial nerve. Gersdorff M, et al. **Rev Laryngol Otol Rhinol (Bord)** 1986;107(1):65–7

[Facial nerve block in front of the ear in the treatment of facial spasm] Zhang QL. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1984 Dec; 17(6):348–50 (Eng. Abstr.) **(Chi)**

[Spasmolytic effects of traumatic intervention on the facial nerve as treatment of hemifacial spasm] Takahashi T. **Masui** 1985 Sep;34(9):1258–62 (Eng. Abstr.) **(Jpn)**

SPASMOLYTICS see PARASYMPATHOLYTICS

SPASMOPHILIA see TETANY

SPASMS, INFANTILE

CEREBROSPINAL FLUID

Reduced ACTH content in cerebrospinal fluid of children affected by cryptogenic infantile spasms with hypsarrhythmia. Nalin A, et al. **Epilepsia** 1985 Sep–Oct; 26(5):446–9

COMPLICATIONS

[Involvement of biologic and psychosocial risk factors in the etiologic structure of child development disorders] Donczik J, et al. **Padiatr Grenzgeb** 1985;24(5):409–14 (Eng. Abstr.) **(Ger)**

[Idiopathic focal glomerulosclerosis in West syndrome. Observation of a case] Volpi A, et al. **Minerva Urol Nefrol** 1985 Jul–Sep;37(3):255–60 (Eng. Abstr.) **(Ita)**

[Aicardi syndrome: an unusual association of neoplastic or cystic lesions] Nishimura S, et al. **No To Hattatsu** 1986 May;18(3):217–22 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Aicardi syndrome. Report of 6 cases and a review of Japanese literature. Yamamoto N, et al. **Brain Dev** 1985;7(4):443–9

Natural history of hypsarhythmia. Hughes JR. **Clin Electroencephalogr** 1985 Jul;16(3):128–30

Infantile spasms. Glaze DG, et al. **Curr Probl Pediatr** 1985 Nov;15(11):1–39

[Longitudinal study of foci of peak potentials in children followed since birth (premature and newborn infants at term)] Dreyfus–Brisac C, et al. **Psychiatr Neurol Med Psychol Beih** 1970;13–14:202–11 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Serum steroids and success of corticotropin therapy in infantile spasms. Riikonen R, et al. **Acta Paediatr Scand** 1986 Jul;75(4):598–600

Fatal Pneumocystis pneumonia from ACTH therapy for infantile spasms [letter] Goetting MG. **Ann Neurol** 1986 Mar;19(3):307–8

Adrenocortical hyporesponsiveness after treatment with ACTH of infantile spasms. Perheentupa J, et al. **Arch Dis Child** 1986 Aug;61(8):750–3

Suppressive action of ACTH on growth hormone secretion in patients with infantile spasms. Izumi T, et al. **Brain Dev** 1985;7(6):636–9

West's syndrome and its treatment. Sorel L. **Clin Electroencephalogr** 1985 Jul;16(3):122–7

Anticonvulsants in the newborn period. Buchanan N. **Indian J Pediatr** 1985 Sep–Oct;52(418):513–26

High dose B6 treatment in infantile spasms. Blennow G, et al. **Neuropediatrics** 1986 Feb;17(1):7–10

[Therapy of infantile spasms (West syndrome) with sodium dipropylacetate] Pavone L, et al. **Pediatr Med Chir** 1985 Sep–Oct;7(5):703–6 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Myoclonic encephalopathy of infants. Lott I, et al. **Adv Neurol** 1986;43:127–36

Infection as a possible etiology of hypsarrhythmia. Hughes JR, et al. **Clin Electroencephalogr** 1986 Apr;17(2):78–81

[Unilateral hemispheric neoplasm and infantile spasms] Miyake S, et al. **No To Hattatsu** 1986 Jul;18(4):316–21 (Eng. Abstr.) **(Jpn)**

[Convulsions in children. Diagnosis of metabolic causes] Knudtzon J, et al. **Tidsskr Nor Laegeforen** 1986 Feb 20; 106(5):413–5 (Eng. Abstr.) **(Nor)**

[Aicardi's syndrome. Presentation of 4 cases and new associated abnormalities] Moreno JA, et al. **An Esp Pediatr** 1986 Jan;24(1):53–8 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Infantile spasms syndrome in monozygotic twins. A 7-year follow-up. Pavone L, et al. **Ital J Neurol Sci** 1985 Dec; 6(4):503–6

The syndrome of benign familial neonatal seizures. Christodorescu D. **Neurol Psychiatr (Bucur)** 1985 Jul–Sep; 23(3):207–9

[Infantile spasm in 2 monozygotic twins. A new case (letter)] Senga P, et al. **Presse Med** 1986 Mar 8;15(10):485 **(Fre)**

IMMUNOLOGY

Impairment of polymorphonuclear leucocyte function during therapy with synthetic ACTH in children affected by epileptic encephalopathies. Colleselli P, et al. **Acta Paediatr Scand** 1986 Jan;75(1):159–63

OCCURRENCE

The diminishing incidence of hypsarrhythmia. Hughes JR, et al. **Clin Electroencephalogr** 1985 Oct;16(4):178–82

PHYSIOPATHOLOGY

Myoclonic epilepsies of infancy and childhood. Aicardi J. **Adv Neurol** 1986;43:11–31 (88 ref.)

Benign myoclonus of early infancy or benign non–epileptic infantile spasms. Dravet C, et al. **Neuropediatrics** 1986 Feb; 17(1):33–8

[The cholinergic system in the pathophysiology of infantile spasms (West syndrome)] Rektor I, et al. **Cesk Neurol Neurochir** 1986 Mar;49(2):109–15 (Eng. Abstr.) **(Cze)**

SPASTICITY, MUSCLE see MUSCLE SPASTICITY

SPATIAL BEHAVIOR

Delayed spatial response alternation: effects of delay–interval duration and lesions of the medial prefrontal cortex on response accuracy of male and female Wistar rats. van Haaren F, et al. **Behav Brain Res** 1985 Oct–Nov;18(1):41–9

Interocular transfer of learning in the pigeon: visuo–motor integration and separation of discriminanda and manipulanda. Watanabe S. **Behav Brain Res** 1986 Mar; 19(3):227–32

Dopamine depletion, stimulation or blockade in the rat disrupts spatial navigation and locomotion dependent upon beacon or distal cues. Whishaw IQ, et al. **Behav Brain Res** 1985 Oct–Nov;18(1):11–29

Hippocampal stimulation disrupts spatial working memory even 8 h after acquisition. Knowlton B, et al. **Behav Neural Biol** 1985 Sep;44(2):325–37

Disturbances in exploratory behavior and functional recovery in the Y and radial mazes following dopamine depletion of the lateral septum. Taghzouti K, et al. **Behav Neural Biol** 1986 Jan;45(1):48–56

Unilateral spatial neglect and defective performance in one half of space. Halsband U, et al. **Int J Neurosci** 1985 Dec; 28(3–4):173–95

Effect of space allowance and tylosin feeding on performance of growing–finishing pigs. NCR–89 Committee on Confinement Management of Swine. **J Anim Sci** 1986 Apr; 62(4):871–4

Do infants reach for perceived objects? A reply to Stiles–Davis. Spelke ES, et al. **J Exp Psychol [Gen]** 1986 Mar;115(1):98–100

Comment on Hofsten and Spelke, object perception and object–directed reaching in infancy. Stiles–Davis J. **J Exp Psychol [Gen]** 1986 Mar;115(1):96–7

Interpersonal distance: a factor in infectious disease morbidity and mortality? Gerace TA, et al. **Med Hypotheses** 1985 Jul;17(3):271–5

Left spatial neglect: effects of lesion size and premorbid brain atrophy on severity and recovery following right cerebral infarction. Levine DN, et al. **Neurology** 1986 Mar; 36(3):362–6

Radial maze in the water tank: an aversively motivated spatial

working memory task. Burešová O, et al. **Physiol Behav** 1985 Jun;34(6):1003–5

A simple rapid swim test to determine spatial preference in the rat. West CA, et al. **Physiol Behav** 1986;36(2):393–5

Formation of a place learning-set by the rat: a new paradigm for neurobehavioral studies. Whishaw IQ. **Physiol Behav** 1985 Jul;35(1):139–43

The analyst's space. Kurtz SA. **Psychoanal Rev** 1986 Spring; 73(1):41–55

Seating arrangement and state anxiety as related to performance on Digit Span and Digit Symbol of the Wechsler Adult Intelligence Scale. Steyaert JP, et al. **Psychol Rep** 1985 Dec;57(3 Pt 1):807–12

[Role of emotional excitation in mechanisms of spatial short-term memory in lower monkeys] Bakuradze AN, et al. **Fiziol Zh SSSR** 1985 Dec;71(12):1473–9 (Eng. Abstr.) (Rus)

[Characteristics of the activity of prefrontal cortex neurons during spatially delayed reactions in the monkey] Naneishvili TL, et al. **Fiziol Zh SSSR** 1985 Dec; 71(12):1488–94 (Eng. Abstr.) (Rus)

[Change in the functional significance of structures of the cat brain as a result of reorganization of its activity] Belenkov NIu, et al. **Zh Vyssh Nerv Deiat** 1985 Nov–Dec; 35(6):1062–7 (Eng. Abstr.) (Rus)

[Participation of the caudate nucleus in estimating time intervals and space–time differentiation in the rat] Mering TA, et al. **Zh Vyssh Nerv Deiat** 1985 Nov–Dec;35(6):1166–8 (Rus)

[Delayed spatial choice in the monkey with different probabilities of signal presentation] Nikitin VS. **Zh Vyssh Nerv Deiat** 1985 Sep–Oct;35(5):968–70 (Rus)

DRUG EFFECTS

Pesticide–drug interaction in rats. Fenyvesi G, et al. **Arch Toxicol [Suppl]** 1985;8:269–71

Learning impairments after 6-OHDA treatment: a comparison with the effects of thiamine deficiency. Anderson CD, et al. **Behav Brain Res** 1986 Jul;21(1):21–7

Preference conditioning produced by opioid active and inactive isomers of levorphanol and morphine in rat. Mucha RF, et al. **Life Sci** 1986 Jan 20;38(3):241–9

Lateralized and compulsive exteroceptive orientation in rats treated with apomorphine. Pisa M, et al. **Neurosci Lett** 1986 Feb 14;64(1):41–6

Effects of d-amphetamine on grooming and proximity in stumptail macaques: differential effects on social bonds. Peffer PG, et al. **Pharmacol Biochem Behav** 1986 Apr; 24(4):1025–30

Effects of alcohol on radial maze performance in rats. Gibson WE. **Physiol Behav** 1985 Dec;35(6):1003–5

[Repellence of various insecticides for Musca domestica] Scirocchi A, et al. **Ann Ist Super Sanita** 1986;22(1):311–3 (Eng. Abstr.) (Ita)

PHYSIOLOGY

Spatial learning and memory, maze running strategies and cholinergic mechanisms in two inbred strains of mice. Ammassari-Teule M, et al. **Behav Brain Res** 1985 Sep; 17(1):9–16

A right hemispatial field advantage on a verbal free-vision task. Levy J, et al. **Brain Lang** 1986 Jan;27(1):24–37

Goal-directed arm movements in absence of visual guidance: evidence for amplitude rather than position control. Bock O, et al. **Exp Brain Res** 1986;62(3):451–8

[Attention and spatial coding of visual stimuli] Nicoletti R, et al. **Boll Soc Ital Biol Sper** 1985 Oct 30;61(10):1485–91 (Eng. Abstr.) (Ita)

SPECIALISM

Summary of petition requesting recognition of clinical pharmacy as a specialty. Committee on Clinical Pharmacy as a Specialty. **Am J Hosp Pharm** 1986 May;43(5):1267–77

Specialization [editorial] Zellmer WA. **Am J Hosp Pharm** 1986 May;43(5):1191

Starting a pediatric pharmacy practice—an interview with Robert Sample. Sample R. **Am Pharm** 1986 May; NS26(5):35–9

The general surgeon [letter] **Br Med J [Clin Res]** 1986 Apr 5;292(6525):955–6

Difficulties experienced by medical students in choosing a specialty. Savickas ML, et al. **J Med Educ** 1986 Jun; 61(6):467–9

The pediatric intensivists' viewpoint [letter] **Pediatrics** 1986 Jul;78(1):181–2

Team approach in mental health services: generalists or specialists? Shaw SJ, et al. **Percept Mot Skills** 1985 Oct; 61(2):423–32

Tropical (surgical) gastroenterology? [editorial] **Trop Gastroenterol** 1985 Jul–Sep;6(3):117–8

Specialisation [letter] Cooke M. **Vet Rec** 1985 Dec 14; 117(24):647

[A special comparative pathology] Zwart P. **Tijdschr Diergeneeskd** 1986 Apr 1;111(7):325–33 (Eng. Abstr.) (Dut)

[Activities of veterinary biologists. The special case of food microbiology] Jacquet J. **Bull Mem Acad R Med Belg** 1985; 140(1–3):159–68 (Eng. Abstr.) (Fre)

[Specialization in medicine from the standpoint of health needs] **Cah Sociol Demogr Med** 1985 Oct–Dec;25(4):329–77 (Fre)

[The division of labor in medicine] Bauer G. **Wien Med Wochenschr** 1986 May 15;136(9):193–201 (Eng. Abstr.) (Ger)

[Apropos of the article by L.S. Rozenshtraukh "Radiation diagnosis—directions, tasks, outlook"] Alzenshtat AI. **Vestn Rentgenol Radiol** 1985 Nov–Dec;(6):77–8 (Rus)

[Medical diagnostic imaging as a basis for radiation diagnosis (diagnostic radiology)] Koroliuk IP. **Vestn Rentgenol Radiol** 1985 Nov–Dec;(6):5–10 (Rus)

[The general pediatrician. A vanishing species?] Torreblanca Prieto J. **An Esp Pediatr** 1986 Feb;24(2):137–8 (Spa)

TRENDS

A holistic approach to specialization. Slaymaker JH. **Am J Occup Ther** 1986 Feb;40(2):117–21

An occupational analysis of counseling psychology. How special is the specialty? Fitzgerald LF, et al. **Am Psychol** 1986 May;41(5):535–44

Geriatrician: a specialist and proud [editorial] Millard PH. **Br J Hosp Med** 1986 Jan;35(1):5

Specialization within hospital pharmacy [editorial] Francke DE. **Drug Intell Clin Pharm** 1986 Apr;20(4):274–5

Specialization in pharmacy [editorial] Francke DE. **Drug Intell Clin Pharm** 1986 Apr;20(4):275

Clinical pharmacy and clinical pharmacology [letter] Pagliaro LA. **Drug Intell Clin Pharm** 1986 Jul–Aug; 20(7–8):626

Perspectives on medical specialization [editorial] Schondelmeyer SW, et al. **Drug Intell Clin Pharm** 1986 Apr;20(4):274

Changing patterns in the medical laboratory [editorial] Farr AD. **Med Lab Sci** 1985 Apr;42(2):113–4

Health profesions: the origin of species. Hofoss D. **Soc Sci Med** 1986;22(2):201–9

Specialisation [letter] Ward WR. **Vet Rec** 1985 Nov 9; 117(19):506

[The specialty of poultry diseases—status determination and future perspectives] Kösters J, et al. **DTW** 1986 Jan 7; 93(1):42–4 (Eng. Abstr.) (Ger)

[Specialization and integration in medicine] Buchborn E. **Internist (Berlin)** 1986 Apr;27(4):216–21 (Ger)

[The changed occupational picture of the internist in gastroenterology] Schunter C, et al. **Internist (Berlin)** 1986 Apr;27(4):225–30 (Ger)

[Internal medicine and its branches] Siegenthaler W. **Internist (Berlin)** 1986 Apr;27(4):222–4 (Ger)

[Is the general surgeon dying out?] Hardy JD. **Ther Umsch** 1986 Jun;43(6):498–501 (Eng. Abstr.) (Ger)

[The general surgeon] Irving M. **Ther Umsch** 1986 Jun; 43(6):494–7 (Eng. Abstr.) (Ger)

[Structure of surgery from the viewpoint of hospital administration] Müller E. **Ther Umsch** 1986 Jun;43(6):502–8 (Eng. Abstr.) (Ger)

[The area of surgery—problems caused by specialization?] Ungeheuer E, et al. **Ther Umsch** 1986 Jun;43(6):485–7 (Eng. Abstr.) (Ger)

[Accident surgery in the tension field between specialization and integration] Weller S. **Ther Umsch** 1986 Jun; 43(6):488–93 (Eng. Abstr.) (Ger)

SPECIALTIES, DENTAL

Comparison of the nature and frequency of medical problems among patients in general, specialty and hospital dental practices. Sonis ST, et al. **Ann Dent** 1982 Winter;41(2):42–5

Restorative referral [letter] **J Am Dent Assoc** 1986 Jan; 112(1):10

[Experience with the specialization and advanced training of dentists in physiotherapy] Efanov OI. **Stomatologiia (Mosk)** 1986 Mar–Apr;65(2):87–8 (Rus)

TRENDS

The future of dental public health as a specialty. Warren GB. **J Public Health Dent** 1985 Fall;45(4):238–9

SPECIALTIES, MEDICAL

The infection control practitioner and an expanding responsibility. Harkavy KL. **Am J Infect Control** 1986 Aug; 14(4):191–3

Factors in the choice of academic or practice careers in pulmonary medicine. Schraufnagel DE, et al. **Am Rev Respir Dis** 1986 May;133(5):937–41

The road to recognition [editorial] Jacobson S. **Ann Emerg Med** 1986 Jan;15(1):90

Physician approach to the recognition and initial management of hypertension. Results of a statewide survey of Maryland physicians. Cloher TP, et al. **Arch Intern Med** 1986 Mar; 146(3):529–33

Division of physician–provider time between ambulatory and in-bed patients in the various medical specialties [letter] Leibowitz S. **Arch Intern Med** 1986 Mar;146(3):602

Division of physician–provider time between ambulatory and in-bed patients in the various medical specialties [letter] Orkin FK. **Arch Intern Med** 1986 Sep;146(9):1859

Surgical critical care [editorial] Griffen WO Jr. **Arch Surg** 1986 Sep;121(9):991

How many medical specialties? [letter] González-Vicente S. **Bol Asoc Med PR** 1986 Jan;78(1):33–4

Oral surgeons: doctors or dentists? [letter] **Br Dent J** 1986 Aug 23;161(4):124–5

Sexual medicine [letter] **Can Med Assoc J** 1985 Oct 1; 133(7):643–4

Rehabilitation medicine: is it new? [letter] Finestone HM. **Can Med Assoc J** 1986 Feb 1;134(3):213

Postgraduate training for family practice and the specialties [letter] Klimek E. **Can Med Assoc J** 1986 Feb 1; 134(3):211–2

Relative costs of specialist services in a family practice population. Norton PG, et al. **Can Med Assoc J** 1985 Oct 15;133(8):759–61

Allergy and pulmonary. In concert or at odds? Patterson R, et al. **Chest** 1986 Aug;90(2):282–4

Critical care medicine [editorial] Weil MH. **Crit Care Med** 1985 Dec;13(12):1004

Medical education indebtedness: does it affect physician specialty choice? Bazzoli GJ. **Health Aff (Millwood)** 1985 Summer;4(2):98–104

Team practice by subspecializing general internists. Berken A. **Hosp Pract [Off]** 1986 Feb 15;21(2):10, 13, 17

The subspecialty of pediatric dermatology. Honig PJ, et al. **J Am Acad Dermatol** 1986 Jul;15(1):123–6

The bell tolls for the infectious diseases clinician [editorial] Ervin FR. **J Infect Dis** 1986 Feb;153(2):183–8

Whither infectious diseases? Memories, manpower, and money. Petersdorf RG. **J Infect Dis** 1986 Feb;153(2):189–95

Whither infectious diseases, continued [letter] Spotkov JM, et al. **J Infect Dis** 1986 Sep;154(3):535–8

Specialty choice of black physicians. Bowman MA. **J Natl Med Assoc** 1986 Jan;78(1):13–5

The specialist contribution to the care of the terminally ill patient: support or substitution? [editorial] Pugsley R, et al. **J R Coll Gen Pract** 1986 Aug;36(289):347–8

Community general practitioner. Mant D, et al. **Lancet** 1985 Nov 16;2(8464):1114–7

Fewer specialties please [letter] Watts GT. **Lancet** 1985 Nov 23;2(8465):1192

Career attitudes of preclinical medical students to the medical specialties. Furnham A. **Med Educ** 1986 Jul;20(4):286–300

Choosing a career: the undergraduate dilemma. Dobson B. **Med Teach** 1986;8(1):75–80

Associations can hire PSG's administrative services. Greenhoe SW. **Mich Med** 1986 Jul;85(7):368

Addictionology: why medicine needs this newest specialty. Kennedy WJ. **Ohio State Med J** 1986 Aug;82(8):491, 493

An analysis of medical students' residency and specialty choices. Wartman SA, et al. **Proc Annu Conf Res Med Educ** 1985;24:111–5

Career advice for medical students. Calman KC, et al. **Scott Med J** 1986 Jan;31(1):5–9

[Reproduction medicine—a new area of medicine] Raboch J. **Cas Lek Cesk** 1986 Apr 18;125(16):494–5 (Eng. Abstr.) (Cze)

[Thoughts on the present status and the future of Czechoslovak diabetology] Syllaba J. **Cas Lek Cesk** 1986 Feb 28;125(9):279–80 (Cze)

[Phlebology consultation services open to physicians] **Phlebologie** 1986 Jan–Mar;39(1):XXX–XXXV (Fre)

[Phlebology consultation services open to physicians] **Phlebologie** 1986 Apr–Jun;39(2):XXX–XXXV (Fre)

[The symbol of the French Society of Phlebology] Ouvry P. **Phlebologie** 1986 Jan–Mar;39(1):VII–X (Fre)

[From alcoholism to alcohology. Relations with internal medicine] Hillemand B, et al. **Rev Med Interne** 1985 Oct; 6(4):361–72 (Fre)

[The orbit, multidisciplinary crossroads] Ducrey N. **Rev Med Suisse Romande** 1986 May;106(5):471–2 (Fre)

[Psychotherapy, a disputed medical discipline] Gilliéron E. **Rev Med Suisse Romande** 1986 May;106(5):459–70 (Fre)

[Relation between psychiatry and other medical specialties (letter)] **Orv Hetil** 1986 May 4;127(18):1109–11P6 (Hun)

[Physicians' continuing and postgraduate education. Specialty education—from collegial advertisement stories to law-based specialist competence] Skoglund E. **Tidsskr Nor Laegeforen** 1986 May 25;106(14):1220–6 (Nor)

[Increased role of pathologists in the professional training of young scientists and specialists] Paukov VS. **Arkh Patol** 1986;48(4):9–13 (Rus)

[Principles of recruiting physician groups for advanced training lecture series in phthisiatrics] Smirnov GA, et al. **Probl Tuberk** 1985;(12):10–3 (Eng. Abstr.) (Rus)

[Development of the system of specialization and advanced training of public health physicians in our country] Murav'ev MV. **Sov Zdravookhr** 1985;(10):67–71 (Rus)

[Cooperation between the general practitioner and other specialists] Klimo F. **Cesk Zdrav** 1986 Jul;34(6–7):265–70 (Eng. Abstr.) (Slo)

[Certification of medical specialists (editorial)] Donoso Infante A. **Rev Med Chil** 1985 Aug;113(8):787–8 (Spa)

[Certification for specialists: the fruit of a consensus] Rosselot E. **Rev Med Chil** 1985 Aug;113(8):806–12 (Eng. Abstr.) (Spa)

ECONOMICS

Survey targets physician-revenue link. Riffer J. **Hospitals** 1986 Jan 20;60(2):84

Specialty costing: a new perspective. Pugh RG. **NZ Med J** 1985 Dec 11;98(792):1040–3

EDUCATION

General internal medicine and higher medical training

[editorial] Cohen RD. **Br J Hosp Med** 1986 Feb;35(2):75
Postgraduate training for family practice and the specialties: there are enough positions. McWhinney IR, et al. **Can Med Assoc J** 1985 Nov 15;133(10):967–8
'Orphan' doctors [letter] Rivin AU. **J Med Educ** 1985 Oct; 60(10):816

HISTORY

[The contribution of gynecologists to sexology] Hynie J. **Cesk Gynekol** 1986 Mar;51(2):120–1 (Cze)

MANPOWER

Distributional change in physician manpower, United States, 1963–80. McConnel CE, et al. **Am J Public Health** 1986 Jun;76(6):638–42
The making of a medical generalist. Schroeder SA. **Health Aff (Millwood)** 1985 Summer;4(2):22–46 (46 ref.)
Career plans of women and minority physicians: implications for health manpower policy. Adams EK, et al. **J Am Med Wom Assoc** 1986 Jan–Feb;41(1):17–20
Career preferences of the 1984 medical graduates of Sri Lanka. Karalliedde LD, et al. **Med Educ** 1986 Jan; 20(1):64–8
The market structure of residency training [letter] **N Engl J Med** 1986 Aug 21;315(8):521–2
[A national survey: the respiratory specialist and allergology] Charpin D, et al. **Rev Mal Respir** 1986;3(2):87–92 (Eng. Abstr.) (Fre)
[Demographic and professional characteristics of physicians studying at institutes for advanced training] Khmyrov AB, et al. **Sov Zdravookhr** 1985;(12):32–5 (Rus)

STANDARDS

Special report: AMSAODD: plan for certification of members, 1985–1986. Bean–Bayog M, et al. **Alcoholism (NY)** 1985 Sep–Oct;5(5):390–2
Postgraduate certification in alcohol and drug dependence. Galanter M. **Alcoholism (NY)** 1985 Sep–Oct;9(5):387–9
Subspecialty certification in Critical Care Medicine by American specialty boards. Grenvik A. **Crit Care Med** 1985 Dec;13(12):1001–3

TRENDS

Accreditation: who needs it? Lister J. **Br J Hosp Med** 1985 Dec;34(6):323
Computer use in the medical specialties. Sakwa N, et al. **Clin Plast Surg** 1986 Jul;13(3):493–6
Group practice: what's the attraction? Sandrick K. **Hospitals** 1986 Apr 5;60(7):46–50
[Cooperation between general physicians and specialists of other disciplines in the interests of increasing the quality and effectiveness of basic medical care] Grethe H. **Z Arztl Fortbild (Jena)** 1985;79(14):597–600 (Ger)
[Population biology of parasites: current status and prospects] Kennedi KR. **Parazitologiia** 1985 Sep–Oct;19(5):347–55 (Eng. Abstr.) (Rus)
[Development of pediatric pulmonology in the Ukrainian SSR] Motuz TA. **Pediatriia** 1986 Apr;(4):72–6 (Rus)
[Specialization of therapeutic polyclinic services and problems in the training of staff physicians (scientific review)] Mindlin IaS, et al. **Sov Zdravookhr** 1986;(6):34–40 (60 ref.) (Rus)
[The role of young people in the struggle for peace, training of young specialists and increasing their creative activities] Chechinashvili SN. **Vestn Otorinolaringol** 1985 Jul–Aug; (4):3–5 (Rus)

SPECIALTIES, NURSING

The nursing profession does not need two Federations [editorial] Palmer PN. **AORN J** 1986 Apr;43(4):784, 786
Research attitudes, activities, and competence of OGN nurses. Killien M. **Birth Defects** 1985;21(3):89–101
Occupational ideology and clinical decision-making in British nursing. Rhodes B. **Int J Nurs Stud** 1985; 22(3):241–57
Managing the transition to a neuroscience unit. Condi JK, et al. **J Neurosci Nurs** 1986 Aug;18(4):200–5
Pulmonary nurse specialists: preparation for the advanced practice role. Norton LC, et al. **J Nurs Educ** 1986 Jun; 25(6):230–5

EDUCATION

Critical care nursing education: an overview. Roberts WL, et al. **Heart Lung** 1986 Mar;15(2):115–26 (70 ref.)

HISTORY

Aspects of the historical development of neuroscience nursing. Hartahorn JC. **J Neurosci Nurs** 1986 Feb; 18(1):45–8

MANPOWER

The obsolete RANA [letter] Henwood JK. **Vet Rec** 1986 Apr 5;118(14):407
Changing role of the veterinary nurse. MacArthur J. **Vet Rec** 1986 Apr 5;118(14):379–80

TRENDS

OGN nursing research directions: the health policy perspective. Collins JB. **Birth Defects** 1985;21(3):5–16
Creativity: survival in turbulent times. Kuhn R. **Heart Lung** 1986 May;15(3):21A–31A
Searching for solutions [editorial] Barker E. **J Neurosci Nurs** 1986 Jun;18(3):111

SPECIALTIES, SURGICAL

The influence of surgical specialty and caseload on the results of carotid endarterectomy. Kempczinski RF, et al. **J Vasc Surg** 1986 Jun;3(6):911–6
Career development of residents in university and independent training programs: the influence of special training fellowships, type of practice, specialization, and research. Greco RS, et al. **Surgery** 1986 Aug;100(2):312–20

MANPOWER

Specialization in general surgery [editorial] Ham JM. **Aust NZ J Surg** 1986 May;56(5):385–6

TRENDS

[Developments in surgery together with its ethical and social background] Turunen MI. **Duodecim** 1985;101(16):1576–81 (Fin)
[Role of mobile cycles of advanced training of surgeons in the development of specialized surgical services] Nikishin VK, et al. **Vestn Khir** 1985 Jun;134(6):142–4 (Rus)

SPECIALTY BOARDS see under CERTIFICATION

SPECIES SPECIFICITY

Strain-specific differences in levels of the mRNA for the epinephrine synthesizing enzyme phenylethanolamine N-methyltransferase. Evinger MJ, et al. **Brain Res** 1986 Jul;387(1):63–73
Toxic effects of chemicals: difficulties in extrapolating data from animals to man. Garattini S. **CRC Crit Rev Toxicol** 1985;16(1):1–29 (166 ref.)
Infanticide by virgin CF-1 and wild male house mice (Mus musculus): effects of age, prolonged isolation, and testing procedure. McCarthy MM, et al. **Dev Psychobiol** 1986 May; 19(3):279–90
Temporal integration in two species of Old World monkeys: blue monkeys (Cercopithecus mitis) and grey-cheeked mangabeys (Cercocebus albigena). Brown CH, et al. **J Acoust Soc Am** 1986 Apr;79(4):1058–64
Demonstration of the specific binding of bovine transferrin to the human transferrin receptor in K562 cells: evidence for interspecies transferrin internalization. Tsavaler L, et al. **J Cell Physiol** 1986 Jul;128(1):1–8
Social interaction with siblings is necessary for visual imprinting of species-specific maternal preferences in ducklings (Anas platyrhynchos). Lickliter R, et al. **J Comp Psychol** 1985 Dec;99(4):371–9
Perception of species-specific contact calls by budgerigars (Melopsittacus undulatus). Park TJ, et al. **J Comp Psychol** 1985 Dec;99(4):391–402
A new symmetry: A anti-B is anti-(B anti-A), and reverse enhancement. Hoffmann GW, et al. **J Immunol** 1986 Jul 1;137(1):61–8
Allotypy of the rabbit kappa 2 light chain: evidence that the kappa 2 isotype is expressed by all members of the rabbit species. Marrakchi R, et al. **J Immunol** 1986 May 1;136(9):3360–4
Systematics of species referred to the genus Angiostrongylus. Ubelaker JE. **J Parasitol** 1986 Apr;72(2):237–44
The possibility of assaying Wistar rat bone marrow CFUs in a xenogeneic (rat-to-mouse) system. Fohlmeister I, et al. **Nat Immun Cell Growth Regul** 1985;4(4):221–8
Responses of albino and hooded rats to various illumination choices in a six-chambered alleyway. Woodhouse R, et al. **Percept Mot Skills** 1985 Oct;61(2):343–54
Strain differences in the radiation response of the rat heart. Lauk S. **Radiother Oncol** 1986 Apr;5(4):333–5
Species, sex, and tissue specificity in toxicologic and proliferative responses. Alden CL. **Toxicol Pathol** 1985; 13(2):135–40
The trans-cis isomerization of trans-4'-(2-hydroxy-3,5-dibromo-benzylamino)-cyclohexanol in vivo and in vitro in different species. Bauer E, et al. **Xenobiotica** 1986 Jul;16(7):625–33
Melatonin content in the pineal gland of different rat strains and stocks. Khoory R, et al. **Z Versuchstierkd** 1986; 28(3):141–6
[Differentiation of human and nonhuman primate ribs] May E, et al. **Anat Anz** 1985;160(3):179–202 (Eng. Abstr.) (Ger)

DRUG EFFECTS

Abrogation of species specificity for activation of tumoricidal properties in macrophages by recombinant mouse or human interferon-gamma encapsulated in liposomes. Fidler IJ, et al. **J Immunol** 1985 Dec;135(6):4289–96

SPECIFIC PATHOGEN FREE see under GERM-FREE LIFE

SPECIMEN HANDLING

Correspondence about handling evidence in cases of acquired immune deficiency syndrome (AIDS) [letter] Kaye JA. **Am J Forensic Med Pathol** 1986 Mar;7(1):87–8
Histologic control of biochemical steroid receptor analysis in endometrial carcinomas. Soper JT, et al. **Am J Obstet Gynecol** 1985 Nov 1;153(5):520–3
Precautions in handling tissues, fluids, and other contaminated materials from patients with documented or suspected Creutzfeldt-Jakob disease. Committee on Health Care Issues, American Neurological Association. **Ann Neurol** 1986 Jan;19(1):75–7
Reexamination of the conditions for processing and storing of blood for plasma renin assay. Matsunaga M, et al. **Clin Chim Acta** 1986 Feb 15;154(3):213–7
A simple method for the collection of human uterine flushing. Dawood MY, et al. **Fertil Steril** 1986 Jun;45(6):886–8
Endoscopic method for sampling uncontaminated small bowel juice [letter] Banai J, et al. **Gastrointest Endosc** 1986 Aug;32(4):308–9
A multi-centre study on completeness of urine collection in 11 European centres. I. Some problems with the use of creatinine and 4-aminobenzoic acid as markers of the completeness of collection. Knuiman JT, et al. **Hum Nutr Clin Nutr** 1986 May;40(3):229–37
Mass spectrometry: preparation of biologic specimens. Szabo GK, et al. **J Clin Pharmacol** 1986 Jul–Aug;26(6):400–5
Effect of simulated poor specimen handling on ELISA for rotavirus detection. Arya SC, et al. **J Commun Dis** 1986 Mar;18(1):57–8
Effects of storage on the distribution of high density lipoprotein subfractions in human sera. Franceschini G, et al. **J Lipid Res** 1985 Nov;26(11):1368–73
Boric acid in preservation of urine. Riddhimat R, et al. **J Med Assoc Thai** 1985 Sep;68(9):473–9
Efficient storage system for breath hydrogen. Murray RD, et al. **J Pediatr Gastroenterol Nutr** 1985 Oct;4(5):711–3
Incomplete 24 h urine collections [letter] Townsend JC. **NZ Med J** 1986 Apr 23;99(800):292
The effect of temperature and pH on the stability of human pepsin in stored gastric juice. A method to prevent activity loss. de Gara CJ, et al. **Scand J Gastroenterol** 1986 Aug; 21(6):650–4
Determination of chloroquine in dried blood spots on filter paper: importance of sample handling. Bergqvist Y, et al. **Ther Drug Monit** 1986;8(2):211–3
Necropsy techniques. Tissue collection and preservation. Van Alstine WC. **Vet Clin North Am Food [Food Anim Pract]** 1986 Mar; 2(1):193–8
[Reliability of HLA typing in transported blood] Májský A. **Vnitr Lek** 1986 Mar;32(3):290–4 (Cze)
[Quantitative bacteriology of sputum collected by a simple technic limiting salivary contamination] Beck G, et al. **Bull Eur Physiopathol Respir** 1982 Nov–Dec;18(6):885–92 (Eng. Abstr.) (Fre)

INSTRUMENTATION

A new appliance for the collection of human submandibular saliva. Coudert JL, et al. **Arch Oral Biol** 1986;31(6):411–3
Double-pointed 30-gauge needle for keratocentesis. Angi MR, et al. **Can J Ophthalmol** 1985 Dec;20(7):266–8
Seminal parameters of ejaculates collected from oligospermic and normospermic patients via masturbation and at intercourse with the use of a Silastic seminal fluid collection device. Zavos PM. **Fertil Steril** 1985 Oct;44(4):517–20
Chalazion curets for dermatophyte specimens [letter] Baral J. **J Am Acad Dermatol** 1986 Feb;14(2 Pt 1):283–4
Implantation of artificial spermatocele with cup-shaped prosthesis for excretory azoospermia and chemical management of aspirated spermatozoa. Yoshida H, et al. **J Androl** 1986 Jul–Aug;7(4):220–3
Device to collect fibrils of collagen from biopsies of human skin [letter] Nunez-Duran H, et al. **J Clin Pathol** 1985 Sep; 38(9):1077–8
[Wimberley's protected telescopic brush for protected distal bronchial sampling (letter)] Legros B, et al. **Ann Fr Anesth Reanim** 1986;5(2):189 (Fre)
[Measurement of urinary catecholamine excretion with the proportional sampling device (partition cup)] Mandai T, et al. **Nippon Ronen Igakkai Zasshi** 1986 Mar;23(2):189–90 (Jpn)
[A device for the quantitative collection of samples of periphyton and sediment from the walls of water reservoirs] Luczak J, et al. **Rocz Panstw Zakl Hig** 1985;36(5):400–5 (Eng. Abstr.) (Pol)
[Device for collecting bile] Vas'kov VM, et al. **Med Tekh** 1986 May–Jun;(3):43–4 (Rus)
[A device for collecting the aspirated exudate from cavities] Rudenko SV, et al. **Vestn Otorinolaringol** 1986 Jan–Feb; (1):67–8 (Rus)

METHODS

Quality control for storage and transportation of breast cancer samples for the assessment of their estrogen receptor content. Roy F, et al. **Acta Clin Belg** 1985;40(6):369–75
Trophoblast samples suitable for long-term culture. Gustavii B, et al. **Acta Obstet Gynecol Scand** 1985;64(8):661–2
Storage and transportation of lymphoid tissue for immunophenotyping. Palutke M, et al. **Am J Clin Pathol** 1986 Apr;85(4):494–7
Improving the yield of direct chorionic villus slide preparations. Bhatia B, et al. **Am J Obstet Gynecol** 1986

Feb;154(2):408–11
Measurement of urinary constituents and output using disposable napkins. Roberts SB, et al. **Arch Dis Child** 1985 Nov;60(11):1021–4
Saliva: a way to obtain specimens in an operational setting. Johnson P. **Aviat Space Environ Med** 1986 Apr;57(4):397
The isolation of human sebaceous glands and apocrine sweat glands by shearing. Kealey T, et al. **Br J Dermatol** 1986 Feb;114(2):181–8
Sweat collection from athletes. Pilardeau PA, et al. **Br J Sports Med** 1985 Dec;19(4):197–8
Reduction of mixed growth rates in urine by using a "finger tap" method of collection. Taylor MR, et al. **Br Med J [Clin Res]** 1986 Apr 12;292(6526):990
Efficacy of chlorhexidine cleansing in reducing contamination of bagged urine specimens. MacDonald NE, et al. **Can Med Assoc J** 1985 Dec 15;133(12):1211–3
In-vitro stability of human alpha-fetoprotein. Wu JT, et al. **Clin Chem** 1985 Oct;31(10):1692–7
Comparison of sampling methods for the analysis of methane in expired air. Peled Y, et al. **Clin Chim Acta** 1986 Jun 15;157(2):215–9
Collection, manipulation and freezing of haemopoietic stem cells. Gorin NC. **Clin Haematol** 1986 Feb;15(1):19–48 (166 ref.)
Two treatments of eye bank donor corneas. Farge EJ, et al. **Cornea** 1985–86;4(4):256–62
A method for inducing exocrine atrophy and collecting juice from the nonatrophied pancreas in the rat. Bodziony J, et al. **Eur Surg Res** 1985;17(5):292–300
Marrow harvesting for autologous marrow transplantation. Jin NR, et al. **Exp Hematol** 1985 Oct;13(9):879–84
Pregnancy following insemination with sperm aspirated directly from vas deferens. Bustillo M, et al. **Fertil Steril** 1986 Jul;46(1):144–6
2nd Symposium on Handling of Environmental and Biological Samples in Chromatography. October 24–25, 1985, Freiburg, West Germany. Issue dedicated to Professor J.F.K. Huber on the occasion of his sixtieth birthday. **Int J Environ Anal Chem** 1986;25(1–3):1–268
Bone allografts of femoral heads: procurement and storage. Tomford WW, et al. **J Bone Joint Surg [Am]** 1986 Apr; 68(4):534–7
Comparative study of the different methods of collection of sputum samples in tuberculous patients. Abdel Aziz A, et al. **J Egypt Public Health Assoc** 1985;60(1–2):61–9
Holding medium for cell surface phenotypic analysis. Milson TJ, et al. **J Immunol Methods** 1986 Mar 13;87(2):155–9
The role of Robertson's cooked-meat broth in the bacteriological evaluation of surgical specimens. Miles RS, et al. **J Med Microbiol** 1985 Dec;20(3):373–8
Effect of specimen preparation and section transfer techniques on the preservation of ultrastructure, lipids and elements in cryosections. Hagler HK, et al. **J Microsc** 1986 Mar;141 (Pt 3):311–7
A method for the collection of defined areas from the embryonic rat brain for cell and tissue culture. Buse E. **J Neurosci Methods** 1985 Aug;14(3):177–86
Measurement of sweat osmolality by microosmometry [letter] Gouyon JB, et al. **J Pediatr** 1986 Jun;108(6):1036–7
Transabdominal chorionic villus sampling [letter] **Lancet** 1986 Feb 22;1(8478):440–1
Obtaining specimens of discharge from the middle ear for cultures. Papastavros T, et al. **Laryngoscope** 1985 Nov; 95(11):1413–4
Survival of bacteria in swab transport packs. Human RP, et al. **Med Lab Sci** 1986 Jan;43(1):14–8
Heat treatment before biochemical analysis of AIDS risk samples [letter] van Heyningen C, et al. **Med Lab Sci** 1986 Jan;43(1):99–100
A new method of collecting nasal secretions. Holt JJ, et al. **Otolaryngol Head Neck Surg** 1986 Mar;94(3):403–4
The hydrogen (H2) breath test. Sampling methods and the influence of dietary fibre on fasting level. Brummer RJ, et al. **Scand J Gastroenterol** 1985 Oct;20(8):1007–13
[Biological monitoring of sample collections] Zao DW, et al. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1985 May; 19(3):174–5 (12 ref.) **(Chi)**
[The significance of the endocervical cells in the cervical smear and a new technic for the collection of endocervical smears] Trimbos JB, et al. **Ned Tijdschr Geneeskd** 1986 Jan 25;130(4):162–5 (Eng. Abstr.) **(Dut)**
[Experiences in the collection of preservation of human milk] Henker J, et al. **Kinderarztl Prax** 1985 Sep;53(9):435–9 (Eng. Abstr.) **(Ger)**
[Bone banks. Equipment, tissue collection, cold preservation, organization, safety] Kuner EH, et al. **Orthopade** 1986 Feb; 15(1):16–21 (Eng. Abstr.) **(Ger)**
[Collection of autologous bone transplants] Rüter A, et al. **Orthopade** 1986 Feb;15(1):10–5 (Eng. Abstr.) **(Ger)**
[Technics for postmortem removal of inner ear fluid] Lötterle J, et al. **Z Rechtsmed** 1985;95(1):45–50 (Eng. Abstr.) **(Ger)**
[Effect of specimen gathering and transport conditions on microbiologic study findings in odontogenic submucous abscesses] Schulz S, et al. **Zahn Mund Kieferheilkd** 1986; 74(3):272–6 (Eng. Abstr.) **(Ger)**
[Evaluation of methods for the determination of lead and cadmium in the blood] Buratti M. **Ann Ist Super Sanita** 1985;21(1):73–83 (Eng. Abstr.) **(Ita)**
[Urinary tract infections in premature infants: considerations on the reliability of bladder catheterization and other methods of urine collection for bacteriological study] Paci A, et al. **Pediatr Med Chir** 1983 Sep–Oct;5(5):371–9 (Eng. Abstr.) **(Ita)**
[Evaluation of various methods of preserving samples for the study of intestinal microflora] Babudieri S, et al. **Quad Sclavo Diagn** 1985 Sep;21(3):294–305 (Eng. Abstr.) **(Ita)**
[Bacteriological evaluation of materials obtained by fiberoptic bronchoscopy in cases of pulmonary infection] Hara K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Apr; 23(4):463–72 (Eng. Abstr.) **(Jpn)**
[Cytodiagnosis of lung cancer. Handling of specimens] Kobayashi Y. **Rinsho Byori** 1986 Mar;34 Spec No 66:193–213 **(Jpn)**
[Breast cytodiagnosis from the point of view of the cytoscreener. A method of taking and screening nipple discharge specimens] Nagumo S. **Rinsho Byori** 1985 Jul; Spec No 64:171–84 (7 ref.) **(Jpn)**
[Breast cytodiagnosis from the point of view of the cytoscreener. B. A method of handling specimens collected by aspiration biopsy of the breast] Yamagishi K. **Rinsho Byori** 1985 Jul;Spec No 64:185–201 (6 ref.) **(Jpn)**
[Cytodiagnosis from the surgical viewpoint. C. Technical problems of cytodiagnosis in breast aspiration biopsies] Yoshida K. **Rinsho Byori** 1985 Jul;Spec No 64:160–9 **(Jpn)**
[Comparison of 2 systems of organizing cytologic examinations in the diagnosis and prevention of cervical cancer] Pilawski Z, et al. **Ginekol Pol** 1986 Jan;57(1):68–71 (Eng. Abstr.) **(Pol)**
[Comparison of 4 methods for the isolation of Mycobacterium tuberculosis from sputum] Ferrá Salazar C, et al. **Rev Cubana Med Trop** 1984 Sep–Dec;36(3):315–25 (Eng. Abstr.) **(Spa)**

STANDARDS

Handling of environmental and biological samples via pre-column technologies. Frei RW, et al. **Int J Environ Anal Chem** 1986;25(1–3):3–35
Quality control of skin smear services in leprosy programmes: preliminary experience with inter-observer comparison in routine services. de Rijk AJ, et al. **Lepr Rev** 1985 Sep; 56(3):177–91
[Outline of the Italian program for quality control in the determination of lead and cadmium in the blood] Morisi G, et al. **Ann Ist Super Sanita** 1985;21(1):97–110 (Eng. Abstr.) **(Ita)**
[Evaluation of the preliminary results in the sphere of quality control programs for the determination of lead and cadmium in the blood] Morisi G, et al. **Ann Ist Super Sanita** 1985;21(1):131–40 (Eng. Abstr.) **(Ita)**
[Quality control for the determination of lead in the blood: results of phase I] Morisi G, et al. **Ann Ist Super Sanita** 1985;21(1):141–51 (Eng. Abstr.) **(Ita)**
[A new scheme of quality control in inter-laboratory evaluations] Taggi F, et al. **Ann Ist Super Sanita** 1985; 21(1):111–6 (Eng. Abstr.) **(Ita)**
[2 new indexes for the evaluation of results in inter-laboratory quality control] Taggi F. **Ann Ist Super Sanita** 1985;21(1):117–30 (Eng. Abstr.) **(Ita)**
[Cumulative delta check method for detecting specimen mix-up] Matsuoka A, et al. **Rinsho Byori** 1986 Feb; 34(2):221–6 **(Jpn)**
[Contribution to the complete minimal morphologic standards for the handling of mastectomy specimens] Sljapić N, et al. **Med Pregl** 1985;38(7–8):385–7 (Eng. Abstr.) **(Scr)**

VETERINARY

Biopsy—principles and specimen management. Else R. **In Pract** 1986 May;8(3):112–6
[Collection of urine samples in female cattle using the diuretic furosemide] Jablonski PP. **DTW** 1986 Feb 7;93(2):80–1 (Eng. Abstr.) **(Ger)**

SPECTACLES see **EYEGLASSES**

SPECTINOMYCIN see **ACTINOSPECTACIN**

SPECTRIN

Spectrin, human erythrocyte shapes, and mechanochemical properties. Stokke BT, et al. **Biophys J** 1986 Jan; 49(1):319–27
Effect of spectrin dimer on actin polymerization. Strömqvist M, et al. **FEBS Lett** 1985 Oct 7;190(1):15–20
Mechanisms of cytoskeletal regulation: functional and antigenic diversity in human erythrocyte and brain beta spectrin. Harris AS, et al. **J Cell Biochem** 1986;30(1):51–69
The effect of oxidation on the structure and function of human erythrocyte spectrin. Becker PS, et al. **Prog Clin Biol Res** 1985;195:185–93

ANALYSIS

Sp alpha I/65 hereditary elliptocytosis in North Africa. Alloisio N, et al. **Am J Hematol** 1986 Oct;23(2):113–22
Abnormal spectrin in hereditary elliptocytosis. Marchesi SL, et al. **Blood** 1986 Jan;67(1):141–51
Demonstration of haemoglobin associated with isolated, purified spectrin from senescent human red cells. Snyder LM, et al. **Br J Haematol** 1985 Nov;61(3):415–9
Spectrin in mouse gametogenesis and embryogenesis. Damjanov I, et al. **Dev Biol** 1986 Mar;114(1):132–40
Localization of nonerythroid spectrin and actin in mouse oocytes and preimplantation embryos. Reima I, et al. **Differentiation** 1985;30(1):68–75
Occurrence of spectrin-like protein in Y-1 adrenal tumor cells. Osawa S, et al. **Endocrinology** 1986 Jun; 118(6):2458–63
Plasma membranes purified from myeloid leukemia cells before and after differentiation. I. Characterization of spectrin-like proteins and increased association of actin. Hashida T, et al. **Exp Cell Res** 1986 Jun;164(2):481–91
Pathologic and nonpathologic variants of the spectrin molecule in two black families with hereditary elliptocytosis. Lecomte MC, et al. **Hum Genet** 1985; 71(4):351–7
The present status of erythrocyte spectrin structure: the 106-residue repetitive structure is a basic feature of an entire class of proteins. Speicher DW. **J Cell Biochem** 1986; 30(3):245–58 (83 ref.)
Immunofluorescent patterns of spectrin in lymphocyte cell lines. Pauly JL, et al. **J Immunol** 1986 Jan;136(1):246–53

BIOSYNTHESIS

Spectrin assembly in avian erythroid development is determined by competing reactions of subunit homo- and hetero-oligomerization. Woods CM, et al. **Nature** 1986 May 1–7;321(6065):85–9

BLOOD

Spectrin degradation in intact red blood cells by phenylhydrazine. Arduini A, et al. **Biochem Pharmacol** 1985 Dec 15;34(24):4283–9

DEFICIENCY

Partial spectrin deficiency in hereditary pyropoikilocytosis. Coetzer TL, et al. **Blood** 1986 Apr;67(4):919–24

GENETICS

Sequence comparison of human and murine erythrocyte alpha-spectrin cDNA. Curtis PJ, et al. **Gene** 1985; 36(3):357–62
Cloning of a portion of the chromosomal gene for human erythrocyte alpha-spectrin by using a synthetic gene fragment. Linnenbach AJ, et al. **Proc Natl Acad Sci USA** 1986 Apr;83(8):2397–401

IMMUNOLOGY

Elution of antispectrin antibodies from red cells in homozygous beta-thalassaemia. Wiener E, et al. **Clin Exp Immunol** 1986 Mar;63(3):680–6

ISOLATION & PURIFICATION

Studies on the structural polymorphism of the alpha-II domain of human erythrocyte spectrin. Lambert S, et al. **Biochim Biophys Acta** 1986 Mar 28;870(2):211–8
A case of elliptocytosis associated with a truncated spectrin chain. Ohanian V, et al. **Br J Haematol** 1985 Sep;61(1):31–9
Spectrin expression in neuroblastoma cells. Goodman SR, et al. **Brain Res Bull** 1986 May;16(5):597–602
Crude spectrin extraction from reticulocyte-rich blood samples. Mafik T, et al. **Clin Chim Acta** 1985 Nov 29; 153(1):15–21
Pig thyroid spectrin. A membrane-associated protein related in structure and function to brain spectrin. Regnouf F, et al. **Eur J Biochem** 1985 Dec 2;153(2):313–9
Brain spectrin(240/235) and brain spectrin(240/235E): two distinct spectrin subtypes with different locations within mammalian neural cells. Riederer BM, et al. **J Cell Biol** 1986 Jun;102(6):2088–97

METABOLISM

Calmodulin inhibits the phosphorylation of spectrin in vitro. Maretzki D, et al. **Arch Biochem Biophys** 1986 Apr; 246(1):469–77
Phosphorylation reduces the affinity of protein 4.1 for spectrin. Eder PS, et al. **Biochemistry** 1986 Apr 8; 25(7):1764–70
Properties of red cell membrane proteins: mechanism of spectrin and band 4.1 interaction. Podgórski A, et al. **Biochemistry** 1985 Dec 31;24(27):7871–6
Binding of complement component C1q by spectrin. Comis A, et al. **Biochim Biophys Acta** 1986 Apr 22;870(3):426–31
ESR studies of the erythrocyte membrane skeletal protein network: influence of the state of aggregation of spectrin on the physical state of membrane proteins, bilayer lipids, and cell surface carbohydrates. Farmer BT 2d, et al. **Biochim Biophys Acta** 1985 Dec 19;821(3):420–30
A calmodulin and alpha-subunit binding domain in human erythrocyte spectrin. Sears DE, et al. **Biochim Biophys Acta** 1986 Apr 22;870(3):432–42
Labelling of erythrocyte spectrin in situ with phenylisothiocyanate. Sikorski AF, et al. **Biochim Biophys Acta** 1985 Oct 24;820(1):147–53
Determination of the parameters of self-association by direct

fitting of the omega function. Morris M, et al. **Biophys Chem** 1985 Nov;23(1–2):49–61

Spectrin does not redistribute with actin during dBcAMP-induced changes in astrocytes in vitro. Opas M, et al. **Brain Res** 1986 Mar;390(2):314–7

The 240-kDa subunit of human erythrocyte spectrin binds calmodulin at micromolar calcium concentrations. Berglund A, et al. **FEBS Lett** 1986 Jun 9;201(2):306–10

Selective detection of rapid motions in spectrin by NMR. Fung LW, et al. **FEBS Lett** 1986 Mar 3;197(1–2):234–8

The effect of mild diamide oxidation on the structure and function of human erythrocyte spectrin. Becker PS, et al. **J Biol Chem** 1986 Apr 5;261(10):4620–8

Identification of the functional site of erythrocyte protein 4.1 involved in spectrin–actin associations. Correas I, et al. **J Biol Chem** 1986 Mar 5;261(7):3310–5

Hemin-mediated dissociation of erythrocyte membrane skeletal proteins. Liu SC, et al. **J Biol Chem** 1985 Oct 5; 260(22):12234–9

Phosphorylation of ankyrin decreases its affinity for spectrin tetramer. Lu PW, et al. **J Biol Chem** 1985 Dec 5; 260(28):14958–64

Ankyrin and synapsin: spectrin-binding proteins associated with brain membranes. Bennett V, et al. **J Cell Biochem** 1985;29(2):157–69

Spectrin involvement in a 40 degrees C structural transition of the red blood cell membrane. Minetti M, et al. **J Cell Biochem** 1986;30(4):361–70

The 4.1-like proteins of the bovine lens: spectrin-binding proteins closely related in structure to red blood cell protein 4.1. Aster JC, et al. **J Cell Biol** 1986 Jul; 103(1):115–22

Mechanisms of cytoskeletal regulation: modulation of membrane affinity in avian brush border and erythrocyte spectrins. Howe CL, et al. **J Cell Biol** 1985 Oct; 101(4):1379–85

Biosynthesis of spectrin and its assembly into the cytoskeletal system of Friend erythroleukemia cells. Pfeffer SR, et al. **J Cell Biol** 1986 Jul;103(1):103–13

Effect of hydrogen peroxide exposure on normal human erythrocyte deformability, morphology, surface characteristics, and spectrin–hemoglobin cross-linking. Snyder LM, et al. **J Clin Invest** 1985 Nov;76(5):1971–7

Cell biology: origins of the cytoskeleton [news] Cohen CM. **Nature** 1986 May 1–7;321(6065):18–9

Increased concentration of spectrin is observed in avian dystrophic muscle. Repasky EA, et al. **Proc Natl Acad Sci USA** 1986 Feb;83(3):802–6

Colocalization of band 3 with ankyrin and spectrin at the basal membrane of intercalated cells in the rat kidney. Drenckhahn D, et al. **Science** 1985 Dec 13;230(4731):1287–9

PHARMACODYNAMICS

Actin assembly and filament cross-linking in the presence of TW 260/240, the tissue-specific spectrin of the chicken intestinal brush border. Fishkind DJ, et al. **Cell Motil** 1985; 5(4):311–22

Inhibition of protein synthesis by the beta-subunit of spectrin. Kudlicki W, et al. **FEBS Lett** 1986 May 12;200(2):271–4

PHYSIOLOGY

Spectrin, red cell shape and deformability. I. Membrane curvature in genetic spectrin deficiency. Schmid-Schönbein H, et al. **Blut** 1986 Mar;52(3):131–47

Spectrin, red cell shape and deformability. II. The antagonistic action of spectrin and sialic acid residues in determining membrane curvature in genetic spectrin deficiency in mice. Schmid-Schönbein H, et al. **Blut** 1986 Mar;52(3):149–64

Association of spectrin with desmin intermediate filaments. Langley RC Jr, et al. **J Cell Biochem** 1986;30(2):101–9

SPECTROFLUOROMETRY see **SPECTROMETRY, FLUORESCENCE**

SPECTROMETRY, FLUORESCENCE

Molecular fluorescence, phosphorescence, and chemiluminescence spectrometry. Wehry EL. **Anal Chem** 1986 Apr;58(5):13R–33R (709 ref.)

Spectral interferences and stray light in continuum source excited flame atomic-fluorescence spectrometry. Wu ML, et al. **Analyst** 1985 Aug;110(8):937–42

Direct fluorometric determination of erythrocyte free and zinc protoporphyrins in health and disease. Gorodetsky R, et al. **Clin Biochem** 1985 Dec;18(6):362–8

Fitting fluorescence emission spectra of probes bound to biological membranes. Rooney EK, et al. **J Biochem Biophys Methods** 1986 Mar;12(3):175–89

Measurement of subnanosecond anisotropy decays of protein fluorescence using frequency-domain fluorometry. Lakowicz JR, et al. **J Biol Chem** 1986 Feb 15;261(5):2240–5

[Fluorescence methods—their application to the quantitative analysis of organic substances. 2.] Schwarze W, et al. **Pharmazie** 1985 Sep;40(9):593–614 (416 ref.) **(Ger)**

[The influence of tissue hemoglobin on argon laser induced fluorescence in gastrointestinal mucosa] Hoshihara Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Aug; 82(8):1853–7 (Eng. Abstr.) **(Jpn)**

INSTRUMENTATION

A new method for resolution of two- and three-component mixtures of fluorophores by phase-sensitive detection of fluorescence. Keating-Nakamoto S, et al. **Anal Biochem** 1985 Aug 1;148(2):349–56

Comparison of approaches to the instrumental response function in fluorescence decay measurements. Kolber ZS, et al. **Anal Biochem** 1986 Jan;152(1):6–21

A spectrofluorometer to measure difference in fluorescence spectra: a simple method for improving sensitivity. Brody SS, et al. **J Biochem Biophys Methods** 1986 Jun; 12(5–6):319–23

Reflectance spectrophotometric and surface fluorometric methods for measuring the redox state of nicotinamide nucleotides and flavins in intact tissues. Hassinen IE. **Methods Enzymol** 1986;123:311–20

Polychromator for recording optical absorbance changes from single cells. Smith SJ. **Soc Gen Physiol Ser** 1986; 40:255–60

METHODS

3-Hydroxybenzo[a]pyrene glucuronidation by cells: a direct fluorometric assay in culture medium. Boiret M, et al. **Anal Biochem** 1986 Feb 15;153(1):132–8

A fluorometric assay for biotinidase. Ebrahim H, et al. **Anal Biochem** 1986 Apr;154(1):282–6

A fluorometric assay for the biotin–avidin interaction based on displacement of the fluorescent probe 2-anilinonaphthalene-6-sulfonic acid. Mock DM, et al. **Anal Biochem** 1985 Nov 15;151(1):178–81

A new assay for N-hydroxyarylamine O-acetyltransferase: reduction of N-hydroxyarylamines through N-acetoxyarylamines. Saito K, et al. **Anal Biochem** 1986 Feb 1;152(2):226–31

A fluorometric assay of the degree of modification of protein primary amines with polyethylene glycol. Stocks SJ, et al. **Anal Biochem** 1986 Apr;154(1):232–4

Modification of transglutaminase assay: use of ammonium sulfate to stop the reaction. Takagi J, et al. **Anal Biochem** 1986 Mar;153(2):295–8

Anisotropy decay associated fluorescence spectra and analysis of rotational heterogeneity. 2. 1,6-Diphenyl-1,3,5-hexatriene in lipid bilayers. Davenport L, et al. **Biochemistry** 1986 Apr 8;25(7):1811–6

Anisotropy decay associated fluorescence spectra and analysis of rotational heterogeneity. 1. Theory and applications. Knutson JR, et al. **Biochemistry** 1986 Apr 8; 25(7):1805–10

Simultaneous analysis of multiple fluorescence decay curves by Laplace transforms. Deconvolution with reference or excitation profiles. Ameloot M, et al. **Biophys Chem** 1986 Mar;23(3–4):155–71

Time-resolved fluorescence polarization from ordered biological assemblies. Burghardt TP. **Biophys J** 1985 Oct; 48(4):623–31

Scanning fluorescence correlation spectroscopy. I. Theory and simulation of aggregation measurements. Petersen NO. **Biophys J** 1986 Apr;49(4):809–15

Biotransformation of xenobiotics in individual rabbit hepatocytes. Application of microspectrofluorometry. Massey TE, et al. **Drug Metab Dispos** 1986 May–Jun; 14(3):319–24

Spectroscopic characterization of the ATPase of the thermophilic bacterium PS3 and its isolated subunits. Rögner M, et al. **J Biochem (Tokyo)** 1986 Apr; 99(4):993–1003

The use of short lived fluorescent dyes to correct for artifacts in the measurements of fluorescence lifetimes. Mauzerall D, et al. **Photochem Photobiol** 1985 Aug;42(2):183–6

Membrane dynamics studied by fluorescence correlation spectroscopy and photobleaching recovery. Elson EL. **Soc Gen Physiol Ser** 1986;40:367–83 (47 ref.)

Menu software for the processing of spectrofluorometry analysis. Hörer OL, et al. **Virologie** 1986 Jan–Mar; 37(1):9–14

[Electric activation of the heart using laser spectrometry. 1. Study of transmembrane action potentials using optical technics] Fillette F, et al. **Arch Mal Coeur** 1985 Sep; 78(9):1418–24 (Eng. Abstr.) **(Fre)**

[A new technic for recording cardiac action potentials. Laser spectrometry] Fillette F, et al. **Presse Med** 1986 May 24; 15(21):975–6 (Eng. Abstr.) **(Fre)**

[Fluorescence correlation spectroscopy] Asai H. **Tanpakushitsu Kakusan Koso** 1985 Sep;(28):246–8 **(Jpn)**

[Picosecond and nanosecond fluorescence spectroscopy] Kinoshita S. **Tanpakushitsu Kakusan Koso** 1985 Sep; (28):234–8 **(Jpn)**

[A simple method for measuring blood concentrations of protein-unbound and total salicylic acid] Irino O, et al. **Yakugaku Zasshi** 1985 Jun;105(6):593–6 (Eng. Abstr.) **(Jpn)**

SPECTROMETRY, MASS see **SPECTRUM ANALYSIS, MASS**

SPECTROMETRY, MASS-GAS CHROMATOGRAPHY see **MASS FRAGMENTOGRAPHY**

SPECTROMETRY, X-RAY EMISSION

Analysis of urinary calculi using photon induced X-ray fluorescence (XRF). Cesareo R, et al. **Br J Urol** 1986 Jun; 58(3):253–5

[Analysis of trace elements by proton induced X-ray emission (PIXE) in serum of patients with liver cancer and normal subjects] Liu XM. **Chung Hua Chung Liu Tsa Chih** 1985 Nov;7(6):411–3 (Eng. Abstr.) **(Chi)**

[Changes in trace elements (zinc, copper and manganese) in the hair before and after severe fractures by proton-induced X-ray emission spectrometry (PIXE)] Wang ZX, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Jul; 23(7):392–4, 443 (Eng. Abstr.) **(Chi)**

[Assay of trace elements in the serum by the PIXE method in patients with Crohn's disease] Deflandre J, et al. **Gastroenterol Clin Biol** 1985 Oct;9(10):719–25 (Eng. Abstr.) **(Fre)**

[Use of x-ray fluorescence in studying the state of the environment and biological materials in hygiene research] Dmitriev MT, et al. **Gig Sanit** 1985 Oct;(10):45–8 (44 ref.) **(Rus)**

METHODS

Accuracy and reproducibility of a new contrast clearance method for the determination of glomerular filtration rate. O'Reilly PH, et al. **Br Med J [Clin Res]** 1986 Jul 26; 293(6541):234–6

In vivo elemental analysis in occupational medicine. Scott MC, et al. **Scand J Work Environ Health** 1986 Apr; 12(2):81–96

[Chemical analyses by means of nuclear and radiation methods—applications to biology, medicine, pharmaceutical sciences, agriculture, science and engineering—. 2. Particle induced X-ray emission (PIXE) analysis] Chiba R. **Radioisotopes** 1985 Nov;34(11):648–56 **(Jpn)**

SPECTROMETRY, X-RAY EMISSION, ELECTRON MICROSCOPIC see **ELECTRON PROBE MICROANALYSIS**

SPECTROMETRY, X-RAY EMISSION, ELECTRON PROBE see **ELECTRON PROBE MICROANALYSIS**

SPECTROMETRY, X-RAY FLUORESCENCE see **SPECTROMETRY, X-RAY EMISSION**

SPECTROPHOTOMETRY

Have Liley charts outlived their usefulness? Nicolaides KH, et al. **Am J Obstet Gynecol** 1986 Jul;155(1):90–4

Rank estimation of excitation–emission matrices using frequency analysis of eigenvectors. Rossi TM, et al. **Anal Chem** 1986 Apr;58(4):810–5

Molecular fluorescence, phosphorescence, and chemiluminescence spectrometry. Wehry EL. **Anal Chem** 1986 Apr;58(5):13R–33R (709 ref.)

Ratios of first-derivative maxima and compensated derivative absorption curves. Wahbi AA, et al. **Analyst** 1986 Jul; 111(7):777–80

First Italo-Hungarian Symposium on Spectrochemistry: Environmental Protection and Spectrochemistry. Rome, Italy, 5–9 September 1983. **Ann Ist Super Sanita** 1983; 19(4):485–672

Solution emission spectrographic and spectrometric analysis of powders for environmental protection. Gegus E, et al. **Ann Ist Super Sanita** 1983;19(4):537–40

Atomic emission spectroscopy with a.c. interrupted arc and atomic absorption spectrometry with graphite furnace and cold vapour technique in environmental protection studies. Szakács O, et al. **Ann Ist Super Sanita** 1983;19(4):531–5

Spectrochemical analysis of biological materials. Zimmer K, et al. **Ann Ist Super Sanita** 1983;19(4):509–21

Counting losses in gamma-ray spectrometry not eliminated by dead-time correction circuitry. Olson DG. **Health Phys** 1986 Sep;51(3):380–1

Scanning spectrophotometry for the dynamic study of tissue respiration in intact organs. Jarry G, et al. **J Biomed Eng** 1986 Apr;8(2):166–70

Spectrophotometric determination of meconium concentration in amniotic fluid. Molcho J, et al. **J Biomed Eng** 1986 Apr;8(2):162–5

Spectral differentiation and gas chromatographic/mass spectrometric analysis of the lacrimators 2-chloroacetophenone and o-chlorobenzylidene malononitrile. Ferslew KE, et al. **J Forensic Sci** 1986 Apr; 31(2):658–65

The effect of skin cleansing agents on ethanol results measured with the Du Pont automatic clinical analyzer. Ryder KW, et al. **J Forensic Sci** 1986 Apr;31(2):574–9

ELISA readers and HIV antibody testing in developing countries [letter] Mann JM, et al. **Lancet** 1986 Jun 28; 1(8496):1504

Spectrophotometric determination of toxic trace elements in milk: a review. Herrador MA, et al. **Z Gesamte Hyg** 1986 May;32(5):285–9

[Stopped-flow method] Hiromi K. **Tanpakushitsu Kakusan Koso** 1985 Sep;(28):186–90 **(Jpn)**

INSTRUMENTATION

Pulsed photothermal refraction spectrometry using an elliptic gaussian excitation beam. Teramae N, et al. **Anal Chem** 1986 Apr;58(4):761–5

Development of a hollow cathode method for the spectroanalytical determination of trace elements in biological materials. Caroli S, et al. **Ann Ist Super Sanita** 1983;19(4):495–502

Application of the Grimm glow-discharge lamp in surface analysis. De Gregorio P, et al. **Ann Ist Super Sanita** 1983; 19(4):613–20

Depth profile analysis with glow discharge lamps. Záray G, et al. **Ann Ist Super Sanita** 1983;19(4):621–8

Evaluation of "HemoCue," a new device for determining hemoglobin. von Schenck H, et al. **Clin Chem** 1986 Mar; 32(3):526–9

A computer-assisted rapid-scanning spectrophotometer with applications to tissues in vitro and in vivo. Pikarsky SM, et al. **Comput Biomed Res** 1985 Oct;18(5):408–21

Simple spectropolarimetric accessory for dual-wavelength spectrophotometers. Björn LO. **J Biochem Biophys Methods** 1986 Jun;12(5–6):355–8

Transcutaneous bilirubinometry in the newborn infant: state of the art. Hegyi T. **J Clin Monit** 1986 Jan;2(1):53–9

METHODS

Measurements and processing of intracapillary hemoglobin spectra by using a micro-lightguide spectrophotometer in connection with a microcomputer. Brunner M, et al. **Adv Exp Med Biol** 1985;191:909–16

A spectrophotometric solid-phase fibrin-tissue plasminogen activator activity assay (SOFIA-tPA) for high-fibrin-affinity tissue plasminogen activators. Angles-Cano E. **Anal Biochem** 1986 Mar;153(2):201–10

Lowry protein assay using an automatic microtiter plate spectrophotometer. Fryer HJ, et al. **Anal Biochem** 1986 Mar;153(2):262–6

A spectrophotometric microassay for sulfated glycosaminoglycans using a laser densitometer. Klompmakers AA, et al. **Anal Biochem** 1986 Feb 15; 153(1):80–4

Error reduction in pulsed laser photothermal deflection spectrometry. Long GR, et al. **Anal Chem** 1986 Jan; 58(1):80–6

Application of spectrochemical techniques in industrial hygiene. Cecchetti G, et al. **Ann Ist Super Sanita** 1983; 19(4):561–3

The ICP in the analysis of biological materials: possibilities and limitations. Rossi G, et al. **Ann Ist Super Sanita** 1983; 19(4):503–7

In situ monitoring by reflectance spectrophotometry [letter] Barbour RL, et al. **Clin Chem** 1986 Apr;32(4):712–3

Application of pattern-recognition techniques in wavelength selection for instrumentally read reagent strips. Chu AY, et al. **Clin Chem** 1986 Sep;32(9):1666–71

Reflectance spectrophotometry in the human ocular fundus. Schweitzer D, et al. **Graefes Arch Clin Exp Ophthalmol** 1985;223(4):207–10

Role of light scattering in spectrophotometric measurements of arteriovenous oxygen difference. Steinke JM, et al. **IEEE Trans Biomed Eng** 1986 Aug;33(8):729–34

The use of microspectrophotometry to characterize microscopic amounts of blood. Kotowski TM, et al. **J Forensic Sci** 1986 Jul;31(3):1079–85

Microscopic spectral imaging using a video camera. Balaban RS, et al. **J Microsc** 1986 Jan;141 (Pt 1):31–9

Spectrophotometric determination of iron in heme proteins. Vinogradov SN. **Methods Enzymol** 1986;123:320–3

Two-dimensional spectrophotometry and pseudo-color representation of chemical reaction patterns. Müller SC, et al. **Naturwissenschaften** 1986 Apr;73(4):165–79

Determination of soluble fibrin in plasma by a rapid and quantitative spectrophotometric assay. Wiman B, et al. **Thromb Haemost** 1986 Apr 30;55(2):189–93

Solid-phase fibrin-tissue-plasminogen-activator activity assay (SOFIA-tPA): tPA but not UK is specifically detected. Boutière B, et al. **Thromb Res** 1986 Jul 1; 43(1):129–32

Algorithms for automated ultramicroanalysis by bichromatic paper disk spectrophotometry. Hörer OL. **Virologie** 1985 Jul-Sep;36(3):165–73

Spectrophotometric determination of sulphite. Balasubramanian N, et al. **Z Gesamte Hyg** 1986 Mar; 32(3):154–5

Spectrophotometric determination of nitrite. Balasubramanian N, et al. **Z Gesamte Hyg** 1986 Mar; 32(3):156–7

[Reproducibility of spectrophotometric and flame photometric methods] Marinov S, et al. **Vet Med Nauki** 1985;22(10):31–7 (Eng. Abstr.) **(Bul)**

[Application of derivative spectrophotometry in biochemistry] Levillain P, et al. **Ann Biol Clin (Paris)** 1985; 43(4):389–94 (Eng. Abstr.) **(Fre)**

[Determination of serum trace elements in patients with chronic liver disease by the inductively coupled argon plasma emission spectrophotometer] Miyamoto M. **Nippon Shokakibyo Gakkai Zasshi** 1985 Sep;82(9):2151 **(Jpn)**

[Stopped-flow time difference analysis—a new approach for spectrophotometric analysis of high speed and high sensitivity] Hiromi K, et al. **Tanpakushitsu Kakusan Koso** 1986 Mar;31(3):230–40 **(Jpn)**

[Microsecond spectroscopy] Iizuka T. **Tanpakushitsu Kakusan Koso** 1985 Sep;(28):231–3 **(Jpn)**

[Stopped-flow light scattering method] Nakanishi M. **Tanpakushitsu Kakusan Koso** 1985 Sep;(28):193–4 **(Jpn)**

[Picosecond and nanosecond time-resolved spectroscopies] Ohtani H, et al. **Tanpakushitsu Kakusan Koso** 1985 Sep; (28):226–30 **(Jpn)**

[Extraction of copper trichlorophenoate from aqueous solutions by organic solvents] Zalnutdinov KhS, et al. **Sud Med Ekspert** 1986 Apr-Jun;29(2):50–1 (Eng. Abstr.) **(Rus)**

STANDARDS

Monitoring the stability of wavelength calibration of spectrophotometers. Korzun WJ, et al. **Clin Chem** 1986 Jan;32(1 Pt 1):162–5

SPECTROPHOTOMETRY, ATOMIC ABSORPTION

Multielement atomic absorption with a continuum source. Harnly JM. **Anal Chem** 1986 Jul;58(8):933A–943A

A procedure to measure concanavalin-A binding with atomic spectroscopy and X-ray microanalysis. Rosenquist TH, et al. **Histochemistry** 1986;84(1):61–5

[Quantitative determination of phenoloxidase (EC 1.14.18.1). Absorption behavior of mushroom and potato tyrosinase] Schmidt H. **Dermatol Monatsschr** 1986;172(5):276–81 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

[First experiences with the atomic absorption spectrophotometer AASS 3 from the Karl Zeiss Jena collective combine, a people-owned company, in the clinico-chemical laboratory] Schröter H, et al. **Z Med Lab Diagn** 1985;26(7):361–4 (Eng. Abstr.) **(Ger)**

METHODS

Aluminum: analytical considerations. Burnatowska-Hledin M, et al. **Am J Kidney Dis** 1985 Nov;6(5):283–7 (43 ref.)

Separation and quantitation of metallothioneins by high-performance liquid chromatography coupled with atomic absorption spectrophotometry. Lehman LD, et al. **Anal Biochem** 1986 Mar;153(2):305–14

Rapid analysis of nickel in urine by electrothermal atomic absorption spectrophotometry. Sunderman FW Jr, et al. **Ann Clin Lab Sci** 1986 May-Jun;16(3):219–30

Determination of silver in biological samples using graphite furnace atomic absorption spectrometry based on Zeeman effect background correction and matrix modification. Andersen KJ, et al. **Clin Biochem** 1986 Jun;19(3):166–70

Matrix modification for furnace atomic absorption spectrometric determination of arsenic in whole human blood. Eaton DK, et al. **J Anal Toxicol** 1985 Sep-Oct; 9(5):213–6

Electrothermal determination of aluminum in biological samples by atomic absorption spectroscopy. Gitelman HJ, et al. **Kidney Int [Suppl]** 1986 Feb;18:S28–31

Selenium determination by Zeeman atomic absorption spectrophotometry. Edwards WC, et al. **Vet Hum Toxicol** 1986 Feb;28(1):12–3

Determination of aluminium in haemodialysis patients. Vorberg B, et al. **Z Med Lab Diagn** 1985;26(7):370–3

[Multielement analysis of brown coal, fly ash and sedimentation dust by ICP spectrometry] Marquardt D, et al. **Z Gesamte Hyg** 1985 Nov;31(11):614–7 (Eng. Abstr.) **(Ger)**

[Determination of platinum in urine] Winnefeld K, et al. **Z Med Lab Diagn** 1986;27(2):96–8 (Eng. Abstr.) **(Ger)**

[Direct determination of lead in blood by flameless atomic absorption spectrophotometry] Koga N, et al. **Nippon Eiseigaku Zasshi** 1985 Jun;40(2):636–40 (Eng. Abstr.) **(Jpn)**

[Time-resolved EXAFS using a stopped-flow cell] Oyanagi H. **Tanpakushitsu Kakusan Koso** 1985 Sep;(28):195–7 **(Jpn)**

SPECTROPHOTOMETRY, INFRARED

Continuous non invasive monitoring of human brain by near infrared spectroscopy. Ferrari M, et al. **Adv Exp Med Biol** 1985;191:873–82

Near infrared spectrophotometry: potential role during increased intracranial pressure. Proctor HJ, et al. **Adv Exp Med Biol** 1985;191:863–71

Infrared spectrometry. McDonald RS. **Anal Chem** 1986 Aug; 58(9):1906–25 (426 ref.)

Application of infrared spectroscopy in asbestos mineral analysis. Marconi A. **Ann Ist Super Sanita** 1983; 19(4):629–37

A comparison of the analyses of respirable quartz by infra-red spectrophotometry at HSE field and headquarters laboratories. Groves JA, et al. **Ann Occup Hyg** 1985; 29(3):429–33

Near-infrared spectrophotometric monitoring of oxygen distribution to intact brain and skeletal muscle tissues. Piantadosi CA, et al. **Crit Care Med** 1986 Aug; 14(8):698–706

[A study on the difference factor in computerized infrared difference spectroscopy] He X, et al. **Yao Hsueh Hsueh Pao** 1984 Nov;19(11):836–41 (Eng. Abstr.) **(Chi)**

[Use of spectral methods in the study of poisoning] Smysl B. **Soud Lek** 1986 May;31(2):26–9 (Eng. Abstr.) **(Cze)**

[Use of roentgen diffractometry and infrared spectroscopy in the analysis of suspended dust samples for fractions of crystalline silicon dioxide] Werner I, et al. **Z Gesamte Hyg** 1986 Apr;32(4):250–2 (Eng. Abstr.) **(Ger)**

[A clinical survey of urinary calculi analyzed by infrared spectroscopy] Orito M, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Apr;77(4):581–7 (Eng. Abstr.) **(Jpn)**

INSTRUMENTATION

An evaluation of the Datex Normac anaesthetic agent monitor. Colquhoun AD, et al. **Anaesthesia** 1986 Feb; 41(2):198–204

Non-invasive optical methods for the study of cerebral metabolism in the human newborn: a technique for the future? Rea PA, et al. **J Med Eng Technol** 1985 Jul-Aug; 9(4):160–6

[Status and perspectives of technical equipment in centers for the analysis of urinary calculi in East Germany] Pirlich W, et al. **Z Urol Nephrol** 1986 Mar;79(3):175–6 **(Ger)**

METHODS

Fourier transform infrared spectroscopy of retinoids. Rockley NL, et al. **Methods Enzymol** 1986;123:92–101

[Determination of 13C abundance in trace amounts of plant metabolites by the infrared 13CO2 analyzer] Kouchi H, et al. **Radioisotopes** 1985 Jun;34(6):322–5 (Eng. Abstr.) **(Jpn)**

SPECTROPHOTOMETRY, ULTRAVIOLET

[Use of spectral methods in the study of poisoning] Smysl B. **Soud Lek** 1986 May;31(2):26–9 (Eng. Abstr.) **(Cze)**

INSTRUMENTATION

Pulsed laser thermal lens spectrophotometry for flowing liquid detection. Nickolaisen SL, et al. **Anal Chem** 1986 Jan;58(1):215–20

METHODS

Determination of absorption coefficients of purified proteins by conventional ultraviolet spectrophotometry and chromatography combined with multiwavelength detection. van Iersel J, et al. **Anal Biochem** 1985 Nov 15; 151(1):196–204

ODDC and MULTIGRAPH: programs for spectrophotometer data collection and manipulation using a microcomputer. Ross SM, et al. **Comput Methods Programs Biomed** 1986 Apr;22(2):171–8

Optimization of the determination of RNA nucleotide composition by ultraviolet spectral analysis. Besson JE, et al. **J Biochem Biophys Methods** 1986 Apr;12(4):193–6

Spectrophotometric analysis of color differences between porcelain systems. Seghi RR, et al. **J Prosthet Dent** 1986 Jul;56(1):35–40

Assay of K vitamins in tissues by high-performance liquid chromatography with special reference to ultraviolet detection. Shearer MJ. **Methods Enzymol** 1986;123:235–51

[Rapid ultraviolet-absorption photometric determination of the protein content of aqueous extracts in the microgram area using Na2O2] Löhrke B. **Z Med Lab Diagn** 1986; 27(2):92–5 (Eng. Abstr.) **(Ger)**

STANDARDS

Simultaneous spectrophotometric calibration of wavelength and absorbance in an interlaboratory survey using holmium oxide (Ho2O3) in perchloric acid as reference, compared with p-nitrophenol and cobaltous sulphate solutions (1978–1984). Jansen AP, et al. **J Clin Chem Clin Biochem** 1986 Feb;24(2):141–6

[A new system for spectral corrections by matrix calculations] Coclers L, et al. **J Pharm Belg** 1985 Sep-Oct; 40(5):295–307 (Eng. Abstr.) **(Fre)**

SPECTROSCOPY see SPECTRUM ANALYSIS

SPECTRUM ANALYSIS

Effect of quantitated stenoses on arterial sound spectrum analysis. Flanigan DP, et al. **Am J Surg** 1986 Aug; 152(2):196–201

Robust method for quantitative analysis of two-dimensional (chromatographic/spectral) data sets. Burns DH, et al. **Anal Chem** 1986 Jun;58(7):1415–20

Power spectral analysis of electroencephalographic activity in kindled rats. McIntyre DC, et al. **Exp Neurol** 1986 Apr; 92(1):261–6

The use of circular dichroism to study conformational changes induced in Sendai virus envelope glycoproteins. A correlation with the viral fusogenic activity. Citovsky V, et al. **J Biol Chem** 1986 Feb 15;261(5):2235–9

In search of the spectrum's elusive yellow. Campbell FW. **Ophthalmic Physiol Opt** 1986;6(2):129–33

Spectroscopic analysis and dosimetry of diagnostic x-ray beams filtered by rare earth materials. Tyndall DA. **Oral Surg Oral Med Oral Pathol** 1986 Aug;62(2):205–11

Comparison of in vivo 31P-MR spectra of the brain, liver, and kidney of adult and infant animals. Schmidt HC, et

al. **Pediatr Radiol** 1986;16(2):144–9
The spectral emissions from ultraviolet radiation lamps used in dermatology. Diffey BL. **Photodermatol** 1986 Jun; 3(3):179–85
[Stopped flow—circular dichroism method]
Kawamura-Konishi Y. **Tanpakushitsu Kakusan Koso** 1985 Sep;(28):191–2 **(Jpn)**
[Time resolved Raman spectroscopy—stopped flow and pulse radiolysis methods] Nishimura Y.
Tanpakushitsu Kakusan Koso 1985 Sep;(28):253–6 **(Jpn)**
[Work of a zonal spectral laboratory] Velisheva LS, et al. **Sud Med Ekspert** 1985 Jul–Sep;28(3):46–7 **(Rus)**

INSTRUMENTATION

Microscope laser light scattering spectroscopy of single biological cells. Nishio I, et al. **Cell Biophys** 1985 Jun; 7(2):91–105
Laboratory evaluation of four reflectometers for blood glucose. von Schenck H. **Ups J Med Sci** 1986;91(2):169–72
[Development of gamma-ray spectrometry system (GAMA-III system) for neutron activation analysis] Suzuki S, et al. **Radioisotopes** 1985 Oct;34(10):563–6 **(Jpn)**

METHODS

On the spectral analysis of blood pressure variability. de Boer RW, et al. **Am J Physiol** 1986 Sep;251(3 Pt 2):H685–7
Measurement of copper, zinc and magnesium in serum and urine by DC plasma emission spectrometry. Roberts NB, et al. **Ann Clin Biochem** 1985 Sep;22 (Pt 5):533–8
Use of the loss-tangent function in dielectric spectroscopy. Surowiec A, et al. **Bioelectromagnetics** 1986;7(3):259–69
Spectroscopic applications of magnetic resonance to biomedical problems. Kushmerick MJ.
Cardiovasc Intervent Radiol 1986;8(5–6):382–9
Quantitative technique for bio-electrical spectroscopy. Josinet J, et al. **J Biomed Eng** 1985 Oct;7(4):289–94
Biochemical investigation of human tumours in vivo with phosphorus-31 magnetic resonance spectroscopy.
Oberhaensli RD, et al. **Lancet** 1986 Jul 5;2(8497):8–11
Principles of optothermal spectroscopy. Helander P.
Ups J Med Sci 1986;91(2):155–8
Determination of blood glucose by reflectance spectroscopy. Reliability when used in clinical routine. Jagenburg R.
Ups J Med Sci 1986;91(2):173–4
The economical and practical evaluation of reflectance spectroscopy. Ostling G. **Ups J Med Sci** 1986;91(2):197–200
Preliminary investigations of a correlation between electron energy loss and morphometric analyses on ultrathin cryosections from normal and neoplastic gastric tissues. Wolf B, et al. **Virchows Arch [A]** 1986;408(6):665–76
[Characterization by electron microscopy for chemical analysis of surfaces prepared in the laboratory or in clinical practice: example of the polishing of a gold alloy sample] Kuliralo M, et al.
Bull Group Int Rech Sci Stomatol Odontol 1985 Dec; 28(4):229–43 (Eng. Abstr.) **(Fre)**
[Measurement of sperm motility in seminal plasma and cervix mucus using laser Doppler spectroscopy] Steiner R, et al.
Gynakologe 1985 Dec;18(4):193–7 **(Ger)**
[Evaluation of hepatic blood flow using maximum entropy methods] Seo S, et al. **Kaku Igaku** 1985 Sep;22(9):1333–40 (Eng. Abstr.) **(Jpn)**
[Fluorescence photobleaching recovery] Kawasak Y.
Tanpakushitsu Kakusan Koso 1985 Sep;(28):243–5 **(Jpn)**
[Triplet probe techniques] Kinosita K Jr, et al.
Tanpakushitsu Kakusan Koso 1985 Sep;(28):239–42 **(Jpn)**
[Pulse radiolysis] Kobayashi K, et al.
Tanpakushitsu Kakusan Koso 1985 Sep;(28):260–2 **(Jpn)**
[Neutron inelastic scattering] Komura S.
Tanpakushitsu Kakusan Koso 1985 Sep;(28):274–7 **(Jpn)**
[Neutron spin echo] Komura S.
Tanpakushitsu Kakusan Koso 1985 Sep;(28):278–80 **(Jpn)**
[Moessbauer spectroscopy: its use in medical investigations] Labenski de Kanter F. **Sangre (Barc)** 1986;31(2):187–94 **(Spa)**

SPECTRUM ANALYSIS, MASS

Isotope-dilution mass spectrometry in clinical chemistry. De Leenheer AP, et al. **Adv Clin Chem** 1985;24:111–61 (198 ref.)
Mass spectrometry. Burlingame AL, et al. **Anal Chem** 1986 Apr;58(5):165R–211R (999 ref.)
Gas-phase ionization of selected neutral analytes during thermospray liquid chromatography/mass spectrometry. Bursey MM, et al. **Anal Chem** 1985 Nov;57(13):2597–9
Solvent selection for thermospray liquid chromatography/mass spectrometry. Liberato DJ, et al. **Anal Chem** 1986 Jan;58(1):6–9
Error in measurement of oxygen uptake due to anesthetic gases when using a mass spectrometer [letter] Beatty P, et al. **Anesthesiology** 1985 Nov;63(5):572
Mass spectrometer monitoring of patients with regional anesthesia [letter] Ibarra E, et al. **Anesthesiology** 1985 Nov; 63(5):572–3
Potential effects of an unknown gas on mass spectrometer readings [letter] McCleary U Jr. **Anesthesiology** 1985 Dec; 63(6):724–5
Better designs for mass spectrometer monitoring of the awake patient [letter] Norman EA, et al. **Anesthesiology** 1986 May; 64(5):664
More on mass spectrometers and aerosol propellants [letter] Theisen GJ, et al. **Anesthesiology** 1985 Nov;63(5):568–9
Volumes 6–10, 1979–1983. Cumulative indexes and contents. **Biomed Environ Mass Spectrom** 1985;:1–29
Proceedings of the Fifth International Symposium on Mass Spectrometry in Life Sciences. Ghent, Belgium, 15–18 May 1984. **Biomed Mass Spectrom** 1985 Sep;12(9):437–576
Laser microprobe mass analysis: a review of applications in the life sciences. Verbueken AH, et al.
Biomed Mass Spectrom 1985 Sep;12(9):438–63 (260 ref.)
Mass spectrometer monitoring of expired carbon dioxide in critically ill neonates. Meny RG, et al. **Crit Care Med** 1985 Dec;13(12):1064–6
International Federation of Clinical Chemistry (IFCC), Office for Reference Methods and Materials (ORMM). Methodological aspects on quantitative mass spectrometry used for accuracy control in clinical chemistry. Lawson AM, et al. **J Clin Chem Clin Biochem** 1985 Jul;23(7):433–41
Fundamentals of present-day mass spectrometry. Costello CE. **J Clin Pharmacol** 1986 Jul–Aug;26(6):390–5
Mass spectrometry: calculations. Schoeller DA.
J Clin Pharmacol 1986 Jul–Aug;26(6):396–9
Mass spectrometry: preparation of biologic specimens. Szabo GK, et al. **J Clin Pharmacol** 1986 Jul–Aug;26(6):400–5
Relative intensities of selected ions of methaqualone-related isomers [letter] Liu RH, et al. **J Forensic Sci** 1986 Apr; 31(2):401–2
[Prostaglandins and applications in clinical biology]
Ann Biol Clin (Paris) 1985;43(4):476–84 (Eng. Abstr.) **(Fre)**

INSTRUMENTATION

Detection of mass 16 241 ions by Fourier-transform mass spectrometry. Amster IJ, et al. **Anal Chem** 1986 Feb; 58(2):483–5
Reionization agents for neutralization-reionization mass spectrometry. Danis PO, et al. **Anal Chem** 1986 Feb; 58(2):355–8
Neutralization agents for neutralization-reionization mass spectrometry. Danis PO, et al. **Anal Chem** 1986 Feb; 58(2):348–54
Ion source for liquid matrix secondary ionization mass spectrometry. Falick AM, et al. **Anal Chem** 1986 Jun; 58(7):1308–11
Thermospray liquid chromatograph/mass spectrometer interface with direct electrical heating of the capillary. Vestal ML, et al. **Anal Chem** 1985 Oct;57(12):2373–8
A computer controlled calibrator, spectrum overlap eraser and automatic sensitivity control for an anaesthetic mass spectrometer. Beatty PC, et al. **Clin Phys Physiol Meas** 1985 Nov;6(4):337–47
The influence of tube geometry on the performance of long sampling tubes in respiratory mass spectrometry. Lerou JG, et al. **Clin Phys Physiol Meas** 1986 May;7(2):125–37
Evaluation of factors affecting relationship between transcutaneous PO2 and probe temperature. Grønlund J. **J Appl Physiol** 1985 Oct;59(4):1117–27
Direct analysis of lipids on thin layer plates by matrix-assisted secondary ion mass spectrometry. Kushi Y, et al.
J Biochem (Tokyo) 1985 Jul;98(1):265–8

METHODS

Determination of impurities in nucleoside 3'-phosphoramidites by fast atom bombardment mass spectrometry. Toren PC, et al. **Anal Biochem** 1986 Feb 1;152(2):291–4
Negative ion chemical ionization mass spectrometry of 2,4-dinitrophenyl amino acid esters. Williams TD, et al. **Anal Biochem** 1986 Mar;153(2):372–9
A new approach for detection and assignment of disulfide bonds in peptides. Yazdanparast R, et al. **Anal Biochem** 1986 Mar;153(2):348–53
Thermally assisted fast atom bombardment: a new approach toward optimization of analyses by fast atom bombardment mass spectrometry. Ackermann BL, et al. **Anal Chem** 1985 Nov;57(13):2656–63
A rapid, sensitive mass spectrometric method for investigating microscale chemical reactions of surface adsorbed peptides and proteins. Chait BT, et al.
Biochem Biophys Res Commun 1986 Jan 14;134(1):420–6
A novel mass spectrometric procedure to rapidly determine the position of O-acylated residues in the sequence of naturally occurring oligosaccharides. Dell A, et al.
Biochem Biophys Res Commun 1986 Mar 28;135(3):1126–34
Reverse phase high-performance liquid chromatography and secondary ion mass spectrometry. A strategy for identification of ten human hemoglobin variants. Rahbar S, et al. **Hemoglobin** 1986;10(4):379–400 (48 ref.)
Stopped flow mass spectrometry: applications to the carbonic anhydrase reaction. Degn H, et al.
J Biochem Biophys Methods 1986 Jun;12(5–6):305–10
High performance liquid chromatography and time-of-flight secondary ion mass spectrometry: a new dimension in structural analysis of apolipoproteins. Jabs HU, et al.
J Lipid Res 1986 Jun;27(6):613–21
Thermospray liquid chromatography-mass spectrometry of nucleosides and of enzymatic hydrolysates of nucleic acids. Edmonds CG, et al. **Nucleic Acids Res** 1985 Nov 25; 13(22):8197–206
A mass spectrometric assay for novel peptides: application to Xenopus laevis skin secretions. Gibson BW, et al.
Peptides 1985;6 Suppl 3:23–7
Protein sequencing by tandem mass spectrometry. Hunt DF, et al. **Proc Natl Acad Sci USA** 1986 Sep;83(17):6233–7
Characterization of acetylated and acetolyzed glycoprotein high-mannose core oligosaccharides by fast-atom-bombardment mass spectrometry. Tsai PK, et al. **Proc Natl Acad Sci USA** 1986 Jun;83(12):4119–23
Progress in high resolution scanning ion microscopy and secondary ion mass spectrometry imaging microanalysis. Levi-Setti R, et al. **Scan Electron Microsc** 1985;(Pt 2):535–52
[Determination of the blood levels of drugs using quantitative mass spectrometry with deuterated internal standards. III. Pharmacokinetics of benfluron in man] Koruna I, et al.
Cesk Farm 1985 Nov;34(9):393–5 (Eng. Abstr.) **(Cze)**
[Determination of blood levels of drugs using quantitative mass spectrometry with deuterated internal standards. II. Method of determining benfluron] Ryska M, et al.
Cesk Farm 1985 Oct;34(8):307–10 (Eng. Abstr.) **(Cze)**
[Simultaneous mass spectrometric partial pressure measurements of blood CO2 and N2O for metabolic studies and blood flow measurements] Beste KW.
Biomed Tech (Berlin) 1985 Jul–Aug;30(7–8):192–6 (Eng. Abstr.) **(Ger)**
[Use of laser-induced mass spectrometry for characterizing dust particles in the air of animal houses] Müller W, et al. **Zentralbl Veterinarmed [B]** 1985 Jul;32(6):425–45 (Eng. Abstr.) **(Ger)**
[A rapid, specific and sensitive method for the identification of anthelmintic drug residues in milk and meat using mass spectrometry MS/MS] Maffei Facino R, et al.
Ann Ist Super Sanita 1986;22(1):19–29 (Eng. Abstr.) **(Ita)**

TRENDS

Mass spectrometry: recent developments. Markey SP.
J Clin Pharmacol 1986 Jul–Aug;26(6):406–11

SPECTRUM ANALYSIS, MASS-GAS CHROMATOGRAPHY see MASS FRAGMENTOGRAPHY

SPECTRUM ANALYSIS, RAMAN

Raman spectroscopy. Gerrard DL, et al. **Anal Chem** 1986 Apr;58(5):6R–13R (397 ref.)
Resonance Raman spectroscopy of pyridoxal Schiff bases. Benecky MJ, et al. **J Biol Chem** 1985 Sep 25; 260(21):11663–70

METHODS

[Time-resolved resonance Raman—double pulse laser methods] Koshihara S, et al.
Tanpakushitsu Kakusan Koso 1985 Sep;(28):249–52 **(Jpn)**
[Time resolved Raman spectroscopy—stopped flow and pulse radiolysis methods] Nishimura Y.
Tanpakushitsu Kakusan Koso 1985 Sep;(28):253–6 **(Jpn)**

SPEECH

see related **VERBAL BEHAVIOR**

A taxonomy of misnaming aphasiacs. Moerman C, et al.
Acta Neurol Belg 1985 Aug–Oct;85(4):229–43
An acoustic-speech study of patients who received orthognathic surgery. Bowers J, et al. **Am J Orthod** 1985 Nov;88(5):373–9
Addressing senior audiences. Jinks M, et al. **Am Pharm** 1986 Apr;NS26(4):28–9, 31–3
Tongue size, oral cavity size and speech. Oliver RG, et al. **Angle Orthod** 1986 Jul;56(3):234–43
Acoustic analyses of phonation in patients with Huntington's disease. Preliminary report. Ramig LA.
Ann Otol Rhinol Laryngol 1986 May–Jun;95(3 Pt 1):288–93
Articulation at age 4 in children with early repair of cleft palate. Ainoda N, et al. **Ann Plast Surg** 1985 Nov; 15(5):415–22
A comparative study of manic vs schizophrenic speech disorganization. Hoffman RE, et al.
Arch Gen Psychiatry 1986 Sep;43(9):831–8
'Inner speech' in conduction aphasia. Feinberg TE, et al. **Arch Neurol** 1986 Jun;43(6):591–3
1985 convention program. November 22–25, 1985, Washington. American Speech-Language-Hearing Association. Abstracts. **ASHA** 1985 Oct;27(10):54–225
Measurement of young children's total actual speaking time by a newly devised accumulator as an assessment of otitis media with effusion. Watanabe H, et al.
Auris Nasus Larynx 1985;12 Suppl 1:S239–40
Concordance and discordance in speech anxiety assessment: the effects of demand characteristics on the tripartite assessment method. Matias R Jr, et al. **Behav Res Ther** 1986; 24(5):537–45
Speech levels and speech-to-noise ratios. Markides A.
Br J Audiol 1986 May;20(2):115–20
Speech perception with the Vienna extra-cochlear single-channel implant: a comparison of two approaches to speech coding. Rosen S, et al. **Br J Audiol** 1986 Feb; 20(1):61–83
Can all schizophrenic speech be discriminated from normal speech? Allen HA. **Br J Clin Psychol** 1985 Sep;24 (Pt

3):209–10
Control, activation, and resource: a framework and a model for the control of speech in bilinguals. Green DW. **Brain Lang** 1986 Mar;27(2):210–23
Bound morpheme loss errors in normal and agrammatic speech: one mechanism or two? Stemberger JP. **Brain Lang** 1985 Jul;25(2):246–56
Using your voice: speech recognition technology in medicine and surgery. Akers GA. **Clin Plast Surg** 1986 Jul; 13(3):509–11
XXth Congress of the International Association of Logopedics and Phoniatrics. Tokyo, August 3–7, 1986. Abstracts. **Folia Phoniatr (Basel)** 1986;38(5–6):279–383
XXth Congress of the International Association of Logopedics and Phoniatrics. Tokyo, August 3–7, 1986. Main reports. **Folia Phoniatr (Basel)** 1986;38(2–4):61–276
Temporal aspects of speech and the aging process. Oyer HJ, et al. **Folia Phoniatr (Basel)** 1985;37(3–4):109–12
Oral airflow and air pressure during speech production: a comparative study of children, youths and adults. Stathopoulos ET, et al. **Folia Phoniatr (Basel)** 1985; 37(3–4):152–9
Neural dynamics of speech and language coding: developmental programs, perceptual grouping, and competition for short-term memory. Cohen M, et al. **Hum Neurobiol** 1986;5(1):1–22 (48 ref.)
Analysis of lexical and grammatical material during transient inactivation of the left and right cerebral hemispheres. Deglin VL, et al. **Hum Physiol** 1985 Jan–Feb;11(1):20–6
On the loudness of complex stimuli and its relationship to cochlear excitation. Cacace AT, et al. **J Acoust Soc Am** 1985 Nov;78(5):1568–73
A temporal analysis of auditory-nerve fiber responses to spoken stop consonant-vowel syllables. Carney LH, et al. **J Acoust Soc Am** 1986 Jun;79(6):1896–914
Consonant recognition in quiet as a function of aging among normal hearing subjects. Gelfand SA, et al. **J Acoust Soc Am** 1985 Oct;78(4):1198–206
Acoustic analysis and perception of vowels in stuttered speech. Howell P, et al. **J Acoust Soc Am** 1986 May; 79(5):1571–9
Glottal source-vocal tract interaction. Koizumi T, et al. **J Acoust Soc Am** 1985 Nov;78(5):1541–7
Reacquisition of contrastive stress in an adventitiously deaf speaker using a single-channel cochlear implant. Leder SB, et al. **J Acoust Soc Am** 1986 Jun;79(6):1967–74
Fundamental frequency correlates of stop consonant voicing and vowel quality in the speech of preadolescent children. Ohde RN. **J Acoust Soc Am** 1985 Nov;78(5):1554–61
Perceptual equivalence of acoustic cues that differentiate /r/ and /l/. Polka L, et al. **J Acoust Soc Am** 1985 Oct; 78(4):1187–97
Some observations on the development of anticipatory coarticulation. Repp BH. **J Acoust Soc Am** 1986 May; 79(5):1616–9
Perception of the [m]-[n] distinction in CV syllables. Repp BH. **J Acoust Soc Am** 1986 Jun;79(6):1987–99
Editorial comment and critique of "Syllable identification by children and adults for two task conditions". Repp BH. **J Acoust Soc Am** 1985 Oct;78(4):1435–6
Flat-spectrum speech. Schroeder MR, et al. **J Acoust Soc Am** 1986 May;79(5):1580–3
Intrinsic fundamental frequency of vowels in sentence context. Shadle CH. **J Acoust Soc Am** 1985 Nov; 78(5):1562–7
A speech-to-noise ratio measurement algorithm. Sims JT. **J Acoust Soc Am** 1985 Nov;78(5):1671–4
Visual feedback during speech production. Tye-Murray N. **J Acoust Soc Am** 1986 Apr;79(4):1169–71
The effects of multitalker and masker noise on fundamental frequency variability during spontaneous speech for children and adults. Rivers C, et al. **J Aud Res** 1985 Jan; 25(1):37–45
Extralinguistic speech characteristics of children with conduct and anxiety disorders. Kotsopoulos S, et al. **J Child Psychol Psychiatry** 1986 Jan;27(1):99–108
On fluency measures in aphasic speech. Feyereisen P, et al. **J Clin Exp Neuropsychol** 1986 Aug;8(4):393–404
Disturbances of the temporal organization of speech following bilateral thalamic surgery in a patient with Parkinson's disease. Canter GJ, et al. **J Commun Disord** 1985 Oct;18(5):329–49
Characterization of irrelevant speech: a case study. Drummond SS. **J Commun Disord** 1986 Jun;19(3):175–83
Speech performance in mania and schizophrenia: the association of positive and negative thought disorders and reference failures. Harvey PD, et al. **J Commun Disord** 1986 Jun;19(3):161–73
Altered acoustic cue discrimination in Broca's and conduction aphasics. Leeper HA Jr, et al. **J Commun Disord** 1986 Apr;19(2):83–103
Acoustic characteristics of vocal tension/harshness in the speech of the hearing impaired. Whitehead RL, et al. **J Commun Disord** 1985 Oct;18(5):351–61
Effect of experimentally induced stress on vocal parameters. Tolkmitt FJ, et al. **J Exp Psychol [Hum Percept]** 1986 Aug; 12(3):302–13
Modification of children's speech as a function of the perceived intellectual capacity of the listener. Milne J, et al. **J Ment Defic Res** 1985 Sep;29 (Pt 3):225–31
Turn-taking and overlap in the speech of young Down's syndrome children. Peskett R, et al. **J Ment Defic Res** 1985 Sep;29 (Pt 3):263–73
Qualifying phrases as a measure of spontaneity in speech. Weintraub W, et al. **J Nerv Ment Dis** 1985 Nov; 173(11):694–7
Standing ovation. A holistic approach to successful speaking. Veehoff DC. **J Nurs Adm** 1985 Oct;15(10):34–8
Language structure in social interaction: perceptions of direct and indirect speech acts and interactants who use them. Holtgraves T. **J Pers Soc Psychol** 1986 Aug;51(2):305–13
Incisal relationships during speech. Howell PG. **J Prosthet Dent** 1986 Jul;56(1):93–9
Continuing evaluation of the Queen's University tactile vocoder II: Identification of open set sentences and tracking narrative. Brooks PL, et al. **J Rehabil Res Dev** 1986 Jan;23(1):129–38
Continuing evaluation of the Queen's University tactile vocoder. I: Identification of open set words. Brooks PL, et al. **J Rehabil Res Dev** 1986 Jan;23(1):119–28
Speech communication for the deaf: visual, tactile, and cochlear-implant. Pickett JM. **J Rehabil Res Dev** 1986 Jan; 23(1):95–9
Some rehabilitative considerations for future speech-processing hearing aids. Revoile SG, et al. **J Rehabil Res Dev** 1986 Jan;23(1):89–94
Stuttering as involuntary loss of speech control: barking up a new tree [letter] Martin R, et al. **J Speech Hear Disord** 1986 May;51(2):187–91
Speech waveform perturbation analysis: a perceptual-acoustical comparison of seven measures. Askenfelt AG, et al. **J Speech Hear Res** 1986 Mar; 29(1):50–64
Onset of voicing in stuttered and fluent utterances. Borden GJ, et al. **J Speech Hear Res** 1985 Sep;28(3):363–72
Vocal/verbal response times of normal-hearing and hearing-impaired children. Fletcher SG, et al. **J Speech Hear Res** 1985 Dec;28(4):548–55
Acoustic dimensions of hearing-impaired speakers' intelligibility. Metz DE, et al. **J Speech Hear Res** 1985 Sep; 28(3):345–55
Mother and child speech rates as a variable in stuttering and disfluency. Meyers SC, et al. **J Speech Hear Res** 1985 Sep; 28(3):436–44
Empty speech in Alzheimer's disease and fluent aphasia. Nicholas M, et al. **J Speech Hear Res** 1985 Sep;28(3):405–10
Developmental trends in vocal fundamental frequency of young children. Robb MP, et al. **J Speech Hear Res** 1985 Sep;28(3):421–7
Comparison of amount of speech by physically handicapped children in large or small groups on a ward. Miura K. **Percept Mot Skills** 1986 Feb;62(1):171–7
Speech-mediated retention in dyslexics. Morais J, et al. **Percept Mot Skills** 1986 Feb;62(1):119–26
Microcomputers as aids in Gottschalk-Gleser rating. Deffner G. **Psychiatry Res** 1986 Jun;18(2):151–9
The analyst's words. Poland WS. **Psychoanal Q** 1986 Apr; 55(2):244–72
Vocal affect expression: a review and a model for future research. Scherer KR. **Psychol Bull** 1986 Mar;99(2):143–65 (120 ref.)
A spreading-activation theory of retrieval in sentence production. Dell GS. **Psychol Rev** 1986 Jul;93(3):283–321
Dreamed speech and speech muscle activity. Shimizu A, et al. **Psychophysiology** 1986 Mar;23(2):210–4
Isolating cognitive modules with the dual-task paradigm: are speech perception and production separate processes? Shallice T, et al. **Q J Exp Psychol [A]** 1985 Nov; 37(4):507–32
NORAM: calibration and operational advice for measuring nasality in cleft palate patients. Karling J, et al. **Scand J Plast Reconstr Surg** 1985;19(3):261–7
[Spectrographic analysis of vowels of the Afrikaans-speaking hearing- impaired patients] Meyer S. **S Afr J Commun Disord** 1985;32:51–6 (Eng. Abstr.) **(Afr)**
[Intonation and organization of utterances] Rossi M. **Phonetica** 1985;42(2–3):135–53 (Eng. Abstr.) **(Fre)**
[Flow dynamic studies of artificial tracheal tubes with speech valves] Hutten H, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Sep;64(9):492–7 (Eng. Abstr.) **(Ger)**
[Effect of the surgical displacement of the maxilla on speech] Orazvaliev AI, et al. **Stomatologiia (Mosk)** 1986 May–Jun; 65(3):59–61 (Eng. Abstr.) **(Rus)**
[Use of the external laryngeal microphone in glottis exploration with the application of the acoustic method of mean spectral amplitude] González Ortín M, et al. **An Otorrinolaringol Ibero Am** 1985;12(6):549–58 (Eng. Abstr.) **(Spa)**
[Use of the automated Cepstrum method in acoustic recordings obtained with an external laryngeal microphone] González Ortín M, et al. **An Otorrinolaringol Ibero Am** 1986;13(2):123–31 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

The effects of orthognathic surgery on speech production. Ruscello DM, et al. **Am J Orthod** 1986 Mar;89(3):237–41
Swallowing and speech production in Parkinson's disease. Robbins JA, et al. **Ann Neurol** 1986 Mar;19(3):283–7
Translation of Broca's 1865 report. Localization of speech in the third left frontal convolution. Berker EA, et al. **Arch Neurol** 1986 Oct;43(10):1065–72
Verbal-manual time sharing in children as a function of task priority. Hiscock M. **Brain Cogn** 1982 Jan;1(1):119–31
Brain stem evoked response suppression during speech production. Papanicolaou AC, et al. **Brain Lang** 1986 Jan; 27(1):50–5
Compensatory articulation in Broca's aphasia. Sussman H, et al. **Brain Lang** 1986 Jan;27(1):56–74
Observations on regional cerebral blood flow in cortical and subcortical structures during language production in normal man. Wallesch CW, et al. **Brain Lang** 1985 Jul; 25(2):224–33
Fundamental voice frequency measured by electroglottography during continuous speech. A new exact secondary sex characteristic in boys in puberty. Pedersen MF, et al. **Int J Pediatr Otorhinolaryngol** 1986 Feb;11(1):21–7
Contextual effects on lingual-mandibular coordination. Edwards J. **J Acoust Soc Am** 1985 Dec;78(6):1944–8
Articulatory asymmetries. Hamlet SL, et al. **J Acoust Soc Am** 1986 Apr;79(4):1164–9
Contextual effects on vowel duration, closure duration, and the consonant/vowel ratio in speech production. Luce PA, et al. **J Acoust Soc Am** 1985 Dec;78(6):1949–57
An examination of intra-articulator relative timing. Munhall KG. **J Acoust Soc Am** 1985 Nov;78(5):1548–53
Resonances of a bent vocal tract. Sondhi MM. **J Acoust Soc Am** 1986 Apr;79(4):1113–6
The acoustical significance of tongue, lip, and larynx maneuvers in rounded palatal vowels. Wood S. **J Acoust Soc Am** 1986 Aug;80(2):391–401
Airflow, volume, and durational characteristics of oral reading by the hearing-impaired. Itoh M, et al. **J Commun Disord** 1985 Oct;18(5):393–407
A vocal placement model: I. Perceptual aspects. Nichols AC, et al. **J Commun Disord** 1985 Oct;18(5):363–72
CT identification of cortical speech areas in the human brain. Gelbert F, et al. **J Comput Assist Tomogr** 1986 Jan–Feb; 10(1):39–46
Programming rapid generalization of correct articulation through self-monitoring procedures. Koegel LK, et al. **J Speech Hear Disord** 1986 Feb;51(1):24–32
Differential fine force control of the upper and lower lips. Barlow SM, et al. **J Speech Hear Res** 1986 Jun;29(2):163–9
Maximum voluntary closing forces in the upper and lower lips of humans. Barlow SM, et al. **J Speech Hear Res** 1985 Sep;28(3):373–6
EMG recording in human lip muscles: can single muscles be isolated? Blair C, et al. **J Speech Hear Res** 1986 Jun; 29(2):256–66
Interdigitating muscle fibers throughout orbicularis oris inferior: preliminary observations. Blair C. **J Speech Hear Res** 1986 Jun;29(2):266–9
Intraoral air pressure and oral air flow under different bleed and bite-block conditions. Putnam AH, et al. **J Speech Hear Res** 1986 Mar;29(1):37–49
Relationship between intraoral air pressure and vocal intensity in children and adults. Stathopoulos ET. **J Speech Hear Res** 1986 Mar;29(1):71–4
Effects of monitoring vocal intensity on oral air flow in children and adults. Stathopoulos ET. **J Speech Hear Res** 1985 Dec;28(4):589–93
Repetition in schizophrenic speech. Manschreck TC, et al. **Lang Speech** 1985 Jul–Sep;28 (Pt 3):255–68
Coarticulatory patterns and degrees of coarticulatory resistance in Catalan CV sequences. Recasens D. **Lang Speech** 1985 Apr–Jun;28 (Pt 2):97–114
Basal temporal language area demonstrated by electrical stimulation. Lüders H, et al. **Neurology** 1986 Apr; 36(4):505–10
Sex differences in the lateralization of language discrimination vs language production. Healey JM, et al. **Neuropsychologia** 1985;23(6):777–89
The effect of visual guidance and hemispace on lateralized vocal-manual interference. Lempert H, et al. **Neuropsychologia** 1985;23(5):691–5
Aspects of speech motor control: programing of repetitive versus non-repetitive speech. Schönle PW, et al. **Neurosci Lett** 1986 Jan 16;63(2):170–4
Sex differences in dual-task interference between speaking and a manual force-production task. Elliott D, et al. **Percept Mot Skills** 1986 Feb;62(1):3–8
Study of subglottal air pressure during Hindi stop consonants. Dixit RP, et al. **Phonetica** 1985;42(2–3):53–77
Coarticulation in Italian /VtV/ sequences: a palatographic study. Farnetani E, et al. **Phonetica** 1985;42(2–3):78–99
[The language of children born with a labiopalatovelar cleft] Dordain M, et al. **Rev Laryngol Otol Rhinol (Bord)** 1985; 106(4):307–10 (Eng. Abstr.) **(Fre)**
[The types of cerebral dominance in the dynamics of repeated dichotic testing] Trachenko OP. **Dokl Akad Nauk SSSR** 1986;288(2):509–12 **(Rus)**
[Adaptation of electromyographic analysis to psychological testing problems] Mel'nichuk KV. **Fiziol Cheloveka** 1986 Mar–Apr;12(2):336–7 **(Rus)**
[Space-time distribution of EEG activation during verbal-logical and visual-imaging activity] Orbachechevskaia GN, et al. **Fiziol Cheloveka** 1985 May–Jun;11(3):436–42 **(Rus)**
[Device for the joint study of visual tracking and speech activity] Karpova BA, et al. **Kosm Biol Aviakosm Med** 1985 Nov–Dec;19(6):80–2 **(Rus)**
[Relationship of the value of the latencies of sensorimotor reactions in 6- to 7-year-old children to the semantic and

intonational content of vocal commands] Selezneva LA, et al. **Zh Vyssh Nerv Deiat** 1986 Jan-Feb;36(1):28-9 (Rus)

SPEECH ACOUSTICS see under **SPEECH**

SPEECH, ALARYNGEAL

see related
LARYNX, ARTIFICIAL

Experiments in surgical voice restoration using valve prostheses. Karschay P, et al. **Acta Otolaryngol (Stockh)** 1986 Mar-Apr;101(3-4):341-7

Primary tracheoesophageal shunt operation for postlaryngectomy speech with sphincter mechanism. Amatsu M, et al. **Ann Otol Rhinol Laryngol** 1986 Jul-Aug; 95(4 Pt 1):373-6

A prospective study of tracheoesophageal speech. Blom ED, et al. **Arch Otolaryngol Head Neck Surg** 1986 Apr; 112(4):440-7

Primary tracheoesophageal shunt operation for postlaryngectomy voice restoration--a sphincter mechanism against aspiration. Amatsu M, et al. **Auris Nasus Larynx** 1985;12 Suppl 2:S200-5

Pitch perturbation measures of voice production of laryngectomees after the Amatsu tracheoesophageal shunt operation. Kinishi M, et al. **Auris Nasus Larynx** 1986; 13(1):53-62

Recent advances in the assessment of 'failed' oesophageal speakers. Perry A, et al. **Br J Disord Commun** 1985 Dec; 20(3):229-36

Uvulectomy and uvular sound. Ijaduola GT, et al. **East Afr Med J** 1984 Jun;61(6):490-2

Surgical voice restoration procedures for laryngectomees: a review. Evans BS, et al. **Folia Phoniatr (Basel)** 1985; 37(3-4):163-94 (49 ref.)

Reported dietary effects on esophageal voice production. Frith CK, et al. **Folia Phoniatr (Basel)** 1985;37(5-6):238-45

Production of lexical stress in alaryngeal speech. Gandour J, et al. **Folia Phoniatr (Basel)** 1985;37(5-6):279-86

Ratings of intelligibility of esophageal and tracheoesophageal speech. Cullinan WL, et al. **J Commun Disord** 1986 Jun; 19(3):185-95

Relationships between esophageal speech proficiency and surgical, biographical, and social factors. Frith C, et al. **J Commun Disord** 1985 Dec;18(6):475-83

Tracheo-oesophageal 'puncture speech'. An assessment technique for failed oesophageal speakers. Cheesman AD, et al. **J Laryngol Otol** 1986 Feb;100(2):191-9

The role of the upper oesophageal sphincter in voice rehabilitation after laryngectomy and Staffieri's procedure. Vuyk HD, et al. **J Laryngol Otol** 1986 Jan;100(1):59-68

Tracheo-esophageal puncture--literature review and case reports. Atkinson SI. **J Otolaryngol** 1984 Oct;13(5):315-7

Voice rehabilitation after laryngectomy with the Groningen prosthesis. Manni JJ, et al. **J Otolaryngol** 1984 Oct; 13(5):333-6

Primary tracheo-esophageal puncture voice restoration with laryngectomy. Morrison MD, et al. **J Otolaryngol** 1986 Apr;15(2):69-73

Acoustic and physiologic correlates of the voicing distinction in esophageal speech. Connor NP, et al. **J Speech Hear Disord** 1985 Nov;50(4):378-84

Another perspective on esophageal insufflation testing: a response to McGarvey and Weinberg (1984) [letter] Doyle PC. **J Speech Hear Disord** 1985 Nov;50(4):408-10

Production of syntactic stress in alaryngeal speech. Gandour J, et al. **Lang Speech** 1985 Jul-Sep;28 (Pt 3):295-306

Tracheoesophageal speech failure in the laryngectomee: the role of constrictor myotomy. Henley J, et al. **Laryngoscope** 1986 Sep;96(9 Pt 1):1016-20

Functional tracheoesophageal shunt for vocal rehabilitation after laryngectomy. Li SL. **Laryngoscope** 1985 Oct; 95(10):1267-71

Vocal restorative surgery: why wait? Trudeau MD, et al. **Laryngoscope** 1986 Sep;96(9 Pt 1):975-7

[A new procedure for reconstruction of the voice--neoglottis of small intestine] Roka R, et al. **Langenbecks Arch Chir** 1985;366:145-7 (Eng. Abstr.) (Ger)

[Somatic, psychic and speech rehabilitation of laryngectomized patients. Round table discussion] Hahn M, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Jul;65(7):395-8 (Ger)

[A simple speech intelligibility test in the evaluation of voice rehabilitation of laryngectomized patients] Zenner HP, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 May;65(5):271-6 (Eng. Abstr.) (Ger)

[Total laryngectomy and phoniatrics] Bonet i Agusti M. **An Otorrinolaringol Ibero Am** 1985;12(5):409-16 (Eng. Abstr.) (Spa)

INSTRUMENTATION

A speaking endotracheal tube. Walsh JJ, et al. **Anesthesiology** 1985 Dec;63(6):703-5

Evaluation of the electrolarynx in the short-term hospital setting. Adler JJ, et al. **Chest** 1986 Mar;89(3):407-9

Speech aid use following laryngectomy: a review of current practice and attitudes. Sloane P. **Ir Med J** 1985 Sep; 78(9):264-8

Esophageal speech: double-contrast evaluation of the pharyngo-esophageal segment [letter] Timmons JH, et al. **Radiology** 1986 Sep;160(3):852

[AG-80 voice-producing device] Guz' AV, et al. **Med Tekh** 1986 Jan-Feb;(1):61-2 (Rus)

METHODS

Aerodynamic studies of laryngectomees after the Amatsu tracheoesophageal shunt operation. Kinishi M, et al. **Ann Otol Rhinol Laryngol** 1986 Mar-Apr;95(2 Pt 1):181-4

Jejunal grafts for reconstructing a phonatory neoglottis in laryngectomized patients. Ehrenberger K, et al. **Arch Otorhinolaryngol** 1985;242(2):217-23

Tracheoesophageal puncture for voice restoration after laryngectomy. Wolf CL, et al. **J La State Med Soc** 1986 Apr;138(4):11-4

Pharyngeal plexus neurectomy for alaryngeal speech rehabilitation. Singer MI, et al. **Laryngoscope** 1986 Jan; 96(1):50-4

[Vocal rehabilitation of laryngectomized patients using the Staffieri method. Analysis and late results] Klima A, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 May;65(5):268-70 (Eng. Abstr.) (Ger)

[Quality of ructus voice following pharyngolaryngoesophagectomy] Lamprecht A. **Laryngol Rhinol Otol (Stuttg)** 1986 May;65(5):277-81 (Eng. Abstr.) (Ger)

[Study of the voice in phonatory fistuloplastias] Vea Orte JC, et al. **An Otorrinolaringol Ibero Am** 1985;12(6):569-75 (Spa)

SPEECH ARTICULATION TESTS see under **SPEECH PRODUCTION MEASUREMENT**

SPEECH DISCRIMINATION see **SPEECH PERCEPTION**

SPEECH DISCRIMINATION TESTS

Normal intelligibility functions for the Auditec CID W-22 test at 30% and 60% time-compression. Beattie RC. **Am J Otol** 1986 Jan;7(1):60-4

Use of the California Consonant Test in evaluating hearing aids. Edgerton BJ, et al. **Am J Otol** 1986 Mar;7(2):104-9

Comparison of different speech processing strategies on patients receiving the same implant. Simmons FB, et al. **Ann Otol Rhinol Laryngol** 1986 Jan-Feb;95(1 Pt 1):71-5

Long-term effects of focal, cortical injuries upon articulation and discrimination performance. Tobey EA, et al. **Cortex** 1985 Dec;21(4):551-65

Older persons' performance on auditory, visual, and auditory-visual presentations of the Edgerton and Danhauer Nonsense Syllable Test. Danhauer JL, et al. **Ear Hear** 1985 Jul-Aug;6(4):191-7

Effects of noise on NST and NU 6 stimuli. Danhauer JL, et al. **Ear Hear** 1985 Sep-Oct;6(5):266-9

Comparison of speech recognition-in-noise and subjective communication assessment. Rowland JP, et al. **Ear Hear** 1985 Nov-Dec;6(6):291-6

Effects of frequency response characteristics on speech discrimination and perceived intelligibility and pleasantness of speech for hearing-impaired listeners. Byrne D. **J Acoust Soc Am** 1986 Aug;80(2):494-504

Speech-reception threshold in noise with one and two hearing aids. Festen JM, et al. **J Acoust Soc Am** 1986 Feb; 79(2):465-71

A speech-to-noise ratio test with the bone-anchored hearing aid: a comparative study. Carlsson P, et al. **Otolaryngol Head Neck Surg** 1986 Apr;94(4):421-6

[Pretreatment of the speech signal and parametric description of laryngeal pathology on the acoustic level] Schoentgen J. **Acta Otorhinolaryngol Belg** 1986;40(2):386-94 (Eng. Abstr.) (Fre)

[Distorted Freiburg Speech Test] Dieroff HG, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Sep;64(9):466-9 (Eng. Abstr.) (Ger)

[Speech discrimination in environment-specific noise] von Wedel H. **Laryngol Rhinol Otol (Stuttg)** 1985 Aug; 64(8):430-5 (Eng. Abstr.) (Ger)

METHODS

On prediction of hearing disability. Parving A, et al. **Audiology** 1986;25(3):129-35

Interlist equivalencies for a numeral and a vowel/consonant multiple-choice monosyllabic test for severely/profoundly deaf young adults. Webster JC. **J Aud Res** 1984 Jan; 24(1):17-33

Rollover measurements with Auditec NU-6 word lists. Meyer DH, et al. **J Speech Hear Disord** 1985 Nov; 50(4):356-60

Continuous speech sampling for phonologic analyses of speech-delayed children. Shriberg LD, et al. **J Speech Hear Disord** 1985 Nov;50(4):323-34

Vowel perception: experiments with a single-electrode cochlear implant. Doyle KJ, et al. **J Speech Hear Res** 1986 Jun;29(2):179-92

Masked and filtered simulation of hearing loss: effects on consonant recognition. Fabry DA, et al. **J Speech Hear Res** 1986 Jun;29(2):170-8

Effects of aging on response criteria in speech-recognition tasks. Gordon-Salant S. **J Speech Hear Res** 1986 Jun; 29(2):155-62

Use of a monosyllabic adaptive speech test (MAST) with young children. Mackie K, et al. **J Speech Hear Res** 1986 Jun;29(2):275-81

A signal-to-noise ratio model for the speech-reception threshold of the hearing impaired. Plomp R. **J Speech Hear Res** 1986 Jun;29(2):146-54

Word recognition performance with modified CID W-22 word lists. Runge CA, et al. **J Speech Hear Res** 1985 Sep; 28(3):355-62

[Auditory localization and speech perception in noise. Preliminary study concerning 5 cases of perceptual deafness] Canévet G, et al. **Ann Otolaryngol Chir Cervicofac** 1986;103(1):1-8 (Eng. Abstr.) (Fre)

STANDARDS

Analysis and revision of the minimal auditory capabilities (MAC) battery. Owens E, et al. **Ear Hear** 1985 Nov-Dec; 6(6):280-90

SPEECH DISORDERS

see related
VELOPHARYNGEAL INSUFFICIENCY

XXth Congress of the International Association of Logopedics and Phoniatrics. Tokyo, August 3-7, 1986. Abstracts. **Folia Phoniatr (Basel)** 1986;38(5-6):279-383

XXth Congress of the International Association of Logopedics and Phoniatrics. Tokyo, August 3-7, 1986. Main reports. **Folia Phoniatr (Basel)** 1986;38(2-4):61-276

Reactions of college students to speech disorders. McKinnon SL, et al. **J Commun Disord** 1986 Feb;19(1):75-82

Effect of syllable stress and serial position on error variability in polysyllabic productions of speech-delayed children. Klein HB, et al. **J Speech Hear Disord** 1985 Nov; 50(4):391-402

CHEMICALLY INDUCED

Speech blockage induced by maprotiline [letter] Sandyk R. **Am J Psychiatry** 1986 Mar;143(3):391-2

[Clinical and electroencephalographic signs of side effects in patients after myelography using "amipaque"] Dobrzyńska L, et al. **Neurol Neurochir Pol** 1985 May-Jun; 19(3):221-6 (Eng. Abstr.) (Pol)

CLASSIFICATION

Phonological versus phonetic disorders: some suggested modifications to the current use of the distinction. Hewlett N. **Br J Disord Commun** 1985 Aug;20(2):155-64

COMPLICATIONS

Articulatory disorders in speech as related to the position of the incisors. Laine T, et al. **Eur J Orthod** 1985 Nov; 7(4):260-6

Narrative speech deficits in dyslexics. Davenport L, et al. **J Clin Exp Neuropsychol** 1986 Aug;8(4):347-61

DIAGNOSIS

Orientation examination scheme of disorders of speech and of other communication systems. Hrbek V, et al. **Acta Univ Palacki Olomuc Fac Med** 1985;112:77-80

Characteristics of verbal impairment in closed head injured patients. Sarno MT, et al. **Arch Phys Med Rehabil** 1986 Jun;67(6):400-5

Language and learning skills of hearing-impaired students. Speech evaluation. Osberger MJ, et al. **ASHA Monogr** 1986 Mar;(23):24-31

Methods of assessing speech in relation to velopharyngeal function. Van Demark D, et al. **Cleft Palate J** 1985 Oct; 22(4):281-5

Syndromes, communicative disorders, and black children. Meyerson MD, et al. **J Natl Med Assoc** 1986 May; 78(5):409-19

Continuous speech sampling for phonologic analyses of speech-delayed children. Shriberg LD, et al. **J Speech Hear Disord** 1985 Nov;50(4):323-34

Pediatric videonasoendoscopy for speech and voice evaluation. D'Antonio L, et al. **Otolaryngol Head Neck Surg** 1986 Jun;94(5):578-83

Speech and language impairment and psychiatric risk. Toward a model of neurodevelopmental immaturity. Beitchman JH. **Psychiatr Clin North Am** 1985 Dec; 8(4):721-35

[Dyslalia in question] Vidal MM. **Folia Phoniatr (Basel)** 1985; 37(3-4):139-51 (Eng. Abstr.) (Fre)

[Delayed speech ad language development. Need for a combined phoniatric-psychologic diagnosis] Goorhuis-Brouwer SM. **Folia Phoniatr (Basel)** 1986; 38(1):22-4 (Ger)

[Detailed neurologic findings in speech-disordered school children] Rentz R, et al. **Klin Padiatr** 1986 Mar-Apr; 198(2):107-13 (Eng. Abstr.) (Ger)

[Speech disorders in childhood] Majewska Z, et al. **Psychiatr Neurol Med Psychol Beih** 1970;13-14:94-9 (Eng. Abstr.) (Ger)

ETIOLOGY

Orientation examination scheme of disorders of speech and of other communication systems. Hrbek V, et al. **Acta Univ Palacki Olomuc Fac Med** 1985;112:77-80

Expressive communication disorders in persons with multiple sclerosis: a survey. Beukelman DR, et al.

Arch Phys Med Rehabil 1985 Oct;66(10):675–7
An unusual but easily treatable cause of dysphagia and dysarthria complicating stroke. Wright AJ.
Br Med J [Clin Res] 1985 Nov 16;291(6506):1412–3
Putaminal hemorrhage presenting as dysarthria–clumsy hand syndrome. Fisher M. **Bull Clin Neurosci** 1984;49:1–3
Speech processing ability in alcoholics: a transient impairment and its relation to field dependence. Steiger H, et al. **Drug Alcohol Depend** 1985 Sep;16(1):39–50
Intonation and pausing in deaf speech. Stathopoulos ET, et al. **Folia Phoniatr (Basel)** 1986;38(1):1–12
Speech and language disorders in histidinaemia and other amino acid disturbances. Hyánek J, et al.
J Inherited Metab Dis 1985;8 Suppl 2:130
Characteristics of children with phonologic disorders of unknown origin. Shriberg LD, et al.
J Speech Hear Disord 1986 May;51(2):140–61
[Speech disorders in patients with cerebrovascular accidents] Li XT.
Chung Hua Shen Ching Ching Shen Ko Tsa Chih 1986 Apr; 19(2):112–6 (Eng. Abstr.) **(Chi)**
[Disorders of glottic rhythm] Dejonckere PH.
Acta Otorhinolaryngol Belg 1985;39(5):837–43 (Eng. Abstr.) **(Fre)**
[Causal connection or coincidence? (letter)] Gyuris J, et al. **Orv Hetil** 1986 Feb 23;127(8):490 **(Hun)**
[The physician and language disorders] Tripodi D, et al. **Clin Ter** 1986 Jan 31;116(2):141–6 (15 ref.) (Eng. Abstr.) **(Ita)**
[Pure anarthria in a dextral due to a small infarction in the right hemisphere] Tanaka M, et al. **Rinsho Shinkeigaku** 1986 Feb;26(2):149–55 (Eng. Abstr.) **(Jpn)**
[Speech development in children with multiple defects: multiplication or summation of retarding factors?] Zaleski T. **Otolaryngol Pol** 1985;39(4):327–30 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Speech disturbances (cluttering) in mildly impaired males with the Martin–Bell/fragile X syndrome. Hanson DM, et al. **Am J Med Genet** 1986 Jan–Feb;23(1–2):195–206
Report of a case and further delineation of the SHORT syndrome. Toriello HV, et al. **Am J Med Genet** 1985 Oct; 22(2):311–4
Speech disorders associated with histidinemia and other hereditary disorders of amino acid metabolism. Raisová V, et al. **Folia Phoniatr (Basel)** 1986;38(1):43–8
Evidence for an X-linked modifier gene affecting the expression of Tourette syndrome and its relevance to the increased frequency of speech, cognitive, and behavioral disorders in males. Comings DE, et al.
Proc Natl Acad Sci USA 1986 Apr;83(8):2551–5

METABOLISM

Metabolism of histidine in children with speech abnormalities. 1. Histidase activity in stratum corneum. Pieniażek D, et al. **Acta Med Pol** 1985;26(1–2):27–36

OCCURRENCE

Prevalence of psychiatric disorders in children with speech and language disorders. Beitchman JH, et al.
J Am Acad Child Psychiatry 1986 Jul;25(4):528–35
Prevalence of speech and language disorders in 5-year-old kindergarten children in the Ottawa–Carleton region. Beitchman JH, et al. **J Speech Hear Disord** 1986 May; 51(2):98–110
Speech disorders among college freshmen: a 13-year survey. Culton GL. **J Speech Hear Disord** 1986 Feb;51(1):3–7

PHYSIOPATHOLOGY

Disorders of speech and of associated communication systems in expansive processes of CNS. Jemelík R.
Acta Univ Palacki Olomuc Fac Med 1985;112:65–76
Comment on the terms "phonetics" and "phonology" as applied in the investigation of speech disorders. Grunwell P.
Br J Disord Commun 1985 Aug;20(2):165–70
Articulatory and voicing characteristics of adult dysarthric and verbal dyspraxic speakers: an instrumental study. Hardcastle WJ, et al. **Br J Disord Commun** 1985 Dec; 20(3):249–70
Anticipatory coarticulation in a patient with apraxia of speech. Ziegler W, et al. **Brain Lang** 1985 Sep;26(1):117–30
Contribution of selected variables to the prediction of speech proficiency for adolescents with cleft lip and palate. Hardin MA, et al. **Cleft Palate J** 1986 Jan;23(1):10–23
Effect of speaking rate on judgments of disordered speech in children with cleft palate. Jones DL, et al.
Cleft Palate J 1985 Oct;22(4):246–52
Relation between nasal/voice accelerometric values and interval estimates of hypernasality. Reich AR, et al.
Cleft Palate J 1985 Oct;22(4):237–45
Speech and the left hemisphere: what Broca actually said. Eling P. **Folia Phoniatr (Basel)** 1986;38(1):13–5
Pathophysiology of motor speech disorders (dysarthria). Hirose H. **Folia Phoniatr (Basel)** 1986;38(2–4):61–88 (46 ref.)
Phonological and syntactic effects in silent reading in aphasics with apraxia of speech. O'Connell PF, et al.
Folia Phoniatr (Basel) 1985;37(5–6):265–70
Tongue strength and alternate motion rates in normal and dysarthric subjects. Dworkin JP, et al.
J Commun Disord 1986 Apr;19(2):115–32
Some effects of congenital spasticity on fundamental frequency. Jacques RD, et al. **Percept Mot Skills** 1985 Aug; 61(1):75–80

PSYCHOLOGY

Thought, language, communication, and affective flattening in autistic adults. Rumsey JM, et al.
Arch Gen Psychiatry 1986 Aug;43(8):771–7
Phonological analysis and speech disorders: a comment. Milroy L. **Br J Disord Commun** 1985 Aug;20(2):171–9
Language and speech in a patient with a clinical diagnosis of progressive supranuclear palsy. Lebrun Y, et al.
Brain Lang 1986 Mar;27(2):247–56
Disturbances of the temporal organization of speech following bilateral thalamic surgery in a patient with Parkinson's disease. Canter GJ, et al. **J Commun Disord** 1985 Oct;18(5):329–49
Alterations in communication. Biopsychosocial aspects of aphasia, dysarthria, and right hemisphere syndromes in the stroke patient. Pimental PA. **Nurs Clin North Am** 1986 Jun; 21(2):321–37 (55 ref.)
[The silent child, a case of elective mutism] Kuyper AE, et al. **Ned Tijdschr Geneeskd** 1985 Oct 12;129(41):1953–5 **(Dut)**

REHABILITATION

Two factors related to effective voice interpreting. Hurwitz TA. **Am Ann Deaf** 1986 Jul;131(3):248–52
Voice recognition device as a computer interface for motor and speech impaired people. Fried-Oken M.
Arch Phys Med Rehabil 1985 Oct;66(10):678–81
Speech rehabilitation outcome after Blom–Singer tracheoesophageal puncture. Pretsfelder LH, et al.
Arch Phys Med Rehabil 1985 Dec;66(12):814–7
Joint Commission for the Accreditation of Hospitals 1986 rehabilitation standards. White SC. **ASHA** 1986 Apr; 28(4):25–7
Rehabilitation of the communicatively impaired. Harrison M, et al. **Cleve Clin Q** 1985 Fall;52(3):345–9
Social skills training to enhance the interpersonal adjustment of a speech and hearing impaired adult. Tisdelle DA, et al. **J Commun Disord** 1986 Jun;19(3):197–207
Comparison of nonspeaking and speaking mentally retarded adults' clarification strategies. Calculator SN, et al.
J Speech Hear Disord 1986 Aug;51(3):252–9

THERAPY

Syllabic complexity and its relation to speech intelligibility in a deaf population. Porter KA, et al. **Am Ann Deaf** 1986 Mar;131(1):36–42
The delivery of speech-language and audiology services in home care. **ASHA** 1986 May;28(5):49–52
Public school caucus: a professional partnership. Maxwell S. **ASHA** 1986 May;28(5):26
Technology in the schools. Palin MW, et al. **ASHA** 1986 May;28(5):35
Characteristics of clinical services provided by ASHA members. Shewan CM. **ASHA** 1986 Jan;28(1):29
Speech-language-hearing services in the public schools—a class act. Signer MB. **ASHA** 1986 May;28(5):18–21
Modification of breath patterning to increase naturalness of a mildly dysarthric speaker. Bellaire K, et al.
J Commun Disord 1986 Aug;19(4):271–80
A computer-controlled vowel corrector for the hearing impaired. Povel DJ, et al. **J Speech Hear Res** 1986 Mar; 29(1):99–105
A fluency-based programme with a clutterer: a case study. Cohn B, et al. **S Afr J Commun Disord** 1985;32:38–44

SPEECH, ESOPHAGEAL see under **SPEECH, ALARYNGEAL**

SPEECH INTELLIGIBILITY

see related
SPEECH PRODUCTION MEASUREMENT

Technique for measuring the vocal penetrating capacity of the spoken voice. Pahn J, et al.
Acta Otolaryngol (Stockh) 1986 Jul–Aug;102(1–2):146–51
Information transmission with an eight channel bipolar cochlear implant. Acoustic simulation experiments. van Durme M, et al. **Acta Otorhinolaryngol Belg** 1985; 39(4):691–8
Two factors related to effective voice interpreting. Hurwitz TA. **Am Ann Deaf** 1986 Jul;131(3):248–52
Syllabic complexity and its relation to speech intelligibility in a deaf population. Porter KA, et al. **Am Ann Deaf** 1986 Mar;131(1):36–42
A comparison of three speech intelligibility measures for deaf students. Porter KF, et al. **Am Ann Deaf** 1985 Dec; 130(6):514–25
Functional analysis of treatment of oral cavity cancer. Teichgraeber J, et al.
Arch Otolaryngol Head Neck Surg 1986 Sep;112(9):959–65
When is enough enough? Eger DL, et al. **ASHA** 1986 May; 28(5):23–5
Language and learning skills of hearing-impaired students. Speech evaluation. Osberger MJ, et al. **ASHA Monogr** 1986 Mar;(23):24–31
Age at fitting of hearing aids and speech intelligibility. Markides A. **Br J Audiol** 1986 May;20(2):165–7
Contribution of selected variables to the prediction of speech proficiency for adolescents with cleft lip and palate. Hardin MA, et al. **Cleft Palate J** 1986 Jan;23(1):10–23
Pediatric hearing aid evaluation: case reports. Jerger S, et al. **Ear Hear** 1985 Sep–Oct;6(5):240–4
Intelligibility of vowels sung by a countertenor. Gottfried TL, et al. **J Acoust Soc Am** 1986 Jan;79(1):124–30
Comparison of amplification systems in an auditorium. Nábělek AK, et al. **J Acoust Soc Am** 1986 Jun;79(6):2078–82
Consonant influences on vowel duration as a function of speech intelligibility for hearing-impaired individuals. Whitehead RL. **J Acoust Soc Am** 1986 Jun;79(6):2084–8
Speech intelligibility of deaf speakers and distinctive feature usage. Mencke EO, et al. **J Aud Res** 1984 Jan;24(1):63–8
The relative effects of three expressive methods upon the speech intelligibility of profoundly deaf speakers. Brentari D, et al. **J Commun Disord** 1986 Jun;19(3):209–18
Ratings of intelligibility of esophageal and tracheoesophageal speech. Cullinan WL, et al. **J Commun Disord** 1986 Jun; 19(3):185–95
Comparison of nonspeaking and speaking mentally retarded adults' clarification strategies. Calculator SN, et al.
J Speech Hear Disord 1986 Aug;51(3):252–9
Acoustic and physiologic correlates of the voicing distinction in esophageal speech. Connor NP, et al.
J Speech Hear Disord 1985 Nov;50(4):378–84
Marking word boundaries to improve the intelligibility of the speech of the deaf. Maassen B. **J Speech Hear Res** 1986 Jun;29(2):227–30
Acoustic dimensions of hearing-impaired speakers' intelligibility. Metz DE, et al. **J Speech Hear Res** 1985 Sep; 28(3):345–55
Cochlear implants in children: speech production and auditory discrimination. Eisenberg LS, et al.
Otolaryngol Clin North Am 1986 May;19(2):409–21
[Personal experience with a unicanal extracochlear implant in reference to rehabilitation in total bilateral deafness. Multicenter study. Preliminary report] Gersdorff M, et al. **Acta Otorhinolaryngol Belg** 1985;39(4):705–19 (Eng. Abstr.) **(Fre)**
[A simple speech intelligibility test in the evaluation of voice rehabilitation of laryngectomized patients] Zenner HP, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 May;65(5):271–6 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Transcribing phonetic detail in the speech of unintelligible children: a comparison of procedures. Amorosa H, et al.
Br J Disord Commun 1985 Dec;20(3):281–7

SPEECH PATHOLOGY

Business, marketing, ethics, and professionalism. An annotated bibliography. **ASHA** 1986 Mar;28(3):27–35
Professional services programs accredited by the Professional Services Board and those in the accreditation process May 1, 1986. **ASHA** 1986 Jun;28(6):65–8
Characteristics of state licensure laws. **ASHA** 1986 Jun; 28(6):37–42
ASHA interviews: Perspectives on licensure [interview] **ASHA** 1986 Jun;28(6):19–23
Licensure activity in unlicensed states. **ASHA** 1986 Jun; 28(6):43
Asking questions. Flower RM. **ASHA** 1985 Dec;27(12):21–5
ASHA's Foundation celebrates it's 40th anniversary. American Speech-Language-Hearing Association. Gelatt JP. **ASHA** 1986 Aug;28(8):23–6
Computer usage in the speech-language-hearing profession. Hyman CS. **ASHA** 1985 Nov;27(11):25
ASHA interviews Kenneth O. Johnson [interview by Russel L. Malone] Johnson KO. **ASHA** 1985 Sep;27(9):25–9
A political profile of the American Speech-Language-Hearing Association. Kingsley RP. **ASHA** 1985 Nov;27(11):27–30
An important force in our future [editorial] Kleffner FR. **ASHA** 1986 Aug;28(8):27–8
Licensure in speech-language pathology and audiology. The questions/the answers. Lynch C, et al. **ASHA** 1986 Jun; 28(6):33–6
Harm to the public: is it real? Lynch C. **ASHA** 1986 Jun; 28(6):25–31
Professional liability in speech-language pathology and audiology. Miller TD, et al. **ASHA** 1986 Jun;28(6):45–7
Working parents: leave of absence and child care. Shewan CM. **ASHA** 1986 May;28(5):37
Flexibility of single-subject experimental designs. Part III: Using flexibility to design or modify experiments. Connell PJ, et al. **J Speech Hear Disord** 1986 Aug;51(3):214–25
Flexibility of single-subject experimental designs. Part II: Design selection and arrangement of experimental phases. Kearns KP. **J Speech Hear Disord** 1986 Aug;51(3):204–14
Flexibility of single-subject experimental designs. Part I: Review of the basics of single-subject designs. McReynolds LV, et al. **J Speech Hear Disord** 1986 Aug;51(3):194–203

ECONOMICS

More than a billion in earnings. Hyman CS. **ASHA** 1986 Jul; 28(7):31–5

EDUCATION

Learning disabilities: issues in the preparation of professional personnel. **ASHA** 1985 Sep;27(9):49–51
Student computer facilities. A guide to strategic planning. Chial MR. **ASHA** 1986 Aug;28(8):37–40
Graduate education in gerontology. Raiford CA, et al. **ASHA** 1985 Sep;27(9):37–43
Continuing education—a growing trend for the 80s. Shewan CM. **ASHA** 1986 Aug;28(8):35
Gerontological training for speech–language pathologists: an initial assessment of the need and benefits. Webb L, et al. **Gerontol Geriatr Educ** 1985 Fall;6(1):37–49

HISTORY

[An anniversary of Czechoslovak phoniatry] Novák A. **Sb Lek** 1986 Jun;88(6):161–2 (Eng. Abstr.) **(Cze)**

INSTRUMENTATION

NORAM: calibration and operational advice for measuring nasality in cleft palate patients. Karling J, et al. **Scand J Plast Reconstr Surg** 1985;19(3):261–7

MANPOWER

Survey of ASHA members employed in school settings. Report of the committee on language, speech and hearing services in the schools. **ASHA** 1986 May;28(5):27–8

METHODS

Psychological scaling of speech by students in training compared to that by experienced speech–language pathologists. Schliesser HF. **Percept Mot Skills** 1985 Dec; 61(3 Pt 2):1299–302

TRENDS

Collective bargaining: what can it do for you? Dublinske S. **ASHA** 1986 May;28(5):31–4
The 1985 Omnibus Survey. Implications for strategic planning. Hyman CS. **ASHA** 1986 Apr;28(4):19–22

SPEECH PERCEPTION

Perception of connected speech without lipreading, using a multi–channel hearing prosthesis. Dowell RC, et al. **Acta Otolaryngol (Stockh)** 1986 Jul–Aug;102(1–2):7–11
Information transmission with an eight channel bipolar cochlear implant. Acoustic simulation experiments. van Durme M, et al. **Acta Otorhinolaryngol Belg** 1985; 39(4):691–8
Phonemic confusions in quiet and noise for the hearing–impaired. Dreschler WA. **Audiology** 1986; 25(1):19–28
Recognition of digitized CV syllables in multitalker babble. Gordon–Salant S. **Audiology** 1985;24(4):241–53
Identification of synthetic, voiced stop–consonants by hearing–impaired listeners. Raz I, et al. **Audiology** 1985; 24(6):437–48
Removal and diversion tactics and the control of auditory hallucinations. Allen HA, et al. **Behav Res Ther** 1985; 23(5):601–5
Improvements in speech intelligibility in quiet and in noise produced by two–channel compression hearing aids. Moore BC, et al. **Br J Audiol** 1985 Aug;19(3):175–87
The perception of stress and lateralization of prosody. Behrens SJ. **Brain Lang** 1985 Nov;26(2):332–48
Effects of thematic structure on syntactic comprehension in aphasia. Cannito MP, et al. **Brain Lang** 1986 Jan;27(1):38–49
Assignment of thematic roles to nouns in sentence comprehension by an agrammatic patient. Caplan D, et al. **Brain Lang** 1986 Jan;27(1):117–34
Subject variable effects in correlations between auditory and visual language processing asymmetries. Dagenbach D. **Brain Lang** 1986 May;28(1):169–77
Recognition of derivations in Broca's aphasics. Eling P. **Brain Lang** 1986 Jul;28(2):346–56
Proper and common nouns: form class judgments in Broca's aphasia. Grossman M, et al. **Brain Lang** 1986 May; 28(1):114–25
Voice onset time perception in Japanese aphasic patients. Itoh M, et al. **Brain Lang** 1986 May;28(1):71–85
Real–time comprehension processes in agrammatism: a case study. Tyler LK. **Brain Lang** 1985 Nov;26(2):259–75
Disruption of reference in aging. Ulatowska HK, et al. **Brain Lang** 1986 May;28(1):24–41
Temporal coordination of arm movements in early infancy: do infants move in synchrony with adult speech? Dowd JM, et al. **Child Dev** 1986 Jun;57(3):762–76
Adult and child discrimination of CV syllables differing in voicing onset time. Elliott LL, et al. **Child Dev** 1986 Jun; 57(3):628–35
Dichotic listening of verbal and non verbal material by Down's syndrome children and children of normal intelligence. Bowler DM, et al. **Cortex** 1985 Dec; 21(4):637–44
Reaction times of four year old children to monaurally presented verbal stimuli: some evidence for right–hemisphere linguistic function. Cousino ME, et al. **Cortex** 1985 Sep;21(3):445–52
Auditory performance of children with unilateral sensorineural hearing loss. Bess FH, et al. **Ear Hear** 1986 Feb;7(1):20–6
An evaluation of the test for auditory comprehension of language. Brown JR. **Ear Hear** 1986 Aug;7(4):255–6
Relative effects of low–frequency amplification on syllable recognition and speech quality. Punch JL, et al. **Ear Hear** 1986 Apr;7(2):57–62
The relationship between the visual contribution to speech perception and lipreading ability during focused and divided attention. Rigo TG. **Ear Hear** 1986 Aug; 7(4):266–72
Comparison of speech recognition–in–noise and subjective communication assessment. Rowland JP, et al. **Ear Hear** 1985 Nov–Dec;6(6):291–6
Topography of visual event–related potentials during geometric and phonetic discriminations. Lovrich D, et al. **Electroencephalogr Clin Neurophysiol** 1986 Jan;65(1):1–12
The systematic use of semantic and acoustic processing by younger and older adults. West RL, et al. **Exp Aging Res** 1985 Summer;11(2):81–6
Some effects of training on the perception of synthetic speech. Schwab EC, et al. **Hum Factors** 1985 Aug; 27(4):395–408
Effects of speech rate and pitch contour on the perception of synthetic speech. Slowiaczek LM, et al. **Hum Factors** 1985 Dec;27(6):701–12
Physiological and acoustic aspects of improvement of speech reception in nerve and conduction deafness. Moroz BS. **Hum Physiol** 1985 Mar–Apr;11(2):102–7
Perception of pitch movement on tonic syllables in British English. Ainsworth WA, et al. **J Acoust Soc Am** 1986 Feb; 79(2):472–80
Log–linear modeling of consonant confusion data. Bell TS, et al. **J Acoust Soc Am** 1986 Feb;79(2):518–25
Speechreading supplemented with auditorily presented speech parameters. Breeuwer M, et al. **J Acoust Soc Am** 1986 Feb;79(2):481–99
Vibrotactile perception of suprasegmental features of speech: a comparison of single–channel and multichannel instruments. Carney AE, et al. **J Acoust Soc Am** 1986 Jan; 79(1):131–40
The use of auditory and phonetic memory in vowel discrimination. Cowan N, et al. **J Acoust Soc Am** 1986 Feb; 79(2):500–7
Mistuning a harmonic of a vowel: grouping and phase effects on vowel quality. Darwin CJ, et al. **J Acoust Soc Am** 1986 Mar;79(3):838–45
Articulation index predictions of contextually dependent words. Dirks DD, et al. **J Acoust Soc Am** 1986 Jul; 80(1):82–92
Relations between psychophysical data and speech perception for hearing–impaired subjects. II. Dreschler WA, et al. **J Acoust Soc Am** 1985 Oct;78(4):1261–70
Differential use of temporal cues to the /s/–/z/ contrast by native and non–native speakers of English. Flege JE, et al. **J Acoust Soc Am** 1986 Feb;79(2):508–17
Perception of syllable timing by prebabbling infants. Fowler CA, et al. **J Acoust Soc Am** 1986 Mar;79(3):814–25
Elderly listeners' estimates of vocal age in adult females. Linville SE, et al. **J Acoust Soc Am** 1986 Aug;80(2):692–4
An articulation index based procedure for predicting the speech recognition performance of hearing–impaired individuals. Pavlovic CV, et al. **J Acoust Soc Am** 1986 Jul;80(1):50–7
Perception of the [m]–[n] distinction in CV syllables. Repp BH. **J Acoust Soc Am** 1986 Jun;79(6):1987–99
Discrete representation of perceptual structure underlying consonant confusions. Soli SD, et al. **J Acoust Soc Am** 1986 Mar;79(3):826–37
A perceptual model of vowel recognition based on the auditory representation of American English vowels. Syrdal AK, et al. **J Acoust Soc Am** 1986 Apr;79(4):1086–100
Visual feedback during speech production. Tye–Murray N. **J Acoust Soc Am** 1986 Apr;79(4):1169–71
Phoneme boundaries in normal and hearing–impaired ears. Walden BE, et al. **J Acoust Soc Am** 1986 Apr;79(4):1101–12
Dichotic abilities in children, normal adults and aphasic adults for open– and closed–context words. Bavosi R, et al. **J Aud Res** 1984 Oct;24(4):265–78
Comfortable loudness levels for speech: effects of signal–to–noise ratios and instructions. Beattie RC, et al. **J Aud Res** 1984 Jul;24(3):213–29
Hearing–impaired children's performance on the Edgerton and Danhauer Nonsense Syllable Test. Danhauer JL, et al. **J Aud Res** 1984 Oct;24(4):231–8
Performance on a nonsense syllable test for normal and hearing–impaired subjects. Danhauer JL, et al. **J Aud Res** 1984 Jul;24(3):165–73
The effects of age and sex on phonemic processing time during a picture recognition task. Fischbach–Kottman Y, et al. **J Aud Res** 1984 Jan;24(1):1–8
A comparative study of children's performance on the Illinois Test of Psycholinguistic Abilities and the Token Test. Fusilier FM, et al. **J Aud Res** 1984 Jan;24(1):9–16
The effects of time compression on feature discrimination as a function of age. May MM, et al. **J Aud Res** 1984 Jul; 24(3):205–11
Normal–hearing teenagers' performance on time–compressed sentential stimuli. Riensche LL, et al. **J Aud Res** 1985 Jan; 25(1):1–4
Altered acoustic cue discrimination in Broca's and conduction aphasics. Leeper HA Jr, et al. **J Commun Disord** 1986 Apr;19(2):83–103
A vocal placement model: I. Perceptual aspects. Nichols AC, et al. **J Commun Disord** 1985 Oct;18(5):363–72
Comprehension of neutral, melodically intoned, and affectively toned sentences by adults with aphasia. Wallace GL, et al. **J Commun Disord** 1985 Oct;18(5):321–7
Central auditory processing in urban black children: a normative study. Windham R, et al. **J Dev Behav Pediatr** 1986 Feb;7(1):8–13
Imagery, encoding specificity, and prose recall in 6–year–old children. Goldston DB, et al. **J Exp Child Psychol** 1985 Dec;40(3):395–405
Developmental changes in visual and auditory contributions to speech perception. Massaro DW, et al. **J Exp Child Psychol** 1986 Feb;41(1):93–113
Segmentation and speech perception in relation to reading skill: a developmental analysis. Snowling M, et al. **J Exp Child Psychol** 1986 Jun;41(3):489–507
Locus of selective adaptation in speech perception. Jamieson DG, et al. **J Exp Psychol [Hum Percept]** 1986 Aug; 12(3):286–94
Perceptual coherence of speech: stability of silence–cued stop consonants. Repp BH. **J Exp Psychol [Hum Percept]** 1985 Dec;11(6):799–813
Attention within auditory word perception: insights from the phonemic restoration illusion. Samuel AG, et al. **J Exp Psychol [Hum Percept]** 1986 Feb;12(1):70–9
Auditory and temporal factors in the modality effect. Crowder RG. **J Exp Psychol [Learn Mem Cogn]** 1986 Apr; 12(2):268–78
Learning and retrieval rate of words presented auditorily and visually. Brand N, et al. **J Gen Psychol** 1985 Apr; 112(2):201–10
Biasing thematic contexts for ambiguous sentences in a dichotic listening experiment. Hoppe RA, et al. **J Psycholinguist Res** 1986 May;15(3):225–41
Phonological code activation during listening. Hudson SB, et al. **J Psycholinguist Res** 1985 Nov;14(6):557–67
Continuing evaluation of the Queen's University tactile vocoder II: Identification of open set sentences and tracking narrative. Brooks PL, et al. **J Rehabil Res Dev** 1986 Jan;23(1):129–38
Continuing evaluation of the Queen's University tactile vocoder. I: Identification of open set words. Brooks PL, et al. **J Rehabil Res Dev** 1986 Jan;23(1):119–28
Induction loop listening system designed for a classroom. Letowski T, et al. **J Rehabil Res Dev** 1986 Jan;23(1):63–9
Comparison of amplification systems in a classroom. Nábělek AK, et al. **J Rehabil Res Dev** 1986 Jan;23(1):41–52
Speech perception through FM auditory trainers in noise and reverberation. Picard M, et al. **J Rehabil Res Dev** 1986 Jan;23(1):53–62
Some rehabilitative considerations for future speech–processing hearing aids. Revoile SG, et al. **J Rehabil Res Dev** 1986 Jan;23(1):89–94
The use of perceptual methods by new clinicians for assessing voice quality. Bassich CJ, et al. **J Speech Hear Disord** 1986 May;51(2):125–33
Effects of feedback filtering on nasalization and self–perception of nasality. Burzynski CM, et al. **J Speech Hear Res** 1985 Dec;28(4):585–8
Effects of presentation rate and divided attention on auditory comprehension in children with an acquired language disorder. Campbell TF, et al. **J Speech Hear Res** 1985 Dec; 28(4):513–20
Categorical perception of speech sounds via the tactile mode. Collins MJ, et al. **J Speech Hear Res** 1985 Dec;28(4):594–8
Influence of the first formant on the recognition of voiced stop consonants by hearing–impaired listeners. Dorman MF, et al. **J Speech Hear Res** 1985 Sep;28(3):377–80
Phonetic speech perception deficits in dyslexia. Lieberman P, et al. **J Speech Hear Res** 1985 Dec;28(4):480–6
Speech cue enhancement for the hearing impaired: I. Altered vowel durations for perception of final fricative voicing. Revoile SG, et al. **J Speech Hear Res** 1986 Jun;29(2):240–55
Speech–tracking performance in single–channel cochlear implant subjects. Robbins AM, et al. **J Speech Hear Res** 1985 Dec;28(4):565–78
Word–deafness revisited [editorial] **Lancet** 1986 Jun 28; 1(8496):1477–8
Pure word deafness: a possible explanation of transient deteriorations after extracranial–intracranial bypass grafting. Kanter SL, et al. **Neurosurgery** 1986 Feb; 18(2):186–9
Cochlear implants in children: speech production and auditory discrimination. Eisenberg LS, et al. **Otolaryngol Clin North Am** 1986 May;19(2):409–21
Speech recognition experience with multichannel cochlear implants. Parkin JL, et al. **Otolaryngol Head Neck Surg** 1985 Oct;93(5):639–45
Relationship between specific disfluency variables and dichotic listening in stutterers. Blood IM, et al. **Percept Mot Skills** 1986 Feb;62(1):337–8
Cautions in alternate–form presentation of aural test material: Speech Sounds Perception Test. Strauss BS, et al. **Percept Mot Skills** 1985 Dec;61(3 Pt 1):899–902
Twins' reactions to delayed auditory feedback. Timmons BA. **Percept Mot Skills** 1985 Oct;61(2):559–65
Time compression and spectral characteristics of phonemes. Watson MM, et al. **Percept Mot Skills** 1986 Feb;62(1):9–10
Auditory–successive selective attention for learning disabled and normal boys. Willis WG. **Percept Mot Skills** 1985 Oct; 61(2):496–8
Perception of speech rate of Dutch and Italian utterances.

den Os E. **Phonetica** 1985;42(2-3):124-34
The perception of lenis and fortis plosives in French. A critical re-evaluation. Kohler KJ. **Phonetica** 1985; 42(2-3):116-23
Further experiments in the perception of French plosives. van Dommelen WA. **Phonetica** 1985;42(2-3):100-15
Evidence against a predictive role for rhythm in speech perception. Mens LH, et al. **Q J Exp Psychol [A]** 1986 May;38(2):177-92
Isolating cognitive modules with the dual-task paradigm: are speech perception and production separate processes? Shallice T, et al. **Q J Exp Psychol [A]** 1985 Nov; 37(4):507-32
Speech discrimination abilities of hearing impaired children using conventional hearing aids and radio neckloop at different signal-to-noise ratios. Moodley A. **S Afr J Commun Disord** 1985;32:77-83
[Perception of verbal units without semantic content in psychotic and nonpsychotic persons. A pilot study] Baštecký J, et al. **Cesk Psychiatr** 1986 Feb;82(1):3-8 (Eng. Abstr.) **(Cze)**
[Auditory localization and speech perception in noise. Preliminary study concerning 5 cases of perceptual deafness] Canévet G, et al. **Ann Otolaryngol Chir Cervicofac** 1986;103(1):1-8 (Eng. Abstr.) **(Fre)**
[Transcutaneous signal and power transmission for implants via high-frequency band filters] Steurer J, et al. **Biomed Tech (Berlin)** 1986 Apr;31(4):84-9 (Eng. Abstr.) **(Ger)**
[Acoustic method of experimental dream stimulation] Leuschner W. **Psyche (Stuttg)** 1986 Apr;40(4):341-54 (Eng. Abstr.) **(Ger)**
[Perception and recall of verbal emotiogenic information among patients with neurasthesia with a protracted course] Leutin VP, et al. **Fiziol Cheloveka** 1986 Mar-Apr; 12(2):187-92 **(Rus)**

DRUG EFFECTS

Relation between frequency selectivity and speech perception following glycerol-induced cochlear changes. Stelmachowicz PG, et al. **J Speech Hear Disord** 1985 Nov; 50(4):372-7

PHYSIOLOGY

Auditory extinction to nonverbal and verbal stimuli. Tanabe H, et al. **Acta Neurol Scand** 1986 Feb;73(2):173-9
Ear differences in evaluating emotional tones of unknown speech. Hatta T, et al. **Acta Psychol (Amst)** 1985 Sep; 60(1):73-82
Correlative studies of cochlear neuronal loss with speech discrimination and pure-tone thresholds. Pauler M, et al. **Arch Otorhinolaryngol** 1986;243(3):200-6
Effects of room reverberation and noise on speech discrimination by the elderly. Harris RW, et al. **Audiology** 1985;24(5):319-24
Response to intraoperative conversation [letter] Bonke B, et al. **Br J Anaesth** 1986 Jan;58(1):134-5
Sex task and processing strategy effects in hemispheric alpha asymmetries for the recall and recognition of arousal words: results from perceptual and motor tasks in males and females. Faber-Clark MM, et al. **Brain Cogn** 1983 Jul; 2(3):233-50
Processing the intensity of dichotic syllables. Rabinowicz B, et al. **Brain Cogn** 1982 Jan;1(1):84-94
Ear asymmetry in recognition of unfamiliar voices. Riley EN, et al. **Brain Cogn** 1982 Jul;1(3):245-58
The right hemisphere and temporal processing of consonant transition durations: electrophysiological correlates. Molfese DL, et al. **Brain Lang** 1985 Sep;26(1):49-62
Longitudinal dichotic listening patterns for aphasic patients. I. Description of recovery curves. Niccum N. **Brain Lang** 1986 Jul;28(2):273-88
A neuronal model of vowel normalization and representation. Sussman HM. **Brain Lang** 1986 May;28(1):12-23
Ear by visual-field interaction on a cross-modal syllable-matching task. Broks P. **Cortex** 1986 Jun; 22(2):297-304
Visual-spatial orientation, gaze direction and dichotic listening asymmetries. Hynd GW, et al. **Cortex** 1986 Jun; 22(2):313-7
A group test of auditory lateral advantage. Williams SM. **Cortex** 1986 Jun;22(2):319-24
Localization in human thalamus of units triggered during 'verbal commands,' voluntary movements and tremor. Raeva S. **Electroencephalogr Clin Neurophysiol** 1986 Feb; 63(2):160-73
Theoretical contributions of tests on animals to the special-mechanisms debate in speech. Kuhl PK. **Exp Biol** 1986;45(3):233-65 (59 ref.)
Masking and the perception of stop consonants: psychoacoustical and electrophysiological experiments. Spenner H, et al. **Exp Brain Res** 1986;62(3):607-17
Recognition of verbal stimuli and functional asymmetry of the brain. Kaufman DA, et al. **Hum Physiol** 1985 May-Jun; 11(3):178-85
Average spectrum and identification of vowel-like stimuli. Malinnikova TG, et al. **Hum Physiol** 1985 May-Jun; 11(3):160-4
"Acoustic" parameters of front vowels.Zhukov SYa, et al. **Hum Physiol** 1985 May-Jun;11(3):165-70
Probe-evoked potential correlates of hemispheric asymmetries during a speech shadowing task. Papanicolaou AC, et al. **Int J Neurosci** 1985 Oct;28(1-2):83-9
The representation of steady-state vowel sounds in the temporal discharge patterns of the guinea pig cochlear nerve and primarylike cochlear nucleus neurons. Palmer AR, et al. **J Acoust Soc Am** 1986 Jan;79(1):100-13
Discrimination and identification of frequency-lowered speech in listeners with high-frequency hearing impairment. Reed CM, et al. **J Acoust Soc Am** 1985 Dec; 78(6):2139-41
Speech processing in the auditory system. II: Lateral inhibition and the central processing of speech evoked activity in the auditory nerve. Shamma SA. **J Acoust Soc Am** 1985 Nov;78(5):1622-32
Speech processing in the auditory system. I: The representation of speech sounds in the responses of the auditory nerve. Shamma SA. **J Acoust Soc Am** 1985 Nov; 78(5):1612-21
Locus of selective adaptation in speech perception. Jamieson DG, et al. **J Exp Psychol [Hum Percept]** 1986 Aug; 12(3):286-94
Relationship between pure-tone and speech loudness discomfort levels among hearing-impaired subjects. Beattie RC, et al. **J Speech Hear Disord** 1986 May;51(2):120-5
Perception of emotional intonation by brain-damaged adults: the influence of task processing levels. Tompkins CA, et al. **J Speech Hear Res** 1985 Dec;28(4):527-38
Listening with one or two hemispheres: verbal dichotic testing after intracarotid barbiturate injection. Michel F, et al. **Neuropsychologia** 1986;24(2):271-6
[Information processing and performance level in relation to cortical steady potential shifts] Weber G, et al. **Z Exp Angew Psychol** 1986;33(1):164-76 (Eng. Abstr.) **(Ger)**
[Central processing of the peripheral spectrum of a vowel] Chistovich LA, et al. **Fiziol Cheloveka** 1985 Sep-Oct; 11(5):716-23 **(Rus)**
[Identification of verbal stimuli and functional asymmetry of the brain] Kaufman DA, et al. **Fiziol Cheloveka** 1985 May-Jun;11(3):395-403 **(Rus)**
[The galvanic skin reaction as an electrographic correlate of the processes of remembering and recognizing different types of verbal information by boys and girls] Konovalov VF, et al. **Fiziol Cheloveka** 1985 May-Jun;11(3):421-9 **(Rus)**
[The central spectrum and identification of voice-like stimuli] Malinnikova TG, et al. **Fiziol Cheloveka** 1985 May-Jun; 11(3):374-9 **(Rus)**
[Auditory parameters of anterior vowels] Zhukov SIa, et al. **Fiziol Cheloveka** 1985 May-Jun;11(3):380-5 **(Rus)**
[Use of non-linearly transformed speech signals for studying the auditory analyzer] Solodilov VIu, et al. **Med Tekh** 1986 Mar-Apr;(2):20-3 (Eng. Abstr.) **(Rus)**
[Phenomenon of the accumulation of spectral information in vowel-like stimulus] Chistovich LA, et al. **Zh Evol Biokhim Fiziol** 1985 Sep-Oct;21(5):487-97 (Eng. Abstr.) **(Rus)**

SPEECH PRODUCTION MEASUREMENT

Language and learning skills of hearing-impaired students. Speech evaluation. Osberger MJ, et al. **ASHA Monogr** 1986 Mar;(23):24-31
An unlearned foreign "accent" in a patient with aphasia. Graff-Radford NR, et al. **Brain Lang** 1986 May;28(1):86-94
Real-time comprehension processes in agrammatism: a case study. Tyler LK. **Brain Lang** 1985 Nov;26(2):259-75
Disruption of reference in aging. Ulatowska HK, et al. **Brain Lang** 1986 May;28(1):24-41
Analysis of prosody in the spontaneous speech of patients with CV-recurring utterances. de Bleser R, et al. **Cortex** 1985 Sep;21(3):405-15
The comprehension and production of complex syntax in schizophrenia. Morice R, et al. **Cortex** 1985 Dec; 21(4):567-80
Speech intonation and focus location in matched statements and questions. Eady SJ, et al. **J Acoust Soc Am** 1986 Aug; 80(2):402-15
Phrasing in the speech and reading of the hearing impaired. Gregory JF. **J Commun Disord** 1986 Aug;19(4):289-97
Predicting children's oral reading proficiency from selected acoustic and perceptual measures. Horii Y, et al. **J Commun Disord** 1986 Aug;19(4):299-309
Mechanism of repetition in transcortical sensory aphasia. Bando M, et al. **J Neurol Neurosurg Psychiatry** 1986 Feb; 49(2):200-2
Wh interrogative production in agrammatic aphasia: an experimental analysis of auditory-visual stimulation and direct-production treatment. Thompson CK, et al. **J Speech Hear Res** 1986 Jun;29(2):193-206
Speech fluency and treatment of aphasia. Voinescu I, et al. **Neurol Psychiatr (Bucur)** 1985 Jul-Sep;23(3):185-98
[Study of the voice in phonatory fistuloplastias] Vea Orte JC, et al. **An Otorrinolaringol Ibero Am** 1985;12(6):569-75 **(Spa)**

INSTRUMENTATION

A digital sound editor. Jamieson DG, et al. **Comput Biomed Res** 1985 Oct;18(5):480-7

METHODS

A comparison of three speech intelligibility measures for deaf students. Porter KF, et al. **Am Ann Deaf** 1985 Dec; 130(6):514-25
Transcribing phonetic detail in the speech of unintelligible children: a comparison of procedures. Amorosa H, et al. **Br J Disord Commun** 1985 Dec;20(3):281-7
A pressure-flow technique for quantifying temporal patterns of palatopharyngeal closure. Warren DW, et al. **Cleft Palate J** 1985 Jan;22(1):11-9
A comparison of temporal measures of speech using spectrograms and digital oscillograms. Smith BL, et al. **J Speech Hear Res** 1986 Jun;29(2):270-4
[Articulatory examination following the surgical treatments of carcinoma of the tongue--a proposal of an utterance list consisting of 25 monosyllables] Ohkubo H, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1985 Jul;88(7):876-81 (Eng. Abstr.) **(Jpn)**

SPEECH RECEPTION THRESHOLD TEST see under **SPEECH DISCRIMINATION TESTS**

SPEECH SOUNDS see **PHONETICS**

SPEECH THERAPY

Functions and malfunctions of theories in therapies. Perkins WH. **ASHA** 1986 Feb;28(2):31-3
The effect of syndrome diagnosis on speech remediation. Meyerson MD. **Birth Defects** 1985;21(2):47-68 (80 ref.)
Speech therapy with cochlear implant wearers. Waters T. **Br J Audiol** 1986 Feb;20(1):35-43
Treatment of agrammatism in long-term Broca's aphasia. Helm-Estabrooks N, et al. **Br J Disord Commun** 1986 Apr; 21(1):39-45
Measuring progress in aphasia therapy: a multiple baseline study. Hesketh A. **Br J Disord Commun** 1986 Apr; 21(1):47-62
Building the foundations for sentence production in a non-fluent aphasic. Jones EV. **Br J Disord Commun** 1986 Apr;21(1):63-82
Microcomputer speech therapy for dysphasic adults: a comparison with two conventionally administered tasks. Kinsey C. **Br J Disord Commun** 1986 Apr;21(1):125-33
Evaluating the effects of speech therapy for aphasics: developing the single case methodology. Pring TR. **Br J Disord Commun** 1986 Apr;21(1):103-15 (45 ref.)
Knowledge and opinions of speech therapy in teachers, doctors and nurses. Lesser R, et al. **Child Care Health Dev** 1986 Jul-Aug;12(4):235-49
Effectiveness of intensive articulation therapy for children with cleft palate. Van Demark DR, et al. **Cleft Palate J** 1986 Jul;23(3):215-24
The use of visual and tactile sensory aids in speech production training: a preliminary report. McGarr NS, et al. **J Rehabil Res Dev** 1986 Jan;23(1):101-9
Accessing children's knowledge of sociolinguistic rules for speech therapy lessons. Ripich DN, et al. **J Speech Hear Disord** 1985 Nov;50(4):335-46
Changes in aerodynamic characteristics of stutterers' fluent speech associated with therapy. Samar VJ, et al. **J Speech Hear Res** 1986 Mar;29(1):106-13
Speech fluency and treatment of aphasia. Voinescu I, et al. **Neurol Psychiatr (Bucur)** 1985 Jul-Sep;23(3):185-98
[Rehabilitation programs for patients with cochlear implants as a function of acquired experience in logopedics for deaf children] Perier O, et al. **Acta Otorhinolaryngol Belg** 1985; 39(4):684-90 (Eng. Abstr.) **(Fre)**
[Phoniatric therapeutics of the singing voice] Cornut G, et al. **Rev Laryngol Otol Rhinol (Bord)** 1985;106(4):289-94 (Eng. Abstr.) **(Fre)**
[Relaxation in voice pathology] Marvaud J. **Rev Laryngol Otol Rhinol (Bord)** 1985;106(4):299-300 (Eng. Abstr.) **(Fre)**
[Rehabilitation and/or psychotherapy] Terrier S. **Rev Laryngol Otol Rhinol (Bord)** 1985;106(4):257-60 (Eng. Abstr.) **(Fre)**
[The parents, the child, the speech therapist during speech therapy sessions] Van Waeyenberghe M. **Rev Laryngol Otol Rhinol (Bord)** 1985;106(4):253-6 (Eng. Abstr.) **(Fre)**
[What factors influence speech rehabilitation in cleft palate children? Study of the outcome after early closure] Friedrich G, et al. **Folia Phoniatr (Basel)** 1985; 37(5-6):292-301 **(Ger)**
[Success of speech therapy as related to patients' goal setting behavior] Pfau EM. **Folia Phoniatr (Basel)** 1985; 37(5-6):287-91 **(Ger)**
[Initial experiences in the combined treatment of aphasia patients following cerebrovascular insult by speech therapists and music therapists] Lehmann W, et al. **ZFA** 1986 Mar-Apr;41(2):123-8 (Eng. Abstr.) **(Ger)**

EDUCATION

The use of video in the self-evaluation of speech therapy students. McGovern MA. **Br J Disord Commun** 1985 Dec; 20(3):297-300

INSTRUMENTATION

Speech rehabilitation outcome after Blom-Singer tracheoesophageal puncture. Pretsfelder LH, et al.

Arch Phys Med Rehabil 1985 Dec;66(12):814–7
Technology in the schools. Palin MW, et al. ASHA 1986 May;28(5):35
Modifications in deaf children's vowel production: perceptual evidence. Gulian E, et al. Br J Audiol 1986 Aug; 20(3):181–94
Oral endoscopy in prosthodontic management of the soft palate defect. Beery QC, et al. J Prosthet Dent 1985 Aug; 54(2):241–4
Aerodynamic assessment of prosthetic speech aids. Reisberg DJ, et al. J Prosthet Dent 1985 Nov;54(5):686–90
A computer-controlled vowel corrector for the hearing impaired. Povel DJ, et al. J Speech Hear Res 1986 Mar; 29(1):99–105

METHODS

Speech instruction for deaf children: a communication-based approach. Nittrouer S, et al. Am Ann Deaf 1985 Dec; 130(6):491–5
When is enough enough? Eger DL, et al. ASHA 1986 May; 28(5):23–5
Changes in stuttering in relation to children's locus of control. Madison LS, et al. J Genet Psychol 1986 Jun;147(2):233–40
Visual training and correction of articulation disorders by use of dynamic palatography: serial observation in a case of cleft palate. Michi K, et al. J Speech Hear Disord 1986 Aug;51(3):226–38
Visual feedback and lip-positioning skills of children with and without impaired hearing. Fletcher SG. J Speech Hear Res 1986 Jun;29(2):231–9
Modification of listener-judged naturalness in the speech of stutterers. Ingham RJ, et al. J Speech Hear Res 1985 Dec; 28(4):495–504
Marking word boundaries to improve the intelligibility of the speech of the deaf. Maassen B. J Speech Hear Res 1986 Jun;29(2):227–30
[Viewpoints on the rehabilitation of deaf children] Cazacu N, et al. Rev Chir [Otorinolaringol] 1983 Apr-Jun; 28(2):113–7 (Eng. Abstr.) (Rum)

PSYCHOLOGY

Stuttering relapse: the effect of a combined speech and psychological reconstruction programme. Evesham M, et al. Br J Disord Commun 1985 Dec;20(3):237–48
Psychological effects of speech therapy. Lincoln NB, et al. J Psychosom Res 1985;29(5):467–74

TRENDS

[Being a speech therapist today] Lindenfeld M. Rev Laryngol Otol Rhinol (Bord) 1985;106(4):247–9 (Eng. Abstr.) (Fre)
[The specificity of speech therapy. Identity of the speech therapist] Marvaud J. Rev Laryngol Otol Rhinol (Bord) 1985;106(4):233–8 (Eng. Abstr.) (Fre)

SPEECHREADING see LIPREADING

SPERM see SPERMATOZOA

SPERM AGGLUTINATION

Molecular structure of human seminal coagulum: the role of proteolysis. Boonsaeng V. Andrologia 1986 May-Jun; 18(3):252–8
A comparison of sperm agglutination and immobilization assays with a quantitative ELISA for anti-sperm antibody in serum. Lynch DM, et al. Fertil Steril 1986 Aug; 46(2):285–92
Detection of autoimmunity to sperm: mixed antiglobulin reaction (MAR) test or sperm agglutination? A study on 537 men from infertile couples. Meinertz H, et al. Fertil Steril 1986 Jul;46(1):86–91
Sperm-agglutinating antibodies and decreased fertility in prostitutes. Schwimmer WB, et al. Obstet Gynecol 1967 Aug;30(2):192–200

DRUG EFFECTS

Separation of normozoospermic human spermatozoa into subpopulations by selective agglutination with peanut agglutinin. Singer R, et al. Andrologia 1986 Jan-Feb; 18(1):17–24
Inhibition of sperm motility and agglutination of sperm cells by free fatty acids in whole semen. Siegel I, et al. Fertil Steril 1986 Feb;45(2):273–9

SPERM BANKS see under TISSUE BANKS

SPERM CAPACITATION

Effects of in-vitro capacitation of human spermatozoa on the action of the sperm-immobilizing and sperm-agglutinating antibodies. Possible therapeutic applications on female antisperm isoimmunization. Cimino C, et al. Acta Eur Fertil 1986 Mar-Apr;17(2):107–16
Hyperactivation of human spermatozoa: measurement of motility before and after incubation. Okada A, et al. Andrologia 1985 Nov-Dec;17(6):583–6
Angiotensin converting enzyme in semen and its possible role in capacitation. Singh US, et al. Andrologia 1985 Sep-Oct; 17(5):472–5
Semen parameters and capacitation. Warter S, et al. Andrologia 1985 Nov-Dec;17(6):570–4
Acrosomal status in fresh and capacitated human ejaculated sperm. Byrd W, et al. Biol Reprod 1986 Jun;34(5):859–69
Acrosome loss in human sperm incubated in vitro under capacitating conditions. Mallett PJ, et al. Int J Androl 1985 Oct;8(5):357–64
The effect of in vitro sperm capacitation on sperm velocity and motility as measured by an in-office, integrated, microcomputerized system for semen analysis. Burke RK, et al. Int J Fertil 1985;30(2):10–7
In vivo capacitation and acrosome reaction of bovine sperm in estrous and diestrous cows. Didion BA, et al. J Anim Sci 1986 Apr;62(4):1029–33
Changes in sperm plasma membrane lipid diffusibility after hyperactivation during in vitro capacitation in the mouse. Wolf DE, et al. J Cell Biol 1986 Apr;102(4):1372–7
Relationship of nonreturn rates of dairy bulls to binding affinity of heparin to sperm. Marks JL, et al. J Dairy Sci 1985 Aug;68(8):2078–82
Studies on sperm capacitation using monoclonal anti-body—disappearance of an antigen from the anterior part of mouse sperm head. Okabe M, et al. J Pharmacobiodyn 1986 Jan;9(1):55–60
Role of guinea-pig sperm autoantigens in capacitation and the acrosome reaction. Marquant-Le Guienne B, et al. J Reprod Fertil 1986 Jul;77(2):337–45
Comparison of acrosome reaction-inducing activities of human cumulus oophorus, follicular fluid and ionophore A23187 in human sperm populations of proven fertilizing ability in vitro. Tesařík J. J Reprod Fertil 1985 Jul; 74(2):383–8
Hyperactivation of human sperm and zona-free hamster egg penetration assay. Okada A, et al. Z Mikrosk Anat Forsch 1986;100(2):233–40

DRUG EFFECTS

The use of strontium-substituted media for capacitating human spermatozoa: an improved sperm preparation method for the zona-free hamster egg penetration test. Mortimer D, et al. Fertil Steril 1986 Jul;46(1):97–103
Adenylate cyclase activity of mouse sperm during capacitation in vitro: effect of calcium and a GTP analogue. Monks NJ, et al. Int J Androl 1986 Feb;9(1):67–76
Epinephrine decreases the potassium requirements of hamster sperm capacitation: furosemide blocks the effect of epinephrine. Bize I, et al. J Exp Zool 1985 Aug; 235(2):261–7
Effects of artificial illumination on turkey sperm viability. Williams CJ, et al. Poult Sci 1985 Dec;64(12):2351–7

SPERM COUNT

Spermatozoal fertilizing capacity in polyzoospermia: a preliminary study. Chan SY, et al. Andrologia 1986 Mar-Apr;18(2):208–13
Growth, testicular development and sperm output in the dog from birth to post pubertal period. Mialot JP, et al. Andrologia 1985 Sep-Oct;17(5):450–60
Cyclic variations of the density dispersion pattern of the spermatozoa population. Porath-Furedi A. Andrologia 1986 Jul-Aug;18(4):387–92
Experiences with the electronic spermcounter in andrologic routine work. Pusch HH. Andrologia 1986 May-Jun; 18(3):327–31
Human spermatozoa penetration to zona-free hamster ova and the volume of sperm cells. May JY, et al. Arch Androl 1986;16(2):131–3
The effects of frequent ejaculation on seminal spermatozoal number and calculation of daily spermatozoal output. Tyler JP, et al. Clin Reprod Fertil 1985 Jun;3(2):145–9
Effect of mating on sperm numbers and weight of the epididymis. Ruangsomboon D, et al. Contraception 1985 Aug;32(2):217–21
Are changing semen parameters a universal phenomenon? Osegbe DN, et al. Eur Urol 1986;12(3):164–8
Influence of age on sperm concentration in the male golden hamster. Cisneros PL, et al. Exp Aging Res 1985 Autumn-Winter;11(3–4):183–6
Lower sperm characteristics in 36 brothers of infertile men, compared with 545 controls. Czyglik F, et al. Fertil Steril 1986 Feb;45(2):255–8
Effect of the number of inseminating sperm and the follicular stimulation protocol on in vitro fertilization of human oocytes in male factor and non-male factor couples. Diamond MP, et al. Fertil Steril 1985 Oct;44(4):499–503
Cigarette smoking and its possible effects on sperm. Kulikauskas V, et al. Fertil Steril 1985 Oct;44(4):526–8
Correlation of sperm count with frequency of ejaculation. Levin RM, et al. Fertil Steril 1986 May;45(5):732–4
Improved seminal characteristics in infertile men after a conservative treatment regimen based on the avoidance of testicular hyperthermia. Lynch R, et al. Fertil Steril 1986 Sep;46(3):476–9
Counting mammalian spermatozoa in biological fluids containing particulate matter. Parks JE, et al. J Dairy Sci 1985 Sep;68(9):2329–36
Sperm parameters and testicular volumes in Saguinus mystax. Harrison RM, et al. J Med Primatol 1985;14(5):281–4
Correlation between follicle-stimulating hormone, luteinizing hormone, prolactin, and testosterone with sperm cell concentration and motility. Vasquez JM, et al. Obstet Gynecol 1986 Jan;67(1):86–90
Reduction of the spermatogonial population in rat testes flown on Space Lab-3. Philpott DE, et al. Physiologist 1985 Dec;28(6 Suppl):S211–2
Seasonal variation in semen quality of bulls and correlations with metabolic and endocrine parameters. Parkinson TJ. Vet Rec 1985 Sep 21;117(12):303–7
[Why are there so many sperm in the ejaculate?] Presl J. Cesk Gynekol 1985 Nov;50(9):674–5 (Cze)
[Varicocelectomy for infertility is more effective in cases of sperm count less than 5 million/ml. Apropos of 70 cases] Pontonnier F, et al. Ann Urol (Paris) 1986;20(4):249–51 (Eng. Abstr.) (Fre)
[Effect of the spermatozoa quality on extracorporeal fertilization] Diedrich K, et al. Fortschr Med 1985 Nov 7;103(41):956–60 (Eng. Abstr.) (Ger)
[Retrospective evaluation of the findings in male fertility disorders with special reference to spermiograms and hormone analyses] Peters I, et al. Urologe [A] 1986 May; 25(3):138–41 (Eng. Abstr.) (Ger)

DRUG EFFECTS

Further studies on the effects of pentoxifylline on sperm count and sperm motility in patients with idiopathic oligo-asthenozoospermia. Marrama P, et al. Andrologia 1985 Nov-Dec;17(6):612–6
Lack of correlation between fertility and sperm numbers in male rats treated with histrelin, a potent LHRH agonist. Foldesy RG, et al. J Androl 1986 May-Jun;7(3):140–6
Heterogeneity of sperm density profiles following 16-week therapy with continuous infusion of high-dose LHRH analog plus testosterone. Pavlou SN, et al. J Androl 1986 Jul-Aug;7(4):228–33
Sperm counts and reproductive tract lesions in male Syrian hamsters exposed in utero to diethylstilbestrol. Wilson TM, et al. Lab Anim Sci 1986 Feb;36(1):41–4

VETERINARY

Relationship of the number of spermatozoa inseminated to fertility of turkey semen stored 6 h at 5 degrees C. Sexton TJ. Br Poult Sci 1986 Jun;27(2):237–45
Effect of sperm numbers per insemination following early or late initial inseminations in turkeys. McIntyre DR, et al. Poult Sci 1986 Jul;65(7):1400–4

SPERM HEAD see under SPERMATOZOA

SPERM IMMOBILIZING AGENTS

METABOLISM

The presence of a motility inhibitor within spermatozoa may explain the poor sperm motility of some infertile men. de Lamirande E, et al. J Androl 1986 Jul-Aug;7(4):215–9

SPERM MATURATION

Immunodissection of sperm surface modifications during epididymal maturation. Eddy EM, et al. Am J Anat 1985 Nov;174(3):225–37
Effect of physiological (in lamb) or drug-induced (in adult) immaturity of ram spermatozoa on seminal plasma alpha-glucosidase activity. Besancon J, et al. Comp Biochem Physiol [A] 1985;82(3):681–6
The role of the human epididymis in sperm maturation and sperm storage as reflected in the consequences of epididymovasostomy. Schoysman RJ, et al. Fertil Steril 1986 Aug;46(2):293–9
Sperm-chromatin maturation in the mouse. A cytochemical approach. Manfredi Romanini MG, et al. Histochemistry 1986;84(4–6):484–91
The epididymal factor—a diagnostic approach. Milingos SD. Int J Androl 1985 Dec;8(6):417–20
Surface of the rooster spermatozoon changes in passing through the Wolffian duct. Esponda P, et al. J Exp Zool 1985 Jun;234(3):441–9

DRUG EFFECTS

Induction of artificial spermiation in the fresh water Clarias batrachus (Linn.) by clomiphene citrate. Kumar S. Exp Clin Endocrinol 1985 Jun;85(3):289–96

SPERM MOTILITY

Treatment of infertile couples by intrauterine artificial insemination homologous (AIH) of motile sperm collected by swim-up in human serum. Francavilla F, et al. Acta Eur Fertil 1985 Nov-Dec;16(6):411–5
Human semen prostaglandins do not affect sperm motility and migration. Procaccini JC, et al. Acta Eur Fertil 1985 Jul-Aug;16(4):263–6
Relationship between ATP content and post thaw motility in bull semen. Söderquist L, et al. Acta Vet Scand 1985; 26(3):308–12
Blocking of human fertilization in vitro by sera with sperm-immobilizing antibodies. Kamada M, et al. Am J Obstet Gynecol 1985 Oct 1;153(3):328–31
Effect of method of collection on seminal characteristics of the domestic cat. Dooley MP, et al. Am J Vet Res 1986 Feb;47(2):286–92
Influence of the concentration of motile sperm inseminated on the ovum penetration assay results: toward a

standardized method. Albert M, et al. **Andrologia** 1986 Mar–Apr;18(2):161–70

Adenosine 5'-triphosphate (ATP) activity in normal and pathological human semen. Relationship with round cells of the ejaculate. Calamera JC, et al. **Andrologia** 1986 Mar–Apr;18(2):214–9

A simple nephelometric method for measuring the progressive motility and collecting motile spermatozoa. Deana R, et al. **Andrologia** 1986 Jan–Feb;18(1):37–41

Hyperactivation of human spermatozoa: measurement of motility before and after incubation. Okada A, et al. **Andrologia** 1985 Nov–Dec;17(6):583–6

Morphological selection of human spermatozoa in cervical mucus "in vivo" Ragni G, et al. **Andrologia** 1985 Sep–Oct; 17(5):508–12

Interactions among motility, fertilizing ability, and testosterone binding on spermatozoa of bonnet monkey (Macaca radiata). Warikoo PK, et al. **Arch Androl** 1986; 16(2):135–41

Cross-link formation at the head–tail junction of mammalian spermatozoa during aging is dependent on sperm motility. Young RJ. **Arch Androl** 1985;14(1):15–9

Motility characteristics of sperm from the uterus and oviducts of female mice after mating to congenic males differing in sperm transport and fertility. Olds-Clarke P. **Biol Reprod** 1986 Apr;34(3):453–67

Quantification of sperm motility by a turbidimetric assay. Correlation to cellular respiration. Halangk W, et al. **Biomed Biochim Acta** 1986;45(3):331–41

Correlation of the fertilising ability of semen from individual male fowls with sperm motility and ATP content. Wishart GJ, et al. **Br Poult Sci** 1986 Mar;27(1):97–102

Live and reactivated motility in the 9+0 flagellum of Anguilla sperm. Gibbons BH, et al. **Cell Motil** 1985; 5(4):333–50

Regulation of sperm flagellar movement by protein phosphorylation and dephosphorylation. Murofushi H, et al. **Cell Motil Cytoskeleton** 1986;6(2):83–8

Abnormal distribution of the periaxonemal structures in a human sperm flagellar dyskinesia. Serres C, et al. **Cell Motil Cytoskeleton** 1986;6(1):68–76

The pH of cervical mucus, quality of semen, and outcome of the post-coital test. Peek JC, et al. **Clin Reprod Fertil** 1986 Jun;4(3):217–25

Real-time analysis of sperm motion using automatic video image digitization. Katz DF, et al. **Comput Methods Programs Biomed** 1985 Dec;21(3):173–82

Lower sperm characteristics in 36 brothers of infertile men, compared with 545 controls. Czyglik F, et al. **Fertil Steril** 1986 Feb;45(2):255–8

Sliding spermatozoa: a dyskinesia responsible for human infertility? Feneux D, et al. **Fertil Steril** 1985 Oct; 44(4):508–11

Positive correlation between the level of protein-carboxyl methylase in spermatozoa and sperm motility. Gagnon C, et al. **Fertil Steril** 1986 Jun;45(6):847–53

Cigarette smoking and its possible effects on sperm. Kulikauskas V, et al. **Fertil Steril** 1985 Oct;44(4):526–8

Improved seminal characteristics in infertile men after a conservative treatment regimen based on the avoidance of testicular hyperthermia. Lynch R, et al. **Fertil Steril** 1986 Sep;46(3):476–9

A computerized sperm motion analysis. Mathur S, et al. **Fertil Steril** 1986 Sep;46(3):484–8

Familial ciliary dyskinesis: a cause of infertility without respiratory disease. Moryan A, et al. **Fertil Steril** 1985 Oct; 44(4):539–42

Normal penetration of hamster ova by human spermatozoa with dyskinetic motility. Moryan AI, et al. **Fertil Steril** 1986 May;45(5):735–6

Lowered levels of bicarbonate in seminal plasma cause the poor sperm motility in human infertile patients. Okamura N, et al. **Fertil Steril** 1986 Feb;45(2):265–72

Peritoneal recovery of motile and nonmotile sperm in the presence of endometriosis. Stone SC, et al. **Fertil Steril** 1986 Aug;46(2):338–9

Potential indicators of reproductive toxicity: testicular sperm production and epididymal sperm number, transit time, and motility in Fischer 344 rats. Blazak WF, et al. **Fundam Appl Toxicol** 1985 Dec;5(6 Pt 1):1097–103

Diagnostic value of the zona-free hamster oocyte penetration test and sperm movement characteristics in oligozoospermia. Aitken RJ. **Int J Androl** 1985 Oct; 8(5):348–56

The relationship between glycolysis, mitochondrial respiration, protein-carboxyl methylation and motility in hamster epididymal spermatozoa. Fisher-Fischbein J, et al. **Int J Androl** 1985 Oct;8(5):403–16

Increase in progressive motility and improved morphology of human spermatozoa following their migration through Percoll gradients. Pousette A, et al. **Int J Androl** 1986 Feb; 9(1):1–13

The effect of in vitro sperm capacitation on sperm velocity and motility as measured by an in-office, integrated, microcomputerized system for semen analysis. Burke RK, et al. **Int J Fertil** 1985;30(2):10–7

Association of asthenozoospermia with a deficiency of a seminal glycoprotein. Johnson WL, et al. **Int J Fertil** 1985; 30(2):57–60

The presence of a motility inhibitor within spermatozoa may explain the poor sperm motility of some infertile men. de Lamirande E, et al. **J Androl** 1986 Jul–Aug;7(4):215–9

Selective luminal absorption of L-carnitine from the proximal regions of the rat epididymis. Possible relationships to development of sperm motility. Hinton BT, et al. **J Androl** 1985 Sep–Oct;6(5):300–5

The role of calcium and Ca2+-ATPase in maintaining motility in ram spermatozoa. Breitbart H, et al. **J Biol Chem** 1985 Sep 25;260(21):11548–53

Axokinin phosphorylation by cAMP-dependent protein kinase is sufficient for activation of sperm flagellar motility. Tash JS, et al. **J Cell Biol** 1986 Aug;103(2):649–55

Capacitated, acrosome reacted but immotile sperm, when microinjected under the mouse zona pellucida, will not fertilize the oocyte. Barg PE, et al. **J Exp Zool** 1986 Mar; 237(3):365–74

The Limulus sperm motility-initiating peptide initiates acrosome reactions in sea water lacking potassium. Clapper DL, et al. **J Exp Zool** 1985 Nov;236(2):211–7

Labelling of living mammalian spermatozoa with the fluorescent thiol alkylating agent, monobromobimane (MB): immobilization upon exposure to ultraviolet light and analysis of acrosomal status. Cummins JM, et al. **J Exp Zool** 1986 Mar;237(3):375–82

Time-dependent motility changes of human spermatozoa after preparation for in vitro fertilization. Fishel SB, et al. **J In Vitro Fert Embryo Transfer** 1985 Dec;2(4):233–6

Morphological change of the acrosome on motile bovine spermatozoa due to storage at 4 degrees C. Aalseth EP, et al. **J Reprod Fertil** 1985 Jul;74(2):473–8

Application of Poisson distribution theory to the zona-free hamster oocyte penetration test to assess sperm function of men with asthenozoospermia. Aitken RJ, et al. **J Reprod Fertil** 1986 May;77(1):67–74

Motility of undiluted bull epididymal spermatozoa collected by micropuncture. Pholpramool C, et al. **J Reprod Fertil** 1985 Nov;75(2):413–20

Alloplastic spermatocele: poor sperm motility in intraoperative epididymal fluid contraindicates prosthesis implantation. Belker AM, et al. **J Urol** 1986 Aug; 136(2):408–9

Sperm motility. Brokaw CJ. **Methods Cell Biol** 1986;27:41–56 (52 ref.)

Synthesis of highly unsaturated phosphatidylcholines in the development of sperm motility: a role for epididymal glycerol-3-phosphorylcholine. Infante JP, et al. **Mol Cell Biochem** 1985 Nov;69(1):3–6 (35 ref.)

Successful application of in vitro fertilization and embryo replacement in the treatment of infertile women with sperm immobilizing antibody. Sugimoto Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Jul;38(7):1135–6

Cigarette smoking and quality of sperm [letter] Ablin RJ. **NY State J Med** 1986 Feb;86(2):108

Correlation between follicle-stimulating hormone, luteinizing hormone, prolactin, and testosterone with sperm cell concentration and motility. Vasquez JM, et al. **Obstet Gynecol** 1986 Jan;67(1):86–90

Seminal prostaglandins in men with subnormal sperm motility and therapeutic treatment. Schlegel W, et al. **Prostaglandins** 1986 Apr;31(4):735–44

Hyperactivation of human sperm and zona-free hamster egg penetration assay. Okada A, et al. **Z Mikrosk Anat Forsch** 1986;100(2):233–40

[Ultrastructural research on human spermatozoa in 2 cases of severe disorders of motility] Protich M, et al. **Akush Ginekol (Sofiia)** 1986;25(3):69–71 (Eng. Abstr.) (Bul)

[Dependence between the magnesium and calcium content of the spermatozoa of rams and their motility] Kaludin I, et al. **Vet Med Nauki** 1986;23(2):29–33 (Eng. Abstr.) (Bul)

[The cervical factor and the Sims-Huhner test] Pokorný M, et al. **Cesk Gynekol** 1986 Feb;51(1):27–31 (Eng. Abstr.) (Cze)

[Hypotheses concerning variations in sperm motility in peritoneal fluid] Dorez F, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1985;14(8):955–8 (Eng. Abstr.) (Fre)

[The relation between sperm motility and the content of unsaturated fatty acids as well as the osmotic behavior of human spermatozoa] Vette M, et al. **Andrologia** 1985 Sep–Oct;17(5):476–84 (Eng. Abstr.) (Ger)

[Effect of the spermatozoa quality on extracorporeal fertilization] Diedrich K, et al. **Fortschr Med** 1985 Nov 7;103(41):956–60 (Eng. Abstr.) (Ger)

[Effect of late motility on the fertilization of ova in the IVF program] Riss P, et al. **Geburtshilfe Frauenheilkd** 1985 Dec; 45(12):906–7 (Eng. Abstr.) (Ger)

[Measurement of sperm motility in seminal plasma and cervix mucus using laser Doppler spectroscopy] Steiner R, et al. **Gynakologe** 1985 Dec;18(4):193–7 (Ger)

[Effect of various storage temperatures on the quality of thawed steer semen] Holzmann A, et al. **Zentralbl Veterinarmed [A]** 1985 Dec;32(10):721–8 (Eng. Abstr.) (Ger)

[Relaxin and spermatozoa motility] Lessing JB, et al. **Harefuah** 1985 Dec 1;109(11):352–3 (Heb)

[Studies on biological actions of sperm immobilizing antibody on human fertilization in vitro] Daitoh T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Jul; 38(7):1057–65 (Eng. Abstr.) (Jpn)

[The hamster ova penetration test as a method of evaluating mammalian sperm] Katska L. **Ginekol Pol** 1985 Dec; 56(12):725–9 (Eng. Abstr.) (Pol)

[Relation between various characteristics of the semen and the occurrence of conception and unfavorable outcome of pregnancy in women with menstrual cycle disorders] Krzemiński A, et al. **Wiad Lek** 1985 Sep 15;38(18):1283–9 (Eng. Abstr.) (Pol)

[Quantitative study of calmodulin and sperm motility in fertile euspermic and infertile asthenozoospermic individuals] Martínez Zaguilán R, et al. **Ginecol Obstet Mex** 1985 May; 53:123–8 (Eng. Abstr.) (Spa)

[Ultrastructural observations on the spermatozoa of an asthenospermic patient] Vigil P, et al. **Rev Chil Obstet Ginecol** 1985;50(1):62–6 (Eng. Abstr.) (Spa)

DRUG EFFECTS

A direct action of kallikrein on spermatozoal motility? Colpi GM, et al. **Acta Eur Fertil** 1986 Mar–Apr;17(2):121–3

Two plasminogen activators, streptokinase and urokinase, stimulate human sperm motility. Hong CY, et al. **Andrologia** 1985 Jul–Aug;17(4):317–20

Studies on the male antifertility agent gossypol acetic acid. VII. Effect of motility stimulated factors on the revival of human spermatozoal motility after gossypol treatment in vitro. Kalla NR, et al. **Andrologia** 1986 Jul–Aug; 18(4):393–7

Further studies on the effects of pentoxifylline on sperm count and sperm motility in patients with idiopathic oligo-asthenozoospermia. Marrama P, et al. **Andrologia** 1985 Nov–Dec;17(6):612–6

Treatment of asthenozoospermia with HCG. Pusch HH, et al. **Andrologia** 1986 Mar–Apr;18(2):201–7

Investigations on the motility of human spermatozoa in a defined medium in the presence of metabolic inhibitors and of carnitine. Shalev DP, et al. **Andrologia** 1986 Jul–Aug; 18(4):368–75

Effect of caffeine on motility of buffalo spermatozoa in vitro. Singh SD, et al. **Andrologia** 1986 Jan–Feb;18(1):33–6

Effects of a met-enkephalin analogue on motility, O2 consumption, and ATP content of human spermatozoa. Foresta C, et al. **Arch Androl** 1985;14(2–3):247–52

Sperm motility and interactions among seminal uridine, xanthine, urate, and ATPase in fertile and infertile men. Ronquist G, et al. **Arch Androl** 1985;15(1):21–7

Interactive effects of organic and inorganic selenium with cadmium and mercury on spermatozoal oxygen consumption and motility in vitro. Alabi NS, et al. **Biol Reprod** 1985 Nov;33(4):911–9

Effects of pH, lactate, and viscoelastic drag on sperm motility: a species comparison. Carr DW, et al. **Biol Reprod** 1985 Oct;33(3):588–95

Regulation of bovine sperm motility and cyclic adenosine 3',5'-monophosphate by adenosine and its analogues. Vijayaraghavan S, et al. **Biol Reprod** 1986 Apr;34(3):468–77

ATP-induced reactivation of ram testicular, cauda epididymal, and ejaculated spermatozoa extracted with Triton X-100. White IG, et al. **Biol Reprod** 1986 Feb; 34(1):183–93

Effects of trazodone and nadolol upon human sperm motility [letter] Cassidy SL, et al. **Br J Clin Pharmacol** 1986 Jul; 22(1):119–21

Measurement of epididymal sperm motility as a test variable in the rat. Linder RE, et al. **Bull Environ Contam Toxicol** 1986 Mar;36(3):317–24

Phosphoprotein phosphatase inhibits flagellar movement of Triton models of sea urchin spermatozoa. Takahashi D, et al. **Cell Struct Funct** 1985 Dec;10(4):327–37

The inhibitory effect of some ionophores on human sperm motility. Hong CY, et al. **Contraception** 1986 Mar; 33(3):301–6

A comparison of the effects of nonoxynol-9 and chlorhexidine on sperm motility. Louis SM, et al. **Contraception** 1985 Aug;32(2):199–205

Human seminal antiliquefying agents—a potential approach towards vaginal contraception. Mandal A, et al. **Contraception** 1986 Jan;33(1):31–8

Comparison of the action of nonoxynol-9 and chlorhexidine on sperm. Sharman D, et al. **Fertil Steril** 1986 Feb; 45(2):259–64

Inhibition of sperm motility and agglutination of sperm cells by free fatty acids in whole semen. Siegel I, et al. **Fertil Steril** 1986 Feb;45(2):273–9

Activating effect of ammonium chloride on mice sperm motility. Sliwa L, et al. **Folia Biol (Krakow)** 1985; 33(3–4):133–7

Laser light-scattering study of the toxic effects of methylmercury on sperm motility. Mohamed MK, et al. **J Androl** 1986 Jan–Feb;7(1):11–5

Effects of protease inhibitors and substrates on motility of mammalian spermatozoa. de Lamirande E, et al. **J Cell Biol** 1986 Apr;102(4):1378–83

Organic anions stabilize the reactivated motility of sperm flagella and the latency of dynein 1 ATPase activity. Gibbons BH, et al. **J Cell Biol** 1985 Oct;101(4):1281–7

Forskolin stimulates bovine epididymal sperm motility and cyclic AMP levels. Vijayaraghavan S, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1985; 10(5):499–510

Motility and fertility of frozen bull spermatozoa in tris-yolk and milk extenders containing amikacin sulfate. Ahmad K, et al. **J Dairy Sci** 1985 Aug;68(8):2083–6

Both taurine and albumin support mouse sperm motility and fertilizing ability in vitro but there is no obligatory

requirement for taurine. Fraser LR. **J Reprod Fertil** 1986 May;77(1):271–80
Effect of relaxin on human spermatozoa. Lessing JB, et al. **J Reprod Med** 1986 May;31(5):304–9
Membrane stabilising activity and inhibition of human sperm motility [letter] Hong CY, et al. **Lancet** 1986 Aug 16; 2(8503):402
Effect of "Coke" on sperm motility [letter] Umpierre SA, et al. N **Engl J Med** 1985 Nov 21;313(21):1351
Effects of adding acid or base to the diet on semen of heat-stressed, aging broiler breeder males. Latorre JR, et al. **Poult Sci** 1986 Mar;65(3):589–91
Inhibitory effect of cytochalasins on the motility of rat epididymal spermatozoa in vitro. Glinsukon T, et al. **Res Commun Chem Pathol Pharmacol** 1986 Feb;51(2):265–8
[Treatment of oligoasthenozoospermia with vitamin B12] Nalbanski B, et al. **Akush Ginekol (Sofiia)** 1986;25(3):71–4 (Eng. Abstr.) **(Bul)**
[Effect of alpha-tocopherol acetate on sperm motility] Engel S, et al. **Dermatol Monatsschr** 1985;171(12):800–5 (Eng. Abstr.) **(Ger)**
[Production and characterization of a monoclonal sperm immobilizing antibody to seminal plasma antigens] Shigeta M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Oct; 37(10):2031–8 (Eng. Abstr.) **(Jpn)**

SPERM NUMBER see **SPERM COUNT**

SPERM-OVUM INTERACTIONS

The hamster test in a series of 120 infertile patients. Koulischer L, et al. **Acta Eur Fertil** 1985 Jul–Aug; 16(4):251–5
Spermatozoa fertilization capability: multivariate data analysis. Ventura F, et al. **Acta Eur Fertil** 1986 Mar–Apr; 17(2):125–8
Sperm penetration through oocyte investments in mammals. Talbot P. **Am J Anat** 1985 Nov;174(3):331–46
Analysis of meiotic segregation in a man heterozygous for two reciprocal translocations using the hamster in vitro penetration system. Burns JP, et al. **Am J Hum Genet** 1986 Jun;38(6):954–64
An improved, efficient method for analyzing human sperm chromosomes using zona-free hamster ova. Kamiguchi Y, et al. **Am J Hum Genet** 1986 May;38(5):724–40
Peritoneal fluid in patients with and without endometriosis: prostanoids and macrophages and their effect on the spermatozoa penetration assay. Chacho KJ, et al. **Am J Obstet Gynecol** 1986 Jun;154(6):1290–9
An evaluation of different media for the zona-free hamster egg penetration test. Mortimer D. **Am J Obstet Gynecol** 1986 Feb;154(2):351–4
An electron microscopic study of sperm penetration into the human egg investments. Pereda J, et al. **Anat Embryol (Berl)** 1985;173(2):247–52
Influence of the concentration of motile sperm inseminated on the ovum penetration assay results: toward a standardized method. Albert M, et al. **Andrologia** 1986 Mar–Apr;18(2):161–70
Oocyte penetration and acrosome reactions of human spermatozoa. I: Influence of incubation time and medium composition. van Kooij RJ, et al. **Andrologia** 1986 Mar–Apr;18(2):152–60
Intracellular pH shift initiates microtubule-mediated motility during sea urchin fertilization. Schatten G, et al. **Ann NY Acad Sci** 1986;466:940–4
Electrical regulation of sperm-egg fusion. Jaffe LA, et al. **Annu Rev Physiol** 1986;48:191–200 (54 ref.)
Zona-free hamster egg-sperm penetration assay: II. Correlative study with routine semen analysis. Hamdi SA, et al. **Arch Androl** 1985;14(1):59–63
Zona-free hamster egg-sperm penetration assay: I. Testing of human semen fertilizability. Hamdi SA, et al. **Arch Androl** 1985;14(1):51–7
Evaluation of acrosome on Papanicolaou-stained sperm and its relationship to the in vitro fertilizing capacity of human spermatozoa. Jeyendran RS, et al. **Arch Androl** 1986; 16(2):119–23
Reduced penetration of zona-free hamster ova by cryopreserved human spermatozoa. Laufer N, et al. **Arch Androl** 1985;14(2–3):217–22
Human spermatozoa penetration to zona-free hamster ova and the volume of sperm cells. May JY, et al. **Arch Androl** 1986;16(2):131–3
Relationship between acrosome reaction and in vitro fertilization of zona-free hamster eggs by bonnet monkey (Macaca radiata) spermatozoa. Peter J, et al. **Arch Androl** 1985;14(2–3):227–30
Relationship of hamster ovum sperm penetration assay to seminal fluid analyses in the evaluation of infertile couples. Stenchever MA, et al. **Arch Androl** 1985;14(1):65–72
Sperm-egg interactions observed by scanning electron microscopy. Tsuiki A, et al. **Arch Androl** 1986;16(1):35–47
Interactions among motility, fertilizing ability, and testosterone binding on spermatozoa of bonnet monkey (Macaca radiata). Warikoo PK, et al. **Arch Androl** 1986; 16(2):135–41
The role of carbohydrates in sperm-egg interaction in rats. Shalgi R, et al. **Biol Reprod** 1986 Apr;34(3):446–52
Elongation of cytoplasmic processes during gametic mating: models for actin-based motility. Detmers PA. **Can J Biochem Cell Biol** 1985 Jun;63(6):599–607
Sperm binding activity of the zona pellucida of immature mouse oocytes. Cross NL, et al. **Cell Biol Int Rep** 1986 Jul;10(7):545–54
The mouse egg's receptor for sperm: what is it and how does it work? Wassarman PM, et al. **Cold Spring Harbor Symp Quant Biol** 1985;50:11–9
In vitro studies of the golden hamster sperm acrosome reaction: completion on the zona pellucida and induction by homologous soluble zonae pellucidae. Cherr GN, et al. **Dev Biol** 1986 Mar;114(1):119–31
Surface changes at fertilization: integration of sea urchin (Arbacia punctulata) sperm and oocyte plasma membranes. Longo FJ. **Dev Biol** 1986 Jul;116(1):143–59
Phosphorylation of sperm histone H1 is induced by the egg jelly layer in the sea urchin Strongylocentrotus purpuratus. Porter DC, et al. **Dev Biol** 1986 Jul;116(1):203–12
Axis determination in polyspermic Xenopus laevis eggs. Render JA, et al. **Dev Biol** 1986 Jun;115(2):425–33
Morphological identification of sperm receptors above egg microvilli in the polychaete, Neanthes japonica. Sato M, et al. **Dev Biol** 1986 Feb;113(2):263–70
Motile cells lacking hyaluronidase can penetrate the hamster oocyte cumulus complex. Talbot P, et al. **Dev Biol** 1985 Apr;108(2):387–98
Cytotoxic sperm antibodies inhibit sperm penetration of zona-free hamster eggs. Abdel-Latif A, et al. **Fertil Steril** 1986 Apr;45(4):542–9
The relationship between the human sperm hypoosmotic swelling test, routine semen analysis, and the human sperm zona-free hamster ovum penetration assay. Chan SY, et al. **Fertil Steril** 1985 Nov;44(5):668–72
Cryopreservation of hamster oocytes: effects of vitrification or freezing on human sperm penetration of zona-free hamster oocytes. Critser JK, et al. **Fertil Steril** 1986 Aug; 46(2):277–84
Sperm penetration assay [letter] Evans JA. **Fertil Steril** 1986 Jan;45(1):141–2
Influence of the quality of the cervical mucus on sperm penetration: comparison of the morphologic features of spermatozoa in 101 postcoital tests with those in the semen of the husband. Gonzalès J, et al. **Fertil Steril** 1985 Dec; 44(6):796–9
The inhibitory effect of sperm-associated immunoglobulins on cervical mucus penetration. Haas GG Jr. **Fertil Steril** 1986 Aug;46(2):334–7
The value of adenosine triphosphate (ATP) measurements in assessing the fertilizing ability of human spermatozoa. Irvine DS, et al. **Fertil Steril** 1985 Dec;44(6):806–13
Evaluation of in vitro sperm penetration testing of 176 infertile couples with the use of ejaculates and cervical mucus from donors. Jonsson B, et al. **Fertil Steril** 1986 Mar;45(3):353–6
Correlation between the zona-free hamster egg sperm penetration assay and human in vitro fertilization. Margalioth EJ, et al. **Fertil Steril** 1986 May;45(5):665–70
Normal penetration of hamster ova by human spermatozoa with dyskinetic motility. Moryan AI, et al. **Fertil Steril** 1986 May;45(5):735–6
Acrosome reaction in human spermatozoa. Nagae T, et al. **Fertil Steril** 1986 May;45(5):701–7
Evaluation of sperm-cervical mucus interaction. Overstreet JW. **Fertil Steril** 1986 Mar;45(3):324–6
A standardized approach for evaluating the penetration of human spermatozoa into cervical mucus in vitro. Pandya IJ, et al. **Fertil Steril** 1986 Mar;45(3):357–65
Monitoring of suspected infertile men with varicocele by the sperm penetration assay. Rogers BJ, et al. **Fertil Steril** 1985 Dec;44(6):800–5
Computerized staged-freezing technique improves sperm survival and preserves penetration of zona-free hamster ova. Serafini P, et al. **Fertil Steril** 1986 Jun;45(6):854–8
Inhibition of sperm penetration through human zona pellucida by antisperm antibodies. Tsukui S, et al. **Fertil Steril** 1986 Jul;46(1):92–6
A comparison of the penetration of human sperm into bovine and artificial cervical mucus. Urry RL, et al. **Fertil Steril** 1986 Jan;45(1):135–7
Male infertility: the sperm penetration assay. Soderdahl DW, et al. **Hawaii Med J** 1986 Mar;45(3):65–8
Selective association of some hamster-egg-synthesized proteins with decondensing human sperm chromatin. Kopečný V, et al. **Histochemistry** 1986;84(2):197–200
Diagnostic value of the zona-free hamster oocyte penetration test and sperm movement characteristics in oligozoospermia. Aitken RJ. **Int J Androl** 1985 Oct; 8(5):348–56
Prognostic value of the heterologous ovum penetration test for human in vitro fertilization. Belkien L, et al. **Int J Androl** 1985 Aug;8(4):275–84
Morphological factors influencing the penetration of human sperm into cervical mucus in vitro. Jeulin C, et al. **Int J Androl** 1985 Jun;8(3):215–23
Penetration of sperm from teratospermic men into zona-free hamster eggs. Shalgi R, et al. **Int J Androl** 1985 Aug; 8(4):285–94
Alteration of intracellular [Ca2+] in sea urchin sperm by the egg peptide speract. Evidence that increased intracellular Ca2+ is coupled to Na+ entry and increased intracellular pH. Schackmann RW, et al. **J Biol Chem** 1986 Jul 5;261(19):8719–28
Autoradiographic visualization of the mouse egg's sperm receptor bound to sperm. Bleil JD, et al. **J Cell Biol** 1986 Apr;102(4):1363–71
Transformation of sperm nuclei to metaphase chromosomes in the cytoplasm of maturing oocytes of the mouse. Clarke HJ, et al. **J Cell Biol** 1986 Mar;102(3):1039–46
Receptor function of mouse sperm surface galactosyltransferase during fertilization. Lopez LC, et al. **J Cell Biol** 1985 Oct;101(4):1501–10
A role for the migrating sperm surface antigen PH-20 in guinea pig sperm binding to the egg zona pellucida. Primakoff P, et al. **J Cell Biol** 1985 Dec;101(6):2239–44
An ultrastructural observation of mouse fertilization in vivo as revealed by 200 kV electron microscopy. Toshimori K, et al. **J Electron Microsc (Tokyo)** 1982;31(1):35–43
Fertilization potential and polyspermy prevention in the egg of the nemertean, Cerebratulus lacteus. Kline D, et al. **J Exp Zool** 1985 Oct;236(1):45–52
Development of pronuclei from human spermatozoa injected microsurgically into frog (Xenopus) eggs. Ohsumi K, et al. **J Exp Zool** 1986 Mar;237(3):319–25
Avian spermatozoa penetrate zona-free hamster oocytes in vitro. Samour J, et al. **J Exp Zool** 1986 Aug;239(2):295–8
Inhibition of fertilization of the rabbit ova in vitro by the antibody to the inner acrosomal membrane of rabbit spermatozoa. Srivastava PN, et al. **J Exp Zool** 1986 Apr; 238(1):99–102
Application of Poisson distribution theory to the zona-free hamster oocyte penetration test to assess sperm function of men with asthenozoospermia. Aitken RJ, et al. **J Reprod Fertil** 1986 May;77(1):67–74
Interstrain competition amongst mouse spermatozoa inseminated in various proportions, as affected by the genotype of the Y chromosome. Krzanowska H. **J Reprod Fertil** 1986 May;77(1):265–70
DDK egg-foreign sperm incompatibility in mice is not between the pronuclei. Mann JR. **J Reprod Fertil** 1986 Mar; 76(2):779–81
Role of guinea-pig sperm autoantigens in sperm binding to the zona pellucida and oocyte penetration. Munoz de Vera G, et al. **J Reprod Fertil** 1986 Jul;77(2):347–53
Early events of in-vitro fertilization of cat eggs by epididymal spermatozoa. Niwa K, et al. **J Reprod Fertil** 1985 Jul;74(2):657–60
Some factors influencing the interaction of ram spermatozoa with zona-free hamster eggs. Pavlok A, et al. **J Reprod Fertil** 1985 Jul;74(2):597–604
Production of monoclonal antibodies to porcine zona pellucida and their inhibition of sperm penetration through human zona pellucida in vitro. Mori T, et al. **J Reprod Immunol** 1985 Aug;8(1):1–11
Diagnostic and therapeutic technology assessment. Sperm penetration assay. **JAMA** 1985 Oct 11;254(14):1993–4
Phospholipid methylation in starfish spermatozoa is linked to sperm chemoattraction. Tezon J, et al. **Proc Natl Acad Sci USA** 1986 Jun;83(11):3589–93
Centrosomes and microtubule organization during mouse and sea urchin fertilization. Schatten H, et al. **Prog Clin Biol Res** 1986;217B:91–4
Hyperactivation of human sperm and zona-free hamster egg penetration assay. Okada A, et al. **Z Mikrosk Anat Forsch** 1986;100(2):233–40
[In search of the fertilizing potential of sperm] Schoysman R, et al. **Rev Med Brux** 1985 Nov;6(9):633–7 (Eng. Abstr.) **(Fre)**
[Simplified hamster ovum-sperm penetration test (HSPT) in routine sterility testing] Metka MM, et al. **Geburtshilfe Frauenheilkd** 1986 Feb;46(2):110–4 (Eng. Abstr.) **(Ger)**
[Studies on biological actions of sperm immobilizing antibody on human fertilization in vitro] Daitoh T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Jul; 38(7):1057–65 (Eng. Abstr.) **(Jpn)**
[Zona pellucida, a preliminary sperm-binding site in mammalian fertilization] Yamagata T. **Tanpakushitsu Kakusan Koso** 1985 Jun;30(7 Suppl):557–63 (28 ref.) **(Jpn)**
[The hamster ova penetration test as a method of evaluating mammalian sperm] Katska L. **Ginekol Pol** 1985 Dec; 56(12):725–9 (Eng. Abstr.) **(Pol)**

DRUG EFFECTS

Effect of caffeine on human sperm penetration into zona-free hamster ova. Margalioth EJ, et al. **Arch Androl** 1985; 14(2–3):139–42
Nonbeneficial effects of glycerol on the oocyte penetrating capacity of cryopreserved and incubated human spermatozoa. Jeyendran RS, et al. **Cryobiology** 1985 Oct; 22(5):434–7
The use of strontium-substituted media for capacitating human spermatozoa: an improved sperm preparation method for the zona-free hamster egg penetration test. Mortimer D, et al. **Fertil Steril** 1986 Jul;46(1):97–103
Involvement of sperm sulphatases in early sperm-zona interactions in the hamster. Ahuja KK, et al. **J Cell Sci** 1985 Oct;78:247–61
A possible mechanism of action of 17 beta-estradiol in stimulation of fertilization in vitro. Sjöblom P, et al. **J Exp Zool** 1986 Aug;239(2):255–61
Both taurine and albumin support mouse sperm motility and fertilizing ability in vitro but there is no obligatory requirement for taurine. Fraser LR. **J Reprod Fertil** 1986 May;77(1):271–80
Demonstration of galactosyltransferase activity in human

seminal plasma and its relation to sperm penetration in cervical mucus. Ronquist G, et al. **Urol Int** 1985; 40(5):269–73

[Observations of in vitro fertilization capacity and the transformation of human sperm nuclei before and after administration of gossypol acetic acid] Zhang JB, et al. **Shih Yen Sheng Wu Hsueh Pao** 1985 Mar;18(1):59–65 (Eng. Abstr.) **(Chi)**

RADIATION EFFECTS

A prospective serial study of the effects of radiotherapy on semen parameters, and hamster egg penetration rates. Martin RH, et al. **Clin Invest Med** 1985;8(3):239–43

SPERM PENETRATION see **SPERM–OVUM INTERACTIONS**

SPERM TAIL see under **SPERMATOZOA**

SPERM TRANSPORT

Direction of uterine contractions during estrus in ewes: a reevaluation. Toutain PL, et al. **Am J Physiol** 1985 Oct; 249(4 Pt 2):R410–6

Post–ovulatory progression of viable spermatozoa in the sheep oviduct and the influence of multiple mating on their pre–ovulatory distribution. Hunter RH, et al. **Br Vet J** 1986 Jan–Feb;142(1):52–8

Treatment of cervical mucus with lectins: effect on sperm migration. Snyder MG, et al. **Fertil Steril** 1985 Nov; 44(5):633–7

Artificial sperm reservoir on epididymis using pedicled tunica vaginalis for the management of conductive azoospermia. Das S, et al. **Int Surg** 1985 Apr–Jun;70(2):171–3

Onset of the release of spermatozoa (spermarche) in boys in relation to age, testicular growth, pubic hair, and height. Nielsen CT, et al. **J Clin Endocrinol Metab** 1986 Mar; 62(3):532–5

Sperm duct contractions mediate centrally evoked sperm release in goldfish. Dulka JG, et al. **J Exp Zool** 1986 Feb; 237(2):271–9

Phospholipase and lysophospholipase activities of goat spermatozoa in transit from the caput to the cauda epididymidis. Atreja SK, et al. **J Reprod Fertil** 1985 Jul; 74(2):687–91

Enhancement of sperm transport through the rat epididymis after castration. Sujarit S, et al. **J Reprod Fertil** 1985 Jul; 74(2):497–502

[Why are there so many sperm in the ejaculate?] Presl J. **Cesk Gynekol** 1985 Nov;50(9):674–5 **(Cze)**

SPERMATIC CORD

Kimura's disease in the spermatic cord, an unusual site of a rare tumor. van Gulik TM, et al. **Neth J Surg** 1986 Jun; 38(3):93–5

Spermatic cord sarcoma. Leiomyosarcoma and retroperitoneal lymph node dissection. Grey LF, et al. **Urology** 1986 Jan;27(1):28–31

[Malignant tumors of the spermatic cord: report of 5 cases] Chen CG, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Jan; 24(1):40–1, 64 (Eng. Abstr.) **(Chi)**

[Accessory adrenals in the spermatic cord. Apropos of 2 cases] Delmas V, et al. **Ann Urol (Paris)** 1986;20(4):261–4 (Eng. Abstr.) **(Fre)**

[Liposarcoma of the spermatic cord. Description of a case and review of the literature] Buizza C, et al. **Minerva Urol Nefrol** 1985 Jul–Sep;37(3):307–10 (Eng. Abstr.) **(Ita)**

[An operative case of spermatic cord rhabdomyosarcoma—with a review of similar cases in Japan] Tsubura A, et al. **Gan No Rinsho** 1985 Oct; 31(13):1750–5 (Eng. Abstr.) **(Jpn)**

[Arteritis and fatty degeneration of the spermatic cord resembling periarteritis nodosa: a case report] Takai K, et al. **Hinyokika Kiyo** 1986 Apr;32(4):615–8 (Eng. Abstr.) **(Jpn)**

[Benign tumor of the spermatic cord] Gironella Coll J. **Arch Esp Urol** 1985 Sep–Oct;38(5):495–6 (Eng. Abstr.) **(Spa)**

BLOOD SUPPLY

Spermatic venography [letter] Sayfan J. **AJR** 1985 Nov; 145(5):1099–100

Spermatic blood beta HCG levels in testicular tumors and in varicocele. Fiet J, et al. **Prog Clin Biol Res** 1985; 203:117–20

DRUG EFFECTS

Evaluation of the frequency of stages VII–VIII and XIV of the tubular cycle of adult rats, 30 d after phenolization of the spermatic cord. Response to chronic administration of hCG. Carvalho TL, et al. **Anat Anz** 1985;159(1–5):33–41

PATHOLOGY

Hibernoma of the spermatic cord: the first reported case. Fletcher CD, et al. **Br J Urol** 1986 Feb;58(1):99–100

[Giant liposarcoma of the spermatic cord: report of a case] Ishida A, et al. **Hinyokika Kiyo** 1985 Jun;31(6):1059–64 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Sperm duct contractions mediate centrally evoked sperm release in goldfish. Dulka JG, et al. **J Exp Zool** 1986 Feb; 237(2):271–9

ULTRASTRUCTURE

Gap junctions between gonocytes and epithelial cells in the sex cords of the one day old rat. A freeze fracture study. McGinley DM, et al. **J Submicrosc Cytol** 1986 Jan; 18(1):75–84

SPERMATIC CORD TORSION

Testicular torsion [letter] **Br J Surg** 1985 Dec;72(12):1040

Undescended testis and testicular torsion. Sheldon CA. **Surg Clin North Am** 1985 Oct;65(5):1303–29 (132 ref.)

COMPLICATIONS

[Torsion of an abdominal testis with differentiated teratoma] Esterl D, et al. **Zentralbl Chir** 1985;110(16):1015–8 **(Ger)**

[A case of torsion of the undescended testicle] Koide T, et al. **Hinyokika Kiyo** 1986 Mar;32(3):473–6 (Eng. Abstr.) **(Jpn)**

CONGENITAL

[Intrauterine torsion of the spermatic cord] Campo B, et al. **Pediatr Med Chir** 1984 Nov–Dec;6(6):853 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Torsion of intra–abdominal non–malignant testis. A case report. Toft P, et al. **Acta Chir Scand** 1986 Jan;152:77–8

Doppler ultrasound failure [letter] **Ann Emerg Med** 1985 Dec; 14(12):1243–4

Spermatic cord torsion [editorial] Matthews PN. **Arch Dis Child** 1986 May;61(5):426–7

Diagnostic and therapeutic problems of acute scrotum. Horňák M, et al. **Czech Med** 1986;9(1):29–33

Testicular torsion presenting with abdominal pain [letter] Corbett CR, et al. **J R Coll Gen Pract** 1986 Jan;36(282):36, 38

Generalized testicular hyperechogenicity in acute testicular torsion. Chinn DH, et al. **J Ultrasound Med** 1985 Sep; 4(9):495–6

Bilateral neonatal testicular torsion: ultrasonographic evaluation. Zafaranloo S, et al. **J Urol** 1986 Mar; 135(3):589–90

Intermittent testicular torsion. Stillwell TJ, et al. **Pediatrics** 1986 Jun;77(6):908–11

Spermatic cord torsion: diagnostic limitations. Stoller ML, et al. **Pediatrics** 1985 Dec;76(6):929–33

Evaluation and management of the acute scrotum. Son KA, et al. **Primary Care** 1985 Dec;12(4):637–46

Extratesticular hemorrhage associated with torsion of the spermatic cord: sonographic demonstration. Vick CW, et al. **Radiology** 1986 Feb;158(2):401–4

Perforated appendicitis presenting as torsion of spermatic cord. Nsouli I, et al. **Urology** 1986 Aug;28(2):119–20

[Testicular torsion—one of the causes of acute scrotal syndrome in children] Tichý S. **Cesk Pediatr** 1985 Oct; 40(10):576–9 (Eng. Abstr.) **(Cze)**

[Spermatic cord torsion in the neonatal period] Duchatel F, et al. **Rev Fr Gynecol Obstet** 1986 Feb;81(2):71–4 (Eng. Abstr.) **(Fre)**

[Ultrasonic diagnosis in torsion of the testis in children] Tereshchenko AV, et al. **Khirurgiia (Mosk)** 1985 Jul; (7):133–5 **(Rus)**

[Intra–abdominal torsion of an undescended testis] Melekhov EP, et al. **Vestn Khir** 1985 Oct;135(10):67 **(Rus)**

ETIOLOGY

Testicular torsion and low relative humidity in a tropical country. Mabogunje OA. **Br Med J [Clin Res]** 1986 Feb 8;292(6517):363–4

Testicular torsion after orchiopexy. Kuntze JR, et al. **J Urol** 1985 Dec;134(6):1209–10

Torsion of the testis in a skier [letter] Sherry E, et al. **Med J Aust** 1986 Mar 17;144(6):332–3

Testicular torsion after orchiopexy with nonabsorbable sutures. Hulecki SJ, et al. **Urology** 1986 Aug;28(2):131–2

IMMUNOLOGY

Testicular torsion does not cause autoimmunization in man [letter] Ryan PC, et al. **Br J Surg** 1986 Apr;73(4):325–6

[Immunological disorders in testicular torsion in children] Tereshchenko AV, et al. **Vestn Khir** 1986 May;136(5):103–5 **(Rus)**

OCCURRENCE

Testicular torsion in the armed services: twelve year review of 179 cases. Jones DJ, et al. **Br J Surg** 1986 Aug; 73(8):624–6

Increase in hospital admissions for torsion of testis. Nelms M, et al. **J Epidemiol Community Health** 1986 Mar; 40(1):76–9

[Torsion of the spermatic cord in the adult] Cucchi A, et al. **Minerva Urol Nefrol** 1985 Apr–Jun;37(2):177–9 (Eng. Abstr.) **(Ita)**

PATHOLOGY

Effect of experimental torsion of the spermatic cord on sustentacular cells in the guinea–pig testis. Chakraborty J, et al. **Acta Anat (Basel)** 1985;124(3–4):234–40

Morphological and immunological observations in experimentally induced torsion of testis in rats. Kurpisz M, et al. **Am J Reprod Immunol Microbiol** 1985 Dec; 9(4):129–35

Mechanisms of injury in unilateral testis torsion. Kogan S, et al. **Eur Urol** 1986;12(3):184–6

Annulate lamellae in guinea pig Sertoli cells. Chakraborty J, et al. **Exp Mol Pathol** 1986 Apr;44(2):222–9

Histopathology of prepubertal rat testes subjected to various durations of spermatic cord torsion. Cosentino MJ, et al. **J Androl** 1986 Jan–Feb;7(1):23–31

Germ cell degeneration in the contralateral testis of the guinea pig with unilateral torsion of the spermatic cord. Quantitative and ultrastructural studies. Jhunjhunwala JS, et al. **J Androl** 1986 Jan–Feb;7(1):16–22

The effect of unilateral testicular torsion on the contralateral testicle in prepubertal Chinese hamsters. Henderson JA 4th, et al. **J Pediatr Surg** 1985 Dec;20(6):592–7

Testicular histology in children with unilateral testicular torsion. Hadžiselimović F, et al. **J Urol** 1986 Jul;136(1 Pt 2):208–10

Adult testicular torsion. Brewer ME, et al. **Urology** 1986 Apr; 27(4):356–7

[Case of testicular torsion in a newborn infant] Komarov NV, et al. **Klin Khir** 1986;(6):71 **(Rus)**

PHYSIOPATHOLOGY

Stagnation of blood in the microvasculature of the affected and contralateral testes of men with short–term torsion of the spermatic cord. Chakraborty J, et al. **J Androl** 1985 Sep–Oct;6(5):291–9

Seminal fluid changes after testicular torsion. Awojobi OA, et al. **Urology** 1986 Feb;27(2):109–11

[Studies of contralateral testicular function after testicular torsion] Gotoh A, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Oct;76(10):1493–8 (Eng. Abstr.) **(Jpn)**

SURGERY

Testicular torsion in children—bilateral or unilateral operation. Arnbjörnsson E, et al. **Acta Chir Scand** 1985; 151(5):425–7

Technique of orchidopexy following testicular torsion. Waldron RP, et al. **Br J Surg** 1986 May;73(5):372

A vas aberrans torsion. Ballesteros Sampol JJ, et al. **Br J Urol** 1986 Feb;58(1):97

Torsion of the spermatic cord—management update. Downs RA. **J Arkansas Med Soc** 1985 Nov;82(6):253–5

Prepubertal testicular torsion: subsequent fertility. Puri P, et al. **J Pediatr Surg** 1985 Dec;20(6):598–601

Testicular torsion in newborn. Juul PM. **Z Kinderchir** 1985 Aug;40(4):241–2

[Torsion of the spermatic cord. Treatment tactics] Tsvetkov D, et al. **Khirurgiia (Sofiia)** 1985;38(6):69–73 (Eng. Abstr.) **(Bul)**

[Exocrine and endocrine testicular function following unilateral torsion—a retrospective clinical study of 36 patients] Schütte B, et al. **Urologe [A]** 1986 May;25(3):142–6 (Eng. Abstr.) **(Ger)**

[Spermatic cord torsion] Marzorati G, et al. **Minerva Urol Nefrol** 1985 Apr–Jun;37(2):181–3 (Eng. Abstr.) **(Ita)**

[Clinical examination of torsion of the spermatic cord—review of 177 cases reported in the recent Japanese literature including our present 7 cases] Nakajima H, et al. **Hinyokika Kiyo** 1985 Aug;31(8):1371–7 (Eng. Abstr.) **(Jpn)**

[Testicular torsion in children] Gruchalski J, et al. **Wiad Lek** 1985 Nov 1;38(21):1493–7 (Eng. Abstr.) **(Pol)**

THERAPY

Torsion of the testis [letter] **Med J Aust** 1986 Jun 9; 144(12):671–2

SPERMATIDS

ANALYSIS

Isolation and characterization of the ram spermatidal nuclear proteins P1, 3 and T. Dupressoir T, et al. **Exp Cell Res** 1985 Nov;161(1):63–74

High mobility group proteins in ram spermatids. Loir M, et al. **Exp Cell Res** 1986 Aug;165(2):441–9

Expression of proenkephalin messenger RNA by mouse spermatogenic cells. Kilpatrick DL, et al. **Proc Natl Acad Sci USA** 1986 Jul;83(14):5015–8

CYTOLOGY

Multinucleated spermatocytes and spermatids in human seminiferous tubules. Holstein AF, et al. **Andrologia** 1986 Jan–Feb;18(1):5–16

Spermatid giant cells, tubular hypospermatogenesis, spermatogonial swelling, cytoplasmic vacuoles, and tubular dilatation in the testes of normal rabbits. Morton D, et al. **Vet Pathol** 1986 Mar;23(2):176–83

[Classification of the germinal epithelium in Java monkeys

(Macaca cynomolgus) using digital image processing] Dietrich T, et al. **Urologe** [A] 1986 May;25(3):179–86 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Gametes contain angiotensin converting enzyme (kininase II). Brentjens JR, et al. **Experientia** 1986 Apr 15;42(4):399–402

METABOLISM

Glycoprotein synthesis in the Golgi apparatus of spermatids during spermiogenesis of the rat. Clermont Y, et al. **Anat Rec** 1985 Sep;213(1):33–43

Distribution of actin in Sertoli cell ectoplasmic specializations and associated spermatids in the ground squirrel testis. Vogl AW, et al. **Anat Rec** 1986 Aug;215(4):331–41

Evidence for haploid expression of mouse testicular genes. Hecht NB, et al. **Exp Cell Res** 1986 May;164(1):183–90

Effect of glucose on ATP dephosphorylation in rat spermatids. Grootegoed JA, et al. **J Reprod Fertil** 1986 May;77(1):99–107

PHYSIOLOGY

Multinucleate spermatids in aging human testes. Nistal M, et al. **Arch Androl** 1986;16(2):125–9

Interactions of nuclear proteins with DNA, during sperm differentiation in the ram. Loir M, et al. **Chromosoma** 1985; 92(4):304–12

Cell–cell interaction between rat Sertoli cells and mouse germ cells in vitro. van der Donk JA, et al. **Exp Cell Res** 1986 May;164(1):191–8

ULTRASTRUCTURE

Diploid spermatids: a manifestation of spermatogenic impairment in XOSxr and T31H/+ male mice. Levy ER, et al. **Cytogenet Cell Genet** 1986;42(3):159–63

The continuity of endoplasmic reticulum in rat spermatids observed by scanning electron microscopy. Inoué T. **J Electron Microsc (Tokyo)** 1982;31(3):261–3

Structural function of the basic nuclear proteins in ram spermatids. Loir M, et al. **J Ultrastruct Res** 1984 Mar; 86(3):262–72

SPERMATOBLASTS see **SPERMATIDS**

SPERMATOCELE

Alloplastic spermatocele in cases of vasa aplasia. Momen MN, et al. **Arch Androl** 1985;14(1):89–91

ETIOLOGY

"Spermatocele" following abdominoperineal resection and radiotherapy. Lelcuk S, et al. **Dis Colon Rectum** 1986 May; 29(5):355–6

SPERMATOCIDAL AGENTS

Comparison of the action of nonoxynol-9 and chlorhexidine on sperm. Sharman D, et al. **Fertil Steril** 1986 Feb; 45(2):259–64

Effect of "Coke" on sperm motility [letter] Umpierre SA, et al. **N Engl J Med** 1985 Nov 21;313(21):1351

[Local mechanical and chemical contraception. Coitus interruptus] Hauser GA. **Ther Umsch** 1986 May; 43(5):404–10 (Eng. Abstr.) **(Ger)**

[Vaginal contraception using the Today and Benzaltex tampons] Jeker P, et al. **Ther Umsch** 1986 May;43(5):411–6 (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

Toxic shock syndrome and the vaginal contraceptive sponge. Faich G, et al. **JAMA** 1986 Jan 10;255(2):216–8

ADVERSE EFFECTS

Vaginal spermicides and spontaneous abortion of known karyotype. Strobino B, et al. **Am J Epidemiol** 1986 Mar; 123(3):431–43

PHARMACODYNAMICS

An antifertility dose of gossypol does not affect the hypothalamo–pituitary testis axis of male rats. Wang Y, et al. **Chin Med J [Engl]** 1985 Oct;98(10):713–6

Comparison of the spermicidal activity and acute toxicity of nonoxynol-9 and agent 741 [alkylphenoxy polyethoxy ethanol(10)]. Diao XH, et al. **Contraception** 1986 Jan; 33(1):1–5

Nonoxynol-9 and HTLV-III [letter] Voeller B. **Lancet** 1986 May 17;1(8490):1153

In vitro determination of the spermicidal activity of plant saponins. Primorac M, et al. **Pharmazie** 1985 Aug;40(8):585

[Synergic effects of gossypol acetate and sulphadiazine on the LDH-x activity and viability of human sperm] Zhang SF, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1985 Jun; 7(3):229–31 (Eng. Abstr.) **(Chi)**

[Observations of in vitro fertilization capacity and the transformation of human sperm nuclei before and after administration of gossypol acetic acid] Zhang JB, et al. **Shih Yen Sheng Wu Hsueh Pao** 1985 Mar;18(1):59–65 (Eng. Abstr.) **(Chi)**

[Study on the preparation and stability of solid dispersion of gossypol acetic acid–PVP and its spermicidal activity in vitro] Huang Y, et al. **Yao Hsueh Hsueh Pao** 1985 Dec; 20(12):918–22 (Eng. Abstr.) **(Chi)**

[Effect of nonoxynol (Patentex) on forensic sperm detection] Haffner HT, et al. **Beitr Gerichtl Med** 1985;43:279–85 (Eng. Abstr.) **(Ger)**

SPERMATOCYTES

see related

SPERM MATURATION

ANALYSIS

Histone variants in rat spermatogonia and primary spermatocytes. Meistrich ML, et al. **Dev Biol** 1985 Nov; 112(1):230–40

Cell interactions in the rat seminiferous epithelium with special reference to the cellular distribution of calmodulin. Mali P, et al. **Med Biol** 1986;63(5–6):237–44

Expression of proenkephalin messenger RNA by mouse spermatogenic cells. Kilpatrick DL, et al. **Proc Natl Acad Sci USA** 1986 Jul;83(14):5015–8

CYTOLOGY

Multinucleated spermatocytes and spermatids in human seminiferous tubules. Holstein AF, et al. **Andrologia** 1986 Jan–Feb;18(1):5–16

Isolation and biochemical studies of enriched populations of spermatogonia and early primary spermatocytes from rat testes. Bucci LR, et al. **Biol Reprod** 1986 Feb;34(1):195–206

Kinetochore microtubules and chromosome movement during prometaphase in Drosophila melanogaster spermatocytes studied in life and with the electron microscope. Church K, et al. **Chromosoma** 1985; 92(4):273–82

The mechanism of autosomal synapsis and the substaging of zygonema and pachynema from deer mouse spermatocytes. Greenbaum IF, et al. **Chromosoma** 1986; 93(3):203–12

DNA synthesis at selective sites during pachytene in mouse spermatocytes. Stubbs L, et al. **Chromosoma** 1986; 93(6):529–36

Transition from somatic to meiotic pairing and progressional changes of the synaptonemal complex in spermatocytes of Aedes aegypti. Wandall A, et al. **Chromosoma** 1985; 92(4):254–64

Effects of the male contraceptive agent gossypol on meiotic chromosomes of the male rat. Bhagirath T, et al. **Cytogenet Cell Genet** 1985;39(3):228–30

Multistranded organization of the lateral elements of the synaptonemal complex in the rat and mouse. del Mazo J, et al. **Cytogenet Cell Genet** 1986;41(4):219–24

Chromosome elimination in the Japanese hagfish, Eptatretus burgeri (Agnatha, Cyclostomata). Kohno S, et al. **Cytogenet Cell Genet** 1986;41(4):209–14

DRUG EFFECTS

Induction of DNA repair in rat spermatocytes and hepatocytes by 1,2-dibromoethane: the role of glutathione conjugation. Working PK, et al. **Carcinogenesis** 1986 Mar; 7(3):467–72

A quantitative study of stage-specific spermatocyte damage following administration of ethylene glycol monomethyl ether in the rat. Creasy DM, et al. **Exp Mol Pathol** 1985 Dec;43(3):321–36

Unscheduled DNA synthesis in rat tracheal epithelial cells, hepatocytes and spermatocytes following exposure to methyl chloride in vitro and in vivo. Working PK, et al. **Mutat Res** 1986 Sep;162(2):219–24

METABOLISM

Stimulation of protein synthesis in pachytene primary spermatocytes from the human testis by pyruvate. Nakamura M, et al. **Andrologia** 1985 Sep–Oct;17(5):461–5

Immunoreactive sites and accumulation of somatomedin-C in rat Sertoli-spermatogenic cell co-cultures. Tres LL, et al. **Exp Cell Res** 1986 Jan;162(1):33–50

The murine gamma-chain of the T cell receptor is closely linked to a spermatocyte specific histone gene and the beige coat color locus on chromosome 13. Owen FL, et al. **J Immunol** 1986 Aug 1;137(3):1044–6

A mouse homeo box gene is expressed in spermatocytes and embryos. Rubin MR, et al. **Science** 1986 Aug 8; 233(4764):663–7

[Biochemical and ultrastructural analyses of the synaptonemal complex in mammalian spermatocytes] Gorach GG, et al. **Tsitologiia** 1985 Dec;27(12):1347–52 (Eng. Abstr.) **(Rus)**

PATHOLOGY

[Effect of emotional stress on the frequency of meiotic abnormalities in male mice] Gorlov IP, et al. **Genetika** 1986 Jun;22(6):1019–24 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Investigation of possible age effects on meiotic chromosomal recombination and segregation in Armenian hamster spermatocytes. Allen JW, et al. **Cytobios** 1985; 43(172–173):225–32

Cell–cell interaction between rat Sertoli cells and mouse germ cells in vitro. van der Donk JA, et al. **Exp Cell Res** 1986 May;164(1):191–8

ULTRASTRUCTURE

Genetic control of sex-chromosomal univalency in the spermatocytes of C57BL/6J and DBA/2J mice. Biddle FG, et al. **Can J Genet Cytol** 1985 Dec;27(6):741–50

Studies on the cytochemical nature of the synaptonemal complex in Mus musculus. Coll MD, et al. **Cell Mol Biol** 1986;32(4):441–7

Freeze-fracture studies on mitochondrial membranes of spermatocytes. Cieciura L, et al. **Cell Tissue Res** 1986; 244(2):437–41

Synaptonemal complex analysis in spermatocytes and oocytes of tertiary trisomic Ts(512)31H mice with male sterility. Mahadevaiah S, et al. **Cytogenet Cell Genet** 1986; 41(3):169–76

Sequential analysis of synaptonemal complexes in the repopulating spermatocytes of Rattus norvegicus after restricting the germ cell population to spermatogonia by gossypol treatment. Bhagirath T, et al. **Eur J Cell Biol** 1986 Apr;40(2):226–32

Synapsis and synaptic adjustment in an infertile human male heterozygous for a pericentric inversion in chromosome 1. Gabriel-Robez O, et al. **Hum Genet** 1986 Feb; 72(2):148–52

Membrane and cytoplasmic proteins are transported in the same organelle complex during nematode spermatogenesis. Roberts TM, et al. **J Cell Biol** 1986 May;102(5):1787–96

The kinetic polarities of spindle microtubules in vivo, in crane-fly spermatocytes. I. Kinetochore microtubules that re-form after treatment with colcemid. Czaban BB, et al. **J Cell Sci** 1985 Nov;79:1–37

The kinetic polarities of spindle microtubules in vivo, in crane-fly spermatocytes. II. Kinetochore microtubules in non-treated spindles. Czaban BB, et al. **J Cell Sci** 1985 Nov;79:39–65

Spontaneous occurrence of XYY primary spermatocytes in the Sitka deer mouse. Hale DW, et al. **J Hered** 1986 Mar–Apr;77(2):131–2

The synaptonemal complex, recombination nodules and chiasmata in human spermatocytes. Rasmussen SW, et al. **Symp Soc Exp Biol** 1984;38:271–92

SPERMATOGENESIS

Spermatogenic disturbance induced in mice by combined local injection of monoclonal antibodies to Sertoli cell and to basal lamina of seminiferous tubule. Ichinohasama R, et al. **Am J Reprod Immunol Microbiol** 1986 Apr; 10(4):158–65

Evaluation of the frequency of stages VII–VIII and XIV of the tubular cycle of adult rats, 30 d after phenolization of the spermatic cord. Response to chronic administration of hCG. Carvalho TL, et al. **Anat Anz** 1985;159(1–5):33–41

Distinct argyrophilic cytoplasmic organelles revealed during mouse spermiogenesis. A fine structural and cytochemical study. Czaker R. **Anat Embryol (Berl)** 1985;172(2):247–54

Fine structure of spermatogenesis and Sertoli cells (Epitheliocytus sustentans) in the bull. Ekstedt E, et al. **Anat Histol Embryol** 1986 Mar;15(1):23–48

Interstitial compartment pathology and spermatogenic disruption in testes from impotent diabetic men. Cameron DF, et al. **Anat Rec** 1985 Sep;213(1):53–62

Glycoprotein synthesis in the Golgi apparatus of spermatids during spermiogenesis of the rat. Clermont Y, et al. **Anat Rec** 1985 Sep;213(1):33–43

Immunocytochemical study on fibrous sheath formation in mouse spermiogenesis using a monoclonal antibody. Sakai Y, et al. **Anat Rec** 1986 Jun;215(2):119–26

Changes in porcine sperm lactate dehydrogenase isoenzymes during sperm maturation. Egbunike GN, et al. **Andrologia** 1986 Jan–Feb;18(1):108–13

Relative positions of the spermatogenic stages in the mouse testis: morphological evidences for their non-randomized adjacencies. Redi CA. **Andrologia** 1986 Jan–Feb; 18(1):25–32

Do non-spermatozoal cells mainly stem from spermiogenesis? Study of 106 fertile and 102 subfertile men. Auroux M, et al. **Arch Androl** 1985;14(1):73–80

Testicular aging: vascularization and gametogenesis modifications in the Wistar rat. Auroux M, et al. **Arch Androl** 1985;14(2–3):115–21

Spermatogenesis in the bandicoot rat. I. Duration of the cycle of the seminiferous epithelium. Hikim AP, et al. **Arch Androl** 1985;14(2–3):151–4

Spermatogenic onset: the role of FSH on the control of spermatogonial multiplication and differentiation in immature rats. Chemes HE, et al. **Arch Biol Med Exp (Santiago)** 1984 Dec;17(3–4):257–65

Endocrine control of mammalian testicular ontogenesis. Courot M, et al. **Arch Biol Med Exp (Santiago)** 1984 Dec; 17(3–4):249–55

Developmental regulation of galactoglycerolipid and galactosphingolipid sulphation during mammalian spermatogenesis. Evidence for a substrate-selective inhibitor of testicular sulphotransferase activity in the rat. Lingwood CA. **Biochem J** 1985 Oct 15;231(2):393–400

Expression of acrosin during mouse spermatogenesis: a biochemical and immunocytochemical analysis by a monoclonal antibody C 11 H. Kallajoki M, et al.

Biol Reprod 1986 Aug;35(1):157–65

Changes in the organization of the lipid bilayer of the plasma membrane during spermatogenesis and epididymal maturation. Schlegel RA, et al. **Biol Reprod** 1986 Mar; 34(2):379–91

Protein–glycolipid interactions during spermatogenesis. Binding of specific germ cell proteins to sulfatoxygalactosylacylalkylglycerol, the major glycolipid of mammalian male germ cells. Lingwood CA. **Can J Biochem Cell Biol** 1985 Oct;63(10):1077–85

Molecular cloning and sequence analysis of a haploid expressed gene encoding t complex polypeptide 1. Willison KR, et al. **Cell** 1986 Mar 14;44(5):727–38

A computer model of spermatogenesis in the rat; correlation with flow cytometric data based on autoradiographic cell–cycle properties. van Kroonenburgh MJ, et al. **Cell Tissue Kinet** 1986 Mar;19(2):171–7

Male pachytene pairing in single and double translocation heterozygotes and spermatogenic impairment in the mouse. de Boer P, et al. **Chromosoma** 1986;93(4):326–36

The effects of frequent ejaculation on seminal spermatozoal number and calculation of daily spermatozoal output. Tyler JP, et al. **Clin Reprod Fertil** 1985 Jun;3(2):145–9

Nuclear proteins in spermatogenesis. Grimes SR Jr. **Comp Biochem Physiol [B]** 1986;83(3):495–500 (62 ref.)

Changes in accessibility of DNA to various fluorochromes during spermatogenesis. Evenson D, et al. **Cytometry** 1986 Jan;7(1):45–53

Germ cells in Hydra oligactis males. I. Isolation of a subpopulation of interstitial cells that is developmentally restricted to sperm production. Littlefield CL. **Dev Biol** 1985 Nov;112(1):185–93

Identification and redistribution of lamins during nuclear differentiation in mouse spermatogenesis. Maul GG, et al. **Dev Biol** 1986 May;115(1):68–77

Size changes of protamine 1 mRNA provide a molecular marker to monitor spermatogenesis in wild–type and mutant mice. Hecht NB, et al. **Differentiation** 1985; 29(2):189–93

Sequential analysis of synaptonemal complexes in the repopulating spermatocytes of Rattus norvegicus after restricting the germ cell population to spermatogonia by gossypol treatment. Bhagirath T, et al. **Eur J Cell Biol** 1986 Apr;40(2):226–32

Evidence for haploid expression of mouse testicular genes. Hecht NB, et al. **Exp Cell Res** 1986 May;164(1):183–90

Potential indicators of reproductive toxicity: testicular sperm production and epididymal sperm number, transit time, and motility in Fischer 344 rats. Blazak WF, et al. **Fundam Appl Toxicol** 1985 Dec;5(6 Pt 1):1097–103

Mg2+–ATPase activity in the rat testis and its correlation with the stages of spermatogenesis: a histochemical study. Hettwer H, et al. **Histochem J** 1985 Dec;17(12):1299–308

Sperm–chromatin maturation in the mouse. A cytochemical approach. Manfredi Romanini MG, et al. **Histochemistry** 1986;84(4–6):484–91

Effect of hypobaric hypoxia on spermatogenesis, Leydig cells and delta 5–3 beta–hydroxysteroid dehydrogenase activity in toad. Biswas HM, et al. **Indian J Physiol Pharmacol** 1985 Jul–Sep;29(3):139–45

Fertilization in amphibians: the ancestry of the block to polyspermy. Elinson RP. **Int Rev Cytol** 1986;101:59–100 (247 ref.)

Dynamics of spermatogenesis, hormonal and immune response of patients suffering from chronic prostatitis and sterility under bitemporal treatment with an ultra–high frequency electric field. Bogolyubov VM, et al. **Int Urol Nephrol** 1986;18(1):89–97

Active immunization of prepubertal boars against testosterone: testicular and endocrine responses at 14 months of age. Thompson DL Jr, et al. **J Anim Sci** 1985 Dec;61(6):1498–504

Poly(ADP–ribosylation) at successive stages of rooster spermatogenesis. Levels of polymeric ADP–ribose in vivo and poly(ADP–ribose) polymerase activity and turnover of ADP–ribosyl residues in vitro. Corominas M, et al. **J Biol Chem** 1985 Dec 25;260(30):16269–73

Extracellular matrix regulates Sertoli cell differentiation, testicular cord formation, and germ cell development in vitro. Hadley MA, et al. **J Cell Biol** 1985 Oct; 101(4):1511–22

Membrane and cytoplasmic proteins are transported in the same organelle complex during nematode spermatogenesis. Roberts TM, et al. **J Cell Biol** 1986 May;102(5):1787–96

Monoclonal antibodies that recognize a polypeptide antigenic determinant shared by multiple Caenorhabditis elegans sperm–specific proteins. Ward S, et al. **J Cell Biol** 1986 May;102(5):1778–86

Fetuin: a serum component associated with rat Sertoli and spermatogenic cells in coculture. Abdullah M, et al. **J Cell Physiol** 1986 Jun;127(3):463–72

Anti–tubulin antibodies locate the biepharoplast during spermatogenesis in the fern Platyzoma microphyllum R.Br.: a correlated immunofluorescence and electron–microscopic study. Doonan JH, et al. **J Cell Sci** 1986 Mar;81:243–65

Facultative heterochromatin in Locusta migratoria spermatogenesis: correlation between electron opacity and heteropycnosis. Friedländer M, et al. **J Cell Sci** 1986 Mar; 81:299–306

Quantitation of two–dimensional gel proteins reveals unequal amounts of Tcp–1 gene products during mouse spermatogenesis but no correlation with transmission ratio distortion. Sánchez ER, et al. **J Embryol Exp Morphol** 1985 Oct;89:123–31

Regulation of stages VI and VIII of the rat seminiferous epithelial cycle in vitro. Toppari J, et al. **J Endocrinol** 1986 Mar;108(3):417–22

In–vitro secretion of inhibin–like activity by Sertoli cells from normal and prenatally irradiated immature rats. Ultee–van Gessel AM, et al. **J Endocrinol** 1986 Jun;109(3):411–8

Descriptive kinetics of spermatogenesis in four chromosomal species of the Spalax ehrenbergi superspecies in Israel. Redi CA, et al. **J Exp Zool** 1986 Apr;238(1):81–8

Rat spermatogenesis in vitro traced by quantitative flow cytometry. Toppari J, et al. **J Histochem Cytochem** 1986 Aug;34(8):1029–35

Calmodulin immunoelectron microscopy: redistribution during ram spermatogenesis and epididymal maturation. II. Weinman S, et al. **J Histochem Cytochem** 1986 Sep; 34(9):1181–93

The role of a Sertoli cell actin–myosin system in sperm buadle formation in the ratfish, Hydrolagus colliei (Chondrichthyes, Holocephali). Stanley HP, et al. **J Morphol** 1985 Nov;186(2):223–36

Morphogenesis and cytochemistry of the postacrosomal dense lamina during mouse spermiogenesis. Czaker R. **J Ultrastruct Res** 1985 Jan;90(1):26–39

Spermatic vessel ligation (Fowler–Stephens maneuver): experimental results with regard to fertility. Ortolano V, et al. **J Urol** 1986 Jul;136(1 Pt 2):211–3

Cell interactions in the rat seminiferous epithelium with special reference to the cellular distribution of calmodulin. Mali P, et al. **Med Biol** 1986;63(5–6):237–44

Paracrine role of Sertoli cells. Saez JM, et al. **Med Biol** 1986; 63(5–6):225–36

Spermatogenic failure in male mice lacking H–Y antigen. Burgoyne PS, et al. **Nature** 1986 Mar 13–19; 320(6058):170–2

Chronology of meiosis and spermiogenesis in an Indian catfish, Heteropneustes fossilis (Bloch). Bandyopadhay TK, et al. **Okajimas Folia Anat Jpn** 1985 Jul;62(2):115–21

Photoperiod, diet, and method of feeding on reproduction. Dobrescu O. **Poult Sci** 1986 Mar;65(3):559–64

c–Abl is differentially expressed during mouse spermatogenesis. Wolgemuth DJ, et al. **Prog Clin Biol Res** 1986;217A:249–52

Histological assessment of puberty in dogs in the Zaria area of northern Nigeria. Kumi–Diaka J, et al. **Res Vet Sci** 1986 May;40(3):281–4

Genetic characterisation of the mithun (Bos frontalis) and studies of spermatogenesis, blood groups and haemoglobins of its hybrids with Bos indicus. Winter H, et al. **Res Vet Sci** 1986 Jan;40(1):8–17

Meiotic pairing and gametogenic failure. Burgoyne PS, et al. **Symp Soc Exp Biol** 1984;38:349–62

Spermatid giant cells, tubular hypospermatogenesis, spermatogonial swelling, cytoplasmic vacuoles, and tubular dilatation in the testes of normal rabbits. Morton D, et al. **Vet Pathol** 1986 Mar;23(2):176–83

[Fluctuation in the concentration of sex steroids and aflatoxin B1 in the seminal plasma of boars and its relation to sperm production] Picha J, et al. **Vet Med (Praha)** 1986 Jun; 31(6):347–57 (Eng. Abstr.) **(Cze)**

[Classification criteria for the epithelium cycle of the seminiferous tubule, based on studies in the cat (Felis catus)] Böhme G, et al. **Berl Munch Tierarztl Wochenschr** 1986 Jul 1;99(7):232–6 (Eng. Abstr.) **(Ger)**

[Increased desquamation of immature germ cells in the ejaculate of infertile men] Sigg C, et al. **Hautarzt** 1985 Aug; 36(8):441–8 (Eng. Abstr.) **(Ger)**

[Spermatogenesis in the aged—a borderland between normal and pathologic anatomy] Holstein AF. **Urologe [A]** 1986 May;25(3):130–7 (Eng. Abstr.) **(Ger)**

[Retrospective evaluation of the findings in male fertility disorders with special reference to spermiograms and hormone analyses] Peters I, et al. **Urologe [A]** 1986 May; 25(3):138–41 (Eng. Abstr.) **(Ger)**

[Varicocele and fertility—spermiographic and histologic findings] Zepnick H, et al. **Z Urol Nephrol** 1986 Apr; 79(4):229–39 (Eng. Abstr.) **(Ger)**

[Spermatogenesis in varicoceles after correction of the blood supply to the testis] Mel'man EP, et al. **Arkh Anat Gistol Embriol** 1986 Apr;90(4):65–9 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Reversible changes in rat spermatogenesis induced by an antifertility substance (Gossypol). A histochemical report. Haider SG, et al. **Acta Histochem (Jena)** 1985;77(2):185–91

Initiation of spermatogenesis during chemotherapy for leukemia. Müller J, et al. **Acta Paediatr Scand** 1985 Nov; 74(6):956–60

Sperm maturation and storage in the male rat after acute treatment with aflatoxin B1. Egbunike GN. **Andrologia** 1985 Jul–Aug;17(4):379–82

Spermatogenesis of rat: effect of central norepinephrine synthesis inhibition by diethyldithiocarbamate. Mazumder R, et al. **Andrologia** 1985 Jul–Aug;17(4):400–5

Effects of steel mutation on spermatogenesis stimulated by fetuin. Nishimune Y, et al. **Arch Androl** 1985;15(2–3):117–21

Luteinizing hormone–releasing hormone [letter] Glass AR. **Arch Intern Med** 1986 Mar;146(3):603, 607

Protection from procarbazine–induced damage of spermatogenesis in the rat by androgen. Delic JI, et al. **Cancer Res** 1986 Apr;46(4 Pt 2):1909–14

Effect of cannabinoids on spermatogenesis in vivo: a cytological study. Zimmerman AM, et al. **Cytobios** 1986; 45(180):7–15

Testicular dysfunctions in patients after cytostatic treatment of non–seminomatous testis tumours. Ondruš D, et al. **Czech Med** 1986;9(1):34–7

Identifying agents that damage human spermatogenesis: abnormalities in sperm concentration and morphology. Wyrobek AJ. **IARC Sci Publ** 1984;(59):387–402

Effects of cyproterone acetate, cyproterone and testosterone on HCG induced spermatogenesis in the Indian bullfrog Rana tigerina (Daud) during postbreeding regression phase. Kurian T, et al. **Indian J Exp Biol** 1985 Oct;23(10):556–60

Effect of DL–6–(N–alpha–pipecolinomethyl)–5–hydroxy–indane maleate (PMHI) on the reproductive system of a wild rat, Bandicota bengalensis. Sinha Hikim AP. **Int J Androl** 1985 Oct;8(5):393–402

Maintenance of spermatogenesis by intranasal administration of gonadotropin–releasing hormone in patients with hypothalamic hypogonadism. Klingmüller D, et al. **J Clin Endocrinol Metab** 1985 Nov;61(5):868–72

Chronic human chorionic gonadotropin administration in normal men: evidence that follicle–stimulating hormone is necessary for the maintenance of quantitatively normal spermatogenesis in man. Matsumoto AM, et al. **J Clin Endocrinol Metab** 1986 Jun;62(6):1184–92

Effect of intraventricular injection of 5,6–dihydroxytryptamine on spermatogenesis and plasma testosterone levels in the rat. Das TK, et al. **J Endocrinol** 1985 Sep;106(3):395–400

Testosterone maintains pituitary and serum FSH and spermatogenesis in gonadotrophin–releasing hormone antagonist–suppressed rats. Rea MA, et al. **J Endocrinol** 1986 Jan;108(1):101–7

Role of seminal prostaglandins in male fertility. II. Effects of prostaglandin synthesis inhibition on spermatogenesis in man. Conte D, et al. **J Endocrinol Invest** 1985 Aug; 8(4):289–91

Effects of danazol on spermatogenesis in adult rats. van Kroonenburgh MJ, et al. **J Reprod Fertil** 1986 May; 77(1):233–8

Reproductive toxicity of 2,4–toluenediamine in the rat. 2. Spermatogenic and hormonal effects. Thysen B, et al. **J Toxicol Environ Health** 1985;16(6):763–9

Gonadotropin releasing hormone (GnRH) agonists in male contraception. Swerdloff RS, et al. **Med Biol** 1986; 63(5–6):218–24

Regulation of primate testicular function by GnRH analogues. Weinbauer GF, et al. **Med Biol** 1986; 63(5–6):210–7

Testing for the chemical induction of aneuploidy in the male mouse. Brook JD, et al. **Mutat Res** 1986 Apr;164(2):117–25

Effect of doxorubicin and 4'–epi–doxorubicin on mouse spermatogenesis. Hacker–Klom UB, et al. **Mutat Res** 1986 Mar;160(1):39–46

Germ–cell mutagenesis and GSH depression in reproductive tissue of the F–344 rat induced by ethyl methanesulfonate. Teaf CM, et al. **Mutat Res** 1985 Oct;144(2):93–8

Parlodel treatment of uremic hypogonadism in men. Ermolenko VM, et al. **Nephron** 1986;42(1):19–22

Toxicity of thiotepa on mouse spermatogenesis as determined by dual–parameter flow cytometry. Evenson DP, et al. **Toxicol Appl Pharmacol** 1986 Jan;82(1):151–63

[Effect of environmental pollutants on the spermatogram] Schill WB. **Hautarzt** 1986 Jun;37(6):301–3 (Eng. Abstr.) **(Ger)**

[Effects of etretinate on spermatogenesis and endocrine parameter function in man] Suzuki A, et al. **Hinyokika Kiyo** 1986 Jan;32(1):55–9 (Eng. Abstr.) **(Jpn)**

[Selective induction of mutations during the early stage of Drosophila spermatogenesis after treatment with 1,2–dichloroethane] Rapoport IA, et al. **Doki Akad Nauk SSSR** 1986 Jul–Aug;289(1):216–9 **(Rus)**

[Characteristics of the testicular reaction to administration of chorionic gonadotropin in immature intact and hypophysectomized rats after destruction and stimulation of the hippocampus] Kreshchuk LN. **Fiziol Zh** 1986 Mar–Apr;32(2):207–11 (Eng. Abstr.) **(Rus)**

[Cytological criteria for spermatogenic function in toxicological hygiene research] Ivanov IuV. **Gig Sanit** 1986 Apr;(4):52–5 **(Rus)**

[Quantitative study of spermatogenesis in rats developing avitaminosis A from the use of retinoic acid] Pozniakov SP, et al. **Izv Akad Nauk SSSR [Biol]** 1985 Sep–Oct; (5):731–41 (Eng. Abstr.) **(Rus)**

[Effect of gossypol on spermatogenesis and fertility in man and mammals] Sadykov AS, et al. **Ontogenez** 1985 Jul–Aug; 16(4):346–57 (100 ref.) (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Recovery of spermatogenesis following pelvic irradiation for Hodgkin's disease. Pedrick TJ, et al. **Int J Radiat Oncol Biol Phys** 1986 Jan;12(1):117–21

In vivo effects of iron–55 and iron–59 on mouse testes: biophysical dosimetry of Auger electrons. Rao DV, et al. **J Nucl Med** 1985 Dec;26(12):1456–65

[Mammalian spermatogenesis as a biological indicator for ionizing radiation] Hacker–Klom U, et al. **Z Naturforsch [C]** 1985 Nov–Dec;40(11–12):898–907 (Eng. Abstr.) **(Ger)**

[Analysis of the modifying effect of testosterone on postradiation changes in spermatogenesis] Ganzenko LF, et al. **Radiobiologiia** 1985 Sep-Oct;25(5):631-5 (Eng. Abstr.) **(Rus)**

SPERMATOGONIA see under **SPERMATOZOA**

SPERMATOZOA

see related
OLIGOSPERMIA

A new instant cryoprotectant for human sperm. Kaden R, et al. **Arch Androl** 1985;14(2-3):133-7
Pregnancy following insemination with sperm aspirated directly from vas deferens. Bustillo M, et al. **Fertil Steril** 1986 Jul;46(1):144-6
The recovery of sperm, insemination, and pregnancy in the treatment of infertility because of retrograde ejaculation. Cameron MC, et al. **Fertil Steril** 1985 Dec;44(6):844-5
Intrauterine inseminations with washed human spermatozoa. Confino E, et al. **Fertil Steril** 1986 Jul;46(1):55-60
American Society of Andrology 11th annual meeting. Grand Rapids, April 2023, 1986. Abstracts. **J Androl** 1986 Mar-Apr;7(2):P1-32
Sperm and ova as property. Jansen RP. **J Med Ethics** 1985 Sep;11(3):123-6
Operative recovery of vasal sperm from anejaculatory men: preliminary report. Berger RE, et al. **J Urol** 1986 May; 135(5):948-50
Alloplastic spermatoceles: a 5-year experience. Ross LS, et al. **J Urol** 1986 Aug;136(2):410-2
[Spermatic infection. Its consequences in infertility and its prevention] Hermabessière J. **J Urol (Paris)** 1984; 90(10):601-5 **(Fre)**
[Male infertility in Gabon. Comparison of spermatic parameters between fertile and infertile groups] Nguéma-Emane M, et al. **Pathol Biol (Paris)** 1986 Mar; 34(3):179-82 (Eng. Abstr.) **(Fre)**
[A method for careful isolation of the heads and tails of bovine spermatozoa] Tönhardt H, et al. **Arch Exp Veterinarmed** 1986 Mar;40(2):277-83 (Eng. Abstr.) **(Ger)**
[Comparative studies on stallion sperm after repeated sperm collection and subsequent deep-freeze conservation] von Frey W, et al. **Zentralbl Veterinarmed [A]** 1986 Feb; 33(2):155-9 (Eng. Abstr.) **(Spa)**

ABNORMALITIES

Abaxial implantation of the middle piece in spermatozoa and spermatids in related sterile boars. Thilander G, et al. **Acta Vet Scand** 1985;26(4):513-20
Human sperm morphology and the outcome of modified Kremer tests. Mortimer D, et al. **Andrologia** 1986 Jul-Aug; 18(4):376-9
Lack of correlation between human y-positive spermatozoa and acrosomal abnormalities and variations in intensity of fluorescence of sperm stained with quinacrine compounds. Singer R, et al. **Arch Androl** 1985;15(1):11-4
Chromosomal abnormalities in human sperm. Martin RH. **Basic Life Sci** 1985;36:91-102
Is there a specific abnormality of sperm morphology in men with varicoceles? Ayodeji O, et al. **Fertil Steril** 1986 Jun; 45(6):839-42
Lower sperm characteristics in 36 brothers of infertile men, compared with 545 controls. Czyglik F, et al. **Fertil Steril** 1986 Feb;45(2):255-8
Cigarette smoking and its possible effects on sperm. Kulikauskas V, et al. **Fertil Steril** 1985 Oct;44(4):526-8
Fertility of sperm from t/+ mice: evidence that +-bearing sperm are dysfunctional. Olds-Clarke P, et al. **Genet Res** 1986 Feb;47(1):49-52
Penetration of sperm from teratospermic men into zona-free hamster eggs. Shalgi R, et al. **Int J Androl** 1985 Aug; 8(4):285-94
The clinical value of morphological rating of human spermatozoa. Bostofte E, et al. **Int J Fertil** 1985;30(3):31-7
Distribution and retention of spermatozoa with acrosomal and nuclear abnormalities in the cow genital tract. Mitchell JR, et al. **J Anim Sci** 1985 Oct;61(4):956-67
Studies with unbalanced DNA precursor pools in vivo. Clode SA, et al. **Prog Clin Biol Res** 1986;209A:551-61
Flow cytometry of acridine orange stained sperm is a rapid and practical method for monitoring occupational exposure to genotoxicants. Evenson DP. **Prog Clin Biol Res** 1986; 207:121-32
Application of human sperm parameters for monitoring. Wyrobek AJ. **Prog Clin Biol Res** 1986;207:101-20
Frequency and structure of macrophages and abnormal sperm cells in guinea fowl semen. Hess RA, et al. **Reprod Nutr Dev** 1986;26(1A):39-51
A spermatozoal abnormality in dogs related to infertility. Renton JP, et al. **Vet Rec** 1986 Apr 12;118(15):429-30
[Cytogenetics of human gametes: its application to the study of fertilization anomalies] Sele B, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1985;14(8):997-1003 (Eng. Abstr.) **(Fre)**
[Anomalies of the sperm, vas deferens and epididymis in cystic fibrosis] Feigelson J, et al. **Presse Med** 1986 Mar 15;15(11):523-5 (Eng. Abstr.) **(Fre)**
[Effect of the spermatozoa quality on extracorporeal fertilization] Diedrich K, et al. **Fortschr Med** 1985 Nov 7;103(41):956-60 (Eng. Abstr.) **(Ger)**
[Disorders of the form of spermatozoa in semen and cervix mucus as a mirror of testicular diseases] Hofmann N, et al. **Gynakologe** 1985 Dec;18(4):189-92 **(Ger)**

ANALYSIS

Lability to acid hydrolysis in some different DNA-protein complexes of spermatozoa. Silva MJ, et al. **Acta Histochem (Jena)** 1986;78(2):197-215
Glutathione content in the semen of bulls of the lowland black-white breed. Slaweta R, et al. **Acta Physiol Pol** 1985 Mar-Apr;36(2):107-11
Nuclear zinc in human epididymal and ejaculated spermatozoa. Kvist U, et al. **Acta Physiol Scand** 1985 Oct; 125(2):297-303
Effects of a met-enkephalin analogue on motility, O2 consumption, and ATP content of human spermatozoa. Foresta C, et al. **Arch Androl** 1985;14(2-3):247-52
Significance of adenosinetriphosphate in human sperm as clinical parameter. Schlegel W, et al. **Arch Androl** 1985; 14(2-3):171-6
Isolation and characterization of a rabbit sperm tail protein. Wang LF, et al. **Arch Androl** 1986;16(1):55-66
Biochemical studies on proacrosin and acrosin from epididymal boar spermatozoa: in vitro translation of boar testicular proacrosin mRNA. Berruti G, et al. **Biochem Biophys Res Commun** 1986 Jul 16;138(1):139-45
Composition of gangliosides from ovine testis and spermatozoa. Gore PJ, et al. **Biochim Biophys Acta** 1986 Mar 21;876(1):36-47
The primary structure of sperm whale hemoglobin (Physeter catodon, cetacea). Abbasi A, et al. **Biol Chem Hoppe Seyler** 1986 Apr;367(4):355-61
Isolation and amino-acid sequence analysis of human sperm protamines P1 and P2. Occurrence of two forms of protamine P2. Ammer H, et al. **Biol Chem Hoppe Seyler** 1986 Jun;367(6):515-22
Membrane glycoproteins from spermatozoa: partial characterization of an integral Mr = approximately 24,000 molecule from rat spermatozoa that is glycosylated during epididymal maturation. Hamilton DW, et al. **Biol Reprod** 1986 Jun;34(5):925-36
Isolation and characterization of a macromolecular complex associated with the outer acrosomal membrane of bovine spermatozoa. Olson GE, et al. **Biol Reprod** 1985 Oct; 33(3):761-79
Glycoproteins: a variable factor in surface transformation of ram spermatozoa during epididymal transit. Voglmayr JK, et al. **Biol Reprod** 1985 Aug;33(1):165-76
Nucleic acids in the spermatozoa of pure and strain crosses of White Leghorn cockerels. Sarkhel BC, et al. **Br Poult Sci** 1986 Mar;27(1):49-53
Correlation of the fertilising ability of semen from individual male fowls with sperm motility and ATP content. Wishart GJ, et al. **Br Poult Sci** 1986 Mar;27(1):97-102
Retention of a functional resact receptor in isolated sperm plasma membranes. Bentley JK, et al. **Cell** 1986 Apr 25; 45(2):281-8
Histone variants in rat spermatogonia and primary spermatocytes. Meistrich ML, et al. **Dev Biol** 1985 Nov; 112(1):230-40
Human sperm protamines. Amino-acid sequences of two forms of protamine P2. McKay DJ, et al. **Eur J Biochem** 1986 Apr 1;156(1):5-8
Salt-induced folding of sea urchin sperm chromatin. Thomas JO, et al. **Eur J Biochem** 1986 Jan 15;154(2):343-8
Differential distribution of tubulin epitopes in human spermatozoa. Gallo JM, et al. **Eur J Cell Biol** 1986 Mar; 40(1):111-6
A simple quantitative method for the estimation of free ecto-sulfhydryl groups of spermatozoa. Roy N, et al. **Exp Cell Res** 1986 Jun;164(2):415-25
Discovery of a gamma-carboxyglutamic acid-containing protein in human spermatozoa. Soute BA, et al. **FEBS Lett** 1985 Oct 7;190(1):137-41
The value of adenosine triphosphate (ATP) measurements in assessing the fertilizing ability of human spermatozoa. Irvine DS, et al. **Fertil Steril** 1985 Dec;44(6):806-13
Cytochemical studies on the basic nuclear proteins of buffalo, goat and ram spermatozoa. Bilaspuri GS, et al. **Folia Biol (Praha)** 1985;31(4):241-7
Cytochemical evaluation of sperm and lymphocyte DNA content after treatment with 5 N HCl. Redi CA, et al. **Histochemistry** 1986;84(1):41-4
Evidence for a fucose-binding protein in boar spermatozoa. Töpfer-Petersen E, et al. **Histochemistry** 1985;83(2):139-45
Evidence for a guanine nucleotide-binding regulatory protein in invertebrate and mammalian sperm. Identification by islet-activating protein-catalyzed ADP-ribosylation and immunochemical methods. Kopf GS, et al. **J Biol Chem** 1986 Jun 5;261(16):7327-31
Identification of zona binding proteins of rabbit, pig, human, and mouse spermatozoa on nitrocellulose blots. O'Rand MG, et al. **J Exp Zool** 1985 Sep;235(3):423-8
Application of deoxyribonucleic acid (DNA) polymorphisms to the analysis of DNA recovered from sperm. Giusti A, et al. **J Forensic Sci** 1986 Apr;31(2):409-17
Taurine content and amino acid composition of human acrosome. Velázquez A, et al. **Life Sci** 1986 Mar 17; 38(11):991-5
Evidence for diplasmalogen as the major component of rabbit sperm phosphatidylethanolamine. Touchstone JC, et al. **Lipids** 1985 Dec;20(12):869-75
Isolation of embryonic cilia and sperm flagella. Stephens RE. **Methods Cell Biol** 1986;27:217-27 (15 ref.)
Detection of sperm histone diversity among vertebrates by alkaline fast green staining. Bols NC, et al. **Stain Technol** 1986 Mar;61(2):111-9
[Dependence between the magnesium and calcium content of the spermatozoa of rams and their motility] Kaludin I, et al. **Vet Med Nauki** 1986;23(2):29-33 (Eng. Abstr.) **(Bul)**
[Results of the treatment of varicocele based on the spermogram. Apropos of 300 cases] Letawe J, et al. **Acta Urol Belg** 1985;53(4):672-8 (Eng. Abstr.) **(Fre)**
[In search of the fertilizing potential of sperm] Schoysman R, et al. **Rev Med Brux** 1985 Nov;6(9):633-7 (Eng. Abstr.) **(Fre)**
[Difference of some laboratory findings between investigations in medical practice and the clinical laboratory] Schirren C. **Andrologia** 1986 May-Jun; 18(3):332-4 (Eng. Abstr.) **(Ger)**
[Ion levels in spermatozoa and seminal plasma of the boar and ram] Petzoldt R, et al. **Arch Exp Veterinarmed** 1986 May;40(3):469-77 (Eng. Abstr.) **(Ger)**
[The occurrence of calmodulin in seminal plasma, sperm heads and sperm tails of cattle] Tönhardt H, et al. **Arch Exp Veterinarmed** 1986 Mar;40(2):284-93 (Eng. Abstr.) **(Ger)**
[DNA of the hepatitis B virus in human generative cells] Naumova AK, et al. **Genetika** 1986 Jan;22(1):166-8 (Eng. Abstr.) **(Rus)**
[Cytophotometric analysis of DNA and histones in the spermatozoa of ram sires in natural hypovitaminosis A] Zakhidov ST, et al. **Izv Akad Nauk SSSR [Biol]** 1985 Sep-Oct;(5):742-7 (Eng. Abstr.) **(Rus)**
[Study of the ejaculate] Bazarnova MA, et al. **Lab Delo** 1986; (5):267-70 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Flow cytometric analysis of viability of bull sperm cells. Mátyus L, et al. **Acta Biochim Biophys Acad Sci Hung** 1984; 19(3-4):209-14
Distribution of intramembranous particles and filipin-sterol complexes in mouse sperm membranes: polyene antibiotic filipin treatment. Toshimori K, et al. **Am J Anat** 1985 Dec; 174(4):455-70
Analysis of meiotic segregation in a man heterozygous for two reciprocal translocations using the hamster in vitro penetration system. Burns JP, et al. **Am J Hum Genet** 1986 Jun;38(6):954-64
Effect of method of collection on seminal characteristics of the domestic cat. Dooley MP, et al. **Am J Vet Res** 1986 Feb;47(2):286-92
On the origin of nuclear vacuoles in spermatozoa a fine structural and cytochemical study in mice. Czaker R. **Andrologia** 1985 Nov-Dec;17(6):547-57
Shape and position of the haploid peak in flow cytometric sperm histograms for the assessment of andrological diseases. Hettwer H, et al. **Andrologia** 1986 May-Jun; 18(3):312-20
Morphological selection of human spermatozoa in cervical mucus "in vivo" Ragni G, et al. **Andrologia** 1985 Sep-Oct; 17(5):508-12
Separation of normozoospermic human spermatozoa into subpopulations by selective agglutination with peanut agglutinin. Singer R, et al. **Andrologia** 1986 Jan-Feb; 18(1):17-24
Seminal biochemistry and sperm characteristics in infertile men with bacteria in ejaculate. Grizard G, et al. **Arch Androl** 1985;15(2-3):181-6
Evaluation of acrosome on Papanicolaou-stained sperm and its relationship to the in vitro fertilizing capacity of human spermatozoa. Jeyendran RS, et al. **Arch Androl** 1986; 16(2):119-23
Solubilization of human sperm antigens. Suominen J, et al. **Arch Androl** 1985;15(2-3):109-16
Meiotic investigations of aneuploidy in the human. Hulten M, et al. **Basic Life Sci** 1985;36:75-90
Isolation and biochemical studies of enriched populations of spermatogonia and early primary spermatocytes from rat testes. Bucci LR, et al. **Biol Reprod** 1986 Feb;34(1):195-206
Light and electron microscopic studies on the localization of steroid-binding protein (SBP) in rabbit spermatozoa. David GF, et al. **Biol Reprod** 1985 Sep;33(2):503-14
Fertility differences among male rabbits determined by heterospermic insemination of fluorochrome-labeled spermatozoa. Parrish JJ, et al. **Biol Reprod** 1985 Nov; 33(4):940-9
A computer model of spermatogenesis in the rat; correlation with flow cytometric data based on autoradiographic cell-cycle properties. van Kroonenburgh MJ, et al. **Cell Tissue Kinet** 1986 Mar;19(2):171-7
Consequences of polyspermy in man. Angell RR, et al. **Cytogenet Cell Genet** 1986;42(1-2):1-7
Chromosome elimination in the Japanese hagfish, Eptatretus burgeri (Agnatha, Cyclostomata). Kohno S, et al. **Cytogenet Cell Genet** 1986;41(4):209-14
Single-channel activity of bilayers derived from sea urchin sperm plasma membranes at the tip of a patch-clamp electrode. Lievano A, et al. **Dev Biol** 1985 Nov; 112(1):253-7
Surface changes at fertilization: integration of sea urchin (Arbacia punctulata) sperm and oocyte plasma membranes. Longo FJ. **Dev Biol** 1986 Jul;116(1):143-59

Suppression of the intratesticular testosterone is associated with quantitative changes in spermatogonial populations in intact adult rats. Huang HF, et al. **Endocrinology** 1986 Feb;118(2):619–27

In vivo and in vitro stimulatory effect of a gonadotropin-releasing hormone analog (HOE 766) on spermatogonial multiplication in the frog, Rana esculenta. Minucci S, et al. **Endocrinology** 1986 Aug;119(2):731–6

Stimulation of ribonucleic acid and deoxyribonucleic acid synthesis in spermatogenic cells by their coculture with Sertoli cells. Rivarola MA, et al. **Endocrinology** 1985 Nov; 117(5):1796–802

Immunocytochemical localization of actin in the sperm head of Talpa europaea (Insectivora). Castellani-Ceresa L, et al. **Exp Cell Biol** 1986;54(2):112–8

The relationship between the human sperm hypoosmotic swelling test, routine semen analysis, and the human sperm zona-free hamster ovum penetration assay. Chan SY, et al. **Fertil Steril** 1985 Nov;44(5):668–72

Concentration of viable spermatozoa for artificial insemination. Jeyendran RS, et al. **Fertil Steril** 1986 Jan; 45(1):132–4

Supravital staining of frozen human spermatozoa. Mahadevan MM. **Fertil Steril** 1985 Dec;44(6):842–3

Use of bovine serum albumin column to improve sperm selection for human in vitro fertilization. Perrone D, et al. **Fertil Steril** 1985 Dec;44(6):839–41

Morphometric analysis of spermatogenesis in the assessment of human male fertility. Katz DF, et al. **J Androl** 1986 Jul–Aug;7(4):203–10

Correlation between human sperm swelling in hypoosmotic medium (hypoosmotic swelling test) and in vitro fertilization. Van der Ven HH, et al. **J Androl** 1986 May–Jun;7(3):190–6

Autoradiographic visualization of the mouse egg's sperm receptor bound to sperm. Bleil JD, et al. **J Cell Biol** 1986 Apr;102(4):1363–71

Possible separation of ram and bull spermatozoa by a novel method: industrial autofocusing. Petrvalský E, et al. **J Chromatogr** 1986 May 16;358(1):279–83

Descriptive kinetics of spermatogenesis in four chromosomal species of the Spalax ehrenbergi superspecies in Israel. Redi CA, et al. **J Exp Zool** 1986 Apr;238(1):81–8

The detection of spermatozoa in the mouth. Willott GM, et al. **J Forensic Sci Soc** 1986 Mar–Apr;26(2):125–8

Photoperiodic variations of somatic and germ cell populations in the Soay ram testis. Hochereau-de Reviers MT, et al. **J Reprod Fertil** 1985 Jul;74(2):329–34

Review of literature on chemical-induced aneuploidy in mammalian male germ cells. Allen JW, et al. **Mutat Res** 1986 Jan–Mar;167(1–2):123–37 (61 ref.)

Japanese gynaecology. Gender selection sparks row [news] Swinbanks D. **Nature** 1986 Jun 19–25;321(6072):720

Chronology of meiosis and spermiogenesis in an Indian catfish, Heteropneustes fossilis (Bloch). Bandyopadhay TK, et al. **Okajimas Folia Anat Jpn** 1985 Jul;62(2):115–21

The influence of staining techniques and examiners on evaluation of the morphology of fowl spermatozoa. Bilgili SF, et al. **Poult Sci** 1985 Dec;64(12):2358–61

Age-related variations in seminiferous tubule dimensions and germinal and Sertoli cell numbers in guinea-fowl raised under a 14L:10D photoperiod. Brillard JP. **Poult Sci** 1986 Feb;65(2):369–74

The history and future of the cryopreservation of avian germ plasm. Lake PE. **Poult Sci** 1986 Jan;65(1):1–15

Effects of artificial illumination on turkey sperm viability. Williams CJ, et al. **Poult Sci** 1985 Dec;64(12):2351–7

Sexing of mammalian sperm. Mohri H, et al. **Prog Clin Biol Res** 1986;217A:179–82

Meiosis and differentiation of mouse germ cells. McLaren A. **Symp Soc Exp Biol** 1984;38:7–23 (33 ref.)

Budgerigar spermatozoa [letter] Humphreys PN. **Vet Rec** 1986 May 24;118(21):595

[Selection of spermatozoa in the cervical mucus] Moskova P, et al. **Akush Ginekol (Sofiia)** 1986;25(3):74–9 (Eng. Abstr.) **(Bul)**

[Seasonal variation in the testis diameter and sperm morphology in the Vendean ram and Texel ram] Colas G, et al. **Reprod Nutr Dev** 1986;26(3):863–75 (Eng. Abstr.) **(Fre)**

[Distribution of heavy metals in human ejaculate—a histochemical study] Kruczynski D, et al. **Acta Histochem (Jena)** 1986;79(2):187–92 (Eng. Abstr.) **(Ger)**

[Cytological criteria for spermatogenic function in toxicological hygiene research] Ivanov IuV. **Gig Sanit** 1986 Apr;(4):52–5 **(Rus)**

DRUG EFFECTS

Effects of methyl mercury on sperm oxygen consumption. Mohamed MK, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Mar;58(3):219–24

Molecules that initiate or help stimulate the acrosome reaction by their interaction with the mammalian sperm surface. Meizel S. **Am J Anat** 1985 Nov;174(3):285–302

Effect of lower versus higher doses of tamoxifen on pituitary-gonadal function and sperm indices in oligozoospermic men. Dony JM, et al. **Andrologia** 1985 Jul–Aug;17(4):369–78

Effect of divalent ions in acrosome reaction induced by glycosamineglycans in porcine spermatozoa. Delgado NM, et al. **Arch Androl** 1985;14(2–3):193–8

Inhibition of canine spermatogonial mitosis with follicle regulatory protein. Fujimori K, et al. **Arch Androl** 1986; 16(1):25–34

Oligozoospermia, asthenozoospermia, and sperm abnormalities in ex-addict to heroin, morphine, and hashish. Singer R, et al. **Arch Androl** 1986;16(2):167–74

Alloxan toxicity in human and canine spermatozoa. Possible biochemical basis for a species difference in sensitivity. Gorus FK, et al. **Biochem Pharmacol** 1986 May 15; 35(10):1725–9

Phosphoprotein phosphatase inhibits flagellar movement of Triton models of sea urchin spermatozoa. Takahashi D, et al. **Cell Struct Funct** 1985 Dec;10(4):327–37

Effects of di(2-ethylhexyl) phthalate on the gonadal pathophysiology, sperm morphology, and reproductive performance of male rats. Agarwal DK, et al. **Environ Health Perspect** 1986 Mar;65:343–50

Genetic toxicology of phthalate esters: mutagenic and other genotoxic effects. Douglas GR, et al. **Environ Health Perspect** 1986 Mar;65:255–62

Gonadal genotoxicity assays as practical surrogates for germ-cell mutagenicity assays. Ashby J. **Environ Mutagen** 1985;7(3):263–6

Differential effect of i.p.- and i.v.-injected adriamycin on the clonogenic spermatogonia of murine testis. Moore JV, et al. **Eur J Cancer Clin Oncol** 1985 Aug;21(8):991–4

The effects of anticalmodulin drugs on the ultrastructure of boar spermatozoa. Berruti G, et al. **Eur J Cell Biol** 1985 Nov;39(1):147–52

Response of murine spermatocytes to the metaphase-arresting effect of several mitotic arrestants. Liang JC, et al. **Experientia** 1985 Dec 15;41(12):1586–8

Multiple actions of a novel vaginal contraceptive compound, ORF 13904. Foldesy RG, et al. **Fertil Steril** 1986 Apr; 45(4):550–5

Comparison of the action of nonoxynol-9 and chlorhexidine on sperm. Sharman D, et al. **Fertil Steril** 1986 Feb; 45(2):259–64

Reproduction study of caffeine administration to male Osborne-Mendel rats. Whitby KE, et al. **Food Chem Toxicol** 1986 Apr;24(4):277–82

Implantation of artificial spermatocele with cup-shaped prosthesis for excretory azoospermia and chemical management of aspirated spermatozoa. Yoshida H, et al. **J Androl** 1986 Jul–Aug;7(4):220–3

Motility and fertility of frozen bull spermatozoa in tris-yolk and milk extenders containing amikacin sulfate. Ahmad K, et al. **J Dairy Sci** 1985 Aug;68(8):2083–6

DES induced sperm destruction in Lakeview hamsters. Singh H, et al. **J Environ Pathol Toxicol Oncol** 1986 Mar–Apr; 6(3–4):323–6

Bleomycin-induced DNA-strand damage in isolated male germ cells. Coogan TP, et al. **Mutat Res** 1986 Sep; 162(2):215–8

The frequency of dominant cataract and recessive specific-locus mutations in mice derived from 80 or 160 mg ethylnitrosourea per kg body weight treated spermatogonia. Favor J. **Mutat Res** 1986 Aug;162(1):69–80

The use of alkaline elution procedures to measure DNA damage in spermiogenic stages of mice exposed to methyl methanesulfonate. Sega GA, et al. **Mutat Res** 1986 Jan–Feb; 159(1–2):55–63

Dominant lethal effects of acrylamide in male mice. Shelby MD, et al. **Mutat Res** 1986 Jan;173(1):35–40

Induction of shape abnormality and unscheduled DNA synthesis by arecoline in the germ cells of mice. Sinha A, et al. **Mutat Res** 1985 Dec;158(3):189–92

Dose-repetition increases the mutagenic effectiveness of N-ethyl-N-nitrosourea in mouse spermatogonia. Hitotsumachi S, et al. **Proc Natl Acad Sci USA** 1985 Oct; 82(19):6619–21

Clastogenic potential in mouse spermatogonia of chemical mutagens related to their cell-cycle specificities. Adler ID. **Prog Clin Biol Res** 1986;209B:477–84

Translocation and specific locus mutation response of mouse spermatogonial stem cells to fractionated and combined X-ray chemical mutagen treatments. Cattanach BM. **Prog Clin Biol Res** 1986;209B:485–91

Protein sulfhydryl reactivity and sperm activation. Hino A, et al. **Prog Clin Biol Res** 1986;217B:69–73

Positive genetic hazard predictions from short-term tests have proved false for results in mammalian spermatogonia with all environmental chemicals so far tested. Russell WL. **Prog Clin Biol Res** 1986;209B:67–74

In vivo and in vitro evaluations of spermatotoxicity induced by 2-ethoxyethanol treatment. Oudiz D, et al. **Toxicol Appl Pharmacol** 1986 Jul;84(3):576–83

Evaluation of the cytotoxicity and genotoxicity of the spermicides nonoxynol-9 and octoxynol-9. Buttar HS, et al. **Toxicol Lett** 1986 Apr;31(1):65–73

Effects of neonatal estrogenization on germ cell development. Gaytan F, et al. **Z Mikrosk Anat Forsch** 1986; 100(2):290–300

[Synergic effects of gossypol acetate and sulphadiazine on the LDH-x activity and viability of human sperm] Zhang SF, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1985 Jun; 7(3):229–31 (Eng. Abstr.) **(Chi)**

[Observations of in vitro fertilization capacity and the transformation of human sperm nuclei before and after administration of gossypol acetic acid] Zhang JB, et al. **Shih Yen Sheng Wu Hsueh Pao** 1985 Mar;18(1):59–65 (Eng. Abstr.) **(Chi)**

[Effect of nonoxynol (Patentex) on forensic sperm detection] Haffner HT, et al. **Beitr Gerichtl Med** 1985;43:279–85 (Eng. Abstr.) **(Ger)**

[Dose dependencies of mutations of germ cells in mice] Eling UKh. **Tsitol Genet** 1986 May–Jun;20(3):180–90 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Demonstration of thiamine pyrophosphatase in human germ cells and Sertoli cells, a histochemical study. Passia D, et al. **Acta Histochem (Jena)** 1985;77(1):47–53

The effect of zinc, arginine, fructose and seminal supernatant of normal semen on the triple adenosine triphosphatase activities of the spermatozoa from males with oligoasthenozoospermia. Karacagil M, et al. **Andrologia** 1985 Jul–Aug;17(4):383–8

Deoxyribonuclease activity in human sperm. Singer R, et al. **Arch Androl** 1985;15(2–3):105–7

Manganese and manganese-ATP interactions with bovine sperm adenylate cyclase. Brown MA, et al. **Arch Biochem Biophys** 1986 Feb 1;244(2):719–26

Inhibition of the catalytic subunit of ram sperm adenylate cyclase by adenosine. Henry D, et al. **Biochem Biophys Res Commun** 1986 Jun 30;137(3):970–7

Phosphorylation of external cell-surface proteins by an endogenous ecto-protein kinase of goat epididymal intact spermatozoa. Haldar S, et al. **Biochim Biophys Acta** 1986 Aug 1;887(3):291–303

Identification of an ATPase activity associated with the high molecular weight proteins of the human spermatozoon axonemes. Cibert C. **Biol Cell** 1985;55(1–2):63–9

Expression of acrosin during mouse spermatogenesis: a biochemical and immunocytochemical analysis by a monoclonal antibody C 11 H. Kallajoki M, et al. **Biol Reprod** 1986 Aug;35(1):157–65

Characterization of a calcium-modulated adenylate cyclase from abalone spermatozoa. Kopf GS, et al. **Biol Reprod** 1985 Dec;33(5):1094–104

Cyclic AMP-dependent protein kinase isozymes of bovine epididymal spermatozoa: evidence against the existence of an ectokinase. Noland TD, et al. **Biol Reprod** 1986 May; 34(4):681–9

Localization of ornithine decarboxylase in rat testicular cells and epididymal spermatozoa. Qian ZU, et al. **Biol Reprod** 1985 Dec;33(5):1189–95

Identification of calpain II in porcine sperm. Schollmeyer JE. **Biol Reprod** 1986 May;34(4):721–31

Comparative activation studies with extracted and purified human proacrosin. Mack SR, et al. **Comp Biochem Physiol [B]** 1986;83(3):537–43

The complete amino acid sequence of vitelline coat lysin. Haino-Fukushima K, et al. **Eur J Biochem** 1986 Feb 3; 154(3):503–10

Gametes contain angiotensin converting enzyme (kininase II). Brentjens JR, et al. **Experientia** 1986 Apr 15;42(4):399–402

Positive correlation between the level of protein-carboxyl methylase in spermatozoa and sperm motility. Gagnon C, et al. **Fertil Steril** 1986 Jun;45(6):847–53

Adenylate cyclase activity of mouse sperm during capacitation in vitro: effect of calcium and a GTP analogue. Monks NJ, et al. **Int J Androl** 1986 Feb;9(1):67–76

Beta-galactosidase in the seminal plasma and reproductive organs of the bull. Jauhiainen A, et al. **Int J Biochem** 1986; 18(8):719–24

Activation of palmitic acid by human spermatozoa. Jones RE, et al. **J Androl** 1985 Sep–Oct;6(5):265–70

A Zn2+-dependent and histone H1-specific protease in sea urchin sperm. Taniguchi Y, et al. **J Biochem (Tokyo)** 1986 Mar;99(3):931–8

Two heavy chains of 21S dynein from sea urchin sperm flagella. Yano-Toyoshima Y. **J Biochem (Tokyo)** 1985 Sep; 98(3):767–79

Receptor function of mouse sperm surface galactosyltransferase during fertilization. Lopez LC, et al. **J Cell Biol** 1985 Oct;101(4):1501–10

The substructure of isolated and in situ outer dynein arms of sea urchin sperm flagella. Sale WS, et al. **J Cell Biol** 1985 Oct;101(4):1400–12

Phosphorylation of membrane-bound guanylate cyclase of sea urchin spermatozoa. Ward GE, et al. **J Cell Biol** 1986 Jul;103(1):95–101

Involvement of sperm sulphatases in early sperm-zona interactions in the hamster. Ahuja KK, et al. **J Cell Sci** 1985 Oct;78:247–61

Creatine kinase isoenzymes in spermatozoa. Wallimann T, et al. **J Muscle Res Cell Motil** 1986 Feb;7(1):25–34

Phospholipase and lysophospholipase activities of goat spermatozoa in transit from the caput to the cauda epididymidis. Atreja SK, et al. **J Reprod Fertil** 1985 Jul; 74(2):687–91

Acid and neutral alpha-glucosidase in the reproductive organs and seminal plasma of the bull. Jauhiainen A, et al. **J Reprod Fertil** 1985 Jul;74(2):669–80

beta-N-acetylglucosaminidase in the reproductive organs and seminal plasma of the bull. Jauhiainen A, et al. **J Reprod Fertil** 1986 Jan;76(1):239–50

Cyclic nucleotide phosphodiesterases in somatic and germ cells of mouse seminiferous tubules. Rossi P, et al. **J Reprod Fertil** 1985 Jul;74(2):317–27

The role of beta-N-acetylglucosaminidase in sea urchin sperm-egg interaction. Cacace MG, et al.

Prog Clin Biol Res 1986;217B:79–83

[Acrosomal enzymes in the seminal plasma of men with idiopathic varicocele and infertility] Kremenski K, et al. **Akush Ginekol (Sofiia)** 1985;24(4):67–70 (Eng. Abstr.) **(Bul)**

[Lactate dehydrogenase isoenzymes in the ejaculate of men following the surgical treatment of cryptorchism—orchidopexy] Uzunov V, et al. **Khirurgiia (Sofiia)** 1986;39(2):36–8 **(Bul)**

[Effect of cryopreservation on the acrosomal enzyme activity of the spermatozoa of rams] Tsekova E, et al. **Vet Med Nauki** 1986;23(1):73–6 (Eng. Abstr.) **(Bul)**

[Localization of enzymes in human spermatozoa. II. Dehydrogenases] Taniguchi K, et al. **Nippon Hoigaku Zasshi** 1985 Aug;39(4):268–74 (Eng. Abstr.) **(Jpn)**

[Studies for development and clinical use of the simplified method of acrosin measurement by using gelatin substrate slides] Hasegawa T. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Dec; 37(12):2713–21 (Eng. Abstr.) **(Jpn)**

GROWTH & DEVELOPMENT

Spermatogenic onset: the role of FSH on the control of spermatogonial multiplication and differentiation in immature rats. Chemes HE, et al. **Arch Biol Med Exp (Santiago)** 1984 Dec;17(3–4):257–65

Mouse testicular and sperm cell development characterized from birth to adulthood by dual parameter flow cytometry. Janca FC, et al. **Biol Reprod** 1986 May;34(4):613–23

IMMUNOLOGY

Relationship between local and systemic autoantibodies to sperm, and evaluation of immunobead test for sperm surface antibodies. Adeghe JH, et al. **Acta Eur Fertil** 1986 Mar–Apr;17(2):99–105

The role of Micro-S.I.T. in the evaluation of antisperm immunization in infertile women. Barba G, et al. **Acta Eur Fertil** 1985 Sep–Oct;16(5):337–41

The M.A.R. test role for a rapid detection of antisperm autoimmunization in infertile men. Cimino C, et al. **Acta Eur Fertil** 1985 Sep–Oct;16(5):347–53

Suppressor T lymphocytes and cross-reactive sperm antigens in human semen. Witkin SS. **AIDS Res** 1983–84;1(5):339–45

Immunological consequences of vasectomy and consideration of some of their implications. Blaustein D, et al. **Allergol Immunopathol (Madr)** 1986 Mar–Apr;14(2):95–9 (22 ref.)

Blocking of human fertilization in vitro by sera with sperm-immobilizing antibodies. Kamada M, et al. **Am J Obstet Gynecol** 1985 Oct 1;153(3):328–31

Analysis of antibodies against mouse spermatozoa using an enzyme-linked immunosorbent assay (ELISA). Allen RD, et al. **Am J Reprod Immunol Microbiol** 1986 Jan;10(1):26–31

The immunoglobulin class of antisperm antibodies [letter] Bronson RA. **Am J Reprod Immunol Microbiol** 1985 Dec; 9(4):142

Induction of the shaking phenomenon by IgA class antispermatozoal antibodies from serum. Clarke GN. **Am J Reprod Immunol Microbiol** 1985 Sep;9(1):12–4

Failure to identify HLA ABC and Dr antigens on human sperm. Haas GG Jr, et al. **Am J Reprod Immunol Microbiol** 1986 Feb;10(2):39–46

An enzyme-linked immunosorbent assay for measuring antisperm autoantibodies following vasectomy in Lewis rats. Herr JC, et al. **Am J Reprod Immunol Microbiol** 1986 Jul;11(3):75–81

Quantitation of sperm bindable IgA and IgG in seminal fluid. Howe SE, et al. **Am J Reprod Immunol Microbiol** 1986 May;11(1):17–23

The development of a contraceptive vaccine by purification of antigens from gametes. Isojima S, et al. **Am J Reprod Immunol Microbiol** 1986 Mar;10(3):90–2

Suppression of post-vasectomy cytotoxic sperm antibody formation in rats by a short-term pretreatment with cyclosporine. Lovett J, et al. **Am J Reprod Immunol Microbiol** 1986 Jun;11(2):65–8

Reversible immunosuppression of fertility in the rat following immunization by a liposome incorporated spermatozoal polypeptide fraction. Mettler L, et al. **Am J Reprod Immunol Microbiol** 1985 Oct;9(2):56–61

Sperm antigens and autoantibodies: effects on fertility. Shulman S. **Am J Reprod Immunol Microbiol** 1986 Mar; 10(3):82–9

Antibodies to spermatozoa: XI. The use of immunobeads for the detection of sperm antibodies in serum. Shulman S, et al. **Am J Reprod Immunol Microbiol** 1985 Oct;9(2):62–6

Immunofluorescence antigen localization on boar sperm plasma membranes: monoclonal antibodies reveal apparent new domains and apparent redistribution of surface antigens during sperm maturation and at ejaculation. Saxena NK, et al. **Anat Rec** 1986 Mar;214(3):238–52

The sperm acrosome: immunological analysis using specific polyclonal and monoclonal antibodies directed against the outer acrosomal membrane of boar spermatozoa. Töpfer-Petersen E, et al. **Andrologia** 1986 May–Jun; 18(3):237–51

A modified enzyme-linked immunosorbent assay (ELISA) for the detection of antisperm antibodies. Wolff H, et al. **Andrologia** 1985 Sep–Oct;17(5):426–34

Effect of male antisperm antibodies on sperm fertilizability in vitro. Brannen-Brock LR, et al. **Arch Androl** 1985; 15(1):15–9

Activation of polymorphonuclear leukocytes by spermatozoa. Vogelpoel FR, et al. **Arch Androl** 1985; 14(2–3):123–31

Mouse sperm antigens that participate in fertilization. III. Passive immunization with a single monoclonal antisperm antibody inhibits pregnancy and fertilization in vivo. Saling PM, et al. **Biol Reprod** 1985 Sep;33(2):537–44

Mouse sperm antigens that participate in fertilization. II. Inhibition of sperm penetration through the zona pellucida using monoclonal antibodies. Saling PM, et al. **Biol Reprod** 1985 Sep;33(2):527–36

Mouse sperm antigens that participate in fertilization. I. Inhibition of sperm fusion with the egg plasma membrane using monoclonal antibodies. Saling PM, et al. **Biol Reprod** 1985 Sep;33(2):515–26

Testicular torsion does not cause autoimmunization in man [letter] Ryan PC, et al. **Br J Surg** 1986 Apr;73(4):325–6

Immunoglobulins on human sperm: validation of a screening test for sperm autoimmunity. Jennings MG, et al. **Clin Reprod Fertil** 1985 Dec;3(4):335–42

Use of immunobeads to detect human antispermatozoal antibodies. Junk SM, et al. **Clin Reprod Fertil** 1986 Jun; 4(3):199–206

Sperm autoimmunity in vasectomized men and its relationship to atherosclerotic coronary artery disease. Liu SC, et al. **Clin Reprod Fertil** 1985 Dec;3(4):343–8

Cell-mediated immunity to spermatozoal antigens after vasectomy: recent developments. Tumbo-Oeri AG. **East Afr Med J** 1985 Jun;62(6):372–8

Cytotoxic sperm antibodies inhibit sperm penetration of zona-free hamster eggs. Abdel-Latif A, et al. **Fertil Steril** 1986 Apr;45(4):542–9

Effect of sperm antibodies in females on human in vitro fertilization. Clarke GN, et al. **Fertil Steril** 1986 Sep; 46(3):435–41

Demonstration of antispermatozoal antibodies in varicocele-related infertility with an enzyme-linked immunosorbent assay (ELISA). Golomb J, et al. **Fertil Steril** 1986 Mar;45(3):397–402

The inhibitory effect of sperm-associated immunoglobulins on cervical mucus penetration. Haas GG Jr. **Fertil Steril** 1986 Aug;46(2):334–7

Circulating antisperm antibodies in recurrently aborting women. Haas GG Jr, et al. **Fertil Steril** 1986 Feb; 45(2):209–15

Cyclic prednisolone therapy for male infertility associated with autoantibodies to spermatozoa. Hendry WF, et al. **Fertil Steril** 1986 Feb;45(2):249–54

A comparison of sperm agglutination and immobilization assays with a quantitative ELISA for anti-sperm antibody in serum. Lynch DM, et al. **Fertil Steril** 1986 Aug; 46(2):285–92

Detection of autoimmunity to sperm: mixed antiglobulin reaction (MAR) test or sperm agglutination? A study on 537 men from infertile couples. Meinertz H, et al. **Fertil Steril** 1986 Jul;46(1):86–91

Determination of antisperm antibodies in infertile couples by Milliititer filtration. Rodgers-Neame NT, et al. **Fertil Steril** 1986 Feb;45(2):299–301

Antispermatozoal antibodies in men with urethritis. Shahmanesh M, et al. **Fertil Steril** 1986 Aug;46(2):308–11

Inhibition of sperm penetration through human zona pellucida by antisperm antibodies. Tsukui S, et al. **Fertil Steril** 1986 Jul;46(1):92–6

Interaction between human cervical mucus and sperm surface antibodies. Wang C, et al. **Fertil Steril** 1985 Oct;44(4):484–8

Abnormal reactivity of spermatozoa with immunoglobulin: case report of an infertile couple. Witkin SS, et al. **Fertil Steril** 1986 Jan;45(1):138–40

Lymphadenopathy associated virus/human T-cell lymphotropic virus III antibodies in homosexual men with and without sperm antibodies. Wolff H, et al. **Fertil Steril** 1986 Jul;46(1):111–3

Antisperm antibodies in infertile and homosexual men: relationship to serologic and clinical findings. Wolff H, et al. **Fertil Steril** 1985 Nov;44(5):673–7

Reactivity of anti-human sperm monoclonal antibodies with normal placenta, hydatidiform mole, and gestational choriocarcinoma. Berkowitz RS, et al. **Gynecol Oncol** 1985 Nov;22(3):334–40

A human-mouse hybridoma producing monoclonal antibody against human sperm coating antigen. Kyurkchiev SD, et al. **Immunology** 1986 Mar;57(3):489–92

Humoral & cell mediated immune responses to spermatozoal antigens in vasectomised diabetic monkeys. Bansal N, et al. **Indian J Med Res** 1986 Mar;83:293–7

Study of sperm antibodies in the sera of vasectomized males. Murdia A, et al. **Indian J Pathol Microbiol** 1985 Oct; 28(4):355–61

Monoclonal antibodies that recognize a polypeptide antigenic determinant shared by multiple Caenorhabditis elegans sperm-specific proteins. Ward S, et al. **J Cell Biol** 1986 May;102(5):1778–86

Inhibition of fertilization of the rabbit ova in vitro by the antibody to the inner acrosomal membrane of rabbit spermatozoa. Srivastava PN, et al. **J Exp Zool** 1986 Apr; 238(1):99–102

Leukocyte migration inhibitory factor (LIF) to sperm from autoimmune men in infertile couples. Mathur S, et al. **J Immunol** 1986 Jun 15;136(12):4444–50

Antisperm antibodies and in vitro fertilization failure. Pexieder T, et al. **J In Vitro Fert Embryo Transfer** 1985 Dec;2(4):229–32

A study on antisperm antibody in homosexual men. Sands M, et al. **J Med** 1985;16(4):483–91

Studies on sperm capacitation using monoclonal anti-body—disappearance of an antigen from the anterior part of mouse sperm head. Okabe M, et al. **J Pharmacobiodyn** 1986 Jan;9(1):55–60

Investigation of sperm cytotoxicity as an indicator of ability of antisera to detect male-specific antigen on preimplantation mouse embryos. Piedrahita JA, et al. **J Reprod Fertil** 1985 Jul;74(2):637–44

Regional heterogeneity of human spermatozoa detected with monoclonal antibodies. Villarroya S, et al. **J Reprod Fertil** 1986 Jan;76(1):435–47

Anti-sperm antibodies, detected by agglutination, immobilization, microcytotoxicity and immunobead-binding assays. Bronson R, et al. **J Reprod Immunol** 1985 Dec;8(4):279–99

Detection of anti-spermatozoal antibodies by a 125I-protein-A radioimmunobinding assay. Czuppon AB. **J Reprod Immunol** 1985 Dec;8(4):313–9

An overview of the WHO international multi-centre study on antibodies to reproductive tract antigens in clinically defined sera. Hjort T, et al. **J Reprod Immunol** 1985 Dec; 8(4):359–62

The identification of candidate antigens for the development of birth control vaccines. An international multi-centre study on antibodies to reproductive tract antigens, using clinically defined sera. Hjort T, et al. **J Reprod Immunol** 1985 Dec;8(4):271–8

Blot-immunobinding test for the detection of anti-sperm antibodies. Lehmann D, et al. **J Reprod Immunol** 1985 Dec; 8(4):329–36

Antibodies to spermatozoa and seminal plasma antigens detected by various enzyme-linked immunosorbent (ELISA) assays. Mettler L, et al. **J Reprod Immunol** 1985 Dec;8(4):301–12

A prospective study of antisperm antibody development in acute epididymitis. Ingerslev HJ, et al. **J Urol** 1986 Jul; 136(1):162–4

Cellular immunity to sperm in infertile women [letter] Haas GG Jr. **JAMA** 1986 Jan 3;255(1):36

Pregnancy after translaparoscopic zygote intrafallopian transfer in a patient with sperm antibodies [letter] Devroey P, et al. **Lancet** 1986 Jun 7;1(8493):1329

Establishment of human-mouse hybridomas using lymphocytes from sterile women with sperm-immobilizing antibodies. Kyurkchiev SD, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Oct; 37(10):2135–6

An ELISA for antisperm antibodies. Saji F, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Jul;38(7):1137–8

A human sperm-seminal plasma common antigen expressed on sperm cell membrane. Saji F, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Sep;37(9):1935–6

Successful application of in vitro fertilization and embryo replacement in the treatment of infertile women with sperm immobilizing antibody. Sugimoto Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Jul;38(7):1135–6

Sperm-agglutinating antibodies and decreased fertility in prostitutes. Schwimmer WB, et al. **Obstet Gynecol** 1967 Aug;30(2):192–200

Elevated antisperm antibodies in patients with testicular cancer: is there a relationship with infertility? Guazzieri S, et al. **Prog Clin Biol Res** 1985;203:725–31

Absence of HLA class I and class II antigens as well as beta 2-microglobulin from normal and pathological human spermatozoa. Kuhlmann D, et al. **Tissue Antigens** 1986 Mar; 27(3):179–84

ABO blood group antigens of human spermatozoa. Takeda K, et al. **Tohoku J Exp Med** 1985 Nov;147(3):267–72

[The treatment of sperm antibodies with corticosteroids] Franken DR, et al. **S Afr Med J** 1985 Dec 21;68(13):951–2 (Eng. Abstr.) **(Afr)**

[Immunologic infertility. Antibodies to spermatozoa as the cause of infertility] Hjort T. **Ugeskr Laeger** 1985 Aug 19; 147(34):2649–53 (27 ref.) (Eng. Abstr.) **(Dan)**

[Diagnosis of autoimmunization to spermatozoa] Jensen HM, et al. **Ugeskr Laeger** 1985 Aug 19;147(34):2654–8 (Eng. Abstr.) **(Dan)**

[Use of the mixed antiglobulin reaction (MAR) latex test in routine detection of antisperm agglutinating antibodies in subjects with spontaneous autoagglutination] Barthélémy C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986; 15(3):287–91 (Eng. Abstr.) **(Fre)**

[Comparison of conditions for immunodetection of antigens using monoclonal antibodies after electrotransfer on nitrocellulose membrane] Villarroya S, et al. **Pathol Biol (Paris)** 1985 Dec;33(10):981–6 (Eng. Abstr.) **(Fre)**

[IgG distribution in sperm stains with a modified Ouchterlony test: a contribution to Gm determination] Scheithauer R, et al. **Beitr Gerichtl Med** 1985;43:271–7 (Eng. Abstr.) **(Ger)**

[Sperm antigens and sperm antibodies] Donat H. **Zentralbl Gynakol** 1985;107(23):1401–8 (Eng. Abstr.) **(Ger)**

[Studies on biological actions of sperm immobilizing antibody on human fertilization in vitro] Daitoh T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Jul;

38(7):1057–65 (Eng. Abstr.) (Jpn)
[Biological methods of sperm research] Bazarnova MA, et al. **Lab Delo** 1986;(5):270–3 (Eng. Abstr.) (Rus)
[Immunological disorders in testicular torsion in children] Tereshchenko AV, et al. **Vestn Khir** 1986 May;136(5):103–5 (Rus)

METABOLISM

Protein O-carboxylmethylation in relation to male gamete production and function. Williams-Ashman HG, et al. **Adv Enzyme Regul** 1985;23:389–416 (81 ref.)
Gossypol and lipid peroxidation [letter] Sheriff DS, et al. **Am J Obstet Gynecol** 1986 Aug;155(2):457–8
Cytochemical characterization and localization of oligomannosidic oligosaccharide receptors on the normal human spermatozoa using fluorescent lectins: comparison of different fixation procedures. Nardone P, et al. **Am J Reprod Immunol Microbiol** 1985 Dec;9(4):124–8
Filipin–sterol complexes in the plasma membrane of zebrafish spermatozoa. Kessel RG, et al. **Anat Rec** 1985 Aug; 212(4):358–63
Lectin binding sites on human sperm and spermatogenic cells. Lee MC, et al. **Anat Rec** 1985 Jul;212(3):282–7
Demonstration of an anionic acrosin inhibitor in spermatozoa epididymal fluid and seminal plasma of the boar. Jonáková V, et al. **Andrologia** 1985 Sep–Oct;17(5):466–71
On the interaction of bull and boar acrosins with the zona pellucida of different mammalian species in vitro. Mansouri A, et al. **Andrologia** 1985 Sep–Oct;17(5):417–25
Investigations on the motility of human spermatozoa in a defined medium in the presence of metabolic inhibitors and of carnitine. Shalev DP, et al. **Andrologia** 1986 Jul–Aug; 18(4):368–75
Nuclear chromatin decondensation of human sperm: a review. Huret JL. **Arch Androl** 1986;16(2):97–109 (50 ref.)
Glycolytic activity of human spermatozoa in normospermic men and in men with abnormal spermograms. Lornage J, et al. **Arch Androl** 1986;16(1):81–8
Mode of entry of glycosaminoglycan sulfate during epididymal maturation of bull spermatozoa. I. Charge neutralization mechanism. Reyes R, et al. **Arch Androl** 1986; 16(1):49–53
Spermatozoa contain a guanine nucleotide–binding protein ADP-ribosylated by pertussis toxin. Bentley JK, et al. **Biochem Biophys Res Commun** 1986 Jul 31;138(2):728–34
Cell calcium of ejaculated rabbit spermatozoa before and following in vitro capacitation. Mahanes MS, et al. **Biochem Biophys Res Commun** 1986 Jan 29;134(2):664–70
Effect of seminal plasma antioxidant on lipid peroxidation in spermatozoa, mitochondria and microsomes. Dawra RK, et al. **Biochem Int** 1985 Sep;11(3):333–9
Autophosphorylation of boar sperm membranes. Nikolopoulou M, et al. **Biochem Int** 1986 Jun;12(6):815–9
Properties of the branched-chain 2-hydroxy acid/2-oxo acid shuttle in mouse spermatozoa. Coronel CE, et al. **Biochem J** 1986 May 1;235(3):853–8
Fusion of liposomes induced by a cationic protein from the acrosome granule of abalone spermatozoa. Hong K, et al. **Biochemistry** 1986 Feb 11;25(3):543–9
Differential effects of resact analogues on sperm respiration rates and cyclic nucleotide concentrations. Shimomura H, et al. **Biochemistry** 1986 Jun 3;25(11):3405–10
Interactive effects of organic and inorganic selenium with cadmium and mercury on spermatozoal oxygen consumption and motility in vitro. Alabi NS, et al. **Biol Reprod** 1985 Nov;33(4):911–9
Retention of the speract receptor by isolated plasma membranes of sea urchin spermatozoa. Bentley JK, et al. **Biol Reprod** 1986 Mar;34(2):413–21
Mechanical immobilization of rat sperm does not change their oxygen consumption rate. Cardullo RA, et al. **Biol Reprod** 1986 Jun;34(5):820–30
Alterations of oxygen uptake and the redox state of ubiquinone in rabbit sperm exposed to a variety of physiologic treatments. Killian GJ, et al. **Biol Reprod** 1985 Nov;33(4):859–69
Actin in ejaculated human sperm cells. Ochs D, et al. **Biol Reprod** 1985 Dec;33(5):1223–6
22Na and 86Rb effluxes from bull spermatozoa. Petzoldt R, et al. **Biomed Biochim Acta** 1986;45(6):755–60
Protein–glycolipid interactions during spermatogenesis. Binding of specific germ cell proteins to sulfatoxygalactosylacylalkylglycerol, the major glycolipid of mammalian male germ cells. Lingwood CA. **Can J Biochem Cell Biol** 1985 Oct;63(10):1077–85
Carbohydrate metabolism and the temporal occurrence of a serotonin–like indole in the male and female reproductive tract and its relationship with PGF and infertility: a review. van der Horst CJ. **Cytobios** 1986;45(181):85–95 (61 ref.)
Modification of a laser-based flow cytometer for high-resolution DNA analysis of mammalian spermatozoa. Johnson LA, et al. **Cytometry** 1986 May;7(3):268–73
Phosphorylation of sperm histone H1 is induced by the egg jelly layer in the sea urchin Strongylocentrotus purpuratus. Porter DC, et al. **Dev Biol** 1986 Jul;116(1):203–12
Morphological identification of sperm receptors above egg microvilli in the polychaete, Neanthes japonica. Sato M, et al. **Dev Biol** 1986 Feb;113(2):263–70
High diadenosine tetraphosphate (Ap4A) level in germ cells and embryos of sea urchin and Xenopus and its effect on DNA synthesis. Weinmann-Dorsch C, et al. **Exp Cell Res** 1985 Sep;160(1):47–53
Fructose 2,6-bisphosphate and the control of glycolysis in bovine spermatozoa. Philippe B, et al. **FEBS Lett** 1986 May 5;200(1):169–72
Ruthenium red inhibits the mitochondrial Ca2+ uptake in intact bovine spermatozoa and increases the cytosolic Ca2+ concentration. Rigoni F, et al. **FEBS Lett** 1986 Mar 17;198(1):103–8
Binding of seminalplasmin to the plasma and acrosomal membranes of bovine spermatozoa. Fluorescence studies on the changes in the lipid–phase fluidity. Shivaji S. **FEBS Lett** 1986 Feb 17;196(2):255–8
Selective association of some hamster-egg-synthesized proteins with decondensing human sperm chromatin. Kopečný V, et al. **Histochemistry** 1986;84(2):197–200
The human sperm nucleus takes up zinc at ejaculation. Björndahl L, et al. **Int J Androl** 1986 Feb;9(1):77–80
The presence of a motility inhibitor within spermatozoa may explain the poor sperm motility of some infertile men. de Lamirande E, et al. **J Androl** 1986 Jul–Aug;7(4):215–9
Poly(ADP-ribosylation) at successive stages of rooster spermatogenesis. Levels of polymeric ADP-ribose in vivo and poly(ADP-ribose) polymerase activity and turnover of ADP-ribosyl residues in vitro. Corominas M, et al. **J Biol Chem** 1985 Dec 25;260(30):16269–73
Alteration of intracellular [Ca2+] in sea urchin sperm by the egg peptide speract. Evidence that increased intracellular Ca2+ is coupled to Na+ entry and increased intracellular pH. Schackmann RW, et al. **J Biol Chem** 1986 Jul 5;261(19):8719–28
Glucose metabolism in human spermatozoa: lack of insulin effects and dissociation from alloxan handling. Gorus FK, et al. **J Cell Physiol** 1986 May;127(2):261–6
Evidence for the presence of specific receptors for N-formyl chemotactic peptides on human spermatozoa. Gnessi L, et al. **J Clin Endocrinol Metab** 1986 Oct;63(4):841–6
Forskolin stimulates bovine epididymal sperm motility and cyclic AMP levels. Vijayaraghavan S, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1985; 10(5):499–510
Relationship of nonreturn rates of dairy bulls to binding affinity of heparin to sperm. Marks JL, et al. **J Dairy Sci** 1985 Aug;68(8):2078–82
The Limulus sperm motility-initiating peptide initiates acrosome reactions in sea water lacking potassium. Clapper DL, et al. **J Exp Zool** 1985 Nov;236(2):211–7
Cytochemical localization of dipeptidyl peptidase II (DPP-II) in mature guinea pig sperm. Talbot P, et al. **J Histochem Cytochem** 1985 Nov;33(11):1169–72
Calcium transport in diluted or cooled ram semen. Robertson L, et al. **J Reprod Fertil** 1986 May;77(1):177–85
Ion measurements in sea urchin sperm. Schackmann R. **Methods Cell Biol** 1986;27:57–71
Effect of oviductal tissues from hens differing in fertility duration on the respiration of washed chicken spermatozoa. Pierson EE, et al. **Poult Sci** 1986 Mar;65(3):598–600
[Role of the plasma membrane in the distribution of potassium, sodium and calcium in ram sperm during deep freezing] Profirov Ia, et al. **Vet Med Nauki** 1986;23(3):73–7 (Eng. Abstr.) (Bul)
[Glycoprotein synthesis in spermatids of the rat—an EM radioautographic study] Tang XM. **Shih Yen Sheng Wu Hsueh Pao** 1985 Jun;18(2):157–69 (Eng. Abstr.) (Chi)
[The relation between sperm motility and the content of unsaturated fatty acids as well as the osmotic behavior of human spermatozoa] Vette M, et al. **Andrologia** 1985 Sep–Oct;17(5):476–84 (Eng. Abstr.) (Ger)
[Modification of cAMP concentration of the human sperm by low temperature preservation and sperm preparation for in vitro fertilization of oocytes] Glander HJ, et al. **Zentralbl Gynakol** 1986;108(9):540–5 (Eng. Abstr.) (Ger)
[Effect of testosterone on nucleic acid synthesis in spermatogenic epithelial cells of irradiated animals] Ganzenko LF, et al. **Radiobiologiia** 1986 Jan–Feb; 26(1):115–9 (Eng. Abstr.) (Rus)

MICROBIOLOGY

Cryosurvival of herpes simplex virus-2 during cryopreservation of human spermatozoa. Sherman JK, et al. **Cryobiology** 1986 Aug;23(4):383–5
Sperm washing and swim-up technique using antibiotics removes microbes from human semen. Wong PC, et al. **Fertil Steril** 1986 Jan;45(1):97–100
Chlamydia attached to spermatozoa [letter] Friberg J, et al. **J Infect Dis** 1985 Oct;152(4):854
Presence of HBV DNA in spermatozoa: a possible vertical transmission of HBV via the germ line. Hadchouel M, et al. **J Med Virol** 1985 May;16(1):61–6
Significance of sperm bacteriology for the in vitro fertilization of human and mouse oocytes. Riedel HH, et al. **J Reprod Med** 1986 Jul;31(7):605–8
[Cytomegaloviruses in sperm and the risk of sexual transmission] Seeman J, et al. **Cesk Gynekol** 1985 Sep; 50(8):544–6 (Eng. Abstr.) (Cze)

PATHOLOGY

Effect of induced prostatic infection on semen quality in the dog. Barsanti JA, et al. **Am J Vet Res** 1986 Apr; 47(4):709–12
Lack of correlation between human y-positive spermatozoa and acrosomal abnormalities and variations in intensity of fluorescence of sperm stained with quinacrine compounds. Singer R, et al. **Arch Androl** 1985;15(1):11–4
Pregnancy from in vitro fertilization of human eggs after separation of motile spermatozoa by density gradient centrifugation. Hyne RV, et al. **Fertil Steril** 1986 Jan; 45(1):93–6
Correlation of the presence of seminal white blood cells and the prevalence of separated spermatozoal heads with subclinical Brucella ovis infection in rams. Kimberling CV, et al. **J Am Vet Med Assoc** 1986 Jul 1;189(1):73–6
Germ cell degeneration in the contralateral testis of the guinea pig with unilateral torsion of the spermatic cord. Quantitative and ultrastructural studies. Jhunjhunwala JS, et al. **J Androl** 1986 Jan–Feb;7(1):16–22
Demonstration of spermatozoa in the lung of an AIDS patient. Pohle HD, et al. **Klin Wochenschr** 1986 Jul 1; 64(13):619–20
[Increased desquamation of immature germ cells in the ejaculate of infertile men] Sigg C, et al. **Hautarzt** 1985 Aug; 36(8):441–8 (Eng. Abstr.) (Ger)

PHYSIOLOGY

Contribution of defective sperm function to infertility. Aitken RJ, et al. **Acta Eur Fertil** 1985 Jul–Aug;16(4):273–80
Spermatozoa fertilization capability: multivariate data analysis. Ventura F, et al. **Acta Eur Fertil** 1986 Mar–Apr; 17(2):125–8
Distribution of spermatozoa in the genital tract of artificially inseminated heifers. Larsson B, et al. **Acta Vet Scand** 1985; 26(3):385–95
Relationship between ATP content and post thaw motility in bull semen. Söderquist L, et al. **Acta Vet Scand** 1985; 26(3):308–12
Immunodissection of sperm surface modifications during epididymal maturation. Eddy EM, et al. **Am J Anat** 1985 Nov;174(3):225–37
Sperm surface changes during the acrosome reaction as observed by freeze–fracture. Fléchon JE. **Am J Anat** 1985 Nov;174(3):239–48
Inner acrosomal membrane of mammalian spermatozoa: its properties and possible functions in fertilization. Huang TT Jr, et al. **Am J Anat** 1985 Nov;174(3):249–68
Molecules that initiate or help stimulate the acrosome reaction by their interaction with the mammalian sperm surface. Meizel S. **Am J Anat** 1985 Nov;174(3):285–302
Sperm surface components involved in the control of the acrosome reaction. Oliphant G, et al. **Am J Anat** 1985 Nov; 174(3):269–83
Effect of flushing the vasa deferentia at the time of vasectomy on the rate of clearance of spermatozoa from the ejaculates of dogs and cats. Frenette MD, et al. **Am J Vet Res** 1986 Feb;47(2):463–70
Oocyte penetration and acrosome reactions of human spermatozoa. I: Influence of incubation time and medium composition. van Kooij RJ, et al. **Andrologia** 1986 Mar–Apr;18(2):152–60
Microtubules in mouse oocytes, zygotes, and embryos during fertilization and early development: unusual configurations and arrest of mammalian fertilization with microtubule inhibitors. Schatten G, et al. **Ann NY Acad Sci** 1986; 466:945–8
Evaluation of acrosome on Papanicolaou-stained sperm and its relationship to the in vitro fertilizing capacity of human spermatozoa. Jeyendran RS, et al. **Arch Androl** 1986; 16(2):119–23
Human spermatozoa penetration to zona-free hamster ova and the volume of sperm cells. May JY, et al. **Arch Androl** 1986;16(2):131–3
Effect of duration of cryptorchidism on ability of mouse germ cells to regenerate and differentiate. Nishimune Y, et al. **Arch Androl** 1986;16(1):89–96
Relationship between acrosome reaction and in vitro fertilization of zona-free hamster eggs by bonnet monkey (Macaca radiata) spermatozoa. Peter J, et al. **Arch Androl** 1985;14(2–3):227–30
Physiological integrity of human sperm in the presence of Ureaplasma urealyticum. Shalhoub D, et al. **Arch Androl** 1986;16(1):75–80
Polychlorobiphenyl congeners, p,p'-DDE, and sperm function in humans. Bush B, et al. **Arch Environ Contam Toxicol** 1986 Jul;15(4):333–41
Phagocytosis of spermatozoa and latex beads by the epithelial cell of the cat oviduct: combined SEM and TEM study. Murakami M, et al. **Arch Histol Jpn** 1985 Dec;48(5):519–26
Phagocytosis of spermatozoa and latex beads by epithelial cells of the ampulla vasis deferentis of the rabbit: a combined SEM and TEM study. Murakami M, et al. **Arch Histol Jpn** 1985 Jul;48(3):269–77
Alpha-L-fucosidase from bull seminal plasma: its purification and acrosome reaction promoting property. Srivastava PN, et al. **Biochem Biophys Res Commun** 1986 Jun 30; 137(3):1061–8
Control of respiration and of motility in ejaculated bull spermatozoa. Bohnensack R, et al. **Biochim Biophys Acta** 1986 Jun 10;850(1):72–9
Acrosomal status in fresh and capacitated human ejaculated sperm. Byrd W, et al. **Biol Reprod** 1986 Jun;34(5):859–69
Renewal of spermatogonia in the monkey (Macaca fascicularis). Fouquet JP, et al. **Biol Reprod** 1986 Aug; 35(1):199–207
Assessment of spermatozoal function using dual fluorescent staining and flow cytometric analyses. Garner DL, et al.

Biol Reprod 1986 Feb;34(1):127–38

Induction of the acrosome reaction in sea urchin spermatozoa by the volatile anesthetic halothane. Hinkley RE, et al. **Biol Reprod** 1986 Feb;34(1):119–25

Synthesis and secretion of proteins by perifused caput epididymal tubules, and association of secreted proteins with spermatozoa. Klinefelter GR, et al. **Biol Reprod** 1985 Nov;33(4):1017–27

Bicarbonate is essential for fertilization of mouse eggs: mouse sperm require it to undergo the acrosome reaction. Lee MA, et al. **Biol Reprod** 1986 Mar;34(2):349–56

Evidence for plasma membrane impermeability to small ions in acrosome-intact mouse spermatozoa bound to mouse zonae pellucidae, using an aminoacridine fluorescent pH probe: time course of the zona-induced acrosome reaction monitored by both chlortetracycline and pH probe fluorescence. Lee MA, et al. **Biol Reprod** 1985 Aug; 33(1):235–46

Changes in the organization of the lipid bilayer of the plasma membrane during spermatogenesis and epididymal maturation. Schlegel RA, et al. **Biol Reprod** 1986 Mar; 34(2):379–91

The role of carbohydrates in sperm–egg interaction in rats. Shalgi R, et al. **Biol Reprod** 1986 Apr;34(3):446–52

A 31P NMR study of the epididymis and epididymal sperm of the bull and hamster. Smith MB, et al. **Biol Reprod** 1985 Dec;33(5):1029–40

Failure of acrosome assembly in a male sterile mouse mutant. Sotomayor RE, et al. **Biol Reprod** 1986 Feb;34(1):171–82

Regulation of bovine sperm motility and cyclic adenosine 3',5'-monophosphate by adenosine and its analogues. Vijayaraghavan S, et al. **Biol Reprod** 1986 Apr;34(3):468–77

ATP-induced reactivation of ram testicular, cauda epididymal, and ejaculated spermatozoa extracted with Triton X-100. White IG, et al. **Biol Reprod** 1986 Feb; 34(1):183–93

Reproductive physiology of the clouded leopard: I. Electroejaculates contain high proportions of pleiomorphic spermatozoa throughout the year. Wildt DE, et al. **Biol Reprod** 1986 Jun;34(5):957–47

Semen analysis in Hodgkin's disease before the onset of treatment. Marmor D, et al. **Cancer** 1986 May 15; 57(10):1986–7

Live and reactivated motility in the 9+0 flagellum of Anguilla sperm. Gibbons BH, et al. **Cell Motil** 1985; 5(4):333–50

Motility and centrosomal organization during sea urchin and mouse fertilization. Schatten H, et al. **Cell Motil Cytoskeleton** 1986;6(2):163–75

Computer-aided three-dimensional reconstructions of the arrangement of primary spermatocytes in human seminiferous tubules. Schulze W, et al. **Cell Tissue Res** 1986; 244(1):1–7

Interactions of nuclear proteins with DNA, during sperm differentiation in the ram. Loir M, et al. **Chromosoma** 1985; 92(4):304–12

Sperm survival studies in peritoneal fluid from infertile women with endometriosis and unexplained infertility. Oak MK, et al. **Clin Reprod Fertil** 1985 Dec;3(4):297–303

Lactate dehydrogenase X, malate dehydrogenase and total protein in rat spermatozoa during epididymal transit. Vernouth NT, et al. **Comp Biochem Physiol [B]** 1986; 83(2):381–4

Nonbeneficial effects of glycerol on the oocyte penetrating capacity of cryopreserved and incubated human spermatozoa. Jeyendran RS, et al. **Cryobiology** 1985 Oct; 22(5):434–7

Coupled ionic and enzymatic regulation of sperm behavior. Shapiro BM, et al. **Curr Top Cell Regul** 1985;26:97–113

In vitro studies of the golden hamster sperm acrosome reaction: completion on the zona pellucida and induction by homologous soluble zonae pellucidae. Cherr GN, et al. **Dev Biol** 1986 Mar;114(1):119–31

Processes controlling sperm–egg fusion. Monroy A. **Eur J Biochem** 1985 Oct 1;152(1):51–6 (77 ref.)

Demonstration of receptor-mediated chemotaxis by human spermatozoa. A novel quantitative bioassay. Gnessi L, et al. **Exp Cell Res** 1985 Nov;161(1):219–30

Sliding spermatozoa: a dyskinesia responsible for human infertility? Feneux D, et al. **Fertil Steril** 1985 Oct; 44(4):508–11

Human sperm hypoosmotic swelling test [letter] Jeyendran RS, et al. **Fertil Steril** 1986 Jul;46(1):151–2

Recovery of microorganisms in semen and relationship to semen evaluation. Naessens A, et al. **Fertil Steril** 1986 Jan; 45(1):101–5

Acrosome reaction in human spermatozoa. Nagae T, et al. **Fertil Steril** 1986 May;45(5):701–7

Evaluation of sperm–cervical mucus interaction. Overstreet JW. **Fertil Steril** 1986 Mar;45(3):324–6

The role of the human epididymis in sperm maturation and sperm storage as reflected in the consequences of epididymovasostomy. Schoysman RJ, et al. **Fertil Steril** 1986 Aug;46(2):293–9

Computerized staged-freezing technique improves sperm survival and preserves penetration of zona-free hamster ova. Serafini P, et al. **Fertil Steril** 1986 Jun;45(6):854–8

Peritoneal recovery of motile and nonmotile sperm in the presence of endometriosis. Stone SC, et al. **Fertil Steril** 1986 Aug;46(2):338–9

A comparison of the penetration of human sperm into bovine and artificial cervical mucus. Urry RL, et al. **Fertil Steril** 1986 Jan;45(1):135–7

Sperm quality of healthy smokers, ex-smokers, and never-smokers. Vogt HJ, et al. **Fertil Steril** 1986 Jan; 45(1):106–10

A gonadotropin-like thermostable peptide, prepared from bovine anterior pituitary, inducing spermiation in the frog Rana esculenta (L.) and binding to a rat ovarian FSH receptor. Renlund S, et al. **Gen Comp Endocrinol** 1985 Dec; 60(3):333–42

The relationship between glycolysis, mitochondrial respiration, protein–carboxyl methylation and motility in hamster epididymal spermatozoa. Fisher-Fischbein J, et al. **Int J Androl** 1985 Oct;8(5):403–16

Increase in progressive motility and improved morphology of human spermatozoa following their migration through Percoll gradients. Pousette A, et al. **Int J Androl** 1986 Feb; 9(1):1–13

Effects of malonic, maleic, citric and caffeic acids on the motility of human sperm and penetration of cervical mucus. Brown-Woodman PD, et al. **Int J Fertil** 1985;30(3):38–44

Factors influencing the success of sperm–cervical mucus interaction in patients exhibiting unexplained infertility. Aitken RJ, et al. **J Androl** 1986 Jan–Feb;7(1):3–10

In vivo capacitation and acrosome reaction of bovine sperm in estrous and diestrous cows. Didion BA, et al. **J Anim Sci** 1986 Apr;62(4):1029–33

Transformation of sperm nuclei to metaphase chromosomes in the cytoplasm of maturing oocytes of the mouse. Clarke HJ, et al. **J Cell Biol** 1986 Mar;102(3):1039–46

Effects of protease inhibitors and substrates on motility of mammalian spermatozoa. de Lamirande E, et al. **J Cell Biol** 1986 Apr;102(4):1378–83

A role for the migrating sperm surface antigen PH-20 in guinea pig sperm binding to the egg zona pellucida. Primakoff P, et al. **J Cell Biol** 1985 Dec;101(6):2239–44

The axonemal axis and Ca2+-induced asymmetry of active microtubule sliding in sea urchin sperm tails. Sale WS. **J Cell Biol** 1986 Jun;102(6):2042–52

Axokinin phosphorylation by cAMP-dependent protein kinase is sufficient for activation of sperm flagellar motility. Tash JS, et al. **J Cell Biol** 1986 Aug;103(2):649–55

Chemotaxis of Arbacia punctulata spermatozoa to resact, a peptide from the egg jelly layer. Ward GE, et al. **J Cell Biol** 1985 Dec;101(6):2324–9

Changes in sperm plasma membrane lipid diffusibility after hyperactivation during in vitro capacitation in the mouse. Wolf DE, et al. **J Cell Biol** 1986 Apr;102(4):1372–7

Membrane fusion events in the Ca2+/ionophore-induced acrosome reaction of ram spermatozoa. Fléchon JE, et al. **J Cell Sci** 1986 Mar;81:43–63

Postthaw survival and fertility of frozen bull spermatozoa treated with antibiotics and detergent. Ahmad K, et al. **J Dairy Sci** 1986 Feb;69(2):535–41

Capacitated, acrosome reacted but immotile sperm, when microinjected under the mouse zona pellucida, will not fertilize the oocyte. Barg PE, et al. **J Exp Zool** 1986 Mar; 237(3):365–74

Labelling of living mammalian spermatozoa with the fluorescent thiol alkylating agent, monobromobimane (MB): immobilization upon exposure to ultraviolet light and analysis of acrosomal status. Cummins JM, et al. **J Exp Zool** 1986 Mar;237(3):375–82

Surface of the rooster spermatozoon changes in passing through the Wolffian duct. Esponda P, et al. **J Exp Zool** 1985 Jun;234(3):441–9

Normal development of hamster and rabbit eggs fertilized by spermatozoa labelled with the fluorescent thiol alkylating agent, monobromobimane. Fleming AD, et al. **J Exp Zool** 1986 Mar;237(3):383–90

Glycosaminoglycans stimulate the acrosome reaction of previously capacitated hamster sperm. Meizel S, et al. **J Exp Zool** 1986 Jan;237(1):137–9

Comparison of the fertilizing ability of human spermatozoa preincubated in calcium- and strontium-containing media. Mortimer D. **J Exp Zool** 1986 Jan;237(1):21–4

Development of pronuclei from human spermatozoa injected microsurgically into frog (Xenopus) eggs. Ohsumi K, et al. **J Exp Zool** 1986 Mar;237(3):319–25

Relationship between calcium binding sites and membrane fusion during the acrosome reaction induced by ionophore in ram spermatozoa. Watson PF, et al. **J Exp Zool** 1986 Apr;238(1):113–8

Sperm parameters and testicular volumes in Saguinus mystax. Harrison RM, et al. **J Med Primatol** 1985;14(5):281–4

Transient flagellar waveforms in reactivated sea urchin sperm. Gibbons IR. **J Muscle Res Cell Motil** 1986 Jun; 7(3):245–50

Resolution of the competitive inhibitory effects of lithium and AMPPNP on the beat frequency of ATP-reactivated, demembranated, sea urchin sperm flagella. Pate EF, et al. **J Muscle Res Cell Motil** 1985 Aug;6(4):507–12

Application of Poisson distribution theory to the zona-free hamster oocyte penetration test to assess sperm function of men with asthenozoospermia. Aitken RJ, et al. **J Reprod Fertil** 1986 May;77(1):67–74

Significance of intracellular calcium and cyclic adenosine 3',5'-monophosphate in the mechanisms by which prostaglandins influence human sperm function. Aitken RJ, et al. **J Reprod Fertil** 1986 Jul;77(2):451–62

The concerted effect of alpha-chlorohydrin and glucose on the ATP concentration in spermatozoa is associated with the accumulation of glycolytic intermediates. Ford WC, et al. **J Reprod Fertil** 1986 Jul;77(2):537–45

A preovulatory temperature gradient between the isthmus and ampulla of pig oviducts during the phase of sperm storage. Hunter RH, et al. **J Reprod Fertil** 1986 Jul; 77(2):599–606

Sperm factors related to failure of human in-vitro fertilization. Jeulin C, et al. **J Reprod Fertil** 1986 Mar; 76(2):735–44

Interstrain competition amongst mouse spermatozoa inseminated in various proportions, as affected by the genotype of the Y chromosome. Krzanowska H. **J Reprod Fertil** 1986 May;77(1):265–70

Stimulation of rat Sertoli cell secretory activity in vitro by germ cells and residual bodies. Le Magueresse B, et al. **J Reprod Fertil** 1986 Jul;77(2):489–98

Role of guinea-pig sperm autoantigens in capacitation and the acrosome reaction. Marquant-Le Guienne B, et al. **J Reprod Fertil** 1986 Jul;77(2):337–45

Role of guinea-pig sperm autoantigens in sperm binding to the zona pellucida and oocyte penetration. Munoz de Vera G, et al. **J Reprod Fertil** 1986 Jul;77(2):347–53

Some factors influencing the interaction of ram spermatozoa with zona-free hamster eggs. Pavlok A, et al. **J Reprod Fertil** 1985 Jul;74(2):597–604

Motility of undiluted bull epididymal spermatozoa collected by micropuncture. Pholpramool C, et al. **J Reprod Fertil** 1985 Nov;75(2):413–20

Ontogeny of epididymal sperm reserves during the reproductive lifespan of rats after previous sexual experiences. Taylor GT, et al. **J Reprod Fertil** 1986 Jul; 77(2):419–23

Comparison of acrosome reaction-inducing activities of human cumulus oophorus, follicular fluid and ionophore A23187 in human sperm populations of proven fertilizing ability in vitro. Tesařík J. **J Reprod Fertil** 1985 Jul; 74(2):383–8

Algebraic expressions for the waveforms of sea urchin sperm flagella. Rikmenspoel R. **J Theor Biol** 1985 Sep 7; 116(1):127–47

Sperm motility. Brokaw CJ. **Methods Cell Biol** 1986;27:41–56 (52 ref.)

Handling, labeling, and fractionating sea urchin spermatozoa. Vacquier VD. **Methods Cell Biol** 1986;27:15–40 (81 ref.)

Semen production, sperm quality, and their heritabilities as influenced by selection for fertility of frozen-thawed semen in the chicken. Ansah GA, et al. **Poult Sci** 1985 Sep; 64(9):1801–3

Phospholipid methylation in starfish spermatozoa is linked to sperm chemoattraction. Tezon J, et al. **Proc Natl Acad Sci USA** 1986 Jun;83(11):3589–93

The biological properties of black porgy (Acanthopagrus schlegeli) sperm and its cryopreservation. Chao NH, et al. **Proc Natl Sci Counc Repub China [B]** 1986 Apr;10(2):145–9

Sperm cryopreservation preceding treatment of testis cancer. Lucchetta G, et al. **Prog Clin Biol Res** 1985;203:713–4

Interactions between spermatozoa and the crypts, cilia, and mucus of the cervix in the ewe. Wergin WP. **Scan Electron Microsc** 1985;(Pt 3):1191–9

Seminal fluid changes after testicular torsion. Awojobi OA, et al. **Urology** 1986 Feb;27(2):109–11

[Cryobiological characteristics of bull sperm] Marinov P, et al. **Vet Med Nauki** 1985;22(9):67–71 (Eng. Abstr.) **(Bul)**

[The effect of extreme cooling and the temperature for crystallization on the quality of turkey sperm] Skrobánek P, et al. **Vet Med (Praha)** 1986 Jan;31(1):43–8 (Eng. Abstr.) **(Cze)**

[How to evaluate male fertility in 1984? II. Biology] Jouannet P. **Rev Fr Gynecol Obstet** 1985 Nov;80(11):779–82 (Eng. Abstr.) **(Fre)**

[What is normal sperm?] Bollack C, et al. **Rev Med Suisse Romande** 1986 May;106(5):435–9 **(Fre)**

RADIATION EFFECTS

Relationship between spermatogonial stem cell survival and testis function after cytotoxic therapy. Meistrich ML. **Br J Cancer [Suppl]** 1986;7:89–101

A prospective serial study of the effects of radiotherapy on semen parameters, and hamster egg penetration rates. Martin RH, et al. **Clin Invest Med** 1985;8(3):239–43

First-generation litter-size reduction following irradiation of spermatogonial stem cells in mice and its use in risk estimation. Selby PB, et al. **Environ Mutagen** 1985; 7(4):451–69

Strain differences in the radiosensitivity of mouse spermatogonia. Bianchi M, et al. **Int J Radiat Biol** 1985 Oct;48(4):579–88

Effect of gamma-radiation on fowl sperm function in vitro and in vivo. Wishart GJ, et al. **J Reprod Fertil** 1985 Nov; 75(2):617–22

Radiomodifying effect of camphor on the spermatogonia of mice. Goel HC, et al. **Jpn J Exp Med** 1985 Dec; 55(6):219–23

Antimutagenic properties of selected radioprotective drug mixtures with regard to X-ray-induced reciprocal translocations in mouse spermatogonia. Benova DK. **Mutat Res** 1986 Jan–Feb;159(1–2):75–81

Enzyme-activity mutations detected in mice after paternal fractionated irradiation. Charles DJ, et al. **Mutat Res** 1986 May;160(3):243–8

Difference in the response of two hybrid stocks of mice to X-ray induction of chromosome aberrations in spermatogonial stem cells. Generoso WM, et al.

Mutat Res 1985 Nov-Dec;152(2-3):217-23

An increased frequency of human sperm chromosomal abnormalities after radiotherapy. Martin RH, et al. **Mutat Res** 1986 Jul;174(3):219-25

Dose-effect relationship for X-ray-induced translocations in spermatogonia of normal and T70H translocation heterozygous mice. van Buul PP, et al. **Mutat Res** 1986 Jan;173(1):41-8

Mouse testis weight loss and survival of differentiated spermatogonia following irradiation with 250 kV X-rays and 5.5 MeV fast neutrons. Gasińska A. **Neoplasma** 1985; 32(4):443-9

Nonrandom distribution of mouse spermatogonial stem cells surviving fission neutron irradiation. van Beek ME, et al. **Radiat Res** 1986 Jul;107(1):11-23

The induction of reciprocal translocations in rhesus monkey stem-cell spermatogonia: effects of low doses and low dose rates. van Buul PP, et al. **Radiat Res** 1986 Jan;105(1):1-7

[Effect of microwave on frequency of spermatogonia sister chromatid exchange (SCE) of mice testes] Bao TR, et al. **Su Chuan I Hsueh Yuan Hsueh Pao** 1985 Sep;16(3):204-7 (Eng. Abstr.) **(Chi)**

TRANSPLANTATION

Gamete intra-fallopian transfer (GIFT): a new technique for the treatment of unexplained infertility. Guastella G, et al. **Acta Eur Fertil** 1985 Sep-Oct;16(5):311-6

Preliminary experiences with gamete intrafallopian transfer (GIFT). Asch RH, et al. **Fertil Steril** 1986 Mar;45(3):366-71

Limitation of gamete intrafallopian transfer in the treatment of male infertility [letter] Yovich JL, et al. **Med J Aust** 1986 Apr 14;144(8):444

ULTRASTRUCTURE

Cytogenetics of human sperm: meiotic segregation in two translocation carriers. Brandriff B, et al. **Am J Hum Genet** 1986 Feb;38(2):197-208

An improved, efficient method for analyzing human sperm chromosomes using zona-free hamster ova. Kamiguchi Y, et al. **Am J Hum Genet** 1986 May;38(5):724-40

Fine structure of spermatogenesis and Sertoli cells (Epitheliocytus sustentans) in the bull. Ekstedt E, et al. **Anat Histol Embryol** 1986 Mar;15(1):23-48

Ultrastructure of camel (Camelus dromedarius) spermatozoa. Heath E, et al. **Anat Histol Embryol** 1986 Jun;15(2):147-54

Male germ cell analysis by flow cytometry: effects of cancer, chemotherapy, and other factors on testicular function and sperm chromatin structure. Evenson DP. **Ann NY Acad Sci** 1986;468:350-67

Abnormal axonemes in sperm of fertile men. Hunter DG, et al. **Arch Androl** 1986;16(1):1-12

Nuclear chromatin decondensation of human sperm assessed by DNA measurement. Huret JL, et al. **Arch Androl** 1985; 14(1):7-13

Cross-link formation at the head-tail junction of mammalian spermatozoa during aging is dependent on sperm motility. Young RJ. **Arch Androl** 1985;14(1):15-9

Three-dimensional profile of three types of spermatogonia and their topographies in adolescent or adult rats. Hamasaki M, et al. **Arch Histol Jpn** 1985 Jul;48(3):293-303

Abnormal sperm and photoreceptor axonemes in Usher's syndrome. Hunter DG, et al. **Arch Ophthalmol** 1986 Mar; 104(3):385-9

Ultrastructural changes in sperm from rams with epididymitis. Afzal M. **Aust Vet J** 1985 Nov;62(11):391-2

Ultrastructural analysis of mouse sperm chromatin. Fraschini A, et al. **Basic Appl Histochem** 1985;29(3):231-44

Immunoelectronmicroscopic localization of actin in ionophore-treated boar sperm. Camatini M, et al. **Cell Biol Int Rep** 1986 Apr;10(4):231-8

Abnormal distribution of the periaxonemal structures in a human sperm flagellar dyskinesia. Serres C, et al. **Cell Motil Cytoskeleton** 1986;6(1):68-76

Further evaluation of a simple test for determining the integrity of spermatozoal membranes. Spittaler PJ, et al. **Clin Reprod Fertil** 1985 Sep;3(3):187-96

The effect of thawing velocity on survival and acrosomal integrity of ram spermatozoa frozen at optimal and suboptimal rates in straws. Fiser PS, et al. **Cryobiology** 1986 Apr;23(2):141-9

An investigation of human sperm pronuclear chromosome "gaps" using scanning electron microscopy.Chernos JE, et al. **Cytogenet Cell Genet** 1986;42(1-2):57-61

G-banding of human sperm chromosomes. Benet J, et al. **Hum Genet** 1986 Jun;73(2):181-2

Sperm chromosome analysis in a man heterozygous for a paracentric inversion of chromosome 7 (q11q22). Martin RH. **Hum Genet** 1986 Jun;73(2):97-100

Identifying agents that damage human spermatogenesis: abnormalities in sperm concentration and morphology. Wyrobek AJ. **IARC Sci Publ** 1984;(59):387-402

Acrosome loss in human sperm incubated in vitro under capacitating conditions. Mallett PJ, et al. **Int J Androl** 1985 Oct;8(5):357-64

Spermatozoon ultrastructure and phylogenetic relationships in the monogeneans (Platyhelminthes). Justine JL, et al. **Int J Parasitol** 1985 Dec;15(6):601-8

Purification and characterization of two plasma membrane domains from ejaculated bull spermatozoa. de Curtis I, et al. **J Cell Biol** 1986 May;102(5):1813-25

Membrane and cytoplasmic proteins are transported in the same organelle complex during nematode spermatogenesis. Roberts TM, et al. **J Cell Biol** 1986 May;102(5):1787-96

Lateral regionalization and diffusion of a maturation-dependent antigen in the ram sperm plasma membrane. Wolf DE, et al. **J Cell Biol** 1986 May; 102(5):1826-31

An ultrastructural observation of mouse fertilization in vivo as revealed by 200 kV electron microscopy. Toshimori K, et al. **J Electron Microsc (Tokyo)** 1982;31(1):35-43

Ca++ localization in boar spermatozoa by the pyroantimonate technique and X-ray microanalysis. Berruti G, et al. **J Exp Zool** 1986 Feb;237(2):257-62

Isolation and enzymatic characterization of the plasmalemma from bovine spermatozoa. Casali E, et al. **J Exp Zool** 1985 Sep;235(3):397-401

Unusual features of sperm ultrastructure in the musk shrew Suncus murinus. Phillips DM, et al. **J Exp Zool** 1985 Jul; 235(1):119-26

Calmodulin immunoelectron microscopy: redistribution during ram spermatogenesis and epididymal maturation. II. Weinman S, et al. **J Histochem Cytochem** 1986 Sep; 34(9):1181-93

Immunoelectron microscopic localization of calmodulin and phospholipase A2 in spermatozoa. I. Weinman S, et al. **J Histochem Cytochem** 1986 Sep;34(9):1171-9

A fragile site 10q25 in human sperm chromosomes. Martin RH. **J Med Genet** 1986 Jun;23(3):279

Morphological change of the acrosome on motile bovine spermatozoa due to storage at 4 degrees C. Aalseth EP, et al. **J Reprod Fertil** 1985 Jul;74(2):473-8

Preparation of a plasma membrane-rich fraction from rat spermatozoa. Jones R. **J Reprod Fertil** 1986 Jul; 77(2):435-49

Quantitative differences between variants of A spermatogonia in man. Paniagua R, et al. **J Reprod Fertil** 1986 Jul; 77(2):669-73

Gap junctions between gonocytes and epithelial cells in the sex cords of the one day old rat. A freeze fracture study. McGinley DM, et al. **J Submicrosc Cytol** 1986 Jan; 18(1):75-84

Contractile proteins (actin, myosin) and tubulin are revealed within DNA-containing nucleocytoplasm in mature spermatozoa of Libinia emarginata L. Perez RA, et al. **J Submicrosc Cytol** 1986 Jul;18(3):471-80

An ultrastructural study of megachiropteran (Mammalia: Chiroptera) spermatozoa: implications for chiropteran phylogeny. Rouse GW, et al. **J Submicrosc Cytol** 1986 Jan; 18(1):137-52

Morphogenesis and cytochemistry of the postacrosomal dense lamina during mouse spermiogenesis. Czaker R. **J Ultrastruct Res** 1985 Jan;90(1):26-39

The aflagellate spermatozoon of Diplozoon (Platyhelminthes: Monogenea: Polyopisthocotylea): a demonstrative case of relationship between sperm ultrastructure and biology of reproduction. Justine JL, et al. **J Ultrastruct Res** 1985 Jul-Aug;92(1-2):47-54

Substructure of a cytoskeletal complex associated with the hamster sperm acrosome. Olson GE, et al. **J Ultrastruct Res** 1985 Sep;92(3):167-79

Structure of membrane domains and matrix components of the bovine acrosome. Olson GE, et al. **J Ultrastruct Res** 1985 Jan;90(1):9-25

Topographical relations of intramembrane particle distribution patterns in human sperm membranes. Tesařík J. **J Ultrastruct Res** 1984 Oct;89(1):42-55

Microtubule termination patterns in mammalian sperm flagella. Woolley DM, et al. **J Ultrastruct Res** 1985 Mar; 90(3):221-34

Detection of chromosomal abnormalities in human sperm. Brandriff B, et al. **Prog Clin Biol Res** 1986;209B:469-76

Ultrastructural and experimental investigations of sperm-egg interactions in the ascidian, Phallusia mamillata. Honegger TG. **Prog Clin Biol Res** 1986;217B:85-9

The demonstration of the spindle fiber attachments in the amphibian liver and sperm nuclei by the sera from scleroderma patients. Shi LJ, et al. **Sci Sin [B]** 1985 Oct; 28(10):1064-9

A method for visualizing the acrosome by light microscopy. Gosálvez J, et al. **Stain Technol** 1986 Jul;61(4):227-30

The mammalian spermatozoon: a model for the study of regional specificity in plasma membrane organization and function. Peterson RN, et al. **Tissue Cell** 1985;17(6):769-91 (77 ref.)

Spermatid giant cells, tubular hypospermatogenesis, spermatogonial swelling, cytoplasmic vacuoles, and tubular dilatation in the testes of normal rabbits. Morton D, et al. **Vet Pathol** 1986 Mar;23(2):176-83

Semen collection and spermatozoa characteristics in budgerigars (Melopsittacus undulatus). Samour JH, et al. **Vet Rec** 1986 Apr 5;118(14):397-9

[Ultrastructural research on human spermatozoa in 2 cases of severe disorders of motility] Protich M, et al. **Akush Ginekol (Sofiia)** 1986;25(3):69-71 (Eng. Abstr.) **(Bul)**

[Demonstration of human spermatozoa chromosomes in a heterospecific system: technical difficulties] Sèle B, et al. **Pathol Biol (Paris)** 1985 Nov;33(9):875-80 (Eng. Abstr.) **(Fre)**

[The phenomenon of coiled spermatozoan tail] Schieferstein G, et al. **Andrologia** 1986 Jul-Aug;18(4):341-52 (Eng. Abstr.) **(Ger)**

[Effect of various storage temperatures on the quality of thawed steer semen] Holzmann A, et al. **Zentralbl Veterinarmed [A]** 1985 Dec;32(10):721-8 (Eng. Abstr.) **(Ger)**

[Electron microscopy of cilia in a case of deficient ciliary motility syndrome associated with Kartagener syndrome] Jiménez-Cardoso JM, et al. **Bol Med Hosp Infant Mex** 1985 Nov;42(11):701-6 (Eng. Abstr.) **(Spa)**

[Ultrastructural observations on the spermatozoa of an asthenospermic patient] Vigil P, et al. **Rev Chil Obstet Ginecol** 1985;50(1):62-6 (Eng. Abstr.) **(Spa)**

SPERMICIDAL AGENTS see **SPERMATOCIDAL AGENTS**

SPERMIDINE

ANALOGS & DERIVATIVES

N1-acetylspermidine is not a substrate for N-acetylspermidine deacetylase. Marchant P, et al. **Biochim Biophys Acta** 1986 Apr 11;881(2):297-9

Evidence for the presence of a novel biosynthetic pathway for norspermidine in Vibrio. Yamamoto S, et al. **Can J Microbiol** 1986 Feb;32(2):99-103

Decorporation of Pu and Am from beagles with delayed daily injections of 3,4,3-LICAM(C) or Zn-DTPA. Mays CW, et al. **Health Phys** 1986 Apr;50(4):530-4

N1-monoacetylation abolishes the inhibitory effect of spermine and spermidine in the reticulocyte lysate translation system. Mezl VA, et al. **Int J Biochem** 1986; 18(8):705-11

Chelation therapy of incorporated plutonium-238 and americium-241: comparison of LICAM(C), DTPA and DFOA in rats, hamsters and mice. Volf V. **Int J Radiat Biol** 1986 Mar;49(3):449-62

The effect of pure LICAM(C) on the retention of plutonium-238 in mice and rats. Volf V, et al. **Int J Radiat Biol** 1986 Aug;50(2):205-11

Glycocinnasperimicin D, a new member of glycocinnamolyspermidine antibiotic. Dobashi K, et al. **J Antibiot (Tokyo)** 1985 Sep;38(9):1166-70

Separation of N1- and N8-acetylspermidine isomers by reversed-phase column liquid chromatography after derivatization with dansyl chloride. Stefanelli C, et al. **J Chromatogr** 1986 Feb 14;375(1):49-55

Elevated levels of free putrescine and N1-acetylspermidine in cyst fluids of malignant brain tumours. Yamazaki H, et al. **J Neurol Neurosurg Psychiatry** 1986 Feb;49(2):209-10

Removal of 239Pu from mice with 3,4,3 LICAM(C) or N,N',N'',N'''-tetra-(2,3-dihydroxybenzoyl)-spermine. Szot Z, et al. **Radiat Environ Biophys** 1986;25(1):31-5

ANALYSIS

Polyamine cytochemistry: comparisons between cytochemical, autoradiographic, immunocytochemical and chemical results in the prostate. Hougaard DM, et al. **Histochem J** 1986 Jun;18(6):321-8

BIOSYNTHESIS

Selective inhibition of spermidine biosynthesis and differentiation by S-adenosyl-1,8-diamino-3-thiooctane in murine erythroleukemia cells. Sherman ML, et al. **Biochem Pharmacol** 1986 Aug 1;35(15):2633-6

BLOOD

[Studies on polyamine radioimmunoassay. III. Spermidine radioimmunoassay] Chen ZZ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1985 Apr; 7(2):108-11 (Eng. Abstr.) **(Chi)**

METABOLISM

Interaction of paraquat and amine uptake by rat lungs perfused in situ. Rannels DE, et al. **Am J Physiol** 1985 Nov;249(5 Pt 1):E506-13

Methylglyoxal bis(guanylhydrazone) elimination of polyamine effects on protein synthesis. Ohnishi R, et al. **Arch Biochem Biophys** 1985 Oct;242(1):263-8

Studies on the accumulation of putrescine and spermidine in Escherichia coli. Smigielski AJ, et al. **Aust J Biol Sci** 1985;38(4):383-92

Spermidine is bound to a unique protein in early sea urchin embryos. Canellakis ZN, et al. **Proc Natl Acad Sci USA** 1985 Nov;82(22):7613-5

PHARMACODYNAMICS

Polyamine-mediated turnover of ornithine decarboxylase in Chinese-hamster ovary cells. Glass JR, et al. **Biochem J** 1986 Jun 1;236(2):351-7

Differential modulation by spermidine of reactions catalyzed by type I prokaryotic and eukaryotic topoisomerases. Srivenugopal KS, et al. **Biochemistry** 1985 Aug 27; 24(18):4766-71

Increased activity of spermidine N1-acetyltransferase in the adrenal cortex of rats following administration of exogenous spermidine, carbamylcholine, 2-deoxyglucose and dopamine agonists. Ekker M, et al. **Biochim Biophys Acta** 1986 Aug 29;888(1):36-41

The increase by spermidine of fidelity of protamine synthesis in a wheat-germ cell-free system. Ito K, et al.

Eur J Biochem 1986 May 2;156(3):505–10
Translational regulation of ornithine decarboxylase by polyamines. Persson L, et al. FEBS Lett 1986 Sep 15; 205(2):175–8
N1–monoacetylation abolishes the inhibitory effect of spermine and spermidine in the reticulocyte lysate translation system. Mezl VA, et al. Int J Biochem 1986; 18(8):705–11
Inhibition of the respiratory burst of human neutrophils by the polyamine oxidase–polyamine system. Ferrante A, et al. Int J Immunopharmacol 1986;8(4):411–7
Influence of the polyamines spermine and spermidine on yeast tRNAPhe as revealed from its imino proton NMR spectrum. Heerschap A, et al. Nucleic Acids Res 1986 Jan 24;14(2):983–98

PHYSIOLOGY

A possible role for polyamines in cartilage in the mechanism of calcification. Vittur F, et al. Biochim Biophys Acta 1986 Mar 19;881(1):38–45

TOXICITY

Mechanism of spermidine cytotoxicity at 37 degrees C and 43 degrees C in Chinese hamster ovary cells. Henle KJ, et al. Cancer Res 1986 Jan;46(1):175–82
Fetal calf serum–mediated toxicity of human polyamines to lymphocytes. Nishida Y, et al. Toxicol Lett 1986 Jun; 31(3):203–9

URINE

Increased urinary polyamine excretion during liver regeneration. Anehus S, et al. Biochem Med Metab Biol 1986 Jun;35(3):322–6
[Urine polyamine in patients with malignant urological diseases using a polyamine–test enzyme kit] Sakai S, et al. Hinyokika Kiyo 1986 May;32(5):661–5 (Eng. Abstr.) (Jpn)
[Urinary spermidine in assessing the effectiveness of chronic leukemia treatment] Voronchikhina LD, et al. Gematol Transfuziol 1985 Sep;30(9):12–5 (Eng. Abstr.) (Rus)
[Urinary polyamines and hydroxyproline in patients with breast cancer] Solov'ev IE, et al. Vrach Delo 1986 Jun; (6):80–4 (Eng. Abstr.) (Rus)

SPERMINE

Interaction of spermine with polyphosphoinositides containing liposomes and myo–inositol 1,4,5 triphosphate. Tadolini B, et al. Biochem Biophys Res Commun 1986 Feb 26;135(1):58–64
Ricinus communis agglutinin–mediated agglutination and fusion of glycolipid–containing phospholipid vesicles: effect of carbohydrate head group size, calcium ions, and spermine. Hoekstra D, et al. Biochemistry 1986 Mar 25; 25(6):1321–30
NMR studies of ion binding to Escherichia coli tRNAPhe. Hyde EI, et al. Biochemistry 1985 Jul 30;24(16):4315–25
Spermine as a modulator of membrane fusion: interactions with acidic phospholipids. Meers P, et al. Biochemistry 1986 Jun 3;25(11):3109–18
Spermine–nucleic acid interactions: a theoretical study. Zakrzewska K, et al. Biopolymers 1986 Mar;25(3):375–92
Spermine–DNA interactions: a theoretical study. Feuerstein BG, et al. Proc Natl Acad Sci USA 1986 Aug; 83(16):5948–52

ANALOGS & DERIVATIVES

N1–monoacetylation abolishes the inhibitory effect of spermine and spermidine in the reticulocyte lysate translation system. Mezl VA, et al. Int J Biochem 1986; 18(8):705–11
Removal of 239Pu from mice with 3,4,3 LICAM(C) or N,N',N'',N'''–tetra–(2,3–dihydroxybenzoyl)–spermine. Szot Z, et al. Radiat Environ Biophys 1986;25(1):31–5

ANALYSIS

Polyamine cytochemistry: comparisons between cytochemical, autoradiographic, immunocytochemical and chemical results in the prostate. Hougaard DM, et al. Histochem J 1986 Jun;18(6):321–8
Evaluation of BCMA as a new color reagent for the choline and spermine tests. Suzuki O, et al. Nippon Hoigaku Zasshi 1985 Aug;39(4):255–9

METABOLISM

Growth of mammalian cells in the absence of the accumulation of spermine. Pegg AE, et al. Biochem Biophys Res Commun 1985 Nov 27;133(1):82–9
Treatment with phorbol esters leads to spermine depletion and inhibition of DNA synthesis in phytohemagglutinin–activated bovine lymphocytes. Matsui–Yuasa I, et al. J Biochem (Tokyo) 1985 Dec; 98(6):1591–6
Nuclear magnetic resonance studies of polyamine binding to a defined DNA sequence. Wemmer DE, et al. J Mol Biol 1985 Sep 20;185(2):457–9

PHARMACODYNAMICS

Action of spermine on phosphate transport in liver mitochondria. Toninello A, et al. Arch Biochem Biophys 1986 Mar;245(2):363–8
Characteristics of polyamine stimulation of cyclic nucleotide–independent protein kinase reactions. Ahmed K, et al. Biochem J 1985 Dec 15;232(3):767–71
Differential effects of spermine on aggregation, inositol phosphate formation and protein phosphorylation in human platelets in response to thrombin, arachidonic acid and lysophosphatidic acid. Israels SJ, et al. Biochim Biophys Acta 1986 Sep 4;883(2):247–52
Cation sites, spermine, and the reaction sequence of the (Na+ + K+)–dependent ATPase. Robinson JD, et al. Biochim Biophys Acta 1986 Apr 25;856(3):536–44
Effect of spermine on cleavage of plasmid DNA by nucleases S1 and Bal 31. Shishido K. Biochim Biophys Acta 1985 Nov 13;826(2–3):147–50
Effects of the polyamine spermine on binding of follicle–stimulating hormone to membrane–bound immature bovine testis receptors. Swift TA, et al. Biochim Biophys Acta 1986 Feb 21;885(2):221–30
Comparison of the inhibitory effects of spermine, papaverine and adrenaline upon isolated segments of the rat small intestine. Martin JS, et al. Clin Exp Pharmacol Physiol 1986 Jan;13(1):87–90
N1–monoacetylation abolishes the inhibitory effect of spermine and spermidine in the reticulocyte lysate translation system. Mezl VA, et al. Int J Biochem 1986; 18(8):705–11
Inhibition of the respiratory burst of human neutrophils by the polyamine oxidase–polyamine system. Ferrante A, et al. Int J Immunopharmacol 1986;8(4):411–7
The kinetics of dihydrostreptomycin uptake in Pseudomonas putida membrane vesicles: absence of inhibition by cations. Thomson TB, et al. J Antimicrob Chemother 1985 Aug; 16(2):157–63
Spermine inhibits the phosphorylation of the 11,000– and 10,000–dalton nuclear proteins catalyzed by nuclear protein kinase NI in NB–15 mouse neuroblastoma cells. Verma R, et al. J Biol Chem 1986 Feb 25;261(6):2890–6
Phosphorylation of membrane proteins by cytosolic casein kinases in human erythrocytes. Effect of monovalent ions, 2,3–bisphosphoglycerate and spermine. Clari G, et al. Mol Cell Biochem 1985 Oct;68(2):181–7
Influence of the polyamines spermine and spermidine on yeast tRNAPhe as revealed from its imino proton NMR spectrum. Heerschap A, et al. Nucleic Acids Res 1986 Jan 24;14(2):983–98
[Histone H1, polylysine and spermine—factors of nucleosome assembly in vitro] Bogdanova ES. Mol Biol (Mosk) 1985 Sep–Oct;19(5):1251–8 (Eng. Abstr.) (Rus)

PHYSIOLOGY

A possible role for polyamines in cartilage in the mechanism of calcification. Vittur F, et al. Biochim Biophys Acta 1986 Mar 19;881(1):38–45
Polyamine regulation of the microtubule–associated protein kinase. Nickerson JA, et al. J Neurochem 1986 Jan; 46(1):112–6
Polyamine depletion increases cellular ribonucleotide levels. Oredsson SM, et al. Mol Cell Biochem 1986 Apr; 70(1):89–96

TOXICITY

Fetal calf serum–mediated toxicity of human polyamines to lymphocytes. Nishida Y, et al. Toxicol Lett 1986 Jun; 31(3):203–9

SPERMINE SYNTHASE see under **TRANSFERASES**

SPERMIOCYTES see **SPERMATOCYTES**

SPERMOPHILUS see **SCIURIDAE**

SPHAERIALES see under **ASCOMYCETES**

SPHAEROPHORUS see **FUSOBACTERIUM**

SPHAEROPHORUS INFECTIONS see **FUSOBACTERIUM INFECTIONS**

SPHAEROPHORUS NECROPHORUS see **FUSOBACTERIUM NECROPHORUM**

SPHAGNUM see **PLANTS**

SPHENOID BONE

Giant cell tumor of the sphenoid bone mimicking a pituitary tumor. Wilbur AC, et al. AJNR 1986 Mar–Apr;7(2):361–2
Surgical management of tumours invading the skull base. Derome PJ. Can J Neurol Sci 1985 Nov;12(4):345–7
[Extracranial recurrence of sphenoidal ridge meningioma—a case report] Ishikura A, et al. Gan No Rinsho 1986 Jun; 32(7):787–91 (Eng. Abstr.) (Jpn)
[A case of clival chordoma without bone destruction] Yuhi F, et al. No Shinkei Geka 1986 Mar;14(4):547–52 (Eng. Abstr.) (Jpn)

ABNORMALITIES

Sphenopharyngeal encephalocele associated with agenesis of the corpus callosum. Mauersberger W, et al. Neurochirurgia (Stuttg) 1985 Nov;28(6):238–42
[Absence of the right wing of the sphenoid bone in von Recklinghausen disease, meningocele, and pachydermatocele] Tada S. Rinsho Hoshasen 1985 Jun; 30(6):723–4 (Jpn)

ANATOMY & HISTOLOGY

A population study of the jugular foramen bridging of the human cranium. Dodo Y. Am J Phys Anthropol 1986 Jan; 69(1):15–9

INJURIES

Pterygoid plate fractures caused by the Le Fort I osteotomy. Robinson PP, et al. Br J Oral Maxillofac Surg 1986 Jun; 24(3):198–202
Fractures of the sphenoid bone. Ghobrial W, et al. Head Neck Surg 1986 Jul–Aug;8(6):447–55
Sphenotemporal buttress fracture. A report of five cases. Jend HH, et al. Neuroradiology 1984;26(5):411–3

PATHOLOGY

The natural history and pathogenesis of the cranial coronal ring articulations: implications in understanding the pathogenesis of the Crouzon craniostenotic defects. Burdi AR, et al. Cleft Palate J 1986 Jan;23(1):28–39

RADIOGRAPHY

Case report 358: desmoid tumor of the greater wing of the right sphenoid bone. Crisi G, et al. Skeletal Radiol 1986; 15(3):247–50
[Role of computed tomography in the radiologic exploration of the pterygomaxillary fossa] Pierucci F, et al. Rev Stomatol Chir Maxillofac 1985;86(6):418–24 (Eng. Abstr.) (Fre)

SURGERY

Surgical approach to the pterygomaxillary region. Pogrel MA, et al. J Oral Maxillofac Surg 1986 Mar;44(3):183–7
A case of pseudoankylosis between the pterygoid plate and mandible. Super S, et al. J Oral Maxillofac Surg 1986 Jun; 44(6):467–8
External (combination) rhinoplasty approach for trans–sphenoidal adenectomy. Quilligan JJ, et al. J Otolaryngol 1985 Jun;14(3):192–6
Sphenoethmoidectomy: the case for ethmoid marsupialization. Friedman WH, et al. Laryngoscope 1986 May;96(5):473–9
Craniotomy versus transsphenoidal excision of large pituitary tumors: the usefulness of magnetic resonance imaging in guiding the operative approach. Snow RB, et al. Neurosurgery 1986 Jul;19(1):59–64
[Approach to the pterygomaxillary region by the Lefort I osteotomy] Négrier B, et al. Ann Otolaryngol Chir Cervicofac 1985;102(7):487–91 (Eng. Abstr.) (Fre)
[Value of the orbito–fronto–temporo–malar approach in the excision of various meningiomas of the sphenoidal crest] Lesoin F, et al. Neurochirurgie 1986;32(2):154–60 (Eng. Abstr.) (Fre)

SPHENOID SINUS

Sphenoid sinus mucocele (anterior clinoid variant) mimicking diabetic ophthalmoplegia and retrobulbar neuritis. Johnson LN, et al. Am J Ophthalmol 1986 Jul 15;102(1):111–5
Ectopic pituitary adenomas with normal anterior pituitary glands. Lloyd RV, et al. Am J Surg Pathol 1986 Aug; 10(8):546–52
Localisation of a CSF fistula by metrizamide CT cisternography. Luotonen J, et al. J Laryngol Otol 1986 Aug;100(8):955–8
Abducens nerve paralysis: a potential presentation of sphenoid sinus cancer. Moore GF, et al. Otolaryngol Head Neck Surg 1986 Feb;94(2):249–53
Nasal "glioma" in an aged woman presenting with liquoral rhinorrhea. Luzi P, et al. Rev Laryngol Otol Rhinol (Bord) 1985;106(2):131–3
Sphenoid mucocele causing hyperprolactinemia: radiologic/pathologic correlation. Fody EP, et al. South Med J 1986 Aug;79(8):1017–21
Traumatic internal carotid artery aneurysm with rupture into the sphenoid sinus. Wang AN, et al. Surg Neurol 1986 Jan; 25(1):77–81
[Mucoceles of the sphenoid sinus and their ophthalmological manifestations] Hamard H, et al. J Fr Ophtalmol 1985; 8(10):645–52 (Eng. Abstr.) (Fre)
[Spheno–cavernous metastasis of prostatic cancer] Leduc D, et al. Rev Med Interne 1986 Jan;7(1):70–3 (Fre)
[Pulsating nasopharyngeal tumor. Case report of spheno–pharyngeal cephalocele] Kisselbach G. HNO 1986 Jul;34(7):310–2 (Eng. Abstr.) (Ger)
[Mucocele of the sphenoidal sinus—a report of 26 cases] Iinuma T, et al. Nippon Jibiinkoka Gakkai Kaiho 1985 Jun; 88(6):719–27 (Eng. Abstr.) (Jpn)
[Rhinosinusal fibromyxoma] Dinu C, et al. Rev Chir [Otorinolaringol] 1985 Oct–Dec;30(4):249–54 (Eng. Abstr.) (Rum)

[Removal of a foreign body from the sphenoid sinus and the clivus] Khil'ko VA, et al. **Zh Vopr Neirokhir** 1986 May-Jun;(3):52-3 **(Rus)**

[Hemorrhage into the sphenoid sinus after traumatic damage to the internal carotid artery] Strelka J, et al. **Cesk Otolaryngol** 1986 Apr;35(3):184-7 (Eng. Abstr.) **(Slo)**

RADIATION EFFECTS

[Use of intracavitary low-energy laser therapy in the complex treatment of inflammatory diseases of the sphenoid sinus] Pluzhnikov SM, et al. **Vestn Otorinolaringol** 1986 Jul-Aug;(4):72-3 **(Rus)**

RADIOGRAPHY

Chondrosarcoma of the ethmoidal and sphenoidal sinuses. A case of chondrosarcoma arising from postparanasal sinuses. Ishida M, et al. **ORL J Otorhinolaryngol Relat Spec** 1986;48(3):174-9

[The role of contrast sphenography in the x-ray diagnosis of inflammatory diseases of the sphenoidal sinuses] Usanov AA, et al. **Vestn Rentgenol Radiol** 1986 May-Jun;(3):32-6 (Eng. Abstr.) **(Rus)**

SURGERY

Mucocele of the pterygoid recess treated by laser surgery. Case report. Wilberger JE Jr, et al. **J Neurosurg** 1985 Dec; 63(6):970-2

Giant osteoma of the sphenoid sinus reached by an extradural transbasal approach: case report. Pompili A, et al. **Neurosurgery** 1985 Nov;17(5):818-21

[Surgery of the sphenoidal mucocele] Iinuma T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1985 Aug;88(8):1010-7 (Eng. Abstr.) **(Jpn)**

SPHEROCYTES see under **ERYTHROCYTES, ABNORMAL**

SPHEROCYTOSIS, HEREDITARY

see related
ANEMIA, SIDEROBLASTIC

BLOOD

Erythrocyte vacuoles in hereditary spherocytosis [letter] Zipursky A, et al. **Br J Haematol** 1986 Apr;62(4):775-6

NH_4Cl-$HCO_3(-)$-mediated hemolytic reaction in the erythrocytes of hereditary spherocytosis. Takeda T, et al. **Tohoku J Exp Med** 1986 Feb;148(2):119-23

[Activities of erythrocytic chalones and antichalones in anemia] Bala IuM, et al. **Gematol Transfuziol** 1986 Jan; 31(1):14-6 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Six cases of hereditary spherocytosis revealed by human parvovirus infection. Lefrere JJ, et al. **Br J Haematol** 1986 Apr;62(4):653-8

[Erythroblastopenic crisis caused by human parvoviruses in Minkowski-Chauffard disease] Lefrère JJ, et al. **Rev Med Interne** 1986 Jan;7(1):66-7 **(Fre)**

[A case from practice (54). Patient: Sch. St., born 16 February 1986, student] Buser P. **Schweiz Rundsch Med Prax** 1986 May 13;75(20):595-6 **(Ger)**

DIAGNOSIS

An evaluation of the acidified glycerol lysis test. Rutherford CJ, et al. **Br J Haematol** 1986 May;63(1):119-21

Unusual ultrasound appearance of the spleen--a case of hereditary spherocytosis. Gupta R, et al. **Br J Radiol** 1986 Mar;59(699):284-5

Human parvovirus infection revealing hereditary spherocytosis [letter] Summerfield GP, et al. **Lancet** 1985 Nov 9;2(8463):1070

An inadvertent in vivo osmotic fragility test. Antonucci RA, et al. **NC Med J** 1986 Apr;47(4):185-6

[Clinical usefulness of the simplified acidified glycerol lysis test (AGLT) in hereditary spherocytosis] Imagawa S, et al. **Rinsho Ketsueki** 1985 Dec;26(12):1948-54 (Eng. Abstr.) **(Jpn)**

FAMILIAL & GENETIC

Aplastic crisis and erythema infectiosum (fifth disease) revealing a hereditary spherocytosis in a familial human parvovirus infection. Lefrère JJ, et al. **Nouv Rev Fr Hematol** 1986;28(1):7-9

[Hereditary spherocytosis. Cases from the Pediatric Clinic] Cottafava F, et al. **Minerva Pediatr** 1985 Jun 30; 37(11-12):429-34 (Eng. Abstr.) **(Ita)**

PATHOLOGY

Red cell abnormalities in a kindred with an uncommon form of hereditary spherocytosis. Olim G, et al. **Acta Med Port** 1985 May;6(5):137-41

Red pulp of the spleen in autoimmune haemolytic anaemia and hereditary spherocytosis: morphometric light and electron microscopy studies. Myhre Jensen O, et al. **Scand J Haematol** 1986 Mar;36(3):263-6

[Familial hereditary spherocytosis in the pediatric patient] Güemez-Sandoval JC, et al. **Bol Med Hosp Infant Mex** 1985 Jul;42(7):440-4 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Hereditary spherocytosis. Recent experience and current concepts of pathophysiology. Croom RD 3d, et al. **Ann Surg** 1986 Jan;203(1):34-9

SURGERY

[Splenectomy in hematologic diseases in childhood] Novák M, et al. **Rozhl Chir** 1986 Mar;65(3):167-72 (Eng. Abstr.) **(Cze)**

[Surgical tactics in the treatment of patients with hereditary microspherocytic hemolytic anemia associated with a mitral heart defect] Romashov FN, et al. **Khirurgiia (Mosk)** 1985 Jun;(6):133-4 **(Rus)**

SPHEROPLASTS

The immortalization of human lymphocytes by spheroplast fusion. Brzeski H, et al. **Dev Biol Stand** 1985;60:105-9

CYTOLOGY

Fusion of yeast spheroplasts. van Solingen P, et al. **J Bacteriol** 1977 May;130(2):946-7

METABOLISM

$Al3+$ ions alter temperature-induced changes in ferricyanide Hill activity of spheroplasts of Synechococcus cedrorum. Wavare RA, et al. **Indian J Biochem Biophys** 1985 Oct; 22(5):309-12

SPHINGOGLYCOLIPIDS see **GLYCOSPHINGOLIPIDS**

SPHINGOLIPIDOSIS

COMPLICATIONS

Sphingomyelin lipidosis variant with cirrhosis in the pediatric age group. Witzleben CL, et al. **Arch Pathol Lab Med** 1986 Jun;110(6):508-12

DIAGNOSIS

[Prenatal diagnosis of sphingolipidosis] Shi HP, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Dec; 6(6):449-50 (Eng. Abstr.) **(Chi)**

[Laboratory diagnosis of sphingolipidosis] Shi HP, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Dec; 6(6):446-8 (Eng. Abstr.) **(Chi)**

[Farber's lipogranulomatosis. Apropos of a case] Palcoux JB, et al. **Arch Fr Pediatr** 1985 Aug-Sep;42(7):535-6 (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

Varied citrus treatment of ruminant gagging in a teenager with Batten's disease. Glasscock SG, et al. **J Behav Ther Exp Psychiatry** 1986 Jun;17(2):129-33

SPHINGOLIPIDS

Circular dichroism spectra of aqueous dispersions of sphingolipids. Miller IR, et al. **Biochim Biophys Acta** 1986 Apr 25;856(3):654-60

ANALYSIS

Chemical characterization of Flavobacterium odoratum, Flavobacterium breve, and Flavobacterium-like groups IIe, IIh, and IIf. Dees SB, et al. **J Clin Microbiol** 1986 Feb; 23(2):267-73

Phase behavior of carbamyloxyphosphatidylcholine, a sphingolipid analogue. Curatolo W, et al. **J Pharm Sci** 1985 Dec;74(12):1255-8

Orientation measurements on ordered multibilayers of phospholipids and sphingolipids from synthetic and natural origin by ATR Fourier transform infrared spectroscopy. Brandenburg K, et al. **Z Naturforsch [C]** 1986 Apr; 41(4):453-67

METABOLISM

Diagnostic and therapeutic applications of sphingolipid hydrolyzing enzymes. Brady RO. **Curr Top Cell Regul** 1985;26:39-50

PHARMACODYNAMICS

Sphingolipids inhibit insulin and phorbol ester stimulated uptake of 2-deoxyglucose. Nelson DH, et al. **Biochem Biophys Res Commun** 1986 Jul 16;138(1):463-7

Stimulatory effect of certain plant sphingolipids on fruiting of Schizophyllum commune. Kawai G, et al. **J Biol Chem** 1986 Jan 15;261(2):779-84

SPHINGOMYELIN PHOSPHODIESTERASE see under **PHOSPHODIESTERASES**

SPHINGOMYELINS

Transbilayer phosphatidylcholine distributions in small unilamellar sphingomyelin-phosphatidylcholine vesicles: effect of altered polar head group. Kumar A, et al. **Biochemistry** 1985 Sep 10;24(19):5157-63

Two types of hydrocarbon chain interdigitation in sphingomyelin bilayers. Levin IW, et al. **Biochemistry** 1985 Oct 22;24(22):6282-6

ANALYSIS

Effect of acetone precipitation on the clinical prediction of respiratory distress syndrome when utilizing amniotic fluid lecithin/sphingomyelin ratios. Hobson DW, et al. **Am J Obstet Gynecol** 1986 May;154(5):1023-6

Sphingomyelin lipidosis variant with cirrhosis in the pediatric age group. Witzleben CL, et al. **Arch Pathol Lab Med** 1986 Jun;110(6):508-12

Improved fluorescence polarization assay for use in evaluating fetal lung maturity. III. Retrospective clinical evaluation and comparison with the lecithin/sphingomyelin ratio. Ashwood ER, et al. **Clin Chem** 1986 Feb;32(2):260-4

Improved fluorescence polarization assay for use in evaluating fetal lung maturity. II. Analytical evaluation and comparison with the lecithin/sphingomyelin ratio. Foerder CA, et al. **Clin Chem** 1986 Feb;32(2):255-9

Clinical experience with the Helena Fetal-Tek method of lecithin/sphingomyelin determination [letter] Merwin MC, et al. **Clin Chem** 1985 Nov;31(11):1924-5

Effect of differences in saturation sensitivity of phospholipid stains on clinical predictivity of L/S ratios. Spillman T, et al. **Clin Chim Acta** 1985 Oct 31;152(1-2):199-203

Foetal lung maturation in twin gestation. Dhall K, et al. **Indian J Med Res** 1986 Apr;83:422-5

Rapid enzyme analysis of amniotic fluid phospholipids containing choline: a comparison with the lecithin to sphingomyelin ratio in prenatal assessment of fetal lung maturity. Teng SH, et al. **J Clin Pathol** 1985 Nov; 38(11):1304-8

Choline, phosphatidylcholine and sphingomyelin in human and bovine milk and infant formulas. Zeisel SH, et al. **J Nutr** 1986 Jan;116(1):50-8

Quantitative analysis of amniotic fluid phospholipids in diabetic pregnant women. Amon E, et al. **Obstet Gynecol** 1986 Sep;68(3):373-8

Comparison of amniotic fluid disaturated phosphatidylcholine and the lecithin-sphingomyelin ratio in the prediction of fetal lung maturity. Nugent CE, et al. **Obstet Gynecol** 1986 Oct;68(4):541-5

Lecithin-sphingomyelin ratios in amniotic fluid of pregnancies with an anencephalic fetus. Parker CR Jr, et al. **Obstet Gynecol** 1986 Oct;68(4):546-9

A practical method to analyze the phospholipids in the amniotic fluid using HPTLC. Fabre E, et al. **Rev Esp Fisiol** 1986 Jun;42(2):171-8

[Lecithin/sphingomyelin in the amniotic fluid in Rh isoimmunization pregnancy and diabetes] Matrova Ts, et al. **Akush Ginekol (Sofiia)** 1986;25(3):33-5 (Eng. Abstr.) **(Bul)**

[Lecithin-sphingomyelin and phosphatidylglycerol ratio: comparison of 2 tests for the prenatal diagnosis of hyaline membrane disease] Lamedica G, et al. **Ann Ostet Ginecol Med Perinat** 1985 May-Jun;106(3):133-9 (Eng. Abstr.) **(Ita)**

BIOSYNTHESIS

Sphingomyelin and ceramide-phosphoethanolamine synthesis by microsomes and plasma membranes from rat liver and brain. Malgat M, et al. **J Lipid Res** 1986 Mar;27(3):251-60

BLOOD

Plasma and erythrocyte lipid composition in normal pregnancy. Vaysse J, et al. **Biol Res Pregnancy Perinatol** 1986;7(2):89-92

Adrenoleukodystrophy without adrenal insufficiency and its magnetic resonance imaging. Nishio H, et al. **J Neurol** 1985; 232(5):265-70

[Transport of the fatty acids composing the phosphatidylcholines and sphingomyelins of the low- and very high-density lipoproteins in the blood plasma in myocardial hypertrophy] Gerasimova EN, et al. **Ter Arkh** 1986;58(1):55-60 (Eng. Abstr.) **(Rus)**

[Characteristics of fatty acid composition of phosphatidyl cholines and sphingomyelins of low-density lipoproteins in the plasma of native inhabitants of Chukotka] Gerasimova EN, et al. **Vopr Med Khim** 1986 Mar-Apr; 32(2):66-72 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Fluorine-, pyrene-, and nitroxide-labeled sphingomyelin: semi-synthesis and thermotropic properties. Ahmad TY, et al. **J Lipid Res** 1985 Sep;26(9):1160-5

METABOLISM

The inhibition of diacylglycerol-stimulated intracellular phospholipases by phospholipids with a phosphocholine-containing polar group. A possible physiological role for sphingomyelin. Dawson RM, et al. **Biochem J** 1985 Aug 15;230(1):61-8

Clinical and biochemical diagnostics of Niemann-Pick disease. Maciejko D, et al. **Klin Padiatr** 1986 Mar-Apr; 198(2):103-6

Modifications of sphingomyelin and phosphatidylcholine metabolism by tricyclic antidepressants and phenothiazines. Albouz S, et al. **Life Sci** 1986 Jan 27;38(4):357-63

Reliability of lecithin/sphingomyelin ratios in diabetic

pregnancy. Dudley DK, et al. **Obstet Gynecol** 1985 Oct; 66(4):521–4
Metabolism of sphingomyelin in cultured skin fibroblasts from patients with different types of Niemann–Pick disease. Nakashima M, et al **Tohoku J Exp Med** 1986 Apr; 148(4):365–71

SPHINGOSINE

ANALOGS & DERIVATIVES

Inhibition of cytochrome c oxidase by psychosine (galactosylsphingosine). Igisu H, et al. **Biochem Biophys Res Commun** 1986 May 29;137(1):323–7
Cerebrosides and psychosine disrupt mitochondrial functions. Strasberg P. **Biochem Cell Biol** 1986 May;64(5):485–9
Inhibition of phorbol ester–dependent differentiation of human promyelocytic leukemic (HL–60) cells by sphinganine and other long–chain bases. Merrill AH Jr, et al. **J Biol Chem** 1986 Sep 25;261(27):12610–5
Biosynthesis of long–chain (sphingoid) bases from serine by LM cells. Evidence for introduction of the 4–trans–double bond after de novo biosynthesis of N–acylsphinganine(s). Merrill AH Jr, et al. **J Biol Chem** 1986 Mar 15; 261(8):3764–9
Inhibition of the oxidative burst in human neutrophils by sphingoid long–chain bases. Role of protein kinase C in activation of the burst. Wilson E, et al. **J Biol Chem** 1986 Sep 25;261(27):12616–23

PHARMACODYNAMICS

Sphingosine inhibition of protein kinase C activity and of phorbol dibutyrate binding in vitro and in human platelets. Hannun YA, et al. **J Biol Chem** 1986 Sep 25; 261(27):12604–9

SPICES see **CONDIMENTS**

SPIDER BITE see **ARACHNIDISM**

SPIDER VENOMS see under **ARTHROPOD VENOMS**

SPIDERS

Brown recluse spider. Burnett JW, et al. **Cutis** 1985 Sep; 36(3):197–8
Treatment of brown recluse spider bites [letter] King LE Jr, et al. **J Am Acad Dermatol** 1986 Apr;14(4):691–2
Latrodectism—effects of the black widow spider bite. Timms PK, et al. **West J Med** 1986 Mar;144(3):315–7
[Latrodectism in man and animals as well as great epizootics of the previous century caused by Latrodectus] Maretić Z, et al. **DTW** 1985 Jul 24;92(7–8):270–3 (Eng. Abstr.) **(Ger)**
[Fusogenic properties of latrotoxin] Lishko VK, et al. **Dokl Akad Nauk SSSR** 1986;288(3):740–3 **(Rus)**
[Cutaneous reaction due to spider pollito (Grammostola doeringi)] Esteso SC, et al. **Rev Fac Cien Med Univ Nac Cordoba** 1984;42(3):35–8 (Eng. Abstr.) **(Spa)**

GENETICS

Tarantula hemocyanin mRNA. In vitro translation, cDNA cloning and nucleotide sequence corresponding to subunit e. Voit R, et al. **Eur J Biochem** 1986 Aug 15;159(1):23–9

METABOLISM

The cylindrical or tubiliform glands of Nephila clavipes. Candelas GC, et al. **J Exp Zool** 1986 Feb;237(2):281–5

MICROBIOLOGY

Normal and parasitized stages of spiders. II. Development of Chlamydia–like microorganisms infesting ovaries of Segestria senoculata. Traciuc E. **Arch Roum Pathol Exp Microbiol** 1985 Oct–Dec; 44(4):293–9

PHYSIOLOGY

The effects of season of collection, feeding, maturation and gender on the potency of funnel–web spider (Atrax infensus) venom. Atkinson RK, et al. **Aust J Exp Biol Med Sci** 1985 Oct;63 (Pt 5):555–61
Stiffness of an arthropod leg joint. Blickhan R. **J Biomech** 1986;19(5):375–84
Transmission of a female sex pheromone thwarted by males in the spider Linyphia litigiosa (Linyphiidae). Watson PJ. **Science** 1986 Jul 11;233(4760):219–21

RADIATION EFFECTS

Effect of 9.6–GHz pulsed microwaves on the orb web spinning ability of the cross spider (Araneus diadematus). Liddle CG, et al. **Bioelectromagnetics** 1986;7(1):101–5

SPIN LABELS

see related
ELECTRON SPIN RESONANCE

In vivo spin trapping of free radicals generated in brain, spleen, and liver during gamma radiation of mice. Lai EK, et al. **Arch Biochem Biophys** 1986 Jan;244(1):156–60
Anti–nitroxide immunoglobulin G: analysis of antibody specificity and their application as probes for spin–labeled proteins. Eichler DC, et al. **Biochemistry** 1985 Feb 26; 24(5):1181–6
Two–dimensional 1H NMR of three spin–labeled derivatives of bovine pancreatic trypsin inhibitor. Kosen PA, et al. **Biochemistry** 1986 May 6;25(9):2356–64
Interaction between blood components and a spin–labeled analogue of PAF–acether. Bette–Bobillo P, et al. **Biochim Biophys Acta** 1986 Aug 21;860(2):194–200
Ideal imaging in MR: contrast–enhancing pharmaceuticals. Evaluation of tempo carboxylic acid as nitroxide diagnostic agent. Lamarque JL, et al. **Eur J Radiol** 1986 Feb; 6(1):48–52
Potential radiosensitizing effect in vivo of nitroxyl spin labels [letter] Couet WR, et al. **Int J Radiat Biol** 1985 Dec; 48(6):997–8
Diradical nitroxyl spin label contrast agents for magnetic resonance imaging. A comparison of relaxation effectiveness. Ehman RL, et al. **Invest Radiol** 1986 Feb; 21(2):125–31
Magnetic resonance imaging of acute myocardial infarction using a nitroxyl spin label (PCA). McNamara MT, et al. **Invest Radiol** 1985 Sep;20(6):591–5
Methods of physical labels—a combined approach to the study of microstructure and dynamics in biological systems. Likhtenstein GI, et al. **J Biochem Biophys Methods** 1986 Jan;12(1–2):1–28
PDN–1: a spin–labeled analog of cis–diamminedichloroplatinum(II). Biophysical studies in aqueous, lipophilic, and biological media. Claycamp HG, et al. **J Inorg Biochem** 1986 Apr;26(4):257–67
The use of 2,2,6,6–tetramethyl–4–maleimido–piperidin–1–oxyl in electron paramagnetic resonance spin label studies of drug interactions with erythrocyte membranes. Hornblow HM, et al. **J Pharmacol Methods** 1985 Nov;14(3):229–41
A spin label study of the membranolytic effects of crystalline monosodium urate monohydrate. Herring FG, et al. **J Rheumatol** 1986 Jun;13(3):623–30
Measurement of intracellular oxygen concentration using the spin label TEMPOL. Morse PD 2d, et al. **Magn Reson Med** 1985 Apr;2(2):114–27
A spin label study of the ionic strength dependent conformational change in the human Ia molecule. Curtain CC, et al. **Mol Immunol** 1985 Aug;22(8):849–55
Incorporation of the spin trap DMPO into cultured fetal mouse liver cells. Morgan DD, et al. **Photochem Photobiol** 1985 Jul;42(1):93–4
Spin–label substitutions in cisplatin reduce toxicity and interaction with radiation. Claycamp HG, et al. **Radiat Res** 1986 May;106(2):141–6
[Detection of superoxide radicals in intact heart mitochondria by spin trapping] Ledenev AN, et al. **Biofizika** 1985 Jul–Aug;30(4):708–9 (Eng. Abstr.) **(Rus)**
[Structural changes in erythrocyte membranes during cooling studied by a spin probe method] Gulevskiĭ AK, et al. **Biull Eksp Biol Med** 1986 Jan;101(1):33–5 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Dynamics and interactions of the anion channel in intact human erythrocytes: an electron paramagnetic resonance spectroscopic study employing a new membrane–impermeant bifunctional spin–label. Beth AH, et al. **Biochemistry** 1986 Jul 1;25(13):3824–32
Lipid–protein interactions in cytochrome c oxidase. A comparison of covalently attached phospholipid photo–spin–label with label free to diffuse in the bilayer. Griffith OH, et al. **Biochemistry** 1986 Feb 11;25(3):574–84
A new chemical procedure for the preparation of gangliosides carrying fluorescent or paramagnetic probes on the lipid moiety. Acquotti D, et al. **Chem Phys Lipids** 1986 May;40(1):71–86
Micellar formation of spin–labeled fatty acyl derivatives of lipophilic muramyl dipeptides and their incorporation into liposomal membranes. Manabe H, et al. **Chem Phys Lipids** 1986 May;40(1):1–14
Fluorine–, pyrene–, and nitroxide–labeled sphingomyelin: semi–synthesis and thermotropic properties. Ahmad TY, et al. **J Lipid Res** 1985 Sep;26(9):1160–5

METABOLISM

Internalization of the spin–labelled surface potential probe CAT12 by energized mitochondria. Wojtczak L, et al. **Biochem Biophys Res Commun** 1986 May 14;136(3):941–6
Association of gangliosides with the lymphocyte plasma membrane studied using radiolabels and spin labels. Sharom FJ, et al. **Biochim Biophys Acta** 1986 Jan 29;854(2):287–97
Cellular metabolism of water–soluble nitroxides: effect on rate of reduction of cell/nitroxide ratio, oxygen concentrations and permeability of nitroxides. Swartz HM, et al. **Biochim Biophys Acta** 1986 Aug 29;888(1):82–90
Single–headed binding of a spin–labeled–HMM–ADP complex to F–actin. Saturation transfer electron paramagnetic resonance and sedimentation studies. Manuck BA, et al. **Biophys J** 1986 Aug;50(2):221–30
On the search for new anticancer drugs 14: the plasma pharmacokinetics and tissue distribution of spin–labeled thio–TEPA (SL–O–TT). Gutierrez PL, et al. **Cancer Chemother Pharmacol** 1985;15(3):185–91

PHARMACODYNAMICS

Comparison of the active sites of atropinesterase and some serine proteases by spin–labeling. van der Drift AC, et al. **Biochemistry** 1985 Sep 24;24(20):5333–42
Spin label studies of the essential sulfhydryl group environment in chicken liver fructose–1,6–bisphosphatase. Zeidan H, et al. **FEBS Lett** 1985 Nov 18;192(2):294–8

SPINA BIFIDA

Assessing the impact of a child with spina bifida on the family. McCormick MC, et al. **Dev Med Child Neurol** 1986 Feb;28(1):53–61
Proceedings of the Manchester meeting of the Society for Research into Hydrocephalus and Spina Bifida, 1985. **Z Kinderchir** 1985 Dec;40 Suppl 1:1–60

COMPLICATIONS

Oxybutinin and the prevention of urinary incontinence in spina bifida. Hehir M, et al. **Eur Urol** 1985;11(4):254–6
Klinefelter's syndrome, cerebral germinoma, Chiari malformation, and syrinx: a case report. Ellis SJ, et al. **Neurosurgery** 1986 Feb;18(2):220–2
Does the spina bifida clinic need an ophthalmologist? Gaston H. **Z Kinderchir** 1985 Dec;40 Suppl 1:46–50
[Ulcero–mutilating acropathies and spinal abnormalities. Apropos of 4 case reports] Sfar Z, et al. **Tunis Med** 1986 Feb;64(2):127–30 (Eng. Abstr.) **(Fre)**
[Vesico–renal reflux caused by neurogenic bladder from spina bifida in childhood] Beseghi U, et al. **Acta Biomed Ateneo Parmense** 1986;57(1–2):5–8 (Eng. Abstr.) **(Ita)**
[Prevention of renal injury by means of intermittent catheterization in children with neurogenic bladder secondary to spina bifida] Jiménez J, et al. **An Esp Pediatr** 1985 Oct 31;23(5):347–53 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Ultrasound screening for spina bifida: cranial and cerebellar signs. Nicolaides KH, et al. **Lancet** 1986 Jul 12;2(8498):72–4
Ultrasound biparietal diameter in spina bifida [letter] Wald N, et al. **Lancet** 1986 Aug 23;2(8504):454
Magnetic resonance imaging in occult spinal dysraphism. Roos RA, et al. **Pediatr Radiol** 1986;16(5):412–6

FAMILIAL & GENETIC

The cerebro–costo–mandibular syndrome: third report of familial occurrence. Hennekam RC, et al. **Clin Genet** 1985 Aug;28(2):118–21
Experimental teratological studies with the mouse CNS mutations cranioschisis and delayed splotch. Kalter H. **J Craniofac Genet Dev Biol [Suppl]** 1985;1:339–42

HISTORY

Evidence of spina bifida in skeletal remains from Ireland. Saluja PG. **Ir Med J** 1986 Jun;79(6):145–9

OCCURRENCE

Spina bifida—a vanishing nightmare? Lorber J, et al. **Arch Dis Child** 1985 Nov;60(11):1086–91
Spina bifida—a vanishing nightmare? [letter] Lorber J. **Childs Nerv Syst** 1985;1(5):242
Aspects of the incidence of central nervous system malformations in Cologne 1971–1980. Schüle K. **Klin Padiatr** 1985 Jul–Aug;197(4):277–81
Risk factors in the prevalence of anencephalus and spina bifida in New Zealand. Borman GB, et al. **Teratology** 1986 Apr;33(2):221–30 (74 ref.)
[Neural tube defects (spina bifida and anencephaly) in Brittany] Journel H, et al. **Pediatrie** 1985 Sep;40(6):461–8 (Eng. Abstr.) **(Fre)**
[Investigation on the frequency of 3 congenital malformations in newborn infants in the Vercelli province in the years 1975–1979] Cerruti Mainardi P, et al. **Minerva Pediatr** 1985 Oct 31;37(20):799–801 (Eng. Abstr.) **(Ita)**

PATHOLOGY

Intraspinal communication of sacrococcygeal dermal sinuses. Kajiwara H, et al. **Childs Nerv Syst** 1985;1(5):264–7
Tethered spinal cord [editorial] **Lancet** 1986 Sep 6; 2(8506):549–50

PHYSIOPATHOLOGY

[Bowel function of spina bifida] Maie M, et al. **Nippon Geka Gakkai Zasshi** 1985 Sep;86(9):1284–6 (Eng. Abstr.) **(Jpn)**

PSYCHOLOGY

Possible personality problems among 10–year–old spina bifida children. Tew B, et al. **Child Care Health Dev** 1985 Nov–Dec;11(6):375–90
Distractibility and vocabulary deficits in children with spina bifida and hydrocephalus. Horn DG, et al. **Dev Med Child Neurol** 1985 Dec;27(6):713–20
Gender and spina bifida—some misconceptions. Loston AP. **Z Kinderchir** 1985 Dec;40 Suppl 1:34–6
The self concept of adolescents with spina bifida. Pearson

A, et al. **Z Kinderchir** 1985 Dec;40 Suppl 1:27–30

RADIOGRAPHY

Spina bifida occulta: lesion or anomaly? Boone D, et al. **Clin Radiol** 1985 Mar;36(2):159–61

Occult spinal dysraphism. Case report and review of the literature. Thompson WF, et al. **Orthopedics** 1986 Mar; 9(3):402–6

[Spina bifida of the atlas in routine neuroradiologic diagnosis] Sachse J. **Psychiatr Neurol Med Psychol Beih** 1969; 10–11:25–9 **(Ger)**

[Spina bifida anterior atlantis—misinterpretation of a congenital abnormality as a dens fracture] Kocks W, et al. **Unfallchirurg** 1986 Mar;89(3):142–4 **(Ger)**

REHABILITATION

The Tatro case: who gets what and why. Vitello SJ. **Except Child** 1986 Jan;52(4):353–6

Portable modular transducer system for the measurement of stabilizing forces in TLS-HKA orthoses. Thornett CE, et al. **J Biomed Eng** 1986 Jul;8(3):224–8

Promoting independence in adolescent paraplegics: a 2-week "camping" experience.Bodzioch J, et al. **J Pediatr Orthop** 1986 Mar–Apr;6(2):198–201

SURGERY

The results of a selective surgical policy on the cognitive abilities of children with spina bifida. Tew B, et al. **Dev Med Child Neurol** 1985 Oct;27(5):606–14

[Tactics of an orthopedist in congenital spinal deformities associated with diastematomyelia] Ul'rikh EV, et al. **Ortop Travmatol Protez** 1985 Aug;(8):43–4 **(Rus)**

THERAPY

Management of spina bifida and associated anomalies. McLaurin RL, et al. **Compr Ther** 1986 Feb;12(2):60–5

SPINA BIFIDA CYSTICA see **MENINGOMYELOCELE**

SPINAL ACCESSORY NERVE see **ACCESSORY NERVE**

SPINAL CANAL

Comparison of somatosensory evoked responses from root and cord recorded by skin and epidural electrodes using stimulation of the median nerve in cervical radiculopathy and radiculomyelopathy. Heiskari M, et al. **Acta Neurochir (Wien)** 1986;79(2–4):114–9

Monitoring maternal heart rate during epidural injection of a test dose containing epinephrine [letter] Chestnut DH, et al. **Anesthesiology** 1986 Jun;64(6):839–40

Use of the epidural blood patch in the treatment of chronic headaches [letter] Parris WC. **Anesthesiology** 1986 Sep; 65(3):344

Epidural blood patch: evaluation of the volume and spread of blood injected into the epidural space. Szeinfeld M, et al. **Anesthesiology** 1986 Jun;64(6):820–2

Spinal extradural angiolipoma. A case report and literature review. Griebel RW, et al. **Spine** 1986 Jan–Feb;11(1):47–8

Cervical spondylotic radiculomyelopathy caused by athetoid–dystonic cerebral palsy—clinical evaluation of 2 cases] Wang PY, et al. **Taiwan I Hsueh Hu Tsa Chih** 1985 Aug;84(8):986–94

A method for reliable and simultaneous cannulation of the epidural and subarachnoid spaces in pigs. A tool for the study of cerebrospinal fluid pharmacokinetics and drug penetration of the dura mater. Gordh T, et al. **Ups J Med Sci** 1986;91(1):111–5

[Conservative treatment with abundant irrigations of the epidural space in a case of suppurative epiduritis] Nanulescu M, et al. **Rev Med Interna [Neurol Psihiatr]** 1985 Oct–Dec; 30(4):273–4 **(Rum)**

[Identification of the epidural space] Manturov AI. **Anesteziol Reanimatol** 1986 Jan–Feb;(1):54–5 (Eng. Abstr.) **(Rus)**

[Selection of a method of epidural administration of drugs at the lumbosacral level] Margolin GA, et al. **Zh Nevropatol Psikhiatr** 1986;86(4):501–3 (Eng. Abstr.) **(Rus)**

[Clinico-roentgenologic diagnosis of spinal arachnoiditis and epiduritis] Sipukhin IaM, et al. **Zh Nevropatol Psikhiatr** 1985;85(12):1792–6 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Poor growth prior to early childhood: decreased health and life-span in the adult. Clark GA, et al. **Am J Phys Anthropol** 1986 Jun;70(2):145–60

The width of the posterior epidural space in obstetric patients [letter] Nickalls RW, et al. **Anaesthesia** 1986 Apr; 41(4):432–3

Absence of the central canal and its obliterative process in the house shrew spinal cord (Suncus murinus). Isomura G, et al. **Anat Anz** 1986;161(4):285–96

The dorsomedian connective tissue band in the lumbar epidural space of humans: an anatomical study using epiduroscopy in autopsy cases. Blomberg R. **Anesth Analg** 1986 Jul;65(7):747–52

The sagittal diameter of the lumbar vertebral canal in normal adult Nigerians. Amonoo-Kuofi HS. **J Anat** 1985 Jan;140 (Pt 1):69–78

The topographical anatomy of the lumbar epidural space. Parkin IG, et al. **J Anat** 1985 Aug;141:211–7

Quantitative anatomy of the thoracolumbar epidural space. Reynolds AF Jr, et al. **Neurosurgery** 1985 Dec;17(6):905–7

Appearance of Pantopaque on MR images. Mamourian AC, et al. **Radiology** 1986 Feb;158(2):457–60

The reliability of measurements of the lumbar spine using ultrasound B-scan. Battié MC, et al. **Spine** 1986 Mar; 11(2):144–8

[Segmentation of the lumbar radicular canal] Chirossel JP, et al. **Neurochirurgie** 1986;32(1):25–36 (Eng. Abstr.) **(Fre)**

[Distance from the skin to the lumbar epidural space in a parturient] Oka N, et al. **Masui** 1985 Nov;34(11):1510–4 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Microscopic epidural lesions in goats given repeated epidural injections of morphine: use of a modified autopsy procedure. Larsen JJ, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Jan;58(1):5–10

PATHOLOGY

Neck extension as a cause of SIDS. Saternus KS, et al. **Forensic Sci Int** 1986 Jul 14;31(3):167–74

Herniated lumbar disc syndrome and vertebral canals. Heliövaara M, et al. **Spine** 1986 Jun;11(5):433–5

A biomechanical study of thoracolumbar spine fractures with bone in the canal. Part III. Mechanical properties of the dura and its tethering ligaments. Tencer AF, et al. **Spine** 1985 Oct;10(8):741–7

[The histo-pathological changes in the epidural space and changes in the effect of anesthesia after long-term continuous epidural block] Nagaro T. **Masui** 1986 Feb; 35(2):227–35 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Radiographic versus direct measurements of the spinal canal at lumbar vertebrae L3–L5 and their relations to age and body stature. Leiviskä T, et al. **Acta Radiol [Diagn] (Stockh)** 1985 Jul–Aug;26(4):403–11

Epidermoid tumor: an unusual cause of ossification within the spinal canal. Willinsky RA, et al. **J Can Assoc Radiol** 1986 Mar;37(1):56–9

The use of computed tomography of the spine to identify patients at high risk for epidural metastases. Weissman DE, et al. **J Clin Oncol** 1985 Nov;3(11):1541–4

CT demonstration of fistula between esophageal carcinoma and spinal canal. Cornwell J, et al. **J Comput Assist Tomogr** 1986 Sep–Oct;10(5):871–3

Quantitative analysis of the cervical spinal canal by computed tomography. Stanley JH, et al. **Neuroradiology** 1986; 28(2):139–43

Quantitative assessment of the fifth lumbar spinal canal by computed tomography in symptomatic L4–L5 disc disease. Kornberg M, et al. **Spine** 1985 May;10(4):328–30

The pathomorphology of spinal stenosis as seen on CT scans of the lumbar spine. Schonstrom NS, et al. **Spine** 1985 Nov; 10(9):806–11

Radiographic measurements of lumbar spinal canal size and their relation to back mobility. Vanharanta H, et al. **Spine** 1985 Jun;10(5):461–6

[Myelographic study of space-occupying lesions in the spinal canal] Tao K. **Chung Hua Fang She Hsueh Tsa Chih** 1985 Jun;19(3):145–8 (Eng. Abstr.) **(Chi)**

[Structuralist analysis of the transverse canal] Wackenheim A, et al. **Ann Radiol (Paris)** 1986;29(1):61–5 (Eng. Abstr.) **(Fre)**

[X-ray computed tomographic detection of foraminal neurinoma. Apropos of a case] Cordoliani YS, et al. **J Radiol** 1985 Nov;66(11):673–7 (Eng. Abstr.) **(Fre)**

[X-ray computed tomography of the intervertebral foramen] Schubiger O, et al. **Neurochirurgie** 1986;32(1):58–61 **(Fre)**

[Significance of spinal phlebography in neuroradiology of the spinal canal] Giercke K, et al. **Psychiatr Neurol Med Psychol Beih** 1969;10–11:40–3 **(Ger)**

[Symptom-poor intervertebral disk injuries in the pneumomyelographic image. Critical observations on the indications for pneumomyelographic demonstration of the spinal canal] Lehmann W. **Psychiatr Neurol Med Psychol Beih** 1969;10–11:36–40 **(Ger)**

[Possibilities for preventing complications of epidurography] Margolin GA, et al. **Zh Vopr Neirokhir** 1986 Jan–Feb; (1):50–2 (Eng. Abstr.) **(Rus)**

SURGERY

Posterolateral approach and anterior spinal canal recalibration in severe spinal injury affecting T-12, L-1: a study of seven cases. Richaud J, et al. **Neurosurgery** 1986 Aug;19(2):218–27

SPINAL CORD

see related
CHORDOTOMY
MYELOGRAPHY

Influence of spinal cord stimulation on peripheral blood flow. Broseta J, et al. **Appl Neurophysiol** 1985;48(1–6):367–70

Bipolar spinal cord stimulation for spasmodic torticollis. Dieckmann G, et al. **Appl Neurophysiol** 1985; 48(1–6):339–46

Electrical stimulation of the cervical spinal cord increases cerebral blood flow in humans. Hosobuchi Y. **Appl Neurophysiol** 1985;48(1–6):372–6

Spinal cord stimulation in the treatment of spasmodic torticollis. Waltz JM, et al. **Appl Neurophysiol** 1985; 48(1–6):324–38

Spinal cord stimulation in peripheral arterial disease. A cooperative study. Broseta J, et al. **J Neurosurg** 1986 Jan; 64(1):71–80

Totally implantable spinal cord stimulation for chronic pain: design and efficacy. Shatin D, et al. **PACE** 1986 Jul; 9(4):577–83

Delayed effects from retained foreign bodies in the spine and spinal cord. Wu WQ. **Surg Neurol** 1986 Mar;25(3):214–8

[Lumbosacral fibrosis (spinal epiduro-arachnoiditis) and its treatment by spinal cord electrostimulation] Siegfried J. **Neurochirurgie** 1986;32(1):56–7 **(Fre)**

ABNORMALITIES

Tethered cord syndrome in an adult. Pharmacological treatment of the urological symptomatology by oxybutynin. De Angelis M, et al. **Acta Urol Belg** 1986;54(1):99–105

Spinal cord abnormalities in congenital scoliosis. Blake NS, et al. **Ann Radiol (Paris)** 1986;29(3–4):377–9

Nephrosis and disturbances of neuronal migration in male siblings—a new hereditary disorder? Palm L, et al. **Arch Dis Child** 1986 Jun;61(6):545–8

Transplacental induction of myeloschisis associated with hindbrain crowding and other malformations in the central nervous system in Long-Evans rats. Sato K, et al. **Childs Nerv Syst** 1985;1(3):137–44

Congenital malformations of the spinal cord without early symptoms. Moffie D, et al. **Clin Neurol Neurosurg** 1986; 88(1):27–37

Urological aspects of the tethered cord syndrome. Hellstrom WJ, et al. **J Urol** 1986 Feb;135(2):317–20

Bladder dysfunction secondary to tethered cord syndrome in adults: is it curable? Kondo A, et al. **J Urol** 1986 Feb; 135(2):313–6

The cervical cord of children with meningomyelocele. Emery JL. **Spine** 1986 May;11(4):318–22

[The tethered cord syndrome] Bode H, et al. **Klin Padiatr** 1985 Sep–Oct;197(5):409–14 (Eng. Abstr.) **(Ger)**

[Isolated spinal cord aplasia (amyelia) simulating symptoms of respiratory distress syndrome] Kárpáti F, et al. **Orv Hetil** 1986 Apr 6;127(14):833–4 (Eng. Abstr.) **(Hun)**

[Experimental production of myeloschisis associated with hindbrain crowding in the central nervous system of rat fetuses by a single intragastric administration of ethylenethiourea] Nakagata N, et al. **Jikken Dobutsu** 1985 Oct;34(4):387–98 (Eng. Abstr.) **(Jpn)**

ANALYSIS

The levels of nonesterified fatty acids in the spinal cord. Sklenovský A, et al. **Acta Univ Palacki Olomuc Fac Med** 1985;112:313–8

Clustering of phosphorylated amino acid residues in neurofilament proteins as revealed by 31P NMR. Zimmerman UJ, et al. **Biochemistry** 1986 Jun 17; 25(12):3533–6

VIP-like and GFAP-like immunoreactivities in the chicken lumbo-sacral spinal cord. Nicolardi G, et al. **Boll Soc Ital Biol Sper** 1985 Sep 30;61(9):1231–8

The distribution of transferrin immunoreactivity in the rat central nervous system. Connor JR, et al. **Brain Res** 1986 Mar 19;368(2):319–28

Distribution and chromatographic characterization of neuromedin B-like immunoreactivity in the human spinal cord. Namba M, et al. **Brain Res** 1985 Sep 2;342(1):183–6

Regional distribution of substance P, neurokinin alpha and neurokinin beta in rat spinal cord, nerve roots and dorsal root ganglia, and the effects of dorsal root section or spinal transection. Ogawa T, et al. **Brain Res** 1985 Dec 16; 359(1–2):152–7

An immunohistochemical study of methionine-enkephalin-Arg6-Gly7-Leu8-like immunoreactivity-containing liquor-contacting neurons (LCNs) in the rat spinal cord. Shimosegawa T, et al. **Brain Res** 1986 Jul 30;379(1):1–9

Characterization of glucocorticoid receptors in whole and cellular subfractions of embryonic chick spinal cord. Weill CL. **Brain Res** 1986 Jun;392(1–2):167–73

Potassium and calcium changes in injured spinal cords. Young W, et al. **Brain Res** 1986 Feb 12;365(1):42–53

Central nervous system myelin of teleosts: comparative electrophoretic analysis of its proteins by staining and immunoblotting. Waehneldt TV, et al. **Comp Biochem Physiol [B]** 1986;84(3):273–8

Periodate oxidation of glycolipids: a borohydride-periodate-Schiff method for ganglioside demonstration in tissue sections. Buk SJ, et al. **Histochem J** 1986 May;18(5):228–32

The dithizone, Timm's sulphide silver and the selenium methods demonstrate a chelatable pool of zinc in CNS. A proton activation (PIXE) analysis of carbon tetrachloride extracts from rat brains and spinal cords intravitally treated

with dithizone. Danscher G, et al. **Histochemistry** 1985; 83(5):419–22
Characterization of the molecular forms of proenkephalin in bovine adrenal medulla and rat adrenal, brain, and spinal cord with a site-directed antiserum. Birch NP, et al. **J Biol Chem** 1986 Sep 15;261(26):12213–21
Neonatal and adult myosin heavy chain isoforms in a nerve–muscle culture system. Ecob-Prince MS, et al. **J Cell Biol** 1986 Sep;103(3):995–1005
alpha-Internexin, a 66-kD intermediate filament-binding protein from mammalian central nervous tissues. Pachter JS, et al. **J Cell Biol** 1985 Oct;101(4):1316–22
Neurofilament proteins in fish: a study with monoclonal antibodies reacting with mammalian NF 150K and NF 200K. Dahl D, et al. **J Comp Neurol** 1986 Aug 15; 250(3):399–402
Vasoactive intestinal polypeptide and substance P in primary afferent pathways to the sacral spinal cord of the cat. Kawatani M, et al. **J Comp Neurol** 1985 Nov 15; 241(3):327–47
Catecholamine innervation of the caudal spinal cord in the rat. Schrøder HD, et al. **J Comp Neurol** 1985 Dec 15; 242(3):358–68
Histochemical localization of galactose-containing glycoconjugates in sensory neurons and their processes in the central and peripheral nervous system of the rat. Streit WJ, et al. **J Histochem Cytochem** 1985 Oct;33(10):1042–52
Characterization of an immunofluorescence technique for the demonstration of coexisting neurotransmitters within nerve fibers and terminals. Wessendorf MW, et al. **J Histochem Cytochem** 1985 Oct;33(10):984–94
Regional distribution of immunoreactive-thyrotrophin-releasing hormone and substance P, and indoleamines in human spinal cord. Bennett GW, et al. **J Neurochem** 1986 Jun;46(6):1718–24
Identification and characterization of neuron-specific and developmentally regulated gene transcripts in the chick embryo spinal cord. Dickson JG, et al. **J Neurochem** 1986 Mar;46(3):787–93
Cross-linking of neurofilament proteins of rat spinal cord in vivo after administration of 2,5-hexanedione. Lapadula DM, et al. **J Neurochem** 1986 Jun;46(6):1843–50
Activation of complement by myelin: identification of C1-binding proteins of human myelin from central nervous tissue. Vanguri P, et al. **J Neurochem** 1986 May; 46(5):1535–41
Major central nervous system myelin glycoprotein of the African lungfish (Protopterus dolloi) cross-reacts with myelin proteolipid protein antibodies, indicating a close phylogenetic relationship with amphibians. Waehneldt TV, et al. **J Neurochem** 1986 May;46(5):1387–91
Concomitant detection of changes in myelin basic protein and permeability of blood–spinal cord barrier in acute experimental autoimmune encephalomyelitis by electroimmunoblotting. Kerlero de Rosbo N, et al. **J Neuroimmunol** 1985 Oct;9(6):349–61
Increased thromboxane level in experimental spinal cord injury. Hsu CY, et al. **J Neurol Sci** 1986 Jul;74(2–3):289–96
Autoradiographic localization of sigma receptor binding sites in guinea pig and rat central nervous system with (+)3H-3-(3-hydroxyphenyl)-N-(1-propyl)piperidine. Gundlach AL, et al. **J Neurosci** 1986 Jun;6(6):1757–70
A protein associated with axon growth, GAP-43, is widely distributed and developmentally regulated in rat CNS. Jacobson RD, et al. **J Neurosci** 1986 Jun;6(6):1843–55
Diversity in the axonal transport of structural proteins: major differences between optic and spinal axons in the rat. McQuarrie IG, et al. **J Neurosci** 1986 Jun;6(6):1593–605
Sensitive double-labeling technique of retrograde biotinized tracer (biotin-WGA) and immunocytochemistry: light and electron microscopic analysis. Shiosaka S, et al. **J Neurosci Methods** 1986 Mar;16(1):9–18
Characterization of antibodies against major fish CNS myelin proteins: immunoblot analysis and immunohistochemical localization of 36K and IP2 proteins in trout nerve tissue. Jeserich G, et al. **J Neurosci Res** 1986;15(2):147–58
Radioimmunoassays for fish tail neuropeptides: II. Development of a specific and sensitive assay for and the occurrence of immunoreactive urotensin II in the central nervous system and blood of Catostomus commersoni. Kobayashi Y, et al. **J Pharmacol Methods** 1986 Jul; 15(4):321–33
Appearance and phosphorylation of the 210 kDalton neurofilament protein in newborn rat brain, spinal cord, and sciatic nerve. Noetzel MJ, et al. **Neurochem Res** 1986 Mar;11(3):363–74
Disturbance of lipid composition in spinal cord of rabbits with experimental allergic encephalomyelitis. Taranova NP. **Neurochem Res** 1985 Nov;10(11):1483–97
Changes in TRH immunoreactivity in spinal cord after experimental spinal injury. Faden AI, et al. **Neuropeptides** 1986 Jan;7(1):11–8
Increased concentrations of uric acid in the spinal cord of rats with chronic relapsing experimental allergic encephalomyelitis. Honegger CG, et al. **Neurosci Lett** 1986 Aug 15;69(1):109–14
The anatomy of neuropeptide-Y-containing neurons in rat brain. Chronwall BM, et al. **Neuroscience** 1985 Aug; 15(4):1159–81
Distribution of neuropeptide Y-like immunoreactivity in the rat central nervous system—II. Immunohistochemical analysis. de Quidt ME, et al. **Neuroscience** 1986 Jul; 18(3):545–618
Distribution of neuropeptide Y-like immunoreactivity in the rat central nervous system—I. Radioimmunoassay and chromatographic characterisation. de Quidt ME, et al. **Neuroscience** 1986 Jul;18(3):527–43
Distribution and localization of neuromedin B-like immunoreactivity in pig, cat and rat spinal cord. Namba M, et al. **Neuroscience** 1985 Aug;15(4):1217–26
Neuromedins: novel smooth-muscle stimulating peptides identified in porcine spinal cord. Minamino N, et al. **Peptides** 1985;6 Suppl 3:245–8
Quantitative distribution of calcitonin gene-related peptide in the rat central nervous system. Skofitsch G, et al. **Peptides** 1985 Nov-Dec;6(6):1069–73
Immunohistochemical and chromatographic studies of peptides with tachykinin-like immunoreactivity in the central nervous system of the lamprey. Van Dongen PA, et al. **Peptides** 1986 Mar-Apr;7(2):297–313
Tachykinin multiplicity in rat central nervous system as studied using antisera raised against substance P and neurokinin A. Brodin E, et al. **Regul Pept** 1986 Feb; 13(3-4):253–72
Peripheral and central origin of Phe-Met-Arg-Phe-amide immunoreactivity in rat spinal cord. Ferrarese C, et al. **Regul Pept** 1986 Feb;13(3-4):245–52
Ontogeny of substance P in the digestive tract, spinal cord and hypothalamus of the human fetus. Paulin C, et al. **Regul Pept** 1986 Apr;14(2):145–53
Immunochemical studies of substance P and cholecystokinin octapeptide recovery in dorsal horn following unilateral lumbosacral ganglionectomy. Micevych PE, et al. **Somatosens Res** 1986;3(3):239–60
[Effects of acupuncture analgesia on the monoamine transmitters levels in the striata and spinal cords in rats] Qian ZN, et al. **Chen Tzu Yen Chiu** 1985;10(3):199–201 (Eng. Abstr.) **(Chi)**
[Distribution of met-enkephalin and its changes in cervical spinal cord and medulla oblongata of dog during operation under acupuncture anaesthesia] Yu Y, et al. **Chen Tzu Yen Chiu** 1985;10(4):289–94 (Eng. Abstr.) **(Chi)**
[Participation of spinal norepinephrine in morphine analgesia in rats] Xie CW, et al. **Sheng Li Hsueh Pao** 1985 Jun; 37(3):258–64 (Eng. Abstr.) **(Chi)**
[Changes in the acetylcholine levels of cervical spinal cord of the rat during general anesthesia] Orsetti M, et al. **Boll Soc Ital Biol Sper** 1985 Sep 30;61(9):1319–25 (Eng. Abstr.) **(Ita)**

ANATOMY & HISTOLOGY

Human zygapophyseal joint synovial folds. Giles LG, et al. **Acta Anat (Basel)** 1986;126(2):110–4
Sonography of the neonatal craniocervical junction. Cramer BC, et al. **AJR** 1986 Jul;147(1):133–9
Absence of the central canal and its obliterative process in the house shrew spinal cord (Suncus murinus). Isomura G, et al. **Anat Anz** 1986;161(4):285–96
An HRP study in the cat of brainstem projections to the spinal cord, with particular reference to sacral afferents. Suzuki K. **Arch Ital Biol** 1985 Jul;123(3):155–70
Longitudinal columnar organization within the dorsal motor nucleus represents separate branches of the abdominal vagus. Fox EA, et al. **Brain Res** 1985 Aug 26;341(2):269–82
Composition and central projections of the pudendal nerve in the rat investigated by combined peptide immunocytochemistry and retrograde fluorescent labelling. Katagiri T, et al. **Brain Res** 1986 May 7;372(2):313–22
Is there morphological separation between the spinal cord motor nuclei which innervate the heads of a multiheaded muscle? Krogh JE, et al. **Brain Res** 1986 Mar 26; 369(1-2):331–5
Spinal neuronal collaterals to the intralaminar thalamic nuclei and periaqueductal gray. Liu RP. **Brain Res** 1986 Feb 12; 365(1):145–50
The vermal projection of spinocerebellar tracts arising from lower cervical segments in the cat: an anterograde WGA-HRP study. Matsushita M, et al. **Brain Res** 1985 Dec 23;360(1-2):389–93
Long ascending projections of the spinal dorsal horn in a teleost, Sebastiscus marmoratus. Murakami T, et al. **Brain Res** 1985 Oct 28;346(1):168–70
An autoradiographic study of the spinofacial projection in the monkey. Nakano K, et al. **Brain Res** 1986 May 7; 372(2):338–44
Motor, sympathetic and sensory innervation of rat skeletal muscles. Peyronnard JM, et al. **Brain Res** 1986 May 14; 373(1-2):288–302
Distribution of corticospinal motor fibres within the cervical spinal cord with special reference to the phrenic nucleus: a WGA-HRP anterograde transport study in the cat. Rikard-Bell GC, et al. **Brain Res** 1986 Jul 30;379(1):75–83
Amygdalospinal projections in the cat. Sandrew BB, et al. **Brain Res** 1986 May 14;373(1-2):235–9
Localization of the spinal accessory motoneurons in the cervical cord in connection with the phrenic nucleus: an HRP study in cats. Satomi H, et al. **Brain Res** 1985 Oct 7;344(2):227–30
Specificity of spinal projections from hypothalamic and brainstem areas which innervate sympathetic preganglionic neurons. Tucker DC, et al. **Brain Res** 1985 Dec 23; 360(1-2):159–64
Spinocerebellar projection fields in the horizontal plane of lobules of the cerebellar anterior lobe in the cat: an anterograde wheat germ agglutinin-horseradish peroxidase study. Yaginuma H, et al. **Brain Res** 1986 Feb 19; 365(2):345–9
Neural relations of cremaster motoneurons, spinal cord systems and the genitofemoral nerve in the rat. Nagy JI, et al. **Brain Res Bull** 1985 Dec;15(6):609–27
Synaptic organization of dorsal root projections to lumbar motoneurons in the clawed toad (Xenopus laevis). Shiriaev BI, et al. **Exp Brain Res** 1986;63(1):135–42
An anatomical landmark for procedures on rat thoracic spinal cord. de Medinaceli L. **Exp Neurol** 1986 Feb;91(2):404–8
Origin and distribution of phrenic primary afferent nerve fibers in the spinal cord of the adult rat. Goshgarian HG, et al. **Exp Neurol** 1986 Jun;92(3):624–38
Overlap of segmental populations and axon collaterals in the thoracic sympathetic system of the cat. Pardini BJ, et al. **J Auton Nerv Syst** 1985 Sep;14(1):1–11
Anatomical and pathoanatomical studies on the spinal efferent systems innervating pelvic structures. 1. Organization of spinal nuclei in animals. 2. The nucleus X-pelvic motor system in man. Schrøder HD. **J Auton Nerv Syst** 1985 Sep;14(1):23–48 (97 ref.)
The pattern of spinal and medullary projections from a cutaneous nerve and a muscle nerve of the forelimb of the cat: a study using the transganglionic transport of HRP. Abrahams VC, et al. **J Comp Neurol** 1986 Apr 1; 246(1):70–84
Bulbospinal projections in the primate: a light and electron microscopic study of a pain modulating system. Basbaum AI, et al. **J Comp Neurol** 1986 Aug 15;250(3):311–23
Funicular trajectories of brainstem neurons projecting to the lumbar spinal cord in the monkey (Macaca fascicularis): a retrograde labeling study. Carlton SM, et al. **J Comp Neurol** 1985 Nov 15;241(3):382–404
Unmyelinated primary afferent fibers in dorsal funiculi of cat sacral spinal cord. Chung KS, et al. **J Comp Neurol** 1985 Aug 15;238(3):365–9
Specificity of motoneuron projection patterns during development of the bullfrog tadpole (Rana catesbeiana). Farel PB, et al. **J Comp Neurol** 1985 Aug 1;238(1):128–34
Different neuron populations in the feline lateral cervical nucleus: a light and electron microscopic study with the retrograde axonal transport technique. Flink R, et al. **J Comp Neurol** 1986 Aug 15;250(3):265–81
Location of motoneurones projecting to the cat distal forelimb. I. Deep radial motornuclei. Fritz N, et al. **J Comp Neurol** 1986 Feb 15;244(3):286–301
Location of motoneurones projecting to the cat distal forelimb. II. Median and ulnar motornuclei. Fritz N, et al. **J Comp Neurol** 1986 Feb 15;244(3):302–12
The spinothalamic system of the rat. I. Locations of cells of origin. Granum SL. **J Comp Neurol** 1986 May 8; 247(2):159–80
Somatostatin-like immunoreactivity in neurons, nerve terminals, and fibers of the cat spinal cord. Krukoff TL, et al. **J Comp Neurol** 1986 Jan 1;243(1):13–22
The cerebellar and vestibular nuclear complexes in the turtle. I. Projections to mesencephalon, rhombencephalon, and spinal cord. Künzle H. **J Comp Neurol** 1985 Dec 1; 242(1):102–21
Nucleus z in the rat: spinal afferents from collaterals of dorsal spinocerebellar tract neurons. Low JS, et al. **J Comp Neurol** 1986 Jan 22;243(4):510–26
The spinal distribution of sympathetic preganglionic and visceral primary afferent neurons that send axons into the hypogastric nerves of the cat. Morgan C, et al. **J Comp Neurol** 1986 Jan 1;243(1):23–40
The distribution and morphology of parasympathetic preganglionic neurons in the cat sacral spinal cord as revealed by horseradish peroxidase applied to the sacral ventral roots. Nadelhaft I, et al. **J Comp Neurol** 1986 Jul 1;249(1):48–56
Origin and central projections of rat dorsal penile nerve: possible direct projection to autonomic and somatic neurons by primary afferents of nonmuscle origin. Núñez R, et al. **J Comp Neurol** 1986 May 22;247(4):417–29
The somatotopic organization of forelimb cutaneous nerves in the brachial dorsal horn: an anatomical study in the cat. Nyberg G, et al. **J Comp Neurol** 1985 Dec 1;242(1):28–39
Dorsal funicular projections to the dorsal column nucleus in a reptile, Caiman crocodilus. Pritz MB, et al. **J Comp Neurol** 1986 Jul 1;249(1):1–12
The terminations of corticospinal tract axons in the macaque monkey. Ralston DD, et al. **J Comp Neurol** 1985 Dec 15; 242(3):325–37
The structure of the brainstem and cervical spinal cord in lungless salamanders (family plethodontidae) and its relation to feeding. Roth G, et al. **J Comp Neurol** 1985 Nov 1;241(1):99–110
Dendrite distribution of identified motoneurons in the lumbar spinal cord of the turtle Pseudemys scripta elegans. Ruigrok TJ, et al. **J Comp Neurol** 1985 Aug 15;238(3):275–85
Spinal projections to the lateral reticular nucleus in the rat: a retrograde labelling study using horseradish peroxidase. Shokunbi MT, et al. **J Comp Neurol** 1985 Sep 8; 239(2):216–26
Sensory neurons supplying touch domes near the body midlines project bilaterally in the thoracic spinal cord of rats. Smith CL. **J Comp Neurol** 1986 Mar 22;245(4):541–52
The transient corticospinal projection from the occipital cortex during the postnatal development of the rat.

Stanfield BB, et al. **J Comp Neurol** 1985 Aug 8; 238(2):236–48

Ultrastructure of spinal efferents to the lateral reticular nucleus: an EM study using anterograde transport of WGA–HRP complex. Westman J, et al. **J Comp Neurol** 1986 Apr 15;246(3):301–11

Organization of motor pools supplying the cervical musculature in a cryptodyran turtle, Pseudemys scripta elegans. II. Medial motor nucleus and muscles supplied by two motor nuclei. Yeow MB, et al. **J Comp Neurol** 1986 Jan 8;243(2):166–81

Organization of motor pools supplying the cervical musculature in a cryptodyran turtle, Pseudemys scripta elegans. I. Dorsal and ventral motor nuclei of the cervical spinal cord and muscles supplied by a single motor nucleus. Yeow MB, et al. **J Comp Neurol** 1986 Jan 8;243(2):145–65

Morphology of the cells of origin of descending pathways to the spinal cord in Rana esculenta. A tracing study using cobaltic–lysine complex. Tóth P, et al. **J Hirnforsch** 1985; 26(4):365–83

The direct connections of the C2 dorsal root ganglia in the Macaca irus monkey: relevance to the chiropractic profession. Fitz–Ritson D. **J Manipulative Physiol Ther** 1985 Sep;8(3):147–56

The location of descending fibres to sympathetic neurons supplying the eye and sudomotor neurons supplying the head and neck. Nathan PW, et al.
J Neurol Neurosurg Psychiatry 1986 Feb;49(2):187–94

The detailed somatotopic organization of the dorsal horn in the lumbosacral enlargement of the cat spinal cord. Wilson P, et al. **J Neurophysiol** 1986 Mar;55(3):604–17

Autoradiographic evidence for dopaminergic innervation in guinea pig spinal cord. Kondo M, et al.
Jpn J Pharmacol 1985 Aug;38(4):442–4

Convergence on the same neurons in the feline ventrobasal thalamus of terminals from the dorsal column and the lateral cervical nuclei: an ultrastructural study combining orthograde degeneration and anterograde axonal transport of lectin conjugated horseradish peroxidase. Flink R, et al. **Neurosci Lett** 1985 Nov 11;61(3):243–8

Spatial organization within rat motoneuron pools. Hardman VJ, et al. **Neurosci Lett** 1985 Oct 10;60(3):325–9

Descending serotonergic fibers in the dorsolateral and ventral funiculi of cat spinal cord. Hylden JL, et al.
Neurosci Lett 1985 Dec 18;62(3):299–304

A spinal projection of serotonergic neurons of the locus coeruleus in the cat. Lai YY, et al. **Neurosci Lett** 1985 Jul 31;58(2):159–64

Propriospinal fibers reaching the lumbar enlargement in the rat. Menétrey D, et al. **Neurosci Lett** 1985 Jul 31; 58(2):257–61

A long ascending pathway of enkephalin–like immunoreactive spinoreticular neurons in the rat. Nahin RL, et al. **Neurosci Lett** 1986 Apr 24;65(3):271–6

Central projections of the radial nerve and of one of its cutaneous branches in the pigeon. Necker R, et al.
Neurosci Lett 1985 Aug 5;58(3):271–6

Anatomical evidence that the pontine lateral tegmental field projects to lamina I of the caudal spinal trigeminal nucleus and spinal cord and to the Edinger–Westphal nucleus in the cat. Tan J, et al. **Neurosci Lett** 1986 Mar 14;64(3):317–22

Contralateral termination of pudendal nerve fibers in the gracile nucleus of the rat. Ueyama T, et al.
Neurosci Lett 1985 Nov 20;62(1):113–7

The projection of low–threshold muscle afferents of the forelimb to the main and external cuneate nuclei of the monkey. Hummelsheim H, et al. **Neuroscience** 1985 Dec; 16(4):979–87

A qualitative and quantitative analysis of the distributions of cells in the spinal cord and spinomedullary junction projecting to the thalamus of the rat. Kemplay SK, et al.
Neuroscience 1986 Mar;17(3):769–89

Projections from the paratrigeminal nucleus and the medullary and spinal dorsal horns to the peribrachial area in the cat. Panneton WM, et al. **Neuroscience** 1985 Jul; 15(3):779–97

[The forelimb points project to the central nerve system] Li RW, et al. **Chen Tzu Yen Chiu** 1985;10(2):137–42 (Eng. Abstr.) **(Chi)**

[A procedure for the determination of spinal cord length in vivo] Balogh B, et al. **Gegenbaurs Morphol Jahrb** 1986; 132(3):421–8 (Eng. Abstr.) **(Ger)**

[Comparative anatomical study of the dia– and metazonal abdominal pterygial muscles and related nerves of the Mustelus shark] Tanaka S, et al. **Kaibogaku Zasshi** 1985 Apr;60(2):78–89 (Eng. Abstr.) **(Jpn)**

[The neonatal spinal cord examined by ultrasonography] Kawahara H, et al. **No To Hattatsu** 1985 Nov;17(6):590–2 **(Jpn)**

[Length of the spinal dural sac, sex differences and correlation with the length of the spinal cord and vertebral column in adults] Nikolenko VN.
Arkh Anat Gistol Embriol 1985 Jun;88(6):23–5 (Eng. Abstr.) **(Rus)**

[The reticulo–spinal system. I. Structural organization in chordates at various levels of evolution] Pavlásek J.
Cesk Fysiol 1986;35(3):224–39 **(Slo)**

[Spinal cord segmentation in the dog] Salazar I, et al.
Trab Inst Cajal 1984;75(1–4):59–71 (Eng. Abstr.) **(Spa)**

BLOOD SUPPLY

Ischaemic injury to the spinal cord as a complication to abdominal aortic surgery. Paaschburg Nielsen B.
Acta Chir Scand 1985;151(5):433–5

Cerebro–spinal infarction caused by atheromatous emboli. Yutani C, et al. **Acta Pathol Jpn** 1985 Jul;35(4):789–801

Function and electronmicroscopic structure of anterior horn cells during graduated temporary ischemia (movie film). Blasius W, et al. **Adv Exp Med Biol** 1985;191:163–71

Lumbar and thoracic spinal cord oxygen tension during aortic cross–clamping. Wadouh F, et al.
Adv Exp Med Biol 1985;191:173–80

Spinal myoclonus and clinical worsening after intravenous contrast medium in a patient with spinal arteriovenous malformation. Casazza M, et al. **AJNR** 1985 Nov–Dec; 6(6):965–6

Embolization of intramedullary arteriovenous malformations of the spinal cord. Horton JA, et al. **AJNR** 1986 Jan–Feb; 7(1):113–8

Application and limitation of somatosensory evoked potential monitoring during thoracic aortic aneurysm surgery: a case report. Takaki O, et al. **Anesthesiology** 1985 Dec; 63(6):700–3

Cross–clamping of the thoracic aorta. Influence of aortic shunts, laminectomy, papaverine, calcium channel blocker, allopurinol, and superoxide dismutase on spinal cord blood flow and paraplegia in baboons. Svensson LG, et al.
Ann Surg 1986 Jul;204(1):38–47

Role of free radical scavenger in protection of spinal cord during ischemia. Coles JC, et al. **Ann Thorac Surg** 1986 May;41(5):551–6

Spinal cord infarction following intraaortic balloon support. Harris RE, et al. **Ann Thorac Surg** 1986 Aug;42(2):206–7

Prevention of reperfusion injury of the ischemic spinal cord: use of recombinant superoxide dismutase. Lim KH, et al.
Ann Thorac Surg 1986 Sep;42(3):282–6

Somatosensory evoked potentials in the detection of spinal cord ischemia in aortic coarctation repair. Pollock JC, et al. **Ann Thorac Surg** 1986 Mar;41(3):251–4

Spinal cord blood flow following sub–arachnoid lidocaine. Kozody R, et al. **Can Anaesth Soc J** 1985 Sep;32(5):472–8

Spinal cord infarction in disease and surgery of the aorta. Ross RT. **Can J Neurol Sci** 1985 Nov;12(4):289–95 (79 ref.)

Spinal cord blood flow measured with microspheres following spinal cord injury in the rat. Wallace MC, et al. **Can J Neurol Sci** 1986 May;13(2):91–6

Arteriovenous malformation of the spinal cord in a 17–month–old child. Tada T, et al. **Childs Nerv Syst** 1985; 1(5):298–301

Acute spinal cord ischemia: prevention of paraplegia with verapamil. Gelbfish JS, et al. **Circulation** 1986 Sep;74(3 Pt 2):I5–10

Prevention of paraplegia secondary to operations on the aorta. Connolly JE. **J Cardiovasc Surg (Torino)** 1986 Jul–Aug;27(4):410–7

Sudden paralysis in pregnancy due to spinal cord vascular accidents. Collins JH, et al. **J La State Med Soc** 1986 Jan; 138(1):44–8

Giant cell arteritis with spinal cord infarction and basilar artery thrombosis. Gibb WR, et al.
J Neurol Neurosurg Psychiatry 1985 Sep;48(9):945–8

Vascular permeability in experimental spinal cord injury. Hsu CY, et al. **J Neurol Sci** 1985 Oct;70(3):275–82

A pharmacological analysis of the pathophysiological mechanisms of posttraumatic spinal cord ischemia. Hall ED, et al. **J Neurosurg** 1986 Jun;64(6):951–61

Protection against experimental ischemic spinal cord injury. Robertson CS, et al. **J Neurosurg** 1986 Apr;64(4):633–42

Surgical treatment of cryptic AVM's and associated hematoma in the brain stem and spinal cord. Veerapen RJ, et al. **J Neurosurg** 1986 Aug;65(2):188–93

Embolization of vascular malformations of the spinal cord. Scialfa G, et al. **J Neurosurg Sci** 1985 Jan–Mar;29(1):1–9

Relationship of spinal cord blood flow to vascular anatomy during thoracic aortic cross–clamping and shunting. Svensson LG, et al. **J Thorac Cardiovasc Surg** 1986 Jan; 91(1):71–8

The mechanism of spinal cord injury after simple and double aortic cross–clamping. Wadouh F, et al.
J Thorac Cardiovasc Surg 1986 Jul;92(1):121–7

Spinal cord ischemia following operations on the abdominal aorta. Picone AL, et al. **J Vasc Surg** 1986 Jan;3(1):94–103

Disturbance of the circulation in the spinal cord with epidural neoplasm. Kato A. **Med J Osaka Univ** 1985 Mar; 35(3–4):63–71

Influence of blood sera from dogs subjected to ischemia and recirculation on incorporation of 14C–amino acids in vitro. Chavko M, et al. **Neurochem Res** 1986 Jun;11(6):869–75

The fine structure of granular endoplasmic reticulum in neurons and 14C–leucine incorporation into proteins in spinal ganglia of dog after ischemia. Orendáčová J, et al.
Neuropatol Pol 1985;23(4):465–74

Common origin of the arterial blood flow for an arteriovenous medullar fistula and the anterior spinal artery: a case report. Clavier E, et al. **Neurosurgery** 1986 May;18(5):660–3

Somatosensory evoked potential monitoring of spinal cord ischemia during aortic operations. Kaplan BJ, et al.
Neurosurgery 1986 Jul;19(1):82–90

Subarachnoid hemorrhage due to anterior spinal artery aneurysm. Smith BS, et al. **Neurosurgery** 1986 Feb; 18(2):217–9

Failure of naloxone to improve spinal cord blood flow and cardiac output after spinal cord injury. Wallace MC, et al. **Neurosurgery** 1986 Apr;18(4):428–32

Classification of spinal cord vascular malformations. Riche MC, et al. **Radiat Med** 1985 Jan–Mar;3(1):17–24

Spinal arteriovenous malformations: advances in therapeutic embolization. Théron J, et al. **Radiology** 1986 Jan; 158(1):163–9

Spinal cord anatomy of the baboon—comparison with man and implications for spinal cord blood flow during thoracic aortic cross–clamping. Svensson LG, et al.
S Afr J Surg 1986 Mar;24(1):32–4

The influence of induced hypotension and spine distraction on canine spinal cord blood flow. Kling TF Jr, et al.
Spine 1985 Dec;10(10):878–83

The influence of trimethaphan (Arfonad)–induced hypotension with and without spine distraction on canine spinal cord blood flow. Kling TF Jr, et al. **Spine** 1986 Apr; 11(3):219–24

Arteriovenous malformations of the spinal cord in the pediatric age group. Case report and review of the literature. Padovani R, et al. **Spine** 1986 Jan–Feb;11(1):23–5

Studies of the influence of biogenic amines on central nervous system ischemia. Zivin JA, et al. **Stroke** 1986 May–Jun; 17(3):509–14

[Percutaneous transfemoral catheterization in selective spinal angiography: report of 12 cases] Ma LT, et al.
Chung Hua Wai Ko Tsa Chih 1986 Jan;24(1):13–5, 62 (Eng. Abstr.) **(Chi)**

[Ischemic spinal cord necrosis in epidural anesthesia—a case report] Jacobi K, et al. **Anaesthesiol Reanim** 1985; 10(5):299–305 (Eng. Abstr.) **(Ger)**

[What is your diagnosis? What measures do you recommend?] Jaggy A, et al. **Schweiz Arch Tierheilkd** 1986 Jun; 128(6):323–5 **(Ger)**

[The prevention of spinal cord ischemia during surgery of the thoracic aorta utilizing evoked spinal cord potential—evoked spinal cord potential versus somatosensory evoked potential in spinal ischemic changes] Matsui Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Feb;34(2):172–9 (Eng. Abstr.) **(Jpn)**

[The usefulness and limitation of somatosensory evoked potentials for detection of spinal cord ischemia, during operation of thoracic aortic aneurysms] Oka Y, et al.
Nippon Kyobu Geka Gakkai Zasshi 1986 Jan;34(1):34–9 (Eng. Abstr.) **(Jpn)**

[Changes of microcirculation dynamics in the formation of edema following spinal compression injury in rabbits] Suzuki Y. **Nippon Seikeigeka Gakkai Zasshi** 1985 Jul; 59(7):707–18 (Eng. Abstr.) **(Jpn)**

[Spinal dural AVM—report of three cases] Hida K, et al.
No Shinkei Geka 1986 Mar;14(3 Suppl):361–6 (Eng. Abstr.) **(Jpn)**

[Spinal epidural arteriovenous malformation fed by bilateral internal iliac arteries] Tsuboi K, et al. **No Shinkei Geka** 1986 Mar;14(3 Suppl):417–21 (Eng. Abstr.) **(Jpn)**

[An autopsy case of occlusion of the anterior spinal artery] Kobayashi I, et al. **Rinsho Shinkeigaku** 1986 May; 26(5):443–7 (Eng. Abstr.) **(Jpn)**

[Klippel–Trénaunay–Weber syndrome associated with spinal arteriovenous malformation—a case report] Komatsu Y, et al. **Rinsho Shinkeigaku** 1985 Jul;25(7):830–6 (Eng. Abstr.) **(Jpn)**

[Anterior spinal artery syndrome—as a result of dissecans of the aorta] Yamazaki M, et al. **Rinsho Shinkeigaku** 1985 Nov;25(11):1323–30 (Eng. Abstr.) **(Jpn)**

[Arterial vascularization of the intumescentia lumbalis and conus medullaris] Aleksandrowicz R, et al.
Neurol Neurochir Pol 1985 May–Jun;19(3):253–9 (14 ref.) **(Pol)**

[Pathological changes and their sequelae in the spinal nerve roots, spinal cord and vertebral artery in cervical spondylosis] Jarmundowicz W. **Neurol Neurochir Pol** 1986 Jan–Feb;20(1):59–63 (30 ref.) **(Pol)**

[Diagnosis and treatment of disorders of the spinal blood circulation] Gloriozova TG, et al. **Klin Med (Mosk)** 1986 Apr;64(4):136–40 **(Rus)**

[Changes in the blood vessels of the spinal cord in spinal anomalies] Kir'iakov VA. **Sov Med** 1986;(4):24–8 (Eng. Abstr.) **(Rus)**

[Electroneuromyography in evaluating the efficacy of treatment with physical factors] Amirov RZ, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 1986 Jan–Feb;(1):51–4 (Eng. Abstr.) **(Rus)**

[Classification of vascular diseases of the spinal cord] German DG, et al. **Zh Nevropatol Psikhiatr** 1985;85(9):1288–91 **(Rus)**

[Clinico–electromyographic characteristics of amyotrophic lateral sclerosis and the syndrome of amyotrophic lateral sclerosis of vertebrogenic etiology] Makarov AIu, et al.
Zh Nevropatol Psikhiatr 1986;86(2):182–7 (Eng. Abstr.) **(Rus)**

[Treatment of patients with disorders of spinal circulation using physical factors] Musaev AV, et al.
Zh Nevropatol Psikhiatr 1985;85(8):1155–62 (Eng. Abstr.) **(Rus)**

[Classification of vascular lesions of the brain and spinal cord] Shmidt EV. **Zh Nevropatol Psikhiatr** 1985;85(9):1281–8 **(Rus)**

[Neurological syndrome in dural vascular malformations with drainage into the venous system of the spinal cord] Andersen O, et al. **Lakartidningen** 1985 Dec 11; 82(50):4414–7 (Eng. Abstr.) **(Swe)**

CYTOLOGY

GABA-mediated baroreceptor inhibition of reticulospinal neurons. Sun MK, et al. **Am J Physiol** 1985 Dec;249(6 Pt 2):R672-80

Perineuronal glial nets in the rat spinal cord. A Golgi study. Bodega G, et al. **Arch Histol Jpn** 1985 Dec;48(5):505-10

Electrophysiological studies in cultured mouse CNS neurones of the actions of an agonist and an inverse agonist at the benzodiazepine receptor. Jensen MS, et al. **Br J Pharmacol** 1986 Aug;88(4):717-31

Differential corticospinal projections in the cat. An autoradiographic tracing study. Armand J, et al. **Brain Res** 1985 Sep 23;343(2):351-5

Spinal cord noradrenergic neurons are activated in hypotension. Conlay LA, et al. **Brain Res** 1986 Jun 4; 375(1):210-3

Synaptic connections between spinal motoneurons and dorsal root ganglion cells in the cat. Kayahara T. **Brain Res** 1986 Jun 25;376(2):299-309

Excitation of lateral horn neurons of the neonatal rat spinal cord by 5-hydroxytryptamine. Ma RC, et al. **Brain Res** 1986 Jan;389(1-2):89-98

The distribution and central termination of single cutaneous and muscle unmyelinated fibres in rat spinal cord. McMahon SB, et al. **Brain Res** 1985 Dec 16;359(1-2):39-48

Morphological and histochemical characterization of three types of dopamine-containing neurons in primary cultures of mouse and rat spinal cord. Mariani AP, et al. **Brain Res** 1986 Jun 25;376(2):335-41

Double-labeling of rat alpha-motoneurons for cytochrome oxidase and retrogradely transported [3H]WGA. Mjaatvedt AE, et al. **Brain Res** 1986 Mar 12;368(1):178-82

Somatotopic organization of motoneurons innervating the pronators, carpal and digital flexors and forepaw muscles in the dog: a retrograde horseradish peroxidase study. Mutai M, et al. **Brain Res** 1986 Apr 16;371(1):90-5

4-Aminopyridine induces expansion of cutaneous receptive fields of dorsal horn cells. Semba K, et al. **Brain Res** 1985 Sep 23;343(2):398-402

Light and electron microscopic study of neurones in the feline lateral cervical nucleus with a descending projection. Svensson BA, et al. **Brain Res** 1985 Dec 30;361(1-2):114-24

Cytology of brain stem neurons projecting to the caudal neurosecretory complex: an HRP-electron microscopic study. Miller KE, et al. **Brain Res Bull** 1986 Feb;16(2):183-8

Immunohistochemical investigation of urotensins in the caudal spinal cord of four species of elasmobranchs and the lamprey, Lampetra japonica. Owada K, et al. **Cell Tissue Res** 1985;242(3):527-30

Immunohistochemical localization of urotensin I and other neuropeptides in the caudal neurosecretory system of three species of teleosts and two species of elasmobranchs. Yamada C, et al. **Cell Tissue Res** 1986;244(3):687-90

Generation of electromotor neurons in Sternarchus albifrons: differences between normally growing and regenerating spinal cord. Waxman SG, et al. **Dev Biol** 1985 Dec; 112(2):338-44

Immunohistochemical demonstration of an organized cytoarchitecture of the radial glia in the CNS of the embryonic mouse. Dupouey P, et al. **Dev Neurosci** 1985; 7(2):81-93

Fluorescent double-labelling study of ascending and descending neurones in the feline lateral cervical nucleus. Flink R, et al. **Exp Brain Res** 1986;62(3):479-85

Ascending tract neurons survive spinal cord transection in the neonatal rat. Bryz-Gornia WF Jr, et al. **Exp Neurol** 1986 Jul;93(1):195-210

Corticospinal neurons 25 weeks after right hind limb amputation. Feringa ER, et al. **Exp Neurol** 1986 May; 92(2):398-403

Identification of a second type of catecholaminergic neuron in the spinal cord of the axolotl salamander. Sims TJ. **Exp Neurol** 1986 Aug;93(2):428-33

Mechanical damage to murine neuronal-enriched cultures during harvesting: effects on free fatty acids, diglycerides, Na+,K+-ATPase, and lipid peroxidation. Demediuk P, et al. **In Vitro Cell Dev Biol** 1985 Oct;21(10):569-74

Fluorescent carbocyanine dyes allow living neurons of identified origin to be studied in long-term cultures. Honig MG, et al. **J Cell Biol** 1986 Jul;103(1):171-87

The afferent and sympathetic components of the lumbar spinal outflow to the colon and pelvic organs in the cat. II. The lumbar splanchnic nerves. Baron R, et al. **J Comp Neurol** 1985 Aug 8;238(2):147-57

Morphology of sympathetic preganglionic neurons in the thoracic spinal cord of the cat: an intracellular horseradish peroxidase study. Dembowsky K, et al. **J Comp Neurol** 1985 Aug 22;238(4):453-65

Organization of motoneuronal pools in the rostral spinal cord of the sea robin, Prionotus carolinus. Finger TE, et al. **J Comp Neurol** 1985 Sep 22;239(4):384-90

Identification of distinct topographical distributions of lumbar sympathetic and sensory neurons projecting to end organs with different functions in the cat. Jänig W, et al. **J Comp Neurol** 1986 Apr 1;246(1):104-12

A Golgi study of the neuronal population of the marginal zone (lamina I) of the rat spinal cord. Lima D, et al. **J Comp Neurol** 1986 Feb 1;244(1):53-71

Cutaneous projections from the rat hindlimb foot to the substantia gelatinosa of the spinal cord studied by transganglionic transport of WGA-HRP conjugate. Molander C, et al. **J Comp Neurol** 1985 Jul 22;237(4):476-84

Spinal motoneurons of the larval zebrafish. Myers PZ. **J Comp Neurol** 1985 Jun 22;236(4):555-61

A study of the substance P innervation of the intermediate zone of the thoracolumbar spinal cord. Oldfield BJ, et al. **J Comp Neurol** 1985 Jun 1;236(1):127-40

Morphological features of lamina V neurons receiving nociceptive input in cat sacrocaudal spinal cord. Ritz LA, et al. **J Comp Neurol** 1985 Aug 22;238(4):440-52

The morphology of single lateral vestibulospinal tract axons in the lower cervical spinal cord of the cat. Shinoda Y, et al. **J Comp Neurol** 1986 Jul 8;249(2):226-41

Long ascending projections to the midbrain from cells of lamina I and nucleus of the dorsolateral funiculus of the rat spinal cord. Swett JE, et al. **J Comp Neurol** 1985 Aug 22;238(4):401-16

Cytochemical variations in Purkinje neuron nuclei of cerebellar areas with different afferent systems in Rana esculenta. Comparison between activity and hibernation. Bernocchi G. **J Hirnforsch** 1985;26(6):659-65

Gliogenesis in organotypic tissue culture of the spinal cord of the embryonic mouse. II. Autoradiographic studies. Munoz-Garcia D, et al. **J Neurocytol** 1986 Jun; 15(3):291-302

Gliogenesis in organotypic tissue culture of the spinal cord of the embryonic mouse. I. Immunocytochemical and ultrastructural studies. Munoz-Garcia D, et al. **J Neurocytol** 1986 Jun;15(3):273-90

Synaptic architecture of glomeruli in superficial dorsal horn of rat spinal cord, as shown in serial reconstructions. Ribeiro-da-Silva A, et al. **J Neurocytol** 1985 Apr; 14(2):203-220

Transformation of cells of astrocyte lineage into macrophage-like cells in organotypic cultures of mouse spinal cord tissue. Kusaka H, et al. **J Neurol Sci** 1986 Jan; 72(1):77-89

Infection of cultured rat myotubes and neurons from the spinal cord by rabies virus. Tsiang H, et al. **J Neuropathol Exp Neurol** 1986 Jan;45(1):28-42

Human spinal cord neurons in dissociated monolayer cultures: morphological, biochemical, and electrophysiological properties. Kato AC, et al. **J Neurosci** 1985 Oct;5(10):2750-61

An improved method for the bulk isolation of spinal motoneurones. Engelhardt J, et al. **J Neurosci Methods** 1985 Nov-Dec;15(3):219-27

Improved culture of individual muscle fibres with and without spinal cord explants in a collagen gel. Jay JC, et al. **J Neurosci Methods** 1985 Nov-Dec;15(3):229-34

A neurophysiological analysis of the effect of kainic acid on nerve fibres and terminals in the cat spinal cord. Curtis DR, et al. **J Physiol (Lond)** 1985 Nov;368:99-108

Responses of spinal cord neurones to stimulation of articular afferent fibres in the cat. Schaible HG, et al. **J Physiol (Lond)** 1986 Mar;372:575-93

Motoneurone numbers in rat neonatal lateral motor columns: use of antibody to choline acetyltransferase to identify motoneurones. Bennett MR, et al. **Neurosci Lett** 1986 Jan 2;63(1):101-5

Insulin modulates neuronal plasma membrane development in human fetal spinal cord neurons in culture. Garcia-Segura LM, et al. **Neurosci Lett** 1986 Apr 24; 65(3):283-6

The effect of opioids and of naloxone on Na+,K+-adenosine triphosphatase activity in frog spinal cord membrane fractions. Hájek I, et al. **Neurosci Lett** 1985 Sep 6;59(3):291-5

Evidence for bursting pacemaker neurones in cultured spinal cord cells. Legendre P, et al. **Neuroscience** 1985 Dec; 16(4):753-67

Light and electron microscopy of contacts between primary afferent fibres and neurones with axons ascending the dorsal columns of the feline spinal cord. Maxwell DJ, et al. **Neuroscience** 1985 Oct;16(2):375-94

Calcitonin gene-related peptide: detailed immunohistochemical distribution in the central nervous system. Skofitsch G, et al. **Peptides** 1985 Jul-Aug; 6(4):721-45

Calcitonin gene-related peptide coexists with substance P in capsaicin sensitive neurons and sensory ganglia of the rat. Skofitsch G, et al. **Peptides** 1985 Jul-Aug;6(4):747-54

Localization of urotensin I- and corticotropin-releasing factor-like immunoreactivity in the central nervous system of Catostomus commersoni. Yulis CR, et al. **Peptides** 1986 Jan-Feb;7(1):79-86

The location and characteristics of sympathetic preganglionic neurones in the lower thoracic spinal cord of dog and cat. Bennett JA, et al. **Q J Exp Physiol** 1986 Jan;71(1):79-92

A technique for decalcification and demonstration of substance P-like immunoreactivity. Wakisaka S, et al. **Stain Technol** 1986 Jan;61(1):39-42

[Distribution in the cerebral cortex of neurons projecting into nuclei of the dorsal column. A study in the rat using horseradish peroxidase marking] Giuffrida R, et al. **Boll Soc Ital Biol Sper** 1986 Jan 31;62(1):111-8 (Eng. Abstr.) **(Ita)**

[Investigation of a growth factor for cultured rat fetal spinal motor neurons] Moriwaka F. **Hokkaido Igaku Zasshi** 1986 Mar;61(2):208-19 (Eng. Abstr.) **(Jpn)**

[Age-related changes in the membrane potential of stimulated cells, affecting the mechanism of active ion transport] Tanin SA, et al. **Fiziol Zh** 1985 Jul-Aug;31(4):445-51 (Eng. Abstr.) **(Rus)**

[Ultrastructure of neurons in late ontogenesis] Stupina AS, et al. **Vestn Akad Med Nauk SSSR** 1986;(1):58-67 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

The degree of analgesia correlates to spinal morphine concentration after intrathecal administration in rats. Gustafsson LL, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Apr;58(4):243-8

The variation in action of excitatory amino acids in relation to distance of iontophoretic application to spinal motoneurones. Flatman JA, et al. **Acta Physiol Scand** 1985 Jul;124(3):421-7

Subclinical cervico-spino-bulbar effects of lead: a study of short-latency somatosensory evoked potentials in workers exposed to lead, zinc, and copper. Araki S, et al. **Am J Ind Med** 1986;10(2):163-75

A comparison of the effects of alfentanil applied to the spinal cord and intravenous alfentanil on noxiously evoked activity of dorsal horn neurons in the cat spinal cord. Matsumoto M, et al. **Anesth Analg** 1986 Feb;65(2):145-50

Spinal sufentanil effects on spinal pain-transmission neurons in cats. Aoki M, et al. **Anesthesiology** 1986 Feb;64(2):225-9

An animal model for neuron-specific spinal cord lesions by the microinjection of N-methylaspartate, kainic acid, and quisqualic acid. Pisharodi M, et al. **Appl Neurophysiol** 1985; 48(1-6):226-33

Spinal and locus coeruleus noradrenergic lesions abolish the analgesic effects of 5-methoxy-N,N-dimethyltryptamine. Danysz W, et al. **Behav Neural Biol** 1986 Jul;46(1):71-86

A pharmacological study on respiratory rhythm in the isolated brainstem-spinal cord preparation of the newborn rat. Murakoshi T, et al. **Br J Pharmacol** 1985 Sep; 86(1):95-104

Frequency-dependent action of phenytoin on lamprey spinal axons. Adler EM, et al. **Brain Res** 1986 Jan 8;362(2):271-80

Botulinum A neurotoxin inhibits non-cholinergic synaptic transmission in mouse spinal cord neurons in culture. Bigalke H, et al. **Brain Res** 1985 Dec 23;360(1-2):318-24

Lesions of dorsolateral funiculi (DLF) do not affect the depressive effects of systemic morphine upon dorsal horn convergent neuronal activities related to pain in the rat. Chitour D, et al. **Brain Res** 1986 Jul 9;377(2):397-402

Cyclic AMP or forskolin rapidly attenuates the depressant effects of opioids on sensory-evoked dorsal-horn responses in mouse spinal cord-ganglion explants. Crain SM, et al. **Brain Res** 1986 Apr 2;370(1):61-72

Dibutyryl cyclic guanine monophosphate inhibits natural but not limb amputation-induced motoneurone death in the chick embryo. Douglas JH, et al. **Brain Res** 1986 May; 391(2):271-5

The effects of 4-aminopyridine on the spinal cord: rhythmic discharges recorded from the peripheral nerves. Dubuc R, et al. **Brain Res** 1986 Mar 26;369(1-2):243-59

A differential effect of naloxone on transmission of impulses in primary afferents to ventral roots and ascending spinal tracts. Duggan AW, et al. **Brain Res** 1985 Oct 7; 344(2):316-21

Treatment with GM1 ganglioside increases rat spinal cord indole content. Hadjiconstantinou M, et al. **Brain Res** 1986 Feb 26;366(1-2):343-5

Effects of bath-applied excitatory amino acids and their analogs on spinal interneurons of the lamprey. Homma S. **Brain Res** 1985 Sep 30;344(1):96-102

Altered responsiveness to substance P and 5-hydroxytryptamine in cat dorsal horn neurons after 5-HT depletion with p-chlorophenylalanine. Jeftinija S, et al. **Brain Res** 1986 Mar 12;368(1):107-15

Vasopressin depolarizes lateral horn cells of the neonatal rat spinal cord in vitro. Ma RC, et al. **Brain Res** 1985 Nov 25;348(1):36-43

Calcitonin: brainstem microinjection but not systemic administration inhibits spinal nociceptive transmission in the cat. Morton CR, et al. **Brain Res** 1986 Apr 30; 372(1):149-54

Substance P augments a persistent slow inward calcium-sensitive current in voltage-clamped spinal dorsal horn neurons of the rat. Murase K, et al. **Brain Res** 1986 Feb 19;365(2):369-76

Dorsal horn opiate administration attenuates the perceived intensity of noxious heat stimulation in behaving monkey. Oliveras JL, et al. **Brain Res** 1986 Apr 23;371(2):368-71

Effect of depletion of spinal cord norepinephrine on morphine-induced antinociception. Pang IH, et al. **Brain Res** 1986 Apr 16;371(1):171-6

Spinal cord serotonin release and raised blood pressure after brainstem kainic acid injection. Pilowsky PM, et al. **Brain Res** 1986 Feb 26;366(1-2):354-7

Effects of 4-aminopyridine, GABA and bicuculline on cutaneous receptive fields of cat dorsal horn neurons. Saadé N, et al. **Brain Res** 1985 Oct 7;344(2):356-9

Dermorphin inhibits spinal nociceptive flexion reflex in humans. Sandrini G, et al. **Brain Res** 1986 Apr 23; 371(2):364-7

Selective excitation of neurons in the mammalian spinal dorsal horn by aspartate and glutamate in vitro: correlation with location and excitatory input. Schneider SP, et al. **Brain Res** 1985 Dec 23;360(1-2):339-43

First-order nociceptive synapses in rat dorsal horn are blocked by an amino acid antagonist. Schouenborg J, et al. **Brain Res** 1986 Aug 6;379(2):394-8

Effect of clonidine and gamma-aminobutyric acid on the

discharges of medullo-spinal sympathoexcitatory neurons in the rat. Sun MK, et al. **Brain Res** 1986 Mar 12; 368(1):1-17

5-Hydroxytryptamine (serotonin) causes a reduction in the afterhyperpolarization following the action potential in lamprey motoneurons and premotor interneurons. Van Dongen PA, et al. **Brain Res** 1986 Feb 26;366(1-2):320-5

Evidence that excitatory amino acids not only activate the receptor channel complex but also lead to use-dependent block. Vyklický L, et al. **Brain Res** 1986 Jan 15; 363(1):148-51

Substance P and somatostatin modulate spinal cord excitability via physiologically different sensory pathways. Wiesenfeld-Hallin Z. **Brain Res** 1986 Apr 30;372(1):172-5

Comparative spinal analgesic action of dynorphin1-8, dynorphin1-13, and a kappa-receptor agonist U50,488. Jhamandas K, et al. **Can J Physiol Pharmacol** 1986 Mar; 64(3):263-8

Enkephalin but not morphine modulates the motor activity in the frog spinal cord in vitro. Suzuki T, et al. **Comp Biochem Physiol [C]** 1986;83(2):245-51

Methysergide and spinal inhibition from electrical stimulation in the periaqueductal grey. Foong FW, et al. **Eur J Pharmacol** 1985 Oct 22;116(3):239-48

Intrathecal morphine slows gastrointestinal transit in rats. Koslo RJ, et al. **Eur J Pharmacol** 1985 Dec 17;119(3):243-6

2-Amino-7-phosphonoheptanoic acid depresses gamma-motoneurons and polysynaptic reflexes in the cat spinal cord. Polc P. **Eur J Pharmacol** 1985 Nov 19; 117(3):387-9

Quantitative studies of N-methyl-D-aspartate, 2-amino-5-phosphonovalerate and cis-2,3-piperidine dicarboxylate interactions on the neonatal rat spinal cord in vitro. Wheatley PL, et al. **Eur J Pharmacol** 1986 Feb 18;121(2):257-63

Enhancement by serotonin of tonic vibration and stretch reflexes in the decerebrate cat. Carp JS, et al. **Exp Brain Res** 1986;62(1):111-22

Thyrotropin-releasing hormone (TRH) counteracts neuronal damage induced by a substance P antagonist. Freedman J, et al. **Exp Brain Res** 1986;62(1):175-8

Spontaneous morphine withdrawal from the rat spinal cord. Marshall DC, et al. **Experientia** 1985 Sep 15;41(9):1151-2

The failure of morphine to attenuate spinal cord nociceptive transmission through supraspinal actions in the cat. Sinclair JG. **Gen Pharmacol** 1986;17(3):351-4

Evidence for a spinal site at which opioids may act to inhibit the milk-ejection reflex. Wright DM. **J Endocrinol** 1985 Sep;106(3):401-7

Morphometric, karyometric and cytophotometric studies on spinal cord neurons and glia cells after vincristine administration. Szczech J. **J Hirnforsch** 1985;26(5):565-72

Stimulation-produced spinal inhibition from the midbrain in the rat is mediated by an excitatory amino acid neurotransmitter in the medial medulla. Aimone LD, et al. **J Neurosci** 1986 Jun;6(6):1803-13

Actions of opioids on primate spinothalamic tract neurons. Willcockson WS, et al. **J Neurosci** 1986 Sep;6(9):2509-20

GM1 ganglioside counteracts selective neurotoxin-induced lesion of developing serotonin neurons in rat spinal cord. Fusco M, et al. **J Neurosci Res** 1986;15(4):467-79

Inhibitory action of taurine on motoneuron of frog spinal cord. Kurachi M, et al. **J Pharmacobiodyn** 1985 Sep; 8(9):733-7

Deterioration of spinal reflex in quails orally ingesting clioquinol. Morishita S, et al. **J Pharmacobiodyn** 1985 Sep; 8(9):751-6

Proenkephalin A fragments exhibit spinal and supraspinal opioid activity in vivo. Dray A, et al. **J Pharmacol Exp Ther** 1985 Dec;235(3):670-6

Action at the mu receptor is sufficient to explain the supraspinal analgesic effect of opiates. Fang FG, et al. **J Pharmacol Exp Ther** 1986 Sep;238(3):1039-44

Sodium valproate, but not ethosuximide, produces use- and voltage-dependent limitation of high frequency repetitive firing of action potentials of mouse central neurons in cell culture. McLean MJ, et al. **J Pharmacol Exp Ther** 1986 Jun;237(3):1001-11

Spinal reflexes in chinoform-administered rats. Hino M, et al. **J Toxicol Sci** 1986 May;11(2):105-10

Indirect and direct suppressive actions of morphine on dorsal horn neurons in rabbits. Okuda T, et al. **Jpn J Pharmacol** 1985 Sep;39(1):112-6

Is Metaphit a phencyclidine antagonist? Studies with ketamine, phencyclidine and N-methylaspartate. Davies SN, et al. **Life Sci** 1986 Jun 30;38(26):2441-5

A V1 vasopressin receptor antagonist has nonspecific neurodepressant actions in the spinal cord. Porter JP, et al. **Neuroendocrinology** 1986;43(1):75-8

Ketamine acts as a non-competitive N-methyl-D-aspartate antagonist on frog spinal cord in vitro. Martin D, et al. **Neuropharmacology** 1985 Oct;24(10):999-1003

Comparison of direct and indirect depressant actions of ketamine on dorsal horn cells in rabbits. Okuda T. **Neuropharmacology** 1986 Apr;25(4):433-40

Baclofen activates two distinct receptors in the rat spinal cord and guinea pig ileum. Sawynok J. **Neuropharmacology** 1986 Jul;25(7):795-8

Substance P in the lumbar spinal cord of the rat affects the motor response to 5-HTP and TRH. Tremblay LE, et al. **Neuropharmacology** 1986 Apr;25(4):419-24

Phencyclidine selectively blocks a spinal action of N-methyl-D-aspartate in mice. Aanonsen LM, et al. **Neurosci Lett** 1986 Jun 18;67(2):191-7

Gangliosides restore the specificity of afferent projection patterns in spinal cord explants chronically exposed to tetrodotoxin. Baker RE, et al. **Neurosci Lett** 1986 Jun 30; 67(3):285-8

Presynaptic effect of clonidine on unmyelinated afferent fibers in the spinal cord of the cat. Calvillo O, et al. **Neurosci Lett** 1986 Mar 14;64(3):335-9

Acridinic acid: a new antagonist of amino acid-induced excitations of central neurones. Curry K, et al. **Neurosci Lett** 1986 May 6;66(1):101-5

Pyridazinyl-GABA derivatives as GABA and glycine antagonists in the spinal cord of the cat. Gynther BD, et al. **Neurosci Lett** 1986 Jul 24;68(2):211-5

The antagonistic effects of naloxone on acupuncture inhibition of the vibration-induced grasp reflex in man. Homma S, et al. **Neurosci Lett** 1985 Oct 24;61(1-2):227-32

Ketamine and phencyclidine cause a voltage-dependent block of responses to L-aspartic acid. Honey CR, et al. **Neurosci Lett** 1985 Oct 24;61(1-2):135-9

Norepinephrine depolarizes lateral horn cells of neonatal rat spinal cord in vitro. Ma RC, et al. **Neurosci Lett** 1985 Sep 30;60(2):163-8

Pentobarbital promotes bursts of gamma-aminobutyric acid-activated single channel currents in cultured mouse central neurons. Mathers DA. **Neurosci Lett** 1985 Sep 30; 60(2):121-6

Involvement of spinal and supraspinal structures in tizanidine-induced antinociceptive action. Nabeshima T, et al. **Neurosci Lett** 1986 Jan 2;63(1):1-4

Electrophysiological properties of lemniscal afferents in rat after kainic acid lesions in the ventrobasal thalamus. Peschanski M, et al. **Neurosci Lett** 1985 Aug 5;58(3):287-92

Cobalt ions block L-glutamate and L-aspartate-induced currents in cultured neurons from embryonic chick spinal cord. Vyklický L, et al. **Neurosci Lett** 1985 Nov 11; 61(3):345-50

Spider venom of Araneus opens and desensitizes glutamate channels in chick spinal cord neurones. Vyklický L Jr, et al. **Neurosci Lett** 1986 Jul 24;68(2):227-31

Somatostatin and calcitonin gene-related peptide synergistically modulate spinal sensory and reflex mechanisms in the rat: behavioral and electrophysiological studies. Wiesenfeld-Hallin Z. **Neurosci Lett** 1986 Jun 30; 67(3):319-23

Intrathecal somatostatin modulates spinal sensory and reflex mechanisms: behavioral and electrophysiological studies in the rat. Wiesenfeld-Hallin Z. **Neurosci Lett** 1985 Nov 20; 62(1):69-74

Morphine-sensitive and morphine-insensitive actions of C-fibre input on the rat spinal cord. Woolf CJ, et al. **Neurosci Lett** 1986 Feb 28;64(2):221-5

Selective inhibition of responses of feline dorsal horn neurones to noxious cutaneous stimuli by tizanidine (DS103-282) and noradrenaline: involvement of alpha 2-adrenoceptors. Davies J, et al. **Neuroscience** 1985 Nov; 16(3):673-82

Effects of adenosine 5'-monophosphate and adenosine 5'-triphosphate on functionally identified units in the cat spinal dorsal horn. Evidence for a differential effect of adenosine 5'-triphosphate on nociceptive vs non-nociceptive units. Salter MW, et al. **Neuroscience** 1985 Jul;15(3):815-25

Electrophysiological studies on the effects of intrathecal morphine on nociceptive neurones in the rat dorsal horn. Dickenson AH, et al. **Pain** 1986 Feb;24(2):211-22

Neurotrophic action of VIP on spinal cord cultures. Brenneman DE, et al. **Peptides** 1985;6 Suppl 2:35-9

Increased functional vulnerability to acute compression injury of a spinal cord segment under barbiturate anesthesia. Nacimiento AC, et al. **Surg Neurol** 1986 Jul;26(1):9-12

Acute effects of dexamethasone on normal and on posttraumatic spinal cord polysynaptic reflex activity and axonal conduction. Nacimiento AC, et al. **Surg Neurol** 1986 Jul;26(1):13-6

Biochemical and neuropathological assessment of triphenyl phosphite in rats. Veronesi B, et al. **Toxicol Appl Pharmacol** 1986 Apr;83(2):203-10

Paradoxical changes in spinal cord reflexes following the acute administration of acrylamide. Goldstein BD, et al. **Toxicol Lett** 1986 May;31(2):93-9

Possible adverse reaction to metronidazole [letter] Owen RR, et al. **Vet Rec** 1986 Feb 1;118(5):132

[Reversible and irreversible lesions of the conus medullaris and cauda equina after lumber paravertebral infiltration injection] Pohl J, et al. **Fortschr Med** 1985 Sep 26; 103(36):849-51 (Eng. Abstr.) (Ger)

[The use of morphine in the spinal cord area] Károvits J. **Orv Hetil** 1986 Jan 12;127(2):63-8 (Eng. Abstr.) (Hun)

[Morphine tolerance of the tissues after epidural administration] Semenikhin AA, et al. **Anesteziol Reanimatol** 1985 Nov-Dec;(6):52-4 (Eng. Abstr.) (Rus)

[Effect of M-cholinomimetics on nociceptive stimulation in the spinal cord] Nemirovskiĭ AIu. **Farmakol Toksikol** 1985 Sep-Oct;48(5):36-9 (Eng. Abstr.) (Rus)

[Effect of gamma-aminobutyric acid on neurons of the spinal lymphatic center] Serbeniuk TsV, et al. **Fiziol Zh SSSR** 1985 Nov;71(11):1386-92 (Eng. Abstr.) (Rus)

[Features of the action of opioid peptides and naloxone on the tissues of the central and peripheral nervous system during cultivation] Il'inskiĭ OB, et al. **Neirofiziologiia** 1986; 18(2):227-33 (Eng. Abstr.) (Rus)

[Effect of vasopressin and oxytocin on evoked activity of dorsal horn cells of an isolated segment of spinal cord in rat pups] Tamarova ZA. **Neirofiziologiia** 1985;17(5):634-40 (Eng. Abstr.) (Rus)

EMBRYOLOGY

The ontogeny of the spinocerebellar projection in the chicken. A study using WGA-HRP as a tracer. Lakke EA, et al. **Acta Histochem [Suppl] (Jena)** 1986;32:47-51

Cellular distribution of O4 antigen and galactocerebroside in primary cultures of human foetal spinal cord. Dickson JG, et al. **Acta Neuropathol (Berl)** 1985;68(4):340-4

Extracellular proteolysis: developmentally regulated activity during chick spinal cord histogenesis. Kalderon N, et al. **Brain Res** 1986 Feb;390(1):1-9

Influence of the extracellular potassium environment on neurite growth in sensory neurons, spinal cord neurons and sympathetic neurons. Sussdorf WS, et al. **Brain Res** 1986 Feb;390(1):43-52

Development of a high-affinity GABA uptake system in embryonic amphibian spinal neurons. Lamborghini JE, et al. **Dev Biol** 1985 Nov;112(1):167-76

The development of motoneurons in the embryonic spinal cord of the mouse mutant, muscular dysgenesis (mdg/mdg): survival, morphology, and biochemical differentiation. Oppenheim RW, et al. **Dev Biol** 1986 Apr;114(2):426-36

Changes in glucose 6-phosphate dehydrogenase activity in developing embryonic chick skeletal muscle and spinal cord. Lyles JM, et al. **Dev Neurosci** 1986;8(1):44-52

Development of the spinal tract of the trigeminal nerve and its relation to early fetal behavior in rats under normal and hypothyroid conditions. Narayanan CH, et al. **Exp Brain Res** 1986;62(1):61-76

Immunolocalization of a neuronal growth-dependent membrane glycoprotein. Wallis I, et al. **J Cell Biol** 1985 Nov;101(5 Pt 1):1990-8

Ontogeny of phenylethanolamine N-methyltransferase- and tyrosine hydroxylase-like immunoreactivity in presumptive adrenaline neurones of the foetal rat central nervous system. Foster GA, et al. **J Comp Neurol** 1985 Jun 15; 236(3):348-81

Timing and positioning of reopening of the occluded spinal neurocele in the chick embryo. Schoenwolf GC, et al. **J Comp Neurol** 1986 Apr 22;246(4):459-66

Muscle fibre types and innervation of the chick embryo limb following cervical spinal cord removal. Laing NG, et al. **J Embryol Exp Morphol** 1985 Oct;89:209-22

Differentiation of dorsal root ganglion cells with processes in their synaptic target zone of embryonic mouse spinal cord: a retrograde tracer study. Barber RP, et al. **J Neurocytol** 1986 Apr;15(2):207-18

Survival of motoneurons in the brachial lateral motor column of limbless mutant chick embryos depends on the periphery. Lanser ME, et al. **J Neurosci** 1986 Sep;6(9):2551-7

A human homoeo box gene specifically expressed in spinal cord during embryonic development. Simeone A, et al. **Nature** 1986 Apr 24-30;320(6064):763-5

Response of purified chick motoneurons to myotube conditioned medium: laminin is essential for the substratum-binding, neurite outgrowth-promoting activity. Calof AL, et al. **Neurosci Lett** 1985 Aug 30;59(2):183-9

Behavioral analysis of opiate-mediated inhibition in the early chick embryo. Maderdrut JL, et al. **Neuroscience** 1985 Oct; 16(2):405-16

Substance P like immunoreactivity along the lateral side of the dorsal horn of human spinal cord. Mehra RD, et al. **Prog Clin Biol Res** 1986;217B:149-51

Bird chimeras may be models for certain neurological diseases [news] Barnes DM. **Science** 1986 May 23; 232(4753):930-2

Cell recognition by neuronal growth cones in a simple vertebrate embryo. Kuwada JY. **Science** 1986 Aug 15; 233(4765):740-6

On the origin of oligodendrocytes. Choi BH. **Yonsei Med J** 1985;26(2):143-9

[Once again the spinal cord and scoliosis] Roth M. **Acta Chir Orthop Traumatol Cech** 1985 Dec;52(6):532-43 (Eng. Abstr.) (Cze)

[Formation of descending pathways to the spinal cord] Okado N, et al. **No To Shinkei** 1986 May;38(5):417-36 (102 ref.) (Jpn)

[Early embryonic synaptogenesis--a key factor in the development of the human brain] Milokhin AA. **Vestn Akad Med Nauk SSSR** 1986;(1):68-76 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Distribution of cathepsin D immunoreactivity in the central nervous system of rat and selected brain regions of man. Bernstein HG, et al. **Acta Histochem (Jena)** 1985; 77(2):139-42

Changes in acid phosphatase activity in developing neurons. Intrinsic or extrinsic property? van Welsum RA, et al. **Acta Morphol Neerl Scand** 1985 Oct;23(2):151-6

Distribution of glomeruli with fluoride-resistant acid phosphatase (FRAP)-containing terminals in the substantia gelatinosa of the rat. Ribeiro-Da-Silva A, et al. **Brain Res** 1986 Jul 9;377(2):323-9

Aromatase and 5 alpha-reductase in the teleost brain, spinal

cord, and pituitary gland. Pasmanik M, et al. **Gen Comp Endocrinol** 1985 Nov;60(2):244–51

Acetylcholinesterase activity and type C synapses in the hypoglossal, facial and spinal-cord motor nuclei of rats. An electron-microscope study. Davidoff MS, et al. **Histochemistry** 1986;84(4–6):515–24

Acetylcholinesterase activity at the synapses of presynaptic boutons with presumed alpha-motoneurons in chicken ventral horn. Light- and electron-microscopic studies. Sakamoto H, et al. **Histochemistry** 1985;83(4):291–8

Localization of cytochrome oxidase in the mammalian spinal cord and dorsal root ganglia, with quantitative analysis of ventral horn cells in monkeys. Wong-Riley MT, et al. **J Comp Neurol** 1986 Mar 1;245(1):41–61

Distribution of choline acetyltransferase activity in rat spinal cord—influence of primary afferents? Holzer-Petsche U, et al. **J Neurol Transm** 1986;66(2):85–92

N-Acetylation of L-aspartate in the nervous system: differential distribution of a specific enzyme. Truckenmiller ME, et al. **J Neurochem** 1985 Nov;45(5):1658–62

Proteolytic enzymes in experimental spinal cord injury. Banik NL, et al. **J Neurol Sci** 1986 May;73(3):245–56

Distribution of adenosine deaminase activity in rat brain and spinal cord. Geiger JD, et al. **J Neurosci** 1986 Sep; 6(9):2707–14

Oligodendroglial structures and distribution shown by carbonic anhydrase immunostaining in the spinal cords of developing normal and shiverer mice. Cammer W, et al. **J Neurosci Res** 1985;14(3):303–16

Proteolysis in quaking mouse brain and spinal cord. McAlhaney WW, et al. **Neurochem Res** 1986 Feb; 11(2):173–83

Fluctuations of acetylcholinesterase in the mouse spinal cord and in vivo sodium effect during the development of morphine tolerance, dependence, and withdrawal. Mohanakumar KP, et al. **Neurochem Res** 1986 Apr; 11(4):505–20

The localization of fluoride-resistant acid phosphatase (FRAP) in the pelvic nerves and sacral spinal cord of rats. McMahon SB. **Neurosci Lett** 1986 Mar 14;64(3):305–10

Anatomical and cytochemical relationships of adenosine deaminase-containing primary afferent neurons in the rat. Nagy JI, et al. **Neuroscience** 1985 Jul;15(3):799–813

The correlation between neurotoxic esterase inhibition and mipafox-induced neuropathic damage in rats. Veronesi B, et al. **Neurotoxicology** 1986 Spring;7(1):207–15

Arylamidase activity in the rabbit spinal cord after ligation of the abdominal aorta. Kluchová D, et al. **Physiol Bohemoslov** 1986;35(2):171–7

[Possibilities of pharmacologic correction of Na, K-ATPase activity in the spinal cord in botulism] Chesnokova NP, et al. **Biull Eksp Biol Med** 1985 Oct;100(10):442–4 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

The development of the dendritic organization of primary and secondary motoneurons in the spinal cord of Xenopus laevis. An HRP study. van Mier P, et al. **Anat Embryol (Berl)** 1985;172(3):311–24

Behavior of larval and juvenile bullfrogs (Rana catesbeiana) following chronic spinal transection. Stehouwer DJ. **Behav Neural Biol** 198? Jan;45(1):120–34

Postnatal development of dopamine-beta-hydroxylase-immunoreactive fibers of the spinal cord of the rat. Aramant RB, et al. **Brain Res** 1986 Mar;390(2):161–71

The androgenic induction of spinal sexual dimorphism is independent of supraspinal afferents. Fishman RB, et al. **Brain Res** 1985 Dec;355(2):255–8

The functional development of descending inhibitory pathways in the dorsolateral funiculus of the newborn rat spinal cord. Fitzgerald M, et al. **Brain Res** 1986 Jan; 389(1–2):261–70

Increase of neurite-promoting activity for spinal neurons in muscles of 'paralysé' mice and tenotomised rats. Henderson CE, et al. **Brain Res** 1986 Feb;390(1):65–70

Dimensions and branching patterns of triceps surae alpha-motor axons and their recurrent axon collaterals in the spinal cord during the postnatal development of the cat. Remahl S, et al. **Brain Res** 1985 Dec;355(2):193–200

Postnatal development of a demyelinating disease in avian spinal cord chimeras. Kinutani M, et al. **Cell** 1986 Apr 25; 45(2):307–14

Low-molecular-weight peptide stimulates cholinergic development in ventral spinal cord cultures. McManaman JL, et al. **Dev Biol** 1985 Nov;112(1):248–52

Development of the spinocerebellar system in the postnatal rat. Arsénio Nunes ML, et al. **J Comp Neurol** 1985 Jul 15;237(3):291–306

Development of the spinal-medullary projection from the mouse barrel field. Crandall JE, et al. **J Comp Neurol** 1985 Sep 8;239(2):205–15

A quantitative analysis of the spinal motor pool and its target muscle during growth in the dogfish, Scyliorhinus canicula. Mos W, et al. **J Comp Neurol** 1986 Jun 15;248(3):431–40

The absence of significant postnatal motoneuron death in the brachial and lumbar spinal cord of the rat. Oppenheim RW. **J Comp Neurol** 1986 Apr 8;246(2):281–6

Myelin-forming oligodendrocytes of developing mouse spinal cord: immunocytochemical and ultrastructural studies. Choi BH. **J Neuropathol Exp Neurol** 1986 Sep; 45(5):513–24

Development of mouse spinal cord in tissue culture: IV. Effects of embryonic extracts on neuron formation and migration. Houle JD, et al. **J Neurosci Res** 1985; 14(2):187–96

IMMUNOLOGY

Topography of choline acetyltransferase immunoreactive neurons and fibers in the rat spinal cord. Borges LF, et al. **Brain Res** 1986 Jan 1;362(1):140–8

T cell lines derived from the spinal cords of mice with experimental allergic encephalomyelitis are self reactive. Sgroi D, et al. **J Immunol** 1986 Sep 15;137(6):1850–4

An epitope shared by central nervous system myelin and peripheral blood macrophages. Stefansson K, et al. **J Neuroimmunol** 1986 Jul;12(1):49–55

Cultured rat spinal cord neurons: interaction with motor neuron disease immunoglobulins. Digby J, et al. **Muscle Nerve** 1985 Sep;8(7):595–605

Presence of immunoreactive alpha-melanotropin and beta-endorphin in spinal motoneurones of the dystrophic mouse. Haynes LW, et al. **Neurosci Lett** 1985 Jul 4; 58(1):13–8

Distribution of human leumorphin-like immunoreactivity in the monkey spinal cord revealed by immunocytochemistry. Uda K, et al. **Neurosci Lett** 1985 Nov 20;62(1):39–44

METABOLISM

Cholinergic, opioid and glycine receptor binding sites localized in human spinal cord by in vitro autoradiography. Changes in amyotrophic lateral sclerosis. Gillberg PG, et al. **Acta Neurol Scand** 1985 Sep;72(3):299–306

Vitamin E protects against metasystox-induced adverse effect on lipid metabolism in the rat brain and spinal cord. Tayyaba K, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Sep;57(3):190–6

Peptide YY (PYY)-immunoreactive neurons in the lower brain stem and spinal cord of rat. Broomé M, et al. **Acta Physiol Scand** 1985 Oct;125(2):349–52

A cholecystokinin-like peptide is present in 5-hydroxytryptamine neurons in the spinal cord of the lamprey. van Dongen PA, et al. **Acta Physiol Scand** 1985 Nov;125(3):557–60

Turnover of the benzodiazepine/gamma-aminobutyric acid receptor complex determined in situ. Farb DH, et al. **Adv Biochem Psychopharmacol** 1986;41:51–66

Traumatic injury alters opiate receptor binding in rat spinal cord. Krumins SA, et al. **Ann Neurol** 1986 May; 19(5):498–501

[H3]-nitrendipine binding in non-neuronal cell cultures. Litzinger MJ, et al. **Biochem Biophys Res Commun** 1986 Apr 29;136(2):783–8

[3H]-tetrodotoxin binding in neuronal and non-neuronal spinal cord cultures. Litzinger MJ, et al. **Biochem Biophys Res Commun** 1986 Aug 14;138(3):1250–6

Intrinsic 5HT-immunoreactive neurons in the spinal cord of the fetal non-human primate. Bowker RM. **Brain Res** 1986 Jul;393(1):137–43

Serotonergic and peptidergic inputs to the primate ventral spinal cord as visualized with multiple chromagens on the same tissue section. Bowker RM. **Brain Res** 1986 Jun 11; 375(2):345–50

The synthesis and metabolism of catecholamines in the spinal cord of the rat after acute and chronic transections. Commissiong JW. **Brain Res** 1985 Nov 11;347(1):104–11

Peripheral nerve lesions cause simultaneous alterations of substance P and enkephalin levels in the spinal cord. Di Giulio AM, et al. **Brain Res** 1985 Sep 9;342(2):405–8

Localization of [3H]nitrobenzylthioinosine binding sites in rat spinal cord and primary afferent neurons. Geiger JD, et al. **Brain Res** 1985 Nov 18;347(2):321–7

Immunohistochemistry of synaptic input and functional characterizations of neurons near the spinal central canal. Honda CN, et al. **Brain Res** 1985 Sep 16;343(1):120–8

Characterization of [3H]rauwolscine binding to alpha 2-adrenoceptor sites in the lumbar spinal cord of the cat: comparison to such binding sites in the cat frontal cerebral cortex. Howe JR, et al. **Brain Res** 1986 Mar 12; 368(1):87–100

Altered phosphorylation of rat neuronal cytoskeletal proteins in acrylamide induced neuropathy. Howland RD, et al. **Brain Res** 1986 Jan 22;363(2):333–9

Further indications for enhancement of retrograde transneuronal transport of WGA-HRP by synaptic activity. Jankowska E. **Brain Res** 1985 Aug 26;341(2):403–8

Noradrenergic inhibition of the release of substance P from the primary afferents in the rabbit spinal dorsal horn. Kuraishi Y, et al. **Brain Res** 1985 Dec 16;359(1–2):177–82

Characterization of two angiotensin II binding sites in cultured mouse spinal cord neurones. Laribi C, et al. **Brain Res** 1985 Nov 11;347(1):94–103

Distribution and development of proenkephalin-like immunoreactivity in the lumbar spinal cord of the chicken. Maderdrut JL, et al. **Brain Res** 1986 Jul 2;377(1):29–40

Deafferentation causes a loss of presynaptic bombesin receptors and supersensitivity of substance P receptors in the dorsal horn of the cat spinal cord. Massari VJ, et al. **Brain Res** 1985 Sep 23;343(2):268–74

Lectin Ulex europaeus agglutinin I specifically labels a subset of primary afferent fibers which project selectively to the superficial dorsal horn of the spinal cord. Mori K. **Brain Res** 1986 Feb 19;365(2):404–8

Immunohistochemical demonstration of serotonin neurons in autonomic regions of the rat spinal cord. Newton BW, et al. **Brain Res** 1986 Jun 18;376(1):155–63

The developmental appearance of alpha-bungarotoxin binding sites on rodent spinal cord neurons in cell culture. Schaffner AE, et al. **Brain Res** 1986 Mar;390(2):239–47

Distribution of histaminergic, muscarinic and serotonergic binding sites in cat spinal cord with emphasis on the region surrounding the central canal. Seybold VS. **Brain Res** 1985 Sep 9;342(2):291–6

Vasoactive intestinal polypeptide (VIP) increases in the spinal cord after peripheral axotomy of the sciatic nerve originate from primary afferent neurons. Shehab SA, et al. **Brain Res** 1986 Apr 30;372(1):37–44

Antagonist-induced opiate receptor upregulation in cultures of fetal mouse spinal cord–ganglion explants. Tempel A, et al. **Brain Res** 1986 Mar;390(2):287–91

Immunocytochemical localization of pro-opiomelanocortin-derived peptides in the adult rat spinal cord. Tsou K, et al. **Brain Res** 1986 Jul 16; 378(1):28–35

Muscarinic cholinergic receptors in the human spinal cord: differential localization of [3H]pirenzepine and [3H]quinuclidinylbenzilate binding sites. Villiger JW, et al. **Brain Res** 1985 Oct 14;345(1):196–9

Increased norepinephrine and uric acid levels in the spinal cord of arthritic rats. Weil-Fugazza J, et al. **Brain Res** 1986 May 21;374(1):190–4

Characterization of androgen receptors in embryonic chick spinal cord. Weill CL. **Brain Res** 1986 Jan;389(1–2):127–32

Kappa opioid receptors in human lumbo-sacral spinal cord. Gouarderes C, et al. **Brain Res Bull** 1986 Mar;16(3):355–61

Immunohistochemical study of catecholaminergic cell bodies in the rat spinal cord. Mouchet P, et al. **Brain Res Bull** 1986 Mar;16(3):341–53

Binding sites for corticotropin releasing factor in sensory areas of the rat hindbrain and spinal cord. Skofitsch G, et al. **Brain Res Bull** 1985 Nov;15(5):519–22

Changes in norepinephrine and histamine in monkey spinal cords traumatized by weight drop and compression. Kuruvilla A, et al. **Cent Nerv Syst Trauma** 1985 Spring; 2(1):61–71

Appearance of myelin proteins during development in the chick central nervous system. Macklin WB, et al. **Dev Neurosci** 1985;7(3):170–8

The spinal cord contains multiple factors causing plasma protein extravasation in the skin. Gamse R, et al. **Eur J Pharmacol** 1985 Jul 31;113(3):363–71

Pharmacological characterization and regional distribution of alpha-noradrenergic binding sites of rat spinal cord. Giron LT Jr, et al. **Eur J Pharmacol** 1985 Sep 24; 115(2–3):285–90

Analgesic activity and release of [MET5]enkephalin-Arg6-Gly7-Leu8 from rat spinal cord in vivo. Iadarola MJ, et al. **Eur J Pharmacol** 1986 Feb 11;121(1):39–48

Presynaptic serotonin receptors regulate [3H]serotonin release from rat spinal cord synaptosomes. Stauderman KA, et al. **Eur J Pharmacol** 1986 Jan 14;120(1):107–9

Intrathecal DSP4 selectively depletes spinal noradrenaline and attenuates morphine analgesia. Zhong FX, et al. **Eur J Pharmacol** 1985 Oct 22;116(3):327–30

Transmitter expression and morphological development of embryonic medullary and mesencephalic raphé neurones after transplantation to the adult rat central nervous system. I. Grafts to the spinal cord. Foster GA, et al. **Exp Brain Res** 1985;60(3):427–44

Vasoactive intestinal polypeptide increases in areas of the dorsal horn of the spinal cord from which other neuropeptides are depleted following peripheral axotomy. Shehab SA, et al. **Exp Brain Res** 1986;62(2):422–30

Effect of antiglycolipid antisera on the lipid composition of cultured mouse spinal cords. Saito M, et al. **Exp Neurol** 1986 Jun;92(3):752–6

Changes in 3H-leucine enkephalin binding in spinal cord of frog after dorsal rhizotomy, cordotomy, transcutaneous stimulation and temperature variations: correlation with nociceptive sensitivity. Hájek I, et al. **Gen Physiol Biophys** 1985 Oct;4(5):437–55

Effect of streptomycin and kanamycin on central nervous system—an experimental study. Faruqi NA, et al. **Indian J Exp Biol** 1986 Feb;24(2):97–9

Methyl parathion induced dose related alteration in lipid levels and lipid peroxidation in various regions of rat brain and spinal cord. Hasan M, et al. **Indian J Exp Biol** 1985 Mar;23(3):141–4

beta-Endorphin-(1–27) inhibits the spinal beta-endorphin-induced release of Met-enkephalin. Tseng LF, et al. **Int J Pept Protein Res** 1986 Apr;27(4):394–7

Penetration of subarachnoid contrast medium into rabbit spinal cord. Comparison between metrizamide and iohexol. Holtas S, et al. **Invest Radiol** 1986 Feb;21(2):151–5

Microtubule-associated proteins bind specifically to the 70-kDa neurofilament protein. Heimann R, et al. **J Biol Chem** 1985 Oct 5;260(22):12160–6

Segmental distribution of peptide- and 5HT-like immunoreactivity in nerve terminals and fibers of the thoracolumbar sympathetic nuclei of the cat. Krukoff TL, et al. **J Comp Neurol** 1985 Oct 1;240(1):103–16

Segmental distribution of peptide-like immunoreactivity in cell bodies of the thoracolumbar sympathetic nuclei of the cat. Krukoff TL, et al. **J Comp Neurol** 1985 Oct 1;

240(1):90–102

VIP terminals, axons, and neurons: distribution throughout the length of monkey and cat spinal cord. LaMotte CC, et al. **J Comp Neurol** 1986 Jul 1;249(1):133–45

Immunohistochemical localization of urotensin I/corticotropin–releasing factor, urotensin II, and serotonin immunoreactivities in the caudal spinal cord of nonteleost fishes. Onstott D, et al. **J Comp Neurol** 1986 Jul 8; 249(2):205–25

Iron–induced lipid peroxidation in spinal cord: protection with mannitol and methylprednisolone. Anderson DK, et al. **J Free Radic Biol Med** 1985;1(1):59–64

Changes of neurotransmitter systems in chronic relapsing experimental allergic encephalomyelitis in rat brain and spinal cord. Krenger W, et al. **J Neurochem** 1986 Oct; 47(4):1247–54

Characterization of L–glutamate binding sites in rat spinal cord synaptic membranes: evidence for multiple chloride ion–dependent sites. Mena EE, et al. **J Neurochem** 1986 Oct;47(4):1052–60

Dynamic aspects of glucocorticoid receptors in the spinal cord of the rat. Ortí E, et al. **J Neurochem** 1985 Dec; 45(6):1699–707

Changes in in vitro brain and spinal cord protein phosphorylation after a single oral administration of tri–o–cresyl phosphate to hens. Patton SE, et al. **J Neurochem** 1985 Nov;45(5):1567–77

Trace elements in the spinal cord and other tissues in motor neuron disease. Mitchell JD, et al. **J Neurol Neurosurg Psychiatry** 1986 Feb;49(2):211–5

Demonstration of thyrotropin–releasing hormone immunoreactivity in neurons of the mouse spinal dorsal horn. Coffield JA, et al. **J Neurosci** 1986 Apr;6(4):1194–7

A model of chronic pain in the rat: response of multiple opioid systems to adjuvant–induced arthritis. Millan MJ, et al. **J Neurosci** 1986 Apr;6(4):899–906

Opioid peptide immunoreactivity in spinal and trigeminal dorsal horn neurons projecting to the parabrachial nucleus in the rat. Standaert DG, et al. **J Neurosci** 1986 May; 6(5):1220–6

Isolation and characterization of a cDNA coding for a novel human 17.3K myelin basic protein (MBP) variant. Roth HJ, et al. **J Neurosci Res** 1986;16(1):227–38

Calcium, metals and nervous system in the elderly. Yase Y. **J Nutr Sci Vitaminol (Tokyo)** 1985 Dec;31 Suppl:S37–40

Hypersensitivity of acetylcholine receptor in diabetic skeletal muscle to neuromuscular blockers: the effect of myotubes cultured with spinal cord or its extract. Kimura M, et al. **J Pharmacobiodyn** 1986 Jan;9(1):29–38

Effects of kelatorphan and other peptidase inhibitors on the in vitro and in vivo release of methionine–enkephalin–like material from the rat spinal cord. Bourgoin S, et al. **J Pharmacol Exp Ther** 1986 Jul;238(1):360–6

The in situ perfused spinal cord of the rat. Applicability of drugs and chemicals, sodium–lithium exchange, and calcium reduction to functional intact central nervous system tissue. Deutschmann W, et al. **J Pharmacol Methods** 1986 Apr;15(2):143–55

Immunohistochemical properties of the "floor plate glycogen body" of the human embryonic spinal cord and brain stem. Flood PR. **Med Biol** 1986;64(2–3):159–65

NMDA–receptor activation increases cytoplasmic calcium concentration in cultured spinal cord neurones. MacDermott AB, et al. **Nature** 1986 May 29–Jun 4; 321(6069):519–22

Serotonin type–2 receptor mediated regulation of substance P release in the ventral spinal cord and the effects of chronic antidepressant treatment. Iverfeldt K, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 May; 333(1):1–6

Action of hypo– and hyperthyroidism on the postmortal decay of acetylcholine in the rat spinal cord. Molinengo L, et al. **Neuroendocrinology** 1986;42(1):28–31

Evidence of high affinity, stereoselective binding sites for [3H]–aldosterone in the spinal cord. Ortí E, et al. **Neuroendocrinology** 1986;43(3):404–9

ALS serum has no effect on three enzymatic activities in cultured human spinal cord neurons. Touzeau G, et al. **Neurology** 1986 Apr;36(4):573–6

Cystathionine disappearance with neuronal loss: a possible neuronal marker. Wisniewski K, et al. **Neuropediatrics** 1985 Aug;16(3):126–30

Autoradiographic localization of mu, delta and kappa opioid receptor binding sites in rat and guinea pig spinal cord. Gouardères C, et al. **Neuropeptides** 1985 Jul;6(4):331–42

Evaluation of the direct actions of drugs with a serotonergic link in spinal analgesia on the release of [3H]serotonin from spinal cord synaptosomes. Monroe PJ, et al. **Neuropharmacology** 1986 Mar;25(3):261–5

Specific [3H]neurotensin binding to rat spinal cord membranes. Villiger JW. **Neuropharmacology** 1985 Aug; 24(8):819–21

Opioid ligand binding sites in the spinal cord of the guinea–pig. Zarr GD, et al. **Neuropharmacology** 1986 May; 25(5):471–80

A spinal projection of 5–hydroxytryptamine neurons in the lamprey brainstem; evidence from combined retrograde tracing and immunohistochemistry. Brodin L, et al. **Neurosci Lett** 1986 Jun 6;67(1):53–7

Laminar localization of the sites of release of immunoreactive substance P in the dorsal horn with antibody–coated microelectrodes. Duggan AW, et al. **Neurosci Lett** 1986 Jul 11;68(1):134–40

Immunocytochemical studies on the localization of glucocorticoid receptor immunoreactive nerve cells in the lower brain stem and spinal cord of the male rat using a monoclonal antibody against rat liver glucocorticoid receptor. Fuxe K, et al. **Neurosci Lett** 1985 Sep 16;60(1):1–6

Binding sites for [3H]dopamine and dopamine–antagonists on cultured astrocytes of rat striatum and spinal cord: an autoradiographic study. Hösli E, et al. **Neurosci Lett** 1986 Apr 11;65(2):177–82

Autoradiographic localization of binding sites for the gamma–aminobutyric acid analogues 4,5,6,7–tetrahydroisoxazolo[5,4–c]pyridin–3–ol (THIP)isoguvacine and baclofen on cultured neurons of rat cerebellum and spinal cord. Hösli E, et al. **Neurosci Lett** 1985 Oct 24;61(1–2):153–7

Leucine–enkephalin–like immunoreactive afferent fibers to pudendal motoneurons in the cat. Konishi A, et al. **Neurosci Lett** 1985 Oct 24;61(1–2):109–13

Simultaneous release of several tachykinins and calcitonin gene–related peptide from rat spinal cord slices. Saria A, et al. **Neurosci Lett** 1986 Jan 30;63(3):310–4

Changes in extracellular potassium accumulation produced by opioids and naloxone in frog spinal cord: relation to changes of Na–K pump activity. Syková E, et al. **Neurosci Lett** 1985 Sep 6;59(3):285–90

Sexual differences in the distribution of substance P immunoreactive fibers in the ventral horn of the rat lumbar spinal cord. Uda K, et al. **Neurosci Lett** 1986 Feb 28; 64(2):157–62

Clonidine stimulated the release of dynorphin in the spinal cord of the rat: a possible mechanism for its depressor effects. Xie CW, et al. **Neurosci Lett** 1986 Apr 11; 65(2):224–8

Cell suspension grafts of noradrenergic locus coeruleus neurons in rat hippocampus and spinal cord: reinnervation and transmitter turnover. Björklund A, et al. **Neuroscience** 1986 Jul;18(3):685–98

Benzodiazepine receptors in the human spinal cord: a detailed anatomical and pharmacological study. Faull RL, et al. **Neuroscience** 1986 Mar;17(3):791–802

A quantitative analysis of the interrelationships between subpopulations of rat sensory neurons containing arginine vasopressin or oxytocin and those containing substance P, fluoride–resistant acid phosphatase or neurofilament protein. Kai–Kai MA, et al. **Neuroscience** 1986 Jun; 18(2):475–86

The distribution of glycine receptors in the human brain. A light microscopic autoradiographic study using [3H]strychnine. Probst A, et al. **Neuroscience** 1986; 17(1):11–35

In vivo biosynthesis and transport of oxytocin, vasopressin and neurophysin from the hypothalamus to the spinal cord. White JD, et al. **Neuroscience** 1986;17(1):133–40

Serotonin immunoreactivity in spinal cord axons and terminals of rodents with experimental allergic encephalomyelitis. White SR, et al. **Neuroscience** 1985 Nov; 16(3):701–9

Pregnancy–induced increase of spinal cord peptide concentrations in rats. Chery–Croze S, et al. **Peptides** 1986; 7 Suppl 1:197–200

Structural and biochemical alterations in the dorsal horn of the spinal cord caused by peripheral nerve lesions. Di Giulio AM, et al. **Peptides** 1985;6 Suppl 3:249–56

A VIP/PHI–containing pathway links urinary bladder and sacral spinal cord. Gibson SJ, et al. **Peptides** 1986;7 Suppl 1:205–19 (79 ref.)

Alterations of immunoreactive substance P and enkephalins in rat spinal cord after electroacupuncture. Vacca–Galloway LL, et al. **Peptides** 1985;6 Suppl 1:177–88

D–Baclofen is an antagonist at baclofen receptors mediating antinociception in the spinal cord. Sawynok J, et al. **Pharmacology** 1985;31(5):248–59

Membrane lipid changes in laminectomized and traumatized cat spinal cord. Demediuk P, et al. **Proc Natl Acad Sci USA** 1985 Oct;82(20):7071–5

Selective expression of endogenous lactose–binding lectins and lactoseries glycoconjugates in subsets of rat sensory neurons. Regan LJ, et al. **Proc Natl Acad Sci USA** 1986 Apr;83(7):2248–52

Autoradiographic comparison of the distribution of the neutral endopeptidase "enkephalinase" and of mu and delta opioid receptors in rat brain. Waksman G, et al. **Proc Natl Acad Sci USA** 1986 Mar;83(5):1523–7

Quantitative autoradiography of angiotensin II receptors in brain and kidney: focus on cardiovascular implications. Gehlert DR, et al. **Prog Clin Biol Res** 1985;192:241–9

Retrograde labeling of dorsal root ganglion neurons after injection of tritiated amino acids in the spinal cord of rats and cats. Barbaresi P, et al. **Somatosens Res** 1985;3(1):57–74

[Immunocytochemical study of the spinal distribution of substance P, enkephalins, cholecystokinin and serotonin in amyotrophic lateral sclerosis] Schoenen J, et al. **C R Soc Biol (Paris)** 1985;179(4):528–34 (Eng. Abstr.) (Fre)

MICROBIOLOGY

Limited in vivo susceptibility of the South American monkey –Cebus apella– to type 1 poliovirus: physical and histopathological observations after intraspinal inoculation. Abe S, et al. **Biken J** 1985 Jun;28(1–2):21–30

Enterovirus–70 antigen in spinal cord cells of patients with poliomyelitis–like illness. Pal SR, et al. **Indian J Med Res** 1986 Jan;83:108–10

Rabies virus in different segments of brain and spinal cord of naturally and experimentally infected dogs. Ito FH, et al. **Int J Zoonoses** 1985 Jun;12(2):98–104

Distinct pathways of viral spread in the host determined by reovirus S1 gene segment. Tyler KL, et al. **Science** 1986 Aug 15;233(4765):770–4

Theiler's virus RNA and protein synthesis in the central nervous system of demyelinating mice. Cash E, et al. **Virology** 1985 Jul 15;144(1):290–4

PATHOLOGY

Autoimmune effector cells. VII. Cells isolated from thymus and spinal cord of rats with experimental allergic encephalomyelitis transfer disease. Hayosh NS, et al. **Am J Pathol** 1986 Feb;122(2):218–22

Porcine congenital tremor type AII: spinal cord morphometry. Done JT, et al. **Br Vet J** 1986 Mar–Apr; 142(2):145–50

Photochemically induced spinal cord injury in the rat. Watson BD, et al. **Brain Res** 1986 Mar 5;367(1–2):296–300

High field, thin section nuclear magnetic resonance imaging of the cervical spine. Dee GJ, et al. **Cardiovasc Intervent Radiol** 1986;8(5–6):283–91

Pathology of spinal injuries. Kakuias BA. **Cent Nerv Syst Trauma** 1984 Winter;1(2):117–29

Stiff–man syndrome with spinal cord lesion. Nakamura N, et al. **Clin Neuropathol** 1986 Jan–Feb;5(1):40–6

Changes in the dog corticospinal tract after ligation of the middle cerebral artery. Badonič T, et al. **Folia Morphol (Praha)** 1986;34(2):119–23

Arthrogryposis multiplex congenita: spectrum of pathologic changes. Banker BQ. **Hum Pathol** 1986 Jul;17(7):656–72

Biochemical and immunocytochemical evidence for a deficiency of normal interfascicular oligodendroglia in the CNS of the dysmyelinating mutant (md) rat. Kahn S, et al. **J Neurochem** 1986 Oct;47(4):1061–5

Necrotic changes of the spinal cord with immune–complex–mediated disseminated vasculitis in a case of atypical allergic encephalomyelitis. Renkawek K, et al. **J Neurol** 1985;232(6):368–73

Spinal cord lesions in heat stroke. Delgado G, et al. **J Neurol Neurosurg Psychiatry** 1985 Oct;48(10):1065–7

A quantitative study of intermediolateral column cells in motor neuron disease and the Shy–Drager syndrome. Kennedy PG, et al. **J Neurol Neurosurg Psychiatry** 1985 Nov;48(11):1103–6

Shy–Drager syndrome and amyotrophic lateral sclerosis. Cytoarchitectonic and morphometric studies of sacral autonomic neurons. Konno H, et al. **J Neurol Sci** 1986 Apr; 73(2):193–204

Ethylene oxide neuropathy in rats. Exposure to 250 ppm. Ohnishi A, et al. **J Neurol Sci** 1986 Jul;74(2–3):215–21

Clinical–anatomic study of a family with bulbo–spinal muscular atrophy in adults. Schiffer D, et al. **J Neurol Sci** 1986 Mar;73(1):11–22

Tethered spinal cord [editorial] **Lancet** 1986 Sep 6; 2(8506):549–50

Enterogenous cyst of the cervical spinal cord in a child—case report. Itakura T, et al. **Neurol Med Chir (Tokyo)** 1986 Jan;26(1):49–53

Changes in the distribution of histochemically localized mercury in the CNS and in tissue levels of organic and inorganic mercury during the development of intoxication in methylmercury treated rats. Hargreaves RJ, et al. **Neuropathol Appl Neurobiol** 1985 Sep–Oct;11(5):383–401

Use of intraoperative ultrasound in decision making during spinal operations. Theodotou BC, et al. **Neurosurgery** 1986 Aug;19(2):205–11

The morphology of carbon disulfide neurotoxicity. Gottfried MR, et al. **Neurotoxicology** 1985 Winter;6(4):89–96

Neuropathologic lesions and CSF morphine concentrations during chronic continuous intraspinal morphine infusion. A clinical and post–mortem study. Coombs DW, et al. **Pain** 1985 Aug;22(4):337–51

Magnetic resonance imaging of spinal cord disease of childhood. Packer RJ, et al. **Pediatrics** 1986 Aug; 78(2):251–6

Transducer frequency considerations in intraoperative US of the spine. Gooding GA, et al. **Radiology** 1986 Jul; 160(1):272–3

Autopsy–confirmed multiple sclerosis in a white South African. A case report. Kies BM, et al. **S Afr Med J** 1985 Sep 28;68(7):485–8

Experimental study on postlaminectomy deterioration of cervical spondylotic myelopathy. Influences of intradural surgery and persistent spinal block. Oiwa T, et al. **Spine** 1985 Oct;10(8):717–21

Light and electron microscopic alterations in spinal cord myelin sheaths after decompression sickness. Sykes JJ, et al. **Undersea Biomed Res** 1985 Sep;12(3):251–8

Focal symmetrical poliomalacia of the spinal cord in Ayrshire calves. Palmer AC, et al. **Vet Pathol** 1986 Jul;23(4):506–9

A progressive spinal myelinopathy in beef cattle. Richards RB, et al. **Vet Pathol** 1986 Jan;23(1):35–41

Delayed swayback in goat kids, a study of 23 cases. Wouda W, et al. **Vet Q** 1986 Jan;8(1):45–56

Pathological changes in the pericardium and meninges of cattle associated with Clostridium chauvoei. Malone FE, et al. **Vet Rec** 1986 Feb 8;119(6):151–2

Development and developmental abnormalities of the CNS

and pathology of the spinal cord. Abstracts. **Zentralbl Allg Pathol** 1985;130(3):233–48

[Late posttraumatic syringomyelic syndromes. Pathogenetic theories apropos of 3 cases] Leys D, et al. **Acta Neurol Belg** 1986 Jan–Feb;86(1):11–9 (Eng. Abstr.) **(Fre)**

[Chronic pain and syringomyelic slit of the posterior horns of the spinal cord] Rémillard GM, et al. **Rev Neurol (Paris)** 1985;141(5):386–90 (Eng. Abstr.) **(Fre)**

[Endoscopy of the spinal canal] Hertz H, et al. **Unfallchirurgie** 1985 Dec;11(6):275–7 (Eng. Abstr.) **(Ger)**

[Clinical study and pathology of compression myelopathy] Ono K. **Nippon Seikeigeka Gakkai Zasshi** 1986 Jan; 60(1):103–18 **(Jpn)**

[The Onuf's nucleus in multiple system degeneration] Mannen T. **No To Shinkei** 1985 Jul;37(7):695–8 (15 ref.) **(Jpn)**

[Neuropathological background of spinocerebellar degeneration—with special reference to autonomic nervous system lesions in olivopontocerebellar atrophy, Shy–Drager syndrome and multiple system atrophy] Mizutani T. **No To Shinkei** 1985 Jul;37(7):675–85 (Eng. Abstr.) **(Jpn)**

[An autopsy case of hereditary ataxia (hereditary spastic ataxia)] Yagishita S, et al. **No To Shinkei** 1985 Jun; 37(6):603–9 (Eng. Abstr.) **(Jpn)**

[Clinico-pathological study of dentato-rubro-pallido-luysian atrophy—based on 38 reported cases] Maehara K, et al. **Rinsho Shinkeigaku** 1986 Apr;26(4):405–11 (Eng. Abstr.) **(Jpn)**

[A comparative study of the pathology of ventral spinal outflow in Shy–Drager syndrome and amyotrophic lateral sclerosis] Sobue G, et al. **Rinsho Shinkeigaku** 1986 Mar; 26(3):241–8 (Eng. Abstr.) **(Jpn)**

[Morphological characteristics of the motor neurons of the spinal cord in physical loading up to the limit] Gerus AI. **Arkh Anat Gistol Embriol** 1985 Nov;89(11):18–26 (Eng. Abstr.) **(Rus)**

[Mechanism of formation of intramedullary cavities and their role in the regeneration of the spinal cord] Ziablov VI, et al. **Arkh Anat Gistol Embriol** 1986 Jan;90(1):27–35 (Eng. Abstr.) **(Rus)**

[Combined effect of stress factors at the level of spinal reflex arc structures] Furdui FI, et al. **Kosm Biol Aviakosm Med** 1985 Sep–Oct;19(5):92–5 **(Rus)**

PHYSIOLOGY

Modelling study of spinal generators structure; the role of alpha motoneurons, Renshaw cells and Ia interneurons in locomotion. Zmyslowski W, et al. **Acta Neurobiol Exp (Warsz)** 1986;46(1):57–72

Peripheral nerve autografts to the rat spinal cord: study on the origin and course of regenerating fibres. Fernandez E, et al. **Acta Neurochir (Wien)** 1986;82(1–2):57–63

Endogenous antinociceptive systems: studies on spinal and supraspinal modulating mechanisms with particular reference to monoaminergic and opioid systems. Jensen TS. **Acta Neurol Scand [Suppl]** 1986;108:1–35 (146 ref.)

Effects of spinal cord lesions and rhizotomies on cholinergic and opiate receptor binding sites in rat spinal cord. Gillberg PG, et al. **Acta Physiol Scand** 1986 Apr;126(4):575–82

Benzodiazepine, beta-carboline, and barbiturate actions on GABA responses. Macdonald RL, et al. **Adv Biochem Psychopharmacol** 1986;41:67–78

Renal afferent input to thoracolumbar spinal neurons of the cat. Ammons WS. **Am J Physiol** 1986 Mar;250(3 Pt 2):R435–43

Nucleus paragigantocellularis lateralis and lumbar sympathetic discharge in the rat. Guyenet PG, et al. **Am J Physiol** 1986 Jun;250(6 Pt 2):R1081–94

Spinal vasopressin mechanisms of cardiovascular regulation. Porter JP, et al. **Am J Physiol** 1986 Sep;251(3 Pt 2):R510–7

Neurogenesis in adult vertebrate spinal cord in situ and in vitro: a new model system. Anderson MJ, et al. **Ann NY Acad Sci** 1985;457:213–33 (58 ref.)

The role of brain and spinal cord norepinephrine in autoanalgesia. Chance WT. **Ann NY Acad Sci** 1986; 467:309–30 (43 ref.)

Effects of passive flexion of the forepaw on the response gain of limb extensors to sinusoidal stimulation of labyrinth receptors. d'Ascanio P, et al. **Arch Ital Biol** 1985 Jul; 123(3):195–221

Intra-operative recording of cortical somatosensory evoked potentials as a method of spinal cord monitoring during spinal surgery. Whittle IR, et al. **Aust NZ J Surg** 1986 Apr;56(4):309–17

Fixation of spinal reflex alterations in spinal rats by sensory nerve stimulation. Steinmetz JE, et al. **Behav Neurosci** 1985 Feb;99(1):97–108

Classification of adenosine receptors mediating antinociception in the rat spinal cord. Sawynok J, et al. **Br J Pharmacol** 1986 Aug;88(4):923–30

Transneuronal labelling of neurones projecting to forelimb motoneurones in cats performing different movements. Alstermark B, et al. **Brain Res** 1986 Jun 25;376(2):387–91

Activity of C3–C4 propriospinal neurons during fictitious forelimb locomotion in the cat. Arshavsky YI, et al. **Brain Res** 1986 Jan 22;363(2):354–7

Supraspinal inhibition of trigeminal input into subnucleus caudalis by dorsal column stimulation. Atweh SF, et al. **Brain Res** 1985 Dec 2;348(2):401–4

Demonstration of the synaptic origin of primary afferent depolarisation (PAD) in the isolated spinal cord of the hamster. Bagust J, et al. **Brain Res** 1985 Aug 26; 341(2):385–9

Gradual changes in the recovery curve of monosynaptic reflex during postnatal development in kittens. Bawa P. **Brain Res** 1986 Aug;393(2):271–3

Somatostatin-like neurons are expressed in fetal neocortical homografts in adult rat spinal cord. Bernstein JJ, et al. **Brain Res** 1986 May 21;374(1):147–52

Discharge properties of motoneurons supplying distal forelimb muscles in the cat. Botterman BR, et al. **Brain Res** 1986 Jul 30;379(1):192–5

The role of putative excitatory amino acid neurotransmitters in the initiation of locomotion in the lamprey spinal cord. II. The effects of amino acid uptake inhibitors. Brodin L, et al. **Brain Res** 1985 Dec 23;360(1–2):149–58

The role of putative excitatory amino acid neurotransmitters in the initiation of locomotion in the lamprey spinal cord. I. The effects of excitatory amino acid antagonists. Brodin L, et al. **Brain Res** 1985 Dec 23;360(1–2):139–48

Disruption of corticospinal plasticity by 6-hydroxydopamine as measured by intracortical microstimulation in rats. Castro AJ, et al. **Brain Res** 1986 Jan;389(1–2):295–8

Facilitation of lumbar monosynaptic reflexes by locus coeruleus in the rat. Chan JY, et al. **Brain Res** 1986 Mar 26;369(1–2):103–9

Lateral hypothalamic and peripheral cardiovascular afferent inputs to ventrolateral medullary neurons. Ciriello J, et al. **Brain Res** 1985 Nov 11;347(1):173–6

Excitation of mouse motoneurones by GABA-mediated primary afferent depolarization. Duchen MR. **Brain Res** 1986 Jul 30;379(1):182–7

Normal electrical activity is not required for the formation of specific sensory-motor synapses. Frank E, et al. **Brain Res** 1986 Jul 16;378(1):147–51

Descending inhibition of slow spinal reflex in an in vitro preparation of the newborn rat and its possible involvement in pain control. García-Arrarás JE, et al. **Brain Res** 1986 Jul 30;379(1):188–91

Inhibition of feline spinal cord dorsal horn neurons following electrical stimulation of nucleus paragigantocellularis lateralis. A comparison with nucleus raphe magnus. Gray BG, et al. **Brain Res** 1985 Dec 2;348(2):261–73

Do thalamic regions which project to rostral primate motor cortex receive spinothalamic input? Greenan TJ, et al. **Brain Res** 1986 Jan 8;362(2):384–8

Horseradish peroxidase evidence for a spinal projection from the preoptic area of the goldfish, a light and electron microscopic study. Gregory WA, et al. **Brain Res** 1985 Aug 19;341(1):82–91

Central drive on Renshaw cells coupled with phrenic motoneurons. Hilaire G, et al. **Brain Res** 1986 Jun 18; 376(1):133–9

Ionic mechanisms of 3 types of functionally different neurons in the lamprey spinal cord. Hill RH, et al. **Brain Res** 1985 Dec 9;358(1–2):40–52

Serotonin innervation of physiologically identified lamina I projection neurons. Hylden JL, et al. **Brain Res** 1986 Apr 9;370(2):401–4

Immunoneutralization of substance P attenuates the reflex pressor response to muscular contraction. Kaufman MP, et al. **Brain Res** 1986 Jul 2;377(1):199–203

Ascending spinal pathway for arterial pressor response elicited by ventral root afferent inputs in the cat. Kim J, et al. **Brain Res** 1986 Jul 2;377(1):182–5

Comparison of response properties of dorsal and ventral spinocerebellar tract neurons to a physiological stimulus. Kim JH, et al. **Brain Res** 1986 Mar 26;369(1–2):125–35

Do ipsilateral corticospinal fibers participate in the functional recovery following unilateral pyramidal lesions in monkeys? Kučera P, et al. **Brain Res** 1985 Dec 2; 348(2):297–303

Tonic descending inhibition in the stingray's spinal cord. Livingston CA, et al. **Brain Res** 1985 Dec 9; 358(1–2):339–42

Wide-dynamic-range dorsal horn neurons participate in the encoding process by which monkeys perceive the intensity of noxious heat stimuli. Maixner W, et al. **Brain Res** 1986 May 28;374(2):385–8

Tectospinal neurons in the cat have discharges coding gaze position error. Munoz DP, et al. **Brain Res** 1985 Aug 19; 341(1):184–8

Behavioral evidence for a crossed ascending pathway for pain transmission in the anterolateral quadrant of the rat spinal cord. Peschanski M, et al. **Brain Res** 1986 Jun 18; 376(1):164–8

Electrophysiological evidence for a role of the anterolateral quadrant of the spinal cord in the transmission of noxious messages to the thalamic ventrobasal complex in the rat. Peschanski M, et al. **Brain Res** 1985 Sep 2;342(1):77–84

Electrical stimulation reveals relatively ineffective sural nerve projections to dorsal horn neurons in the cat. Pubols LM, et al. **Brain Res** 1986 Apr 16;371(1):109–22

Inhibition of dorsal column nuclei by stimulation of trigeminal afferents in decerebrate-decerebellate cats. Saadé NE, et al. **Brain Res** 1985 Dec 2;348(2):405–7

Functional organization of the spinal reflex pathways from forelimb afferents to hindlimb motoneurones in the cat. II. Conditions of the interneuronal connections. Schomburg ED, et al. **Brain Res** 1986 Jun 11;375(2):280–90

Organization of diencephalic dopamine neurones projecting to the spinal cord in the rat. Skagerberg G, et al. **Brain Res** 1985 Sep 9;342(2):340–51

Periaqueductal gray inhibition of viscerointercostal and galvanic skin reflexes. Sonoda H, et al. **Brain Res** 1986 Mar 26;369(1–2):91–102

Directional sensitivity of, and neck afferent input to, cervical and lumbar interneurons modulated by neck rotation. Suzuki I, et al. **Brain Res** 1986 Mar 5;367(1–2):356–9

Characterization of forms of immunoreactive somatostatin in sensory neuron and normal and deafferented spinal cord. Tessler A, et al. **Brain Res** 1986 Apr 9;370(2):232–40

Spinal mechanisms of the analgesic action of electroconvulsive shock. Urca G, et al. **Brain Res** 1985 Aug 19;341(1):110–8

Role of spinal cord neuropeptides in pain sensitivity and analgesia: thyrotropin releasing hormone and vasopressin. Watkins LR, et al. **Brain Res** 1986 Jan 8;362(2):308–17

Descending pathways eliciting forelimb stepping in the lateral funiculus: experimental studies with stimulation and lesion of the cervical cord in decerebrate cats. Yamaguchi T. **Brain Res** 1986 Jul 30;379(1):125–36

Activation of spinal cord interneurons which process inputs from the femoral-saphenous vein. Yates BJ, et al. **Brain Res** 1985 Dec 16;359(1–2):383–7

Recovery of locomotor function after hemisection of the spinal cord in cats. Eidelberg E, et al. **Brain Res Bull** 1986 Apr;16(4):507–15

Modification of motor output to compensate for unanticipated load conditions during rapid voluntary movements. Lee RG, et al. **Can J Neurol Sci** 1986 May; 13(2):97–102

Spontaneous and GABA-induced single channel currents in cultured murine spinal cord neurons. Mathers DA. **Can J Physiol Pharmacol** 1985 Oct;63(10):1228–33

Segmental projection from muscle spindles: a perspective from the upper cervical spinal cord. Rose PK, et al. **Can J Physiol Pharmacol** 1986 Apr;64(4):505–8

Critical neuromonitoring at spinal and brainstem levels by somatosensory evoked potentials. Desmedt JE. **Cent Nerv Syst Trauma** 1985 Fall;2(3):169–86

Spinal cord monitoring: current status and new developments. Schramm J. **Cent Nerv Syst Trauma** 1985 Fall;2(3):207–27 (80 ref.)

Cardiovascular responses of the bullfrog (Rana catesbeiana) to thermal stimulation of the spinal cord. Nagai M, et al. **Comp Biochem Physiol [A]** 1985;82(1):77–81

Early development of voltage-dependent sodium currents in cultured mouse spinal cord neurons. MacDermott AB, et al. **Dev Biol** 1986 Feb;113(2):317–26

Neurological control of locomotion. Joseph J. **Dev Med Child Neurol** 1985 Dec;27(6):822–6

Synapse formation and induction of acetylcholine receptors by spinal neurones in cocultures with sympathetic ganglion and muscle cells. Leah JD, et al. **Dev Neurosci** 1986; 8(2):76–88

Spinal motor preparation in humans. Frank JS. **Electroencephalogr Clin Neurophysiol** 1986 Apr; 63(4):361–70

Somatosensory evoked potentials from posterior tibial nerve and lumbo-sacral dermatomes. Katifi HA, et al. **Electroencephalogr Clin Neurophysiol** 1986 Jul;65(4):249–59

Short latency somatosensory and spinal evoked potentials: power spectra and comparison between high pass analog and digital filter. Maccabee PJ, et al. **Electroencephalogr Clin Neurophysiol** 1986 May; 65(3):177–87

Trigemino cervical reflex in man. Sartucci F, et al. **Electromyogr Clin Neurophysiol** 1986 Mar–Apr;26(2):123–9

The hindlimb extension reflex is not a reliable marker of post-decapitation convulsions or spinal noradrenaline depletion in rats. Danysz W, et al. **Eur J Pharmacol** 1985 Oct 22;116(3):331–3

Opioid control of the function of primary afferent substance P fibres. Lembeck F, et al. **Eur J Pharmacol** 1985 Aug 27;114(3):241–6

Dual effects of acetaldehyde on electrical activity in the isolated frog spinal cord. Takeda R, et al. **Eur J Pharmacol** 1985 Jul 31;113(3):409–16

A differentiation between peripheral and central neurokinin receptors using phenoxybenzamine. Vaught JL, et al. **Eur J Pharmacol** 1986 Jun 24;125(3):325–31

Spinal cord circuitry and motor reflexes. McCrea DA. **Exerc Sport Sci Rev** 1986;14:105–41 (133 ref.)

Cutaneous facilitation of transmission in Ib reflex pathways in the human upper limb. Cavallari P, et al. **Exp Brain Res** 1985;60(1):197–9

The heteronymous monosynaptic actions of triceps surae group Ia afferents on hip and knee extensor motoneurones in the cat. Edgley S, et al. **Exp Brain Res** 1986;61(2):443–6

Cortifugal influences on dorsal column nuclei: an electrophysiological study in the rat using the cortical spreading depression technique. Giuffrida R, et al. **Exp Brain Res** 1986;61(3):649–53

Connections between pericruciate cortex and the medullary reticulospinal neurons in cat: an electrophysiological study. He XW, et al. **Exp Brain Res** 1985;61(1):109–16

Differential effects of stimulation of the cat's red nucleus on lumbar alpha motoneurones and their Renshaw cells. Henatsch HD, et al. **Exp Brain Res** 1986;62(1):161–74

An electrophysiological investigation of propriospinal inspiratory neurons in the upper cervical cord of the cat. Lipski J, et al. **Exp Brain Res** 1986;61(3):625–37

Pathways mediating descending control of spinal nociceptive transmission from the nuclei locus coeruleus (LC) and raphe magnus (NRM) in the cat. Mokha SS, et al. **Exp Brain Res** 1986;61(3):597–606

Spinal neuronal inhibition and EEG synchrony by electrical stimulation in subcortical forebrain regions of the cat. Siegel J, et al. **Exp Brain Res** 1986;62(2):363–72

Cerebellar projections from the cervical enlargement: an experimental study with silver impregnation and autoradiographic techniques in the cat. Wiksten B, et al. **Exp Brain Res** 1986;61(3):513–8

Recovery of postural control following chronic bilateral hemisections at different spinal cord levels in adult cats. Kato M, et al. **Exp Neurol** 1985 Nov;90(2):350–64

Long-term effects of spinal cord transection on fast and slow rat skeletal muscle. I. Contractile properties. Lieber RL, et al. **Exp Neurol** 1986 Mar;91(3):423–34

Long-term effects of spinal cord transection on fast and slow rat skeletal muscle. II. Morphometric properties. Lieber RL, et al. **Exp Neurol** 1986 Mar;91(3):435–48

Serial recording of reflexes after feline spinal cord transection. Little JW. **Exp Neurol** 1986 Sep;93(3):510–21

Effect of electroconvulsive shock on the cervical evoked potential in the rat. Shaw NA. **Exp Neurol** 1986 Mar; 91(3):646–9

Fiber type and fiber size of cat ankle, knee, and hip extensors and flexors following low thoracic spinal cord transection at an early age. West SP, et al. **Exp Neurol** 1986 Jan; 91(1):174–82

Somatostatin actions in primary dissociated cell cultures of mammalian spinal cord neurons. Macdonald RL, et al. **Int J Neurol** 1980;14(2–4):221–32

Neurophysiological aspects of centrally acting peptides. Renaud LP. **Int J Neurol** 1980;14(2–4):210–20 (55 ref.)

Noradrenergic projections to the spinal cord and their role in cardiovascular control. Coote JH. **J Auton Nerv Syst** 1985 Nov;14(3):255–62 (55 ref.)

Projections of supraspinal structures to the phrenic motor nucleus in cats studied by a horseradish peroxidase microinjection method. Onai T, et al. **J Auton Nerv Syst** 1986 May;16(1):61–77

Properties of femoral venous afferent inputs and lumbosacral distribution of spinal evoked activity. Thompson FJ, et al. **J Auton Nerv Syst** 1986 Mar;15(3):245–61

Properties of spinal cord processing of femoral venous afferent input revealed by analysis of evoked potentials. Yates BJ, et al. **J Auton Nerv Syst** 1985 Oct;14(2):201–7

Cutaneous receptive fields of somatic and viscerosomatic neurones in the thoracic spinal cord of the cat. Cervero F, et al. **J Comp Neurol** 1985 Jul 15;237(3):325–32

Physiology and morphology of the lamina I spinomesencephalic projection. Hylden JL, et al. **J Comp Neurol** 1986 May 22;247(4):505–15

Regeneration of motoneuron axons into the adult frog spinal cord after ventral-to-dorsal-root anastomosis. Liuzzi FJ, et al. **J Comp Neurol** 1986 May 1;247(1):111–22

Serotonin modulates the central pattern generator for locomotion in the isolated lamprey spinal cord. Harris-Warrick RM, et al. **J Exp Biol** 1985 May;116:27–46

New approaches to the study of bulbospinal (B3) serotonergic neurons in the control of blood pressure. Chalmers JP, et al. **J Hypertension [Suppl]** 1985 Dec;3(4):S5–9

Hierarchy of blood pressure control mechanisms after spinal sympathectomy. Mikami H, et al. **J Hypertension [Suppl]** 1983 Dec;1(2):62–5

Serotonergic hypotensive mechanism in rats: involvement of bulbospinal fibres. Ramirez AJ, et al. **J Hypertension [Suppl]** 1986 Apr;4(1):S47–9

Influence of spinal cord stimulation upon myosin light chain and tropomyosin subunit expression in a fast muscle (posterior latissimus dorsi) of the chick embryo. Gardahaut MF, et al. **J Muscle Res Cell Motil** 1985 Dec;6(6):769–81

Involvement of postsynaptic alpha 1- and alpha 2-adrenoceptors in the flexor reflex activity in the spinal rats. Rawlów A, et al. **J Neural Transm** 1986;66(2):93–105

Tetanus toxin in dissociated spinal cord cultures: long-term characterization of form and action. Habig WH, et al. **J Neurochem** 1986 Sep;47(3):930–7

Demonstration of an autoreceptor modulating the release of [3H]5-hydroxytryptamine from a synaptosomal-rich spinal cord tissue preparation. Monroe PJ, et al. **J Neurochem** 1985 Dec;45(6):1886–94

Amino acid levels in the guinea pig spinal gray matter after axotomy of primary sensory and descending tracts. Potashner SJ, et al. **J Neurochem** 1986 Aug;47(2):412–22

Regional specialization of the radial glial cells of the adult frog spinal cord. Miller RH, et al. **J Neurocytol** 1986 Apr; 15(2):187–96

Viscero-somatic and viscero-visceral reflexes in brain death. Conci F, et al. **J Neurol Neurosurg Psychiatry** 1986 Jun; 49(6):695–8

Tonic neck reflex of the decerebrate cat: a role for propriospinal neurons. Brink EE, et al. **J Neurophysiol** 1985 Oct;54(4):978–87

Dorsal horn potentials and current source densities evoked by single action potentials in single slowly adapting type I axons. Brown PB, et al. **J Neurophysiol** 1986 May; 55(5):1104–13

Discharge patterns of reticulospinal and other reticular neurons in chronic, unrestrained cats walking on a treadmill. Drew T, et al. **J Neurophysiol** 1986 Feb; 55(2):375–401

Structure–function relationships in rat medullary and cervical dorsal horns. I. Trigeminal primary afferents. Jacquin MF, et al. **J Neurophysiol** 1986 Jun;55(6):1153–86

Plasticity of medial gastrocnemius motor units following cordotomy in the cat. Munson JB, et al. **J Neurophysiol** 1986 Apr;55(4):619–34

Voltage-clamp analysis of a Ca2+- and voltage-dependent chloride conductance in cultured mouse spinal neurons. Owen DG, et al. **J Neurophysiol** 1986 Jun;55(6):1115–35

Somatotopic organization in cat spinal cord segments with fused dorsal horns: caudal and thoracic levels. Ritz LA, et al. **J Neurophysiol** 1985 Nov;54(5):1167–77

Effects of groups of propriospinal interneurons on fictive swimming in the isolated spinal cord of the lamprey. Rovainen CM. **J Neurophysiol** 1985 Oct;54(4):959–77

Multiple axon collaterals of single corticospinal axons in the cat spinal cord. Shinoda Y, et al. **J Neurophysiol** 1986 Mar; 55(3):425–48 (59 ref.)

Morphological observations of motor units connected in-series to Golgi tendon organs. Spielmann JM, et al. **J Neurophysiol** 1986 Jan;55(1):147–62

Ascending pathways in the spinal cord involved in triggering of diffuse noxious inhibitory controls in the rat. Villanueva L, et al. **J Neurophysiol** 1986 Jan;55(1):34–55

Adaptive plasticity in primate spinal stretch reflex: persistence. Wolpaw JR, et al. **J Neurophysiol** 1986 Feb; 55(2):272–9

Response and receptive-field properties of spinomesencephalic tract cells in the cat. Yezierski RP, et al. **J Neurophysiol** 1986 Jan;55(1):76–96

Lactoseries carbohydrates specify subsets of dorsal root ganglion neurons projecting to the superficial dorsal horn of rat spinal cord. Dodd J, et al. **J Neurosci** 1985 Dec; 5(12):3278–94

Multielectrode analysis of coordinated, multisite, rhythmic bursting in cultured CNS monolayer networks. Droge MH, et al. **J Neurosci** 1986 Jun;6(6):1583–92

Characterization of inhibition of the spinal nociceptive tail-flick reflex in the rat from the medullary lateral reticular nucleus. Gebhart GF, et al. **J Neurosci** 1986 Mar; 6(3):701–13

Ependyma formation in adult rat spinal cord after transplantation of fetal cerebral cortex homografts. Bernstein JJ. **J Neurosci Res** 1986;15(4):481–90

Effect of morphine-induced cortical excitation on spinal sensory transmission. Hernandez A, et al. **J Neurosci Res** 1986;15(2):217–22

Centrally administered bombesin affects gastrointestinal transit and colonic bead expulsion through supraspinal mechanisms. Koslo RJ, et al. **J Pharmacol Exp Ther** 1986 Jul;238(1):62–7

Receptive field profiles and integrative properties of spinocervical tract cells in the cat. Brown AG, et al. **J Physiol (Lond)** 1986 May;374:335–48

Characterization of miniature inhibitory post-synaptic potentials in rat spinal motoneurones. Kojima H, et al. **J Physiol (Lond)** 1985 Nov;368:627–40

Development of the monosynaptic stretch reflex in the rat: an in vitro study. Kudo N, et al. **J Physiol (Lond)** 1985 Dec;369:127–44

Synaptic excitation in cultures of mouse spinal cord neurones: receptor pharmacology and behaviour of synaptic currents. Nelson PG, et al. **J Physiol (Lond)** 1986 Mar;372:169–90

A model of inward and outward membrane currents in cultured embryonic amphibian spinal neurons and reconstruction of the action potential. Barish ME. **J Physiol (Paris)** 1985;80(4):298–306

Functional change in the rat spinal cord by chronic spinal transection and possible roles of monoamine neurons. Ito T, et al. **Jpn J Pharmacol** 1985 Jul;38(3):243–51

Dopamine release and presynaptic dopaminergic regulation in guinea pig spinal cord. Kondo M, et al. **Jpn J Pharmacol** 1986 May;41(1):39–46

Approach for quantifying the overall function of the ascending central neural integration to release vasopressin in rats. Nakai M, et al. **Jpn J Physiol** 1985;35(6):887–901

Non-invasive examination of pyramidal tract by spinal evoked potentials [letter] Hugon J, et al. **Lancet** 1985 Nov 9;2(8463):1073

Human corticospinal tract conduction velocity [letter] Ingram DA, et al. **Lancet** 1985 Dec 14;2(8468):1369

Receptor–receptor interactions in the central nervous system. A new integrative mechanism in synapses. Fuxe K, et al. **Med Res Rev** 1985 Oct–Dec;5(4):441–82 (133 ref.)

An electroneurographic response [letter] De Grandis D, et al. **Muscle Nerve** 1986 Feb;9(2):185–6

Noninvasive measurement of spinal cord conduction: review of presently available methods. Eisen AA. **Muscle Nerve** 1986 Feb;9(2):95–103 (54 ref.)

Studies on the separate roles of forebrain and spinal serotonin in morphine analgesia. Romandini S, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Mar; 332(3):208–12

Involvement of medullary opioid-peptidergic and spinal noradrenergic systems in the regulation of formalin-induced persistent pain. Sugimoto M, et al. **Neuropharmacology** 1986 May;25(5):481–5

High gain transmission of single impulses through dorsal column nuclei of the cat. Ferrington DG, et al. **Neurosci Lett** 1986 Apr 24;65(3):277–82

Activation of substantia gelatinosa by midbrain reticular stimulation demonstrated with 2-deoxyglucose in the rat spinal cord. Gonzalez-Lima F. **Neurosci Lett** 1986 Apr 24;65(3):326–30

The ionic mechanisms underlying N-methyl-D-aspartate receptor-induced, tetrodotoxin-resistant membrane potential oscillations in lamprey neurons active during locomotion. Grillner S, et al. **Neurosci Lett** 1985 Oct 10; 60(3):289–94

Neurotoxic lesions of the paraventriculo-spinal projection block the nocturnal rise in pineal melatonin synthesis in the Syrian hamster. Hastings MH, et al. **Neurosci Lett** 1986 Aug 15;69(1):1–6

Ciliary ganglia and spinal cord explants release an ascorbate-like compound which stimulates proline hydroxylation and collagen formation in muscle cultures. Kalcheim C, et al. **Neurosci Lett** 1985 Jul 31;58(2):219–24

Spinal termination of nociceptive afferent fibres from deep tissues in the cat. Mense S, et al. **Neurosci Lett** 1986 May 15;66(2):169–74

A new pathway from primary afferents to the red nucleus. Padel Y, et al. **Neurosci Lett** 1986 Feb 14;64(1):75–80

Kinematics of locomotion in cats with partially deafferented spinal cords: the spared-root preparation. Rasmussen SA, et al. **Neurosci Lett** 1986 Apr 11;65(2):183–8

Flexion reflex elicited by ventral root afferents in the cat. Shin HK, et al. **Neurosci Lett** 1985 Dec 18;62(3):353–8

Hypermetria in forelimb target-reaching after interruption of the inhibitory pathway from forelimb afferents to C3–C4 propriospinal neurones. Alstermark B, et al. **Neurosci Res** 1986 Jul;3(5):457–61

Effects of dorsal column transection in the upper cervical segments on visually guided forelimb movements. Alstermark B, et al. **Neurosci Res** 1986 Jul;3(5):462–6

The inhibitory feedback pathway from the forelimb to C3–C4 propriospinal neurones investigated with natural stimulation. Alstermark B, et al. **Neurosci Res** 1986 Jul; 3(5):451–6

Maturation of opioid sensitivity of fetal mouse dorsal root ganglion neuron perikarya in organotypic cultures: regulation by spinal cord. Chalazonitis A, et al. **Neuroscience** 1986 Apr;17(4):1181–98

The brief and the prolonged facilitatory effects of unmyelinated afferent input on the rat spinal cord are independently influenced by peripheral nerve section. Wall PD, et al. **Neuroscience** 1986 Apr;17(4):1199–205

Tonic descending inhibition affects intensity coding of nociceptive responses of spinal dorsal horn neurones in the cat. Dickhaus H, et al. **Pain** 1985 Oct;23(2):145–58

The systemic administration of local anaesthetics produces a selective depression of C-afferent fibre evoked activity in the spinal cord. Woolf CJ, et al. **Pain** 1985 Dec; 23(4):361–74

Calcitonin gene-related peptide: brain and spinal action on intestinal motility. Fargeas MJ, et al. **Peptides** 1985 Nov-Dec;6(6):1167–71

Bulbospinal substance P and sympathetic regulation of the cardiovascular system: a review. Helke CJ, et al. **Peptides** 1985;6 Suppl 2:69–74 (61 ref.)

Dynorphin-A-(1–13) antagonizes morphine analgesia in the brain and potentiates morphine analgesia in the spinal cord. Ren MF, et al. **Peptides** 1985 Nov-Dec;6(6):1015–20

EMG activity in pectoral and femoral muscles during spinal cord cooling in exercising pigeons. Nomoto S, et al. **Pflugers Arch** 1985 Aug;404(4):337–41

Electrophysiological properties of sympathetic preganglionic neurons in the cat spinal cord in vitro. Yoshimura M, et al. **Pflugers Arch** 1986 Feb;406(2):91–8

Role of endogenous opiates and extracellular K+ accumulation in the inhibition of frog spinal reflexes by electrical skin stimulation. Syková E, et al. **Physiol Bohemoslov** 1985;34(6):548–61

Thyrotropin-releasing hormone mimics descending slow synaptic potentials in rat spinal motoneurons. Takahashi T. **Proc R Soc Lond [Biol]** 1985 Sep 23;225(1240):391–8

Organization and properties of spinal motoneurones and motor units. Kernell D. **Prog Brain Res** 1986;64:21–30 (55 ref.)

Spinal programs for locomotion. Loeb GE. **Prog Brain Res** 1986;64:273–80

Recovery of some vestibulooocular and vestibulospinal functions following unilateral labyrinthectomy. Precht W. **Prog Brain Res** 1986;64:381–9 (30 ref.)

The cholinergic systems in brain and spinal cord. Kása P. **Prog Neurobiol** 1986;26(3):211–72 (485 ref.)

Somatosensory evoked potentials in man: differentiation of spinal pathways responsible for conduction from the forelimb vs hindlimb. York DH. **Prog Neurobiol** 1985; 25(1):1–25 (203 ref.)

Involvement of spinal serotonergic pathways in nociception but not in avoidance learning. Ogren SO, et al. **Psychopharmacology (Berlin)** 1985;87(3):260–5

Neurotransmitters and differentiation antigens in subsets of sensory neurons projecting to the spinal dorsal horn. Jessell TM, et al. **Res Publ Assoc Res Nerv Ment Dis** 1986; 64:111–33 (111 ref.)

Intraspinal connections of dorsal column postsynaptic neurons in the cat—a physiological analysis. Lü GW, et al. **Sci Sin [B]** 1985 Sep;28(9):972–8

Effects of spinal lesions on temporal resolution of cutaneous sensations. Vierck CJ Jr, et al. **Somatosens Res** 1985; 3(1):45–56

Comparison of evoked spinal potentials by stimulation of the sciatic nerve and the spinal cord. Satomi K, et al.

Spine 1985 Dec;10(10):884–90

[The effect of acupuncture "Zusanli" on the substance P-evoked nociceptive responses of the dorsal horn neurons in the rat] Li CY, et al. Chen Tzu Yen Chiu 1985;10(3):202–6 (Eng. Abstr.) (Chi)

[Substance P displays opposite effects on electroacupuncture analgesia in the periaqueductal gray matter and spinal cord of the rabbit] Xie GX, et al. Chen Tzu Yen Chiu 1985; 10(2):125–30 (Eng. Abstr.) (Chi)

[The effect of iontophoretic phentolamine on acupuncture inhibitory effect on nociceptive response in dorsal horn neurons] Zhu LX. Chen Tzu Yen Chiu 1985;10(2):108–14 (Eng. Abstr.) (Chi)

[Supplementary observation on the neurotransmitters involved in the descending inhibitory pathway in the dorsal half of spinal cord in rabbits] Han ZS, et al. Sheng Li Hsueh Pao 1985 Feb;37(1):77–83 (Eng. Abstr.) (Chi)

[Excitatory effects of morphine on the toad spinal cord in vitro] Hu GY. Sheng Li Hsueh Pao 1985 Jun;37(3):274–81 (Eng. Abstr.) (Chi)

[Analgesic effect of serotonin and morphine in the spinal cord of the rat] Li SJ, et al. Sheng Li Hsueh Pao 1986 Feb; 38(1):19–25 (Eng. Abstr.) (Chi)

[Electrophysiological characteristics of the ascending fibers in the dorsolateral funiculus of the cat] Mei J. Sheng Li Hsueh Pao 1986 Feb;38(1):9–18 (Eng. Abstr.) (Chi)

[Dorsal column postsynaptic neurons] Lü GW. Sheng Li Ko Hsueh Chin Chan 1984 Oct;15(4):310–5 (Chi)

[Microdissection method for recording single unit activity from the white matter of the spinal cord] Mei J. Sheng Li Ko Hsueh Chin Chan 1985 Jul;16(3):277–8 (Chi)

[Progress in the research of brain stem descending noradrenergic pathways to the spinal cord] Ren K, et al. Sheng Li Ko Hsueh Chin Chan 1985 Jul;16(3):240–3 (42 ref.) (Chi)

[Effect of the central noradrenergic efferent pathway on spinal cord functions] Xie CW. Sheng Li Ko Hsueh Chin Chan 1984 Oct;15(4):306–9 (Chi)

[Lumbar cord potentials evoked by stimulation of the nerves of the lower limb in man] Georgesco M, et al. Rev Electroencephalogr Neurophysiol Clin 1985 Jul; 15(1):13–8 (Eng. Abstr.) (Fre)

[Endogenous opiates: 1. Enkephalins and their role in the regulation of gonadotropin secretion] Sribben C, et al. Berl Munch Tierarztl Wochenschr 1986 Jul 1;99(7):236–42 (Eng. Abstr.) (Ger)

[Age changes in early somatosensory evoked potentials] Strenge H. EEG EMG 1986 Jun;17(2):75–82 (Eng. Abstr.) (Ger)

[Generators of somatosensory evoked potentials following leg nerve stimulation] Wiethölter H, et al. EEG EMG 1985 Sep;16(3):126–9 (Eng. Abstr.) (Ger)

[Spinal and supraspinal organization of motor activity] Struppler A. Psychiatr Neurol Med Psychol Beih 1969; 10–11:123–8 (Ger)

[Effect of spinal CSF dynamics on the subarachnoid diffusion of a substance applied close to the spinal cord] Lanz E, et al. Reg Anaesth 1986 Jan;9(1):4–8 (Eng. Abstr.) (Ger)

[Experimental neurohistological studies on the bilateral spinal projection of snout primary sensory neurons] Chang CM. Kokubyo Gakkai Zasshi 1986 Mar;53(1):184–207 (Eng. Abstr.) (Jpn)

[Effects of ketamine on the unit activity of lamina V type cells of the lumbar dorsal horn] Akikawa K. Masui 1986 May;35(5):779–87 (Eng. Abstr.) (Jpn)

[The roles of the spinal serotonergic system in the nociceptive threshold and morphine-induced analgesia in mice] Arimura T. Masui 1986 Jan;35(1):12–21 (Eng. Abstr.) (Jpn)

[Effect of neuroleptanalgesia on spinal function—the change in unit activities of lamina V type cells] Nagasaka H, et al. Masui 1985 Aug;34(8):1054–9 (Eng. Abstr.) (Jpn)

[Effects of enflurane on the lumbar dorsal horn unit activity in cats] Nagasaka H, et al. Masui 1985 Oct;34(10):1310–5 (Eng. Abstr.) (Jpn)

[Spinal axon collaterals of vestibulo-spinal tract neurons identified by intracellular injection of horseradish peroxidase (HRP)] Ohgaki T. Nippon Jibiinkoka Gakkai Kaiho 1986 May;89(5):580–94 (Eng. Abstr.) (Jpn)

[Motor activity—3. Spinal cord control of the brain] Shinoda Y. Nippon Rinsho 1985 Jul;43(7):1363–7 (Jpn)

[Experimental study of spinal cord evoked potentials in cats] Baba H. Nippon Seikeigeka Gakkai Zasshi 1986 Jun; 60(6):623–36 (Eng. Abstr.) (Jpn)

[Central and peripheral factors affecting sweating activity] Ogawa T. Nippon Seirigaku Zasshi 1986;48(1):1–13 (121 ref.) (Jpn)

[Formation of the spinal reflex arc] Kudo N. No To Shinkei 1986 May;38(5):445–56 (83 ref.) (Jpn)

[The pattern of projection of the spinocerebellar systems] Matsushita M. No To Shinkei 1985 Dec;37(12):1121–34 (41 ref.) (Jpn)

[Endogenous inhibitory system in pain] Tsubaki T, et al. Sangyo Ika Daigaku Zasshi 1986 Jun 1;8(2):229–38 (23 ref.) (Eng. Abstr.) (Jpn)

[Effect of electrostimulation of the dorsolateral funiculus of the spinal cord on changes in the cardiac rhythm in acute myocardial ischemia] Pivovarov Iul, et al. Biull Eksp Biol Med 1985 Dec;100(12):655–7 (Eng. Abstr.) (Rus)

[Possible general mechanism of the presynaptic action of mediators] Abramets II, et al. Dokl Akad Nauk SSSR 1986 Mar–Apr;287(1):245–8 (Rus)

[Age and changes in the H-reflex and F-wave] Gorbacheva FE, et al. Fiziol Cheloveka 1986 May–Jun;12(3):508–11 (Rus)

[Status of motor neurons and the monosynaptic reflex arc before a simple voluntary movement] Kozhina GV, et al. Fiziol Cheloveka 1985 Jul–Aug;11(4):606–15 (Rus)

[Nature of a mediator participating in reflex inhibition of the activity of the lymphatic center of the frog] Serbeniuk TsV, et al. Fiziol Zh SSSR 1985 Jul;71(7):889–95 (Eng. Abstr.) (Rus)

[Functional status of the segmental apparatus of the human spinal cord during changes in strain during local static work] Kuchma VR. Gig Tr Prof Zabol 1985 Sep;(9):23–6 (Eng. Abstr.) (Rus)

[Projections of neurons of the hypothalamic locomotor region to brain stem and spinal cord structures in the cat] Baev KV, et al. Neirofiziologiia 1985;17(6):817–23 (Eng. Abstr.) (Rus)

[Multi-component synaptic potentials of rubrospinal neurons of the cat induced by corticofugal spike trains] Fanardzhian VV, et al. Neirofiziologiia 1985;17(5):665–73 (Eng. Abstr.) (Rus)

[Analysis of the components of synaptic potentials induced by corticofugal spikes in the rubrospinal neurons of the cat] Gorodnov VL, et al. Neirofiziologiia 1985; 17(5):692–700 (Eng. Abstr.) (Rus)

[Effect of stimulation of the superior colliculi of the tectum mesencephali on the motor neurons of the neck muscles of the cat] Gura EV, et al. Neirofiziologiia 1986; 18(2):197–202 (Eng. Abstr.) (Rus)

[Synaptic interactions of individual motor neurons of the spinal cord of the carp] Karamian OA, et al. Neirofiziologiia 1986;18(2):262–6 (Eng. Abstr.) (Rus)

[Transmission in the sensorimotor synapses of the lumbar spinal cord in Rana ridibunda tadpoles] Shupliakov OV. Zh Evol Biokhim Fiziol 1986 Mar–Apr;22(2):174–80 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Cerebral dysfunction in hypertonics detected by supraspinal influences on the H-reflex. Jergelová M, et al. Act Nerv Super (Praha) 1986 Jun;28(2):149–51

Comparison of somatosensory evoked responses from root and cord recorded by skin and epidural electrodes using stimulation of the median nerve in cervical radiculopathy and radiculomyelopathy. Heiskari M, et al. Acta Neurochir (Wien) 1986;79(2–4):114–9

Assessment of spinal cord conduction in cervical myelopathies by spinal stenosis or herniated disc. D'Alpa F, et al. Acta Neurol (Napoli) 1985 Oct;7(5):394–400

Interstitial ion concentrations and paroxysmal discharges in hippocampal formation and spinal cord. Somjen GG, et al. Adv Neurol 1986;44:663–80 (49 ref.)

Vestibulospinal function assessment by moving platform posturography. Black FO. Am J Otol 1985 Nov; Suppl:39–46

Medullospinal sympathoexcitatory neurons in normotensive and spontaneously hypertensive rats. Sun MK, et al. Am J Physiol 1986 May;250(5 Pt 2):R910–7

Corticospinal tract conduction time in multiple sclerosis. Mills KR, et al. Ann Neurol 1985 Nov;18(5):601–5

Clinical neurophysiology of conduction in central motor pathways. Young RR, et al. Ann Neurol 1985 Nov; 18(5):606–10

Possible neurohumoral mechanisms in CNS stimulation for pain suppression. Meyerson BA, et al. Appl Neurophysiol 1985;48(1–6):175–80

Central nervous system mechanisms for pain modulation. Willis WD Jr. Appl Neurophysiol 1985;48(1–6):153–65

Mechanisms of causalgia and related clinical conditions. The role of the central and of the sympathetic nervous systems. Schott GD. Brain 1986 Aug;109 (Pt 4):717–38

Spinal noradrenergic neurotransmission and the analgesia induced by brief footshock. Danysz W, et al. Brain Res 1986 Feb 12;365(1):169–73

Examination of spinal monoamine receptors through which brainstem opiate-sensitive systems act in the rat. Jensen TS, et al. Brain Res 1986 Jan 15;363(1):114–27

Characterization of coeruleospinal inhibition of the nociceptive tail-flick reflex in the rat: mediation by spinal alpha 2-adrenoceptors. Jones SL, et al. Brain Res 1986 Feb 5;364(2):315–30

Dorsal column postsynaptic neurons in the cat are excited by myelinated nociceptors. Kamogawa H, et al. Brain Res 1986 Feb 5;364(2):386–90

Dependence of axolemmal differentiation on contact with glial cells in chronically demyelinated lesions of cat spinal cord. Rosenbluth J, et al. Brain Res 1985 Dec 9; 358(1–2):287–302

Supraspinal modulation of nociception in awake rats by stimulation of the dorsal column nuclei. Saadé NE, et al. Brain Res 1986 Mar 26;369(1–2):307–10

The vestibulospinal free fall response: a test of descending function in spinal-injured cats. Gruner JA, et al. Cent Nerv Syst Trauma 1984 Winter;1(2):139–59

Pain and symptom control: I. Ajemian I. Cons Med 1986 Mar;50(3):157–61

Short latency somatosensory evoked potentials with central subcomponents observed in brachial plexus and in cervical and cortical recordings in man. Tarkka IM. Electromyogr Clin Neurophysiol 1986 Mar–Apr; 26(2):95–101

Prolonged discharge of wide-dynamic-range spinal neurons evoked by formaldehyde injected in their cutaneous receptive fields. Banna NR, et al. Exp Neurol 1986 Jul; 93(1):275–8

A theoretical study of epidural electrical stimulation of the spinal cord—Part II: Effects on long myelinated fibers. Coburn B. IEEE Trans Biomed Eng 1985 Nov; 32(11):978–86

Axonal regeneration in spinal cord injury: a perspective and new technique. Borgens RB, et al. J Comp Neurol 1986 Aug 8;250(2):157–67

Long-term effects of spinal cord stimulation in chronic pain syndromes. Vogel HP, et al. J Neurol 1986 Feb;233(1):16–8

Presynaptic inhibition of monosynaptic reflexes in the lower limbs of subjects with upper motoneuron disease. Iles JF, et al. J Neurol Neurosurg Psychiatry 1986 Aug;49(8):937–44

Lack of benefit from cervical cord stimulation for dystonia [letter] Fahn S. N Engl J Med 1985 Nov 7;313(19):1229

Responses of spinal cord neurones to noxious and non-noxious stimulation of the skin and testicle of the rat. Kanui TI. Neurosci Lett 1985 Aug 5;58(3):315–9

Noradrenaline depletion increases noradrenaline-induced antinociception in mice. Post C, et al. Neurosci Lett 1985 Aug 16;59(1):105–9

Voluntary muscle release is not accompanied by H-reflex inhibition in patients with upper moto neuron lesions. Schieppati M, et al. Neurosci Lett 1985 Oct 24; 61(1–2):177–81

Rapid rejection of fetal chick neocortical xenografts into the spinal cord of adult rats. Tang Y, et al. Neurosci Lett 1986 Jan 2;63(1):81–5

Somatosensory systems and the milk-ejection reflex in the rat. II. The effects of lesions in the ventroposterior thalamic complex, dorsal columns and lateral cervical nucleus-dorsolateral funiculus. Dubois-Dauphin M, et al. Neuroscience 1985 Aug;15(4):1131–40

Injury-induced plasticity of the flexor reflex in chronic decerebrate rats. Woolf CJ, et al. Neuroscience 1985 Oct; 16(2):395–404

Use of a flexible epidural stimulating electrode for intraoperative monitoring of spinal somatosensory evoked potentials. Britt RH, et al. Spine 1986 May;11(4):348–51

Evaluation of cervical cord function in cervical spondylotic myelopathy and/or radiculopathy using both segmental conductive spinal-evoked potentials (SEP). Kotani H, et al. Spine 1986 Apr;11(3):185–90

Spinal and cortical somatosensory evoked potential monitoring during corrective spinal surgery with 108 patients. Ryan TP, et al. Spine 1986 May;11(4):352–61

Functional recovery of locomotive behavior in the adult spinal dog. Handa Y, et al. Tohoku J Exp Med 1986 Apr; 148(4):373–84

[Somatosensory evoked potentials in intraspinal tumors] Mauguière F, et al. Rev Electroencephalogr Neurophysiol Clin 1985 Jul; 15(1):95–106 (Eng. Abstr.) (Fre)

[Generators of somatosensory evoked potentials following stimulation of nerves of the arm] Stöhr M, et al. EEG EMG 1985 Sep;16(3):130–3 (Eng. Abstr.) (Ger)

[Opioids and the occurrence of pain] Herz A. Internist (Berlin) 1986 Jul;27(7):412–7 (Ger)

[Monitoring of cerebral and/or spinal cord damage with somatosensory evoked potentials in surgery of thoracic aortic aneurysm] Takaki O, et al. Masui 1985 Dec; 34(12):1594–600 (Eng. Abstr.) (Jpn)

[The change of the spinal evoked potential caused by constant-speed subacute compression of the spinal cord] Lee CS. Nippon Seikeigeka Gakkai Zasshi 1985 Nov; 59(11):949–60 (Eng. Abstr.) (Jpn)

[The inhibition of H-reflexes by passive static and sinusoidal stretch in normal subjects and spastic patients] Hashizume M, et al. Rinsho Shinkeigaku 1985 Aug;25(8):911–9 (Eng. Abstr.) (Jpn)

RADIATION EFFECTS

Glial proliferation in the irradiated rat spinal cord. Sims TJ, et al. Acta Neuropathol (Berl) 1985;68(2):169–72

A reappraisal of the roles of glial and vascular elements in the development of white matter necrosis in irradiated rat spinal cord. Myers R, et al. Br J Cancer [Suppl] 1986; 7:221–3

Tolerance of human spinal cord to high energy neutrons [letter] Peters LJ, et al. Int J Radiat Oncol Biol Phys 1986 Feb;12(2):292–3

Motor conduction velocity in the human spinal cord: slowed conduction in multiple sclerosis and radiation myelopathy. Snooks SJ, et al. J Neurol Neurosurg Psychiatry 1985 Nov; 48(11):1135–9

Effect of combined AZQ and radiation on the tolerance of the rat spinal cord. Ang KK, et al. J Neurooncol 1986; 3(4):349–52

An iso-effect table for radiation tolerance of the human thoracic spinal cord. A new approach on the basis of the DFT conception. Vodvářka P, et al. Neoplasma 1986; 33(3):323–31

Chronic effects of neutrons and charged particles on spinal cord, lung, and rectum. van der Kogel AJ. **Radiat Res [Suppl]** 1985;8:S208–16

Effects of intrathecal methotrexate and cytosine arabinoside on the radiation tolerance of the rat spinal cord. van der Kogel AJ, et al. **Radiother Oncol** 1985 Nov;4(3):239–51

Hyperbaric oxygen therapy for radiation myelitis. Poulton TJ, et al. **Undersea Biomed Res** 1985 Dec;12(4):453–8

[Myelopathy and peripheral neuropathy after radiotherapy] Berstad J. **Tidsskr Nor Laegeforen** 1986 Mar 10; 106(7):563–5 (Eng. Abstr.) **(Nor)**

[Tolerance of the brain and spinal cord to fractionated irradiation] Zholkiver KI. **Med Radiol (Mosk)** 1986 Aug; 31(8):72–5 (46 ref.) **(Rus)**

[Objective criteria for determining the degree of radiation injury of nerve cells in a cerebral syndrome] Shcherbatykh IuV, et al. **Radiobiologiia** 1986 May–Jun;26(3):397–9 (Eng. Abstr.) **(Rus)**

[Temporal characteristics of radiation responses of spinal cord neurons] Shcherbatykh IuV. **Radiobiologiia** 1985 Sep–Oct;25(5):710–2 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

ABC of spinal cord injury. Radiological investigations. Grundy D, et al. **Br Med J [Clin Res]** 1985 Dec 14; 291(6510):1702–5

Simultaneous bifemoral retrograde arteriography under pressure. First stage in angiographic exploration of the spine and spinal cord. Melki JP, et al. **J Neuroradiol** 1986; 13(1):62–70 **(Eng, Fre)**

Morphology and measurements of the cervical spinal cord in computer-assisted myelography. Yu YL, et al. **Neuroradiology** 1985;27(5):399–402

SECRETION

Morphine and norepinephrine but not 5-hydroxytryptamine and gamma-aminobutyric acid inhibit the potassium-stimulated release of substance P from rat spinal cord slices. Pang IH, et al. **Brain Res** 1986 Jun 25; 376(2):268–79

Release of immunoreactive Met-enkephalin from the spinal cord by intraventricular beta-endorphin but not morphine in anesthetized rats. Tseng LF, et al. **Brain Res** 1985 Sep 16;343(1):60–9

Spinal release of immunoreactive Met-enkephalin by intraventricular beta-endorphin and its analogs in anesthetized rats. Tseng LF, et al. **J Pharmacol Exp Ther** 1986 Apr;237(1):65–74

Lack of inhibitory effect of aprotinin and bacitracin on the spinal release of Met-enkephalin induced by intraventricular beta-endorphin. Tseng LF, et al. **Peptides** 1986 Mar–Apr;7(2):369–71

Release of immunoreactive met-enkephalin by intraventricular beta-endorphin in anesthetized rats. Tseng LF, et al. **Regul Pept** 1986 May;14(3):181–92

SURGERY

The transoral approach to the base of the brain and upper cervical cord. Crockard HA. **Ann R Coll Surg Engl** 1985 Sep;67(5):321–5 (47 ref.)

Myelotomy and percutaneous cervical cordotomy for the treatment of cancer pain. Gildenberg PL. **Appl Neurophysiol** 1984;47(4–6):208–15

Technical pitfalls in median commissural myelotomy for malignant sacral pain. Goedhart ZD, et al. **Appl Neurophysiol** 1984;47(4–6):216–22

Woroschiloff's locating device for interventions on the spinal cord and its influence on spinal stereotaxis. Nádvorník P. **Appl Neurophysiol** 1985;48(1–6):247–51

Microsurgical selective procedures in peripheral nerves and the posterior root-spinal cord junction for spasticity. Sindou M, et al. **Appl Neurophysiol** 1985;48(1–6):97–104

Regeneration in peripheral nerve grafts to the cat spinal cord. Sceats DJ Jr, et al. **Brain Res** 1986 Jan 1;362(1):149–56

Fetal CNS transplants into adult spinal cord: techniques, initial effects, and caveats. Bernstein JJ, et al. **Cent Nerv Syst Trauma** 1984 Fall;1(1):39–46 (47 ref.)

Intraspinal rhizotomy and distal cordectomy in patients with myelomeningocele. McLaughlin TP, et al. **J Bone Joint Surg [Am]** 1986 Jan;68(1):88–94

Neural transplantation: scientific gains and clinical perspectives. Fishman PS. **Neurology** 1986 Mar; 36(3):389–92 (40 ref.)

Transplantation of dissociated foetal serotonin neurons into the transected spinal cord of adult rats. Privat A, et al. **Neurosci Lett** 1986 May 6;66(1):61–6

Neurosurgical treatment of cancer pain. Krieger AJ, et al. **NJ Med** 1986 Aug;83(8):529–36

Spinal cord monitoring. Electrophysiological measures of sensory and motor function during spinal surgery. Machida M, et al. **Spine** 1985 Jun;10(5):407–13

[Results of cervical chordotomy with and without rhizotomy in therapy-resistant pain in the shoulder and arm] Grunert P, et al. **Zentralbl Neurochir** 1985;46(3):267–71 (Eng. Abstr.) **(Ger)**

TRANSPLANTATION

Transplantation of cultured fetal spinal cord grafts, grown on a histocompatible substrate, into adult spinal cord. Bernstein JJ, et al. **Brain Res** 1986 Jul 9;377(2):403–8

Initial growth of transplanted E11 fetal cortex and spinal cord in adult rat spinal cord. Bernstein JJ, et al. **Brain Res** 1985 Sep 23;343(2):336–45

Intraocular grafts of nucleus raphe dorsalis provide cografted spinal cord with a serotonergic innervation. Henschen A, et al. **Brain Res Bull** 1985 Sep;15(3):335–42

Spinal cord grafts in oculo: survival, growth, histological organization and electrophysiological characteristics. Henschen A, et al. **Exp Brain Res** 1985;60(1):38–47

Intraspinal transplantation of embryonic spinal cord tissue in neonatal and adult rats. Reier PJ, et al. **J Comp Neurol** 1986 May 15;247(3):275–96

Transplantation of embryonic chick spinal cord into transection adult chicken spinal cords: a useful model for transplantation research. Grady MS, et al. **J Neurosci Res** 1985;14(4):403–14

ULTRASTRUCTURE

Serotonin-containing nerve fibers in the rat spinal cord: electron microscopic immunohistochemistry. Mizukawa K, et al. **Acta Med Okayama** 1986 Feb;40(1):1–10

Regenerating axons form nerve terminals at astrocytes. Carlstedt T. **Brain Res** 1985 Nov 11;347(1):188–91

Ultrastructural morphometric analysis of somatostatin-like immunoreactive neurones in the rat central nervous system after labelling with colloidal gold. Foster GA, et al. **Brain Res** 1985 Sep 2;342(1):117–27

Fine structure of collateral axons originating from feline spinocervical tract neurons. Maxwell DJ, et al. **Brain Res** 1986 Jan 15;363(1):199–203

Effect of hyperthermia on morphology and histochemistry of spinal cord in the rat. Godlewski A, et al. **Folia Histochem Cytobiol** 1986;24(1):53–63

Combined light and electron microscopy of Golgi-labelled neurons in lamina III of the feline spinal cord. Maxwell DJ. **J Anat** 1985 Aug;141:155–69

Observations on the fine structure of the phrenic nucleus in the cervical spinal cord of the cat with special reference to its dendritic bundles. Takahashi K, et al. **J Anat** 1985 May;140 (Pt 3):491–8

Immunoelectronmicroscopy of neural antigens on ultrathin frozen sections. Celio MR, et al. **J Histochem Cytochem** 1986 Apr;34(4):491–500

Synaptic terminals in the ventroposterolateral nucleus of the thalamus from neurons in the dorsal column and lateral cervical nuclei: an electron microscopic study in the cat. Blomqvist A, et al. **J Neurocytol** 1985 Dec;14(6):869–86

Determinants of directional specificity in the regeneration of lamprey spinal axons. Mackler SA, et al. **J Neurosci** 1986 Jun;6(6):1814–21

Development and loss of early projections in a sexually dimorphic rat spinal nucleus. Sengelaub DR, et al. **J Neurosci** 1986 Jun;6(6):1613–20

Morphological features and frequencies of various types of glial cells in the ventral horn of the chicken spinal card. Uehara M, et al. **Nippon Juigaku Zasshi** 1985 Oct; 47(5):791–8

Light and electron microscopy of the chicken coccygeal cord. Uehara M, et al. **Nippon Juigaku Zasshi** 1985 Dec; 47(6):963–70

Ultrastructural organization of lamina VI of the spinal cord of the cat. Tredici G, et al. **Prog Neurobiol** 1985; 24(4):293–331

Epithelial cells in a so-called intraspinal neurenteric cyst: a light and electron microscopic study. Matsushima T, et al. **Surg Neurol** 1985 Dec;24(6):656–60

[The subnucleus gelatinosus of the nucleus tractus solitarii is a catecholaminergic nucleus—immunohistochemical and ultrastructural studies in human fetuses] Takahashi H. **No To Shinkei** 1985 Aug;37(8):815–24 (Eng. Abstr.) **(Jpn)**

[Electrotonic synapses in the mammalian spinal cord] Motorina MV. **Arkh Anat Gistol Embriol** 1986 Jul; 91(7):13–20 (Eng. Abstr.) **(Rus)**

[Special forms of synaptic junctions in cultures of dissociated mammalian spinal cord and spinal ganglia] Skibo GG, et al. **Neirofiziologiia** 1986;18(1):132–5 (Eng. Abstr.) **(Rus)**

[Morphofunctional characteristics of spinal cord neurons in the early stages of cultivation] Museridze DP, et al. **Tsitologiia** 1985 Dec;27(12):1407–10 (Eng. Abstr.) **(Rus)**

[Ultrastructure of the synaptic junctions between spinal motor neurons in the frog Rana ridibunda] Motorina MV. **Zh Evol Biokhim Fiziol** 1986 Jan–Feb;22(1):55–60 (Eng. Abstr.) **(Rus)**

SPINAL CORD COMPRESSION

CHEMICALLY INDUCED

Compression of the spinal cord by paraffin [letter] Siqueira EB, et al. **South Med J** 1985 Dec;78(12):1525–6

COMPLICATIONS

Spinal cord compression in a child with acute lymphoblastic leukemia. Lo WD, et al. **Am J Pediatr Hematol Oncol** 1985 Winter;7(4):373–6

Acute urinary retention as a presenting sign of spinal cord compression. Tintinalli JE. **Ann Emerg Med** 1986 Oct; 15(10):1235–7

Cranio-vertebral pathology in Down syndrome. Braakhekke JP, et al. **Clin Neurol Neurosurg** 1985;87(3):173–9

Neurological deterioration after lumbar puncture below complete spinal subarachnoid block. Hollis PH, et al. **J Neurosurg** 1986 Feb;64(2):253–6

[Osteochondrosis of the thoracic spine complicated by paralysis of the lower extremities] Cwirko-Godycka D. **Chir Narzadow Ruchu Ortop Pol** 1985;50(4):320–2 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Relapse of lupus transverse myelitis mimicked by vertebral fractures and spinal cord compression. Henry AK, et al. **Arthritis Rheum** 1985 Nov;28(11):1307–11

Lhermitte's "sign" due to thoracic cord compression [letter] Baldwin RN, et al. **J Neurol Neurosurg Psychiatry** 1986 Jul;49(7):840–1

Comparison of nuclear magnetic resonance imaging and computed tomography in the diagnosis of upper cervical spinal cord compression. McAfee PC, et al. **Spine** 1986 May;11(4):295–304

[Spinal epidural hematoma in children and adolescents] Dauch WA. **Neurochirurgia (Stuttg)** 1986 May;29(3):83–9 (Eng. Abstr.) **(Ger)**

[The change of the spinal evoked potential caused by constant-speed subacute compression of the spinal cord] Lee CS. **Nippon Seikeigeka Gakkai Zasshi** 1985 Nov; 59(11):949–60 (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Successful chemotherapeutic decompression of epidural malignant germ cell tumor. Gale GB, et al. **Med Pediatr Oncol** 1986;14(2):97–9

Failure of naloxone to improve spinal cord blood flow and cardiac output after spinal cord injury. Wallace MC, et al. **Neurosurgery** 1986 Apr;18(4):428–32

ETIOLOGY

Spinal cord aspergillus invasion—complication of an aspergilloma. Sheth NK, et al. **Am J Clin Pathol** 1985 Dec; 84(6):763–9

Brown tumor in secondary hyperparathyroidism causing acute paraplegia. Bohlman ME, et al. **Am J Med** 1986 Sep; 81(3):545–7

Combination chemotherapy and radiation therapy. The medical management of epidural spinal cord compression from testicular cancer. Friedman HM, et al. **Arch Intern Med** 1986 Mar;146(3):509–12

The role of three-dimensional trabecular microstructure in the pathogenesis of vertebral compression fractures. Kleerekoper M, et al. **Calcif Tissue Int** 1985 Dec; 37(6):594–7

Epidural cord compression in association with genitourinary neoplasms. Liskow A, et al. **Cancer** 1986 Aug 15; 58(4):949–54

Congenital generalized fibromatosis causing spinal cord compression. Altemani AM, et al. **Hum Pathol** 1985 Oct; 16(10):1063–5

Spinal cord and cauda equinal compression by non-Hodgkin's lymphoma. O'Brien AA, et al. **Ir Med J** 1986 Apr;79(4):103–5

Transoral decompression and posterior fusion for rheumatoid atlanto-axial subluxation. Crockard HA, et al. **J Bone Joint Surg [Br]** 1986 May;68(3):350–6

Anterior decompression and stabilisation of metastatic spinal fractures. Fidler MW. **J Bone Joint Surg [Br]** 1986 Jan; 68(1):83–90

Malignant teratoma of the parapharyngeal space in an adult: a rare lesion presenting as cervical cord compression. Sacher M, et al. **J Comput Tomogr** 1986 Jan;10(1):37–40

Cervical spondylotic myelopathy: a case report. Toto BJ. **J Manipulative Physiol Ther** 1986 Mar;9(1):43–6

The spectrum of neurological manifestations in myeloma. Camacho J, et al. **J Med** 1985;16(5–6):597–611

The ominous discoloration of the spinal cord due to thoracic disk protrusions: a historical note [letter] Fisher RG. **J Neurol Neurosurg Psychiatry** 1986 Jul;49(7):844–5

Epidural haemangiomas during pregnancy. Lavi E, et al. **J Neurol Neurosurg Psychiatry** 1986 Jun;49(6):709–12

Spinal cord compression by an eosinophilic granuloma. Case report and review of the literature. Gangemi M, et al. **J Neurosurg Sci** 1985 Apr–Jun;29(2):117–21

Hypertrophy of the ligamenta flava of the cervical spine. Clinico-radiological correlations. Maiuri F, et al. **J Neurosurg Sci** 1985 Apr–Jun;29(2):89–92

Upper cervical cord compression as cause of death in osteogenesis imperfecta type II. Pauli RM, et al. **J Pediatr** 1986 Apr;108(4):579–81

Scheuermann's dorsal kyphosis and spinal cord compression: case report. Klein DM, et al. **Neurosurgery** 1986 May; 18(5):628–31

Cervical diastematomyelia [letter] Reynolds AF. **Neurosurgery** 1985 Dec;17(6):1014

Selective route of doxorubicin administration improves outcome in experimental malignant epidural cord compression. Siegal T, et al. **Neurosurgery** 1986 May; 18(5):576–80

Spinal subarachnoid haemorrhage presenting as spinal block without meningism. Duncombe AS, et al. **Postgrad Med J** 1985 Nov;61(721):991–3

Bilateral brachial paresis following anterior decompression for cervical spondylosis. West CG. **Spine** 1986 Mar; 11(2):176–8

[Technics and indications for surgical treatment in surgical neurologic complications of rheumatoid polyarthritis] Lesoin F, et al. **Acta Neurol Belg** 1985 Nov-Dec; 85(5):303–9 (Eng. Abstr.) **(Fre)**

[Flaccid paraplegia caused by spinal cord compression disclosing Wilms' tumor in a 12-year-old child] Marandian MH, et al. **Arch Fr Pediatr** 1985 Oct;42(8):695–7 (Eng. Abstr.) **(Fre)**

[Vertebral eosinophilic granuloma and spinal cord compression] Mayer M, et al. **Arch Fr Pediatr** 1985 Jun–Jul; 42(6):441–2 (Eng. Abstr.) **(Fre)**

[Epidural lipomatous compression. Apropos of a case] Conte D, et al. **Rev Med Interne** 1986 Mar;7(2):171–3 **(Fre)**

[Spinal cord compression caused by dorsal disk hernia. Complication of Scheuermann's disease] Bouchez B, et al. **Rev Neurol (Paris)** 1986;142(2):154–8 (Eng. Abstr.) **(Fre)**

[61 years' survival of Koch's bacillus in a closed focus. Disclosure in a case of spinal cord compression caused by sequelae of Pott's disease] Bouchez B, et al. **Rev Neurol (Paris)** 1985;141(5):420–2 (Eng. Abstr.) **(Fre)**

[A new case of vertebral osteonecrosis with spinal compression (letter)] Gatfosse M, et al. **Rev Rhum Mal Osteoartic** 1986 Apr;53(4):291–3 **(Fre)**

[Dorsal spinal cord compression of inflammatory origin in ankylosing spondylarthritis] Jean-Baptiste G, et al. **Rev Rhum Mal Osteoartic** 1985 Nov;52(11):635–7 **(Fre)**

[Cervical spinal cord compression and achondroplasia in adults. Treatment by reinforced acrylic prosthesis (letter)] Jomin M, et al. **Rev Rhum Mal Osteoartic** 1985 Oct; 52(10):595–6 **(Fre)**

[Clinical study of spinal cord compression due to metastatic epidural tumors] Ikehara O, et al. **Gan No Rinsho** 1986 Jan;32(1):76–84 (Eng. Abstr.) **(Jpn)**

[Spinal cord compression complicating gynecological malignancy—report of four cases] Tsukamoto N, et al. **Gan No Rinsho** 1986 Feb;32(2):219–24 (Eng. Abstr.) **(Jpn)**

[Vertebral body anomaly as the cause of juvenile spinal compression] Alvik E, et al. **Tidsskr Nor Laegeforen** 1986 Apr 10;106(9):754–5 (Eng. Abstr.) **(Nor)**

[Spinal cord involvement in Burkitt-type lymphoma: report of a case] Drummond MC, et al. **Arq Neuropsiquiatr** 1985 Jun;43(2):210–3 (Eng. Abstr.) **(Por)**

[Anterior spondylodesis in osteoblastoclastoma of vertebra CIII with a spinal cord compression syndrome] Nikiforov BM, et al. **Zh Vopr Neirokhir** 1985 Jul–Aug;(4):50–1 **(Rus)**

[Vertebral granuloma caused by coccidioidomycosis with compression of the spinal cord] Ruíz-Macías CM, et al. **Bol Med Hosp Infant Mex** 1985 Aug;42(8):497–500 (Eng. Abstr.) **(Spa)**

[Spinal compression in a thalassemic patient] Pallotta MG, et al. **Sangre (Barc)** 1985;30(5):921–6 (Eng. Abstr.) **(Spa)**

METABOLISM

Spinal cord edema, 5-hydroxytryptamine, lipid peroxidation, and lysosomal enzyme release after acute contusion and compression injury in primates. Abraham J, et al. **Cent Nerv Syst Trauma** 1985 Spring;2(1):45–60

Lipid hydrolysis and peroxidation in injured spinal cord: partial protection with methylprednisolone or vitamin E and selenium. Anderson DK, et al. **Cent Nerv Syst Trauma** 1985 Winter;2(4):257–67

Membrane lipid changes in laminectomized and traumatized cat spinal cord. Demediuk P, et al. **Proc Natl Acad Sci USA** 1985 Oct;82(20):7071–5

PATHOLOGY

[Clinical study and pathology of compression myelopathy] Ono K. **Nippon Seikeigeka Gakkai Zasshi** 1986 Jan; 60(1):103–18 **(Jpn)**

PHYSIOPATHOLOGY

The dissociation of early SEP components in lesions of the cervico-medullary junction: a cue for routine interpretation of abnormal cervical responses to median nerve stimulation. Mauguière F, et al. **Electroencephalogr Clin Neurophysiol** 1985 Nov; 62(6):406–20

Disturbance of the circulation in the spinal cord with epidural neoplasm. Kato A. **Med J Osaka Univ** 1985 Mar; 35(3–4):63–71

Incidence, presentation, and outcome of spinal cord disease in children with systemic cancer. Lewis DW, et al. **Pediatrics** 1986 Sep;78(3):438–43

Evaluation of cervical cord function in cervical spondylotic myelopathy and/or radiculopathy using both segmental conductive spinal-evoked potentials (SEP). Kotani H, et al. **Spine** 1986 Apr;11(3):185–90

A biomechanical study of thoracolumbar spinal fractures with bone in the canal. Part I. The effect of laminectomy. Tencer AF, et al. **Spine** 1985 Jul–Aug;10(6):580–5

A biomechanical study of thoracolumbar spinal fractures with bone in the canal. Part II. The effect of flexion angulation, distraction, and shortening of the motion segment. Tencer AF, et al. **Spine** 1985 Jul–Aug;10(6):586–9

Acute effects of dexamethasone on normal and on posttraumatic spinal cord polysynaptic reflex activity and axonal conduction. Nacimiento AC, et al. **Surg Neurol** 1986 Jul;26(1):13–6

Increased functional vulnerability to acute compression injury of a spinal cord segment under barbiturate anesthesia. Nacimiento AC, et al. **Surg Neurol** 1986 Jul;26(1):9–12

Acute changes in somatosensory evoked potentials following graded experimental spinal cord compression. Nacimiento AC, et al. **Surg Neurol** 1986 Jan;25(1):62–6

[Changes of microcirculation dynamics in the formation of edema following spinal compression injury in rabbits] Suzuki Y. **Nippon Seikeigeka Gakkai Zasshi** 1985 Jul; 59(7):707–18 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Cystic necrosis of the spinal cord in compressive cervical myelopathy: demonstration by iopamidol CT-myelography. Jinkins JR, et al. **AJR** 1986 Oct; 147(4):767–75

Don't take off with your fuel tanks half full. Avery JK. **J Tenn Med Assoc** 1986 Mar;79(3):161

Computed tomography in spinal hemangioma with cord compression. Report of two cases. Schnyder P, et al. **Skeletal Radiol** 1986;15(5):372–5

Medullary compression in rheumatoid atlanto-axial subluxation evaluated by computerized tomography. Toolanen G, et al. **Spine** 1986 Apr;11(3):191–4

[CT myelography for the diagnosis of spinal canal block] Shen WC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Oct; 84(10):1108–16 (Eng. Abstr.) **(Chi)**

[Roentgenological picture of non-neoplastic changes in the lumbar segment of the spine] Słuszkiewicz-Potaż Z, et al. **Chir Narzadow Ruchu Ortop Pol** 1985;50(4):297–300 (Eng. Abstr.) **(Pol)**

[Diagnostic possibilities of computerized tomography in non-neoplastic diseases of the spinal cord] Zhil'sov VK, et al. **Voen Med Zh** 1986 Feb;(2):25–8 **(Rus)**

RADIOTHERAPY

Curable paraplegia [letter] Abbassioun K, et al. **Neurosurgery** 1985 Sep;17(3):528

SURGERY

Effects of surgery on cervical spondylotic myelopathy. Wiberg J. **Acta Neurochir (Wien)** 1986;81(3–4):113–7

Surgical treatment of cervical cord compression in rheumatoid arthritis. Crockard HA, et al. **Ann Rheum Dis** 1985 Dec;44(12):809–16

Cord compression and carcinoma of the prostate: is laminectomy justified? Iacovou JW, et al. **Br J Urol** 1985 Dec;57(6):733–6

Double fixation of metastatic lesions of the lumbar and cervical vertebral bodies utilizing methylmethacrylate compound: report of a case and review of a series of cases. Mavian GZ, et al. **J Am Osteopath Assoc** 1986 Mar; 86(3):153–7

The transoral surgical approach to craniovertebral pathology. Blazier CJ, et al. **J Neurosci Nurs** 1986 Apr;18(2):57–62

Treatment of neoplastic epidural cord compression by vertebral body resection and stabilization. Sundaresan N, et al. **J Neurosurg** 1985 Nov;63(5):676–84

Malignant carcinoid causing spinal cord compression. Gowitt GT, et al. **Neurosurgery** 1985 Nov;17(5):801–6

Surgical decompression of anterior and posterior malignant epidural tumors compressing the spinal cord: a prospective study. Siegal T, et al. **Neurosurgery** 1985 Sep;17(3):424–32

Technical improvements and results of laminoplasty for compressive myelopathy in the cervical spine. Itoh T, et al. **Spine** 1985 Oct;10(8):729–36

Cervical laminoplasty using apatite beads as implants. Experiences in 31 patients with compressive myelopathy due to developmental canal stenosis. Koyama T, et al. **Surg Neurol** 1985 Dec;24(6):663–7

Compressive cervical myelopathy treated by canal expansive laminoplasty. Lin SM, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Feb;85(2):161–8

[Extended spinal decompression using an anterior approach in the treatment of myelopathies caused by cervical arthrosis] Senegas J, et al. **Rev Chir Orthop** 1985; 71(5):291–300 (Eng. Abstr.) **(Fre)**

[Anterior decompression of the spinal cord at the level of the thoracic vertebrae] Lutsik AA, et al. **Zh Vopr Neirokhir** 1986 Mar–Apr;(2):37–41 (Eng. Abstr.) **(Rus)**

THERAPY

Treatment of malignant epidural cord and cauda equina compression. Siegal T, et al. **Prog Exp Tumor Res** 1985; 29:225–34

SPINAL CORD DISEASES

Intramedulliary tuberculoma. Srinivasan T, et al. **J Assoc Physicians India** 1985 Sep;33(9):609–10

CEREBROSPINAL FLUID

Cerebrospinal fluid free amino acids in patients with spinal space-occupying lesions. A preliminary report. Piek J, et al. **Acta Neurochir (Wien)** 1985;78(1–2):43–5

Alteration of amino acids in cerebrospinal fluid from patients with Parkinson's disease and spinocerebellar degeneration. Araki K, et al. **Acta Neurol Scand** 1986 Feb;73(2):105–10

[Serotonin and its metabolites in the cerebrospinal fluid and blood of patients with tumors of the spinal cord] Makarov AIu, et al. **Zh Vopr Neirokhir** 1985 Sep-Oct;(5):12–5 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Spinal myoclonus and clinical worsening after intravenous contrast medium in a patient with spinal arteriovenous malformation. Casazza M, et al. **AJNR** 1985 Nov–Dec; 6(6):965–6

Changes in myelin and axonal proteins in CaCl2-induced myelopathy in rat spinal cord. Banik NL, et al. **Cent Nerv Syst Trauma** 1984 Winter;1(2):131–7

Cisplatin neuropathy with Lhermitte's sign. Dewar J, et al. **J Neurol Neurosurg Psychiatry** 1986 Jan;49(1):96–9

More on S.M.O.N. [editorial] **Lancet** 1971 Dec 4;2(7736):1244

Myelo-optic neuropathy induced by clioquinol in animals [letter] Tateishi J, et al. **Lancet** 1971 Dec 4;2(7736):1263–4

The correlation between neurotoxic esterase inhibition and mipafox-induced neuropathic damage in rats. Veronesi B, et al. **Neurotoxicology** 1986 Spring;7(1):207–15

Hematomyelia during anticoagulant therapy. Pisani R, et al. **Surg Neurol** 1985 Nov;24(5):578–80

CLASSIFICATION

[Progressive motor disability in spinal muscular atrophy. Psychosocial aspects and rehabilitation in adolescents and adults] Bussi L, et al. **Minerva Med** 1986 Feb 18; 77(5–6):155–69 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Non-traumatic quadriplegia and paraplegia in Dar es Salaam, Tanzania. Leigh PN. **East Afr Med J** 1986 May; 63(5):322–33

Sera from patients with motor neuron disease and associated paraproteinaemia fail to inhibit experimentally induced sprouting of motor nerve terminals. Donaghy M, et al. **J Neurol Neurosurg Psychiatry** 1986 Jul;49(7):817–9

Adult onset spinal muscular atrophy with atrophic testes: report of two cases [letter] Richert JR, et al. **J Neurol Neurosurg Psychiatry** 1986 May;49(5):606–8

Spinal cord arteriovenous malformation in a neonate. Case report. Park TS, et al. **J Neurosurg** 1986 Feb;64(2):322–4

Macrosaccadic oscillation, saccadic dysmetria and motor error in spinocerebellar degeneration. Kase M, et al. **Jpn J Ophthalmol** 1985;29(4):369–77

Spinal subarachnoid haemorrhage presenting as spinal block without meningism. Duncombe AS, et al. **Postgrad Med J** 1985 Nov;61(721):991–3

Complete thoracic segmental insensibility accompanying prune belly syndrome with scoliosis. Joller R, et al. **Spine** 1986 Jun;11(5):496–8

Hydrocephalus, cervical cord lesions, and spinal deformity. Sherk HH, et al. **Spine** 1986 May;11(4):340–2

Brown-Séquard syndrome caused by a spinal subarachnoid hematoma due to anticoagulant therapy. Koehler PJ, et al. **Surg Neurol** 1986 Feb;25(2):191–3

[Myelopathy manifesting as macroglobulinemia] Woimant F, et al. **Ann Med Interne (Paris)** 1985;136(2):121–4 (Eng. Abstr.) **(Fre)**

[Recurrent paraplegia with complete recovery from spontaneous epidural spinal hematoma] Pinelli P, et al. **Riv Neurobiol** 1984 Apr-Sep;30(2–3):590–3 (Eng. Abstr.) **(Ita)**

[Diaphragmatic myoclonus of spinal origin] Nakajima M, et al. **Rinsho Shinkeigaku** 1986 Jan;26(1):13–9 (Eng. Abstr.) **(Jpn)**

[Peroneal muscular atrophy associated with intellectual impairment and pyramidal signs] Sobue G, et al. **Rinsho Shinkeigaku** 1985 Jul;25(7):818–25 (Eng. Abstr.) **(Jpn)**

[Clinical and x-ray picture of neurogenic disorders of the bladder and distal portions of the colon in pathology of the terminal section of the spinal cord] Mikhallov AN, et al. **Vestn Rentgenol Radiol** 1985 Jul–Aug;(4):32–6 (Eng. Abstr.) **(Rus)**

CONGENITAL

[Spinal cord congenital epidermoid cyst (a dorsal case)] Buge A, et al. **Rev Neurol (Paris)** 1985;141(12):810–3 (Eng. Abstr.) **(Fre)**

[Anterior sacral spinal cord hernias in women] Solopaev AA, et al. **Zh Vopr Neirokhir** 1986 Mar–Apr;(2):50–2 **(Rus)**

DIAGNOSIS

Primary hyperparathyroidism presenting as cervical myelopathy. Heyman SN, et al. **Am J Med Sci** 1986 Feb; 291(2):112–4

Hexosaminidase-A deficiency presenting as atypical juvenile-onset spinal muscular atrophy. Parnes S, et al. **Arch Neurol** 1985 Dec;42(12):1176–80

Involvement of the central nervous system in Schistosoma mansoni and S. haematobium infection. A review. Scrimgeour EM, et al. **Brain** 1985 Dec;108 (Pt 4):1023–38 (127 ref.)

Refined Romberg test [letter] Ropper AH. **Can J Neurol Sci** 1985 Aug;12(3):282

High field, thin section nuclear magnetic resonance imaging of the cervical spine. Dee GJ, et al. **Cardiovasc Intervent Radiol** 1986;8(5–6):283–91

Magnetic resonance imaging vs. computed tomography: advantages and disadvantages. Earnest F 4th, et al.

Clin Neurosurg 1985;32:540–73 (20 ref.)

MRI of the spine. Balériaux D, et al.
Diagn Imag Clin Med 1986;55(1–2):66–71

MRI of the brain and cervical spine: first choice in the detection of abnormalities. Preliminary study. Huynen CH, et al. Diagn Imag Clin Med 1986;55(1–2):61–5

Interpretation of spinal MR images in relation to tissue parameters. Vencken LM, et al. Diagn Imag Clin Med 1986; 55(1–2):55–60

Comparison of CT and MR in 400 patients with suspected disease of the brain and cervical spinal cord. Hillman BJ. Invest Radiol 1986 Mar;21(3):289–92

Post–traumatic spinal–cord cyst. A case report. Bradway JK, et al. J Bone Joint Surg [Am] 1986 Jul;68(6):932–3

Clinically useful applications of evoked potentials in adult neurology. Stockard JJ, et al. J Clin Neurophysiol 1984 Apr;1(2):159–202

Rapid nontomographic approach to MR myelography without contrast agents. Hennig J, et al.
J Comput Assist Tomogr 1986 May–Jun;10(3):375–8

Cervical myelopathy: a comparison of magnetic resonance and myelography. Masaryk TJ, et al.
J Comput Assist Tomogr 1986 Mar–Apr;10(2):184–94

Ambiguities in MR imaging of tumoral cysts in the spinal cord. Rubin JM, et al. J Comput Assist Tomogr 1986 May–Jun;10(3):395–8

Magnetic resonance imaging in the diagnosis of spinal cord diseases. Aichner F, et al.
J Neurol Neurosurg Psychiatry 1985 Dec;48(12):1220–9

Identification of a retained surgical sponge using magnetic resonance imaging. Nabors MW, et al. Neurosurgery 1986 Apr;18(4):496–8

Magnetic resonance imaging of spinal cord disease of childhood. Packer RJ, et al. Pediatrics 1986 Aug; 78(2):251–6

Magnetic resonance imaging of the spine: applications and limitations. Paushter DM, et al. Radiol Clin North Am 1985 Sep;23(3):551–62

Posttraumatic progressive myelopathy. Clinical and radiologic correlation employing MR imaging, delayed CT metrizamide myelography, and intraoperative sonography. Gebarski SS, et al. Radiology 1985 Nov;157(2):379–85

Intramedullary cysticercosis. Holtzman RN, et al.
Surg Neurol 1986 Aug;26(2):187–91

Evaluation of children and young adults with tethered spinal cord syndrome. Utility of spinal and scalp recorded somatosensory evoked potentials. Roy MW, et al.
Surg Neurol 1986 Sep;26(3):241–8

[Magnetic resonance imaging of the spinal cord] Balériaux D, et al. Bull Acad Natl Med (Paris) 1985 Apr;169(4):479–86 (Eng. Abstr.) (Fre)

[Peroperative spinal cord ultrasonography in neurosurgery] Rouffiange B, et al. J Radiol 1986 Jan;67(1):17–21 (Eng. Abstr.) (Fre)

[Value of studying spinal evoked potentials in patients with thoracolumbar spinal cord lesions] Boucand MH, et al. Rev Electroencephalogr Neurophysiol Clin 1985 Sep; 15(2):173–8 (Eng. Abstr.) (Fre)

[Spinal forms of multiple sclerosis. Value and criticism of examination by cerebral magnetic resonance. Apropos of 4 cases] Lyon–Caen O, et al. Rev Neurol (Paris) 1985; 141(12):793–801 (Eng. Abstr.) (Fre)

[Function–oriented neurophysiologic diagnosis: long loop reflexes in spinal and cerebral lesions] Ackermann H, et al. EEG EMG 1986 Jun;17(2):88–96 (Eng. Abstr.) (Ger)

[Degenerative diseases of the extrapyramidal and spinocerebellar system—differential diagnostic references] Neuhäuser G. Klin Padiatr 1986 Mar–Apr;198(2):89–95 (Eng. Abstr.) (Ger)

[Nuclear magnetic resonance tomography of the spine and spinal cord compared with computed tomography and myelography] Fenzl G, et al. ROFO 1986 Jun; 144(6):636–43 (Eng. Abstr.) (Ger)

[Nuclear spin tomography of the cervical canal] Terwey B, et al. Rontgenpraxis 1985 Dec;38(12):422–32 (Ger)

[Development, symptomatology and treatment of "animal" and "plant" parasites of the central nervous system]Stula D, et al. Schweiz Arch Neurol Psychiatr 1986;137(4):15–23 (Eng. Abstr.) (Ger)

[Two cases of retrobulbar neuritis and transverse myelopathy as the initial symptoms suggestive of systemic lupus erythematosus (SLE)—case report and review of literature] Tamaoka A, et al. Rinsho Shinkeigaku 1986 May; 26(5):483–9 (Eng. Abstr.) (Jpn)

[Quantitative evaluation of EMG records based on 2 digital indicators] Kopeć J. Neurol Neurochir Pol 1986 Jan–Feb; 20(1):18–23 (Eng. Abstr.) (Pol)

[Diagnosis and treatment of disorders of the spinal blood circulation] Gloriozova TG, et al. Klin Med (Mosk) 1986 Apr;64(4):136–40 (Rus)

[Effect of pregnancy, labor and the puerperium on the course of organic diseases of the spinal cord] Gusev VA, et al. Zh Nevropatol Psikhiatr 1986;86(2):208–11 (Eng. Abstr.) (Rus)

[Spinal endoscopy] Karakhan VB, et al.
Zh Vopr Neirokhir 1986 May–Jun;(3):48–51 (16 ref.) (Rus)

DRUG THERAPY

Spinal cysticercosis: a case report and its treatment with praziquantel [letter] Minoli L, et al.
Boll Ist Sieroter Milan 1985;64(4):343–4

Results of combined treatment with 5–fluorocytosine (5FC) and amphoteycine B in a case of cerebrospinal meningitis due to Candida albicans in an infant. Krupińska–Sanecka I, et al. Mater Med Pol 1985 Oct–Dec;17(4):246–9

Treatment of cerebrospinal fluid leaks and gram–negative bacillary meningitis with large doses of intrathecal amikacin and systemic antibiotics. Gilbert VE, et al.
Neurosurgery 1986 Apr;18(4):402–6

Acute and chronic effects of thyrotropin–releasing hormone (TRH) on stabilogram in spinocerebellar degenerations. Yoshida M, et al. Tohoku J Exp Med 1986 Mar; 148(3):327–31

[Note on the use of TRH in amyotrophic lateral sclerosis] Serratrice G. Bull Acad Natl Med (Paris) 1985 Oct; 169(7):1013–7 (Eng. Abstr.) (Fre)

[Effect of lithium salts on neuropathological syndromes of spinal origin] Grafova VN, et al. Biull Eksp Biol Med 1985 Sep;100(9):273–5 (Eng. Abstr.) (Rus)

[Mechanism of the suppression of the spinal pain syndrome by serotonin derivatives] Kryzhanovskiĭ GN, et al.
Biull Eksp Biol Med 1986 Apr;101(4):399–401 (Eng. Abstr.) (Rus)

ETIOLOGY

Spinal cord syndromes in the acquired immune deficiency syndrome. Singh BM, et al. Acta Neurol Scand 1986 Jun; 73(6):590–8

Infantile hematomyelia complicating electrocardioversion [letter] Kerber RE. Arch Pathol Lab Med 1985 Nov; 109(11):974–5

Computer–assisted myelography in cervical spondylotic myelopathy and radiculopathy. Clinical correlations and pathogenetic mechanisms. Yu YL, et al. Brain 1986 Apr; 109 (Pt 2):259–78

Hemorrhagic changes in experimental spinal cord injury models. Khan M, et al. Can J Neurol Sci 1985 Aug; 12(3):259–62

Optic neuritis and myelopathy in systemic lupus erythematosus. Oppenheimer S, et al. Can J Neurol Sci 1986 May;13(2):129–32

Spinal cord edema, 5–hydroxytryptamine, lipid peroxidation, and lysosomal enzyme release after acute contusion and compression injury in primates. Abraham J, et al.
Cent Nerv Syst Trauma 1985 Spring;2(1):45–60

Narrow lumbar spinal canal caused by vertebral apophysomegaly. Kitov D, et al. Folia Med (Plovdiv) 1984; 26(3):20–5

Ischemic myelopathy in Takayasu's disease. Nair KR, et al.
J Assoc Physicians India 1985 Nov;33(11):735–6

Isolated lower motoneuron involvement following radiotherapy [letter] De Carolis P, et al.
J Neurol Neurosurg Psychiatry 1986 Jun;49(6):718–9

Spinal cord decompression sickness: a review of the pathology and some new findings. Sykes JJ.
J R Nav Med Serv 1985 Winter;71(3):139–43 (31 ref.)

HTLV–I associated myelopathy, a new clinical entity [letter] Osame M, et al. Lancet 1986 May 3;1(8488):1031–2

Blood transfusion and HTLV–I associated myelopathy [letter] Osame M, et al. Lancet 1986 Jul 12;2(8498):104–5

HTLV–III and vacuolar myelopathy [letter]
N Engl J Med 1986 Jul 3;315(1):62–3

Vitamin E–deficient spinocerebellar syndrome due to intestinal lymphangiectasia. Gutmann L, et al.
Neurology 1986 Apr;36(4):554–6

Relationship between posttraumatic ischemia and hemorrhage in the injured rat spinal cord as shown by colloidal carbon angiography. Wallace MC, et al.
Neurosurgery 1986 Apr;18(4):433–9

Myelopathy due to spinal arachnoid cyst. A case report. Dyck P. Spine 1986 Jan–Feb;11(1):80–2

Experimental study on postlaminectomy deterioration of cervical spondylotic myelopathy. Influences of intradural surgery and persistent spinal block. Oiwa T, et al.
Spine 1985 Oct;10(8):717–21

Choice of surgical treatment for multisegmental cervical spondylotic myelopathy. Yonenobu K, et al. Spine 1985 Oct;10(8):710–6

Delayed effects from retained foreign bodies in the spine and spinal cord. Wu WQ. Surg Neurol 1986 Mar;25(3):214–8

[Acute lumbar spinal cord disease caused by lumbar disk hernia (letter)] Hirsch E, et al. Presse Med 1986 May 3; 15(18):843–4 (Fre)

[Regressive encephalo–myelo–neuropathy in malignant diseases (letter)] Nicolle MH, et al. Presse Med 1986 May 17;15(20):935–6 (Fre)

[Spinal subdural hematoma following lumbar puncture. Case report] Hasegawa H, et al. Neurol Med Chir (Tokyo) 1985 Aug;25(8):687–90 (Eng. Abstr.) (Jpn)

[Changes of microcirculation dynamics in the formation of edema following spinal compression injury in rabbits] Suzuki Y. Nippon Seikeigeka Gakkai Zasshi 1985 Jul; 59(7):707–18 (Eng. Abstr.) (Jpn)

[CT findings in acute spinal epidural hematoma caused by a ruptured cavernous angioma] Ogawa T, et al.
No Shinkei Geka 1986 Apr;14(5):687–91 (Eng. Abstr.) (Jpn)

[Congenital os odontoideum presenting with delayed myelopathy and severe orthostatic hypotension] Fukui T, et al. Rinsho Shinkeigaku 1985 Jun;25(6):721–7 (Eng. Abstr.) (Jpn)

[Spontaneous hematomyelia due to von Willebrand's disease] Fukutake T, et al. Rinsho Shinkeigaku 1985 Jun; 25(6):705–10 (Eng. Abstr.) (Jpn)

[Myotonic dystrophy with transverse myelopathy caused by ossification of the posterior longitudinal ligament—report of two cases] Kawamura T, et al. Rinsho Shinkeigaku 1986 Apr;26(4):387–94 (Eng. Abstr.) (Jpn)

[A case of van Buchem's disease with multiple cranial neuropathy] Kitagawa Y, et al. Rinsho Shinkeigaku 1986 Jan;26(1):28–33 (Eng. Abstr.) (Jpn)

[Myelopathy and peripheral neuropathy after radiotherapy] Berstad J. Tidsskr Nor Laegeforen 1986 Mar 10; 106(7):563–5 (Eng. Abstr.) (Nor)

[Radiation–induced myelopathy] Kasperek S, et al.
Neurol Neurochir Pol 1985 Mar–Apr;19(2):144–8 (22 ref.) (Pol)

FAMILIAL & GENETIC

Joseph disease in India—report of two families. Jain S, et al. J Neurogenet 1986 Jan;3(1):61–73

Genetically controlled resistance to virus infections of the central nervous system. Roos RP. Prog Med Genet 1985; 6:241–76 (148 ref.)

[Problems in human genetics] Degenhardt KH.
Psychiatr Neurol Med Psychol Beih 1970;13–14:1–7 (Eng. Abstr.) (Ger)

[Spinocerebellar degeneration with slow eye movement—with special reference to neuropathological background of disturbance of ocular movement] Mizutani T. Rinsho Shinkeigaku 1986 Feb;26(2):166–74 (Eng. Abstr.) (Jpn)

METABOLISM

Immunocytochemical studies of neurofilament antigens in the neurofibrillary pathology induced by aluminum. Troncoso JC, et al. Brain Res 1986 Feb 5;364(2):295–300

Mitochondrial dysfunction and spinocerebellar degenerations. Cedarbaum JM, et al. Neurochem Pathol 1986 Feb;4(1):43–63 (96 ref.)

MICROBIOLOGY

Isolation of HTLV–I from cerebrospinal fluid of a patient with myelopathy [letter] Hirose S, et al. Lancet 1986 Aug 16;2(8503):397–8

[Demonstration of latent infection by herpes simplex virus type 2 (HSV–2) in the spinal cord of the guinea pig] Zheng ZM. Chung Hua I Hsueh Tsa Chih 1985 Oct;65(10):584–6 (Eng. Abstr.) (Chi)

OCCURRENCE

[Spinocerebellar degeneration in the elderly] Matsuoka Y. Nippon Ronen Igakkai Zasshi 1986 Jan;23(1):23–7 (Eng. Abstr.) (Jpn)

PATHOLOGY

Spinocerebellar degeneration with prominent involvement of the motor neuron system: autopsy report of a sporadic case. Hayashi Y, et al. Acta Neuropathol (Berl) 1986; 70(1):82–5

Sarcoidosis of the spinal cord. Report of an autopsy case and review of the literature. Nagai H, et al.
Acta Pathol Jpn 1985 Jul;35(4):1007–22

Anterior horn changes of motor neuron disease associated with demyelinating radiculopathy. Ghatak NR, et al.
J Neuropathol Exp Neurol 1986 Jul;45(4):385–95

Intradural extramedullar tuberculoma of spinal cord. Case report. Garcia Allut A, et al. J Neurosurg Sci 1985 Apr–Jun;29(2):113–5

Acute transverse myelopathy [editorial] Lancet 1986 Jan 4; 1(8471):20–1

Spinal intradural ependymal cyst: a case report and review of the literature. Findler G, et al. Neurosurgery 1985 Sep; 17(3):484–6

Calcification in glioblastoma multiforme of the cervical spinal cord. Kubota T, et al. Surg Neurol 1986 Aug;26(2):183–6

[Dysontogenetic spinal cord cysts] Janda J, et al.
Cesk Neurol Neurochir 1985 Nov;48(6):406–10 (Eng. Abstr.) (Cze)

[Endoscopy of the spinal canal] Hertz H, et al.
Unfallchirurgie 1985 Dec;11(6):275–7 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

Assessment of spinal cord conduction in cervical myelopathies by spinal stenosis or herniated disc. D'Alpa F, et al. Acta Neurol (Napoli) 1985 Oct;7(5):394–400

Possible role of collagen in transverse myelitis and chymopapain–induced paraplegia. Gupta AS, et al.
Arch Neurol 1986 May;43(5):513–5

Prevalence and pattern of spinocerebellar degenerations in northeastern Libya. Sridharan R, et al. Brain 1985 Dec;108 (Pt 4):831–43

Glabella tap sign. Is it due to a lack of R2–habituation? Sunohara N, et al. J Neurol Sci 1985 Oct;70(3):257–67

Effect of cervical spinal cord lesions on early components of the median nerve somatosensory evoked potential. Emerson RG, et al. Neurology 1986 Jan;36(1):20–6

Incidence, presentation, and outcome of spinal cord disease in children with systemic cancer. Lewis DW, et al.
Pediatrics 1986 Sep;78(3):438–43

[Autonomic nervous functions in various subtypes of spinocerebellar degenerations—a hemodynamic study] Tamura N, et al. Rinsho Shinkeigaku 1986 Mar;26(3):284–90

(Eng. Abstr.) (Jpn)

PREVENTION & CONTROL

[Possibilities for preventing complications of epidurography] Margolin GA, et al. Zh Vopr Neirokhir 1986 Jan-Feb; (1):50-2 (Eng. Abstr.) (Rus)

RADIOGRAPHY

Cystic necrosis of the spinal cord in compressive cervical myelopathy: demonstration by iopamidol CT-myelography. Jinkins JR, et al. AJR 1986 Oct; 147(4):767-75

CT myelographic findings in degenerative disorders of the cervical spine: clinical significance. Penning L, et al. AJR 1986 Apr;146(4):793-801

Enterogenous cysts of the central nervous system: a report of eight cases. Chavda SV, et al. Clin Radiol 1985 May; 36(3):245-51

Importance of metrizamide CT for evaluation of the thoracic spine. Azar-Kia B, et al. Comput Radiol 1985 Jul-Aug; 9(4):233-41

CT myelography in spinal cysticercosis. Zee CS, et al. J Comput Assist Tomogr 1986 Mar-Apr;10(2):195-8

Diagnosis of sacral perineural cysts by computed tomography. Tabas JH, et al. J Comput Tomogr 1986 Jul; 10(3):255-9

Diagnosis of perineurial arachnoid cysts using computed tomography: technical and clinical considerations. Foreman SM, et al. J Manipulative Physiol Ther 1986 Mar; 9(1):23-6

The spinal cord in rheumatoid arthritis with clinical myelopathy: a computed myelographic study. Stevens JM, et al. J Neurol Neurosurg Psychiatry 1986 Feb;49(2):140-51

Simultaneous bifemoral retrograde arteriography under pressure. First stage in angiographic exploration of the spine and spinal cord. Melki JP, et al. J Neuroradiol 1986; 13(1):62-70 (Eng, Fre)

Spinal angiography with iohexol. Kendall B. Neuroradiology 1986;28(1):72-3

Iohexol in paediatric myelography. An open non-comparative trial. Kendall B. Neuroradiology 1986; 28(1):65-8

Mobile myelographic filling defects: spinal cysticercosis. Savoiardo M, et al. Neuroradiology 1986;28(2):166-9

Computed tomography in cervical spondylotic myelopathy and radiculopathy: visualisation of structures, myelographic comparison, cord measurements and clinical utility. Yu YL, et al. Neuroradiology 1986;28(3):221-36

Is there an increased risk of early side effects of metrizamide in post-myelogram computed tomography? Yu YL, et al. Neuroradiology 1984;26(5):399-403

Spinal cord tumor presenting as a herniated lumbar disc. Dugas R, et al. Orthopedics 1986 Feb;9(2):253-6

[Treatment and prognosis of spinal cord diseases caused by cervical arthrosis] Milbouw G, et al. Rev Med Liege 1986 May 1;41(9):377-83 (Fre)

[Diagnostic errors in pneumomyelography under normal conditions] Jirout J. Psychiatr Neurol Med Psychol Beih 1969;10-11:30-2 (Ger)

[Computerized tomography in the study of myelopathy in cervical spondylosis] Crisi G, et al. Radiol Med (Torino) 1985 Jul-Aug;71(7-8):471-8 (Eng. Abstr.) (Ita)

[Diagnostic update on the spine and spinal cord. Phlebography] Bernardi L. Riv Neurobiol 1984 Apr-Sep; 30(2-3):531-4 (Eng. Abstr.) (Ita)

[Current diagnostic and therapeutic prospects in cervical spinal and spinal cord pathology] Cecotto C, et al. Riv Neurobiol 1984 Apr-Sep;30(2-3):447-61 (Eng. Abstr.) (Ita)

[Computerized tomography and myelography. Indications and integration] Fabris G. Riv Neurobiol 1984 Apr-Sep; 30(2-3):539-43 (Eng. Abstr.) (Ita)

[Diagnostic imagings of extradural cyst] Obba S, et al. Nippon Ika Daigaku Zasshi 1986 Feb;53(1):106-7 (Jpn)

[Neuroradiology of spinal and spinal cord disease--with special reference to CT] Miyasaka K. Nippon Seikeigeka Gakkai Zasshi 1986 Mar;60(3):373-87 (Jpn)

[Postoperative spinal cord herniation diagnosed by metrizamide CT: a case report] Mizuno J, et al. No Shinkei Geka 1986 Apr;14(5):681-5 (Eng. Abstr.) (Jpn)

[Neurological syndrome in dural vascular malformations with drainage into the venous system of the spinal cord] Andersen O, et al. Lakartidningen 1985 Dec 11; 82(50):4414-7 (Eng. Abstr.) (Swe)

RADIONUCLIDE IMAGING

[Diagnosis of intraspinal diseases with myeloscintigraphy] Dietz H, et al. Psychiatr Neurol Med Psychol Beih 1969; 10-11:91-104 (Ger)

[Potentialities of spinal cerebrospinal fluid scanography] Vlakhov N, et al. Med Radiol (Mosk) 1986 May;31(5):55-7 (Rus)

[Gas radionuclide myelography in assessing patency of the subarachnoid space of the spinal cord] Dzhuzha DA. Zh Vopr Neirokhir 1985 Nov-Dec;(6):39-43 (Eng. Abstr.) (Rus)

REHABILITATION

Rehabilitative neurosurgery. Herz DA, et al. Neurosurgery 1986 Mar;18(3):311-5

SURGERY

Long-term follow-up of spinal fusion in spinal muscular atrophy. Piasecki JO, et al. Clin Orthop 1986 Jun; (207):44-54

Intramedullary spinal cord abscess. Marwah RK, et al. Indian Pediatr 1985 Jan;22(1):71-4

Trans-oral approach to the upper cervical spine. A report of 16 cases. Bonney G, et al. J Bone Joint Surg [Br] 1985 Nov;67(5):691-8

The surgical treatment of cervical myelopathy due to spondylosis and disc degeneration. Jeffreys RV. J Neurol Neurosurg Psychiatry 1986 Apr;49(4):353-61

Direct spinal arteriovenous fistula: a new type of spinal AVM. Case report. Heros RC, et al. J Neurosurg 1986 Jan;64(1):134-9

Recording of spinal somatosensory evoked potentials for intraoperative spinal cord monitoring. Whittle IR, et al. J Neurosurg 1986 Apr;64(4):601-12

Brain, spine surgeons say yes to ultrasound [news] Raymond CA. JAMA 1986 May 2;255(17):2258-9, 2262

The future role of neurosurgery in the case of vascular diseases of the central nervous system. Pia HW. Neurosurg Rev 1986;9(1-2):51-68

Symptomatic intradural spinal arachnoid diverticulum: report of a case and review of the literature. Mori K, et al. Nippon Geka Hokan 1985 Sep 1;54(5):372-7

Vertebral osteomyelitis. The surgical management of neurologic complications. Abramovitz JN, et al. Spine 1986 Jun;11(5):418-20

[Pilonidal sinus associated with intraspinal dermoid or epidermoid cyst in children] Zhao YC. Chung Hua Shen Ching Ching Shen Ko Tsa Chih 1984 Dec; 17(6):346-7 (Eng. Abstr.) (Chi)

[Results of the surgical treatment of cervical spondylotic myeloradiculopathy] Liu CJ, et al. Chung Hua Wai Ko Tsa Chih 1984 Dec;22(12):716-8, 780-1 (Eng. Abstr.) (Chi)

[Long-term follow-up results of anterior surgery of myelopathy due to cervical spondylosis] Zhang ZH, et al. Chung Hua Wai Ko Tsa Chih 1984 Dec;22(12):714-5, 780 (Eng. Abstr.) (Chi)

[Clinical study of spinal intradural arachnoid cyst] Aoyagi N, et al. No Shinkei Geka 1985 Nov;13(11):1205-12 (Eng. Abstr.) (Jpn)

THERAPY

Treatment of acute myelopathy in systemic lupus erythematosus with plasma exchange and immunosuppression [letter] Slovick DI. J Neurol Neurosurg Psychiatry 1986 Jan;49(1):103-5

Oxygen in the treatment of spinal cord decompression sickness. Leitch DR, et al. Undersea Biomed Res 1985 Sep; 12(3):269-89

Pressure in the treatment of spinal cord decompression sickness. Leitch DR, et al. Undersea Biomed Res 1985 Sep; 12(3):291-305

[Cervical myelopathy--therapeutic criteria] Foidart M, et al. Rev Med Liege 1986 Feb 1;41(3):97-102 (11 ref.) (Fre)

[Actual condition and chemotherapy for extrapulmonary tuberculosis in national sanatoria (an observation in tuberculous meningitis and tuberculosis of the central nerve system)--report of the B series of 26 controlled trials of chemotherapy. Cooperative Study Unit of Chemotherapy of Tuberculosis of the National Sanatoria in Japan (CSUCTNS)] Konishiike J, et al. Kekkaku 1985 Oct; 60(10):509-15 (Eng. Abstr.) (Jpn)

[Therapeutic electrostimulation in lesions of the spinal cord] Gurchin FA, et al. Fiziol Cheloveka 1986 Jan-Feb; 12(1):165-7 (Rus)

[Effect of hyperbaric oxygenation on the recovery of motor functions in vertebrogenic myelopathies] Neretin VIa, et al. Zh Nevropatol Psikhiatr 1985;85(12):1774-8 (Eng. Abstr.) (Rus)

VETERINARY

Cerebellar abiotrophy and segmental axonopathy: two syndromes of progressive ataxia of Merino sheep. Harper PA, et al. Aust Vet J 1986 Jan;63(1):18-21

Spinal cord degeneration following general anaesthesia in a Shire horse. Brearley JC, et al. Equine Vet J 1986 May; 18(3):222-4

Parelaphostrongylosis in llamas. Baumgärtner W, et al. J Am Vet Med Assoc 1985 Dec 1;187(11):1243-5

Postanesthetic hemorrhagic myelopathy in a horse. Yovich JV, et al. J Am Vet Med Assoc 1986 Feb 1;188(3):300-1

Focal symmetrical poliomalacia of the spinal cord in Ayrshire calves. Palmer AC, et al. Vet Pathol 1986 Jul;23(4):506-9

A progressive spinal myelinopathy in beef cattle. Richards RB, et al. Vet Pathol 1986 Jan;23(1):35-41

Neurotoxic action of lasalocid at high doses [letter] Shlosberg A, et al. Vet Rec 1985 Oct 12;117(15):394

SPINAL CORD INJURIES

Experience with spinal injuries in New South Wales. Selecki BR, et al. Aust NZ J Surg 1986 Jul;56(7):567-76

How do you resuscitate someone with a suspected spinal injury? [letter] Br Med J [Clin Res] 1986 Feb 8; 292(6517):408

Photochemically induced spinal cord injury in the rat. Watson BD, et al. Brain Res 1986 Mar 5;367(1-2):296-300

A program for central nervous system regeneration. Van Orden MD. Cent Nerv Syst Trauma 1984 Winter; 1(2):167-71

Penny wise but pound foolish [editorial] Young W. Cent Nerv Syst Trauma 1985 Spring;2(1):1-3

A critical overview of spinal injury research presented at the First International Symposium on CNS Trauma. Young W. Cent Nerv Syst Trauma 1984 Fall;1(1):75-9

BLOOD

High density lipoprotein cholesterol concentrations in physically active and sedentary spinal cord injured patients. Brenes G, et al. Arch Phys Med Rehabil 1986 Jul; 67(7):445-50

Extrinsic and common coagulation pathways in end-stage renal disease associated with spinal cord injury. Vaziri ND, et al. Paraplegia 1986 Jun;24(3):154-8

COMPLICATIONS

Posttraumatic syrinx formation: experimental study. Cohen WA, et al. AJNR 1985 Sep-Oct;6(5):823-7

Cervical spinal cord injuries in patients with cervical spondylosis. Regenbogen VS, et al. AJR 1986 Feb; 146(2):277-84

Analysis of 75 operated thoracolumbar fractures and fracture dislocations with and without neurological deficit. Aebi M, et al. Arch Orthop Trauma Surg 1986;105(2):100-12

Esophagocutaneous fistula in spinal cord injury: a complication of anterior cervical fusion. Balmaseda MT Jr, et al. Arch Phys Med Rehabil 1985 Nov;66(11):783-4

Solitary colonic ulcer in a spinal cord injured patient. Bernstein L, et al. Arch Phys Med Rehabil 1986 Mar; 67(3):194-5

Rehospitalization and spinal cord injury: cross-sectional survey of adults living independently. Meyers AR, et al. Arch Phys Med Rehabil 1985 Oct;66(10):704-8

Osteomyelitis associated with pressure ulcers. Thornhill-Joynes M, et al. Arch Phys Med Rehabil 1986 May;67(5):314-8

Profile of gastric stress ulceration following acute cervical cord injury: an animal model. MacLellan DG, et al. Aust NZ J Surg 1986 Jun;56(6):499-504

Clinical significance of minimal changes on intravenous urography after spinal cord injury. Kuhlemeier KV, et al. Br J Urol 1986 Jun;58(3):256-60

How do you resuscitate someone with a spinal cord injury? [letter] Br Med J [Clin Res] 1986 Feb 22;292(6519):556-7

ABC of spinal cord injury. Early management and complications--II. Grundy D, et al. Br Med J [Clin Res] 1986 Jan 11;292(6513):123-5

Interfering with inhibition may improve motor function. Robinson GA, et al. Brain Res 1985 Nov 4;346(2):400-3

Hemorrhagic changes in experimental spinal cord injury models. Khan M, et al. Can J Neurol Sci 1985 Aug; 12(3):259-62

Physiologic aspects of spinal cord injury and functional neuromuscular stimulation. Glaser RM. Cent Nerv Syst Trauma 1986 Winter;3(1):49-62 (46 ref.)

New trends in urologic management of spinal cord injured patients. Lloyd LK. Cent Nerv Syst Trauma 1986 Winter; 3(1):3-12

Cardiovascular instability following acute cervical spinal cord trauma. Piepmeier JM, et al. Cent Nerv Syst Trauma 1985 Fall;2(3):153-60

Quantitative microbiology of pressure sores in different stages of healing. Sapico FL, et al. Diagn Microbiol Infect Dis 1986 May;5(1):31-8

Topical use of PVP-I (Betadine) preparations in patients with spinal cord injury. Michael J. Drugs Exp Clin Res 1985; 11(2):107-9

Effect of cervical spinal cord hemisection and hemidiaphragm paralysis on arterial blood gases, pH, and respiratory rate in the adult rat. Goshgarian HG, et al. Exp Neurol 1986 Aug;93(2):440-5

Functional recovery of the bladder in patients with spinal cord injury--prognosticating programs of an aseptic intermittent catheterization. Iwatsubo E, et al. Hinyokika Kiyo 1985 May;31(5):775-83

Bacteriuria in patients with spinal cord injury. Arego DE, et al. Hosp Pract [Off] 1986 Mar 30;21(3A):87-94, 100, 104 passim

Osteoarticular complications in anaesthetic foot. Verma HS, et al. Indian J Lepr 1985 Jul-Sep;57(3):593-7

Gastrointestinal bleeding in patients with acute spinal injuries. Walters K, et al. Int Rehabil Med 1986;8(1):44-7

Anemia in patients with traumatic spinal cord injury. Perkash A, et al. J Am Paraplegia Soc 1986 Jan-Apr;9(1-2):10-5

Ventilatory compromise in spinal cord injury--a review. Saltzstein R, et al. J Am Paraplegia Soc 1986 Jan-Apr; 9(1-2):6-9

Pedal manifestations of Brown-Séquard syndrome. A case report. Bartolomei FJ, et al. J Am Podiatr Med Assoc 1985 Nov;75(11):603-6

Spinal cord tethering after traumatic paraplegia with late neurological deterioration. Ragnarsson TS, et al. J Neurosurg 1986 Mar;64(3):397-401

Abdominal pathology in spinal cord injured persons.

Ingersoll GL. J Neurosurg Nurs 1985 Dec;17(6):343–8
Acute central cervical cord syndrome caused by minor trauma. Chen LS, et al. J Pediatr 1986 Jan;108(1):96–7
Survey of alcohol and drug misuse in spinal cord injured veterans. Kirubakaran VR, et al. J Stud Alcohol 1986 May; 47(3):223–7
Increased susceptibility of patients with cervical cord lesions to peptic gastrointestinal complications. Soderstrom CA, et al. J Trauma 1985 Nov;25(11):1030–8
The effect of modified transurethral sphincterotomy on autonomic dysreflexia. Barton CH, et al. J Urol 1986 Jan; 135(1):83–5
Sphincterotomy failure in neurogenic bladder disease. Lockhart JL, et al. J Urol 1986 Jan;135(1):86–9
Comparative urological outcome in women with spinal cord injury. McGuire EJ, et al. J Urol 1986 Apr;135(4):730–1
Real-time renal sonography in spinal cord injury patients: prospective comparison with excretory urography. Rao KG, et al. J Urol 1986 Jan;135(1):72–7
A prospective analysis of renal function in patients with spinal cord injuries and persistent bacilluria. Falls WF Jr, et al. Milit Med 1986 Feb;151(2):116–9
Relationship between posttraumatic ischemia and hemorrhage in the injured rat spinal cord as shown by colloidal carbon angiography. Wallace MC, et al. Neurosurgery 1986 Apr;18(4):433–9
External fixation of femoral shaft fractures in spinal cord injury patients. Baird RA, et al. Paraplegia 1986 Jun; 24(3):183–90
Self catheterization: urinary complications and the social resettlement of spinal cord injured patients. Berard E, et al. Paraplegia 1985 Dec;23(6):386
Self-biting with multiple finger amputations following spinal cord injury. Dahlin PA, et al. Paraplegia 1985 Oct; 23(5):306–18
Early vesico-ureteral reflux following conus medullaris injury: case report. Dudognon P, et al. Paraplegia 1986 Jun;24(3):194–200
Cervical spinal cord injury complicating ankylosing spondylitis. Foo D, et al. Paraplegia 1985 Dec;23(6):358–63
The urological management of spinal cord damaged patients: a clinical algorithm. Gardner BP, et al. Paraplegia 1986 Jun;24(3):138–47
The management of upper urinary tract calculi in spinal cord damaged patients. Gardner BP, et al. Paraplegia 1985 Dec; 23(6):371–8
Bleeding from the alimentary canal during the management of spinal cord injury patients. Kiwerski J. Paraplegia 1986 Apr;24(2):92–6
The value of propoxyphene hydrochloride (Darvon) for the treatment of hyperhidrosis in the spinal cord injured patient: an anecdotal experience and case reports. Tashjian EA, et al. Paraplegia 1985 Dec;23(6):349–53
Contractures complicating spinal cord injury: incidence and comparison between spinal cord centre and general hospital acute care. Yarkony GM, et al. Paraplegia 1985 Oct; 23(5):265–71
Autonomic dysreflexia in the spinal cord–injured. What the physician should know about this medical emergency. McGuire TJ, et al. Postgrad Med 1986 Aug;80(2):81–4, 89
Catheter-induced hyperreflexia in spinal cord injury patients: diagnosis by sonographic voiding cystourethrography. Perkash I, et al. Radiology 1986 May;159(2):453–5
Bladder outlet surgery in men with spinal cord injury. Ruutu ML, et al. Scand J Urol Nephrol 1985;19(4):241–6
Pontomedullary infarction from sustained cervical spine hyperflexion. Faillace WJ, et al. Surg Neurol 1986 Sep; 26(3):282–6
[Late posttraumatic syringomyelic syndromes. Pathogenetic theories apropos of 3 cases] Leys D, et al. Acta Neurol Belg 1986 Jan–Feb;86(1):11–9 (Eng. Abstr.) (Fre)
[Ultrasonic evaluation of the urinary tract in patients with spinal cord injuries. Systematic comparison with intravenous urography in 50 cases] Chagnon S, et al. J Radiol 1985 Dec;66(12):801–6 (Eng. Abstr.) (Fre)
[Late syringomyelobulbia complicating spinal cord injury. Improvement after syringoperitoneal shunt] Roullet E, et al. Rev Neurol (Paris) 1985;141(5):417–9 (Eng. Abstr.) (Fre)
[Indications and results of transurethral 12 o'clock sphincterotomy in the therapy of neurogenic disorders of bladder emptying in transverse paralysis] Göcking K, et al. Z Urol Nephrol 1986 Apr;79(4):207–11 (Eng. Abstr.) (Ger)
[Myelomalacia caused by embolism of the substantia gelatinosa in the vertebral column and spinal cord arteries] Barz H, et al. Zentralbl Allg Pathol 1986;131(2):119–25 (Eng. Abstr.) (Ger)
[Evaluation of neurogenic bladder in patients with spinal cord injury using a CMG.EMG study and CMG.UFM.EMG study] Aoki H, et al. Hinyokika Kiyo 1985 Jun;31(6):937–48 (Eng. Abstr.) (Jpn)
[Cancer of the bladder in a patient with spinal cord injury] Irisawa C, et al. Hinyokika Kiyo 1986 Jan;32(1):99–104 (Eng. Abstr.) (Jpn)
[Differences in urinary tract complications between the control and study-group patients with spinal cord and caudal injuries] Iwakawa A, et al. Nippon Hinyokika Gakkai Zasshi 1986 Mar;77(3):421–7 (Eng. Abstr.) (Jpn)
[Clinical studies on the management of urogenital dysfunction in patients with spinal cord injury. 1. Noninflatable penile prosthesis for the management of urinary incontinence and sexual disability] Iwatsubo E, et al. Nippon Hinyokika Gakkai Zasshi 1986 May;77(5):760–5 (Eng. Abstr.) (Jpn)
[Vesicoureteral reflux and renal atrophy in spinal cord injury patients] Takamatsu T. Nippon Hinyokika Gakkai Zasshi 1985 May;76(5):687–94 (Eng. Abstr.) (Jpn)
[Unusual case of depressed fracture of the posterior cranial fossa associated with the syndrome of acute central cervical spinal cord injury] Motozaki T, et al. No Shinkei Geka 1986 Jul;14(8):1005–8 (Eng. Abstr.) (Jpn)
[Effect of electric stimulation by our method on changes in selected clinical parameters in patients with spasticity in cases of paresis caused by spinal cord injury] Franek A, et al. Przegl Lek 1986;43(4):352–6 (Eng. Abstr.) (Pol)

DIAGNOSIS

Radiologic evaluation of spinal cord fissures. Post MJ, et al. AJNR 1986 Mar–Apr;7(2):329–35
MRI of the chronically injured cervical spinal cord. Quencer RM, et al. AJR 1986 Jul;147(1):125–32
Munchausen syndrome presenting as acute spinal cord injury. Lazar RB. Arch Phys Med Rehabil 1986 Aug;67(8):568–9
Neurometric evaluation of the cortical somatosensory evoked potential in acute incomplete spinal cord injuries. Ziganow S. Electroencephalogr Clin Neurophysiol 1986 Mar; 65(2):86–93
Invasive methods of somatosensory evoked potential monitoring. Dinner DS, et al. J Clin Neurophysiol 1986 Apr;3(2):113–30
Cruciate paralysis. Case report. Dumitru D, et al. J Neurosurg 1986 Jul;65(1):108–10
Assessment of closed head injury in trauma-related spinal cord injury. Davidoff G, et al. Paraplegia 1986 Apr; 24(2):97–104
MR imaging of the acutely injured patient with cervical traction. McArdle CB, et al. Radiology 1986 Apr; 159(1):273–4
[Diagnostic and prognostic value of diaphragmatic electromyography and somatosensory evoked potentials in cervical spine and spinal cord injuries] Lozes G, et al. Neurochirurgie 1985;31(5):449–59 (Eng. Abstr.) (Fre)
[Prognostic value of early somatosensory evoked potentials in the presence of traumatic lesions of the spinal cord] Pierlovisi-Lavaivre M, et al. Rev Electroencephalogr Neurophysiol Clin 1985 Jul; 15(1):77–83 (Eng. Abstr.) (Fre)
[Criteria of overall physical work capacity for determining the potential motor activity of patients with spinal cord injuries at the stage of sanatorium-health resort treatment] Red'ko BP, et al. Vopr Kurortol Fizioter Lech Fiz Kult 1985 Sep–Oct;(5):66–7 (Rus)
[Diagnostic significance of the H-reflex in traumatic lesions of the spinal cord] Livshits AV, et al. Zh Nevropatol Psikhiatr 1985;85(12):1770–4 (Eng. Abstr.) (Rus)

DRUG THERAPY

Neuropeptides and central nervous system injury. Clinical implications. Faden AI. Arch Neurol 1986 May;43(5):501–4 (81 ref.)
Alleviation of axonal damage in acute spinal cord injury by a protease inhibitor: automated morphometric analysis of drug-effects. Iwasaki Y, et al. Brain Res 1985 Nov 11; 347(1):124–6
New pharmacologic approaches to spinal cord injury: opiate antagonists and thyrotropin-releasing hormone. Faden AI. Cent Nerv Syst Trauma 1985 Spring;2(1):5–8
Failure of nimodipine to reverse acute experimental spinal cord injury. Ford RW, et al. Cent Nerv Syst Trauma 1985 Spring;2(1):9–17
The therapeutic effects of drugs in injured central nervous system. Pappius HM. Cent Nerv Syst Trauma 1985 Summer; 2(2):93–8 (60 ref.)
Hallucinations after preoperative baclofen discontinuation in spinal cord injury patients. Harrison SA, et al. Drug Intell Clin Pharm 1985 Oct;19(10):747–9
Therapeutic effects of disulfiram in spinal cord contusion of rabbits. Gunasekaran S, et al. Exp Mol Pathol 1985 Dec; 43(3):359–63
Development of topical BAPN delivery system for acute spinal cord injury in dogs. Chvapil M, et al. J Biomed Mater Res 1984 Sep;18(7):757–69
Methylprednisolone and neurological function 1 year after spinal cord injury. Results of the National Acute Spinal Cord Injury Study. Bracken MB, et al. J Neurosurg 1985 Nov;63(5):704–13
"High-dose" methylprednisolone and CNS injury [letter] Braughler JM, et al. J Neurosurg 1986 Jun;64(6):985–6
Morphometric assessment of drug effects in experimental spinal cord injury. Iizuka H, et al. J Neurosurg 1986 Jul; 65(1):92–8
Ganglioside-induced regeneration and reestablishment of axonal continuity in spinal cord–transected rats. Bose B, et al. Neurosci Lett 1986 Jan 16;63(2):165–9
Reversible electroencephalogram changes associated with administration of baclofen in a quadriplegic patient: case report. Wainapel SF, et al. Paraplegia 1986 Apr;24(2):123–6
[Naloxone in diseases of the central nervous system with a vascular etiopathogenic component] Sonka K. Cesk Neurol Neurochir 1985 Nov;48(6):351–4 (Cze)

ENZYMOLOGY

Proteolytic enzymes in experimental spinal cord injury. Banik NL, et al. J Neurol Sci 1986 May;73(3):245–56

ETIOLOGY

Ischaemic injury to the spinal cord as a complication to abdominal aortic surgery. Paaschburg Nielsen B. Acta Chir Scand 1985;151(5):433–5
Data on spinal injuries—Part I. Collection and analysis of 352 consecutive admissions. Burke DC, et al. Aust NZ J Surg 1985 Feb;55(1):3–12
Osteopathic manipulation resulting in damage to the spinal cord [letter] Br Med J [Clin Res] 1985 Dec 14; 291(6510):1720–1
Osteopathic manipulation resulting in damage to spinal cord. Davis C. Br Med J [Clin Res] 1985 Nov 30; 291(6508):1540–1
Osteopathic manipulation resulting in damage to spinal cord [letter] Davis C. Br Med J [Clin Res] 1986 Jan 18; 292(6514):205
Spinal cord injury caused by a lateral C1–2 puncture for cervical myelography. Müller-Vahl H, et al. Eur J Radiol 1986 May;6(2):160–2
Spinal cord injuries following electrical accidents. Varghese G, et al. Paraplegia 1986 Jun;24(3):159–66
Spinal cord injury associated with all-terrain vehicle accidents. Saeed RC, et al. Pediatrics 1986 Mar;77(3):271–4
Scuba and other sports diving. Nervous system complications. Lehman LB. Postgrad Med 1986 Aug; 80(2):68–70
Neurologic injuries with the Galveston technique of L-rod instrumentation for scoliosis. Allen BL Jr, et al. Spine 1986 Jan–Feb;11(1):14–7
Injury to the thoracic spinal cord by glass fragments. Case report. Müller H, et al. Spine 1985 Jun;10(5):475–7
Spinal cord injury following surgery for acute traumatic rupture of the thoracic aorta. van Niekerk JL, et al. Thorac Cardiovasc Surg 1986 Feb;34(1):30–4
Ultrasonically induced morphological changes in the mammalian neonatal spinal cord. Borrelli MJ, et al. Ultrasound Med Biol 1986 Apr;12(4):285–95
[Segmental stabilization of cervical spine fractures involving the cord] Bartolozzi P, et al. Arch Putti Chir Organi Mov 1984;34:439–43 (Eng. Abstr.) (Ita)
[Radiation-induced myelopathy] Kasperek S, et al. Neurol Neurochir Pol 1985 Mar–Apr;19(2):144–8 (22 ref.) (Pol)
[Transverse lesion of the spinal cord after treatment of laryngeal cancer] Buczyłko K. Otolaryngol Pol 1985; 39(3):257–60 (Eng. Abstr.) (Pol)

METABOLISM

Traumatic injury alters opiate receptor binding in rat spinal cord. Krumins SA, et al. Ann Neurol 1986 May; 19(5):498–501
Potassium and calcium changes in injured spinal cords. Young W, et al. Brain Res 1986 Feb 12;365(1):42–53
Spinal cord edema, 5-hydroxytryptamine, lipid peroxidation, and lysosomal enzyme release after acute contusion and compression injury in primates. Abraham J, et al. Cent Nerv Syst Trauma 1985 Spring;2(1):45–60
Molecular and anatomical correlates of spinal cord injury. Banik NL, et al. Cent Nerv Syst Trauma 1985 Summer; 2(2):99–107 (52 ref.)
The degradation of phospholipids, formation of metabolites of arachidonic acid, and demyelination following experimental spinal cord injury. Horrocks LA, et al. Cent Nerv Syst Trauma 1985 Summer;2(2):115–20
Changes in norepinephrine and histamine in monkey spinal cords traumatized by weight drop and compression. Kuruvilla A, et al. Cent Nerv Syst Trauma 1985 Spring; 2(1):61–71
Ascorbic acid: a putative biochemical marker of irreversible neurologic functional loss following spinal cord injury. Pietronigro DD, et al. Cent Nerv Syst Trauma 1985 Summer;2(2):85–92
Aminoglycoside pharmacokinetics in patients with spinal cord injury [letter] Tutag-Lehr V, et al. Clin Pharm 1986 Feb;5(2):109, 112
Increased thromboxane level in experimental spinal cord injury. Hsu CY, et al. J Neurol Sci 1986 Jul;74(2–3):289–96
Experimental spinal cord injury: effects of trauma or ischemia on TRH and muscarinic receptors. Faden AI, et al. Neurology 1986 May;36(5):723–6
Changes in TRH immunoreactivity in spinal cord after experimental spinal injury. Faden AI, et al. Neuropeptides 1986 Jan;7(1):11–8
The absolute bioavailability of oral theophylline in patients with spinal cord injury. Segal JL, et al. Pharmacotherapy 1986 Jan–Feb;6(1):26–9
Changes in lipid metabolism in traumatized spinal cord. Demediuk P, et al. Prog Brain Res 1985;63:211–26

MORTALITY

Preventable causes of death and disability from neurotrauma. Selecki BR, et al. Aust NZ J Surg 1986 Jul;56(7):529–34

NURSING

ABC of spinal cord injury. Nursing. Egerton J, et al. **Br Med J [Clin Res]** 1986 Feb 1;292(6516):325–9

Problems of veterans spinal cord injured after age 55: nursing implications. Hooker EZ. **J Neurosci Nurs** 1986 Aug; 18(4):188–95

OCCURRENCE

Spinal cord injury in the United States: a statistical update. Ergas Z. **Cent Nerv Syst Trauma** 1985 Spring;2(1):19–32

Spinal cord injuries in Taipei, Taiwan, 1978–1981. Chen CF, et al. **Paraplegia** 1985 Dec;23(6):364–70

[Spinal injuries resulting from sport and leisure accidents during the period 1963–1984. Review of a material from a 20-year period in the Physiourgic Hospital in Hornbaeck] Pedersen V. **Ugeskr Laeger** 1985 Dec 16;147(51):4236–8 (Eng. Abstr.) **(Dan)**

PATHOLOGY

Adrenergic receptors in insensitive skin of spinal cord injured patients. Rodriguez GP, et al. **Arch Phys Med Rehabil** 1986 Mar;67(3):177–80

Delayed demyelination and macrophage invasion: a candidate for secondary cell damage in spinal cord injury. Blight AR. **Cent Nerv Syst Trauma** 1985 Winter;2(4):299–315

Pathology of spinal injuries. Kakulas BA. **Cent Nerv Syst Trauma** 1984 Winter;1(2):117–29

The role of calcium in spinal cord injury. Young W. **Cent Nerv Syst Trauma** 1985 Summer;2(2):109–14 (39 ref.)

Fiber type and fiber size changes in selected thigh muscles six months after low thoracic spinal cord transection in adult cats: exercise effects. Roy RR, et al. **Exp Neurol** 1986 Jun;92(3):675–85

Monocytes become macrophages; they do not become microglia: a light and electron microscopic autoradiographic study using 125–iododeoxyuridine. Schelper RL, et al. **J Neuropathol Exp Neurol** 1986 Jan; 45(1):1–19

Experimental spinal cord injury: quantitation of axonal damage by automated image analysis. Iizuka H, et al. **J Neurosurg** 1986 Feb;64(2):304–8

Vasoactive intestinal polypeptide–, somatostatin– and substance P–immunoreactive nerves in the smooth and striated muscle of the intrinsic external urethral sphincter of patients with spinal cord injury. Crowe R, et al. **J Urol** 1986 Aug;136(2):487–91

Adrenergic and cholinergic innervation of the smooth and striated muscle components of the urethra from patients with spinal cord injury. Lincoln J, et al. **J Urol** 1986 Feb; 135(2):402–8

Labeled corticospinal neurons one year after spinal cord transection. Feringa ER, et al. **Neurosci Lett** 1985 Aug 5;58(3):283–6

Animal bites causing central nervous system injury in children. A report of three cases. Steinbok P, et al. **Pediatr Neurosci** 1985–86;12(2):96–100

Anatomic location of spinal cord injury. Relationship to the cause of injury. Fife D, et al. **Spine** 1986 Jan–Feb;11(1):2–5

[Mechanism of formation of intramedullary cavities and their role in the regeneration of the spinal cord] Ziablov VI, et al. **Arkh Anat Gistol Embriol** 1986 Jan;90(1):27–35 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

The "empty heart" sign.Hirsch CS, et al. **Am J Forensic Med Pathol** 1986 Jun;7(2):112–4

The spinal monoaminergic systems relating to ejaculation ejaculation and monoamines after spinal cord transection. Miyamoto A, et al. **Andrologia** 1986 Jan–Feb;18(1):56–62

Characteristics of the tonic stretch reflex in spastic spinal cord and head–injured patients. Gildenberg PL, et al. **Appl Neurophysiol** 1985;48(1–6):106–10

Wound healing in acute spinal cord injury: effect of anticoagulation. Frisbie JH. **Arch Phys Med Rehabil** 1986 May;67(5):311–3

Chronic pain in spinal cord injury: comparison between inpatients and outpatients. Lamid S, et al. **Arch Phys Med Rehabil** 1985 Nov;66(11):777–8

Gonadal regulation in men with flaccid paraplegia. Nance PW, et al. **Arch Phys Med Rehabil** 1985 Nov;66(11):757–9

Auditory processing in spinal cord injury: a preliminary investigation from a sensory deprivation perspective. Richards JS, et al. **Arch Phys Med Rehabil** 1986 Feb; 67(2):115–7

Gonadal deservation [letter] VerVoort SM. **Arch Phys Med Rehabil** 1986 Apr;67(4):274, 273

Renal function in spinal cord injury: a preliminary report. Viera A, et al. **Arch Phys Med Rehabil** 1986 Apr; 67(4):257–9

Inhibition of the external urethral sphincter and sacral reflex by anal stretch in spinal cord injured patients. Wu YC, et al. **Arch Phys Med Rehabil** 1986 Feb;67(2):135–6

Differential effects of sacral anterior root stimulation on anal sphincter and colorectal motility in spinally injured man. Varma JS, et al. **Br J Surg** 1986 Jun;73(6):478–82

Sympathetic activity in man after spinal cord injury. Outflow to muscle below the lesion. Stjernberg L, et al. **Brain** 1986 Aug;109 (Pt 4):695–715

Spinal cord blood flow measured with microspheres following spinal cord injury in the rat. Wallace MC, et al. **Can J Neurol Sci** 1986 May;13(2):91–6

The vestibulospinal free fall response: a test of descending function in spinal–injured cats. Gruner JA, et al. **Cent Nerv Syst Trauma** 1984 Winter;1(2):139–59

Aerobic capacity in spinal cord injured people. Hass F, et al. **Cent Nerv Syst Trauma** 1986 Winter;3(1):77–91 (59 ref.)

Spinal cord monitoring: basic principles and experimental aspects. Tamaki T, et al. **Cent Nerv Syst Trauma** 1985 Summer;2(2):137–49

Cortical potentials evoked by epidural stimulation of the cervical and thoracic spinal cord in man. Berić A, et al. **Electroencephalogr Clin Neurophysiol** 1986 Mar; 65(2):102–10

Epidurally recorded cervical somatosensory evoked potential in humans. Berić A, et al. **Electroencephalogr Clin Neurophysiol** 1986 Mar; 65(2):94–101

Voluntary suprraspinal suppression of spinal reflex activity in paralyzed muscles of spinal cord injury patients. Cioni B, et al. **Exp Neurol** 1986 Sep;93(3):574–83

Strategies for modifying axonal growth, synaptic function, and recovery of neural function after injury to the central nervous system: a conference report. National Spinal Cord Injury Association and the Society for Neuroscience. May 10–12, 1985, Fort Lauderdale, Florida. Veraa RP, et al. **Exp Neurol** 1986 Jul;93(1):1–56

Sexuality and fertility among spinal cord and/or cauda equina injuries. Comarr AE. **J Am Paraplegia Soc** 1985 Oct; 8(4):67–75 (59 ref.)

Respiratory responses to ventilatory loading following low cervical spinal cord injury. Kelling JS, et al. **J Appl Physiol** 1985 Dec;59(6):1752–6

Axonal regeneration in spinal cord injury: a perspective and new technique. Borgens RB, et al. **J Comp Neurol** 1986 Aug 8;250(2):157–67

Vascular permeability in experimental spinal cord injury. Hsu CY, et al. **J Neurol Sci** 1985 Oct;70(3):275–82

Assessing sexual functions of the adult with traumatic quadriplegia. Persaud DH. **J Neurosci Nurs** 1986 Feb; 18(1):11–2

The evaluation of creatinine clearance in spinal cord injury patients. Mohler JL, et al. **J Urol** 1986 Aug;136(2):366–9

Assessment of physical activity in inactive populations. Dearwater SR, et al. **Med Sci Sports Exerc** 1985 Dec; 17(6):651–5

Spontaneous spinal cord "injury potential" in the rat. Goodman RM, et al. **Neurosurgery** 1985 Nov;17(5):757–9

Contrasting actions of naloxone in experimental spinal cord trauma and cerebral ischemia: a review. Hamilton AJ, et al. **Neurosurgery** 1985 Nov;17(5):845–9

Motor evoked potential in cats with acute spinal cord injury. Levy W, et al. **Neurosurgery** 1986 Jul;19(1):9–19

The neurovisceral and electrodiagnostic evaluation of patients with thoracic spinal cord injury. Glick ME, et al. **Paraplegia** 1986 Jun;24(3):129–37

Nocturnal penile tumescence studies in spinal cord injured males. Lamid S. **Paraplegia** 1986 Feb;24(1):26–31

Detrusor inhibition in suprasacral spinal cord injuries: is it due to sympathetic overactivity? Mathe JF, et al. **Paraplegia** 1985 Aug;23(4):201–6

Effects of thoracic spinal cord transection on colonic motor activity in rats. Meshkinpour H, et al. **Paraplegia** 1985 Oct; 23(5):272–6

Spinal cord injury during windsurfing. Patel MK, et al. **Paraplegia** 1986 Jun;24(3):191–3

Cystometrographic patterns in predicting bladder function after spinal cord injury. Ruutu M. **Paraplegia** 1985 Aug; 23(4):243–52

Motor dysfunction after spinal cord injury is mediated by opiate receptors. Faden AI, et al. **Peptides** 1985;6 Suppl 1:15–7

Alterations of neuroendocrine functions in spinal cord injury. Naftchi NE. **Peptides** 1985;6 Suppl 1:85–94

[Ejaculation in men with spinal cord injuries] Bakker H. **Ned Tijdschr Geneeskd** 1985 Oct 5;129(40):1931–3 (Eng. Abstr.) **(Dut)**

[Dynamic study of miction in patients with spinal cord injuries. Comparison with cystomanometry in 50 cases] Chagnon S, et al. **J Radiol** 1985 Dec;66(12):807–14 (Eng. Abstr.) **(Fre)**

[Clinical studies of autonomic hyperreflexia] Otani T, et al. **Hinyokika Kiyo** 1985 Jul;31(7):1143–9 (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

A spinal cord injury prevention program. Pierson P, et al. **Nebr Med J** 1986 May;71(5):133

[Prevention of spinal cord injury after cross–clamping of the descending thoracic aorta] Oka Y. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Oct; 33(10):1956–62 (Eng. Abstr.) **(Jpn)**

PSYCHOLOGY

Psychological adjustment problems in people with traumatic spinal cord lesions. Orbaan IJ. **Acta Neurochir (Wien)** 1986; 79(1):58–61

Correlates of life satisfaction and depression in middle–aged and elderly spinal cord–injured persons. Decker SD, et al. **Am J Occup Ther** 1985 Nov;39(11):740–5

Psychologic adjustment to spinal cord injury during first postdischarge year. Richards JS. **Arch Phys Med Rehabil** 1986 Jun;67(6):362–5

Psychosocial responses to spinal cord injury. Richmond TS, et al. **J Neurosci Nurs** 1986 Aug;18(4):183–7

A comparison of the psychological characteristics of male and female able–bodied and wheelchair athletes. Horvat M, et al. **Paraplegia** 1986 Apr;24(2):115–22

Liaison psychiatry in a spinal injuries unit. Judd FK, et al. **Paraplegia** 1986 Feb;24(1):6–19

[Sexual adjustment of women with spinal cord injuries] Shaked A, et al. **Harefuah** 1985 Sep;109(5–6):113–6 (Eng. Abstr.) **(Heb)**

RADIOGRAPHY

ABC of spinal cord injury. Radiological investigations. Grundy D, et al. **Br Med J [Clin Res]** 1985 Dec 14; 291(6510):1702–5

ABC of spinal cord injury: radiological investigations [letter] Morcos SK, et al. **Br Med J [Clin Res]** 1986 Jan 25; 292(6515):270

Computed tomography in spinal trauma [letter] Morcos SK, et al. **Clin Radiol** 1986 Jul;37(4):413

Post–traumatic dorsal pseudomeningocele. Kachooie A, et al. **J Can Assoc Radiol** 1985 Sep;36(3):262–3

Unnecessary (?) x–ray studies [editorial] Rosen P. **J Emerg Med** 1985;2(4):303–4

Iatrogenic dilatation of the upper urinary tract during radiographic evaluation of patients with spinal cord injury. Stover SL, et al. **J Urol** 1986 Jan;135(1):78–82

Radiography in a modern spinal treatment centre. Woodford M, et al. **Radiography** 1985 Sep–Oct;51(599):269–73

[Cervical myelography and x–ray computed tomography in arm paralysis of traumatic origin] Roger B, et al. **J Radiol** 1985 Nov;66(11):659–66 (Eng. Abstr.) **(Fre)**

[CT–myelography of cervical cord injury] Koyanagi I, et al. **No Shinkei Geka** 1986 Feb;14(2):143–7 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Regional lung perfusion and ventilation with radioisotopes in cervical cord–injured patients. Hiraizumi Y, et al. **Clin Nucl Med** 1986 May;11(5):352–7

REHABILITATION

Independence: the ultimate goal of rehabilitation for spinal cord–injured persons. Frieden L, et al. **Am J Occup Ther** 1985 Nov;39(11):734–9

Wheelchair cushions for spinal cord–injured individuals. Garber SL. **Am J Occup Ther** 1985 Nov;39(11):722–5

New perspectives for the occupational therapist in the treatment of spinal cord–injured individuals. Garber SL. **Am J Occup Ther** 1985 Nov;39(11):703–4

Enhancing vocational outcomes of spinal cord–injured persons: the occupational therapist's role. Kanellos MC. **Am J Occup Ther** 1985 Nov;39(11):726–33

Occupational therapy management of the acute spinal cord–injured patient. Sargant C, et al. **Am J Occup Ther** 1986 May;40(5):333–7

Martial arts for the quadriplegic. Pandavela J, et al. **Am J Phys Med** 1986 Feb;65(1):17–29

Voice recognition device as a computer interface for motor and speech impaired people. Fried–Oken M. **Arch Phys Med Rehabil** 1985 Oct;66(10):678–81

The innovative rehabilitation team: an experiment in team building. Halstead LS, et al. **Arch Phys Med Rehabil** 1986 Jun;67(6):357–61

Health maintenance: paraplegic athletes and nonathletes. Stotts KM. **Arch Phys Med Rehabil** 1986 Feb;67(2):109–14

Data on spinal injuries—Part II. Outcome of the treatment of 352 consecutive admissions. Burke DC, et al. **Aust NZ J Surg** 1985 Aug;55(4):377–82

ABC of spinal cord injury. Social needs of the patient and his family. Bamford E, et al. **Br Med J [Clin Res]** 1986 Feb 22;292(6519):546–8

ABC of spinal cord injury. Physiotherapy. Biss S, et al. **Br Med J [Clin Res]** 1986 Feb 8;292(6517):388–91

ABC of spinal cord injury. Later management and complications—II. Grundy D, et al. **Br Med J [Clin Res]** 1986 Mar 15;292(6522):743–5

ABC of spinal cord injury. Occupational therapy. Henshaw J, et al. **Br Med J [Clin Res]** 1986 Feb 15;292(6518):473–5

ABC of spinal cord injury. Transfer of care from hospital to community. Kinnersly D, et al. **Br Med J [Clin Res]** 1986 Mar 1;292(6520):607–9

Spinal cord injury: old problems, new approaches. Ragnarsson KT. **Bull NY Acad Med** 1986 Mar;62(2):174–81

Electronic technical aids for persons with high level spinal cord injury. Dickey R. **Cent Nerv Syst Trauma** 1986 Winter;3(1):93–110

The use of functional electrical stimulation for rehabilitation of spinal cord injured patients. Petrofsky JS, et al. **Cent Nerv Syst Trauma** 1984 Fall;1(1):57–74 (45 ref.)

Patient education in practice: an international survey of spinal injury units. Lawes CJ. **Int J Rehabil Res** 1985;8(3):321–9

The effect of thigh muscle reconditioning by electrical stimulation on urodynamic activity in SCI patients. Wheeler JS Jr, et al. **J Am Paraplegia Soc** 1986 Jan–Apr; 9(1–2):16–23

Promoting independence in adolescent paraplegics: a 2–week "camping" experience.Bodzioch J, et al. **J Pediatr Orthop** 1986 Mar–Apr;6(2):198–201

Spinal cord injuries. Harris M. **J R Soc Health** 1986 Apr;

106(2):51–5

Postoperative management and acute rehabilitation of patients with spinal cord injuries. McCagg C. **Orthop Clin North Am** 1986 Jan;17(1):171–82

Penile prostheses in spinal cord injured patients: combined psychosexual counselling and surgical regimen. Green BG, et al. **Paraplegia** 1986 Jun;24(3):167–72

An evaluation of pneumatic orthoses in thoracic paraplegia. Strachan RK, et al. **Paraplegia** 1985 Oct;23(5):295–305

The effects of an arm ergometer training programme on wheelchair subjects. Taylor AW, et al. **Paraplegia** 1986 Apr;24(2):105–14

Guidelines for routine respiratory care of patients with spinal cord injury. A clinical report. Clough P, et al. **Phys Ther** 1986 Sep;66(9):1395–402

Spinal cord injury community follow-up. Role of the physical therapist. Curtis KA, et al. **Phys Ther** 1986 Sep; 66(9):1370–5

Restoration of walking in patients with incomplete spinal cord injuries by use of surface electrical stimulation—preliminary results. Bajd T, et al. **Prosthet Orthot Int** 1985 Aug;9(2):109–11

[Vibration massage in genito-sexual rehabilitation of spinal cord injuries. Our experience] Beretta G, et al. **Minerva Urol Nefrol** 1985 Apr–Jun;37(2):203–6 (Eng. Abstr.) (Ita)

[Rehabilitation of adult spinal cord injuries] Miake A, et al. **Hokkaido Igaku Zasshi** 1986 May;61(3):348–51 (Jpn)

[Early rehabilitation after spinal cord injuries] Kiwerski J. **Pol Tyg Lek** 1985 Oct 21;40(42):1193–4 (Pol)

SURGERY

Peripheral nerve autografts to the injured spinal cord of the rat: an experimental model for the study of spinal cord regeneration. Fernandez E, et al. **Acta Neurochir (Wien)** 1985;78(1–2):57–64

Neurotrauma. Simpson D. **Aust NZ J Surg** 1986 Jul; 56(7):527–8

Intraspinal, extradural stab injury of the spine without neurological deficit. A case report. Harmit S, et al. **Int Orthop** 1985;9(4):277–8

Postoperative results of opponensplasty and flexor tendon transfer in patients with spinal cord injuries. Kelly CM, et al. **J Hand Surg [Am]** 1985 Nov;10(6 Pt 1):890–4

Intercostal–lumbar–spinal nerve anastomoses for cord transection. A preliminary investigation. Dai KR, et al. **J Reconstr Microsurg** 1985 Jan;1(3):223–6

Patient with spinal cord injury. Frost EA. **Middle East J Anesthesiol** 1986 Feb;8(4):309–14

The value of more aggressive management in traumatic paraplegia. Braakman R. **Neurosurg Rev** 1986;9(1–2):141–7

Omental transposition to the chronically injured human spinal cord. Goldsmith HS, et al. **Paraplegia** 1986 Jun;24(3):173–4

Evaluation of acute surgical intervention in traumatic paraplegia. Wilmot CB, et al. **Paraplegia** 1986 Apr; 24(2):71–6

[Surgery of spinal injuries with spinal cord lesions] Fontaine M, et al. **Acta Orthop Belg** 1986 Mar–Apr;52(2):124–33 (Eng. Abstr.) (Fre)

[Decompression-fixation via the anterior approach with intersomatic arthrodesis and A.O. plates in neck injuries] Taborelli A, et al. **Riv Neurobiol** 1984 Apr–Sep; 30(2–3):483–92 (Eng. Abstr.) (Ita)

[Spinal cord injury by a broken acupuncture needle—a case report] Maruoka N, et al. **No Shinkei Geka** 1986 May; 14(6):785–7 (Eng. Abstr.) (Jpn)

[A case of traumatic anterior dislocation of C4 recovered from complete tetraplegia] Okada K, et al. **No Shinkei Geka** 1985 Jul;13(7):799–803 (Eng. Abstr.) (Jpn)

[20 years' activity of the department for the treatment of spinal injuries in the acute post-traumatic period] Kiwerski J. **Chir Narzadow Ruchu Ortop Pol** 1985;50(3):258–64 (Eng. Abstr.) (Pol)

THERAPY

Immobilization hypercalcemia following spinal cord injury. Maynard FM. **Arch Phys Med Rehabil** 1986 Jan;67(1):41–4

Spinal cord decompression sickness: a comparison of recompression therapies in an animal model. Sykes JJ, et al. **Aviat Space Environ Med** 1986 Jun;57(6):561–8

ABC of spinal cord injury: at the accident [letter] **Br Med J [Clin Res]** 1986 Jan 11;292(6513):138–9

Early management of spinal cord injury [letter] **Br Med J [Clin Res]** 1986 Feb 15;292(6518):485

Ventilation or dignified death for patients with high tetraplegia. Gardner BP, et al. **Br Med J [Clin Res]** 1985 Dec 7;291(6509):1620–2

ABC of spinal cord injury. Early management and complications—I. Grundy D, et al. **Br Med J [Clin Res]** 1986 Jan 4;292(6512):44–7

ABC of spinal cord injury. Later management and complications—I. Grundy D, et al. **Br Med J [Clin Res]** 1986 Mar 8;292(6521):677–80

ABC of spinal cord injury. Urological management. Grundy D, et al. **Br Med J [Clin Res]** 1986 Jan 25;292(6515):249–53

How do you resuscitate someone with spinal cord injury? [letter] London PS. **Br Med J [Clin Res]** 1986 Mar 8; 292(6521):695–6

ABC of spinal cord injury. At the accident. Swain A, et al. **Br Med J [Clin Res]** 1985 Nov 30;291(6508):1558–60

ABC of spinal cord injury. Evacuation and initial management at hospital. Swain A, et al. **Br Med J [Clin Res]** 1985 Dec 7;291(6509):1623–5

Acute spinal cord injury: a systems approach. Green BA, et al. **Cent Nerv Syst Trauma** 1984 Winter;1(2):173–95

The use of hyperbaric oxygen to modify the effects of recent contusion injury to the spinal cord. Yeo JD. **Cent Nerv Syst Trauma** 1984 Winter;1(2):161–5

Comprehensive management of spinal cord injury. Donovan WH, et al. **Clin Symp** 1982;34(2):2–36

Respiratory management of the neurosurgical patient. Frost EA. **Int Anesthesiol Clin** 1986 Spring;24(1):105–14 (34 ref.)

Effect of enterostomy on quality of life in spinal cord injury patients. Frisbie JH, et al. **J Am Paraplegia Soc** 1986 Jan–Apr;9(1–2):3–5

Transected dorsal column axons within the guinea pig spinal cord regenerate in the presence of an applied electric field. Borgens RB, et al. **J Comp Neurol** 1986 Aug 8; 250(2):168–80

Neural tissue transplants rescue axotomized rubrospinal cells from retrograde death. Bregman BS, et al. **J Comp Neurol** 1986 Feb 1;244(1):86–95

Initial bladder management in spinal cord injury: does it make a difference? Lloyd LK, et al. **J Urol** 1986 Mar;135(3):523–7

The changing clinical program at Montebello: a review of SCI patients 1979–1984. Koval J, et al. **Md Med J** 1986 Jun;35(6):487–92

Changing demographic profile of the spinal cord injury population: implications for health care support systems. Eisenberg MG, et al. **Paraplegia** 1985 Dec;23(6):335–43

Fractures of the thoraco–lumbar spine. Lifeso RM, et al. **Paraplegia** 1985 Aug;23(4):207–24

Use of the mobilizer in the care of acute spinal injuries. Brackett TO. **Surg Neurol** 1986 Apr;25(4):373–4

Historical development of spinal cord cooling. White RJ. **Surg Neurol** 1986 Mar;25(3):295–8

VETERINARY

Dimethyl sulfoxide [letter] Heymann LD. **J Am Vet Med Assoc** 1986 Jun 15;188(12):1364–5

SPINAL CORD NEOPLASMS

Multiple neurilemmomas of the cauda equina, cavernous hemangioma of the spinal cord, and degeneration of the lateral corticospinal tracts in a man with the clinical diagnosis of multiple sclerosis. Lindboe CF, et al. **Clin Neuropathol** 1985 Nov–Dec;4(6):260–4

[Spinal hemangiomas] Sulla I, et al. **Rozhl Chir** 1986 Jun; 65(6):393–5 (Eng. Abstr.) (Slo)

ANALYSIS

Estrogen and progestin receptors in acoustic and spinal neurilemmomas. Clinicopathologic correlations. Markwalder TM, et al. **Surg Neurol** 1986 Aug;26(2):142–8

CEREBROSPINAL FLUID

[Serotonin and its metabolites in the cerebrospinal fluid and blood of patients with tumors of the spinal cord] Makarov AIu, et al. **Zh Vopr Neirokhir** 1985 Sep–Oct;(5):12–5 (Eng. Abstr.) (Rus)

COMPLICATIONS

Combined arteriovenous malformation and intramedullary lipoma: surgery and embolotherapy. Rice JF, et al. **AJNR** 1986 Jan–Feb;7(1):171–3

Hydrocephalic dementia and spinal cord tumor. Report of a case and review of the literature. Feldmann E, et al. **Arch Neurol** 1986 Jul;43(7):714–8

Neuropathic osteonecrosis of the lateral femoral condyle in childhood. A report on four cases. Citron ND, et al. **J Bone Joint Surg [Br]** 1986 Jan;68(1):96–9

Primary leptomeningeal gliomatosis and "numb, clumsy hands": a case report. Blumenkopf B, et al. **Neurosurgery** 1986 Mar;18(3):363–6

Dermoid cyst of the spine in childhood. Hagan H 3d, et al. **Orthopedics** 1986 Jan;9(1):107–9

Chiari type I malformation with an associated intramedullary schwannoma. Drapkin AJ, et al. **Surg Neurol** 1985 Nov; 24(5):511–9

Ovarian granulocytic sarcoma with central nervous system involvement. Marra R, et al. **Tumori** 1986 Jun 30; 72(3):335–8

[Neurogenic bladder caused by spinal cord traction] Garat JM, et al. **J Urol (Paris)** 1985;91(3):145–54 (Eng. Abstr.) (Fre)

[Meningeal hemorrhage, a symptom disclosing spinal tumor in children] Perel Y, et al. **Pediatrie** 1985 Dec;40(8):645–51 (Eng. Abstr.) (Fre)

[Epidural lipomatous compression. Apropos of a case] Conte D, et al. **Rev Med Interne** 1986 Mar;7(2):171–3 (Fre)

[Spinal subarachnoid hemorrhage. Apropos of 2 cases of cauda equina tumors] Vernet O, et al. **Schweiz Med Wochenschr** 1986 Jun 7;116(23):781–5 (Eng. Abstr.) (Fre)

[Clinical study of spinal cord compression due to metastatic epidural tumors] Ikehara O, et al. **Gan No Rinsho** 1986 Jan;32(1):76–84 (Eng. Abstr.) (Jpn)

[CT findings in acute spinal epidural hematoma caused by a ruptured cavernous angioma] Ogawa T, et al. **No Shinkei Geka** 1986 Apr;14(5):687–91 (Eng. Abstr.) (Jpn)

[A huge intraspinal teratocarcinoma associated with an arachnoid cyst in a child] Yamada H, et al. **No Shinkei Geka** 1985 Jul;13(7):749–54 (Eng. Abstr.) (Jpn)

[A case with spinal epidural angioma which showed Brown–Séquard syndrome] Iwami O, et al. **Rinsho Shinkeigaku** 1986 Feb;26(2):143–8 (Eng. Abstr.) (Jpn)

[Spinal cord involvement in Burkitt-type lymphoma: report of a case] Drummond MC, et al. **Arq Neuropsiquiatr** 1985 Jun;43(2):210–3 (Eng. Abstr.) (Por)

DIAGNOSIS

Oral prodromal signs of a central nervous system malignant neoplasm—glioblastoma multiforme: report of case. Cohen S, et al. **J Am Dent Assoc** 1986 May;112(5):643–5

Immunoperoxidase labelled antibody staining in differential diagnosis of central nervous system haemangioblastomas and central nervous system metastases of renal carcinomas. Andrew SM, et al. **J Clin Pathol** 1986 Aug;39(8):917–9

MR imaging of a spinal teratoma. Monajati A, et al. **J Comput Assist Tomogr** 1986 Mar–Apr;10(2):307–10

Ambiguities in MR imaging of tumoral cysts in the spinal cord. Rubin JM, et al. **J Comput Assist Tomogr** 1986 May–Jun;10(3):395–8

Neuroblastoma simulating tuberculous extradural granuloma. Subburam P, et al. **J Indian Med Assoc** 1985 Oct; 83(10):349–50

Case 52–1985: oat-cell carcinoma of the lung [letter] **N Engl J Med** 1986 Oct 2;315(14):896–7

Intraspinal neurenteric cyst containing gastric mucosa: CT and MRI findings. Kantrowitz LR, et al. **Pediatr Radiol** 1986;16(4):324–7

Recent developments in magnetic resonance imaging of CNS tumours. Bydder GM. **Prog Exp Tumor Res** 1985;29:36–44

Primary malignant lymphoma of the central nervous system. Spaun E, et al. **Surg Neurol** 1985 Dec;24(6):646–50

[Contribution of electron microscopy in the differential diagnosis of tumors of the meninges, brain and spinal cord] Bucek J, et al. **Cesk Patol** 1986 May;22(2):65–9 (Eng. Abstr.) (Cze)

[Comparison of clinical findings and nuclear magnetic resonance tomography in syringohydromyelia and intramedullary tumors] Hülser PJ, et al. **Fortschr Neurol Psychiatr** 1986 Feb;54(2):54–8 (Eng. Abstr.) (Ger)

[Intraoperative sonographic demonstration of intraspinal tumors] Dewes W, et al. **ROFO** 1986 May;144(5):558–61 (Eng. Abstr.) (Ger)

[Malignant fibrous histiocytoma of the CNS] Dewes W, et al. **ROFO** 1986 Aug;145(2):231–3 (Ger)

[NMR-tomography of cerebral midline tumors and cervical cord processes in children] Just M, et al. **ROFO** 1986 Aug; 145(2):163–6 (Eng. Abstr.) (Ger)

[Magnetic resonance tomography in the diagnosis of cerebral and spinal masses in children] Langer R, et al. **ROFO** 1986 Jun;144(6):644–7 (Eng. Abstr.) (Ger)

[MR imaging of intraspinal tumor—new extradural sign] Hashimoto H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Mar 25; 46(3):500–2 (Eng. Abstr.) (Jpn)

[Magnetic resonance imaging of the tumor in the spine] Matsuoka Y, et al. **Rinsho Hoshasen** 1985 Oct;30(10):1061–7 (Eng. Abstr.) (Jpn)

[Intradural lipoma of the spinal canal] Araszkiewicz H, et al. **Chir Narzadow Ruchu Ortop Pol** 1985;50(5):421–4 (Eng. Abstr.) (Pol)

[Case of a tumor of the cranio-cervical region] Dragon A, et al. **Neurol Neurochir Pol** 1985 May–Jun;19(3):265–8 (Eng. Abstr.) (Pol)

[A case of angioma of the spinal cord] Pluta RM, et al. **Neurol Neurochir Pol** 1986 Jan–Feb;20(1):76–8 (Eng. Abstr.) (Pol)

[Clinical picture and early diagnosis of craniospinal tumors] Mozolevskiĭ IuV, et al. **Zh Nevropatol Psikhiatr** 1986; 86(5):668–72 (Eng. Abstr.) (Rus)

[Cervical intra-spinal cord lipoma in a 14-month-old girl] de la Cruz Medina M, et al. **An Esp Pediatr** 1985 Sep; 23(3):211–4 (Eng. Abstr.) (Spa)

ETIOLOGY

Multifocal spinal angiosarcoma after chordotomy. Kristoferitsch W, et al. **Acta Neurochir (Wien)** 1986; 79(2–4):145–53

Epidermoid spinal cord tumour after lumbar puncture. Halcrow SJ, et al. **Arch Dis Child** 1985 Oct;60(10):978–9

Intraspinal epidermoid tumors caused by lumbar puncture. McDonald JV, et al. **Arch Neurol** 1986 Sep;43(9):936–9

METABOLISM

Sulfate–chloride exchange transport in a glioma cell line. Wolpaw EW, et al. **Biochim Biophys Acta** 1986 Feb 27; 855(2):302–11

Beta-receptor-stimulated and cyclic adenosine 3',5'-monophosphate-mediated taurine release from LRM55 glial cells. Madelian V, et al. **J Neurosci** 1985 Dec; 5(12):3154–60

OCCURRENCE

[Primary intraspinal tumors in children] Stensvold K, et al.

Tidsskr Nor Laegeforen 1986 Feb 10;106(4):310–2 (Eng. Abstr.) (Nor)

PATHOLOGY

Fine needle aspiration cytology of hemangioblastoma of the spinal cord. Report of a case with immunocytochemical and ultrastructural studies. Silverman JF, et al. Acta Cytol (Baltimore) 1986 May–Jun;30(3):303–8

Extradural granulocytic sarcoma of the spine: a unique case of long survival after local therapy. Chan JK, et al. Am J Hematol 1986 Aug;22(4):439–41

Hemangioma calcificans of the spinal cord. Tyndel FJ, et al. Can J Neurol Sci 1985 Nov;12(4):321–2

Astrocytoma as a second malignancy in patients with acute lymphoblastic leukemia. Malone M, et al. Cancer 1986 May 15;57(10):1979–85

Cytologic results of fine-needle aspiration biopsies of the central nervous system. Silverman JF, et al. Cancer 1986 Sep 1;58(5):1117–21

Myxopapillary ependymoma of the filum terminale. A light and electron microscopic study. Specht CS, et al. Cancer 1986 Jul 15;58(2):310–7

Intramedullary dermoid of the cervical spinal cord in a child [letter] Verdu A, et al. J Neurol Neurosurg Psychiatry 1986 Apr;49(4):462–3

Cell kinetics analysis in a case of teratoma of the thoracic spine. Murovic JA, et al. J Neurosurg 1986 Sep;65(3):331–4

Central nervous system involvement in congenital visceral fibromatosis. Adickes ED, et al. Pediatr Pathol 1985; 3(2–4):329–40

Calcification in glioblastoma multiforme of the cervical spinal cord. Kubota T, et al. Surg Neurol 1986 Aug;26(2):183–6

[Cystic cervico-dorso-lumbar teratoma] Giacomini P, et al. Riv Neurol 1986 Jan–Feb;56(1):1–8 (Eng. Abstr.) (Ita)

[Intramedullary schwannoma with extradural extension: case report] Maruki C, et al. No Shinkei Geka 1986 Mar; 14(4):579–84 (Eng. Abstr.) (Jpn)

[A cell kinetic study of human central nervous system tumors with 5-bromodeoxyuridine (BrdU)] Nagashima T, et al. No To Shinkei 1985 Dec;37(12):1195–201 (Eng. Abstr.) (Jpn)

PHYSIOPATHOLOGY

[Somatosensory evoked potentials in intraspinal tumors] Mauguière F, et al. Rev Electroencephalogr Neurophysiol Clin 1985 Jul; 15(1):95–106 (Eng. Abstr.) (Fre)

RADIOGRAPHY

Value of intravenous contrast enhancement in the CT evaluation of intraspinal tumors. Lapointe JS, et al. AJR 1986 Jan;146(1):103–7

A five-year experience with central nervous system lymphoma. Kotasek D, et al. Med J Aust 1986 Mar 17; 144(6):299–303

Dumbbell-shaped spinal epidural cavernous angioma. Morioka T, et al. Surg Neurol 1986 Feb;25(2):142–4

[Selected cases in pneumomyelography diagnosis] Feldmann H, et al. Psychiatr Neurol Med Psychol Beih 1969; 10–11:32–6 (Ger)

[Spinal epidural malignant lymphoma—report of two cases and review of the literature] Takahashi K, et al. No Shinkei Geka 1986 Jul;14(8):989–94 (Eng. Abstr.) (Jpn)

RADIOTHERAPY

Radiotherapeutic management of adult intraspinal ependymomas. Shaw EG, et al. Int J Radiat Oncol Biol Phys 1986 Mar;12(3):323–7

Chordoma: role of radiation therapy. Amendola BE, et al. Radiology 1986 Mar;158(3):839–43

SECONDARY

Clinical features and natural history of intramedullary spinal cord metastasis. Grem JL, et al. Cancer 1985 Nov 1; 56(9):2305–14

Epidural cord compression in association with genitourinary neoplasms. Liskow A, et al. Cancer 1986 Aug 15; 58(4):949–54

Treatment of leptomeningeal dissemination of medulloblastoma. Report of a case with a long-term survival. Stevering CJ, et al. Clin Neurol Neurosurg 1985; 87(4):291–6

Esthesioneuroblastoma: cerebral and spinal metastases without direct cranial invasion. Ranjan D, et al. J Neurooncol 1986;4(1):71–4

Spinal intramedullary spread of medulloblastoma. Case report. Barnwell SL, et al. J Neurosurg 1986 Aug; 65(2):253–5

Intracranial and intraspinal dissemination from a growth hormone-secreting pituitary tumor. Case report. Hashimoto N, et al. J Neurosurg 1986 Jan;64(1):140–4

Simultaneous leptomeningeal and intramedullary spinal metastases in small cell lung carcinoma. Weissman DE, et al. Med Pediatr Oncol 1986;14(1):54–6

Subarachnoid haemorrhage due to widely metastatising malignant ependymoma. Pago I, et al. Neurochirurgia (Stuttg) 1985 Nov;28(6):243–5

Malignant carcinoid causing spinal cord compression. Gowitt GT, et al. Neurosurgery 1985 Nov;17(5):801–6

Sensitivity and specificity of cerebrospinal fluid biochemical markers of central nervous system metastases. Ongerboer de Visser BW, et al. Prog Exp Tumor Res 1985;29:105–15

Diagnosis of spinal cord and cauda equina metastases. Sharr MM. Prog Exp Tumor Res 1985;29:93–104

Spinal metastases of cerebral glioblastoma: the value of computed tomographic metrizamide myelography in the diagnosis. Onda K, et al. Surg Neurol 1986 Apr; 25(4):399–405

Metastatic tumor of unknown origin. Hammar S, et al. Ultrastruct Pathol 1986;10(3):281–8

[Intradural metastasis of cerebral glioblastoma multiforme (letter)] Lauvin R, et al. Presse Med 1986 Apr 5; 15(14):664–5 (Fre)

[Metastases to the nervous system] Berlit P, et al. Nervenarzt 1985 Aug;56(8):410–6 (Eng. Abstr.) (Ger)

[Spinal drainage metastasis in cerebral glioblastoma/gliosarcoma] Firsching R, et al. Nervenarzt 1985 Nov;56(11):629–34 (Ger)

[Complete remission in a case of concurrent breast and thyroid cancers with metastatic spinal paralysis] Ohganè T, et al. Gan To Kagaku Ryoho 1986 Aug;13(8):2667–70 (Eng. Abstr.) (Jpn)

SURGERY

Posterolateral approach to tumours of the dorsolumbar spine. Lesoin F, et al. Acta Neurochir (Wien) 1986;81(1–2):40–4

Spinal cord astrocytomas of childhood. Epstein F. Adv Tech Stand Neurosurg 1986;13:135–69

False negative intraoperative somatosensory evoked potentials with simultaneous bilateral stimulation. Molaie M. Clin Electroencephalogr 1986 Jan;17(1):6–9

Laminectomy for metastatic epidural spinal cord tumors. Posterior stabilization, radiotherapy, and preoperative assessment. Sherman RM, et al. Clin Orthop 1986 Jun; (207):55–63

Laser microsurgery: a review of 105 intracranial tumors. Salcman M, et al. J Neurooncol 1986;3(4):363–71

Outcome after intramedullary spinal tumor resection [letter] Bucci MN. J Neurosurg 1986 Apr;64(4):687

Large intramedullary lipoma of the cervical cord and posterior fossa. Case report. Mori K, et al. J Neurosurg 1986 Jun;64(6):974–6

Astrocytomas of the spinal cord in children and adolescents. Reimer R, et al. J Neurosurg 1985 Nov;63(5):669–75

Hemangioblastoma of the cervicomedullary junction. Report of three cases. Sanford RA, et al. J Neurosurg 1986 Feb; 64(2):317–21

Status quo and new horizons of laser therapy in neurosurgery. Ascher PW. Lasers Surg Med 1985;5(5):499–506

Giant spinal ependymoma. A case report. Corriero G, et al. Neurochirurgia (Stuttg) 1985 Nov;28(6):232–4

Laser resection of fifty spinal lipomas. McLone DG, et al. Neurosurgery 1986 May;18(5):611–5

Post laminectomy kyphoscoliosis following surgical treatment for spinal cord astrocytoma. Johnston CE 2d. Orthopedics 1986 Apr;9(4):587–94

[Pilonidal sinus associated with intraspinal dermoid or epidermoid cyst in children] Zhao YC. Chung Hua Shen Ching Ching Shen Ko Tsa Chih 1984 Dec; 17(6):346–7 (Eng. Abstr.) (Chi)

[Multiple hemangioblastomas occurring in the cerebellum, spinal cord, and undersurface of the occipital lobe. Case report] Abiko S, et al. Neurol Med Chir (Tokyo) 1986 Mar; 26(3):250–5 (Eng. Abstr.) (Jpn)

[Lumbosacral lipoma: computed tomographic scan findings and surgical correction] Morimoto K, et al. No Shinkei Geka 1986 Mar;14(3 Suppl):391–6 (Eng. Abstr.) (Jpn)

THERAPY

Primary spinal cord tumors treated with surgery and postoperative irradiation. Garcia DM. Int J Radiat Oncol Biol Phys 1985 Nov;11(11):1933–9

Expanded role of the cerebrospinal fluid reservoir in neurooncology: indications, causes of revision, and complications. Machado M, et al. Neurosurgery 1985 Oct; 17(4):600–3

Results of a multicenter retrospective study on pediatric brain tumors in Italy. Madon E, et al. Tumori 1986 Jun 30; 72(3):285–92

ULTRASTRUCTURE

Ultrastructure of chordoma. A case report. Sirikulchayanonta V, et al. Acta Pathol Jpn 1985 Sep;35(5):1233–9

VETERINARY

Astrocytoma in the spinal cord of an aged rat. Aiuchi M, et al. Nippon Juigaku Zasshi 1986 Feb;48(1):177–81

SPINAL CORD SYPHILIS see TABES DORSALIS

SPINAL DISEASES

Pyogenic spinal osteomyelitis: a review of 61 cases. Silverthorn KG, et al. NZ Med J 1986 Feb 12;99(795):62–5

[Complex creative youth collective. Work experience] Khvisiuk NI, et al. Ortop Travmatol Protez 1985 Aug; (8):60–2 (Rus)

CHEMICALLY INDUCED

Minimal spinal hyperostosis with low-dose isotretinoin therapy. Kilcoyne RF, et al. Invest Radiol 1986 Jan; 21(1):41–4

COMPLICATIONS

Pseudoaneurysm of the vertebral artery: a complication of rheumatoid cervical spine disease. Fedele FA, et al. Arthritis Rheum 1986 Jan;29(1):136–41

Low back pain. Bogduk N. Aust Fam Physician 1985 Nov; 14(11):1168–70, 1172

Enthesopathy of the heels in juvenile onset seronegative B27 positive spondyloarthropathy [letter] Mielants H, et al. J Rheumatol 1986 Jun;13(3):657

Concomitant discitis and spondylolisthesis at adjacent lumbar vertebrae. Loder RT, et al. Orthopedics 1986 Feb; 9(2):283–5

Vertebral osteomyelitis. The surgical management of neurologic complications. Abramovitz JN, et al. Spine 1986 Jun;11(5):418–20

Cervical angina. A correlative study with emphasis on the use of coronary arteriography. Brodsky AE. Spine 1985 Oct;10(8):699–709

Myelopathy due to spinal arachnoid cyst. A case report. Dyck P. Spine 1986 Jan–Feb;11(1):80–2

Occult respiratory and autonomic dysfunction in craniovertebral anomalies and upper cervical spinal disease. Rosomoff HL. Spine 1986 May;11(4):345–7

Hydrocephalus, cervical cord lesions, and spinal deformity. Sherk HH, et al. Spine 1986 May;11(4):340–2

[Vertebral eosinophilic granuloma and spinal cord compression] Mayer M, et al. Arch Fr Pediatr 1985 Jun–Jul; 42(6):441–2 (Eng. Abstr.) (Fre)

[Posterior hernia of a calcified disk in children. Apropos of 2 cases] Nicolau A, et al. J Radiol 1985 Nov;66(11):683–8 (Eng. Abstr.) (Fre)

[Psoriatic spondylarthritis with aortic insufficiency (letter)] Deshayes P, et al. Rev Rhum Mal Osteoartic 1986 Jan; 53(1):59 (Fre)

[A new case of vertebral osteonecrosis with spinal compression (letter)] Gatfosse M, et al. Rev Rhum Mal Osteoartic 1986 Apr;53(4):291–3 (Fre)

[Cervical dural ectasia in von Recklinghausen's disease] Hanakita J, et al. No Shinkei Geka 1985 Jul;13(7):785–9 (Eng. Abstr.) (Jpn)

[Scapuloperoneal amyotrophy with rigid spine] Yoshimura K, et al. Rinsho Shinkeigaku 1985 Jul;25(7):784–7 (Eng. Abstr.) (Jpn)

[Electroneuromyography in evaluating the efficacy of treatment with physical factors] Amirov RZ, et al. Vopr Kurortol Fizioter Lech Fiz Kult 1986 Jan–Feb;(1):51–4 (Eng. Abstr.) (Rus)

[Clinico-electromyographic characteristics of amyotrophic lateral sclerosis and the syndrome of amyotrophic lateral sclerosis of vertebrogenic etiology] Makarov AIu, et al. Zh Nevropatol Psikhiatr 1986;86(2):182–7 (Eng. Abstr.) (Rus)

[Effect of hyperbaric oxygenation on the recovery of motor functions in vertebrogenic myelopathies] Neretin VIa, et al. Zh Nevropatol Psikhiatr 1985;85(12):1774–8 (Eng. Abstr.) (Rus)

CONGENITAL

[Congenital spinal intradural and extradural cysts] Gambardella A, et al. Radiol Med (Torino) 1985 Sep; 71(9):611–5 (Eng. Abstr.) (Ita)

DIAGNOSIS

New perspectives in acute spinal epidural abscess. Illustrated by two case reports. Schmutzhard E, et al. Acta Neurochir (Wien) 1986;80(3–4):105–8

Intraosseous and intradiscal gas in association with spinal infection: report of three cases. Bielecki DK, et al. AJR 1986 Jul;147(1):83–6

The physical examination of the back. Kenna C, et al. Aust Fam Physician 1985 Nov;14(11):1244–7, 1250–6

Disc calcification in childhood: computed tomographic and magnetic resonance imaging appearances. McGregor JC, et al. Br J Radiol 1986 Feb;59(698):180–2

The presentation and management of presacral tumours. Stewart RJ, et al. Br J Surg 1986 Feb;73(2):153–5

Comparative imaging. Disk calcification in childhood. Wells RG, et al. Clin Nucl Med 1985 Nov;10(11):821–2

Postlaminectomy disc space infection. A review of the literature and a report of three cases. Fernand R, et al. Clin Orthop 1986 Aug;(209):215–8

Recognition of lumbar disc disease with magnetic resonance imaging. Mikhael MA, et al. Comput Radiol 1985 Jul–Aug; 9(4):213–22

Pathogenesis of signs and symptoms in spinal disorders. Booth RE Jr. Instr Course Lect 1985;34:37–54

Childhood diskitis: report of 2 cases and review of the literature. Moskal MJ, et al. J Am Osteopath Assoc 1986 Mar;86(3):169–74

Magnetic resonance imaging and discography in the diagnosis of disc degeneration. A comparative study of 50 discs. Gibson MJ, et al. J Bone Joint Surg [Br] 1986 May; 68(3):369–73

The rigid spine syndrome—a myopathy of uncertain nosological position. Poewe W, et al.

J Neurol Neurosurg Psychiatry 1985 Sep;48(9):887–93

Symptomatic intraspinal synovial cyst in a 66-year-old marathon runner. Bland JH, et al. J Rheumatol 1985 Oct; 12(5):1006–10

Uncommon intraspinal space occupying lesion (foreign-body granuloma) in the lumbosacral region. Ebner F, et al. Neuroradiology 1985;27(4):354–6

Diffuse idiopathic skeletal hyperostosis (DISH). Kerr R. Orthopedics 1985 Nov;8(11):1426, 1428–34

Diagnostic imaging in children with spinal disorders. Fitz CR. Pediatr Clin North Am 1985 Dec;32(6):1537–58 (27 ref.)

Magnetic resonance imaging of the spine. Modic MT, et al. Radiol Clin North Am 1986 Jun;24(2):229–45

Magnetic resonance imaging of the spine: applications and limitations. Paushter DM, et al. Radiol Clin North Am 1985 Sep;23(3):551–62

Thermography and the sensory dermatome. Ash CJ, et al. Skeletal Radiol 1986;15(1):40–6

Streptococcus bovis endocarditis with vertebral osteomyelitis [letter] Matthai WH Jr, et al. South Med J 1986 Sep; 79(9):1192–3

Discitis due to Clostridium perfringens. Beguiristain JL, et al. Spine 1986 Mar;11(2):170–2

Absence of a pedicle in the spine metastatic disease versus aplasia. Degesys GE, et al. Spine 1986 Jan–Feb;11(1):76–7

Magnetic resonance imaging of a spinal extradural arachnoid cyst. Kim KS, et al. Surg Neurol 1986 Sep;26(3):249–52

[Acute spinal epidural infections due to common pathogens. 23 cases] Leys D, et al. Presse Med 1984 Mar 10; 13(10):597–9 (Eng. Abstr.) (Fre)

[Evaluation of occupationally-induced spinal diseases] Blankenburg H, et al. Beitr Orthop Traumatol 1986 Jan; 33(1):12–7 (Eng. Abstr.) (Ger)

[Diagnostic imaging potentialities of nuclear resonance tomography. Changes in vertebrae, ligaments and intervertebral disks in comparison with computed tomography] Wimmer B, et al. Radiologe 1986 Mar; 26(3):137–43 (Eng. Abstr.) (Ger)

[Nuclear magnetic resonance tomography of the spine and spinal cord compared with computed tomography and myelography] Fenzl G, et al. ROFO 1986 Jun; 144(6):636–43 (Eng. Abstr.) (Ger)

[Analysis of the NMR signal for biological information in spinal diagnosis] Steiner G, et al. ROFO 1986 Aug; 145(2):189–92 (Eng. Abstr.) (Ger)

[Nuclear spin tomography of the cervical canal] Terwey B, et al. Rontgenpraxis 1985 Dec;38(12):422–32 (Ger)

[Development, symptomatology and treatment of "animal" and "plant" parasites of the central nervous system] Stula D, et al. Schweiz Arch Neurol Psychiatr 1986;137(4):15–23 (Eng. Abstr.) (Ger)

[Spinal sonography] Itoh K, et al. Rinsho Hoshasen 1986 May;31(5):645–9 (Eng. Abstr.) (Jpn)

[Primary tumors and tumor-like dysplastic processes of the spine in adults] Burdygin VN. Ortop Travmatol Protez 1986 Mar;(3):65–71 (Rus)

[Pathogenesis and diagnosis of osteochondrosis of the spine and its neurologic manifestations: status of the problem and research prospects] Antonov IP. Zh Nevropatol Psikhiatr 1986;86(4):481–8 (36 ref.) (Eng. Abstr.) (Rus)

[Rigid spine syndrome in children and adolescents] Fishchenko VIa, et al. Zh Nevropatol Psikhiatr 1986; 86(3):355–7 (Eng. Abstr.) (Rus)

[Spinal endoscopy] Karakhan VB, et al. Zh Vopr Neirokhir 1986 May–Jun;(3):48–51 (16 ref.) (Rus)

DRUG THERAPY

The long-term results of chymopapain chemonucleolysis for lumbar disc disease. Ten-year follow-up results in 268 patients injected at the Mayo Clinic. Maciunas RJ, et al. J Neurosurg 1986 Jul;65(1):1–8

Colchicine and disk disease [letter] Rask MR. JAMA 1986 May 9;255(18):2447–8

A patient with psoriasis cured by 1 alpha-hydroxyvitamin D3. Morimoto S, et al. Med J Osaka Univ 1985 Mar; 35(3–4):51–4

[Spinal hydatidosis. Failure of albendazole] Dellamonica P, et al. Pathol Biol (Paris) 1986 Apr;34(4):295–6 (Eng. Abstr.) (Fre)

[Spinal hydatidosis treated by albendazole. A propos of 2 cases] Fournier JP, et al. Pathol Biol (Paris) 1985 Jun;33(5 Pt 2):611–3 (Eng. Abstr.) (Fre)

[The use of imidazole-2-hydroxybenzoate and piroxicam in the treatment of arthropathies of the spine and hip] Broggi S, et al. Boll Chim Farm 1985 Aug;124(8):865–90S (Eng. Abstr.) (Ita)

[Electromyographic evaluation of the results of treating osteochondrosis of the spine using disk papainization] Fishchenko VIa, et al. Ortop Travmatol Protez 1985 Nov; (11):37–9 (Eng. Abstr.) (Rus)

[Papain in the treatment of spinal osteochondrosis] Shukhov VS. Zh Nevropatol Psikhiatr 1986;86(3):459–63 (75 ref.) (Rus)

ETIOLOGY

Vertebral osteomyelitis caused by Streptococcus bovis. Robbins N, et al. Am J Med Sci 1986 Feb;291(2):128–9

Destructive spondylarthropathy in hemodialyzed patients: possible role of amyloidosis [letter] Sebert JL, et al. Arthritis Rheum 1986 Feb;29(2):301–3

Vertebral osteomyelitis secondary to Streptococcus pneumoniae: a pathophysiologic understanding. Schleiter G, et al. Diagn Microbiol Infect Dis 1986 May;5(1):77–80

Disk-space infection in children. Peterson HA. Instr Course Lect 1983;32:50–60

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 37–1986. A 50-year-old woman with back pain, extensive travel, and exposure to farm animals. N Engl J Med 1986 Sep 18;315(12):748–54

Intervertebral disc infection after lumbar chemonucleolysis: report of a case. Zeiger HE Jr, et al. Neurosurgery 1986 May;18(5):616–21

Delayed effects from retained foreign bodies in the spine and spinal cord. Wu WQ. Surg Neurol 1986 Mar;25(3):214–8

[Syndrome of spinal column rigidity. Apropos of a new case in a woman] Dougados M, et al. Rev Rhum Mal Osteoartic 1986 Apr;53(4):265–7 (Fre)

[Erosive disk diseases of chronic hemodialysis patients. 3 cases of cervical localization] Hardouin P, et al. Rev Rhum Mal Osteoartic 1986 May;53(5):301–5 (Eng. Abstr.) (Fre)

[Pagetic vertebral block of osteolytic form] Pansard E, et al. Rev Rhum Mal Osteoartic 1986 Apr;53(4):255–60 (Fre)

[Waldenström's disease with renal, neurologic and bone complications] Djaldane A, et al. Tunis Med 1985 Oct; 63(10):507–13 (Eng. Abstr.) (Fre)

[Spinal changes in drivers of heavy vehicles] Occhipinti E, et al. Med Lav 1986 May–Jun;77(3):280–92 (Eng. Abstr.) (Ita)

[Cases of familial vitamin D resistant rickets in mother and child —pathogenesis of ankylosing spinal hyperostosis] Kitajima I, et al. Nippon Naika Gakkai Zasshi 1985 Apr; 74(4):446–51 (Jpn)

[Degenerative and dystrophic lesions of the joints and spinal column in patients with pseudarthroses of the lower extremities] Zhuk PM. Ortop Travmatol Protez 1986 Apr; (4):44–5 (Rus)

[Vertebral granuloma caused by coccidioidomycosis with compression of the spinal cord] Ruiz-Macías CM, et al. Bol Med Hosp Infant Mex 1985 Aug;42(8):497–500 (Eng. Abstr.) (Spa)

FAMILIAL & GENETIC

The spectrum of the so-called rigid spine syndrome: nosological considerations and report of three female cases. Bertini E, et al. J Neurol 1986 Aug;233(4):248–53

IMMUNOLOGY

Seronegative spondyloarthritides. Calin A. Med Clin North Am 1986 Mar;70(2):323–36

OCCURRENCE

[Epidemiology of occupationally-induced degenerative damage of the locomotor system in East Germany] Bräunlich A, et al. Z Gesamte Hyg 1986 Jun;32(6):353–5 (Eng. Abstr.) (Ger)

[An epidemiological study on the ossification of the anterior longitudinal ligament of the spine] Yanagihara M. Nippon Seikeigeka Gakkai Zasshi 1986 Feb;60(2):187–202 (Eng. Abstr.) (Jpn)

PATHOLOGY

Atlanto-occipital fusion and spondylolisthesis in an Anasazi skeleton from Bright Angel Ruin, Grand Canyon National Park, Arizona. Merbs CF, et al. Am J Phys Anthropol 1985 Aug;67(4):381–91

Tophaceous gout of the spine in a patient with no peripheral tophi: case report and review of the literature. Varga J, et al. Arthritis Rheum 1985 Nov;28(11):1312–5 (14 ref.)

Cervical syndrome: a new sign? [letter] Simpson J. Lancet 1985 Oct 5;2(8458):788

Thoracic spine: percutaneous trephine biopsy. Laredo JD, et al. Radiology 1986 Aug;160(2):485–9

Primary amyloidoma of the spine. A case report and review of the literature. Leeson MC, et al. Spine 1985 May; 10(4):303–6

Percutaneous trephine bone biopsy of the thoracic spine. Mick CA, et al. Spine 1985 Oct;10(8):737–40

[Disco-dorsal vertebral biopsy. Apropos of 150 cases performed under televised radioscopic control] Vallée C, et al. Ann Radiol (Paris) 1986;29(2):233–6 (Eng. Abstr.) (Fre)

[The rigid spinal column syndrome. Aspects of hypotrophy and predominance of type I muscular fibers] Tardieu M, et al. Arch Fr Pediatr 1986 Feb;43(2):115–8 (Eng. Abstr.) (Fre)

[X-ray guided punch biopsy of the spinal column] Rau WS. Radiologe 1985 Jul;25(7):329–38 (Eng. Abstr.) (Ger)

[Combined early spinal osteochondrosis and osteoarthrosis deformans with osteopoikilosis] Gordon IB, et al. Klin Med (Mosk) 1986 Apr;64(4):133–4 (Rus)

[Maxillofacial actinomycosis with dissemination to the spine] Moskovskaia MA. Stomatologiia (Mosk) 1985 May–Jun; 64(3):87–8 (Rus)

PHYSIOPATHOLOGY

Aging in the musculoskeletal system of rhesus monkeys: II. Degenerative joint disease. DeRousseau CJ. Am J Phys Anthropol 1985 Jul;67(3):177–84

Electromyographic findings in different forms of infantile and juvenile proximal spinal muscular atrophy. Hausmanowa-Petrusewicz I, et al. Muscle Nerve 1986 Jan; 9(1):37–46

[Respiratory, spinal and thoracic problems in children with prolonged infantile spinal amyotrophy] Duval-Beaupère G, et al. Arch Fr Pediatr 1985 Aug–Sep;42 Suppl 1:625–34 (Eng. Abstr.) (Fre)

[Neurogenic intermittent claudication—occurrence and causes] Kiehl U, et al. Psychiatr Neurol Med Psychol (Leipz) 1986 Mar; 38(3):124–7 (Eng. Abstr.) (Ger)

PREVENTION & CONTROL

[Prevention of diseases of the vertebral column] Ibarra Ibarra LG. Salud Publica Mex 1986 Mar–Apr;28(2):147–53 (Eng. Abstr.) (Spa)

RADIOGRAPHY

Spinal canal hemorrhage and CT scanning [letter] Carol MP, et al. Ann Neurol 1986 Jan;19(1):102

The persistence of clinical and radiological features after intervertebral disc calcification of childhood. Morris IM, et al. Br J Rheumatol 1986 May;25(2):219–21

Newer radiographic modalities in diagnosis of disorders of the spine. Firooznia H. Bull NY Acad Med 1986 Mar; 62(2):149–73

Radiological changes with ageing in relation to bone disease and arthritis. Sartoris DJ, et al. Clin Rheum Dis 1986 Apr; 12(1):181–226

Artifacts and pitfalls of high-resolution CT scans. Hahn FJ, et al. CRC Crit Rev Diagn Imaging 1985;25(1):61–77

Computerized tomography of spinal trauma and degenerative disease. Yeakley J, et al. Instr Course Lect 1985;34:85–97

Retrospective comparison of computed tomography and myelography of the lumbar spine: a study of 37 patients with surgical correlation. Osborn RE, et al. J Am Osteopath Assoc 1986 Jun;86(6):350–4

The stages of disc degeneration as revealed by discograms. Adams MA, et al. J Bone Joint Surg [Br] 1986 Jan; 68(1):36–41

CT demonstration of fistula between esophageal carcinoma and spinal canal. Cornwell J, et al. J Comput Assist Tomogr 1986 Sep–Oct;10(5):871–3

CT appearance of Candida diskitis. Pennisi AK, et al. J Comput Assist Tomogr 1985 Nov–Dec;9(6):1050–4

Application of lead-acrylic compensating filters in chiropractic full spine radiography: a technical report. Buehler MT, et al. J Manipulative Physiol Ther 1985 Sep; 8(3):175–80

Simultaneous bifemoral retrograde arteriography under pressure. First stage in angiographic exploration of the spine and spinal cord. Melki JP, et al. J Neuroradiol 1986; 13(1):62–70 (Eng, Fre)

Indications for computerized axial tomography in low back pain and what to look for in the scan. deSouza LJ. Minn Med 1986 Jul;69(7):400–4

Iohexol in paediatric myelography. An open non-comparative trial. Kendall B. Neuroradiology 1986; 28(1):65–8

Spinal angiography with iohexol. Kendall B. Neuroradiology 1986;28(1):72–3

Aneurysmal bone cyst of the cervicothoracic spine: computed tomographic evaluation of the value of preoperative embolization. Case report. Disch SP, et al. Neurosurgery 1986 Aug;19(2):290–3

Advantages of ambulatory metrizamide myelography with contrast CT tomography. Lestrange NR, et al. Orthopedics 1986 Jan;9(1):61–5

Eosinophilic granuloma of the spine. Silberstein MJ, et al. Orthopedics 1985 Feb;8(2):264, 267–74

Vertebral-body collapse in focal and diffuse disease: patterns of pathologic processes. Sartoris DJ, et al. Radiology 1986 Aug;160(2):479–83

Paget disease of the spine: CT with clinical correlation. Zlatkin MB, et al. Radiology 1986 Jul;160(1):155–9

Intraspinal synovial cyst simulating spinal stenosis. A case report. Baum JA, et al. Spine 1986 Jun;11(5):487–9

[Radiography of the lumbar spine. Analysis of 1494 conventional examinations] Knudsen L, et al. Ugeskr Laeger 1985 Nov 25;147(48):3898–900 (Eng. Abstr.) (Dan)

[X-ray computed tomographic evaluation of pseudomeningoceles] Adam P, et al. Ann Radiol (Paris) 1985;28(6):457–61 (Eng. Abstr.) (Fre)

[X-ray computed tomography of the intervertebral foramen] Schubiger O, et al. Neurochirurgie 1986;32(1):58–61 (Fre)

[Bone x-ray computed tomographic densitometry by the dual energy technic in a single rotation. Initial results] Chuong YT, et al. Rev Rhum Mal Osteoartic 1985 Dec;52(12):695–9 (Eng. Abstr.) (Fre)

[Vertebral compression with intrasomatic vacuum images. Apropos of 2 cases with histological control by trocar biopsy] Laredo JD, et al. Rev Rhum Mal Osteoartic 1985 Jun;52(6):373–9 (Eng. Abstr.) (Fre)

[Radiology of spondylodiskitis] Garcia J, et al. Schweiz Med Wochenschr 1985 Nov 23;115(47):1688–98 (Eng. Abstr.) (Fre)

[Significance of spinal phlebography in neuroradiology of the spinal canal] Giercke K, et al. **Psychiatr Neurol Med Psychol Beih** 1969;10-11:40-3 (Ger)

[Neuroradiology of the spinal canal with reference to computer tomography] Lehmann R, et al. **Psychiatr Neurol Med Psychol Beih** 1985;32:1-131 (Ger)

[Symptom-poor intervertebral disk injuries in the pneumomyelographic image. Critical observations on the indications for pneumomyelographic demonstration of the spinal canal] Lehmann W. **Psychiatr Neurol Med Psychol Beih** 1969;10-11:36-40 (Ger)

[Multiple neurogenic tumors and dorsal vertebral cavities—characteristic findings in Recklinghausen's neurofibromatosis. A case contribution] Kegel W. **Roentgenblatter** 1985 Oct;38(10):317-20 (Eng. Abstr.) (Ger)

[Complications following myelography with positive contrast media (Pantopaque, Amipaque). Pathomorphologic findings in 2 fatal cases] Baesler B, et al. **Zentralbl Neurochir** 1985;46(2):141-50 (Eng. Abstr.) (Ger)

[X-ray epidemiology of ligaments ossifications and disc degeneration of the cervical spine] Albisinni U, et al. **Chir Organ Mov** 1985 Jan-Mar;70(1):15-22 (Eng. Abstr.) (Ita)

[Diagnostic update on the spine and spinal cord. Phlebography] Bernardi L. **Riv Neurobiol** 1984 Apr-Sep; 30(2-3):531-4 (Eng. Abstr.) (Ita)

[Computerized tomography and myelography. Indications and integration] Fabris G. **Riv Neurobiol** 1984 Apr-Sep; 30(2-3):539-43 (Eng. Abstr.) (Ita)

[Neuroradiology of spinal and spinal cord disease—with special reference to CT] Miyasaka K. **Nippon Seikeigeka Gakkai Zasshi** 1986 Mar;60(3):373-87 (Jpn)

[Roentgenologic appearance of vertebral osteomyelitis] Sasaki F, et al. **Rinsho Hoshasen** 1986 May;31(5):637-43 (Eng. Abstr.) (Jpn)

[Calcinosis of intervertebral disks in children] Zieleniewski J, et al. **Pol Przegl Radiol (Warszawa)** 1984 Nov-Dec; 48(6):353-6 (Eng. Abstr.) (Pol)

RADIONUCLIDE IMAGING

Diagnosis of vertebral osteomyelitis: clinical, radiological and scintigraphic features. Fernandez-Ulloa M, et al. **Orthopedics** 1985 Sep;8(9):1144-50

[Spinal biphotonic absorptiometry] Sabatier JP, et al. **Rev Rhum Mal Osteoartic** 1985 Dec;52(12):685-8 (Eng. Abstr.) (Fre)

[Single photon emission computed tomography of patients with benign and malignant spinal diseases] Bieler EU, et al. **ROFO** 1986 Aug;145(2):182-8 (Eng. Abstr.) (Ger)

[Potentialities of spinal cerebrospinal fluid scanography] Vlakhov N, et al. **Med Radiol (Mosk)** 1986 May;31(5):55-7 (Rus)

RADIOTHERAPY

[Effect of decimeter waves on the functional status of spinal alpha-motor neurons in patients with neurologic syndromes of lumbar osteochondrosis] Strelkova NI, et al. **Zh Nevropatol Psikhiatr** 1986;86(4):491-5 (Eng. Abstr.) (Rus)

REHABILITATION

The use of exercise and muscle testing in the rehabilitation of spinal disorders. Lee CK. **Clin Sports Med** 1986 Apr; 5(2):271-6

Rehabilitative neurosurgery. Herz DA, et al. **Neurosurgery** 1986 Mar;18(3):311-5

[Physiotherapy of degenerative spinal diseases: sensible and less sensible approaches] Fahrer H. **Ther Umsch** 1985 Oct; 42(10):703-6 (28 ref.) (Eng. Abstr.) (Ger)

SURGERY

Transclival transcervical approach to the upper cervical spine and clivus. Lesoin F, et al. **Acta Neurochir (Wien)** 1986; 80(3-4):100-4

New developments in spinal surgery. Nasca RJ. **Ala J Med Sci** 1986 Jan;23(1):74-9

Safety and efficacy of epidural analgesia in spine surgery. Reynolds AF, et al. **Ann Surg** 1986 Feb;203(2):225-7

Patient selection for lumbar laminectomy and discectomy with a revised objective rating system. Herron LD, et al. **Clin Orthop** 1985 Oct;(199):145-52

Techniques of internal fixation for degenerative conditions of the lumbar spine. Kostuik JP, et al. **Clin Orthop** 1986 Feb;(203):219-31

Interpeduncular segmental fixation. Luque ER. **Clin Orthop** 1986 Feb;(203):54-7

Nylon sublaminar straps in segmental instrumentation for spinal disorders. O'Brien JP, et al. **Clin Orthop** 1986 Feb; (203):168-71

Segmental spinal instrumentation with L-rods. Allen BL Jr. **Instr Course Lect** 1983;32:202-8

Zielke instrumentation. Chan DP. **Instr Course Lect** 1983; 32:208-9

Spinal instrumentation. Part I. Principles of posterior and anterior instrumentation. Dunn HK. **Instr Course Lect** 1983; 32:192-202

Spinal arthrodesis for spinal deformity using posterior instrumentation and sublaminar wiring. A preliminary report of 100 consecutive cases. Winter RB, et al. **Int Orthop** 1985;9(4):239-45

Recording of spinal somatosensory evoked potentials for intraoperative spinal cord monitoring. Whittle IR, et al. **J Neurosurg** 1986 Apr;64(4):601-12

The posterior approach to cervical rizopathy. Curri D, et al. **J Neurosurg Sci** 1985 Jul-Sep;29(3):207-9

The future role of neurosurgery in the care of spinal disorders. Verbiest H. **Neurosurg Rev** 1986;9(1-2):89-98

Correlation of the MMPI with lumbosacral spine fusion results. Prospective study. Turner RS, et al. **Spine** 1985 Dec;10(10):932-6

Anterior cervical epidural abscess: the use of intraoperative spinal sonography. Feldenzer JA, et al. **Surg Neurol** 1986 Jan;25(1):105-8

Bilateral posterolateral approach to the thoracolumbar spine through transversoarthropediculectomy with corporectomy. Lesoin F, et al. **Surg Neurol** 1986 Jul; 26(1):17-23

[Cerebellar complications following operations in the spinal region] Siedschlag WD, et al. **Zentralbl Neurochir** 1985; 46(3):251-5 (Eng. Abstr.) (Ger)

[Corundum ceramics in spinal surgery] Korzh AA, et al. **Khirurgiia (Mosk)** 1985 Nov;(11):118-23 (Rus)

THERAPY

A theoretical study of epidural electrical stimulation of the spinal cord—Part I: Finite element analysis of stimulus fields. Coburn B, et al. **IEEE Trans Biomed Eng** 1985 Nov; 32(11):971-7

Scientific basis for the chiropractic subluxation complex [letter] Keating JC Jr. **J Manipulative Physiol Ther** 1986 Mar;9(1):52-6

Charcot's spine with neurological deficit: computed tomography as an aid to treatment. Raynor RB. **Neurosurgery** 1986 Jul;19(1):108-10

Outpatient treatment of lumbar disc sciatica. Swezey RL, et al. **West J Med** 1986 Jul;145(1):43-6

[Manipulation therapy in the health service of East Germany] Nause E. **Z Arztl Fortbild (Jena)** 1986;80(4):163-5 (Ger)

[Long-term results and complications of halo fixation and extension] Polster J, et al. **Z Orthop** 1985 May-Jun; 123(3):353-6 (Eng. Abstr.) (Ger)

[Research on the psychomotor performance of patients with vertebral syndromes at spas] Günther V, et al. **Z Rheumatol** 1985 Nov-Dec;44(6):270-4 (Eng. Abstr.) (Ger)

[Use of reflexotherapy in patients with osteochondrosis of the spine associated with ischemic heart disease] Davydov OV. **Voen Med Zh** 1985 Sep;(9):58-9 (Rus)

VETERINARY

Vertebral osteomyelitis due to Nocardia in a dog. Bradney IW. **Aust Vet J** 1985 Sep;62(9):315-6

Surgical conditions of the canine spine. Wheeler SJ. **Br Vet J** 1986 Mar-Apr;142(2):95-115

Relationship between spinal biomechanics and pathological changes in the equine thoracolumbar spine. Townsend HG, et al. **Equine Vet J** 1986 Mar;18(2):107-12

Vertebral body abscesses in cattle: a review of five cases. Sherman DM, et al. **J Am Vet Med Assoc** 1986 Mar 15; 188(6):608-11

Chronic degenerative radiculomyelopathy therapy [letter] Johnston NW. **Vet Rec** 1985 Dec 21-28;117(25-26):674

SPINAL FUSION

see related

LAMINECTOMY

Posterior spinal fusion and instrumentation in the treatment of adolescent idiopathic scoliosis. Youngman PM, et al. **Ann R Coll Surg Engl** 1985 Sep;67(5):313-7

Instability of the cervical spine after anterior interbody fusion. A study on its incidence and clinical significance in 21 patients. Döhler JR, et al. **Arch Orthop Trauma Surg** 1985;104(4):247-50

Long-term follow-up of spinal fusion in spinal muscular atrophy. Piasecki JO, et al. **Clin Orthop** 1986 Jun; (207):44-54

The effect of posterior spinal fixation with acrylic cement on the vertebral growth plate and intervertebral disc in dogs. Moon MS, et al. **Int Orthop** 1986;10(1):69-73

The progression of idiopathic scoliosis after removal of Harrington instrumentation following spinal fusion. Padua S, et al. **Int Orthop** 1983;7(2):85-9

Anterior cervical decompression and fusion for cervical degenerative disc diseases. Chowdhary UM, et al. **Ir Med J** 1985 Sep;78(9):243-7

The syndrome of inappropriate antidiuretic-hormone secretion following spinal fusion. Bell GR, et al. **J Bone Joint Surg [Am]** 1986 Jun;68(5):720-4

A comparison of different methods used to diagnose pseudarthrosis following posterior spinal fusion for scoliosis. Dawson EG, et al. **J Bone Joint Surg [Am]** 1985 Oct;67(8):1153-9

Induced moderate hypotensive anesthesia for spinal fusion and Harrington-rod instrumentation. Patel NJ, et al. **J Bone Joint Surg [Am]** 1985 Dec;67(9):1384-7

Extrusion of bone graft after lumbar fusion: CT appearance. Coughlan JD. **J Comput Assist Tomogr** 1986 May-Jun; 10(3):399-400

History of the anterior cervical fusion technique [letter] Cloward RB. **J Neurosurg** 1985 Nov;63(5):817-9

Anterior cervical interbody fusion with threaded cylindrical bone. Otero Vich JM. **J Neurosurg** 1985 Nov;63(5):750-3

Segmental instrumentation without fusion in children with progressive scoliosis. Rinsky LA, et al. **J Pediatr Orthop** 1985 Nov-Dec;5(6):687-90

Operating room injuries—not always a slip of the knife. Avery JK. **J Tenn Med Assoc** 1986 Jul;79(7):437

Total stabilization of the cervical spine in patients with cervical spondylotic myelopathy. Cusick JF, et al. **Neurosurgery** 1986 Apr;18(4):491-5

External fixation as a test for instability after spinal fusion L 4-S 1. A case report. Olerud S, et al. **Orthopedics** 1986 Apr;9(4):547-9

Sequestration of tibial cortical graft 25 years after posterior spine fusion using the Albee technique. Binazzi R, et al. **Spine** 1986 Jan-Feb;11(1):61-3

Treatment of a markedly displaced hangman's fracture with a luque rectangle and a posterior fusion in a 71-year-old man. Case report. Bridwell KH. **Spine** 1986 Jan-Feb; 11(1):49-52

Evaluation of hydroxylapatite graft materials in canine cervical spine fusions. Cook SD, et al. **Spine** 1986 May; 11(4):305-9

Subtotal vertebrectomy and spinal fusion for cervical spondylotic myelopathy. Hanai K, et al. **Spine** 1986 May; 11(4):310-5

The influence of induced hypotension and spine distraction on canine spinal cord blood flow. Kling TF Jr, et al. **Spine** 1985 Dec;10(10):878-83

Late results of Harrington's operation. Long-term evolution of the lumbar spine below the fused segments. Michel CR, et al. **Spine** 1985 Jun;10(5):414-20

Stimulation of bone formation by electrical current on spinal fusion. Nerubay J, et al. **Spine** 1986 Mar;11(2):167-9

Surgical reconstruction of late post-traumatic thoracolumbar kyphosis. Roberson JR, et al. **Spine** 1985 May;10(4):307-12

The role of the plaster bed after spinal fusion. Taylor GJ, et al. **Spine** 1986 Mar;11(2):161-4

Comparisons of preoperative and postoperative MMPI data in chronic back patients. Watkins RG, et al. **Spine** 1986 May;11(4):385-90

Posterior strut fusions to enhance immediate postoperative cervical stability. Whitehill R, et al. **Spine** 1986 Jan-Feb; 11(1):6-13

[Surgical treatment of scoliosis of 100 degrees and greater in children and adolescents (neurological and myopathic scoliosis excluded). Apropos of a series of 66 cases] Dutoit M, et al. **Rev Chir Orthop** 1985;71(8):549-62 (Eng. Abstr.) (Fre)

[Surgical treatment of spinal metastases by stabilization using posterior plates screwed into the vertebral pedicles] Roy-Camille R, et al. **Rev Chir Orthop** 1985;71(7):483-92 (Eng. Abstr.) (Fre)

[Scintigraphic studies following Harrington spondylodesis] Darsow F, et al. **Beitr Orthop Traumatol** 1986 Jan; 33(1):33-7 (Eng. Abstr.) (Ger)

[Decompression-fixation via the anterior approach with intersomatic arthrodesis and A.O. plates in neck injuries] Taborelli A, et al. **Riv Neurobiol** 1984 Apr-Sep; 30(2-3):483-92 (Eng. Abstr.) (Ita)

[Multiple myeloma affecting the axis] Netto AB, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1985 Jul-Aug; 40(4):198-9 (Eng. Abstr.) (Por)

[Surgical treatment of uncomplicated compression fractures of the thoracic and lumbar vertebrae] Gol'dman BL, et al. **Sov Med** 1985;(7):112-6 (Rus)

ADVERSE EFFECTS

Esophagocutaneous fistula in spinal cord injury: a complication of anterior cervical fusion. Balmaseda MT Jr, et al. **Arch Phys Med Rehabil** 1985 Nov;66(11):783-4

Pseudarthrosis after spinal fusion for scoliosis. A comparison of autogeneic and allogeneic bone grafts. Aurori BF, et al. **Clin Orthop** 1985 Oct;(199):153-8

Delayed paraplegia complicating sublaminar segmental spinal instrumentation. Johnston CE 2d, et al. **J Bone Joint Surg [Am]** 1986 Apr;68(4):556-63

Spondylolisthesis after spinal fusion with an intact neural arch. A case report. Cashion EL, et al. **J Tenn Med Assoc** 1985 Aug;78(8):496-7

Transcutaneous electrical nerve stimulation for pain control after spinal fusion with Harrington rods. A clinical report. Issenman J, et al. **Phys Ther** 1985 Oct;65(10):1517-20

Pseudoarthrosis in lumbar spine fusion. Cameron HU, et al. **Prog Clin Biol Res** 1985;187:479-84 (28 ref.)

Aortic laceration after anterior spinal fusion. Woolsey RM. **Surg Neurol** 1986 Mar;25(3):267-8

[Traumatic suppurative intervertebral osteochondritis] Demichev NP. **Vestn Khir** 1985 Oct;135(10):75-9 (Eng. Abstr.) (Rus)

INSTRUMENTATION

Instrumentation of the lumbar spine. An overview. Bradford DS. **Clin Orthop** 1986 Feb;(203):209-18

Fusion of the lumbar and sacral spine by internal fixation with screw plates. Louis R. **Clin Orthop** 1986 Feb;

(203):18–33

Hex-nut loosening following compression instrumentation of the spine. Purnell M, et al. **Clin Orthop** 1986 Feb;(203):172–8

Bolt-plate fixation for anterior spinal fusion. Ryan MD, et al. **Clin Orthop** 1986 Feb;(203):196–202

Internal fixation with Knodt's rods. Selby D. **Clin Orthop** 1986 Feb;(203):179–84

Lumbosacral fusions with Harrington rods and intersegmental wiring. White AH, et al. **Clin Orthop** 1986 Feb;(203):185–90

Posterior lateral distraction spondylodesis using the twofold sacral bar. Zielke K, et al. **Clin Orthop** 1986 Feb;(203):151–8

Distraction rod instrumentation with posterolateral fusion in isthmic spondylolisthesis. 53 cases followed for 18–89 months. Kaneda K, et al. **Spine** 1985 May;10(4):383–9

Lumbosacral spinal fusion with Knodt distraction rods. Lee CK, et al. **Spine** 1986 May;11(4):373–5

[Cervical spondylodesis: spring braked drill-disk cutter] Stuhler T, et al. **Chirurg** 1985 Nov;56(11):756–7 (Ger)

[Radical surgical treatment of spondylitis with extrafocal fixation of the spine with the Bizov apparatus] Lavrov VN. **Ortop Travmatol Protez** 1986 Feb;(2):28–31 (Eng. Abstr.) (Rus)

METHODS

Fusion for low back pain and sciatica [editorial] Nachemson AL. **Acta Orthop Scand** 1985 Aug;56(4):285–6

Intercorporal lumbar spondylodesis. 312 patients followed for 2–20 years. Thomasen E. **Acta Orthop Scand** 1985 Aug; 56(4):287–93

Lumbar and thoracic spinal fusion with transpedicular fixation (including a novel distraction and compression device). A preliminary report. Suezawa Y, et al. **Arch Orthop Trauma Surg** 1986;105(2):126–9

Long-term follow-up evaluation of screw-and-graft fusion of the lumbar spine. Andrew TA, et al. **Clin Orthop** 1986 Feb;(203):113–9

Follow-up study of medial facetectomies and posterolateral fusion with instrumentation in unstable degenerative spondylolisthesis. Kaneda K, et al. **Clin Orthop** 1986 Feb; (203):159–67

Results with Zielke instrumentation for idiopathic thoracolumbar and lumbar scoliosis. Kaneda K, et al. **Clin Orthop** 1986 Apr;(205):195–203

Internal fixation in lumbosacral spine fusion. A biomechanical and clinical study. Kornblatt MD, et al. **Clin Orthop** 1986 Feb;(203):141–50

Techniques of internal fixation for degenerative conditions of the lumbar spine. Kostuik JP, et al. **Clin Orthop** 1986 Feb;(203):219–31

Simultaneous combined anterior and posterior fusion. A surgical solution for failed spinal surgery with a brief review of the first 150 patients. O'Brien JP, et al. **Clin Orthop** 1986 Feb;(203):191–5

Surgical management of cervical spine fractures and dislocations. Bohlman HH. **Instr Course Lect** 1985; 34:163–87

Posterior fusion for idiopathic scoliosis. Bunch WH. **Instr Course Lect** 1985;34:140–52

Spinal arthrodesis for spinal deformity using posterior instrumentation and subluminar wiring. A preliminary report of 100 consecutive cases. Winter RB, et al. **Int Orthop** 1985;9(4):239–45

A new concept in the treatment of fractures of the dens of the axis in view of the high incidence of non-union. Sotgiu F, et al. **Ital J Orthop Traumatol** 1985 Sep;11(3):323–9

Double fixation of metastatic lesions of the lumbar and cervical vertebral bodies utilizing methylmethacrylate compound: report of a case and review of a series of cases. Mavian GZ, et al. **J Am Osteopath Assoc** 1986 Mar; 86(3):153–7

Allograft bone in spinal fusion for paralytic scoliosis. McCarthy RE, et al. **J Bone Joint Surg [Am]** 1986 Mar; 68(3):370–5

Lumbar disc herniation. A comparison of the results of chemonucleolysis and open discectomy after ten years. Weinstein J, et al. **J Bone Joint Surg [Am]** 1986 Jan; 68(1):43–54

Posterolateral fusion for spondylolisthesis in adolescence. Pizzutillo PD, et al. **J Pediatr Orthop** 1986 May–Jun; 6(3):311–6

Analysis of results with Zielke instrumentation for thoracolumbar and lumbar curvature. Kaneda K, et al. **Nippon Seikeigeka Gakkai Zasshi** 1985 Aug;59(8):841–51

Posterior cervical fusion with rigid internal fixation. Murphy MJ, et al. **Orthop Clin North Am** 1986 Jan;17(1):55–65

A technique of posterior cervical fusion for instability of the cervical spine. Davey JR, et al. **Spine** 1985 Oct;10(8):722–8

Decompression and distraction-derotation arthrodesis for degenerative spondylolisthesis. Hanley EN Jr. **Spine** 1986 Apr;11(3):269–76

Lateral mass fusion. A prospective study of a consecutive series with long-term follow-up. Jackson RK, et al. **Spine** 1985 Nov;10(9):828–32

A comparative evaluation of posterior lumbar interbody fusion for disc disease. Rish BL. **Spine** 1985 Nov; 10(9):855–7

[A technic of harvesting bone grafts for the surgical treatment of deformities and injuries of the spine] Müller I, et al. **Acta Chir Orthop Traumatol Cech** 1985 Oct;52(5):423–6 (Eng. Abstr.) (Cze)

[Technic of C1–C2 fixation by posterior screwing] Signoret F, et al. **J Chir (Paris)** 1985 Dec;122(12):727–30 (Eng. Abstr.) (Fre)

[Extraperitoneal approach to the lumbar spine and lumbosacral region] Kerboul B, et al. **Neurochirurgie** 1986; 32(1):94–8 (Eng. Abstr.) (Fre)

[Review of 23 cervical spondylodeses for fractures, dislocations or post-traumatic instabilities using the Smith-Robinson method] Pache T, et al. **Rev Med Suisse Romande** 1986 Apr;106(4):343–50 (Fre)

[Harrington's operative treatment of scoliosis in combination with segmental transverse stabilization with Luque cerclage (the Harrington-Luque operation). Early results of the first 31 personal cases] Griss P, et al. **Z Orthop** 1985 Sep–Oct; 123(5):847–51 (Eng. Abstr.) (Ger)

[Ventral intercorporeal traction spondylodesis of the lumbar spine] von Salis-Soglio GF. **Z Orthop** 1985 Sep–Oct; 123(5):852–8 (Eng. Abstr.) (Ger)

[Ventral intercorporal spondylodesis of the lumbar spine in segmental instability] Mayer G, et al. **Zentralbl Chir** 1986; 111(10):609–15 (Eng. Abstr.) (Ger)

[Dwyer's procedure today] Salsano V, et al. **Arch Putti Chir Organi Mov** 1984;34:165–75 (Eng. Abstr.) (Ita)

[Radiological evaluation of the remote results of treating injuries of the cervical vertebrae by spinal fusion by anterior approach] Kiwerski J. **Chir Narzadow Ruchu Ortop Pol** 1985;50(5):414–20 (Eng. Abstr.) (Pol)

[Results of the treatment of stenosis of the spinal canal and intervertebral foramen by decompression and "disk plasty" or intervertebral fusion] Król R, et al. **Chir Narzadow Ruchu Ortop Pol** 1985;50(3):235–8 (Eng. Abstr.) (Pol)

[Surgical treatment of scoliosis in early childhood (preliminary report)] Zarzycki D. **Chir Narzadow Ruchu Ortop Pol** 1985;50(2):95–101 (Eng. Abstr.) (Pol)

[A method of surgical treatment of secondary stenosis of the spinal canal and intervertebral foramen by decompression with stabilization of the lumbar vertebrae] Zuk T. **Chir Narzadow Ruchu Ortop Pol** 1985;50(3):231–4 (Eng. Abstr.) (Pol)

[Primary stabilizing spondylodesis in the treatment of lumbar osteochondrosis. 2. Clinical application] Korzh AA, et al. **Ortop Travmatol Protez** 1985 Jul;(7):33–7 (Eng. Abstr.) (Rus)

[Anterior spondylodesis in scoliosis] Tsiv'ian IaL. **Ortop Travmatol Protez** 1985 Jul;(7):56–60 (Rus)

[Anterior metallic spondylodesis of the cervical segment of the spine] Ellamaa AN. **Zh Vopr Neirokhir** 1985 Sep–Oct; (5):46–50 (Eng. Abstr.) (Rus)

PSYCHOLOGY

Correlation of the MMPI with lumbosacral spine fusion results. Prospective study. Turner RS, et al. **Spine** 1985 Dec;10(10):932–6

REHABILITATION

[Rehabilitation of patients after thoracic spine injury treated by the spring alloplasty method] Kiwerski J. **Chir Narzadow Ruchu Ortop Pol** 1985;50(6):492–5 (Eng. Abstr.) (Pol)

VETERINARY

L7–S1 fixation–fusion for treatment of cauda equina compression in the dog. Slocum B, et al. **J Am Vet Med Assoc** 1986 Jan 1;188(1):31–5

SPINAL INJURIES

Prediction of postmenopausal fracture risk with use of bone mineral measurements. Wasnich RD, et al. **Am J Obstet Gynecol** 1985 Dec 1;153(7):745–51

Epidemiology and clinical outcomes of neurotrauma in New South Wales. Ring IT, et al. **Aust NZ J Surg** 1986 Jul; 56(7):557–66

Injuries to the spine. **Clin Sports Med** 1986 Apr;5(2):213–410

Acute spinal injury. **Orthop Clin North Am** 1986 Jan; 17(1):1–206

BLOOD

Serial concentrations of C-reactive protein as an indicator of urinary tract infection in patients with spinal injury. Galloway A, et al. **J Clin Pathol** 1986 Aug;39(8):851–5

CLASSIFICATION

[Recommendation for the classification of spinal injuries] Wolter D. **Unfallchirurg** 1985 Nov;88(11):481–4 (Eng. Abstr.) (Ger)

COMPLICATIONS

Vertebral crush fracture syndrome and reflex sympathetic dystrophy. Dequeker J, et al. **Bone** 1986;7(2):89–94

Unexplained acute backache in longstanding ankylosing spondylitis. Dunn N, et al. **Br Med J [Clin Res]** 1985 Dec 7;291(6509):1632–4

Fractures of the sternum associated with spinal injury. Gopalakrishnan KC, et al. **J Bone Joint Surg [Br]** 1986 Mar;68(2):178–81

Spontaneous migration of a bullet in the spinal subarachnoid space causing delayed radicular symptoms. Karim NO, et al. **Neurosurgery** 1986 Jan;18(1):97–100

Traumatic subarachnoid-pleural fistula. Lovaas ME, et al. **Neurosurgery** 1985 Oct;17(4):650–2

Posttraumatic progressive myelopathy. Clinical and radiologic correlation employing MR imaging, delayed CT metrizamide myelography, and intraoperative sonography. Gebarski SS, et al. **Radiology** 1985 Nov;157(2):379–85

[Complete sensorimotor paraplegia following fractures of the thoracic spine from T1 to T10. Apropos of 9 cases] Carret JP, et al. **Acta Orthop Belg** 1985;51(6):897–904 (Eng. Abstr.) (Fre)

[Aggravation after spinal injury: spinal extradural hematoma (letter)] Lesoin F, et al. **Rev Rhum Mal Osteoartic** 1985 Jun;52(6):431 (Fre)

[Considerations on some particular cases of post-traumatic thoraco-lumbar instability] Solini A, et al. **Chir Organi Mov** 1985 Jan–Mar;70(1):23–30 (Eng. Abstr.) (Ita)

[Pathology of the vertebral canal in compression fractures of the vertebrae and after reduction of dislocations evaluated on the basis of computerized tomography pictures, experimental studies and intraoperative observations] Gusta A. **Chir Narzadow Ruchu Ortop Pol** 1985;50(3):214–8 (Eng. Abstr.) (Pol)

[Post-traumatic scoliosis in adolescents] Neiman IZ, et al. **Vestn Khir** 1986 Feb;136(2):93–4 (Rus)

[Chronic traumatic spinal hematoma and teratoma of the cauda equina] Okladnikov GI, et al. **Zh Vopr Neirokhir** 1986 Mar–Apr;(2):53–4 (Rus)

DIAGNOSIS

Relapse of lupus transverse myelitis mimicked by vertebral fractures and spinal cord compression. Henry AK, et al. **Arthritis Rheum** 1985 Nov;28(11):1307–11

Thermography: the clinical use of thermography in orthopedic practice. Uricchio JV Jr. **Postgrad Med** 1986 Mar;Spec No:62–4

MR imaging of the acutely injured patient with cervical traction. McArdle CB, et al. **Radiology** 1986 Apr; 159(1):273–4

[Evaluation of occupationally-induced spinal diseases] Blankenburg H, et al. **Beitr Orthop Traumatol** 1986 Jan; 33(1):12–7 (Eng. Abstr.) (Ger)

[Diagnostic imaging potentialities of nuclear resonance tomography. Changes in vertebrae, ligaments and intervertebral disks in comparison with computed tomography] Wimmer B, et al. **Radiologe** 1986 Mar; 26(3):137–43 (Eng. Abstr.) (Ger)

ETIOLOGY

Chest compression-induced vertebral fractures. Azuma SS, et al. **Chest** 1986 Jan;89(1):154–5

Lesions of the spine in heroin addicts. Fabris D, et al. **Ital J Orthop Traumatol** 1985 Jun;11(2):241–8

Infection about the spine associated with low-velocity-missile injury to the abdomen. Romanick PC, et al. **J Bone Joint Surg [Am]** 1985 Oct;67(8):1195–201

Anterior decompression and stabilisation of metastatic spinal fractures. Fidler MW. **J Bone Joint Surg [Br]** 1986 Jan; 68(1):83–90

Spinal complications of ankylosing spondylitis [letter] Dunn NA. **J R Soc Med** 1986 Mar;79(3):184–5

Subaxial antero-posterior dislocation of the cervical spine in rheumatoid arthritis. Redlund-Johnell I, et al. **Scand J Rheumatol** 1985;14(4):355–63

[Vertebral fractures in the osteoporotic spine] Cantalamessa G, et al. **Arch Putti Chir Organi Mov** 1984;34:197–204 (Eng. Abstr.) (Ita)

[Cervical dislocations in rheumatoid arthritis] Redlund-Johnell I. **Lakartidningen** 1985 Dec 18; 82(51):4510–2 (Swe)

METABOLISM

The effects of sodium fluoride, calcium phosphate, and vitamin D2 for one to two years on calcium and phosphorus metabolism in postmenopausal women with spinal crush fracture osteoporosis. Charles P, et al. **Bone** 1985;6(4):201–6

OCCURRENCE

[Assessment of the risk of occipitocervical dislocation in inflammatory rheumatic diseases] Schleich A, et al. **Z Rheumatol** 1985 May–Jun;44(3):120–32 (Eng. Abstr.) (Ger)

[Observations on spinal injuries in farmers] Gadomski M, et al. **Pol Tyg Lek** 1985 Oct 21;40(42):1176–9 (Eng. Abstr.) (Pol)

PATHOLOGY

Pathology of spinal injuries. Kakulas BA. **Cent Nerv Syst Trauma** 1984 Winter;1(2):117–29

Multiple trauma associated with vertebral injury. Harrington T, et al. **Surg Neurol** 1986 Aug;26(2):149–54

[Forensic medical examination of patients dying in the hospital after blunt injuries of the spine] Sosedko IuI. **Sud Med Ekspert** 1985 Jul–Sep;28(3):8–10 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

A biomechanical study of thoracolumbar spine fractures with bone in the canal. Part III. Mechanical properties of the dura and its tethering ligaments. Tencer AF, et al. **Spine** 1985 Oct;10(8):741–7

RADIOGRAPHY

Bone density in women with spinal and hip fractures. Härmä M, et al. **Acta Orthop Scand** 1985 Oct;56(5):380–5

The radiographic characterization of burst fractures of the spine. Atlas SW, et al. **AJR** 1986 Sep;147(3):575–82

Hyperextension dislocation of the cervical spine. Edeiken–Monroe B, et al. **AJR** 1986 Apr;146(4):803–8

High-yield radiographic considerations for cervical spine injuries. Cadoux CG, et al. **Ann Emerg Med** 1986 Mar; 15(3):236–9 (22 ref.)

CT versus plain radiographs [letter] Miller JM, et al. **Ann Emerg Med** 1986 Jun;15(6):762–3

Computed tomography in spinal trauma. Lynch D, et al. **Clin Radiol** 1986 Jan;37(1):71–6

Computed tomography in spinal trauma [letter] Morcos SK, et al. **Clin Radiol** 1986 Jul;37(4):413

Computed tomography of the spine in older children and teenagers. Rothman SL. **Clin Sports Med** 1986 Apr; 5(2):247–70

Multiple level injuries of the cervical spine. Hadden WA, et al. **Injury** 1985 Nov;16(9):628–33

Computerized tomography of spinal trauma and degenerative disease. Yeakley J, et al. **Instr Course Lect** 1985;34:85–97

Spine problems in emergency department patients: does every patient need an x-ray? Kaplan D. **J Emerg Med** 1985; 2(4):257–63

Don't take off with your fuel tanks half full. Avery JK. **J Tenn Med Assoc** 1986 Mar;79(3):161

Another chance: a non-seatbelt related fracture of the lumbar spine. Hall HE, et al. **J Trauma** 1985 Dec;25(12):1163–6

Radiographic evaluation of spinal trauma. Harris JH Jr. **Orthop Clin North Am** 1986 Jan;17(1):75–86

Radiography for the spinally injured [letter] Ravichandran G. **Radiography** 1986 Jan–Feb;52(601):55

[Contribution of computer tomography in recent traumatology of the spine. Apropos of 31 cases] Richaud J, et al. **Neurochirurgie** 1985;31(6):499–512 (Eng. Abstr.) (Fre)

[Role of CT in spinal trauma] Köhler K, et al. **Radiol Diagn (Berl)** 1985;26(6):735–44 (Eng. Abstr.) (Ger)

[Computerized tomography in the acute diagnosis of spinal injuries] Imhof H, et al. **Radiologe** 1986 May;26(5):242–7 (Eng. Abstr.) (Ger)

RADIONUCLIDE IMAGING

Incidental vertebral lesions identified during technetium-99m sulfur colloid liver-spleen imaging. Shih WJ, et al. **Clin Nucl Med** 1986 Aug;11(8):585–9

[Single photon emission computed tomography of patients with benign and malignant spinal diseases] Bieler EU, et al. **ROFO** 1986 Aug;145(2):182–8 (Eng. Abstr.) (Ger)

REHABILITATION

Rehabilitation of work related back injury. Ganora A. **Aust Fam Physician** 1986 Apr;15(4):430, 432, 434 passim

Data on spinal injuries—Part II. Outcome of the treatment of 352 consecutive admissions. Burke DC, et al. **Aust NZ J Surg** 1985 Aug;55(4):377–82

General practitioner and long term care of patients with a spinal injury. Mulroy R. **Br Med J [Clin Res]** 1985 Aug 31;291(6495):575–7

Spinal manipulative therapy in sports medicine. Haldeman S. **Clin Sports Med** 1986 Apr;5(2):277–93 (66 ref.)

Mention the name of McKenzie [letter] Rath WW. **Phys Ther** 1986 Apr;66(4):578–9

Rehabilitation in a rural setting of a young quadriplegic accident victim. Integrative clinicopathological conference: medical, psychosocial, economic, preventive, and ethical dimensions of a case study [clinical conference] Lewis BR, et al. **Yale J Biol Med** 1985 Sep–Oct;58(5):469–80

[Points of reference for the occupational and social rehabilitation of adolescent patients with traumatic spinal injuries] Kratzsch J, et al. **Beitr Orthop Traumatol** 1986 May;33(5):236–41 (Eng. Abstr.) (Ger)

[Motor rehabilitation in post-traumatic paraplegics operated on for vertebral stabilization] Bartolozzi P, et al. **Arch Putti Chir Organi Mov** 1984;34:321–8 (Eng. Abstr.) (Ita)

[Prospects of improving the rehabilitation treatment of traumatological and orthopedic patients] Zhuravlev SM, et al. **Ortop Travmatol Protez** 1986 Jan;(1):5–9 (Rus)

SURGERY

ABC of spinal cord injury [letter] Fairclough JA, et al. **Br Med J [Clin Res]** 1986 Feb 15;292(6518):484–5

A bow for application of traction to the spine. Technical note. Wang GJ, et al. **J Bone Joint Surg [Am]** 1986 Feb; 68(2):306–7

Surgical stabilization of traumatic cervical spine dislocation using methyl methacrylate. Long-term results in 26 patients. Duff TA. **J Neurosurg** 1986 Jan;64(1):39–44

Use of Harrington rods with segmental wiring for spinal pathology. Technical note. Lesoin F, et al. **J Neurosurg Sci** 1985 Jul–Sep;29(3):229–32

The value of more aggressive management in traumatic paraplegia. Braakman R. **Neurosurg Rev** 1986;9(1–2):141–7

Posterolateral approach and anterior spinal canal recalibration in severe spinal injury affecting T-12, L-1: a study of seven cases. Richaud J, et al. **Neurosurgery** 1986 Aug;19(2):218–27

Vertebral motion measured using biplanar radiography before and after Harrington rod removal for unstable thoracolumbar fractures of the spine. Dodd CA, et al. **Spine** 1986 Jun;11(5):452–5

Delayed overdistraction of a surgically treated unstable thoracolumbar fracture. A case report. Esposito PW, et al. **Spine** 1985 May;10(4):393–6

Posterior strut fusions to enhance immediate postoperative cervical stability. Whitehill R, et al. **Spine** 1986 Jan–Feb; 11(1):6–13

Aortic laceration after anterior spinal fusion. Woolsey RM. **Surg Neurol** 1986 Mar;25(3):267–8

[A technic of harvesting bone grafts for the surgical treatment of deformities and injuries of the spine] Müller I, et al. **Acta Chir Orthop Traumatol Cech** 1985 Oct;52(5):423–6 (Eng. Abstr.) (Cze)

[Surgery of spinal injuries with spinal cord lesions] Fontaine M, et al. **Acta Orthop Belg** 1986 Mar–Apr;52(2):124–33 (Eng. Abstr.) (Fre)

[Stabilizing operations of the traumatically-damaged spine] Kinzl L, et al. **Chirurg** 1986 Jan;57(1):22–6 (Ger)

[Early surgical treatment of traumatic paraplegia with an external fixation device and diagonal vertebroplasty] Arnold W. **Unfallchirurg** 1985 Jul;88(7):293–8 (Eng. Abstr.) (Ger)

[Current surgical methods for the management of spinal injuries. Experience of the 1st International Postgraduate Course of Spinal Surgery of the Orthopedic Association (Davos, 6–11 January 1985)] Pentelényi T. **Magy Traumatol Orthop Helyreallito Sebesz** 1986; 29(3):198–214 (Hun)

[Segmental stabilization of cervical spine fractures involving the cord] Bartolozzi P, et al. **Arch Putti Chir Organi Mov** 1984;34:439–43 (Eng. Abstr.) (Ita)

[20 years' activity of the department for the treatment of spinal injuries in the acute post-traumatic period] Kiwerski J. **Chir Narzadow Ruchu Ortop Pol** 1985;50(3):258–64 (Eng. Abstr.) (Pol)

[Corundum ceramics in spinal surgery] Korzh AA, et al. **Khirurgiia (Mosk)** 1985 Nov;(11):118–23 (Rus)

[Spinal fixator] Pridatkevich AV, et al. **Ortop Travmatol Protez** 1985 Nov;(11):57–8 (Rus)

THERAPY

Logistics of early management of head and spinal injuries. Simpson DA, et al. **Aust NZ J Surg** 1986 Jul;56(7):585–90

ABC of spinal cord injury. Medical management in the spinal injuries unit. Grundy D, et al. **Br Med J [Clin Res]** 1986 Jan 18;292(6514):183–7

The treatment of soft tissue after spinal injury. Sawyer M, et al. **Clin Sports Med** 1986 Apr;5(2):387–405 (57 ref.)

Interhospital transfer of a critically ill patient [clinical conference] **J Emerg Med** 1985;3(1):53–8

Complications in the treatment of acute spinal injury. Levine AM, et al. **Orthop Clin North Am** 1986 Jan;17(1):183–203

The management of burst fractures of the thoracic and lumbar spine. Experience in 53 patients. McEvoy RD, et al. **Spine** 1985 Sep;10(7):631–7

Use of the mobilizer in the care of acute spinal injuries. Brackett TO. **Surg Neurol** 1986 Apr;25(4):373–4

[Principles of treatment of recent spinal injuries] Varmužková J, et al. **Acta Chir Orthop Traumatol Cech** 1985 Oct; 52(5):460–3 (Eng. Abstr.) (Cze)

[Experience with the treatment of compression fractures of the vertebrae in children] Alymkulov EA, et al. **Vestn Khir** 1985 Oct;135(10):92–5 (Eng. Abstr.) (Rus)

[Treatment of compression fractures of the spine] Bagaturiia GO. **Vestn Khir** 1986 Jan;136(1):97–100 (43 ref.) (Rus)

VETERINARY

[Delivery-induced fracture of the spine in a newborn calf] Held T, et al. **Tierarztl Prax** 1986;14(1):43–7 (Eng. Abstr.) (Ger)

SPINAL NEOPLASMS

Successful high-dose intravenous cytarabine treatment of parenchymal brain involvement from malignant lymphoma. Frick JC, et al. **Arch Intern Med** 1986 Apr;146(4):791–2

Sacral osteoid osteoma and osteoblastoma: a report of 13 cases. Capanna R, et al. **Arch Orthop Trauma Surg** 1986; 105(4):205–10

CT and histological findings of diffuse lipomatosis with a hemangioendothelioma: a case report. Nishimura M, et al. **Brain Dev** 1985;7(6):632–5

Spinal epidural angioblastic meningioma. Inbasekaran V, et al. **J Indian Med Assoc** 1985 Sep;83(9):314–5

ANALYSIS

Melanotic schwannoma of spinal nerve origin. Erlandson RA. **Ultrastruct Pathol** 1985;9(1–2):123–9

CLASSIFICATION

[Working classification of spinal tumors and their surgical treatment] Lantsman IuV, et al. **Vopr Onkol** 1986;32(2):20–3 (Eng. Abstr.) (Rus)

COMPLICATIONS

Congenital generalized fibromatosis causing spinal cord compression. Altemani AM, et al. **Hum Pathol** 1985 Oct; 16(10):1063–5

Epidural haemangiomas during pregnancy. Lavi E, et al. **J Neurol Neurosurg Psychiatry** 1986 Jun;49(6):709–12

Antalgic scoliosis due to nonosteogenic fibroma of the L1 neural arch: report of a case. Fabris D, et al. **J Pediatr Orthop** 1986 Jan–Feb;6(1):103–6

Selective route of doxorubicin administration improves outcome in experimental malignant epidural cord compression. Siegal T, et al. **Neurosurgery** 1986 May; 18(5):576–80

Treatment of malignant epidural cord and cauda equina compression. Siegal T, et al. **Prog Exp Tumor Res** 1985; 29:225–34

Neuroblastoma presenting as a paravertebral mass and painful scoliosis in a 21-year-old woman. Haher TR, et al. **Spine** 1986 Jun;11(5):489–92

[Cervicobrachial neuralgia and vertebral osteochondroma. Apropos of a case] Lozes G, et al. **Rev Med Interne** 1986 Mar;7(2):177–80 (Fre)

[Nerve root changes as initial manifestation of plasmacytoma] Klingler W, et al. **Nervenarzt** 1985 Oct;56(10):573–4 (Ger)

[Spinal lipoma with a dural closure defect as a cause of neurogenic bladder and chronic renal failure] Eichler I, et al. **Z Urol Nephrol** 1986 Apr;79(4):213–7 (Eng. Abstr.) (Ger)

[Association of disk hernia and vertebral neurinoma] Sanguinetti C, et al. **Chir Organi Mov** 1985 Oct–Dec; 70(4):369–74 (Eng. Abstr.) (Ita)

CONGENITAL

[Delivery planning and interdisciplinary management of large coccygeal teratomas] Roth H, et al. **Z Kinderchir** 1986 Jun; 41(3):181–4 (Eng. Abstr.) (Ger)

[Congenital extradural spinal cysts. Considerations on 2 cases] Severi P, et al. **Chir Organi Mov** 1985 Oct–Dec;70(4):375–9 (Eng. Abstr.) (Ita)

DIAGNOSIS

Vertebral hemangioma. Radionuclide, radiographic, and CT correlation. Williams AG Jr, et al. **Clin Nucl Med** 1985 Aug;10(8):598

Myeloma (plasmacytoma) involving vertebral body T8: report of a case of long-term survival. Ziegler JW, et al. **J Am Osteopath Assoc** 1986 May;86(5):311–5

Osteoid-osteoma and osteoblastoma of the spine. Pettine KA, et al. **J Bone Joint Surg [Am]** 1986 Mar;68(3):354–61

MR imaging of spinal lymphoma. Holtås SL, et al. **J Comput Assist Tomogr** 1986 Jan–Feb;10(1):111–5

MR imaging of intraspinal extension of neuroblastoma. Siegel MJ, et al. **J Comput Assist Tomogr** 1986 Jul–Aug; 10(4):593–5

Diagnosis of craniocervical dermoid by computed tomography and magnetic resonance imaging: a case report. Deeb ZL, et al. **J Comput Tomogr** 1985 Oct; 9(4):305–10

Sonographic diagnosis of intraspinal neuroblastoma. Patel RB. **JCU** 1985 Oct;13(8):565–9

Lipomyelomeningocele: prenatal diagnosis and management. Seeds JW, et al. **Obstet Gynecol** 1986 Mar;67(3 Suppl):34S–37S

Primary Ewing's sarcoma of the spine. A review and case report. Kornberg M. **Spine** 1986 Jan–Feb;11(1):54–7

Osteoid osteomas of the spine. Maiuri F, et al. **Surg Neurol** 1986 Apr;25(4):375–80

[A rare tumor: sacrococcygeal chordoma (letter)] Lesaunier F, et al. **Presse Med** 1986 Jan 18;15(2):79 (Fre)

[Prenatal sonographic diagnosis of a cystic coccygeal teratoma with retroperitoneal extension] Goldhofer W, et al. **Geburtshilfe Frauenheilkd** 1986 Feb;46(2):121–3 (Eng. Abstr.) (Ger)

[Topographic diagnosis of chordomas using magnetic resonance tomography (MRT)] Treisch J, et al. **ROFO** 1986 Feb;144(2):232–4 (Ger)

[Sagittal MR findings in a case of sacral lipomyelomeningocele] Wodarz R, et al. **ROFO** 1986 Jan; 144(1):118–20 (Ger)

[Cervical hemangioendothelioma in childhood] Neumärker KJ, et al. **Zentralbl Neurochir** 1985;46(4):290–303 (Eng. Abstr.) (Ger)

[Osteoblastoma of the spine] Szöcs G, et al. **Morphol Igazsagugyi Orv Sz** 1985 Oct;25(4):279–82 (Eng. Abstr.) (Hun)

[2 cases of chordoma of the head and neck] Kuczkowski J. **Otolaryngol Pol** 1986;40(1):51–3 (Eng. Abstr.) (Pol)

[Hemangiomas of the vertebrae (data of the Institute of Oncology in Cracow)] Kowalska T. **Przegl Lek** 1985; 42(12):816–7 (Pol)

[Giant cell tumor of the body of the L5 vertebra simulating a herniated intervertebral disk] Mazurowski W, et al. **Wiad Lek** 1985 Oct 1;38(19):1381–3 (Eng. Abstr.) (Pol)

[Vertebral osteoid osteoma: topographical localization by

bone scan and computerized axial tomography] Basile Júnior R, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1985 May-Jun;40(3):149-51 (Eng. Abstr.) (Por)
[Primary tumors and tumor-like dysplastic processes of the spine in adults] Burdygin VN. **Ortop Travmatol Protez** 1986 Mar;(3):65-71 (Rus)
[Clinical picture and treatment of lesions of the epidural space in lymphosarcoma] Setdikov RA.
Zh Nevropatol Psikhiatr 1986;86(6):896-8 (Eng. Abstr.) (Rus)

ETIOLOGY

Postradiation sarcoma involving the spine. Sundaresan N, et al. **Neurosurgery** 1986 Jun;18(6):721-4
Postradiation osteosarcoma of the spine following treatment of Hodgkin's disease. Sundaresan N, et al. **Spine** 1986 Jan-Feb;11(1):90-2
[Rare spinal lesions] Maiat VV. **Khirurgiia (Mosk)** 1985 Nov;(11):61-3 (Eng. Abstr.) (Rus)

OCCURRENCE

[Primary intraspinal tumors in children] Stensvold K, et al. **Tidsskr Nor Laegeforen** 1986 Feb 10;106(4):310-2 (Eng. Abstr.) (Nor)

PATHOLOGY

Diffuse carcinomatosis of the spine and neurocranium. Rozhold O, et al. **Acta Univ Palacki Olomuc Fac Med** 1982; 102:277-9
Chordoma and malignant fibrous histiocytoma. Evidence for transformation. Belza MG, et al. **Cancer** 1986 Sep 1; 58(5):1082-7
Giant cell tumors of synovium (Pigmented villonodular synovitis) involving the vertebral column. Weidner N, et al. **Cancer** 1986 May 15;57(10):2030-6
Chordomas. Sundaresan N. **Clin Orthop** 1986 Mar; (204):135-42
Solitary osteochondroma occurring on the transverse process of the lumbar spine. A case report. Esposito PW, et al. **Spine** 1985 May;10(4):398-400
Simultaneous occurrence in the spine of osteoblastoma and hemangioendothelioma. A case report. Lange TA, et al. **Spine** 1986 Jan-Feb;11(1):92-5
Osteochondroma of the cervical spine. Karakaş ES, et al. **Turk J Pediatr** 1986 Apr-Jun;28(2):133-5
[Solitary spinal osteochondroma. Apropos of 4 cases] Czorny A, et al. **Neurochirurgie** 1985;31(4):303-8 (Eng. Abstr.) (Fre)
[Osteoblastoma of the spine] Szöcs G, et al.
Beitr Orthop Traumatol 1986 Apr;33(4):211-4 (Eng. Abstr.) (Ger)
[Hemihyperplasia of thoracic vertebral segments and aggressive fibromatosis] Rhomberg W, et al. **ROFO** 1986 Jun;144(6):737-8 (Ger)
[Giant cell tumor of the lumbar vertebra] Grigorev BA, et al. **Arkh Patol** 1985;47(9):85-8 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Disturbance of the circulation in the spinal cord with epidural neoplasm. Kato A. **Med J Osaka Univ** 1985 Mar; 35(3-4):63-71

RADIOGRAPHY

Spinal epidural lymphomas: CT features in seven patients. Beres J, et al. **AJNR** 1986 Mar-Apr;7(2):327-8
CT myelography of calcified thoracic neurilemmoma. Dross PE, et al. **AJNR** 1985 Nov-Dec;6(6):967-8
Computed tomography diagnosis of extradural involvement of paraspinal tumors in children. Geoffray A, et al.
Ann Radiol (Paris) 1986;29(3-4):333-8 (Eng, Fre)
Sacral neurofibrosarcoma--a case report. Crosbie DC, et al. **Australas Radiol** 1986 Feb;30(1):54-6
Hemangioendothelial sarcoma of the sacrum: CT findings. Lee S. **Comput Radiol** 1986 Jan-Feb;10(1):51-3
An unusual presentation of thyroid papillary carcinoma: enlargement of a cervical intervertebral foramen. Roberts L Jr, et al. **Comput Radiol** 1986 Jan-Feb;10(1):45-9
Diagnostic evaluation of lumbo-sacral lipomas by CT and radiculosaccography. Report of 2 cases and review of the literature. Stadnik T, et al. **J Belge Radiol** 1986;69(2):87-90
Primary neoplasms of the cervical spine. Diagnosis and treatment of twenty-three patients. Bohlman HH, et al. **J Bone Joint Surg [Am]** 1986 Apr;68(4):483-94
The use of computed tomography of the spine to identify patients at high risk for epidural metastases. Weissman DE, et al. **J Clin Oncol** 1985 Nov;3(11):1541-4
Computed tomography of solitary spinal osteochondromas. Lanzieri CF, et al. **J Comput Assist Tomogr** 1985 Nov-Dec; 9(6):1042-4
Computed tomography of spinal chordomas. Firooznia H, et al. **J Comput Tomogr** 1986 Jan;10(1):45-50
Osteochondroma of the cervical spine. Nielsen OG, et al. **J Laryngol Otol** 1986 Jun;100(6):733-6
Benign osteoblastoma of the atlas: a case report. Buehler M, et al. **J Manipulative Physiol Ther** 1985 Sep;8(3):191-3
Heterotopic new bone formation in the cervical spine following head injury. Case report. Groswasser Z, et al. **J Neurosurg** 1986 Mar;64(3):513-5
Tortuous vertebral artery simulating extradural spinal tumour. Obayashi T, et al. **Neurochirurgia (Stuttg)** 1986 May;29(3):96-8
Extradural lesion. Hayes M, et al. **Orthopedics** 1985 Jul; 8(7):904-6
Osteoid osteoma of the cervical spine. Polivy KD, et al. **Orthopedics** 1986 Aug;9(8):1101-3
Intraspinal masses: efficacy of plain spine radiography. Naidich TP, et al. **Pediatr Neurosci** 1985-86;12(1):10-7
Osteoid osteoma and osteoblastoma of the spine in children. Report of 22 cases with brief literature review. Azouz EM, et al. **Pediatr Radiol** 1986;16(1):25-31
Sclerotic bone metastasis: radiologic-pathologic correlation. Aoki J, et al. **Radiology** 1986 Apr;159(1):127-32
Case report 351: Aggressive osteoblastoma of the third lumbar vertebra. Abdelwahab IF, et al. **Skeletal Radiol** 1986;15(2):164-9
Case report 357: chordoma of the fourth lumbar vertebra metastasizing to the thoracic spine and ribs. Abdelwahab IF, et al. **Skeletal Radiol** 1986;15(3):242-6
Chondrosarcoma of the spine: an unusual radiographic presentation. Hermann G, et al. **Skeletal Radiol** 1985; 14(3):178-83
Computed tomography in spinal hemangioma with cord compression. Report of two cases. Schnyder P, et al. **Skeletal Radiol** 1986;15(5):372-5
Spinal extradural angiolipoma. A case report and literature review. Griebel RW, et al. **Spine** 1986 Jan-Feb;11(1):47-8
Ganglioneuroma of the sacrum. A case report. Richardson RR, et al. **Spine** 1986 Jan-Feb;11(1):87-9
[Myelographic study of space-occupying lesions in the spinal canal] Tao K. **Chung Hua Fang She Hsueh Tsa Chih** 1985 Jun;19(3):145-8 (Eng. Abstr.) (Chi)
[Cervicobrachial paralysis and neuralgia of tumoral origin: contribution of combined myelography and x-ray computed tomography] Roger B, et al.
Ann Radiol (Paris) 1986;29(1):13-7 (Eng. Abstr.) (Fre)
[X-ray computed tomographic aspects of spinal aneurysmal cysts in children] Bernard C, et al. **J Radiol** 1985 Oct; 66(10):595-7 (Eng. Abstr.) (Fre)
[X-ray computed tomographic detection of foraminal neurinoma. Apropos of a case] Cordoliani YS, et al.
J Radiol 1985 Nov;66(11):673-7 (Eng. Abstr.) (Fre)
[Intraspinal development of a lumbar neurinoma. A case (letter)] Lesoin F, et al. **Rev Rhum Mal Osteoartic** 1985 Nov;52(11):651-2 (Fre)
[Computed tomographic diagnosis of a bone lipoma] Crone-Münzebrock W, et al. **ROFO** 1986 Mar;144(3):363-4 (Ger)
[Comparison of computer tomography and conventional roentgen diagnosis in benign and malignant bone tumors of the spine] Crone-Münzebrock W, et al.
Rontgenblatter 1986 Jul;39(7):193-202 (Eng. Abstr.) (Ger)
[Computerized tomography in spinal osteoblastoma. Observations in 10 cases] Torricelli P, et al.
Radiol Med (Torino) 1986 May;72(5):267-71 (Eng. Abstr.) (Ita)
[Case of the month. Chiari I deformity and osteochondroma of the atlas] Tada S. **Rinsho Hoshasen** 1986 Apr; 31(4):517-21 (Jpn)

RADIONUCLIDE IMAGING

Plasmacytoma of the lumbar spine by SPECT. Hartshorne MF, et al. **Clin Nucl Med** 1986 Jan;11(1):65-6
[Present-day indications for nuclear medical studies of cerebrospinal fluid spaces] Döge H, et al.
Radiol Diagn (Berl) 1986;27(2):291-4 (Eng. Abstr.) (Ger)
[Osteoblastoma of the dorsal spine (clinico-diagnostic aspects)] De Palma L, et al.
Arch Putti Chir Organi Mov 1984;34:329-34 (Eng. Abstr.) (Ita)
[Gas radionuclide myelography in assessing patency of the subarachnoid space of the spinal cord] Dzhuzha DA.
Zh Vopr Neirokhir 1985 Nov-Dec;(6):39-43 (Eng. Abstr.) (Rus)

RADIOTHERAPY

Early results of ion beam radiation therapy for sacral chordoma. A Northern California Oncology Group Study. Saunders WM, et al. **J Neurosurg** 1986 Feb;64(2):243-7
Sacrococcygeal chordoma: CT appearance after radiotherapy. Hishikawa Y, et al. **Radiat Med** 1985 Jul-Sep; 3(3):144-6
Medulloblastoma therapy using electron beams. Vijayakumar S, et al. **Radiology** 1985 Nov;157(2):541-2

SECONDARY

An intrasellar pituitary tumour producing metastases in liver, bone and lymph glands and demonstration of ACTH in the metastatic deposits. Casson IF, et al.
Acta Endocrinol (Copenh) 1986 Mar;111(3):300-4
Supraclavicular fibromatosis with intraspinal extension. Smoker WR, et al. **Ann Otol Rhinol Laryngol** 1986 May-Jun;95(3 Pt 1):319-20
Long-term survival following bony metastases from basal cell carcinoma. Report of a case. Hartman R, et al.
Arch Dermatol 1986 Aug;122(8):912-4
Osteoblastic metastases from thyroid carcinoma. Bhushan B, et al. **Br J Radiol** 1985 Jun;58(690):563-5
Cord compression and carcinoma of the prostate: is laminectomy justified? Iacovou JW, et al. **Br J Urol** 1985 Dec;57(6):733-6
Uncommon sites of recurrent seminoma and implications for therapy. Sagalowsky AI, et al. **Cancer** 1986 Mar 1; 57(5):1060-5
SPECT in gallium imaging in a patient with metastatic melanoma. Edeburn GF, et al. **Clin Nucl Med** 1986 Jul; 11(7):528-9
Incidental vertebral lesions identified during technetium-99m sulfur colloid liver-spleen imaging. Shih WJ, et al.
Clin Nucl Med 1986 Aug;11(8):585-9
CT and nuclear medicine imaging in vertebral metastases. van Zanten TE, et al. **Clin Nucl Med** 1986 May;11(5):334-6
The surgical treatment of metastatic tumours of the lumbar spine. Solini A, et al. **Ital J Orthop Traumatol** 1985 Dec; 11(4):427-42
Double fixation of metastatic lesions of the lumbar and cervical vertebral bodies utilizing methylmethacrylate compound: report of a case and review of a series of cases. Mavian GZ, et al. **J Am Osteopath Assoc** 1986 Mar; 86(3):153-7
Metastatic disease of the spine. Harrington KD.
J Bone Joint Surg [Am] 1986 Sep;68(7):1110-5
Spinal computed tomography and computed tomographic metrizamide myelography in the early diagnosis of metastatic disease. O'Rourke T, et al. **J Clin Oncol** 1986 Apr;4(4):576-83
Spinal carcinomatous metastases. Retrospective study of 67 surgically treated cases. Boccardo M, et al.
J Neurooncol 1985;3(3):251-7
Skeletal metastases of seminoma of the testicle. Hermann G, et al. **Mt Sinai J Med (NY)** 1986 Apr;53(4):294-6
Surgical decompression of anterior and posterior malignant epidural tumors compressing the spinal cord: a prospective study. Siegal T, et al. **Neurosurgery** 1985 Sep;17(3):424-32
Epidural mass associated with lack of efficacy of epidural morphine and undetectable CSF morphine concentrations. Cherry DA, et al. **Pain** 1986 Apr;25(1):69-73
Case report 331: Small cell osteosarcoma of the tibia with diffuse metastatic disease. Roessner A, et al.
Skeletal Radiol 1985;14(3):216-25
[The effect of neurosurgical treatment of spinal metastasis] Andersen F, et al. **Ugeskr Laeger** 1985 Oct 14; 147(42):3314-7 (Eng. Abstr.) (Dan)
[Treatment of secondary cancer of the spine] Onimus M, et al. **Rev Chir Orthop** 1985;71(7):473-82 (Eng. Abstr.) (Fre)
[Surgical treatment of spinal metastases by stabilization using posterior plates screwed into the vertebral pedicles] Roy-Camille R, et al. **Rev Chir Orthop** 1985;71(7):483-92 (Eng. Abstr.) (Fre)
[Disk metastasis simulating disk hernia] Eachard JP, et al. **Rev Rhum Mal Osteoartic** 1985 Jun;52(6):419-21 (Fre)
[131-iodine meta-iodobenzylguanidine scintigraphy and therapy in malignant pheochromocytoma] Kessel F, et al. **Internist (Berlin)** 1986 Jan;27(1):70-3 (Ger)
[Diagnostic imaging potentialities of nuclear resonance tomography. Changes in vertebrae, ligaments and intervertebral disks in comparison with computed tomography] Wimmer B, et al. **Radiologe** 1986 Mar; 26(3):137-43 (Eng. Abstr.) (Ger)
[Radiation therapy of cerebral and spinal Hodgkin's disease] Schertel L, et al. **Rontgenpraxis** 1985 Nov;38(11):400-7 (Ger)
[Malignant paraganglioma] Kornmann C, et al.
Zentralbl Allg Pathol 1985;130(3):205-10 (Eng. Abstr.) (Ger)
[Osteoblastic metastases of esophageal cancer] Gunsko RI, et al. **Med Radiol (Mosk)** 1986 Jan;31(1):59-60 (Rus)
[A 39-year-old male with pain in the right leg and a picture of general malaise (clinical conference)] **Rev Clin Esp** 1986 Mar;178(4):189-96 (Spa)

SECRETION

Autonomic dysreflexia in a paraplegic man with catecholamine-secreting neuroblastoma. Wright KC, et al.
Arch Phys Med Rehabil 1986 Aug;67(8):566-7

SURGERY

Posterolateral approach to tumours of the dorsolumbar spine. Lesoin F, et al. **Acta Neurochir (Wien)** 1986;81(1-2):40-4
Somatosensory cortical evoked potentials for intraoperative monitoring of spinal surgery. Meléndez EM, et al.
Bol Asoc Med PR 1986 Feb;78(2):61-3
The value of posterior decompression by laminectomy for malignant tumors of the spine. Nicholls PJ, et al.
Clin Orthop 1985 Dec;(201):210-3
Osteosarcoma of the spine. Shives TC, et al.
J Bone Joint Surg [Am] 1986 Jun;68(5):660-8
Anterior decompression and stabilisation of metastatic spinal fractures. Fidler MW. **J Bone Joint Surg [Br]** 1986 Jan; 68(1):83-90
Radical excision of an osteoblastoma of the cervical spine. A combined anterior and posterior approach. Weatherley CR, et al. **J Bone Joint Surg [Br]** 1986 Mar;68(2):325-8
The mechanism of pneumocephalus formation in patients with CSF fistulas. Walker FO, et al.
J Neurol Neurosurg Psychiatry 1986 Feb;49(2):203-5
Vertebrectomy for treatment of vertebral hemangioma without preoperative embolization. Case report. Feuerman T, et al. **J Neurosurg** 1986 Sep;65(3):404-6
Treatment of neoplastic epidural cord compression by vertebral body resection and stabilization. Sundaresan N,

et al. **J Neurosurg** 1985 Nov;63(5):676–84

One-stage decompression and stabilization in the treatment of spinal tumors. Faccioli F, et al. **J Neurosurg Sci** 1985 Jul–Sep;29(3):199–205

Use of Harrington rods with segmental wiring for spinal pathology. Technical note. Lesoin F, et al. **J Neurosurg Sci** 1985 Jul–Sep;29(3):229–32

Sacrococcigeal and vertebral chordomas. Report of three cases and review of the literature. Risio M, et al. **J Neurosurg Sci** 1985 Jul–Sep;29(3):211–27

The carbon dioxide laser in neurosurgery. Jeffreys RV. **J R Coll Surg Edinb** 1985 Jun;30(3):145–9

Spinal haemangiolipoma. Three case reports. Nishiura I, et al. **Neurochirurgia (Stuttg)** 1986 Mar;29(2):63–6

Extradural multiple spinal meningioma. Literature review a case report. Tsuji N, et al. **Neurochirurgia (Stuttg)** 1986 Jul;29(4):124–7

Spinal neurofibromas: a report of 66 cases and a comparison with meningiomas. Levy WJ, et al. **Neurosurgery** 1986 Mar; 18(3):331–4

Spongious and cortical osteoblastoma of the axial skeleton. Floman Y, et al. **Orthopedics** 1985 Dec;8(12):1478–84

Surgical treatment of tumors of the spine. Lee CK, et al. **Spine** 1986 Apr;11(3):201–8

Aneurysmal bone cyst of the spine. A case report. Schaffer L, et al. **Spine** 1985 May;10(4):390–3

Benign tumors and tumorlike conditions of the spine. Radiological features, treatment, and results. Di Lorenzo N, et al. **Surg Neurol** 1986 May;25(5):449–56

[Sacral chordoma, a rare tumor] Closset J, et al. **Acta Chir Belg** 1986 May–Jun;86(3):163–5 (Eng. Abstr.) (Fre)

[The problem of fecal and urinary incontinence after extensive resection of the sacrum and 2d metamere] Pernice LM. **Ann Gastroenterol Hepatol (Paris)** 1986 Jul–Sep; 22(4):199–201 (Eng. Abstr.) (Fre)

[Direct posterolateral approach to dorso-lumbar spinal metastases] Jomin M, et al. **J Chir (Paris)** 1985 Oct; 122(10):573–5 (Eng. Abstr.) (Fre)

[The Anterior retropharyngeal intermaxillohyoid approach and acrylic prosthesis in metastatic lesions of the upper cervical spine (C1–C2)] Lesoin F, et al. **J Chir (Paris)** 1986 May;123(5):343–6 (Eng. Abstr.) (Fre)

[Dorsal vertebral chordoma with intrathoracic invasion. Surgical treatment of a case] Bellotti C, et al. **Neurochirurgia** 1986;32(1):86–9 (Eng. Abstr.) (Fre)

[Surgery in the treatment of vertebral metastases] Goutallier D. **Presse Med** 1986 Feb 1;15(4):141–2 (Fre)

[A case of vertebral chondroblastoma] Brasse F, et al. **Rev Chir Orthop** 1985;71(6):389–92 (Eng. Abstr.) (Fre)

[Recurrent aneurysmal bone cyst of the spine] Loebe FM, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1985 Nov; 37(11):643–7 (Eng. Abstr.) (Ger)

[Rehabilitation of a 79-year-old patient with paraplegia of the legs following removal of a cavernous hemangioma at the level of the 8th thoracic vertebrae] Hörmann M. **Rehabilitation (Stuttg)** 1986 May;25(2):71–3 (Eng. Abstr.) (Ger)

[Monstrous sacral, myxopapillary ependymoma] Kairies U, et al. **Zentralbl Chir** 1986;111(5):272–5 (Ger)

[Replacement of cervical vertebrae by axial stabilizing palacos interposition] Riedel K. **Zentralbl Chir** 1985; 110(19):1196–8 (Ger)

[Non-cemented prosthesis in cervical vertebral-body surgery] Solini A. **Chir Organi Mov** 1985 Jan–Mar; 70(1):31–40 (Eng. Abstr.) (Ita)

[A case of a large thoracic epidural hourglass neurinoma, incidentally detected on routine chest roentgenogram—with respect to the surgical approach] Kinuta Y, et al. **No Shinkei Geka** 1986 Jan;14(1):83–9 (Eng. Abstr.) (Jpn)

[Anterior spondylodesis in osteoblastoclastoma of vertebra CIII with a spinal cord compression syndrome] Nikiforov BM, et al. **Zh Vopr Neirokhir** 1985 Jul–Aug;(4):50–1 (Rus)

THERAPY

Interventional neuroradiology: Henry Ford Hospital experience with transcatheter embolization of vascular lesions in the head, neck, and spine. Mehta BA, et al. **Henry Ford Hosp Med J** 1986;34(1):19–30

ULTRASTRUCTURE

Rosai–Dorfman disease presenting as spinal tumor. A case report with ultrastructural and immunohistochemical studies. Chan KW, et al. **J Bone Joint Surg [Am]** 1985 Dec; 67(9):1427–31

VETERINARY

The pathological features associated with spinal tumours in 29 dogs. Wright JA. **J Comp Pathol** 1985 Oct;95(4):549–57

SPINAL NERVE ROOTS

Comparison of somatosensory evoked responses from root and cord recorded by skin and epidural electrodes using stimulation of the median nerve in cervical radiculopathy and radiculomyelopathy. Heiskari M, et al. **Acta Neurochir (Wien)** 1986;79(2–4):114–9

Intradural rupture of a lumbar disc hernia. A case report. Reynders P, et al. **Acta Orthop Belg** 1985 Sep–Oct; 51(5):843–6

Epidural analgesic techniques in the management of cervical pain. Rowlingson JC, et al. **Anesth Analg** 1986 Sep; 65(9):938–42

Computer-assisted myelography in cervical spondylotic myelopathy and radiculopathy. Clinical correlations and pathogenetic mechanisms. Yu YL, et al. **Brain** 1986 Apr; 109 (Pt 2):259–78

Recurrent articular spondylolisthesis: common cause of vertebral instabilities, root pain, sciatica, and ultimately spinal stenosis. Early detection and blocking of specific dislocations. Milgram JE. **Bull Hosp Jt Dis Orthop Inst** 1986 Spring;46(1):47–51

Non-traumatic quadriplegia and paraplegia in Dar es Salaam, Tanzania. Leigh PN. **East Afr Med J** 1986 May; 63(5):322–33

Measurement of knee tendon reflex latencies in lumbar radicular syndromes. de Weerd AW, et al. **Eur Neurol** 1986; 25(4):304–8

Carcinoma of the gallbladder in a young male presenting with root pains. Dagli AJ, et al. **J Assoc Physicians India** 1985 Aug;33(8):546–7

Compression of a sacral nerve as a complication of screw fixation of the sacro-iliac joint. A case report. Pattee GA, et al. **J Bone Joint Surg [Am]** 1986 Jun;68(5):769–71

Astereognosis and amyotrophy of the hand with neurinoma of the second cervical nerve root. Lesoin F, et al. **J Neurol** 1986 Feb;233(1):57–8

Selective rhizotomies for spinal root pain and neuralgia of the inguinal region. Schliack H, et al. **J Neurol** 1986 Apr; 233(2):115–7

Diagnosis of brachial root and plexus lesions. Swash M. **J Neurol** 1986 Jun;233(3):131–5 (27 ref.)

C7 radiculopathy: importance of scapular winging in clinical diagnosis. Makin GJ, et al. **J Neurol Neurosurg Psychiatry** 1986 Jun;49(6):640–4

Anterior cervical discectomy—a basis for planning nursing care. Liddel DB. **J Neurosci Nurs** 1986 Feb;18(1):29–35

Third-nerve headache [editorial] **Lancet** 1986 Aug 16; 2(8503):374

Diagnosis of neurospinous claudication [letter] **Lancet** 1985 Nov 9;2(8463):1077

Electrodiagnosis of radiculopathies. Eisen A. **Neurol Clin** 1985 Aug;3(3):495–510 (65 ref.)

Short latency somatosensory evoked potentials in a patient with a cervical neurinoma—case report. Yokoyama T, et al. **Neurol Med Chir (Tokyo)** 1986 Jan;26(1):35–9

Pseudohypertrophy of the calf following S1 radiculopathy. de Visser M, et al. **Neuroradiology** 1986;28(3):279–80

Computed tomography in cervical spondylotic myelopathy and radiculopathy: visualisation of structures, myelographic comparison, cord measurements and clinical utility. Yu YL, et al. **Neuroradiology** 1986;28(3):221–36

Epidural steroid injections for low back pain and lumbosacral radiculopathy. Benzon HT. **Pain** 1986 Mar;24(3):277–95 (87 ref.)

Computed tomography in assessment of myelographic nerve root compression in the lateral recess. Johansen JG. **Spine** 1986 Jun;11(5):492–5

Lumbar nerve root compression at the site of hook insertion. Late complication of Harrington rod instrumentation for scoliosis. Kornberg M, et al. **Spine** 1985 Nov;10(9):853–5

Evaluation of cervical cord function in cervical spondylotic myelopathy and/or radiculopathy using both segmental conductive spinal-evoked potentials (SEP). Kotani H, et al. **Spine** 1986 Apr;11(3):185–90

The evaluation of liquid crystal thermography in the investigation of nerve root compression due to lumbosacral lateral spinal stenosis. Mills GH, et al. **Spine** 1986 Jun; 11(5):427–32

Diagnosis and decision making in lumbar disc prolapse and nerve entrapment. Morris EW, et al. **Spine** 1986 Jun; 11(5):436–9

Cervical spondylotic radiculomyelopathy caused by athetoid-dystonic cerebral palsy—clinical evaluation of 2 cases] Wang PY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Aug;84(8):986–94

[Results of the surgical treatment of cervical spondylotic myeloradiculopathy] Liu CJ, et al. **Chung Hua Wai Ko Tsa Chih** 1984 Dec;22(12):716–8, 780–1 (Eng. Abstr.) (Chi)

[The extra-spinal disk hernia: diagnostic pitfalls and surgical approach (letter)] Mansour H, et al. **Neurochirurgie** 1986; 32(1):99 (Fre)

[Involvement of the first 2 lumbar roots and paralysis of the abdominal-genital nerves. Clinical and electrical data] Benaim LJ, et al. **Rev Electroencephalogr Neurophysiol Clin** 1985 Dec; 15(3):251–4 (Eng. Abstr.) (Fre)

[Considerations on various spinal pains] Caserta S, et al. **Chir Ital** 1986 Feb;38(1):93–6 (Eng. Abstr.) (Ita)

[Difficulties and limitations in computed x-ray tomography of lumbar spinal root compression] Gambrioli PL, et al. **Chir Organi Mov** 1985 Oct–Dec;70(4):321–30 (Eng. Abstr.) (Ita)

[EMG pattern of radicular lesions as a result of a herniated disks. Review based on 80 cases] Lozza M, et al. **Riv Neurobiol** 1984 Apr–Sep;30(2–3):551–4 (Eng. Abstr.) (Ita)

[Rare form of meningeal cyst and compression of lumbar and sacral spinal nerve roots] Sokół A, et al. **Chir Narzadow Ruchu Ortop Pol** 1985;50(4):301–5 (Eng. Abstr.) (Pol)

[Pathological changes and their sequelae in the spinal nerve roots, spinal cord and vertebral artery in cervical spondylosis] Jarmundowicz W. **Neurol Neurochir Pol** 1986 Jan–Feb;20(1):59–63 (30 ref.) (Pol)

[Effect of decimeter waves on the functional status of spinal alpha-motor neurons in patients with neurologic syndromes of lumbar osteochondrosis] Strelkova NI, et al. **Zh Nevropatol Psikhiatr** 1986;86(4):491–5 (Eng. Abstr.) (Rus)

[Diagnostic significance of indices of somatosensory evoked potentials in painful radicular and reflex syndromes in patients with osteochondrosis of the lumbar portion of the spine] Tauluev AM, et al. **Zh Nevropatol Psikhiatr** 1986; 86(4):488–91 (Eng. Abstr.) (Rus)

ABNORMALITIES

Computed tomography of lumbosacral conjoined nerve root anomalies. Potential cause of false-positive reading for herniated nucleus pulposus. Peyster RG, et al. **Spine** 1985 May;10(4):331–7

[Radicular anomalies] Monolo L, et al. **Riv Neurobiol** 1984 Apr–Sep;30(2–3):515–22 (Eng. Abstr.) (Ita)

[Redundant nerve roots—a review of its pathogenesis, clinical diagnosis and surgical treatment] Koyama T, et al. **No Shinkei Geka** 1985 Dec;13(12):1265–70 (27 ref.) (Jpn)

[Redundant lumbar nerve root syndrome: report of a case] Lynch JC, et al. **Arq Neuropsiquiatr** 1985 Jun;43(2):206–9 (Eng. Abstr.) (Por)

ANALYSIS

Structural properties of spinal nerve roots: protein composition. Stodieck LS, et al. **Exp Neurol** 1986 Jan; 91(1):41–51

ANATOMY & HISTOLOGY

Synaptology of ventral root afferent fibers. Bortolami R, et al. **Boll Soc Ital Biol Sper** 1986 Mar 31;62(3):399–401

Synaptic organization of dorsal root projections to lumbar motoneurons in the clawed toad (Xenopus laevis). Shiriaev BI, et al. **Exp Brain Res** 1986;63(1):135–42

Structural properties of spinal nerve roots: biomechanics. Beel JA, et al. **Exp Neurol** 1986 Jan;91(1):30–40

Ventral root nonmedullated fibers: proportion, calibers, and microtubular content. Vergara I, et al. **J Comp Neurol** 1986 Jun 22;248(4):550–4

Oblique plane MR imaging of the cervical spine. Yenerich DO, et al. **J Comput Assist Tomogr** 1986 Sep–Oct; 10(5):823–6

The surgical anatomy of the fifth lumbar spinal nerve root. Louw JA. **S Afr Med J** 1986 Jun 21;69(13):817–21

The problem of cauda equina nerve root identification. Schalow G. **Zentralbl Neurochir** 1985;46(4):322–30

[Modifications in relation to age in the number and diameter of nerve fibers in dorsal spinal roots of the rat] Pignocchino P. **Arch Ital Anat Embriol** 1985 Apr–Jun;90(2):57–63 (Eng. Abstr.) (Ita)

[Dissymmetry of the origins of the roots of the spinal cord in the dog] Burdel GD. **Arkh Anat Gistol Embriol** 1985 Jun;88(6):25–8 (Eng. Abstr.) (Rus)

BLOOD SUPPLY

Mechanism of differential epidural block. Fink BR. **Anesth Analg** 1986 Apr;65(4):325–9

The intrinsic vasculature of the lumbosacral spinal nerve roots. Parke WW, et al. **Spine** 1985 Jul–Aug;10(6):508–15

[Changes in axonal transport induced by ischemia] Khavko M, et al. **Arkh Anat Gistol Embriol** 1986 Apr;90(4):5–9 (Eng. Abstr.) (Rus)

DRUG EFFECTS

Postural syncope and trigeminal neuralgia relieved by percutaneous rhizotomy with glycerol. Arias MJ. **Neurosurgery** 1985 Nov;17(5):826–8

Acrylamide neurotoxicity: altered spinal monosynaptic responses to quipazine, a serotonin agonist, in cats. Goldstein BD. **Toxicol Appl Pharmacol** 1985 May; 78(3):436–44

[Intrathecal alcohol neurolysis of the lower sacral roots in inoperable rectal cancer] Porges P, et al. **Anaesthesist** 1985 Nov;34(11):627–9 (Eng. Abstr.) (Ger)

[Morphine tolerance of the tissues after epidural administration] Semenikhin AA, et al. **Anesteziol Reanimatol** 1985 Nov–Dec;(6):52–4 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Peroxidase activity at nodes of ranvier in lumbosacral ventral spinal roots and in the PNS–CNS transitional region after intramuscular administration of horseradish peroxidase. Berthold CH, et al. **J Neurocytol** 1986 Apr;15(2):253–60

GROWTH & DEVELOPMENT

Numbers of rat dorsal root axons and ganglion cells during postnatal development. Hulsebosch CE, et al. **Brain Res** 1986 Apr;391(1):105–13

INJURIES

Neuro-neural intraplexal transfers in traumatic radicular avulsions of the brachial plexus. Report on fifteen cases. Narakas A, et al. **Ann Chir Main** 1985;4(3):211–8 (Eng, Fre)

"Bony sciatica"—the value of thermography, electromyography, and water-soluble myelography. Getty CJ. **Clin Sports Med** 1986 Apr;5(2):327–42

Phantom phenomena (phantom arm) following cervical root avulsion. Effect of dorsal root entry zone thermocoagulation. Malin JP, et al. **Eur Arch Psychiatry Neurol Sci** 1985;235(1):53–6

Postinjury changes in the biomechanics of nerves and roots in mice. Luttges MW, et al. **J Manipulative Physiol Ther** 1986 Jun;9(2):89–98

[Injury of spinal roots C4–C8 in a neonate] Beran I, et al. **Cesk Pediatr** 1986 Jul;41(7):422–3 (Cze)

METABOLISM

Regional distribution of substance P, neurokinin alpha and neurokinin beta in rat spinal cord, nerve roots and dorsal root ganglia, and the effects of dorsal root section or spinal transection. Ogawa T, et al. **Brain Res** 1985 Dec 16; 359(1–2):152–7

Age-related changes of myelin proteins in the rat peripheral nervous system. Uchida Y, et al. **J Neurochem** 1986 May; 46(5):1376–81

PATHOLOGY

Glial bundle formation in spinal roots following experimental neuronopathy. Yamamoto T, et al. **Ann Neurol** 1986 Aug; 20(2):267–71

A morphometric study of nerve fiber atrophy in rat spinal roots. Pfeiffer G, et al. **J Neuropathol Exp Neurol** 1985 Nov;44(6):546–58

Shy-Drager syndrome: neuronal loss depends on size, function, and topography in ventral spinal outflow. Sobue G, et al. **Neurology** 1986 Mar;36(3):404–7

[A comparative study of the pathology of ventral spinal outflow in Shy–Drager syndrome and amyotrophic lateral sclerosis] Sobue G, et al. **Rinsho Shinkeigaku** 1986 Mar; 26(3):241–8 (Eng. Abstr.) (Jpn)

PHYSIOLOGY

Effects of spinal cord lesions and rhizotomies on cholinergic and opiate receptor binding sites in rat spinal cord. Gillberg PG, et al. **Acta Physiol Scand** 1986 Apr;126(4):575–82

Rhythmic antidromic discharges of single primary afferents recorded in cut dorsal root filaments during locomotion in the cat. Dubuc R, et al. **Brain Res** 1985 Dec 16; 359(1–2):375–8

Ascending spinal pathway for arterial pressor response elicited by ventral root afferent inputs in the cat. Kim J, et al. **Brain Res** 1986 Jul 2;377(1):182–5

The anterior root response in the lumbar SEP of rat after stimulation of the tibial nerve. Hülser PJ, et al. **Electromyogr Clin Neurophysiol** 1986 Jan–Feb;26(1):49–55

Functional pattern of sacral root stimulation: III. Erection. Thüroff JW, et al. **Eur Urol** 1986;12(2):134–40

Differential effects of in vitro heating on rat sciatic nerve branches and spinal nerve roots. Eliasson SG, et al. **Exp Neurol** 1986 Jul;93(1):57–66

Amino acid levels in the guinea pig spinal gray matter after axotomy of primary sensory and descending tracts. Potashner SJ, et al. **J Neurochem** 1986 Aug;47(2):412–22

Morphology of HRP-injected spinocervical tract neurons: effect of dorsal rhizotomy. Sedivec MJ, et al. **J Neurosci** 1986 Mar;6(3):661–72

Blood pressure response evoked by ventral root afferent fibres in the cat. Chung JM, et al. **J Physiol (Lond)** 1986 Jan;370:255–65

Synaptic actions of the ventral root afferents on cat hindlimb motoneurons. Endo K, et al. **Neurosci Lett** 1985 Jul 31; 58(2):201–5

[Sucrose bridge method for in vivo recording of dorsal root potentials of the spinal cord of the adult cat] Sverdlov IuS, et al. **Fiziol Zh SSSR** 1986 Mar;72(3):385–7 (Rus)

[Uncoupling of modulation of the afferent flow and phasic activity of muscles during a period of unstable locomotion in the rat] Bulgakova NV, et al. **Neirofiziologiia** 1985; 17(5):710–3 (Eng. Abstr.) (Rus)

[Phase-modulated antidromic action potentials in the dorsal root of the rat during locomotion] Bulgakova NV, et al. **Neirofiziologiia** 1985;17(5):707–10 (Eng. Abstr.) (Rus)

[Phase-frequency characteristics of afferent activity and depolarization of primary afferents during passive displacement of the hindlimb of the cat] Marlinskii VV, et al. **Neirofiziologiia** 1985;17(5):701–3 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Comparison of somatosensory evoked responses from root and cord recorded by skin and epidural electrodes using stimulation of the median nerve in cervical radiculopathy and radiculomyelopathy. Heiskari M, et al. **Acta Neurochir (Wien)** 1986;79(2–4):114–9

Differential effects of sacral anterior root stimulation on anal sphincter and colorectal motility in spinally injured man. Varma JS, et al. **Br J Surg** 1986 Jun;73(6):478–82

Conduction block due to demyelination at the ventral root exit zone in experimental allergic encephalomyelitis. Pender MP. **Brain Res** 1986 Mar 5;367(1–2):398–401

Sacral root and hypogastric plexus stimulators and what these models tell us about autonomic actions on the bladder and urethra. Brindley GS. **Clin Sci** 1986;70 Suppl 14:41s–44s

Slowed motor conduction in lumbosacral nerve roots in cauda equina lesions: a new diagnostic technique. Swash M, et al. **J Neurol Neurosurg Psychiatry** 1986 Jul; 49(7):808–16

RADIOGRAPHY

Lumbosacral epidurography and computed tomography. A preliminary report. Hårdstedt C, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Mar–Apr;27(2):173–7

The correlation of myelographic root sleeve deformity, uncovertebral spondylosis and radiculopathy. Nakstad P, et al. **Neuroradiology** 1985;27(4):334–6

Specificity of CT myelographic findings in cervical nerve root symptoms. Penning L, et al. **Neurosurg Rev** 1986; 9(1–2):99–101

Nerve root cut-off on metrizamide-enhanced computerized tomography. Smith GR. **South Med J** 1986 May; 79(5):553–7

[X-ray computed tomography or radiculography for the diagnosis of lumbar disk hernia] Bard M. **Presse Med** 1986 Jun 14;15(24):1125–6 (Fre)

[Refractory sciatica—scanner and/or contrast media] Massare C. **Rev Chir Orthop** 1985;71 Suppl 2:18–21 (Fre)

[Value of cervical myelography in lateral cervical root compression] Braun W, et al. **Rontgenblatter** 1985 Dec; 38(12):383–6 (Eng. Abstr.) (Ger)

[Comparative evaluation of saccoradiculography and lumbar phlebography in the diagnosis of lumbar disk herniation] Citterio O, et al. **Radiol Med (Torino)** 1984 Nov; 70(11):862–5 (Eng. Abstr.) (Ita)

[Appearance of the radiographic image of the spinal roots depending on the size of the lumbar canal in painful spinal diseases] Rymer P, et al. **Chir Narzadow Ruchu Ortop Pol** 1985;50(5):409–13 (Eng. Abstr.) (Pol)

SURGERY

Long-term results of surgical treatment for redundant roots of the cauda equina. Pau A, et al. **Acta Neurochir (Wien)** 1985;78(3–4):105–7

Effectiveness of radiofrequency thermocoagulation in recurrent trigeminal neuralgia after previous retrogasserian rhizotomy. Kanpolat Y, et al. **Appl Neurophysiol** 1985; 48(1–6):258–61

Microsurgical selective procedures in peripheral nerves and the posterior root-spinal cord junction for spasticity. Sindou M, et al. **Appl Neurophysiol** 1985;48(1–6):97–104

Interruption of nerve pathways in the treatment of nonmalignant pain. Sluijter ME. **Appl Neurophysiol** 1984; 47(4–6):195–202

The "last joint" syndrome in ankylosing spondylitis Veerapen K, et al. **Br Med J [Clin Res]** 1986 Aug 9;293(6543):368

Choice of surgical therapeutic modalities for treatment of trigeminal neuralgia: microvascular decompression, percutaneous retrogasserian thermal, or glycerol rhizotomy. Lunsford LD, et al. **Clin Neurosurg** 1985; 32:319–33 (26 ref.)

Intraspinal rhizotomy and distal cordectomy in patients with myelomeningocele. McLaughlin TP, et al. **J Bone Joint Surg [Am]** 1986 Jan;68(1):88–94

Intercostal-lumbar-spinal nerve anastomoses for cord transection. A preliminary investigation. Dai KR, et al. **J Reconstr Microsurg** 1985 Jan;1(3):223–6

Dangerous rises in blood pressure upon heating of trigeminal rootlets; increased bleeding times in patients with trigeminal neuralgia. Sweet WH, et al. **Neurosurgery** 1985 Nov; 17(5):843–4

[Results of cervical chordotomy with and without rhizotomy in therapy-resistant pain in the shoulder and arm] Grunert P, et al. **Zentralbl Neurochir** 1985;46(3):267–71 (Eng. Abstr.) (Ger)

TRANSPLANTATION

Donor nerves in the reinnervation of brachial plexus. Samardzic M, et al. **Neurol Res** 1986 Jun;8(2):117–22

ULTRASTRUCTURE

Progressive axonopathy: an inherited neuropathy of boxer dogs. 3. The peripheral axon lesion with special reference to the nerve roots. Griffiths IR, et al. **J Neurocytol** 1986 Feb;15(1):109–20

Internodal microvillus-like Schwann cell fingers in myelinated fibres in mouse spinal roots. Ishii H, et al. **J Neurocytol** 1985 Apr;14(2):261–7

Differences in intramembranous particle distribution in the paranodal axolemma are not associated with functional differences of dorsal and ventral roots. Fields RD, et al. **Neurosci Lett** 1986 Jun 6;67(1):13–8

SPINAL NERVES

Mucinous cyst of the sural nerve. Herrin E, et al. **J Foot Surg** 1986 Jan–Feb;25(1):14–8

On the concept of third occipital headache. Bogduk N, et al. **J Neurol Neurosurg Psychiatry** 1986 Jul;49(7):775–80

[Femoral, femorocutaneous and sciatic nerve block for major surgery of the knee] Gerstel R. **Cah Anesthesiol** 1986 May; 34(3):241–2 (Fre)

ABNORMALITIES

[Peripheral nerve abnormalities of mutant (PMA) mouse—myelinated fiber counts of sciatic, peroneal, sural and tibial nerves] Ohnishi A, et al. **No To Shinkei** 1986 Mar;38(3):289–93 (Eng. Abstr.) (Jpn)

ANALYSIS

Regional distribution of substance P, neurokinin alpha and neurokinin beta in rat spinal cord, nerve roots and dorsal root ganglia, and the effects of dorsal root section or spinal transection. Ogawa T, et al. **Brain Res** 1985 Dec 16; 359(1–2):152–7

Increased endoneurial albumin in diabetic polyneuropathy. Ohi T, et al. **Neurology** 1985 Dec;35(12):1790–1

Peripheral and central origin of Phe-Met-Arg-Phe-amide immunoreactivity in rat spinal cord. Ferrarese C, et al. **Regul Pept** 1986 Feb;13(3–4):245–52

ANATOMY & HISTOLOGY

Composition and central projections of the pudendal nerve in the rat investigated by combined peptide immunocytochemistry and retrograde fluorescent labelling. Katagiri T, et al. **Brain Res** 1986 May 7;372(2):313–22

Motor, sympathetic and sensory innervation of rat skeletal muscles. Peyronnard JM, et al. **Brain Res** 1986 May 14; 373(1–2):288–302

Origin and central projections of rat dorsal penile nerve: possible direct projection to autonomic and somatic neurons by primary afferents of nonmuscle origin. Núñez R, et al. **J Comp Neurol** 1986 May 22;247(4):417–29

Surgical anatomy of the sural nerve. de Moura W, et al. **J Reconstr Microsurg** 1984 Jul;1(1):31–9

The hypogastric nerve innervates a population of penile neurons in the pelvic plexus. Dail WG, et al. **Neuroscience** 1985 Dec;16(4):1041–6

Thermography and the sensory dermatome. Ash CJ, et al. **Skeletal Radiol** 1986;15(1):40–6

[Application of silver impregnation to peripheral nerve fiber analysis in topographic anatomy—a communicating branch of the lateral sural cutaneous nerve to the sural nerve in the crab-eating monkey (Macaca fascicularis)] Kimura K, et al. **Kaibogaku Zasshi** 1985 Feb;60(1):8–10 (Eng. Abstr.) (Jpn)

[Structure and homodynamia of the intersegmental connection TI–TII] Lobko PI, et al. **Arkh Anat Gistol Embriol** 1985 Jun;88(6):17–22 (Eng. Abstr.) (Rus)

[Intrinsic nerves of the pectoralis major and minor in man] Zagrebin AM, et al. **Arkh Anat Gistol Embriol** 1985 Jun; 88(6):28–30 (Eng. Abstr.) (Rus)

[Neurometameric innervation of the human skeleton] Bersenev VA, et al. **Zh Nevropatol Psikhiatr** 1986; 86(6):905–10 (Eng. Abstr.) (Rus)

BLOOD SUPPLY

Small vessel disease in progressive diabetic neuropathy associated with good metabolic control. Timperley WR, et al. **J Clin Pathol** 1985 Sep;38(9):1030–8

CYTOLOGY

The distribution and central termination of single cutaneous and muscle unmyelinated fibres in rat spinal cord. McMahon SB, et al. **Brain Res** 1985 Dec 16;359(1–2):39–48

Separate populations of primary sensory neurons project to the splanchnic nerve and thoracic spinal nerve rami of the rat. A fluorescent double labelling study. Dalsgaard CJ, et al. **Med Biol** 1985;63(2):88–91

DRUG EFFECTS

The effects of 4-aminopyridine on the spinal cord: rhythmic discharges recorded from the peripheral nerves. Dubuc R, et al. **Brain Res** 1986 Mar 26;369(1–2):243–59

Human skeletal muscle cells synthesise a neuronotrophic factor reactive with spinal neurons. Doherty P, et al. **J Neurochem** 1986 Jan;46(1):133–9

[Noradrenaline suppression of the spinal efferent component of the pressor reflexes] Karagulova GO, et al. **Biull Eksp Biol Med** 1986 Apr;101(4):387–9 (Eng. Abstr.) (Rus)

EMBRYOLOGY

A morphometric study of human fetal sural nerve. Shield LK, et al. **Acta Neuropathol (Berl)** 1986;70(1):60–70

Topography of rami communicantes of the pelvic part of the sympathetic trunk in human fetuses. Blaszczyk B. **Folia Morphol (Warsz)** 1985;44(2):140–52

ENZYMOLOGY

Carbonic anhydrase activity in the normal and injured peripheral nervous system of the rat. Peyronnard JM, et al. **Exp Neurol** 1986 Sep;93(3):481–99

Endoneurial ATPase activity in Tangier disease and other peripheral neuropathies. Sutherland WH, et al. **Muscle Nerve** 1984 Jul–Aug;7(6):447–53

GROWTH & DEVELOPMENT

Morphometric studies of normal sural nerves in children. Ferriere G, et al. **Muscle Nerve** 1985 Oct;8(8):697–704

INJURIES

Cell loss in lumbar dorsal root ganglia and transganglionic degeneration after sciatic nerve resection in the rat. Arvidsson J, et al. **Brain Res** 1986 May 14;373(1–2):15–21

Regenerating axons form nerve terminals at astrocytes. Carlstedt T. **Brain Res** 1985 Nov 11;347(1):188–91

Post-traumatic alterations in glutamine synthetase activity in peripheral and central nerves. Politis MJ, et al. **Brain Res** 1985 Dec 16;359(1–2):183–6

The role of post-traumatic mitosis in elevation of anaerobic metabolism enzyme (lactic acid dehydrogenase) activity in degenerating central and peripheral nerve. Politis MJ, et al. **Brain Res** 1985 Dec 16;359(1–2):187–93

"Whiplash"–injury of the 2nd cervical ganglion and nerve. Keith WS. **Can J Neurol Sci** 1986 May;13(2):133–7

Target dependence of Nissl body ultrastructure in cat thoracic motoneurones. Johnson IP, et al. **Neurosci Lett** 1985 Oct 24;61(1–2):201–5

[Lactate dehydrogenase isoenzymes in the spinal ganglia of the rat after sectioning the sciatic nerve] Akoev GN, et al. **Fiziol Zh SSSR** 1985 Dec;71(12):1628–30 **(Rus)**

[Clinico–electrophysiologic features of injuries of peripheral nerve trunks of the extremities] Georgiu A. **Vrach Delo** 1986 Jul;(7):95–8 (Eng. Abstr.) **(Rus)**

METABOLISM

Accumulation of glycogen in sural nerve axons in adult–onset type III glycogenosis. Ugawa Y, et al. **Ann Neurol** 1986 Mar;19(3):294–7

Identification of neuropeptides in pelvic and pudendal nerve afferent pathways to the sacral spinal cord of the cat. Kawatani M, et al. **J Comp Neurol** 1986 Jul 1;249(1):117–32

CGRP–immunoreactive nerves in the genitalia of the female rat originate from dorsal root ganglia T11–L3 and L6–S1: a combined immunocytochemical and retrograde tracing study. Inyama CO, et al. **Neurosci Lett** 1986 Aug 15; 69(1):13–8

MICROBIOLOGY

Periodic acid–ethanol gelatin methenamine silver stain for demonstrating M. leprae and myelin in peripheral nerve fibers of leprosy patients. Harada K, et al. **Int J Lepr Other Mycobact Dis** 1986 Mar;54(1):84–7

PATHOLOGY

Clinical significance of selective nerve fascicular degeneration on sural nerve biopsy specimen. Harati Y, et al. **Arch Pathol Lab Med** 1986 Mar;110(3):195–7

Qualitative and quantitative morphology of human sural nerve at different ages. Jacobs JM, et al. **Brain** 1985 Dec; 108 (Pt 4):897–924

Morphological studies of sural nerve biopsies in the pseudopolyneuropathic form of amyotrophic lateral sclerosis. di Trapani G, et al. **Clin Neuropathol** 1986 May–Jun;5(3):134–8

Familial dysautonomia in a non–Jewish girl, with histological evidence of progression in the sural nerve. Guzzetta F, et al. **Dev Med Child Neurol** 1986 Feb;28(1):62–8

Entrapment of the sural nerve. Two case reports. Raynor KJ, et al. **J Am Podiatr Med Assoc** 1986 Jul;76(7):401–3

Neonatal adrenoleukodystrophy. Aubourg P, et al. **J Neurol Neurosurg Psychiatry** 1986 Jan;49(1):77–86

Sural nerve biopsy studies in Leigh's subacute necrotizing encephalomyelopathy. Goebel HH, et al. **Muscle Nerve** 1986 Feb;9(2):165–73

[Cockayne syndrome. Study of a peripheral nerve biopsy] Pagès M, et al. **Ann Pathol** 1986;6(2):148–51 (Eng. Abstr.) **(Fre)**

[The role of endoneural edema in the pathogenesis of diabetic neuropathy] Lehmann J. **Zentralbl Allg Pathol** 1985; 130(5):383–9 (Eng. Abstr.) **(Ger)**

[Experimental diabetic neuropathy. Morphometric studies on the rat N. suralis in short–term streptozotocin–induced diabetes] Wattig B, et al. **Zentralbl Allg Pathol** 1986; 131(5):451–8 (Eng. Abstr.) **(Ger)**

[Four cases of hereditary motor and sensory neuropathy in childhood—light and electron microscopic studies of sural nerve biopsies] Sugie Y, et al. **No To Hattatsu** 1985 Nov; 17(6):500–6 (Eng. Abstr.) **(Jpn)**

[A case of Fabry's disease without angiokeratoma: clinical, biochemical and electron microscopic study] Sumi K, et al. **No To Hattatsu** 1986 Jan;18(1):49–54 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Fixation of spinal reflex alterations in spinal rats by sensory nerve stimulation. Steinmetz JE, et al. **Behav Neurosci** 1985 Feb;99(1):97–108

Electrical stimulation reveals relatively ineffective sural nerve projections to dorsal horn neurons in the cat. Pubols LM, et al. **Brain Res** 1986 Apr 16;371(1):109–22

The latency difference of the tibial and sural nerve SEP: peripheral versus central factors. Vogel P, et al. **Electroencephalogr Clin Neurophysiol** 1986 Jul;65(4):269–75

The pudendal nerve–evoked response in axial muscle. Cohen MS, et al. **Exp Brain Res** 1985;61(1):175–85

Differential effects of in vitro heating on rat sciatic nerve branches and spinal nerve roots. Eliasson SG, et al. **Exp Neurol** 1986 Jul;93(1):57–66

Role of vagal and spinal sensory pathways on eupneic diaphragmatic activity. Jammes Y, et al. **J Appl Physiol** 1986 Feb;60(2):479–85

An electroneurographic response [letter] De Grandis D, et al. **Muscle Nerve** 1986 Feb;9(2):185–6

Synaptic actions of cutaneous A delta and C fibers on primate hindlimb alpha–motoneurons. Hori Y, et al. **Neurosci Res** 1986 Jul;3(5):411–29

[Lumbar cord potentials evoked by stimulation of the nerves of the lower limb in man] Georgesco M, et al. **Rev Electroencephalogr Neurophysiol Clin** 1985 Jul; 15(1):13–8 (Eng. Abstr.) **(Fre)**

[Electric stimulation of a sensory nerve with 70–micrometer electrodes] Zwicker E, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Mar;65(3):105–8 (Eng. Abstr.) **(Ger)**

[The effect of clioquinol on nerve fiber regeneration following nerve crush injury] Shiraishi S, et al. **Sangyo Ika Daigaku Zasshi** 1986 Jun 1;8(2):201–7 (Eng. Abstr.) **(Jpn)**

[Reactions of hypothalamic neurons to stimulation of the pelvic and sciatic nerves] Bagdasarian KG, et al. **Fiziol Zh SSSR** 1985 Sep;71(9):1049–56 (Eng. Abstr.) **(Rus)**

[Properties of individual waves of the somato–sympathetic reflex] Rozanov NN. **Fiziol Zh SSSR** 1985 Oct; 71(10):1192–9 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Diabetic neuropathy: electrophysiologic abnormalities of distal lower extremity sensory nerves. Izzo KL, et al. **Arch Phys Med Rehabil** 1986 Jan;67(1):7–11

Sensory action potentials and biopsy of the sural nerve in the neuropathy of nonmalignant IgMk plasma cell dyscrasia. Galassi G, et al. **Eur Neurol** 1986;25(1):1–9

Posterior tibial and sural nerve somatosensory evoked potentials in dystrophia myotonica. Bartel P, et al. **J Neurol Sci** 1985 Aug;70(1):55–65

Involvement of the dorsal root ganglion in acute experimental allergic encephalomyelitis in the Lewis rat. A histological and electrophysiological study. Pender MP, et al. **J Neurol Sci** 1986 Feb;72(2–3):231–42

[Sural nerve neurography using surface and needle electrodes in polyneuropathies. Comparative study] Ewert T, et al. **EEG EMG** 1985 Jun;16(2):114–9 (Eng. Abstr.) **(Ger)**

[Conduction velocity and relative refractory period of the sural nerve in patients treated with ergot alkaloids] Grotemeyer KH, et al. **EEG EMG** 1986 Mar;17(1):16–9 (Eng. Abstr.) **(Ger)**

[Changes in the peripheral nerves in chronic renal failure] Rowińska K, et al. **Pol Arch Med Wewn** 1986 Feb; 75(2):116–26 (Eng. Abstr.) **(Pol)**

[Reactions of the neurons of various hypothalamic structures to tooth pulp and sciatic nerve A beta–fiber stimulation in the cat] Baklavadzhian OG, et al. **Neirofiziologiia** 1986; 18(2):171–80 (Eng. Abstr.) **(Rus)**

SURGERY

Sequelae of sural nerve biopsies. Poburski R, et al. **Clin Neurol Neurosurg** 1985;87(3):193–8

Anorectal function after high sacrectomy with bilateral resection of S2–S5 nerves. Report of a case. Nakahara S, et al. **Dis Colon Rectum** 1986 Apr;29(4):271–4

TRANSPLANTATION

Arterialized venous free sural nerve grafting. Gu YD, et al. **Ann Plast Surg** 1985 Oct;15(4):332–9

Vascularized free sural nerve grafting. Gu YD, et al. **Chin Med J [Engl]** 1985 Dec;98(12):875–80

Free autologous nerve grafting—comparison of suture materials. Edinger D, et al. **J Maxillofac Surg** 1986 Aug; 14(4):227–30

Cross mental nerve graft for restoration of lip sensation after inferior alveolar nerve damage: report of case. Kaban LB, et al. **J Oral Maxillofac Surg** 1986 Aug;44(8):649–51

Autogenous sural nerve grafts: a harvesting technique. Hankin FM, et al. **Orthopedics** 1985 Sep;8(9):1160–1

[Free nerve grafting with simultaneous arterialized vein pedicle transplantation] Gu YD, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Jun;23(6):338–40, 381 (Eng. Abstr.) **(Chi)**

ULTRASTRUCTURE

Is the sensory neuropathy in ataxia–telangiectasia distinguishable from that in Friedreich's ataxia? Morphometric and ultrastructural study of the sural nerve in a case of Louis Bar syndrome. Barbieri F, et al. **Acta Neuropathol (Berl)** 1986;69(3–4):213–9

Peripheral nerve morphometry for daily practice. Fiola MR. **Anal Quant Cytol Histol** 1985 Dec;7(4):299–304

Microtubules and calibers in normal and regenerating axons of the sural nerve of the rat. Espejo F, et al. **J Comp Neurol** 1986 Aug 1;250(1):65–72

Microtubules and calibers in developing axons. Faundez V, et al. **J Comp Neurol** 1986 Aug 1;250(1):73–80

Natural history of acromegalic peripheral neuropathy. Dinn JJ, et al. **Q J Med** 1985 Dec;57(224):833–42

[Adrenomyeloneuropathy. Morphometric and ultrastructural study of the peripheral nerves] Pagès M, et al. **Ann Pathol** 1985;5(3):205–7 (Eng. Abstr.) **(Fre)**

SPINAL OSTEOPHYTOSIS

Osteoarthritis XI: Lumbar spondylosis. Fine IT. **Md Med J** 1985 Sep;34(9):879–81

COMPLICATIONS

Cervical spinal cord injuries in patients with cervical spondylosis. Regenbogen VS, et al. **AJR** 1986 Feb; 146(2):277–84

Computer–assisted myelography in cervical spondylotic myelopathy and radiculopathy. Clinical correlations and pathogenetic mechanisms. Yu YL, et al. **Brain** 1986 Apr; 109 (Pt 2):259–78

Dysphagia due to cervical spondylosis. Crowther JA, et al. **J Laryngol Otol** 1985 Nov;99(11):1167–9

Cervical spondylotic myelopathy: a case report. Toto BJ. **J Manipulative Physiol Ther** 1986 Mar;9(1):43–6

The surgical treatment of cervical myelopathy due to spondylosis and disc degeneration. Jeffreys RV. **J Neurol Neurosurg Psychiatry** 1986 Apr;49(4):353–61

Ossification of the plantar fascia and peroneus longus tendons in diffuse idiopathic skeletal hyperostosis (DISH). Malhotra CM, et al. **J Rheumatol** 1986 Feb;13(1):215–8

Dysphagia and dysphonia secondary to anterior cervical osteophytes. Brandenberg G, et al. **Neurosurgery** 1986 Jan; 18(1):90–3

Evaluation of cervical cord function in cervical spondylotic myelopathy and/or radiculopathy using both segmental conductive spinal–evoked potentials (SEP). Kotani H, et al. **Spine** 1986 Apr;11(3):185–90

Experimental study on postlaminectomy deterioration of cervical spondylotic myelopathy. Influences of intradural surgery and persistent spinal block. Oiwa T, et al. **Spine** 1985 Oct;10(8):717–21

Choice of surgical treatment for multisegmental cervical spondylotic myelopathy. Yonenobu K, et al. **Spine** 1985 Oct;10(8):710–6

Spondylotic high cervical spinal cord compression presenting with hand complaints. England JD, et al. **Surg Neurol** 1986 Mar;25(3):299–303

[Extended spinal decompression using an anterior approach in the treatment of myelopathies caused by cervical arthrosis] Senegas J, et al. **Rev Chir Orthop** 1985; 71(5):291–300 (Eng. Abstr.) **(Fre)**

[Ankylosing vertebral hyperostosis and dextrocardia. Apropos of a case [(letter)] Rucco V, et al. **Rev Rhum Mal Osteoartic** 1985 Nov;52(11):649 **(Fre)**

[Spinal cord sciatica] Brambilla P, et al. **Riv Neurobiol** 1984 Apr–Sep;30(2–3):523–30 (Eng. Abstr.) **(Ita)**

[Diaphragmatic myoclonus of spinal origin] Nakajima M, et al. **Rinsho Shinkeigaku** 1986 Jan;26(1):13–9 (Eng. Abstr.) **(Jpn)**

[Pathological changes and their sequelae in the spinal nerve roots, spinal cord and vertebral artery in cervical spondylosis] Jarmundowicz W. **Neurol Neurochir Pol** 1986 Jan–Feb;20(1):59–63 (30 ref.) **(Pol)**

[A case of an unusual form of dysphagia] Dunalvitser BI, et al. **Vestn Otorinolaringol** 1985 Jul–Aug;(4):75 **(Rus)**

[Intermittent claudication of neurologic origin] Porras A, et al. **Gac Med Mex** 1985 May–Jun;121(5–6):207–11 **(Spa)**

DIAGNOSIS

Cervical spondylosis. Schmidek HH. **Am Fam Physician** 1986 May;33(5):89–99

Diffuse idiopathic skeletal hyperostosis. Utsinger PD. **Clin Rheum Dis** 1985 Aug;11(2):325–51 (125 ref.)

[Hyperostotic disease] Arlet J, et al. **Rev Med Interne** 1985 Dec;6(5):553–64 (48 ref.) **(Fre)**

ETIOLOGY

Quadriplegia in diffuse–idiopathic skeletal hyperostosis after minor trauma [letter] Yagan R, et al. **AJR** 1986 Oct; 147(4):858–9

Hypertrophy of the ligamenta flava of the cervical spine. Clinico–radiological correlations. Maiuri F, et al. **J Neurosurg Sci** 1985 Apr–Jun;29(2):89–92

Cervical spondylotic radiculomyelopathy caused by athetoid–dystonic cerebral palsy—clinical evaluation of 2 cases] Wang PY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Aug;84(8):986–94

[Anatomic characteristic of the cervical vertebrae and cervical spondylosis] Peng YW. **Chung Hua Wai Ko Tsa Chih** 1984 Dec;22(12):767–71 **(Chi)**

[Role of vitamin A in vertebral ankylosing hyperostosis] Abiteboul M. **Presse Med** 1986 Feb 22;15(8):373–4 **(Fre)**

[A 49–year–old male with lumbago, right knee arthritis and calcification of the intervertebral disks (clinical conference)] Pascual E, et al. **Med Clin (Barc)** 1986 Jun 28;87(5):204–13 **(Spa)**

FAMILIAL & GENETIC

[2 new familial cases of ankylosing vertebral hyperostosis] Abiteboul M, et al. **Rev Rhum Mal Osteoartic** 1985 Nov; 52(11):645–7 **(Fre)**

HISTORY

DISH at Merton Priory: evidence for a "new" occupational disease? Waldron T. **Br Med J [Clin Res]** 1985 Dec 21-28; 291(6511):1762-3

METABOLISM

[Metabolism of vitamin A in Forestier-Rotès-Quérol hyperostosis] Abiteboul M, et al. **Rev Rhum Mal Osteoartic** 1986 Mar;53(3):143-5 (Eng. Abstr.) (Fre)

PATHOLOGY

The anatomy of lumbar spondylosis [letter] Oyesiku NM. **Clin Orthop** 1986 Jun;(207):309-12

Progressive sacro-iliac obliteration in Forestier disease. Weisz GM, et al. **Int Orthop** 1986;10(1):47-51

Ossifying surgical scar in Forestier's disease. Weisz GM. **Int Surg** 1985 Jul-Sep;70(3):273

[Pathomorphologic studies on the effect of degenerative changes in the area of the lateral cervical spine and the course of the vertebral artery] Barth H. **Zentralbl Neurochir** 1985;46(2):119-25 (Eng. Abstr.) (Ger)

[Histopathological studies of the osteophytes and ossification of the posterior longitudinal ligament (OPLL) in the cervical spine] Tanaka N, et al. **Nippon Seikeigeka Gakkai Zasshi** 1986 Mar;60(3):323-36 (Eng. Abstr.) (Jpn)

PHYSIOPATHOLOGY

Insulin and new bone formation in diffuse idiopathic skeletal hyperostosis. Littlejohn GO. **Clin Rheumatol** 1985 Sep; 4(3):294-300

RADIOGRAPHY

Cystic necrosis of the spinal cord in compressive cervical myelopathy: demonstration by iopamidol CT-myelography. Jinkins JR, et al. **AJR** 1986 Oct; 147(4):767-75

The radiological features of diffuse idiopathic skeletal hyperostosis (D.I.S.H.). Doyle TC, et al. **Australas Radiol** 1986 Feb;30(1):76-80

Diffuse idiopathic skeletal hyperostosis of the foot. Anania WC, et al. **J Am Podiatr Med Assoc** 1986 Apr;76(4):221-3

Cervical spondylotic myelopathy (CSM). A clinicoradiological study of 33 cases. Desai MT, et al. **J Assoc Physicians India** 1985 Sep;33(9):569-72

The correlation of myelographic root sleeve deformity, uncovertebral spondylosis and radiculopathy. Nakstad P, et al. **Neuroradiology** 1985;27(4):334-6

Computed tomography in cervical spondylotic myelopathy and radiculopathy: visualisation of structures, myelographic comparison, cord measurements and clinical utility. Yu YL, et al. **Neuroradiology** 1986;28(3):221-36

Cervical spine involvement in sternocostoclavicular hyperostosis. Resnik CS, et al. **Spine** 1985 Nov;10(9):846-8

[Diffuse idiopathic skeletal hyperostosis (DISH) with X-ray analysis of 30 cases] Yue HN. **Chung Hua Fang She Hsueh Tsa Chih** 1984 Nov;18(4):271-3 (Eng. Abstr.) (Chi)

[Computerized tomography in the study of myelopathy in cervical spondylosis] Crisi G, et al. **Radiol Med (Torino)** 1985 Jul-Aug;71(7-8):471-8 (Eng. Abstr.) (Ita)

[Radiographic aspects of the hand in diffuse idiopathic skeletal hyperostosis] Scutellari PN, et al. **Radiol Med (Torino)** 1984 Nov;70(11):837-44 (Eng. Abstr.) (Ita)

[Peripheral localizations in diffuse idiopathic skeletal hyperostosis] Scutellari PN, et al. **Radiol Med (Torino)** 1984 Dec;70(12):943-8 (Eng. Abstr.) (Ita)

[Usefulness of computer-tomographic myelography in cervical spondylosis] Elefante R, et al. **Riv Neurobiol** 1984 Jan-Mar;30(1):57-63 (Eng. Abstr.) (Ita)

[Roentgenological examination of the bones and joints of workers exposed to intermittent vibrations transmitted through the hands] Grigorian EA, et al. **Gig Tr Prof Zabol** 1986 Feb;(2):49-51 (Rus)

SURGERY

Effects of surgery on cervical spondylotic myelopathy. Wiberg J. **Acta Neurochir (Wien)** 1986;81(3-4):113-7

Instability of the cervical spine after anterior interbody fusion. A study on its incidence and clinical significance in 21 patients. Döhler JR, et al. **Arch Orthop Trauma Surg** 1985;104(4):247-50

Anterior extensive decompression for cervical spondylosis. Tu KY, et al. **Chin Med J [Engl]** 1984 Oct;97(10):781-5

Anterior osteophytectomy for cervical spondylotic myelopathy in developmentally narrow canal. Kadoya S, et al. **J Neurosurg** 1985 Dec;63(6):845-50

Total stabilization of the cervical spine in patients with cervical spondylotic myelopathy. Cusick JF, et al. **Neurosurgery** 1986 Apr;18(4):491-5

Subtotal vertebrectomy and spinal fusion for cervical spondylotic myelopathy. Hanai K, et al. **Spine** 1986 May; 11(4):310-5

Bilateral brachial paresis following anterior decompression for cervical spondylosis. West CG. **Spine** 1986 Mar; 11(2):176-8

Compressive cervical myelopathy treated by canal expansive laminoplasty. Lin SM, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Feb;85(2):161-8

[Complications of the anterior route operation in cervical spondylosis] Dong FC, et al. **Chung Hua Wai Ko Tsa Chih** 1984 Dec;22(12):708-10, 780 (Eng. Abstr.) (Chi)

[Results of the surgical treatment of cervical spondylotic myeloradiculopathy] Liu CJ, et al. **Chung Hua Wai Ko Tsa Chih** 1984 Dec;22(12):716-8, 780-1 (Eng. Abstr.) (Chi)

[A decompression procedure for vertebral artery insufficiency in cervical spondylosis] Liu ZS, et al. **Chung Hua Wai Ko Tsa Chih** 1984 Dec;22(12):711-3, 780 (Eng. Abstr.) (Chi)

[Long-term follow-up results of anterior surgery of myelopathy due to cervical spondylosis] Zhang ZH, et al. **Chung Hua Wai Ko Tsa Chih** 1984 Dec;22(12):714-5, 780 (Eng. Abstr.) (Chi)

[Recognition of problems in the diagnosis and treatment of cervical spondylosis] Zhao DL, et al. **Chung Hua Wai Ko Tsa Chih** 1984 Dec;22(12):705-7, 780 (Eng. Abstr.) (Chi)

[Decompression of cervical spine using undermining resection through anterior approach] Zhao DL, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Sep;23(9):545-8, 573 (Eng. Abstr.) (Chi)

[Long-term results of the surgical treatment of myelopathy in cervical arthrosis] Delreux V, et al. **Acta Neurol Belg** 1986 Mar-Apr;86(2):130-9 (Eng. Abstr.) (Fre)

[Cervical spondylodesis: spring braked drill-disk cutter] Stuhler T, et al. **Chirurg** 1985 Nov;56(11):756-7 (Ger)

[Decompression of the vertebral arteries in patients with arterial insufficiency syndrome in degenerative changes in the cervical spine] Kiwerski J. **Neurol Neurochir Pol** 1985 Sep-Oct;19(5):452-5 (Eng. Abstr.) (Pol)

THERAPY

Cervical spine disorders. A comparison of three types of traction. Zylbergold RS, et al. **Spine** 1985 Dec; 10(10):867-71

SPINAL PUNCTURE

Normal pressure hydrocephalus. Predictive value of the cerebrospinal fluid tap-test. Wikkelsö C, et al. **Acta Neurol Scand** 1986 Jun;73(6):566-73

Pitfalls in interpretation of traumatic lumbar puncture formula [letter] Anbar RD. **Am J Dis Child** 1986 Aug; 140(8):737-8

The diagnostic spinal tap. Health and Public Policy Committee, American College of Physicians. **Ann Intern Med** 1986 Jun;104(6):880-6

The spinal tap: a new look at an old test. Marton KI, et al. **Ann Intern Med** 1986 Jun;104(6):840-8 (97 ref.)

Lumbar puncture in the treatment of neurosyphilis [letter] Simon RP, et al. **Arch Intern Med** 1986 Feb;146(2):409, 412

Lumbar puncture in late syphilis [letter] Wolters EC. **Arch Intern Med** 1986 Feb;146(2):408-9

Bone marrow in cerebrospinal fluid and possible confusion with malignancy [letter] Abrams J, et al. **Arch Pathol Lab Med** 1986 May;110(5):366

Timing of lumbar puncture in severe childhood meningitis [letter] **Br Med J [Clin Res]** 1985 Sep 28;291(6499):898-9

Is obligatory bed rest after lumbar puncture obsolete? Dieterich M, et al. **Eur Arch Psychiatry Neurol Sci** 1985; 235(2):71-5

Criteria for undertaking lumbar puncture in the assessment of syphilis [letter] Harper P. **Genitourin Med** 1985 Feb; 61(1):66-7

Lumbar puncture and febrile convulsions. Rossi LN, et al. **Helv Paediatr Acta** 1986 May;41(1-2):19-24

Lumbar puncture. Sternbach G. **J Emerg Med** 1985; 2(3):199-203

Error in calculation of statistical power [letter] Marrin ML. **J Pediatr** 1986 Mar;108(3):486-7

The use of lumbar puncture in a district general hospital. Oliveira DB. **Postgrad Med J** 1986 Apr;62(726):277-9

[Paramedian lumbar puncture for spinal anesthesia in the elderly] Mericq O, et al. **Cah Anesthesiol** 1985 Dec; 33(8):685-7 (Fre)

[Postpuncture headache] Diener HC, et al. **Fortschr Neurol Psychiatr** 1985 Sep;53(9):344-9 (Eng. Abstr.) (Ger)

[Diagnostic value of spinal puncture in severe infections in infants] Brumaru O, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1986 Apr-Jun; 35(2):145-9 (Eng. Abstr.) (Rum)

[Febrile convulsions and meningitis] Echevarría Zudaire L, et al. **An Esp Pediatr** 1986 Aug;25(2):91-5 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

Epidural blood patch for postdural puncture headache: it's never too late. Wilton NC, et al. **Anesth Analg** 1986 Aug; 65(8):895-6

Unusual neurologic complications of treated lymphomas and leukemias in children. Sellier N, et al. **Ann Radiol (Paris)** 1986;29(3-4):339-44 (Eng, Fre)

Epidermoid spinal cord tumour after lumbar puncture. Halcrow SJ, et al. **Arch Dis Child** 1985 Oct;60(10):978-9

Intraspinal epidermoid tumors caused by lumbar puncture. McDonald JV, et al. **Arch Neurol** 1986 Sep;43(9):936-9

Dangers of lumbar puncture [letter] **Br Med J [Clin Res]** 1986 Mar 22;292(6523):827-8

Dangers of lumbar puncture [letter] **Br Med J [Clin Res]** 1986 Apr 26;292(6528):1134

Timing of lumbar puncture in severe childhood meningitis [letter] **Br Med J [Clin Res]** 1985 Oct 19;291(6502):1123-4

Dangers of lumbar puncture. Richards PG, et al. **Br Med J [Clin Res]** 1986 Mar 1;292(6520):605-6

Dangers of lumbar puncture [letter] Saeed M, et al. **Br Med J [Clin Res]** 1986 Jun 28;292(6537):1740

Neurological deterioration after lumbar puncture below complete spinal subarachnoid block. Hollis PH, et al. **J Neurosurg** 1986 Feb;64(2):253-6

Theophylline relieves headache following lumbar puncture. Placebo-controlled, double-blind pilot study. Feuerstein TJ, et al. **Klin Wochenschr** 1986 Mar 3;64(5):216-8

Lumbar puncture in meningitis [letter] Silberstein P. **Med J Aust** 1986 Jan 20;144(2):110-1

Lumbar puncture and subarachnoid haemorrhage [letter] Duffy GP. **NZ Med J** 1985 Sep 25;98(787):819

Bacterial meningitis following Pantopaque myelography. A case report and literature review. Schelkun SR, et al. **Orthopedics** 1985 Jan;8(1):73-6

[Paraplegia following spinal puncture and injection] Liu QK. **Chung Hua Wai Ko Tsa Chih** 1985 Oct;23(10):621-2, 639 (Eng. Abstr.) (Chi)

[Headache after lumbar puncture in spinal anesthesia. Analysis of risk factors] Cocaud J, et al. **Cah Anesthesiol** 1985 Aug-Sep;33(5):397-401 (37 ref.) (Fre)

[Meningitis following lumbar puncture] von Mühlendahl KE. **Dtsch Med Wochenschr** 1986 Jul 11;111(28-29):1113-4 (Eng. Abstr.) (Ger)

[Spinal subdural hematoma following lumbar puncture. Case report] Hasegawa H, et al. **Neurol Med Chir (Tokyo)** 1985 Aug;25(8):687-90 (Eng. Abstr.) (Jpn)

INSTRUMENTATION

Duration of postural headache after lumbar puncture: effect of needle size. Kovanen J, et al. **Headache** 1986 May; 26(5):224-6

METHODS

The "third pedicle" sign in oblique lumbar puncture [letter] Lanzieri CF, et al. **AJNR** 1985 Sep-Oct;6(5):843-4

The spinal tap [letter] **Ann Intern Med** 1986 Sep;105(3):464

Repeated determination of cerebrospinal fluid amine metabolites by automated direct sampling from an implanted cannula in freely moving rats. De La Riva CF, et al. **J Neurosci Methods** 1985 Sep;14(4):233-40

Lumbar puncture. Technique, indications, and complications. Gorelick PB, et al. **Postgrad Med** 1986 Jun;79(8):257-68 (28 ref.)

PSYCHOLOGY

Behavioral management of children's distress during painful medical procedures. Jay SM, et al. **Behav Res Ther** 1985; 23(5):513-20

SPINAL STENOSIS

COMPLICATIONS

Assessment of spinal cord conduction in cervical myelopathies by spinal stenosis or herniated disc. D'Alpa F, et al. **Acta Neurol (Napoli)** 1985 Oct;7(5):394-400

Partial cauda equina compromise: result of sacral stenosis. Buszek MC, et al. **Arch Phys Med Rehabil** 1985 Dec; 66(12):825-6

Cauda equina syndrome: a complication of lumbar discectomy. McLaren AC, et al. **Clin Orthop** 1986 Mar; (204):143-9

Neurospinous claudication [letter] Cast IP. **Lancet** 1985 Oct 26;2(8461):948

Autosomal dominant osteosclerosis associated with familial spinal canal stenosis. Yasuda Y, et al. **Neurology** 1986 May; 36(5):687-92

The evaluation of liquid crystal thermography in the investigation of nerve root compression due to lumbosacral lateral spinal stenosis. Mills GH, et al. **Spine** 1986 Jun; 11(5):427-32

[Surgical treatment of worsening paraparesis in achondroplasia] Lucci B, et al. **Riv Neurobiol** 1984 Apr-Sep;30(2-3):570-4 (Eng. Abstr.) (Ita)

[Rigidity of spinal origin in a case of cervical vertebral fusion] Miyazaki H, et al. **Rinsho Shinkeigaku** 1985 Jul;25(7):760-6 (Eng. Abstr.) (Jpn)

[Correlations between clinical, radiological and intraoperative pictures in extra-disk stenosis of the spinal canal] Krawczyk E, et al. **Chir Narzadow Ruchu Ortop Pol** 1985;50(3):244-7 (Eng. Abstr.) (Pol)

[Secondary stenosis of the spinal canal in the lumbar segment with few symptoms (spondylogenic urinary incontinence)] Król R, et al. **Chir Narzadow Ruchu Ortop Pol** 1985; 50(4):288-91 (Eng. Abstr.) (Pol)

["Tight" spinal canal in the lumbar segment of the spine]

Mrówka R, et al. **Chir Narzadow Ruchu Ortop Pol** 1985; 50(4):283–7 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Degenerative lumbar stenosis. Kallina C. **Clin Geriatr Med** 1985 May;1(2):391–400

Transducer frequency considerations in intraoperative US of the spine. Gooding GA, et al. **Radiology** 1986 Jul; 160(1):272–3

Ultrasound of the spine in focal stenosis and disc disease. Engel JM, et al. **Spine** 1985 Dec;10(10):928–31

Somatosensory evoked potentials as an aid in the diagnosis and intraoperative management of spinal stenosis. Keim HA, et al. **Spine** 1985 May;10(4):338–44

[The narrow lumbar canal. Apropos of 27 cases operated on at the Neurosurgical Clinic of the Dakar University Medical Center] Gueye M, et al. **Dakar Med** 1984; 29(1):227–35 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Recurrent articular spondylolisthesis: common cause of vertebral instabilities, root pain, sciatica, and ultimately spinal stenosis. Early detection and blocking of specific dislocations. Milgram JE. **Bull Hosp Jt Dis Orthop Inst** 1986 Spring;46(1):47–51

Lumbar canal stenosis in Paget's disease. The staging of the clinical syndrome, its diagnosis, and treatment. Weisz GM. **Clin Orthop** 1986 May;(206):223–7

Ossification of the posterior longitudinal ligaments: a cause of spinal stenosis syndrome. Foreman SM. **J Manipulative Physiol Ther** 1985 Dec;8(4):251–5

Progressive myelopathy [letter] **JAMA** 1985 Nov 15; 254(19):2740–1

[Narrow spinal canal disclosing acromegaly (letter)] Scherrer H, et al. **Presse Med** 1986 May 17;15(20):934 **(Fre)**

[Narrow lumbar canal in a patient with tabes dorsalis (letter)] Thenint JP, et al. **Presse Med** 1985 Dec 14;14(43):2196 **(Fre)**

[Stenosis of the spinal canal and intervertebral foramen following changes in the lateral recess] Doniec J, et al. **Chir Narzadow Ruchu Ortop Pol** 1985;50(3):219–26 (Eng. Abstr.) **(Pol)**

[Pathology of the vertebral canal in compression fractures of the vertebrae and after reduction of dislocations evaluated on the basis of computerized tomography pictures, experimental studies and intraoperative observations] Gusta A. **Chir Narzadow Ruchu Ortop Pol** 1985;50(3):214–8 (Eng. Abstr.) **(Pol)**

[Instability–a cause of narrowing and stenosis of the spinal canal and intervertebral foramina in the lumbar segment of the spine] Zuk T. **Chir Narzadow Ruchu Ortop Pol** 1985; 50(4):277–82 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

[Autosomal dominant osteosclerosis associated with familial spinal canal stenosis] Yasuda Y, et al. **Rinsho Shinkeigaku** 1985 Nov;25(11):1269–76 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Lumbar spinal stenosis. Johnson PH. **J Arkansas Med Soc** 1985 Aug;82(3):153–7

Multilevel spinal stenosis: a case report. Buehler MT, et al. **J Manipulative Physiol Ther** 1986 Jun;9(2):135–8

Vascular and neural pathology of lumbosacral spinal stenosis. Watanabe R, et al. **J Neurosurg** 1986 Jan;64(1):64–70

Cryomicrotomy of the lumbar spine. Tajima N, et al. **Spine** 1986 May;11(4):376–9

[Autopsy findings on cervical vertebrae with spinal canal stenosis] Kock C. **Radiologe** 1985 Jul;25(7):342–4 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

[Blood flow changes in the legs of patients with disc herniation and spinal canal stenosis] Yamamoto M. **Nippon Seikeigeka Gakkai Zasshi** 1985 Nov;59(11):921–35 (Eng. Abstr.) **(Jpn)**

[A case of lumbar canal stenosis with intermittent penile erection] Shintani S, et al. **Rinsho Shinkeigaku** 1986 Apr; 26(4):372–8 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Use of sitting position to relieve myelographic obstruction. Crane R, et al. **AJNR** 1986 May–Jun;7(3):502–3

Lumbar herniated disk disease and canal stenosis: prospective evaluation by surface coil MR, CT, and myelography. Modic MT, et al. **AJR** 1986 Oct;147(4):757–65

The radiological diagnosis of spinal stenosis in the lumbar canal. Urso S, et al. **Ital J Orthop Traumatol** 1986 Mar; 12(1):93–108

Flexed sitting maneuver for complete lumbar myelography in patients with severe spinal stenosis and apparent block. Kapila A, et al. **Radiology** 1986 Jul;160(1):265–7

Intraspinal synovial cyst simulating spinal stenosis. A case report. Baum JA, et al. **Spine** 1986 Jun;11(5):487–9

The pathomorphology of spinal stenosis as seen on CT scans of the lumbar spine. Schonstrom NS, et al. **Spine** 1985 Nov; 10(9):806–11

[Diagnosis of lumbar disk prolapse and spinal stenosis with computed tomography] Gelineck J, et al. **Ugeskr Laeger** 1986 Apr 21;148(17):1005–8 (Eng. Abstr.) **(Dan)**

[Sagittal widths of the cervical spinal canal in the computerized tomogram] Kock C. **Radiologe** 1986 May; 26(5):239–41 (Eng. Abstr.) **(Ger)**

[Findings in myelographic block. Correlations with computerized tomography image] de Morpurgo P, et al. **Radiol Med (Torino)** 1986 Jul–Aug;72(7–8):560–3 (Eng. Abstr.) **(Ita)**

[Stratigraphic examination and radiological picture of post-traumatic changes in articular processes of the cervical spine] Bielecki M, et al. **Chir Narzadow Ruchu Ortop Pol** 1985;50(4):315–9 (Eng. Abstr.) **(Pol)**

[Appearance of the radiographic image of the spinal roots depending on the size of the lumbar canal in painful spinal diseases] Rymer P, et al. **Chir Narzadow Ruchu Ortop Pol** 1985;50(5):409–13 (Eng. Abstr.) **(Pol)**

[Pneumomyelography and computerized tomography in lumbar osteochondrosis] Okhrinenko NN, et al. **Sov Med** 1986;(2):48–53 (Eng. Abstr.) **(Rus)**

SURGERY

Successful surgical management of lateral spinal stenosis. Burton CV. **Instr Course Lect** 1985;34:55–67

Intrathecal morphine during lumbar spine operation for postoperative pain control. Blacklock JB, et al. **Neurosurgery** 1986 Mar;18(3):341–4

A new surgical procedure for the treatment of lumbar spinal canal stenosis especially recommendable for degenerative and combined stenosis. Shibata T, et al. **Nippon Geka Hokan** 1985 Nov 1;54(6):397–405

Postoperative instability after decompression for lumbar spinal stenosis. Johnsson KE, et al. **Spine** 1986 Mar; 11(2):107–10

Lumbosacral spinal fusion with Knodt distraction rods. Lee CK, et al. **Spine** 1986 May;11(4):373–5

Cervical laminoplasty using apatite beads as implants. Experiences in 31 patients with compressive myelopathy due to developmental canal stenosis. Koyama T, et al. **Surg Neurol** 1985 Dec;24(6):663–7

Compressive cervical myelopathy treated by canal expansive laminoplasty. Lin SM, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Feb;85(2):161–8

[Evaluation of the risk of vertebral displacement after surgical treatment of a lumbar stenosis] de la Caffinière JY. **Rev Chir Orthop** 1986;72(1):73–80 (Eng. Abstr.) **(Fre)**

[Osteoplastic laminectomy using hydroxyapatite ceramic implants] Koyama T, et al. **No Shinkei Geka** 1986 Feb; 14(2):151–9 (Eng. Abstr.) **(Jpn)**

[Results of the treatment of stenosis of the spinal canal and intervertebral foramen by decompression and "disk plasty" or intervertebral fusion] Król R, et al. **Chir Narzadow Ruchu Ortop Pol** 1985;50(3):235–8 (Eng. Abstr.) **(Pol)**

[Surgical treatment of spinal stenosis of the lumbar segment] Malawski S. **Chir Narzadow Ruchu Ortop Pol** 1985; 50(4):292–6 (Eng. Abstr.) **(Pol)**

[Evaluation of the results of the surgical treatment of stenosis of the lumbar segment of the spine] Wall A, et al. **Chir Narzadow Ruchu Ortop Pol** 1985;50(3):239–43 (Eng. Abstr.) **(Pol)**

[A method of surgical treatment of secondary stenosis of the spinal canal and intervertebral foramen by decompression with stabilization of the lumbar vertebrae] Zuk T. **Chir Narzadow Ruchu Ortop Pol** 1985;50(3):231–4 (Eng. Abstr.) **(Pol)**

[Decompression of the vertebral arteries in patients with arterial insufficiency syndrome in degenerative changes in the cervical spine] Kiwerski J. **Neurol Neurochir Pol** 1985 Sep–Oct;19(5):452–5 (Eng. Abstr.) **(Pol)**

VETERINARY

Pathology of the vertebral column of horses with cervical static stenosis. Powers BE, et al. **Vet Pathol** 1986 Jul; 23(4):392–9

SPINDLE APPARATUS, MITOTIC see **MITOTIC SPINDLE APPARATUS**

SPINE

see related
LAMINECTOMY

Cervical spine movement during orotracheal intubation. Majernick TG, et al. **Ann Emerg Med** 1986 Apr; 15(4):417–20

Effects of posture and spinal bracing on respiratory function in neuromuscular disease. Noble-Jamieson CM, et al. **Arch Dis Child** 1986 Feb;61(2):178–81

Studies on spinal braces. With special reference to the effects of increased abdominal pressure. Ueyoshi A, et al. **Int Orthop** 1985;9(4):255–8

The management of hypertensive disease: a review of spinal manipulation and the efficacy of conservative therapeusis. Crawford JP, et al. **J Manipulative Physiol Ther** 1986 Mar; 9(1):27–32 (53 ref.)

Ossification of the posterior longitudinal ligaments: a cause of spinal stenosis syndrome. Foreman SM. **J Manipulative Physiol Ther** 1985 Dec;8(4):251–5

Spinal manipulation and beta-endorphin: a controlled study of the effect of a spinal manipulation on plasma beta-endorphin levels in normal males. Vernon HT, et al. **J Manipulative Physiol Ther** 1986 Jun;9(2):115–23

Retinoid-induced ossification of the posterior longitudinal ligament. Pennes DR, et al. **Skeletal Radiol** 1985; 14(3):191–3

Efficacy of spinal manipulation/mobilization therapy. A meta-analysis. Ottenbacher K, et al. **Spine** 1985 Nov; 10(9):833–7

Delayed effects from retained foreign bodies in the spine and spinal cord. Wu WQ. **Surg Neurol** 1986 Mar;25(3):214–8

Is spinal manipulation effective? [letter] Livingston MC. **West J Med** 1985 Nov;143(5):678

[New method of obtaining cadaver bone marrow from the vertebral bodies] Kriazhev LN, et al. **Gematol Transfusiol** 1986 Apr;31(4):57–8 **(Rus)**

ABNORMALITIES

The spatial reproduction of the deformed spine with the aid of CT-scanning. Implementation in clinics and in anatomical and embryological research. Verbout AJ. **Acta Morphol Neerl Scand** 1985;23(3):305–13

Notochord and spinal malformations. Goto S, et al. **Acta Orthop Scand** 1986 Apr;57(2):149–53

The VATER association. Analysis of 46 patients. Weaver DD, et al. **Am J Dis Child** 1986 Mar;140(3):225–9

Development of rib–vertebrae: a new mutation in the house mouse with accessory caudal duplications. Theiler K, et al. **Anat Embryol (Berl)** 1985;173(1):111–6

A rare case of Aicardi syndrome with severe brain malformation and hepatoblastoma. Tanaka T, et al. **Brain Dev** 1985;7(5):507–12

Effects of hypoxia on the embryogenesis of congenital vertebral malformations in the mouse. Rivard CH. **Clin Orthop** 1986 Jul;(208):126–30

An aetiological study of the VACTERL-association. Czeizel A, et al. **Eur J Pediatr** 1985 Nov;144(4):331–7

Narrow lumbar spinal canal caused by vertebral apophysomegaly. Kitov D, et al. **Folia Med (Plovdiv)** 1984; 26(3):20–5

Occurrence and formation of vertebral anomalies in hatchery reared ayu, Plecoglossu altivelis. Komada N. **Growth** 1985 Autumn;49(3):318–40

Craniovertebral malformations in hemifacial microsomia. Figueroa AA, et al. **J Craniofac Genet Dev Biol [Suppl]** 1985;1:167–78

Spondylocostal dysplasia in identical twins. Fogarty EE, et al. **J Pediatr Orthop** 1985 Nov–Dec;5(6):720–1

Vascular causes of vertebral asymmetry and the laterality of scoliosis. Taylor JR. **Med J Aust** 1986 May 12; 144(10):533–5 (19 ref.)

Diagnostic imaging in children with spinal disorders. Fitz CR. **Pediatr Clin North Am** 1985 Dec;32(6):1537–58 (27 ref.)

Absence of a pedicle in the spine metastatic disease versus aplasia. Degesys GE, et al. **Spine** 1986 Jan–Feb;11(1):76–7

[Evaluation of urogenital anomalies in vertebral anomalies with special reference to crossed renal ectopia and asymmetric fused kidney] Gotoh T, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Jul;76(7):974–84 (Eng. Abstr.) **(Jpn)**

[Vertebral body anomaly as the cause of juvenile spinal compression] Alvik E, et al. **Tidsskr Nor Laegeforen** 1986 Apr 10;106(9):754–5 (Eng. Abstr.) **(Nor)**

ANALYSIS

CT vertebral bone mineral measurement—intrinsic errors of single KV. Mahaworasilpa T, et al. **Australas Phys Eng Sci Med** 1986 Jan–Mar;9(1):23–8

Trabecular mineral content of the spine in women with hip fracture: CT measurement. Firooznia H, et al. **Radiology** 1986 Jun;159(3):737–40

ANATOMY & HISTOLOGY

Sonography of the neonatal craniocervical junction. Cramer BC, et al. **AJR** 1986 Jul;147(1):133–9

Anatomical and roentgenological basis for the study of the lumbar spine with the body in the suspended position. Théry Y, et al. **Anat Clin** 1985;7(3):161–9

The influence of spine geometry on the coupling between lateral bending and axial rotation. Scholten PJ, et al. **Eng Med** 1985 Oct;14(4):167–71

Patterns of anteroposterior curvatures of the vertebral column in children and school children in relation to body height. Porwolik K, et al. **Folia Morphol (Warsz)** 1985; 44(1):48–53

Structural models for human spinal motion segments based on a poroelastic view of the intervertebral disk. Simon BR, et al. **J Biomech Eng** 1985 Nov;107(4):327–35

Fractional spine length: a new parameter for assessing fetal growth. Li DF, et al. **J Ultrasound Med** 1986 Jul; 5(7):379–83

Shape of vertebrae—an application of a generalised method. Johnson DR. **Prog Clin Biol Res** 1985;187:295–306

[Correlations between spondylometric features and body height of man] Goździewski S. **Anat Anz** 1985; 159(1–5):127–30 (Eng. Abstr.) **(Ger)**

[Ligamentous connections of the spinal processes] Prestar FJ, et al. **Anat Anz** 1985;159(1–5):259–68 (Eng. Abstr.) **(Ger)**

[A procedure for the determination of spinal cord length in vivo] Balogh B, et al. **Gegenbaurs Morphol Jahrb** 1986; 132(3):421–8 (Eng. Abstr.) (Ger)

[Length of the spinal dural sac, sex differences and correlation with the length of the spinal cord and vertebral column in adults] Nikolenko VN. **Arkh Anat Gistol Embriol** 1985 Jun;88(6):23–5 (Eng. Abstr.) (Rus)

BLOOD SUPPLY

Response of vertebral and carotid blood flow to isocapnic changes in end-tidal oxygen tension. Van Beek JH, et al. **Respir Physiol** 1986 Jan;63(1):65–77

[Congenital paravertebral arteriovenous fistulae in children and adolescents] Petit A, et al. **Arch Mal Coeur** 1986 May; 79(5):659–66 (Eng. Abstr.) (Fre)

[Significance of spinal phlebography in neuroradiology of the spinal canal] Giercke K, et al. **Psychiatr Neurol Med Psychol Beih** 1969;10–11:40–3 (Ger)

[Balloon catheter technic and embolization—new therapeutic approaches in cerebral and spinal blood vessel malformations] Trattnig S, et al. **Wien Klin Wochenschr** 1985 Aug 30;97(16):653–8 (46 ref.) (Eng. Abstr.) (Ger)

DRUG EFFECTS

Effects of sex hormones on congenital kyphosis in Ishibashi rats. Moritake S, et al. **Acta Orthop Scand** 1986 Feb; 57(1):62–6

Effects of prednisone and deflazacort on vertebral bone mass. Gennari C, et al. **Calcif Tissue Int** 1985 Dec;37(6):592–3

EMBRYOLOGY

Notochord action on spinal development. A histologic and morphometric investigation. Goto S, et al. **Acta Orthop Scand** 1986 Feb;57(1):85–90

Morphogenesis of sclerotome and neural crest in avian embryos. In vivo and in vitro studies on the role of notochordal extracellular material. Newgreen DF, et al. **Cell Tissue Res** 1986;244(2):299–313

Developmental stability in the mouse vertebral column. Sofaer JA. **J Anat** 1985 Jan;140 (Pt 1):131–41

Cranio-cervical growth collision: another explanation of the Arnold–Chiari malformation and of basilar impression. Roth M. **Neuroradiology** 1986;28(3):187–94

Fetal lumbar spine: measuring axial growth with US. Birnholz JC. **Radiology** 1986 Mar;158(3):805–7

The functional significance of human notochord in the development of vertebral column. An electron microscopic study. Murakami T, et al. **Tohoku J Exp Med** 1985 Jul; 146(3):321–36

GROWTH & DEVELOPMENT

[Development of the spine in school children of Lower Silesia] Porwolik K, et al. **Z Orthop** 1985 Sep–Oct; 123(5):864–71 (Eng. Abstr.) (Ger)

INNERVATION

Electrical stimulation over the human vertebral column: which neural elements are excited? Mills KR, et al. **Electroencephalogr Clin Neurophysiol** 1986 Jun;63(6):582–9

METABOLISM

Gas in spinal articulations. Yetkin Z, et al. **Neuroradiology** 1986;28(2):150–3

Greater vertebral bone mineral mass in exercising young men. Block JE, et al. **West J Med** 1986 Jul;145(1):39–42

[Status of the pyruvate–LDH–lactate system in tissues of the vertebral bodies and intervertebral disks of the rat during hypokinesia in relation to age] Timoshenko OP, et al. **Ortop Travmatol Protez** 1985 Jul;(7):45–7 (Rus)

PATHOLOGY

Hypophosphatemic osteomalacia complicating von Recklinghausen's neurofibromatosis: increase in spinal density on treatment. Hogan DB, et al. **Bone** 1986;7(1):9–12

Effects of ovariectomy on vertebral trabecular bone in the cynomolgus monkey (Macaca fascicularis). Miller LC, et al. **Calcif Tissue Int** 1986 Jan;38(1):62–5

Percutaneous vertebral biopsy: a review of 135 cases. Stoker DJ, et al. **Clin Radiol** 1985 Nov;36(6):569–77

The effect of posterior spinal fixation with acrylic cement on the vertebral growth plate and intervertebral disc in dogs. Moon MS, et al. **Int Orthop** 1986;10(1):69–73

Magnetic resonance imaging of the spine. Modic MT, et al. **Radiol Clin North Am** 1986 Jun;24(2):229–45

Effectiveness of braces in mild idiopathic scoliosis [letter] Dickson RA. **Spine** 1985 May;10(4):401–2

[X-ray guided punch biopsy of the spinal column] Rau WS. **Radiologe** 1985 Jul;25(7):329–38 (Eng. Abstr.) (Ger)

[Forensic medical examination of patients dying in the hospital after blunt injuries of the spine] Sosedko IuI. **Sud Med Ekspert** 1985 Jul–Sep;28(3):8–10 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Spinal configuration during lifting. Nordin M, et al. **Bull Hosp Jt Dis Orthop Inst** 1986 Spring;46(1):31–6

Assessment of the flexibility of the lumbar spine in childhood and adolescence. Siamopoulou-Mavridou A, et al. **Clin Exp Rheumatol** 1986 Apr–Jun;4(2):111–3

Spinal manipulative therapy in sports medicine. Haldeman S. **Clin Sports Med** 1986 Apr;5(2):277–93 (66 ref.)

Relationship between spinal biomechanics and pathological changes in the equine thoracolumbar spine. Townsend HG, et al. **Equine Vet J** 1986 Mar;18(2):107–12

The orientation of the cervical vertebral column in unrestrained awake animals. I. Resting position. Vidal PP, et al. **Exp Brain Res** 1986;61(3):549–59

The stabilising function of the mm. iliocostales and the mm. multifidi during walking. Dofferhof AS, et al. **J Anat** 1985 Mar;140 (Pt 2):329–36

Function of the spine. Gracovetsky S. **J Biomed Eng** 1986 Jul;8(3):217–23

Measurement of trunk flexibility in normal subjects: reproducibility of three clinical methods. Merritt JL, et al. **Mayo Clin Proc** 1986 Mar;61(3):192–7

A study of lumbosacral orientation under varied static loads. Anderson CK, et al. **Spine** 1986 Jun;11(5):456–62

Trunk posture and trapezius muscle load while working in standing, supported-standing, and sitting positions. Bendix T, et al. **Spine** 1985 Jun;10(5):433–9

The abdominal mechanism. Gracovetsky S, et al. **Spine** 1985 May;10(4):317–24

Quantification of lumbar function. Part 5: Reliability of range-of-motion measures in the sagittal plane and an in vivo torso rotation measurement technique. Keeley J, et al. **Spine** 1986 Jan–Feb;11(1):31–5

Cyclic axial loading of spinal implants. Nasca RJ, et al. **Spine** 1985 Nov;10(9):792–8

The bending stiffness of the trunk. Scholten PJ, et al. **Spine** 1986 Jun;11(5):463–7

Poroelastic dynamic structural models of rhesus spinal motion segments. Simon BR, et al. **Spine** 1985 Jul–Aug; 10(6):494–507

[Changes in the spine in working populations. 2: Reference values for the movement of the vertebral column for adult male subjects] Occhipinti E, et al. **Med Lav** 1985 Nov–Dec; 76(6):509–15 (Eng. Abstr.) (Ita)

[Anthropometric study of the physiologic bending of the axial skeleton] Buković D, et al. **Acta Med Iugosl** 1985; 39(5):325–32 (Eng. Abstr.) (Scr)

PHYSIOPATHOLOGY

Somatic dysfunction as a predictor of coronary artery disease. Beal MC, et al. **J Am Osteopath Assoc** 1985 May; 85(5):302–7

Analysis of functional scoliosis by means of an anisotropic beam model of the human spine. Lindbeck L. **J Biomech Eng** 1985 Aug;107(3):281–5

Osteoarthrosis in human cadaveric lumbo-sacral zygapophyseal joints. Giles LG, et al. **J Manipulative Physiol Ther** 1985 Dec;8(4):239–43

Physical therapy for chronic low back pain: correlations between spinal mobility and treatment outcome. Mellin G. **Scand J Rehabil Med** 1985;17(4):163–6

Vertebral motion measured using biplanar radiography before and after Harrington rod removal for unstable thoracolumbar fractures of the spine. Dodd CA, et al. **Spine** 1986 Jun;11(5):452–5

Quantification of lumbar function. Part 6: The use of psychological measures in guiding physical functional restoration. Gatchel RJ, et al. **Spine** 1986 Jan–Feb; 11(1):36–42

Objective assessment of spine function following industrial injury. A prospective study with comparison group and one-year follow-up. Mayer TG, et al. **Spine** 1985 Jul–Aug; 10(6):482–93

Spinal and pelvic kinematics in osteoarthrosis of the hip joint. Thurston AJ. **Spine** 1985 Jun;10(5):467–71

Radiographic measurements of lumbar spinal canal size and their relation to back mobility. Vanharanta H, et al. **Spine** 1985 Jun;10(5):461–6

[Device for determining the degree of angular mobility of various sections of the spine] Iarovoi VK, et al. **Ortop Travmatol Protez** 1986 Apr;(4):62–3 (Rus)

RADIATION EFFECTS

Spinal axis irradiation with electrons: measurements of attenuation by the spinal processes. Muller-Runkel R, et al. **Med Phys** 1986 Jul–Aug;13(4):539–43

RADIOGRAPHY

The use of modern imaging techniques (CT-scanning and NMR) in the study of the locomotor apparatus. van Mameren H, et al. **Acta Morphol Neerl Scand** 1985; 23(3):247–57

Tall vertebrae at birth: a radiographic finding in flaccid infants. Donaldson JS, et al. **AJR** 1985 Dec;145(6):1293–5

Age-related alterations in the vertebral spinous processes and intervening soft tissues: radiologic-pathologic correlation. Sartoris DJ, et al. **AJR** 1985 Nov;145(5):1025–30

The VATER Association. Hauser GJ, et al. **Am J Dis Child** 1986 Mar;140(3):245–6

Extradural block. Confirmation of the injection site by X-ray monitoring. Mehta M, et al. **Anaesthesia** 1985 Oct; 40(10):1009–12

Guidelines for use of lumbar spine radiography. Kelen GD, et al. **Ann Emerg Med** 1986 Mar;15(3):245–51 (68 ref.)

Patient absorbed doses in digital grey-scale fluorography. Cowen AR, et al. **Br J Radiol** 1986 Jul;59(703):689–93

Who has most epidural fat? Information from computed tomography. Dixon AK. **Br J Radiol** 1986 May; 59(701):475–80

ABC of spinal cord injury: radiological investigations [letter] Morcos SK, et al. **Br Med J [Clin Res]** 1986 Jan 25; 292(6515):270

Computed tomography of the spine in older children and teenagers. Rothman SL. **Clin Sports Med** 1986 Apr; 5(2):247–70

Morphological methods of qualification for tractor-driver profession. Application of anthropometric methods of body examination. Gościcka D, et al. **Folia Morphol (Warsz)** 1985;44(1):71–4

Idiopathic osteoporosis in a three-year-old girl. Follow-up over a period of 6 years by computed tomography bone densitometry (CT). Exner GU, et al. **Helv Paediatr Acta** 1984 Dec;39(5–6):517–28

Computerized tomography of spinal trauma and degenerative disease. Yeakley J, et al. **Instr Course Lect** 1985;34:85–97

Spinal computed tomography and computed tomographic metrizamide myelography in the early diagnosis of metastatic disease. O'Rourke T, et al. **J Clin Oncol** 1986 Apr;4(4):576–83

Modified method of spinal computed tomography for trabecular bone mineral measurements. Banks LM, et al. **J Comput Assist Tomogr** 1986 May–Jun;10(3):463–7

Low-dose metrizamide spinal computed tomography in outpatients. Pressman BD, et al. **J Comput Assist Tomogr** 1986 Sep–Oct;10(5):817–21

Functional roentgenometric evaluation of the cervical spine in the sagittal plane. Henderson DJ, et al. **J Manipulative Physiol Ther** 1985 Dec;8(4):219–27

Simultaneous bifemoral retrograde arteriography under pressure. First stage in angiographic exploration of the spine and spinal cord. Melki JP, et al. **J Neuroradiol** 1986; 13(1):62–70 (Eng, Fre)

Lumbar disc disease evaluated by myelography and postmyelography spinal computed tomography. Ketonen L, et al. **Neuroradiology** 1986;28(2):144–9

Three-dimensional computed tomographic reformation of the spine, skull, and brain from axial images. Virapongse C, et al. **Neurosurgery** 1986 Jan;18(1):53–8

Intraspinal masses: efficacy of plain spine radiography. Naidich TP, et al. **Pediatr Neurosci** 1985–86;12(1):10–7

CT scanning and metrizamide myelography. **Spine** 1985 Oct; 10(8):691–5

The relation of spinal x-ray to low-back pain and physical activity among 60-year-old men and women. Biering-Sørensen F, et al. **Spine** 1985 Jun;10(5):445–51

The radiographic evaluation of the symptomatic postoperative lumbar spine patient. Byrd SE, et al. **Spine** 1985 Sep;10(7):652–61

[CT of the lumbar spine] Bellstrøm T, et al. **Ugeskr Laeger** 1986 Jul 21;148(30):1897–9 (Eng. Abstr.) (Dan)

[Vertebral compression with intrasomatic vacuum images. Apropos of 2 cases with histological control by trocar biopsy] Laredo JD, et al. **Rev Rhum Mal Osteoartic** 1985 Jun;52(6):373–9 (Eng. Abstr.) (Fre)

[4th-generation x-ray computed tomography in the study of diseases of the head, neck and spine] Milette PC, et al. **Union Med Can** 1986 Feb;115(2):104–11 (Eng. Abstr.) (Fre)

[Reduction of doses in teleradiography of the spine. Criteria of radiation protection and studies of dosimetry] Agati G, et al. **Radiol Med (Torino)** 1985 May;71(5):334–41 (Eng. Abstr.) (Ita)

RADIONUCLIDE IMAGING

Isotope scanning with Tc99m-MDP of the spine and the costosternal junctions of patients with idiopathic scoliosis. Normelli H, et al. **Acta Radiol [Diagn] (Stockh)** 1985 Jul–Aug;26(4):397–401

Evaluation of distance-weighted SPECT reconstruction for skeletal scintigraphy. Hellman RS, et al. **Radiology** 1986 May;159(2):473–5

[Spinal biphotonic absorptiometry] Sabatier JP, et al. **Rev Rhum Mal Osteoartic** 1985 Dec;52(12):685–8 (Eng. Abstr.) (Fre)

SURGERY

A method for identification of vertebral level. Redfern RM, et al. **Ann R Coll Surg Engl** 1986 May;68(3):163

Intra-operative recording of cortical somatosensory evoked potentials as a method of spinal cord monitoring during spinal surgery. Whittle IR, et al. **Aust NZ J Surg** 1986 Apr;56(4):309–17

Corrective osteotomy of the spine in ankylosing spondylitis. Experience with 66 cases. Camargo FP, et al. **Clin Orthop** 1986 Jul;(208):157–67

Follow-up study of medial facetectomies and posterolateral fusion with instrumentation in unstable degenerative spondylolisthesis. Kaneda K, et al. **Clin Orthop** 1986 Feb; (203):159–67

Sensitivity of spinal cord monitoring to intraoperative events. Szalay EA, et al. **J Pediatr Orthop** 1986 Jul–Aug; 6(4):437–41

Use of intraoperative ultrasound in decision making during spinal operations. Theodotou BC, et al. **Neurosurgery** 1986 Aug;19(2):205–11

Controlled mobilization of patients undergoing reconstructive spinal surgery: preliminary comparison of the kinetic therapy table vs the Foster frame. Trammell TR, et al. **Orthopedics** 1985 Dec;8(12):1489–91

Delayed overdistraction of a surgically treated unstable thoracolumbar fracture. A case report. Esposito PW, et al. **Spine** 1985 May;10(4):393–6

Anterior and posterior stabilization of the spine following vertebral body resection. A postmortem investigation. Fidler MW. **Spine** 1986 May;11(4):362–6

Pedicle fat grafts for the prevention of scar in low-back surgery. A preliminary report on the first 92 cases. Gill GG, et al. **Spine** 1985 Sep;10(7):662–7

The influence of trimethaphan (Arfonad)-induced hypotension with and without spine distraction on canine spinal cord blood flow. Kling TF Jr, et al. **Spine** 1986 Apr; 11(3):219–24

Reduction of postoperative pain parameters by presurgical relaxation instructions for spinal pain patients. Lawlis GF, et al. **Spine** 1985 Sep;10(7):649–51

Spinal and cortical somatosensory evoked potential monitoring during corrective spinal surgery with 108 patients. Ryan TP, et al. **Spine** 1986 May;11(4):352–61

[Preoperative spinal localization by the needle and marker wire technic] Lesoin F, et al. **Presse Med** 1986 Mar 29; 15(13):617–8 (Eng. Abstr.) **(Fre)**

[Early surgical treatment of traumatic paraplegia with an external fixation device and diagonal vertebroplasty] Arnold W. **Unfallchirurg** 1985 Jul;88(7):293–8 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Association between microtubules and mitochondria in myelinated axons of Lacerta muralis. A quantitative analysis. Pannese E, et al. **Cell Tissue Res** 1986;245(1):1–8

The vertebral cartilaginous endplate of the preadult rhesus monkey (Macaca mulatta). A correlative scanning electron-and light-microscopic study. Eurell JA, et al. **Spine** 1986 Jun;11(5):483–6

SPINOTHALAMIC TRACTS

ANATOMY & HISTOLOGY

The overlap of spinothalamic and dorsal column nuclei projections in the ventrobasal complex of the rat thalamus: a double anterograde labeling study using light microscopy analysis. Ma W, et al. **J Comp Neurol** 1986 Mar 22; 245(4):531–40

CYTOLOGY

Morphology of HRP-injected spinocervical tract neurons: effect of dorsal rhizotomy. Sedivec MJ, et al. **J Neurosci** 1986 Mar;6(3):661–72

PHYSIOLOGY

Periventricular gray inhibition of thoracic spinothalamic cells projecting to medial and lateral thalamus. Ammons WS, et al. **J Neurophysiol** 1986 May;55(5):1091–103

PHYSIOPATHOLOGY

Cerebral-evoked responses elicited by direct stimulation of the lateral spinothalamic tract in the human. Taira T, et al. **Appl Neurophysiol** 1985;48(1–6):267–70

SURGERY

Further experience in stereotactic pontine tractotomy. Hitchcock E, et al. **Appl Neurophysiol** 1985;48(1–6):242–6

SPIPERONE see under **BUTYROPHENONES**

SPIRAL GANGLION see under **COCHLEA**

SPIRAL LAMINA see under **COCHLEA**

SPIRAL ORGAN see **ORGAN OF CORTI**

SPIRAMYCINS see **LEUCOMYCINS**

SPIRILLACEAE

ENZYMOLOGY

Regulation of nitrogenase activity by ammonium chloride in Azospirillum spp. Hartmann A, et al. **J Bacteriol** 1986 Mar;165(3):864–70

GENETICS

Regulatory mutation that controls nif expression and histidine transport in Azospirillum brasilense. Fischer M, et al. **J Bacteriol** 1986 Jul;167(1):423–6

GROWTH & DEVELOPMENT

Salt tolerance of Azospirillum brasilense. Rao AV, et al. **Acta Microbiol Hung** 1985;32(3):221–4

METABOLISM

Hydroxamate production by Aquaspirillum magnetotacticum. Paoletti LC, et al. **J Bacteriol** 1986 Jul; 167(1):73–6

PHYSIOLOGY

Iron respiration-driven proton translocation in aerobic bacteria. Short KA, et al. **J Bacteriol** 1986 Aug; 167(2):729–31

SPIRILLUM

DRUG EFFECTS

Microtox and Spirillum volutans tests for assessing toxicity of environmental samples. Coleman RN, et al. **Bull Environ Contam Toxicol** 1985 Oct;35(4):443–51

ENZYMOLOGY

Restriction endonucleases in Azospirillum. Schwabe G, et al. **Gene** 1985;39(1):113–6

SPIRITUAL HEALING see **MENTAL HEALING**

SPIRITUALISM

Male homosexuality and spirit possession in Brazil. Fry P. **J Homosex** 1985 Summer;11(3–4):137–53

SPIRO COMPOUNDS

Fluorometric determination of nanogram quantities of protein in small samples: application to calcium-transport adenosine triphosphatase. Bridges MA, et al. **Clin Chim Acta** 1986 May 30;157(1):73–9

ADMINISTRATION & DOSAGE

[Fluspirilene in schizophrenia maintenance therapy and its interaction with dexetimide] Skopová J, et al. **Cesk Psychiatr** 1985 Dec;81(6):414–9 (Eng. Abstr.) **(Cze)**

BLOOD

Spiroarsoranes, a new class of antiparasitical compounds: quantitative analysis by high-performance liquid chromatography. Rekik L, et al. **J Chromatogr** 1986 Apr 25;377:405–9

CHEMICAL SYNTHESIS

Synthesis and pharmacological evaluation of some 6-substituted 7-methyl-1,4-dioxa-7-azaspiro[4.5]decanes as potential dopamine agonists. Brubaker AN, et al. **J Med Chem** 1986 Aug;29(8):1528–31

[Amino derivatives of oxaspirononane] Fytas G, et al. **Ann Pharm Fr** 1985;43(1):47–53 (Eng. Abstr.) **(Fre)**

ISOLATION & PURIFICATION

[The structure of dan-shen spiroketallactone of dan-shen (Salvia miltiorrhiza Bunge)] Kong DY, et al. **Yao Hsueh Hsueh Pao** 1985 Oct;20(10):747–51 (Eng. Abstr.) **(Chi)**

PHARMACODYNAMICS

1-Alkyl-1,4-diazaspiro[4.5]decane and [5.5]undecane-3,5-diones as analgesics and anticonvulsants. Aboul-Enein MN, et al. **Acta Pharm Suec** 1986; 23(2):107–14

Spiroxatrine: a selective serotonin1A receptor antagonist. Nelson DL, et al. **Eur J Pharmacol** 1986 May 13; 124(1–2):207–8

Generation of suppressor cells in normal rats by treatment with spirogermanium, a novel heterocyclic anticancer drug. Badger AM, et al. **Immunopharmacology** 1985 Dec; 10(3):201–7

Examination of a series of 8-[3-[bis(4-fluorophenyl)amino]propyl]-1-aryl-1,3,8-triazaspiro[4.5]decan-4-ones as potential antipsychotic agents. Wise LD, et al. **J Med Chem** 1985 Dec; 28(12):1811–7

Antiarthritic and immunoregulatory activity of spirogermanium. DiMartino MJ, et al. **J Pharmacol Exp Ther** 1986 Jan;236(1):103–10

[Proposal for a new synthetic inhibitor of C1 esterase, methyl-2 thiazoline carbamic ester-3 spirobutenolide: enzyme and electron studies] Ollier-Hartmann MP, et al. **C R Acad Sci [III]** 1986;302(10):369–74 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

A phase II study of spirogermanium in advanced human malignancy. Vogelzang NJ, et al. **Am J Clin Oncol** 1985 Aug;8(4):341–4

Phase II Eastern Cooperative Oncology Group Study of spirogermanium in previously treated lymphoma. Boros L, et al. **Cancer Treat Rep** 1986 Jul;70(7):917–8

Phase II study of spirogermanium in advanced (extensive) non-small cell lung cancer. Dhingra HM, et al. **Cancer Treat Rep** 1986 May;70(5):673–4

A phase II study of spirogermanium as second line therapy in patients with poor prognosis lymphoma. An NCI Canada Clinical Trials Group Study. Eisenhauer E, et al. **Invest New Drugs** 1985;3(3):307–10

A phase II study of spirogermanium in patients with metastatic malignant melanoma. An NCI Canada Clinical Trials Group Study. Eisenhauer E, et al. **Invest New Drugs** 1985;3(3):303–5

A controlled clinical trial of fluspirilene, a long-acting injectable neuroleptic, in schizophrenic patients with acute exacerbation. Chouinard G, et al. **J Clin Psychopharmacol** 1986 Feb;6(1):21–6

Effect of neuroleptics and of potential new antipsychotic agents (MJ 13859-1 and MJ 13980-1) on a monkey model of tardive dyskinesia. Kovacic B, et al. **J Neural Transm** 1986;65(1):39–49

Effects of 8-(2-dimethylaminoethyl)-3-oxo-4-phenyl-1-thia-4,8-diazaspiro [4,5] decane dihydrochloride monohydrate (Y-8845) on carbon tetrachloride-induced liver injury. Hatta S, et al. **Jpn J Pharmacol** 1986 Apr;40(4):561–7

Experimental comparison of low doses of 1.5 mg fluspirilene and bromazepam in out-patients with psychovegetative disturbances. Hassel P. **Pharmacopsychiatry** 1985 Sep; 18(5):297–302

TOXICITY

Phase II study of spirogermanium in metastatic prostate cancer. Dexeus FH, et al. **Cancer Treat Rep** 1986 Sep; 70(9):1129–30

SPIROCERCA see **THELAZIOIDEA**

SPIROCHAETALES

ENZYMOLOGY

Initial characterization of neutral proteinases from oral spirochetes. Uitto VJ, et al. **J Periodont Res** 1986 Mar; 21(2):95–100

Enzyme activities from eight small-sized oral spirochetes. Fiehn NE. **Scand J Dent Res** 1986 Apr;94(2):132–40

GROWTH & DEVELOPMENT

Nutrient and environmental growth factors for eight small-sized oral spirochetes. Fiehn NE, et al. **Scand J Dent Res** 1986 Jun;94(3):208–18

ISOLATION & PURIFICATION

Stain for spirochetes [letter] Dervan P. **Hum Pathol** 1985 Oct;16(10):1079

Isolation and characterization of the Lyme disease spirochete from the skin of patients with erythema chronicum migrans. Berger BW, et al. **J Am Acad Dermatol** 1985 Sep; 13(3):444–9

Isolation and characterisation of intestinal spirochaetes. Tompkins DS, et al. **J Clin Pathol** 1986 May;39(5):535–41

Subgingival spirochete and leukocyte counts as indicators of response to therapy. Claffey N, et al. **J Clin Periodontol** 1985 Sep;12(8):639–47

The prevalence of spirochetes in the subgingival microbiota of Tanzanian and Dutch children. Mikx FH, et al. **J Clin Periodontol** 1986 Apr;13(4):289–93

Necrotizing ulcerative gingivitis in beagle dogs. III. Distribution of spirochetes in interdental gingival tissue. Maltha JC, et al. **J Periodont Res** 1985 Sep;20(5):522–31

Black-pigmented Bacteroides and motile organisms on oral mucosal surfaces in individuals with and without periodontal breakdown. Van Winkelhoff AJ, et al. **J Periodont Res** 1986 Jul;21(4):434–9

Histological demonstration of spirochaetes: a method of preparing control sections. Chaplin AJ, et al. **Med Lab Sci** 1985 Jul;42(3):283–4

Isolation of spirochetes from the skin of patients with erythema chronicum migrans in Austria. Stanek G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1985 Aug; 260(1):88–90

PHYSIOLOGY

Studies on the interaction of human neutrophils with plaque spirochetes. Boehringer H, et al. **J Periodont Res** 1986 May; 21(3):195–209

SPIROCHAETALES INFECTIONS

Burning mouth sensation associated with fusospirochetal infection in edentulous patients. Katz J, et al. **Oral Surg Oral Med Oral Pathol** 1986 Aug;62(2):152–4

[Pick-Herxmeier disease: a new spirochetosis. Value of serodiagnosis of the spirochete of Ixodes ricinus (2 cases)] Jayle D, et al. **Ann Dermatol Venereol** 1985;112(9):723–4 **(Fre)**

COMPLICATIONS

Tick-borne spirochetes as a cause of facial palsy. Asbrink E, et al. **Clin Otolaryngol** 1985 Oct;10(5):279–84

Is multiple sclerosis caused by an oral spirochaete? Gay D, et al. **Lancet** 1986 Jul 12;2(8498):75–7

Spirochetal diseases of the CNS. Pachner AR. **Neurol Clin** 1986 Feb;4(1):207–22

Ixodes ricinus spirochete infection as the cause of postinfectious arthritis in Sweden. Stiernstedt G, et al. **Scand J Rheumatol** 1985;14(4):336–42

MICROBIOLOGY

Rectal spirochaetosis in homosexual men: characterisation of the organism and pathophysiology. Cooper C, et al. **Genitourin Med** 1986 Feb;62(1):47–52

Ulcerative balanoposthitis associated with non-syphilitic spirochaetal infection. Piot P, et al. **Genitourin Med** 1986 Feb;62(1):44–6

Stain for spirochetes [letter] Dervan P. **Hum Pathol** 1985 Oct;16(10):1079

Isolation of spirochetes from the skin of patients with erythema chronicum migrans in Austria. Stanek G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1985 Aug; 260(1):88–90

[Etiology of acrodermatitis chronica atrophicans and erythema chronicum migrans] Herrmann WP. **Z Hautkr** 1986 Apr 15;61(8):515–21 (Eng. Abstr.) (Ger)

OCCURRENCE

Erythema chronicum migrans in Sweden: clinical manifestations and antibodies to Ixodes ricinus spirochete measured by indirect immunofluorescence and enzyme-linked immunosorbent assay. Stiernstedt G, et al. **Scand J Infect Dis** 1986;18(3):217–24

TRANSMISSION

[FSME, spirochetoses and multiple sclerosis] Wacker H. **Off Gesundheitswes** 1985 Nov;47(11):583 (Ger)

VETERINARY

Congenital spirochetosis in calves: association with epizootic bovine abortion. Osebold JW, et al. **J Am Vet Med Assoc** 1986 Feb 15;188(4):371–6

SPIROCHETE INFECTIONS see **SPIROCHAETALES INFECTIONS**

SPIROLACTONE see **SPIRONOLACTONE**

SPIROMETRA see under **CESTODA**

SPIROMETRY

133Xe radiospirometry in prediction of ventilatory function and vital capacity after pneumonectomy in patients with an endobronchial tumour. Veneskoski T, et al. **Ann Chir Gynaecol** 1985;74(6):256–60

Pulmonary function: do your older patients measure up? Paré PD. **Geriatrics** 1985 Nov;40(11):93–8

Effects of instructions on pulmonary function values. Harm DL, et al. **J Asthma** 1985;22(6):289–94

Spirometric findings in capacitor workers occupationally exposed to polychlorinated biphenyls (PCBs). Lawton RW, et al. **J Occup Med** 1986 Jun;28(6):453–6

Review of spirometric tracings [letter] Peters JM. **J Occup Med** 1985 Sep;27(9):612–3

Spirometry reference values for nonexposed blue-collar workers. Petersen M, et al. **J Occup Med** 1985 Sep; 27(9):644–50

Flow volume spirometry as a test for postoperative airway evaluation following arytenoidectomy. Dwyer J, et al. **J Otolaryngol** 1984 Oct;13(5):312–4

Limitations of simple spirometry [letter] Gove RI, et al. **Lancet** 1986 Mar 22;1(8482):676

Spirometer use helps detect lung disease in time for treatment. Enright P. **Occup Health Saf** 1986 Apr;55(4):74–7

Spirometric "lung age" estimation for motivating smoking cessation. Morris JF, et al. **Prev Med** 1985 Sep;14(5):655–62

Quantitative assessment of the value of spirometry. Russell NJ, et al. **Thorax** 1986 May;41(5):360–3

[Active alveolar expansion for prevention of postoperative atelectasis. Functional and clinical effectiveness] Adolf J, et al. **Dtsch Med Wochenschr** 1985 Dec 13;110(50):1919–23 (Eng. Abstr.) (Ger)

[Children with early or late asthma. Evaluation of the standard spirometric parameters in the silent phase] Scotto E, et al. **Minerva Pediatr** 1985 Nov 30;37(21–22):859–64 (Eng. Abstr.) (Ita)

[Spirometry and whole-body plethysmography in deformities of the vestibule, valves and nasal septum] Rilavi R, et al. **Lijec Vjesn** 1986 Jun;108(6):248–51 (Eng. Abstr.) (Ser)

INSTRUMENTATION

BTPS correction with dynamic spirometers. Forche G, et al. **Respiration** 1986;49(4):274–9

Accuracy of an electronic spirometer—a field trial. Rode A, et al. **Respiration** 1986;50(1):66–9

[Lung function study in children] Nakajima H. **Kokyu To Junkan** 1986 Mar;34(3):257–67 (Jpn)

[Respiratory gas flowmeters unaffected by gas composition] Tsubakimoto H, et al. **Kokyu To Junkan** 1985 Oct; 33(10):1229–35 (Jpn)

[Indicator volume spirometers] Nemerovskii LI, et al. **Med Tekh** 1986 Mar–Apr;(2):23–6 (Eng. Abstr.) (Rus)

[An improved spirograph the Spiro 2–25] Gudkov AI, et al. **Voen Med Zh** 1986 Jun;(6):69–70 (Rus)

METHODS

Reference values of regional ventilation, lung volumes and perfusion assessed by using an automated multidetector 133-Xe radiospirometer. Sovijärvi AR, et al. **Ann Clin Res** 1986;18(3):160–6

Absence of benefit of incentive spirometry in low-risk patients undergoing elective cholecystectomy. A controlled randomized study. Schwieger I, et al. **Chest** 1986 May;89(5):652–6

Spectral analysis of breathing pattern in man. Siegelová J, et al. **Physiol Bohemoslov** 1985;34(4):321–31

[Spirometry and flow volume curve] Yoshida M, et al. **Kokyu To Junkan** 1986 Jan;34(1):11–8 (Jpn)

[Propedeutic aspects in the use of ergospirometry] Yazbek Júnior P, et al. **Arq Bras Cardiol** 1985 Apr;44(4):291–5 (Por)

STANDARDS

The effect of spirometry standards on two occupational cohorts [letter] Morgan WK. **Am Rev Respir Dis** 1985 Dec; 132(6):1371–2

[Determination of normal spirometry values in children and adolescents with reference to age, sex, and physical development status] Enke H, et al. **Z Gesamte Hyg** 1985 Nov;31(11):618–20 (Eng. Abstr.) (Ger)

SPIRONOLACTONE

ADMINISTRATION & DOSAGE

Combined spironolactone and converting-enzyme inhibitor therapy for refractory heart failure. Ikram H, et al. **Aust NZ J Med** 1986 Feb;16(1):61–3

Lack of effect of topical spironolactone on sebum excretion. Walton S, et al. **Br J Dermatol** 1986 Feb;114(2):261–4

Antihypertensive and hypokalemic effects of isobutyl hydrochlorothiazide alone and in combination with spironolactone. Lochaya S, et al. **J Med Assoc Thai** 1985 Aug;68(8):399–407

ADVERSE EFFECTS

Metabolic acidosis. Development in two patients receiving a potassium-sparing diuretic and total parenteral nutrition. Kushner RF, et al. **Arch Intern Med** 1986 Feb;146(2):343–5

Gynaecomastia after spironolactone and potassium canrenoate [letter] Bellati G, et al. **Lancet** 1986 Mar 15; 1(8481):626

Eosinophilia associated with spironolactone [letter] Wathen CG, et al. **Lancet** 1986 Apr 19;1(8486):919–20

[Drug-induced gynecomastia] Schirren U, et al. **Andrologia** 1986 Jan–Feb;18(1):104–7 (Eng. Abstr.) (Ger)

[Upper digestive hemorrhage caused by recurrent gastritis. Adverse effects of spironolactone (letter)] Marcos Sánchez F, et al. **Rev Clin Esp** 1985 Jul;177(3):151–2 (Spa)

[Spironolactone-induced hyperkalemic paralysis in a patient with normal liver and kidney function] Palmér M, et al. **Lakartidningen** 1985 Dec 18;82(51):4522–3 (Swe)

ANALOGS & DERIVATIVES

Evidence for an antagonist specific receptor that does not bind mineralocorticoid agonists. Lazar G, et al. **Biochem Biophys Res Commun** 1986 Jan 14;134(1):261–5

Assessment of the antimineralocorticoid effect of RU 28318 in healthy men with induced exogenous and endogenous hypermineralocorticism. Ulmann A, et al. **Eur J Clin Pharmacol** 1985;28(5):531–5

The pathologic response of the liver and thyroid of the rat to potassium prorenoate (SC-23992). Lumb GD, et al. **Toxicol Pathol** 1985;13(4):315–24

[Effects of RU 28318 on 22Na and 86Rb efflux from arterial smooth muscle] Moura AM, et al. **Nephrologie** 1985; 6(3):144 (Fre)

ANALYSIS

Simultaneous determination of althiazide and spironolactone in tablets by high-performance liquid chromatography. De Croo F, et al. **J Chromatogr** 1985 Jul 26;329(3):422–7

ISOLATION & PURIFICATION

Separation of spironolactone and its biologically active sulfur-containing metabolites by high-performance liquid chromatography. Sherry JH, et al. **J Chromatogr** 1986 Jan 10;374(1):183–90

METABOLISM

Discovery of a natural spirolactone derivative in man and animal. Genard P, et al. **Arch Int Physiol Biochim** 1985 Sep;93(3):255–6

New insights into the pharmacokinetics of spironolactone. Overdiek HW, et al. **Clin Pharmacol Ther** 1985 Oct; 38(4):469–74

Metabolism of spironolactone by adrenocortical and hepatic microsomes: relationship to cytochrome P-450 destruction. Sherry JH, et al. **J Pharmacol Exp Ther** 1986 Mar; 236(3):675–80

Spironolactone and potassium canrenoate metabolism [letter] Gardiner P. **Lancet** 1985 Dec 21–28;2(8469–70):1432

Spironolactone metabolism and gynaecomastia [letter] Overdiek JW, et al. **Lancet** 1986 May 10;1(8489):1103

[Pharmacokinetic studies and bioavailability of bendroflumethiazide in combination with spironolactone] Vergin H, et al. **Arzneimittelforschung** 1986 Mar; 36(3):490–5 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

The effect of spironolactone on the cardiocirculatory responses to upright tilt at sea level and at simulated high altitude. Fulco CS, et al. **Aviat Space Environ Med** 1986 Aug;57(8):787–91

Inactivation of rat hepatic cytochrome P-450 by spironolactone. Decker C, et al. **Biochem Biophys Res Commun** 1986 May 14;136(3):1162–9

In-vivo metabolites of spironolactone and potassium canrenoate: determination of potential anti-androgenic activity by a mouse kidney cytosol receptor assay. Armanini D, et al. **Clin Endocrinol (Oxf)** 1985 Oct; 23(4):341–7

Adrenocorticoid-dependent alpha-lactalbumin synthesis in rat mammary gland explants: antagonist studies. Quirk SJ, et al. **Clin Exp Pharmacol Physiol** 1986 Mar;13(3):233–9

In vitro digitoxin metabolism. Rate-limiting step and alteration following spironolactone pretreatment. Kershaw WC, et al. **Drug Metab Dispos** 1985 Nov–Dec;13(6):635–9

The effect of spironolactone on aromatase activity. Carr BR. **Fertil Steril** 1986 May;45(5):655–8

Comparative study of acetazolamide and spironolactone on body fluid compartments on induction to high altitude. Singh MV, et al. **Int J Biometeorol** 1986 Mar;30(1):33–41

Use of spironolactone to investigate the role of testosterone secretion during luteolysis in the goat. Homeida AM. **J Reprod Fertil** 1986 Jan;76(1):153–7

Comparative antiandrogenic potency of spironolactone and cimetidine: assessment by the chicken cockscomb topical bioassay. Hennessey JV, et al. **Proc Soc Exp Biol Med** 1986 Sep;182(4):443–7

Comparative diuretic, saluretic, kaliuretic, and prostaglandin synthetase inhibitory activities of a competitive inhibitor of prostaglandin synthetase and spironolactone. Fretland DJ, et al. **Prostaglandins Leukotrienes Med** 1985 Oct; 20(1):29–44

THERAPEUTIC USE

Spironolactone in the treatment of hirsutism. Chapman MG, et al. **Acta Obstet Gynecol Scand** 1986;65(4):349–50

The treatment of hirsutism: experience with cyproterone acetate and spironolactone. Thomas AK, et al. **Australas J Dermatol** 1985 Apr;26(1):19–24

Effect of spironolactone on acute mountain sickness. Larsen RF, et al. **Aviat Space Environ Med** 1986 Jun;57(6):543–7

Oral spironolactone: an effective treatment for acne vulgaris in women. Muhlemann MF, et al. **Br J Dermatol** 1986 Aug; 115(2):227–32

Spironolactone in combination with an oral contraceptive: an alternative treatment for hirsutism. Chapman MG, et al. **Br J Obstet Gynaecol** 1985 Sep;92(9):983–5

Spironolactone in combination with an oral contraceptive: an alternative treatment for hirsutism [letter] Guillebaud J. **Br J Obstet Gynaecol** 1986 Feb;93(2):197–8

Synergism of spironolactone and lithium in mania. Gillman MA, et al. **Br Med J [Clin Res]** 1986 Mar 8;292(6521):661–2

Treatment of hirsutism with spironolactone. Tremblay RR. **Clin Endocrinol Metab** 1986 May;15(2):363–71 (23 ref.)

The effect of spironolactone on hirsutism and female androgen metabolism. Dorrington-Ward P, et al. **Clin Endocrinol (Oxf)** 1985 Aug;23(2):161–7

Spironolactone treatment in scleroderma—a double-blind therapy study. Altmeyer P, et al. **Dermatologica** 1985; 171(5):374–5

The effects of spironolactone on adrenal steroidogenesis in hirsute women. Serafini P, et al. **Fertil Steril** 1985 Nov; 44(5):595–9

Selection criteria for drug-treated animals in two-kidney, one clip renal hypertension. Smith SH, et al. **Hypertension** 1986 Aug;8(8):700–5

Spironolactone therapy for hyperandrogenic anovulatory women—clinical and endocrinological study. Masahashi T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Jan; 38(1):95–101

A fixed-dose combination of furosemide and spironolactone in digitalized congestive heart failure patients. Yasky J, et al. **Pharmatherapeutica** 1986;4(8):473–9

The treatment of non-digitalized congestive heart failure patients with a fixed-dose combination of furosemide and spironolactone. Yasky J, et al. **Pharmatherapeutica** 1986; 4(8):480–5

[Efficacy and tolerability of enalapril compared to altizide combined with spironolactone in patients with moderate arterial hypertension] Gibelin P, et al. **Ann Cardiol Angeiol (Paris)** 1986 May;35(5):279–83 (Eng. Abstr.) (Fre)

[Spironolactone in the treatment of portal hypertension in liver cirrhosis. A new therapeutic principle?] Klein CP. **Dtsch Med Wochenschr** 1985 Nov 15;110(46):1774–6 (Eng. Abstr.) (Ger)

[State of the hypothalamo-hypophyseo-ovarian function in patients with hyperandrogenemia during treatment with spironolactone] Komarov EK, et al. **Akush Ginekol (Mosk)** 1985 Aug;(9):60–1 (Rus)

SPIROPLASMA

ANALYSIS

Highly selective extraction of spiralin from the Spiroplasma citri cell membrane with alkyl-N-sulfobetaines. Blanchard

A, et al. **Biochimie** 1985 Dec;67(12):1251–6

ENZYMOLOGY

Probable insensitivity of mollicutes to rifampin and characterization of spiroplasmal DNA-dependent RNA polymerase. Gadeau AP, et al. **J Bacteriol** 1986 Jun; 166(3):824–8

GENETICS

Gene for spiralin, the major membrane protein of the helical mollicute Spiroplasma citri: cloning and expression in Escherichia coli. Mouchès C, et al. **J Bacteriol** 1985 Dec; 164(3):1094–9

Procaryotic and eucaryotic traits of DNA methylation in spiroplasmas (mycoplasmas). Nur I, et al. **J Bacteriol** 1985 Oct;164(1):19–24

The nucleotide sequence of a tRNA gene cluster from Spiroplasma melliferum. Rogers MJ, et al. **Nucleic Acids Res** 1986 Apr 11;14(7):3145

The spiroplasma virus 4 replicative form cloned in Escherichia coli transfects spiroplasmas. Pascarel-Devilder MC, et al. **Virology** 1986 Jun;151(2):390–3

PHYSIOLOGY

[Spiroplasmas and hematophagous arthropods; prospects in tropical pathology] Chastel C, et al. **Bull Soc Pathol Exot Filiales** 1985;78(5 Pt 2):769–79 (43 ref.) (Eng. Abstr.) **(Fre)**

SPIROSTANS

PHARMACODYNAMICS

Effects of sarsaponin on digestion and passage rates in cattle fed medium to low concentrate. Goetsch AL, et al. **J Dairy Sci** 1985 Sep;68(9):2377–84

SPLANCHNIC CIRCULATION

The influence of abdominal surgery on the splanchnic exchange of amino acids. Lund J, et al. **Acta Chir Scand** 1986 Mar;152:191–7

Effect of acidification of the duodenal contents on splanchnic circulation and metabolism. Benyó I, et al. **Acta Physiol Hung** 1986;67(4):407–11

Vasomotor escape from noradrenaline in the renal, mesenteric and hindquarter vascular beds in spontaneously hypertensive rats (SHR). Wróblewski TE, et al. **Acta Physiol Pol** 1984 Jul–Aug;35(4):324–9

Postprandial hemodynamics in the conscious rat. Anzueto Hernandez L, et al. **Am J Physiol** 1986 Jul;251(1 Pt 1):G117–23

Removal of infused amino acids by splanchnic and leg tissues in humans. Gelfand RA, et al. **Am J Physiol** 1986 Apr;250(4 Pt 1):E407–13

Effects of pentobarbital sodium anesthesia on splanchnic hemodynamics of normal and portal-hypertensive rats. Lee SS, et al. **Am J Physiol** 1985 Oct;249(4 Pt 1):G528–32

Microvascular hemodynamics during systemic hemodilution and hemoconcentration. Lipowsky HH, et al. **Am J Physiol** 1986 Jun;250(6 Pt 2):H908–22

Splanchnic and renal contribution to disposal of infused epinephrine in humans. Saccà L, et al. **Am J Physiol** 1986 Sep;251(3 Pt 1):E285–9

Surgical approach and review of literature on gastroduodenal aneurysm: a case report. Taheri SA, et al. **Angiology** 1985 Dec;36(12):895–8

Amylase and gut infarction. Wilson C, et al. **Br J Surg** 1986 Mar;73(3):219–21

Inhibition of thromboxane biosynthesis in splanchnic ischemia shock. Oei HH, et al. **Circ Shock** 1986; 18(2):95–106

Maturation of circulatory system in three mammalian models of human development. Buckley NM. **Comp Biochem Physiol [A]** 1986;83(1):1–7 (99 ref.)

Splanchnic and peripheral uptake of amino acids in relation to the gut. Bergman EN. **Fed Proc** 1986 Jul;45(8):2277–82

Splanchnic and systemic hemodynamics in portal hypertensive rats during hemorrhage and blood volume restitution. Kravetz D, et al. **Gastroenterology** 1986 May; 90(5 Pt 1):1232–40

Transcutaneous Doppler ultrasound measurement of superior mesenteric artery blood flow in man. Qamar MI, et al. **Gut** 1986 Jan;27(1):100–5

Congenital feline portosystemic shunts. Berger B, et al. **J Am Vet Med Assoc** 1986 Mar 1;188(5):517–21

Hepatic glucose production and splanchnic glucose exchange in hyperthyroidism. Wennlund A, et al. **J Clin Endocrinol Metab** 1986 Jan;62(1):174–80

Splanchnic bed vascular malformations and the development of portal hypertension. Shulman RJ, et al. **J Pediatr Surg** 1986 Apr;21(4):355–7

Responses of the isolated perfused mesenteric vasculature from diabetic rats: the significance of appropriate control tissues. Longhurst PA, et al. **J Pharmacol Exp Ther** 1985 Oct;235(1):45–9

Comparison of the circulation between fed and fasted normal and portal hypertensive rats. Lebrec D, et al. **J Pharmacol Methods** 1986 Jul;15(4):359–65

Splanchnic vein measurements in patients with liver cirrhosis: a case-control study. Zoli M, et al. **J Ultrasound Med** 1985 Dec;4(12):641–6

Measurement of mesenteric blood flow by duplex scanning. Jäger K, et al. **J Vasc Surg** 1986 Mar;3(3):462–9

Echo-Doppler measurement of splanchnic blood flow in control and cirrhotic subjects. Zoli M, et al. **JCU** 1986 Jul–Aug;14(6):429–35

A comparison of micro- and macrocirculation of the isolated rat mesentery preparation. Driessen G, et al. **Microcirc Endothelium Lymphatics** 1985;2(5):551–74

Effect of diabetes on microvascular responses in mouse mesentery. Rosenblum WI, et al. **Microcirc Endothelium Lymphatics** 1985 Apr;2(2):195–205

The role of the splanchnic circulation in the regulation of total intravascular volume during alpha adrenergic receptor stimulation. Bell L, et al. **Pflugers Arch** 1986 Apr; 406(4):356–61

Effect of controlled ventilation on renal and splanchnic blood flows during severe arterial hypoxia. Crystal GJ, et al. **Proc Soc Exp Biol Med** 1986 Sep;182(4):461–7

[Intestinal blood flow in patients with liver cirrhosis—quantitative measurement of the blood flow in the superior mesenteric artery using an ultrasonic duplex system] Nakamura T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Dec;82(12):2912–6 (Eng. Abstr.) **(Jpn)**

[Hemodynamic study of the change in superior mesenteric venous blood flow in patients with portal hypertension] Nishida O, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Aug;82(8):1889–93 (Eng. Abstr.) **(Jpn)**

[Microcirculation in the mesentery of rats on a protein-free diet and parenteral feeding with nitrogen preparations in toxic hepatitis] Glants RM, et al. **Fiziol Zh** 1986 Mar-Apr; 32(2):189–92 (Eng. Abstr.) **(Rus)**

[Regional distribution of the cardiac output in the dynamics of the early postresuscitation period] Evtushenko AIa, et al. **Patol Fiziol Eksp Ter** 1985 Nov-Dec;(6):9–12 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Role of ethanol metabolism in the ethanol-induced increase in splanchnic circulation. McKaigney JP, et al. **Am J Physiol** 1986 Apr;250(4 Pt 1):G518–23

Use of selective mesenteric dilator peptides to examine the role of the intestine in experimental hemorrhagic shock. MacCannell KL, et al. **Circ Shock** 1985;17(3):195–203

The effects of steroids on splanchnic perfusion in hemorrhagic shock. Tuggle DW, et al. **Curr Surg** 1985 Sep-Oct;42(5):388–92

Effect of somatostatin on splanchnic hemodynamics in patients with liver cirrhosis and portal hypertension. Merkel C, et al. **Digestion** 1985;32(2):92–8

Human and rat alpha-CGRP but not calcitonin cause mesenteric vasodilatation in rats. Marshall I, et al. **Eur J Pharmacol** 1986 Apr 16;123(2):217–22

Use of selective mesenteric vasodilator peptides in experimental nonocclusive mesenteric ischemia in the dog. MacCannell KL, et al. **Gastroenterology** 1986 Mar; 90(3):669–76

Comparison of the short-term effects of mepindolol and propranolol on splanchnic and systemic haemodynamics in patients with cirrhosis. Braillon A, et al. **Int J Clin Pharmacol Res** 1985;5(4):223–8

Prostaglandins in diagnostic and therapeutic superior mesenteric artery pharmacoangiography. Burgener FA, et al. **Invest Radiol** 1986 Mar;21(3):210–6

Alteration in response of the portal tributary vascular bed to the beta-agonist dobutamine in rats with extrahepatic portal hypertension. Braillon A, et al. **J Hepatol** 1986; 2(2):267–75

Acute effect of propranolol on splanchnic circulation in normal and portal hypertensive rats. Calès P, et al. **J Hepatol** 1985;1(4):349–57

Direct observations of responses of mesenteric microcirculation of the rat to circulating noradrenaline. Hébert MT, et al. **J Physiol (Lond)** 1985 Nov;368:393–407

Different sensitivities of vasoconstrictor responses to serotonin and KCl of isolated and perfused dog mesenteric arteries with and without endothelia. Chiba S, et al. **Jpn J Pharmacol** 1985 Oct;39(2):271–3

Vasodilator effect of indapamide in dog mesenteric vasculature. Miyazaki M, et al. **Jpn J Pharmacol** 1985 Nov; 39(3):402–5

Potentiation of histamine-induced microvascular permeability by prostaglandin E2 in rat mesentery. Ohya Y, et al. **Microcirc Endothelium Lymphatics** 1985 Jun; 2(3):331–48

[Effects of glypressin on the splanchnic and systemic circulation in patients with cirrhosis] Valla D, et al. **Gastroenterol Clin Biol** 1985 Dec;9(12):877–80 (Eng. Abstr.) **(Fre)**

[Morphology of the mesenteric microcirculation in rats after intraperitoneal administration of Hemodex, Rheohem and Vetadex] Mladenović V. **Vojnosanit Pregl** 1985 Sep-Oct; 42(5):323–7 (Eng. Abstr.) **(Ser)**

SPLANCHNIC NERVES

ANATOMY & HISTOLOGY

Constitution of the greater splanchnic nerve in the rat. Isomura G, et al. **Anat Anz** 1985;159(1–5):159–71

The central projections of primary afferent neurons of greater splanchnic and intercostal nerves in the rat. A horseradish peroxidase study. Neuhuber WL, et al. **Anat Embryol (Berl)** 1986;174(1):123–44

CYTOLOGY

The afferent and sympathetic components of the lumbar spinal outflow to the colon and pelvic organs in the cat. II. The lumbar splanchnic nerves. Baron R, et al. **J Comp Neurol** 1985 Aug 8;238(2):147–57

Identification of distinct topographical distributions of lumbar sympathetic and sensory neurons projecting to end organs with different functions in the cat. Jänig W, et al. **J Comp Neurol** 1986 Apr 1;246(1):104–12

Separate populations of primary sensory neurons project to the splanchnic nerve and thoracic spinal nerve rami of the rat. A fluorescent double labelling study. Dalsgaard CJ, et al. **Med Biol** 1985;63(2):88–91

[Electrophysiologic and histochemical characteristics of the fiber composition of the subdiaphragmatic portion of the vagus nerves] Itina LV, et al. **Fiziol Zh SSSR** 1985 Oct; 71(10):1200–6 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The kinetics of adrenal catecholamine secretion elicited by splanchnic nerve stimulation or by Ach is consistent with non-exocytotic, multivesicular release on cation exchange basis. Uvnäs B, et al. **Acta Physiol Scand** 1985 Mar; 123(3):249–59

The splanchnic nerve and food intake regulation. Deutsch JA, et al. **Behav Neural Biol** 1986 Jan;45(1):43–7

Role of the splanchnic nerves in endocrine and metabolic response to abdominal surgery. Shirasaka C, et al. **Br J Surg** 1986 Feb;73(2):142–5

Locus coeruleus neurons and sympathetic nerves: activation by visceral afferents. Elam M, et al. **Brain Res** 1986 Jun 4;375(1):117–25

Periaqueductal gray inhibition of visceral-somatic and galvanic skin reflexes. Sonoda H, et al. **Brain Res** 1986 Mar 26;369(1–2):91–102

Sensation in the gastrointestinal tract. Ewart WR. **Comp Biochem Physiol [A]** 1985;82(3):489–93

Secondary functional properties of lumbar visceral preganglionic neurons. Bahr R, et al. **J Auton Nerv Syst** 1986 Feb;15(2):141–52

Functional characterization of preganglionic neurons projecting in the lumbar splanchnic nerves: neurons regulating motility. Bahr R, et al. **J Auton Nerv Syst** 1986 Feb;15(2):109–30

Functional characterization of preganglionic neurons projecting in the lumbar splanchnic nerves: vasoconstrictor neurons. Bahr R, et al. **J Auton Nerv Syst** 1986 Feb; 15(2):131–40

Discharge patterns of motility-regulating neurons projecting in the lumbar splanchnic nerves to visceral stimuli in spinal cats. Bartel B, et al. **J Auton Nerv Syst** 1986 Feb; 15(2):153–63

Response of splanchnic-driven neurons to substance P and eledoisin-related peptide. Felpel LP, et al. **J Auton Nerv Syst** 1986 Mar;15(3):269–74

Reflex activation of the lower oesophageal sphincter in the cat induced by stimulation of the splanchnic afferent fibres. Niel JP. **J Auton Nerv Syst** 1986 Jul;16(3):211–8

Reflex control of the gastric motility by the vagus and splanchnic nerves in the guinea pig in vivo. Ohta T, et al. **J Auton Nerv Syst** 1985 Oct;14(2):137–49

Reduced adrenal cortical sensitivity to ACTH in lambs with cut splanchnic nerves. Edwards AV, et al. **J Endocrinol** 1986 Jul;110(1):81–5

Nervous control of the blood pressure in the Atlantic cod, Gadus morhua. Smith DG, et al. **J Exp Biol** 1985 Jul; 117:335–47

Splanchnic nerve transection abolishes the age-dependent increase of neuropeptide Y-like immunoreactivity in rat adrenal gland. Higuchi H, et al. **J Neurochem** 1986 May; 46(5):1658–60

Alpha-1 adrenoceptors mediate splanchnic nerve inhibition of pentagastrin-induced gastric acid secretion and mucosal blood flow in rats. Yokotani K, et al. **J Pharmacol Exp Ther** 1986 Mar;236(3):743–7

Lack of direct splanchnic nerve inhibitory effects on histamine-induced gastric acid secretion in rats. Yokotani K, et al. **J Pharmacol Exp Ther** 1986 Mar;236(3):770–5

Facilitation of transmitter action on catecholamine output by cardiac glycoside in perfused adrenal gland of guinea-pig. Nakazato Y, et al. **J Physiol (Lond)** 1986 May; 374:475–91

Chromatographic and immunochemical characterization of neurotensin in cat adrenal gland and its release during splanchnic nerve stimulation. Ferris CF, et al. **Neuroendocrinology** 1986;43(3):352–8

[The effect of electroacupuncture on single bulbar reticular cells and behavior responses induced by the splanchnic nociceptive stimulation in conscious cats] Fei RW, et al. **Chen Tzu Yen Chiu** 1985;10(4):259–62 (Eng. Abstr.) **(Chi)**

[The relationship between A-fiber afferent impulse of the splanchnic nerve and evoked discharges of the posterior nucleus (PO) in the thalamus of the cat] Sun LH, et al. **Chen Tzu Yen Chiu** 1985;10(3):184–8 (Eng. Abstr.) **(Chi)**

[Effects of electroacupuncture and morphine on hippocampal potentials evoked by noxious stimulation of the splanchnic

nerve in cats] Teng HB, et al. **Sheng Li Hsueh Pao** 1985 Oct;37(5):471–8 (Eng. Abstr.) **(Chi)**

[Effects of stimulation of afferent fibers of the gastric branch of the vagus nerve after vagotomy and anemia of the brain] Itina LV, et al. **Fiziol Zh SSSR** 1986 Mar;72(3):337–43 (Eng. Abstr.) **(Rus)**

[Mechanism of stimulation of the motor activity of the stomach by the greater splanchnic nerve] Smironov VM, et al. **Fiziol Zh SSSR** 1986 May;72(5):650–5 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Ontogeny of adrenomedullary responses to hypoxia and hypoglycemia: role of splanchnic innervation. Seidler FJ, et al. **Brain Res Bull** 1986 Jan;16(1):11–4

The role of sensory fibres in the rat splanchnic nerve in the regulation of adrenal medullary secretion during stress. Khalil Z, et al. **J Physiol (Lond)** 1986 Jan;370:201–15

Neural control of sympathetic nerve response to cardiogenic hypotension in anesthetized cat. Koyama S. **Jpn J Physiol** 1985;35(3):513–23

SURGERY

Trophic and antitrophic circuits controlling pancreatic weight in the rat. Tiscornia OM, et al. **Mt Sinai J Med (NY)** 1986 May;53(5):343–55

[Splanchnicectomy using the Dubois transhiatal approach. Current technical modifications] Carabalona B, et al. **J Chir (Paris)** 1986 Mar;123(3):204–6 (Eng. Abstr.) **(Fre)**

[Bilateral splanchnicectomy according to the Dubois method in pain caused by chronic pancreatitis and by inoperable neoplasms of the pancreas] Forni E, et al. **Chir Ital** 1984 Oct;36(5):827–30 (Eng. Abstr.) **(Ita)**

SPLEEN

Right atrial spleen. Kuijer P, et al. **Br Heart J** 1985 Sep; 54(3):337–9

Scintigraphic demonstration of splenosis. Stewart CA, et al. **Clin Nucl Med** 1986 Mar;11(3):161–4

Abdominal splenosis mimicking abdominal carcinomatosis. Neri A, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Mar; 21(3):177–9

Thrombocytopenia due to splenosis in Gaucher's disease 36 years after splenectomy. Mittelman M, et al. **Haematologica (Pavia)** 1985 May–Jun;70(3):261–2

Evaluation of a patient with splenosis by various imaging modalities. Chung SY, et al. **J Natl Med Assoc** 1986 May; 78(5):458–9, 463

Simultaneous intrathoracic and peritoneal splenosis with spontaneous regression of intrathoracic splenosis. Ashour M, et al. **J R Coll Surg Edinb** 1985 Aug;30(4):261–3

Pitfalls of gastrointestinal bleeding studies with 99mTc sulfur-colloid. Lecklitner ML. **Semin Nucl Med** 1986 Apr; 16(2):155–6

Comparison of splenic and renal subcapsular islet autografting in dogs. Hesse UJ, et al. **Transplantation** 1986 Feb;41(2):271–4

Heterotopic autologous splenic grafts in rat. Morphological studies. Moore MT, et al. **Virchows Arch [A]** 1986; 409(5):693–704

[Occlusive syndrome, ectopic spleen and malaria. Apropos of a case report] Mukendi MP. **Acta Chir Belg** 1985 Jul–Aug;85(4):217–8 (Eng. Abstr.) **(Fre)**

[Diagnostic value of echographic results in accessory spleens] Lorenzini F, et al. **Radiol Med (Torino)** 1985 Jun; 71(6):422–5 (Eng. Abstr.) **(Ita)**

[Reaction of hematopoietic tissue to the administration of an antileukemic substance isolated from splenic tissue] Svirnovskiĭ AI, et al. **Gematol Transfuziol** 1985 Oct; 30(10):34–7 (Eng. Abstr.) **(Rus)**

[Sorption detoxication by xenogeneic spleen in staphylococcal lesions in an experiment] Safarov SF, et al. **Patol Fiziol Eksp Ter** 1985 Nov–Dec;(6):34–9 (Eng. Abstr.) **(Rus)**

[Aberrant spleen simulating a tumor of the abdominal cavity] Lifshits IuZ, et al. **Vrach Delo** 1985 Oct;(10):33 **(Rus)**

ABNORMALITIES

Congenital spleen thinning mimicking a space-occupying lesion. McCullough RW, et al. **Clin Nucl Med** 1986 Apr; 11(4):262–3

Fatal pneumococcal septicaemia in an adult with a congenitally small (11.2 gm) spleen. Silverstein DM, et al. **East Afr Med J** 1985 Aug;62(8):603–5

The spectrum of splenogonadal fusion. Case report and review of 84 reported cases. Gouw AS, et al. **Eur J Pediatr** 1985 Nov;144(4):316–23

Situs inversus abdominus with intestinal atresia. Kishan J, et al. **Indian Pediatr** 1985 May;22(5):384–7

Gastric volvulus in three children with asplenic syndrome. Aoyama K, et al. **J Pediatr Surg** 1986 Apr;21(4):307–10

Asplenia syndrome complicated by purulent pericarditis [letter] Kim KM, et al. **Pediatr Cardiol** 1985;6(2):114–5

Anastomosis of systemic veins to pulmonary arteries for physiologic repair of asplenia syndrome. Waldman JD, et al. **Pediatr Cardiol** 1986;6(6):327–30

Polysplenia and reversed rotation of the midgut. Venugopal S, et al. **West Indian Med J** 1985 Sep;34(3):194–7

[Case of splenogonadal fusion with genital malformation] Heloury Y, et al. **Chir Pediatr** 1986;27(1):60–2 (Eng. Abstr.) **(Fre)**

[The clinical spectrum of wandering spleen] Weisbord A, et al. **Harefuah** 1985 Dec 15;109(12):396–7 (Eng. Abstr.) **(Heb)**

[Accessory spleen simulating abdominal tumor] Kiss Z, et al. **Orv Hetil** 1985 Nov 3;126(44):2723–5 (Eng. Abstr.) **(Hun)**

[Ivemark syndrome. Early diagnosis and favorable results of cardiosurgical treatment] Scribanis R, et al. **Minerva Pediatr** 1986 Mar 31;38(5–6):171–5 (Eng. Abstr.) **(Ita)**

[Clinical diagnosis of the asplenia syndrome and polysplenia syndrome by abdominal CT examination] Shinohara T, et al. **Rinsho Hoshasen** 1986 Jan;31(1):65–70 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Need for proper controls for touch imprints of spleens [letter] van Krieken JM, et al. **Am J Clin Pathol** 1986 May; 85(5):648–9

The distribution of iron and iron binding proteins in spleen with reference to Hodgkin's disease. Britten KJ, et al. **Br J Cancer** 1986 Aug;54(2):277–86

Amyloid enhancing factor in hamster. Hol PR, et al. **Br J Exp Pathol** 1985 Dec;66(6):689–97

Spleen cell factor inhibits lymphoproliferation, abnormal Ia expression and overt autoimmunity in MRL-lpr mice. Kelley VE, et al. **Clin Immunol Immunopathol** 1986 Oct; 41(1):145–53

Primary structure and antiproteolytic activity of a Kunitz-type inhibitor from bovine spleen. Fioretti E, et al. **J Biol Chem** 1985 Sep 25;260(21):11451–5

The primary structure of human tissue amyloid P component from a patient with primary idiopathic amyloidosis. Prelli F, et al. **J Biol Chem** 1985 Oct 25;260(24):12895–8

Characterization of erythropoietin-like activity from mouse spleen cells. Fagg B, et al. **J Cell Physiol** 1986 Jan; 126(1):1–9

Structure and composition of ferritin cores isolated from human spleen, limpet (Patella vulgata) hemolymph and bacterial (Pseudomonas aeruginosa) cells. Mann S, et al. **J Mol Biol** 1986 Mar 20;188(2):225–32

[3H]leukotriene B4 binding to the guinea-pig spleen membrane preparation: a rich tissue source for a high-affinity leukotriene B4 receptor site. Cheng JB, et al. **J Pharmacol Exp Ther** 1986 Jan;236(1):126–32

Action of a water soluble splenic material on anaesthetized rat blood pressure. Gandarias JM, et al. **Rev Esp Fisiol** 1986 Jun;42(2):239–43

[Tissue lead content in perinatal mortality] Kollmeier H, et al. **Pathologe** 1985 Sep;6(5):271–3 **(Ger)**

[Lipid composition of immunocompetent organs of tumor-bearing rats] Burkhanov SA, et al. **Biokhimiia** 1986 Jun;51(6):970–3 (Eng. Abstr.) **(Rus)**

[Effect of glucocorticoid hormones on the antigen-induced response of the cyclase systems of splenic cells in the rat and mouse] Lesnikova MP, et al. **Fiziol Zh SSSR** 1986 Feb; 72(2):214–20 (Eng. Abstr.) **(Rus)**

[Physiological properties of a protein factor isolated from the splenic tissue of the rat] Liapina LA, et al. **Fiziol Zh SSSR** 1985 Jul;71(7):916–20 (Eng. Abstr.) **(Rus)**

[Effects of a water-soluble spleen extract on hemostasis] de Gandarias JM, et al. **Arch Farmacol Toxicol** 1985 Dec; 11(3):205–10 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

Marginal zone bridging channels as a pathway for migrating macrophages from the red towards the white pulp in the rat spleen. Kotani M, et al. **Acta Anat (Basel)** 1986; 126(3):193–8

Observations on rat spleen reticulum during the development of syngeneic hepatocellular implants. Darby H, et al. **Br J Exp Pathol** 1986 Jun;67(3):329–39

Seasonal changes in the thymus and spleen of the turtle, Mauremys caspica. A morphometrical, light microscopical study. Leceta J, et al. **Dev Comp Immunol** 1985 Fall; 9(4):653–68 (59 ref.)

Basement membrane proteins in the spleen: immunohistochemical demonstration and relation to reticulin. Apaja-Sarkkinen M, et al. **Histopathology** 1986 Mar;10(3):295–302

Pseudo perisplenic "fluid collections": a clue to normal liver and spleen echogenic texture. Li DK, et al. **J Ultrasound Med** 1986 Jul;5(7):397–400

Ferromagnetic particles as contrast agents for magnetic resonance imaging of liver and spleen. Mendonca Dias MH, et al. **Magn Reson Med** 1986 Apr;3(2):328–30

[The effects of artemether on serum IgG and spleen weight in mice] Lin PY, et al. **Yao Hsueh Hsueh Pao** 1985 Mar; 20(3):211–3 (Eng. Abstr.) **(Chi)**

[Functional anatomy of the human spleen] Pabst R. **Aktuel Probl Chir Orthop** 1985;30:8–14 **(Ger)**

[Computerized tomography studies of normal morphology and volumetry of parenchymatous epigastric organs in humans] Schulz HG, et al. **Anat Anz** 1986;162(1):1–12 (Eng. Abstr.) **(Ger)**

[Need for new anatomic terminology in spleen anatomy] Vobořil Z. **Anat Anz** 1985;160(1):55–7 (Eng. Abstr.) **(Ger)**

[Sonographic determination of spleen size: normal dimensions in adults with a healthy spleen] Frank K, et al. **Ultraschall Med** 1986 Jun;7(3):134–7 (Eng. Abstr.) **(Ger)**

[An anatomical study on the spleen of archaic fish. 2. Brachiopterygii and chondrostei] Tanaka Y. **Nippon Ketsueki Gakkai Zasshi** 1985 Aug;48(5):1131–44 (Eng. Abstr.) **(Jpn)**

[An anatomical study on the spleen of archaic fish. 3. Lepidostei] Tanaka Y. **Nippon Ketsueki Gakkai Zasshi** 1985 Aug;48(5):1145–53 (Eng. Abstr.) **(Jpn)**

[Anatomy and topography of the spleen in children] Inakov AK. **Arkh Anat Gistol Embriol** 1985 Jul;89(7):54–7 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Systematisation of the arteries in the splenic hilus. Vandamme JP, et al. **Acta Anat (Basel)** 1986;125(4):217–24

NPY—a mediator of reserpine-resistant, non-adrenergic vasoconstriction in cat spleen after preganglionic denervation? Lundberg JM, et al. **Acta Physiol Scand** 1986 Jan;126(1):151–2

Angiotensin II infusion during beta-adrenergic stimulation by isoproterenol. Effects on hepatic, splenic and cardiac blood volumes and on the magnitude and distribution of cardiac output in the dog. Stokland O, et al. **Acta Physiol Scand** 1986 Jul;127(3):387–94

Venous segmentation of the human spleen. A corrosion cast study. Dawson DL, et al. **Am Surg** 1986 May;52(5):253–6

Scanning electron microscopical studies of the arterial terminals in the red pulp of the rat spleen. Satodate R, et al. **Anat Rec** 1986 Jul;215(3):214–6

Labyrinthine structure of arterial terminals in the human spleen, with special reference to "closed circulation." A scanning electron microscope study. Kashimura M. **Arch Histol Jpn** 1985 Jul;48(3):279–91

A comparison of portal versus systemic venous drainage in murine foetal pancreatic islet transplantation. Cuthbertson RA, et al. **Aust J Exp Biol Med Sci** 1986 Apr;64 (Pt 2):175–84

Splenic haemodynamics and portal hypertension in patients with liver cirrhosis and spleen enlargement. Merkel C, et al. **Clin Physiol** 1985 Dec;5(6):531–9

Morphological bases of splenic circulation in congestive splenomegaly. Re G, et al. **Haematologica (Pavia)** 1985 Jul–Aug;70(4):283–90

Splenic arteriolar hyalin in children. Lindley RP. **J Pathol** 1986 Apr;148(4):321–5

Morphology of the human and dog spleen with special reference to intrasplenic microcirculation. Takubo K, et al. **Jpn J Surg** 1986 Jan;16(1):29–35

The effects of thromboxane antagonism on the transit time of platelets through the spleen. Peters AM, et al. **Thromb Haemost** 1985 Aug 30;54(2):495–7

[Splenic circulation in various diseases of the blood system] Klimanskiĭ VA, et al. **Gematol Transfuziol** 1985 Jul; 30(7):33–7 (Eng. Abstr.) **(Rus)**

[Development of the endothelium of the blood vessels of the hemopoietic organs during the prenatal period of human morphogenesis] Bobrik II, et al. **Vrach Delo** 1986 Apr;(4):17–20 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Constant number of immunoglobin G positive plasma cells around the penicilli in murine spleen with increasing age. Shimizu K, et al. **Acta Anat (Basel)** 1985;124(1–2):47–9

Augmentation of natural killer activity by neuraminidase treatment of lymphocytes from tumor-bearing mice. Ono M, et al. **Acta Med Okayama** 1986 Feb;40(1):45–53

In vitro blastogenic response and immunoglobulin synthesis in murine spleen cells stimulated with lipopolysaccharides from Campylobacter jejuni and Campylobacter coli. Naess V. **Acta Pathol Microbiol Immunol Scand [C]** 1985 Oct; 93(5):211–6

Cellular characteristics of the rosette forming cells in the mouse spleen. Chung HT, et al. **Adv Exp Med Biol** 1985; 186:477–86

The ontogenetic development of the follicular dendritic cell in rat spleen. Dijkstra CD, et al. **Adv Exp Med Biol** 1985; 186:161–6

The bursa of Fabricius as a trapping mechanism for environmental antigens. Ekino S, et al. **Adv Exp Med Biol** 1985;186:487–93

Origin and turnover of follicular dendritic cells and marginal zone macrophages in the mouse spleen. Humphrey JH, et al. **Adv Exp Med Biol** 1985;186:167–70

Antibody responses to T-dependent antigens: contributions of dendritic cells and helper T lymphocytes. Inaba K, et al. **Adv Exp Med Biol** 1985;186:369–76

The influence of complement receptors on the localization of lymphocytes in vivo. Kraal G, et al. **Adv Exp Med Biol** 1985;186:603–8

T-lymphocytes in rat lymphoid follicles are a subset of T helper cells. Kroese FG, et al. **Adv Exp Med Biol** 1985; 186:443–9

Comparative analysis of the development of B cells in marginal zones and follicles. MacLennan IC, et al. **Adv Exp Med Biol** 1985;186:139–44

Macrophages migrate from the marginal zone into the germinal centre of the rodent spleen. Matsuno K, et al. **Adv Exp Med Biol** 1985;186:421–6

Evidence for a clonal development of specific antibody forming cells in the spleen. van Rooijen N, et al.

Adv Exp Med Biol 1985;186:457–62
Thymus-dependent increase in splenic T cell population in postpartum mice. Yokoyama M, et al.
Am J Reprod Immunol Microbiol 1986 Apr;10(4):143–50
Stem cell proliferation and 125IdUrd incorporation into spleen and whole skeletal tissue. Inoue T, et al.
Ann NY Acad Sci 1985;459:162–78
Influence of six antifungal agents on the chemiluminescence response of mouse spleen cells. Abruzzo GK, et al.
Antimicrob Agents Chemother 1986 Apr;29(4):602–7
The influence of isoprinosine (ISO) on some cell immunity parameters in mice infected with influenza viruses and in mixed viral–bacterial infections. I. The release of the migration inhibiting factor from spleen leukocytes. Białek J, et al. Arch Immunol Ther Exp (Warsz) 1985;33(6):735–9
Affinity chromatography purification and partial characterization of phytohemagglutinin–receptor glycoproteins from porcine splenic lymphocytes. Dupuis G, et al. Can J Biochem Cell Biol 1985 Sep;63(9):932–40
Splenocytes from tumor-bearing Corynebacterium parvum treated mice maintain interleukin-2 and -3 activity. Roberson AM, et al. Cancer Immunol Immunother 1986; 22(1):49–55
Analysis of B-cell subpopulations. I. Relationships among splenic xid, Ly 1+, and Lyb 5+ B cells. Smith HR, et al. Cell Immunol 1985 Apr 15;92(1):190–6
The sensitivity of G0-state haemopoietic spleen colony-forming cells to a stimulus for proliferation. Lord BI. Cell Tissue Kinet 1986 May;19(3):305–10
Histological changes in spleen and lymph nodes of mice administered cyclophosphamide and levan. Siegal A, et al. Cell Tissue Res 1986;245(1):183–8
Differential localization of ferritin and ferritin immune complexes in the spleen: influence of the charge of ferritin. Genin C, et al. Clin Immunol Immunopathol 1986 Jun; 39(3):504–13
Transfer of autoimmune diabetes mellitus with splenocytes from nonobese diabetic (NOD) mice. Wicker LS, et al. Diabetes 1986 Aug;35(8):855–60
Characterization of a cycling murine pluripotent stem cell population. Nijhof W, et al. Eur J Cell Biol 1985 Nov; 39(1):136–41
Influence of carriers on the development and localization of anti-2,4,6-trinitrophenyl (TNP) antibody-forming cells in the murine spleen. II. Suppressed antibody response to TNP–Ficoll after elimination of marginal zone cells. Claassen E, et al. Eur J Immunol 1986 May;16(5):492–7
Evidence for a T suppressor cell–inducing antigenic determinant shared by ADJ–PC–5 plasmacytoma and syngeneic BALB/c spleen cells. Kloke O, et al.
Eur J Immunol 1986 Jun;16(6):659–64
Effect of surface antigen labeling on spleen colony formation: comparison of the indirect immunofluorescence and the biotin–avidin methods. Bauman JG, et al. Exp Hematol 1985 Sep;13(8):760–7
Multiparameter analysis of transplantable hemopoietic stem cells: I. The separation and enrichment of stem cells homing to marrow and spleen on the basis of rhodamine–123 fluorescence. Bertoncello I, et al. Exp Hematol 1985 Nov; 13(10):999–1006
Homing of a cloned multipotential stem cell line in spleen and intraperitoneal membrane. Hardy CL, et al.
Exp Hematol 1986 Aug;14(7):636–42
Rat colony-forming unit spleen is OX7 positive, W3/13 positive, OX1 positive, and OX22 negative. McCarthy KF, et al. Exp Hematol 1985 Oct;13(9):847–54
Heterogeneity within the spleen colony-forming cell population in rat bone marrow. Martens AC, et al.
Exp Hematol 1986 Sep;14(8):714–8
Development of spleen CFU-S colonies from day 8 to day 11: relationship to self-renewal capacity. Molineux G, et al. Exp Hematol 1986 Sep;14(8):710–3
The relative spatial distribution of CFU-S in the mouse spleen. Ploemacher RE, et al. Exp Hematol 1985 Nov; 13(10):1068–72
A technique for the daily examination of spleen colonies in mice. Priestley GV, et al. Exp Hematol 1985 Sep; 13(8):733–5
Fraction of pluripotent hemopoietic stem cells in DNA synthesis varies with generation age. Shibagaki T, et al. Exp Hematol 1986 Sep;14(8):794–7
Kinetics of early and late spleen colony development. Wolf NS, et al. Exp Hematol 1986 Aug;14(7):676–82
Characteristics of hemopoietic stem cells determined by single spleen colony transplantation. Wu CT, et al.
Exp Hematol 1986 May;14(4):307–11
Changes in the number of haemopoietic stem cells (CFUs) in bone marrow and spleens of pregnant rats after a short space flight onboard the Cosmos-1514 biosatellite. Vacek A, et al. Folia Biol (Praha) 1985;31(5):361–5
In vivo effects of LPS on B lymphocyte subpopulations. Migration of marginal zone–lymphocytes and IgD–blast formation in the mouse spleen. Groeneveld PH, et al.
Immunobiology 1985 Dec;170(5):402–11
Thymus cell migration in a prostaglandin–mediated system. Koga Y, et al. Immunobiology 1985 Jul;169(5):486–502
Strain differences in the response of normal murine spleen cells to interleukin-2 (IL-2). Dowjat WK, et al.
Immunol Invest 1985 Dec;14(6):493–501
Marginal metallophilic cells of the mouse spleen identified by a monoclonal antibody. Kraal G, et al. Immunology 1986 Aug;58(4):665–9
Appearance of mast cells in bone marrow, peripheral blood and spleen of immunized rats. Ahlstedt S, et al.
Int Arch Allergy Appl Immunol 1986;80(2):122–6
Polyclonal activation of guinea pig spleen lymphocytes. Neveu PJ, et al. Int Arch Allergy Appl Immunol 1985; 78(4):401–5
Comparative studies on the characteristics of proliferation and differentiation of spleen colony-forming cells. Wu CT, et al. Int J Cell Cloning 1985 Nov;3(6):388–98
The effect of section thickness and embedding media on the observed S-phase labelling index of artificially selected cell populations from neonatal mouse liver and spleen. Monkhouse WS. J Anat 1985 Aug;141:201–9
In vivo administration of lymphocyte-specific monoclonal antibodies in nonhuman primates. Delivery of ribosome–inactivating proteins to spleen and lymph node T cells. Letvin NL, et al. J Clin Invest 1986 Sep; 78(3):666–73
Pro-opiomelanocortin messenger ribonucleic acid and posttranslational processing of beta endorphin in spleen macrophages. Lolait SJ, et al. J Clin Invest 1986 Jun; 77(6):1776–9
Spleen cell transfusion in the Bio-Breeding/Worcester rat. Prevention of diabetes, major histocompatibility complex restriction, and long-term persistence of transfused cells. Rossini AA, et al. J Clin Invest 1986 Apr;77(4):1399–401
In vivo treatment with anti-I-A antibodies: differential effects on Ia antigens and antigen-presenting cell function of spleen cells and epidermal Langerhans cells. Aberer W, et al. J Immunol 1986 Feb 1;136(3):830–6
Leu-1+ (CD5+) B cells. A major lymphoid subpopulation in human fetal spleen: phenotypic and functional studies. Antin JH, et al. J Immunol 1986 Jan;136(2):505–10
Organ-associated macrophage precursor activity: isolation of candidacidal and tumoricidal effectors from the spleens of cyclophosphamide-treated mice. Baccarini M, et al.
J Immunol 1986 Feb 1;136(3):837–43
Origin of autoreactive T helper cells. I. Characterization of Thy-1+, Lyt-, L3T4- precursors in the spleen of normal mice. de Talance A, et al. J Immunol 1986 Aug 15; 137(4):1101–8
Murine leukemic cells inhibit IL 2 production by susceptible syngeneic splenocytes. Jenski LJ, et al. J Immunol 1985 Nov;135(5):3178–83
Antigen presentation by splenic B cells: resting B cells are ineffective, whereas activated B cells are effective accessory cells for T cell responses. Krieger JI, et al.
J Immunol 1985 Nov;135(5):2937–45
The differential ability of splenic adherent cells from B6.lpr mice to induce suppressor T cells. Noma T, et al.
J Immunol 1986 Jun 1;136(11):3987–93
Analysis of splenic lymphocytes with high electrophoretic mobility in adult and aged nude mice. Shimizu M, et al.
J Immunol Methods 1985 Nov 28;84(1–2):95–103
Effect of exchange transfusion with Fluosol DA 20% on splenic distribution and immunocompetence of rat lymphocytes. Hodges GR, et al. J Leukocyte Biol 1986 Feb;39(2):141–51
Bacteroides gingivalis activates mouse spleen cells to produce a factor that stimulates resorptive activity of osteoclasts in vitro. Bom-van Noorloos AA, et al. J Periodont Res 1986 Jul;21(4):440–4
Immunological studies of herpetic keratitis: induction of cytotoxic T lymphocytes in mouse splenocytes. Hirakawa Y, et al. Jpn J Ophthalmol 1985;29(3):241–9
Stress and immune responses. II. Identification of stress-sensitive cells in murine spleen cells. Okimura T, et al. Jpn J Pharmacol 1986 Apr;40(4):513–25
Improved hybridoma technology: spleen cell separation and soluble growth factors. van Mourik P, et al.
Methods Enzymol 1986;121:174–82
Evaluation of lymphocytes' influence in luminol-dependent chemiluminescence emission of mouse spleen cells. Müller S, et al. Methods Find Exp Clin Pharmacol 1986 May; 8(5):253–63
Mononuclear phagocyte colony formation of human spleen cells in liquid culture. Kojima T, et al.
Microbiol Immunol 1985;29(8):725–35
Colony-stimulating activity in cultures of human spleen and bone marrow cells. Kojima T, et al. Nagoya J Med Sci 1986 Mar;48(1–4):1–10
Murine NK cell heterogeneity: subpopulations of C57BL/6 splenic NK cells detected by NK-1.1 and NK-2.1 antisera. Emmons SL, et al. Nat Immun Cell Growth Regul 1985; 4(4):169–77
Decreased natural killer-type activity of spleen cells against immature thymocytes in autoimmune strains of mice. Granberg SC, et al. Nat Immun Cell Growth Regul 1985; 4(4):178–83
Natural killer-type lysis of thymocytes from young mice by normal spleen cells in vitro. Granberg SC, et al.
Nat Immun Cell Growth Regul 1985;4(4):184–92
Effects of endogenous and exogenous opioids on splenic natural killer cell activity. Kraut RP, et al.
Nat Immun Cell Growth Regul 1986;5(1):28–40
The role of cell surface ligands on lymphocyte migration: studies on murine spleen lymphocytes and thymocytes. Park YH, et al. Nippon Ketsueki Gakkai Zasshi 1985 Sep; 48(6):1440–50
DNA flow cytometry of cells obtained from old paraffin-embedded specimens. A comparison with results of scanning absorption cytometry (a methodological study). Fossa SD, et al. Pathol Res Pract 1986 May;181(2):200–5
The effect of Bacillus natto on the T and B lymphocytes from spleens of feeding chickens. Inooka S, et al.
Poult Sci 1986 Jun;65(6):1217–9
Dendritic cells of the chicken spleen are capable in vivo of giant cell formation. Olah I, et al. Poult Sci 1985 Dec; 64(12):2394–6
Differentiation-inducing factor purified from conditioned medium of mitogen-treated spleen cell cultures stimulates bone resorption. Abe E, et al. Proc Natl Acad Sci USA 1986 Aug;83(16):5958–62
Protection of athymic (Nu/Nu) BALB/c mice against Plasmodium berghei by splenocytes from normal (Nu/+) BALB/c mice. Ferraroni JJ, et al.
Rev Inst Med Trop Sao Paulo 1985 Nov–Dec;27(6):303–11
Functional analysis of pokeweed mitogen–dependent cell interactions in murine spleen cells. I. Lack of B-cell mitogenicity and low frequency of effector helper T cells. Bandeira A, et al. Scand J Immunol 1985 Sep;22(3):321–8
Detection of cell-mediated lympholysis determinants encoded by the I-A and I-E genes on ultraviolet-irradiated spleen cells. Beretta A, et al. Scand J Immunol 1985 Sep; 22(3):267–71
Naturally occurring, spleen-associated suppressor activity of the newborn mouse. Biochemical and functional identification of three monokines secreted by newborn suppressor–inducer monocytes. Jadus MR, et al.
Scand J Immunol 1986 Jan;23(1):35–44
Increased numbers of spleen colony forming units in B cell deficient CBA/N mice. Wiktor-Jedrzejczak W, et al.
Strahlenther Onkol 1986 Jun;162(6):387–90
Regulatory influence of thymopentin on splenic T cell sets of thymectomized and aged mice. Newcomb EW, et al.
Transplantation 1985 Nov;40(5):520–7
The induction of immunologic tolerance in newborn mice by spleen cells differing in H-2K or H-2D, but not "I-J," genotype. Pike BL, et al. Transplantation 1985 Oct; 40(4):412–7
The graft–versus–host reaction and immune function. IV. B cell functional defect associated with a depletion of splenic colony-forming units in marrow of graft–versus–host–reactive mice. Seddik M, et al.
Transplantation 1986 Feb;41(2):242–7
Donor-type MHC-positive cells in the host spleen after rat organ transplantation. Differences between pancreas and heart allograft recipients. Steiniger B, et al.
Transplantation 1986 Jun;41(6):787–9
Motility of splenic cells from normal and fibrosarcoma-bearing mice in agarose assay. Aroskar VS, et al. Tumori 1986 Jun 30;72(3):225–9
Distribution of blood-borne particles of two different sizes in rat spleens. Satodate R, et al.
Virchows Arch [Cell Pathol] 1986;51(2):97–105
[Discussion on factors influencing in vitro spleen cell sensitization by cancer cells] Shao RP.
Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao 1986 Feb; 8(1):64–6 (Eng. Abstr.) (Chi)
[Significance of the spleen in the formation and recirculation of lymphocytes] Pabst R. Aktuel Probl Chir Orthop 1985; 30:15–8 (Ger)
[Immunological control of homeostasis. Suppression of liver regeneration resulting from i.v. injection of splenic glass-adherent cells activated by polyI:C] Takeshita T.
Arerugi 1986 Mar;35(3):211–9 (Eng. Abstr.) (Jpn)
[Morphological and functional characterization of adherent splenic cells of mice] Sampaio EP, et al.
Mem Inst Oswaldo Cruz 1985 Apr–Jun;80(2):245–6 (Eng. Abstr.) (Por)
[Identification of electron spin resonance signals of ribonucleotide reductase in animal tissues with high proliferative activity] Pulatova MK, et al. Biofizika 1986 Mar–Apr;31(2):340–2 (Eng. Abstr.) (Rus)
[Effect of the dose of injected hematopoietic cells on the number of daughter splenic colony-forming cells in spleen colonies] Gurevich OA, et al. Biull Eksp Biol Med 1986 Mar;101(3):349–50 (Eng. Abstr.) (Rus)
[Colony formation efficiency in agar cultures of the bone marrow and spleen from intact mice in diffusion chambers implanted in the abdominal cavity of mice with Lewis pulmonary carcinoma] Lepekhina LA. Eksp Onkol 1986; 8(1):69–70 (Eng. Abstr.) (Rus)
[Early hematopoietic cell precursors] Chertkov IL.
Ter Arkh 1986;58(4):146–50 (21 ref.) (Rus)
[Effect of syngeneic lymphocytes, T immunodeficiency and the genotype of bone marrow donors on the differentiation of early and late splenic colonies] Man'ko VM, et al.
Tsitologiia 1985 Dec;27(12):1388–93 (Eng. Abstr.) (Rus)
[The marginal zone in the human spleen] Brozman M, et al. Bratisl Lek Listy 1985 Dec;84(6):633–44 (Eng. Abstr.) (Slo)

DRUG EFFECTS

B.C.L. and immune response in mice. Sein GM.
Am J Clin Med 1986;14(1–2):33–6
Effects of a somatostatin analogue (SMS 201–995) on hepatic and splenic reticulo–endothelial function in the rat. Baxter JN, et al. Br J Surg 1985 Dec;72(12):1005–8
The influence of some cephalosporins on immunological response. Borowski J, et al. Drugs Exp Clin Res 1985; 11(2):83–8
A comparison of baseline and cyclophosphamide-induced sister chromatid exchanges in bone marrow and spleen cells

of mouse and Chinese hamster. Krishna G, et al. **Environ Mutagen** 1986;8(3):449–59

Subchronic inhalation toxicity of p–nitroaniline and p–nitrochlorobenzene in rats. Nair RS, et al. **Fundam Appl Toxicol** 1986 May;6(4):618–27

The differential effects of bacterial lipopolysaccharide (LPS) on splenic non–lymphoid cells demonstrated by monoclonal antibodies. Groeneveld PH, et al. **Immunology** 1986 Jun;58(2):285–90

Activation of natural cytotoxic activity and concomitant reduction of triglyceride content of murine spleen, treated with an antitumor antibiotic, ascofuranone. Magae J, et al. **J Antibiot (Tokyo)** 1986 May;39(5):676–81

Morphological changes induced by radix et rhizoma rhei in Wistar rats. Hu SK, et al. **J Tradit Chin Med** 1986 Mar; 6(1):37–42

Splenotoxicity associated with splenic sarcomas in rats fed high doses of D & C Red No. 9 or aniline hydrochloride. Weinberger MA, et al. **JNCI** 1985 Oct;75(4):681–90

Comparative in vivo and in vitro sister chromatid exchange studies in Chinese hamster bone marrow and spleen cells. Krishna G, et al. **Teratogenesis Carcinog Mutagen** 1986; 6(4):321–30

Suppression of the in vitro humoral immune response by chrysotile asbestos. White KL Jr, et al. **Toxicol Appl Pharmacol** 1986 Mar 15;82(3):493–504

Genotoxicity of ochratoxin A in mice: DNA single–strand break evaluation in spleen, liver and kidney. Creppy EE, et al. **Toxicol Lett** 1985 Oct;28(1):29–35

Failure of inorganic lead exposure to impair natural killer (NK) cell and T lymphocyte function in rats. Kimber I, et al. **Toxicol Lett** 1986 Jun;31(3):211–8

Mitogenic effects of beryllium and zirconium salts on mouse splenocytes in vitro. Price RJ, et al. **Toxicol Lett** 1986 Jan; 30(1):89–95

Polychlorinated dibenzofurans (PCDFs): correlation between in vivo and in vitro structure–activity relationships. Mason G, et al. **Toxicology** 1985 Oct;37(1–2):1–12

Protracted exposure of C57BL/6 mice to 300 ppm benzene depresses B– and T–lymphocyte numbers and mitogen responses. Evidence for thymic and bone marrow proliferation in response to the exposures. Rozen MG, et al. **Toxicology** 1985 Oct;37(1–2):13–26

The effects of LPS on the cellular composition of the splenic white pulp in responder C3H/He and non–responder C3H/HeJ mice. Groeneveld PH, et al. **Virchows Arch [Cell Pathol]** 1985;49(2):183–93

Elimination of phagocytic cells in the spleen after intravenous injection of liposome–encapsulated dichloromethylene diphosphonate. Ultrastructural aspects of elimination of marginal zone macrophages. van Rooijen N, et al. **Virchows Arch [Cell Pathol]** 1985;49(4):375–83

[Morphological and biometric changes in the spleen and liver of mice after exposure to 2 synthetic immunostimulants] Stoichkova N, et al. **Eksp Med Morfol** 1985;24(2):34–41 (Eng. Abstr.) (Bul)

[DNA damage in the spleen, liver and kidneys of mice treated with ochratoxin A] Creppy EE, et al. **C R Soc Biol (Paris)** 1985;179(5):688–95 (Eng. Abstr.) (Fre)

[Intermediary effects in nonspecific defense mechanisms] Jablonski H. DTW 1985 Apr 9;92(4):149–51 (Eng. Abstr.) (Ger)

[Experimental studies on the optimal administration method of an immunopotentiator in the treatment of malignant tumors—changes in lymphoid tissues and effects on recovery from radiation damage in mice] Okazaki A. **Nippon Gan Chiryo Gakkai Shi** 1985 Aug 20;20(7):1366–84 (Eng. Abstr.) (Jpn)

[Intrasplenic serial injection of lipopolysaccharide: induction of anti–tumor substance in the rat portal vein] Fujii M, et al. **Nippon Geka Gakkai Zasshi** 1986 Feb;87(2):237 (Jpn)

[Features of the structure of the spleen and lymph nodes of the rat after exposure to the secretion of the suprascapular gland of the toad] Kerdivarenko NV, et al. **Arkh Anat Gistol Embriol** 1985 Jun;88(6):65–9 (Eng. Abstr.) (Rus)

[Effect of cyclophosphane on the suppressor activity of spleen cells in mice with transplantable tumors] Kovbasiuk SA, et al. **Eksp Onkol** 1985;7(5):60–3 (Eng. Abstr.) (Rus)

[Thymosin restoration of the interferon–synthesizing capacity of the splenocytes in mice undergoing stress exposure] Nosik NN, et al. **Vopr Virusol** 1985 Nov–Dec;30(6):729–32 (Eng. Abstr.) (Rus)

[Mitogenic activity of the antigens isolated from different Staphylococcus aureus strains in relation to mouse and guinea pig splenocytes] Khorobrykh VV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 May;(5):67–73 (Eng. Abstr.) (Rus)

[Lienotropic function of mineralocorticoids] Kamernitskii AV, et al. **Zh Obshch Biol** 1985 Nov–Dec;46(6):805–12 (Eng. Abstr.) (Rus)

EMBRYOLOGY

Storage iron in human foetal organs. Singla PN, et al. **Acta Paediatr Scand** 1985 Sep;74(5):701–6

The development of the human spleen. Ultrastructural studies in fetuses from the 14th to 24th week of gestation. Vellguth S, et al. **Cell Tissue Res** 1985;242(3):579–92

Ontogenic development of T and B cells and non–lymphoid cells in the white pulp of human spleen. Namikawa R, et al. **Immunology** 1986 Jan;57(1):61–9

Sonographic measurements of the fetal spleen: clinical implications. Schmidt W, et al. **J Ultrasound Med** 1985 Dec;4(12):667–72

ENZYMOLOGY

Characterization of phosphohydrolase activity in bovine spleen extracts: identification of a bis(p–nitrophenyl)phosphate–hydrolyzing activity (phosphodiesterase IV) which also acts on adenosine triphosphate. Hawley DM, et al. **Anal Biochem** 1985 Dec; 151(2):375–80

Isolation and partial characterization of distinct species of phosphotyrosyl protein phosphatases from rat spleen. Brunati AM, et al. **Biochem Biophys Res Commun** 1985 Dec 31;133(3):929–36

The interaction of phosphate with the purple acid phosphatase from beef spleen: evidence that phosphate binding is accompanied by oxidation of the iron chromophore. Burman S, et al. **Biochem Biophys Res Commun** 1986 Apr 29;136(2):490–7

Human spleen dihydroorotate dehydrogenase: properties and partial purification. Gero AM, et al. **Biochem Med** 1985 Aug;34(1):70–82

Human spleen dihydroorotate dehydrogenase: a study of inhibition of the enzyme. Gero AM, et al. **Biochem Med** 1985 Aug;34(1):60–9

High–resolution proton nuclear magnetic resonance studies of the glucocerebrosidase activator protein from Gaucher spleen. Sheh L, et al. **Biochemistry** 1985 Nov 5; 24(23):6645–51

Improved purification and some properties of bovine lysosomal carboxypeptidase B. Lipperheide C, et al. **Biochim Biophys Acta** 1986 Feb 19;880(2–3):171–8

Characterization of the spleen green hemeprotein with magnetic and natural circular dichroism spectroscopy: positive evidence for a myeloperoxidase–type active site. Sono M, et al. **Biochim Biophys Acta** 1986 Sep 5; 873(1):62–72

Cytochemical localization of acid phosphatase and trimetaphosphatase activities in Kurloff cells. Tiffon Y, et al. **Biol Cell** 1986;56(1):85–7

Glucosylceramidase from calf spleen. Characterization of its active site with 4–n–alkylumbelliferyl beta–glucosides and N–alkyl derivatives of 1–deoxynojirimycin. Legler G, et al. **Biol Chem Hoppe Seyler** 1985 Dec;366(12):1113–22

Conformation and processing of cathepsin D. Pain RH, et al. **Biosci Rep** 1985 Oct–Nov;5(10–11):957–67

Sulfogalactocerebroside and bis–(monoacylglyceryl)–phosphate as activators of spleen glucocerebrosidase. Prence EM, et al. **Clin Chim Acta** 1986 Apr 30;156(2):179–89

Purification and some properties of membrane–associated phospholipase A2 of human spleen. Nakaguchi K, et al. **Enzyme** 1986;35(1):2–12

Substrate specificity and stereospecificity of calf spleen phosphodiesterase towards deoxyribonucleosidyl 3'–(4–nitrophenyl phosphates) and phosphorothioates. Niewiarowski W, et al. **Eur J Biochem** 1985 Nov 15; 153(1):145–53

Increased 2,5–adenylate synthetase activity in the spleens of BALB/c mice during hypoxia–stimulated erythropoiesis. Orlic D, et al. **Exp Hematol** 1985 Sep;13(8):821–6

Lithium lowers renal, cardiac and splenic ornithine decarboxylase activity in mice. Adlercreutz C, et al. **Experientia** 1986 Apr 15;42(4):409

On the analogy in the structure of the spleen green heme protein and granulocyte myeloperoxidase. Ikeda–Saito M. **FEBS Lett** 1986 Jul 7;202(2):245–50

Heterogeneity of the enzymatic apparatus of the cells of the sinusoidal system of the spleen—a histochemical study. Horský J, et al. **Folia Morphol (Praha)** 1986;34(2):124–7

"Alkaline" nonspecific esterase in the lymphocytes of human lymphoid tissues. Horský J, et al. **Folia Morphol (Praha)** 1985;33(4):335–7

Effect of adrenergic stimulation on ornithine decarboxylase activity in the rat spleen. Stefanelli C, et al. **Gen Pharmacol** 1986;17(3):355–7

Measurement and activity of cytosolic deoxyribonucleoside–activated nucleotidase in various cell types from rat liver and spleen. Haugen TB, et al. **Int J Biochem** 1986;18(2):167–70

Aggregation–dissociation and stability of acid beta–galactosidase purified from porcine spleen. Yamamoto Y, et al. **Int J Biochem** 1986;18(4):327–35

Spectroscopic, ligand binding, and enzymatic properties of the spleen green hemeprotein. A comparison with myeloperoxidase. Ikeda–Saito M. **J Biol Chem** 1985 Sep 25;260(21):11688–96

A new de novo pathway for the formation of 1–alkyl–2–acetyl–sn–glycerols, precursors of platelet activating factor. Biochemical characterization of 1–alkyl–2–lyso–sn–glycero–3–P:acetyl–CoA acetyltransferase in rat spleen. Lee TC, et al. **J Biol Chem** 1986 Apr 25;261(12):5373–7

Porcine spleen cathepsin B is an exopeptidase. Takahashi T, et al. **J Biol Chem** 1986 Jul 15;261(20):9375–81

Comparative studies of two cathepsin B isozymes from porcine spleen. Isolation, polypeptide chain arrangements, and enzyme specificity. Takahashi T, et al. **J Biol Chem** 1986 Jul 15;261(20):9368–74

Characterization of three new Kunitz–type inhibitors from bovine spleen: preparation of specific antibodies. Fioretti E, et al. **Prep Biochem** 1985;15(4):211–9

Dopamine–beta–hydroxylase activity in plasma, spleen and adrenal gland of streptozotocin–diabetic rats: correlation with cataracts. Muñoz JA, et al. **Rev Esp Fisiol** 1986 Mar; 42(1):63–70

Thyroidal regulation of rat thymic and splenic (Na+ + K+)–adenosine triphosphatase. Klein LE, et al. **Thymus** 1985;7(6):367–76

[Monoamine oxidase (MAO) activity in the blood, spleen, mesenteric lymph node and small intestine of mice with Trichinella pseudospiralis infection] Fal W, et al. **Wiad Parazytol** 1985;31(3):271–7 (Eng. Abstr.) (Pol)

[Monoamine oxidase (MAO) activity in the blood and homogenates of the spleen, mesenteric lymph node and small intestine of mice with experimental Trichinella spiralis infection] Fal W, et al. **Wiad Parazytol** 1985; 31(3):261–9 (Eng. Abstr.) (Pol)

[Phosphoprotein phosphatases from cell nuclei of the bovine spleen: physico–chemical properties] Reziapkin VI, et al. **Biokhimiia** 1985 Jul;50(7):1067–75 (Eng. Abstr.) (Rus)

[Inorganic pyrophosphatase activity of the mouse spleen in the immune response and after treatment with bis–phosphonates] Komissarenko SV, et al. **Ukr Biokhim Zh** 1986 May–Jun;58(3):22–7 (Eng. Abstr.) (Rus)

[Neutral cytoplasmatic deoxyribonuclease of the rat liver and spleen in carcinogenesis] Pukhova GG, et al. **Ukr Biokhim Zh** 1986 Jul–Aug;58(4):76–9 (Eng. Abstr.) (Rus)

[Properties and specificity of cathepsin H from the bovine spleen] Lokshina LA, et al. **Vopr Med Khim** 1985 Sep–Oct; 31(5):125–30 (Eng. Abstr.) (Rus)

GROWTH & DEVELOPMENT

Ontogenic studies on the appearance of two classes of immunoglobulin–forming cells in the spleen of the Aleutian skate, Bathyraja aleutica, a cartilaginous fish. Kobayashi K, et al. **Eur J Immunol** 1985 Sep;15(9):952–6

Splenic growth rates in cirrhotic and other splenomegalic diseases of childhood. Landing BH, et al. **Pediatr Pathol** 1985;4(3–4):213–7

Evidence of the growth factor in mouse serum infected with Spirometra erinacei plerocercoids. Shiwaku K, et al. **Z Parasitenkd** 1986;72(1):83–7

IMMUNOLOGY

Distribution of sheep erythrocytes as antigens in rat spleen. Steven WM. **Acta Anat (Basel)** 1986;125(3):201–7

Outcome of pneumococcal challenge in rats after splenic artery ligation or splenectomy. Andersson R, et al. **Acta Chir Scand** 1986 Jan;152:15–7

Splenic dependence of the antibody response to the TI–2 antigen, DNP–Ficoll: effect of the Ficoll carrier on the tissue distribution of 125–I–Ficoll conjugates. Amlot PL, et al. **Adv Exp Med Biol** 1985;186:427–35

K cell activity is independent of both thymus and spleen. Chassoux DM, et al. **Adv Exp Med Biol** 1985;186:331–9

Evidence that static but not recirculating B cells are responsible for antibody production against dinitrophenol on neutral polysaccharide, a TI–2 antigen. Gray D, et al. **Adv Exp Med Biol** 1985;186:437–42

Detection of antibody–induced feedback suppression in spleen cell populations of primed and unprimed mice. Rothermel AL, et al. **Adv Exp Med Biol** 1985;186:721–7

Graft versus host disease in the rat: Ia expression on target tissues. Stet RJ, et al. **Adv Exp Med Biol** 1985;186:545–54

The development of specific antibody producing cells in the spleen of rabbits during the primary and secondary immune response. van Rooijen N, et al. **Adv Exp Med Biol** 1985; 186:153–9

Phenotypic expression of T lymphocytes in thymus and peripheral lymphoid tissues. Hsu SM, et al. **Am J Pathol** 1985 Oct;121(1):69–78

Evaluation of immunity of sheep after splenectomy, splenic artery ligation and autotransplantation of splenic tissue. Badowski A, et al. **Arch Immunol Ther Exp (Warsz)** 1985; 33(3):471–88

The mitogenicity for murine splenocytes of specific surface components of the oral periodontopathic bacterium, Actinomyces viscosus. Halfpap LM, et al. **Arch Oral Biol** 1985;30(9):661–6

Suppressor cells in the peripheral blood and spleen of patients with Hodgkin's disease. Minassian AA. **Cancer** 1986 May 1;57(9):1756–61

Effects of the removal of adherent and phagocytic cells on the spleen cell lymphoproliferative response of tumor–bearing mice. Hyde AM, et al. **Cancer Immunol Immunother** 1985;20(2):97–102

T cell recruitment from the thymus to the spleen in tumor–bearing mice. I. Analysis of recruited cells by surface markers. Tanaka K, et al. **Cancer Immunol Immunother** 1986;22(1):37–42

Tumor–specific suppressor T–cells which inhibit the in vitro generation of cytolytic T–cells from immune and early tumor–bearing host spleens. Bear HD. **Cancer Res** 1986 Apr;46(4 Pt 1):1805–12

Splenic immune effector and suppressor cells in mice bearing a growing plasmacytoma. Chen YH, et al. **Cancer Res** 1985 Nov;45(11 Pt 1):5473–9

Macrophage tumoricidal activity as a possible antitumor mechanism associated with the local injection of allogeneic spleen cells into rats. Kawase I, et al. **Cancer Res** 1986 Mar;46(3):1047–54

Cellular changes and antitumor responses in the plasmacytoma–bearing mouse following cyclophosphamide treatment. Shanahan TC, et al. **Cancer Res** 1985 Dec;45(12 Pt 1):6463–70

Macrophages can produce factors capable of inducing histidine decarboxylase, a histamine–forming enzyme, in vivo in the liver, spleen, and lung of mice. Endo Y, et al. **Cell Immunol** 1986 Jan;97(1):13–22

Cells involved in the immune response. XXXII. Surgical extirpation of the spleen in the early memory period following primary i.v. immunization of the outbred rabbit results in a marked impairment of a subsequent immune response to the specific antigen: an immunological explanation for the overwhelming postsplenectomy syndrome. Barron P, et al. **Clin Immunol Immunopathol** 1986 May;39(2):256–63

Splenic immune deposits in bacterial endocarditis. Nast CC, et al. **Clin Immunol Immunopathol** 1986 Aug;40(2):209–13

Cells involved in the immune response. XXXI. The role of the spleen in the primary and secondary immune responses in the normal adult outbred rabbit: the initial localization of memory cells to the spleen and their subsequent dissemination to the thymus and peripheral lymph nodes. Richter M, et al. **Clin Immunol Immunopathol** 1986 Jan; 38(1):101–10

Salmonid spleen and anterior kidney harbor populations of lymphocytes with different B cell repertoires. Kaattari SL, et al. **Dev Comp Immunol** 1985 Summer;9(3):433–44

Dendritic immune complex trapping cells in the spleen of the snake, Python reticulatus. Kroese FG, et al. **Dev Comp Immunol** 1985 Fall;9(4):641–52

In vitro induction of anti–SRBC response in dissociated spleen cells of Xenopus laevis. Obara N. **Dev Comp Immunol** 1985 Fall;9(4):739–44

The effects of ozone inhalation on the immunological response of selenium– and vitamin E–deprived rats. Eskew ML, et al. **Environ Res** 1986 Aug;40(2):274–84

Importance of the concomitant presence of palpable MOPC–315 tumor in stimulation of splenocytes by C–type MOPC–315 virus in vitro. Schwarzbard Z, et al. **Eur J Cancer Clin Oncol** 1985 Sep;21(9):1069–75

Direct and antibody dependent cell mediated cytotoxicity against Giardia lamblia by splenic and intestinal lymphoid cells in mice. Kanwar SS, et al. **Gut** 1986 Jan;27(1):73–7

The pseudo–leukocyte–specific/nuclear membrane antinuclear antibody pattern: a puzzle. Burnham TK. **Henry Ford Hosp Med J** 1985;33(4):198–204

Activation of C57BL/6 spleen cells by the mitogenic principle derived from mycoplasma arthritidis. Giebler D, et al. **Immunobiology** 1986 Mar;171(1–2):57–66

Binding of DNP–specific receptor material of normal thymocytes to DNP–gelatin–coated dishes. Haustein D. **Immunobiology** 1985 Sep;170(3):158–63

Separate application of adjuvant and antigen: the effect of a water–in–oil emulsion on the splenic plaque–forming cell response to sheep red blood cells in mice. van der Heijden PJ, et al. **Immunobiology** 1986 Mar;171(1–2):143–54

Splenic macrophages: antigen presenting cells for T1–2 antigens. Humphrey JH. **Immunol Lett** 1985;11(3–4):149–52

Direct activation of Sendai virus (HVJ)–specific cell–mediated immunity of mice for second set rejection of the virus–infected syngeneic tumor by noninfectious virus–sensitized spleen cells. Kamihira O, et al. **Immunol Lett** 1985;11(2):75–81

Marginal zone of the spleen and the development and localization of specific antibody–forming cells against thymus–dependent and thymus–independent type–2 antigens. Claassen E, et al. **Immunology** 1986 Mar; 57(3):399–403

Germinal centre formation and follicular antigen trapping in the spleen of lethally X–irradiated and reconstituted rats. Kroese FG, et al. **Immunology** 1986 Jan;57(1):99–104

Resistance to metabolic inactivation is a functional phenotype of radioresistant stimulating spleen cells (RSCs) in allo–CTL generation. Reme T, et al. **Immunology** 1985 Nov;56(3):459–65

Depressed chemiluminescence response by influenza virus is enhanced after conjugation of viral subunits to muramyl dipeptide. Masihi KN, et al. **Infect Immun** 1985 Oct; 50(1):146–51

Visceral leishmaniasis in congenic mice of susceptible and resistant phenotypes: immunosuppression by adherent spleen cells. Nickol AD, et al. **Infect Immun** 1985 Oct; 50(1):160–8

Detection and specificity of antibodies secreted by spleen cells in mice immunized with Streptococcus mutans. Russell MW, et al. **Infect Immun** 1986 Aug;53(2):317–23

Mechanisms underlying the depressed production of interleukin–2 in spleen and lymph node cell cultures of mice infected with Mycobacterium bovis BCG. Turcotte R, et al. **Infect Immun** 1986 Mar;51(3):826–31

Induction of class II MHC antigens in cultured epithelial cells from rat gut. Kilshaw PJ. **Int Arch Allergy Appl Immunol** 1985;78(3):326–8

Low frequency of NK–cell progenitors and development of suppressor cells in IL–2–dependent cultures of spleen cells from low NK–reactive SJL/J mice. Migliorati G, et al. **Int J Cancer** 1986 Jul 15;38(1):117–25

Clonal analysis of T lymphocytes in spleens from patients with Hodgkin's disease. Frequent occurrence of unusual T4–positive cells which co–express cytolytic activity and production of interleukin–2. Romagnani S, et al. **Int J Cancer** 1986 Mar 15;37(3):343–9

Hyposplenism and T lymphocyte subpopulations in coeliac disease and after splenectomy. Foster PN, et al. **J Clin Lab Immunol** 1985 Jun;17(2):75–7

Macrophage plasma membrane and secretory properties in murine malaria. Effects of Plasmodium yoelii blood–stage infection on macrophages in liver, spleen, and blood. Lee SH, et al. **J Exp Med** 1986 Jan 1;163(1):54–74

Differential expression of HLA class II antigens in fetal human spleen: relationship of HLA–DP, DQ, and DR to immunoglobulin expression. Edwards JA, et al. **J Immunol** 1986 Jul 15;137(2):490–7

Regulation of immune responses by T cell subsets. Role of helper and suppressor T cells in the development and expression of MHC–restricted antibody responses to L–glutamic acid60–L–alanine30–L–tyrosine10 (GAT) by (responder X responder)F1 spleen cells. Lake JP, et al. **J Immunol** 1986 Feb 15;136(4):1201–9

Frequent T4–positive cells with cytolytic activity in spleens of patients with Hodgkin's disease (a clonal analysis). Maggi E, et al. **J Immunol** 1986 Feb 15;136(4):1516–20

Specific sensitization of Lyt–1+2– T cells to spleen cells modified by the drug D–penicillamine or a stereoisomer. Nagata N, et al. **J Immunol** 1986 Jan;136(1):136–42

The effect of bone marrow depletion on prostaglandin E–producing suppressor macrophages in mouse spleen. Shibata Y, et al. **J Immunol** 1985 Dec;135(6):3897–904

Adoptive transfer of experimental allergic encephalomyelitis with lectin–activated spleen cells. Part 2. Studies on T cell subsets and interleukin 2 production. Takenaka A, et al. **J Neurol Sci** 1986 Feb;72(2–3):337–45

T–cell recruitment from the thymus to the spleen in tumor–bearing mice. II. Functional characteristics of recruited T–cells. Tanaka K, et al. **JNCI** 1986 Sep; 77(3):733–8

Inhibition of spleen cell cytotoxic capacity toward tumor by elevated prostaglandin E2 levels in mice bearing Lewis lung carcinoma. Young MR, et al. **JNCI** 1986 Aug; 77(2):425–9

Production of chemokinetic inhibitory factor (CIF) by normal blood and spleen B lymphocytes. Siegbahn A, et al. **Leuk Res** 1986;10(2):179–86

Comparison of immunoglobulin heavy chain isotype expression in Peyer's patch and splenic B–cells. Woloschak GE. **Mol Immunol** 1986 Jun;23(6):581–91

Cellular mediators of anti–histoplasma immunity: I. Protective immunity and cellular changes in spleens of mice immunized by sublethal infection with yeast cells of histoplasma capsulatum. Khardori N, et al. **Mykoses** 1986 Mar;29(3):103–15

Immune response of mice to sarcoma I allograft studied by adoptive transfers of spleen, thymus, and lymph node cells to secondary recipients. Vidrnová M, et al. **Neoplasma** 1985;32(4):451–61

The effect of splenectomy on resistance of mice to Entamoeba histolytica infection. Ghadirian E, et al. **Parasite Immunol** 1985 Sep;7(5):479–87

The role of the spleen and splenic autotransplants in clearing experimental bacteremia caused by the gram–negative bacterium Escherichia coli. Thalhamer J, et al. **Res Exp Med (Berl)** 1986;186(3):229–38

Retention of immune complexes by murine lymph node or spleen follicular dendritic cells. Role of antibody isotype. Heinen E, et al. **Scand J Immunol** 1986 Sep;24(3):327–34

Syngeneic spleen cell immunization induces high mortality among progeny in mice. Pechan PA. **Teratology** 1986 Apr; 33(2):239–41

Analysis of lead effects on in vivo antibody–mediated immunity in several mouse strains. Mudzinski SP, et al. **Toxicol Appl Pharmacol** 1986 Apr;83(2):321–30

Immunosuppression induced by chemicals requiring metabolic activation in mixed cultures of rat hepatocytes and murine splenocytes. Yang KH, et al. **Toxicol Appl Pharmacol** 1986 May;83(3):420–9

Modulation of cellular and humoral immune responses by O,S,S–trimethyl phosphorodithioate, an impurity of commercial malathion. Thomas IK, et al. **Toxicology** 1986 Apr;39(1):1–12

Involvement of spleen components of mature fowl in the primary and secondary humoral antibody response following experimental EDS 76 virus infection. van Eck JH. **Vet Q** 1986 Apr;8(2):105–22

[Inhibitory action of liver extracts on the splenic index and mortality in the graft vs. host reaction] Divanian Kh, et al. **Eksp Med Morfol** 1985;24(4):11–7 (Eng. Abstr.) **(Bul)**

[Stress–induced changes in the spleen and thymus of the mouse after skin transplantation] Lehmann M, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(3):172–80 (Eng. Abstr.) **(Ger)**

[Role of the mesenteric lymph nodes and spleen in infestation by Hymenolepis nana in the mouse] Gabriele F, et al. **Ann Ist Super Sanita** 1986;22(1):415–7 (Eng. Abstr.) **(Ita)**

[Liver regeneration and the immune system. III. Suppressor activity of splenic adherent cells activated in vivo by liver regeneration] Noda H. **Nippon Geka Gakkai Zasshi** 1986 Jun;87(6):636–41 (Eng. Abstr.) **(Jpn)**

[The immune defense system in gastric cancer tissue, regional lymph node and spleen—aspects from subsets and functions of lymphocytes] Tanaka N, et al. **Nippon Geka Gakkai Zasshi** 1985 Sep;86(9):1112–5 (Eng. Abstr.) **(Jpn)**

[The role of the spleen in immunosuppression and the effects of splenectomy on prognosis in gastric cancer patients] Toge T, et al. **Nippon Geka Gakkai Zasshi** 1985 Sep; 86(9):1120–3 (Eng. Abstr.) **(Jpn)**

[Studies on the hepatocellular injury in an experimentally induced acute hepatic failure. II. Changes in spleen cell and peritoneal macrophage functions] Tsutsui H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Jun;82(6):1520–6 (Eng. Abstr.) **(Jpn)**

[Studies on the hepatocellular injury in an experimentally induced acute hepatic failure: macrophage–mediated suppression of immune response in acute hepatic failure–induced mice] Tsutsui H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Nov; 82(11):2752–60 (Eng. Abstr.) **(Jpn)**

[Polyclonal antibody secretion in mouse spleen cells induced by staphylococcal phage lysate (SPL)] Lee B, et al. **Yakugaku Zasshi** 1985 Aug;105(8):747–50 (Eng. Abstr.) **(Jpn)**

[The role of A–cells in affecting the immunostimulating effect of F(ab')2–fragments] Bartova LM, et al. **Biull Eksp Biol Med** 1986 May;101(5):589–91 (Eng. Abstr.) **(Rus)**

[Characteristics of cells participating in the adoptive transfer of tumor–associated suppressor activity] Semenova–Kobzar' RA, et al. **Eksp Onkol** 1985;7(4):57–60 (Eng. Abstr.) **(Rus)**

[Effect of splenectomy on immunologic reactivity (review of the literature)] Pavlovskiĭ MP, et al. **Khirurgiia (Mosk)** 1986 Jun;(6):136–41 (66 ref.) **(Rus)**

[Immunostimulating factor released by splenic cells in toxic lesion of the liver] Konoplia AI, et al. **Patol Fiziol Eksp Ter** 1985 Nov–Dec;(6):45–50 (Eng. Abstr.) **(Rus)**

[Changes in the function of immunoregulatory cells as affected by a splenic factor from animals poisoned by a hepatotropic poison] Prokopenko LG. **Patol Fiziol Eksp Ter** 1985 Jul–Aug;(4):72–6 (Eng. Abstr.) **(Rus)**

[Use of splenin in the combined treatment of pulmonary tuberculosis patients] Spesivtsev OG, et al. **Probl Tuberk** 1985;(8):28–31 (Eng. Abstr.) **(Rus)**

[Impairment of antibody formation in the spleen of irradiated animals subjected to additional thermal injury] Ul'ianova LP. **Radiobiologiia** 1986 Mar–Apr;26(2):264–8 (Eng. Abstr.) **(Rus)**

[Cytotoxic properties of the splenocytes of C3HA mice following treatment with exogenous RNA] Aksenova NN, et al. **Tsitologiia** 1985 Oct;27(10):1177–82 (Eng. Abstr.) **(Rus)**

[Role of spleen macrophage activation in inhibiting the metastasis of transplantable tumors] Arkhipov SA, et al. **Vopr Onkol** 1985;31(9):77–84 (Eng. Abstr.) **(Rus)**

[Role of A cells in the mitogenic stimulation of lymphocytes by Mycoplasma] Pronin AV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Jul;(7):59–63 (Eng. Abstr.) **(Rus)**

INJURIES

Changing attitudes toward splenic trauma. Rose WD, et al. **Am J Emerg Med** 1986 Mar;4(2):170–2

Splenic trauma and salvage. O'Connor GS, et al. **Am Surg** 1986 Aug;52(8):456–62

A four–year experience with splenectomy versus splenorrhaphy [letter] Barrett J. **Ann Surg** 1986 Jan; 203(1):113

Splenic injury sustained from blunt abdominal trauma [letter] Cooper MJ, et al. **Ann Surg** 1985 Dec;202(6):788

Delayed rupture of the spleen. A case report. Schultz DA, et al. **Clin Nucl Med** 1985 Sep;10(9):642–5

Delayed and occult splenic rupture. Bundy AL, et al. **Comput Radiol** 1985 Sep–Oct;9(5):299–305

Use of concentrated fibrinogen in experimental splenic trauma. Kram HB, et al. **J Biomed Mater Res** 1986 May–Jun;20(5):547–53

Increased total serum IgE concentration in patients who have undergone splenectomy after trauma. Chelazzi G, et al. **J Clin Pathol** 1985 Nov;38(11):1309–10

Appropriate management of splenic trauma [letter] Lee J. **Mayo Clin Proc** 1986 Oct;61(10):836–7

Multiple organ trauma managed cost effectively and nonoperatively. Quigless MD Jr. **NC Med J** 1986 May; 47(5):249–51

Splenic injuries in adults: selective nonoperative management. Johnson H Jr, et al. **South Med J** 1986 Jan; 79(1):5–8

Splenic conservation after multiple trauma in adults. Flanchaum L, et al. **Surg Gynecol Obstet** 1986 May; 162(5):469–73

Partial splenectomy with a tourniquet of falciform ligament. Smoot RT, et al. **Surg Gynecol Obstet** 1986 Sep; 163(3):280–1

[Ultrasonic study in closed injuries of the spleen (with contribution of 4 personal cases)] Vasileva Zh, et al. **Khirurgiia (Sofiia)** 1985;38(6):31–5 **(Bul)**

[Nonsurgical treatment of the traumatized spleen] Morgenstern L. **Aktuel Probl Chir Orthop** 1985;30:33–8 **(Ger)**

[Expert opinion on partial and total post-traumatic loss of the spleen] Seufert RM. **Dtsch Med Wochenschr** 1986 Jan 10;111(2):43–5 (Ger)

[Critical observations on organ-preserving therapy in splenic rupture and the problem of spleen replantation following splenectomy] Spirig P, et al. **Helv Chir Acta** 1986 Jun; 53(1–2):29–31 (Eng. Abstr.) (Ger)

[Effectiveness of various methods of stopping hemorrhage in spleen and liver injuries—results of an animal experiment study] Brieler HS, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(2):94–9 (Eng. Abstr.) (Ger)

[Conservative treatment of splenic injuries. Review of 6 cases in a total of 51 injuries of the spleen seen between 1974 and 1984] Calli V, et al. **Minerva Chir** 1985 Oct 15; 40(19):1331–6 (Eng. Abstr.) (Ita)

[Conservative treatment in splenic injuries. Results of a follow-up in patients with autotransplants] Tricarico A, et al. **Minerva Chir** 1986 Mar 31;41(5–6):325–8 (Ita)

[A case of successful transcatheter splenic arterial embolization (TSAE) in traumatic injury of the spleen] Sakai T, et al. **Rinsho Houkasen** 1986 Jan;31(1):127–30 (Eng. Abstr.) (Jpn)

[Treatment and diagnosis of splenic injuries. A prospective multicenter study] **Tidsskr Nor Laegeforen** 1986 Jan 10; 106(1):12–6 (Eng. Abstr.) (Nor)

[Iatrogenic splenic injuries] Høivik B, et al. **Tidsskr Nor Laegeforen** 1986 Apr 10;106(9):732–3 (Eng. Abstr.) (Nor)

[Intraoperative injuries to the spleen] Angelescu N, et al. **Rev Chir [Chir]** 1985 Sep–Oct;34(5):363–70 (Eng. Abstr.) (Rum)

[Thoracoabdominal injuries of the spleen] Afendulov SA. **Klin Khir** 1985;(10):62 (Rus)

[Use of free peritoneo-aponeurotic flaps in splenic injuries] Mamamtavrishvili OG, et al. **Vestn Khir** 1986 Mar;136(3):84 (Rus)

[Forced splenectomy in surgery on the organs of the abdominal cavity] Petrov VP, et al. **Vestn Khir** 1986 Mar; 136(3):25–8 (Eng. Abstr.) (Rus)

[Subcapsular splenic injuries] Sosedko IuI, et al. **Voen Med Zh** 1986 Mar;(3):39–40 (Rus)

[New aspects in the treatment of splenic injuries] Biermann R, et al. **Rozhl Chir** 1985 Dec;64(12):819–24 (Eng. Abstr.) (Slo)

[Traumatic avulsion of the spleen] Larrad Jiménez A, et al. **Rev Esp Enferm Apar Dig** 1986 Jan;69(1):59–60 (Eng. Abstr.) (Spa)

INNERVATION

Denervated splenopancreatic flap for chronic pancreatitis. Shires GT 3d, et al. **Ann Surg** 1986 May;203(5):568–73

Neuropeptide Y, enkephalin and noradrenaline coexist in sympathetic neurons innervating the bovine spleen. Biochemical and immunohistochemical evidence. Fried G, et al. **Cell Tissue Res** 1986;243(3):495–508

[Age and features of the content of myelinated fibers in nerves of the splenic plexus of man] Chekushina IV. **Arkh Anat Gistol Embriol** 1986 Feb;90(2):57–61 (Eng. Abstr.) (Rus)

METABOLISM

Temperature effects on catecholamine accumulation in neuronal and extraneuronal compartments in the cod spleen. Ungell AL. **Acta Physiol Scand** 1986 Apr; 126(4):589–92

Inhibitory effects of desmethylimipramine, metanephrine and normetanephrine on the neuronal and extraneuronal accumulation of catecholamines in fish spleen. Ungell AL. **Acta Physiol Scand** 1986 May;127(1):27–31

Increased low-density lipoprotein levels after splenectomy: a role for the spleen in cholesterol metabolism in myeloproliferative disorders. Aviram M, et al. **Am J Med Sci** 1986 Jan;291(1):25–8

Immunohistochemical localization of smooth muscle myosin in human spleen, lymph node, and other lymphoid tissues. Unique staining patterns in splenic white pulp and sinuses, lymphoid follicles, and certain vasculature, with ultrastructural correlations. Pinkus GS, et al. **Am J Pathol** 1986 Jun;123(3):440–53

Cardiac and splenic norepinephrine turnover during septic peritonitis. Jones SB, et al. **Am J Physiol** 1986 May;250(5 Pt 2):R892–7

Characterization of vasopressin receptors of rat urinary bladder and spleen. Thibonnier M, et al. **Am J Physiol** 1986 Jul;251(1 Pt 2):H115–20

Presence of interleukin 3-like activity in the supernatants of lipopolysaccharide-stimulated mouse splenocytes. Cavaillon JM, et al. **Biochem Biophys Res Commun** 1986 Aug 14;138(3):1322–7

Glutathione status during the mitogenic response of rat splenocytes. Effects of oxygen concentration: FO2 21% versus FO2 7%. Lacombe P, et al. **Biochimie** 1986 Apr; 68(4):555–63

Effect of DNA-damaging agents on isolated spleen cells and lung fibroblasts from the mouse mutant "wasted," a putative animal model for ataxia-telangiectasia. Inoue T, et al. **Cancer Res** 1986 Aug;46(8):3979–82

Autoradiographic evidence for penetration of 3H-ceftriaxone (Rocephin) into cells of spleen, liver and kidney of mice. Kuhn H, et al. **Chemotherapy** 1986;32(2):102–12

Specific receptor and cardiovascular effects of calcitonin gene-related peptide. Sigrist S, et al. **Endocrinology** 1986 Jul;119(1):381–9

Concanavalin A-stimulated rat spleen cells produce a soluble factor that supports growth of the mouse IL-3-dependent cell line Ea3.123, but not three other IL-3-dependent lines. Carron JA, et al. **Immunology** 1986 Aug;58(4):635–40

Effect of selenium (selenite) on DNA and RNA synthetic activities in mouse liver, kidney and spleen following 7,12-dimethylbenz(alpha) anthracene administration. Gulati N, et al. **Indian J Exp Biol** 1986 Feb;24(2):85–7

Bovine-associated mucoprotein: de novo synthesis by nonmammary tissues. Pringnitz DJ, et al. **J Dairy Sci** 1985 Aug;68(8):1943–51

Enzyme activities and phospholipid storage patterns in brain and spleen samples from Niemann-Pick disease variants: a comparison of neuropathic and non-neuropathic forms. Besley GT, et al. **J Inherited Metab Dis** 1986;9(1):59–71

Translocatable estrogen receptors in rat splenocytes. Myers MJ, et al. **Life Sci** 1986 Jul 28;39(4):313–20

Frequency- and reserpine-dependent chemical coding of sympathetic transmission: differential release of noradrenaline and neuropeptide Y from pig spleen. Lundberg JM, et al. **Neurosci Lett** 1986 Jan 2;63(1):96–100

Effect of repeated exercise on postnatal development of the noradrenaline content of the albino rat heart, spleen and skeletal muscle. Vlk J, et al. **Physiol Bohemoslov** 1985; 34(3):209–15

Distribution of iron and copper in the liver and spleen of veal calves in relation to the concentration of iron in the diet. Abdelrahim AI, et al. **Res Vet Sci** 1986 Mar; 40(2):209–11

Variation in activities of non-plasmin fibrinolytic proteinase and plasminogen-activator in the lung and spleen induced by bacterial endotoxin in rats with special reference to the effects of MD-805. Okamoto U, et al. **Thromb Haemost** 1985 Jun 24;53(3):323–7

Strain differences in cadmium-mediated suppression of lymphocyte proliferation in mice. Ohsawa M, et al. **Toxicol Appl Pharmacol** 1986 Jun 30;84(2):379–88

Enhanced and inhibited biotransformation of methyl mercury in the rat spleen. Suda I, et al. **Toxicol Appl Pharmacol** 1986 Jan;82(1):45–52

Lipofuscin accumulation in the human spleen with an unusual distribution. A case report. Zwi LJ, et al. **Virchows Arch [A]** 1986;409(1):119–24

[Changes in DNA and purine nucleotide synthesis in lymphoid cells and sensitivity to glucocorticoids associated with the impairment of differentiation and immune function in mice during tumor growth. Spleen T- and B-lymphocytes] Khramtsova SN, et al. **Biokhimiia** 1986 Apr;51(4):635–43 (Eng. Abstr.) (Rus)

[Kinetics of DNA reparative replication in the spleen cells of CBA- and C57BL/6-strain mice induced by urethane and and the influenza virus] Frolov AFo LV, et al. **Biull Eksp Biol Med** 1986 Apr;101(4):426–8 (Eng. Abstr.) (Rus)

[H3-labeled cortisol metabolism in the renal, splenic and thymic cells of intact and adrenalectomized rats] Tron'ko ND, et al. **Probl Endokrinol (Mosk)** 1985 Jul–Aug; 31(4):64–8 (Eng. Abstr.) (Rus)

[Biosynthesis of proteins in various organs of albino rats in experimental peritonitis] Prosvirnin VV, et al. **Vopr Med Khim** 1986 Jan–Feb;32(1):85–7 (Eng. Abstr.) (Rus)

MICROBIOLOGY

Mechanism of recovery from acute virus infection. III. Subclass of T lymphocytes mediating clearance of lymphocytic choriomeningitis virus from the spleens of mice. Assmann-Wischer U, et al. **Med Microbiol Immunol (Berl)** 1985;174(5):249–56

Splenic dendritic cells and Junin virus. Laguens RM, et al. **Med Microbiol Immunol (Berl)** 1986;175(2–3):187–9

Mutations in Salmonella typhimurium recovered from livers and spleens of mice. Wright AE, et al. **Mutat Res** 1986 Jan–Feb;159(1–2):1–11

Cryptococcus neoformans: rapid detection in the spleen of an AIDS patient using DAPI-fluorochrome. Grossgebauer K, et al. **Mykosen** 1986 Apr;29(4):155–8

Potomac horse fever agent in mice. Jenkins SJ, et al. **Vet Rec** 1985 Nov 23;117(21):556–7

[Expression of MMTV proviruses in lymphopoietic organs of C3H Bi mice] Devaux B, et al. **C R Acad Sci [III]** 1985; 301(17):763–6 (Eng. Abstr.) (Fre)

[Characteristics of the interaction of the influenza and vesicular stomatitis viruses with the splenocytes of inbred mice] Smorodintsev AA. **Vopr Virusol** 1986 Jan–Feb; 31(1):100–4 (Eng. Abstr.) (Rus)

PARASITOLOGY

Electron microscopy of Leishmania donovani in splenic aspirates from patients with visceral leishmaniasis during treatment with sodium stibogluconate. Chulay JD, et al. **Ann Trop Med Parasitol** 1985 Aug;79(4):417–29

Comparison of three culture media for isolating Leishmania donovani from splenic aspirates in Kenyan visceral leishmaniasis. Githure JI, et al. **East Afr Med J** 1984 Jul; 61(7):539–43

PATHOLOGY

Histological changes in mouse liver and spleen caused by different Coxiella burnetii antigenic preparations. Kokorin IN, et al. **Acta Virol (Praha)** 1985 Sep;29(5):410–5

MRI of the spleen: normal appearance and findings in sickle-cell anemia. Adler DD, et al. **AJR** 1986 Oct; 147(4):843–5

Unusual ultrasound appearance of the spleen—a case of hereditary spherocytosis. Gupta R, et al. **Br J Radiol** 1986 Mar;59(699):284–5

Pathology of acute 3-acetyldeoxynivalenol toxicity in mice. Schiefer HB, et al. **Can J Comp Med** 1985 Jul;49(3):315–8

Serial evaluation of absolute spleen cell numbers in Lewis lung tumor-bearing mice. Lersch C, et al. **Cancer Invest** 1985;3(6):535–9

Effect of diabetes on the rhythm of [3H]thymidine incorporation in Con-A-stimulated mice splenocytes. Prunet J, et al. **Cell Tissue Kinet** 1986 Jan;19(1):83–92

Splenic migration of xid and non-xid splenic B cells. Smith HR, et al. **Clin Immunol Immunopathol** 1986 Jun; 39(3):379–93

Spontaneous rupture of the spleen in primary plasma cell leukemia. Scintigraphic-pathologic correlation. Kienzle GD, et al. **Clin Nucl Med** 1985 Sep;10(9):639–41

The value of ultrasonic scanning of the spleen in lymphoma. King DJ, et al. **Clin Radiol** 1985 Sep;36(5):473–4

Massive splenic abscess: a case report. Mariko GK. **East Afr Med J** 1985 Aug;62(8):606–7

Defective support of Sl/Sld splenic stroma for humoral regulation of stem cell proliferation. Ploemacher RE, et al. **Exp Hematol** 1986 Jan;14(1):9–15

Enumeration of stem cells and progenitor cells in alpha-thalassemic mice reveals lack of specific regulation of stem cell differentiation. Wagemaker G, et al. **Exp Hematol** 1986 May;14(4):303–6

Immunohistology of the human spleen: an inventory of the localization of lymphocyte subpopulations. van Krieken JH, et al. **Histopathology** 1986 Mar;10(3):285–94

Blood counts in portal hypertension of non-cirrhotic origin: correlation with splenic size and splenic pulp pressure. Naik SR, et al. **Indian J Gastroenterol** 1986 Jan;5(1):15–6

Effect of tumor inhibitory and stimulatory doses of levan, alone and in combination with cyclophosphamide, on spleen and lymph nodes. Leibovici J, et al. **Int J Immunopharmacol** 1986;8(4):391–403

Left upper quadrant pain and intermittent bacteremia. Foster WL Jr, et al. **Invest Radiol** 1986 Jun;21(6):488–91

Changes in proton relaxation times of the rat spleen during adjuvant-induced immunologic reaction. Terrier F, et al. **Invest Radiol** 1986 Mar;21(3):221–6

Size of spleen rather than amount of platelet sequestration may determine long term responses to splenectomy in adult idiopathic thrombocytopenic purpura. Boughton BJ, et al. **J Clin Pathol** 1985 Oct;38(10):1172–4

Splenic pathology in immune thrombocytopenia. Hayes MM, et al. **J Clin Pathol** 1985 Sep;38(9):985–8

The effect of hemopoietic microenvironment on splenic suppressor macrophages in congenitally anemic mice of genotype Sl/Sld. Shibata Y, et al. **J Immunol** 1985 Dec; 135(6):3905–10

Entamoeba histolytica: lymphoreticular changes in gerbils (Meriones unguiculatus) with experimentally induced cecal amebiasis. Chadee K, et al. **J Parasitol** 1985 Oct; 71(5):566–75

Leukocytic subset distributions of spleen cells obtained from rats bearing variants of the Dunning prostatic adenocarcinoma. Shaw MW, et al. **J Urol** 1986 Jan; 135(1):159–62

Isolation from the spleen of myeloproliferative sarcoma virus-infected mice of a myelomonocytic tumor cell line secreting hematopoietic colony stimulating factors. Bevilacqua-Bertoli AM, et al. **Leuk Res** 1986;10(5):549–60

In vitro induction of CFU-S proliferation by a non viral splenic activity from myeloproliferative sarcoma virus infected mice. Le Bousse-Kerdiles MC, et al. **Leuk Res** 1985;9(9):1181–8

Splenic rupture in a very low birth weight infant. Birenbaum HJ, et al. **Md Med J** 1986 May;35(5):399–400

Production of ascites and rescue of hybridomas by intrasplenic inoculation. Witte PL, et al. **Methods Enzymol** 1986;121:381–5

Tangier disease. A histological and ultrastructural study. Dechelotte P, et al. **Pathol Res Pract** 1985 Oct; 180(4):424–30

Hepatomegaly and splenomegaly in Kawasaki disease. Ohshio G, et al. **Pediatr Pathol** 1985;4(3–4):257–64

Gaucher disease: sonographic appearance of the spleen. Hill SC, et al. **Radiology** 1986 Sep;160(3):631–4

Red pulp of the spleen in autoimmune haemolytic anaemia and hereditary spherocytosis: morphometric light and electron microscopy studies. Myhre Jensen O, et al. **Scand J Haematol** 1986 Mar;36(3):263–6

Three kinds of foamy cells in the spleen: comparative histochemical and ultrastructural studies. Ishihara T, et al. **Ultrastruct Pathol** 1985;8(1):13–23

Experimental visceral leishmaniasis in the owl monkey. Broderson JR, et al. **Vet Pathol** 1986 May;23(3):293–302

In vivo effects of toxic and detoxified endotoxin alone or in combination with muramyl dipeptide on lymphoid and non-lymphoid cells in the spleen of Meth A sarcoma-bearing mice. Kuper CF, et al. **Virchows Arch [B]** 1986;51(4):341–51

The induction of accelerated murine amyloid with human splenic extract. Probable role of amyloid enhancing factor. Varga J, et al. **Virchows Arch [B]** 1986;51(3):177–85

Outer periarterial lymphatic sheath of the human spleen. Brozman M. **Z Mikrosk Anat Forsch** 1986;100(1):56–66

[Chronic toxico-pathologic investigation of a flurocarbon blood substitute] Wang BS, et al. **Chung-hua Ping Li Hsueh Tsa Chih** 1985 Mar;14(1):62–4 (Eng. Abstr.) **(Chi)**

[Aspiratica cytology of the spleen in hematologic disorders] Chong LL, et al. **Taiwan I Hsueh Hsi Tsa Chih** 1985 Dec; 84(12):1323–33 (Eng. Abstr.) **(Chi)**

[Postmortem cell morphology changes in the spleen] Windus G, et al. **Beitr Gerichtl Med** 1985;43:331–6 (Eng. Abstr.) **(Ger)**

[Tetrachloroethylene: effect of low concentrations of 1,1,2,2-tetrachloroethylene (perchloroethylene) on the mouse. II. Study of tetrachloroethylene in various organs and demonstration of histological changes in the examined organs] Marth E, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Dec; 181(6):541–7 (Eng. Abstr.) **(Ger)**

[Magnetic resonance relaxation times of spleen in chronic liver diseases] Nishida O. **Nippon Shokakibyo Gakkai Zasshi** 1985 Dec;82(12):2993 **(Jpn)**

[Morphological changes of the thymus and spleen with acute experimental allergic encephalomyelitis (EAE) in Lewis rats] Hara N, et al. **No To Shinkei** 1986 Jan;38(1):81–5 (Eng. Abstr.) **(Jpn)**

[Characteristics of membrane markers of the peripheral blood and splenic lymphocytes in children with chronic idiopathic thrombocytopenic purpura (a study using monoclonal antibodies)] Torubarova NA, et al. **Gematol Transfuziol** 1986 May;31(5):16–20 (Eng. Abstr.) **(Rus)**

[Radiosensitivity of clonogenic granulocytic macrophage cell precursors in the bone marrow and spleen of tumor-bearing mice] Lepekhina LA, et al. **Radiobiologiia** 1985 Nov–Dec; 25(6):752–5 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Topo-optical investigation of the erythrocyte membrane alteration after prolonged retention in the splenal reticulum. Oehring H, et al. **Acta Histochem [Suppl] (Jena)** 1986; 33:45–53

O2 consumption during exercise in dogs—roles of splenic contraction and alpha-adrenergic vasoconstriction. Longhurst JC, et al. **Am J Physiol** 1986 Sep;251(3 Pt 2):H502–9

The role of the spleen in resistance to infection. Bohnsack JF, et al. **Annu Rev Med** 1986;37:49–59 (54 ref.)

Differentiation in hepatic and splenic phagocytic activity during reticuloendothelial blockade with cholesterol-free and cholesterol-rich liposomes. Dave J, et al. **Biochim Biophys Acta** 1986 Sep 19;888(2):184–90

Effects of splenectomy on the retention of Salmonella enteritidis and on the hemopoietic response to Salmonella infection. Kirikae T, et al. **Biomed Pharmacother** 1986; 40(1):6–10

Effects of sera and spleen cells isolated from partially hepatectomized rats on the growth of Walker-256 tumour. Ramantanis G, et al. **Biomed Pharmacother** 1985; 39(9–10):482–6

Lack of effect of splenic regrowth on the reduced antibody responses to pneumococcal polysaccharides in splenectomized patients. Kiroff GK, et al. **Clin Exp Immunol** 1985 Oct;62(1):48–56

Role of the spleen in cell-mediated immunity. III. Effect of syngeneic spleen implantations on transplantation reactivity to the H-Y antigen in splenectomized female mice. Mazur-Kolecka B. **Folia Biol (Krakow)** 1985; 33(3–4):187–93

Role of the spleen in cell-mediated immunity. II. The effect of syngeneic spleen cells on transplantation reactivity to the H-Y antigen in splenectomized female mice. Mazur-Kolecka B. **Folia Biol (Krakow)** 1985; 33(3–4):177–86

Role of the spleen in cell-mediated immunity. I. Abolition of specific sensitization to the H-Y antigen in female C57BL mice. Mazur-Kolecka B. **Folia Biol (Krakow)** 1985; 33(3–4):167–75

Comparison and definition of spleen and lymph node: a phylogenetic analysis. Jønsson V. **J Theor Biol** 1985 Dec 21;117(4):691–9

Experimental splenic regeneration. Pouché A, et al. **Surg Gynecol Obstet** 1986 Jan;162(1):25–9

Oxytetracycline-induced resistance to Babesia bovis infection in splenectomised calves. Pipano E, et al. **Trop Anim Health Prod** 1985 Aug;17(3):153–4

Spleen specific expression of an MMTV related transcript associated with the Mtv-6 locus in BALB/c mice. Sarkar A, et al. **Virology** 1986 Oct 15;154(1):233–9

[Effect of a substance isolated from the regenerating spleen on the chromatin structural organization and the leukosogenic activity of transplanted cells] Svirnovskil AI, et al. **Eksp Onkol** 1985;7(6):44–7 (Eng. Abstr.) **(Rus)**

[Free thymidine in the blood serum of irradiated rats with different levels of cellular depletion of the thymus and spleen] Bryksina LE, et al. **Radiobiologiia** 1985 Sep–Oct; 25(5):590–2 (Eng. Abstr.) **(Rus)**

[Spleen and hemolysis] Berga L. **Med Clin (Barc)** 1985 Sep 14;85(7):273–5 **(Spa)**

PHYSIOPATHOLOGY

Fetal hemoglobin levels and splenic function in sickle-cell disease [letter] Ozsoylu S. **Acta Haematol (Basel)** 1985; 74(4):240–2

Relationships between biotin and DNA contents and DNA turnover in lymphoid organs: thymus, lymph nodes and spleen. Petrelli F, et al. **Acta Vitaminol Enzymol** 1985; 7(3–4):199–206

Mechanisms of splenic control of murine malaria: reticular cell activation and the development of a blood-spleen barrier. Weiss L, et al. **Am J Anat** 1986 Jul;176(3):251–85

Teardrop-shaped red cells in autoimmune hemolytic anemia. Farolino DL, et al. **Am J Hematol** 1986 Apr;21(4):415–8

Splenic hypofunction in the nephrotic syndrome of childhood. McVicar MI, et al. **Am J Kidney Dis** 1986 May; 7(5):395–401

Methods of splenic preservation and their effect on clearance of pneumococcal bacteremia. Scher KS, et al. **Ann Surg** 1985 Nov;202(5):595–9

Genetic influences on splenic function in coeliac disease. O'Grady JG, et al. **Gut** 1985 Oct;26(10):1004–7

Acquired functional asplenia in sarcoidosis. Stone RW, et al. **J Natl Med Assoc** 1985 Nov;77(11):930, 935–6

Discrepancy between pit counting and spleen function tests in nutritional anemias and hemoglobinopathy C. Zago MA, et al. **Nouv Rev Fr Hematol** 1986;28(2):81–4

Splenic function in children with sickle cell disease: two different patterns in Saudi Arabia. Babiker MA, et al. **Scand J Haematol** 1985 Aug;35(2):191–3

Direct evidence that high dose intravenous gammaglobulin blocks splenic and hepatic sequestration of 51Cr-labeled platelets in ITP [letter] Morfini M, et al. **Thromb Haemost** 1985 Aug 30;54(2):554

Splenic erythropoiesis in rats under hypoxic and post-hypoxic conditions. Stutte HJ, et al. **Virchows Arch [A]** 1986;409(2):251–61

Spleen function in diseases [letter] Pereira J, et al. **World J Surg** 1986 Apr;10(2):345–6

["Pocked" red cells in the evaluation of splenic function] Fang WW. **Chung Hua I Hsueh Tsa Chih** 1985 Dec;65(12):723–5 (Eng. Abstr.) **(Chi)**

["Wandering spleen": preoperative diagnosis by echotomography of the abdomen (review of the literature and report of a case)] Scicolone G, et al. **Chir Ital** 1986 Feb;38(1):72–9 (Eng. Abstr.) **(Ita)**

[Splenic contraction in patients with various disorders] Iio A, et al. **Kaku Igaku** 1986 Mar;23(3):259–66 (Eng. Abstr.) **(Jpn)**

RADIATION EFFECTS

In vivo spin trapping of free radicals generated in brain, spleen, and liver during gamma radiation of mice. Lai EK, et al. **Arch Biochem Biophys** 1986 Jan;244(1):156–60

Splenic irradiation in the treatment of patients with chronic myelogenous leukemia or myelofibrosis with myeloid metaplasia. Results of daily and intermittent fractionation with and without concomitant hydroxyurea. Wagner H Jr, et al. **Cancer** 1986 Sep 15;58(6):1204–7

The carriage and delivery of substances to lymphatic tissues by recirculating lymphocytes. II. Long-term selective irradiation of the spleen and lymph nodes by deposition of indium-114m. Birch M, et al. **Immunology** 1986 Jul; 58(3):359–64

Visceral CT findings associated with Thorotrast. Rao BK, et al. **J Comput Assist Tomogr** 1986 Jan–Feb;10(1):57–61

Selectively eliminated blood monocytes and splenic suppressor macrophages in mice depleted of bone marrow by strontium 89. Shibata Y, et al. **J Leukocyte Biol** 1985 Dec;38(6):659–69

Studies on sulphydryl radioprotectors in mouse spleen and peripheral blood cells against gamma rays. Kumar S, et al. **Radiobiol Radiother (Berl)** 1985;26(3):373–7

RADIOGRAPHY

The spleen in Hodgkin disease: diagnostic value of CT. Gilbert T, et al. **Invest Radiol** 1986 May;21(5):437–9

Intraoperative determination of the patency of the distal splenorenal shunt. Albertson DA, et al. **Surg Gynecol Obstet** 1986 Jul;163(1):80–1

[Value of computer tomographic determination of spleen size for the elucidation of splenic involvement within the framework of primary lymph node neoplasms] Herter M, et al. **ROFO** 1985 Oct;143(4):452–6 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Liver-spleen scintigraphy in patients with acquired immunodeficiency syndrome. Smith R. **AJR** 1985 Dec; 145(6):1201–4

The place of liver-spleen scanning in the workup of giant secondary cysts of the spleen. Hartshorne MF, et al. **Clin Nucl Med** 1986 Jan;11(1):4–7

Liver-spleen scintigraphy in glycogen storage disease (glycogenoses). Heyman S. **Clin Nucl Med** 1985 Dec; 10(12):839–43

Incidental vertebral lesions identified during technetium-99m sulfur colloid liver-spleen imaging. Shih WJ, et al. **Clin Nucl Med** 1986 Aug;11(8):585–9

Simultaneous demonstration of pleural effusion and ascites by technetium-99m sulfur colloid liver-spleen scintigraphy. Shih WJ, et al. **Clin Nucl Med** 1985 Sep;10(9):637–8

False-positive spleen imaging. Splenic cleft and accessory spleen. Slavin JD Jr, et al. **Clin Nucl Med** 1986 Jul; 11(7):509–10

Technetium-99m red blood cell blood-pool imaging in functional asplenia due to leukemic infiltration. Yoo JH, et al. **Clin Nucl Med** 1986 Jul;11(7):493–4

Estimation of thorium deposited in Thorotrast patients by CT scanner in comparison with whole body counter. Miyajima J, et al. **J Radiat Res (Tokyo)** 1985 Jun; 26(2):196–210

The displaced spleen. Moreno AJ, et al. **Semin Nucl Med** 1986 Jul;16(3):216–7

[Hepatic and splenic echography and scintigraphy in patients with beta-thalassemia given multiple transfusions] Agnello D, et al. **Minerva Pediatr** 1985 Sep 15;37(17):587–92 (Eng. Abstr.) **(Ita)**

[Efficiency of hepatosplenic scintigraphy in the detection of hepatic metastases in gastric cancer] Massardo T, et al. **Rev Med Chil** 1985 Feb;113(2):129–33 (Eng. Abstr.) **(Spa)**

SECRETION

Diabetes in the Bio-Breeding/Worcester rat. Induction and acceleration by spleen cell-conditioned media. Handler ES, et al. **J Clin Invest** 1985 Oct;76(4):1692–4

SURGERY

Autologous splenic implantation in pigs. A comparison of two methods. Saksø P, et al. **Acta Chir Scand** 1985; 151(5):409–11

Splenic resection for benign cyst. A case report and technical comments. Svartholm EG, et al. **Acta Chir Scand** 1985; 151(5):491–4

Splenic trauma and salvage. O'Connor GS, et al. **Am Surg** 1986 Aug;52(8):456–62

Retroperitonealization for quick splenic salvage during transperitoneal nephrectomy. Ogawa Y, et al. **Hinyokika Kiyo** 1985 Aug;31(8):1441–3

Successful splenosis following autologous splenic implantation. Nicholson S, et al. **J R Coll Surg Edinb** 1986 Apr;31(2):67–71

Splenic salvage. Scanland J, et al. **J Tenn Med Assoc** 1985 Sep;78(9):573–4

Woven polyglycolic acid mesh has increased the opportunity for safe splenic repair [letter] Light A, et al. **J Trauma** 1986 Mar;26(3):297

Splenic salvage techniques in the management of pseudocysts of the spleen. Brown JJ, et al. **South Med J** 1986 Jun; 79(6):710–1

[Infrared coagulation] van der Werken C, et al. **Ned Tijdschr Geneeskd** 1985 Aug 3;129(31):1486–8 **(Dut)**

[Toward conservative surgery of the spleen] Borges d'Almeida JA. **Bull Acad Natl Med (Paris)** 1985 Feb; 169(2):217–24 **(Fre)**

[Staging of splenic rupture—surgical consequences in childhood] Roth H, et al. **Chirurg** 1986 Apr;57(4):194–7 **(Ger)**

[Anatomically related surgery of the spleen] Streicher HJ. **Chirurg** 1986 Apr;57(4):177–81 **(Ger)**

[Influence of splenic reimplantation on the immunohematologic function in patients splenectomized for injury in childhood. Clinical study of 3 cases] Meinero M, et al. **Minerva Pediatr** 1985 Sep 30;37(18):659–62 (Eng. Abstr.) **(Ita)**

[Problem of splenic injuries in children: splenectomy and the possibilities of avoiding it] Chilarski A. **Pediatr Pol** 1985 Oct;60(10):680–6 **(Pol)**

[New tactical maneuver for hemostasis of parenchymal organs] Deutsch CR, et al. **Arq Gastroenterol** 1985 Jan–Mar;22(1):17–20 (Eng. Abstr.) **(Por)**

[Conservative surgery of the spleen (letter)] Seco Gil JL. **Rev Esp Enferm Apar Dig** 1985 Nov;68(5):468 **(Spa)**

TRANSPLANTATION

Spleen transplantation: I. Experimental observations on autotransplantation of splenic tissue into omental pouch. Liu LX, et al. **Acta Acad Med Wuhan** 1985;5(3):185–9

Partial experimental autotransplantation of the spleen. Bornemisza G, et al. **Acta Chir Hung** 1986;27(2):79–86

Enhanced regeneration of transplanted splenic tissue by increased work load. Pabst R, et al. **Adv Exp Med Biol** 1985;186:565–9

Proliferation and migration of grafted hemopoietic cells during a graft-versus-host reaction induced by minor non-H-2 histocompatibility antigens in the mouse. Spach C, et al. **Biomed Pharmacother** 1985;39(6):298–309

Suppression of adjuvant arthritis in rats by transfer of cultured spleen cells. Ogawa H, et al. **Clin Exp Immunol** 1986 Apr;64(1):88–93

Autotransplantation of splenic fragments: lymphocyte subsets in blood, lymph nodes and splenic tissue. Westermann J, et al. **Clin Exp Immunol** 1986 Apr;64(1):188–94

Technetium-99m sulfur colloid imaging of vascular thrombosis in pancreaticosplenic transplant. Grassi CJ, et al. **Clin Nucl Med** 1986 Aug;11(8):558–9

Scintigraphic demonstration of viable splenic autotransplant. Szasz IJ, et al. **Clin Nucl Med** 1986 Mar;11(3):209–10

Therapeutic efficacy of the transplantation of isolated hepatocytes in rats with surgically induced acute hepatic

failure: a study of the mechanism. Demma I, et al. **Eur Surg Res** 1986;18(1):12–8

Assessment of splenic function in dogs following arterial ligation and autotransplantation. Feigenberg Z, et al. **Isr J Med Sci** 1985 Jul;21(7):579–83

Monoclonal antibodies to human beta-interferon produced by adoptive transfer in irradiated mice. Thompson KJ, et al. **J Interferon Res** 1986 Feb;6(1):59–65

Autotransplantation of splenic tissue. Pabst R, et al. **J Pediatr Surg** 1986 Feb;21(2):120–4

The use of spleen transplantation and cyclosporine treatment to induce unresponsiveness to pancreatic islet transplantation in rats. Gray DW, et al. **J Surg Res** 1986 Jan;40(1):77–84

Graft irradiation abrogates graft-versus-host disease in combined pancreas-spleen transplantation. Schulak JA, et al. **J Surg Res** 1986 Apr;40(4):326–31

Karyotypic chimerism and rejection in a pancreaticoduodenosplenic transplant. Dafoe DC, et al. **Transplantation** 1985 Nov;40(5):572–4

Association of inclusion of the donor spleen in pancreaticoduodenal transplantation with rejection. Dafoe DC, et al. **Transplantation** 1985 Dec;40(6):579–84

Lethal graft-versus-host disease in a recipient of a pancreas-spleen transplant. Deierhoi MH, et al. **Transplantation** 1986 Apr;41(4):544–6

Induction of transplantation tolerance in rats by spleen allografts. I. Evidence that rats tolerant of spleen allografts contain two phenotypically distinct T suppressor cells. Duncan WR, et al. **Transplantation** 1986 May;41(5):626–33

Neovascularization in the splenic autograft transplanted into rat omentum as studied by scanning electron microscopy of vascular casts. Sasaki K. **Virchows Arch [A]** 1986; 409(3):325–34

[Autotransplantation of the traumatized spleen: a report of 20 cases] Hou YD, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Oct;23(10):617–8, 638–9 (Eng. Abstr.) **(Chi)**

[Salmonella infection after posttraumatic splenectomy and autologous splenic tissue implantation] Schröder HM, et al. **Ugeskr Laeger** 1985 Nov 25;147(48):3913 (Eng. Abstr.) **(Dan)**

[Splenic autotransplantation. An advantageous alternative to splenectomy for splenic injury] Sibilly A, et al. **Chirurgie** 1985;111(9):742–50 (Eng. Abstr.) **(Fre)**

[Autotransplantation of the spleen. A new possibility in the conservative surgery of the spleen] Jung F, et al. **J Chir (Paris)** 1986 Feb;123(2):91–5 (Eng. Abstr.) **(Fre)**

[Autotransplantation of the spleen. An indispensable complement to hemostatic splenectomy (letter)] Jung F, et al. **Presse Med** 1986 May 3;15(18):847 **(Fre)**

[Autotransplantation of splenic tissue. Clinical and experimental principles—a review] Böttcher W, et al. **Aktuel Probl Chir Orthop** 1985;30:64–71 **(Ger)**

[Replantation of autologous splenic tissue. Clinical results] Dürig M, et al. **Aktuel Probl Chir Orthop** 1985;30:72–81 **(Ger)**

[Light and immunohistochemical findings of human spleen autotransplants] Gudat F, et al. **Aktuel Probl Chir Orthop** 1985;30:93–101 **(Ger)**

[Attempt at status determination with regard to the spleen] Harder F. **Aktuel Probl Chir Orthop** 1985;30:113–6 **(Ger)**

[Cellular changes in peripheral blood following splenectomy and replantation of autologous splenic tissue in adults] Landmann RM, et al. **Aktuel Probl Chir Orthop** 1985; 30:102–6 **(Ger)**

[Experimental studies on the perfusion of autologous splenic transplants] Pabst R. **Aktuel Probl Chir Orthop** 1985; 30:90–2 **(Ger)**

[New references for the prevention of pneumococcal infection by replantation of splenic tissue] Patel JM, et al. **Aktuel Probl Chir Orthop** 1985;30:82–9 **(Ger)**

[Antibody response to pneumococcal polysaccharide antigens following splenectomy and replantation of autologous splenic tissue] Sklenar I, et al. **Aktuel Probl Chir Orthop** 1985;30:107–12 **(Ger)**

[Autologous replantation of spleen particles—an established procedure? An opinion] Hohenberger W, et al. **Chirurg** 1985 Oct;56(10):659–62 (Eng. Abstr.) **(Ger)**

[Transplantation of the spleen—status determination] Seufert RM. **Chirurg** 1986 Apr;57(4):182–8 **(Ger)**

[Do you consider replantation of spleen tissue following splenectomy for traumatic splenic rupture as routine by now?] Farthmann EH, et al. **Langenbecks Arch Chir** 1985; 365(2):147–52 **(Ger)**

[Autotransplant of splenic tissue in the omental pouch after splenectomy for injury. Surgical technic] Gaetini A, et al. **Minerva Chir** 1985 Nov 15;40(21):1473–5 (Eng. Abstr.) **(Ita)**

[Assessment of cellular immunity in a suckling infant after splenectomy and autologous transplantation of splenic tissue] D'Avanzo M, et al. **Minerva Pediatr** 1986 Jun 30; 38(11–12):463–5 (Eng. Abstr.) **(Ita)**

[Isolated thrombosis of the splenic vein in an infant. Splenectomy and reimplantation of splenic tissue] Esposito G, et al. **Pediatr Med Chir** 1985 Jan–Feb;7(1):77–80 (Eng. Abstr.) **(Ita)**

[The immunological studies on the splenectomy and the splenic autotransplantation in BALB/C mice] Yano M. **Nippon Geka Gakkai Zasshi** 1985 Oct;86(10):1388–96 (Eng. Abstr.) **(Jpn)**

[Transplantation of the spleen and splenic tissue] Majewski W. **Pol Tyg Lek** 1986 Jun 2;41(22):721–6 (79 ref.) **(Pol)**

[Autologous transplantation of splenic tissue to the muscles of the abdominal wall] Zlarek S, et al. **Przegl Lek** 1986; 43(4):375–8 (Eng. Abstr.) **(Pol)**

[Splenectomy and autotransplantation of splenic parenchyma] Badowski A, et al. **Wiad Lek** 1985 Jun 1;38(11):795–9 (Eng. Abstr.) **(Pol)**

[Function of the thrombocyte component of hemostasis in patients following splenectomy and the reimplantation of spleen fragments] Kuzin MI, et al. **Gematol Transfuziol** 1985 Aug;30(8):26–9 (Eng. Abstr.) **(Rus)**

[Heterotopic autotransplantation of splenic tissue after splenectomy] Vinogradov VV, et al. **Khirurgiia (Mosk)** 1986 Feb;(2):87–9 (Eng. Abstr.) **(Rus)**

[Splenic autograft in an 8-year-old child] Bobrov OE, et al. **Klin Khir** 1986;(6):75 **(Rus)**

[Autotransplantation of splenic tissue following splenectomy] Mironenko ON. **Klin Khir** 1985;(9):50–1 (Eng. Abstr.) **(Rus)**

[Spontaneous autograft of the spleen after its closed injury] Nichitallo ME, et al. **Klin Khir** 1986;(1):63–4 **(Rus)**

[Condition of peripheral blood and bone marrow after experimental allogenic spleen transplantation] Safarov SIu, et al. **Patol Fiziol Eksp Ter** 1985 Sep–Oct;(5):55–9 (Eng. Abstr.) **(Rus)**

[Morphologic basis for autotransplantation of splenic tissue] Mironenko ON, et al. **Vrach Delo** 1985 Nov;(11):71–4 (Eng. Abstr.) **(Rus)**

[Viability of implants of splenic tissue] de Haro J, et al. **Rev Clin Esp** 1986 Apr;178(7):327–9 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Eosinophilic leukemia with prominent visceral involvement: histopathological and histochemical observations. Bianco P, et al. **Appl Pathol** 1984;2(5):247–54

Ultrastructural studies of experimental endotoxin shock in the liver and spleen: therapeutic effects of low-dose heparin on reticuloendothelial disturbances. Onda M, et al. **Circ Shock** 1986;18(1):11–9

Stress fibers in the splenic sinus endothelium in situ: molecular structure, relationship to the extracellular matrix, and contractility. Drenckhahn D, et al. **J Cell Biol** 1986 May;102(5):1738–47

[Silicone inclusions in the spleen in a patient under chronic hemodialysis] Gosselin B, et al. **Ann Pathol** 1985; 5(4–5):299–304 (Eng. Abstr.) **(Fre)**

[Activity of the nucleolus-organizing regions of the chromosomes of normal and transformed spleen cells in the African green monkey] Khapchaev IuKh, et al. **Tsitologiia** 1985 Oct;27(10):1189–91 (Eng. Abstr.) **(Rus)**

SPLEEN FOCUS-FORMING VIRUSES see under **MOUSE LEUKEMIA VIRUSES**

SPLENECTOMY

Emergency splenectomy in hairy cell leukemia. Coser P, et al. **Acta Haematol (Basel)** 1985;74(2):116–7

T lymphocyte subsets and platelet-associated IgG in idiopathic thrombocytopenic purpura: effect of splenectomy. Leone G, et al. **Acta Haematol (Basel)** 1986; 75(2):83–8

Prognostic influence of early diagnostic splenectomy in Hodgkin's disease. A long-term follow-up. Askergren J, et al. **Acta Med Scand** 1986;219(3):315–22

Chronic relapsing experimental allergic neuritis in Lewis rats: effects of thymectomy and splenectomy. Craggs RI, et al. **Acta Neuropathol (Berl)** 1986;70(1):22–9

IgG and IgM antibody responses to pneumococcal vaccination in splenectomized children and in children who had non-operative management of splenic rupture. Kalin M, et al. **Acta Paediatr Scand** 1986 May;75(3):452–6

Beta-adrenergic regulation of the blood lymphocyte phenotype distribution in normal subjects and splenectomized patients. Landmann R, et al. **Adv Exp Med Biol** 1985;186:1051–62

The effects of splenectomy on engraftment and platelet transfusion requirements in patients with chronic myelogenous leukemia undergoing marrow transplantation. Banaji M, et al. **Am J Hematol** 1986 Jul;22(3):275–83

Increased low-density lipoprotein levels after splenectomy: a role for the spleen in cholesterol metabolism in myeloproliferative disorders. Aviram M, et al. **Am J Med Sci** 1986 Jan;291(1):25–8

Effect of splenectomy on acute inflammation. Franco CD, et al. **Am Surg** 1986 Jun;52(6):337–9

Splenectomy in systemic lupus erythematosis. Gruenberg JC, et al. **Am Surg** 1986 Jul;52(7):366–70

Splenunculectomy in thrombocytopenic purpura. Reid MM, et al. **Arch Dis Child** 1986 Feb;61(2):192–4

Evaluation of immunity of sheep after splenectomy, splenic artery ligation and autotransplantation of splenic tissue. Badowski A, et al. **Arch Immunol Ther Exp (Warsz)** 1985; 33(3):471–88

Rarity of failure of penicillin prophylaxis to prevent postsplenectomy sepsis. Zarrabi MH, et al. **Arch Intern Med** 1986 Jun;146(6):1207–8 (18 ref.)

Primary treatment of hairy cell leukemia: should IFN-therapy replace splenectomy? Porzsolt F. **Blut** 1986 May;52(5):265–72

Clinical and immunological results of segmental splenectomy in schistosomiasis. Kamel R, et al. **Br J Surg** 1986 Jul; 73(7):544–7

Hairy cell leukemia. Durability of response to splenectomy in 26 patients and treatment of relapse with androgens in six patients. Magee MJ, et al. **Cancer** 1985 Dec 1; 56(11):2557–62

Splenectomy for hairy cell leukemia. A clinical review of 63 patients. Van Norman AS, et al. **Cancer** 1986 Feb 1; 57(3):644–8

Permanent large granular lymphocytosis in the blood of splenectomized individuals without concomitant increase of in vitro natural killer cell cytotoxicity. Kelemen E, et al. **Clin Exp Immunol** 1986 Mar;63(3):696–702

Lack of effect of splenic regrowth on the reduced antibody responses to pneumococcal polysaccharides in splenectomized patients. Kiroff GK, et al. **Clin Exp Immunol** 1985 Oct;62(1):48–56

Class and subclass anti-pneumococcal antibody responses in splenectomized patients. Oldfield S, et al. **Clin Exp Immunol** 1985 Sep;61(3):664–73

Cells involved in the immune response. XXXII. Surgical extirpation of the spleen in the early memory period following primary i.v. immunization of the outbred rabbit results in a marked impairment of a subsequent immune response to the specific antigen: an immunological explanation for the overwhelming postsplenectomy syndrome. Barron P, et al. **Clin Immunol Immunopathol** 1986 May;39(2):256–63

Effect of splenectomy on destructive bone changes in children with chronic (Type I) Gaucher disease. Ashkenazi A, et al. **Eur J Pediatr** 1986 Apr;145(1–2):138–41

Splenectomy for optimal cytoreduction in ovarian cancer. Malfetano JH. **Gynecol Oncol** 1986 Jul;24(3):392–4

High dose intravenous gammaglobulin in idiopathic thrombocytopenic purpura as preparation for splenectomy. Bogliolo G, et al. **Haematologica (Pavia)** 1985 Jul–Aug; 70(4):350–3

Compliance with oral penicillin prophylaxis in splenectomized thalassaemic patients. Di Palma A, et al. **Haematologica (Pavia)** 1985 May–Jun;70(3):221–4

Abrogation of dengue virus-induced alterations of Fc-receptor functions of macrophages by splenectomy or drug treatment. Nagar R, et al. **Indian J Med Res** 1985 Jun;81:537–46

Induction of early-phase endotoxin tolerance in athymic (nude) mice, B-cell-deficient (xid) mice, and splenectomized mice. Madonna GS, et al. **Infect Immun** 1986 Sep;53(3):707–10

Effect of splenectomy on the efficiency of chemo-immunotherapy of melanoma-bearing mice. Kopel S, et al. **Int J Immunopharmacol** 1985;7(6):801–10

Effect of a protein bound polysaccharide (PS-K) on tumor development and infections in splenectomized rats and mice. Sabolovic D, et al. **Int J Immunopharmacol** 1986; 8(1):41–6

Acute sodium bicarbonate does not affect renal hemodynamics in splenectomized dogs. Joles JA, et al. **Int J Sports Med** 1985 Oct;6(5):301–2

Assessment of splenic function in dogs following arterial ligation and autotransplantation. Feigenberg Z, et al. **Isr J Med Sci** 1985 Jul;21(7):579–83

Splenectomy in post-transfusion purpura: report of a case. Eden GW, et al. **J Am Osteopath Assoc** 1985 Jul; 85(7):443–6

Sepsis in the early postsplenectomy period. Eichert SJ. **J Am Osteopath Assoc** 1986 Apr;86(4):240–2

Splenectomy as adjunctive therapy for immune-mediated thrombocytopenia and hemolytic anemia in the dog. Feldman BF, et al. **J Am Vet Med Assoc** 1985 Sep 15; 187(6):617–9

Hypocellular marrow and extramedullary hematopoiesis in a dog: hematologic recovery after splenectomy. Kuehn NF, et al. **J Am Vet Med Assoc** 1986 Jun 1;188(11):1313–5

Hyposplenism and T lymphocyte subpopulations in coeliac disease and after splenectomy. Foster PN, et al. **J Clin Lab Immunol** 1985 Jun;17(2):75–7

Serum opsonic activity after pneumococcal vaccination in splenectomized individuals as measured by a nitroblue tetrazolium (NBT) reduction micromethod. Urban T, et al. **J Clin Lab Immunol** 1986 Jan;19(1):49–52

Size of spleen rather than amount of platelet sequestration may determine long term responses to splenectomy in adult idiopathic thrombocytopenic purpura. Boughton BJ, et al. **J Clin Pathol** 1985 Oct;38(10):1172–4

Increased total serum IgE concentration in patients who have undergone splenectomy after trauma. Chelazzi G, et al. **J Clin Pathol** 1985 Nov;38(11):1309–10

Defective activation of neutrophils after splenectomy. Foster PN, et al. **J Clin Pathol** 1985 Oct;38(10):1175–8

Splenectomy in myasthenia gravis: a therapeutic concept? Hofmann WE, et al. **J Neurol** 1985;232(4):215–8

Autotransplantation of splenic tissue. Pabst R, et al. **J Pediatr Surg** 1986 Feb;21(2):120–4

Partial splenectomy in Gaucher's disease. Rubin M, et al. **J Pediatr Surg** 1986 Feb;21(2):125–8

Immunobiological consequences of splenectomy: a review. Llende M, et al. **J Surg Res** 1986 Jan;40(1):85–94 (112 ref.)

Systemic lupus erythematosus with abdominal crisis: an interesting and unusual case. Johnson JF Jr. **J Tenn Med Assoc** 1986 Jan;79(1):13–4

Splenectomy before bone marrow transplantation in chronic granulocytic leukaemia [letter] **Lancet** 1986 Jan 25; 1(8474):212–3

Effect of splenectomy before bone-marrow transplantation on survival in chronic granulocytic leukaemia. Gratwohl A, et al. **Lancet** 1985 Dec 7;2(8467):1290-1

Impairment of polymorphonuclear leukocyte and macrophage functions in splenectomized patients [letter] Simon M Jr, et al. **N Engl J Med** 1985 Oct 24;313(17):1092

Overwhelming infection after splenectomy: a challenge to preventive medicine. Craig JB, et al. **NC Med J** 1985 Nov; 46(11):570-1

Case report--relapse of hereditary spherocytosis following splenectomy. Satou S, et al.
Nippon Ketsueki Gakkai Zasshi 1985 Sep;48(6):1337-40

Plasma thrombospondin in patients with chronic renal failure, liver disease and splenectomy. Trzeciak MC, et al.
Thromb Res 1985 Oct 1;40(1):121-8

Splenectomy and donor-specific blood transfusion in rat cardiac allografts. Balshi JD, et al. **Transplantation** 1986 Jan;41(1):118-20

Splenectomy in experimental pancreas transplantation. Schulak JA, et al. **Transplantation** 1985 Nov;40(5):564-6

Dynamics of Anaplasma marginale in splenectomised calves treated with either imidocarb or oxytetracycline. Kuttler KL. **Trop Anim Health Prod** 1986 May;18(2):91-6

Compliance with penicillin prophylaxis by children with impaired splenic function. Babiker MA.
Trop Geogr Med 1986 Jun;38(2):119-22

A combination of IgG and IgM autoantibodies in chronic cold agglutinin disease: immunologic studies and response to splenectomy. Silberstein LE, et al. **Vox Sang** 1985; 48(2):105-9

[Pericardial and gastro-fundic devascularization with splenectomy in esophago-fundic varices] Tang YQ, et al. **Chung Hua Wai Ko Tsa Chih** 1984 Dec;22(12):730-1, 781 (Eng. Abstr.) (Chi)

[Splenectomy in hematologic diseases in childhood] Novák M, et al. **Rozhl Chir** 1986 Mar;65(3):167-72 (Eng. Abstr.) (Cze)

[Immune response in splenectomized children to anti-pneumococcal vaccination] Hartmann JF, et al.
Arch Fr Pediatr 1985 May;42(5):345-51 (Eng. Abstr.) (Fre)

[Treatment of hypersplenism. Partial dearterialization of the spleen, partial splenectomy or non-surgical partial embolization (letter)] Bastid C, et al. **Presse Med** 1986 May 17;15(20):935 (Fre)

[Fulminant gram-negative (CDC-dysgonic-fermenter 2) septicemia in a splenectomized patient] Yersin B, et al.
Schweiz Med Wochenschr 1986 Apr 19;116(16):507-9 (Eng. Abstr.) (Fre)

[Prevention of infection following splenectomy] Huber OF, et al. **Schweiz Rundsch Med Prax** 1985 Jun 4;74(23):611-4 (Eng. Abstr.) (Fre)

[Splenectomy and its alternatives. New clinical and experimental findings] **Aktuel Probl Chir Orthop** 1985; 30:1-119 (Ger)

[Autotransplantation of splenic tissue. Clinical and experimental principles--a review] Böttcher W, et al.
Aktuel Probl Chir Orthop 1985;30:64-71 (Ger)

[Splenectomy and in vitro antipneumococcal polysaccharide antibody formation] Di Padova F, et al.
Aktuel Probl Chir Orthop 1985;30:46-52 (Ger)

[Replantation of autologous splenic tissue. Clinical results] Dürig M, et al. **Aktuel Probl Chir Orthop** 1985;30:72-81 (Ger)

[Follow-up after splenectomy in adults] Dürig M.
Aktuel Probl Chir Orthop 1985;30:39-42 (Ger)

[Early complications of splenectomy in the adult] Dürig M, et al. **Aktuel Probl Chir Orthop** 1985;30:30-8 (Ger)

[Postsplenectomy infection] Dürig M, et al.
Aktuel Probl Chir Orthop 1985;30:43-5 (Ger)

[Splenectomy and segment resection in traumatic splenic rupture] Frede KE. **Aktuel Probl Chir Orthop** 1985; 30:59-63 (Ger)

[Light and immunohistochemical findings of human spleen autotransplants] Gudat F, et al.
Aktuel Probl Chir Orthop 1985;30:93-101 (Ger)

[Splenectomy and staging laparotomy in Hodgkin's disease] Harder F. **Aktuel Probl Chir Orthop** 1985;30:27-9 (Ger)

[Attempt at status determination with regard to the spleen] Harder F. **Aktuel Probl Chir Orthop** 1985;30:113-6 (Ger)

[Cellular changes in peripheral blood following splenectomy and replantation of autologous splenic tissue in adults] Landmann RM, et al. **Aktuel Probl Chir Orthop** 1985; 30:102-6 (Ger)

[New references for the prevention of pneumococcal infection by replantation of splenic tissue] Patel JM, et al.
Aktuel Probl Chir Orthop 1985;30:82-9 (Ger)

[Antibody response to pneumococcal polysaccharide antigens following splenectomy and replantation of autologous splenic tissue] Sklenar I, et al.
Aktuel Probl Chir Orthop 1985;30:107-12 (Ger)

[Indications for splenectomy in hematologic diseases] Tichelli A, et al. **Aktuel Probl Chir Orthop** 1985;30:19-26 (Ger)

[Effects of splenectomy] Dürig M, et al. **Chirurg** 1986 Apr; 57(4):189-93 (Ger)

[Autologous replantation of spleen particles--an established procedure? An opinion] Hohenberger W, et al. **Chirurg** 1985 Oct;56(10):659-62 (Eng. Abstr.) (Ger)

[Transplantation of the spleen--status determination] Seufert RM. **Chirurg** 1986 Apr;57(4):182-8 (Ger)

[Combined treatment strategy in over 200 children with Hodgkin's disease: graduated chemotherapy, involved field irradiation with low dosage and selective splenectomy. A report of the cooperative therapy study DAL-HD-82] Schellong G, et al. **Klin Padiatr** 1986 May-Jun; 198(3):137-46 (Eng. Abstr.) (Ger)

[Do you consider replantation of spleen tissue following splenectomy for traumatic splenic rupture as routine by now?] Farthmann EH, et al. **Langenbecks Arch Chir** 1985; 365(2):147-52 (Ger)

[Partial splenectomy in homozygous beta-thalassemia] Alebouyeh M, et al. **Monatsschr Kinderheilkd** 1985 Aug; 133(8):549-51 (Eng. Abstr.) (Ger)

[Preventability of the OPSI syndrome?] Cario WR, et al. **Padiatr Grenzgeb** 1986;25(2-3):239-49 (Eng. Abstr.) (Ger)

[Evaluation of micro- and macrophage function in splenectomized patients--possible dermatologic consequences] Simon M Jr, et al. **Z Hautkr** 1986 May 15; 61(10):711-5 (Eng. Abstr.) (Ger)

[A case of hyperacute systemic lupus erythematosus with hematologic complications in a splenectomized patient] Gueli N, et al. **Clin Ter** 1986 Jun 15;117(5):427-30 (Eng. Abstr.) (Ita)

[Clinical, hematological and immunological considerations in a group of patients splenectomized due to a traumatic event] Basile G, et al. **Minerva Chir** 1985 Aug 15-31; 40(15-16):1071-8 (Eng. Abstr.) (Ita)

[Blood coagulation system after splenic resection] Di Vita G, et al. **Minerva Chir** 1985 Nov 15;40(21):1481-5 (Eng. Abstr.) (Ita)

[Blood coagulation system 90 days after splenectomy] Di Vita G, et al. **Minerva Chir** 1985 Nov 15;40(21):1477-80 (Eng. Abstr.) (Ita)

[Splenectomy in idiopathic thrombocytopenic purpura] Negro G, et al. **Minerva Chir** 1986 Mar 31;41(5-6):331-6 (Ita)

[Splenectomy in portal hypertension. Our experience] Rubino R, et al. **Minerva Chir** 1986 Apr 15;41(7):547-8 (Ita)

[Assessment of cellular immunity in a suckling infant after splenectomy and autologous transplantation of splenic tissue] D'Avanzo M, et al. **Minerva Pediatr** 1986 Jun 30; 38(11-12):463-5 (Eng. Abstr.) (Ita)

[Influence of splenic reimplantation on the immunohematologic function in patients splenectomized for injury in childhood. Clinical study of 3 cases] Meinero M, et al. **Minerva Pediatr** 1985 Sep 30;37(18):659-62 (Eng. Abstr.) (Ita)

[Hemorheologic characteristics in beta-thalassemic homozygotes before and after splenectomy] Agosti R, et al. **Pediatr Med Chir** 1985 Jan-Feb;7(1):73-6 (Eng. Abstr.) (Ita)

[Role of splenectomy in Chediak-Higashi syndrome in its accelerated phase] Ammaturo C, et al.
Pediatr Med Chir 1985 Jul-Aug;7(4):593-7 (Eng. Abstr.) (Ita)

[Isolated thrombosis of the splenic vein in an infant. Splenectomy and reimplantation of splenic tissue] Esposito G, et al. **Pediatr Med Chir** 1985 Jan-Feb;7(1):77-80 (Eng. Abstr.) (Ita)

[Efficacy of splenectomy in 2 cases of hemolytic anemia caused by pyruvate kinase deficiency] Savanelli A, et al.
Pediatria (Napoli) 1983 Oct-Dec;91(4):419-27 (Eng. Abstr.) (Ita)

[Evaluation of splenectomy in total gastrectomy for gastric cancer] Tamada R, et al. **Nippon Geka Gakkai Zasshi** 1985 Sep;86(9):1124-7 (Eng. Abstr.) (Jpn)

[Effect of splenectomy on hepatic regeneration in rats] Taniura M. **Nippon Geka Gakkai Zasshi** 1986 Apr; 87(4):423-34 (Eng. Abstr.) (Jpn)

[The role of the spleen in immunosuppression and the effects of splenectomy on prognosis in gastric cancer patients] Toge T, et al. **Nippon Geka Gakkai Zasshi** 1985 Sep; 86(9):1120-3 (Eng. Abstr.) (Jpn)

[The immunological studies on the splenectomy and the splenic autotransplantation in BALB/C mice] Yano M.
Nippon Geka Gakkai Zasshi 1985 Oct;86(10):1388-96 (Eng. Abstr.) (Jpn)

[Studies on granulocyte elastase in plasma. (II) Plasma granulocyte-elastase levels in patients with surgical diseases] Shimanuki K, et al. **Rinsho Byori** 1985 Nov; 33(11):1289-94 (Jpn)

[A case of primary myelofibrosis transformed into AMMoL after an excision of the spleen] Furukawa H, et al.
Rinsho Ketsueki 1986 Mar;27(3):349-54 (Eng. Abstr.) (Jpn)

[Thrombotic thrombocytopenic purpura: report of a case recovering after splenectomy and plasma exchange] Nozaki H, et al. **Rinsho Ketsueki** 1985 Nov;26(11):1849-53 (Eng. Abstr.) (Jpn)

[Problem of splenic injuries in children: splenectomy and the possibilities of avoiding it] Chilarski A. **Pediatr Pol** 1985 Oct;60(10):680-6 (Pol)

[Clinical significance of thrombocytosis following splenectomy in patients with blood diseases] Beknazarov IaB, et al. **Gematol Transfuziol** 1986 Jun;31(6):41-3 (Eng. Abstr.) (Rus)

[The number of stromal and granulocyte and macrophage precursor cells in human and animal bone marrow before and after splenectomy] Kolesnikova AI, et al.
Gematol Transfuziol 1985 Oct;30(10):31-3 (Eng. Abstr.) (Rus)

[Function of the thrombocyte component of hemostasis in patients following splenectomy and the reimplantation of spleen fragments] Kuzin MI, et al. **Gematol Transfuziol** 1985 Aug;30(8):26-9 (Eng. Abstr.) (Rus)

[Results of splenectomy in Gaucher's disease] Sarnitskiĭ IP, et al. **Gematol Transfuziol** 1986 Jul;31(7):39-41 (Eng. Abstr.) (Rus)

[Emergency splenectomy in patients with thrombocytopenic purpura] Tsepa LS, et al. **Gematol Transfuziol** 1986 Mar; 31(3):33-6 (Eng. Abstr.) (Rus)

[Heterotopic autotransplantation of splenic tissue after splenectomy] Vinogradov VV, et al. **Khirurgiia (Mosk)** 1986 Feb;(2):87-9 (Eng. Abstr.) (Rus)

[Autotransplantation of splenic tissue following splenectomy] Mironenko ON. **Klin Khir** 1985;(9):50-1 (Eng. Abstr.) (Rus)

[Splenectomy as an operation of desperation in children with blood diseases] Sitkovskiĭ NB, et al. **Klin Khir** 1986;(6):74 (Rus)

[Clinico-experimental basis for splenectomy in treating chronic liver diseases] Stoliarov EA. **Klin Khir** 1985; (9):48-9 (Eng. Abstr.) (Rus)

[Splenectomy in blood diseases of children] Terekhov NT, et al. **Klin Khir** 1986;(6):38-40 (Eng. Abstr.) (Rus)

[Mesenteric venous thrombosis after splenectomy] Gagarin VV. **Klin Med (Mosk)** 1985 Sep;63(9):118-22 (Eng. Abstr.) (Rus)

[Splenectomy in hairy cell leukemia] Golenkov AK, et al.
Sov Med 1985;(5):114-6 (Rus)

[Splenectomy in psoriasis] Svetlichnyĭ IS, et al.
Vestn Dermatol Venerol 1986;(3):72 (Eng. Abstr.) (Rus)

[Forced splenectomy in surgery on the organs of the abdominal cavity] Petrov VP, et al. **Vestn Khir** 1986 Mar; 136(3):25-8 (Eng. Abstr.) (Rus)

[New aspects in the treatment of splenic injuries] Biermann R, et al. **Rozhl Chir** 1985 Dec;64(12):819-24 (Eng. Abstr.) (Slo)

[Septic risk after splenectomy: indications for prevention] Bouza E, et al. **Med Clin (Barc)** 1986 Jan 11;86(1):25-30 (175 ref.) (Spa)

[Value of splenectomy in the diagnosis of splenomegaly of unknown origin] Ortega Gonzalez G, et al.
Med Clin (Barc) 1986 May 3;86(17):705-8 (Eng. Abstr.) (Spa)

[Splenectomy in the treatment of primary lymphoma of the spleen] Avilés A, et al. **Rev Invest Clin** 1986 Apr-Jun; 38(2):181-3 (Eng. Abstr.) (Spa)

[Cytogenetic and therapeutic results of a protocol including splenectomy and intensive polychemotherapy in Ph'-positive chronic myeloid leukemia] Cervantes F, et al. **Sangre (Barc)** 1986;31(3):297-302 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

Outcome of pneumococcal challenge in rats after splenic artery ligation or splenectomy. Andersson R, et al.
Acta Chir Scand 1986 Jan;152:15-7

Blood coagulation and platelet profiles in persistent post-splenectomy thrombocytosis. The relationship to thromboembolism. Visudhiphan S, et al.
Biomed Pharmacother 1985;39(6):264-71

Recurrent priapism following splenectomy for thalassaemia intermedia. Jackson N, et al. **Br J Surg** 1986 Aug;73(8):678

Postsplenectomy sepsis caused by group B streptococcus (S. agalactiae) in an adult patient with diabetes mellitus. Fish HR, et al. **Diabetes Care** 1985 Nov-Dec;8(6):608-9

Role of splenectomy in the pathogenesis of Haemophilus influenzae type f meningitis. Meier FP, et al.
Eur J Clin Microbiol 1985 Dec;4(6):598-600

Thrombocytopenia due to splenosis in Gaucher's disease 36 years after splenectomy. Mittelman M, et al.
Haematologica (Pavia) 1985 May-Jun;70(3):261-2

Synergism between gammaglobulin prophylaxis and penicillin treatment in experimental post-splenectomy sepsis in the rat. Offenbartl KS, et al.
Int Arch Allergy Appl Immunol 1986;79(1):45-8

Early diagnosis of partially treated postsplenectomy pneumococcal sepsis. Sugarman DI, et al.
J Fla Med Assoc 1984 Nov;71(11):865-7

Postsplenectomy sepsis and other complications following staging laparotomy for Hodgkin's disease in childhood. Hays DM, et al. **J Pediatr Surg** 1986 Jul;21(7):628-32

Does splenectomy predispose to meningococcal sepsis? An experimental study and clinical review. Loggie BW, et al.
J Pediatr Surg 1986 Apr;21(4):326-30

The effects of heparin and splenectomy on survival and plasma fibronectin levels in rat peritonitis. Hirano T, et al. **J Surg Res** 1986 Jun;40(6):611-6

Treatment of pneumococcal postsplenectomy sepsis in the rat with human gamma-globulin. Offenbartl K, et al.
J Surg Res 1986 Mar;40(3):198-201

Splenectomy--a long-term risk of infection [editorial]
Lancet 1985 Oct 26;2(8461):928-9

Meningitis and septicaemia in adults splenectomized for Hodgkin's disease. Baccarani M, et al.
Scand J Haematol 1986 May;36(5):492-8

[Fatal pneumococcal meningitis 10 years after splenectomy] la Cour Petersen E, et al. **Ugeskr Laeger** 1986 Feb 3; 148(6):331-2 (Eng. Abstr.) (Dan)

[Salmonella infection after posttraumatic splenectomy and autologous splenic tissue implantation] Schrøder HM, et al. **Ugeskr Laeger** 1985 Nov 25;147(48):3913 (Eng. Abstr.) (Dan)

[Partial thrombosis of the splenic vein after partial

splenectomy. A clinical case (letter)] Muyingi AM, et al. **J Chir (Paris)** 1986 Apr;123(4):281–2 (Fre)

[Splenectomy for injury: residual splenic parenchyma and incidence of infection in the follow-up of 25 patients] Enrichens F, et al. **Minerva Chir** 1985 Oct 31;40(20):1423–7 (Eng. Abstr.) (Ita)

[Yersinia enterocolitica sepsis in splenectomized thalassemic subjects. Description of 2 cases] Rasore-Quartino A, et al. **Pediatr Med Chir** 1986 Jan–Feb;8(1):121–4 (Eng. Abstr.) (Ita)

[Course of Streptococcus pneumoniae infection in rats after total or partial splenectomy] Chilarski A, et al. **Med Dosw Mikrobiol** 1986;38(2):65–71 (Eng. Abstr.) (Pol)

[Autologous transplantation of splenic tissue to the muscles of the abdominal wall] Ziarek S, et al. **Przegl Lek** 1986; 43(4):375–8 (Eng. Abstr.) (Pol)

[Splenectomy and autotransplantation of splenic parenchyma] Badowski A, et al. **Wiad Lek** 1985 Jun 1;38(11):795–9 (Eng. Abstr.) (Pol)

[Hazards and complications of splenectomy in patients with blood diseases] Klimanskiĭ VA, et al. **Khirurgiia (Mosk)** 1986 Jan;(1):88–92 (Rus)

[Effect of splenectomy on immunologic reactivity (review of the literature)] Pavlovskiĭ MP, et al. **Khirurgiia (Mosk)** 1986 Jun;(6):136–41 (66 ref.) (Rus)

[Infectious complications in patients with blood diseases following splenectomy] Gogin EE, et al. **Klin Med (Mosk)** 1985 May;63(5):95–8 (Eng. Abstr.) (Rus)

METHODS

Splenectomy for massive splenomegaly. Sharp P, et al. **Aust NZ J Surg** 1985 Oct;55(5):489–92

Splenic studies: II preservation of the ruptured spleen: a pilot study. Mabogunje OA. **East Afr Med J** 1985 Aug; 62(8):597–602

Preservation of the spleen in children. Rubin M, et al. **Isr J Med Sci** 1985 Nov;21(11):922–3

On partial splenectomy in Gaucher's disease [letter] Stellin GP, et al. **Pediatrics** 1986 Apr;77(4):618–9

Partial splenectomy with a tourniquet of falciform ligament. Smoot RT, et al. **Surg Gynecol Obstet** 1986 Sep; 163(3):280–1

Partial splenectomy in the treatment of thalassaemia major. Kheradpir MH, et al. **Z Kinderchir** 1985 Aug;40(4):195–8

[Distribution of the splenic artery and an experimental study of partial splenectomy] Ding TP. **Chung Hua I Hsueh Tsa Chih** 1985 Dec;65(12):720–2 (Eng. Abstr.) (Chi)

[Atypical partial splenectomy: experimental study and clinical application] Liu LX. **Chung Hua I Hsueh Tsa Chih** 1985 Dec;65(12):726–8 (Eng. Abstr.) (Chi)

[Simultaneous splenectomy and orthotopic kidney transplantation] Van Poppel H, et al. **Acta Urol Belg** 1985; 53(4):685–92 (Eng. Abstr.) (Fre)

[Toward conservative surgery of the spleen] Borges d'Almeida JA. **Bull Acad Natl Med (Paris)** 1985 Feb; 169(2):217–24 (Fre)

[Role of splenectomy in the treatment of Cooley's disease] Rocca E, et al. **Minerva Chir** 1986 Mar 31;41(5–6):317–23 (Ita)

[Conservative surgery of the spleen (letter)] Martínez Díez M, et al. **Rev Esp Enferm Apar Dig** 1986 Jan;69(1):75–6 (Spa)

VETERINARY

Splenectomy: an old issue of current controversy [letter] Helfand SC. **J Am Vet Med Assoc** 1986 Mar 1;188(5):461–3

Effects of rapid passage in the gerbil (Meriones unguiculatus) on the course of infection of the bovine piroplasm Babesia divergens in splenectomised calves. Murphy TM, et al. **Res Vet Sci** 1986 May;40(3):285–7

SPLENIC ARTERY

Portal hypertension secondary to a spontaneous splenic arteriovenous fistula: case report and review of the literature. McClary RD, et al. **Am J Gastroenterol** 1986 Jul;81(7):572–5

Use of digital subtraction angiography in the diagnosis of splenic artery aneurysms. Short DH, et al. **Am Surg** 1985 Oct;51(10):606–8

Splenic arteriovenous fistula causing massive ascites: a case report. Watson WD, et al. **Angiology** 1986 Jan;37(1):36–40

Splenic aneurysm rupture in cirrhotic patients [letter] Pomerantz RA, et al. **Arch Surg** 1986 Sep;121(9):1095–6

Arterial occlusion causing large bowel infarction—a reflection of clotting diathesis in SLE. Asherson RA, et al. **Clin Rheumatol** 1986 Jan;5(1):102–6

Splenic artery aneurysms. Martínez E, et al. **Int Surg** 1986 Apr–Jun;71(2):95–9

Hemosuccus pancreaticus: CT manifestations. Yoshikai T, et al. **J Comput Assist Tomogr** 1986 May–Jun;10(3):510–2

Systemic lupus erythematosus with abdominal crisis: an interesting and unusual case. Johnson JF Jr. **J Tenn Med Assoc** 1986 Jan;79(1):13–4

Spontaneous rupture of splenic artery aneurysm in pregnancy. Report of first known antepartum rupture with maternal and fetal survival. Vassalotti SB, et al. **Obstet Gynecol** 1967 Aug;30(2):264–8

Rupture of splanchnic artery aneurysms. Salo JA, et al. **World J Surg** 1986 Feb;10(1):123–7

[Diagnosis of splenic artery aneurysm by Doppler and real-time sonography—2 case reports] Chou YH, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Jun;84(6):747–50 (Eng. Abstr.) (Chi)

[Unusual cause of digestive hemorrhage in chronic hemodialysis patients: splenic aneurysm with arteriovenous fistula] Bourdais A, et al. **J Chir (Paris)** 1985 May; 122(5):327–33 (Eng. Abstr.) (Fre)

[Pancreatic pseudoaneurysm and spurious aneurysm of the splenic artery—diagnosis by angio-CT and ultrasound] Gamroth A, et al. **Radiologe** 1986 Feb;26(2):73–5 (Eng. Abstr.) (Ger)

[Fatal intra-abdominal hemorrhage resulting from the rupture of a splenic artery aneurysm in liver cirrhosis] Kiss Z, et al. **Orv Hetil** 1986 Jun 29;127(26):1577–8,1583 (Eng. Abstr.) (Hun)

[Aneurysms of the splenic artery. Presentation of a case] Poddie D, et al. **Minerva Cardioangiol** 1985 Jul–Aug; 33(7–8):493–7 (Eng. Abstr.) (Ita)

[Artero-venous angiodysplasia at the splenic hylum: contribution to the knowledge of pre-hepatic artero-venous angiodysplasias with portal hypertension] Giampalmo A, et al. **Pathologica** 1985 Mar–Apr; 77(1048):199–202 (Eng. Abstr.) (Ita)

[Aneurysms of the splenic artery. Considerations on 33 cases] Brambilla G, et al. **Radiol Med (Torino)** 1984 Dec; 70(12):976–82 (Eng. Abstr.) (Ita)

[Hemodynamics of splenic artery aneurysm] Nishida O, et al. **Nippon Naika Gakkai Zasshi** 1985 Nov;74(11):1548–53 (Jpn)

[Therapeutic visceral arterial embolization (TVAE). III. Splenic TAE (medical splenectomy)] Daniil C, et al. **Rev Med Chir Soc Med Nat Iasi** 1985 Oct–Dec;89(4):663–8 (Eng. Abstr.) (Rum)

[Use of metal coils for endovascular occlusion of major blood vessels] Ryzhkov VK, et al. **Khirurgiia (Mosk)** 1985 Jun; (6):117–20 (Rus)

[Embolization and filling of the splenic artery in erosive hemorrhages in patients with pancreatitis] Filin VI, et al. **Vestn Khir** 1986 May;136(5):63–4 (Rus)

ABNORMALITIES

[Four cases with the splenic artery of abnormal origins] Tanuma K, et al. **Kaibogaku Zasshi** 1986 Apr;61(2):130–7 (Eng. Abstr.) (Jpn)

ANALYSIS

[Distribution of the splenic artery and an experimental study of partial splenectomy] Ding TP. **Chung Hua I Hsueh Tsa Chih** 1985 Dec;65(12):720–2 (Eng. Abstr.) (Chi)

ANATOMY & HISTOLOGY

Incidence, anatomy and territories supplied by the posterior gastric artery. Trubel W, et al. **Acta Anat (Basel)** 1985; 124(1–2):26–30

Venous segmentation of the human spleen. A corrosion cast study. Dawson DL, et al. **Am Surg** 1986 May;52(5):253–6

The architecture of the splenic artery in the adult man. Reis FP, et al. **Anat Anz** 1985;160(5):323–31

PATHOLOGY

Accessory ultrasonographic findings in chronic liver disease: diameter of splenic and hepatic arteries, fasting gallbladder volume, and course of left portal vein. Toni R, et al. **JCU** 1985 Nov–Dec;13(9):611–8

Splenic artery aneurysm rupture: the seventh instance of maternal and fetal survival. Lowry SM, et al. **Obstet Gynecol** 1986 Feb;67(2):291–2

[Splenic artery aneurysm. A fatal case with rupture] Jørgensen BA, et al. **Ugeskr Laeger** 1985 Jul 8; 147(28):2232–3 (Eng. Abstr.) (Dan)

PHYSIOLOGY

Outcome of pneumococcal challenge in rats after splenic artery ligation or splenectomy. Andersson R, et al. **Acta Chir Scand** 1986 Jan;152:15–7

[Quantitative measurement of the blood flow in the abdominal arteries using an ultrasonic pulsed Doppler duplex system] Nakamura T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Aug;82(8):1932–9 (Eng. Abstr.) (Jpn)

PHYSIOPATHOLOGY

Hemodynamics of splenic artery aneurysm. Nishida O, et al. **Gastroenterology** 1986 Apr;90(4):1042–6

[Disputable problems of pathogenesis in extrahepatic portal hypertension] Tsatsanidi KN, et al. **Khirurgiia (Mosk)** 1986 Feb;(2):11–6 (Eng. Abstr.) (Rus)

RADIOGRAPHY

Transcatheter embolization of multiple mycotic splenic artery aneurysms: a case report. Tihansky DP, et al. **Angiology** 1986 Jul;37(7):530–4

Computed tomography follow-up of nonsurgical treatment for hypersplenism. Tihansky DP, et al. **J Comput Tomogr** 1986 Jul;10(3):227–30

[Computed tomography of splenic tumors—comparative study with the angiography] Tsujita Y, et al. **Rinsho Hoshasen** 1985 Jul;30(7):761–7 (Eng. Abstr.) (Jpn)

SURGERY

Splenic artery ligation for traumatic rupture of the spleen. A case report. Andersson R, et al. **Acta Chir Scand** 1985; 151(8):709–10

[Treatment of hypersplenism. Partial dearterialization of the spleen, partial splenectomy or non-surgical partial embolization (letter)] Bastid C, et al. **Presse Med** 1986 May 17;15(20):935 (Fre)

[Distal pancreatectomy with preservation of the spleen after resection of splenic artery and vein for pancreas cyst. A case report] Sudo T, et al. **Nippon Geka Hokan** 1985 Sep 1;54(5):388–94 (Eng. Abstr.) (Jpn)

TRANSPLANTATION

Use of the splenic and hepatic arteries for renal revascularization. Moncure AC, et al. **J Vasc Surg** 1986 Feb;3(2):196–203

SPLENIC DISEASES

Surgical diseases of the spleen. Baesl TJ, et al. **Surg Clin North Am** 1985 Oct;65(5):1269–86 (75 ref.)

[A case of hepatic and splenic peliosis occurring in the puerperium after normal pregnancy] Patricot LM, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(3):321–6 (Eng. Abstr.) (Fre)

[Splenic hydatidosis. Contribution of 4 cases] Zaragoza C, et al. **Rev Esp Enferm Apar Dig** 1986 Jun;69(6):547–51 (Eng. Abstr.) (Spa)

CHEMICALLY INDUCED

Splenic peliosis after danazol therapy for idiopathic thrombocytopenic purpura (ITP) [letter] Cassi E, et al. **Haematologica (Pavia)** 1985 Nov–Dec;70(6):549–50

COMPLICATIONS

Treatment of sickle cell disease in early childhood in Jamaica. Serjeant GR. **Am J Pediatr Hematol Oncol** 1985 Fall; 7(3):235–9

True splenic cyst associated with hypersplenism [letter] Marterre WF Jr, et al. **Arch Surg** 1986 Jul;121(7):859

Splenic abscess in Felty's syndrome [letter] Perruquet JL, et al. **J Rheumatol** 1985 Jun;12(3):648–50

[A case of solitary splenic abscess with splenic infarction] Abe Y, et al. **Nippon Naika Gakkai Zasshi** 1985 Jul; 74(7):932–8 (Jpn)

[Coexistence of splenic pseudocyst with chronic lymphadenitis] Pawlowska J, et al. **Wiad Lek** 1986 Mar 15;39(6):391–5 (Eng. Abstr.) (Pol)

[Rupture of a posttraumatic pseudocyst of the spleen during closed trauma to the abdomen] Kopytov LF, et al. **Khirurgiia (Mosk)** 1985 Sep;(9):127–8 (Rus)

[Splenic abscess with rupture into the abdominal cavity] Rezhko VT, et al. **Klin Khir** 1986;(1):62 (Rus)

[Pleural effusion as the first manifestation of a splenic abscess in the course of subacute endocarditis caused by an alpha-hemolytic streptococcus (letter)] Ferrer Monreal A, et al. **Med Clin (Barc)** 1985 Sep 14;85(7):298 (Spa)

DIAGNOSIS

Intraoperative sonography of perisplenic pseudocysts. Gooding GA, et al. **AJR** 1985 Nov;145(5):1013–5

Cystic masses of the spleen. Dawes LG, et al. **Am Surg** 1986 Jun;52(6):333–6

Covert splenic abscess: a continuing challenge. Pomerantz RA, et al. **Am Surg** 1986 Jul;52(7):386–90

The early diagnosis of splenic abscess. Teich S, et al. **Am Surg** 1986 Jun;52(6):303–7

Diagnosis and treatment of splenic fungal abscesses in the immune-suppressed patient. Helton WS, et al. **Arch Surg** 1986 May;121(5):580–6

Ultrasound of splenic epidermoid cyst in children. Lam AH, et al. **Australas Radiol** 1985 May;29(2):147–9

Nuclear magnetic resonance of the liver, spleen, and pancreas. Stark DD, et al. **Cardiovasc Intervent Radiol** 1986; 8(5–6):329–41

Splenic abscess on ultrasonography. Iko BO. **Eur J Radiol** 1986 May;6(2):116–20

Hepatosplenic schistosomiasis: a clinical review. De Cock KM. **Gut** 1986 Jun;27(6):734–45 (70 ref.)

Changes in proton relaxation times of the rat spleen during adjuvant-induced immunologic reaction. Terrier F, et al. **Invest Radiol** 1986 Mar;21(3):221–6

Sonography and percutaneous aspiration of splenic epidermoid cyst. Goldfinger M, et al. **JCU** 1986 Feb; 14(2):147–9

Amoebic abscess of spleen. Waheed A, et al. **JPMA** 1986 Apr;36(4):93–5

Epidermoid cyst of the spleen manifested as an abdominal abscess. Didlake RH, et al. **South Med J** 1986 May; 79(5):635–7

Ultrasonography in hepatosplenic schistosomiasis. Arafa NM, et al. **Ultrasound Med Biol** 1983;Suppl 2:477–84

Cryptogenic splenic abscess. Green SL, et al. **Va Med** 1986

Mar;113(3):164–6
[Epidermoid cysts of the spleen in children. 2 cases diagnosed by ultrasonography and treated by partial splenectomy] Schmit P, et al. **Ann Radiol (Paris)** 1985;28(7):521–4 (Eng. Abstr.) **(Fre)**
[Splenic abscesses. Apropos of 3 new cases] Cotano JR, et al. **J Chir (Paris)** 1985 May;122(5):335–40 (Eng. Abstr.) **(Fre)**
[Splenic pseudocysts. Apropos of a case] Marescaux J, et al. **J Chir (Paris)** 1986 May;123(5):352–7 (Eng. Abstr.) **(Fre)**
[Candida abscesses in the liver and spleen. The sonographic and computed tomographic morphology] Schmidt H, et al. **Dtsch Med Wochenschr** 1986 May 23;111(21):816–20 (Eng. Abstr.) **(Ger)**
[Hepatic and splenic echography and scintigraphy in patients with beta-thalassemia given multiple transfusions] Agnello D, et al. **Minerva Pediatr** 1985 Sep 15;37(17):587–92 (Eng. Abstr.) **(Ita)**
[Splenic pseudocyst in a 15-year-old girl] Sońta-Jakimczyk D, et al. **Pediatr Pol** 1985 Jul;60(7):546–8 **(Pol)**
[Ultrasonic diagnosis of focal splenic diseases] Elwertowski M, et al. **Pol Przegl Radiol (Warszawa)** 1985 Nov–Dec; 49(6):393–7 (Eng. Abstr.) **(Pol)**
[True splenic cyst] Badowski A, et al. **Wiad Lek** 1985 Jun 15;38(12):869–75 (Eng. Abstr.) **(Pol)**
[Diagnosis and treatment of non-parasitic cysts of the spleen in children] Kushch NL, et al. **Vestn Khir** 1985 Aug; 135(8):94–6 (Eng. Abstr.) **(Rus)**
[Epidermoid cyst of the spleen] Orozco-Sánchez J, et al. **Bol Med Hosp Infant Mex** 1986 Jan;43(1):66–70 (Eng. Abstr.) **(Spa)**
[Splenic abscess: apropos of 3 cases] Jiménez Garrido MC, et al. **Rev Clin Esp** 1986 Jun;179(2):82–4 (Eng. Abstr.) **(Spa)**
[Solitary splenic abscess] de Vega García DS, et al. **Rev Esp Enferm Apar Dig** 1986 Apr;69(4):367–72 (Eng. Abstr.) **(Spa)**
[Serous cyst of the spleen] García Correa F, et al. **Rev Esp Enferm Apar Dig** 1985 Aug;68(2):162–5 (Eng. Abstr.) **(Spa)**
[Splenic hydatidosis. Review and contribution of 6 new cases] Martínez Diez M, et al. **Rev Esp Enferm Apar Dig** 1985 Jul;68(1):37–42 (Eng. Abstr.) **(Spa)**
[Cystic pathology of the spleen] Ruiz del Castillo J, et al. **Rev Esp Enferm Apar Dig** 1985 Nov;68(5):420–4 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Pigskin as a topical hemostat in arterial, liver, and splenic injuries. Peper WA, et al. **Surgery** 1986 May;99(5):537–63
Tuberculous splenic abscess in a patient with acute myeloblastic leukemia. Chang MC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Oct;84(10):1173–9

ETIOLOGY

Spontaneous colosplenic fistula complicating immunoblastic lymphoma. Naschitz JE, et al. **Dis Colon Rectum** 1986 Aug; 29(8):521–3
Residual splenic function at 26 years following radiation therapy [letter] Polga JP, et al. **J Nucl Med** 1985 Oct; 26(10):1218–9
Functional asplenia in malignant mastocytosis. Roth J, et al. **J Nucl Med** 1985 Oct;26(10):1149–52
Splenic infarction and total functional asplenia in disseminated varicella. Warrier I, et al. **J Pediatr** 1986 Aug; 109(2):305–7
Empyema, subphrenic abscess and pyaemic splenic necrosis. A rare complication of Salmonella enteritidis infection. Sethia B, et al. **J R Coll Surg Edinb** 1985 Jun;30(3):204–5
Sickle cell trait and splenic syndrome [letter] Steinberg MH. **JAMA** 1985 Oct 11;254(14):1901–2
Splenic abscess caused by Blastomyces dermatitidis. Walker GT, et al. **South Med J** 1986 Jun;79(6):773–6
[Splenic abscess caused by a penetrating gastric ulcer] Kristensen K, et al. **Ugeskr Laeger** 1985 Sep 2; 147(36):2835–6 (Eng. Abstr.) **(Dan)**
[Splenic abscess disclosing endocarditis] Haiat R, et al. **Ann Cardiol Angeiol (Paris)** 1985 Nov;34(9):625–7 (Eng. Abstr.) **(Fre)**
[A case of splenic abscess in a drug addict with acquired immunodeficiency syndrome] Ferraris R, et al. **Minerva Med** 1986 Jan 14;77(1–2):1–5 (Eng. Abstr.) **(Ita)**
[Hepatic and splenic abscesses in three patients with acute leukemia] Kuwabara T, et al. **Rinsho Ketsueki** 1986 Jan; 27(1):95–9 (Eng. Abstr.) **(Jpn)**
[Splenic abscess on a hematoma of the spleen of long development (letter)] Jiménez Mejías ME, et al. **Med Clin (Barc)** 1986 Mar 1;86(8):349 **(Spa)**

IMMUNOLOGY

Immune responses during human schistosomiasis. XII. Differential responsiveness in patients with hepatosplenic disease. Colley DG, et al. **Am J Trop Med Hyg** 1986 Jul; 35(4):793–802
Hyposplenism and T lymphocyte subpopulations in coeliac disease and after splenectomy. Foster PN, et al. **J Clin Lab Immunol** 1985 Jun;17(2):75–7
[3H-TdR lymphocyte transfer value and plasma cAMP and cGMP levels in patients with chronic gastric diseases due to splenic deficiency and its clinical significance] Yin GY. **Chung Hsi I Chieh Ho Tsa Chih** 1985 Nov;5(11):671–3, 644 (Eng. Abstr.) **(Chi)**

METABOLISM

Lipofuscin accumulation in the human spleen with an unusual distribution. A case report. Zwi LJ, et al. **Virchows Arch [A]** 1986;409(1):119–24

MICROBIOLOGY

Propionibacterium avidum as the etiologic agent of splenic abscess. Dunne WM Jr, et al. **Diagn Microbiol Infect Dis** 1986 May;5(1):87–92
Opportunistic infection of the spleen caused by Aureobasidium pullulans. Salkin IF, et al. **J Clin Microbiol** 1986 May;23(5):828–31

PARASITOLOGY

Giant hydatid cyst of the spleen. Yadav K, et al. **Indian Pediatr** 1986 Jan;23(1):60–4
[Hydatid cysts of the spleen. Apropos of 25 cases] Bellakhdar A, et al. **J Chir (Paris)** 1986 May;123(5):326–9 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Peliosis of the spleen in a patient with cirrhosis of the liver. Bleiweiss IJ, et al. **Arch Pathol Lab Med** 1986 Jul; 110(7):669–71
Massive splenic abscess: a case report. Mariko GK. **East Afr Med J** 1985 Aug;62(8):606–7
Splenic histiocytosis in idiopathic thrombocytopenic purpura: a relative sphingomyelinase deficiency? Hom BL, et al. **Hum Pathol** 1985 Nov;16(11):1175–7
Left upper quadrant pain and intermittent bacteremia. Foster WL Jr, et al. **Invest Radiol** 1986 Jun;21(6):488–91
Epidermoid cyst of the spleen. Bán A, et al. **Panminerva Med** 1985 Apr–Jun;27(2):99–101
[Immunohistochemical study of relationship between advanced hepatosplenic schistosomiasis japonica and viral hepatitis] Song GF. **Chung-hua Ping Li Hsueh Tsa Chih** 1985 Sep;14(3):172–5 (Eng. Abstr.) **(Chi)**
[Ultrasound-guided fine-needle puncture in the diagnosis and therapy of liver and spleen abscesses] Schwerk WB, et al. **Dtsch Med Wochenschr** 1986 May 30;111(22):847–53 (Eng. Abstr.) **(Ger)**
[Fat embolism in the spleen] Adebahr G. **Z Rechtsmed** 1985; 94(4):309–15 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Exocrine pancreatic function in hepatosplenic schistosomiasis in the Sudan. Fedail SS, et al. **Digestion** 1985;32(2):132–5
Acquired functional asplenia in sarcoidosis. Stone RW, et al. **J Natl Med Assoc** 1985 Nov;77(11):930, 935–6
Late return of function after intrathoracic torsion of the spleen in congenital diaphragmatic hernia. Thorup J, et al. **J Pediatr Surg** 1986 Aug;21(8):722–4
[The nature of the symptom-complex "stagnancy of the liver and function deficiency of the spleen"] Chen GZ. **Chung Hsi I Chieh Ho Tsa Chih** 1985 Dec;5(12):732–5, 708 (Eng. Abstr.) **(Chi)**
[Thirty years' progress in the research on the nature of zheng (symptom complex)] Wang Q. **Chung Hsi I Chieh Ho Tsa Chih** 1985 Jul;5(7):440–5, 448 (130 ref.) **(Chi)**

RADIOGRAPHY

Splenic hydatid cyst opening [letter] Caballero P, et al. **AJR** 1986 Oct;147(4):859–60
Nonparasitic splenic cysts: a report of 52 cases with radiologic-pathologic correlation. Dachman AH, et al. **AJR** 1986 Sep;147(3):537–42
Extramedullary hematopoiesis in acute lymphocytic leukemia masquerading as hepatic, renal, and splenic microabscesses. Kopecky KK, et al. **AJR** 1986 Oct;147(4):846–7
Pancreatic masses that angiographically simulate intrasplenic lesions. Garnic JD, et al. **Cardiovasc Intervent Radiol** 1985; 8(3):146–50
Splenic pseudocyst as a complication of ventriculoperitoneal shunt: CT features. Mata J, et al. **J Comput Assist Tomogr** 1986 Mar–Apr;10(2):341–2
Computed tomography of splenic sarcoidosis. Mathieu D, et al. **J Comput Assist Tomogr** 1986 Jul–Aug;10(4):679–80
CT findings in hepatic and splenic amyloidosis. Suzuki S, et al. **J Comput Assist Tomogr** 1986 Mar–Apr;10(2):332–4
Differential diagnosis of low-attenuation splenic lesions on computed tomography. Chintapalli K, et al. **J Comput Tomogr** 1985 Oct;9(4):311–9
Splenic abscess. Kreel L. **Postgrad Med J** 1985 Sep; 61(719):807–9
Hepatosplenic fungal infection: CT and pathologic evaluation after treatment with liposomal amphotericin B. Shirkhoda A, et al. **Radiology** 1986 May;159(2):349–53
[A case of splenic abscess diagnosed by computed tomography] Yamasaku F. **Kansenshogaku Zasshi** 1983 Jun; 57(6):543–7 (Eng. Abstr.) **(Jpn)**
[Rationale for radiodiagnosis in the abdominal organs] Ledić S, et al. **Vojnosanit Pregl** 1986 Jan–Feb;43(1):38–47 **(Scr)**

RADIONUCLIDE IMAGING

A case study of physicians' use of liver-spleen scans. Are we doing what we think we're doing? Steinberg EP, et al. **Arch Intern Med** 1986 Feb;146(2):253–8
Subacute splenic abscess. Appearance on indium-111 leukocyte, gallium-67, and technetium-99m sulfur colloid imaging. Ammann W, et al. **Clin Nucl Med** 1986 Mar; 11(3):165–7
Indium-111 WBC. Splenic bed abscess. Cawthon MA, et al. **Clin Nucl Med** 1985 Dec;10(12):897–8
The value of scintigraphy in the evaluation of a wandering spleen. Groshar D, et al. **Clin Nucl Med** 1986 Jan;11(1):42–3
The place of liver-spleen scanning in the workup of giant secondary cysts of the spleen. Hartshorne MF, et al. **Clin Nucl Med** 1986 Jan;11(1):4–7
Congenital spleen thinning mimicking a space-occupying lesion. McCullough RW, et al. **Clin Nucl Med** 1986 Apr; 11(4):262–3
111In-leukocyte imaging: intrasplenic abscesses. O'Doherty MJ, et al. **Eur J Nucl Med** 1985;11(4):141–2

SURGERY

Splenic resection for benign cyst. A case report and technical comments. Svartholm EG, et al. **Acta Chir Scand** 1985; 151(5):491–4
Epidermoid cyst of the spleen. Carpenter G, et al. **Aust NZ J Surg** 1986 Apr;56(4):365–8
Splenic abscess—percutaneous drainage [letter] Kapoor VK. **Can J Surg** 1986 Mar;29(2):82
Sublabial transseptal transsphenoidal approach to the skull base. Papel ID, et al. **Ear Nose Throat J** 1986 Mar; 65(3):107–16
Conservative treatment of splenic cysts. Eadie PA. **Ir Med J** 1986 Jan;79(1):11–2
Splenic salvage techniques in the management of pseudocysts of the spleen. Brown JJ, et al. **South Med J** 1986 Jun; 79(6):710–1
[Occlusive syndrome, ectopic spleen and malaria. Apropos of a case report] Mukendi MP. **Acta Chir Belg** 1985 Jul–Aug;85(4):217–8 (Eng. Abstr.) **(Fre)**
[Anatomically related surgery of the spleen] Streicher HJ. **Chirurg** 1986 Apr;57(4):177–81 **(Ger)**
[Partial resection of the spleen—an alternative to splenectomy in hematologic diseases in childhood] Mau H, et al. **Zentralbl Chir** 1985;110(23):1474–9 **(Ger)**
[Various problems of recurrence in echinococcosis] Gilevich MIu. **Vestn Khir** 1985 Jun;134(6):41–5 (Eng. Abstr.) **(Rus)**
[Conservative surgery of the spleen (letter)] Martínez Díez M, et al. **Rev Esp Enferm Apar Dig** 1986 Jan;69(1):75–6 **(Spa)**

THERAPY

Nonsurgical treatment of splenic hemorrhage in an adult with infectious mononucleosis. Case report and review. Peters RM, et al. **Am J Med** 1986 Jan;80(1):123–5
Splenic sequestration in sickle cell disease: role of transfusion therapy. Rao S, et al. **Am J Pediatr Hematol Oncol** 1985 Fall;7(3):298–301
The management of splenic abscess. Cheesbrough JS, et al. **Q J Med** 1985 Oct;57(222):653–7
[Non-surgical treatment of hematomas of the spleen] Ragni F, et al. **Minerva Chir** 1986 Apr 15;41(7):549–51 **(Ita)**

VETERINARY

Sonography of the liver, gallbladder, and spleen. Nyland TG, et al. **Vet Clin North Am [Small Anim Pract]** 1985 Nov; 15(6):1123–48

SPLENIC INFARCTION

COMPLICATIONS

[An autopsy case of primary biliary cirrhosis with giant splenic infarction] Yuasa K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Jun;82(6):1591–5 **(Jpn)**
[Rupture of the spleen after infarction] Syska M, et al. **Wiad Lek** 1985 Aug 1;38(15):1082–3 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Sonographic patterns in splenic infarct. Maresca G, et al. **JCU** 1986 Jan;14(1):23–8

ETIOLOGY

Splenic infarction and total functional asplenia in disseminated varicella. Warrier I, et al. **J Pediatr** 1986 Aug; 109(2):305–7
Altitude-related specific infarction in sickle cell trait—case reports of a father and son. Goldberg NM, et al. **West J Med** 1985 Nov;143(5):670–2
[Splenic lesions following transcatheter arterial embolization of malignant liver tumors] Yamashita Y, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Mar 25; 46(3):419–26 (Eng. Abstr.) **(Jpn)**
[A case of solitary splenic abscess with splenic infarction] Abe Y, et al. **Nippon Naika Gakkai Zasshi** 1985 Jul; 74(7):932–8 **(Jpn)**

PATHOLOGY

Atypical sonographic findings in splenic infarction. Kauzlaric D, et al. JCU 1986 Jul-Aug;14(6):461-2

SPLENIC NEOPLASMS

CHEMICALLY INDUCED

Splenic angiosarcoma following chemotherapy for follicular lymphoma. Zwi LJ, et al. Hum Pathol 1986 May; 17(5):528-30

Splenotoxicity associated with splenic sarcomas in rats fed high doses of D & C Red No. 9 or aniline hydrochloride. Weinberger MA, et al. JNCI 1985 Oct;75(4):681-90

CLASSIFICATION

Classification of non-Hodgkin's lymphoma. Wang Y. AJR 1986 Jul;147(1):205-8

COMPLICATIONS

Multicentric giant lymph node hyperplasia, Kaposi's sarcoma, and lymphoma. Dickson D, et al. Arch Pathol Lab Med 1985 Nov;109(11):1013-8

Malignant histiocytosis presenting with vasculitis and cutaneous erythrophagocytosis. Reed WW, et al. Cutis 1986 Jul;38(1):63-6

Splanchnic bed vascular malformations and the development of portal hypertension. Shulman RJ, et al. J Pediatr Surg 1986 Apr;21(4):355-7

Rapid progressive dissemination of hemangiosarcoma of the spleen following spontaneous rupture. Simansky DA, et al. World J Surg 1986 Feb;10(1):142-5

[Spontaneous rupture of the spleen affected by angiosarcoma] Ivanov AM, et al. Vestn Khir 1986 Jun;136(6):136 (Rus)

[Mechanical injury of a pathologically changed spleen] Karmilov VA, et al. Vrach Delo 1985 Sep;(9):75-6 (Rus)

[Treatment of severe coagulopathy in the Kasabach-Merritt syndrome] Páramo JA, et al. Sangre (Barc) 1986;31(1):97-8 (Spa)

DIAGNOSIS

Malignant lymphoma with primary presentation in the spleen. A study of 20 patients. Spier CM, et al. Arch Pathol Lab Med 1985 Dec;109(12):1076-80

Prediction of splenic involvement in children with Hodgkin's disease. Significance of clinical and intraoperative findings. A retrospective statistical analysis of 154 patients in the German therapy study DAL-HD-78. Schellong G, et al. Cancer 1986 May 15;57(10):2049-56

Radioimmunodetection of small human tumor xenografts in spleen of athymic mice by monoclonal antibodies. Shah SA, et al. Cancer Res 1985 Nov;45(11 Pt 2):5824-9

The value of ultrasonic scanning of the spleen in lymphoma. King DJ, et al. Clin Radiol 1985 Sep;36(5):473-4

Splenichilar lymphatic cyst. Pai TS, et al. Indian J Pediatr 1985 Mar-Apr;52(415):213-5

[Cavernous hemangioma of the spleen] Balu-Maestro C, et al. J Radiol 1986 Mar;67(3):247-50 (Eng. Abstr.) (Fre)

[A case report of inflammatory pseudotumor of the spleen] Misawa K, et al. Nippon Shokakibyo Gakkai Zasshi 1985 Jul;82(7):1798-802 (Jpn)

[Diagnosis of lymphoma in abdominal organs (liver and spleen)] Kuroda C, et al. Rinsho Hoshasen 1985 Oct;30(11 Suppl):1269-76 (29 ref.) (Jpn)

[Echographic examination in lymphogranulomatosis] Fazylov AA, et al. Klin Med (Mosk) 1985 Oct;63(10):47-50 (Eng. Abstr.) (Rus)

[Ultrasonic diagnosis of splenic and hepatic lesions in lymphogranulomatosis] Tsyb AF, et al. Med Radiol (Mosk) 1985 Oct;30(10):44-8 (Eng. Abstr.) (Rus)

[Intraperitoneal paraganglioma simulating a retroperitoneal neoplasm] Galun NM. Urol Nefrol (Mosk) 1985 Sep-Oct; (5):64 (Rus)

DRUG THERAPY

Rapid response of intrasplenic lesions to steroids in non-Hodgkin's lymphoma. Mathews J, et al. Int J Nucl Med Biol 1985;12(2):155-6

[Pregnancy following chemotherapy of non-Hodgkin lymphoma] Asada E, et al. Nippon Sanka Fujinka Gakkai Zasshi 1986 Jul; 38(7):1158-61 (Jpn)

ENZYMOLOGY

[Biosynthesis of cobalamin coenzymes in tumor and hematopoietic tissues in assessing methotrexate sensitivity] Misnishcheva NV, et al. Vestn Akad Med Nauk SSSR 1986; (5):36-41 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Immunotopography of splenic lymphoma of small cleaved B-cell type. Grogan TM, et al. Diagn Immunol 1985; 3(3):126-32

MICROBIOLOGY

Study of the 78A1 isolate of Moloney murine sarcoma virus. II. Haematopoietic tropism and tumourigenicity. Le Bousse-Kerdiles MC, et al. J Gen Virol 1985 Nov;66 (Pt 11):2415-21

PATHOLOGY

Splenic hamartoma. Ohta M, et al. Acta Pathol Jpn 1986 Mar;36(3):471-80

Systemic hemangiomatosis. Sugimura H, et al. Acta Pathol Jpn 1986 Jul;36(7):1089-98

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 48-1985. A 69-year-old man with peripheral vascular disease and hypersplenism. N Engl J Med 1985 Nov 28;313(22):1405-12

Angiosarcoma of the liver and spleen in an infant. Alt B, et al. Pediatr Pathol 1985;4(3-4):331-9

[Acute abdomen caused by rupture of the spleen due to an apparently primary squamous carcinoma] Masci P, et al. Ann Ital Chir 1985;57(2):137-42 (Eng. Abstr.) (Ita)

[Nonparasitic cysts of the spleen] Abonante S, et al. Minerva Med 1986 Mar 31;77(13):547-8 (Ita)

[An autopsy case of primary splenic hemangiosarcoma] Hasegawa H, et al. Gan No Rinsho 1985 Oct;31(13):1744-9 (Eng. Abstr.) (Jpn)

[Malignant histiocytosis with atypical course in a 16-year-old girl] Holtorp-Tyszkiewiczowa J, et al. Pediatr Pol 1985 Jul;60(7):539-42 (Pol)

[Cysts of the spleen: apropos of a cyst of mesothelial origin] Sánchez Nebra J, et al. Rev Esp Enferm Apar Dig 1985 Sep;68(3):267-72 (Eng. Abstr.) (Spa)

RADIOGRAPHY

Thorotrast-induced hepatosplenic neoplasia: CT identification. Levy DW, et al. AJR 1986 May; 146(5):997-1004

Multiple cavernous hemangiomas of the spleen: CT findings. Moss CN, et al. J Comput Assist Tomogr 1986 Mar-Apr; 10(2):338-40

[Dynamic CT of lymphoma manifestations of the liver and spleen] Kurtz B. ROFO 1986 Feb;144(2):149-53 (Eng. Abstr.) (Ger)

[A case of splenic cavernous hemangioma] Koizumi Y, et al. Rinsho Hoshasen 1985 Aug;30(8):929-32 (Eng. Abstr.) (Jpn)

[Computed tomography of splenic tumors--comparative study with the angiography] Tsujita Y, et al. Rinsho Hoshasen 1985 Jul;30(7):761-7 (Eng. Abstr.) (Jpn)

RADIONUCLIDE IMAGING

Multiple plasmocytomas of the liver and the spleen. Garfinkel D, et al. Clin Nucl Med 1985 Nov;10(11):819

Technetium-99m red blood cell blood-pool imaging in functional asplenia due to leukemic infiltration. Yoo JH, et al. Clin Nucl Med 1986 Jul;11(7):493-4

Rapid response of intrasplenic lesions to steroids in non-Hodgkin's lymphoma. Mathews J, et al. Int J Nucl Med Biol 1985;12(2):155-6

Splenic hemangioma presenting as a "hot spot" on radiocolloid scintigraphy. Gulenchyn KY, et al. J Nucl Med 1986 Jun; 27(6):804-6

SECONDARY

Splenectomy for splenic metastasis from carcinoma of colon. Slavin JD Jr, et al. Clin Nucl Med 1986 Jul;11(7):491-2

SURGERY

[Splenectomy in the treatment of primary lymphoma of the spleen] Avilés A, et al. Rev Invest Clin 1986 Apr-Jun; 38(2):181-3 (Eng. Abstr.) (Spa)

VETERINARY

Primary splenic haemangiopericytoma in a German shepherd dog. Obwolo MJ. J Comp Pathol 1986 May;96(3):285-8

SPLENIC RUPTURE

COMPLICATIONS

[Rupture of a posttraumatic pseudocyst of the spleen during closed trauma to the abdomen] Kopytov LF, et al. Khirurgiia (Mosk) 1985 Sep;(9):127-8 (Rus)

[Subcapsular rupture of the spleen with formation of a retroperitoneal cyst] Khelemendik MD. Klin Khir 1986; (4):61-2 (Rus)

DIAGNOSIS

Changing attitudes toward splenic trauma. Rose WD, et al. Am J Emerg Med 1986 Mar;4(2):170-2

Spontaneous rupture of a normal spleen. Badenoch DF, et al. J R Coll Surg Edinb 1985 Oct;30(5):326-7

Delayed rupture of the spleen presenting as a scrotal hematoma. Sujka SK, et al. J Trauma 1986 Jan;26(1):85-6

[Case of spontaneous rupture of the spleen] Tsankov N. Khirurgiia (Sofiia) 1986;39(1):49-50 (Bul)

[Diagnosis and treatment of subcutaneous ruptures of the spleen] Balbulatov RSh. Klin Khir 1986;(4):35-7 (Eng. Abstr.) (Rus)

ETIOLOGY

Spontaneous rupture of the spleen due to acquired immunodeficiency syndrome in an intravenous drug abuser. Mirchandani HG, et al. Arch Pathol Lab Med 1985 Dec; 109(12):1114-6

An instrument for producing experimental splenic trauma. Christophi C, et al. Aust NZ J Surg 1986 Apr;56(4):363

Vomiting and 'spontaneous' rupture of the spleen. Lennard TW, et al. Br J Clin Pract 1985 Oct;39(10):407, 410

Splenic rupture: an unusual late complication of colonoscopy. Castelli M. Can Med Assoc J 1986 Apr 15;134(8):916-7

Spontaneous rupture of the spleen in primary plasma cell leukemia. Scintigraphic-pathologic correlation. Kienzle GD, et al. Clin Nucl Med 1985 Sep;10(9):639-41

Splenic rupture following colonoscopy [letter] Reynolds FS, et al. Gastrointest Endosc 1986 Aug;32(4):307-8

Fatal spontaneous rupture of the spleen in asymptomatic infectious mononucleosis. Jones TJ, et al. J R Coll Surg Edinb 1985 Dec;30(6):398

Pathological rupture of the spleen in transforming non-Hodgkin's lymphoma. Griffiths JD, et al. Med J Aust 1986 Feb 3;144(3):146-7, 150

Rapid progressive dissemination of hemangiosarcoma of the spleen following spontaneous rupture. Simansky DA, et al. World J Surg 1986 Feb;10(1):142-5

[Systemic lupus erythematosus with spontaneous rupture of the spleen--a case report] Wu CC, et al. Taiwan I Hsueh Hui Tsa Chih 1985 Oct;84(10):1186-90 (Eng. Abstr.) (Chi)

[Secondary rupture of the spleen after external cardiac massage] Peyrin JC, et al. Ann Fr Anesth Reanim 1985; 4(5):435-7 (Eng. Abstr.) (Fre)

[Spontaneous rupture of the spleen in chronic pancreatitis] Houry S, et al. Gastroenterol Clin Biol 1985 Dec; 9(12):918-21 (Eng. Abstr.) (Fre)

[Massive hemoperitoneum caused by rupture of the spleen, a complication of congenital afibrinogenemia. Conservative treatment] Gallet S, et al. Pediatrie 1985 Jul-Aug; 40(5):385-91 (Eng. Abstr.) (Fre)

[Spontaneous rupture of the spleen in infectious mononucleosis] Höfig G, et al. Zentralbl Chir 1985; 110(23):1471-3 (Ger)

[Rupture of the spleen after infarction] Syska M, et al. Wiad Lek 1985 Aug 1;38(15):1082-3 (Eng. Abstr.) (Pol)

[Splenic abscess with rupture into the abdominal cavity] Rezhko VT, et al. Klin Khir 1986;(1):62 (Rus)

[Mechanical injury of a pathologically changed spleen] Karmilov VA, et al. Vrach Delo 1985 Sep;(9):75-6 (Rus)

[Splenic rupture in Plasmodium vivax malaria. Presentation of a case] Ramos García A, et al. Rev Cubana Med Trop 1985 May-Aug;37(2):187-90 (Eng. Abstr.) (Spa)

[Coarctation of the aorta complicated by infectious endarteritis, mycotic aneurysm and rupture of the spleen] Pérez Day CM, et al. Rev Esp Cardiol 1986 Jan-Feb; 39(1):68-71 (Eng. Abstr.) (Spa)

NURSING

[Treatment and nursing of a ruptured spleen] Wan HY. Chung Hua Hu Li Tsa Chih 1985 Oct;20(5):273-4 (Chi)

PATHOLOGY

Splenic rupture in a very low birth weight infant. Birenbaum HJ, et al. Md Med J 1986 May;35(5):399-400

[Spontaneous autograft of the spleen after its closed injury] Nichitallo ME, et al. Klin Khir 1986;(1):63-4 (Rus)

[Rupture of the spleen as a cause of death in a patient with chronic granulocytic leukemia] Petrović M, et al. Srp Arh Celok Lek 1985 Jul;113(7):625-9 (Eng. Abstr.) (Scc)

PHYSIOPATHOLOGY

Tight-fitting garments as counterpressure devices. Welch SJ, et al. J Emerg Med 1985;3(4):281-3

RADIOGRAPHY

Intra-abdominal pathology presenting as thoracic aortic dissection. Greenberger R, et al. Australas Radiol 1985 May;29(2):135-7

Delayed and occult splenic rupture. Bundy AL, et al. Comput Radiol 1985 Sep-Oct;9(5):299-305

RADIONUCLIDE IMAGING

Delayed rupture of the spleen. A case report. Schultz DA, et al. Clin Nucl Med 1985 Sep;10(9):642-5

Scintigraphic follow-up of splenic rupture. Solheim K, et al. Clin Nucl Med 1985 Dec;10(12):851-4

SURGERY

Splenic artery ligation for traumatic rupture of the spleen. A case report. Andersson R, et al. Acta Chir Scand 1985; 151(8):709-10

Splenic injury sustained from blunt abdominal trauma [letter] Cooper MJ, et al. Ann Surg 1985 Dec;202(6):788

Splenic studies: II preservation of the ruptured spleen: a pilot study. Mabogunje OA. East Afr Med J 1985 Aug; 62(8):597-602

Splenic salvage. Scanland J, et al. J Tenn Med Assoc 1985 Sep;78(9):573-4

Splenic salvage. Naraynsingh V, et al. West Indian Med J 1985 Sep;34(3):203-5

[Atypical partial splenectomy: experimental study and clinical application] Liu LX. **Chung Hua I Hsueh Tsa Chih** 1985 Dec;65(12):726–8 (Eng. Abstr.) (Chi)

[Conservative treatment of splenic rupture in children] Cuendet A, et al. **Rev Med Suisse Romande** 1986 Mar; 106(3):223–7 (Fre)

[Follow-up after splenectomy in adults] Dürig M. **Aktuel Probl Chir Orthop** 1985;30:39–42 (Ger)

[Early complications of splenectomy in the adult] Dürig M, et al. **Aktuel Probl Chir Orthop** 1985;30:30–8 (Ger)

[Splenectomy and segment resection in traumatic splenic rupture] Frede KE. **Aktuel Probl Chir Orthop** 1985; 30:59–63 (Ger)

[Cellular changes in peripheral blood following splenectomy and replantation of autologous splenic tissue in adults] Landmann RM, et al. **Aktuel Probl Chir Orthop** 1985; 30:102–6 (Ger)

[Treatment of splenic rupture] Klaue P. **Chirurg** 1985 Nov; 56(11):680–7 (Ger)

[Staging of splenic rupture--surgical consequences in childhood] Roth H, et al. **Chirurg** 1986 Apr;57(4):194–7 (Ger)

[Critical observations on organ-preserving therapy in splenic rupture and the problem of spleen replantation following splenectomy] Spirig P, et al. **Helv Chir Acta** 1986 Jun; 53(1–2):29–31 (Eng. Abstr.) (Ger)

[Do you consider replantation of spleen tissue following splenectomy for traumatic splenic rupture as routine by now?] Farthmann EH, et al. **Langenbecks Arch Chir** 1985; 365(2):147–52 (Ger)

[Trends in the therapy of live and spleen injuries] Welter HF, et al. **Unfallchirurg** 1986 May;89(5):223–9 (Eng. Abstr.) (Ger)

[Should the injured spleen be preserved?] Wayand W, et al. **Zentralbl Chir** 1986;111(5):241–51 (Eng. Abstr.) (Ger)

[Splenectomy for injury: residual splenic parenchyma and incidence of infection in the follow-up of 25 patients] Earichens F, et al. **Minerva Chir** 1985 Oct 31;40(20):1423–7 (Eng. Abstr.) (Ita)

[Riding accidents. A case report] Tysvaer AT, et al. **Tidsskr Nor Laegeforen** 1986 Jan 10;106(1):9–12 (Eng. Abstr.) (Nor)

[Problem of splenic injuries in children: splenectomy and the possibilities of avoiding it] Chilarski A. **Pediatr Pol** 1985 Oct;60(10):680–6 (Pol)

[Surgical tactics in injuries of the parenchymatous organs of the abdominal cavity and retroperitoneal space in children (clinico-experimental study)] Stepanov EA, et al. **Khirurgiia (Mosk)** 1985 Jul;(7):46–50 (Eng. Abstr.) (Rus)

[Heterotopic autotransplantation of splenic tissue after splenectomy] Vinogradov VV, et al. **Khirurgiia (Mosk)** 1986 Feb;(2):87–9 (Eng. Abstr.) (Rus)

THERAPY

IgG and IgM antibody responses to pneumococcal vaccination in splenectomized children and in children who had non-operative management of splenic rupture. Kalin M, et al. **Acta Paediatr Scand** 1986 May;75(3):452–6

Non-operative management of a spontaneously ruptured malarial spleen. Clezy JK, et al. **Br J Surg** 1985 Dec; 72(12):990

Changing attitudes toward the management of blunt splenic trauma in adults. Mucha P Jr. **Mayo Clin Proc** 1986 Jun; 61(6):472–7

[Intraoperative embolization in the treatment of traumatic lesions of the spleen. Experimental study] Panebianco V, et al. **Chir Patol Sper** 1983 Dec;31(6):241–54 (Eng. Abstr.) (Ita)

[Conservative nonsurgical treatment of splenic rupture in children. Apropos of 2 cases] Freuler C, et al. **Minerva Chir** 1986 Feb 28;41(3–4):145–51 (Eng. Abstr.) (Ita)

SPLENIC VEIN

Splenic vein obstruction: a cause of upper gastrointestinal bleeding. Madsen MS. **Acta Chir Scand** 1986 May;152:393–5

Portal hypertension secondary to a spontaneous splenic arteriovenous fistula: case report and review of the literature. McClary RD, et al. **Am J Gastroenterol** 1986 Jul;81(7):572–5

Splenic arteriovenous fistula causing massive ascites: a case report. Watson WD, et al. **Angiology** 1986 Jan;37(1):36–40

Systemic lupus erythematosus with abdominal crisis: an interesting and unusual case. Johnson JF Jr. **J Tenn Med Assoc** 1986 Jan;79(1):13–4

[Unusual cause of digestive hemorrhage in chronic hemodialysis patients: splenic aneurysm with arteriovenous fistula] Bourdais A, et al. **J Chir (Paris)** 1985 May; 122(5):327–33 (Eng. Abstr.) (Fre)

[Partial thrombosis of the splenic vein after partial splenectomy. A clinical case (letter)] Muyingi AM, et al. **J Chir (Paris)** 1986 Apr;123(4):281–2 (Fre)

[Occlusion or stenosis of the splenoportal axis. Supplementary information with duplex sonography?] Czembirek H, et al. **ROFO** 1985 Nov;143(5):530–3 (Eng. Abstr.) (Ger)

[Artero-venous angiodysplasia at the splenic hylum: contribution to the knowledge of pre-hepatic artero-venous angiodysplasias with portal hypertension] Giampalmo A, et al. **Pathologica** 1985 Mar-Apr; 77(1048):199–202 (Eng. Abstr.) (Ita)

[Isolated thrombosis of the splenic vein in an infant. Splenectomy and reimplantation of splenic tissue] Esposito G, et al. **Pediatr Med Chir** 1985 Jan-Feb;7(1):77–80 (Eng. Abstr.) (Ita)

[Calcification of the portal and splenic veins in liver cirrhosis] Kamimura Y, et al. **Rinsho Hoshasen** 1986 Jan;31(1):119–21 (Eng. Abstr.) (Jpn)

ANATOMY & HISTOLOGY

Venous segmentation of the human spleen. A corrosion cast study. Dawson DL, et al. **Am Surg** 1986 May;52(5):253–6

Preoperative and postoperative evaluation of the patient with a splenorenal shunt with magnetic resonance imaging. Cohen JM, et al. **Surgery** 1986 May;99(5):634–6

INNERVATION

Muscarinic receptors of the vascular bed: radioligand binding studies on bovine splenic veins. Brunner F, et al. **J Cardiovasc Pharmacol** 1986 Jul-Aug;8(4):712–21

PATHOLOGY

Isolated splenic vein thrombosis. Glynn MJ. **Arch Surg** 1986 Jun;121(6):723–5

Splanchnic vein measurements in patients with liver cirrhosis: a case-control study. Zoli M, et al. **J Ultrasound Med** 1985 Dec;4(12):641–6

Ultrasonic demonstration of superior mesenteric and splenoportal venous thrombosis. Kidambi H, et al. **JCU** 1986 Mar-Apr;14(3):199–201

RADIOGRAPHY

Hepatoportal sclerosis in childhood. Maksoud JG, et al. **Am J Surg** 1986 Apr;151(4):484–8

[Inadequacy of using size variations of esophageal varices to evaluate the permeability of distal splenorenal anastomoses] Parra OM, et al. **Arq Gastroenterol** 1985 Apr-Jun;22(2):63–7 (Eng. Abstr.) (Por)

RADIONUCLIDE IMAGING

[Radionuclide angiography (scintiphotosplenovenography) in the evaluation of splenorenal shunt patency] Sukigara M, et al. **Nippon Geka Gakkai Zasshi** 1986 Jun;87(6):654–8 (Eng. Abstr.) (Jpn)

SURGERY

Anatomical basis of splenorenal anastomosis via the retroperitoneal approach. Heloury Y, et al. **Anat Clin** 1985; 7(4):227–31

The portacaval and splenocaval shunt in the normal rat. A morphometric and functional reevaluation. Schröder R, et al. **J Hepatol** 1985;1(2):107–23

[Distal pancreatectomy with preservation of the spleen after resection of splenic artery and vein for pancreas cyst. A case report] Sudo T, et al. **Nippon Geka Hokan** 1985 Sep 1;54(5):388–94 (Eng. Abstr.) (Jpn)

[Arterial hypertension in patients with venous lienorenal anastomoses] Lytkin MI, et al. **Klin Med (Mosk)** 1985 Nov; 63(11):55–8 (Eng. Abstr.) (Rus)

SPLENOMEGALY

BLOOD

Splenomegalic immunocytoma with circulating hairy cells. Report of eight cases and revision of the literature. Spriano P, et al. **Haematologica (Pavia)** 1986 Jan-Feb;71(1):25–33

CHEMICALLY INDUCED

Graves' disease with neutropenia and marked splenomegaly: autoimmune neutropenia due to propylthiouracil. Sato K, et al. **J Endocrinol Invest** 1985 Dec;8(6):551–5

COMPLICATIONS

Myelofibrosis, splenomegaly, and portal hypertension. Jacobs P, et al. **Acta Haematol (Basel)** 1985;74(1):45–8

Foot mass, rash, eosinophilia, and hepatosplenomegaly in a 30-year-old man [clinical conference] **Am J Med** 1986 Jun; 80(6):1177–83

Splenic haemodynamics and portal hypertension in patients with liver cirrhosis and spleen enlargement. Merkel C, et al. **Clin Physiol** 1985 Dec;5(6):531–9

Erythema multiforme and splenomegaly: an unusual presentation of Mycoplasma pneumoniae infection. Rozenbaum M, et al. **Isr J Med Sci** 1985 Jul;21(7):629–30

Systemic surgical shunts and splenomegaly as causes of haemolysis in portal hypertension in mansonic schistosomiasis. Evaluation through serum levels of haptoglobin, hemopexin and bilirubins. Strauss E, et al. **J Hepatol** 1986;2(3):340–50

Bleeding gastric varices [letter] Nestor JJ. **West J Med** 1986 Feb;144(2):232–3

DIAGNOSIS

A palpable spleen is not necessarily enlarged or pathological. Arkles LB, et al. **Med J Aust** 1986 Jul 7;145(1):15–7

Recent studies of hyperreactive malarious splenomegaly (tropical splenomegaly syndrome) in Papua New Guinea. Crane G. **Papua New Guinea Med J** 1986 Mar;29(1):35–40

How to detect early splenic enlargement. Hegde BM. **Practitioner** 1985 Oct;229(1408):857

Hepatosplenic schistosomiasis in Kenya: an assessment of the enzyme-linked immunosorbent assay (ELISA). de Cock KM, et al. **Trop Geogr Med** 1985 Dec;37(4):285–90

[Clinical significance of sonographically detected splenomegaly] Doll M, et al. **Dtsch Med Wochenschr** 1986 Jun 6;111(23):887–91 (Eng. Abstr.) (Ger)

[Diagnostic measures in splenomegaly] Schölmerich J. **Dtsch Med Wochenschr** 1986 Jun 6;111(23):903–5 (Ger)

[A rare manifestation of Boeck's disease] Steurer J, et al. **Schweiz Rundsch Med Prax** 1985 Oct 29;74(44):1204–7 (Eng. Abstr.) (Ger)

[Spienomegaly in Banti's syndrome] Bakaloudis P. **Khirurgiia (Mosk)** 1985 Aug;(8):84–6 (Rus)

DRUG THERAPY

Massive splenomegaly in myeloproliferative disorders treated by splenic artery infusion of cytarabine. Slocombe GW, et al. **Clin Lab Haematol** 1986;8(1):9–19

The impact of schistosomiasis mass treatment on hepato-splenomegaly in Napu Valley, Central Sulawesi, Indonesia. Hadidjaja P, et al. **Southeast Asian J Trop Med Public Health** 1985 Sep; 16(3):401–4

ETIOLOGY

Hepatosplenomegaly in infectious mononucleosis, assessed by ultrasonic scanning. Dommerby H, et al. **J Laryngol Otol** 1986 May;100(5):573–9

Massive splenomegaly as the presenting manifestation of sarcoidosis. Peter SA. **J Natl Med Assoc** 1986 Mar; 78(3):243–4

Hemolytic anemia and hepatosplenomegaly associated with cat-scratch fever. Greenbaum B, et al. **J Pediatr** 1986 Mar; 108(3):428–30

Chronic Q fever endocarditis with massive splenomegaly in childhood. Laufer D, et al. **J Pediatr** 1986 Apr;108(4):535–9

Acute splenic sequestration in sickle cell disease [letter] Mallouh A. **J Pediatr** 1986 Jun;108(6):1035–6

Epstein-Barr virus serology and malaria exposure in a small group of Liberian children with splenomegaly. Roberts DE, et al. **J Trop Pediatr** 1985 Aug;31(4):209–12

Analysis of two strains of Friend murine leukemia viruses differing in ability to induce early splenomegaly: lack of relationship with generation of recombinant mink cell focus-forming viruses. Sitbon M, et al. **J Virol** 1986 Jan; 57(1):389–93

Risks of liver and spleen enlargement in schistosomiasis mansoni infection in a rural Zambian community. Bulsara MK, et al. **Trans R Soc Trop Med Hyg** 1985;79(4):535–6

Isolated splenomegaly during remission in childhood acute lymphoblastic leukemia. Ozsoylu S, et al. **Turk J Pediatr** 1985 Oct-Dec;27(4):219–23

[Big spleen, big problems] Boon DA, et al. **Tijdschr Kindergeneeskd** 1985 Dec;53(6):224–7 (Eng. Abstr.) (Dut)

[Brucella canis infection in man] Schoenemann J, et al. **Dtsch Med Wochenschr** 1986 Jan 3;111(1):20–2 (Eng. Abstr.) (Ger)

[Tropical splenomegaly syndrome or hyperreactive malarial splenomegaly] Corachán M, et al. **Med Clin (Barc)** 1986 Jun 7;87(2):76–81 (57 ref.) (Spa)

[Value of splenectomy in the diagnosis of splenomegaly of unknown origin] Ortega González G, et al. **Med Clin (Barc)** 1986 May 3;86(17):705–8 (Eng. Abstr.) (Spa)

[Massive splenomegaly as a manifestation of systemic lupus erythematosus (letter)] Gonzáles-Conde y Borbón A, et al. **Rev Clin Esp** 1986 May;178(8):413–4 (Spa)

IMMUNOLOGY

In vitro growth inhibition of Plasmodium falciparum by sera from tropical splenomegaly syndrome patients. Campbell JR, et al. **Am J Trop Med Hyg** 1986 Jul;35(4):708–10

MICROBIOLOGY

[Chronic generalized lymphadenopathy with splenomegaly associated with HTLV-III virus antibodies] Mijović A, et al. **Srp Arh Celok Lek** 1986 Jan;114(1):109–20 (Eng. Abstr.) (Scc)

PATHOLOGY

Acute splenic sequestration crises in adults with sickle cell disease. Solanki DL, et al. **Am J Med** 1986 May; 80(5):985–90

Morphological bases of splenic circulation in congestive splenomegaly. Re G, et al. **Haematologica (Pavia)** 1985 Jul-Aug;70(4):283–90

Red pulp in splenomegaly syndrome: morphometric light and electron microscopy studies. Myhre Jensen O, et al. **Scand J Haematol** 1986 Mar;36(3):267–71

Follicular lymphomas with predominant splenic involvement: report of two cases. De Pasquale A, et al. **Tumori** 1986 Feb 28;72(1):109–15

[Myeloid splenomegaly and LAV/HTLVIII virus infection] Solal-Céligny P, et al. **Nouv Rev Fr Hematol** 1986; 28(3):163–9 (Fre)

PHYSIOPATHOLOGY

Splenic growth rates in cirrhotic and other splenomegalic diseases of childhood. Landing BH, et al. **Pediatr Pathol** 1985;4(3–4):213–7

[Platelet volume in myeloid splenomegaly] Jung G, et al. **Nouv Rev Fr Hematol** 1985;27(5):307–11 (Eng. Abstr.) (Fre)

[Banti's syndrome. Presentation of a case and pathogenetic problems] Cacciafesta M, et al. **Recenti Prog Med** 1986 Jan;77(1):17–23 (Eng. Abstr.) (Ita)

PREVENTION & CONTROL

Inhibitory effect of nocardia rubra cell wall skeleton on splenomegaly induced by Friend leukemia virus in mice. Mine Y, et al. **Arzneimittelforschung** 1985;35(10):1563–4

RADIONUCLIDE IMAGING

Liver–spleen scintigraphy in patients with acquired immunodeficiency syndrome. Smith R. **AJR** 1985 Dec; 145(6):1201–4

RADIOTHERAPY

[Symptomatic irradiation therapy of the spleen in advanced osteomyelosclerosis] Slanina J, et al. **Dtsch Med Wochenschr** 1986 Jul 25;111(30):1144–50 (Eng. Abstr.) (Ger)

SURGERY

Splenectomy for massive splenomegaly. Sharp P, et al. **Aust NZ J Surg** 1985 Oct;55(5):489–92

[Splenomegaly. Etiology, diagnosis and therapy from the surgical viewpoint] Franke F. **Fortschr Med** 1986 Mar 13; 104(10):204–8 (Eng. Abstr.) (Ger)

THERAPY

Splenomegaly. When and how to treat. Bruckstein AH. **Postgrad Med** 1986 Apr;79(5):289–96

[Partial embolization of the spleen. Apropos of a case report—review of the literature] Bastid C, et al. **Acta Gastroenterol Belg** 1985 Sep–Oct;48(5):523–8 (Eng. Abstr.) (Fre)

SPLENOPORTOGRAPHY see PORTOGRAPHY

SPLENORENAL SHUNT, SURGICAL see under PORTASYSTEMIC SHUNT, SURGICAL

SPLICING, RNA see RNA SPLICING

SPLINTS

Bite plates and stabilization splints in mandibular dysfunction. A clinical and electromyographic comparison. Dahlström L, et al. **Acta Odontol Scand** 1985 May;43(2):109–14

A gauntlet work splint. Bielawski T, et al. **Am J Occup Ther** 1986 Mar;40(3):199–201

Splinting proximal interphalangeal joint flexion contractures: a new design. Callahan AD, et al. **Am J Occup Ther** 1986 Jun;40(6):408–13

Ankle–foot positioning splint for comatose patients. Jean N, et al. **Am J Occup Ther** 1985 Oct;39(10):682–3

Effects of ankle–foot orthoses on functional motor performance in a child with spastic diplegia. Taylor CL, et al. **Am J Occup Ther** 1986 Jul;40(7):492–4

A modified cervical collar for the immediate postoperative care of the burned neck. Friedman R, et al. **Ann Plast Surg** 1985 Jun;14(6):548–9

Modification of a hand splint to permit playing of the guitar. Lawton MB, et al. **Arch Phys Med Rehabil** 1986 May; 67(5):342–3

Dynamic splinting: a systematic approach to the selection of elastic traction. Mildenberger LA, et al. **Arch Phys Med Rehabil** 1986 Apr;67(4):241–4

Internal derangements of the temporomandibular joint. III. Anterior repositioning splint therapy. Moloney F, et al. **Aust Dent J** 1986 Feb;31(1):30–9

Cast metal arch bars. Anwar M. **Br J Oral Maxillofac Surg** 1986 Apr;24(2):147–50

A modified arch bar for immobilisation of the jaws following trauma and facial deformity surgery. Barker GR. **Br J Oral Maxillofac Surg** 1986 Apr;24(2):143–6

A splint for the unstable zygomatic arch fracture. Jones GM, et al. **Br J Oral Maxillofac Surg** 1986 Aug;24(4):269–71

Use of Orthoplast as nasal splint. Matti BA, et al. **Br J Plast Surg** 1986 Jul;39(3):414–6

Modified microstomia prevention splint. Fowler D, et al. **Burns Incl Therm Inj** 1986 Jun;12(5):371–3

The reaction of the periodontium to different types of splints. (I). Clinical aspects. Ngassapa DN, et al. **Int J Oral Maxillofac Surg** 1986 Jun;15(3):240–9

Button wires in the treatment of mandibular fractures. O'Kane MM, et al. **Int J Oral Maxillofac Surg** 1986 Aug; 15(4):422–4

Universal polycarbonate fracture splint and its direct bonding potential. Wall WH. **Int J Oral Maxillofac Surg** 1986 Aug; 15(4):418–21

Splint recommendations [letter] Kaminishi RM. **J Am Dent Assoc** 1986 May;112(5):596

Splinting and replantation after traumatic avulsion. Kehoe JC. **J Am Dent Assoc** 1986 Feb;112(2):224–30 (61 ref.)

The use of a clear, pliable film to form a fiberglass–reinforced splint. Levenson MF. **J Am Dent Assoc** 1986 Jan; 112(1):79–80

Fixed–cemented appliance for oral electrical burns [letter] Silverglade D. **J Am Dent Assoc** 1986 Jun;112(6):806

Splint systems [letter] Weisman MI. **J Am Dent Assoc** 1986 Apr;112(4):450

Avascular necrosis in congenital hip dislocation. The significance of splintage. Pool RD, et al. **J Bone Joint Surg [Br]** 1986 May;68(3):427–30

Nonoperative treatment of traumatic dislocations of the extensor digitorum tendons in patients without rheumatoid disorders. Ritts GD, et al. **J Hand Surg [Am]** 1985 Sep; 10(5):714–6

Self–advancing silicone rubber splint for repair of split nail deformity. Seckel BR. **J Hand Surg [Am]** 1986 Jan; 11(1):143–4

A comparative controlled trial of a new perforated splint and a traditional splint in the treatment of mallet finger. Kinninmonth AW, et al. **J Hand Surg [Br]** 1986 Jun; 11(2):261–2

A modified splint for mallet finger. Stack HG. **J Hand Surg [Br]** 1986 Jun;11(2):263

Thermoplastic material for intraoral stent fabrication. Eppley BL, et al. **J Oral Maxillofac Surg** 1985 Nov;43(11):913–4

A two–piece surgical splint to facilitate hydroxylapatite augmentation of the mandibular alveolar ridge. Lambert PM. **J Oral Maxillofac Surg** 1986 Apr;44(4):329–31

Use of an open splint in ridge augmentation with hydroxylapatite. Pham H. **J Oral Maxillofac Surg** 1986 Jan; 44(1):80–1

The effect of acrylic bite plane splints and their vertical dimension on jaw muscle silent period in healthy young adults. Finger M, et al. **J Oral Rehabil** 1985 Sep;12(5):381–8

An electromyographic study of the immediate effect of an occlusal splint on the postural activity of the anterior temporal and masseter muscles in different body positions with and without visual input. Holmgren K, et al. **J Oral Rehabil** 1985 Nov;12(6):483–90

A clinical and electromyographic study of the long–term effects of an occlusal splint on the temporal and masseter muscles in patients with functional disorders and nocturnal bruxism. Sheikholeslam A, et al. **J Oral Rehabil** 1986 Mar; 13(2):137–45

Surgical and prosthetic treatment of superficial carcinoma of the oral cavity. Aramany MA, et al. **J Prosthet Dent** 1985 Dec;54(6):820–3

Surgical stent fabrication for hydroxyapatite augmentation of the edentulous ridge. Barrett GD. **J Prosthet Dent** 1985 Aug;54(2):215–20

A technique for evaluation of centric relation tooth contacts. Part II: Following use of an occlusal splint for treatment of temporomandibular joint dysfunction. Capp NJ, et al. **J Prosthet Dent** 1985 Nov;54(5):697–705

Auricular compression stent. Chalian VA, et al. **J Prosthet Dent** 1985 Oct;54(4):560–3

Protrusive positioners. Fox CW, et al. **J Prosthet Dent** 1985 Aug;54(2):258–62

Methyl methacrylate stent for prevention of postexcisional recurrent ear keloid. Hurtado AJ, et al. **J Prosthet Dent** 1985 Aug;54(2):245–50

Recommended chewing side with an anterior repositioning splint. Ito T, et al. **J Prosthet Dent** 1986 May;55(5):610–4

Construction of a ceramometal mandibular repositioning splint. Laurell KA. **J Prosthet Dent** 1985 Sep;54(3):439–42

An occlusal splint for patients with dentures. O'Grady JF, et al. **J Prosthet Dent** 1986 Feb;55(2):250–1

A double night guard retainer. Gabriele P. **NY State Dent J** 1986 Jan;52(1):30–1

Mucolipidosis type III (pseudo–Hurler polydystrophy): conservative treatment of myofascial pain dysfunction syndrome with the sterling silver splint. Lapeer GL, et al. **Oral Surg Oral Med Oral Pathol** 1986 May;61(5):448–52

Splint therapy evaluation with direct sagittal computed tomography. Manco LG, et al. **Oral Surg Oral Med Oral Pathol** 1986 Jan;61(1):5–11

A platform splint for orthognathic surgery. Nespeca JA, et al. **Oral Surg Oral Med Oral Pathol** 1986 Jul;62(1):7–9

Arthrographically assisted splint therapy: painful clicking with a nonreducing meniscus. Tallents RH, et al. **Oral Surg Oral Med Oral Pathol** 1986 Jan;61(1):2–4

Correction of congenital auricular deformities by splinting in the neonatal period. Brown FE, et al. **Pediatrics** 1986 Sep;78(3):406–11

The paperclip splint for finger injuries. Aiello WP, et al. **Plast Reconstr Surg** 1986 May;77(5):847–9

A "safe" nasal splint lined with dental impression compound [letter] Seitchik MW. **Plast Reconstr Surg** 1986 Jan; 77(1):164

Treatment of reciprocal clicking of the temporomandibular joint using a mandibular repositioning splint and occlusal adjustment. Le Bell Y, et al. **Proc Finn Dent Soc** 1985; 81(5–6):251–5

Splinting to maintain operative correction of the metatarsophalangeal joint [letter] Neifeld GB. **S Afr Med J** 1986 Aug 2;70(3):181

[Plaster of paris compared with Hexcelite. A prospective, randomized, cost–benefit analysis of below–the–knee casts] Nordkild P, et al. **Ugeskr Laeger** 1986 Jun 16; 148(25):1533–5 (Eng. Abstr.) (Dan)

[Our 5–year experience with the use of a new material for thoracic osteosynthesis: the sliding staple–splint] Borrelly J, et al. **Ann Chir** 1985 Oct;39(7):465–70 (Eng. Abstr.) (Fre)

[Flexor tendon suture and after care with a dynamic splint] Reill P. **Chirurg** 1985 Oct;56(10):613–9 (Ger)

[Initial experiences with adhesive bridges and splints—a retrospective cross–sectional study. 1. Maintenance and prognosis] Kerschbaum T, et al. **Schweiz Monatsschr Zahnmed** 1986 Jan;96(1):288–99 (Eng. Abstr.) (Ger)

[The Kieler orthosis system (K.O.S.) for the shoulder and elbow joint. I. Programmable motor splint (motorized training splint)] Blauth W. **Unfallchirurg** 1986 Jan; 89(1):28–36 (Eng. Abstr.) (Ger)

[Transport splint for the leg] Parshutin GE, et al. **Med Tekh** 1985 Nov–Dec;(6):44–5 (Rus)

[Treatment of mandibular fractures with a wire splint reinforced by a fast–hardening plastic] Kruchinskil GV, et al. **Stomatologiia (Mosk)** 1985 May–Jun;64(3):33–5 (Eng. Abstr.) (Rus)

[Orthodontic splint for treating tooth dislocations in children] Kutsevliak VI, et al. **Stomatologiia (Mosk)** 1985 Sep–Oct; 64(5):68 (Eng. Abstr.) (Rus)

[Use of standard dental splints for treating patients with mandibular fractures] Urazalin ZhV. **Stomatologiia (Mosk)** 1985 Jul–Aug;64(4):44–6 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Body splint dermatitis in childhood. Thomas SE, et al. **Contact Dermatitis** 1986 May;14(5):320–1

The reaction of the periodontium to different types of splints. (II). Histological aspects. Ngassapa DN, et al. **Int J Oral Maxillofac Surg** 1986 Jun;15(3):250–8

Occlusal changes following use of soft occlusal splints. Singh BP, et al. **J Prosthet Dent** 1985 Nov;54(5):711–5

Toxic shock syndrome following septoplasty using plastic septal splints. Wagner R, et al. **Laryngoscope** 1986 Jun; 96(6):609–10

HISTORY

Thomas Brian Gunning and his splint. Romm S. **Plast Reconstr Surg** 1986 Aug;78(2):252–8

VETERINARY

A comparison of some casting materials. Houlton JE, et al. **Vet Rec** 1985 Jul 20;117(3):55–8

SPLIT GENES see RNA SPLICING

SPONDYLARTHRITIS ANKYLOPOIETICA see SPONDYLITIS, ANKYLOSING

SPONDYLITIS

[Spondylitis after therapeutic and diagnostic procedures on lumbar intervertebral disks] Blagodatskil MD. **Vestn Khir** 1986 Mar;136(3):129–32 (Rus)

COMPLICATIONS

Spontaneous fusion of atlanto–axial dislocation in psoriatic spondylitis. Daunt SO, et al. **Clin Rheumatol** 1985 Dec; 4(4):465–9

Tuberculous spondylitis: a cause for paraplegia in lupus. Drosos AA, et al. **Rheumatol Int** 1985;5(4):185–6

[Spondylitis psoriatica] Rott Z, et al. **Acta Chir Orthop Traumatol Cech** 1986 Feb;53(1):31–3 (Eng. Abstr.) (Cze)

[Functional disorders of external respiration in patients with disseminated forms of tuberculous spondylitis and its sequelae] Garbuz AE, et al. **Probl Tuberk** 1986;(4):39–42 (Eng. Abstr.) (Rus)

DIAGNOSIS

MRI of tuberculous spondylitis. de Roos A, et al. **AJR** 1986 Jul;147(1):79–82

Gowers' sign in discitis in childhood. Amir N, et al. **Clin Pediatr (Phila)** 1986 Sep;25(9):459–61

[Pseudomeningeal forms of cervical chondrocalcinosis (letter)] Laroche M, et al. **Rev Rhum Mal Osteoartic** 1986 Apr;53(4):290 (Fre)

[Spondylitis in childhood] Grasshoff H. **Kinderarztl Prax** 1986 Jun;54(6):299–308 (Eng. Abstr.) (Ger)

[Infectious spondylitis: diagnosis and therapy] van der Linden S, et al. **Ther Umsch** 1985 Oct;42(10):711–3 (10 ref.) (Eng. Abstr.) (Ger)

[Fungus–induced spondylitis] Bruns J, et al. **Z Orthop** 1986 Jan–Feb;124(1):96–101 (Eng. Abstr.) (Ger)

[Spondylitis brucellosa] Rüther W, et al. **Z Orthop** 1986 Jan–Feb;124(1):89–95 (Eng. Abstr.) (Ger)

[Echinococcosis of the spine] Abdrakhmanov EA, et al. **Ortop Travmatol Protez** 1985 Sep;(9):57–8 (Rus)

[Isolated tuberculous spondylitis in the older person as a diagnostic problem] Mrda V, et al. **Vojnosanit Pregl** 1986 Jan–Feb;43(1):68–70 (Scr)

DRUG THERAPY

Flurbiprofen is as effective as naproxen in juvenile spondylitis. Leak AM, et al. **J Rheumatol** 1986 Jun; 13(3):664–5

ETIOLOGY

Tuberculous spondylitis in adults. Lifeso RM, et al. **J Bone Joint Surg [Am]** 1985 Dec;67(9):1405–13

Infection about the spine associated with low-velocity-missile injury to the abdomen. Romanick PC, et al. **J Bone Joint Surg [Am]** 1985 Oct;67(8):1195–201

Paraplegia due to aspergillosis. Successful conservative treatment of two cases. Ferris B, et al. **J Bone Joint Surg [Br]** 1985 Nov;67(5):800–3

Rheumatoid arthritis of the thoracic and lumbar spine. Heywood AW, et al. **J Bone Joint Surg [Br]** 1986 May; 68(3):362–8

Brucellar spondylitis: a detailed analysis based on current findings. Ariza J, et al. **Rev Infect Dis** 1985 Sep–Oct; 7(5):656–64 (60 ref.)

[Vertebral and thoracic osteoarticular manifestations in palmoplantar pustulosis] Prier A, et al. **Ann Med Interne (Paris)** 1985;136(8):615–9 (Eng. Abstr.) **(Fre)**

[Brucella spondylodiskitis] Bodmer K. **Schweiz Med Wochenschr** 1985 Aug 24;115(34):1160–5 (Eng. Abstr.) **(Ger)**

[Traumatic suppurative intervertebral osteochondritis] Demichev NP. **Vestn Khir** 1985 Oct;135(10):75–9 (Eng. Abstr.) **(Rus)**

[Neurobrucellosis in the Tarragona area (letter)] Costa B, et al. **Rev Clin Esp** 1986 Jun;179(1):53–4 **(Spa)**

[Septic spondylodiscitis caused by Acinetobacter in a heroin-addict patient] Miralles R, et al. **Rev Clin Esp** 1985 Oct;177(5):228–30 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Association between HLA-B16 and psoriatic spondylitis. Crivellato E, et al. **Acta Derm Venereol (Stockh)** 1986; 66(3):262–4

HLA studies in brucellar spondylitis. Alarcón GS, et al. **Clin Rheumatol** 1985 Sep;4(3):312–4

MICROBIOLOGY

[Isolation of Mycobacterium tuberculosis and their L forms from patients with osteoarticular tuberculosis] Krivtsova AE, et al. **Probl Tuberk** 1986;(3):63–6 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Infection of the intervertebral space following conventional and microsurgical operation on the herniated lumbar intervertebral disc. A controlled clinical trial. Dauch WA. **Acta Neurochir (Wien)** 1986;82(1–2):43–9

[Changes of the spine in working populations. I. Data on a male control group] Occhipinti E, et al. **Med Lav** 1985 Sep–Oct;76(5):387–98 (Eng. Abstr.) **(Ita)**

[Prevalence and various social aspects of osteoarthrosis deformans] Seitnepesov KN. **Ter Arkh** 1985;57(8):114–7 **(Rus)**

PATHOLOGY

Experimental autoimmune spondylodiscitis in rats. Takenaka Y, et al. **J Rheumatol** 1986 Apr;13(2):397–400

[Spondylitis—spondylodiscitis. Pathologico-anatomical morphology and diagnostic problems] Adler CP. **Radiologe** 1985 Jul;25(7):291–8 (28 ref.) (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Computed tomography in spondylitis. CT versus other radiographic methods. Raininko RK, et al. **Acta Orthop Scand** 1985 Oct;56(5):372–7

Vertebra plana: a case report describing the first use of CT in this condition. Castro R. **Del Med J** 1985 Dec; 57(12):761–4

Lesions of the spine in heroin addicts. Fabris D, et al. **Ital J Orthop Traumatol** 1985 Jun;11(2):241–8

A case of bacterial spondylodiscitis. Delree M, et al. **J Belge Radiol** 1985;68(6):448–9

Erosive arthritis of the costovertebral joint in seronegative spondyloarthropathy. Ellrodt A, et al. **J Rheumatol** 1986 Apr;13(2):452–4

Case report 344. Tuberculous spondylitis resulting in atlanto-axial dislocation. Dowd CF, et al. **Skeletal Radiol** 1986;15(1):65–8

[Cervical discitis, spondylitis and spondylodiscitis in chronic polyarthritis] Dirheimer Y, et al. **Radiologe** 1985 Jul; 25(7):318–23 (35 ref.) (Eng. Abstr.) **(Ger)**

[Information value of x-ray computed tomography for the detection and control of spondylitis] Heuck F, et al. **Radiologe** 1985 Jul;25(7):307–17 (Eng. Abstr.) **(Ger)**

[X-ray manifestations of tuberculous spondylitis in newly ill patients 50 and older] Sovetova NA, et al. **Probl Tuberk** 1985;(12):23–7 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

[Leukocyte scintigraphy of inflammatory processes in the spinal column] Georgi P, et al. **Radiologe** 1985 Jul; 25(7):324–8 (Eng. Abstr.) **(Ger)**

SURGERY

The classic. Support for the spondylitic spine by means of buried steel bars, attached to the vertebrae. By Fritz Lange. 1910. **Clin Orthop** 1986 Feb;(203):3–6

[Radical surgical treatment of spondylitis with extrafocal fixation of the spine with the Bizov apparatus] Lavrov VN. **Ortop Travmatol Protez** 1986 Feb;(2):28–31 (Eng. Abstr.) **(Rus)**

[Method for transplanting vascularized periosteum in the surgical treatment of tuberculous spondylitis] Bellendir EN, et al. **Probl Tuberk** 1986;(1):46–50 (Eng. Abstr.) **(Rus)**

THERAPY

Surgery and granulocyte transfusions for life-threatening infections in chronic granulomatous disease. Fanconi S, et al. **Helv Paediatr Acta** 1985 Sep;40(4):277–84

[Spinal osteochondrosis in geriatric practice] Demichev NP. **Vestn Khir** 1985 Jul;135(7):58–62 (Eng. Abstr.) **(Rus)**

VETERINARY

Cardiovascular infections in dogs: epizootiology, clinical manifestations, and prognosis. Calvert CA, et al. **J Am Vet Med Assoc** 1985 Sep 15;187(6):612–6

Vertebral body osteomyelitis in the horse. Markel MD, et al. **J Am Vet Med Assoc** 1986 Mar 15;188(6):632–4

Diskospondylitis in a kennel of dogs: clinicopathologic findings. Turnwald GH, et al. **J Am Vet Med Assoc** 1986 Jan 15;188(2):178–83

SPONDYLITIS, ANKYLOSING

Caudal anesthesia complicated by intraosseous injection in a patient with ankylosing spondylitis. Weber S. **Anesthesiology** 1985 Dec;63(6):716–7

BLOOD

Lack of correlation between clinical disease activity and erythrocyte sedimentation rate, acute phase proteins or protease inhibitors in ankylosing spondylitis. Sheehan NJ, et al. **Br J Rheumatol** 1986 May;25(2):171–4

MNS genotypes in ankylosing spondylitis. Matiniesen FK, et al. **J Bone Joint Surg [Br]** 1986 Aug;68(4):656–7

Is there more than one signal for an acute phase response? Richter MB, et al. **J Rheumatol** 1985 Dec;12(6):1048–52

[Serum level of C-reactive proteins in ankylosing spondylarthritis] Hrnčíř Z, et al. **Vnitr Lek** 1986 Jan; 32(1):67–72 (Eng. Abstr.) **(Cze)**

[Determination of growth hormone in plasma of psoriatic arthritis, psoriasis vulgaris and seronegative spondylarthritis] Partsch G, et al. **Z Rheumatol** 1985 Nov–Dec;44(6):267–9 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Ankylosing spondylitis and steroid therapy [letter] Umeki S, et al. **Arch Intern Med** 1986 May;146(5):1025

Fracture of the cervical spine in ankylosing spondylitis. Harding JR, et al. **Br J Radiol** 1985 Jan;58(685):3–7

Unexplained acute backache in longstanding ankylosing spondylitis. Dunn N, et al. **Br Med J [Clin Res]** 1985 Dec 7;291(6509):1632–4

The "last joint" syndrome in ankylosing spondylitisVeerapen K, et al. **Br Med J [Clin Res]** 1986 Aug 9;293(6543):368

Association between Behçet's syndrome and ankylosing spondylitis. Verbraeken H, et al. **Bull Soc Belge Ophtalmol** 1984;210:113–7

Glomerulc ephritis in ankylosing spondylitis. Shu KH, et al. **Clin Nephrol** 1986 Apr;25(4):169–74

Correction of chin-on-chest deformity in ankylosing spondylitis through a fracture site. A case report. Hershman EB, et al. **Clin Orthop** 1985 Dec;(201):201–4

Spinal epidural hematoma and ankylosing spondylitis. Hissa E, et al. **Clin Orthop** 1986 Jul;(208):225–7

Heterotopic bone formation following total hip arthroplasty in ankylosing spondylitis. Sundaram NA, et al. **Clin Orthop** 1986 Jun;(207):223–6

Spinal complications of ankylosing spondylitis [letter] Dunn NA. **J R Soc Med** 1986 Mar;79(3):184–5

The association of retroperitoneal fibrosis and ankylosing spondylitis [letter] Solomon SD, et al. **J Rheumatol** 1985 Aug;12(4):818

Coexistent rheumatoid arthritis and ankylosing spondylitis in a child [letter] Streilein KF, et al. **J Rheumatol** 1985 Dec;12(6):1216–8

Aortic valve disease, HLA B27, and spondylarthritis [letter] Swinson DR, et al. **Lancet** 1985 Oct 5;2(8458):776–7

Ankylosing spondylitis with cauda equina syndrome. Case report. Tilgner M, et al. **Mo Med** 1985 Nov;82(11):708–10

Cervical spinal cord injury complicating ankylosing spondylitis. Foo D, et al. **Paraplegia** 1985 Dec;23(6):358–63

Bilateral deep infrapatellar bursitis associated with tibial tuberosity enthesopathy in a case of juvenile ankylosing spondylitis. Lagier R, et al. **Rheumatol Int** 1985;5(4):187–90

Association of ankylosing spondylitis with hairy cell leukemia: a previously once reported case. Manna R, et al. **Z Rheumatol** 1985 Mar–Apr;44(2):93–6

[Prosthetic replacement in the treatment of the ankylosed hip] Lu SB, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Oct; 23(10):628–30, 639–40 (Eng. Abstr.) **(Chi)**

[Behçet's syndrome and ankylosing spondylarthritis] Dubost JJ, et al. **Rev Rhum Mal Osteoartic** 1985 Jul–Sep; 52(7–9):457–61 (Eng. Abstr.) **(Fre)**

[Dorsal spinal cord compression of inflammatory origin in ankylosing spondylarthritis] Jean-Baptiste G, et al. **Rev Rhum Mal Osteoartic** 1985 Nov;52(11):635–7 **(Fre)**

[Cauda equina syndrome with plantar perforating ulcer and neurogenic osteoarthropathies in a case of rheumatismal pelvospondylitis] Pouget J, et al. **Rev Rhum Mal Osteoartic** 1985 Jul–Sep;52(7–9):451–5 (Eng. Abstr.) **(Fre)**

[Rheumatismal pelvospondylitis and amyloidosis] Kchir MM, et al. **Tunis Med** 1985 Aug–Sep;63(8–9):431–3 (Eng. Abstr.) **(Fre)**

[Study of dorsal erection osteotomy in kyphosis] Rodegerdts U, et al. **Z Orthop** 1985 May–Jun;123(3):374–9 (Eng. Abstr.) **(Ger)**

[Interdependence of ankylosing spondylitis and Crohn's disease] Lysy Y, et al. **Harefuah** 1986 Jan 1;110(1):26–7 (Eng. Abstr.) **(Heb)**

[A case of ankylosing spondylitis complicated with mitral regurgitation] Tabata Y, et al. **Nippon Naika Gakkai Zasshi** 1985 Jul;74(7):917–25 **(Jpn)**

[Double disease in rheumatology] González T, et al. **Med Clin (Barc)** 1986 Jan 11;86(1):15–7 **(Spa)**

[Ankylopoietic spondylitis as cause of pulmonary lesions. Presentation of a case (letter)] Vilana Puig R, et al. **Rev Clin Esp** 1986 Mar;178(4):201–2 **(Spa)**

DIAGNOSIS

Diffuse lymphadenopathy as a manifestation of ankylosing spondylitis. Marantz PR, et al. **Am J Med** 1986 May; 80(5):951–3

Ankylosing spondylitis presenting as spondylodiscitis. Bourqui M, et al. **Clin Rheumatol** 1985 Dec;4(4):458–64

Ambulatory 24-hour continuous electrocardiographic monitoring in 54 patients with ankylosing spondylitis. Thomsen NH, et al. **Eur Heart J** 1986 Mar;7(3):240–6

Evaluation of early diagnostic criteria including HLA-B27 for ankylosing spondylitis in a follow-up study. Zeidler H, et al. **Z Rheumatol** 1985 Nov–Dec;44(6):249–53

[Has hla-B27 typing any significance for the diagnosis of ankylosing spondylitis?] van der Korst JK. **Ned Tijdschr Geneeskd** 1986 Jul 5;130(27):1219–20 **(Dut)**

[At the frontiers of ankylosing spondylarthritis] Chalès G, et al. **Presse Med** 1986 Jan 11;15(1):9–10 **(Fre)**

[Iliosacral arthritis and Bechterew's ankylosing spondylitis: early detection and therapy] van der Linden S, et al. **Ther Umsch** 1985 Oct;42(10):707–10 (12 ref.) (Eng. Abstr.) **(Ger)**

[Diagnosis and therapy of ankylosing spondylitis] Komatsubara Y. **Nippon Seikeigeka Gakkai Zasshi** 1985 Nov;59(11):1015–28 (33 ref.) **(Jpn)**

[Ankylopoietic spondylitis in women] Carasievici V, et al. **Rev Med Interna [Med Interna]** 1985 Sep–Oct;37(5):435–40 (Eng. Abstr.) **(Rum)**

[2 cases of juvenile ankylosing spondyloarthritis in girls] El'iashevich VE, et al. **Pediatriia** 1986 Jan;(1):45–7 **(Rus)**

[Juvenile ankylosing spondylitis] Mladenović V. **Srp Arh Celok Lek** 1985 Mar;113(3):221–34 (Eng. Abstr.) **(Scc)**

[Juvenile ankylosing spondylitis: clinical characteristics in 41 patients] Burgos-Vargas R, et al. **Bol Med Hosp Infant Mex** 1985 Sep;42(9):523–30 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Efficacy of diclofenac in ankylosing spondylitis. Calabro JJ. **Am J Med** 1986 Apr 28;80(4B):58–63

Sustained-release indomethacin in the management of ankylosing spondylitis. Calabro JJ. **Am J Med** 1985 Oct 25;79(4C):39–51 (74 ref.)

Flurbiprofen in the treatment of ankylosing spondylitis. A comparison with phenylbutazone. Lomen PL, et al. **Am J Med** 1986 Mar 24;80(3A):120–6

Safety of flurbiprofen in the treatment of ankylosing spondylitis, osteoarthritis, and rheumatoid arthritis. A summary of liver and kidney assay data. Lomen PL, et al. **Am J Med** 1986 Mar 24;80(3A):23–30

Flurbiprofen in the treatment of ankylosing spondylitis. A comparison with indomethacin. Lomen PL, et al. **Am J Med** 1986 Mar 24;80(3A):127–32

Sulphasalazine in ankylosing spondylitis. Feltelius N, et al. **Ann Rheum Dis** 1986 May;45(5):396–9

A comparison of diflunisal and phenylbutazone in the treatment of ankylosing spondylitis. Franssen MJ, et al. **Clin Rheumatol** 1986 Jun;5(2):210–20

Sulphasalazine (Salazopyrin) in the treatment of enterogenic reactive synovitis and ankylosing spondylitis with peripheral arthritis. Mielants H, et al. **Clin Rheumatol** 1986 Jan;5(1):80–3

Tolerability and efficacy of long-term daily administration of indomethacin for moderate to severe chronic arthritic disorders. Lockie LM. **Clin Ther** 1986;8(4):398–405

Intravenous methylprednisolone pulse therapy in ankylosing spondylitis. Ejstrup L, et al. **Dan Med Bull** 1985 Aug; 32(4):231–3

A long-term study of flurbiprofen in rheumatological disorders: III. Other articular conditions. Busson M. **J Int Med Res** 1986;14(1):13–8

Penicillamine in ankylosing spondylitis: a double blind placebo controlled trial. Steven MM, et al. **J Rheumatol** 1985 Aug;12(4):735–7

A parallel group comparison of tenoxicam and piroxicam in patients with ankylosing spondylitis. Bird HA, et al. **Pharmatherapeutica** 1986;4(7):457–62

Diclofenac in the treatment of ankylosing spondylitis: review of worldwide clinical experience and report of a double-blind comparison with indomethacin. Khan MA. **Semin Arthritis Rheum** 1985 Nov;15(2 Suppl 1):80-4

Spinal movements in ankylosing spondylitis and the effect of treatment. Pearcy MJ, et al. **Spine** 1985 Jun;10(5):472-4

[Calcitonin in the treatment of ankylosing spondylitis] Gospodinoff A, et al. **Clin Ter** 1985 Dec 15;115(5):375-9 (Eng. Abstr.) **(Ita)**

[Experience with using a new antirheumatic drug flugalin] Sigidin IaA, et al. **Ter Arkh** 1985;57(8):57-9 **(Rus)**

ETIOLOGY

Influence of trauma on initiation of Reiter's syndrome and ankylosing spondylitis [letter] Masson G, et al. **Ann Rheum Dis** 1985 Dec;44(12):860-1

Early radiologic manifestations of destructive spondylarthropathy in hemodialyzed patients [letter] Muñoz-Gómez J, et al. **Arthritis Rheum** 1986 Sep; 29(9):1171-2

The functional significance of sacroiliitis and ankylosing spondylitis in Reiter's syndrome. McGuigan LE, et al. **Clin Exp Rheumatol** 1985 Oct-Dec;3(4):311-5

Clinical features of inflammatory joint and spine manifestations in Crohn's disease. Münch H, et al. **Hepatogastroenterology** 1986 Jun;33(3):123-7

FAMILIAL & GENETIC

HLA restriction fragment length polymorphisms associated with insulin-dependent diabetes mellitus and the seronegative spondyloarthropathies. Acton RT, et al. **Biosci Rep** 1985 Oct-Nov;5(10-11):815-29

Molecular cloning and partial nucleotide sequence of a 3.5 kb HLA-B27-associated fragment of genomic DNA. Trapani JA, et al. **Immunogenetics** 1985;22(4):399-405

Complementation with HLA-A and HLA-D locus alleles in ankylosing spondylitis with peripheral arthritis. Aaron S, et al. **J Rheumatol** 1985 Jun;12(3):553-7

Is HLA-B27 the ankylosing spondylitis susceptibility gene? Bensen WG, et al. **J Rheumatol** 1985 Oct;12(5):949-52

Familial aggregation in seronegative spondyloarthritis of enterogenic origin. A family study. Mielants H, et al. **J Rheumatol** 1986 Feb;13(1):126-8

HLA haplotypes in a family with ankylosing spondylitis and rheumatoid arthritis. Rantapää Dahlqvist S, et al. **J Rheumatol** 1985 Jun;12(3):518-22

Discordance for ankylosing spondylitis in a B27 negative monozygotic twin. Wojtys E, et al. **J Rheumatol** 1986 Feb; 13(1):205-7

[Discordance of ankylosing spondylitis in a monozygotic twin] Bartha A, et al. **Z Rheumatol** 1985 Mar-Apr; 44(2):72-6 (Eng. Abstr.) **(Ger)**

[Immunogenetic analysis of the ankylosing spondylitis syndrome] Iaich I, et al. **Ter Arkh** 1985;57(12):85-9 **(Rus)**

IMMUNOLOGY

Ankylosing spondylitis, HLA-B27, and klebsiella: cross reactivity and antibody studies [letter] Ebringer A, et al. **Ann Rheum Dis** 1986 Aug;45(8):703-4

IgA serum levels and disease activity in ankylosing spondylitis: a prospective study. Franssen MJ, et al. **Ann Rheum Dis** 1985 Nov;44(11):766-71

Ankylosing spondylitis, HLA-B27, and klebsiella [letter] Geczy AF. **Ann Rheum Dis** 1986 Mar;45(3):261-2

Significance of non-pathogenic cross reactive bowel flora in patients with ankylosing spondylitis. McGuigan LE, et al. **Ann Rheum Dis** 1986 Jul;45(7):566-71

HLA-B27 associated cross-reactive marker on the cells of New Zealand patients with ankylosing spondylitis. McGuigan LE, et al. **Ann Rheum Dis** 1986 Feb;45(2):144-8

Further observations upon HLA-B27, Yersinia enterocolitica, and ankylosing spondylitis [letter] Pease PE, et al. **Ann Rheum Dis** 1986 Jun;45(6):526-8

Ankylosing spondylitis, HLA-B27, and Klebsiella: a study of lymphocyte reactivity of anti-Klebsiella sera. Singh B, et al. **Ann Rheum Dis** 1986 Mar;45(3):190-7

Normal anti-Klebsiella lymphocytotoxicity in ankylosing spondylitis. Kinsella TD, et al. **Arthritis Rheum** 1986 Mar; 29(3):358-62

A reinvestigation of the cross-reactivity between Klebsiella and HLA-B27 in the aetiology of ankylosing spondylitis. Georgopoulos K, et al. **Clin Exp Immunol** 1985 Dec; 62(3):662-71

Chlamydial antibody crossreactivity with peripheral blood mononuclear cells of patients with ankylosing spondylitis: the role of HLA B27. Wakefield D, et al. **Clin Exp Immunol** 1986 Jan;63(1):49-57

Absence of cross-reaction between HLA B27 and yersinia enterocolitica or chlamydia trachomatis in reactive arthritis and ankylosing spondylitis [letter] Roudier J, et al. **Clin Rheumatol** 1985 Dec;4(4):487

Spondyloarthritis, uveitis, HLA-B27 and Klebsiella. Ebringer A, et al. **Immunol Rev** 1985 Aug;86:101-16

Specific cell-mediated responses to bacterial antigens and clinical correlations in reactive arthritis, Reiter's syndrome and ankylosing spondylitis. Sheldon P. **Immunol Rev** 1985 Aug;86:5-25

Molecular variants of the HLA-B27 antigen in healthy individuals and patients with spondylarthropathies. Turek PJ, et al. **Immunol Rev** 1985 Aug;86:71-91

HLA-B27 and clinical aspects of ankylosing spondylitis: results of prospective studies. Wagener P, et al. **Immunol Rev** 1985 Aug;86:93-100

Detection & characterization of immune complexes in the sera of ankylosing spondylitis patients. Kapoor AK, et al. **Indian J Med Res** 1985 Nov;82:447-51

HLA-B27 and ankylosing spondylitis: an anti-idiotypic model. McLean IL, et al. **J Clin Lab Immunol** 1985 Nov; 18(3):123-7

Cytotoxic T lymphocytes against disease-associated determinant(s) in ankylosing spondylitis. Geczy AF, et al. **J Exp Med** 1986 Sep 1;164(3):932-7

Discordance between HLA-B27 and ankylosing spondylitis: a family investigation. Gladman DD, et al. **J Rheumatol** 1986 Feb;13(1):129-36

Anti-beta 2-microglobulin antibodies in systemic lupus erythematosus and ankylosing spondylitis: effects on in vitro lymphocyte function. Meryhew NL, et al. **J Rheumatol** 1986 Feb;13(1):83-9

C-reactive protein: a marker for disease activity in ankylosing spondylitis and Reiter's syndrome. Nashel DJ, et al. **J Rheumatol** 1986 Apr;13(2):364-7

Immunoglobulin allotypes in patients with ankylosing spondylitis, Reiter's syndrome and acute anterior uveitis. Russell AS, et al. **J Rheumatol** 1985 Jun;12(3):523-5

Immunoglobulin allotypes in patients with B27 positive ankylosing spondylitis [letter] Russell AS, et al. **J Rheumatol** 1985 Dec;12(6):1200

Blind confirmation of Geczy factor in ankylosing spondylitis [letter] van Rood JJ, et al. **Lancet** 1985 Oct 26; 2(8461):943-4

Subclasses IgG1-IgG4 in serum in ankylosing spondylitis. Hrnčíř Z, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1984; 27(2):243-51

The immunopathology of ankylosing spondylitis--a review. McGuigan LE, et al. **Semin Arthritis Rheum** 1985 Nov; 15(2):81-105 (197 ref.)

T lymphocyte subpopulations in synovial fluid in ankylosing spondylitis. Chou CT, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Jan;85(1):26-9

[Serum concentration of IgA1 and IgA2 subclasses in ankylosing spondylarthritis] Hrnčíř Z, et al. **Cas Lek Cesk** 1985 Nov 22;124(47):1461-2 (Eng. Abstr.) **(Cze)**

[Immunological anomalies in ankylosing spondylarthritis] Duquesnoy B. **Presse Med** 1986 Jun 7;15(23):1067-8 **(Fre)**

METABOLISM

The generation of superoxide anions by polymorphonuclear leucocytes from patients with ankylosing spondylitis in response to the stimulant f-met-leu-phe. Miller C, et al. **Clin Exp Rheumatol** 1986 Apr-Jun;4(2):135-7

MICROBIOLOGY

Observations on the action of strains of Yersinia enterocolitica from various sources on Hep-2 cells and human foetal gut. Bojuwoye JB, et al. **Microbios** 1985; 43(174-175):149-56

Antibodies to Enterobacteriaceae in ankylosing spondylitis. van Bohemen CG, et al. **Scand J Rheumatol** 1986; 15(2):143-7

OCCURRENCE

Risk of developing ankylosing spondylitis in HLA-B27 positive individuals [letter] **J Rheumatol** 1986 Feb; 13(1):220-4

[Reflections on ankylosing spondylitis in Black Africa. Apropos of a juvenile-onset case] Leleu JP, et al. **Rev Rhum Mal Osteoartic** 1986 Apr;53(4):249-52 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

The pain of ankylosing spondylitis. Good AE. **Am J Med** 1986 Mar 24;80(3A):118-9

A review of 100 patients with ankylosing spondylitis with particular reference to socio-economic effects. Wordsworth BP, et al. **Br J Rheumatol** 1986 May; 25(2):175-80

Exercise performance of subjects with ankylosing spondylitis and limited chest expansion. Elliott CG, et al. **Bull Eur Physiopathol Respir** 1985 Jul-Aug;21(4):363-8

Delayed evoked potentials in patients with ankylosing spondylitis. Pillay N, et al. **J Rheumatol** 1986 Feb; 13(1):137-41

Objective analysis of walking in a patient with ankylosing spondylitis and bilateral hip and knee fusion. A case report. Matsunaga T, et al. **Scand J Rehabil Med** 1986;18(1):23-7

Follow-up findings in three patients with spinal ankylosing spondylitis. Goei The HS, et al. **Scand J Rheumatol** 1986; 15(2):221-3

[Right-heart catheterization in ankylosing spondylitis] Král J, et al. **Cas Lek Cesk** 1986 Mar 28;125(13):406-9 (Eng. Abstr.) **(Cze)**

[Total functional ability of patients with ankylosing spondylitis] Franović A, et al. **Reumatizam** 1985; 32(5-6):121-5 (Eng. Abstr.) **(Ser)**

RADIOGRAPHY

Pedal radiographic manifestations of the seronegative spondyloarthritides. Part III: Ankylosing spondylitis. Bartolomei FJ. **J Am Podiatr Med Assoc** 1986 Jul; 76(7):380-5

Computer assisted tomography of the apophyseal changes in patients with ankylosing spondylitis. Russell AS, et al. **J Rheumatol** 1986 Jun;13(3):581-5

Radiographic evaluation of patients with Bechterew's syndrome (ankylosing spondylitis). Findings in peripheral joints, tendon insertions and the pubic symphysis and relations to non-radiographic findings. Vinje O, et al. **Scand J Rheumatol** 1985;14(3):279-88

[X-ray diagnostic concept of spondylodiscitis] Lingg G, et al. **Radiologe** 1985 Jul;25(7):299-306 (Eng. Abstr.) **(Ger)**

[Computer tomography in the assessment of neurologic complications in ankylosing spondylitis (the CT triad in the cauda equina syndrome)] Dihlmann W, et al. **Z Rheumatol** 1986 May-Jun;45(3):126-8 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Application of Bayes' theorem to the diagnosis of ankylosing spondylitis from radioisotope bone scans. Diffey BL, et al. **Ann Rheum Dis** 1985 Oct;44(10):667-70

RADIOTHERAPY

Multiple basal cell carcinomas in two cases of ankylosing spondylitis treated with X-ray therapy. Rampling RP, et al. **Br J Radiol** 1985 Feb;58(686):178-81

224Ra: risk to bone and haematopoietic tissue in ankylosing spondylitis patients. Wick RR, et al. **Strahlentherapie [Sonderb]** 1985;80:38-44

SURGERY

Osteotomy for kyphosis in ankylosing spondylitis. Styblo K, et al. **Acta Orthop Scand** 1985 Aug;56(4):294-7

Corrective osteotomy of the spine in ankylosing spondylitis. Experience with 66 cases. Camargo FP, et al. **Clin Orthop** 1986 Jul;(208):157-67

THERAPY

The effect of acupuncture on ankylosing spondylitis [letter] Emery P, et al. **Br J Rheumatol** 1986 Feb;25(1):132-3

The seronegative spondyloarthropathies. A graduated approach to management. Calabro JJ. **Postgrad Med** 1986 Aug;80(2):173-80, 185-8 (20 ref.)

[Magnetotherapy in the treatment of ankylosing spondylarthritis] Claisse RH, et al. **Acta Belg Med Phys** 1986 Jan-Mar;9(1):15-36 **(Fre)**

[Reflexotherapy in the complex treatment of Bechterew's disease] Podrosh KhD, et al. **Ter Arkh** 1985;57(8):60-3 **(Rus)**

[Evaluation of the possibilities of supplementing or changing the exercise therapy performed by patients with ankylosing spondylitis by using kinesiologic elements of recreational sports] Franović A, et al. **Reumatizam** 1985;32(3-4):55-61 (Eng. Abstr.) **(Ser)**

SPONDYLOEPIPHYSEAL DYSPLASIA see **OSTEOCHONDRODYSPLASIAS**

SPONDYLOLISTHESIS

Severe spondylolisthesis. Herring JA, et al. **J Pediatr Orthop** 1985 Nov-Dec;5(6):737-9

COMPLICATIONS

Recurrent articular spondylolisthesis: common cause of vertebral instabilities, root pain, sciatica, and ultimately spinal stenosis. Early detection and blocking of specific dislocations. Milgram JE. **Bull Hosp Jt Dis Orthop Inst** 1986 Spring;46(1):47-51

Nerve root compression in spondylolysis and spondylolisthesis. Edelson JG, et al. **J Bone Joint Surg [Br]** 1986 Aug;68(4):596-9

Concomitant discitis and spondylolisthesis at adjacent lumbar vertebrae. Loder RT, et al. **Orthopedics** 1986 Feb; 9(2):283-5

Unilateral spondylolysis and contralateral pedicle fracture. Garber JE, et al. **Spine** 1986 Jan-Feb;11(1):63-6

DIAGNOSIS

[Various problems of the clinico-roentgenological diagnosis of spondylolisthesis in children] Rale RE, et al. **Pediatriia** 1986 Mar;(3):59-61 **(Rus)**

ETIOLOGY

Spondylolisthesis after spinal fusion with an intact neural arch. A case report. Cashion EL, et al. **J Tenn Med Assoc** 1985 Aug;78(8):496-7

The importance of mechanical factors in the etiology of spondylolysis. A model analysis of loads and stresses in human lumbar spine. Dietrich M, et al. **Spine** 1985 Jul-Aug; 10(6):532-42

Postoperative instability after decompression for lumbar spinal stenosis. Johnsson KE, et al. **Spine** 1986 Mar; 11(2):107-10

[Isthmus lysis and spondylolisthesis. A traumatic pathology] Galakoff C, et al. **Arch Fr Pediatr** 1985 Jun-Jul; 42(6):437-40 (Eng. Abstr.) **(Fre)**

[Erosive disk diseases in chronic hemodialysis patients. 3 new cases of cervical localization (letter)] Hardouin P, et al. **Presse Med** 1985 Dec 7;14(42):2150–1 **(Fre)**

[Evaluation of the risk of vertebral displacement after surgical treatment of a lumbar stenosis] de la Caffinière JY. **Rev Chir Orthop** 1986;72(1):73–80 (Eng. Abstr.) **(Fre)**

[Spondylolisthesis in various systemic diseases] Zebrowski W. **Chir Narzadow Ruchu Ortop Pol** 1985;50(2):102–6 (Eng. Abstr.) **(Pol)**

[Clinical aspects of instability of the cervical segment of the spine] Khvisiuk NI, et al. **Ortop Travmatol Protez** 1986 Jan;(1):25–31 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Spondylolysis in Eskimo skeletons. Simper LB. **Acta Orthop Scand** 1986 Feb;57(1):78–80

PATHOLOGY

Atlanto–occipital fusion and spondylolisthesis in an Anasazi skeleton from Bright Angel Ruin, Grand Canyon National Park, Arizona. Merbs CF, et al. **Am J Phys Anthropol** 1985 Aug;67(4):381–91

RADIOGRAPHY

Diagnosis and evaluation of spondylolisthesis and/or spondylolysis on axial CT. Teplick JG, et al. **AJNR** 1986 May–Jun;7(3):479–91

Spondylarthrography: the demonstration of spondylolysis by apophyseal joint arthrography. Park WM, et al. **Clin Radiol** 1985 Jul;36(4):427–30

Multiplanar CT in the evaluation of degenerative spondylolisthesis. A review of 150 cases. Rothman SL, et al. **Comput Radiol** 1985 Jul–Aug;9(4):223–32

Spondylolysis and spondylolisthesis in children. Hensinger RN. **Instr Course Lect** 1983;32:132–51

[Radiologic approach of spondylolysis (an analysis of 200 cases)] Fang TS. **Chung Hua Fang She Hsueh Tsa Chih** 1985 Jun;19(3):157–9 (Eng. Abstr.) **(Chi)**

[Isthmus lysis and spondylolisthesis. A traumatic pathology] Galakoff C, et al. **Arch Fr Pediatr** 1985 Jun–Jul; 42(6):437–40 (Eng. Abstr.) **(Fre)**

[Retrosomatic spondylolysis of the 5th lumbar vertebra with segmentation disorder of the corresponding spinal arch] Niethard FU, et al. **Z Orthop** 1985 Sep–Oct;123(5):859–63 (Eng. Abstr.) **(Ger)**

[Nontraumatic spondylolysis of the axis vertebra] Hanakita J, et al. **No Shinkei Geka** 1985 Oct;13(10):1097–101 (Eng. Abstr.) **(Jpn)**

[Radiological and anatomical studies of degenerative spondylolisthesis] Smereczyński A, et al. **Chir Narzadow Ruchu Ortop Pol** 1985;50(3):248–51 (Eng. Abstr.) **(Pol)**

SURGERY

Intercorporal lumbar spondylodesis. 312 patients followed for 2–20 years. Thomasen E. **Acta Orthop Scand** 1985 Aug; 56(4):287–93

Direct repair of lumbar spondylolysis. van der Werf GJ, et al. **Acta Orthop Scand** 1985 Oct;56(5):378–9

Follow–up study of medial facetectomies and posterolateral fusion with instrumentation in unstable degenerative spondylolisthesis. Kaneda K, et al. **Clin Orthop** 1986 Feb; (203):159–67

The surgical reduction of spondylolisthesis. Matthiass HH, et al. **Clin Orthop** 1986 Feb;(203):34–44

Management of spondylolysis and spondylolisthesis. Bradford DS. **Instr Course Lect** 1983;32:151–62

Degenerative spondylolisthesis. Brown MD, et al. **Instr Course Lect** 1983;32:162–9

A new technique for the reduction and stabilisation of severe spondylolisthesis. A report of nine cases. Sijbrandij S. **Int Orthop** 1985;9(4):247–53

Stabilisation of spondylolisthesis using Dwyer instrumentation. McQueen MM, et al. **J Bone Joint Surg [Br]** 1986 Mar;68(2):185–8

Intact arch spondylolisthesis. A review of 50 cases and description of surgical treatment. Alexander E Jr, et al. **J Neurosurg** 1985 Dec;63(6):840–4

Posterolateral fusion for spondylolisthesis in adolescence. Pizzutillo PD, et al. **J Pediatr Orthop** 1986 May–Jun; 6(3):311–6

Technique for achievement and maintenance of reduction for severe spondylolisthesis using spinous process traction wiring and external fixation of the pelvis. Balderston RA, et al. **Spine** 1985 May;10(4):376–82

Repair of the defect in spondylolysis or minimal degrees of spondylolisthesis by segmental wire fixation and bone grafting. Bradford DS, et al. **Spine** 1985 Sep;10(7):673–9

Treatment of a markedly displaced hangman's fracture with a luque rectangle and a posterior fusion in a 71–year–old man. Case report. Bridwell KH. **Spine** 1986 Jan–Feb; 11(1):49–52

Degenerative spondylolisthesis. Its surgical management. Dall BE, et al. **Spine** 1985 Sep;10(7):668–72

Treatment of spondyloptosis by two stage L5 vertebrectomy and reduction of L4 onto S1. Gaines RW, et al. **Spine** 1985 Sep;10(7):680–6

Decompression and distraction–derotation arthrodesis for degenerative spondylolisthesis. Hanley EN Jr. **Spine** 1986 Apr;11(3):269–76

Distraction rod instrumentation with posterolateral fusion in isthmic spondylolisthesis. 53 cases followed for 18–89 months. Kaneda K, et al. **Spine** 1985 May;10(4):383–9

Treatment of degenerative spondylolisthesis. Lombardi JS, et al. **Spine** 1985 Nov;10(9):821–7

[Creatine phosphokinases and serum and urinary myoglobin following a procedure in prolonged knee–chest position for the treatment of spondylolisthesis] Davidas JL, et al. **Ann Fr Anesth Reanim** 1986;5(1):31–4 (Engl. Abstr.) **(Fre)**

[Osteosynthesis of the low lumbar spine and spondylolisthesis. Modification of the Scholner plate and pedicular screwing] Fuentes JM, et al. **Neurochirurgie** 1985; 31(6):513–8 (Eng. Abstr.) **(Fre)**

[Spondylolisthesis and related conditions; pathology, clinical aspects and treatment] Soren A, et al. **Z Orthop** 1986 May–Jun;124(3):307–12 (Eng. Abstr.) **(Ger)**

[Ventral intercorporal spondylodesis of the lumbar spine in segmental instability] Mayer G, et al. **Zentralbl Chir** 1986; 111(10):609–15 (Eng. Abstr.) **(Ger)**

THERAPY

Treatment of symptomatic spondylolysis and spondylolisthesis with the modified Boston brace. Steiner ME, et al. **Spine** 1985 Dec;10(10):937–43

SPONDYLOLYSIS see under **SPONDYLOLISTHESIS**

SPONDYLOSIS DEFORMANS see **SPINAL OSTEOPHYTOSIS**

SPORES

ISOLATION & PURIFICATION

A method for the study of sporocyst demography during schistosome development. Veas F. **J Parasitol** 1986 Apr; 72(2):357–8

PHYSIOLOGY

An in vitro study of sporulation in Cryptosporidium species. Woodmansee DB. **J Parasitol** 1986 Apr;72(2):348–9

SPORES, BACTERIAL

Comment on 'Duplicated sporulation genes in bacteria' by J. Errington, P. Fort and J. Mandelstam. Stragier P. **FEBS Lett** 1986 Jan 20;195(1–2):9–11

The nucleotide sequence of a spore germination gene (gerA) of Bacillus subtilis 168. Feavers IM, et al. **Gene** 1985; 38(1–3):95–102

Genes for Bacillus megaterium small, acid–soluble spore proteins: cloning and nucleotide sequence of three additional genes from this multigene family. Fliss ER, et al. **J Bacteriol** 1986 Feb;165(2):467–73

Characterization of a parasporal inclusion body from sporulating, enterotoxin–positive Clostridium perfringens type A. Löffler A, et al. **J Bacteriol** 1986 Feb;165(2):542–8

Catabolite–resistant sporulation (crsA) mutations in the Bacillus subtilis RNA polymerase sigma 43 gene (rpoD) can suppress and be suppressed by mutations in spo0 genes. Kawamura F, et al. **Proc Natl Acad Sci USA** 1985 Dec; 82(23):8124–8

ANALYSIS

Serum stimulation and repression of flow immunofluorescence staining of bacteria. Phillips AP, et al. **J Immunol Methods** 1985 Nov 28;84(1–2):303–11

Laser Raman spectroscopy of lyophilized bacterial spores. Shibata H, et al. **Microbiol Immunol** 1986;30(4):307–13

[Purification of sequence study of the peptide–regulating germinant specificity of Bacillus megaterium spores] Uchida Y, et al. **Nippon Saikingaku Zasshi** 1985 May; 40(3):589–98 (Eng. Abstr.) **(Jpn)**

METABOLISM

Correlation of penicillin–binding protein composition with different functions of two membranes in Bacillus subtilis forespores. Buchanan CE, et al. **J Bacteriol** 1986 Feb; 165(2):498–503

ULTRASTRUCTURE

Isolation and properties of Streptomyces spore membranes. Quirós LM, et al. **J Bacteriol** 1986 Mar;165(3):923–8

SPORES, FUNGAL

Formation and germination of fungal arthroconidia. Barrera CR. **CRC Crit Rev Microbiol** 1986;12(4):271–92 (83 ref.)

Conidiogenesis of fungi pathogenic for man. Campbell CK. **CRC Crit Rev Microbiol** 1986;12(4):321–41 (102 ref.)

ANALYSIS

Sequential sampling of fungal air spores inside and outside the homes of mould–sensitive, asthmatic patients: a search for a relationship to obstructive reactions. Beaumont F, et al. **Ann Allergy** 1985 Nov;55(5):740–6

[Variations in fungal spores in the air during the last 10 years in Belgium] Vanbreuseghem R, et al. **Bull Mem Acad R Med Belg** 1985;140(1–3):147–58 (Eng. Abstr.) **(Fre)**

[Mushroom poisoning: mycologists' contribution to diagnosis and therapy] Horak E. **Schweiz Rundsch Med Prax** 1985 Sep 10;74(37):968–71 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Role of Alternaria and Penicillium spores in the pathogenesis of asthma. Licorish K, et al. **J Allergy Clin Immunol** 1985 Dec;76(6):819–25

ISOLATION & PURIFICATION

Indoor airborne mould spores. Gravesen S. **Allergy** 1985;40 Suppl 3:21–3

Mould spores and yeasts in outdoor air. Rantio–Lehtimäki A. **Allergy** 1985;40 Suppl 3:17–20

PHYSIOLOGY

Effects of broiler litter volatiles and ammonia on fungal spore germination. Bacon CW. **Poult Sci** 1986 Apr;65(4):710–6

SPORIDESMINS see under **INDOLES**

SPOROTHRIX see **SPOROTRICHUM**

SPOROTRICHOSIS

Articular sporotrichosis. Yao J, et al. **Clin Orthop** 1986 Mar; (204):207–14

Disseminated Sporothrix schenckii infection with arthritis in a patient with acquired immunodeficiency syndrome. Lipstein–Kresch E, et al. **J Rheumatol** 1985 Aug; 12(4):805–8

Sporotrichosis of the knee. A case report. Yacobucci GN, et al. **Orthopedics** 1986 Mar;9(3):387–90

DIAGNOSIS

Sporotrichosis masquerading as pyoderma gangrenosum. Spiers EM, et al. **Arch Dermatol** 1986 Jun;122(6):691–4

Sporotrichal arthritis presenting as granulomatous myositis. Halverson PB, et al. **Arthritis Rheum** 1985 Dec; 28(12):1425–9

[Fixed cutaneous sporotrichosis. Presentation of 2 cases] Difonzo EM, et al. **G Ital Dermatol Venereol** 1986 Jan–Feb; 121(1):33–8 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Itraconazole therapy in lymphangitic and cutaneous sporotrichosis. Restrepo A, et al. **Arch Dermatol** 1986 Apr; 122(4):413–7

A diffusion chamber technique for testing of antifungal drugs against Sporothrix schenckii in vivo. Schaude M, et al. **J Med Vet Mycol** 1986 Aug;24(4):297–304

Pulmonary sporotrichosis: review of treatment and outcome. Pluss JL, et al. **Medicine (Baltimore)** 1986 May;65(3):143–53 (58 ref.)

ETIOLOGY

Cutaneous lymphatic sporotrichosis infected in Holland [letter] Konohana IK, et al. **Clin Exp Dermatol** 1985 Nov; 10(6):601–2

HISTORY

Sporotrichosis. A historical approach. Aram H. **Int J Dermatol** 1986 Apr;25(3):203–5

METABOLISM

Metabolic activity of phagocytes in experimental sporotrichosis. Ramos–Zepeda R, et al. **Mycopathologia** 1986 Feb;93(2):109–12

OCCURRENCE

Survey of 200 cases of sporotrichosis. Itoh M, et al. **Dermatologica** 1986;172(4):209–13

Sporotrichosis in India: first authentic case report from the north–western region and a critical literature review. Kini S, et al. **J Med Vet Mycol** 1986 Aug;24(4):289–95

PATHOLOGY

Spontaneous disappearance of cutaneous sporotrichosis. Report of two cases. Iwatsu T, et al. **Int J Dermatol** 1985 Oct;24(8):524–5

Sporotrichosis. Urabe H, et al. **Int J Dermatol** 1986 May; 25(4):255–7

Sporothrix schenckii tenosynovitis: a case report. Hay EL, et al. **J Hand Surg [Am]** 1986 May;11(3):431–4

A case of sporotrichosis with numerous fungal elements phagocytized by polymorphonuclear leukocytes. Hiruma M, et al. **Mykosen** 1986 Feb;29(2):59–63

PHYSIOPATHOLOGY

Spontaneous remission of extensive pulmonary sporotrichosis. Pueringer RJ, et al. **Ann Intern Med** 1986 Mar;104(3):366–7

RADIOGRAPHY

Primary pulmonary sporotrichosis occurring in two meat

packers. Dewan N, et al. Nebr Med J 1986 Feb;71(2):37–9

TRANSMISSION

Feline sporotrichosis: a report of five cases with transmission to humans. Dunstan RW, et al. J Am Acad Dermatol 1986 Jul;15(1):37–45

SPOROTRICHUM

DRUG EFFECTS

A diffusion chamber technique for testing of antifungal drugs against Sporothrix schenckii in vivo. Schaude M, et al. J Med Vet Mycol 1986 Aug;24(4):297–304

IMMUNOLOGY

Activation of the alternative complement pathway by Sporothrix schenckii. Scott EN, et al. Infect Immun 1986 Jan;51(1):6–9

Galactose-reacting agglutinins to Sporothrix schenckii. Kobayashi H, et al. J Dermatol (Tokyo) 1985 Oct; 12(5):421–4

[Transfer of delayed-type hypersensitivity to Candida albicans or Sporothrix schenkii and protection against experimental candidiasis with murine transfer factor] Kondoh Y, et al. Nippon Saikingaku Zasshi 1985 Sep; 40(5):835–42 (Eng. Abstr.) (Jpn)

METABOLISM

[Sporothrix nivea n. sp.—a methanol- and hydrocarbon-metabolizing fungus] Kreisel H, et al. J Basic Microbiol 1985;25(10):653–61 (Eng. Abstr.) (Ger)

PHYSIOLOGY

Ultrastructural study of the interaction of the fungi Sporothrix schenckii and Ceratocystis stenoceras with bone-marrow-derived murine macrophages. Ryter A, et al. Ann Inst Pasteur Microbiol 1985 Jul-Aug;136B(1):9–27

SPOROZOA

CLASSIFICATION

Haemogregarina arabica sp. nov. (Eucoccidiida:Sporozoea) parasitizing Rana ridibunda and Bufo dhufarensis in Saudi Arabia. Ramadan NF, et al. J Egypt Soc Parasitol 1986 Jun;16(1):25–36

Besnoitia strain differentiation using isoenzyme electrophoresis. Le Blancq SM, et al. J Parasitol 1986 Jun; 72(3):475–6

[Taxonomic problems of Microsporidia] Bartkowski J. Wiad Parazytol 1985;31(4–6):489–92 (Pol)

[New opinions on the classification of Apicomplexa] Kazubski SL. Wiad Parazytol 1985;31(2):85–8 (Eng. Abstr.) (Pol)

CYTOLOGY

Identification of Toxoplasma gondii and Encephalitozoon cuniculi by immunoperoxidase techniques and electron microscopy, in stored, formalin-fixed, paraffin-embedded tissue. Bjerkås I, et al. Acta Vet Scand 1986;27(1):11–22

GENETICS

Eukaryotic ribosomes that lack a 5.8S RNA. Vossbrinck CR, et al. Nature 1986 Mar 20–26;320(6059):287–8

GROWTH & DEVELOPMENT

The maintenance and survival of Theileria annulata in colonies of Hyalomma anatolicum anatolicum. Walker AR, et al. Ann Trop Med Parasitol 1985 Apr;79(2):199–209

Quantitative studies on Theileria parva in the salivary glands of Rhipicephalus appendiculatus adults: quantitation and prediction of infection. Büscher G, et al. Int J Parasitol 1986 Feb;16(1):93–100

Quantitative studies on Theileria parva in the salivary glands of Rhipicephalus appendiculatus adults: search for conditions for high infections. Büscher G, et al. Int J Parasitol 1986 Apr;16(2):121–9

Intraerythrocytic multiplication of Theileria parva in vitro: an ultrastructural study. Conrad PA, et al. Int J Parasitol 1986 Jun;16(3):223–9

Comparison of hemolymph proteins from resistant and susceptible oysters, Crassostrea virginica, exposed to the parasite Haplosporidium nelsoni (MSX). Ford SE. J Invertebr Pathol 1986 May;47(3):283–94

Development of erythrocytic merozoites to gametocytes in chickens recovered from sporozoite infection with Leucocytozoon caulleryi. Isobe T, et al. J Parasitol 1986 Feb;72(1):190–2

Pre-erythrocytic development and associated host responses to Haemoproteus meleagridis (Haemosporina: Haemoproteidae) in experimentally infected domestic turkeys. Atkinson CT, et al. J Protozool 1986 Aug; 33(3):375–81

Comparative autoradiographic study of parasite-host-cell cyclical relationship in lymphoblastoid cell lines infected with Theileria annulata and Theileria parva in vitro. Jura WG, et al. Vet Parasitol 1985 Dec;18(4):339–48

IMMUNOLOGY

The use of tissue culture attenuated live vaccine for Theileria hirci. Hooshmand-Rad P. Dev Biol Stand 1985;62:119–27

New approaches to immunization of cattle against Theileria parva. Morrison WI, et al. Dev Biol Stand 1985;62:113–8 (21 ref.)

Comparative analysis of infection and transformation of lymphocytes from African buffalo and Boran cattle with Theileria parva subsp. parva and T. parva subsp. lawrencei. Baldwin CL, et al. Infect Immun 1986 Jul;53(1):186–91

De novo expression of T cell markers on Theileria parva-transformed lymphoblasts in cattle. Naessens J, et al. J Immunol 1985 Dec;135(6):4183–8

Production in ascites fluid of biosynthetically labelled monoclonal antibody to Theileria parva sporozoites. Dobbelaere DA, et al. J Immunol Methods 1985 Oct 10; 82(2):209–14

Preparation of monoclonal antibodies against Theileria sergenti. Kajikawa O, et al. Nippon Juigaku Zasshi 1985 Oct;47(5):683–90

A rise and fall of humoral antibody in calves experimentally infected with Babesia ovata or Theileria sergenti. Sato M, et al. Nippon Juigaku Zasshi 1986 Jun;48(3):599–602

Enhancement of antibody production against sheep erythrocytes using Theileria sergenti lysate antigen in different strains of inbred mice. Shimizu S, et al. Nippon Juigaku Zasshi 1986 Jun;48(3):591–4

The prevalence of encephalitozoonosis in Danish farmed foxes. Henriksen P. Nord Vet Med 1986 May-Jun; 38(3):167–72

The immune response in a dog to Encephalitozoon cuniculi infection. Stewart CG, et al. Onderstepoort J Vet Res 1986 Mar;53(1):35–7

Specific lysis of Theileria annulata-infected lymphoblastoid cells by a monoclonal antibody recognizing an infection-associated antigen. Preston PM, et al. Parasite Immunol 1986 Jul;8(4):369–80

Identification of infection-associated antigens in Theileria annulata transformed cells. Shiels BR, et al. Parasite Immunol 1986 Jan;8(1):69–77

Antigenic diversity of Theileria annulata macroschizonts. Shiels B, et al. Vet Parasitol 1986 May;21(1):1–10

Stage-specific antigenicity in Theileria annulata: a case report. Uilenberg G, et al. Vet Q 1986 Jan;8(1):73–5

ISOLATION & PURIFICATION

The presence of Theileria sergenti in Haemaphysalis longicornis overwintering in pasture in Japan. Fujisaki K, et al. Ann Trop Med Parasitol 1985 Oct;79(5):519–24

Klossiella (Apicomplexa, Klossiellidae) in petaurid and macropodid marsupials in Australia. Barker IK, et al. J Protozool 1985 Aug;32(3):520–2

Theileria taurotragi in Zambia. Jongejan F, et al. Vet Q 1986 Jul;8(3):261–3

PATHOGENICITY

Chemotherapy of East Coast fever: the long term weight changes, carrier state and disease manifestations of parvaquone treated cattle. Dolan TT. J Comp Pathol 1986 Mar;96(2):137–46

The infectivity of Encephalitozoon cuniculi in vivo and in vitro. Cox JC, et al. Z Parasitenkd 1986;72(1):65–72

[Experimental study of the routes of transmission of Microsporidia in blood-sucking mosquitoes from southwestern Siberia] Pankova TF. Parazitologiia 1985 Jul-Aug;19(4):296–300 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Transmission of Leucocytozoon smithi (Sporozoa: Leucocytozoidae) by black flies (Diptera: Simuliidae) in New York, USA. Kiszewski AE, et al. J Med Entomol 1986 May 30;23(3):256–62

Observations on the Taiwanese strain of Leucocytozoon caulleryi (Haemosporina) in chickens. Morii T, et al. J Protozool 1986 May;33(2):231–4

ULTRASTRUCTURE

Passive endocytosis of sporozoites of Theileria parva in macrophages at 1-2 degrees C. Fawcett DW, et al. J Submicrosc Cytol 1986 Jan;18(1):11–9

SPORTS

see related
ATHLETIC INJURIES
DOPING IN SPORTS

Bicycle accidents. Lind MG, et al. Acta Chir Scand [Suppl] 1986;531:1–47

Physical activity and sports involvement in 8- and 13-year-old children in Sweden. Sunnegårdh J, et al. Acta Paediatr Scand 1985 Nov;74(6):904–12

Rating maturity in adolescent athletes. Daniel WA Jr. Ala Med 1985 Sep;55(3):24–6, 31

Heat illness in the athlete: sriasis is serious. Herrick RT. Ala Med 1986 Apr;55(10):28, 33–7

Softball injuries: cost, cause and prevention. Janda DH, et al. Am Fam Physician 1986 Jun;33(6):143–4

Changes in the self concept and athletic performance of weight lifters through a cognitive-hypnotic approach: an empirical study. Howard WL, et al. Am J Clin Hypn 1986 Apr;28(4):248–57

Hypnosis versus autogenic training: a comparison. Krenz EW. Am J Clin Hypn 1986 Apr;28(4):209–13

Preparticipation examination of athletes [letter] Beasley JW. Am J Dis Child 1986 Jan;140(1):7–8

Participation of athletes with one testicle [letter] Ushkow MC. Am J Dis Child 1986 Feb;140(2):89–90

Health hazards associated with windsurfing on polluted water. Dewailly E, et al. Am J Public Health 1986 Jun; 76(6):690–1

Bicycle helmet use by children: knowledge and behavior of physicians. Weiss BD, et al. Am J Public Health 1986 Aug; 76(8):1022–3

The tennis stroke: an EMG analysis of selected muscles with rackets of increasing grip size. Adelsberg S. Am J Sports Med 1986 Mar-Apr;14(2):139–42

Sports anemia: a review of the literature. Carlson DL, et al. Am J Sports Med 1986 Mar-Apr;14(2):109–12 (43 ref.)

Athletic injuries: comparison by age, sport, and gender. DeHaven KE, et al. Am J Sports Med 1986 May-Jun; 14(3):218–24

Tibiofemoral joint forces during ergometer cycling. Ericson MO, et al. Am J Sports Med 1986 Jul-Aug;14(4):285–90

A mechanical and electromyographical analysis of the effects of various joint counterforce braces on the tennis player. Groppel JL, et al. Am J Sports Med 1986 May-Jun; 14(3):195–200

Outdoor and indoor soccer: injuries among youth players. Hoff GL, et al. Am J Sports Med 1986 May-Jun; 14(3):231–3

Prepatellar bursitis in wrestlers. Myanyk MC, et al. Am J Sports Med 1986 Jan-Feb;14(1):46–54

Anterior tibial compartment pressure during race walking. Sanzén L, et al. Am J Sports Med 1986 Mar-Apr; 14(2):136–8

Digital ischemia in baseball players. Sugawara M, et al. Am J Sports Med 1986 Jul-Aug;14(4):329–34

Patterns of knee injuries in wrestling: a six year study. Wroble RR, et al. Am J Sports Med 1986 Jan-Feb;14(1):55–66

Identification of exercise-induced asthma among intercollegiate athletes. Rice SG, et al. Ann Allergy 1985 Dec;55(6):790–3

Post-traumatic osteolysis of the clavicle: a case report. Griffiths CJ, et al. Arch Emerg Med 1986 Jun;3(2):129–32

The effect of opening an ice-rink on the accident and emergency department of a district general hospital. Prescott MV. Arch Emerg Med 1986 Jun;3(2):107–10

BMX bicycles: accident comparison with other models. Worrell J. Arch Emerg Med 1985 Dec;2(4):209–13

Health maintenance: paraplegic athletes and nonathletes. Stotts KM. Arch Phys Med Rehabil 1986 Feb;67(2):109–14

Baseball adaptation for below-elbow prosthesis. Truong XT, et al. Arch Phys Med Rehabil 1986 Jun;67(6):418

Arthroscopy of the shoulder in the management of partial tears of the rotator cuff: a preliminary report. Andrews JR, et al. Arthroscopy 1985;1(2):117–22

After the final siren. Australian Rules football injuries presenting to a casualty department. Findlay D. Aust Fam Physician 1986 Mar;15(3):267–74

Injury profile of pedal and motor cyclist casualties in Victoria. McDermott FT, et al. Aust NZ J Surg 1985 Oct; 55(5):477–83

Neurotrauma on two wheels [editorial] McLean AJ. Aust NZ J Surg 1985 Oct;55(5):425–6

Sudden death and vigorous exercise—a study of 60 deaths associated with squash. Northcote RJ, et al. Br Heart J 1986 Feb;55(2):198–203

Lower prevalence of breast cancer and cancers of the reproductive system among former college athletes compared to non-athletes. Frisch RE, et al. Br J Cancer 1985 Dec;52(6):885–91

The relationship of maximal alactacid anaerobic power to somatotype in trained subjects. Ergen E, et al. Br J Sports Med 1985 Dec;19(4):221–3

Pulmonary capacities of different groups of sportsmen in India. Ghosh AK, et al. Br J Sports Med 1985 Dec; 19(4):232–4

Bilateral fracture-separations of the distal radial epiphyses during weight-lifting. Jenkins NH, et al. Br J Sports Med 1986 Jun;20(2):72–3

The epidemiology of ice hockey injuries. Jørgensen U, et al. Br J Sports Med 1986 Mar;20(1):7–9

Lactic acid removal and heart rate frequencies during recovery after strenuous rowing exercise. Koutedakis Y, et al. Br J Sports Med 1985 Dec;19(4):199–202

Marathon volleyball: changes after 61 hours play. Lund PM. Br J Sports Med 1985 Dec;19(4):228–9

Somatotypes of Nigerian athletes of several sports. Mathur DN, et al. Br J Sports Med 1985 Dec;19(4):219–20

Iliopsoas injury in soccer players. Mozes M, et al. Br J Sports Med 1985 Sep;19(3):168–70

Sweat collection from athletes. Pilardeau PA, et al. Br J Sports Med 1985 Dec;19(4):197–8

Pneumothorax due to soccer injury [letter] Sadat-Ali M, et al. Br J Sports Med 1986 Jun;20(2):91

Soccer injuries of youth. Schmidt-Olsen S, et al. Br J Sports Med 1985 Sep;19(3):161–4

Serious eye injury, resulting in blindness and enucleation of the damaged eye [letter] Selcon H. Br J Sports Med 1986 Mar;20(1):44

Spinal configuration during lifting. Nordin M, et al. Bull Hosp Jt Dis Orthop Inst 1986 Spring;46(1):31–6

Proceedings of the CASS/ACSS annual meeting. October 23–26, 1985, Quebec. **Can J Appl Sport Sci** 1985 Dec; 10(4):1P–37P

Squash ball mechanics and implications for play. Chapman AE, et al. **Can J Appl Sport Sci** 1986 Mar;11(1):47–54

More on red blood cell genetic variation in Olympic athletes. Couture L, et al. **Can J Appl Sport Sci** 1986 Mar;11(1):16–8

Personality status of wrestlers of varying abilities as measured by a sport specific version of a personality inventory. Dwyer JJ, et al. **Can J Appl Sport Sci** 1986 Mar;11(1):19–30

Physical and physiological characteristics of elite women volleyball players. Fleck SJ, et al. **Can J Appl Sport Sci** 1985 Sep;10(3):122–6

The real time analysis of sport: an overview. Franks IM, et al. **Can J Appl Sport Sci** 1986 Mar;11(1):55–7

Measuring the organizational effectiveness of National Sport Governing Bodies. Frisby W. **Can J Appl Sport Sci** 1986 Jun;11(2):94–9

The effects of internal and external imagery on performing figures in figure skating. Mumford B, et al. **Can J Appl Sport Sci** 1985 Dec;10(4):171–7

Cognitive and motivational functions of imagery in human performance. Paivio A. **Can J Appl Sport Sci** 1985 Dec; 10(4):22S–28S

Physiological profiles of the Canadian Olympic Soccer Team. Rhodes EC, et al. **Can J Appl Sport Sci** 1986 Mar;11(1):31–6

Athletes' assessment of the coach—the coach evaluation questionnaire. Rushall BS, et al. **Can J Appl Sport Sci** 1985 Sep;10(3):157–61

A physiological profile of elite Canadian freestyle wrestlers. Sharratt MT, et al. **Can J Appl Sport Sci** 1986 Jun; 11(2):100–5

Application of active recovery techniques for a simulated ice hockey task. Watson RC, et al. **Can J Appl Sport Sci** 1986 Jun;11(2):82–7

Absence of left ventricular hypertrophy in elite college basketball players. Wolfe LA, et al. **Can J Appl Sport Sci** 1985 Sep;10(3):116–21

Life beyond 20/200 [editorial] Douglas GR. **Can J Ophthalmol** 1986 Apr;21(3):77–8

Contribution of postexercise increment in glucose storage to variations in glucose-induced thermogenesis in endurance athletes. Tremblay A, et al. **Can J Physiol Pharmacol** 1985 Sep;63(9):1165–9

Smoking behavior and participation in organized exercise. Stones MJ, et al. **Can J Public Health** 1986 Mar–Apr; 77(2):153–4

Triathlons and medicine: the race to catch up. Cohen L. **Can Med Assoc J** 1986 Apr 15;134(8):938–41

Symposium squashes exercise myths. Harrison P. **Can Med Assoc J** 1985 Nov 1;133(9):902–6

Prevalence of bronchial hyperresponsiveness in highly trained athletes. Weiler JM, et al. **Chest** 1986 Jul;90(1):23–8

"My therapist weighs 900 lbs "Gentry L. **Child Today** 1986 Jan–Feb;15(1):30–3

Bicycles, roller skates and skateboards: safety promotion and accident prevention. Wishon PM, et al. **Child Today** 1986 May–Jun;15(3):11–5

Athletic amenorrhea. Shangold MM. **Clin Obstet Gynecol** 1985 Sep;28(3):664–9

Symposium on profiling. **Clin Sports Med** 1984 Jan;3(1):1–294

The art of cognitive self-regulation. Gauron EF. **Clin Sports Med** 1986 Jan;5(1):91–101

Profiling children for sports participation. Goldberg B, et al. **Clin Sports Med** 1984 Jan;3(1):153–69 (94 ref.)

Musculoskeletal performance testing and profiling of elite competitive fencers. Sapega AA, et al. **Clin Sports Med** 1984 Jan;3(1):231–44

Wrestling profile. Sharratt MT. **Clin Sports Med** 1984 Jan; 3(1):273–89

Neck and low back injuries in wrestling. Wroble RR, et al. **Clin Sports Med** 1986 Apr;5(2):295–325

Profiling the hypertensive patient in sports. Zabetakis PM. **Clin Sports Med** 1984 Jan;3(1):137–52 (59 ref.)

Medical care of high school athletes in Connecticut. Cartland JE Jr. **Conn Med** 1985 Oct;49(10):645–6

An allergen in a judo club? Foussereau J. **Contact Dermatitis** 1985 Oct;13(4):283

Echocardiographic evaluation of the dimensions and systolic properties of the left ventricle in freshman athletes during physical training. Lusiani L, et al. **Eur Heart J** 1986 Mar; 7(3):196–203

The distribution of left ventricular hypertrophy in hypertrophic cardiomyopathy: comparison to athletes and hypertensives. Shapiro LM, et al. **Eur Heart J** 1985 Nov; 6(11):967–74

The increase of perceived exertion, aches and pain in the legs, heart rate and blood lactate during exercise on a bicycle ergometer. Borg G, et al. **Eur J Appl Physiol** 1985; 54(4):343–9

Metabolic enzyme activity patterns in muscle biopsy samples in different athletes. Boros-Hatfaludy S, et al. **Eur J Appl Physiol** 1986;55(3):334–8

Plasma volume change during heavy-resistance weight lifting. Collins MA, et al. **Eur J Appl Physiol** 1986; 55(1):44–8

Effect of coupling the breathing- and cycling rhythms on oxygen uptake during bicycle ergometry. Garlando F, et al. **Eur J Appl Physiol** 1985;54(5):497–501

Fitness changes of Naval women following aerobic based programs featuring calisthenic or circuit weight training exercises. Marcinik EJ, et al. **Eur J Appl Physiol** 1985; 54(3):244–9

The role of learning and coordination in strength training. Rutherford OM, et al. **Eur J Appl Physiol** 1986;55(1):100–5

Biomechanical consequences of sport shoe design. Frederick EC. **Exerc Sport Sci Rev** 1986;14:375–400 (124 ref.)

Pediatric and adolescent sports injuries: recent trends. Micheli LJ. **Exerc Sport Sci Rev** 1986;14:359–74 (46 ref.)

Somatotypes of South Australian male athletes. Withers RT, et al. **Hum Biol** 198? Jun;58(3):337–56

Effect of geomagnetic disturbances on the state of cardiovascular function in athletes. Ryzhikov GV, et al. **Hum Physiol** 1984 Jul–Aug;10(4):288–93

Myocardial infarction and subtotal obstruction of the anterior descending coronary artery caused by trauma in a football player. García Gallego F, et al. **Int J Cardiol** 1986 Jul; 12(1):109–12

Maxillofacial fractures sustained in bicycle accidents. Lindqvist C, et al. **Int J Oral Maxillofac Surg** 1986 Feb; 15(1):12–8

Southwest Chapter, American College of Sports Medicine. Las Vegas, Nevada, November, 1985. Abstracts. **Int J Sports Med** 1986 Jun;7(3):177–84

Current topics in sports medicine. International Symposium of the German Federation of Sports Medicine on the occasion of the 60th birthday of Prof. Wildor Hollmann, M.D., D.h.c. Cologne, February 2, 1985. **Int J Sports Med** 1986 Jun;7 Suppl 1:1–70

Southwest Chapter—American College of Sports Medicine. Las Vegas, Nevada, November, 1984. Abstracts. **Int J Sports Med** 1985 Aug;6(4):237–43

Importance in training physiology and clinical importance of anaerobic capacity. International congress. St. Johann, Tyrolia, 19–21 September 1985. Abstracts. **Int J Sports Med** 1985 Aug;6(4):244–53

Assessment of ventilatory performance of athletes using the maximal expiratory flow–volume curve. Bertholon JF, et al. **Int J Sports Med** 1986 Apr;7(2):80–5

Reduction of lung elasticity due to training and expiratory flow limitation during exercise in competitive female rowers. Biersteker MW, et al. **Int J Sports Med** 1986 Apr; 7(2):73–9

Comparative echocardiographic study of junior and senior basketball players. Csanády M, et al. **Int J Sports Med** 1986 Jun;7(3):128–32

The energy cost of human locomotion on land and in water. di Prampero PE. **Int J Sports Med** 1986 Apr;7(2):55–72 (77 ref.)

Hormone and metabolite response to weight-lifting training sessions. Guezennec Y, et al. **Int J Sports Med** 1986 Apr; 7(2):100–5

Electromyographic and force production characteristics of leg extensor muscles of elite weight lifters during isometric, concentric, and various stretch-shortening cycle exercises. Häkkinen K, et al. **Int J Sports Med** 1986 Jun;7(3):144–51

Enlarged left atrial dimension in former endurance athletes: an echocardiographic study. Höglund C. **Int J Sports Med** 1986 Jun;7(3):133–6

Psychoendocrine responses to bicycle exercise in healthy men in good physical condition. Hyyppä MT, et al. **Int J Sports Med** 1986 Apr;7(2):89–93

Role of sports in etiology and prognosis of surgically treated acute knee ligament injuries. Kannus P, et al. **Int J Sports Med** 1986 Feb;7(1):39–43

Free plasma catecholamines, heart rates, lactate levels, and oxygen uptake in competition weight lifters, cyclists, and untrained control subjects. Lehmann M, et al. **Int J Sports Med** 1986 Feb;7(1):18–21

Physiologic changes in rowing performance associated with training in collegiate women rowers. Mahler DA, et al. **Int J Sports Med** 1985 Aug;6(4):229–33

Isokinetic torque levels for knee extensors and knee flexors in soccer players. Oberg B, et al. **Int J Sports Med** 1986 Feb;7(1):50–3

Blood flow in the extremities of athletes. Ozolin P. **Int J Sports Med** 1986 Jun;7(3):117–22 (57 ref.)

Somatotype characteristics of male sprinters, basketball, soccer, and field hockey players. Toriola AL, et al. **Int J Sports Med** 1985 Dec;6(6):344–6

Physiologic and biochemical changes during a triathlon competition. van Rensburg JP, et al. **Int J Sports Med** 1986 Feb;7(1):30–5

Renal responses to bicycle exercise in trained athletes: influence of exercise intensity. Virvidakis C, et al. **Int J Sports Med** 1986 Apr;7(2):86–8

Enlargement of the right heart in the endurance athlete: a two-dimensional echocardiographic study. Vos M, et al. **Int J Sports Med** 1985 Oct;6(5):271–5

Effect of boxing on some metabolic indices of muscular contraction. Zuliani U, et al. **Int J Sports Med** 1985 Aug; 6(4):234–6

Parental interference. Alberts ME. **Iowa Med** 1986 Jul; 76(7):324

Using the minimal weight prediction equations for scholastic wrestlers. Oppliger RA. **Iowa Med** 1986 Feb;76(2):66–7

Weight prediction equation tested and available. Oppliger RA, et al. **Iowa Med** 1985 Oct;75(10):449–53

Task force II: Acquired valvular heart disease. Cheitlin MD, et al. **J Am Coll Cardiol** 1985 Dec;6(6):1209–14

Tachyarrhythmias in young athletes. Coelho A, et al. **J Am Coll Cardiol** 1986 Jan;7(1):237–43

Task force V: Ischemic heart disease. Epstein SE, et al. **J Am Coll Cardiol** 1985 Dec;6(6):1222–4

Sudden death and the competitive athlete: perspectives on preparticipation screening studies. Epstein SE, et al. **J Am Coll Cardiol** 1986 Jan;7(1):220–30 (46 ref.)

Task force IV: Systemic arterial hypertension. Frohlich ED, et al. **J Am Coll Cardiol** 1985 Dec;6(6):1218–21

Mitral valve prolapse: definition and implications in athletes. Jeresaty RM. **J Am Coll Cardiol** 1986 Jan;7(1):231–6 (46 ref.)

Task force I: Congenital heart disease. McNamara DG, et al. **J Am Coll Cardiol** 1985 Dec;6(6):1200–8

Task force III: Hypertrophic cardiomyopathy, other myopericardial diseases and mitral valve prolapse. Maron BJ, et al. **J Am Coll Cardiol** 1985 Dec;6(6):1215–7

Structural features of the athlete heart as defined by echocardiography. Maron BJ. **J Am Coll Cardiol** 1986 Jan; 7(1):190–203 (92 ref.)

Causes of sudden death in competitive athletes. Maron BJ, et al. **J Am Coll Cardiol** 1986 Jan;7(1):204–14 (72 ref.)

Legal consequences of standard setting for competitive athletes with cardiovascular abnormalities. Weistart JC. **J Am Coll Cardiol** 1985 Dec;6(6):1191–7

Task force VI: Arrhythmias. Zipes DP, et al. **J Am Coll Cardiol** 1985 Dec;6(6):1225–32

The importance of monitoring carbon monoxide levels in indoor ice skating rinks. Sorensen AJ. **J Am Coll Health** 1986 Feb;34(4):185–6

Dietary intakes of female basketball and gymnastics athletes. Hickson JF Jr, et al. **J Am Diet Assoc** 1986 Feb;86(2):251–3

Rhabdomyolysis of the upper extremities associated with weight lifting: report of a case. Bartlett JC, et al. **J Am Osteopath Assoc** 1985 Oct;85(10):646–8

Special athletic shoes [letter] Conrad NL. **J Am Podiatr Med Assoc** 1986 Aug;76(8):479

Soccer injuries. Types, locations, etiologies, and preventive measures. Gazivoda P, et al. **J Am Podiatr Med Assoc** 1986 Feb;76(2):109–11

The effect of foot orthoses on oxygen consumption while cycling. Hice GA, et al. **J Am Podiatr Med Assoc** 1985 Oct;75(10):513–6

Plasma lactate and ventilation thresholds in trained and untrained cyclists. Simon J, et al. **J Appl Physiol** 1986 Mar; 60(3):777–81

Enhanced maximal metabolic vasodilatation in the dominant forearms of tennis players. Sinoway LI, et al. **J Appl Physiol** 1986 Aug;61(2):673–8

Strength training by resistive exercises. Nix RA. **J Arkansas Med Soc** 1985 Oct;82(5):224–7 (6 ref.)

A method for biomechanical analysis of bicycle pedalling. Hull ML, et al. **J Biomech** 1985;18(9):631–44

On the relation between joint moments and pedalling rates at constant power in bicycling. Redfield R, et al. **J Biomech** 1986;19(4):317–29

Prediction of pedal forces in bicycling using optimization methods. Redfield R, et al. **J Biomech** 1986;19(7):523–40

The trend of the male–female differential in various speed sports 1936–84. Dyer KF. **J Biosoc Sci** 1986 Apr; 18(2):169–77

Acute dislocation of the patella: the Mudville mystery. Report of five cases. Gross RM. **J Bone Joint Surg [Am]** 1986 Jun;68(5):780–1

Surgical treatment of tears of the rotator cuff in athletes. Tibone JE, et al. **J Bone Joint Surg [Am]** 1986 Jul; 68(6):887–91

Fracture of humerus from muscular violence: case report. Sprenger TR. **J Fla Med Assoc** 1985 Feb;72(2):101–3

Manufacturing processes for athletic shoe outsoles and their significance in the examination of footwear impression evidence. Bodziak WJ. **J Forensic Sci** 1986 Jan;31(1):153–76

Moral growth among athletes and nonathletes: a comparative analysis. Bredemeier BJ, et al. **J Genet Psychol** 1986 Mar; 147(1):7–18

Stress fracture of the ulnar diaphysis: review of the literature and report of a case. Patel MR, et al. **J Hand Surg [Am]** 1986 May;11(3):443–5

Dislocation of the index metacarpal and trapezoid bones. Dunkerton M, et al. **J Hand Surg [Br]** 1985 Oct;10(3):377–8

Spontaneous rupture of the extensor pollicis longus tendon after anabolic steroids. Kramhøft M, et al. **J Hand Surg [Br]** 1986 Feb;11(1):87

Variability of pedalling force—inversely related to force magnitude within the movement cycle but positively correlated to that magnitude as it increases with increased power output. Brooke JD, et al. **J Hum Ergol (Tokyo)** 1984 Dec;13(2):121–8

Anorexia nervosa, athletics, and amenorrhea. Litt IF, et al. **J Pediatr** 1986 Jul;109(1):150–3

Strength training for children. Sewall L, et al. **J Pediatr Orthop** 1986 Mar–Apr;6(2):143–6

Bicycle handlebar injuries in children. Sparnon AL, et al. **J Pediatr Surg** 1986 Feb;21(2):118–9

Sport and health. Orton WT. **J R Soc Health** 1986 Apr; 106(2):56–9

Physical fitness. Sports and recreation for those with lower limb amputation or impairment. Kegel B. **J Rehabil Res Dev [Clin Suppl]** 1985;(1):1–125

A cost–benefit analysis of preparticipation sports examinations of adolescent athletes. Risser WL, et al. **J Sch Health** 1985 Sep;55(7):270–3

Radionuclide assessment of left ventricular function at rest and during exercise in rugby players. Astorri E, et al. **J Sports Med Phys Fitness** 1986 Mar;26(1):29–33

The incidence of morbus Scheuermann in sportsmen. Blazek

O, et al. **J Sports Med Phys Fitness** 1986 Mar;26(1):55–9
Strength comparisons in untrained men and trained women body builders. Bond V Jr, et al.
J Sports Med Phys Fitness 1985 Sep;25(3):131–4
Effect of plyometric training on vertical jump performance in high school basketball players. Brown ME, et al.
J Sports Med Phys Fitness 1986 Mar;26(1):1–4
Researches concerning the effects of Refit on elite weightlifters. Dragan GI, et al.
J Sports Med Phys Fitness 1985 Dec;25(4):246–50
Blood rheology in athletes. Ernst E, et al.
J Sports Med Phys Fitness 1985 Dec;25(4):207–10
Physiological performance, serum hormones, enzymes and lipids of an elite power athlete during training with and without androgens and during prolonged detraining. A case study. Häkkinen K, et al. **J Sports Med Phys Fitness** 1986 Mar;26(1):92–100
The effects of rapid weight loss and rehydratation on a wrestling performance test. Klinzing JE, et al.
J Sports Med Phys Fitness 1986 Jun;26(2):149–56
The anaerobic threshold of elite and novice cyclists. Lopategui E, et al. **J Sports Med Phys Fitness** 1986 Jun; 26(2):123–7
Serum and urinary steroids in women athletes. Lukaszewska JH, et al. **J Sports Med Phys Fitness** 1985 Dec;25(4):215–21
Accuracy of anthropometric equations for estimating body composition in female athletes. Mayhew JL, et al.
J Sports Med Phys Fitness 1985 Sep;25(3):120–6
A rare case of paroxysmal tachycardia during load testing a top-ranking athlete. Medved R, et al.
J Sports Med Phys Fitness 1985 Dec;25(4):211–4
An evaluation of the PO2 aerobic exerciser as an ergogenic aid in training competitive cyclists. Paul JS, et al.
J Sports Med Phys Fitness 1985 Sep;25(3):104–10
Personality characteristics of sprinters, basketball, soccer and field hockey players. Salokun SO, et al.
J Sports Med Phys Fitness 1985 Dec;25(4):222–6
Metabolic response to kendo. Schmidt RJ, et al.
J Sports Med Phys Fitness 1985 Dec;25(4):202–6
Electromyographic analysis of some muscles in cycling athletes. Valentino B, et al. **J Sports Med Phys Fitness** 1986 Jun;26(2):146–8
Communications to the "sport and science" conference. 19–21 September 1985, Chichester, West Sussex. Abstracts.
J Sports Sci 1985 Autumn;3(3):207–49
Mental preparation, mental practice and strength tasks: a need for clarification. Biddle SJ. **J Sports Sci** 1985 Spring; 3(1):67–74
The child and exercise: an overview. Borms J.
J Sports Sci 1986 Spring;4(1):3–20 (132 ref.)
The effect of video-modelling and video-feedback on the learning of the tennis service by novices. Emmen HH, et al. **J Sports Sci** 1985 Summer;3(2):127–38
A systematic approach to analysing sports performance. Franks IM, et al. **J Sports Sci** 1986 Spring;4(1):49–59
Cognitive behavioural strategies and anxiety in elite orienteers. Gal-Or Y, et al. **J Sports Sci** 1986 Spring; 4(1):39–48
Visually and acoustically augmented performance feedback as an aid in motor control learning: a study of selected components of the rowing action. Gauthier GM.
J Sports Sci 1985 Spring;3(1):3–25
The experience of arousal: a new basis for studying arousal effects in sport. Kerr JH. **J Sports Sci** 1985 Autumn; 3(3):169–79
Determination of the peak power output during maximal brief pedalling bouts. Nakamura Y, et al. **J Sports Sci** 1985 Autumn;3(3):181–7
Analysis of visual scanning patterns of pistol shooters. Ripoll H, et al. **J Sports Sci** 1985 Summer;3(2):93–101
Isolated dislocation of the proximal tibiofibular joint. Thomason PA, et al. **J Trauma** 1986 Feb;26(2):192–5
Weight loss in amateur wrestlers and its effect on serum testosterone levels. Strauss RH, et al. **JAMA** 1985 Dec 20;254(23):3337–8
Jet-ski rhabdomyolysis [letter] Ziskind A, et al. **JAMA** 1986 Apr 11;255(14):1879–80
Does watching football influence perfusion in the ischaemic foot? [letter] Jelnes R. **Lancet** 1986 Jun 28;1(8496):1507–8
Scrum kidney: epidemic pyoderma caused by a nephritogenic Streptococcus pyogenes in a rugby team. Ludlam H, et al. **Lancet** 1986 Aug 9;2(8502):331–3
Child cyclist injuries: a prospective study. Armson CJ, et al. **Med J Aust** 1986 Feb 3;144(3):144–6
Bicycle accidents [editorial] Cohen D. **Med J Aust** 1986 Feb 3;144(3):114–5
Squash rackets: a review—deadly or safe? Locke AS.
Med J Aust 1985 Dec 9–23;143(12–13):565–7
1986 American College of Sports Medicine. Annual meeting abstracts. May 28–31, Indianapolis, Indiana.
Med Sci Sports Exerc 1986 Apr;18(2 Suppl):S1–98
High rate of osteoarthritis of the knee in former soccer players [letter] Anderson CL. **Med Sci Sports Exerc** 1986 Feb;18(1):141
Physiological training effects of playing youth soccer. Berg KE, et al. **Med Sci Sports Exerc** 1985 Dec;17(6):656–60
Kinematics and kinetics of the dead lift in adolescent power lifters. Brown EW, et al. **Med Sci Sports Exerc** 1985 Oct; 17(5):554–66
Lumbar spine loading during half-squat exercises. Cappozzo A, et al. **Med Sci Sports Exerc** 1985 Oct;17(5):613–20
Left ventricular hypertrophy in athletes: an exercise-echocardiographic study. Cohen JL, et al.
Med Sci Sports Exerc 1985 Dec;17(6):695–700
Triathlete characterization and response to prolonged strenuous competition. Holly RG, et al.
Med Sci Sports Exerc 1986 Feb;18(1):123–7
Quadriceps strengthening with the DAPRE technique: case studies with neurological implications. Knight KL.
Med Sci Sports Exerc 1985 Dec;17(6):646–50
Biomechanics of the squat exercise using a modified center of mass bar. Lander JE, et al. **Med Sci Sports Exerc** 1986 Aug;18(4):469–78
Effects of selected softball bat loading strategies on impact reaction impulse. Noble L, et al. **Med Sci Sports Exerc** 1986 Feb;18(1):50–9
Implications of air pollution effects on athletic performance. Pierson WE, et al. **Med Sci Sports Exerc** 1986 Jun; 18(3):322–7
Left ventricular performance of the athletic heart during upright exercise: a heart rate-controlled study. Rubal BJ, et al. **Med Sci Sports Exerc** 1986 Feb;18(1):134–40
Left ventricular size and function in body builders using anabolic steroids. Salke RC, et al.
Med Sci Sports Exerc 1985 Dec;17(6):701–4
Towards optimizing rowing technique. Sanderson B, et al.
Med Sci Sports Exerc 1986 Aug;18(4):454–68
A comparison of one-legged and two-legged countermovement jumps. van Soest AJ, et al.
Med Sci Sports Exerc 1985 Dec;17(6):635–9
The U.S. Olympic Committee experience with exercise-induced bronchospasm, 1984. Voy RO.
Med Sci Sports Exerc 1986 Jun;18(3):328–30
Validation of body composition models for high school wrestlers. Williford HN, et al. **Med Sci Sports Exerc** 1986 Apr;18(2):216–24
Circadian rhythms and athletic performance. Winget CM, et al. **Med Sci Sports Exerc** 1985 Oct;17(5):498–516 (174 ref.)
Carbon monoxide exposures at an ice skating rink—Colorado. **MMWR** 1986 Jul 11;35(27):435–6, 441
Dermatophytes in sporting activities. Zaror L, et al.
Mykosen 1985 Aug;28(8):408–10
Huffy-bike hematuria [letter] Salcedo JR. **N Engl J Med** 1986 Sep 18;315(12):768
Burr-ronchitis: a hazard of dirt-bike riding [letter] Waldhorn RE, et al. **N Engl J Med** 1986 Feb 6;314(6):390
Secondary amenorrhea in the female athlete. Bitner MR.
Nebr Med J 1985 Oct;70(10):363–6
Fatal injuries to bicycle riders in Auckland. Sage MD, et al. **NZ Med J** 1985 Dec 25;98(793):1073–4
It tastes so bad it must be good for me [editorial] Spaeth GL. **Ophthalmic Surg** 1985 Nov;16(11):691,740
Weightlifting, weight training and injuries. Basford JR.
Orthopedics 1985 Aug;8(8):1051–6 (34 ref.)
The effect of athletic activity on the bone mass in human diaphyseal bone. Dalén N, et al. **Orthopedics** 1985 Sep; 8(9):1139–41
Weightlifting, weight training and injuries [letter] Frankle M. **Orthopedics** 1986 Jan;9(1):29
Physical fitness of paraplegics in full wheelchair marathon racing. Asayama K, et al. **Paraplegia** 1985 Oct;23(5):277–87
A comparison of the psychological characteristics of male and female able-bodied and wheelchair athletes. Horvat M, et al. **Paraplegia** 1986 Apr;24(2):115–22
Bicycle helmet use by children. Weiss BD. **Pediatrics** 1986 May;77(5):677–9
Perceptual information for batting can be extracted throughout a ball's trajectory. De Lucia PR, et al.
Percept Mot Skills 1985 Aug;61(1):143–50
State-trait anxiety and motocross performance. DeMoja CA, et al. **Percept Mot Skills** 1986 Feb;62(1):107–10
Differences in hemispheric functional asymmetry between athletes and nonathletes: evidence from a Unilateral Tactile Matching Task. Rossi B, et al. **Percept Mot Skills** 1986 Feb;62(1):295–300
Training for the Olympic Games with mind and body: two cases. Ungerleider S. **Percept Mot Skills** 1985 Dec;61(3 Pt 2):1291–4
Some specific features of exercise stress in athletes. Derevenco P, et al. **Physiologie** 1986 Apr–Jun;23(2):107–14
The baseball strike and plastic surgery [editorial] Goldwyn RM. **Plast Reconstr Surg** 1986 Feb;77(2):299–300
Why child cyclists should wear helmets. Clarke AJ, et al.
Practitioner 1986 Jun;230(1416):513–4
Sports medicine emergencies. Jaffe R. **Primary Care** 1986 Mar;13(1):207–15
A psychoanalysis of sports. Dervin D. **Psychoanal Rev** 1985 Summer;72(2):277–99
Endurance as opposed to power training: their effect on sleep. Trinder J, et al. **Psychophysiology** 1985 Nov;22(6):668–73
Athletic clothing. Kyle CR. **Sci Am** 1986 Mar;254(3):104–10
Migraine, head trauma and sport. Ashworth B.
Scott Med J 1985 Oct;30(4):240–2
Sociocultural correlates of childhood sporting activities: their implications for heart health. Gottlieb NH, et al.
Soc Sci Med 1985;21(5):533–9
Stress fracture of the distal radius caused by "wheelies". Eisenberg D, et al. **South Med J** 1986 Jul;79(7):918–9
A study of lumbosacral orientation under varied static loads. Anderson CK, et al. **Spine** 1986 Jun;11(5):456–62
Soccer accidents in the French Rhône-Alpes Soccer Association. Berger-Vachon C, et al. **Sports Med** 1986 Jan–Feb;3(1):69–77
Applied physiology of soccer. Ekblom B. **Sports Med** 1986 Jan–Feb;3(1):50–60
Cardiorespiratory fitness and training in quadriplegics and paraplegics. Hoffman MD. **Sports Med** 1986 Sep–Oct; 3(5):312–30 (154 ref.)
Circuit weight training. A new direction for cardiac rehabilitation. Kelemen MH, et al. **Sports Med** 1985 Nov–Dec;2(6):385–8
Physiological differences between genders. Implications for sports conditioning. Lewis DA, et al. **Sports Med** 1986 Sep–Oct;3(5):357–69 (64 ref.)
Viral illnesses and sports performance. Roberts JA.
Sports Med 1986 Jul–Aug;3(4):298–303 (50 ref.)
Endurance of cyclists given carbohydrate solutions during moderate-intensity rides. Edwards TL Jr, et al.
Tex Med 1986 Mar;82(3):29–31
Baseball elbow of young players. Iwase T, et al.
Tokushima J Exp Med 1985 Dec;32(3–4):57–64
[Enthesiopathy in athletes] Frýba J, et al. **Cas Lek Cesk** 1986 Apr 11;125(15):457–9 (Eng. Abstr.) (Cze)
[A survey of gynecologic problems in leading female athletes] Rotta L, et al. **Cesk Gynekol** 1985 Sep;50(8):558–60 (Cze)
[Athletic activity after eye injury] Römhild H.
Cesk Oftalmol 1986 May;42(3):194–5 (Eng. Abstr.) (Cze)
[Evaluation of the health status of the child from the aspect of the cardiorespiratory system in relation to physical training and sports] Vávra J. **Cesk Pediatr** 1986 May; 41(5):291–3 (Cze)
[First aid requirements at large youth soccer rallies] Bünemann L, et al. **Ugeskr Laeger** 1986 Feb 24;148(9):538–9 (Eng. Abstr.) (Dan)
[Peroneal compartment syndrome secondary to rupture of the peroneal longus muscle] Larsen HV, et al.
Ugeskr Laeger 1985 Oct 7;147(41):3247–8 (Eng. Abstr.) (Dan)
[Accidents caused by winter sports. Injuries and occurrence] Nielsen K. **Ugeskr Laeger** 1986 Feb 17;148(8):480–1 (Eng. Abstr.) (Dan)
[Medical assistance during an 11-city marathon on skates (letter)] Bertelsmann FW, et al. **Ned Tijdschr Geneeskd** 1986 Feb 8;130(6):274 (Dut)
[Anemia caused by participation in sports; an innocent 'side effect' of a healthy hobby] Hoepelman IM, et al.
Ned Tijdschr Geneeskd 1986 Jan 25;130(4):155–7 (Dut)
[Medical aid during an 11-city ice-skating marathon] Kramer D, et al. **Ned Tijdschr Geneeskd** 1985 Dec 21; 129(51):2448–50 (Eng. Abstr.) (Dut)
[Head injuries in bicyclists and moped riders in the 5 years before and after the introduction of the compulsory helmet regulation for moped riders] Passies G, et al.
Ned Tijdschr Geneeskd 1986 Aug 2;130(31):1398–401 (Eng. Abstr.) (Dut)
[Unscientific observations with reference to the 13th 11-city ice-skating marathon] Vreeken J, et al.
Ned Tijdschr Geneeskd 1985 Dec 21;129(51):2464–6 (Dut)
[Sports and hip prosthesis] Dubs L, et al.
Acta Orthop Belg 1985 Mar–Jun;51(2–3):388–93 (Eng. Abstr.) (Fre)
[The good practice of sports] Vanfraechem J. **Arch Belg** 1986; 44(3–4):129–38 (Fre)
[The pediatrician and sports] Theintz GE.
Helv Paediatr Acta 1985;40(6):425–34 (Eng. Abstr.) (Fre)
[Auditory reaction time, a maturation index in the athletic child?] Jost-Relyveld A, et al. **Pediatrie** 1985 Jul–Aug; 40(5):375–83 (Eng. Abstr.) (Fre)
[Role of elastic containment with calibrated biflex bandages in the treatment of venous insufficiency in athletes and in vascular rehabilitation] Traissac B, et al. **Phlebologie** 1986 Jan–Mar;39(1):173–82 (Fre)
[Driving in a rally. Effect of beta-blockers (letter)] Fabre SC, et al. **Presse Med** 1985 Nov 16;14(39):2019 (Fre)
[Dissection of the extracranial vertebral artery after a tennis match (letter)] Roualdes G, et al. **Presse Med** 1985 Nov 30;14(41):2108 (Fre)
[The amount of maxillofacial risk in playing rugby] Pinsolle J, et al. **Rev Stomatol Chir Maxillofac** 1985;86(4):259–63 (Eng. Abstr.) (Fre)
[The endocrine impact of sports] Theintz GE.
Schweiz Med Wochenschr 1986 Mar 29;116(13):413–8 (Eng. Abstr.) (Fre)
[Use of proprioceptive neuromuscular technics in the rehabilitation and training of movement in sports] Viel E.
Schweiz Z Sportmed 1985 Sep;33(3):99–104 (Eng. Abstr.) (Fre)
[Travel, sports and pregnancy] Huch R. **Arch Gynecol** 1985; 238(1–4):301–5 (Ger)
[Bodily injuries to spectators and athletes at soccer matches. A criminal phenomenological study of diverging forms of delinquency in sports] Schmitt B. **Arch Kriminol** 1985 Nov–Dec;176(5–6):171–83 (Ger)
[Sports accidents of adolescents as a cause of work disability and absenteeism in the educational process] Petermann A, et al. **Arztl Jugendkd** 1985 Oct;76(5):277–81 (Eng. Abstr.) (Ger)
[Physical performance of students participating in different sports] Stoll R, et al. **Arztl Jugendkd** 1986 Jun;77(3):177–87 (Eng. Abstr.) (Ger)
[Sudden deaths from natural cause in leisure sports] Pollak S, et al. **Beitr Gerichtl Med** 1985;43:457–63 (Eng. Abstr.)

(Ger)
[Superman and super genius. Dangers and errors in genetic manipulation] Jörgensen G. **Fortschr Med** 1986 Feb 13; 104(6):68–9 (Ger)
[Is there a risk of noise-induced hearing loss in automobile drivers and in automobile sport racing?] Lindemann J, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Sep;64(9):476–80 (Eng. Abstr.) (Ger)
[Exercise, training and sports in children with asthma from the sports medicine viewpoint] Hollmann W. **Monatsschr Kinderheilkd** 1985 Dec;133(12):863–7 (Eng. Abstr.) (Ger)
[Mental health and sports] Karaneschew G. **Psychiatr Neurol Med Psychol Beih** 1967;7:96–101 (Ger)
[Maximum allowable stress on the growing locomotor system] Hefti F, et al. **Schweiz Z Sportmed** 1985 Sep; 33(3):77–84 (39 ref.) (Eng. Abstr.) (Ger)
[Athletic rehabilitation following arthroscopic meniscectomy] Mona D, et al. **Schweiz Z Sportmed** 1985 Dec;33(4):133–6 (Eng. Abstr.) (Ger)
[A severe knee injury from the viewpoint of the soccer player] Sulser C. **Schweiz Z Sportmed** 1985 Dec;33(4):143–6 (Ger)
[Simultaneous bilateral rupture of the patellar ligament] Träger D. **Unfallchirurg** 1985 Dec;88(12):547–9 (Eng. Abstr.) (Ger)
[The roller discotheque—a quickstep to the hospital? An analysis of 196 accidents] Dörner A, et al. **Unfallchirurgie** 1985 Aug;11(4):181–6 (Eng. Abstr.) (Ger)
[Fitness for sports in advanced age] Bringmann W. **Z Arztl Fortbild (Jena)** 1985;79(21):937–40 (Ger)
[Fitness for sports in middle age] Israel S. **Z Arztl Fortbild (Jena)** 1985;79(21):933–6 (Ger)
[Criteria of fitness for sports in childhood and adolescence] Koinzer K. **Z Arztl Fortbild (Jena)** 1985;79(21):927–31 (Ger)
[Capacity for regression of the athletic heart] Dickhuth HH, et al. **Z Kardiol** 1985;74 Suppl 7:135–43 (Eng. Abstr.) (Ger)
[Significance of sports for the heart of the elderly] Hollmann W, et al. **Z Kardiol** 1985;74 Suppl 7:39–48 (Eng. Abstr.) (Ger)
[Experimental studies on the effectiveness of various shin guards in soccer] van Laack W. **Z Orthop** 1985 Nov–Dec; 123(6):951–6 (Eng. Abstr.) (Ger)
[An unusual type of traffic injury in children] Gyulai M, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1986; 29(1):41–4 (Eng. Abstr.) (Hun)
[Fatal motorcycle, motorbike and bicycle accidents. Cases from the medico-legal sector of Parma (1973–82)] Gennari M, et al. **Acta Biomed Ateneo Parmense** 1986;57(1–2):53–61 (Eng. Abstr.) (Ita)
[Mineral salts and water in the diet of the athlete] Zuliani U, et al. **Acta Biomed Ateneo Parmense** 1985;56(3):149–54 (Eng. Abstr.) (Ita)
[Risk of arrhythmia in athletes with mitral valve prolapse] Furlanello F, et al. **Cardiologia** 1985 Nov;30(11):987–9 (Ita)
[Clinical significance of electrocardiographic anomalies in athletes with mitral valve prolapse] Lubich T, et al. **Cardiologia** 1985 Nov;30(11):977–80 (Ita)
[Mitral valve prolapse syndrome and sports. Conclusive considerations: current prognostic criteria and research prospects] Masini V. **Cardiologia** 1985 Nov;30(11):991–5 (Ita)
[Mitral valve prolapse and sports: introduction] Venerando A. **Cardiologia** 1985 Nov;30(11):959–61 (Ita)
[Clinical and functional evaluation of athletes with mitral valve prolapse] Zeppilli P. **Cardiologia** 1985 Nov; 30(11):975–6 (Ita)
[Cardiovascular fitness and sports activity] **G Ital Cardiol** 1985 Aug;15(8):822–33 (Ita)
[Are sports always contraindicated in children with chronic diseases? The pediatric point of view] de Toni E, et al. **Minerva Pediatr** 1985 Dec 31;37(23–24):903–11 (Eng. Abstr.) (Ita)
[Cognitive modeling and violence in soccer] Reda MA, et al. **Minerva Psichiatr** 1985 Apr–Jun;26(2):167–70 (Ita)
[Aggressive behavior among sports fans: cognitive and interactive aspects] Salvini A. **Minerva Psichiatr** 1985 Apr–Jun;26(2):149–58 (Ita)
[Sudden death in the sportsman] Albanese C. **Recenti Prog Med** 1985 Jun;76(6):345–58 (136 ref.) (Eng. Abstr.) (Ita)
[Sports dermatological study of skin diseases in high school baseball players] Kudo M, et al. **Nippon Hifuka Gakkai Zasshi** 1985 Jul;95(8):883–91 (Jpn)
[Hormonal changes during incremental exercise in athletic women] Mesaki N, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Jan;38(1):45–52 (Eng. Abstr.) (Jpn)
[March hemoglobinuria caused by Kendo: report on 3 cases with exertion test of Kendo and study on erythrocyte membrane SDS–PAGE] Asai T, et al. **Rinsho Ketsueki** 1986 Feb;27(2):179–84 (Eng. Abstr.) (Jpn)
[Soccer injuries in Norway] Engebretsen L. **Tidsskr Nor Laegeforen** 1985 Sep 20;105(26):1766–9 (Eng. Abstr.) (Nor)
[Soccer injuries] Rein KA, et al. **Tidsskr Nor Laegeforen** 1985 Sep 20;105(26):1764–6 (Eng. Abstr.) (Nor)
[Various trends in studies of physical fitness in sports] Emmerich J. **Acta Physiol Pol** 1984;35 Suppl 27:172–80 (Pol)
[Diagnostic difficulties in changes in the circulatory system in an athlete] Fojt E, et al. **Pol Tyg Lek** 1986 Jan 27; 41(4):118–21 (Eng. Abstr.) (Pol)
[Disorders of cardiac rhythm and conduction in sportsmen] Fojt E, et al. **Pol Tyg Lek** 1985 Sep 16;40(37):1044–7 (Eng. Abstr.) (Pol)
[Electrophysiological features of the heart in sportsmen with rhythm and conduction disorders] Fojt E, et al. **Pol Tyg Lek** 1985 Nov 4;40(44):1235–9 (Eng. Abstr.) (Pol)
[Cardiorespiratory acclimatization of athletes to altitude] Costa RV. **Arq Bras Cardiol** 1985 Oct;45(4):287–92 (Por)
[Sudden death during sport activity] Cruz CA. **Arq Bras Cardiol** 1985 Aug;45(2):79–82 (Por)
[Features of the ultrastructural organization of the muscles of skaters in relation to their sport specialization and muscle fiber composition] Sukhova ZI, et al. **Arkh Anat Gistol Embriol** 1985 Dec;89(12):87–90 (Eng. Abstr.) (Rus)
[Asymmetry of motor reactions of the upper and lower extremities of man] Ermakov PN. **Fiziol Cheloveka** 1986 May–Jun;12(3):507–8 (Rus)
[Indices of humoral-hormonal regulation of functions in highly skilled chess-players] Kassil' GN, et al. **Fiziol Cheloveka** 1985 Jul–Aug;11(4):645–51 (Rus)
[Effect of graded physical exercise on the state of blood rheology in highly qualified sportsmen] Kukes VG, et al. **Fiziol Cheloveka** 1985 May–Jun;11(3):486–9 (Rus)
[Effect of maximal physical exertion on adenine nucleotide metabolism in sportsmen] Kuz'min AI, et al. **Fiziol Cheloveka** 1985 May–Jun;11(3):490–8 (Rus)
[Changes in heart rate and cerebral vascular tone as a result of alternating physical and mental loads] Lebedev ID. **Fiziol Cheloveka** 1985 Nov–Dec;11(6):934–7 (Rus)
[Blood supply to the brain of the child and adult human body during intensive muscular activity] Popov IuD. **Fiziol Cheloveka** 1985 Nov–Dec;11(6):883–8 (Rus)
[Effect of blood donation on the level of physical activity of sportsmen] Bolchuk LV, et al. **Gematol Transfuziol** 1985 Jul;30(7):45–8 (Eng. Abstr.) (Rus)
[Hygienic evaluation of sports overalls for winter types of sport] Matvienko II, et al. **Gig Sanit** 1986 Jan;(1):70–1 (Rus)
[Apropos of the article by Iu. I. Dan'ko, Iu. I. Kuznetsov and V. G. Loginov, "Effect of positive emotions on the T wave amplitude of the ECG of athletes with myocardial dystrophy as a result of chronic physical overexertion"] Dembo AG. **Kardiologiia** 1986 Feb;26(2):111–2 (Rus)
[Characteristics of the G-loads in sports stunt flying] Voloshin VG, et al. **Kosm Biol Aviakosm Med** 1985 Nov–Dec;19(6):20–2 (Eng. Abstr.) (Rus)
[The "gamma angle" and its effect on the visual capacity of the eye] Voloshinova MD, et al. **Oftalmol Zh** 1985; (6):356–8 (Eng. Abstr.) (Rus)
[2 types of myocardial hypertrophy in athletes] Karpman VL, et al. **Patol Fiziol Eksp Ter** 1986 May–Jun;(3):27–31 (Eng. Abstr.) (Rus)
[Effect of motor activity on the incidence of cardiac rhythm disorders, vegetative homeostasis and physical work capacity of schoolchildren with arrhythmia] Bogatyrev SN. **Pediatriia** 1986 Jun;(6):20–3 (Eng. Abstr.) (Rus)
[Physical training and sports—the most important reserves in fortifying health] Belakovskil OM, et al. **Voen Med Zh** 1986 May;(5):58–60 (Rus)
[Characteristics of the health inspection of sports installations] Borshchev NP, et al. **Voen Med Zh** 1986 Jul; (7):58–61 (Rus)
[Energy expenditures and actual nutrition of weight lifters in the Republic of Cuba] Gonzales HF. **Vopr Pitan** 1986 Mar–Apr;(2):30–3 (Rus)
[Various characteristics of reactions to isometric loads in patients with a history of myocardial infarction] Aktaeva IN. **Vrach Delo** 1986 Mar;(3):10–2 (Eng. Abstr.) (Rus)
[Bicycling injuries in the geriatric population] Dunjić D, et al. **Srp Arh Celok Lek** 1985 Nov–Dec;113(11–12):1031–5 (Eng. Abstr.) (Scr)
[Evaluation of the possibilities of supplementing or changing the exercise therapy performed by patients with ankylosing spondylitis by using kinesiologic elements of recreational sports] Franović A, et al. **Reumatizam** 1985;32(3–4):55–61 (Eng. Abstr.) (Scr)
[The climacteric in active women athletes within the framework of anthropometry and somatotype] Kovalčíková J. **Cesk Gynekol** 1986 Mar;51(2):81–5 (Eng. Abstr.) (Slo)
[The diabetic child and athletic practice] Calzada-León R, et al. **Bol Med Hosp Infant Mex** 1985 Dec;42(12):781–6 (Eng. Abstr.) (Spa)

CLASSIFICATION

The (non)sense of the present-day classification system of sports for the disabled, regarding paralysed and amputee athletes. van Eijsden-Besseling MD. **Paraplegia** 1985 Oct; 23(5):288–94

SPORTS MEDICINE

see related
ATHLETIC INJURIES

PROTECTIVE DEVICES

Sports medicine and sports science: bridging the gap. Culpepper MI. **Ala Med** 1985 Nov;55(5):47–9, 51
Fieldside management of athletic injuries. Tucker JB, et al. **Am Fam Physician** 1986 Aug;34(2):137–42
Anaerobic threshold as a predictor of athletic performance in prepubertal female runners. Wolfe RR, et al. **Am J Dis Child** 1986 Sep;140(9):922–4
Torque developed at simulated sliding between sport shoes and an artificial turf. Andréasson G, et al. **Am J Sports Med** 1986 May–Jun;14(3):225–30
Special event medical care: the 1984 Los Angeles Summer Olympics experience. Baker WM, et al. **Ann Emerg Med** 1986 Feb;15(2):185–90
Ankle injuries in athletes. Overview of surgical treatment. Holz DF, et al. **AORN J** 1985 Dec;42(6):896, 898, 900–1 passim
Contact allergy and sport. Grebe W. **Arb Paul Ehrlich Inst Georg Speyer Haus Ferdinand Blum Inst** 1985;(79):25–9
Triathlons and medicine: the race to catch up. Cohen L. **Can Med Assoc J** 1986 Apr 15;134(8):938–41
Symposium on profiling. **Clin Sports Med** 1984 Jan;3(1):1–294
The physician to a swimming team. Donnelly WH, et al. **Clin Sports Med** 1986 Jan;5(1):25–32
The profiling of professional football players. Gleim GW. **Clin Sports Med** 1984 Jan;3(1):185–97
Spinal manipulative therapy in sports medicine. Haldeman S. **Clin Sports Med** 1986 Apr;5(2):277–93 (66 ref.)
The body composition profile. Techniques of measurement and applications. Katch FI, et al. **Clin Sports Med** 1984 Jan;3(1):31–63 (43 ref.)
The value of sports profiling. Nicholas JA. **Clin Sports Med** 1984 Jan;3(1):3–10
Cardiovascular profiling. Squires RW, et al. **Clin Sports Med** 1984 Jan;3(1):11–29 (48 ref.)
Sports medicine program takes an orthopedic slant. Riffer J. **Hospitals** 1986 Sep 20;60(18):82
Ethical issues in college health: athletic medicine. Miller JM. **J Am Coll Health** 1986 Feb;34(4):195–6
Research and application of current topics in sports nutrition. O'Neil FT, et al. **J Am Diet Assoc** 1986 Aug;86(8):1007–15 (59 ref.)
A kinematic study of center of mass motions in the hammer throw. Dapena J. **J Biomech** 1986;19(2):147–58
The sports medicine content of family practice. Mellion MB. **J Fam Pract** 1985 Dec;21(6):473, 477–8
Proteinuria in adolescent sports physical examinations. Peggs JF, et al. **J Fam Pract** 1986 Jan;22(1):80–1
Biomechanical study of full-contact karate contrasted with boxing. Schwartz ML, et al. **J Neurosurg** 1986 Feb; 64(2):248–52
A review of the physique and performance qualities characteristic of games players in specific positions on the field of play. Bale P. **J Sports Med Phys Fitness** 1986 Jun; 26(2):109–22
The correlation of performance variables in preadolescent tennis players. Birrer RB, et al. **J Sports Med Phys Fitness** 1986 Jun;26(2):137–9
Cardiovascular evaluation of the child and adolescent before participation in sports. Driscoll DJ. **Mayo Clin Proc** 1985 Dec;60(12):867–73
Sudden death from myocarditis in young athletes [letter] Neuspiel DR. **Mayo Clin Proc** 1986 Mar;61(3):226–7
Sports medicine for the internist. Polisson RP. **Med Clin North Am** 1986 Mar;70(2):469–89 (53 ref.)
1986 American College of Sports Medicine. Annual meeting abstracts. May 28–31, Indianapolis, Indiana. **Med Sci Sports Exerc** 1986 Apr;18(2 Suppl):S1–98
Relationships among anthropometric and stroking characteristics of college swimmers. Grimston SK, et al. **Med Sci Sports Exerc** 1986 Feb;18(1):60–8
What is sports medicine? Macalister AD. **NZ Med J** 1986 Apr 9;99(799):234–5
Primary care concerns in sports medicine. Halpern BC. **Postgrad Med** 1986 Feb 1;79(2):279–80, 282
Running shoes, orthotics, and injuries. McKenzie DC, et al. **Sports Med** 1985 Sep–Oct;2(5):334–47
Factors influencing the exercise behaviour of patients. Shephard RJ. **Sports Med** 1985 Sep–Oct;2(5):348–66 (220 ref.)
[Laboratory tests in the evaluation of athletic training] Pakarinen A, et al. **Duodecim** 1986;102(9):571–8 (Fin)
[Activities of sports medicine unit in a public health department] Habarta A. **Off Gesundheitswes** 1986 Jul; 48(7):347–9 (Eng. Abstr.) (Ger)
[Sports medicine requirements in physical training] Bringmann W, et al. **Z Arztl Fortbild (Jena)** 1985; 79(21):915–20 (Ger)
[The role of the dentist in sports medicine] Simon G, et al. **Fogorv Sz** 1986 Jun;79(6):174–5 (Eng. Abstr.) (Hun)
[Effect of energy metabolism inhibitors on the spontaneous rosette formation reaction of lymphocytes during intensive muscular activity] Karpova ZhI, et al. **Lab Delo** 1985; (6):367–70 (Eng. Abstr.) (Rus)
[Medical report on a Himalayan skiing expedition: Zagreb—Kang Guru, Nepal, 1982] Aleraj B. **Ljec Vjesn** 1985 Nov–Dec;107(11–12):522–5 (Eng. Abstr.) (Scr)

EDUCATION

Presidential address of the American Orthopaedic Society

for Sports Medicine. A commitment to education. Allen WC. **Am J Sports Med** 1985 Nov-Dec;13(6):373-6

HISTORY

Development of sports medicine in the Federal Republic of Germany from 1950 to the present. Hollmann W. **Int J Sports Med** 1986 Jun;7 Suppl 1:3-5

INSTRUMENTATION

The design and testing of a wire velocimeter. Witters J, et al. **J Sports Sci** 1985 Autumn;3(3):197-206

METHODS

Athletic pre-participation examinations. Feinstein RA. **Ala Med** 1985 Sep;55(3):32-3, 36-8

TRENDS

[Responsibilities in the sports medicine service] Hannemann D, et al. **Z Arztl Fortbild (Jena)** 1985;79(21):911-3 (Ger)

SPOUSE ABUSE

Battering during pregnancy. Helton A. **Am J Nurs** 1986 Aug; 86(8):910-3

An ongoing multifamily group in a women's shelter. Rhodes RM, et al. **Am J Orthopsychiatry** 1986 Jan;56(1):120-30

Nursing assessment for risk of homicide with battered women. Campbell JC. **ANS** 1986 Jul;8(4):36-51

Research and practice with abused women: use of the Roy adaptation model as an explanatory framework. Limandri BJ. **ANS** 1986 Jul;8(4):52-61

Domestic violence and homicide antecedents. Straus MA. **Bull NY Acad Med** 1986 Jun;62(5):446-65

Medical care costs of intrafamily assault and homicide. Straus MA. **Bull NY Acad Med** 1986 Jun;62(5):556-61

Wife battering [letter] Keizer B. **Can J Public Health** 1986 Jan-Feb;77(1):60-1

Wife battering: an emerging problem in public health. Nuttall SE, et al. **Can J Public Health** 1985 Sep-Oct;76(5):297-9

"Mind control" and the battering of women.Boulette TR, et al. **Community Ment Health J** 1985 Summer;21(2):109-18

Battered women: a concern for the medical profession. Christiano MR, et al. **Conn Med** 1986 Feb;50(2):99-103

Wife-beating: everyday mayhem and murder [editorial] McGoldrick KE. **J Am Med Wom Assoc** 1986 Mar-Apr; 41(2):35

Work stressors and wife abuse. Barling J, et al. **J Appl Psychol** 1986 May;71(2):346-8

Screening spouse abusers for child abuse potential. Milner JS, et al. **J Clin Psychol** 1986 Jan;42(1):169-72

Relationship of masculinity to self-esteem and self-acceptance in female professionals, college students, clients, and victims of domestic violence. Long VO. **J Consult Clin Psychol** 1986 Jun;54(3):323-7

Children of battered women: the relation of child behavior to family violence and maternal stress. Wolfe DA, et al. **J Consult Clin Psychol** 1985 Oct;53(5):657-65

Gender and victimization by intimates. Walker LE, et al. **J Pers** 1985 Jun;53(2):179-95

Homeless battered women and their shelter network. Ryback RF, et al. **New Dir Ment Health Serv** 1986 Jun;(30):55-61

The battered woman: is she a silent victim? Blair KA. **Nurse Pract** 1986 Jun;11(6):38, 40-4, 47

Characteristics of chronic and acute battered wives. Peretti PO, et al. **Panminerva Med** 1985 Oct-Dec;27(4):219-24

[The wife battered by her husband. The realities of the phenomenon and an examination of intervention strategies] Kérouac S, et al. **Union Med Can** 1986 Mar;115(3):171-4 (Eng. Abstr.) (Fre)

[Wife abuse and the public health service] Fossheim I, et al. **Tidsskr Nor Laegeforen** 1985 Oct 30;105(30):2148-51 (Eng. Abstr.) (Nor)

PREVENTION & CONTROL

Cultural considerations in the assessment and treatment of intrafamilial abuse. Long KA. **Am J Orthopsychiatry** 1986 Jan;56(1):131-6

Shelter-based parenting services: a skill-building process. Armstrong DT. **Child Today** 1986 Mar-Apr;15(2):16-20

The family place children's therapeutic program. deLange C. **Child Today** 1986 Mar-Apr;15(2):12-5

Research with children in shelters: implications for clinical services. Hughes HM. **Child Today** 1986 Mar-Apr; 15(2):21-5

Children in shelters. Layzer JI, et al. **Child Today** 1986 Mar-Apr;15(2):6-11

Police performance in resolving family disputes: what makes the difference? Bandy C, et al. **Psychol Rep** 1986 Jun; 58(3):743-56

PSYCHOLOGY

Child witnesses to violence between parents: critical issues in behavioral and social adjustment. Wolfe DA, et al. **J Abnorm Child Psychol** 1986 Mar;14(1):95-104

SPRAINS AND STRAINS

Repetition strain injury: a review of current understanding. McDermott FT. **Med J Aust** 1986 Feb 17;144(4):196-200 (57 ref.)

COMPLICATIONS

Epiphyseal separation of the coracoid process associated with acromioclavicular sprain. A case report and review of the literature. Taga I, et al. **Clin Orthop** 1986 Jun;(207):138-41

Complications following small joint injuries. Wilson RL, et al. **Hand Clin** 1986 May;2(2):329-45 (108 ref.)

Sinus tarsi syndrome. Anatomical, clinical, and surgical considerations. Bernstein RH, et al. **J Am Podiatr Med Assoc** 1985 Sep;75(9):475-80

Thoracic outlet syndrome in cervical strain injury. Capistrant TD. **Minn Med** 1986 Jan;69(1):13-7

Slipping rib syndrome: an infrequently recognized entity in children: a report of three cases and review of the literature. Porter GE. **Pediatrics** 1985 Nov;76(5):810-3

DIAGNOSIS

Sprain or fracture? An analysis of 2000 ankle injuries. Sujitkumar P, et al. **Arch Emerg Med** 1986 Jun;3(2):101-6

RSI and the GP [editorial] Murtagh J. **Aust Fam Physician** 1986 Apr;15(4):380

Clinical assessment of apparently sprained ankle and detection of fracture. Montague AP, et al. **Injury** 1985 Sep; 16(8):545-6

Muscle cramps or RSI? [letter] Elvey R. **Med J Aust** 1986 Mar 17;144(6):334-5

Muscle cramps or RSI? [letter] Sinclair D. **Med J Aust** 1985 Nov 11;143(10):480

Sacroiliac strain syndrome: diagnosis and treatment. Schuchmann JA, et al. **Tex Med** 1986 Jun;82(6):33-6

[Sacroiliac distorsion or subluxation--a medically established concept? X-ray diagnosis--bone scintigraphy] Reichelt HG. **Chirurg** 1985 Jul;56(7):461-5 (Eng. Abstr.) (Ger)

DRUG THERAPY

Variable schedules of ibuprofen for ankle sprains. McLatchie GR, et al. **Br J Sports Med** 1985 Dec;19(4):203-6

Double-blind comparison of ketoprofen and placebo in the treatment of sprains and strains. Duranceau JA, et al. **Clin Ther** 1986;8(2):187-95

Comparison of diflunisal and acetaminophen with codeine in the treatment of mild to moderate pain due to strains and sprains. Indelicato PA. **Clin Ther** 1986;8(3):269-74

Intramuscular piroxicam, a new dosage form, in the treatment of acute musculoskeletal disorders. Wiseman RL, et al. **J Int Med Res** 1985;13(5):255-62

[Diclofenac in blunt traumatic ankle joint swelling. Volumetric monitoring in a placebo controlled double-blind trial] Diebschlag W. **Fortschr Med** 1986 Jun 5;104(21):437-40 (Eng. Abstr.) (Ger)

ETIOLOGY

Unusual cause of weakness of the lower extremity following vaginal delivery under epidural analgesia: iliopsoas muscle strain. Shin YK, et al. **Anesthesiology** 1985 Nov;63(5):531-3

Repetition strain injury--fluoridation [letter] Carr LM. **Aust Dent J** 1985 Oct;30(5):375

Physical and muscular strain in Swedish tanker truck drivers. Hedberg GE, et al. **Ergonomics** 1986 Jun;29(6):817-26

Repetitive strain injury [letter]. Golden B. **NZ Med J** 1985 Aug 28;98(785):710

Repetitive strain injury, or incipient skeletal fluorosis? [letter] Smith GE. **NZ Med J** 1985 Aug 28;98(785):710

HISTORY

[Sprains of the knee (Henri Mondor)] Debeyre J. **Chirurgie** 1985;111(5):401-4 (Fre)

OCCURRENCE

Sprain and strain injuries in the Navy: the possible role of physical fitness in their prevention. Marcinik EJ. **Aviat Space Environ Med** 1986 Aug;57(8):800-4

PHYSIOPATHOLOGY

Prediction of overexertion injuries using biomechanical and psychophysical models. Herrin GD, et al. **Am Ind Hyg Assoc J** 1986 Jun;47(6):322-30

Healing of experimental muscle strains and the effects of nonsteroidal antiinflammatory medication. Almekinders LC, et al. **Am J Sports Med** 1986 Jul-Aug;14(4):303-8

Occupational pain syndromes [editorial] Brooks PM. **Med J Aust** 1986 Feb 17;144(4):170-1

Overuse syndrome of the upper limb in musicians. Fry HJ. **Med J Aust** 1986 Feb 17;144(4):182-3, 185

PREVENTION & CONTROL

Break dancing: the need for supervision [letter] Johnson SR, et al. **Br J Sports Med** 1986 Jun;20(2):91

PSYCHOLOGY

RSI as a social process. Willis E. **Community Health Stud** 1986;10(2):210-9

RADIOGRAPHY

CT scanning of the foot and ankle: 2. Clinical applications and review of the literature. Solomon MA, et al. **AJR** 1986 Jun;146(6):1204-14

Radiographic comparison of plain films in second- and third-degree ankle sprains. Simon RR, et al. **Am J Emerg Med** 1986 Sep;4(5):387-9

Hyperflexion sprain of the cervical spine: a case study. Huslig EL, et al. **J Manipulative Physiol Ther** 1986 Jun;9(2):143-5

Massive prevertebral hematoma after cervical spine injury--a case report. Kinnunen J, et al. **Rontgenblatter** 1986 Mar; 39(3):66-7

[Diagnostic support of arthrographic study in recent sprains of the ankle] Pozzolini M, et al. **Chir Ital** 1986 Apr; 38(2):230-6 (Eng. Abstr.) (Ita)

REHABILITATION

Sprains and joint injuries: therapist's management. Bittinger S. **Hand Clin** 1986 Feb;2(1):99-105

SURGERY

[Ruptures of the lateral ankle ligament(s); to operate or not?] van Rens TJ. **Ned Tijdschr Geneeskd** 1986 Mar 15; 130(11):480-4 (Dut)

THERAPY

The sprained ankle: current therapy. Kay DB. **Foot Ankle** 1985 Aug;6(1):22-8 (87 ref.)

Sprains and joint injuries in the hand. Bowers WH. **Hand Clin** 1986 Feb;2(1):93-8

Hamstring muscle strain treated by mobilizing the sacroiliac joint. Cibulka MT, et al. **Phys Ther** 1986 Aug;66(8):1220-3

Early mobilizing treatment in lateral ankle sprains. Course and risk factors for chronic painful or function-limiting ankle. Linde F, et al. **Scand J Rehabil Med** 1986;18(1):17-21

Cervical spine disorders. A comparison of three types of traction. Zylbergold RS, et al. **Spine** 1985 Dec; 10(10):867-71

SPREADING CORTICAL DEPRESSION

Leao's spreading depression in the hippocampus explains transient global amnesia. A hypothesis. Olesen J, et al. **Acta Neurol Scand** 1986 Feb;73(2):219-20

Dual nature of the peaks of light scattered during spreading depression in chick retina. de Oliveira Castro G, et al. **An Acad Bras Cienc** 1985 Mar;57(1):95-103

Unilateral and bilateral cortical spreading depression interferes with radial maze performance in rats. Burelová O, et al. **Brain Res** 1985 Oct 7;344(2):365-8

Uncoupling of cerebral blood flow and metabolism after single episode of cortical spreading depression in the rat brain. Lauritzen M, et al. **Brain Res** 1986 Apr 9; 370(2):405-8

Cortifugal influences on dorsal column nuclei: an electrophysiological study in the rat using the cortical spreading depression technique. Giuffrida R, et al. **Exp Brain Res** 1986;61(3):649-53

Rhythmic metrazol activity and cortical spreading depression. Pohl M, et al. **Physiol Bohemoslov** 1986; 35(2):140-50

[EEG depression/spreading cortical depression--a possible pathophysiologic mechanism in classical migraine] Lauritzen M. **Nord Med** 1985;100(11):286-8 (Eng. Abstr.) (Dan)

[Possible mechanisms of the spread of inhibition in the cerebral cortex] Kazakov VN, et al. **Fiziol Zh** 1985 Sep-Oct;31(5):545-54 (41 ref.) (Eng. Abstr.) (Rus)

[Spreading depression in the cortex and subcortical structures of the brain of the rat induced by exposure to focused ultrasound] Koroleva VI, et al. **Neirofiziologiia** 1986; 18(1):55-61 (Eng. Abstr.) (Rus)

[Dynamic thermomapping of the brain of the rat during sensory stimulation and spreading depression] Shevelev IA, et al. **Neirofiziologiia** 1986;18(1):26-35 (Eng. Abstr.) (Rus)

SPRUE see CELIAC DISEASE

SPRUE, TROPICAL

COMPLICATIONS

Tropical sprue and multiple myeloma. Levine DS, et al. **RI Med J** 1986 Jun;69(6):277-9

DIAGNOSIS

The sprue syndromes. Westergaard H. **Am J Med Sci** 1985 Dec;290(6):249-62 (92 ref.)

[Diagnostic discussion: chronic diarrhea in a Haitian] Beaugerie L, et al. **Ann Gastroenterol Hepatol (Paris)** 1986 Jan-Feb;22(1):41-6 (Fre)

IMMUNOLOGY

Functional and structural aspects of the epithelial lymphocyte, with implications for coeliac disease and tropical sprue. Marsh MN. **Scand J Gastroenterol [Suppl]** 1985;114:55-75 (115 ref.)

METABOLISM

Intestinal absorption and unmediated permeation of sugars in post-infective tropical malabsorption (tropical sprue). Cook GC, et al. **Digestion** 1986;33(2):109-16

The kinetics of D3-3H metabolism in tropical sprue. Haddock L, et al. **P R Health Sci J** 1985 Mar;4(1):47-56

PATHOLOGY

Epithelial cell renewal and turnover and relationship to morphologic abnormalities in jejunal mucosa in tropical sprue. Mathan MM, et al. **Dig Dis Sci** 1986 Jun;31(6):586–92

SPUTUM

Excess sputum [letter] Hopkinson RB. **Br J Hosp Med** 1986 Apr;35(4):277

ANALYSIS

Acid-stable low molecular mass proteinase inhibitors in human lung lavage. Smith SF, et al. **Biol Chem Hoppe Seyler** 1986 Mar;367(3):183–9

Luminometric assays of seven acute-phase proteins in minimal volumes of serum, plasma, sputum, and bronchioalveolar lavage. Braun J, et al. **Clin Chem** 1986 May;32(5):743–7

[Method for evaluating sputum viscosity] Scheuler D, et al. **Z Erkr Atmungsorgane** 1985;165(1):63–8 (Eng. Abstr.) (Ger)

[Serum levels and sputum levels of cefmenoxime in respiratory tract infections] Matsumoto Y, et al. **Jpn J Antibiot** 1985 Jun;38(6):1638–42 (Eng. Abstr.) (Jpn)

[Determination of sialic acids in the sputum of bronchial asthma patients] Simlonka IuM, et al. **Lab Delo** 1986;(4):226–8 (Eng. Abstr.) (Rus)

CYTOLOGY

Effective use of bronchoscopy and sputa in the diagnosis of lung cancer. Bender BL, et al. **Diagn Cytopathol** 1985 Jul–Sep;1(3):183–7

Application of cell-image analysis to the diagnosis of cellular atypias in sputum: a review. Greenberg SD, et al. **Diagn Cytopathol** 1986 Apr–Jun;2(2):168–74

Sputum cytology by the Saccomanno method in diagnosing lung malignancy. Risse EK, et al. **Diagn Cytopathol** 1985 Oct–Dec;1(4):286–91

Malignant mesothelioma cells in sputum. Whitaker D, et al. **Diagn Cytopathol** 1986 Jan–Mar;2(1):21–4

Direct examination of unstained smears for the evaluation of sputum specimens. Wetterau LM, et al. **J Clin Microbiol** 1986 Jul;24(1):143–4

Sputum cytopathology: use and potential in monitoring the workplace environment by screening for biological effects of exposure. Frost JK, et al. **J Occup Med** 1986 Aug; 28(8):692–703

[Healthy subjects with malignant cells in their sputum. Apropos of 60 cases] Daoud R, et al. **Rev Pneumol Clin** 1985;41(3):181–6 (Eng. Abstr.) (Fre)

[Cytology of expectorations in steel and asbestos workers. Evaluation from 1980–1984] Simard A, et al. **Union Med Can** 1986 Jul;115(7):480–3 (Eng. Abstr.) (Fre)

[Cases of head and neck carcinoma detected by sputum cytology—lung cancer screening and head and neck cancer] Saito H, et al. **Gan No Rinsho** 1985 Oct; 31(13):1665–8 (Eng. Abstr.) (Jpn)

[Evaluation of inflammatory sputum cytology in chronic respiratory tract infection—mainly diffuse panbronchiolitis] Harada T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jan;24(1):30–5 (Eng. Abstr.) (Jpn)

[Method of preparing sputum for electron microscopic examination] Lavrenova GV, et al. **Lab Delo** 1985; (10):605–8 (Eng. Abstr.) (Rus)

DRUG EFFECTS

Effect of sublingual isosorbide dinitrate on sputum volume and viscoelasticity in chronic obstructive lung disease. Okayama M, et al. **Eur J Clin Pharmacol** 1986;30(2):183–6

Antibiotic activity in sputum. Levy J. **J Pediatr** 1986 May; 108(5 Pt 2):841–6

[Viscometric study of secretolytically and mucolytically active inhalants] Plank I, et al. **Z Erkr Atmungsorgane** 1985; 165(1):69–75 (Eng. Abstr.) (Ger)

[Changes in the cytology of the sputum of workers exposed to carcinogenic hazards] Vaida T, et al. **Rev Ig [Pneumoftiziol]** 1985 Jul–Sep;34(3):249–54 (Eng. Abstr.) (Rum)

ENZYMOLOGY

Antileukoprotease in sputum during bronchial infections. Dijkman JH, et al. **Chest** 1986 May;89(5):731–6

[Detection of thermostable tissue esterases in the lung tissue and sputum of lung cancer patients] Sukharev AE, et al. **Vopr Onkol** 1986;32(2):82–3 (Rus)

IMMUNOLOGY

IgG, IgA, and IgM antibodies to mite in sera and sputa from asthmatic patients. Kitani S, et al. **Ann Allergy** 1985 Oct; 55(4):612–20

Determination of mycobacterial antigens in sputum by enzyme immunoassay. Yáñez MA, et al. **J Clin Microbiol** 1986 May;23(5):822–5

[The diagnostic significance of the determination of SIgA in the sputum and saliva in lung cancer] Chen TJ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1985 Dec;8(6):325–7, 372 (Eng. Abstr.) (Chi)

[Local immunity and cytological composition of bronchial secretion in patients with chronic bronchitis] Berzner AN, et al. **Probl Tuberk** 1986;(2):58–60 (Eng. Abstr.) (Rus)

[Prognostic significance of cytologic and immunologic indices of sputum in chronic bronchitis patients] Shkolov VG, et al. **Vrach Delo** 1986 Jul;(7):32–4 (Eng. Abstr.) (Rus)

[Changes in immunoglobulins in the sputum and serum after the use of secretolytics in patients with chronic obstructive pulmonary disease] Pražić B, et al. **Pneum Bolesti** 1985 Jul–Dec;37(3–4):178–82 (Eng. Abstr.) (Ser)

METABOLISM

Unidentified bronchial objects in bronchial secretions [letter] Mouriquand J, et al. **Acta Cytol (Baltimore)** 1986 Jan–Feb; 30(1):87–8

De novo generation of histamine in sputum and the effect of antibiotics. Sheinman BD, et al. **Agents Actions** 1986 Mar;17(3–6):449–53

Oxalate crystals in sputum of patients with aspergilloma [letter] Benoit G, et al. **Am Rev Respir Dis** 1986 Apr; 133(4):709

Aminoglycoside penetration, inactivation, and efficacy in cystic fibrosis sputum. Mendelman PM, et al. **Am Rev Respir Dis** 1985 Oct;132(4):761–5

Influence of sputum IgA and elastase on tracheal cell bacterial adherence. Niederman MS, et al. **Am Rev Respir Dis** 1986 Feb;133(2):255–60

Penetration of ciclacillin into bronchial secretions. Bone M, et al. **Chemioterapia** 1986 Apr;5(2):105–8

Concentration and distribution of soluble and insoluble macromolecules from sputum: a possible estimation of the hydration of sputum macromolecules. Lhermitte M, et al. **Lung** 1986;164(4):217–31

[Ceruloplasmin, haptoglobin and transferrin levels in bronchial secretions in children with chronic diseases of the respiratory tract] Gawel J, et al. **Pediatr Pol** 1985 Nov–Dec;60(11–12):768–74 (Eng. Abstr.) (Pol)

[Various components of bronchial secretion in dust-induced lung diseases] Filimonova MN. **Gig Tr Prof Zabol** 1985 Jul;(7):16–9 (Eng. Abstr.) (Rus)

[Lipids and proteins in bronchial washings in children with recurrent bronchitis] Slobozhankin IV, et al. **Probl Tuberk** 1986;(3):34–6 (Eng. Abstr.) (Rus)

MICROBIOLOGY

Cytologic detection of Pneumocystis carinii by ultraviolet light examination of Papanicolaou-stained sputum specimens [letter] Markowitz S, et al. **Acta Cytol (Baltimore)** 1986 Jan–Feb;30(1):79–80

The usefulness of induced sputum in the diagnosis of Pneumocystis carinii pneumonia in patients with the acquired immunodeficiency syndrome. Bigby TD, et al. **Am Rev Respir Dis** 1986 Apr;133(4):515–8

Sputum induction in the acquired immunodeficiency syndrome [editorial] Luce JM. **Am Rev Respir Dis** 1986 Apr;133(4):513–4

Sputum examination for the diagnosis of Pneumocystis carinii pneumonia in the acquired immunodeficiency syndrome. Pitchenik AE, et al. **Am Rev Respir Dis** 1986 Feb; 133(2):226–9

Respiratory complications following cardiac surgery. The role of microbiology in its evaluation. Gould FK, et al. **Anaesthesia** 1985 Nov;40(11):1061–4

Sputum analysis and culture. Joyce SM. **Ann Emerg Med** 1986 Mar;15(3):325–8

Reliability of sputum culture in pneumonia [letter] Marino PL. **Crit Care Med** 1986 Jun;14(6):595

Isoelectric focusing of beta-lactamases from sputum and middle ear isolates of Branhamella catarrhalis recovered in the United States. Nash DR, et al. **Drugs** 1986;31 Suppl 3:48–54

Incidence of Branhamella catarrhalis in the sputa of patients with chronic lung disease. Pollard JA, et al. **Drugs** 1986; 31 Suppl 3:103–8

A reassessment of sputum specimens for laboratory diagnosis of pneumococcal pneumonia [editorial] Balows A. **Eur J Clin Microbiol** 1986 Jun;5(3):275–6

Rarity of Legionella species in routine sputum specimens [letter] Ellner PD, et al. **Eur J Clin Microbiol** 1985 Aug; 4(4):425

Comparison of enzyme-linked immunosorbent assay with coagglutination and latex agglutination for rapid diagnosis of pneumococcal pneumonia by detecting antigen in sputa. Holmberg H, et al. **Eur J Clin Microbiol** 1986 Jun; 5(3):282–6

A combined detection & drug susceptibility testing of Mycobacterium tuberculosis in smear positive sputum samples using biphasic vial radiometric method. Shah DH, et al. **Indian J Med Res** 1986 Feb;83:123–35

Modified rapid radiometric method for detection of Mycobacterium tuberculosis from sputum samples. Shah DH, et al. **Int J Nucl Med Biol** 1985;12(4):333–5

Comparison of Gram stain and Nomarski optics for screening sputum specimens before culture. Reimer LG, et al. **J Clin Microbiol** 1986 Feb;23(2):377–8

Comparative study of the different methods of collection of sputum samples in tuberculous patients. Abdel Aziz A, et al. **J Egypt Public Health Assoc** 1985;60(1–2):61–9

A 2-year survey of Branhamella catarrhalis in a general hospital. Smith JM, et al. **J Hosp Infect** 1986 May; 7(3):277–82

Accuracy of sputum examination for the diagnosis of pneumococcal pneumonia [letter] Kalin M. **J Infect Dis** 1985 Nov;152(5):1097

Gram stain and culture of sputum to diagnose bacterial pneumonia [letter] Musher DM. **J Infect Dis** 1985 Nov; 152(5):1096

Leads from the MMWR. Bacteriologic conversion of sputum among tuberculosis patients—United States. **JAMA** 1986 Jan 24–31;255(4):451, 455–6

Infection risk of sputum positive tuberculosis patients to their family contacts with and without chemotherapy. Aziz A, et al. **JPMA** 1985 Aug;35(8):249–52

Routine use of counterimmunoelectrophoresis for the detection of pneumococcal antigen in sputum. Ericsson CH, et al. **Med Microbiol Immunol (Berl)** 1986;175(4):241–9

Mycobacterium fortuitum subspecies acetamidolyticum, a new subspecies of Mycobacterium fortuitum. Tsukamura M, et al. **Microbiol Immunol** 1986;30(2):97–110

Bacteriologic conversion of sputum among tuberculosis patients—United States. **MMWR** 1985 Dec 13; 34(49):747–50

Diagnosis of sputum smear- and sputum culture-negative pulmonary tuberculosis. Cowie RL, et al. **S Afr Med J** 1985 Dec 7;68(12):878

Present position of microscopy and of culture in diagnostic mycobacteriology. Urbanczik R. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1985 Aug; 260(1):81–7

[Comparison between a 9-month regimen and 18-month regimen for the initial treatment of pulmonary tuberculosis patients with a positive sputum culture] Han JJ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1984 Aug;7(4):203–5, 253 (Eng. Abstr.) (Chi)

[Studies on sputum conversion of smear-positive, previously untreated pulmonary tuberculosis: a comparison of short-course and standard chemotherapy regimens] Huang M. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Feb;9(1):1–5, 61 (Eng. Abstr.) (Chi)

[Recent-term therapeutic effects of short-course chemotherapy in rural outpatients with smear positive tuberculosis] Zhang YD. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Feb;9(1):6–8, 61 (Eng. Abstr.) (Chi)

[Isolation of Legionella pneumophila from sputum and autopsy material] Chmelař D, et al. **Cesk Epidemiol Mikrobiol Imunol** 1986 Feb;35(1):33–9 (Eng. Abstr.) (Cze)

[Quantitative bacteriology of sputum collected by a simple technic limiting salivary contamination] Beck G, et al. **Bull Eur Physiopathol Respir** 1982 Nov–Dec;18(6):885–92 (Eng. Abstr.) (Fre)

[LAV/HTLV-III and respirators (letter)] Kress HG, et al. **Dtsch Med Wochenschr** 1986 May 30;111(22):880 (Ger)

[Studies on bactericidal effects of NaOH on mycobacteria. 2. Survival rates mycobacteria in sputum and in saline after pretreatment with NaOH solution] Marumo K, et al. **Kekkaku** 1986 Apr;61(4):265–71 (Eng. Abstr.) (Jpn)

[Characteristics of acute pneumonia in relation to sputum microflora and the state of natural resistance and immunity] Kondratenko GP, et al. **Sov Med** 1985;(6):73–7 (Rus)

[Microflora of the sputum and indicators of natural resistance in patients with acute pneumonia] Kondratenko GP, et al. **Ter Arkh** 1986;58(4):97–100 (Eng. Abstr.) (Rus)

[Role of different microorganisms in the development and course of acute pneumonia] Kondratenko GP, et al. **Vrach Delo** 1986 Jul;(7):19–20 (Eng. Abstr.) (Rus)

[Characteristics of bacteria shedding among patients with destructive pulmonary tuberculosis] Roslik SM, et al. **Vrach Delo** 1986 May;(5):94–7 (Eng. Abstr.) (Rus)

[Quality of sputum bacilloscopy in the laboratory network of Argentina] Latini OA, et al. **Bol Of Sanit Panam** 1986 Jun;100(6):622–33 (Eng. Abstr.) (Spa)

[Comparison of 4 methods for the isolation of Mycobacterium tuberculosis from sputum] Ferrá Salazar C, et al. **Rev Cubana Med Trop** 1984 Sep–Dec;36(3):315–25 (Eng. Abstr.) (Spa)

PARASITOLOGY

Pulmonary strongyloidiasis. Diagnosis by sputum gram stain. Smith B, et al. **Am J Med** 1985 Nov;79(5):663–6

PATHOLOGY

The value of provoked expectoration in obtaining sputum samples for cytologic investigation. A prospective, consecutive and controlled investigation of 134 patients. Pedersen B, et al. **Acta Cytol (Baltimore)** 1985 Sep–Oct; 29(5):750–2

Sinus tract extension of a liver hydatid cyst and recovery of diagnostic hooklets in sputum. Garcia LS, et al. **Am J Clin Pathol** 1986 Apr;85(4):519–21

Early detection of precancerous lesions in dysplasias of the lung by rapid DNA image cytometry. Auffermann W, et al. **Anal Quant Cytol Histol** 1985 Sep;7(3):218–26

Malignancy-associated cellular markers (MAC) in oral and bronchial epithelial cells in sputum specimens: possible morphologic marker for high-risk groups (asbestos-exposed workers). Vetrani A, et al. **Cancer Detect Prev** 1986;9(3–4):343–6

PHYSIOLOGY

A micro double capillary method for rheologic measurements of lower airway secretions. Kim CS, et al. **Bull Eur Physiopathol Respir** 1982 Nov-Dec;18(6):915-27

Demonstration of neutrophil chemotactic activity in the sputum of cystic fibrosis patients with Pseudomonas aeruginosa infection. Kharazmi A, et al. **Eur J Clin Invest** 1986 Apr;16(2):143-8

Rheological and transport properties of airway secretions in cystic fibrosis--relationships with the degree of infection and severity of the disease. Puchelle E, et al. **Eur J Clin Invest** 1985 Dec;15(6):389-94

[Lysozyme level and rheological properties of the sputum in patients with chronic bronchitis] Solopov VN, et al. **Ter Arkh** 1986;58(4):57-9 (Eng. Abstr.) (Rus)

SECRETION

Comparison of physicochemical properties of purified mucus glycoproteins isolated from respiratory secretions of cystic fibrosis and asthmatic patients. Chace KV, et al. **Biochemistry** 1985 Dec 3;24(25):7334-41

Mucociliary clearance in smokers. Vastag E, et al. **Eur J Respir Dis** 1986 Feb;68(2):107-13

[The value of acetylcysteine in the collection of sputum] Pedersen B, et al. **Ugeskr Laeger** 1986 Jun 9;148(24):1463-5 (Eng. Abstr.) (Dan)

[A case of hyponatremic bronchorrhea] Okada K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jan;24(1):69-73 (Eng. Abstr.) (Jpn)

[One-day profiles of sputum production] Suzuki T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Feb;24(2):123-9 (Eng. Abstr.) (Jpn)

SQ 14225 see **CAPTOPRIL**

SQ 18506 see under **NITROFURANS**

SQUALENE

ANALOGS & DERIVATIVES

Inhibition of fungal and mammalian sterol biosynthesis by 2-aza-2,3-dihydrosqualene. Ryder NS, et al. **FEBS Lett** 1986 Aug 18;204(2):239-42

Occurrence of squalene and dehydrosqualene in streptomycetes. Gräfe U, et al. **J Basic Microbiol** 1985; 25(8):503-7

The squalene-2,3-epoxide cyclase as a model for the development of new drugs. Cattel L, et al. **Lipids** 1986 Jan;21(1):31-8

ANALYSIS

Occurrence of squalene and dehydrosqualene in streptomycetes. Gräfe U, et al. **J Basic Microbiol** 1985; 25(8):503-7

METABOLISM

A possible role for squalene in the pathogenesis of acne. II. In vivo study of squalene oxides in skin surface and intra-comedonal lipids of acne patients. Saint-Leger D, et al. **Br J Dermatol** 1986 May;114(5):543-52

A possible role for squalene in the pathogenesis of acne. I. In vitro study of squalene oxidation. Saint-Leger D, et al. **Br J Dermatol** 1986 May;114(5):535-42

Biliary squalene levels in hepatobiliary disease. Nosaka Y, et al. **Gastroenterol Jpn** 1985 Aug;20(4):338-43

Sterol and bile acid metabolism after short-term prednisolone treatment in patients with chronic active hepatitis. Yamanishi Y, et al. **Gastroenterol Jpn** 1985 Jun;20(3):246-51

PHARMACODYNAMICS

Potentiation by squalene of antitumor effect of 3-[(4-amino-2-methyl-5-pyrimidinyl)methyl]-1-(2-chloroethyl)-nitros oures in a murine tumor system. Yamaguchi T, et al. **Jpn J Cancer Res** 1985 Oct; 76(10):1021-6

[Stimulating effect of squalene on fecal excretion of a high toxic 2,3,4,7,8-pentachlorodibenzofuran (PenCDF) in rats] Yoshimura H, et al. **Fukuoka Igaku Zasshi** 1985 May; 76(5):184-9 (Eng. Abstr.) (Jpn)

RADIATION EFFECTS

Chlorpromazine-sensitized photooxidation of squalene. Fujita H, et al. **Arch Dermatol Res** 1986;278(3):224-7

THERAPEUTIC USE

[Studies on therapeutic effect of 13-cis retinoic acid and squalene on symptoms of PCDFs poisoning in monkeys] Kashimoto T, et al. **Fukuoka Igaku Zasshi** 1985 May; 76(5):190-5 (Eng. Abstr.) (Jpn)

SQUALENE SYNTHETASE see under **OXIDOREDUCTASES**

SQUID

ANALYSIS

Heavy meromyosin and subfragment-1 from squid mantle myosin, and Ca-sensitivity of their Mg-ATPases. Kamiya S, et al. **J Biochem (Tokyo)** 1985 Jul;98(1):149-56

3-Dehydroretinal in the eye of a bioluminescent squid, Watasenia scintillans. Kito Y, et al. **Vision Res** 1986; 26(2):275-9

ANATOMY & HISTOLOGY

Localization and stimulation of chromatophore motoneurones in the brain of the squid, Lolliguncula brevis. Dubas F, et al. **J Exp Biol** 1986 Mar;121:1-25

GENETICS

Complexity of nuclear and polysomal RNA from squid optic lobe and gill. Capano CP, et al. **J Neurochem** 1986 May; 46(5):1517-21

METABOLISM

N,N'-Ethylene-bis(iodoacetamide) as a probe for structural and functional characteristics of brine shrimp, squid, and bovine tubulins. Luduena RF, et al. **Can J Biochem Cell Biol** 1985 Jun;63(6):439-47

MICROBIOLOGY

Bacterial populations of normal and ulcerated mantle tissue of the squid, Lolliguncula brevis. Ford LA, et al. **J Invertebr Pathol** 1986 Jul;48(1):13-26

PARASITOLOGY

[Geographic distribution and hosts of Anisakis simplex and Anisakis simplex B (Ascaridida: Anisakidae)] Mattiucci S, et al. **Ann Ist Super Sanita** 1986;22(1):353-5 (Eng. Abstr.) (Ita)

PHYSIOLOGY

Capture, transport, and maintenance of live squid (Loligo pealei) for electrophysiological studies. Chabala LD, et al. **Pflugers Arch** 1986 Jul;407(1):105-8

ULTRASTRUCTURE

Correlation of iridescence with changes in iridophore platelet ultrastructure in the squid Lolliguncula brevis. Cooper KM, et al. **J Exp Biol** 1986 Mar;121:451-5

SQUINT see **STRABISMUS**

SQUIRRELS see **SCIURIDAE**

SRC GENES see **ONCOGENES**

SRS-A

Understanding leukotrienes. Wardle N. **Br J Hosp Med** 1986 Jun;35(6):382, 384, 386-7

Prostaglandins, thromboxanes and leukotrienes in clinical medicine. Zipser RD, et al. **West J Med** 1985 Oct; 143(4):485-97 (273 ref.)

ADVERSE EFFECTS

Phlogistic activity of leukotriene D4 in the mouse. Griswold DE, et al. **Inflammation** 1986 Mar;10(1):1-7

ANALOGS & DERIVATIVES

New developments concerning leukotriene antagonists: a review. Musser JH, et al. **Agents Actions** 1986 Jun; 18(3-4):332-41 (83 ref.)

Enhanced formation of sulfidopeptide-leukotrienes in ulcerative colitis and Crohn's disease: inhibition by sulfasalazine and 5-aminosalicylic acid. Peskar BM, et al. **Agents Actions** 1986 Jun;18(3-4):381-3

Metabolism of leukotriene E4 by rat tissues: formation of N-acetyl leukotriene E4. Bernström K, et al. **Arch Biochem Biophys** 1986 Feb 1;244(2):486-91

Leukotrienes in the aqueous humor of patients with uveitis. Parker JA, et al. **Arch Ophthalmol** 1986 May;104(5):722-4

In vivo metabolism of leukotriene C4 in germ-free and conventional rats. Fecal excretion of N-acetylleukotriene E4. Orning L, et al. **J Biol Chem** 1986 Jan 15;261(2):766-71

Quantitation of sulfidopeptide leukotrienes by reversed-phase high-performance liquid chromatography. Müller M, et al. **J Chromatogr** 1985 Sep 13;343(1):213-8

Cyclooxygenase blockade elevates leukotriene E4 production during acute anaphylaxis in sheep. Robinson DR, et al. **J Exp Med** 1986 Jun 1;163(6):1509-17

Synthesis and LTD4 antagonist activity of 2-norleukotriene analogues. Ku TW, et al. **J Med Chem** 1985 Dec; 28(12):1847-53

Evaluation of LY163443, 1-[2-hydroxy-3-propyl-4-([4-(1H-tetrazol-5-ylmethyl)phenoxy]methyl) phenyl]ethanone, as a pharmacologic antagonist of leukotrienes D4 and E4. Fleisch JH, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 May; 333(1):70-7

Leukotrienes C4, D4 and E4 cause widespread and extensive plasma extravasation in the guinea pig. Hua XY, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Aug; 330(2):136-41

Role of cyclooxygenase products in the lung action of leukotrienes A4, B4, C4, D4 and E4. Sirois P, et al. **Pharmacology** 1985;31(4):225-36

The effect of an orally active leukotriene D4/E4 antagonist, LY171883, on antigen-induced airway responses in allergic sheep. Abraham WM, et al. **Prostaglandins** 1986 Mar; 31(3):457-67

Identification of the major endogenous leukotriene metabolite in the bile of rats as N-acetyl leukotriene E4. Hagmann W, et al. **Prostaglandins** 1986 Feb;31(2):239-51

[Significance of leukotrienes in chronic respiratory tract diseases in childhood] Schönfeld W, et al. **Klin Wochenschr** 1986 Mar 17;64(6):257-64 (Eng. Abstr.) (Ger)

[Effect of leukotriene E4 on the central hemodynamics and vascular contractile activity] Gabrielian ES, et al. **Biull Eksp Biol Med** 1986 Apr;101(4):438-40 (Eng. Abstr.) (Rus)

[Role of leukotrienes in shock of immune origin] Sagach VF. **Biull Eksp Biol Med** 1986 Feb;101(2):151-3 (Eng. Abstr.) (Rus)

[Leukotrienes and the cardiovascular system] Sagach VF. **Patol Fiziol Eksp Ter** 1986 Jan-Feb;(1):84-9 (72 ref.) (Rus)

ANALYSIS

Problems with measurement of icosanoids in biological fluids. Dollery CT, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:91-4

Determination of leukotriene C4 by radioimmunoassay with a specific antiserum against a synthetic hapten. Fitzpatrick FA, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:29-31

Solid-phase extraction and high-performance liquid chromatography analysis of lipoxygenase pathway products. Eskra JD, et al. **Anal Biochem** 1986 Apr; 154(1):332-7

Determination of sulfidopeptide leukotrienes in biological fluids by gas chromatography/mass spectrometry. Balazy M, et al. **Anal Chem** 1986 May;58(6):1098-101

Leukotrienes in pulmonary edema fluid after cardiopulmonary bypass. Swerdlow BN, et al. **Anesth Analg** 1986 Mar;65(3):306-8

Increased leukotriene C4 and vasogenic edema surrounding brain tumors in humans. Black KL, et al. **Ann Neurol** 1986 Jun;19(6):592-5

Leukotrienes in the aqueous humor of patients with uveitis. Parker JA, et al. **Arch Ophthalmol** 1986 May;104(5):722-4

Quantitation of sulfidopeptide leukotrienes by reversed-phase high-performance liquid chromatography. Müller M, et al. **J Chromatogr** 1985 Sep 13;343(1):213-8

Measurement of leukotrienes. Smith JB, et al. **Prog Clin Biol Res** 1985;199:29-33

ANTAGONISTS & INHIBITORS

Piriprost: a selective inhibitor of leukotriene synthesis. Bach MK, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:225-7

Antiallergic action of inhibitors of leukotriene biosynthesis. Murota S, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:221-3

New antagonists of leukotrienes: ONO-RS-411 and ONO-RS-347. Obata T, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:229-31

Methylprednisolone inhibition of leukotriene-dependent airway anaphylaxis in the guinea pig in vivo. Dahlén SE, et al. **Agents Actions** 1986 Jan;17(3-4):310-1

The effect of lipoxygenase inhibitors and leukotriene antagonists on anaphylaxis. Franchi-Micheli S, et al. **Agents Actions** 1986 Apr;18(1-2):242-4

New developments concerning leukotriene antagonists: a review. Musser JH, et al. **Agents Actions** 1986 Jun; 18(3-4):332-41 (83 ref.)

Pulmonary and systemic vascular effects of SRS-A blockade in conscious lambs. Kulik TJ, et al. **Am J Physiol** 1985 Nov;249(5 Pt 2):H968-73

Ozone-induced bronchial hyperreactivity in guinea pigs is abolished by BW 755C or FPL 55712 but not by indomethacin. Lee HK, et al. **Am Rev Respir Dis** 1985 Nov; 132(5):1005-9

Ionophore-dependent generation of eicosanoids in human dispersed lung cells. Modulation by 6,9-deepoxy-6,9-(phenylimino)-delta 6,8-prostaglandin I1 (U-60,257). Robinson C, et al. **Biochem Pharmacol** 1986 Jun 1;35(11):1903-8

Protective effects of a new LTD4 antagonist (LY-171883) in traumatic shock. Hock CE, et al. **Circ Shock** 1985; 17(4):263-72

Anti-leukotriene D4 action of a new anti-asthmatic drug (KC-404) on the guinea-pig isolated trachea. Sato T, et al. **Gen Pharmacol** 1986;17(3):287-92

Antagonism of antigen-induced contraction of isolated guinea-pig trachea by 5-lipoxygenase inhibitors. Hand JM, et al. **Int Arch Allergy Appl Immunol** 1986;79(1):8-13

Synthesis of [[(naphthalenylmethoxy)- and [[(quinolinylmethoxy)phenyl]amino]oxoalkanoic acid esters. A novel series of leukotriene D4 antagonists and 5-lipoxygenase inhibitors. Musser JH, et al.

J Med Chem 1986 Aug;29(8):1429–35

Synthesis and structure–activity relationship studies of a series of 5-aryl-4,6-dithianonanedioic acids and related compounds: a novel class of leukotriene antagonists. Perchonock CD, et al. J Med Chem 1986 Aug; 29(8):1442–52

Design and synthesis of sodium (beta R*, gamma S*)-4-[[3-(4-acetyl-3-hydroxy-2-propylphenoxy)propyl] thio]-gamma-hydroxy-beta-methylbenzenebutanoate: a novel, selective, and orally active receptor antagonist of leukotriene D4. Young RN, et al. J Med Chem 1986 Sep; 29(9):1573–6

Demonstration of inhibition of mediator release from human mast cells by azatadine base. In vivo and in vitro evaluation. Togias AG, et al. JAMA 1986 Jan 10;255(2):225–9

Bronchodilator drugs and their combinations antagonize the dose-related leukotriene D4-induced airway obstruction in guinea pigs. Salonen RO. Med Biol 1985;63(3):137–43

Evaluation of LY163443, 1-[2-hydroxy-3-propyl-4-([4-(1H-tetrazol-5-ylmethyl)phenoxy]methyl) phenyl]ethanone, as a pharmacologic antagonist of leukotrienes D4 and E4. Fleisch JH, et al. Naunyn Schmiedebergs Arch Pharmacol 1986 May; 333(1):70–7

Influence of an antagonist of slow-reacting substance of anaphylaxis on the cardiovascular manifestations of hypoxia in piglets. Goldberg RN, et al. Pediatr Res 1985 Nov; 19(11):1201–5

Inhibition of leukotriene actions by the calcium channel blocker, nisoldipine. Lefer AM, et al. Proc Soc Exp Biol Med 1986 Jul;182(3):296–300

Leukotriene receptors. Bray MA. Prog Clin Biol Res 1985; 199:17–28 (35 ref.)

The effect of an orally active leukotriene D4/E4 antagonist, LY171883, on antigen-induced airway responses in allergic sheep. Abraham WM, et al. Prostaglandins 1986 Mar; 31(3):457–67

U-60,257 inhibits O3-induced bronchial hyperreactivity in the guinea pig. Murlas C, et al. Prostaglandins 1985 Oct; 30(4):563–72

Differential rank order of potency for antagonism of LTC4- and LTD4-induced contractions of guinea pig trachea. Tucker SS, et al. Prostaglandins Leukotrienes Med 1986 Jul;23(1):37–44

Inhibition of rat liver glutathione-S-transferases by piriprost: kinetics of the inhibition and preliminary evidence that piriprost may be a poor alternative substrate for these enzymes. Bach MK, et al. Res Commun Chem Pathol Pharmacol 1985 Sep; 49(3):361–86

Hydrogen peroxide induced pulmonary vasoconstriction in isolated rat lungs is attenuated by U60,257, a leucotriene synthesis blocker. Burghuber OC, et al. Wien Klin Wochenschr 1986 Feb 21;98(4):117–9

Effect of Piriprost, a 5-lipoxygenase inhibitor, on leukocyte accumulation during thioglycollate-induced acute inflammation. Lawson CF, et al. Wien Klin Wochenschr 1986 Feb 21;98(4):110–3

[Anti-slow reacting substance of anaphylaxis effect of verapamil] Zhang HQ, et al. Chung Kuo Yao Li Hsueh Pao 1985 Jun;6(2):110–2 (Eng. Abstr.) (Chi)

[Inhibition of hypoxic pulmonary vasoconstriction by leukotriene blockade] Burghuber OC, et al. Wien Klin Wochenschr 1986 Feb 21;98(4):113–7 (Eng. Abstr.) (Ger)

BIOSYNTHESIS

Leukotriene and prostaglandin synthesis in various murine macrophage populations. Humes JL, et al. Adv Prostaglandin Thromboxane Leukotriene Res 1985; 15:205–8

Evidence for leukotriene formation and a neuroendocrine role for leukotriene C4 in rat brain. Lindgren JA, et al. Adv Prostaglandin Thromboxane Leukotriene Res 1985; 15:561–4

Enzymatic reactions of leukotriene biosynthesis in human polymorphonuclear leukocytes. Sun FF, et al. Adv Prostaglandin Thromboxane Leukotriene Res 1985; 15:181–3

Increased generation of leukotriene C4 from eosinophils in asthmatic patients. Taniguchi N, et al. Allergy 1985 Nov; 40(8):571–3

Leukotrienes and other lipoxygenase products of arachidonic acid synthesized in the kidney. Ardaillou R, et al. Am J Med 1986 Aug 25;81(2B):12–22 (54 ref.)

Prostaglandins, thromboxanes, and leukotrienes in inflammation. Malmsten CL. Am J Med 1986 Apr 28; 80(4B):11–7

Significance of production of peptide leukotrienes in murine traumatic shock. Craft DV, et al. Am J Physiol 1986 Jul; 251(1 Pt 2):H80–5

Stimulus-secretion coupling and leukotriene formation in the triggering of immediate hypersensitivity reactions. Braquet P, et al. Ann Inst Pasteur Immunol 1985 Sep-Oct; 136D(2):186–203 (77 ref.)

Possible role of the T-cell-factor-dependent mast cell subclass in the generation of leukotrienes from lung. Mencia-Huerta JM. Ann Inst Pasteur Immunol 1985 Sep-Oct;136D(2):209–12

Selective inhibition of leukotriene C4 synthesis in human neutrophils by ethacrynic acid. Leung KH. Biochem Biophys Res Commun 1986 May 29;137(1):195–200

Inhibition of the leukotriene synthetase of rat basophil leukemia cells by diethylcarbamazine, and synergism between diethylcarbamazine and piriprost, a 5-lipoxygenase inhibitor. Bach MK, et al. Biochem Pharmacol 1986 Feb 1;35(3):425–33

Ketoconazole inhibits the biosynthesis of leukotrienes in vitro and in vivo. Beetens JR, et al. Biochem Pharmacol 1986 Mar 15;35(6):883–91

Generation of leukotrienes from fetal and neonatal porcine blood vessels. Piper PJ, et al. Biol Neonate 1986; 49(2):109–12

Effects of benzydamine on leukotriene biosynthesis by basophilic leukemia cells. Bernström K, et al. Boll Chim Farm 1985 May;124(5):187–9

Effects of baicalein on leukotriene C4 biosynthesis in human leukocyte. Kimura Y, et al. Chem Pharm Bull (Tokyo) 1986 May;34(5):2279–81

Formation of prostaglandins, leukotrienes and paf-acether by macrophages. Roubin R, et al. Comp Immunol Microbiol Infect Dis 1985;8(2):109–18 (69 ref.)

Exclusive leukotriene C4 synthesis by purified human eosinophils induced by opsonized zymosan. Bruynzeel PL, et al. FEBS Lett 1985 Sep 23;189(2):350–4

Lipoxygenase pathways of macrophages. Bonney RJ, et al. Fed Proc 1985 Nov;44(14):2933–6 (25 ref.)

Effect of thiol-activated toxins (streptolysin O, alveolysin, and theta toxin) on the generation of leukotrienes and leukotriene-inducing and -metabolizing enzymes from human polymorphonuclear granulocytes. Bremm KD, et al. Infect Immun 1985 Dec;50(3):844–51

Bacterial adherence and hemolysin production from Escherichia coli induces histamine and leukotriene release from various cells. Scheffer J, et al. Infect Immun 1985 Oct;50(1):271–8

Calcium ionophore and chemotactic peptide stimulation of peptidoleukotriene synthesis in DMSO-differentiated HL60 cells. Anthes JC, et al. Inflammation 1986 Jun; 10(2):145–56

Correlation between mouse skin inflammation induced by arachidonic acid and eicosanoid synthesis. Chang J, et al. Inflammation 1986 Sep;10(3):205–14

The antiallergic agent amoxanox suppresses SRS-A generation by inhibiting lipoxygenase. Saijo T, et al. Int Arch Allergy Appl Immunol 1986;79(3):231–7

Inhibition of leukotriene C4 and B4 generation by human eosinophils and neutrophils with the lipoxygenase pathway inhibitors U60257 and BW755C. Cromwell O, et al. Int J Immunopharmacol 1985;7(5):775–81

Bronchial asthma, leukocyte synthesis of slow-reacting substance of anaphylaxis, and other evidence for activation of blood cells in asthma. Grant JA, et al. J Allergy Clin Immunol 1986 Mar;77(3):407–10

Studies on the biosynthesis of leukotrienes in guinea pig lung in vitro by use of high-performance liquid chromatography. Salari H, et al. J Allergy Clin Immunol 1986 May;77(5):720–7

Enhancement of A23187-induced production of the slow-reacting substance on peripheral leukocytes from subjects with asthma. Wang SR, et al. J Allergy Clin Immunol 1986 Mar;77(3):465–71

Enhancement by monokines of leukotriene generation by human eosinophils and neutrophils stimulated with calcium ionophore A23187. Dessein AJ, et al. J Immunol 1986 May 15;136(10):3829–38

Schistosoma mansoni: production of cercarial eicosanoids as correlates of penetration and transformation. Fusco AC, et al. J Parasitol 1986 Jun;72(3):397–404

Effects of gold compounds on leukotriene B4, leukotriene C4 and prostaglandin E2 production by polymorphonuclear leukocytes. Parente JE, et al. J Rheumatol 1986 Feb;13(1):47–51

New role for heparan sulfate: regulator of leukotriene generation in mouse E-mast cells. Shalit M, et al. Life Sci 1986 Sep 8;39(10):903–10

Maitotoxin, a calcium channel activator, increases prolactin release from rat pituitary tumor 7315a cells by a mechanism that may involve leukotriene production. Koike K, et al. Neuroendocrinology 1986;43(3):283–90

Leukotriene C4 production by murine mast cells: evidence of a role for extracellular leukotriene A4. Dahinden CA, et al. Proc Natl Acad Sci USA 1985 Oct;82(19):6632–6

The effects of dietary intake of essential fatty acids on prostaglandin and leukotriene synthesis. Higgs GA. Proc Nutr Soc 1985 Jul;44(2):181–7

Studies with inhibitors of sulfidopeptide leukotriene synthesis. Bach MK, et al. Prog Clin Biol Res 1985;199:85–99

Intraperitoneal injection of zymosan in mice induces pain, inflammation and the synthesis of peptidoleukotrienes and prostaglandin E2. Doherty NS, et al. Prostaglandins 1985 Nov;30(5):769–89

Ethanol stimulates formation of leukotriene C4 in rat gastric mucosa. Peskar BM, et al. Prostaglandins 1986 Feb; 31(2):283–93

Dietary fat and cholesterol modification of rat abdominal aorta prostacyclin and leukotriene production (in vitro). Blankenship JW, et al. Prostaglandins Leukotrienes Med 1986 Jul;23(1):45–52

Leukotrienes as mediators in tissue trauma. Denzlinger C, et al. Science 1985 Oct 18;230(4723):330–2

BLOOD

Evidence for leukotriene B4 receptors in human neutrophils. Gorman RR, et al. Adv Prostaglandin Thromboxane Leukotriene Res 1985; 15:661–5

Enhanced formation of sulfidopeptide-leukotrienes in ulcerative colitis and Crohn's disease: inhibition by sulfasalazine and 5-aminosalicylic acid. Peskar BM, et al. Agents Actions 1986 Jun;18(3–4):381–3

Leukotriene B4 synthesis and metabolism by neutrophils and granule-free cytoplasts. Haines KA, et al. Biochem J 1986 Jan 15;233(2):583–8

Metabolism of leukotriene A4 into C4 by human platelets. Pace-Asciak CR, et al. Biochim Biophys Acta 1986 Jun 11;877(1):68–74

Effect of cations on leukotriene release: requirements for the metabolism of peptido-leukotrienes (leukotrienes C4, D4) by human polymorphonuclear granulocytes. Raulf M, et al. Immunology 1986 Jul;58(3):479–87

Comparative study of solid phase extraction techniques for isolation of leukotrienes from plasma. Salari H, et al. J Chromatogr 1986 May 28;378(1):35–44

Allergen induced histamine release and immunoreactive-leukotriene C4 generation from leukocytes in mite sensitive asthmatic patients. Mita H, et al. Prostaglandins 1986 May;31(5):869–86

On the optimal conditions of LTC4 formation by human eosinophils in vitro. Bruynzeel PL, et al. Prostaglandins Leukotrienes Med 1985 Oct;20(1):11–22

[Significance of leukotrienes in chronic respiratory tract diseases in childhood] Schönfeld W, et al. Klin Wochenschr 1986 Mar 17;64(6):257–64 (Eng. Abstr.) (Ger)

[Release of slow-reacting substance of anaphylaxis from peripheral blood leukocytes challenged with a specific antigen (mite) in patients with atopic bronchial asthma] Yasuda Y, et al. Arerugi 1986 Mar;35(3):188–94 (Eng. Abstr.) (Jpn)

[Measurement of peripheral venous blood leukotrienes in patients with bronchial asthma] Kitamura S, et al. Nippon Kyobu Shikkan Gakkai Zasshi 1985 Apr;23(4):450–5 (Eng. Abstr.) (Jpn)

[Cigarette smoking and lung metabolism—effect of cigarette smoking on blood level of leukotrienes in healthy volunteers] Uchida Y, et al. Nippon Kyobu Shikkan Gakkai Zasshi 1986 Jan;24(1):16–9 (Eng. Abstr.) (Jpn)

CEREBROSPINAL FLUID

Leukotriene C4 transport and metabolism in the central nervous system. Spector R, et al. J Neurochem 1986 Apr; 46(4):1308–12

CHEMICAL SYNTHESIS

Syntheses of leukotriene analogs. Spur B, et al. Arch Pharm (Weinheim) 1986 Feb;319(2):140–3

IMMUNOLOGY

Leukotrienes as mediators of airway anaphylaxis. Hedqvist P, et al. Adv Prostaglandin Thromboxane Leukotriene Res 1985; 15:345–8

Antiallergic activity of AA-861, a 5-lipoxygenase inhibitor. Maki Y, et al. Adv Prostaglandin Thromboxane Leukotriene Res 1985; 15:349–51

Formation and metabolism of leukotrienes in allergic and carrageenin-induced pleurisies of rats. Tanaka K, et al. Adv Prostaglandin Thromboxane Leukotriene Res 1985; 15:361–3

Production of leukotrienes in human skin and conjunctival mucosa after specific allergen challenge. Bisgaard H, et al. Allergy 1985 Aug;40(6):417–23

Leukotrienes and immediate hypersensitivity. Ann Inst Pasteur Immunol 1985 Sep-Oct;136D(2):221–8

Do leukotrienes fully account for immediate hypersensitivity? Brocklehurst WE. Ann Inst Pasteur Immunol 1985 Sep-Oct;136D(2):177–80

Leukotrienes as mediators of immediate hypersensitivity. Dahlén SE. Ann Inst Pasteur Immunol 1985 Sep-Oct; 136D(2):212–6

Leukotrienes as mediators of immediate hypersensitivity. Fitzpatrick FA. Ann Inst Pasteur Immunol 1985 Sep-Oct; 136D(2):203–5

Leukotrienes and immediate hypersensitivity responses. Israel E, et al. Ann Inst Pasteur Immunol 1985 Sep-Oct; 136D(2):216–9

Mediator network. Murphy RC, et al. Ann Inst Pasteur Immunol 1985 Sep-Oct;136D(2):219–21

Do leukotrienes fully account for immediate hypersensitivity? Robinson C, et al. Ann Inst Pasteur Immunol 1985 Sep-Oct; 136D(2):205–8

Leukotrienes and immediate hypersensitivity. Vargaftig BB. Ann Inst Pasteur Immunol 1985 Sep-Oct;136D(2):175–6

Do leukotrienes account for antigen-induced bronchoconstriction in the guinea-pig? Vargaftig BB. Ann Inst Pasteur Immunol 1985 Sep-Oct;136D(2):180–6

Comparison of cutaneous and bronchial reactivity to leukotriene D4 in humans. Greenberger PA, et al. J Lab Clin Med 1986 Jul;108(1):70–5

[Arachidonic acid metabolites, leukotrienes--mediators of hypersensitivity and inflammation] Konyshev VA, et al. **Biol Nauki** 1985;(12):14–24 (62 ref.) (Eng. Abstr.) **(Rus)**

[Leukotrienes as mediators in allergy] Dahlén SE. **Nord Med** 1986;101(5):144–6 **(Swe)**

ISOLATION & PURIFICATION

High-performance anion-exchange chromatography of leukotrienes. Steffenrud S, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:59–60

Rapid, simple and efficient extraction of arachidonic acid metabolites, including the sulphidopeptide leukotrienes LTC4 and LTD4, using octadecyl reversed-phase extraction columns. Verhagen J, et al. **J Chromatogr** 1986 May 28;378(1):208–14

METABOLISM

Adverse reactions to intravascularly administered contrast media. Olin T. **Acta Radiol [Diagn] (Stockh)** 1986 May–Jun; 27(3):257–63 (69 ref.)

Subclass-specific receptors for sulfidopeptide leukotrienes. Austen KF, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:329–32

Metabolism of leukotriene C4 in rats and humans. Hammarström S, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:185–8

Leukotrienes and related compounds. Samuelsson B. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:1–9

Control of bioconversion of C6 sulfidopeptide leukotrienes by reduced glutathione and L-cysteine in human lung. Sautebin L, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:369–71

Ketotifen, disodium cromoglycate, and verapamil inhibit leukotriene activity: determination by tube leukocyte adherence inhibition assay. Fink A, et al. **Ann Allergy** 1986 Aug;57(2):103–6

In vitro metabolism of [3H]-peptide leukotrienes in human and ferret lung: a comparison with the guinea pig. Aharony D, et al. **Biochem Biophys Res Commun** 1985 Sep 16; 131(2):892–8

Conversion of leukotrienes A4 to C4 in cell-free systems. Wu C. **Biochem Biophys Res Commun** 1986 Jan 14; 134(1):85–92

Role of concentrative leukotriene transport systems in the central nervous system. Spector R, et al. **Biochem Pharmacol** 1986 Sep 1;35(17):2849–53

Formation and metabolism of leukotriene C4 in macrophages exposed to bacterial lipopolysaccharide. Lüderitz T, et al. **Eur J Biochem** 1986 Mar 3;155(2):377–82

Leukotriene C4 metabolism by hepatoma cells deficient in the uptake of cysteinyl leukotrienes. Weckbecker G, et al. **Eur J Biochem** 1986 Feb 3;154(3):559–62

The binding of leukotriene C4 and leukotriene D4 to membranes of a smooth muscle cell line (BC3H1) and evidence that leukotriene induced contraction in these cells is mediated by thromboxane, protein and RNA syntheses. Clark MA, et al. **Eur J Pharmacol** 1985 Oct 22; 116(3):207–20

The inhibition by azatadine of the immunological release of leukotrienes and histamine from human lung fragments. Daniels C, et al. **Eur J Pharmacol** 1986 Apr 29;123(3):463–5

Metabolism of leukotrienes by adult and fetal human lungs. Sirois P, et al. **Exp Lung Res** 1985;9(1–2):17–30

Zymosan enhances leukotriene D4 metabolism by porcine alveolar macrophages. Paterson NA, et al. **Immunology** 1985 Sep;56(1):153–9

Release of leukotriene C4 from human eosinophils and its relation to the cell density. Kajita T, et al. **Int Arch Allergy Appl Immunol** 1985;78(4):406–10

In vivo metabolism of leukotriene C4 in germ-free and conventional rats. Fecal excretion of N-acetylleukotriene E4. Orning L, et al. **J Biol Chem** 1986 Jan 15;261(2):766–71

Identification of a high affinity leukotriene C4-binding protein in rat liver cytosol as glutathione S-transferase. Sun FF, et al. **J Biol Chem** 1986 Jun 25;261(18):8540–6

Release of leukotriene C4 by isolated, perfused rat small intestine in response to platelet-activating factor. Hsueh W, et al. **J Clin Invest** 1986 Jul;78(1):108–14

Oxidative degradation of leukotriene C4 by human monocytes and monocyte-derived macrophages. Neill MA, et al. **J Exp Med** 1985 Nov 1;162(5):1634–44

Subcellular distribution of leukotriene C4 binding units in cultured bovine aortic endothelial cells. Chau LY, et al. **J Immunol** 1986 Sep 15;137(6):1985–92

Release of leukotrienes C4 and B4 and prostaglandin E2 from human monocytes stimulated with aggregated IgG, IgA, and IgE. Ferreri NR, et al. **J Immunol** 1986 Jun 1; 136(11):4188–93

Enteral and systemic release of leukotrienes during anaphylaxis of Nippostrongylus brasiliensis-primed rats. Moqbel R, et al. **J Immunol** 1986 Jul 1;137(1):296–301

Mediator release from human lung under conditions of reduced oxygen tension. Peters SP, et al. **J Pharmacol Exp Ther** 1986 Jul;238(1):8–13

Metabolism of leukotrienes. Hammarström S, et al. **Mol Cell Biochem** 1985 Nov;69(1):7–16 (70 ref.)

Endothelial cells metabolize but do not synthesize leukotrienes. Johnson AR, et al. **Prog Clin Biol Res** 1985; 199:185–96

Modulation of the generation and release of leukotrienes from leukocytes. Lewis RA. **Prog Clin Biol Res** 1985;199:163–72

Bioconversion of leukotriene C4 by rat glomeruli and papilla. Sraer J, et al. **Prostaglandins** 1986 May;31(5):909–21

Difference in the in vitro metabolism of leukotrienes in the exudates from allergic and nonallergic rat pleurisies. Ueno A, et al. **Prostaglandins** 1986 May;31(5):833–50

Cysteinyl leukotrienes undergo enterohepatic circulation. Denzlinger C, et al. **Prostaglandins Leukotrienes Med** 1986 Mar;21(3):321–2

Effect of the beta-2 adrenergic agonist fenoterol on the release of leukotrienes and prostaglandin D2 from human lung parenchyma. Viganò T, et al. **Wien Klin Wochenschr** 1986 Feb 21;98(4):120–22

[Metabolic pathways of arachidonic acid: prostaglandins, thromboxane and leukotrienes] Maclouf J. **Arch Mal Coeur** 1985 Dec;78 Spec No:21–7 (Eng. Abstr.) **(Fre)**

[Leukotriene synthesis by gastrointestinal tissue and its pharmacologic modification] Peskar BM, et al. **Wien Klin Wochenschr** 1986 Feb 21;98(4):98–104 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Leakage of macromolecules from guinea-pig tracheobronchial microcirculation. Effects of allergen, leukotrienes, tachykinins, and anti-asthma drugs. Persson CG, et al. **Acta Physiol Scand** 1986 May;127(1):95–105

Calcium dynamics in stimulation of human polymorphonuclear leukocytes by leukotriene B4. Goldman DW, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:667–9

Leukotrienes and the intracranial circulation. Piper PJ, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:333–7

Effects of leukotrienes on isolated rat glomeruli and cultured mesangial cells. Barnett R, et al. **Am J Physiol** 1986 May; 250(5 Pt 2):F838–44

Vascular and renal effects of leukotriene C4 in conscious rats. Filep J, et al. **Am J Physiol** 1985 Nov;249(5 Pt 2):F739–44

Alteration of chloride secretion across canine tracheal epithelium by lipoxygenase products of arachidonic acid. Leikauf GD, et al. **Am J Physiol** 1986 Jan;250(1 Pt 2):F47–53

Effects of leukotriene C4 on the cerebral microvasculature. Mayhan WG, et al. **Am J Physiol** 1986 Aug;251(2 Pt 2):H471–4

Leukotriene D4 increases pulmonary vascular permeability and pressure by different mechanisms in the rabbit. Farrukh IS, et al. **Am Rev Respir Dis** 1986 Aug;134(2):229–32

Characterization of the airway response to inhaled leukotriene D4 in normal subjects. Kern R, et al. **Am Rev Respir Dis** 1986 Jun;133(6):1127–32

Leukotrienes increase blood-brain barrier permeability following intraparenchymal injections in rats. Black KL, et al. **Ann Neurol** 1985 Sep;18(3):349–51

Leukotrienes stimulate phosphatidylcholine secretion in cultured type II pneumocytes. Gilfillan AM, et al. **Biochim Biophys Acta** 1986 Mar 21;876(1):22–7

Aerosolized and intravenously administered leukotrienes: effects on the bronchoconstrictor potency of histamine in the guinea-pig. Fennessy MR, et al. **Br J Pharmacol** 1986 Apr;87(4):741–9

Thermal and acute-phase protein responses of guinea pigs to intrapreoptic injections of leukotrienes. Mashburn TA Jr, et al. **Brain Res** 1986 Jun 25;376(2):285–91

Modulation of colony stimulating factor-induced murine myeloid colony formation by S-peptido-lipoxygenase products. Ziboh VA, et al. **Cancer Res** 1986 Feb; 46(2):600–3

Inhalation challenge with sulfidopeptide leukotrienes in human subjects. Drazen JM. **Chest** 1986 Mar;89(3):414–9 (30 ref.)

Leukotriene-associated toxic oxygen metabolites induce airway hyperreactivity. Weiss EB, et al. **Chest** 1986 May; 89(5):709–16

Effect of leukotriene D4 on nasal mucosal blood flow, nasal airway resistance and nasal secretion in humans. Bisgaard H, et al. **Clin Allergy** 1986 Jul;16(4):289–97

Human small airway smooth muscle responses in vitro; actions and interactions of methacholine, histamine and leukotriene C4. De Jongste J, et al. **Eur J Pharmacol** 1986 Jun 5;125(1):29–35

Leukotriene C4 is a potent stimulator of LHRH secretion. Gerozissis K, et al. **Eur J Pharmacol** 1986 Feb 11; 121(1):159–60

Leukotriene effects upon the transgastric potential difference and pepsin secretion. Pendleton RG, et al. **Eur J Pharmacol** 1986 Apr 9;123(1):29–36

Effects of various prostaglandins and leukotriene C4 on isolated detrusor muscle in rabbits. Nakanishi H, et al. **Fukushima J Med Sci** 1984;30(2):111–21

Biological actions of leukotrienes. State of the art lecture. Ford-Hutchinson A, et al. **Hypertension** 1986 Jun;8(6 Pt 2):II44–9 (86 ref.)

Interferon modulates the leukotriene C4-induced non-adherence properties of leukocytes: acquisition of an asthmatic phenotype. Fink A, et al. **Immunol Lett** 1985; 10(3–4):159–63

Leukotrienes (LTC4, LTD4) confer glass non-adherence on leukocytes of asthmatic individuals. Dependency on cyclooxygenase products and calcium ion. Fink A, et al. **Immunol Lett** 1985;10(6):319–23

Cyclooxygenase inhibitors promote the leukotriene C4 induced release of beta-glucuronidase from rat peritoneal macrophages: prostaglandin E2 suppresses. Schenkelaars EJ, et al. **Int J Immunopharmacol** 1986;8(3):305–11

Leukotriene modulation of chloride transport in frog cornea. Schaeffer BE, et al. **Invest Ophthalmol Vis Sci** 1986 Jun; 27(6):898–904

Reduction in blood flow in normal and narrowed coronary arteries of dogs by leukotriene C4. Wargovich T, et al. **J Am Coll Cardiol** 1985 Nov;6(5):1047–51

Pulmonary vascular response to leukotriene D4 in unanesthetized sheep: role of thromboxane. Noonan TC, et al. **J Appl Physiol** 1986 Mar;60(3):765–9

Effects of leukotriene D4 on mucociliary and respiratory function in allergic and nonallergic sheep. Russi EW, et al. **J Appl Physiol** 1985 Nov;59(5):1416–22

Leukotriene D4 treatment of bovine aortic endothelial cells and murine smooth muscle cells in culture results in an increase in phospholipase A2 activity. Clark MA, et al. **J Biol Chem** 1986 Aug 15;261(23):10713–8

Inhibition of homogeneous human eosinophil arylsulfatase B by sulfidopeptide leukotrienes. Weller PF, et al. **J Biol Chem** 1986 Feb 5;261(4):1737–44

Influences of cardiovascular drugs on leukotriene D4 action. Fiedler VB. **J Cardiovasc Pharmacol** 1986 May–Jun; 8(3):588–95

Effect of leukotrienes, 12-HETE, histamine, bradykinin, and 5-hydroxytryptamine on in vivo rabbit cerebral arteriolar diameter. Kamitani T, et al. **J Cereb Blood Flow Metab** 1985 Dec;5(4):554–9

Leukotrienes augment interleukin 1 production by human monocytes. Rola-Pleszczynski M, et al. **J Immunol** 1985 Dec;135(6):3958–61

Pharmacological evidence that human intralobar airways do not contain different receptors that mediate contractions to leukotriene C4 and leukotriene D4. Buckner CK, et al. **J Pharmacol Exp Ther** 1986 May;237(2):558–62

Differential effects of methacholine and leukotriene D4 on cyclic nucleotide content and isoproterenol-induced relaxation in the opossum trachea. Torphy TJ, et al. **J Pharmacol Exp Ther** 1986 Apr;237(1):332–40

Effects of forskolin and prostaglandin E1 on leukotriene C- and D-induced plasma exudation in the rat skin. Sugio K, et al. **Life Sci** 1986 Jul 21;39(3):229–33

Effect of leukotrienes C4 and D4 on prostaglandin I2-liberation from human lymphatics. Sinzinger H, et al. **Lymphology** 1986 Jun;19(2):79–81

Airway responsiveness to leukotrienes C4 and D4 and to methacholine in patients with asthma and normal controls. Adelroth E, et al. **N Engl J Med** 1986 Aug 21;315(8):480–4

Leukotrienes C4, D4 and E4 cause widespread and extensive plasma extravasation in the guinea pig. Hua XY, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Aug; 330(2):136–41

Role of cyclooxygenase products in the lung action of leukotrienes A4, B4, C4, D4 and E4. Sirois P, et al. **Pharmacology** 1985;31(4):225–36

Interpretation of dose-response curves for luteinizing hormone release by gonadotropin-releasing hormone, related peptides, and leukotriene C4 according to a hormone/receptor/effector model. Leiser J, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(16):5963–7

Leukotrienes C4 and D4 stimulate human endothelial cells to synthesize platelet-activating factor and bind neutrophils. McIntyre TM, et al. **Proc Natl Acad Sci USA** 1986 Apr;83(7):2204–8

Pulmonary responses to exogenous leukotrienes. Ford-Hutchinson AW, et al. **Prog Clin Biol Res** 1985; 199:199–207

Microcirculatory effects of leukotrienes C4, D4, and E4 in the guinea pig. Hammarström S, et al. **Prog Clin Biol Res** 1985;199:35–46

Pulmonary venous responses to leukotrienes. Kadowitz PJ, et al. **Prog Clin Biol Res** 1985;199:247–57

Absence of direct inotropic effects of peptide leukotrienes in isolated mammalian heart preparations. Lefer AM, et al. **Prog Clin Biol Res** 1985;199:59–70

Effects of exogeneous leukotrienes on the pulmonary circulation. Malik AB, et al. **Prog Clin Biol Res** 1985; 199:221–35

Differences in airway responsiveness to leukotriene D4 in allergic sheep with and without late bronchial responses. Abraham WM, et al. **Prostaglandins** 1986 Mar;31(3):445–55

Leukotrienes and myometrial activity of the term pregnant uterus. Bryman I, et al. **Prostaglandins** 1985 Dec; 30(6):907–13

Effect of leukotrienes, bradykinin and calcium ionophore (A 23187) on bovine endothelial cells: release of prostacyclin. Clark MA, et al. **Prostaglandins** 1986 Jan;31(1):157–66

Electrophysiological consequences of leukotrienes applied on isolated rat retina. Doly M, et al. **Prostaglandins** 1985 Sep; 30(3):457–64

Cyclooxygenase mediated airway response to leukotriene D4 in the cat. Graybar GB, et al. **Prostaglandins** 1986 Jan; 31(1):167–77

Pulmonary microcirculatory responses to leukotrienes B4,

C4 and D4 in sheep. Noonan TC, et al. **Prostaglandins** 1985 Sep;30(3):419–34

Leukotrienes cause eosinophil emigration into conjunctival tissue. Spada CS, et al. **Prostaglandins** 1986 Apr; 31(4):795–809

On the inotropic effects of leukotrienes in the isolated urinary bladder of guinea pigs and rats. Viggiano JM, et al. **Prostaglandins Leukotrienes Med** 1985 Oct;20(1):89–97

Cardiovascular effects of leukotriene C4 and D4 in the anesthetized and conscious domestic hen. Wechsung E, et al. **Prostaglandins Leukotrienes Med** 1986 Apr;22(1):79–87

In vitro and in vivo effect of verapamil on human airway responsiveness to leukotriene D4. Roberts JA, et al. **Thorax** 1986 Jan;41(1):12–6

Leukotrienes potentiate the effects of epinephrine and thrombin on human platelet aggregation. Mehta P, et al. **Thromb Res** 1986 Mar 1;41(5):731–8

[Pharmacology of leukotrienes] Zhang HQ. **Sheng Li Ke Hsueh Chin Chan** 1984 Oct;15(4):333–6 **(Chi)**

[The effects of different inhibitors on bronchoconstriction induced by leukotriene D4 in isolated and perfused guinea pig lung] Trocklé G, et al. **J Pharmacol** 1986 Apr–Jun; 17(2):163–5 (Eng. Abstr.) **(Fre)**

[The effects of different inhibitors on the bronchoconstriction induced by leukotriene D4 in the isolated and perfused guinea pig lung] Trockle G, et al. **J Pharmacol** 1985 Jul–Sep;16(3):227–30 (Eng. Abstr.) **(Fre)**

[Effects of verapamil and propranolol on bronchoconstriction induced by leukotriene D4 in the isolated perfused guinea pig lung] Trockle G, et al. **J Pharmacol** 1985 Oct–Dec; 16(4):454–8 (Eng. Abstr.) **(Fre)**

[Leukotrienes and inflammation] Borgeat P, et al. **Union Med Can** 1985 Aug;114(8):611–7 (96 ref.) **(Eng. Abstr.)** **(Fre)**

[Vasodilating effect of leukotriene C4 and D4 by stimulation of prostacyclin synthesis] Sinzinger H, et al. **Wien Klin Wochenschr** 1986 Feb 21;98(4):107–10 **(Eng. Abstr.)** **(Ger)**

[Sites of airway contractions induced by inhalation of histamine, prostaglandin F2 alpha and leukotriene D4 in asthmatics—investigation by a cross-over method] Maeda Y, et al. **Arerugi** 1985 Nov;34(11):985–93 (Eng. Abstr.) **(Jpn)**

[Coronary vasoconstrictory action of LTD—angiographical documentation of coronary spasm and the evaluation of its mechanism in relation to prostanoids metabolism] **Kaseda N. Kokyu To Junkan** 1986 May;34(5):547–53 (Eng. Abstr.) **(Jpn)**

[Interaction of various leukotrienes in guinea pig tracheal and lung parenchymal strips] Uchida Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 May; 23(5):542–7 (Eng. Abstr.) **(Jpn)**

[Influence of arachidonic acid metabolic inhibitors upon uterine contractions] Chimura T. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Nov; 37(11):2309–14 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Leukotrienes as mediators of human disease. Ford-Hutchinson AW. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:353–5

Cardiac anaphylaxis: Part II: The role of prostaglandins, thromboxanes and leukotrienes in C.A. Da Silva Machado FR, et al. **Allergol Immunopathol (Madr)** 1985 Jul–Aug; 13(4):335–50 (37 ref.)

Leukotrienes and their possible significance for the pathogenesis of asthma. Verhagen J, et al. **Allergol Immunopathol (Madr)** 1985 Nov–Dec;13(6):531–7 (61 ref.)

The role of leukotrienes in asthma. Leitch AG. **Ann Acad Med Singapore** 1985 Jul;14(3):503–7 (53 ref.)

Effect of a Ca2+ antagonist, nifedipine, on the experimental asthma mediated mainly by slow reacting substance of anaphylaxis. Koshino T, et al. **Arzneimittelforschung** 1985; 35(8):1231–6

Leukotrienes as mediators of ischemia and shock. Lefer AM. **Biochem Pharmacol** 1986 Jan 15;35(2):123–7

Coronary vasoconstriction in the rat, isolated perfused heart induced by platelet-activating factor is mediated by leukotriene C4. Piper PJ, et al. **Br J Pharmacol** 1986 Jul; 88(3):595–605

Effects of diethylcarbamazine and cromolyn sodium on hypoxic pulmonary vasoconstriction in dogs. Naeije R, et al. **Bull Eur Physiopathol Respir** 1986 Jan–Feb;22(1):75–80

The mediators of allergic contraction of human airway smooth muscle: a comparison of bronchial and lung parenchymal strip preparations. Creese BR, et al. **Clin Exp Pharmacol Physiol** 1986 Feb;13(2):103–11

Evidence for the role of leukotrienes C4 and D4 as essential intermediates in CSF-stimulated human myeloid colony formation. Miller AM, et al. **Exp Hematol** 1986 Sep; 14(8):760–5

Role of leukotrienes in rat reversed passive Arthus pleurisy and the effect of AA-861, a 5-lipoxygenase inhibitor. Makino H, et al. **Int Arch Allergy Appl Immunol** 1986; 79(1):38–44

Repeatable antigen-induced contractions of isolated guinea pig lung strips are mediated by leukotriene. Robichaud LJ, et al. **Int Arch Allergy Appl Immunol** 1986;80(4):427–30

Role of thromboxane, prostaglandins and leukotrienes in endotoxic and septic shock. Ball HA, et al. **Intensive Care Med** 1986;12(3):116–26 (119 ref.)

Evidence against leukotriene-mediation of propranolol-induced airway hyperreactivity to acetylcholine. Murlas C. **J Pharm Pharmacol** 1986 Jul; 38(7):550–2

Leukotrienes: inflammatory mediators—a review. White RK, et al. **Oral Surg Oral Med Oral Pathol** 1986 May; 61(5):514–8 (18 ref.)

Leukotrienes in cardiovascular and pulmonary function. 26th annual A.N. Richards Symposium. Bala Cynwyd, Pennsylvania, May 6-7, 1985. **Prog Clin Biol Res** 1985; 199:1–270

Vascular actions of leukotrienes. Letts LG, et al. **Prog Clin Biol Res** 1985;199:47–58 (45 ref.)

Leukotrienes in myocardial ischemia. Mullane K, et al. **Prog Clin Biol Res** 1985;199:127–40 (62 ref.)

A. N. Richards lecture. Leukotrienes: possible mediators of disease. Piper PJ. **Prog Clin Biol Res** 1985;199:1–11 (49 ref.)

Leukotrienes in coronary angiopathy of diabetes. Roth DM, et al. **Prog Clin Biol Res** 1985;199:115–25

Interactions between leukotrienes and other eicosanoids. Sirois P, et al. **Prog Clin Biol Res** 1985;199:75–84

Leukotrienes and shock. Zukowska-Grojec Z, et al. **Prog Clin Biol Res** 1985;199:101–13 (37 ref.)

Correlation between the myotropic activity of leukotriene A4 on guinea-pig lung, trachea and ileum and its biotransformation in situ. Sirois P, et al. **Prostaglandins** 1985 Jul;30(1):21–36

Intravenous SRS-induced increases in tracheal mucous gel layer thickness: evidence for thromboxane involvement. Yanni JM, et al. **Prostaglandins** 1986 Jan;31(1):19–32

Evidence for distinct systemic extravasation effects of platelet activating factor, leukotrienes B4, C4, D4 and histamine in the guinea pig. Handley DA, et al. **Prostaglandins Leukotrienes Med** 1986 Mar;21(3):269–77

Prostaglandins, thromboxanes, and leukotrienes in inflammation. Malmsten CL. **Semin Arthritis Rheum** 1985 Nov;15(2 Suppl 1):29–35 (92 ref.)

Navigating the sea of eicosanoids [editorial] Burrall BA, et al. **West J Med** 1985 Oct;143(4):516–7

Prostaglandins, thromboxanes and leukotrienes in clinical medicine. Zipser RD, et al. **West J Med** 1985 Oct; 143(4):485–97 (273 ref.)

[Physiology of the interactions of blood and the blood vessel wall. Role of pharmacologically active lipids] Hemmendinger S, et al. **Arch Mal Coeur** 1985 Dec;78 Spec No:29–36 (Eng. Abstr.) **(Fre)**

[Eicosanoids, vascular function and atherosclerosis] Larrue J, et al. **Arch Mal Coeur** 1985 Dec;78 Spec No:41–8 (Eng. Abstr.) **(Fre)**

[A study on a smooth muscle contracting substance produced in vitro by alveolar macrophages] Ogushi F, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Jun; 23(6):666–73 (Eng. Abstr.) **(Jpn)**

[Role of metabolites of arachidonic acid (prostaglandins and leukotrienes) in allergic reactions] Kraus-Filarska M. **Postepy Hig Med Dosw** 1985 Jul–Aug;39(4):365–82 (61 ref.) (Eng. Abstr.) **(Pol)**

[Role of leukotrienes in shock of immune origin] Sagach VF. **Biull Eksp Biol Med** 1986 Feb;101(2):151–3 (Eng. Abstr.) **(Rus)**

[Leukotrienes and the cardiovascular system] Sagach VF. **Patol Fiziol Eksp Ter** 1986 Jan–Feb;(1):84–9 (72 ref.) **(Rus)**

[Role of the eicosanoids: prostaglandins, prostacyclin, thromboxane and leukotrienes in the pathogenesis of bronchial asthma and other lung diseases] Karaulov AV, et al. **Ter Arkh** 1986;58(3):123–30 (83 ref.) **(Rus)**

SECRETION

Cardiac mast cells: partial purification of guinea-pig atrial mast cells and release from them of histamine and leukotriene C4 by immune and non-immune stimuli. Assem ES, et al. **Agents Actions** 1986 Apr;18(1–2):167–71

Modulation of the release of histamine and arachidonic acid metabolites from human basophils and mast cells by auranofin. Marone G, et al. **Agents Actions** 1986 Apr; 18(1–2):100–2

Release of leukotrienes into the perfusate of calcium-ionophore stimulated rabbit lungs. Influence of 5-lipoxygenase inhibitors. Schulz R, et al. **Biochem Pharmacol** 1986 Jan 15;35(2):183–93

Immunological and non-immunological release of leukotrienes and histamine from human nasal polyps. Salari H, et al. **Clin Exp Immunol** 1986 Mar;63(3):711–7

The release of a leukotriene D4-like substance following myocardial infarction in rabbits. Barst S, et al. **Eur J Pharmacol** 1985 Aug 27;114(3):383–7

Immunological and non-immunological release of leukotrienes and histamine by guinea-pig heart. Salari H. **Immunology** 1986 Jul;58(3):473–8

Characteristics of human basophil sulfidopeptide leukotriene release: releasability defined as the ability of the basophil to respond to dimeric cross-links. MacGlashan DW Jr, et al. **J Immunol** 1986 Mar 15;136(6):2231–9

Alteration of leukotriene release by macrophages ingesting Toxoplasma gondii. Locksley RM, et al. **Proc Natl Acad Sci USA** 1985 Oct;82(20):6922–6

Lung hypersensitivity responses: dissociation of human lung mast cell leukotriene C4 (LTC4) from histamine release. Schulman ES, et al. **Prog Clin Biol Res** 1985;199:209–20

The effects of non-steroidal inhibitors of phospholipase A2 on leukotriene and histamine release from human and guinea-pig lung. Kench JG, et al. **Prostaglandins** 1985 Aug; 30(2):199–208

[Effect of pesticides on the release of histamine, chemotactic factors and leukotrienes from rat mast cells and human basophils] Rohr U, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Dec; 181(6):469–86 (Eng. Abstr.) **(Ger)**

[The effect of vagus nerve stimulation and various drugs on chemical mediator release in anesthetized dogs] Kitamura S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Dec; 23(12):1449–55 (Eng. Abstr.) **(Jpn)**

SSPE VIRUS

DRUG EFFECTS

[Comparative studies on multiplication inhibition activity of human IFN on measles and SSPE viruses] Wu SH, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Apr; 6(2):120–3 (Eng. Abstr.) **(Chi)**

IMMUNOLOGY

Protective effect of measles virus inoculation on subacute sclerosing panencephalitis virus-infected mice. Ohuchi M, et al. **Microbiol Immunol** 1986;30(3):203–11

Further data on the antigenic drift in subacute sclerosing panencephalitis (SSPE). Cernescu C, et al. **Virologie** 1985 Jul–Sep;36(3):155–9

PATHOGENICITY

Round cell variant of measles virus: neurovirulence and pathogenesis of acute encephalitis in newborn hamsters. Carrigan DR. **Virology** 1986 Jan 30;148(2):349–59

PHYSIOLOGY

Effect of interferon on Vero cells persistently infected with SSPE virus and lytically infected with measles virus. Crespi M, et al. **Arch Virol** 1986;90(1–2):87–96

STA-MCA BYPASS see **CEREBRAL REVASCULARIZATION**

STABILIZING AGENTS see **EXCIPIENTS**

STABLE FACTOR see **FACTOR VII**

STACHYBOTRYS see under **HYPHOMYCETES**

STAFF DEVELOPMENT see under **PERSONNEL MANAGEMENT**

STAGGERER MICE see **MICE, NEUROLOGIC MUTANTS**

STAGING, NEOPLASM see **NEOPLASM STAGING**

STAINLESS STEEL

Blood nickel concentrations in patients with stainless-steel hip prostheses. Linden JV, et al. **Ann Clin Lab Sci** 1985 Nov–Dec;15(6):459–64

The influence of tooth preparation and crown manipulation on the mechanical retention of stainless steel crowns. Rector JA, et al. **ASDC J Dent Child** 1985 Nov–Dec; 52(6):422–7

An ultrastructural characterization of the interface between bone and sputtered titanium or stainless steel surfaces. Albrektsson T, et al. **Biomaterials** 1986 May;7(3):201–5

Corrosion of a stainless steel with low nickel content under static conditions. Brune D, et al. **Biomaterials** 1985 Jul; 6(4):265–8

A preliminary investigation of the electrochemical properties of a nitrided stainless steel for dental applications. Watkins KG, et al. **Biomaterials** 1986 Mar;7(2):147–51

The effect of the surface finish of alumina and stainless steel on the wear rate of UHMW polyethylene. Weightman B, et al. **Biomaterials** 1986 Jan;7(1):20–4

Kinetics of the metal components of intratracheally instilled stainless steel welding fume suspensions in rats. Kalliomäki PL, et al. **Br J Ind Med** 1986 Feb;43(2):112–9

Stem fractures of extra-heavy cobra femoral hip prostheses [letter] Wroblewski BM. **Clin Orthop** 1986 Jan;(202):307

The influence of static stress on the corrosion behavior of 316L stainless steel in Ringer's solution. Bundy KJ, et al. **J Biomed Mater Res** 1986 Apr;20(4):493–505

Auger electron spectroscopic studies of stainless-steel implants. Sundgren JE, et al. **J Biomed Mater Res** 1985 Jul–Aug;19(6):663–71

Tracheobronchial tree: expandable metallic stents used in experimental and clinical applications. Work in progress. Wallace MJ, et al. **Radiology** 1986 Feb;158(2):309–12

[Experimental study on biomaterials coated with titanium-nitride ceramic for orthopedics] Suka T. **Nippon Seikeigeka Gakkai Zasshi** 1986 Jun;60(6):637–47 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Effect of steel wire sutures on the incidence of chemically

induced rodent colonic tumours. Phillips RK, et al. **Br J Surg** 1986 Aug;73(8):671–4

A histopathologic comparison of the tissue reaction to prosthetic materials in the knee joint of rats. Uchida S. **Orthopedics** 1985 Oct;8(10):1276–80

[Metal contact eczema, a peculiar case in multiple occupational dermatoses] Grobe JW. **Derm Beruf Umwelt** 1985;33(4):144 **(Ger)**

PHARMACODYNAMICS

[Comparative characteristics of the elasticity and magnitude of the forces of orthodontic wire elesments made of stainless steel and of a titanium nickelide-based alloy] Mirgazizov MZ, et al. **Stomatologiia (Mosk)** 1985 Sep–Oct;64(5):61–4 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Stainless steel wire mesh cranioplasty: ten years' experience with 183 patients (100 followed up). Datti R, et al. **Acta Neurochir (Wien)** 1985;78(3–4):133–5

STAINS AND STAINING

see related
DYES

Alizarin red S-stained bone and cartilage in calcium deficiency provoked by experimental liver injury in rats. Virtanen P, et al. **Acta Anat (Basel)** 1986;125(1):6–9

Lectin-binding affinities of the epithelium in the respiratory tract. A light microscopical study of ciliated epithelium in rat, guinea pig, and hamster. Geleff S, et al. **Acta Histochem (Jena)** 1986;78(1):83–95

Calcofluor white detection of fungi in cytopathology. Monheit JG, et al. **Am J Clin Pathol** 1986 Feb;85(2):222–5

A method for analysis of cell morphology, banded karyotype, and immunoperoxidase identification of lymphocyte subset on the same cell. Teerenhovi L, et al. **Am J Clin Pathol** 1986 May;85(5):602–4

Pulmonary strongyloidiasis. Diagnosis by sputum gram stain. Smith B, et al. **Am J Med** 1985 Nov;79(5):663–6

Effects of decalcification on immunoperoxidase staining. Mukai K, et al. **Am J Surg Pathol** 1986 Jun;10(6):413–9

Quantitative detection of orthophosphate in polyacrylamide gels. Baykov A, et al. **Anal Biochem** 1985 Nov 15; 151(1):13–5

A comparison of silver staining methods for detecting proteins in ultrathin polyacrylamide gels on support film after isoelectric focusing. Butcher LA, et al. **Anal Biochem** 1985 Aug 1;148(2):384–8

Requirement for cysteine in the color silver staining of proteins in polyacrylamide gels. Chuba PJ, et al. **Anal Biochem** 1986 Jul;156(1):136–9

A specific iron stain for iron-binding proteins in polyacrylamide gels: application to transferrin and lactoferrin. Chung MC. **Anal Biochem** 1985 Aug 1; 148(2):498–502

A vital staining method for measuring the efficiency of transfection of eucaryotic cells. Domen J, et al. **Anal Biochem** 1986 Jun;155(2):379–84

Flow cytometric determination of basophils in whole blood with n-propyl Astra Blue iodide. Malin MJ, et al. **Anal Biochem** 1986 Jul;156(1):1–10

A silver stain for the rapid quantitative detection of proteins or nucleic acids on membranes or thin layer plates. Merril CR, et al. **Anal Biochem** 1986 Jul;156(1):96–110

Eosin Y: a reversible stain for detecting electrophoretically resolved protein. Selsted ME, et al. **Anal Biochem** 1986 Jun;155(2):270–4

Staining of elastic tissue by Verhoeff's iron hematoxylin. Pieraggi M, et al. **Ann Pathol** 1986;6(1):74–7

The osmium-ethyl gallate procedure is superior to silver impregnations for mapping neuronal pathways. Leise EM, et al. **Brain Res** 1986 Mar 5;367(1–2):265–72

Transganglionic transport of wheat germ agglutinin-HRP and choleragenoid-HRP in rat trigeminal primary sensory neurons. Robertson B, et al. **Brain Res** 1985 Nov 25; 348(1):44–51

Factors affecting the ultrastructural pattern of anterograde labeling in axon terminals with HRP. Borke RC, et al. **Brain Res Bull** 1986 Feb;16(2):259–65

Light- and electron-microscopic immunocytochemistry and lectin histochemistry of the subcommisural organ: evidence for processing of the secretory material. Rodríguez EM, et al. **Cell Tissue Res** 1986;243(3):545–59

Further observations on prestaining of human serum with Remazol Brilliant Blue [letter] Saoji AM, et al. **Clin Chem** 1985 Dec;31(12):2045–6

Gold staining in cellulose acetate membranes. Righetti PG, et al. **Clin Chim Acta** 1986 Jun 15;157(2):167–74

Effect of differences in saturation sensitivity of phospholipid stains on clinical predictivity of L/S ratios. Spillman T, et al. **Clin Chim Acta** 1985 Oct 31;152(1–2):199–203

Doxorubicin as a fluorescent nuclear marker in tumors of the human nervous system: a simple and reliable staining technique. Bigotte L. **Clin Neuropathol** 1985 Sep–Oct; 4(5):220–6

Immunogold labeling of metaphase cells. Perry PE, et al. **Cytogenet Cell Genet** 1986;41(2):121–5

Heterochromatin in the chromosomes of the gorilla: characterization with distamycin A/DAPI, D287/170, chromomycin A3, quinacrine, and 5-azacytidine. Schmid M, et al. **Cytogenet Cell Genet** 1986;41(2):71–82

Changes in accessibility of DNA to various fluorochromes during spermatogenesis. Evenson D, et al. **Cytometry** 1986 Jan;7(1):45–53

Flow cytometric discrimination of mitotic cells: resolution of M, as well as G1, S, and G2 phase nuclei with mithramycin, propidium iodide, and ethidium bromide after fixation with formaldehyde. Larsen JK, et al. **Cytometry** 1986 Jan;7(1):54–63

Increased silver stainability of metaphase chromosomes from rat hepatocytes during in vivo hepatocarcinogenesis. Kirsch-Volders M, et al. **Experientia** 1985 Sep 15; 41(9):1182–3

Improvement in the staining and in the visualization of the argyrophilic proteins of the nucleolar organizer region at the optical level. Ploton D, et al. **Histochem J** 1986 Jan; 18(1):5–14

1-Naphthol basic dye (1-NBD). An alternative to diaminobenzidine (DAB) in immunoperoxidase techniques. Mauro A, et al. **Histochemistry** 1985;83(2):97–102

The TP-levanol fast cyanine 5RN staining procedure for proteins of the myosin-fibrin group. Fibrin staining and other remarks. Megele R. **Histochemistry** 1985;83(2):171–3

Double immunoenzymatic staining for the simultaneous detection of Epstein-Barr virus induced antigens. Musiani M, et al. **Histochemistry** 1986;84(1):15–7

Conditions for the immunohistochemical demonstration of complement factor C3 in formaldehyde-fixed and paraffin-embedded renal tissues. Svalander C, et al. **Histochemistry** 1986;84(1):81–5

The application of lipid-soluble stains in plastic-embedded sections. van Goor H, et al. **Histochemistry** 1986; 85(3):251–3

Effect of tissue processing on the immunostaining of inflammatory cell surface epitopes identified by monoclonal antibodies. Visa K. **Histochemistry** 1986;84(1):11–4

Stain for spirochetes [letter] Dervan P. **Hum Pathol** 1985 Oct;16(10):1079

Toluidine blue stain for atypical cells [letter] Selden ST. **J Am Acad Dermatol** 1986 Mar;14(3):517

A method for silver staining HMG chromosomal proteins in polyacrylamide electrophoretic gels. Giancotti V, et al. **J Biochem Biophys Methods** 1986 Jun;12(5–6):265–9

The combined use of limited proteolysis and differential peptide staining for protein characterization. Serrano L, et al. **J Biochem Biophys Methods** 1986 Jun;12(5–6):281–7

Use of microwaves for acid and alcohol fast staining. Hafiz S, et al. **J Clin Pathol** 1985 Sep;38(9):1073–6

Golgi and Nissl studies of the visual cortex of the bottlenose dolphin. Garey LJ, et al. **J Comp Neurol** 1985 Oct 15; 240(3):305–21

Uptake and accumulation of the vital dye hydroethidine in neoplastic cells. Bucana C, et al. **J Histochem Cytochem** 1986 Sep;34(9):1109–15

Influence of fixation and decalcification on the immunohistochemical staining of cell-specific markers in paraffin-embedded human bone biopsies. Mullink H, et al. **J Histochem Cytochem** 1985 Nov;33(11):1103–9

Glycogen staining on sections of aqueous-embedded cyanobacteria and muscle. Westphal C, et al. **J Histochem Cytochem** 1985 Nov;33(11):1180–1

Sequential immunostaining (gold/silver) and complete protein staining (AuroDye) on Western blots. Daneels G, et al. **J Immunol Methods** 1986 May 1;89(1):89–91

Labeling of cutaneous sensory nerve endings with axonally transported horseradish peroxidase and wheat germ agglutinin-horseradish peroxidase conjugate: a methodological study in the rat. Aldskogius H, et al. **J Neurosci Methods** 1986 Feb;15(4):281–94

In vivo application of HRP crystals: a new and efficient method for tracing neural connections in insects. Strambi C, et al. **J Neurosci Methods** 1986 Feb;15(4):295–300

An improved EPTA staining method for synapses in rat cerebral cortex cultures. van Huizen F, et al. **J Neurosci Methods** 1985 Sep;14(4):267–71

Analysis of fixation effects on immunohistochemical localization of prostatic specific antigen in human prostate. Sinha AA, et al. **J Urol** 1986 Sep;136(3):722–7

Unusual staining property of human Y-chromosome. Verma RS, et al. **Jikeni Idengaku Zasshi** 1985 Dec;30(4):313–5

Stainability of lung cancer cells with Leu-7 and OKT-9 monoclonal antibodies. Sato Y, et al. **Jpn J Clin Oncol** 1985 Sep;15(3):537–44

Staining of surgical specimens with toluidine blue prior to frozen section examination. Durante B, et al. **Laryngoscope** 1986 May;96(5):575–7

Colloidal gold probes in immunocytochemistry. An optimization of their application in light microscopy by use of silver intensification procedures. Scopsi L, et al. **Med Biol** 1986;64(2–3):139–45

Thionin: spectrophotometry and thin-layer chromatography in relation to biological staining. Allison RT, et al. **Med Lab Sci** 1985 Jul;42(3):213–20

Impaired transport of iron-dextran complex in myelinated central fibers. Nguyen-Legros J, et al. **Neurosci Res** 1985 Oct;3(1):71–8

The inferior colliculus of the mouse. A Nisal and Golgi study. Meininger V, et al. **Neuroscience** 1986 Apr;17(4):1159–79

Improved Movat pentachrome stain. Garvey W, et al. **Stain Technol** 1986 Jan;61(1):60–2

A rocking table for staining electrophoretic gels, nitrocellulose blots and histological slides. Gray ID, et al. **Stain Technol** 1986 Jul;61(4):249–50

Oil red O: comparison of staining quality and chemical components as determined by thin layer chromatography. Stotz E, et al. **Stain Technol** 1986 May;61(3):187–90

Trans-spectral organic dye laser photocoagulation. L'Esperance FA Jr. **Trans Am Ophthalmol Soc** 1985; 83:82–113

Decoration and shadowing of freeze-etched catalase crystals. Bachmann L, et al. **Ultramicroscopy** 1985;16(3–4):305–20

Correlation of surface topography of metal-shadowed specimens with their negatively stained reconstructions. Buhle EL Jr, et al. **Ultramicroscopy** 1985;16(3–4):436–50

Comparative electron microscopic studies of single biomolecules negatively stained and freeze-dried metal-shadowed. Tesche B, et al. **Ultramicroscopy** 1985; 16(3–4):423–35

Small round cell neoplasms: can electron microscopy and immunohistochemical studies accurately classify them? Mierau GW, et al. **Ultrastruct Pathol** 1985;9(1–2):99–111

Necropsy techniques. Stains and staining procedures. Andrews JJ. **Vet Clin North Am Food [Food Anim Pract]** 1986 Mar; 2(1):187–92

Staining of retinal neurons in the isolated eyecup by extracellular horseradish peroxidase injection. Amthor FR, et al. **Vision Res** 1986;26(2):269–74

[The histochemical use of alcian green] Krutsay M. **Acta Histochem (Jena)** 1986;78(2):165–72 (Eng. Abstr.) **(Ger)**

[Suitability of specific staining methods for the estimation of beta cell volume in rat pancreas with normal and reduced insulin content] Lucke VS, et al. **Acta Histochem (Jena)** 1985;77(1):107–16 (Eng. Abstr.) **(Ger)**

[Silver impregnation of bone tissue] Krutsay M. **Anat Anz** 1985;160(5):369–71 (Eng. Abstr.) **(Ger)**

[Vital staining of the conjunctiva for prevention of epithelial implantation cysts] Stangler-Zuschrott E, et al. **Klin Monatsbl Augenheilkd** 1985 Oct;187(4):276–8 (Eng. Abstr.) **(Ger)**

[Comparison of various staining technics in the cytologic typing of breast cancers] Wittekind C, et al. **Verh Dtsch Ges Pathol** 1985;69:523–5 (Eng. Abstr.) **(Ger)**

[Silver staining in the detection of urinary protein fractions following polyacrylamide gel electrophoresis] Liszt F, et al. **Z Med Lab Diagn** 1985;26(8):436–40 (Eng. Abstr.) **(Ger)**

[Histochemical studies on the stainability of alum hematoxylin and its staining mechanism] Kaneko K, et al. **Kaibogaku Zasshi** 1985 Aug;60(4):290–301 (Eng. Abstr.) **(Jpn)**

[In vivo origin of the hematoxylin positive of newborn rat epidermis] Takahashi M, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Jan;96(1):39–43 **(Jpn)**

[Isolation and characterization of hematoxylin stain-positive protein of the newborn rat epidermis] Takahashi M, et al. **Nippon Hifuka Gakkai Zasshi** 1985 Jul;95(8):863–8 **(Jpn)**

[New dyes containing gallocyanine for staining histological sections] Faustov LA, et al. **Arkh Patol** 1986;48(5):74–5 (Eng. Abstr.) **(Rus)**

[Expediency of using Amido Black 10B and Coomassie Brilliant Blue R-250 for staining disk electrophoregrams of blood serum] Avrunin AS, et al. **Lab Delo** 1986;(2):100–3 (Eng. Abstr.) **(Rus)**

HISTORY

A brief historical note on staining by hematoxylin and eosin. King DF, et al. **Am J Dermatopathol** 1986 Apr;8(2):168

INSTRUMENTATION

Automated deposition of cellular material on glass slides: Cytopress. Oud PS, et al. **Acta Histochem [Suppl] (Jena)** 1986;32:209–14

Advantages of detecting monoclonal antibody binding to tissue sections with biotin and avidin reagents in Coplin jars. Bindl JM, et al. **Am J Clin Pathol** 1986 Apr;85(4):490–3

METHODS

Light microscopical localization of enzymes by means of cerium-based methods. III. Visualization techniques for cerium phosphate. Halbhuber KJ, et al. **Acta Histochem (Jena)** 1985;77(2):143–9

Double staining technique using a combination of indirect and direct immunofluorescence with monoclonal antibodies. Kupper H, et al. **Acta Histochem (Jena)** 1986; 78(2):185–8

The adult human female urethra. Enzyme-histochemical study. Zaviačič M, et al. **Acta Histochem (Jena)** 1985; 77(2):165–75

Oxidized p-phenylenediamine: observations on the staining reaction in epoxy embedded tissues. Armas-Portela R, et al. **Acta Histochem [Suppl] (Jena)** 1986;32:255–66

Avidin-peroxidase. A new mast cell staining method. Fritz P, et al. **Acta Histochem [Suppl] (Jena)** 1986;32:235–9

Vital staining for cell death in chick limb buds: a histochemical technique in the analysis of control of limb development. Hinchliffe JR, et al. **Acta Histochem [Suppl] (Jena)** 1986;32:159–64

A visible DNA-protein stain: Feulgen-Pararosanilin(SO2) Light Green. Oud PS, et al.

Acta Histochem [Suppl] (Jena) 1986;32:215–9
A simple method for staining of nucleoproteide equivalents in human FL cell chromosomes. Tonew MS.
Acta Morphol Hung 1985;33(3–4):189–202
HOPS: a tetrachrome stain useful in dermatopathology. Chalvardjian A, et al. Am J Dermatopathol 1986 Apr; 8(2):178–9
A sensitive cytochemical staining method for glucose-6-phosphate dehydrogenase (G6PD) activity in individual erythrocytes [letter] Vives Corrons JL, et al. Br J Haematol 1986 Jun;63(2):400–2
Collaterals of corticospinal and pyramidal fibres to the pontine grey demonstrated by a new application of the fluorescent fibre labelling technique. Ugolini G, et al. Brain Res 1986 Feb 19;365(2):211–27
Timm's method modified for human tissue and compatible with adjacent section histofluorescence in the rat. Chafetz MD. Brain Res Bull 1986 Jan;16(1):19–24
A modified harlequin stain for cell kinetics. Pincu M, et al. Cell Tissue Kinet 1986 May;19(3):275–87
In vivo corneal and conjunctival epithelial nuclear stain. Wander AH, et al. Cornea 1985–86;4(1):8–13
A protocol for Papanicolaou staining of cytologic specimens following flow analysis. Berkan TK, et al. Cytometry 1986 Jan;7(1):101–3
Grimelius stain for cytodiagnosis of carcinoid tumor. Ascoli V, et al. Diagn Cytopathol 1986 Apr–Jun;2(2):157–9
Vital staining in fiberoptic bronchoscopy. Varoli F, et al. Endoscopy 1986 Jul;18(4):142–3
Alcian blue staining of cochlear hair cell stereocilia and other cochlear tissues. Santi PA, et al. Hear Res 1986; 23(2):153–60
Quantitation of dye binding by cell monolayers in a microtiter system. Barer MR, et al. Histochem J 1986 Feb–Mar; 18(2–3):122–8
Standardized methyl green–pyronin Y procedures using pure dyes. Høyer PE, et al. Histochem J 1986 Feb–Mar; 18(2–3):90–4
A simple method for embedding small specimens for photomicrography and sectioning following intracellular microiontophoresis of lucifer yellow CH. Jones CJ. Histochem J 1986 Feb–Mar;18(2–3):105–8
Staining of Mycobacterium leprae in epoxy resin sections. Brasil KE. J Clin Pathol 1986 Jan;39(1):111–2
An improved periodic acid–thiosemicarbazide–osmium technique to reveal glycoconjugates at the molecular level in situ. Derenzini M, et al. J Histochem Cytochem 1986 Sep;34(9):1161–70
Simultaneous demonstration of lectin-binding sites and antigens detected by monoclonal antibodies in a parallelized double-staining technique: a highly discriminative and quickly developing technique for frozen sections. Mechtersheimer G, et al. J Histochem Cytochem 1986 Mar; 34(3):399–402
An improved method of antigen detection on nitrocellulose: in situ staining of alkaline phosphatase conjugated antibody. Dao ML. J Immunol Methods 1985 Oct 10;82(2):225–31
Sequential histochemical staining for resident and recruited macrophages. Bugelski PJ. J Leukocyte Biol 1985 Dec; 38(6):687–96
Some limitations of the use of tannic acid as a marker of damaged skeletal muscle fibres. Cottell DC, et al. J Microsc 1985 Sep;139 (Pt 3):331–4
Differential staining of dead and dying embryonic cells with a simple new technique. Martin-Partido G, et al. J Microsc 1986 Apr;142 (Pt 1):101–6
Double-staining techniques allows electrophysiological identification of monoamine-containing neurons. Audesirk TE, et al. J Neurosci Methods 1985 Aug;14(3):207–10
In vitro labeling of axonal projections in the mammalian central nervous system. Bernardo KL, et al. J Neurosci Methods 1986 Apr;16(2):89–101
Quantitative histochemistry of acetylcholinesterase in rat and human brain postmortem. Biegon A, et al. J Neurosci Methods 1986 Mar;16(1):39–45
Differential staining of different types of peripheral nerve and muscle. Butler R, et al. J Neurosci Methods 1986 Jun; 16(4):265–76
Intracellular fluorescent staining with carboxyfluorescein: a rapid and reliable method for quantifying dye-coupling in mammalian central nervous system. Rao G, et al. J Neurosci Methods 1986 Jun;16(4):251–63
Differential bleaching of bile and melanin pigments. Green TL, et al. J Oral Med 1985 Oct–Dec;40(4):206–7
Evaluation of PAS–diastase and carcinoembryonic antigen staining in the differential diagnosis of malignant mesothelioma and papillary serous carcinoma of the ovary. Silcocks PB, et al. J Pathol 1986 Jun;149(2):133–41
An abbreviated method of the double lead stain technique. Daddow LY. J Submicrosc Cytol 1986 Jan;18(1):221–4
The pleated sheet: an unusual negative-staining method for transmission electron microscopy of biological macromolecules. Smith CA, et al. J Ultrastruct Res 1984 Nov;89(2):111–22
Improved immunoperoxidase staining on semi-thin sections of epoxy-embedded tissues. Chiu KY, et al. Med Lab Sci 1986 Jan;43(1):93–5
On the differential staining of yeast ascospores. Listemann H. Mykosen 1986 Jan;29(1):35–6
Uptake of the retrograde fluorescent tracer fast blue from the cerebrospinal fluid of the rat. Eisenman LM. Neurosci Lett 1985 Oct 10;60(3):241–6
Labeling of motoneurons supplying the cutaneous maximus muscle in the rat, following injection of the triceps brachii muscle with horseradish peroxidase. Haase P, et al. Neurosci Lett 1985 Oct 10;60(3):313–8
Golgi preparations as a tool in neuropathology with particular reference to investigations of the human telencephalic cortex. Braak H, et al. Prog Neurobiol 1985; 25(2):93–139 (385 ref.)
A rapid silver–free method for staining the myenteric plexus. Goyal RK, et al. Stain Technol 1986 May;61(3):127–34
Improvements in dehydration and cement line staining for methacrylate embedded human bone biopsies. Gruber HE, et al. Stain Technol 1985 Nov;60(6):337–44
Procedure for staining fixed human brain slices. Heller MW, et al. Stain Technol 1986 Mar;61(2):71–3
A combined Bodian–Nissl stain for improved network analysis in neuronal cell culture. Hightower M, et al. Stain Technol 1985 Nov;60(6):315–20
A new and permanent staining method for starch granules using fluorescence microscopy. Revilla MA, et al. Stain Technol 1986 May;61(3):151–4
Silver staining of the neuronal nuclei. Daxnerová Z, et al. Z Mikrosk Anat Forsch 1985;99(5):785–92
Bismuth iodide impregnation of the peripheral nerve fibres. Dolapchieva S, et al. Z Mikrosk Anat Forsch 1985; 99(5):804–12
[Technique for preparing specimens of rabbit aorta for SEM with silver nitrate staining under a physiological pressure fixation process] Feng DM. Chung-hua Ping Li Hsueh Tsa Chih 1985 Mar;14(1):33–4 (Chi)
[Pneumocystis carinii viewed by the optical microscope. Value of the Chalvardjian and Grawe stain] Marty P, et al. Ann Ist Super Sanita 1986;22(1):243–5 (Eng. Abstr.) (Fre)
[Staining of Mycobacterium leprae: comparison between the Lapeyssonnie and Causse technic on the one hand and Thelep's technic on the other in the evaluation of the bacteriological index] Baquillon G, et al. Med Trop (Mars) 1986 Apr–Jun;46(2):161–8 (Eng. Abstr.) (Fre)
[Relation between chemical structure and histochemical qualities of tetrazolium salts] Seidler E. Acta Histochem (Jena) 1986;78(1):73–81 (Eng. Abstr.) (Ger)
[Inhibition of fading in FITC-labelled coverslip preparations] Senkpiel K, et al. Acta Histochem (Jena) 1985;77(2):159–64 (Eng. Abstr.) (Ger)
[Histological staining of fibrin] Krutsay M. Morphol Igazsagugyi Orv Sz 1986 Jul;26(3):218–20 (Eng. Abstr.) (Hun)
[Silver nitrate staining of unconcentrated cerebrospinal fluid proteins. Clinico-statistical analysis of 53 neurology patients] Grimaldi LM, et al. Acta Neurol (Napoli) 1986 Jun;8(3):204–8 (Eng. Abstr.) (Ita)
[Sorting of living and dead cells by flow cytometry—staining principle and basic experiment] Sugita M, et al. Gan No Rinsho 1986 Mar;32(3):268–73 (Eng. Abstr.) (Jpn)
[A new anticancer drug sensitivity test using the microplate culture and surviving tumor cell staining method] Hongo T, et al. Gan To Kagaku Ryoho 1986 Feb;13(2):247–54 (Eng. Abstr.) (Jpn)
[Histopathological investigation of the central nervous system in leprosy. I. Distribution of para-rosanilin positive materials in leprosy with special relation to tissue injury] Yamada N. Nippon Rai Gakkai Zasshi 1984 Jul–Sep; 53(3):67–80 (Eng. Abstr.) (Jpn)
[The effect of early malnutrition and subsequent rehabilitation on brain development. II. Golgi-Cox Study] Yoshida A. No To Hattatsu 1985 Nov;17(6):548–57 (Eng. Abstr.) (Jpn)
[Cytodiagnosis of lung cancer. B. Staining methods] Ikeda H. Rinsho Byori 1986 Mar;34 Spec No 66:214–24 (Jpn)
[Gelatin–methenamine–silver stain for myelinated nerve fibers—new technic and its application] Kataoka M, et al. Rinsho Byori 1986 Jun;34(6):723–8 (Jpn)
[Cerebrospinal fluid protein fractionation using a combination of high resolution agarose gel electrophoresis and silver staining] Ozawa T, et al. Rinsho Byori 1986 Mar; 34(3):291–6 (Jpn)
[Improved method of supravital staining of nerve tissue cultures with methylene blue] Chubakov AR, et al. Arkh Anat Gistol Embriol 1986 Mar;90(3):78–80 (Rus)
[Impregnation of the intrinsic lymphatic bed of an organ by the Ranvier method] Markov II, et al. Arkh Anat Gistol Embriol 1985 Jun;88(6):77–9 (Rus)
[Method of demonstrating follicles of the thyroid gland in marine fish] Zenzerov VS, et al. Arkh Anat Gistol Embriol 1986 Jun;90(6):77–8 (Rus)
[Use of the OTO–method in electron microscopic studies] Morozov IA, et al. Arkh Patol 1986;48(6):82–4 (Eng. Abstr.) (Rus)
[Method of staining for lysosomal cationic proteins in histological paraffin sections of biopsies] Pigarevskiĭ VE, et al. Arkh Patol 1986;48(7):82–4 (Eng. Abstr.) (Rus)
[Selective intravital staining of malignant cells by sodium fluorescein] Vinogradova NG, et al. Dokl Akad Nauk SSSR 1985;285(2):459–62 (Rus)
[Combination of the method of catecholamine fluorescence with the technic of retrograde labeling of neurons] Maĭskiĭ VA, et al. Fiziol Zh 1986 May–Jun;32(3):371–4 (Eng. Abstr.) (Rus)
[Method of staining smears in the rosette formation reaction] Fil'chakov FV, et al. Lab Delo 1985;(10):631–2 (Rus)
[Improved method of protein staining after polyacrylamide gel electrophoresis] Tarasishin LA. Lab Delo 1985;(9):565–6 (Rus)
[A simplified method of preparing and staining smears for the detection of Mycobacterium tuberculosis by the luminescence method] Zhak NF, et al. Lab Delo 1986; (6):364–5 (Eng. Abstr.) (Rus)
[Effect of dye quality and the method of preparing a Schiff reagent on the staining intensity and DNA–fuchsin absorption spectra in performing the Feulgen reaction] Magakian IuA, et al. Tsitologiia 1985 Sep;27(9):1078–85 (Eng. Abstr.) (Rus)
[Use of mercury nitrate solution, Millon (1849), for staining macroscopic brain sections of dogs] Medina HS, et al. Anat Histol Embryol 1985 Sep;14(3):262–8 (Eng. Abstr.) (Spa)
[The value of Gram staining of the urine in acute extrahospital pyelonephritis (letter)] Torné J, et al. Med Clin (Barc) 1986 Jan 11;86(1):39 (Spa)
[Routine staining of cell cultures on coverslips] López Bravo A, et al. Rev Sanid Hig Publica (Madr) 1984 Nov–Dec; 58(11–12):1149–60 (Eng. Abstr.) (Spa)

STAMMERING see **STUTTERING**

STANDARD PREPARATIONS see **REFERENCE STANDARDS**

STANDARDS, REFERENCE see **REFERENCE STANDARDS**

STANFORD–BINET TEST see under **INTELLIGENCE TESTS**

STANNUM see **TIN**

STANOLONE

ADMINISTRATION & DOSAGE

Ontogeny of serum and pituitary gonadotrophins in male rats treated with low doses of 5 alpha-dihydrotestosterone. Karanth S, et al. J Endocrinol 1986 Mar;108(3):369–75
[Comparison of morphological and biochemical indicators of prostatic growth and function in castrated rats receiving separately and simultaneously 5 alpha-dihydrotestosterone and 5 alpha-androstane-3 beta, 17 beta-diol] Sharkevich IN, et al. Probl Endokrinol (Mosk) 1985 Jul–Aug; 31(4):58–61 (Eng. Abstr.) (Rus)

ANALOGS & DERIVATIVES

Effect of 5 alpha-dihydrotestosterone on sexual receptivity and neural progestin receptors in ovariectomized rats given pulsed estradiol. Erskine MS, et al. Biol Reprod 1985 Oct; 33(3):551–9
Effects of trilostane in normotensive and hypertensive rats. Friemann J, et al. Cardiology 1985;72 Suppl 1:122–5
Primary aldosteronism: treatment with trilostane. Winterberg B, et al. Cardiology 1985;72 Suppl 1:117–21
Hormonal changes in postmenopausal women with breast cancer treated with trilostane and dexamethasone. Beardwell CG, et al. Clin Endocrinol (Oxf) 1985 Oct; 23(4):413–21
Binding of [3H]-4,5-secodihydrotestosterone by androgen receptor. Kasal A, et al. Exp Clin Endocrinol 1985 Dec; 86(3):297–9
Female-typical sexual behavior of rhesus and defeminization by androgens given prenatally. Thornton J, et al. Horm Behav 1986 Jun;20(2):129–47
Gonadotrophin suppression by the synthetic androgen mesterolone in idiopathic oligospermia. Bhathena RK, et al. Horm Res 1986;23(4):244–6
Treatment of persistent pubertal gynecomastia with dihydrotestosterone heptanoate. Eberle AJ, et al. J Pediatr 1986 Jul;109(1):144–9
The effects of diethyl-4-methyl-3-oxo-4-aza-5 alpha-androstane-17 beta-carboxamide (4-MA) and (4R)-5,10-SECO-19-norpregna-4,5-diene-3,10,20-trione (SECO) on androgen biosynthesis in the rat testis and epididymis. Cooke GM, et al. J Steroid Biochem 1986 Apr; 24(4):877–86
Androgen receptor affinity chromatography: synthesis and properties of 17 alpha-epoxypropyl-dihydrotestosterone Sepharose. Ray S, et al. J Steroid Biochem 1986 Jun; 24(6):1111–5
Effect of trilostan on steroid excretion in man: compensated inhibition of 3 beta-hydroxysteroid dehydrogenase. Vierhapper H, et al. J Steroid Biochem 1986 Feb; 24(2):577–80
Trilostane for Cushing's syndrome. Med Lett Drugs Ther 1985 Oct 11;27(698):87–8

ANALYSIS

Androgen and estradiol levels in plasma and amniotic fluid of late gestational male and female hamsters: uterine position effects. Vomachka AJ, et al. Horm Behav 1986 Jun;20(2):181–93
Autoradiographic localization of tritium-labeled

dihydrotestosterone in human vas deferens. Beckman WC Jr, et al. **J Androl** 1986 May-Jun;7(3):197-202

BIOSYNTHESIS

Epidermal keratinocytes: a source of 5 alpha-dihydrotestosterone production in human skin. Milewich L, et al. **J Clin Endocrinol Metab** 1986 Apr; 62(4):739-46

Changes in ovarian steroidogenesis in prepuberal rats induced to ovulate by low doses of human chorionic gonadotrophin. Uilenbroek JT, et al. **J Endocrinol** 1985 Oct;107(1):113-9

BLOOD

Pharmacological induction of 5 alpha-reductase deficiency in the rat: separation of testosterone-mediated and 5 alpha-dihydrotestosterone-mediated effects. Blohm TR, et al. **Endocrinology** 1986 Sep;119(3):959-66

Seasonal variations in spermatogenesis, testicular weights, vasa deferentia, and androgen levels in neotenic male tiger salamanders, Ambystoma tigrinum. Norris DO, et al. **Gen Comp Endocrinol** 1985 Oct;60(1):51-7

Sex hormones and stress in the human male. Christiansen K, et al. **Horm Behav** 1985 Dec;19(4):426-40

Effects of castration on androstenedione, testosterone and dihydrotestosterone plasma levels in adult male rats. Andò S, et al. **Horm Res** 1986;23(2):122-7

The temperature dependence of the binding of 5 alpha-dihydrotestosterone, testosterone and estradiol to the sex hormone globulin (SHBG) of human plasma. Shanbhag VP, et al. **J Steroid Biochem** 1986 Feb;24(2):549-55

DIAGNOSTIC USE

Autoradiographic studies with 3H dihydrotestosterone in the brain of sex reversed mice, heterozygous for androgen insensitive testicular feminization (Tfm). A comparison with normal female mice and sex reversed male mice. Schleicher G, et al. **Histochemistry** 1986;84(1):23-9

METABOLISM

Human male sexual functions do not require aromatization of testosterone: a study using tamoxifen, testolactone, and dihydrotestosterone. Gooren LJ. **Arch Sex Behav** 1985 Dec; 14(6):539-48

Clinical application of dihydrotestosterone (DHT) binding assay of cultured skin fibroblasts for the prospective differential diagnosis of testicular feminization syndrome (TFS). Wakimoto H, et al. **Asia Oceania J Obstet Gynaecol** 1985 Sep;11(3):411-9

Evidence for a granulosa cell site of dihydrostestosterone metabolism in the adult rat ovary. Jarrell J, et al. **Biol Reprod** 1985 Dec;33(5):1207-12

Target cells for dihydrotestosterone in the guinea pig pituitary gland. Herbert DC, et al. **Brain Res** 1986 Jan 8; 362(2):318-21

Dihydrotestosterone metabolism. Toscano V. **Clin Endocrinol Metab** 1986 May;15(2):279-92 (49 ref.)

Regional differences in the testosterone to dihydrotestosterone ratio in the epididymis and vas deferens of adult mice. Jean-Faucher C, et al. **J Reprod Fertil** 1986 Mar;76(2):537-43

The distribution, nuclear uptake and metabolism of [3H]dihydrotestosterone in the brain, pituitary gland and genital tract of the male rhesus monkey. Bonsall RW, et al. **J Steroid Biochem** 1985 Oct;23(4):389-98

Production and metabolism of dihydrotestosterone in peripheral tissues. Longcope C, et al. **J Steroid Biochem** 1985 Oct;23(4):415-9

Reduction in prostatic concentration of endogenous dihydrotestosterone in rats by hyperprolactinemia. Lee C, et al. **Prostate** 1985;6(4):361-7

PHARMACODYNAMICS

Regulation of functional mRNA levels for trypsin-like esteroproteases by 5 alpha-dihydrotestosterone and triiodothyronine in mouse submandibular salivary gland. Takuma T, et al. **Arch Oral Biol** 1985;30(10):727-30

Depression of alcohol dehydrogenase activity in rat hepatocyte culture by dihydrotestosterone. Mezey E, et al. **Biochem Pharmacol** 1986 Jan 15;35(2):335-9

Evaluation of androgen action on fibroblast growth by flow cytometry. Loire C, et al. **Biol Cell** 1986;56(1):89-92

Negative feedback regulation of gonadotropin secretion by androgens in fetal rhesus macaques. Resko JA, et al. **Biol Reprod** 1985 Sep;33(2):346-52

Effects of intermittent pulsatile infusion of luteinizing hormone-releasing hormone on dihydrotestosterone-suppressed gonadotropin secretion in castrate rams. Schanbacher BD. **Biol Reprod** 1985 Oct; 33(3):603-11

Androgen and progesterone effects on follicle-stimulating hormone and luteinizing hormone secretion in anestrous mares. Thompson DL Jr, et al. **Biol Reprod** 1986 Feb; 34(1):51-7

The effects of androgens and gonadotropins on testicular development in the prepubertal rat. Kennedy RI, et al. **Can J Comp Med** 1985 Jul;49(3):333-6

Protective effect of testosterone or 5 beta-dihydrotestosterone pretreatment on CFU-E numbers in busulfan-treated rabbits. Mödder B, et al. **Cancer Chemother Pharmacol** 1985;15(3):236-9

Proliferative response of mouse submandibular gland to androgen but not to thyroid hormone. Okamoto S, et al. **Cell Tissue Kinet** 1985 Nov;18(6):583-8

Induction of ear wiggling in the estrous female rat by gonadectomized rats treated with androgens and estrogens. Vreeburg JT, et al. **Horm Behav** 1985 Sep;19(3):231-6

Androgen and estradiol effects on gonadotropin secretion and response to GnRH in ovariectomized pony mares. Garza F Jr, et al. **J Anim Sci** 1986 Jun;62(6):1654-9

Androgen-induced alterations in vocalizations of female Xenopus laevis: modifiability and constraints. Hannigan P, et al. **J Comp Physiol [A]** 1986 Apr;158(4):517-27

Evidence for a direct effect of androgens upon electroreceptor tuning. Keller CH, et al. **J Comp Physiol [A]** 1986 Apr;158(3):301-10

Effects of a prenatal androgen peak on rat brain sexual differentiation. Perakis A, et al. **J Endocrinol** 1986 Feb; 108(2):281-5

Sexual differences and steroid-induced changes in metabolic activity in toadfish sonic muscle. Pennypacker KR, et al. **J Exp Zool** 1985 Dec;236(3):259-64

The effects of sex steroid treatments on sexual differentiation in a unisexual lizard, Cnemidophorus uniparens (Teiidae). Billy AJ, et al. **J Morphol** 1986 Feb;187(2):129-42

Stimulation of aromatase activity by dihydrotestosterone in human skin fibroblasts. Chabab A, et al. **J Steroid Biochem** 1986 Jul;25(1):165-9

Stimulation of hypothalamic LHRH levels and release by gonadal steroids. Kalra PS. **J Steroid Biochem** 1985 Nov; 23(5B):725-31

The effect of infusions of 5 alpha-dihydrotestosterone or estradiol-17 beta on the concentration of some steroids in the human testicular vein and artery. Tamm J, et al. **J Steroid Biochem** 1985 Sep;23(3):373-4

Long-term transdermal dihydrotestosterone therapy: effects on pituitary gonadal axis and plasma lipoproteins. Vermeulen A, et al. **Maturitas** 1985 Sep;7(3):281-7

Effect of advanced age on the induction by androgen or thyroid hormone of epidermal growth factor and epidermal growth factor mRNA in the submandibular glands of C57BL/6 male mice. Gresik EW, et al. **Mech Ageing Dev** 1986 Apr;34(2):175-89

Comparison of the antiandrogenic/androgenic activities of flutamide, cyproterone acetate and megestrol acetate. Poyet P, et al. **Mol Cell Endocrinol** 1985 Oct;42(3):283-8

Testosterone is more effective than dihydrotestosterone plus estradiol in activating sexual behavior in old male rats. Chambers KC, et al. **Neurobiol Aging** 1986 Mar-Apr; 7(2):127-32

Sexual behaviors of aging female rats: influence of age and hormonal state of male partners. Chambers KC, et al. **Neurobiol Aging** 1986 May-Jun;7(3):165-71

Effects of gonadal steroids on melanocytes in developing hamsters. Diaz LC, et al. **Pediatr Dermatol** 1986 Jun; 3(3):247-56

Comparison of the effects of testosterone and dihydrotestosterone on the behavior of male cynomolgus monkeys (Macaca fascicularis). Michael RP, et al. **Physiol Behav** 1986;36(2):349-55

Dihydrotestosterone (DHT) uncouples cell interactions in developing lung. Torday J. **Prog Clin Biol Res** 1986; 217B:425-8

Effect of estrogen and androgen administration on alpha-difluoromethylornithine-enhanced putrescine uptake by the rat prostate. Kadmon D, et al. **Prostate** 1985; 6(4):343-9

A wide range of sensitivities to androgens develops in cloned Shionogi mouse mammary tumor cells. Labrie F, et al. **Prostate** 1986;8(3):293-300

[Inhibin activity of the organs of the male reproductive system in rats treated with dihydrotestosterone] Gladkova AI. **Biull Eksp Biol Med** 1986 Apr;101(4):487-8 (Eng. Abstr.) (Rus)

[Effect of testosterone and dihydrotestosterone on the sexual behavior of female rats] Gladkova AI, et al. **Farmakol Toksikol** 1986 Jan-Feb;49(1):33-7 (Eng. Abstr.) (Rus)

[Hormonal correction of the sexual nonreceptivity of ovariectomized rats] Gladkova AI, et al. **Patol Fiziol Eksp Ter** 1986 Mar-Apr;(2):58-61 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Nipple differentiation in fetal male rats treated with an inhibitor of the enzyme 5 alpha-reductase: definition of a selective role for dihydrotestosterone. Imperato-McGinley J, et al. **Endocrinology** 1986 Jan; 118(1):132-7

Hyperprolactinemia and male sexual behavior: effects of steroid replacement with estrogen plus dihydrotestosterone. Doherty PC, et al. **Physiol Behav** 1985 Jul;35(1):99-104

TOXICITY

Steroid-induced urogenital tract changes and urine retention in laboratory rodents. Buhl AE, et al. **J Urol** 1985 Dec; 134(6):1262-7

STANOZOLOL

PHARMACODYNAMICS

Changes in plasma osteocalcin concentration following treatment with stanozolol. Couch M, et al. **Clin Chim Acta** 1986 Jul 15;158(1):43-7

The effect of fibrinolytic stimulation by stanozolol on postoperative pulmonary complications. Cuschieri RJ, et al. **Haemostasis** 1985;15(5):353-6

Protein C antigen levels in major abdominal surgery: relationships to deep vein thrombosis, malignancy and treatment with stanozolol. Blamey SL, et al. **Thromb Haemost** 1985 Oct 30;54(3):622-5

THERAPEUTIC USE

Congenital plasminogen deficiency associated with venous thromboembolism: therapeutic trial with stanozolol. Mannucci PM, et al. **Br J Haematol** 1986 Aug;63(4):753-9

Does stanozolol prevent venous ulceration? **Drug Ther Bull** 1985 Nov 18;23(23):91-2

Clinical investigations on long-term activation of fibrinolysis by anabolic steroids. Bielawiec M, et al. **Folia Haematol (Leipz)** 1986;113(1-2):223-9

The effect of increasing fibrinolysis in patients with rheumatoid arthritis: a double blind study of stanozolol. Belch JJ, et al. **Q J Med** 1986 Jan;58(225):19-27

Effect of stanozolol on factors VIII and IX and serum aminotransferases in haemophilia. Greer IA, et al. **Thromb Haemost** 1985 Jun 24;53(3):386-9

STAPEDIUS see under **MUSCLES**

STAPES see under **EAR OSSICLES**

STAPES MOBILIZATION

ADVERSE EFFECTS

[Complications after surgical treatment of otosclerosis] Sekula J, et al. **Otolaryngol Pol** 1986;40(1):1-4 (Eng. Abstr.) (Pol)

METHODS

[Experience with fibrin glue in type-III tympanoplasty with stapes elevation] Haid T, et al. **HNO** 1985 Oct; 33(10):458-62 (Eng. Abstr.) (Ger)

[Experimental stapesplasty with the CO2 laser] Gülzow J, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Apr;65(4):208-12 (Eng. Abstr.) (Ger)

STAPES SURGERY

Rehabilitation of radical mastoidectomy. Filipo R, et al. **Am J Otol** 1986 Jul;7(4):248-52

Pneumocephalus following treatment of a stapes gusher. Flood LM, et al. **Am J Otol** 1985 Nov;6(6):508-11

Comparative study of the clinical results obtained by means of Plastipore and ceramic ossicular prosthesis and bone allografts. Gersdorff MC, et al. **Am J Otol** 1986 Jul; 7(4):294-7

Success of stapedectomy performed by residents. Shapira A, et al. **Am J Otolaryngol** 1985 Sep-Oct;6(5):388-91

Air conduction thresholds after myringoplasty and stapes surgery: a conventional and high frequency audiometric comparison. Mair IW, et al. **Ann Otol Rhinol Laryngol** 1986 Jul-Aug;95(4 Pt 1):327-30

Stapedectomy and vertigo. Birch L, et al. **Clin Otolaryngol** 1985 Aug;10(4):217-23

Hearing improvement after stapedectomy: up to 19 years' follow-up period. Birch L, et al. **J Laryngol Otol** 1986 Jan;100(1):1-7

Is stapedectomy worthwhile before the age of twenty? Ramakrishna TB, et al. **J Laryngol Otol** 1986 Aug; 100(8):879-82

Stapedius reflex after stapedectomy with preservation of the stapedius tendon. Rasmy E. **J Laryngol Otol** 1986 May; 100(5):521-7

Hearing aids poststapedectomy: incidence and timing. Smyth GD, et al. **Laryngoscope** 1986 Apr;96(4):385-8

Stapedectomy for the home temporal bone dissection laboratory. Farrior JB. **Otolaryngol Head Neck Surg** 1986 Apr;94(4):521-5

Stapes prosthesis: evaluation with CT. Swartz JD, et al. **Radiology** 1986 Jan;158(1):179-82

Anatomical variations in relations of stapes and facial canal which affect surgery of otosclerosis. Savić D, et al. **Rev Laryngol Otol Rhinol (Bord)** 1985;106(2):105-8

[Functional results following stapedectomy. A 5-year study] Sprem N, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Feb; 65(2):79-82 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

[Reoperation after stapedectomy] Péré P, et al. **Rev Laryngol Otol Rhinol (Bord)** 1986;107(1):41-4 (Eng. Abstr.) (Fre)

EDUCATION

An instruction method for placing the prosthesis around the incus in stapes surgery. Escajadillo JR, et al. **Otolaryngol Head Neck Surg** 1986 Jun;94(5):652-3

METHODS

Carbon dioxide laser stapedotomy: a histopathologic study. Coker NJ, et al. **Am J Otolaryngol** 1986 Jul–Aug;7(4):253–7

1984 Santa Barbara state-of-the-art symposium on otosclerosis. Results, conclusions, consensus. Smith MF, et al. **Ann Otol Rhinol Laryngol** 1986 Jan–Feb;95(1 Pt 1):1–4

Experimental investigations on the suitability of the carbon dioxide laser for stapedotomy. Thoma J, et al. **Ann Otol Rhinol Laryngol** 1986 Mar–Apr;95(2 Pt 1):126–31

Small fenestra stapedectomy. Bailey HA Jr, et al. **J Arkansas Med Soc** 1986 Jun;83(1):62–4

Malleus to stapes assembly. Janze.. VD. **J Otolaryngol** 1985 Feb;14(1):57–8

A comparison of PORP, TORP, and incus homograft for ossicular reconstruction in chronic ear surgery. Silverstein H, et al. **Laryngoscope** 1986 Feb;96(2):159–65

[Improvement in hearing as a function of type of platinectomy or platinotomy performed in the surgical treatment of otospongiosis] Causse JB, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(6):401–5 (Eng. Abstr.) (Fre)

STAPHYLOCOAGULASE see COAGULASE

STAPHYLOCOCCAL FOOD POISONING

MICROBIOLOGY

Serological detection of enterotoxin from food poisoning strains of Staphylococcus aureus isolated in Malaysia. Lim YS, et al. **Singapore Med J** 1985 Jun;26(3):304–6

PREVENTION & CONTROL

[Public health success in the prevention of foodborne hospital infections] Kuhlmann HJ. **Off Gesundheitswes** 1986 May; 48(5):268 (Ger)

TRANSMISSION

Importance of food handlers as a source of enterotoxigenic staphylococci. Francisco Polledo JJ, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Dec; 181(3–5):364–73

[Illnesses caused by Staphylococcus contaminated Black Forest ham] Schickle-Reim G. **Off Gesundheitswes** 1986 Apr;48(4):209 (Ger)

STAPHYLOCOCCAL INFECTIONS

see related

CROSS INFECTION

Pyomyositis. Dunlay J. **Am Fam Physician** 1986 Sep; 34(3):91–4

Fatal infective endocarditis in a young adult with persistent truncus arteriosus and a bicuspid truncal valve. Eisen R, et al. **Am J Cardiol** 1986 Sep 15;58(7):654–5

Topical vancomycin formulation for methicillin-resistant Staphylococcus epidermidis blepharoconjunctivitis. Fleischer AB, et al. **Am J Ophthalmol** 1986 Mar 15; 101(3):283–7

Bacterial endophthalmitis associated with vitreous wick after penetrating keratoplasty. Maguire LJ, et al. **Am J Ophthalmol** 1985 Dec 15;100(6):854–5

Endophthalmitis and bacterial endocarditis [letter] Lipton JL, et al. **Br J Hosp Med** 1986 May;35(5):352

Chronic primary abscess of the psoas muscle due to Staphylococcus aureus. Sagar SM, et al. **Br J Hosp Med** 1986 Apr;35(4):265–6

Staphylococcal infections in hospital. Shanson DC. **Br J Hosp Med** 1986 May;35(5):312, 314, 318–20

Staphylococcus saprophyticus as a urinary pathogen [letter] Hunter PR, et al. **Br Med J [Clin Res]** 1985 Dec 14; 291(6510):1724

Floppy eyelid syndrome. Easterbrook M. **Can J Ophthalmol** 1985 Dec;20(7):264–5

Efficacy of topical chloramphenicol and tobramycin ophthalmic solutions in preventing severe Staphylococcus aureus keratitis in rabbits. Edwards JG, et al. **Curr Eye Res** 1985 Aug;4(8):821–9

Blepharoconjunctivitis—a clinico microbiological and experimental study. Dayal Y, et al. **Indian J Ophthalmol** 1985 Jan–Feb;33(1):3–8

A case of bacterial spondylodiacitis. Delree M, et al. **J Belge Radiol** 1985;68(6):448–9

Psoas abscess mimicking a septic hip. Diagnosis by computed tomography. Perry J, et al. **J Bone Joint Surg [Am]** 1985 Oct;67(8):1281–3

Protective barrier effect of the posterior lens capsule in exogenous bacterial endophthalmitis: a case report [letter] Gross KA, et al. **J Cataract Refract Surg** 1986 Jul; 12(4):413–4

Prosthetic valve endocarditis developing after an infected scalp laceration. Colley JL, et al. **J Emerg Med** 1985; 3(4):269–74

Sternoclavicular pyarthrosis. Parrer WE. **J Med Soc NJ** 1985 Sep;82(9):735–7

Toxic shock syndrome. Finch R, et al. **J R Coll Physicians Lond** 1985 Oct;19(4):219–23

Arthritis associated with ventriculoatrial shunt. Aelion JA, et al. **J Rheumatol** 1986 Jun;13(3):641–2

Septic arthritis involving the manubriosternal joint. Gruber BL, et al. **J Rheumatol** 1985 Aug;12(4):803–4

Staged surgical treatment of early bacterial endocarditis after surgical repair of tetralogy of Fallot and discrete subaortic stenosis: report of a case. Smolinsky A, et al. **J Thorac Cardiovasc Surg** 1985 Nov;90(5):788–9

Present problems of staphylococcal infections in hospital. Mouton RP. **Neth J Med** 1986;29(3):92–9 (87 ref.)

Changing trends in pediatric septic arthritis. Speiser JC, et al. **Semin Arthritis Rheum** 1985 Nov;15(2):132–8

Spontaneous pyomyositis in a patient with Felty's syndrome: diagnosis using computerized tomography. Lachiewicz PF, et al. **South Med J** 1986 Aug;79(8):1047–8

Chronic osteomyelitis caused by Staphylococcus aureus: controlled clinical trial of nafcillin therapy and nafcillin–rifampin therapy. Norden CW, et al. **South Med J** 1986 Aug;79(8):947–51

[Tampon disease without tampons; toxic shock syndrome in childhood] Bos AP, et al. **Ned Tijdschr Geneeskd** 1985 Jul 27;129(30):1432–6 (Eng. Abstr.) (Dut)

[Late infection following total hip arthroplasty] Suomalainen O, et al. **Duodecim** 1986;102(4):243–6 (Fin)

[Suppurative pyomyositis caused by Staphylococcus aureus (letter)] Bocquet B, et al. **Presse Med** 1986 Jan 25; 15(3):123–4 (Fre)

[Syndromes caused by staphylococcal toxins] Schaad UB. **Schweiz Rundsch Med Prax** 1985 Oct 22;74(43):1175–9 (20 ref.) (Ger)

[Pathogenic bacteria in acute appendicitis] Anargul K, et al. **Vestn Khir** 1985 Jun;134(6):53–5 (Eng. Abstr.) (Rus)

[Primary abscess of the psoas. Clinical case report] Martínez Urrutia MJ, et al. **Arch Esp Urol** 1986 May;39(4):283–6 (Eng. Abstr.) (Spa)

[Non-pneumococcal gram-positive cocci meningitis in the adult. Clinical study of 9 cases] Blanch Torra L, et al. **Rev Clin Esp** 1986 May;178(8):392–5 (Eng. Abstr.) (Spa)

[Primary abscess of the psoas muscle: apropos of a case (letter)] Freire Macías FJ, et al. **Rev Clin Esp** 1986 Feb; 178(3):147–8 (Spa)

[Staphylococcus epidermidis septic osteochondritis in a patient addicted to opiates (letter)] Gabriel Botella F, et al. **Rev Clin Esp** 1986 Apr;178(6):314–5 (Spa)

BLOOD

Relation between in vivo abscess localization and in vitro migration and adherence of neutrophils. Bamberger DM, et al. **J Infect Dis** 1985 Nov;152(5):903–12

[Plasma fibronectin level in newborn infants with suppurative inflammatory diseases] Ermolin GA, et al. **Ter Arkh** 1986; 58(3):102–4 (Eng. Abstr.) (Rus)

CEREBROSPINAL FLUID

Penetration of ciprofloxacin into cerebrospinal fluid. Valainis G, et al. **Eur J Clin Microbiol** 1986 Apr;5(2):206–7

[Penetration of aztreonam and ampicillin to cerebrospinal fluid in the concomitant administration to rabbits with Staphylococcus aureus meningitis] Okura K, et al. **Jpn J Antibiot** 1985 Nov;38(11):3378–86 (Eng. Abstr.) (Jpn)

COMPLICATIONS

Hair bundles: a presentation of folliculitis. Oakley A, et al. **Australas J Dermatol** 1985 Dec;26(3):139–43

Echocardiographic demonstration of free wall vegetative endocarditis complicated by a pulmonary embolism in a patient with ventricular septal defect. Zijlstra F, et al. **Br Heart J** 1986 May;55(5):497–9

A retrospective review of endophthalmitis due to coagulase-negative staphylococci. Bodé DD Jr, et al. **Br J Ophthalmol** 1985 Dec;69(12):915–9

Transient hilar lymphadenopathy due to bacterial endocarditis. Mirvis SE, et al. **Chest** 1986 Mar;89(3):461–3

Staphylococcal infection in median fissure of the lower lip. Evans CD, et al. **Clin Exp Dermatol** 1986 May;11(3):289–91

Consequences of colonization and infection by Staphylococcus aureus in atopic dermatitis. White MI, et al. **Clin Exp Dermatol** 1986 Jan;11(1):34–40

Acute pseudoseptic arthritis and palmoplantar pustulosis. Chamot AM, et al. **Clin Rheumatol** 1986 Jan;5(1):118–23

Bacterial infection of a neurotrophic cornea in an immunocompromised subject. Webb RM, et al. **Cornea** 1985–86;4(1):14–8

Pulmonary mycotic aneurysms secondary to infective endocarditis in a patient with a persistent ductus arteriosus and partial anomalous pulmonary venous drainage. Caplin JL, et al. **Ear Heart J** 1985 Nov;6(11):985–8

Harlequin ichthyosis with empyema thoracis. Thora S, et al. **Indian J Pediatr** 1986 Mar–Apr;53(2):295–8

Toxic shock syndrome in hospitalized patients with Staphylococcus aureus infection [letter] Wiesenthal AM, et al. **Infection** 1986 Mar–Apr;14(2):86

Pustular acne. Piamphongsant T. **Int J Dermatol** 1985 Sep; 24(7):441–3

Recent observations on osteomyelitis in sickle-cell disease. Sadat-Ali M, et al. **Int Orthop** 1985;9(2):97–9

Hypersplenism secondary to a ruptured gallbladder and a pericholecystic abscess that presented as staphylococcal septicemia. Haas GE, et al. **J Am Osteopath Assoc** 1986 Jan;86(1):44–8

Urinary tract infection with septicaemia due to Staphylococcus saprophyticus in a patient with a ureteric calculus [letter] Olafsen LD, et al. **J Infect** 1986 Jul; 13(1):92–3

Septic arthritis in two teenaged hemophiliacs. Scott JP, et al. **J Pediatr** 1985 Nov;107(5):748–51

Nephritis associated with an infected peritoneovenous LeVeen shunt. Salcedo JR, et al. **J Pediatr Gastroenterol Nutr** 1985 Oct;4(5):842–4

Abdominal aortic aneurysm in infancy subsequent to perinephric abscess. Klein RL. **J Pediatr Surg** 1986 May; 21(5):451–3

Management of vascular complications of bacterial endocarditis. Nakayama DK, et al. **J Pediatr Surg** 1986 Jul;21(7):636–9

Necrotising fasciitis (a report of 5 cases). Deodhar SD, et al. **J Postgrad Med** 1985 Jul;31(3):170–2

Disseminated aspergillosis in a patient with staphylococcal toxic shock syndrome. Bouter PK, et al. **Neth J Med** 1986; 29(7):208–11

Dermoid cyst of the spine in childhood. Hagan H 3d, et al. **Orthopedics** 1986 Jan;9(1):107–9

Anterior uveitis associated with septic staphylococcal scarlet fever [letter] Barson WJ. **Pediatr Infect Dis** 1986 May–Jun; 5(3):385–6

Unrecognized staphylococcal pyarthrosis with rheumatoid arthritis. Kraft SM, et al. **Semin Arthritis Rheum** 1985 Feb; 14(3):196–201

Fistulous rheumatism. Bahrt KM, et al. **South Med J** 1986 Jan;79(1):76–8

Staphylococcal infection of a left ventricular aneurysm. Starkey IR, et al. **Thorax** 1986 Feb;41(2):154–5

[Goodpasture's syndrome induced by Staphylococcus aureus septicemia: a report of 2 cases] Zou QY, et al. **Chung Hua Nei Ko Tsa Chih** 1986 May;25(5):287–9, 318 (Eng. Abstr.) (Chi)

[Secondary amyloidosis in rheumatic arthritis during a long-term, regular hemodialysis program complicated by bacterial arthritis] Novák Z, et al. **Vnitr Lek** 1985 Sep; 31(9):858–61 (Eng. Abstr.) (Cze)

[Acute renal insufficiency of glomerular origin and staphylococcal infection. Apropos of 2 pediatric cases] Sinnassamy P, et al. **Ann Pediatr (Paris)** 1986 Mar; 33(3):191–4 (Eng. Abstr.) (Fre)

[Staphylococcal toxic shock, crusted tracheitis and prolonged coma in a young child (letter)] Borderon JC, et al. **Arch Fr Pediatr** 1985 May;42(5):403 (Fre)

[Tricuspid endocarditis with right–left shunt in the atrium] Bru P, et al. **Arch Mal Coeur** 1986 Apr;79(4):511–3 (Eng. Abstr.) (Fre)

[Hyperimmunoglobulinemia E, recurring staphylococcal infections and a defect in granulocyte chemotaxis in adults. A variant of Job's syndrome] Heim ME, et al. **Dtsch Med Wochenschr** 1985 Oct 4;110(40):1535–9 (Eng. Abstr.) (Ger)

[Surgical treatment of aortic regurgitation associated with annular abscess or aneurysm due to bacterial endocarditis] Hiekata T, et al. **Kyobu Geka** 1985 Oct;38(10):815–8 (Eng. Abstr.) (Jpn)

[A case of solitary splenic abscess with splenic infarction] Abe Y, et al. **Nippon Naika Gakkai Zasshi** 1985 Jul; 74(7):932–8 (Jpn)

[Experimental viral–bacterial infections. I. Elaboration of the model of mixed infection with EMC virus and Staphylococcus aureus in mice] Panasiak W, et al. **Med Dosw Mikrobiol** 1985;37(3–4):202–9 (Eng. Abstr.) (Pol)

[An unusual course of peritonitis originating in the umbilicus in a newborn infant] Szostek J, et al. **Wiad Lek** 1986 Feb 15;39(4):269–70 (Eng. Abstr.) (Pol)

[Role of viral and bacterial infections in children with pseudotuberculosis] Bystriakova LV, et al. **Pediatriia** 1986 Mar;(3):14–6 (Eng. Abstr.) (Rus)

[Factors in the development of the protracted and chronic course of infectious enterocolitis in children] Feklisova LV, et al. **Pediatriia** 1986 Mar;(3):12–4 (Eng. Abstr.) (Rus)

[Rhinosinusogenic abscesses of the brain] Blagoveshchenskaia NS, et al. **Vestn Otorinolaringol** 1985 Sep–Oct;(5):33–8 (Eng. Abstr.) (Rus)

[Apico-cervical mastoiditis with abscess of the posterior mediastinum and supraclavicular fossa] Malyshev VA. **Vestn Otorinolaringol** 1985 Nov–Dec;(6):80–1 (Rus)

DIAGNOSIS

Same-day confirmation of Staphylococcus aureus bacteraemia by a thermonuclease test. Bergh K, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1986 Aug; 94(4):291–2

Giant vegetation due to Staphylococcus aureus endocarditis simulating left atrial myxoma. Zee-Cheng CS, et al. **Am Heart J** 1986 Feb;111(2):414–7

Presence of beta-lactamase-producing bacteria and beta-lactamase activity in abscesses. Brook I. **Am J Clin Pathol** 1986 Jul;86(1):97–101

Influence of vegetation size on clinical outcome of right-sided infective endocarditis. Robbins MJ, et al. **Am J Med** 1986 Feb;80(2):165–71

Sources of Staphylococcus epidermidis at the inguinal incision during peripheral revascularization. Bunt TJ. **Am Surg** 1986 Sep;52(9):472–3

Coagulase-negative staphylococcal endocarditis. Occurrence in patients with mitral valve prolapse. Baddour LM, et al. **Arch Intern Med** 1986 Jan;146(1):119–21

Staphylococcus aureus endocarditis. A review of 119 cases. Espersen F, et al. **Arch Intern Med** 1986 Jun;146(6):1118–21

Psoas abscess: ultrasonographic and computed tomographic appearances. Puvaneswary M, et al. **Australas Radiol** 1985 May;29(2):163–6

Uptake of hematoporphyrin derivative by valvular vegetations in experimental infective endocarditis. Spokojny AM, et al. **Circulation** 1985 Nov;72(5):1087–91

Infected total knee arthroplasties. Bliss DG, et al. **Clin Orthop** 1985 Oct;(199):207–14

Posterior leg sepsis associated with pyogenic arthritis of the knee. A report of two cases. Buehler M, et al. **Clin Orthop** 1986 Aug;(209):172–5

Staphylococcal endocarditis and bacteremia. Bisno AL. **Hosp Pract [Off]** 1986 Apr 15;21(4):139–43, 147–9, 153–8

Study of neonatal septicemia. Mishra JN, et al. **Indian Pediatr** 1985 Apr;22(4):281–5

Malignant otitis externa. Pauszek ME. **Indiana Med** 1986 Feb; 79(2):172–3

Coagulase–negative staphylococci in blood cultures: the clinician's dilemma [editorial] Archer GL. **Infect Control** 1985 Dec;6(12):477–8

Clinical and diagnostic features of pulmonary valve endocarditis in the setting of congenital cardiac malformations. Sharma S, et al. **Int J Cardiol** 1985 Dec; 9(4):457–64

Idiopathic submandibular abscesses in children. Blinder D, et al. **Int J Oral Maxillofac Surg** 1986 Jun;15(3):292–5

Enzyme–linked immunosorbent assay for detection of antibodies to Staphylococcus aureus cell walls in experimental osteomyelitis. Jacob E, et al. **J Clin Microbiol** 1985 Oct;22(4):547–52

Magnetic resonance imaging of postdiscogram discitis and osteomyelitis in the lumbar spine: case report. Arrington JA, et al. **J Fla Med Assoc** 1986 Mar;73(3):192–4

Staphylococcus epidermidis–associated enterocolitis. Gruskay JA, et al. **J Pediatr** 1986 Sep;109(3):520–4

Pyomyositis: a differential diagnosis from sarcoma. Reid SE Jr, et al. **J Surg Oncol** 1985 Jul;29(3):143–6

Early diagnosis of bacterial infection of renal allografts by fine needle aspiration biopsy [letter] Surachno S, et al. **Lancet** 1986 Mar 22;1(8482):686–7

Pyogenic sacroiliitis. Shapiro SK, et al. **Minn Med** 1986 Apr; 69(4):201–4

Bugs in the blood: acute staphylococcal septicemia and endocarditis diagnosed by staining the buffy coat. Whitcomb DC. **NC Med J** 1986 Jun;47(6):293–5

Mastitis and toxic shock syndrome (tampon disease). Niessen GJ, et al. **Neth J Surg** 1985 Aug;37(4):101–4

A 45–year–old man with weight loss, fever, chills, and diarrhea [clinical conference] Hirsh D, et al. **NY State J Med** 1985 Sep;85(9):539–47

Pyonephrosis presenting as toxic shock syndrome in infancy. Alpert G, et al. **Pediatr Infect Dis** 1985 Sep–Oct;4(5):561–2

Staphylococcus epidermidis and infection following augmentation mammaplasty [letter] Blue AI. **Plast Reconstr Surg** 1985 Dec;76(6):969

Pyogenic sacroiliitis: another imitator of the acute abdomen. Cohn SM, et al. **Surgery** 1986 Jul;100(1):95–8

[Acute spinal epidural infections due to common pathogens. 23 cases] Leys D, et al. **Presse Med** 1984 Mar 10; 13(10):597–9 (Eng. Abstr.) **(Fre)**

[Joint manifestations disclosing infection of an aorto–aortic prosthesis] Volle L, et al. **Rev Rhum Mal Osteoartic** 1985 Jun;52(6):423–5 **(Fre)**

[Coagulase–positive and coagulase–negative Staphylococci: clinical value of microbiological studies] von Graevenitz A. **Schweiz Rundsch Med Prax** 1985 Oct 22;74(43):1165–7 (Eng. Abstr.) **(Ger)**

[Staphylococcus aureus bacteremia: diagnostic and therapeutic implications (editorial)] Finkelstein R, et al. **Harefuah** 1985 Dec 15;109(12):413–5 **(Heb)**

[Echocardiographic detection of vegetations in the diagnosis of subacute septic endocarditis] Korytnikov KI, et al. **Klin Med (Mosk)** 1985 Oct;63(10):40–7 (Eng. Abstr.) **(Rus)**

[Diagnosis and treatment of non–clostridial anaerobic peritonitis] Shurkalin BK, et al. **Sov Med** 1985;(12):99–102 **(Rus)**

[The Shelley test for determining the sensitization of the body in food poisoning] Andreichin MA, et al. **Vrach Delo** 1985 Dec;(12):96–7 (Eng. Abstr.) **(Rus)**

[Hepatic abscess in a newborn infant] González Rivera F, et al. **An Esp Pediatr** 1985 Jul;23(1):59–61 **(Spa)**

[Multiple staphylococcus aureus liver abscess in a previously healthy adult. Medical treatment] Moreno Guillén S, et al. **Med Clin (Barc)** 1986 Jun 7;87(2):71–2 (Eng. Abstr.) **(Spa)**

[Toxic shock syndrome: presentation of a case] Tàpies Barba A, et al. **Med Clin (Barc)** 1986 Feb 8;86(5):202–4 (Eng. Abstr.) **(Spa)**

[Sternoclavicular arthritis without the usual predisposing factors (letter)] Montejo Baranda M, et al. **Rev Clin Esp** 1985 Oct;177(5):237–8 **(Spa)**

[Tropical pyomyositis—an abscess–forming infection of striated muscle] Grabe M. **Lakartidningen** 1985 Oct 2; 82(40):3385–6 (Eng. Abstr.) **(Swe)**

DRUG THERAPY

Vancomycin pharmacokinetics in neonates [letter] Spivey JM, et al. **Am J Dis Child** 1986 Sep;140(9):859

Development of antibiotic resistance by staphylococcus aureus in a single patient. Confirmation by phage typing, antibiograms, and plasmid analysis. Kozarsky PE, et al. **Am J Med** 1986 Jun;80(6):1208–12

Antibiotics delivered by an implantable drug pump. A new application for treating osteomyelitis. Perry CR, et al. **Am J Med** 1986 Jun 30;80(6B):222–7

Relationship of staphylococcal tolerance, teichoic acid antibody, and serum bactericidal activity to therapeutic outcome in Staphylococcus aureus bacteremia. Rahal JJ Jr, et al. **Am J Med** 1986 Jul;81(1):43–52

Human vitreous levels of selected antistaphylococcal antibiotics. Axelrod JL, et al. **Am J Ophthalmol** 1985 Oct 15;100(4):570–5

Persistent staphylococcal bacteremia in an intravenous drug abuser. Barg NL, et al. **Antimicrob Agents Chemother** 1986 Feb;29(2):209–11

Imipenem therapy of experimental Staphylococcus epidermidis endocarditis. Berry AJ, et al. **Antimicrob Agents Chemother** 1986 May;29(5):748–52

Antimicrobial chemotherapy of septicemia due to methicillin–resistant Staphylococcus aureus. Cafferkey MT, et al. **Antimicrob Agents Chemother** 1985 Dec;28(6):819–23

In vitro and in vivo efficacy of the combination trimethoprim–sulfamethoxazole against clinical isolates of methicillin–resistant Staphylococcus aureus. Elwell LP, et al. **Antimicrob Agents Chemother** 1986 Jun;29(6):1092–4

Imipenem–cilastatin in the treatment of methicillin–sensitive and methicillin–resistant Staphylococcus aureus infections. Fan W, et al. **Antimicrob Agents Chemother** 1986 Jan; 29(1):26–9

Clinical comparative study on the activity of cefamandole in the treatment of serious staphylococcal infections caused by methicillin–susceptible and methicillin–resistant strains. Frongillo RF, et al. **Antimicrob Agents Chemother** 1986 May;29(5):789–96

Enoxacin compared with vancomycin for the treatment of experimental methicillin–resistant Staphylococcus aureus endocarditis. Gilbert M, et al. **Antimicrob Agents Chemother** 1986 Mar;29(3):461–3

Double–blind, placebo–controlled study of oxacillin combined with rifampin in the treatment of staphylococcal infections. Van der Auwera P, et al. **Antimicrob Agents Chemother** 1985 Oct;28(4):467–72

New trends in the chemotherapy of staphylococcal infections. Russo G, et al. **Chemioterapia** 1986 Apr; 5(2):116–9

Chemotherapeutic efficacy of ofloxacin on renal and subcutaneous infection models with Staphylococcus aureus in mice. Fujimoto T, et al. **Chemotherapy** 1986;32(3):291–8

Synergism between gentamicin and mitomycin C in staphylococcal infections in mice. Jacobs JY, et al. **Chemotherapy** 1985;31(5):389–94

Nonsurgical cure of brain abscess in a neonate. Daniels SR, et al. **Childs Nerv Syst** 1985;1(6):346–8

Intravenous vancomycin as initial treatment for gram–positive peritonitis in patients on chronic peritoneal dialysis. Obermiller LE, et al. **Clin Nephrol** 1985 Nov; 24(5):256–60

Clinical efficacy of cefonicid in the treatment of staphylococcal infections. Lentnek AL, et al. **Clin Ther** 1985;7(6):725–32

Clinical inefficacy of tobramycin and gentamicin sulfate in the treatment of ocular infections [letter] Mehta NJ, et al. **Cornea** 1984–85;3(3):228

Fusidic acid in orthopaedic infections due to coagulase–negative staphylococci. Coombs RR, et al. **Curr Med Res Opin** 1985;9(9):587–90

Experimental efficacy and pharmacokinetic properties of cefpiramide, a new cephalosporin. Fu KP, et al. **Drugs Exp Clin Res** 1985;11(11):787–91

Current problems of chemotherapy of infections with coagulase–negative staphylococci. Davies AJ, et al. **Eur J Clin Microbiol** 1986 Jun;5(3):277–81 (46 ref.)

Serum bactericidal titer as a predictor of outcome in endocarditis. Hackbarth CJ, et al. **Eur J Clin Microbiol** 1986 Feb;5(1):93–7

Comparison of fosfomycin and vancomycin therapy for experimental endocarditis due to methicillin–resistant Staphylococcus epidermidis. Rodriguez A, et al. **Eur J Clin Microbiol** 1985 Dec;4(6):603–5

Staphylococcal empyema. Joshi SM, et al. **Indian Pediatr** 1985 Jul;22(7):501–5

Methicillin–resistant Staphylococcus aureus (MRSA): risk and outcome of colonized vs. infected patients. Longfield JN, et al. **Infect Control** 1985 Nov;6(11):445–50

Methicillin–susceptible "methicillin–resistant Staphylococcus aureus": a sheep in wolves' clothing. Peacock JE Jr. **Infect Control** 1986 Mar;7(3):161–3

Experience with cefotaxime in infections caused by gram–positive pathogens, especially Staphylococcus aureus. Fujii R. **Infection** 1985;13 Suppl 1:S9–13

Efficacy of penicillin G, flucloxacillin, cefazolin, fusidic acid, vancomycin, rifampicin and fosfomycin in muscular infections in mice due to Staphylococcus aureus. Haag R. **Infection** 1986 Jan–Feb;14(1):38–43

Bactericidal activity of cefotaxime and fosfomycin in cerebrospinal fluid during the treatment of rabbit meningitis experimentally induced by methicillin–resistant Staphylococcus aureus. Kazmierczak A, et al. **Infection** 1985;13 Suppl 1:S76–80

Treatment of experimental chronic osteomyelitis due to Staphylococcus aureus with teicoplanin. Norden CW, et al. **Infection** 1986 May–Jun;14(3):136–8

Cefotaxime in combination with other antibiotics for the treatment of severe methicillin–resistant staphylococcal infections. Portier H, et al. **Infection** 1985;13 Suppl 1:S123–8

Staphylococcus aureus septicaemia treated with cefotaxime. Shah PM. **Infection** 1985;13 Suppl 1:S34–6

Efficacy of topical mupirocin against an experimental Staphylococcus aureus surgical wound infection. Boon RJ, et al. **J Antimicrob Chemother** 1985 Oct;16(4):519–26

Elimination of nasal carriage of Staphylococcus aureus with mupirocin ('pseudomonic acid')—a controlled trial. Casewell MW, et al. **J Antimicrob Chemother** 1986 Mar; 17(3):365–72

The carrier state: methicillin–resistant Staphylococcus aureus. Casewell MW, et al. **J Antimicrob Chemother** 1986 Jul;18 Suppl A:1–12

Cefamandole for the therapy of serious Staphylococcus aureus infections. Eng RH, et al. **J Antimicrob Chemother** 1985 Nov;16(5):663–6

Cephalosporins, vancomycin, aminoglycosides and other drugs, especially in combination, for the treatment of methicillin–resistant staphylococcal infections. Klastersky J, et al. **J Antimicrob Chemother** 1986 Mar;17 Suppl A:19–24 (19 ref.)

Protein binding of antibiotics does affect their antistaphyloccal activity [letter] Kunin CM. **J Antimicrob Chemother** 1986 Feb;17(2):263

Comparative evaluation of macrolides, lincosamides and streptogramins in staphylococcal infections. Modai J. **J Antimicrob Chemother** 1985 Jul;16 Suppl A:195–7

Comparative efficacy of pefloxacin and six other antimicrobial agents on Staphylococcus aureus experimental abscesses. Rolin O, et al. **J Antimicrob Chemother** 1986 Apr;17 Suppl B:49–52

Evolution and present situation of Staphylococcus aureus sensitivity to MLS in hospital (1975–83). Thabaut A, et al. **J Antimicrob Chemother** 1985 Jul;16 Suppl A:205–7

Activity of teicoplanin in localized experimental infections in rats. Arioli V, et al. **J Hosp Infect** 1986 Mar;7 Suppl A:91–9

Epidemiology and control of the 'modern' methicillin–resistant Staphylococcus aureus. Casewell MW. **J Hosp Infect** 1986 Mar;7 Suppl A:1–11

The demise of the 'old' methicillin–resistant Staphylococcus aureus. Jepsen OB. **J Hosp Infect** 1986 Mar;7 Suppl A:13–7

Treatment of infections due to methicillin–resistant Staphylococcus aureus. Waldvogel FA. **J Hosp Infect** 1986 Mar;7 Suppl A:37–46

In vitro and in vivo study of fosfomycin in methicillin–resistant Staphylococcus aureus septicaemia. Law WY, et al. **J Hyg (Lond)** 1986 Jun;96(3):419–23

Resolution of fever in Staphylococcus aureus septicaemia—retrospective analysis by means of Cusum plot. Walters S, et al. **J Infect** 1986 Jan;12(1):57–63

Teicoplanin compared with vancomycin for treatment of experimental endocarditis due to methicillin–resistant Staphylococcus epidermidis. Galetto DW, et al. **J Infect Dis** 1986 Jul;154(1):69–75

Clindamycin treatment of experimental chronic osteomyelitis due to Staphylococcus aureus. Norden CW, et al. **J Infect Dis** 1986 May;153(5):956–9

Effect of ibuprofen on gross pathology, bacterial count, and levels of prostaglandin E2 in experimental staphylococcal osteomyelitis. Rissing JP, et al. **J Infect Dis** 1986 Oct; 154(4):627–30

Staphylococcus aureus infection of the nose [letter] Egener B. **JAMA** 1986 Mar 7;255(9):1137–8

Bacteriological efficacy of nafcillin and vancomycin alone or combined with rifampicin or amikacin in experimental meningitis due to methicillin–susceptible or –resistant Staphylococcus aureus. Sato K, et al. **Jpn J Antibiot** 1985 Aug;38(8):2155–62

Antibiotic treatment of streptococcal and staphylococcal endocarditis. Report of a working party of the British Society for Antimicrobial Chemotherapy. **Lancet** 1985 Oct 12;2(8459):815–7

Fever during treatment of infective endocarditis. Douglas A, et al. **Lancet** 1986 Jun 14;1(8494):1341–3

Vancomycin penetration of a brain abscess: case report and review of the literature. Levy RM, et al. **Neurosurgery** 1986 May;18(5):632–6

Intraventricular vancomycin: observations of tolerance and pharmacokinetics in two infants with ventricular shunt infections. Pau AK, et al. **Pediatr Infect Dis** 1986 Jan–Feb; 5(1):93–6

Comparative toxicity of gentamicin and cefotetan. Trollfors B, et al. **Scand J Infect Dis** 1986;18(2):139–46

Nalidixic acid and pivmecillinam for treatment of acute lower urinary tract infections. Hovelius B, et al. **Scand J Prim Health Care** 1985 Nov;3(4):227–32

Successful treatment with mezlocillin of a child infected by penicillin G–resistant Staphylococcus aureus. Kanra G, et al. **Turk J Pediatr** 1985 Oct–Dec;27(4):213–7

[Severe staphylococcal infection in children. Study of 28 cases] Hatzis T, et al. **Ann Pediatr (Paris)** 1985 Sep; 32(7):598–605 (Eng. Abstr.) **(Fre)**

[Conservative treatment of a superinfection of the shunt in hydrocephalus. Apropos of a case in a child] Masson G, et al. **Ann Pediatr (Paris)** 1986 Apr;33(4):336–8 (Eng. Abstr.) **(Fre)**

[Value of the aminoglycoside–fosfomycin combination. Apropos of a case of bacterial endocarditis] de Boutin JL, et al. **Pathol Biol (Paris)** 1985 Jun;33(6):684–6 (Eng. Abstr.)

(Fre)
[Structure-activity relationship of semi-synthetic derivatives of the PIA component of pristinamycin] Paris JM, et al. **Pathol Biol (Paris)** 1985 Jun;33(5 Pt 2):493–6 (Eng. Abstr.) (Fre)
[Hospital pathology caused by methicillin-resistant staphylococci] Gibert C, et al. **Presse Med** 1985 Nov 30; 14(41):2081–3 (Fre)
[Fosfomycin–cefotaxime combination in severe staphylococcal infections in newborn infants] Gouyon JB, et al. **Presse Med** 1985 Dec 7;14(42):2135–8 (Eng. Abstr.) (Fre)
[The use of vancomycin in pregnant women (letter)] Lassoued K, et al. **Presse Med** 1985 Nov 16;14(39):2018 (Fre)
[Current treatment of Staphylococcus aureus infections] Bernard E, et al. **Rev Med Interne** 1985 Oct;6(4):455–61 (Eng. Abstr.) (Fre)
[The role of aminoglucoside antibiotics in the therapy of staphylococcal infections] Russo G, et al. **G Ital Chemioter** 1985 May–Aug;32(2):515–9 (Eng. Abstr.) (Ita)
[Staphylococcal epidemic in a dialysis center. Therapeutic and prophylactic efficacy of a single dosage of vancomycin] Salvadori M, et al. **Minerva Urol Nefrol** 1985 Jul–Sep; 37(3):261–4 (Eng. Abstr.) (Ita)
[Effect of mytilan—a polysaccharide from Crenomytilus grayanus—on local suppurative processes] Krylova NF, et al. **Antibiot Med Biotekhnol** 1985 Aug;30(8):600–4 (Eng. Abstr.) (Rus)
[Trypsin, immobilized on a synthetic matrix, in the treatment of suppurative wounds of the soft tissues] Tolstykh PI, et al. **Khirurgiia (Mosk)** 1985 Nov;(11):102–7 (Eng. Abstr.) (Rus)
[Effect of microbial polysaccharides on the course of an experimental inflammatory process in the mandibular area] Arkad'eva GE, et al. **Stomatologiia (Mosk)** 1986 Mar–Apr; 65(2):5–7 (Eng. Abstr.) (Rus)
[Trypsin, immobilized on a textile cellulose matrix, in the treatment of suppurative wounds of soft tissue] Gostishchev VK, et al. **Vestn Khir** 1985 Jun;134(6):68–71 (Eng. Abstr.) (Rus)
[Dioxidine phonophoresis in the treatment of bacterial keratitis and corneal ulcers] Novitskiĭ IIa. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Jul–Aug;(4):55–6 (Rus)
[Experimental and clinical use of various forms of immobilized proteinases and their inhibitors] Gostishchev VK, et al. **Vopr Med Khim** 1985 Jul–Aug;31(4):21–4 (Eng. Abstr.) (Rus)

ETIOLOGY

Late infection of joint prostheses. Dhala AA, et al. **Age Ageing** 1985 Sep;14(5):282–4
Outbreak of bacterial endophthalmitis after cataract surgery and lens implantation: lack of direct evidence for exogenous contributing factors. Klimek JJ, et al. **Am J Infect Control** 1986 Aug;14(4):184–7
Staphylococcus aureus bacteremia in patients on chronic hemodialysis. Quarles LD, et al. **Am J Kidney Dis** 1985 Dec;6(6):412–9
Transfusion-related sepsis after prolonged platelet storage. Anderson KC, et al. **Am J Med** 1986 Sep;81(3):405–11
Fatal bacterial endocarditis as a complication of permanent indwelling catheters. Report of two cases. Power J, et al. **Am J Med** 1986 Jul;81(1):166–8
Nosocomial infections with methicillin and tobramycin resistant Staphylococcus aureus—implication of physiotherapy in hospital-wide dissemination. Rimland D. **Am J Med Sci** 1985 Sep;290(3):91–7
Special studies of the Hickman catheter of a patient with recurrent bacteremia and candidemia. Tchekmedyian NS, et al. **Am J Med Sci** 1986 Jun;291(6):419–24
Toxic shock syndrome following carbon dioxide laser treatment of genital tract condyloma acuminatum. Bowen LW, et al. **Am J Obstet Gynecol** 1986 Jan;154(1):145–6
Susceptibility of laboratory rats, hamsters, and mice to wound infection with Staphylococcus aureus. Donnelly TM, et al. **Am J Vet Res** 1985 Dec;46(12):2634–8
Isotretinoin and Staphylococcus aureus infection. A possible association. Graham ML 2d, et al. **Arch Dermatol** 1986 Jul; 122(7):815–7
Emergence of tobramycin-resistant S. epidermidis possessing aminoglycoside modifying enzymes and bacteremic superinfection during empiric therapy of febrile neutropenic episodes. Riben PD, et al. **Clin Invest Med** 1985;8(4):272–85
Primary septic arthritis of the manubriosternal joint in a heroin user. López-Longo FJ, et al. **Clin Orthop** 1986 Jan; (202):230–1
Staphylococcal infections of the skin and skin structures. Sheagren JN. **Cutis** 1985 Nov 15;36(5A):2–6 (24 ref.)
Catheter sepsis due to coagulase-negative staphylococci in patients on total parenteral nutrition. Capell S, et al. **Eur J Clin Microbiol** 1986 Feb;5(1):40–2
Surgery and granulocyte transfusions for life-threatening infections in chronic granulomatous disease. Fanconi S, et al. **Helv Paediatr Acta** 1985 Sep;40(4):277–84
A prolonged infection after valve replacement. Holder CD. **Hosp Pract [Off]** 1986 May 15;21(5):139–42, 144–6
Infections in cerebrospinal fluid shunts. Upadhyaya P. **Indian J Pediatr** 1985 Jul–Aug;52(417):379–83
The epidemiology and risk factors for nosocomial catheter-associated bacteriuria caused by coagulase-negative staphylococci. Larsen RA, et al. **Infect Control** 1986 Apr;7(4):212–5
Toxic shock in a hospital employee due to methicillin-resistant Staphylococcus aureus [letter] Simmons BP, et al. **Infect Control** 1986 Jul;7(7):350
Subacute bacterial endocarditis following ear acupuncture. Lee RJ, et al. **Int J Cardiol** 1985 Jan;7(1):62–3
Sialadenitis in children. Pershall KE, et al. **Int J Pediatr Otorhinolaryngol** 1986 Apr;11(2):199–203
The influence of skeletal implants on incidence of infection. Experiments in a canine model. Petty W, et al. **J Bone Joint Surg [Am]** 1985 Oct;67(8):1236–44
Staphylococcal peritonitis in patients on continuous peritoneal dialysis. West TE, et al. **J Clin Microbiol** 1986 May;23(5):809–12
Postoperative toxic shock syndrome after reconstructive surgery of the hand. Smith PA, et al. **J Hand Surg [Am]** 1986 May;11(3):399–402
Infections after craniotomy: a retrospective study. van Ek B, et al. **J Infect** 1986 Mar;12(2):105–9
Staphylococcus aureus: biology, mechanisms of virulence, epidemiology. Cohen ML. **J Pediatr** 1986 May;108(5 Pt 2):796–9
Staphylococcus epidermidis in diabetic urological patient. Persky L, et al. **J Urol** 1986 Aug;136(2):466–7
Experimental studies with absorbable and nonabsorbable sutures in infected canine arterial anastomoses. Torsello GB, et al. **J Vasc Surg** 1986 Jan;3(1):135–9
Hickman catheter complications in marrow transplant recipients. Petersen FB, et al. **JPEN J Parenter Enteral Nutr** 1986 Jan–Feb;10(1):58–62
Enterotoxin F (TSST-1) and food poisoning [letter] Devenish J, et al. **Lancet** 1986 Feb 22;1(8478):451
Staphylococcal endocarditis after dental extraction [letter] Etienne J, et al. **Lancet** 1986 Aug 30;2(8505):511–2
Infections associated with subclavian dialysis catheters: the key role of nurse training. Vanherweghem JL, et al. **Nephron** 1986;42(2):116–9
Non-menstruation associated toxic shock syndrome [letter] Lange JM, et al. **Neth J Surg** 1985 Aug;37(4):119
Intervertebral disc infection after lumbar chemonucleolysis: report of a case. Zeiger HE Jr, et al. **Neurosurgery** 1986 May;18(5):616–21
Osteomyelitis of the first rib presenting as a cold abscess nine months after subclavian venous catheterization. Rosenfeld LE. **PACE** 1985 Nov;8(6):897–9
Late purulent pacemaker pocket infection caused by staphylococcus epidermidis: serious complications of in situ management. Ruiter JH, et al. **PACE** 1985 Nov;8(6):903–7
Occult distal ventriculoperitoneal shunt infections. Younger JJ, et al. **Pediatr Infect Dis** 1985 Sep–Oct;4(5):557–8
Potentiation of infection by epinephrine. Tran DT, et al. **Plast Reconstr Surg** 1985 Dec;76(6):933–4
Gram-negative endotoxins and staphylococcal toxic shock syndrome. de Azavedo JC, et al. **Prog Clin Biol Res** 1985; 189:419–32
Bacteremic death: sequel of persistent rhinitis precipitated by intranasal cocaine abuse [letter] Alonso K, et al. **South Med J** 1986 Aug;79(8):1049
Sepsis due to triple lumen central venous catheters. Kelly CS, et al. **Surg Gynecol Obstet** 1986 Jul;163(1):14–6
Toxic shock syndrome associated with diaphragm use. Given WD. **W Va Med J** 1986 Jun;82(6):171–3
[Mycotic aneurysm of the thoracic aorta as a late complication of umbilical artery catheterization] Saabye J, et al. **Ugeskr Laeger** 1986 Apr 28;148(18):1092–3 (Eng. Abstr.) (Dan)
[Etiology and possible prevention of sporadic puerperal breast abscess] Sørensen J, et al. **Ugeskr Laeger** 1986 Jul 28;148(31):1948–51 (Eng. Abstr.) (Dan)
[Postoperative staphylococcal toxic shock. Apropos of 2 cases of orthopedic surgery] Téqui-Rahier B, et al. **Cah Anesthesiol** 1985 Jun–Jul;33(4):325–7 (Fre)
[Psoas abscess after a sub partu pelvic girdle rupture] Wimmer B, et al. **ROFO** 1985 Sep;143(3):360–1 (Ger)
[Staphylococcal infections in implantation surgery—pathogenetic mechanisms] Peters G, et al. **Schweiz Rundsch Med Prax** 1985 Oct 22;74(43):1168–71 (Eng. Abstr.) (Ger)
[Extraction of the electrodes by continuous traction—an effective procedure in treating pacemaker wearers with secondary inflammatory complications] Thiele G, et al. **Z Gesamte Inn Med** 1985 Dec 15;40(24):705–7 (Eng. Abstr.) (Ger)
[Brain abscess in a bidirectional atrial septal defect in adulthood] Röder R, et al. **Z Kardiol** 1985 Sep;74(9):555–9 (Eng. Abstr.) (Ger)
[Staphylococcal septicemia as a complication of percutaneous catheterization of veins] Krzewicki J, et al. **Wiad Lek** 1985 Jul 15;38(14):1020–3 (Eng. Abstr.) (Pol)
[Otogenic staphylococcal septicemia with multiple oto-neuro-ophthalmological complications in an agricultural worker] Ghibuș L, et al. **Rev Chir [Otorinolaringol]** 1985 Oct–Dec;30(4):307–10 (Rum)
[Suppurative mediastinitis caused by hematogenic osteomyelitis of the spine] Fishchenko VIa. **Khirurgiia (Mosk)** 1985 Nov;(11):111–5 (Rus)
[Infected false aneurysm of the deep femoral artery] Gubko AA. **Khirurgiia (Mosk)** 1985 Dec;(12):115–6 (Rus)
[Infected aneurysms of the abdominal aorta] Neugodov IuV, et al. **Khirurgiia (Mosk)** 1986 May;(5):44–6 (Eng. Abstr.) (Rus)
[Putrescent and septic wound complications after appendectomy] Mitiuk II, et al. **Klin Khir** 1986;(4):43–5 (Eng. Abstr.) (Rus)
[Suppurative-destructive complications of acute pneumonia and the principles of their treatment] Barkov VA. **Ter Arkh** 1986;58(4):123–8 (Eng. Abstr.) (Rus)
[Septic endocarditis—a predictable or unpredictable disease? Clinico-immunologic aspects] Gogin EE, et al. **Ter Arkh** 1986;58(3):92–6 (Eng. Abstr.) (Rus)
[Associated autoimmune and immunodeficiency states in a patient with systemic lupus erythematosus complicated by suppurative infection. Clinical and immunological effectiveness of treatment with T-activin and methylxanthines] Stenina MA, et al. **Ter Arkh** 1986; 58(3):105–9 (Rus)
[Coagulase-negative Staphylococcus sacroiliitis in a drug addict (letter)] Collazos González J, et al. **Rev Clin Esp** 1986 Jun;179(1):55–6 (Spa)
[Staphylococcus aureus aortic endocarditis as a complication of an intravenous catheter (letter)] Montejo Baranda M, et al. **Rev Clin Esp** 1985 Nov;177(8):423 (Spa)
[The hyper-IgE syndrome (letter)] González Martín B, et al. **Rev Med Chil** 1985 Mar;113(3):250–2 (Spa)

IMMUNOLOGY

Antibody response against whole Staphylococcus aureus in patients with staphylococcal septicaemia and endocarditis investigated by ELISA. Jarløv JO, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Aug; 93(4):307–13
Coagulase-negative staphylococci as nosocomial pathogens in neonates. The role of host defense, artificial devices, and bacterial hydrophobicity. Fleer A, et al. **Am J Med** 1986 Jun 30;80(6B):161–5
Influence of dietary nucleotide restriction on bacterial sepsis and phagocytic cell function in mice. Kulkarni AD, et al. **Arch Surg** 1986 Feb;121(2):169–72
Susceptibility to bacterial sepsis. Accurate measurement by the delayed-type hypersensitivity skin test score. Tchervenkov JI, et al. **Arch Surg** 1986 Jan;121(1):37–40
Evaluation of the teichoic acid antibody assay using a commercial antigen. Van der Auwera P, et al. **Eur J Clin Microbiol** 1985 Dec;4(6):601–3
Cutaneous infection in normal and immunocompromised mice. Kraft WG, et al. **Infect Immun** 1986 Jun;52(3):707–13
Immunological protection of rabbits infected with Staphylococcus aureus isolates from patients with toxic shock syndrome. Scott DF, et al. **Infect Immun** 1986 Aug; 53(2):441–4
Enzyme-linked immunosorbent assay for detection of Staphylococcus epidermidis antibody in experimental S. epidermidis endocarditis. Espersen F, et al. **J Clin Microbiol** 1986 Feb;23(2):339–42
Induction of interleukin-1 by strains of Staphylococcus aureus from patients with nonmenstrual toxic shock syndrome. Parsonnet J, et al. **J Infect Dis** 1986 Jul; 154(1):55–63
Distinguishing complicated from uncomplicated bacteremia caused by Staphylococcus aureus: the value of "new" and "old" serological tests.Verbrugh HA, et al. **J Infect Dis** 1986 Jan;153(1):109–15
Impairment of antibacterial defense mechanisms of the lung by extrapulmonary infection. White JC, et al. **J Infect Dis** 1986 Feb;153(2):202–8
Protective effect of acidic mannan fraction of bakers' yeast against Staphylococcus aureus infection in mice. Okawa Y, et al. **J Pharmacobiodyn** 1985 Nov;8(11):942–7
Effect of dietary nucleotides on response to bacterial infections. Kulkarni AD, et al. **JPEN J Parenter Enteral Nutr** 1986 Mar–Apr;10(2):169–71
Detecting host response to staphylococcal infection [editorial] **Lancet** 1986 Apr 26;1(8487):953–4
Regulation of mitogenic responses by bovine milk leukocytes. Harp JA, et al. **Vet Immunol Immunopathol** 1986 Mar; 11(3):215–24
[Significance of the determination of teichoic acid antibodies in the diagnosis of Staphylococcus aureus bacteremia] Herzog C, et al. **Schweiz Med Wochenschr** 1986 Mar 15; 116(11):331–5 (Eng. Abstr.) (Ger)
[Treatment of severe combined immune deficiency with fetal thymus and bone marrow transplantation, as well as with thymosin] Timár L, et al. **Orv Hetil** 1986 Jul 13; 127(28):1687–95 (Eng. Abstr.) (Hun)
[Effect of levamisole on selected immunological indicators in patients with chronic post-traumatic osteitis] Goc S, et al. **Chir Narzadow Ruchu Ortop Pol** 1985;50(5):390–5 (Eng. Abstr.) (Pol)
[Effect of the species of the causative agent on immunologic reactions in patients with suppurative surgical infections] Gramenitskiĭ AB, et al. **Khirurgiia (Mosk)** 1986 Jun;(6):24–9 (Eng. Abstr.) (Rus)
[Significance of the initial immunological status of surgical patients for the prognosis of complications] Veselov AIa. **Khirurgiia (Mosk)** 1986 Jun;(6):29–33 (Eng. Abstr.) (Rus)
[Immunological status and the condition of local defense factors in patients with various forms of chronic bronchitis treated by using performed physical factors] Nikolaevskiĭ VV, et al. **Ter Arkh** 1986;58(4):94–7 (Eng. Abstr.) (Rus)

[Various problems of dynamics of the defense mechanisms of the body, the mechanism of development of infection and formation of metastases during infection] Shakina IuG, et al. **Ter Arkh** 1986;58(3):99–101 (Eng. Abstr.) **(Rus)**

[Biological properties and cross-reacting antigens of staphylococcus in allergic vasculitis] Shaposhnikov OK, et al. **Vestn Dermatol Venerol** 1986;(6):4–8 (Eng. Abstr.) **(Rus)**

[Antistaphylococcal immunity in patients with chronic suppurative sinusitis treated with levamisole and intal] Zabolotnyi DI, et al. **Vestn Otorinolaringol** 1985 Nov–Dec; (6):47–9 (Eng. Abstr.) **(Rus)**

[Status of non-specific resistance and immunologic reactivity of the body in pyodermitis] Shaposhnikov OK, et al. **Vopr Med Zh** 1985 Dec;(12):33–6 **(Rus)**

[Effect of a staphylococcal infection on the development of an immune response after physical loading] Omeliusik IL, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Apr; (4):44–9 (Eng. Abstr.) **(Rus)**

[Staphylococcal infection in guinea pigs sensitized with a commercial staphylococcal allergen] Pashutin SB, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Jul;(7):103–6 (Eng. Abstr.) **(Rus)**

[Dynamics of staphylococcal infection in guinea pigs with delayed hypersensitivity to Staphylococcus aureus surface antigens] Pashutin SB, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Sep;(9):77–80 (Eng. Abstr.) **(Rus)**

METABOLISM

Penetration of beta-lactam antibiotics into cardiac vegetations, aorta and heart muscle in experimental Staphylococcus aureus endocarditis: comparison of ceftazidime, cefuroxime and methicillin. McColm AA, et al. **J Antimicrob Chemother** 1985 Sep;16(3):349–58

[Neutral and acid mucopolysaccharides in experimental chronic salpingitis following treatment with sinusoidal modulated currents] Slavelkova O, et al. **Akush Ginekol (Sofiia)** 1986;25(1):49–52 (Eng. Abstr.) **(Bul)**

[Insulin receptor interaction with the plasma membranes of liver and muscle cells in a generalized infection in rats] Morenkova SA. **Patol Fiziol Eksp Ter** 1985 Jul–Aug; (4):43–6 (Eng. Abstr.) **(Rus)**

[Changes in pH of the wound medium in relation to the stage of the wound process in suppurative lactation mastitis] Konstantinov VK, et al. **Vestn Khir** 1985 Aug;135(8):67–70 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Comparative in vitro activity of four beta-lactam antibiotics in surgical wound fluid against staphylococci. Sørensen TS. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Dec; 93(6):379–82

Identification of coagulase-negative Staphylococci isolated from urinary tract infections. Leighton PM, et al. **Am J Clin Pathol** 1986 Jan;85(1):92–5

Methicillin-resistant Staphylococcus aureus bacteremia linked to intravenous drug abusers using a "shooting gallery". Craven DE, et al. **Am J Med** 1986 May;80(5):770–6

Intracardiac infections due to coagulase-negative Staphylococcus associated with Hickman catheters. Quinn JP, et al. **Cancer** 1986 Mar 1;57(5):1079–82

Commercial kit for preliminary identification of Staphylococcus saprophyticus in urine. Christensen KK, et al. **Eur J Clin Microbiol** 1986 Feb;5(1):42–4

Protection by Candida albicans of Staphylococcus aureus in the establishment of dual infection in mice. Carlson E, et al. **Infect Immun** 1985 Dec;50(3):655–9

Neonatal septicemia caused by coagulase-negative staphylococci. Sujov P, et al. **Isr J Med Sci** 1986 Jan; 22(1):29–33

Physiological determination of methicillin resistance in Staphylococcus aureus: comparison of clinical and genetically derived isolates. Heneine N, et al. **J Antimicrob Chemother** 1986 Jun;17(6):705–15

Characteristics of staphylococci isolated from man, poultry and some other animals. Adegoke GO. **J Appl Bacteriol** 1986 Feb;60(2):97–102

Involvement of coagulase-negative staphylococci in toxic shock syndrome. Crass BA, et al. **J Clin Microbiol** 1986 Jan;23(1):43–5

Latex agglutination test for staphylococcal toxic shock syndrome toxin 1. Igarashi H, et al. **J Clin Microbiol** 1986 Mar;23(3):509–12

Association of slime with pathogenicity of coagulase-negative staphylococci causing nosocomial septicemia. Ishak MA, et al. **J Clin Microbiol** 1985 Dec; 22(6):1025–9

Phage types of Staphylococcus aureus received at the Quebec Public Health Laboratory from 1976 to 1983. Jetté LP. **J Clin Microbiol** 1986 Jan;23(1):180–1

Comparison of epidemiologic markers for Staphylococcus epidermidis. Parisi JT, et al. **J Clin Microbiol** 1986 Jul; 24(1):56–60

Autobac susceptibility testing of methicillin-resistant Staphylococcus aureus isolated in an Australian hospital. Putland RA, et al. **J Clin Microbiol** 1985 Nov;22(5):822–7

Encapsulation and capsular types in isolates of Staphylococcus aureus from different sources and relationship to phage types. Sompolinsky D, et al. **J Clin Microbiol** 1985 Nov;22(5):828–34

Biotyping and phage typing of coagulase-negative staphylococci from blood cultures of neonates. Alvarez JS, et al. **J Hosp Infect** 1986 Jul;8(1):64–71

Phage typing of Staphylococcus aureus from cases of bacteraemia [letter] Hunter P. **J Hosp Infect** 1986 Jul; 8(1):104–5

Phage-typing of Staphylococcus aureus from cases of bacteraemia. Martin-Bourgon C. **J Hosp Infect** 1985 Dec; 6(4):429–33

Microbiologic studies of coagulase-negative staphylococci isolated from patients with nosocomial bacteraemias. Ponce de Leon S, et al. **J Hosp Infect** 1986 Mar;7(2):121–9

Usefulness of a test for slime production as a marker for clinically significant infections with coagulase-negative staphylococci. Davenport DS, et al. **J Infect Dis** 1986 Feb; 153(2):332–9

Nosocomial intraabdominal abscesses caused by coagulase-negative staphylococci. Harris LF. **J Infect Dis** 1985 Nov;152(5):1091–2

Slime production as a marker for clinically significant infections with coagulase-negative staphylococci [letter] Kristinsson KG, et al. **J Infect Dis** 1986 Oct;154(4):728–9

Unusual properties of Staphylococcus aureus strains of the new epidemic phage type 95. Rosdahl VT, et al. **J Med Microbiol** 1985 Dec;20(3):325–33

Topical Fucidin [letter] Dealler S, et al. **J R Coll Gen Pract** 1986 Mar;36(284):136

Urinary infection by coagulase-negative staphylococci [letter] Maskell RM. **Lancet** 1971 Dec 4;2(7736):1258–9

Problems with the laboratory identification and evaluation of coagulase-negative staphylococci. Smith JM, et al. **Pathology** 1986 Jan;18(1):148–52

beta-Lactamase production in Staphylococcus aureus isolated from bovine mastitic milk. Jones TO, et al. **Vet Rec** 1985 Sep 28;117(13):340

Species distribution of coagulase-negative staphylococci isolated from clinical sources. Iwantscheff A, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1985 Aug; 260(1):41–50

[Significance of skin colonization with Staphylococcus aureus in atopic dermatitis] Hauser C, et al. **Hautarzt** 1985 Nov; 36(11):605–7 (Eng. Abstr.) **(Ger)**

[Causative spectrum of bacteremia and sepsis: significance for therapy] Ringelmann R, et al. **Immun Infekt** 1986 Feb; 14(1):6–10 (Eng. Abstr.) **(Ger)**

[Follow-up study of the antibiotic sensitivity and resistance of Staphylococcal strains cultured from osteomyelitis patients 1966–75 and 1976–80] Boda A, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1986; 29(3):215–21 (Eng. Abstr.) **(Hun)**

[Neonatal sepsis caused by coagulase-negative staphylococci] Currò V, et al. **Pediatr Med Chir** 1985 Jan–Feb;7(1):69–72 (Eng. Abstr.) **(Ita)**

[Staphylococcal bacteremia. 1. Bacteremia due to methicillin-cephem resistant Staphylococcus aureus] Shimada K, et al. **Kansenshogaku Zasshi** 1985 May; 59(5):459–63 (Eng. Abstr.) **(Jpn)**

[Persistence of Staphylococcus aureus in the pharynx of children with chronic tonsillitis treated with autovaccine] Giedrys-Galant S, et al. **Pediatr Pol** 1985 Nov–Dec; 60(11–12):761–7 (Eng. Abstr.) **(Pol)**

[Use of Levine's medium for isolating coagulase-positive Staphylococci] Sypchenko Ala, et al. **Lab Delo** 1985; (7):430–2 (Eng. Abstr.) **(Rus)**

[Structural characteristics of staphylococcal populations with various immunobiological exposures in an experiment] Bel'skii VV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Feb;(2):77–81 (Eng. Abstr.) **(Rus)**

[Variability of the pathogenicity traits of populations of staphylococci in a surgical hospital] Chernevskaia OM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Jul;(7):29–32 (Eng. Abstr.) **(Rus)**

MORTALITY

Fatal acute circulatory failure in pulmonary valve endocarditis [letter] Fourestie V, et al. **Am J Cardiol** 1986 Apr 1;57(10):895

Prediction of a fatal outcome in Staphylococcus aureus septicaemia and endocarditis [letter] Julander I. **J Infect** 1986 Mar;12(2):181–2

[Outcomes in infectious endocarditis in relation to the time of starting treatment and the type of causative agent] Bochorishvili TV. **Revmatologiia (Moskva)** 1985 Apr–Jun; (2):44–7 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Coagulase-negative staphylococcal bacteremia—a leading cause of sepsis at a community hospital. Harris LF, et al. **Ala Med** 1986 Mar;55(9):42–5

Postoperative wound infection with methicillin-resistant staphylococci in general surgical patients. Ross H. **Aust NZ J Surg** 1985 Feb;55(1):13–7

Epidemic of prosthetic valve endocarditis caused by Staphylococcus epidermidis. van den Broek PJ, et al. **Br Med J [Clin Res]** 1985 Oct 5;291(6500):949–50

Non-menstrual toxic shock syndrome. A case report and a review of non-menstrual toxic shock syndrome in Western Europe. Vanderheyden JS, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Aug;22(4):243–8

Male predominance in persistent staphylococcal colonization and infection of the newborn. Enzenauer RW, et al. **Hawaii Med J** 1985 Oct;44(10):389–90, 392, 394–6

Staphylococcus aureus bacteremia in a Dutch teaching hospital. Michel MF, et al. **Infection** 1985 Nov–Dec; 13(6):267–72

Prevalence and effects of intramammary infection in beef cows. Watts JL, et al. **J Anim Sci** 1986 Jan;62(1):16–20

Outbreaks of nosocomial infection due to Staphylococcus aureus. Cooke EM, et al. **J Hosp Infect** 1985 Sep;6(3):241–4

Gentamicin-methicillin-resistant Staphylococcus aureus: epidemiology and containment of an outbreak. Dacre J, et al. **J Hosp Infect** 1986 Mar;7(2):130–6

Outbreak of gentamicin-methicillin-resistant Staphylococcus aureus infection in an intensive care unit for children. Lejeune B, et al. **J Hosp Infect** 1986 Jan;7(1):21–5

International outbreak of staphylococcal food poisoning caused by contaminated lasagne. Woolaway MC, et al. **J Hyg (Lond)** 1986 Feb;96(1):67–73

Methicillin-resistant Staphylococcus aureus at children's hospitals in the United States. Jarvis WR, et al. **Pediatr Infect Dis** 1985 Nov–Dec;4(6):651–5

Methicillin-resistant Staphylococcus aureus bacteremia in children. Storch GA, et al. **Pediatr Infect Dis** 1986 Jan–Feb; 5(1):59–67

[An epidemic in a hospital caused by a methicillin-resistant strain of Staphylococcus aureus] van Keulen PH, et al. **Ned Tijdschr Geneeskd** 1986 Mar 8;130(10):449–51 (Eng. Abstr.) **(Dut)**

[Epidemiological questions in staphylococcal infections] Grehn M. **Schweiz Rundsch Med Prax** 1985 Oct 22; 74(43):1172–4 (Eng. Abstr.) **(Ger)**

[Umbilical and ocular infections due to environmental contamination by Pseudomonas aeruginosa and Staphylococcus aureus. An outbreak at the neonatal and obstetric sections of the Locri Community Hospital. Environmental microbiological research and relative results] Poerio N, et al. **G Batteriol Virol Immunol** 1984 Jul–Dec;77(7–12):208–14 (Eng. Abstr.) **(Ita)**

[Epidemiological analysis of the morbidity from suppurative-septic infections in a trauma center and orthopedic hospital] Iafaev RKh, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Dec;(12):42–5 (Eng. Abstr.) **(Rus)**

[Incidence of staphylococcal carriage in pregnant women] Kazanskaia GM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Oct;(10):43–5 (Eng. Abstr.) **(Rus)**

[Staphylococcus aureus bacteremias] Vega Stieb J, et al. **Rev Med Chil** 1985 Sep;113(9):866–72 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Regional morphology and biochemistry in experimental brain abscesses. Bothe HW, et al. **Acta Neuropathol (Berl)** 1986; 69(1–2):17–22

Experimental Staphylococcus aureus brain abscess. Enzmann DR, et al. **AJNR** 1986 May–Jun;7(3):395–402

A baby with recurrent staph on her fingers. Lazerson J. **Hosp Pract [Off]** 1985 Apr 15;20(4):44

Acute haematogenous osteomyelitis and septic arthritis—a single disease. An hypothesis based upon the presence of transphyseal blood vessels. Alderson M, et al. **J Bone Joint Surg [Br]** 1986 Mar;68(2):268–74

Antigen-induced experimental septic arthritis in rabbits after intraarticular injection of Staphylococcus aureus. Mahowald ML, et al. **J Infect Dis** 1986 Aug;154(2):273–82

Nasofrontal abscess following rhinoplasty. Barat M, et al. **Laryngoscope** 1985 Dec;95(12):1523–5

[Experimental model of chronic salpingitis and the histological changes as affected by sinusoidal modulated currents] Slavelkova O, et al. **Akush Ginekol (Sofiia)** 1986; 25(1):44–9 (Eng. Abstr.) **(Bul)**

[Generalized infection caused by coagulase-negative staphylococci] Peychl L, et al. **Cesk Patol** 1986 Mar; 22(1):30–4 (Eng. Abstr.) **(Cze)**

[Erythema scarlatiniforme desquamativum recidivans localisatum] Landthaler M, et al. **Hautarzt** 1985 Oct; 36(10):581–5 (Eng. Abstr.) **(Ger)**

[Staphylococcal toxic shock: the 1st case described in Romania] Brauner E, et al. **Rev Med Chir Soc Med Nat Iasi** 1984 Apr–Jun;88(2):379–82 (Eng. Abstr.) **(Rum)**

[Experimental staphylococcal sepsis] Shimkevich LL, et al. **Biull Eksp Biol Med** 1985 Oct;100(10):504–6 (Eng. Abstr.) **(Rus)**

[Morphofunctional features of the hypothalamo-hypophyseal system in experimental cerebral abscess] Talyshinskii AM, et al. **Zh Nevropatol Psikhiatr** 1985;85(12):1802–6 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[Effect of the type of microbial toxin on the character of pulmonary function disorders in septic shock] Sadchikov DV, et al. **Anesteziol Reanimatol** 1986 Mar–Apr;(2):24–7 (Eng. Abstr.) **(Rus)**

[Effect of chronic alcoholic intoxication on the course of acute lung abscesses] Nedvetskaia LM, et al. **Grudn Khir** 1986 May–Jun;(3):67–73 (Eng. Abstr.) **(Rus)**

[External respiration in patients with Neisseria and staphylococcal bronchial asthma] Ado AD, et al. **Klin Med (Mosk)** 1985 Oct;63(10):24–8 **(Rus)**

PREVENTION & CONTROL

Antibiotic prophylaxis against bacterial endocarditis in patients undergoing dermatologic surgery. Wagner RF Jr, et al. **Arch Dermatol** 1986 Jul;122(7):799–801

Role of the posterior capsule in the prevention of postoperative bacterial endophthalmitis: experimental primate studies and clinical implications. Beyer TL, et al. **Br J Ophthalmol** 1985 Nov;69(11):841–6

Efficacy of dodecylaminoalkyl glycine teat dip against Staphylococcus aureus and Streptococcus agalactiae mastitis. Boddie RL, et al. **J Dairy Sci** 1986 Jan;69(1):258–9

Guidelines for the control of epidemic methicillin-resistant Staphylococcus aureus. Report of a combined working party of the Hospital Infection Society and British Society for Antimicrobial Chemotherapy. **J Hosp Infect** 1986 Mar; 7(2):193–201

Control of a hospital outbreak of methicillin-resistant Staphylococcus aureus infections: value of an isolation unit. Shanson DC, et al. **J Hosp Infect** 1985 Sep;6(3):285–92

Rifampin protection against experimental graft sepsis. McDougal EG, et al. **J Vasc Surg** 1986 Jul;4(1):5–7

Inhibition of bacterial adhesion by antibacterial surface pretreatment of vascular prostheses. Webb LX, et al. **J Vasc Surg** 1986 Jul;4(1):16–21

Staphylococcus aureus nasal carriage and infection in patients on hemodialysis. Efficacy of antibiotic prophylaxis. Yu VL, et al. **N Engl J Med** 1986 Jul 10;315(2):91–6

Oxacillin prophylaxis in cerebrospinal fluid shunt procedures: results of a randomized open study in 60 hydrocephalic patients. Djindjian M, et al. **Surg Neurol** 1986 Feb; 25(2):178–80

A double-blind comparative study of prophylactic antibiotic therapy in open heart surgery: penicillin G versus vancomycin. Joyce FS, et al. **Thorac Cardiovasc Surg** 1986 Apr;34(2):100–3

[Epidemiological effectiveness of the mass immunoprophylaxis of staphylococcal infections in parturients and newborn infants] Ribarova N, et al. **Akush Ginekol (Sofiia)** 1985;24(5):29–33 (Eng. Abstr.) **(Bul)**

[Prevention of wound infections in burns with special reference to protective clothing] Hambraeus A, et al. **Z Gesamte Hyg** 1985 Sep;31(9):508–11 (Eng. Abstr.) **(Ger)**

[Bacteriologic study of indwelling percutaneous catheters used in intensive therapy] Incze F, et al. **Orv Hetil** 1985 Dec 8;126(49):3011–3 (Eng. Abstr.) **(Hun)**

[Experimental studies of vascular prostheses made of plastics with antibacterial properties] Sowiński A, et al. **Polim Med** 1985;15(3–4):99–108 (Eng. Abstr.) **(Pol)**

[Antibacterial therapy in surgery of the biliary tract (a review of the literature)] Ermolov AS, et al. **Khirurgiia (Mosk)** 1986 Feb;(2):137–42 (80 ref.) **(Rus)**

[A new approach in the complex treatment of open injuries] Novikov FG. **Klin Khir** 1986;(4):28–31 (Eng. Abstr.) **(Rus)**

[Immunostimulating activity of combined antigens of Klebsiella pneumoniae, Staphylococcus, Proteus and Escherichia coli and separate components in cross infection] Egorova NB, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Sep;(9):70–4 (Eng. Abstr.) **(Rus)**

[An intramammary implant in the prevention of infectious mastitis in cows] Baran V, et al. **Vet Med (Praha)** 1986 Jul;31(7):393–402 (Eng. Abstr.) **(Slo)**

PSYCHOLOGY

[Schizophrenia syndromes caused by infection] Bochorishvili VG, et al. **Ter Arkh** 1986;58(3):97–8 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Pyogenic sacroiliitis. Kerr R. **Orthopedics** 1985 Aug; 8(8):1028–34

RADIONUCLIDE IMAGING

Detection of acute synthetic vascular graft infection with 111In-labeled leukocyte scanning: an animal study. Dries DJ, et al. **AJR** 1985 Nov;145(5):1053–6

Demonstration of a cold abscess by gallium-67 imaging in a patient with Job syndrome. Jaramillo D, et al. **AJR** 1986 Sep;147(3):610–1

Use of technetium-99m methylene diphosphonate and gallium-67 citrate scans after intraarticular injection of Staphylococcus aureus into knee joints of rabbits with chronic antigen-induced arthritis. Mahowald ML, et al. **J Infect Dis** 1986 Aug;154(2):283–8

Comparison of bone and gallium-67 imaging in heroin users' arthritis. Bittini A, et al. **J Nucl Med** 1985 Dec; 26(12):1377–81

RADIOTHERAPY

[Use of the helium-cadmium laser in the treatment of suppurative wounds] Gostishchev VK, et al. **Khirurgiia (Mosk)** 1985 Nov;(11):97–101 (Eng. Abstr.) **(Rus)**

[Helium-neon lasers in the treatment of suppurative-inflammatory diseases in children] Mezentsev GD, et al. **Vestn Khir** 1985 Jul;135(7):85–7 (Eng. Abstr.) **(Rus)**

SURGERY

Tricuspid valve endocarditis cured by excision of a single vegetation. Jagger JD, et al. **Am Heart J** 1986 Sep; 112(3):626–7

Prophylactic resection of a tricuspid valve vegetation in infective endocarditis. Bernal JM, et al. **Int J Cardiol** 1986 Aug;12(2):255–7

Psoas abscess in children. Schwaitzberg SD, et al. **J Pediatr Surg** 1985 Aug;20(4):339–42

Immediate tricuspid valve replacement for endocarditis. Indications and results. Stern HJ, et al. **J Thorac Cardiovasc Surg** 1986 Feb;91(2):163–7

Use of muscle flaps in the treatment of infected sternotomy. Pettersson G, et al. **Scand J Thorac Cardiovasc Surg** 1986; 20(1):1–4

Anterior cervical epidural abscess: the use of intraoperative spinal sonography. Feldenzer JA, et al. **Surg Neurol** 1986 Jan;25(1):105–8

[Surgical treatment of severe infectious complications in patients with implanted electrodes and pacemakers] Suwalski K. **Kardiol Pol** 1985;28(8–9):535–40 (Eng. Abstr.) **(Pol)**

[Incision during bronchoscopy of a mediastinal abscess developing after a lung abscess] Kutiakov MG, et al. **Klin Khir** 1985;(10):54 **(Rus)**

THERAPY

Hydrophobized wound dressing in the treatment of experimental Staphylococcus aureus infections in the young pig. Wadström T, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Oct; 93(5):359–63

Results of bacteriophage treatment of suppurative bacterial infections. VI. Analysis of treatment of suppurative staphylococcal infections. Slopek S, et al. **Arch Immunol Ther Exp (Warsz)** 1985;33(2):261–73

Treatment of septic olecranon and prepatellar bursitis with percutaneous placement of a suction-irrigation system. A report of 12 cases. Knight JM, et al. **Clin Orthop** 1986 May; (206):90–3

A vital-inflamed case: can it be related to focal infection? [letter] **Int J Psychosom** 1986;33(2):53–4

Osteomyelitis with methicillin-resistant Staphylococcus aureus. Fitzpatrick DJ, et al. **J Hosp Infect** 1986 Jul; 8(1):24–30

[The management of median sternotomy infection following cardiac surgery by continuous closed irrigation with an antibiotic solution] Maehara T, et al. **Kyobu Geka** 1985 Sep; 38(9):706–9 (Eng. Abstr.) **(Jpn)**

[Non-surgical transvenous removal of electrodes from the cardiac cavities and large blood vessels] Kalawski R, et al. **Kardiol Pol** 1985;28(8–9):567–71 (Eng. Abstr.) **(Pol)**

[Generalized bacterial infections in the Department of Intensive Care, Medical Academy, in Gdansk] Samet A, et al. **Pol Tyg Lek** 1985 Sep 30;40(39):1099–102 (Eng. Abstr.) **(Pol)**

[Interferon inhibition of the development of a staphylococcal infection] Zueva VS, et al. **Antibiot Med Biotekhnol** 1985 Nov;30(11):863–8 (Eng. Abstr.) **(Rus)**

[Features of the healing of suppurative wounds in patients undergoing treatment with collagen preparations (histochemical and electron-microscopic study)] Berchenko GN, et al. **Arkh Patol** 1985;47(12):37–44 (Eng. Abstr.) **(Rus)**

[Clinical aspects, diagnosis and treatment of chronic osteomyelitis] Bondarenko NM, et al. **Khirurgiia (Mosk)** 1985 Nov;(11):90–2 (Eng. Abstr.) **(Rus)**

[Propolis and its use in medicine] Okoenko LB. **Klin Med (Mosk)** 1985 Oct;63(10):20–4 **(Rus)**

[Effect of the nature of pulmonary ventilation on external gas exchange in staphylococcal exotoxic shock] Sadchikov DV, et al. **Patol Fiziol Eksp Ter** 1986 Jan–Feb;(1):31–4 (Eng. Abstr.) **(Rus)**

[Sorption detoxication by xenogeneic spleen in staphylococcal lesions in an experiment] Safarov SF, et al. **Patol Fiziol Eksp Ter** 1985 Nov–Dec;(6):34–9 (Eng. Abstr.) **(Rus)**

[Effectiveness of various programs of immunocorrective therapy in chronic infectious-inflammatory diseases] Gordienko SM, et al. **Ter Arkh** 1986;58(4):86–9 (Eng. Abstr.) **(Rus)**

[Immediate and remote results of the complex treatment of patients with chronic pyoderma] Bukharovich AM. **Vestn Dermatol Venerol** 1986;(3):50–4 (Eng. Abstr.) **(Rus)**

[Difficulties and errors in the diagnosis and treatment of acute paranephritis in surgical practice] Tiktinskiĭ OL, et al. **Vestn Khir** 1985 Jun;134(6):82–6 (Eng. Abstr.) **(Rus)**

[Use of immunostimulators in the treatment of inflammatory processes in the maxillofacial region] Starodubtsev VS, et al. **Voen Med Zh** 1986 Feb;(2):49–50 **(Rus)**

TRANSMISSION

Strict versus modified isolation for prevention of nosocomial transmission of methicillin-resistant Staphylococcus aureus. Ribner BS, et al. **Infect Control** 1986 Jun;7(6):317–20

Infection with methicillin-gentamicin-resistant Staphylococcus aureus strains in a paediatric surgical unit in Lisbon. Cristino JA, et al. **J Hosp Infect** 1985 Dec; 6(4):426–8

Tourniquets and nosocomial methicillin-resistant Staphylococcus aureus infections [letter] Berman DS, et al. **N Engl J Med** 1986 Aug 21;315(8):514–5

URINE

[New method of detecting antibody-coated bacteria in patients with chronic pyelonephritis] Nakhaba VA, et al. **Urol Nefrol (Mosk)** 1985 Jul–Aug;(4):25–8 (Eng. Abstr.) **(Rus)**

VETERINARY

Frequency and antimicrobial susceptibility of Staphylococcus species isolated from canine pyodermas. Medleau L, et al. **Am J Vet Res** 1986 Feb;47(2):229–31

The resistance to anti-microbial agents of bacteria isolated from pathological conditions of birds in Victoria, 1978 to 1983. Reece RL, et al. **Aust Vet J** 1985 Nov;62(11):379–81

Evaluation of the Minitek gram-positive set for identification of staphylococci isolated from the bovine mammary gland. Watts JL, et al. **J Clin Microbiol** 1986 May;23(5):873–5

Determinants of bacterial replication rates in mastitic whey. Mattila T, et al. **J Dairy Res** 1986 May;53(2):197–202

Effect of chronic staphylococcal mastitis on mitogenic responses of bovine lymphocytes. Nonnecke BJ, et al. **J Dairy Sci** 1985 Dec;68(12):3323–8

N-Acetyl-B-D-glucosaminidase activity and somatic cells in goat milk. Timms LL, et al. **J Dairy Sci** 1985 Dec; 68(12):3363–6

Identification of nuclease-positive staphylococci isolated from animals. Gudding R, et al. **J Med Microbiol** 1985 Dec;20(3):399–402

Intramuscular treatment of subclinical staphylococcal mastitis in lactating cows with penicillin G, methicillin and their esters. Ziv G, et al. **J Vet Pharmacol Ther** 1985 Sep; 8(3):276–83

Comparative characteristics of Staphylococcus sciuri, Staphylococcus lentus and Staphylococcus gallinarum isolated from healthy and sick hosts. Adegoke GO. **Vet Microbiol** 1986 Feb;11(1–2):185–9

Staphylococcus hyicus in donkeys. Devriese LA, et al. **Vet Rec** 1986 Jan 18;118(3):76

Antibiotic resistance patterns of Staphylococcus aureus strains isolated from clinical bovine mastitis. Francis PG, et al. **Vet Rec** 1986 Mar 29;118(13):361–3

Perforated gastric ulcer associated with disseminated staphylococcal granuloma (botryomycosis) in a cat. Sheikh-Omar AR, et al. **Vet Rec** 1985 Aug 10;117(6):131

Respiratory deficient Staphylococcus aureus as the aetiological agent of "abscess disease"de la Fuente R, et al. **Zentralbl Veterinarmed [B]** 1985 Jul;32(6):397–406

Bacterial growth in mastitic milk and whey. Malkamäki M, et al. **Zentralbl Veterinarmed [B]** 1986 Apr;33(3):174–9

[A hemorrhagic-anemic syndrome with dermatitis in broiler chickens] Froyman R, et al. **Tijdschr Diergeneeskd** 1986 Jul 1;111(13):639–42 (Eng. Abstr.) **(Dut)**

[Etiology and immunotherapy of bacterial dermatitis—an experiment] Hammerschmidt W, et al. **Berl Munch Tierarztl Wochenschr** 1985 Nov 1;98(11):373–9 (Eng. Abstr.) **(Ger)**

STAPHYLOCOCCAL NUCLEASE see **MICROCOCCAL NUCLEASE**

STAPHYLOCOCCAL PHAGES

The basic phage set for typing bovine staphylococci. Carroll PJ, et al. **J Hyg (Lond)** 1985 Dec;95(3):665–9

GENETICS

Mechanism of bacteriophage conversion of lipase activity in Staphylococcus aureus. Lee CY, et al. **J Bacteriol** 1985 Oct;164(1):288–93

Integration of staphylococcal phage L54a occurs by site-specific recombination: structural analysis of the attachment sites. Lee CY, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(15):5474–8

PHYSIOLOGY

Lysogenicity of methicillin-resistant strains of Staphylococcus aureus. Beard-Pegler MA, et al. **J Med Microbiol** 1985 Oct;20(2):147–55

Comparison of phage-mediated and conjugative transfer of staphylococcal plasmids in vitro and in vivo. Townsend DE, et al. **J Med Microbiol** 1986 Sep;22(2):107–14

ULTRASTRUCTURE

Bacteriophages in L form of Staphylococcus aureus. Schmid EN. **J Bacteriol** 1985 Oct;164(1):397–400

STAPHYLOCOCCAL PNEUMONIA see **PNEUMONIA, STAPHYLOCOCCAL**

STAPHYLOCOCCAL PROTEIN A

Highly sensitive immunoadsorption procedure for detection of low-abundance proteins. Platt EJ, et al. **Anal Biochem** 1986 Jul;156(1):126–35

Immunocytochemical localization of parathormone in the mammalian parathyroid gland using the protein A–gold technique. Inoue Y, et al. **Cell Tissue Res** 1986;243(1):3–7

Controlled growth of colloidal gold particles and

implications for labelling efficiency. van Bergen en Henegouwen PM, et al. **Histochemistry** 1986;85(1):81–7
Comparison of different blocking agents and nitrocelluloses in the solid phase detection of proteins by labelled antisera and protein A. Baldo BA, et al.
J Biochem Biophys Methods 1986 Jun;12(5–6):271–9
Modification of the protein A–gold immunocytochemical technique for the enhancement of its efficiency. Bendayan M, et al. **J Histochem Cytochem** 1986 May;34(5):569–75
Ultrastructural localization of immunoreactive neurophysins using monoclonal antibodies and protein A–gold. Castel M, et al. **J Histochem Cytochem** 1985 Oct;33(10):1015–25
Detection of two forms of HBeAg (free–and IgG–bound HBeAg) in patients with HBe antigenemia using staphylococcus bearing protein A. Sagnelli E, et al.
Liver 1985 Aug;5(4):205–11

ANALYSIS

Split–peak affinity chromatographic studies of the immobilization–dependent adsorption kinetics of protein A. Hage DS, et al. **Anal Chem** 1986 Feb;58(2):274–9
Radioimmunoassay of progesterone and estriol in plasma using antibodies immobilized onto protein A–Sepharose CL–4B. Bacigalupo MA, et al. **Appl Biochem Biotechnol** 1985 Aug;11(4):279–85
Role of lymphocytotoxicity and staph–protein A assays in platelet donor selection. Bonacossa IA, et al.
Curr Stud Hematol Blood Transfus 1986;(52):58–64
Coagulase production by strains of Staphylococcus aureus of differing resistance characters: a comparison of two traditional methods with a latex agglutination system detecting both clumping factor and protein A. Dickson JI, et al. **J Clin Pathol** 1986 Apr;39(4):371–5
An enzyme immunoassay for the detection of staphylococcal protein A in affinity–purified products. Dertzbaugh MT, et al. **J Immunol Methods** 1985 Oct 24;83(1):169–77
Characterization of complexes containing protein A and rabbit immunoglobulin G or Fc gamma fragments. Das C, et al. **Res Commun Chem Pathol Pharmacol** 1986 Jan; 51(1):117–28
[Nonbacterial pneumonia. Possibilities of the early determination of its etiologic diagnosis] Patić V, et al.
Vojnosanit Pregl 1986 Jan–Feb;43(1):8–11 **(Ser)**

BIOSYNTHESIS

[Optimal conditions for culturing Staphylococcus aureus strain A–676 to obtain biologically active protein A] Shchetinina EV, et al.
Zh Mikrobiol Epidemiol Immunobiol 1985 Dec;(12):9–12 (Eng. Abstr.) **(Rus)**

BLOOD

Ex vivo perfusion of plasma over protein A columns in human mammary adenocarcinoma. Evidence for a protein A leaking by radioimmunoassay. Kinet JP, et al.
Eur J Clin Invest 1986 Feb;16(1):43–9

DIAGNOSTIC USE

A review of the study of protein secretion applying the protein A–gold immunocytochemical approach. Bendayan M, et al. **Am J Anat** 1986 Feb–Mar;175(2–3):379–400
Protein A gold–silver staining method for light microscopic immunohistochemistry. Fujimori O, et al.
Arch Histol Jpn 1985 Oct;48(4):449–52
Detection of IgG–bearing erythrocytes by a sensitive Staphylococcus aureus protein A–binding radioassay: possible usefulness for the differential diagnosis of connective tissue diseases. Pontes–de–Carvalho LC, et al.
Braz J Med Biol Res 1985;18(4):519–26
A competitive ELISA technique for the measurement of von Willebrand factor antigen (vWF:Ag) using staphylococcal protein A peroxidase. Brien WF, et al. **Clin Biochem** 1986 Jun;19(3):179–82
Magnetic albumin/protein A immunomicrospheres. II. Specificity, reproducibility, and resolution of the magnetic cell separation technique. Kandzia J, et al.
Diagn Immunol 1985;3(2):83–8
Immunocytochemical localization of carbonic anhydrase on ultrathin frozen sections with protein A–gold. Brown D, et al. **Histochemistry** 1985;83(2):153–8
Immunocytochemical localization of cathepsin B in rat kidney. II. Electron microscopic study using the protein A–gold technique. Yokota S, et al.
J Histochem Cytochem 1986 Jul;34(7):899–907
Virus diagnosis: a novel use for the protein A–gold probe. Beesley JE, et al. **Med Lab Sci** 1985 Apr;42(2):161–5
Ultrastructural demonstration of calcitonin in osmium–fixed human medullary carcinoma of thyroid by the protein A–colloidal gold technique. Suzuki T, et al.
Virchows Arch [A] 1985;407(4):407–17
[Use of protein A in the immunosorbent analysis of antibodies to the tick–borne encephalitis virus] Matveev LE, et al.
Zh Mikrobiol Epidemiol Immunobiol 1985 Dec;(12):15–9 (Eng. Abstr.) **(Rus)**

GENETICS

Analysis of signals for secretion in the staphylococcal protein A gene. Abrahmsén L, et al. **EMBO J** 1985 Dec 30; 4(13B):3901–6
Analysis of protein A encoded by a mutated gene of Staphylococcus aureus Cowan I. Guss B, et al.
Eur J Biochem 1985 Dec 16;153(3):579–85
Staphylococcal protein A consists of five IgG–binding domains. Moks T, et al. **Eur J Biochem** 1986 May 2; 156(3):637–43
Expression of the staphylococcal protein A gene in Bacillus subtilis by gene fusions utilizing the promoter from a Bacillus amyloliquefaciens alpha–amylase gene. Fahnestock SR, et al. **J Bacteriol** 1986 Mar;163(3):796–804
Expression of the staphylococcal protein A gene in Bacillus subtilis by integration of the intact gene into the B. subtilis chromosome. Fahnestock SR, et al. **J Bacteriol** 1986 Mar; 165(3):1011–4

IMMUNOLOGY

Blocking of antibody complement–dependent effector functions by streptococcal IgG Fc–receptor and staphylococcal protein A. Schalén C, et al.
Acta Pathol Microbiol Immunol Scand [B] 1985 Dec; 93(6):395–400
Activation of human basophils by Staphylococcus aureus Cowan I. II. Alternative F(ab')–mediated mechanism. Marone G, et al. **Agents Actions** 1985 Jul;16(5):359–62
Enzyme–linked immunosorbent assay (ELISA) with staphylococcal protein A–horseradish peroxidase conjugate and exocellular native proteic antigens in an attempt to be used as a diagnostic tool in pulmonary tuberculosis. Stavri D, et al. **Arch Roum Pathol Exp Microbiol** 1985 Jul–Sep;44(3):229–37
Use of protein A–Sepharose–treated sera in human acute nonlymphocytic leukemia: lack of toxicity. Spitzer TR, et al. **Cancer Treat Rep** 1985 Dec;69(12):1449–50
Interaction of bovine immunoglobulin gamma 2 (IgG2) with staphylococcal protein A: evidence for IgG2a and IgG2b sub–subclasses in the bovine. Lawman MJ, et al.
Comp Immunol Microbiol Infect Dis 1985;8(1):1–8
Ex vivo perfusion of plasma over protein A columns in human mammary adenocarcinoma. Role of the Fc–binding capacity of protein A in the side effects and the tumoricidal response. Kinet JP, et al. **Eur J Clin Invest** 1986 Feb; 16(1):50–5
A protein A–binding, polyethylene glycol precipitation–based immunoradiometric assay. Application to the detection of immune complexes and C3 in human sera and of private antigens in cross–reacting parasite extracts. Pontes–de–Carvalho LC, et al.
J Immunol Methods 1986 May 1;89(1):27–35
Interaction of bacterial Fc receptors with goat immunoglobulins. Boyle MD, et al. **Mol Immunol** 1985 Sep; 22(9):1115–21
Modulation of IgG effector functions by a monovalent fragment of staphylococcal protein A. Gheţie V, et al.
Mol Immunol 1986 Apr;23(4):377–84
The inhibition capacity of concanavalin A on monomeric and polymeric hemolytic antibodies. Moţa G.
Mol Immunol 1985 Dec;22(12):1359–63
[A new sensitive detection method for haptoglobin using agglutination of antibody–labelled staphylococci] Nagai T.
Kitasato Arch Exp Med 1985 Jun;58(1–2):25–9 **(Ger)**
[Use of a coagglutination reaction based on a Soviet staphylococcal reagent for serogrouping Streptococcus group B and meningococci] Fiks LI, et al.
Zh Mikrobiol Epidemiol Immunobiol 1986 Feb;(2):8–11 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

A rapid and simple method for the purification of staphylococcal protein A from the culture of extracellularly protein A–releasing mutant. Seki K, et al.
Microbiol Immunol 1985;29(6):559–63

METABOLISM

Two separate non–immune interactions between staphylococcal protein A and immunoglobulins are mediated by structures on gamma chains. Ernfell M, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1986 Apr; 94(2):69–73
An in vitro study of the interactions of plasma proteins with protein A–sepharose CL4B chromatography columns used to remove immunoglobulin G from human plasma. Faradji A, et al. **Int J Artif Organs** 1986 Mar;9(2):119–26
Secretion of a heterologous protein from Bacillus subtilis with the aid of protease signal sequences. Vasantha N, et al.
J Bacteriol 1986 Mar;165(3):837–42
IgG rheumatoid factors and staphylococcal protein A bind to a common molecular site on IgG. Nardella FA, et al.
J Exp Med 1985 Dec 1;162(6):1811–24
Specificity of Fc receptors induced by herpes simplex virus type 1: comparison of immunoglobulin G from different animal species. Johansson PJ, et al. **J Virol** 1985 Nov; 56(2):489–94
Influence of the cultivation, devitalization and preservation of Staphylococcus aureus ATCC 12598 on the activity of cell–bound protein A. Ansorg RA, et al.
Med Microbiol Immunol (Berl) 1986;174(6):305–12
Mutual inhibition of the binding of C1q and protein A to rabbit IgG immune complexes. Laky M, et al.
Mol Immunol 1985 Nov;22(11):1297–302
[Plasma protein binding with gram positive cocci] Lämmler C, et al. **Berl Munch Tierarztl Wochenschr** 1985 Nov 1; 98(11):365–8 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Staphylococcal protein A primed leukocytes enhance the autologous mixed lymphocyte reaction. Berk GI, et al.
Am J Med Sci 1986 Apr;291(4):255–63
The role of soluble protein A in chicken spleen cell activation. Schoof DD, et al. **Dev Comp Immunol** 1986 Spring;10(2):247–57
Activation of human B cells: involvement of surface immunoglobulin as evidenced by two biochemically distinct types of response to Staphylococcus aureus. Scholten P, et al. **Hum Immunol** 1986 May;16(1):1–13
Mitogenic response of neoplastic "hairy cells" to Staphylococcus aureus Cowan I. Tamaki T, et al.
Nippon Ketsueki Gakkai Zasshi 1985 Jul;48(4):1042–52
Rabbits immunized with mixtures of staphylococcal protein A and autologous IgG produce anti–human IgG antibodies. Portanova JP, et al. **Proc Soc Exp Biol Med** 1985 Nov; 180(2):369–74
Activation of human T lymphocytes by soluble protein A. Beaurain G, et al. **Scand J Immunol** 1985 Dec;22(6):603–10

PHYSIOLOGY

Protein–mediated adhesion of Staphylococcus aureus to silicone implant polymer. Barrett SP. **J Med Microbiol** 1985 Oct;20(2):249–53

THERAPEUTIC USE

Cancer treatment with Staphylococcus aureus protein A. Solal–Celigny P, et al. **Biomed Pharmacother** 1985; 39(4):177–86 (116 ref.)
Protein A and staphylococcal products in neoplastic disease. Terman DS. **CRC Crit Rev Oncol Hematol** 1985;4(2):103–24 (102 ref.)
Antitumor effects of immobilized protein A and staphylococcal products: linkage between toxicity and efficacy, and identification of potential tumoricidal reagents. Terman DS, et al. **Eur J Cancer Clin Oncol** 1985 Oct;21(10):1115–22 (49 ref.)
The use of plasmapheresis, lymphocytapheresis, and staph protein–A immunoadsorption as an immunomodulatory therapy in patients with AIDS and AIDS–related conditions. Kiprov DD, et al. **J Clin Apheresis** 1986; 3(2):133–9
Treatment of cancer–associated hemolytic uremic syndrome with staphylococcal protein A immunoperfusion. Korec S, et al. **J Clin Oncol** 1986 Feb;4(2):210–5
Goodpasture's syndrome treated with staphylococcal protein A immunoadsorption [letter] Bygren P, et al. **Lancet** 1985 Dec 7;2(8467):1295–6
Effects of ex–vivo plasma adsorption over protein A sepharose in acute leukemia. Solal–Celigny P, et al.
Leuk Res 1986;10(6):643–9

TOXICITY

Further characterization of the in vitro tumoricidal activity of staphylococcal protein A. Branda RF, et al.
Cancer Res 1986 May;46(5):2610–3

STAPHYLOCOCCAL SCALDED SKIN SYNDROME see under **STAPHYLOCOCCAL SKIN INFECTIONS**

STAPHYLOCOCCAL SKIN INFECTIONS

CLASSIFICATION

[Staphylococcal burned skin syndrome—is it a new staphyloderma or a new definition?] Baliavichene GR.
Pediatriia 1986 May;(5):46–8 **(Rus)**

COMPLICATIONS

[Hyper–IgE syndrome and recurrent infections (Buckley syndrome). Association with genu varum] Lebranchu Y, et al. **Ann Pediatr (Paris)** 1986 Feb;33(2):109–12 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

The diagnosis and treatment of infections of the pedal integument. Miller SJ. **Clin Podiatr Med Surg** 1986 Jul; 3(3):505–13

DRUG THERAPY

Chemotherapeutic efficacy of ofloxacin on renal and subcutaneous infection models with Staphylococcus aureus in mice. Fujimoto T, et al. **Chemotherapy** 1986;32(3):291–8

ETIOLOGY

Secondary infections in dracunculiasis: bacteria and morbidity. Adeyeba OA. **Int J Zoonoses** 1985 Jun; 12(2):147–9

IMMUNOLOGY

Staphylococcal scalded skin syndrome in a homosexual adult. Richard M, et al. **J Am Acad Dermatol** 1986 Aug;15(2 Pt 2):385–9

MICROBIOLOGY

Importance of exfoliatin toxin A production by

Staphylococcus aureus strains isolated from clustered epidemics of neonatal pustulosis. Kaplan MH, et al. **J Clin Microbiol** 1986 Jan;23(1):83–91

PATHOLOGY

Staphylococcal scalded-skin syndrome. Mirabile R, et al. **Plast Reconstr Surg** 1986 May;77(5):752–6

PHYSIOPATHOLOGY

Streptococcal and staphylococcal infections of the skin. Wickboldt LG, et al. **Hosp Pract [Off]** 1986 Mar 30; 21(3A):41–7 (16 ref.)

PREVENTION & CONTROL

The staphylococcal scalded skin syndrome [letter] Burman D, et al. **J Hosp Infect** 1986 Mar;7(2):203–5

Does antibiotic prophylaxis at the time of catheter insertion reduce the incidence of catheter-related sepsis in intravenous nutrition? McKee R, et al. **J Hosp Infect** 1985 Dec;6(4):419–25

[Effect of prophylactic immunization with staphylococcal anatoxin on the cytochemical indices of the neutrophilic leukocytes in agricultural workers] Karagezian MA, et al. **Vestn Dermatol Venerol** 1986;(4):7–11 (Eng. Abstr.) (Rus)

SURGERY

[Treatment of suppurative wounds in patients with diabetes mellitus] Nuzov BG. **Khirurgiia (Mosk)** 1986 Jun;(6):21–4 (Eng. Abstr.) (Rus)

[Treatment of post-injection abscesses and phlegmons in patients with diabetes mellitus] Kuleshov EV, et al. **Sov Med** 1986;(3):112–4 (Rus)

STAPHYLOCOCCAL TOXOID

ADMINISTRATION & DOSAGE

[Circulation of antistaphylococcus and antitetanus antibodies in rabbits after intravenous passive immunization] Fedorovskaia EA, et al. **Fiziol Zh** 1986 Mar–Apr; 32(2):221–4 (Eng. Abstr.) (Rus)

[Effect of prophylactic immunization with staphylococcal anatoxin on the cytochemical indices of the neutrophilic leukocytes in agricultural workers] Karagezian MA, et al. **Vestn Dermatol Venerol** 1986;(4):7–11 (Eng. Abstr.) (Rus)

[Use of immunostimulators in the treatment of inflammatory processes in the maxillofacial region] Starodubtsev VS, et al. **Voen Med Zh** 1986 Feb;(2):49–50 (Rus)

IMMUNOLOGY

[Changes in immunity after immunization of donors for obtaining antistaphylococcal plasma] Smirnova AI, et al. **Gematol Transfuziol** 1986 Jan;31(1):56–60 (Rus)

[Immunoglobulin level and antibody titer after immunization with staphylococcal anatoxin and plasmapheresis of donors] Korepanov AM, et al. **Vrach Delo** 1986 Jun;(6):7–9 (Eng. Abstr.) (Rus)

[Characteristics of the immune response to staphylococcal anatoxin in healthy persons] Povazhenko AA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Jul;(7):92–6 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

[Clinico-immunological assessment of the effectiveness of staphylococcal anatoxin and the indications for its use in chronic pyoderma patients] Lesnitskii AI. **Vestn Dermatol Venerol** 1986;(4):11–6 (Eng. Abstr.) (Rus)

STAPHYLOCOCCAL VACCINES

THERAPEUTIC USE

[Assessment of the immune status of chronic bronchitis patients in the remission phase during prophylactic treatment with levamisole and staphylococcal vaccine] Petrukhin IS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Jun;(6):55–8 (Eng. Abstr.) (Rus)

STAPHYLOCOCCUS

Attachment of staphylococci and streptococci on fibronectin, fibronectin fragments, and fibrinogen bound to a solid phase. Kuusela P, et al. **Infect Immun** 1985 Oct;50(1):77–81

[Participation of Ca-dependent systems in thrombocyte aggregation induced by the action of staphylococcal toxin and ADP] Brill' GE. **Biol Nauki** 1985;(7):23–6 (Eng. Abstr.) (Rus)

[Role of arachidonic acid and cAMP-dependent systems in thrombocyte aggregation induced by staphylococcal toxin and ADP] Brill' GE. **Gematol Transfuziol** 1986 May; 31(5):13–5 (Eng. Abstr.) (Rus)

[Dynamics of the indices of natural resistance and of the response to staphylococcal alpha-toxin in acute suppurative lung diseases] Savitskaia KI, et al. **Grudn Khir** 1985 Nov–Dec;(6):68–71 (Eng. Abstr.) (Rus)

[Effect of the type of toxin on the nature of the central hemodynamic disorders in septic shock] Sadchikov DV. **Patol Fiziol Eksp Ter** 1985 Nov–Dec;(6):19–23 (Eng. Abstr.) (Rus)

ANALYSIS

Expression of human choriogonadotropin-like material in coagulase-negative Staphylococcus species. Acevedo HF, et al. **Infect Immun** 1985 Dec;50(3):860–8

Numerical analysis of fatty acid profiles in the identification of staphylococci. O'Donnell AG, et al. **J Gen Microbiol** 1985 Aug;131 (Pt 8):2023–33

Screening for bacterial Fc-receptor activity on nitrocellulose membranes. Lämmler C, et al. **J Immunol Methods** 1986 Jun 10;90(1):47–50

CLASSIFICATION

Identification of staphylococci from bovine udders: evaluation of the API 20GP system. Watts JL, et al. **Can J Microbiol** 1986 Apr;32(4):359–61

Characteristics of staphylococci isolated from man, poultry and some other animals. Adegoke GO. **J Appl Bacteriol** 1986 Feb;60(2):97–102

Characteristics of some unclassifiable strains of staphylococci isolated from goats and sheep. Adegoke GO. **J Appl Bacteriol** 1985 Sep;59(3):257–62

Rapid lysostaphin test to differentiate Staphylococcus and Micrococcus species. Geary C, et al. **J Clin Microbiol** 1986 Jun;23(6):1044–5

Comparison of the MicroScan system with the API Staph-Ident system for species identification of coagulase-negative staphylococci. Hussain Z, et al. **J Clin Microbiol** 1986 Jan;23(1):126–8

Additional differentiating characters of the two subspecies of Staphylococcus hyicus. Varaldo PE, et al. **J Gen Microbiol** 1985 Sep;131 (Pt 9):2231–5

Typing coagulase-positive staphylococci of different origin with Blouse and Meekins' phages. Hájek V, et al. **J Hyg Epidemiol Microbiol Immunol** 1984;29(3):317–22

Usefulness of a test for slime production as a marker for clinically significant infections with coagulase-negative staphylococci. Davenport DS, et al. **J Infect Dis** 1986 Feb; 153(2):332–9

Identification of nuclease-positive staphylococci isolated from animals. Gudding R, et al. **J Med Microbiol** 1985 Dec;20(3):399–402

A simplified system for the identification of staphylococci by multipoint inoculation of test media. Reuther JW. **J Med Microbiol** 1986 Sep;22(2):179–82

Problems with the laboratory identification and evaluation of coagulase-negative staphylococci. Smith JM, et al. **Pathology** 1986 Jan;18(1):148–52

A comparison of the STAPH-Ident and STAPH-Trac systems to conventional methods in the identification of staphylococci isolated from bovine udders. Watts JL, et al. **Vet Microbiol** 1986 Jul;12(2):179–87

Species distribution of coagulase-negative staphylococci isolated from clinical sources. Iwantscheff A, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1985 Aug; 260(1):41–50

[Staphylococci: taxonomy. Resistance to chemotherapeutic agents] Kayser FH, et al. **Schweiz Rundsch Med Prax** 1985 Oct 22;74(43):1161–4 (Eng. Abstr.) (Ger)

[Epidemiological study of a group of staphylococci isolated in a hospital environment] Muresu E, et al. **G Batteriol Virol Immunol** 1985 Jan–Jun;78(1–6):23–33 (Eng. Abstr.) (Ita)

[Identification of staphylococci of clinical importance: evaluation of available commercial kits and technical notes on the reduction of response time and cost of performance] Cainarca M, et al. **Quad Sclavo Diagn** 1985 Sep;21(3):274–9 (Eng. Abstr.) (Ita)

[Biotyping of pathogenic cocci using mathematical methods] Usviatsov BIa, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Jun;(6):26–9 (Eng. Abstr.) (Rus)

CYTOLOGY

Adherence of coagulase-negative staphylococci to plastic tissue culture plates: a quantitative model for the adherence of staphylococci to medical devices. Christensen GD, et al. **J Clin Microbiol** 1985 Dec;22(6):996–1006

DRUG EFFECTS

Effects of carbon dioxide upon the in vitro activity of erythromycin. Dibb WL, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1986 Jun; 94(3):173–6

Consumption of antibiotics in three clinical departments and antimicrobial susceptibility of clinically significant isolates of coagulase-negative Micrococcaceae. Hansen BG. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Oct; 93(5):341–6

Determination of interpretive breakpoints for ceftazidime disc-diffusion susceptibility testing using single-strain regression analysis. Petersson AC, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Aug; 93(4):289–96

Comparative in vitro activity of four beta-lactam antibiotics in surgical wound fluid against staphylococci. Sørensen TS. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Dec; 93(6):379–82

Plasmid-encoded trimethoprim resistance in staphylococci. Archer GL, et al. **Antimicrob Agents Chemother** 1986 May; 29(5):733–40

Effect of NaCl supplementation of Mueller-Hinton broth on susceptibility of staphylococci to aminoglycosides. Campos JM, et al. **Antimicrob Agents Chemother** 1986 Jan; 29(1):152–4

Interaction between rifampin and fusidic acid against methicillin-resistant coagulase-positive and -negative staphylococci. Farber BF, et al. **Antimicrob Agents Chemother** 1986 Jul;30(1):174–5

Activity of coumermycin against clinical isolates of staphylococci. Guillemin MN, et al. **Antimicrob Agents Chemother** 1986 Apr;29(4):608–10

Plasmid-mediated resistance to lincomycin by inactivation in Staphylococcus haemolyticus. Leclercq R, et al. **Antimicrob Agents Chemother** 1985 Sep;28(3):421–4

Bactericidal activity of ciprofloxacin against amikacin- and cefotaxime-resistant gram-negative bacilli and methicillin-resistant staphylococci. Simberkoff MS, et al. **Antimicrob Agents Chemother** 1986 Jun;29(6):1098–100

Survey of disc diffusion antimicrobial sensitivity testing in avian bacteriology laboratories and the evaluation of a standardised method. Whithear KG, et al. **Aust Vet J** 1986 Apr;63(4):113–7

Susceptibility of some Staphylococcus species to aminoglycosides. Geraci C, et al. **Chemioterapia** 1985 Dec; 4(6):436–8

Bactericidal action of nafcillin, vancomycin, and three cephalosporins against nafcillin-susceptible and nafcillin-resistant coagulase-negative staphylococci. Mordenti JJ, et al. **Diagn Microbiol Infect Dis** 1986 May; 5(1):1–8

Activity of teicoplanin against coagulase-negative staphylococci isolated from patients undergoing continuous peritoneal dialysis. Brumfitt W, et al. **Eur J Clin Microbiol** 1986 Feb;5(1):48–9

Current problems of chemotherapy of infections with coagulase-negative staphylococci. Davies AJ, et al. **Eur J Clin Microbiol** 1986 Jun;5(3):277–81 (46 ref.)

Comparative in vitro activity of Sch 34343 against urea-splitting microorganisms. Torres A, et al. **Eur J Clin Microbiol** 1985 Dec;4(6):605–7

Viability of staphylococci in various diluents. Essiain R, et al. **Infect Control** 1986 Jul;7(7):370–2

Comparative in vitro activity of cefpirome (HR 810) against gram-positive isolates from cancer patients. Rolston KV, et al. **Infection** 1986 May–Jun;14(3):139–41

In vitro activity of ceftazidime in combination with other antibiotics. Simon C, et al. **Infection** 1985 Jul–Aug; 13(4):184–9

Sensitivity patterns of coagulase-negative staphylococci from neonates. Davies AJ, et al. **J Antimicrob Chemother** 1986 Feb;17(2):155–60

The new quinolones and their combinations with other agents for therapy of severe infections. Desplaces N, et al. **J Antimicrob Chemother** 1986 Mar;17 Suppl A:25–39 (56 ref.)

The comparative activity of eleven aminocyclitol antibiotics against 773 aerobic gram-negative rods and staphylococci isolated from infected hospitalized patients. Guimaraes MA, et al. **J Antimicrob Chemother** 1985 Nov;16(5):555–61

Protein binding of anti-staphylococcal antibiotics [letter] Lacey RW, et al. **J Antimicrob Chemother** 1986 May; 17(5):679

Phagocytosis of staphylococci after exposure to antibiotics, mass versus colony-forming units [letter] Lorian V. **J Antimicrob Chemother** 1985 Jul;16(1):130–2

Species dependent variability in the susceptibility of coagulase-negative staphylococci to various antimicrobial agents. Rolston KV, et al. **J Antimicrob Chemother** 1985 Nov;16(5):659–62

Naturally occurring macrolide-lincosamide resistance in staphylococci from bovine mastitis [letter] Saikia PK, et al. **J Antimicrob Chemother** 1986 May;17(5):685–6

Testing of methicillin resistant staphylococci for susceptibility to coumermycin [letter] Thomas MG, et al. **J Antimicrob Chemother** 1985 Nov;16(5):675–6

Variations in bacitracin susceptibility observed in Staphylococcus and Micrococcus species. Baker JS, et al. **J Clin Microbiol** 1986 May;23(5):963–4

Evaluation of the AutoMicrobic system Gram-Positive Susceptibility-MIC card for detection of oxacillin-resistant coagulase-negative staphylococci. Woolfrey BF, et al. **J Clin Microbiol** 1986 Mar;23(3):629–30

In vitro interactions between teicoplanin and other antibiotics against enterococci and staphylococci. Debbia E, et al. **J Hosp Infect** 1986 Mar;7 Suppl A:73–7

Anti-staphylococcal activity of teicoplanin, vancomycin, and other antimicrobial agents: the significance of methicillin resistance. Del Bene VE, et al. **J Infect Dis** 1986 Aug; 154(2):349–52

Influence of bacterial adherence to intravascular catheters on in-vitro antibiotic susceptibility. Sheth NK, et al. **Lancet** 1985 Dec 7;2(8467):1266–8

In vitro antimicrobial susceptibilities of oxacillin-resistant coagulase negative staphylococci. Flournoy DJ. **Methods Find Exp Clin Pharmacol** 1985 Jun;7(6):333–5

In vitro aminoglycoside resistance of gram-negative bacilli and staphylococci isolated from blood in Sweden 1980–1984. Bengtsson S, et al. **Scand J Infect Dis** 1986; 18(3):257–63

[Effects of zhengchaihu yin on influenza virus and pathogenic bacteria in vivo and in vitro] Fu HY. **Chung Yao Tung Pao** 1986 Apr;11(4):46–9 (Chi)

[Rapid determination of staphylococcal strains resistant to novobiocin using the Autobac system] Carret G, et al. **Ann Biol Clin (Paris)** 1985;43(4):338–40 (Eng. Abstr.) (Fre)

[Sensitivity to cephalosporins of coagulase–negative methicillin–resistant staphylococci. In vitro studies by different methods] Libert JM, et al. **Pathol Biol (Paris)** 1985 Oct;33(8):831–5 (Eng. Abstr.) (Fre)

[Staphylococci: taxonomy. Resistance to chemotherapeutic agents] Kayser FH, et al. **Schweiz Rundsch Med Prax** 1985 Oct 22;74(43):1161–4 (Eng. Abstr.) (Ger)

[Differentiation between Staphylococcus and Micrococcus genera in the routine laboratory diagnosis using the lysostaphin sensitivity test] Witte W, et al. **Z Gesamte Hyg** 1986 Jun;32(6):389–90 (Eng. Abstr.) (Ger)

[Frequency of methicillin resistance varies with conditions, in a population of staphylococci from a hospital environment] Pessione E, et al. **G Batteriol Virol Immunol** 1985 Jan–Jun;78(1–6):95–106 (Eng. Abstr.) (Ita)

[Multiresistance to antibiotics of bacteria of the genus Staphylococcus] Andreoni S, et al. **G Ital Chemioter** 1985 Jan–Apr;32(1):195–8 (Eng. Abstr.) (Ita)

[Evaluation of the effects of mezlocillin in otorhynolaryngologic infections] Martinetto P, et al. **G Ital Chemioter** 1985 May–Aug;32(2):295–8 (Ita)

[Analysis of drug sensitivity of microorganisms isolated from children treated at the Institute of Mother and Child] Szozda G, et al. **Pediatr Pol** 1986 Jan;61(1):32–40 (Eng. Abstr.) (Pol)

[The membrane apparatus of Staphylococci in relation to acquired novobiocin resistance] Kukushkina NV, et al. **Antibiot Med Biotekhnol** 1985 Dec;30(12):905–11 (Eng. Abstr.) (Rus)

[Comparative characteristics of the antimicrobial effect of antibiotics and their combinations on bacteria isolated from patients with chronic suppurative sinusitis] Tarasov DI, et al. **Vestn Otorinolaringol** 1985 Nov–Dec;(6):33–6 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Coagulase–negative staphylococcal endocarditis. Occurrence in patients with mitral valve prolapse. Baddour LM, et al. **Arch Intern Med** 1986 Jan;146(1):119–21

Inhibition of beta–lactamase synthesis in Staphylococcus aureus by minocycline. Chopra I, et al. **J Antimicrob Chemother** 1985 Jul;16(1):17–21

Lysogenic conversion of staphylococcal lipase is caused by insertion of the bacteriophage L54a genome into the lipase structural gene. Lee CY, et al. **J Bacteriol** 1986 May; 166(2):385–91

Purification and some properties of protease produced by Staphylococcus hyicus subsp. hyicus strain No. 111. Takeuchi S, et al. **Nippon Juigaku Zasshi** 1985 Oct; 47(5):769–75

[Neonatal sepsis caused by coagulase–negative staphylococci] Currò V, et al. **Pediatr Med Chir** 1985 Jan–Feb;7(1):69–72 (Eng. Abstr.) (Ita)

GENETICS

Resistance plasmids for inducible macrolide–lincosamide resistance in Staphylococcus simulans and Staphylococcus epidermidis. Barcs I. **Acta Microbiol Hung** 1985;32(3):241–8

A simple and generally applicable procedure for releasing DNA from bacterial cells. Heath LS, et al. **Appl Environ Microbiol** 1986 May;51(5):1138–40

Analysis of signals for secretion in the staphylococcal protein A gene. Abrahmsén L, et al. **EMBO J** 1985 Dec 30; 4(13B):3901–6

Nucleotide sequence of gene linA encoding resistance to lincosamides in Staphylococcus haemolyticus. Brisson–Noël A, et al. **Gene** 1986;43(3):247–53

Nucleotide sequence of the tetracycline resistance gene of pTHT15, a thermophilic Bacillus plasmid: comparison with staphylococcal TcR controls. Hoshino T, et al. **Gene** 1985; 37(1–3):131–8

Cloning and expression of the alpha–amylase gene from Bacillus stearothermophilus in several staphylococcal species. Thudt K, et al. **Gene** 1985;37(1–3):163–9

Evolution and epidemiology of MLS resistance. Duval J. **J Antimicrob Chemother** 1985 Jul;16 Suppl A:137–49

Studies on lipase directed export of Escherichia coli beta–lactamase in Staphylococcus carnosus. Liebl W, et al. **MGG** 1986 Jul;204(1):166–73

GROWTH & DEVELOPMENT

Semipermeable occlusive dressings. Effects on growth of pathogenic bacteria and reepithelialization of superficial wounds. Katz S, et al. **Arch Dermatol** 1986 Jan;122(1):58–62

Prevalence of Staphylococcus saprophyticus in patients in a venereal disease clinic. Ringertz O, et al. **Eur J Clin Microbiol** 1986 Jun;5(3):358–61

In vitro study of bacterial growth in continuous ambulatory peritoneal dialysis fluids. Sheth NK, et al. **J Clin Microbiol** 1986 Jun;23(6):1096–8

Determinants of bacterial replication rates in mastitic whey. Mattila T, et al. **J Dairy Res** 1986 May;53(2):197–202

IMMUNOLOGY

Intrathecal synthesis of antibodies to staphylococcal antigens in multiple sclerosis patients. Aasjord P, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1986 Jun; 94(3):97–103

Protein A and staphylococcal products in neoplastic disease. Terman DS. **CRC Crit Rev Oncol Hematol** 1985;4(2):103–24 (102 ref.)

Antibodies to bacterial vaccines demonstrating specificity for human choriogonadotropin (hCG) and immunochemical detection of hCG–like factor in subcellular bacterial fractions. Domingue GJ, et al. **Infect Immun** 1986 Jul; 53(1):95–8

[Mechanism of formation of antibody production stimulating ability of bone marrow cells of mice immunized with staphylococci] Liashchenko KP, et al. **Biull Eksp Biol Med** 1986 Aug;102(8):194–7 (Eng. Abstr.) (Rus)

[Chief patterns in the adoptive transfer of antistaphylococcal immunologic memory to intact recipients] Bobrovnik SA, et al. **Fiziol Zh** 1986 Jul–Aug;32(4):485–8 (Eng. Abstr.) (Rus)

[Circulation of antistaphylococcus and antitetanus antibodies in rabbits after intravenous passive immunization] Fedorovskaia EA, et al. **Fiziol Zh** 1986 Mar–Apr; 32(2):221–4 (Eng. Abstr.) (Rus)

[Changes in immunity after immunization of donors for obtaining antistaphylococcal plasma] Smirnova AI, et al. **Gematol Transfuziol** 1986 Jan;31(1):56–60 (Rus)

[Effect of staphylococcus on a culture of blood lymphocytes from children with chronic bronchopulmonary processes] Mikheeva GA, et al. **Lab Delo** 1986;(1):41–3 (Eng. Abstr.) (Rus)

[Cellulose–coccus agglutination reaction and its use for demonstrating enterobacteria] Nikitin VM, et al. **Lab Delo** 1986;(4):206–10 (Eng. Abstr.) (Rus)

[Immunological status and the condition of local defense factors in patients with various forms of chronic bronchitis treated by using performed physical factors] Nikolaevskii VV, et al. **Ter Arkh** 1986;58(4):94–7 (Eng. Abstr.) (Rus)

[Antistaphylococcal immunity in patients with chronic suppurative sinusitis treated with levamisole and intal] Zabolotnyi DI, et al. **Vestn Otorinolaringol** 1985 Nov–Dec; (6):47–9 (Eng. Abstr.) (Rus)

[Immunoglobulin level and antibody titer after immunization with staphylococcal anatoxin and plasmapheresis of donors] Korepanov AM, et al. **Vrach Delo** 1986 Jun;(6):7–9 (Eng. Abstr.) (Rus)

[Development and trial of a heterogenous antistaphylococcal gamma–globulin] Georgadze IA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Apr;(4):82–4 (Eng. Abstr.) (Rus)

[Bacteriosorption reaction on a smooth surface for detecting antibodies and antigens] Nikolaev VL, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Jul;(7):97–100 (Eng. Abstr.) (Rus)

ISOLATION & PURIFICATION

Distribution of staphylococcal species on clinically healthy cats. Cox HU, et al. **Am J Vet Res** 1985 Sep;46(9):1824–8

Frequency and antimicrobial susceptibility of Staphylococcus species isolated from canine pyodermas. Medleau L, et al. **Am J Vet Res** 1986 Feb;47(2):229–31

Comparison of the API Staph–Ident and DMS Staph Trac micromethods for the identification of coagulase–negative staphylococci. Giovannetti DI, et al. **Can J Vet Res** 1986 Jan;50(1):120–2

Commercial kit for preliminary identification of Staphylococcus saprophyticus in urine [letter] Bredt W. **Eur J Clin Microbiol** 1986 Jun;5(3):369–70

Commercial kit for preliminary identification of Staphylococcus saprophyticus in urine. Christensen KK, et al. **Eur J Clin Microbiol** 1986 Feb;5(1):42–4

Coagulase–negative staphylococci in blood cultures: the clinician's dilemma [editorial] Archer GL. **Infect Control** 1985 Dec;6(12):477–8

Microbial examination of kidney lithotripter tub water and epidural anesthesia catheters. Cooper GL, et al. **Infect Control** 1986 Apr;7(4):216–9

Epidemiology and clinical significance of blood cultures positive for coagulase–negative staphylococcus. Kirchhoff LV, et al. **Infect Control** 1985 Dec;6(12):479–86

The epidemiology and risk factors for nosocomial catheter–associated bacteriuria caused by coagulase–negative staphylococci. Larsen RA, et al. **Infect Control** 1986 Apr;7(4):212–5

Bacterial lipases and chronic blepharitis. Dougherty JM, et al. **Invest Ophthalmol Vis Sci** 1986 Apr;27(4):486–91

Application of current methods for isolation and identification of staphylococci in raw bovine milk. Harvey J, et al. **J Appl Bacteriol** 1985 Sep;59(3):207–21

Involvement of coagulase–negative staphylococci in toxic shock syndrome. Crass BA, et al. **J Clin Microbiol** 1986 Jan;23(1):43–5

Microbiologic studies of coagulase–negative staphylococci isolated from patients with nosocomial bacteraemias. Ponce de Leon S, et al. **J Hosp Infect** 1986 Mar;7(2):121–9

Positive camp–phenomenon elicited by coagulase–negative staphylococci. Bhakdi S. **Med Microbiol Immunol (Berl)** 1985;174(5):275–9

Isolation and some properties of Staphylococcus hyicus subsp. hyicus from pigs, chickens and cows. Takeuchi S, et al. **Nippon Juigaku Zasshi** 1985 Oct;47(5):841–3

Rings in operating theatres [letter] Dewan PA, et al. **NZ Med J** 1985 Dec 25;98(793):1094

Comparative characteristics of Staphylococcus sciuri, Staphylococcus lentus and Staphylococcus gallinarum isolated from healthy and sick hosts. Adegoke GO. **Vet Microbiol** 1986 Feb;11(1–2):185–9

Porcine bacterial flora [letter] Elliott G. **Vet Rec** 1986 Mar 1;118(9):251

[Staphylococcus intermedius in urolithiasis of mink] Witte W, et al. **Arch Exp Veterinarmed** 1985 Jul;39(4):560–4 (Eng. Abstr.) (Ger)

[Coagulase–positive and coagulase–negative Staphylococci: clinical value of microbiological studies] von Graevenitz A. **Schweiz Rundsch Med Prax** 1985 Oct 22;74(43):1165–7 (Eng. Abstr.) (Ger)

[Skin flora of the forehead of healthy adult females: distribution of staphylococcal species] Kimura M, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Feb;96(2):103–7 (Jpn)

[Microflora of the sputum and indicators of natural resistance in patients with acute pneumonia] Kondratenko GP, et al. **Ter Arkh** 1986;58(4):97–100 (Eng. Abstr.) (Rus)

[Pathogenic Staphylococci and Salmonellae in commercial yogurt] Jordano Salinas R. **Rev Sanid Hig Publica (Madr)** 1985 Nov–Dec; 59(11–12):1519–23 (Eng. Abstr.) (Spa)

METABOLISM

Binding of human serum high density lipoprotein to Staphylococcus capitis. Osland A. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Oct; 93(5):371–6

Adherence of Staphylococcus strains to human urinary and buccal epithelial cells. Carbone M, et al. **G Batteriol Virol Immunol** 1984 Jul–Dec;77(7–12):125–30

NH2–terminal localization of that part of the staphylococcal enterotoxins polypeptide chain responsible for binding with membrane receptor and mitogenic effect. Ezepchuk YuV, et al. **Int J Biochem** 1986;18(5):485–8

Decrease in adherence of bacteria and yeasts to human mucosal epithelial cells by noxythiolin in vitro. Gorman SP, et al. **J Appl Bacteriol** 1986 Apr;60(4):311–7

Clinical importance of production of slime by coagulase negative staphylococci in chronic ambulatory peritoneal dialysis [letter] Kristinsson KG, et al. **J Clin Pathol** 1986 Jan;39(1):117–8

Toxin involvement in toxic shock syndrome. Crass BA, et al. **J Infect Dis** 1986 May;153(5):918–26

Slime production as a marker for clinically significant infections with coagulase–negative staphylococci [letter] Kristinsson KG, et al. **J Infect Dis** 1986 Oct;154(4):728–9

Interactions of immunoglobulin G, fibrinogen and fibronectin with Staphylococcus hyicus and Staphylococcus intermedius. Lämmler C, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1985 Oct; 260(2):232–7

PATHOGENICITY

A staphylococcal alpha–toxin fragment. Its characterization and use for mapping biologically–active regions of alpha–toxin. Blomqvist L, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1986 Aug; 94(4):277–83

Staphylococcus saprophyticus as a urinary pathogen: a six year prospective survey. Pead L, et al. **Br Med J [Clin Res]** 1985 Oct 26;291(6503):1157–9

Stomatococcus mucilaginosus endocarditis. Prag J, et al. **Eur J Clin Microbiol** 1985 Aug;4(4):422–4

An early effect of the S component of staphylococcal leukocidin on methylation of phospholipid in various leukocytes. Noda M, et al. **Infect Immun** 1985 Oct; 50(1):142–5

Synergistic hemolysis exhibited by species of staphylococci. Hébert GA, et al. **J Clin Microbiol** 1985 Sep;22(3):409–15

Association of slime with pathogenicity of coagulase–negative staphylococci causing nosocomial septicemia. Ishak MA, et al. **J Clin Microbiol** 1985 Dec; 22(6):1025–9

Adhesion of Staphylococcus epidermidis and Staphylococcus saprophyticus to a hydrophobic biomaterial. Hogt AH, et al. **J Gen Microbiol** 1985 Sep;131 (Pt 9):2485–91

[Structural properties of toxins and the molecular mechanism of their interaction with the eucaryotic cell] Ezepchuk IuV. **Vestn Akad Med Nauk SSSR** 1985;(10):73–8 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Cell surface characteristics of coagulase–negative staphylococci and their adherence to fluorinated poly(ethylenepropylene). Hogt AH, et al. **Infect Immun** 1986 Jan;51(1):294–301

Adhesion of coagulase–negative staphylococci to methacrylate polymers and copolymers. Hogt AH, et al. **J Biomed Mater Res** 1986 Apr;20(4):533–45

The contribution of a capsule to survival of staphylococci within bovine neutrophils. Anderson JC, et al. **J Med Microbiol** 1985 Dec;20(3):317–23

Influence of bacterial adherence to intravascular catheters on in–vitro antibiotic susceptibility [letter] Edwards R, et

al. **Lancet** 1986 Feb 8;(8476):330–1

ULTRASTRUCTURE

Ultrastructure of staphylococci in respiratory infections treated with nafcillin. Ernst J, et al. **Drugs Exp Clin Res** 1985;11(6):357–60

Standardization of salt aggregation test for reproducible determination of cell-surface hydrophobicity with special reference to Staphylococcus species. Rozgonyi F, et al. **J Appl Bacteriol** 1985 Nov;59(5):451–7

STAPHYLOCOCCUS AUREUS

Detection of staphylococcal enterotoxins by enzyme-linked immunosorbent assays and radioimmunoassays: comparison of monoclonal and polyclonal antibody systems. Thompson NE, et al. **Appl Environ Microbiol** 1986 May;51(5):885–90

Phagocytosis and intracellular killing of Staphylococcus aureus by polymorphonuclear cells from synovial fluid of patients with rheumatoid arthritis. Breedveld FC, et al. **Arthritis Rheum** 1986 Feb;29(2):166–73

Evaluation of radioimmunoassay performance for staphylococcal enterotoxin in foods: application of external quality assessment survey. Dickie N, et al. **Can J Microbiol** 1986 Jul;32(7):602–4

Methicillin-susceptible "methicillin-resistant Staphylococcus aureus": a sheep in wolves' clothing. Peacock JE Jr. **Infect Control** 1986 Mar;7(3):161–3

Nucleotide sequence of the enterotoxin B gene from Staphylococcus aureus. Jones CL, et al. **J Bacteriol** 1986 Apr;166(1):29–33

Use of 51Cr release to measure the cytotoxic effects of staphylococcal leukocidin and toxin neutralization on bovine leukocytes. Loeffler DA, et al. **J Clin Microbiol** 1986 Mar;23(3):416–20

Effect of stage of lactation on transport of colloidal carbon or Staphylococcus aureus from the mammary gland lumen to lymph nodes in guinea pigs. Schenkman DI, et al. **J Dairy Res** 1985 Nov;52(4):491–500

Carryover of preformed staphylococcal enterotoxins and thermostable deoxyribonuclease from raw cow milk to Khoa—a heat-concentrated Indian milk product. Varadaraj MC, et al. **J Dairy Sci** 1986 Feb;69(2):340–3

Air sampling in operating theatres [letter] Arrowsmith LW. **J Hosp Infect** 1985 Sep;6(3):352–3

Mitogenic response of neoplastic "hairy cells" to Staphylococcus aureus Cowan I. Tamaki T, et al. **Nippon Ketsueki Gakkai Zasshi** 1985 Jul;48(4):1042–52

Morphological studies on plasma cell differentiation induced by Staphylococcus aureus Cowan I strain in human peripheral blood B-lymphocytes. Yamamura M, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Feb;49(1):101–14

Toxic shock syndrome—the role of the toxin. Bergdoll MS, et al. **Postgrad Med J** 1985;61 Suppl 1:35–8

Opsonic activity of plasma fibronectin for Staphylococcus aureus by human alveolar macrophages: inefficacy of trypsin-sensitive staphylococcal fibronectin receptor. Oishi K, et al. **Tohoku J Exp Med** 1986 May;149(1):95–102

Tubuloreticular inclusions and paired cisternae induced in human lymphocytes cultured with Staphylococcus aureus Cowan 1. Kuyama J, et al. **Ultrastruct Pathol** 1985;8(2–3):155–63

[Staphylococcal enterotoxins] Codiță I. **Rev Ig [Bacteriol]** 1985 Jul–Sep;30(3):223–40 (44 ref.) (Rum)

[Antitoxic activity of interferon preparations] Zueva VS, et al. **Antibiot Med Biotekhnol** 1985 Sep;30(9):665–8 (Eng. Abstr.) (Rus)

[Effect of staphylococcal toxin on the calcium-transporting systems of the heart muscle] Brill' GE. **Patol Fiziol Eksp Ter** 1985 Jul–Aug;(4):15–8 (Eng. Abstr.) (Rus)

[Hemolytic effect of staphylotoxin] Krasil'nikov OV, et al. **Vopr Med Khim** 1985 Nov–Dec;31(6):64–7 (Eng. Abstr.) (Rus)

ANALYSIS

The mitogenic properties of lipoteichoic acid from Staphylococcus aureus. Aasjord P, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1986 Jun;94(3):91–6

Calcium-independent bacterial activator of cyclic nucleotide phosphodiesterase and Ca2+/Mg2+-ATPase. Alakhov VYu, et al. **Biochem Biophys Res Commun** 1985 Oct 30;132(2):591–7

A rapid and simple method for the purification of staphylococcal protein A from the culture of extracellularly protein A–releasing mutant. Seki K, et al. **Microbiol Immunol** 1985;29(6):559–63

CLASSIFICATION

Mnemonic coding for reverse phage typing of Staphylococcus aureus. Rajwade SV, et al. **Indian J Med Res** 1986 Feb;83:136–8

Bacteriophage typing of Staphylococcus aureus by conventional method & after heat shock treatment. Rajwade SV, et al. **Indian J Med Res** 1985 Sep;82:191–3

Characteristics of staphylococci isolated from man, poultry and some other animals. Adegoke GO. **J Appl Bacteriol** 1986 Feb;60(2):97–102

Evaluation of rapid coagulase methods for the identification of Staphylococcus aureus. Berke A, et al. **J Clin Microbiol** 1986 May;23(5):916–9

Phage types of Staphylococcus aureus received at the Quebec Public Health Laboratory from 1976 to 1983. Jetté LP. **J Clin Microbiol** 1986 Jan;23(1):180–1

Method for the serological typing of the capsular polysaccharides of Staphylococcus aureus. Karakawa WW, et al. **J Clin Microbiol** 1985 Sep;22(3):445–7

Misidentification of mucoid variants of Staphylococcus aureus by standard laboratory techniques. Notarnicola SM, et al. **J Clin Microbiol** 1985 Sep;22(3):459–61

Characterization of clinical strains of Staphylococcus aureus associated with pneumonia. Sanford BA, et al. **J Clin Microbiol** 1986 Jul;24(1):131–6

Comparative evaluation of identification systems for testing methicillin-resistant strains of Staphylococcus aureus. Smith SM, et al. **J Clin Microbiol** 1986 Aug;24(2):173–6

Encapsulation and capsular types in isolates of Staphylococcus aureus from different sources and relationship to phage types. Sompolinsky D, et al. **J Clin Microbiol** 1985 Nov;22(5):828–34

Phage-typing of Staphylococcus aureus from cases of bacteraemia. Martín-Bourgon C. **J Hosp Infect** 1985 Dec;6(4):429–33

The basic phage set for typing bovine staphylococci. Carroll PJ, et al. **J Hyg (Lond)** 1985 Dec;95(3):665–9

Identification of nuclease-positive staphylococci isolated from animals. Gudding R, et al. **J Med Microbiol** 1985 Dec;20(3):399–402

Typing of strains of Staphylococcus aureus by Western Blot analysis of culture supernates. Krikler SJ, et al. **J Med Microbiol** 1986 Mar;21(2):169–71

Toxic shock syndrome--associated staphylococci: are New Zealand strains different? [letter] Heap M, et al. **NZ Med J** 1986 Jun 11;99(803):427

[Possibility of using seminutrient media in the phage typing of Staphylococcus aureus] Ternovskaia LN, et al. **Lab Delo** 1986;(4):245–6 (Rus)

[A nonuniform sequential procedure for diagnosing Staphylococcus aureus] Nechmirev AB. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Feb;(2):12–4 (Eng. Abstr.) (Rus)

DRUG EFFECTS

Staphylococcus aureus Tour, a selectively mouse-pathogenic strain for experimental chemotherapeutic study (a note). Uri JV, et al. **Acta Microbiol Hung** 1985;32(2):201–4

Methicillin-resistant Staphylococcus aureus bacteremia linked to intravenous drug abusers using a "shooting gallery". Craven DE, et al. **Am J Med** 1986 May;80(5):770–6

Development of antibiotic resistance by staphylococcus aureus in a single patient. Confirmation by phage typing, antibiograms, and plasmid analysis. Kozarsky PE, et al. **Am J Med** 1986 Jun;80(6):1208–12

Comparison of the activities of coumermycin, ciprofloxacin, teicoplanin, and other non-beta-lactam antibiotics against clinical isolates of methicillin-resistant Staphylococcus aureus from various geographical locations. Aldridge KE, et al. **Antimicrob Agents Chemother** 1985 Nov;28(5):634–8

In vitro activity of fosfomycin, alone and in combination, against methicillin-resistant Staphylococcus aureus. Alvarez S, et al. **Antimicrob Agents Chemother** 1985 Nov;28(5):689–90

Antistaphylococcal activity of ceforanide and cefonicid in the presence of human serum. Barry AL, et al. **Antimicrob Agents Chemother** 1986 Jan;29(1):147–9

Antimicrobial activity of ciprofloxacin against Pseudomonas aeruginosa, Escherichia coli, and Staphylococcus aureus determined by the killing curve method: antibiotic comparisons and synergistic interactions. Chalkley LJ, et al. **Antimicrob Agents Chemother** 1985 Aug;28(2):331–42

Determination of aminoglycoside resistance in Staphylococcus aureus by DNA hybridization. Dickgiesser N, et al. **Antimicrob Agents Chemother** 1986 May;29(5):930–2

In vitro and in vivo efficacy of the combination trimethoprim-sulfamethoxazole against clinical isolates of methicillin-resistant Staphylococcus aureus. Elwell LP, et al. **Antimicrob Agents Chemother** 1986 Jun;29(6):1092–4

Activity of coumermycin against clinical isolates of staphylococci. Guillemin MN, et al. **Antimicrob Agents Chemother** 1986 Apr;29(4):608–10

Serum bactericidal activity of rifampin in combination with other antimicrobial agents against Staphylococcus aureus. Hackbarth CJ, et al. **Antimicrob Agents Chemother** 1986 Apr;29(4):611–3

Expression of methicillin resistance in heterogeneous strains of Staphylococcus aureus. Hartman BJ, et al. **Antimicrob Agents Chemother** 1986 Jan;29(1):85–92

Oscillating tolerance in synchronized cultures of Staphylococcus aureus. Holzhoffer S, et al. **Antimicrob Agents Chemother** 1985 Sep;28(3):456–7

In vitro activity of an orally administered cephalosporin, LY164846, against potentially pathogenic respiratory and dermal bacterial isolates. Lauderdale BL, et al. **Antimicrob Agents Chemother** 1986 Apr;29(4):560–4

Comparative in vitro activity of coumermycin against methicillin-resistant Staphylococcus aureus. Meyers BR, et al. **Antimicrob Agents Chemother** 1985 Nov;28(5):706–7

Effects of growth of methicillin-resistant and -susceptible Staphylococcus aureus in the presence of beta-lactams on peptidoglycan structure and susceptibility to lytic enzymes. Qoronfleh MW, et al. **Antimicrob Agents Chemother** 1986 Feb;29(2):250–7

Evaluation of antibacterial agents in a high-volume bovine polymorphonuclear neutrophil Staphylococcus aureus intracellular killing assay. Sanchez MS, et al. **Antimicrob Agents Chemother** 1986 Apr;29(4):634–8

In vitro comparison of A-56619, A-56620, amifloxacin, ciprofloxacin, enoxacin, norfloxacin, and ofloxacin against methicillin-resistant Staphylococcus aureus. Smith SM. **Antimicrob Agents Chemother** 1986 Feb;29(2):325–6

Role of an altered penicillin-binding protein in methicillin- and cephem-resistant Staphylococcus aureus. Utsui Y, et al. **Antimicrob Agents Chemother** 1985 Sep;28(3):397–403

Influence of human monocytes on the antibacterial activity of kanamycin and gentamicin for Staphylococcus aureus. van den Broek PJ, et al. **Antimicrob Agents Chemother** 1986 Jun;29(6):1032–9

Bactericidal activity and killing rate of serum from volunteers receiving pefloxacin alone or in combination with amikacin. Van der Auwera P, et al. **Antimicrob Agents Chemother** 1986 Feb;29(2):230–4

Resistance to mercury and to cadmium in chromosomally resistant Staphylococcus aureus. Witte W, et al. **Antimicrob Agents Chemother** 1986 Apr;29(4):663–9

Evaluation of oxacillin tolerance in Staphylococcus aureus by a novel method. Woolfrey BF, et al. **Antimicrob Agents Chemother** 1985 Sep;28(3):381–8

Alterations due to ampicillin and rifampicin in S. sanguis and S. aureus isolated from dental plaque. An electron microscopic study. Filice G, et al. **Chemioterapia** 1986 Feb;5(1):3–6

Influence of human serum on bactericidal activity of ceftizoxime sodium. Watanabe K, et al. **Chemotherapy** 1986;32(2):113–7

In vitro evaluation of clindamycin in combination with oxacillin, rifampin, or vancomycin against Staphylococcus aureus. Ho JL, et al. **Diagn Microbiol Infect Dis** 1986 Feb;4(2):133–8

In vitro antibacterial activity of imipenem against Pseudomonas and Staphylococcus species. Comparison with thirteen other antimicrobial agents. Cristiano P, et al. **Drugs Exp Clin Res** 1985;11(1):39–48

Methicillin- and gentamicin-resistant Staphylococcus aureus: susceptibility to fosfomycin, cefamandole, N-formimidoyl-thienamycin, clindamycin, fusidic acid and vancomycin. Graninger W, et al. **Drugs Exp Clin Res** 1985;11(1):23–7

Bactericidal effects induced by laser irradiation and haematoporphyrin against gram-positive and gram-negative microorganisms. Martinetto P, et al. **Drugs Exp Clin Res** 1986;12(4):335–42

Effect of pH on the morphology of Staphylococcus aureus. Mirza J, et al. **Drugs Exp Clin Res** 1985;11(3):149–53

In vitro activity of coumermycin alone or in combination against Staphylococcus aureus and Staphylococcus epidermidis. Van der Auwera P, et al. **Drugs Exp Clin Res** 1986;12(4):307–11

Cefmetazole: a broad spectrum cephem antibiotic effective on methicillin- and cephem-resistant Staphylococcus aureus. Yokota T, et al. **Drugs Exp Clin Res** 1985;11(1):29–38

Effect of ciprofloxacin on phagocytosis. Forsgren A, et al. **Eur J Clin Microbiol** 1985 Dec;4(6):575–8

Serum bactericidal titer as a predictor of outcome in endocarditis. Hackbarth CJ, et al. **Eur J Clin Microbiol** 1986 Feb;5(1):93–7

Comparison of the serum bactericidal activity of ceftriaxone/piperacillin and ceftriaxone/netilmicin. Machka K, et al. **Eur J Clin Microbiol** 1986 Feb;5(1):115–8

Effect of human serum on inhibition of growth of Staphylococcus aureus by antimicrobial agents. Stratton CW, et al. **Eur J Clin Microbiol** 1986 Jun;5(3):351–3

Radiometric evaluation of antibacterial activity of bouvardin (NSC 259968) on Escherichia coli and Staphylococcus aureus. Basrur VS, et al. **Indian J Exp Biol** 1986 Mar;24(3):156–8

Comparative in vitro inhibitory activities of novel beta-lactam compounds against multiresistant beta-lactamase producing Staphylococcus aureus. Ray B, et al. **Indian J Med Res** 1986 May;83:453–7

Methicillin-resistant Staphylococcus aureus: clinical and laboratory features. Aldridge KE. **Infect Control** 1985 Nov;6(11):461–5

Strict versus modified isolation for prevention of nosocomial transmission of methicillin-resistant Staphylococcus aureus. Ribner BS, et al. **Infect Control** 1986 Jun;7(6):317–20

Toxic shock in a hospital employee due to methicillin-resistant Staphylococcus aureus [letter] Simmons BP, et al. **Infect Control** 1986 Jul;7(7):350

Methicillin-resistant S. aureus and S. epidermidis strains: modern hospital pathogens. Wenzel RP. **Infect Control** 1986 Feb;7(2 Suppl):118–9

In vitro and in vivo effect of immunoglobulin G on the integrity of bacterial membranes. Dalhoff A. **Infection** 1985;13 Suppl 2:S185–93

Activity of 18 antimicrobial agents against multi-resistant strains of Staphylococcus aureus isolated from intensive care patients. Duncker D, et al. **Infection** 1985 Sep–Oct;13(5):240–2

Uptake of ciprofloxacin by human neutrophils. Easmon CS, et al. **J Antimicrob Chemother** 1985 Jul;16(1):67–73

In-vivo effects of clindamycin on neutrophil function. Faden H, et al. **J Antimicrob Chemother** 1985 Nov;16(5):649–57

Penicillin-binding proteins and the intrinsic resistance to beta-lactams in gram-positive cocci. Fontana R. **J Antimicrob Chemother** 1985 Oct;16(4):412–6

The influence of protein binding on the antistaphylococcal activity of antibiotics [letter] George RH. **J Antimicrob Chemother** 1986 Apr;17(4):539–40

Physiological determination of methicillin resistance in Staphylococcus aureus: comparison of clinical and genetically derived isolates. Heneine N, et al. **J Antimicrob Chemother** 1986 Jun;17(6):705–15

Probable chromosomal mutation to resistance to all aminoglycosides in Staphylococcus aureus selected by the therapeutic use of gentamicin: a preliminary report. Heritage J, et al. **J Antimicrob Chemother** 1986 May; 17(5):571–4

Cephalosporins, vancomycin, aminoglycosides and other drugs, especially in combination, for the treatment of methicillin-resistant staphylococcal infections. Klastersky J, et al. **J Antimicrob Chemother** 1986 Mar;17 Suppl A:19–24 (19 ref.)

Timentin and beta-lactamases. Labia R, et al. **J Antimicrob Chemother** 1986 May;17 Suppl C:17–26

The influence of antibiotics on phagocyte function [letter] Millar MR, et al. **J Antimicrob Chemother** 1986 Jan; 17(1):122–3

The effect of ciprofloxacin on methicillin-resistant Staphylococcus aureus. Smith SM, et al. **J Antimicrob Chemother** 1986 Mar;17(3):287–95

Comparison of the effect of phenoxymethylpenicillin, cloxacillin, and flucloxacillin on Staphylococcus aureus phagocytosed by human monocytes. van den Broek PJ, et al. **J Antimicrob Chemother** 1986 Jun;17(6):767–74

Novobiocin and rifampicin in combination against methicillin-resistant Staphylococcus aureus: an in-vitro comparison with vancomycin plus rifampicin. Walsh TJ, et al. **J Antimicrob Chemother** 1986 Jan;17(1):75–82

Effects of clindamycin in combination with rifampicin on clindamycin-susceptible and clindamycin-resistant Staphylococcus aureus. Watanakunakorn C. **J Antimicrob Chemother** 1985 Sep;16(3):335–9

Effect of unsaturated fatty acids in growth inhibition of some penicillin-resistant and sensitive bacteria. Raychowdhury MK, et al. **J Appl Bacteriol** 1985 Aug;59(2):183–8

Use of resistant mutants to study the interaction of triton X-100 with Staphylococcus aureus. Raychaudhuri D, et al. **J Bacteriol** 1985 Dec;164(3):1337–49

Use of the Autobac system for detection of methicillin-resistant Staphylococcus aureus. de Rautlin de la Roy Y, et al. **J Clin Microbiol** 1985 Sep;22(3):467–9

Screening method for rapid detection of methicillin-resistant (heteroresistant) Staphylococcus aureus. Hansen SL, et al. **J Clin Microbiol** 1985 Nov;22(5):886–7

The role of beta-lactamase in staphylococcal resistance to penicillinase-resistant penicillins and cephalosporins. McDougal LK, et al. **J Clin Microbiol** 1986 May; 23(5):832–9

Autobac susceptibility testing of methicillin-resistant Staphylococcus aureus isolated in an Australian hospital. Putland RA, et al. **J Clin Microbiol** 1985 Nov;22(5):822–7

Gastrointestinal carriage of methicillin-resistant Staphylococcus aureus. Rimland D, et al. **J Clin Microbiol** 1986 Jul;24(1):137–8

Influence of technical factor variations on serum inhibition and bactericidal titers. Woolfrey BF, et al. **J Clin Microbiol** 1986 Jun;23(6):997–1000

In vitro growth inhibition of mastitis causing bacteria by phenolics and metal chelators. Chew BP, et al. **J Dairy Sci** 1985 Nov;68(11):3037–46

Epidemiology and control of the 'modern' methicillin-resistant Staphylococcus aureus. Casewell MW. **J Hosp Infect** 1986 Mar;7 Suppl A:1–11

Infection with methicillin-gentamicin-resistant Staphylococcus aureus strains in a paediatric surgical unit in Lisbon. Cristino JA, et al. **J Hosp Infect** 1985 Dec; 6(4):426–8

The demise of the 'old' methicillin-resistant Staphylococcus aureus. Jepsen OB. **J Hosp Infect** 1986 Mar;7 Suppl A:13–7

Properties of methicillin-resistant Staphylococcus aureus colonizing patients in a burns unit. Lacey RW, et al. **J Hosp Infect** 1986 Mar;7(2):137–48

Workshop on methicillin-resistant Staphylococcus aureus held at the headquarters of the Public Health Laboratory Service on 8 January 1985. Marples RR, et al. **J Hosp Infect** 1985 Sep;6(3):342–8

Disinfectant induced changes in the antibiotic sensitivity and phage typing pattern in Staphylococcus aureus. Sivaji Y, et al. **J Hosp Infect** 1986 May;7(3):236–43

Treatment of infections due to methicillin-resistant Staphylococcus aureus. Waldvogel FA. **J Hosp Infect** 1986 Mar;7 Suppl A:37–46

Methicillin-resistant Staphylococcus aureus (MRSA) in the German Democratic Republic. Incidence and strain-characteristics. Witte W, et al. **J Hyg Epidemiol Microbiol Immunol** 1986;30(2):185–93

Bacteriological characters of strains of Staphylococcus aureus submitted to a reference laboratory related to methicillin resistance. Marples RR, et al. **J Hyg (Lond)** 1986 Apr;96(2):217–23

An in vitro investigation of the intracellular bioactivity of amoxicillin, clindamycin, and erythromycin for Staphylococcus aureus. Anderson R, et al. **J Infect Dis** 1986 Mar;153(3):593–600

A CO2-enhanced hemolytic activity of Staphylococcus aureus associated with toxic shock syndrome: inhibition by agar. Carlson EC. **J Infect Dis** 1986 Jul;154(1):186–8

Effect of ibuprofen on gross pathology, bacterial count, and levels of prostaglandin E2 in experimental staphylococcal osteomyelitis. Rissing JP, et al. **J Infect Dis** 1986 Oct; 154(4):627–30

Effect of penicillin G on Staphylococcus aureus phagocytosed by human monocytes. van den Broek PJ, et al. **J Infect Dis** 1986 Mar;153(3):586–92

Qualitative and quantitative changes in cutaneous bacteria associated with systemic isotretinoin therapy for acne conglobata. Leyden JJ, et al. **J Invest Dermatol** 1986 Apr; 86(4):390–3

Susceptibility to antimicrobial agents and analysis of plasmids in gentamicin- and methicillin-resistant Staphylococcus aureus from Dublin hospitals. Coleman DC, et al. **J Med Microbiol** 1985 Oct;20(2):157–67

Unusual properties of Staphylococcus aureus strains of the new epidemic phage type 95. Rosdahl VT, et al. **J Med Microbiol** 1985 Dec;20(3):325–33

Drug resistance patterns and susceptibility to aflatoxin B1 of strains of Escherichia coli and Staphylococcus aureus. Tiwari RP, et al. **J Med Microbiol** 1986 Sep;22(2):115–8

Topical Fucidin [letter] Dealler S, et al. **J R Coll Gen Pract** 1986 Mar;36(284):136

Mechanism of bactericidal activity of lysolecithin and its biological implication. Kondo E, et al. **Jpn J Med Sci Biol** 1985 Aug;38(4):181–94

Antiseptic resistance in methicillin-resistant Staphylococcus aureus [letter] **Lancet** 1985 Dec 7;2(8467):1307–8

Enterotoxin production in epidemic methicillin-resistant Staphylococcus aureus [letter] Duckworth GJ, et al. **Lancet** 1986 Mar 8;1(8480):565–6

Methicillin/antiseptic-resistant Staphylococcus aureus [letter] Mycock G. **Lancet** 1985 Oct 26;2(8461):949–50

Mupirocin activity against methicillin-resistant Staphylococcus aureus [letter] Evans LH, et al. **Med J Aust** 1986 Jul 7;145(1):55–6

Comparison of effects of penicillin minimal inhibitory and sub-inhibitory concentration on Staphylococcus aureus and Streptococcus faecium does not support the view that antibiotic sub-inhibitory concentrations can specifically interfere with bacterial virulence. Satta G, et al. **Microbiologica** 1986 Jul;9(3):305–19

An electron microscopic study of the effect of clindamycin on adherence of Staphylococcus aureus to bone surfaces. Mayberry-Carson KJ, et al. **Microbios** 1986;45(182):21–32

Methicillin-resistant Staphylococcus aureus at children's hospitals in the United States. Jarvis WR, et al. **Pediatr Infect Dis** 1985 Nov-Dec;4(6):651–5

Methicillin-resistant Staphylococcus aureus bacteremia in children. Storch GA, et al. **Pediatr Infect Dis** 1986 Jan-Feb; 5(1):59–67

Combined action of amoxycillin and dicloxacillin against Staphylococcus aureus in vitro. Yousef RT, et al. **Pharmazie** 1985 Sep;40(9):650–1

Antimicrobial drug susceptibility of Staphylococcus aureus isolated from bovine mastitis. Craven N, et al. **Vet Rec** 1986 Mar 15;118(11):290–1

[Changes in the resistance of common bacterial pathogens with clinical observations in Chongqing 1980–1983] Luo MY. **Chung Hua Nei Ko Tsa Chih** 1985 May;24(5):287–91, 319 (Eng. Abstr.) (Chi)

[An epidemic in a hospital caused by a methicillin-resistant strain of Staphylococcus aureus] van Keulen PH, et al. **Ned Tijdschr Geneeskd** 1986 Mar 8;130(10):449–51 (Eng. Abstr.) (Dut)

[Problem of the in vitro sensitivity to cefamandole of methicillin-resistant Staphylococcus aureus] de Rautlin de la Roy Y, et al. **Pathol Biol (Paris)** 1985 Dec;33(10):957–61 (Eng. Abstr.) (Fre)

[Bacteriostatic and bactericidal effect of cefotaxime combinations on Staphylococcus aureus assessed by FIC and FBC-index determination] Reynaud A, et al. **Pathol Biol (Paris)** 1985 Jun;33(5 Pt 2):545–9 (Eng. Abstr.) (Fre)

[Effect of a ticarcillin-clavulanic acid (timentin) combination on bacteria resistant to ticarcillin] Rouhan D, et al. **Pathol Biol (Paris)** 1985 Jun;33(5 Pt 2):461–5 (Eng. Abstr.) (Fre)

[Effectiveness of lincomycin against Staphylococcus aureus] Naumann G. **Zahn Mund Kieferheilkd** 1986;74(4):337–41 (Eng. Abstr.) (Ger)

[Follow-up study of the antibiotic sensitivity and resistance of Staphylococcal strains cultured from osteomyelitis patients 1966–75 and 1976–80] Boda A, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1986; 29(3):215–21 (Eng. Abstr.) (Hun)

[Influence of protein binding on the antibacterial effects of 2 cephalosporins] Meinardi G, et al. **G Ital Chemioter** 1985 May-Aug;32(2):343–6 (Eng. Abstr.) (Ita)

[Distribution and changes in the susceptibility of bacteria isolated from clinical samples. II] Deguchi K, et al. **Jpn J Antibiot** 1985 Jun;38(6):1587–602 (Eng. Abstr.) (Jpn)

[Study on the drug sensitivity of multiple drug-resistant Staphylococcus aureus] Deguchi K, et al. **Jpn J Antibiot** 1985 Aug;38(8):2163–70 (Eng. Abstr.) (Jpn)

[Studies on sub-MIC activities of beta-lactam antibiotics and aminoglycoside antibiotics against clinically isolated strain] Takahashi M, et al. **Jpn J Antibiot** 1985 Dec; 38(12):3497–504 (Eng. Abstr.) (Jpn)

[Relationship between resistant pattern to antibiotics and phage type of methicillin-resistant Staphylococcus aureus] Konno M, et al. **Kansenshogaku Zasshi** 1985 Nov; 59(11):1029–40 (Eng. Abstr.) (Jpn)

[Staphylococcal bacteremia. 1. Bacteremia due to methicillin-cephem resistant Staphylococcus aureus] Shimada K, et al. **Kansenshogaku Zasshi** 1985 May; 59(5):459–63 (Eng. Abstr.) (Jpn)

[Mechanisms of drug-resistance in Staphylococcus aureus] Hashimoto H. **Nippon Hifuka Gakkai Zasshi** 1985 Oct;95(12 Suppl):1258–9 (Jpn)

[Drug susceptibility of staphylococci isolated from clinical specimens] Chihara S, et al. **Saagyo Ika Daigaku Zasshi** 1985 Dec 1;7(4):373–9 (Eng. Abstr.) (Jpn)

[Studies on the constituents in the roots of Cassia obtusifolia L. and the antimicrobial activities of constituents of the roots and the seeds] Kitanaka S, et al. **Yakugaku Zasshi** 1986 Apr;106(4):302–6 (Eng. Abstr.) (Jpn)

[Effect of antibiotics on the adhesive properties of microorganisms and an available model for its study] Brilis VI, et al. **Antibiot Med Biotekhnol** 1986 May;31(5):353–7 (Eng. Abstr.) (Rus)

[Effect of antibiotic AL-87 on the growth and ultrastructure of staphylococci] Churkina LN, et al. **Antibiot Med Biotekhnol** 1986 May;31(5):362–5 (Eng. Abstr.) (Rus)

[Fatty-acid composition of staphylococci induced by antibiotic AL-87 as a marker of their resistance or sensitivity to the given antibiotic] Smirnov VV, et al. **Antibiot Med Biotekhnol** 1985 Sep;30(9):671–5 (Eng. Abstr.) (Rus)

[Enoxacin and ciprofloxacin: in vitro effect on Enterobacteriaceae, Pseudomonas aeruginosa and Staphylococcus aureus] Roy C, et al. **Med Clin (Barc)** 1986 Jan 11;86(1):1–3 (Eng. Abstr.) (Spa)

[In vitro activity of 4 cephalosporins on gram-negative bacteria and Staphylococcus aureus of hospital origin] Herrera N, et al. **Rev Med Chil** 1985 Apr;113(4):329–33 (Eng. Abstr.) (Spa)

[In vitro antimicrobial activity of CI-919 against gram-negative bacilli and Staphylococcus aureus isolated from various pathologies] Prado V, et al. **Rev Med Chil** 1985 Feb;113(2):94–102 (Eng. Abstr.) (Spa)

ENZYMOLOGY

Amino acid sequence of the amphiphilic phosphocarrier protein factor IIILac of the lactose-specific phosphotransferase system of Staphylococcus. Stüber K, et al. **Biochemistry** 1985 Feb 26;24(5):1164–8

Effect of calcium binding on conformational changes of staphylococcal metalloproteinase measured by means of intrinsic protein fluorescence. Wasylewski Z, et al. **Biochim Biophys Acta** 1986 Jun 5;871(2):177–81

Penicillinase production in Staphylococcus aureus strains of clinical importance. Rosdahl VT. **Dan Med Bull** 1986 Aug; 33(4):175–84

A comparative study of different methods for the detection of B-lactamase in staphylococcus aureus. Chakravarti A, et al. **Indian J Med Sci** 1985 Jun;39(6):131–3

Mechanism of bacteriophage conversion of lipase activity in Staphylococcus aureus. Lee CY, et al. **J Bacteriol** 1985 Oct;164(1):288–93

In vitro studies of plasmid-mediated penicillinase from Streptococcus faecalis suggest a staphylococcal origin. Murray BE, et al. **J Clin Invest** 1986 Jan;77(1):289–93

Coagulase production by strains of Staphylococcus aureus of differing resistance characters: a comparison of two traditional methods with a latex agglutination system detecting both clumping factor and protein A. Dickson JI, et al. **J Clin Pathol** 1986 Apr;39(4):371–5

Catalase negative Staphylococcus aureus [letter] Millar M, et al. **J Clin Pathol** 1986 Jun;39(6):695

Single amino acid mutations block a late step in the folding of beta-lactamase from Staphylococcus aureus. Craig S, et al. **J Mol Biol** 1985 Oct 20;185(4):681–7

Protecting penicillin from penicillinase. Soufer D. **Microbios** 1986;45(184–185):193–8

[Interaction of human prothrombin with staphylococcal coagulase produced by the Staphylococcus aureus Newman D2 strain] Kaczmarek E. **Acta Haematol Pol** 1985 Jul-Dec;16(3–4):144–50 (Eng. Abstr.) (Pol)

[Purification and properties of staphylococcal hyaluronidase] Kvesitadze GI, et al. **Antibiot Med Biotekhnol** 1986 Feb; 31(2):138–41 (Eng. Abstr.) (Rus)

[Information value of DNAse activity in identifying Staphylococcus aureus] Kocherovskil IuE, et al. **Lab Delo** 1986;(5):300–2 (Eng. Abstr.) (Rus)

[Restriction endonuclease Sau 6782] Arutiuniunian EE, et al. **Vopr Med Khim** 1985 Nov-Dec;31(6):127–32 (Eng. Abstr.) (Rus)

GENETICS

Translocation of the chloramphenicol-resistance determinant in Staphylococcus aureus. Mlynarczyk A, et al. **Acta Microbiol Pol** 1986;35(1–2):49–56

Localisation of the penicillinase gene in naturally occurring Staphylococcus aureus strains. Rosdahl VT. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Dec;

93(6):383–8
Conjugative transfer of staphylococcal antibiotic resistance markers in the absence of detectable plasmid DNA. el Solh N, et al. **Antimicrob Agents Chemother** 1986 Jul;30(1):161–9
Fibronectin enhances transfection of Staphylococcus aureus. Thompson NE, et al. **Appl Environ Microbiol** 1985 Nov; 50(5):1315–8
A plasmid for diffusible pigment production in Staphylococcus aureus. Townsend DE, et al. **Aust J Exp Biol Med Sci** 1985 Aug;63 (Pt 4):463–72
A conjugative plasmid encoding production of a diffusible pigment and resistance to aminoglycosides and macrolides in Staphylococcus aureus. Townsend DE, et al. **Aust J Exp Biol Med Sci** 1985 Oct;63 (Pt 5):573–86
Cell fusion between L-forms and protoplasts of Staphylococcus aureus. Hirachi Y, et al. **Bikes J** 1985 Dec; 28(3–4):59–70
Kinetic and magnetic resonance studies of effects of genetic substitution of a Ca2+-liganding amino acid in staphylococcal nuclease. Serpersu EH, et al. **Biochemistry** 1986 Jan 14;25(1):68–77
Characterization of signals promoting gene expression on the Staphylococcus aureus plasmid pUB110 and development of a gram-positive expression vector system. Zyprian E, et al. **DNA** 1986 Jun;5(3):219–25
Analysis of signals for secretion in the staphylococcal protein A gene. Abrahmsén L, et al. **EMBO J** 1985 Dec 30; 4(13B):3901–6
Regulation of the inducible chloramphenicol acetyltransferase gene of the Staphylococcus aureus plasmid pUB112. Brückner R, et al. **EMBO J** 1985 Sep; 4(9):2295–300
Transposon Tn554: complete nucleotide sequence and isolation of transposition-defective and antibiotic-sensitive mutants. Murphy E, et al. **EMBO J** 1985 Dec 1; 4(12):3357–65
Analysis of protein A encoded by a mutated gene of Staphylococcus aureus Cowan I. Guss B, et al. **Eur J Biochem** 1985 Dec 16;153(3):579–85
Transformation for antibiotic resistance and haemolysin production markers in staphylococci. Mitra M, et al. **Indian J Exp Biol** 1985 Oct;23(10):585–7
Cloning and expression of an APH(3')-III phosphotransferase from Staphylococcus aureus in Streptomyces lividans. Crameri R, et al. **J Antibiot (Tokyo)** 1985 Sep;38(9):1246–50
Beta-lactam antibiotics increase the frequency of plasmid transfer in Staphylococcus aureus. Barr V, et al. **J Antimicrob Chemother** 1986 Apr;17(4):409–13
MLS-resistance determinants in Staphylococcus aureus and their molecular evolution. Novick RP, et al. **J Antimicrob Chemother** 1985 Jul;16 Suppl A:101–10
Plasmids of Staphylococcus aureus associated with live and processed poultry. Thompson JK, et al. **J Appl Bacteriol** 1986 Apr;60(4):277–87
Additional DNA in methicillin-resistant Staphylococcus aureus and molecular cloning of mec-specific DNA. Beck WD, et al. **J Bacteriol** 1986 Feb;165(2):373–8
Cloning and expression of the phospho-beta-galactosidase gene of Staphylococcus aureus in Escherichia coli. Breidt F Jr, et al. **J Bacteriol** 1986 Jun;166(3):1061–6
Expression of the staphylococcal protein A gene in Bacillus subtilis by gene fusions utilizing the promoter from a Bacillus amyloliquefaciens alpha-amylase gene. Fahnestock SR, et al. **J Bacteriol** 1986 Mar;165(3):796–804
Plasmid instability in regenerating protoplasts of Staphylococcus aureus is caused by aberrant cell division. Gruss A, et al. **J Bacteriol** 1986 Mar;165(3):878–83
Cloning and expression of the exfoliative toxin B gene from Staphylococcus aureus. Jackson MP, et al. **J Bacteriol** 1986 May;166(2):574–80
Sequence of the exfoliative toxin B gene of Staphylococcus aureus. Jackson MP, et al. **J Bacteriol** 1986 Aug; 167(2):726–8
Nucleotide sequence of the constitutive macrolide-lincosamide-streptogramin B resistance plasmid pNE131 from Staphylococcus epidermidis and homologies with Staphylococcus aureus plasmids pE194 and pSN2. Lampson BC, et al. **J Bacteriol** 1986 Sep;167(3):888–92
Export defect adjacent to the processing site of staphylococcal nuclease is suppressed by a prlA mutation. Liss LR, et al. **J Bacteriol** 1985 Nov;164(2):925–8
Molecular cloning of the gene of a penicillin-binding protein supposed to cause high resistance to beta-lactam antibiotics in Staphylococcus aureus. Matsuhashi M, et al. **J Bacteriol** 1986 Sep;167(3):975–80
Genetics of multiply-resistant Staphylococcus aureus. Kayser FH, et al. **J Hosp Infect** 1986 Mar;7 Suppl A:19–27
Transformation of a plasmid encoding an adhesin of Staphylococcus aureus into a nonadherent staphylococcal strain. Dunkle LM, et al. **J Infect Dis** 1986 Apr; 153(4):670–5
Isolation and characterisation of a family of small plasmids encoding resistance to nucleic acid-binding compounds in Staphylococcus aureus. Emslie KR, et al. **J Med Microbiol** 1986 Aug;22(1):9–15
A resistance determinant to nucleic acid-binding compounds in methicillin-resistant Staphylococcus aureus. Emslie KR, et al. **J Med Microbiol** 1985 Oct;20(2):139–45
Characterisation of chloramphenicol resistance plasmids of Staphylococcus aureus and S. epidermidis by restriction enzyme mapping techniques. Tennent JM, et al. **J Med Microbiol** 1986 Aug;22(1):79–84
Comparison of phage-mediated and conjugative transfer of staphylococcal plasmids in vitro and in vivo. Townsend DE, et al. **J Med Microbiol** 1986 Sep;22(2):107–14
Transfer of plasmid-borne aminoglycoside-resistance determinants in staphylococci. Townsend DE, et al. **J Med Microbiol** 1985 Oct;20(2):169–85
Messenger RNA from Staphylococcus aureus that specifies macrolide-lincosamide-streptogramin resistance. Demonstration of its conformations and of the leader peptide it encodes. Mayford M, et al. **J Mol Biol** 1985 Oct 20;185(4):769–80
Clinical isolates of staphylococci conjugate on contact with dry absorbent surfaces [letter] Townsend DE, et al. **Med J Aust** 1986 Feb 3;144(3):166
Streptococcal pyrogenic exotoxin type A (scarlet fever toxin) is related to Staphylococcus aureus enterotoxin B. Johnson LP, et al. **MGG** 1986 May;203(2):354–6
Regulation of exoprotein gene expression in Staphylococcus aureus by agar. Recsei P, et al. **MGG** 1986 Jan;202(1):58–61
Nucleotide sequence of the Staphylococcus aureus PC1 beta-lactamase gene. Chan PT. **Nucleic Acids Res** 1986 Jul 25;14(14):5940
Saccharomyces cerevisiae ARS on a plasmid from Staphylococcus aureus. Goze A, et al. **Plasmid** 1985 Nov; 14(3):255–60
RepC is rate limiting for pT181 plasmid replication. Manch-Citron JN, et al. **Plasmid** 1986 Sep;16(2):108–15
Molecular cloning and analysis of Staphylococcus aureus chromosomal aminoglycoside resistance genes. el Solh N, et al. **Plasmid** 1986 Mar;15(2):104–18 (74 ref.)
The replication initiator protein of plasmid pT181 has sequence-specific endonuclease and topoisomerase-like activities. Koepsel RR, et al. **Proc Natl Acad Sci USA** 1985 Oct;82(20):6845–9
Single-stranded plasmid DNA in Bacillus subtilis and Staphylococcus aureus. te Riele H, et al. **Proc Natl Acad Sci USA** 1986 Apr;83(8):2541–5
[Development of resistance in Staphylococcus aureus] Gelmi M, et al. **G Ital Chemioter** 1985 Jan-Apr;32(1):185–93 (Eng. Abstr.) **(Ita)**
[Nucleotide sequence and physical map of kanamycin-resistant plasmid pUB110 from Staphylococcus aureus] Bashkirov VI, et al. **Genetika** 1986 Jul; 22(7):1081–92 (Eng. Abstr.) **(Rus)**
[Replication in yeasts of plasmid pE194 from Staphylococcus aureus] Polumienko AL, et al. **Mol Biol (Mosk)** 1986 Jan-Feb;20(1):219–23 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Staphylococcus aureus and etretinate [letter] James WD. **Arch Dermatol** 1986 Sep;122(9):976–7
Antibacterial activity of BCG-induced, interferon-containing sera. Moulton RG, et al. **Can J Microbiol** 1986 May;32(5):442–5
Effect of vaginal contraceptive sponges on growth of toxic shock syndrome-associated Staphylococcus aureus in vitro. Stumpf PG, et al. **Contraception** 1986 Apr;33(4):395–9
Use of double antibody & Staphylococcus aureus as a separating agent in RIA of thyroglobulin. Kumar A, et al. **Indian J Med Res** 1985 Sep;82:248–53
Evaluation of an improved MPN medium for recovery of stressed and nonstressed Staphylococcus aureus. Lancette GA, et al. **J Assoc Off Anal Chem** 1986 Jan-Feb;69(1):44–6
Bacterial inhibition by electrical activation of percutaneous silver implants. Spadaro JA, et al. **J Biomed Mater Res** 1986 May-Jun;20(5):565–77
Nasal carriage of Staphylococcus aureus and antistaphylococcal immunoglobulin E antibodies in atopic dermatitis. Falanga V, et al. **J Clin Microbiol** 1985 Sep; 22(3):452–4
Growth and enterotoxin production of Staphylococcus aureus in shrimp. Beckers HJ, et al. **J Hyg (Lond)** 1985 Dec;95(3):685–93
Inhibition of bacterial adhesion by antibacterial surface pretreatment of vascular prostheses. Webb LX, et al. **J Vasc Surg** 1986 Jul;4(1):16–21
Influence of the cultivation, devitalization and preservation of Staphylococcus aureus ATCC 12598 on the activity of cell-bound protein A. Ansorg RA, et al. **Med Microbiol Immunol (Berl)** 1986;174(6):305–12
Massive induction of Staphylococcus aureus unstable L-forms in a liquid medium. Yabu K. **Microbiol Immunol** 1986;30(3):275–81
Effect of an elevated level of carbon dioxide containing atmosphere on the growth of spoilage and pathogenic bacteria at 2, 7, and 13 C. Baker RC, et al. **Poult Sci** 1986 Apr;65(4):729–37
[Digestive and cutaneous colonization of Staphylococcus aureus, Pseudomonas aeruginosa and Corynebacterium xerosis in germ-free hairless mice] Bourlioux P, et al. **Ann Inst Pasteur Microbiol** 1985 Jul-Aug;136B(1):93–7 (Eng. Abstr.) **(Fre)**
[Results of model trials on the survival of bacteria on surfaces with special reference to the kind of material and pathogen density] Kleiner U, et al. **Z Gesamte Hyg** 1985 Aug; 31(8):456–9 (Eng. Abstr.) **(Ger)**
[Analysis of growth curves of Trichomonas vaginalis in the presence of Staphylococcus aureus and Escherichia coli] Horwatt E. **Wiad Parazytol** 1985;31(2):113–23 (Eng. Abstr.) **(Pol)**
[Optimal conditions for culturing Staphylococcus aureus strain A-676 to obtain biologically active protein A] Shchetinina EV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Dec;(12):9–12 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Antibodies to staphylococcal teichoic acid and alpha toxin in patients with cystic fibrosis. Ericsson A, et al. **Acta Paediatr Scand** 1986 Jan;75(1):139–44
Antibody response against whole Staphylococcus aureus in patients with staphylococcal septicaemia and endocarditis investigated by ELISA. Jarløv JO, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Aug; 93(4):307–13
Antibodies to lipoteichoic acid from Staphylococcus aureus. Specificity of murine monoclonal and human antibodies. Aasjord P, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1985 Dec; 93(6):245–50
Production of leukotriene B4 by polymorphonuclear leukocytes during phagocytosis of Staphylococcus aureus. Henricks PA, et al. **Agents Actions** 1986 Jan;17(3–4):388–9
Activation of human basophils by Staphylococcus aureus Cowan I. II. Alternative F(ab')-mediated mechanism. Marone G, et al. **Agents Actions** 1985 Jul;16(5):359–62
Pasteurella haemolytica leukotoxin: chemiluminescent responses of peripheral blood leukocytes from several different mammalian species to leukotoxin- and opsonin-treated living and killed Pasteurella haemolytica and Staphylococcus aureus. Chang YF, et al. **Am J Vet Res** 1986 Jan;47(1):67–74
IgE antibodies to Staphylococcus aureus [letter] Christophersen J, et al. **Arch Dermatol** 1986 Sep;122(9):971
Staphylococcus aureus--toxic shock syndrome toxin-1 antibody titers in serum of German women. Loch EG, et al. **Arch Gynecol** 1986;237(4):229–33
Influence of dipeptides on the interaction of immunoglobulins with bacterial Fc receptors. Yarnall M, et al. **Biochem Biophys Res Commun** 1986 Mar 28;135(3):1105–11
The in vitro effects of methotrexate on the phagocytosis and intracellular killing of Staphylococcus aureus by human neutrophils. Johnson JD, et al. **Cancer** 1986 Jun 15; 57(12):2343–5
Different reactivity of activated human B cells to B-cell growth factor and interleukin 2 in the costimulation assay with anti-IgM antibody and in the preactivation assay with Staphylococcus bacteria. Almerigogna F, et al. **Cell Immunol** 1985 Oct 15;95(2):358–67
Immunomodulation of human leukocytes by staphylococcal enterotoxin A: augmentation of natural killer cells and induction of suppressor cells. Platsoucas CD, et al. **Cell Immunol** 1986 Feb;97(2):371–85
Mitogenic response of neoplastic B cells: comparison of reactivity to Staphylococcus aureus Cowan I and anti-immunoglobulin antibodies. Tamaki T, et al. **Clin Exp Immunol** 1986 Apr;64(1):181–7
Evaluation of the teichoic acid antibody assay using a commercial antigen. Van der Auwera P, et al. **Eur J Clin Microbiol** 1985 Dec;4(6):601–3
Recombinant interleukin 2 induces immunoglobulin secretion in Staphylococcus aureus Cowan strain I activated human B-cells. Devos R, et al. **Immunol Lett** 1985;11(2):101–5
Phagocytosis of staphylococci by human polymorphonuclear leukocytes is enhanced in the presence of endothelial cells. Vandenbroucke-Grauls CM, et al. **Infect Immun** 1985 Oct; 50(1):250–4
Human polymorphonuclear leukocytes release leukotriene B4 during phagocytosis of Staphylococcus aureus. Henricks PA, et al. **Inflammation** 1986 Mar;10(1):37–47
Staphylococcus aureus Cowan I. Potent stimulus of immunoglobulin M rheumatoid factor production. Levinson AI, et al. **J Clin Invest** 1986 Sep;78(3):612–7
Implications for the role of cognate interactions in in vitro human B cell activation by Staphylococcus aureus Cowan I and pokeweed mitogen. Suzuki N, et al. **J Clin Invest** 1986 Jan;77(1):294–300
Enzyme-linked immunosorbent assay for detection of antibodies to Staphylococcus aureus cell walls in experimental osteomyelitis. Jacob E, et al. **J Clin Microbiol** 1985 Oct;22(4):547–52
Selective phagocytosis of gram-positive bacteria and interleukin 1-like factor production by a subpopulation of large granular lymphocytes. Abo T, et al. **J Immunol** 1986 May 1;136(9):3189–97
Effects of cyclosporine on pulmonary clearance of Staphylococcus aureus and Pseudomonas aeruginosa. Nugent KM, et al. **J Infect Dis** 1986 Aug;154(2):352–5
Distinguishing complicated from uncomplicated bacteremia caused by Staphylococcus aureus: the value of "new" and "old" serological tests.Verbrugh HA, et al. **J Infect Dis** 1986 Jan;153(1):109–15
Staphylococcus aureus-derived chemoattractant activity for human monocytes. Rot A, et al. **J Leukocyte Biol** 1986 Jul;40(1):43–53
Binding of chicken, bovine, and rabbit immunoglobulins by avian, bovine, and human strains of Staphylococcus aureus. Schwan WR, et al. **Poult Sci** 1986 Apr;65(4):696–703
[Effect of autologous milk and blood serum on the phagocytic activity of neutrophilic granulocytes in the blood and milk of cows] Heyermann H, et al. **Zentralbl Veterinarmed [B]** 1985 Aug;32(7):488–97 (Eng. Abstr.) **(Ger)**
[Serological properties of specific immunoglobulin against

the Smith strain of Staphylococcus aureus extracted from human sera] Yoshida K, et al. **Kansenshogaku Zasshi** 1985 May;59(5):433–8 (Eng. Abstr.) **(Jpn)**

[Polyclonal antibody secretion in mouse spleen cells induced by staphylococcal phage lysate (SPL)] Lee B, et al. **Yakugaku Zasshi** 1985 Aug;105(8):747–50 (Eng. Abstr.) **(Jpn)**

[Possible role of opsonins in adsorption and transport of biological membranes and viruses by Staphylococci] Bykov AS, et al. **Biull Eksp Biol Med** 1986 Jan;101(1):68–71 (Eng. Abstr.) **(Rus)**

[Biological properties and cross-reacting antigens of staphylococcus in allergic vasculitis] Shaposhnikov OK, et al. **Vestn Dermatol Venerol** 1986;(6):4–8 (Eng. Abstr.) **(Rus)**

[Range of the antigenic specificity of peptidoglycan in Staphylococcus aureus compared to other representatives of the Staphylococcus genus] Astaf'ev DG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Jul;(7):48–51 (Eng. Abstr.) **(Rus)**

[Chemiluminescence of human neutrophils as affected by opportunistic microbes] Belotskil SM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Mar;(3):89–92 (Eng. Abstr.) **(Rus)**

[Structural characteristics of staphylococcal populations with various immunobiological exposures in an experiment] Bel'skil VV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Feb;(2):77–81 (Eng. Abstr.) **(Rus)**

[Effect of delayed hypersensitivity due to Staphylococcus or BCG vaccine on the sensitivity of animals to infection with heterologous bacteria or influenza virus] Gordienko SM. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Jul;(7):83–8 (Eng. Abstr.) **(Rus)**

[Mitogenic activity of the antigens isolated from different Staphylococcus aureus strains in relation to mouse and guinea pig splenocytes] Khorobrykh VV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 May;(5):67–73 (Eng. Abstr.) **(Rus)**

[Neutrophil-stimulating activity of staphylococci based on reactive chemiluminescence data] Nevmiatullin AL, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Jul;(7):67–71 (Eng. Abstr.) **(Rus)**

[Immunochemical profile of Staphylococcus aureus exoproducts] Nosova TV. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Nov;(11):41–3 (Eng. Abstr.) **(Rus)**

[Staphylococcal infection in guinea pigs sensitized with a commercial staphylococcal allergen] Pashutin SB, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Jul;(7):103–6 (Eng. Abstr.) **(Rus)**

[Dynamics of staphylococcal infection in guinea pigs with delayed hypersensitivity to Staphylococcus aureus surface antigens] Pashutin SB, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Sep;(9):77–80 (Eng. Abstr.) **(Rus)**

[Effect of bacterial antigens on the functional capacity of immunocompetent cells] Savitskaia KI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Nov;(11):69–72 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Nosocomial infections with methicillin and tobramycin resistant Staphylococcus aureus—implication of physiotherapy in hospital-wide dissemination. Rimland D. **Am J Med Sci** 1985 Sep;290(3):91–7

Evaluation of culture media for recovery of Staphylococcus aureus from swimming pools. Alico RK, et al. **Appl Environ Microbiol** 1986 Apr;51(4):699–702

Pulmonary recruitment of neutrophils and bacterial clearance in mice inoculated with aerosols of Pasteurella haemolytica or Staphylococcus aureus. Martinez-Burnes J, et al. **Can J Comp Med** 1985 Jul;49(3):327–32

Tracheal versus pulmonary deposition and clearance of inhaled Pasteurella haemolytica or Staphylococcus aureus in mice. Rodriguez LM, et al. **Can J Comp Med** 1985 Jul; 49(3):323–6

Enterotoxigenic Staph aureus of different phage groups as seen in Manipal. Sarvamangala Devi JN, et al. **Indian J Public Health** 1984 Oct-Dec;28(4):185–8

Methicillin-resistant Staphylococcus aureus: how reliable is laboratory reporting? Fleming DW, et al. **Infect Control** 1986 Mar;7(3):164–7

Application of current methods for isolation and identification of staphylococci in raw bovine milk. Harvey J, et al. **J Appl Bacteriol** 1985 Sep;59(3):207–21

A note on the isolation of Staphylococcus aureus from raw minced meat. Isigidi BK, et al. **J Appl Bacteriol** 1985 Nov; 59(5):403–6

Colonization of newly arrived house staff by virulent staphylococcal phage types endemic to a hospital environment. Ballou WR, et al. **J Clin Microbiol** 1986 Jun; 23(6):1030–3

Comparison of a yellow latex reagent with other agglutination methods for the identification of Staphylococcus aureus. Brown WJ. **J Clin Microbiol** 1986 Mar;23(3):640–2

Screening method for recovery of methicillin-resistant Staphylococcus aureus from primary plates. La Zonby JG, et al. **J Clin Microbiol** 1986 Aug;24(2):186–8

Evaluation of the newly modified AutoMicrobic system gram-positive susceptibility-MIC card for detection of methicillin-resistant Staphylococcus aureus. Lally RT, et al. **J Clin Microbiol** 1986 Feb;23(2):387

Evaluation of mannitol salt agar with oxacillin as a screening medium for methicillin-resistant Staphylococcus aureus. Lally RT, et al. **J Clin Microbiol** 1985 Oct;22(4):501–4

Inoculum size and lot-to-lot variation as significant variables in the tube coagulase test for Staphylococcus aureus. Selepak ST, et al. **J Clin Microbiol** 1985 Nov;22(5):835–7

International outbreak of staphylococcal food poisoning caused by contaminated lasagne. Woolaway MC, et al. **J Hyg (Lond)** 1986 Feb;96(1):67–73

Nasal carriage of toxigenic Staphylococcus aureus and prevalence of serum antibody to toxic-shock-syndrome toxin 1 in Utah. Jacobson JA, et al. **J Infect Dis** 1986 Feb; 153(2):356–9

Staphylococcus aureus bacteremia: clinical-bacteriological study of 28 cases. Igari J, et al. **Kansenshogaku Zasshi** 1985 Dec;59(12):1225–30

Thermonuclease testing: the rapid identification of Staphylococcus aureus in blood culture. Rigby A. **Med Lab Sci** 1986 Apr;43(2):196–8

A simple method for counting Staphylococcus aureus in swimming pool water. Mates A, et al. **Microbios** 1986; 46(186):45–9

Staphylococcus aureus nasal carriage and infection in patients on hemodialysis. Efficacy of antibiotic prophylaxis. Yu VL, et al. **N Engl J Med** 1986 Jul 10;315(2):91–6

An analysis of blood culture isolates from 7 South African teaching hospital centres. van den Ende J, et al. **S Afr Med J** 1986 Jan 18;69(2):89–93

Screening of clinical S. aureus-isolates for the production of exfoliative toxin. A methodological study. Elsner P, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1985 Oct; 260(2):216–20

[Coagulase-positive and coagulase-negative Staphylococci: clinical value of microbiological studies] von Graevenitz A. **Schweiz Rundsch Med Prax** 1985 Oct 22;74(43):1165–7 (Eng. Abstr.) **(Ger)**

[A case of toxic shock syndrome] Yanaoka M, et al. **Kansenshogaku Zasshi** 1986 Feb;60(2):183–8 (Eng. Abstr.) **(Jpn)**

[Bacteriological study on specimens from Department of Emergency and Critical Care Medicine (DECCM), Nippon Medical School. Staphylococcus aureus as viewed from the standpoint of hospital infection] Ko MS, et al. **Nippon Ika Daigaku Zasshi** 1985 Oct;52(5):585–93 (Eng. Abstr.) **(Jpn)**

[Persistence of Staphylococcus aureus in the pharynx of children with chronic tonsillitis treated with autovaccine] Giedrys-Galant S, et al. **Pediatr Pol** 1985 Nov-Dec; 60(11–12):761–7 (Eng. Abstr.) **(Pol)**

[Use of Levine's medium for isolating coagulase-positive Staphylococci] Sypchenko ALa, et al. **Lab Delo** 1985; (7):430–2 (Eng. Abstr.) **(Rus)**

[Biological and morphological differences in staphylococci seeded from foci of the lesion and from the nasopharyngeal mucosa of chronic pyoderma patients] Bukharovich AM. **Vestn Dermatol Venerol** 1985 Sep;(9):22–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Transport and processing of staphylococcal enterotoxin A. Christianson KK, et al. **Appl Environ Microbiol** 1985 Sep; 50(3):696–7

Enterotoxin A production in Staphylococcus aureus: inhibition by glucose. Smith JL, et al. **Arch Microbiol** 1986 Mar;144(2):131–6

Inhibition of wall autolysis of staphylococci by sodium polyanethole sulfonate "liquoid". Wecke J, et al. **Arch Microbiol** 1986 Mar;144(2):110–5

In vitro [3H]-erythromycin binding to Staphylococcus aureus. Barre J, et al. **Biochem Pharmacol** 1986 Mar 15; 35(6):1001–4

Alanyl lipoteichoic acid of Staphylococcus aureus: functional and dynamic aspects. Fischer W, et al. **Biochem Soc Trans** 1985 Dec;13(6):984–6

Specific binding of collagen to Staphylococcus aureus. Holderbaum D, et al. **Coll Relat Res** 1985 Jun;5(3):261–71

Biosynthesis of wall teichoic acids in Staphylococcus aureus H, Micrococcus varians and Bacillus subtilis W23. Involvement of lipid intermediates containing the disaccharide N-acetylmannosaminyl N-acetylglucosamine. Harrington CR, et al. **Eur J Biochem** 1985 Dec 16; 153(3):639–45

Penicillin-binding proteins of beta-lactam-resistant strains of Staphylococcus aureus. Effect of growth conditions. Reynolds PE, et al. **FEBS Lett** 1985 Nov 11;192(1):28–32

Epidermolytic toxin from Staphylococcus aureus binds to filaggrins. Smith TP, et al. **FEBS Lett** 1986 Jan 6; 194(2):309–12

Effects of human serum on bacterial competition with neutrophils for molecular oxygen. Britigan BE, et al. **Infect Immun** 1986 Jun;52(3):657–63

Binding of Staphylococcus aureus by human serum spreading factor in an in vitro assay. Fuquay JI, et al. **Infect Immun** 1986 Jun;52(3):714–7

Regulation of staphylococcal toxic shock syndrome toxin-1 and total exoprotein production by magnesium ion. Mills JT, et al. **Infect Immun** 1986 Sep;53(3):663–70

Uptake of iron from hemoglobin and the haptoglobin-hemoglobin complex by hemolytic bacteria. Francis RT Jr, et al. **Int J Biochem** 1985;17(7):767–73

Accumulation of gentamicin by Staphylococcus aureus: the role of the transmembrane electrical potential. Gilman S, et al. **J Antimicrob Chemother** 1986 Jan;17(1):37–44

Maintenance of D-alanine ester substitution of lipoteichoic acid by reesterification in Staphylococcus aureus. Koch HU, et al. **J Bacteriol** 1985 Dec;164(3):1211–7

Binding of collagen to Staphylococcus aureus Cowan 1. Speziale P, et al. **J Bacteriol** 1986 Jul;167(1):77–81

Kinetics of receptor modification. The multiply methylated aspartate receptors involved in bacterial chemotaxis. Terwilliger TC, et al. **J Biol Chem** 1986 Aug 15; 261(23):10814–20

Involvement of staphylococcal enterotoxins in nonmenstrual toxic shock syndrome. Crass BA, et al. **J Clin Microbiol** 1986 Jun;23(6):1138–9

Importance of exfoliatin toxin A production by Staphylococcus aureus strains isolated from clustered epidemics of neonatal pustulosis. Kaplan MH, et al. **J Clin Microbiol** 1986 Jan;23(1):83–91

Production of toxic-shock-syndrome toxin-1: effect of magnesium ion [letter] Mills JT, et al. **J Infect Dis** 1986 May;153(5):993–4

Magnesium and the production of toxic-shock-syndrome toxin-1 by Staphylococcus aureus [letter] Tierno PM Jr, et al. **J Infect Dis** 1986 May;153(5):994–6

The expression of capsule in serum-soft agar by Staphylococcus aureus isolated from human clinical sources. Opdebeeck JP, et al. **J Med Microbiol** 1985 Oct; 20(2):275–8

Toxic shock syndrome toxin [letter] Hanna BA, et al. **JAMA** 1985 Oct 18;254(15):2062

Ribosomal RNA methylation in Staphylococcus aureus and Escherichia coli: effect of the "MLS" (erythromycin resistance) methylase. Thakker-Varia S, et al. **Plasmid** 1985 Sep;14(2):152–61

Serological detection of enterotoxin from food poisoning strains of Staphylococcus aureus isolated in Malaysia. Lim YS, et al. **Singapore Med J** 1985 Jun;26(3):304–6

[In vitro production of toxic shock toxin by Staphylococcus aureus in tampons] Fujikawa H, et al. **Kansenshogaku Zasshi** 1985 Jul;59(7):674–9 (Eng. Abstr.) **(Jpn)**

[Study on production of toxic shock syndrome toxin in Staphylococcus aureus isolated from clinical specimens] Kawakami H, et al. **Kansenshogaku Zasshi** 1986 Feb; 60(2):133–40 (Eng. Abstr.) **(Jpn)**

PATHOGENICITY

Pathogenicity and virulence of methicillin resistant Staphylococcus aureus: slime layer production. Rozgonyi F, et al. **Acta Microbiol Hung** 1985;32(2):155–65

The influence of isoprinosine (ISO) on some cell immunity parameters in mice infected with influenza viruses and in mixed viral-bacterial infections. I. The release of the migration inhibiting factor from spleen leukocytes. Bialek J, et al. **Arch Immunol Ther Exp (Warsz)** 1985;33(6):735–9

Staphylococcus aureus: characters associated with its pathogenicity and sensitivity to antibiotics. Savoia D, et al. **Boll Ist Sieroter Milan** 1985;64(4):274–80

The virulence of strains of Corynebacterium bovis in the mammary gland of the mouse and the effect of corynebacterial mastitis on subsequent infection with Staphylococcus aureus. Honkanen-Buzalski T, et al. **Br Vet J** 1985 Sep-Oct;141(5):519–28

Enterotoxigenicity of Staphylococcus aureus isolated from clinical sources. Naidu AS, et al. **Indian J Pathol Microbiol** 1985 Oct;28(4):333–40

Methicillin-resistant Staphylococcus aureus (MRSA): risk and outcome of colonized vs. infected patients. Longfield JN, et al. **Infect Control** 1985 Nov;6(11):445–50

Hormonal influence on experimental infections by a toxic shock strain of Staphylococcus aureus. Best GK, et al. **Infect Immun** 1986 Apr;52(1):331–3

Expression of the cloned toxic shock syndrome toxin 1 gene (tst) in vivo with a rabbit uterine model. de Azavedo JC, et al. **Infect Immun** 1985 Oct;50(1):304–9

Bacterial adherence to human endothelial cells in vitro. Ogawa SK, et al. **Infect Immun** 1985 Oct;50(1):218–24

Attachment of Staphylococcus aureus to polymethylmethacrylate increases its resistance to phagocytosis in foreign body infection. Vaudaux PE, et al. **Infect Immun** 1985 Nov;50(2):472–7

Persistence of staphylococcal cell-wall components in inflammatory sites may be due to the modulation by sulphated polyelectrolytes of autolytic wall enzymes: a working hypothesis. Ginsburg I, et al. **Int J Tissue React** 1985;7(4):255–61

Slime production by bovine milk Staphylococcus aureus and identification of coagulase-negative staphylococcal isolates. Rather PN, et al. **J Clin Microbiol** 1986 May; 23(5):858–62

Mechanisms of pathogenicity of multi-resistant Staphylococcus aureus. Coleman DC, et al. **J Hosp Infect** 1986 Mar;7 Suppl A:29–35

The effect of staphylococcal enterotoxin B on pheromone production in fat bodies isolated from male boll weevils. Wiygul G, et al. **J Invertebr Pathol** 1986 Jan;47(1):116–9

Staphylococcus aureus: biology, mechanisms of virulence, epidemiology. Cohen ML. **J Pediatr** 1986 May;108(5 Pt 2):796–9

[Resistance to the antibacterial action of blood as 1 of the biological characteristics of Staphylococcus] Zakarian LM. **Lab Delo** 1985;(12):750–2 (Eng. Abstr.) **(Rus)**

[Variability of the pathogenicity traits of populations of staphylococci in a surgical hospital] Chernevskaia OM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Jul;(7):29–32 (Eng. Abstr.) **(Rus)**

[Staphylococcal adherence to rabbit epithelial cells] Vershigora AE, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 May;(5):37–41 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Possible physiological functions of penicillin-binding proteins in Staphylococcus aureus. Georgopapadakou NH, et al. **Antimicrob Agents Chemother** 1986 Feb;29(2):333–6

The adherence of Staphylococcus aureus to human corneocytes. Cole GW, et al. **Arch Dermatol** 1986 Feb; 122(2):166–9

Detection of staphylococcal membrane receptors on virus-infected cells by direct adhesin overlay. Sanford BA, et al. **Infect Immun** 1986 Jun;52(3):671–5

Modification of interactions between neutrophils and staphylococci by lysosomotropic weak bases. Styrt B, et al. **Infect Immun** 1985 Nov;50(2):415–9

The adherence of Staphylococcus aureus, Staphylococcus epidermidis and Escherichia coli on cotton, polyester and their blends. Hsieh YL, et al. **J Appl Bacteriol** 1986 Jun; 60(6):535–44

Microbial adhesion: a source of infection in patients fed by enteral feeding [letter] Anderton A. **J Hosp Infect** 1986 Mar;7(2):205–8

The contribution of a capsule to survival of staphylococci within bovine neutrophils. Anderson JC, et al. **J Med Microbiol** 1985 Dec;20(3):317–23

Protein-mediated adhesion of Staphylococcus aureus to silicone implant polymer. Barrett SP. **J Med Microbiol** 1985 Oct;20(2):249–53

Lysogenicity of methicillin-resistant strains of Staphylococcus aureus. Beard-Pegler MA, et al. **J Med Microbiol** 1985 Oct;20(2):147–55

Bactericidal activity of the membrane fraction isolated from phagocytes of mice and its stimulation by melittin. Kondo E, et al. **Jpn J Med Sci Biol** 1986 Feb;39(1):9–20

Toxic shock syndrome: the effect of solid phase materials on the physiology of Staphylococcus aureus. Holland KT, et al. **Postgrad Med J** 1985;61 Suppl 1:39–43

Staphylococcus aureus adherence to influenza A virus-infected and control cell cultures: evidence for multiple adhesins. Sanford BA, et al. **Proc Soc Exp Biol Med** 1986 Jan;181(1):104–11

[Biological characteristics of bacteria during the Cytos-2 Soviet-French space experiment] Zaloguev SN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Aug;(8):3–7 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Bacteriophages in L form of Staphylococcus aureus. Schmid EN. **J Bacteriol** 1985 Oct;164(1):397–400

Scanning electron microscopy studies of staphylococcal adherence to heart valve endothelial cells in organ culture: an in vitro model of acute endocarditis. Cooper MD, et al. **Scan Electron Microsc** 1985;(Pt 3):1231–7

[Ultrastructural characteristics of stable L forms of some bacterial species] Mikhallova L, et al. **Acta Microbiol Bulg** 1985;17:52–7 (Eng. Abstr.) **(Bul)**

[Water-soluble derivatives of factor IA of pristinamycins. Interaction with the bacterial ribosome] Aumercier M, et al. **Pathol Biol (Paris)** 1985 Jun;33(5 Pt 2):497–501 (Eng. Abstr.) **(Fre)**

STAPHYLOCOCCUS EPIDERMIDIS

[Perifollicular elastolysis. Discussion of the role of secretory elastase from Staphylococcus epidermidis] Lemarchand-Venencie F, et al. **Ann Dermatol Venereol** 1985;112(9):735–6 **(Fre)**

CLASSIFICATION

Comparison of the MicroScan system with the API Staph-Ident system for species identification of coagulase-negative staphylococci. Hussain Z, et al. **J Clin Microbiol** 1986 Jan;23(1):126–8

Biotyping and phage typing of coagulase-negative staphylococci from blood cultures of neonates. Alvarez JS, et al. **J Hosp Infect** 1986 Jul;8(1):64–71

Species distribution of coagulase-negative staphylococci isolated from clinical sources. Iwantscheff A, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1985 Aug; 260(1):41–50

DRUG EFFECTS

Consumption of antibiotics in three clinical departments and antimicrobial susceptibility of clinically significant isolates of coagulase-negative Micrococcaceae. Hansen BG. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Oct; 93(5):341–6

Recipient characteristics in the transduction of methicillin resistance in Staphylococcus epidermidis. Blanchard TJ, et al. **Antimicrob Agents Chemother** 1986 Mar;29(3):539–41

Emergence of tobramycin-resistant S. epidermidis possessing aminoglycoside modifying enzymes and bacteremic superinfection during empiric therapy of febrile neutropenic episodes. Riben PD, et al. **Clin Invest Med** 1985;8(4):272–85

In vitro activity of coumermycin alone or in combination against Staphylococcus aureus and Staphylococcus epidermidis. Van der Auwera P, et al. **Drugs Exp Clin Res** 1986;12(4):307–11

Methicillin-resistant S. aureus and S. epidermidis strains: modern hospital pathogens. Wenzel RP. **Infect Control** 1986 Feb;7(2 Suppl):118–9

Cephalosporins, vancomycin, aminoglycosides and other drugs, especially in combination, for the treatment of methicillin-resistant staphylococcal infections. Klastersky J, et al. **J Antimicrob Chemother** 1986 Mar;17 Suppl A:19–24 (19 ref.)

Ciprofloxacin-resistant staphylococci [letter] Smith GM, et al. **Lancet** 1985 Oct 26;2(8461):949

GENETICS

Resistance plasmids for inducible macrolide-lincosamide resistance in Staphylococcus simulans and Staphylococcus epidermidis. Barcs I. **Acta Microbiol Hung** 1985;32(3):241–8

Naturally occurring Staphylococcus epidermidis plasmid expressing constitutive macrolide-lincosamide-streptogramin B resistance contains a deleted attenuator. Lampson BC, et al. **J Bacteriol** 1986 May;166(2):479–83

Nucleotide sequence of the constitutive macrolide-lincosamide-streptogramin B resistance plasmid pNE131 from Staphylococcus epidermidis and homologies with Staphylococcus aureus plasmids pE194 and pSN2. Lampson BC, et al. **J Bacteriol** 1986 Sep;167(3):888–92

Characterisation of chloramphenicol resistance plasmids of Staphylococcus aureus and S. epidermidis by restriction enzyme mapping techniques. Tennent JM, et al. **J Med Microbiol** 1986 Aug;22(1):79–84

Clinical isolates of staphylococci conjugate on contact with dry absorbent surfaces [letter] Townsend DE, et al. **Med J Aust** 1986 Feb 3;144(3):166

GROWTH & DEVELOPMENT

Inhibition of human neutrophil bacteriocidal activity by extracellular substance from slime-producing Staphylococcus epidermidis. Noble MA, et al. **Diagn Microbiol Infect Dis** 1986 Apr;4(4):335–9

Factors affecting Staphylococcus epidermidis growth in peritoneal dialysis solutions. McDonald WA, et al. **J Clin Microbiol** 1986 Jul;24(1):104–7

IMMUNOLOGY

Coagulase-negative staphylococci as nosocomial pathogens in neonates. The role of host defense, artificial devices, and bacterial hydrophobicity. Fleer A, et al. **Am J Med** 1986 Jun 30;80(6B):161–5

Enzyme-linked immunosorbent assay for detection of Staphylococcus epidermidis antibody in experimental S. epidermidis endocarditis. Espersen F, et al. **J Clin Microbiol** 1986 Feb;23(2):339–42

Opsonic activity of intravenous immunoglobulin preparations against Staphylococcus epidermidis. Clark LA, et al. **J Clin Pathol** 1986 Aug;39(8):856–60

Opsonic defense to Staphylococcus epidermidis in the premature neonate. Fleer A, et al. **J Infect Dis** 1985 Nov; 152(5):930–7

Opsonic requirements of Staphylococcus epidermidis. Clark LA, et al. **J Med Microbiol** 1986 Aug;22(1):1–7

[Biological properties and cross-reacting antigens of staphylococcus in allergic vasculitis] Shaposhnikov OK, et al. **Vestn Dermatol Venerol** 1986;(6):4–8 (Eng. Abstr.) **(Rus)**

[Neutrophil-stimulating activity of staphylococci based on reactive chemiluminescence data] Nevmiatullin AL, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Jul;(7):67–71 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Sterility of preloaded insulin syringes. Kasmer RJ, et al. **Am J Infect Control** 1986 Aug;14(4):180–3

Nonstaphylococcal abscesses in diabetic individuals [letter] Bessman AN. **Diabetes Care** 1986 May-Jun;9(3):317–8

Simplified method for the isolation, identification, and characterization of Staphylococcus epidermidis in epidemiologic studies. Parisi JT, et al. **Diagn Microbiol Infect Dis** 1986 Jan;4(1):29–35

Colonization by gentamicin-resistant Staphylococcus epidermidis in a special care baby unit. Simpson RA, et al. **J Hosp Infect** 1986 Mar;7(2):108–20

[Biological and morphological differences in staphylococci seeded from foci of the lesion and from the nasopharyngeal mucosa of chronic pyoderma patients] Bukharovich AM. **Vestn Dermatol Venerol** 1985 Sep;(9):22–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Mucin production by Staphylococcus epidermidis. A virulence factor promoting adherence to vascular grafts. Schmitt DD, et al. **Arch Surg** 1986 Jan;121(1):89–95

Anticoagulant properties of extracellular slime substance produced by Staphylococcus epidermidis. Bykowska K, et al. **Thromb Haemost** 1985 Dec 17;54(4):853–6

PATHOGENICITY

Multiresistant Staphylococcus epidermidis as a pathogen. Heikkonen L, et al. **Ann Clin Res** 1986;18(2):80–3

The adhesion of Staphylococcus epidermidis to cultured cells. Kawashima T. **J Dermatol (Tokyo)** 1985 Aug; 12(4):302–7

[Resistance to the antibacterial action of blood as 1 of the biological characteristics of Staphylococcus] Zakarian LM. **Lab Delo** 1985;(12):750–2 (Eng. Abstr.) **(Rus)**

[Variability of the pathogenicity traits of populations of staphylococci in a surgical hospital] Chernevskaia OM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Jul;(7):29–32 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Agar overlay method to measure adherence of Staphylococcus epidermidis to four plastic surfaces. Mackenzie AM, et al. **Appl Environ Microbiol** 1985 Nov; 50(5):1322–4

The adherence of Staphylococcus aureus, Staphylococcus epidermidis and Escherichia coli on cotton, polyester and their blends. Hsieh YL, et al. **J Appl Bacteriol** 1986 Jun; 60(6):535–44

ULTRASTRUCTURE

Effect of the imidazole derivative lombazole on the ultrastructure of Staphylococcus epidermidis and Candida albicans. Barug D, et al. **Antimicrob Agents Chemother** 1985 Nov;28(5):643–7

STAPHYLOMYCIN see **VIRGINIAMYCINS**

STARCH

Structure of inclusion complexes of cyclomaltoheptaose (cycloheptaamylose): crystal structure of the 1-adamantanemethanol adduct. Hamilton JA. **Carbohydr Res** 1985 Oct 1;142(1):21–37

13C-N.M.R. study of the conformation of helical complexes of amylodextrin and of amylose in solution. Jane JL, et al. **Carbohydr Res** 1985 Jul 1;140(1):21–35

Measurements of the adhesive force between particles of powdered organic substances and a glass substrate by means of the impact separation method. II. Effect of addition of light anhydrous silicic acid on the adhesive force of potato starch. Otsuka A, et al. **Chem Pharm Bull (Tokyo)** 1985 Sep;33(9):4054–6

Comparison of blood-free medium (cyclodextrin solid medium) with Bordet-Gengou medium for clinical isolation of Bordetella pertussis. Aoyama T, et al. **J Clin Microbiol** 1986 Jun;23(6):1046–8

Major childhood tumor resection using normovolemic hemodilution anesthesia and hetastarch. Adzick NS, et al. **J Pediatr Surg** 1985 Aug;20(4):372–5

Hydrophilic cyclodextrin derivatives enable effective oral administration of steroidal hormones. Pitha J, et al. **J Pharm Sci** 1986 Feb;75(2):165–7

Glycogen storage disease type I [letter] Schiffrin A, et al. **N Engl J Med** 1986 Aug 21;315(8):520–1

Transplantation of major ABO-incompatible bone marrow depleted of red cells by hydroxyethyl starch. Warkentin PI, et al. **Vox Sang** 1985;48(2):89–104

[Production of tablets with a sulfamide and cassava starch base. Technology, pharmacologic controls and in vitro availability of the active principle] Siregar C, et al. **Farmaco [Prat]** 1986 Jun;41(6):197–209 (Eng. Abstr.) **(Fre)**

[3d colloquium on starch in socialist countries. 9–13 April 1984, Ahrenshoop, East Germany] **Nahrung** 1985; 29(9):815–934 **(Ger)**

[Stabilization of chlorobutanol with beta-cyclodextrin in suppositories] Gyulai M, et al. **Acta Pharm Hung** 1986 May; 56(3):125–8 (Eng. Abstr.) **(Hun)**

[Use of a sulfamethoxazole-beta-cyclodextrin complex in suppositories] Tóth K, et al. **Acta Pharm Hung** 1986 May; 56(3):133–7 (Eng. Abstr.) **(Hun)**

[Crystallinity changes of alpha- and beta-cyclodextrins by grinding] Nakai Y, et al. **Yakugaku Zasshi** 1985 Jun; 105(6):580–5 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Increasing starch intake in the human diet increases fecal bulking. Shetty PS, et al. **Am J Clin Nutr** 1986 Feb; 43(2):210–2

Increase in the ileal absorption rate of sodium taurocholate in germ-free or conventional rats given an amylomaize-starch diet. Riottot M, et al. **Br J Nutr** 1985 Mar;53(2):307–10

Pharmacologic studies of intra-hepatic artery chemotherapy with degradable starch microspheres. Pfeifle CE, et al. **Cancer Drug Deliv** 1986 Winter;3(1):1–14

Glycaemic responses to minimal amounts of sucrose and wheat starch in diabetes. Porta M, et al. **Diabetes Res Clin Pract** 1985–86 Feb;1(5):299–302

Solubilization of amphotericin B with gamma-cyclodextrin. Vikmon M, et al. **J Antibiot (Tokyo)** 1985 Dec; 38(12):1822–4

Hepatic artery administration of degradable starch microspheres. I. Effect on energy charge and incorporation of precursors into rat liver nucleic acids. Teder H, et al. **Res Exp Med (Berl)** 1985;185(5):405–14

[Type I glycogenosis: extending therapy with uncooked cornstarch] Biggemann B, et al. **Monatsschr Kinderheilkd** 1986 Mar;134(3):142–5 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

Use of dextran to prevent intraperitoneal adhesions caused by maize starch powder. Reikerås O, et al. **Eur Surg Res** 1985;17(4):251–3

[Corn starch glove powder. A life-threatening peritoneal reaction] Nordstrand K, et al. **Tidsskr Nor Laegeforen** 1986 Feb 28;106(6):494–5 (Eng. Abstr.) (Nor)

ANALOGS & DERIVATIVES

Effects of electrolyte or colloid infusion on the injured lung. Cryer HM, et al. **Am Surg** 1983 Dec;49(12):645–50

Hetastarch and bleeding complications [letter] Symington BE. **Ann Intern Med** 1986 Oct;105(4):627–8

Use of HES in cardiac surgery [letter] Belcher P. **Ann Thorac Surg** 1985 Oct;40(4):416

Intraoperative allergic reactions to hydroxyethyl starch: a report of two cases. Porter SS, et al. **Can Anaesth Soc J** 1986 May;33(3 Pt 1):394–8

The haemostatic effects of hydroxyethyl starch (HES) used as a volume expander. Macintyre E, et al. **Intensive Care Med** 1985;11(6):300–3

SEM analysis of surface-treated dialdehydestarch. Shimizu T, et al. **J Biomed Mater Res** 1986 Feb;20(2):247–59

Dosage and scheduling regimens for erythrocyte-sedimenting macromolecules. Mishler JM, et al. **J Clin Apheresis** 1983;1(3):130–43

Alternate dosage regimens for high molecular weight hydroxyethyl starch. Rock G, et al. **J Clin Apheresis** 1985; 2(4):375–7

The investigation of the influence of Explotab on the disintegrations of tablets. Sekulović D, et al. **Pharmazie** 1986 Feb;41(2):153–4

Alternate dosage regimens for high-molecular-weight hydroxyethyl starch. Rock G, et al. **Transfusion** 1985 Sep–Oct;25(5):417–9

A multicenter trial to document the efficacy and safety of a rapidly excreted analog of hydroxyethyl starch for leukapheresis with a note on steroid stimulation of granulocyte donors. Strauss RG, et al. **Transfusion** 1986 May–Jun;26(3):258–64

Effects on immunity of multiple leukapheresis using a rapidly excreted analog of hydroxyethyl starch. Strauss RG, et al. **Transfusion** 1986 May–Jun;26(3):265–8

Ingestion of hydroxyethyl starch by human leukocytes. Strauss RG, et al. **Transfusion** 1986 Jan–Feb;26(1):88–90

[Effect of hydroxyethyl starch, oxypolygelatin and human albumin on the phagocytic function of the reticuloendothelial system in healthy subjects] Lenz G, et al. **Anaesthesist** 1986 Jul;35(7):423–8 (Eng. Abstr.) (Ger)

[Comparison of volume substitutes 5 percent human albumin and 6 percent hydroxyethyl starch (40,000/0.5) in pediatric anesthesia] Hausdörfer J, et al. **Anasth Intensivther Notfallmed** 1986 Jun;21(3):137–42 (Eng. Abstr.) (Ger)

[Isovolemic hemodilution in stage-IIb peripheral arterial occlusive diseases. Prospective randomized double-blind comparison of middle-molecule hydroxyethyl starch and electrolyte solution] Kiesewetter H, et al. **Dtsch Med Wochenschr** 1986 Aug 29;111(35):1307–12 (Eng. Abstr.) (Ger)

[Hemodilution in acute ischemic insults. Comparative study on the clinical and hemorheologic effectiveness of 10% HES 200/0.5 and 10% dextran 40] Schneider R, et al. **Fortschr Med** 1985 Nov 28;103(44):1031–4 (Eng. Abstr.) (Ger)

[Volume replacement with a new hydroxyethyl starch preparation (3 percent HES 200/0.5) in heart surgery] Boldt J, et al. **Infusionsther Klin Ernahr** 1986 Jun; 13(3):145–51 (Eng. Abstr.) (Ger)

[Effect of Expafusion (HES 40/0.5) on the corpuscular elements of blood and inhibitors of blood coagulation] Köstering H, et al. **Infusionsther Klin Ernahr** 1985 Dec; 12(6):304–7 (Eng. Abstr.) (Ger)

[Reactions of critically ill patients to volume therapy with hydroxyethyl starch (6% HES 450/0.7)] McCartney SF, et al. **Infusionsther Klin Ernahr** 1986 Feb;13(1):34–40 (Eng. Abstr.) (Ger)

[Comparative study of low molecular dextran or hydroxyethyl starch as a volume substitute in hemodilution therapy] Kiesewetter H, et al. **Klin Wochenschr** 1986 Jan 2;64(1):29–37 (Eng. Abstr.) (Ger)

[Low-molecular-weight hydroxyethyl starch or low-molecular-weight dextran in acute inner ear disorders? A randomized comparative study] Pilgramm M, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Jul;65(7):377–80 (Eng. Abstr.) (Ger)

[Localization of thrombi using the Ga-67-DFO-DAS fibrinogen] Takahashi E, et al. **Rinsho Hoshasen** 1985 Dec; 30(13):1591–4 (Eng. Abstr.) (Jpn)

[Use of hydroxyethyl starch as a colloid component of perfusion media] Kobakhidze EA, et al. **Anesteziol Reanimatol** 1985 Sep–Oct;(5):40–3 (Eng. Abstr.) (Rus)

[Morphological characteristics of the sequelae from the parenteral administration of solutions of hydroxyethyl starch] Prostakova TM, et al. **Arkh Patol** 1986;48(7):43–7 (Eng. Abstr.) (Rus)

ANALYSIS

Spectral displacement techniques for studying the binding of spectroscopically transparent ligands to cyclodextrins. Selvidge LA, et al. **Anal Biochem** 1986 May 1;154(2):400–8

Dissolution behavior of prednisolone from solid dispersion systems with cyclodextrins and polyvinylpyrrolidone. Fukuda N, et al. **Chem Pharm Bull (Tokyo)** 1986 Mar; 34(3):1366–9

Interaction of beta-cyclodextrin with bile salts in aqueous solutions. Miyajima K, et al. **Chem Pharm Bull (Tokyo)** 1986 Mar;34(3):1395–8

Relationships between crystallinity of beta-cyclodextrin and tablet characteristics. Nakai Y, et al. **Chem Pharm Bull (Tokyo)** 1985 Nov;33(11):5110–2

Monitoring by headspace gaschromatography (HSGC) of formation and thermal stability of terpene beta-cyclodextrin complexes. Vincieri FF, et al. **Farmaco [Prat]** 1986 Mar;41(3):98–106

Reversed-phase high-performance liquid chromatographic separation of substituted phenolic compounds with a beta-cyclodextrin bonded phase column. Chang CA, et al. **J Chromatogr** 1986 Feb 28;354:454–8

Effect of cyclodextrins on sparingly soluble salts. Hirsch W, et al. **J Pharm Sci** 1985 Oct;74(10):1123–5

Hydroxypropyl-beta-cyclodextrin derivatives: influence of average degree of substitution on complexing ability and surface activity. Müller BW, et al. **J Pharm Sci** 1986 Jun; 75(6):571–2

Amorphous water-soluble derivatives of cyclodextrins: nontoxic dissolution enhancing excipients. Pitha J, et al. **J Pharm Sci** 1985 Sep;74(9):987–90

Starch as a functional component of food systems. Braudo EE. **Nahrung** 1985;29(9):885–94

Cyclodextrins: a new group of industrial basic materials. Szejtli J. **Nahrung** 1985;29(9):911–24

[Properties of modified starches with regard to tendencies of development in nutrition and food production] Kodet J. **Nahrung** 1985;29(9):895–903 (Eng. Abstr.) (Ger)

[Determination of reducing sugars (dextrose equivalent) contained in various commercial dextrins] Isaka H, et al. **Eisei Shikenjo Hokoku** 1985;(103):177–80 (Eng. Abstr.) (Jpn)

BIOSYNTHESIS

Lipoprotein as a regulator of starch synthesizing enzyme activity. Rutherford WM, et al. **Biochem Biophys Res Commun** 1986 Mar 28;135(3):701–7

BLOOD

Hespan and pancreatitis [letter] Toole JG, et al. **Ann Thorac Surg** 1986 Aug;42(2):229–30

CHEMICAL SYNTHESIS

Porcine-pancreatic alpha amylase hydrolysis of substrates containing 6-deoxy-D-glucose and 6-deoxy-6-fluoro-D-glucose and the specificity of subsite binding. Braun PJ, et al. **Carbohydr Res** 1985 Nov 1; 143:107–16

DIAGNOSTIC USE

Separation of drug stereoisomers by the formation of beta-cyclodextrin inclusion complexes. Armstrong DW, et al. **Science** 1986 May 30;232(4754):1132–5

ISOLATION & PURIFICATION

Some properties of large and small granules of waxy barley (Hordeum vulgare L.) endosperm starch. Naka M, et al. **J Nutr Sci Vitaminol (Tokyo)** 1985 Aug;31(4):423–9

METABOLISM

Food processing and the glycemic index. Brand JC, et al. **Am J Clin Nutr** 1985 Dec;42(6):1192–6

Increasing starch intake in the human diet [letter] McBurney MI. **Am J Clin Nutr** 1986 Aug;44(2):310–1

Cell structure and starch nature as key determinants of the digestion rate of starch in legume. Würsch P, et al. **Am J Clin Nutr** 1986 Jan;43(1):25–9

Cellodextrin utilization and beta-glucosidase production by Bacteroides polypragmatus. MacKenzie CR, et al. **Arch Microbiol** 1986 Jun;145(1):91–6

The removal of glucose, maltose and different starches from the small intestines of steers. McAllan AB, et al. **Arch Tierernahr** 1985 Jul;35(7):495–505

Absorption, distribution, excretion and metabolism of orally administered 14C-beta-cyclodextrin in rat. Gerlóczy A, et al. **Arzneimittelforschung** 1985;35(7):1042–7

Insulin action and glucose metabolism in sheep fed on dried-grass or ground, maize-based diets. Janes AN, et al. **Br J Nutr** 1985 Sep;54(2):459–71

Absorption and metabolism of glucose by the mesenteric-drained viscera of sheep fed on dried-grass or ground, maize-based diets. Janes AN, et al. **Br J Nutr** 1985 Sep;54(2):449–58

Does super efficient starch absorption promote diverticular disease? Thornton JR, et al. **Br Med J [Clin Res]** 1986 Jun 28;292(6537):1708–10

Colonic metabolism of wheat starch in healthy humans. Effects on fecal outputs and clinical symptoms. Flourie B, et al. **Gastroenterology** 1986 Jan;90(1):111–9

Effects of decreasing intraluminal amylase activity on starch digestion and postprandial gastrointestinal function in humans. Layer P, et al. **Gastroenterology** 1986 Jul; 91(1):41–8

Starch utilization by the human large intestinal microflora. Macfarlane GT, et al. **J Appl Bacteriol** 1986 Mar; 60(3):195–201

Temperature-sensitive binding of alpha-glucans by Bacillus stearothermophilus. Ferenci T, et al. **J Bacteriol** 1986 Apr; 166(1):95–9

Differential amylosaccharide metabolism of Clostridium thermosulfurogenes and Clostridium thermohydrosulfuricum. Hyun HH, et al. **J Bacteriol** 1985 Dec;164(3):1153–61

The contribution of salivary amylase to glucose polymer hydrolysis in premature infants. Murray RD, et al. **Pediatr Res** 1986 Feb;20(2):186–91

A new and permanent staining method for starch granules using fluorescence microscopy. Revilla MA, et al. **Stain Technol** 1986 May;61(3):151–4

[Inactivation of soman by beta-cyclodextrin] Saint-André S, et al. **C R Acad Sci [III]** 1985;301(3):67–72 (Eng. Abstr.) (Fre)

PHARMACODYNAMICS

Effect of beta-cyclodextrin on sleeping time induced by barbituric acid derivatives in mice. Shirakura O, et al. **Chem Pharm Bull (Tokyo)** 1985 Aug;33(8):3517–21

Effect of beta-cyclodextrin on the degradation rate of cinnarizine in aqueous solution. Tokumura T, et al. **Chem Pharm Bull (Tokyo)** 1985 May;33(5):2079–83

Effect of heptakis (2,6-O-dimethyl)beta-cyclodextrin on cell growth and the production of pertussis toxin and filamentous hemagglutinin in Bordetella pertussis. Suzuki Y, et al. **Dev Biol Stand** 1985;61:89–92

Differential regulation of the cyclooxygenase pathway in starch elicited rat peritoneal macrophages by prostaglandin E2, U-44069, a stable endoperoxide analogue and dibutyryl-cyclic AMP. Elliott GR, et al. **Eur J Pharmacol** 1985 Aug 7;114(1):71–4

Effects of amylomaize starch on mineral metabolism in the adult rat: role of the microflora. Andrieux C, et al. **J Nutr** 1986 Jun;116(6):991–8

Effect of fructose or starch on copper-67 absorption and excretion by the rat. Fields M, et al. **J Nutr** 1986 Apr; 116(4):625–32

Tissue distribution and excretion of copper-67 intraperitoneally administered to rats fed fructose or starch. Holbrook J, et al. **J Nutr** 1986 May;116(5):831–8

Improvement in the percutaneous absorption of beclomethasone dipropionate by gamma-cyclodextrin complexation. Uekama K, et al. **J Pharm Pharmacol** 1985 Aug;37(8):532–5

Nutritional aspects and safety of modified food starches. Wurzburg OB. **Nutr Rev** 1986 Feb;44(2):74–9

Development of copper deficiency in rats fed fructose or starch: weekly measurements of copper indices in blood. Fields M, et al. **Proc Soc Exp Biol Med** 1986 Jan; 181(1):120–4

Gamma camera evaluation of the effects of degradable starch microspheres on arterial liver blood flow in the rat. Teder H, et al. **Res Exp Med (Berl)** 1985;185(5):391–7

Comparative study of the effects of equal amounts of fat, protein, and starch on plasma cholecystokinin in man. Hopman WP, et al. **Scand J Gastroenterol** 1985 Sep; 20(7):843–7

[The influence of cellulose and various starches in feed on nitrogen metabolism in growing swine] Liebert F, et al. **Arch Tierernahr** 1986 Jan;36(1):35–44 (Eng. Abstr.) (Ger)

PHYSIOLOGY

Secretion of a lipolytic protein aggregate by barley aleurone and its dissociation by starchy endosperm. Lundgard R, et al. **Arch Biochem Biophys** 1986 Sep;249(2):447–54

THERAPEUTIC USE

The role of raw starches in the treatment of type I glycogenosis. Sidbury JB, et al. **Arch Intern Med** 1986 Feb; 146(2):370–3

TOXICITY

Protection against the photosensitized skin irritancy of chlorpromazine by cyclodextrin complexation. Irie T, et al. **J Pharmacobiodyn** 1985 Sep;8(9):788–91

STARCH (BACTERIAL GLYCOGEN) SYNTHASE see under **GLUCOSYLTRANSFERASES**

STARFISH

The development of calcium and potassium currents during oogenesis in the starfish, Leptasterias hexactis. Moody WJ. **Dev Biol** 1985 Dec;112(2):405–13

Hormone-induced loss of surface membrane during maturation of starfish oocytes: differential effects on potassium and calcium channels. Moody WJ, et al. **Dev Biol** 1985 Dec;112(2):396–404

ANALYSIS

Gonad-stimulating and maturation-inducing substance. Shirai H. **Methods Cell Biol** 1986;27:73–88 (42 ref.)

CYTOLOGY

Microinjection and cytoplasmic transfer in starfish oocytes. Kishimoto T. **Methods Cell Biol** 1986;27:379–94 (31 ref.)

DRUG EFFECTS

[Action of cytostatic neuropharmacological preparations on the development of embryos obtained from the oocyte karyoplasts of starfish] Buznikov GA, et al. **Dokl Akad Nauk SSSR** 1985;284(6):1477–80 (Rus)

EMBRYOLOGY

Manipulative methods for analyzing embryogenesis. Maruyama YK, et al. **Methods Cell Biol** 1986;27:325–44 (32 ref.)

IMMUNOLOGY

Production of an antibody-like factor in the sea star Asterias rubens: involvement of at least three cellular populations. Leclerc M, et al. **Immunology** 1986 Mar;57(3):479–82

METABOLISM

Biosynthesis of 1-methyladenine by isolated segments of starfish ovaries. Tarr HL. **Gen Comp Endocrinol** 1985 Nov; 60(2):280–92

PHYSIOLOGY

Behavioral study of chemoreception in the sea star Marthasterias glacialis: structure-activity relationships of lactic acid, amino acids, and acetylcholine. Valentinčič T. **J Comp Physiol [A]** 1985 Oct;157(4):537–45

Phospholipid methylation in starfish spermatozoa is linked to sperm chemoattraction. Tezon J, et al. **Proc Natl Acad Sci USA** 1986 Jun;83(11):3589–93

Partial characterization of a protein kinase activity that increases at germinal vesicle breakdown of starfish and surf clam oocytes. Sano K, et al. **Prog Clin Biol Res** 1986; 217B:95–8

STARTLE REACTION

Excessive startle syndromes: startle disease, jumping, and startle epilepsy. Andermann F, et al. **Adv Neurol** 1986; 43:321–38 (48 ref.)

Central dopamine hyperactivity in rats mimics abnormal acoustic startle response in schizophrenics. Swerdlow NR, et al. **Biol Psychiatry** 1986 Jan;21(1):23–33

The effects of age and attention upon reflex inhibition. Harbin TJ, et al. **Biol Psychol** 1986 Feb;22(1):81–94

Audiogenic startle reflex of man and its relationship to startle syndromes. A review. Wilkins DE, et al. **Brain** 1986 Jun; 109 (Pt 3):561–73

Is the startle reaction an emotion? Ekman P, et al. **J Pers Soc Psychol** 1985 Nov;49(5):1416–26

Jumping Frenchmen of Maine. Saint-Hilaire MH, et al. **Neurology** 1986 Sep;36(9):1269–71

The design and calibration of a startle measurement system. Cassella JV, et al. **Physiol Behav** 1986;36(2):377–83

DRUG EFFECTS

Behavioral effects of chronic exposure to low concentrations of halothane during development in rats. Levin ED, et al. **Anesth Analg** 1986 Jun;65(6):653–9

Differential effects of dopamine agonists on acoustically and electrically elicited startle responses: comparison to effects of strychnine. Davis M, et al. **Brain Res** 1986 Apr 16; 371(1):58–69

A study of startle and locomotor activity in rats exposed prenatally to methylmercury. Geyer MA, et al. **Neurobehav Toxicol Teratol** 1985 Nov–Dec;7(6):759–65

An increase in startle response in rats administered oxytocin. King MG, et al. **Peptides** 1985 May–Jun;6(3):567–8

Fear-enhanced acoustic startle is not attenuated by acute or chronic imipramine treatment in rats. Cassella JV, et al. **Psychopharmacology (Berlin)** 1985;87(3):278–82

Cocaine: effects on acoustic startle and startle elicited electrically from the cochlear nucleus. Harty TP, et al. **Psychopharmacology (Berlin)** 1985;87(4):396–9

Corticotropin-releasing factor potentiates acoustic startle in rats: blockade by chlordiazepoxide. Swerdlow NR, et al. **Psychopharmacology (Berlin)** 1986;88(2):147–52

A comparison of the effects of RO15,1788 and chlordiazepoxide on hot-plate latencies, acoustic startle, and locomotor activity. Walsh TJ, et al. **Psychopharmacology (Berlin)** 1986;88(4):514–9

PHYSIOLOGY

Evoked fetal startle response: a possible intrauterine neurological examination. Divon MY, et al. **Am J Obstet Gynecol** 1985 Oct 15;153(4):454–6

Alterations in other sensory modalities accompanying stress analgesia as measured by startle reflex modification. Leitner DS. **Ann NY Acad Sci** 1986;467:82–92

Habituation, prepulse inhibition, fear conditioning, and drug modulation of the acoustically elicited pinna reflex in rats. Cassella JV, et al. **Behav Neurosci** 1986 Feb;100(1):39–44

Lesions of the amygdala, but not of the cerebellum or red nucleus, block conditioned fear as measured with the potentiated startle paradigm. Hitchcock J, et al. **Behav Neurosci** 1986 Feb;100(1):11–22

Anterior cerebellar vermal stimulation: effect on behavior and basal forebrain neurochemistry in rat. Albert TJ, et al. **Biol Psychiatry** 1985 Dec;20(12):1267–76

A rapid startle response in larval lampreys. Currie S, et al. **Brain Res** 1985 Dec 9;358(1–2):367–71

Central 5-HT and the respiratory response to acoustic stimulation in awake rats: effects of PCPA, 5-HTP and 8-OH-DPAT. Ahlenius S, et al. **J Neural Transm** 1985; 63(3–4):285–95

Fear conditioning, pre-pulse inhibition and drug modulation of a short latency startle response measured electromyographically from neck muscles in the rat. Cassella JV, et al. **Physiol Behav** 1986;36(6):1187–91

Cardiovascular concomitants of tactile and acoustic startle responses in spontaneously hypertensive and normotensive rats. Rettig R, et al. **Physiol Behav** 1986;36(6):1123–8

Age, sex and strain comparison of habituation of the startle response in the rat. Rinaldi PC, et al. **Physiol Behav** 1985 Jul;35(1):9–13

Cerebellar vermis: essential for long-term habituation of the acoustic startle response. Leaton RN, et al. **Science** 1986 Apr 25;232(4749):513–5

[Relay levels of acoustic and tactile startle reflexes in the reticular formation of the cat] Gokin AP. **Neirofiziologiia** 1985;17(5):703–7 (Eng. Abstr.) (Rus)

STARVATION

see related
FASTING
FOOD DEPRIVATION
HUNGER

Starvation-induced insulin resistance: influence on 3-O-methylglucose transport. Cigolini M, et al. **Acta Diabetol Lat** 1985 Oct–Dec;22(4):351–5

Dietary fat—a requirement for induction of mixed-function oxidase activities in starved-refed rats. Wade AE, et al. **Biochem Pharmacol** 1985 Oct 15;34(20):3747–54

Starvation-induced changes in the autoradiographic localisation of valine uptake by rat small intestine. Thompson CS, et al. **Experientia** 1986 Aug 15;42(8):945–8

Cytochemical determination of acid phosphatase activity in isolated rat hepatocytes during starvation-induced proteolysis. James J, et al. **Histochem J** 1985 Sep; 17(9):1027–32

Lung mechanics, cellularity, and surfactant after prenatal starvation in guinea pigs. Lechner AJ, et al. **J Appl Physiol** 1986 May;60(5):1610–4

Famine in Africa: are there any solutions? [editorial] Harriss B. **J Trop Med Hyg** 1985 Jun;88(3):185–8

Starvation-induced changes in rat brain corticotropin-releasing factor (CRF) and pituitary-adrenocortical response. Suemaru S, et al. **Life Sci** 1986 Sep 29;39(13):1161–6

Ethiopia: brief respite from famine. Williams N. **Nature** 1986 May 29–Jun 4;321(6069):460

Effect of starvation on endocrine cells in the rat stomach. Schwarting H, et al. **Regul Pept** 1986 Mar;14(1):33–9

Malnutrition and humoral immunity: short-term acute nutritional deprivation. Nohr CW, et al. **Surgery** 1985 Oct; 98(4):769–76

The effect of noise and starvation on the tissue plasminogen activator activity. Alexaki E, et al. **Thromb Res** 1986 Jun 1;42(5):717–8

BLOOD

Plasma fibronectin metabolism during hemorrhagic shock and starvation. Bowersox JC, et al. **J Surg Res** 1985 Nov; 39(5):445–53

COMPLICATIONS

Lung mechanics and connective tissue levels in starvation-induced emphysema in hamsters. Karlinsky JB, et al. **Am J Physiol** 1986 Aug;251(2 Pt 2):R282–8

Starvation-induced organ hypoplasia in prenatal and postnatal guinea pigs. Lechner AJ. **Biol Neonate** 1985; 48(1):36–42

Spontaneous pneumomediastinum in two stowaways. Aldridge SM, et al. **Br Med J [Clin Res]** 1986 Jul 26; 293(6541):243

Malnutrition and refeeding [letter] Maegraith B. **Br Med J [Clin Res]** 1985 Nov 2;291(6504):1275

Leads from the MMWR. Rapid nutritional and health assessment of population affected by drought-associated famine—Chad. **JAMA** 1985 Nov 22–29;254(20):2878, 2880

Rapid nutritional and health assessment of the population affected by drought-associated famine—Chad. **MMWR** 1985 Nov 1;34(43):665–7

ENZYMOLOGY

Physiological covalent regulation of rat liver branched-chain alpha-ketoacid dehydrogenase. Harris RA, et al. **Arch Biochem Biophys** 1985 Dec;243(2):542–55

Regulation of carnitine palmitoyltransferase activity in the liver and brown adipose tissue in the newborn rat: effect of starvation and hypothermia. Peñas M, et al. **Biochem Biophys Res Commun** 1986 Mar 13;135(2):589–96

Effect of prior nutritional status on the activity of lipogenic enzymes in primary monolayer cultures of rat hepatocytes. Kelley DS, et al. **Biochem J** 1986 Apr 1;235(1):87–90

Lysosomal enzyme activities in muscle following starvation and refeeding in the saithe Pollachius virens L. Beardall CH, et al. **Eur J Cell Biol** 1985 Nov;39(1):112–7

Acetylcholinesterase activity of rat brain and heart in starvation and protein restriction. Venkataraman BV, et al. **Indian J Physiol Pharmacol** 1985 Apr–Jun;29(2):123–5

Subcellular location of phosphoenolpyruvate carboxykinase in hepatocytes from fed and starved rats. Cornell NW, et al. **J Nutr** 1986 Jun;116(6):1101–8

ETIOLOGY

Ethiopia: famine and frustration. Rosenfeld WC. **Iowa Med** 1985 Oct;75(10):439–44

METABOLISM

Short-term dietary regulation of lipogenesis in the lactating mammary gland of the rat. Williamson DH, et al. **Adv Enzyme Regul** 1983;21:135–45

Renal reabsorption and utilization of hydroxybutyrate and acetoacetate in starved rats. Barac-Nieto M. **Am J Physiol** 1986 Aug;251(2 Pt 2):F257–65

Five months of fasting in king penguin chicks: body mass loss and fuel metabolism. Cherel Y, et al. **Am J Physiol** 1985 Oct;249(4 Pt 2):R387–92

Regional ketone body utilization by rat brain in starvation and diabetes. Hawkins RA, et al. **Am J Physiol** 1986 Feb; 250(2 Pt 1):E169–78

Energy sources in fasting grey seal pups evaluated with computed tomography. Nordøy ES, et al. **Am J Physiol** 1985 Oct;249(4 Pt 2):R471–6

Relation between plasma and tissue parameters of leucine metabolism in fed and starved rats. Vazquez JA, et al. **Am J Physiol** 1986 Jun;250(6 Pt 1):E615–21

Effect of starvation on amino acid and peptide transport and peptide hydrolysis in humans. Vazquez JA, et al. **Am J Physiol** 1985 Nov;249(5 Pt 1):G563–6

Effect of starvation on susceptibility of rat liver nuclei to DNase I. Shyamala V. **Biochem Int** 1986 Jul;13(1):33–40

Antilipolytic effects of N6-phenylisopropyladenosine and prostaglandin E2 in fat-cells of obese volunteers before and during energy restriction. Kather H, et al. **Biochem J** 1985 Nov 1;231(3):531–5

Effects of starvation and exercise on concentrations of citrate, hexose phosphates and glycogen in skeletal muscle and heart. Evidence for selective operation of the glucose-fatty acid cycle. Zorzano A, et al. **Biochem J** 1985 Dec 1; 232(2):585–91

Fatty acid-binding capacity of cytosolic proteins of various rat tissues: effect of postnatal development, starvation, sex, clofibrate feeding and light cycle. Paulussen RJ, et al. **Biochim Biophys Acta** 1986 Jul 18;877(3):342–9

Starvation increases the solubility of volatile anaesthetics in rat liver. Fassoulaki A, et al. **Br J Anaesth** 1986 Mar; 58(3):327–9

Magnitude of ouabain-sensitive respiration in the liver of growing, lactating and starved sheep. McBride BW, et al. **Br J Nutr** 1985 Jul;54(1):293–303

Influence of feed intake and starvation on the magnitude of Na+,K+-ATPase(EC 3.6.1.3)-dependent respiration in duodenal mucosa of sheep. McBride BW, et al. **Br J Nutr** 1985 May;53(3):605–14

Suppression of Ehrlich ascites tumor growth in mice by starvation and streptozotocin-induced diabetes. Fung KP, et al. **Cancer Lett** 1985 Sep 30;28(3):273–80

Naphthol-yellow-S protein content of individual rat hepatocytes as related to food intake and short-term starvation. James J, et al. **Cell Tissue Res** 1986;243(1):165–9

Xenobiotic biotransformation in the rainbow trout liver and kidney during starvation. Andersson T, et al. **Comp Biochem Physiol [C]** 1985;82(1):221–5

Comparison between starvation and consumption of a high protein diet: plasma insulin and glucagon and hepatic activities of gluconeogenic enzymes during the first 24 hours. Boisjoyeux B, et al. **Diabete Metab** 1986 Feb; 12(1):21–7

Acute starvation and suckling rat pancreas. Effect on exocrine pancreas and role of corticosteroids. Lerner A, et al. **Dig Dis Sci** 1986 Jan;31(1):57–64

Effects of L-leucine on palmitate metabolism and insulin release by isolated islets of fed and starved rats. Vara E, et al. **Endocrinology** 1986 Jul;119(1):404–7

Immunoreactive LHRH in chronic starved rats. Matsubara M, et al. **Horm Metab Res** 1986 Jul;18(7):450–3

Effect of prolonged starvation and refeeding on fuel metabolism in rats. Sharma M, et al. **Indian J Physiol Pharmacol** 1985 Apr–Jun;29(2):107–10

Bioenergetic studies in adult patients recovering from semi-starvation. Heymsfield S, et al. **Int J Obes** 1985;9 Suppl 2:147–53

The metabolic response to injury: mechanisms and clinical implications. Michelsen CB, et al. **J Bone Joint Surg [Am]** 1986 Jun;68(5):782–7 (45 ref.)

Carnitine metabolism in lean and obese Zucker rats during starvation. Brady LJ, et al. **J Nutr** 1986 Apr;116(4):668–74

Effect of starvation on the disposition of free and peptide-linked trimethyllysine in the rat. Davis AT, et al. **J Nutr** 1986 May;116(5):760–7

Metabolic basis of starvation diarrhoea: implications for treatment. Roediger WE. **Lancet** 1986 May 10; 1(8489):1082–4

Glucose stimulation of insulin secretion in islets of fed and starved rats and its dependence on lipid metabolism. Vara E, et al. **Metabolism** 1986 Mar;35(3):266–71

Polyribosome concentration in human skeletal muscle after starvation and parenteral or enteral refeeding. Wernerman J, et al. **Metabolism** 1986 May;35(5):447–51

Effects of stretch and starvation on glucose uptake of rat soleus and extensor digitorum longus muscles. Shoji S. **Muscle Nerve** 1986 Feb;9(2):144–7

Effects of starvation on rat liver mRNA translation products. Howard G, et al. **Proc Soc Exp Biol Med** 1986 Feb; 181(2):312–7

Effect of short term starvation on disposition kinetics of chloramphenicol in goats. Abdullah AS, et al. **Res Vet Sci** 1986 May;40(3):382–5

Carnitine metabolism during fasting in dogs. Rodriguez J, et al. **Surgery** 1986 Jun;99(6):684–7

A disappearance of a 24-kDa acid-soluble protein from liver chromatin of normal and starved hens following D-galactosamine administration. Palyga J. **Z Naturforsch [C]** 1985 Nov-Dec;40(11–12):798–805

[Effect of various methods of oxygenation of the small intestine mucosa on the kinetic characteristics of glucose and glycine transport] Ekkert LG, et al. **Fiziol Zh SSSR** 1986 Apr;72(4):431–6 (Eng. Abstr.) (Rus)

OCCURRENCE

Health crisis in Ethiopia: a third world syndrome. Nurhussein MA, et al. **J Natl Med Assoc** 1985 Dec;77(12):963–5

PATHOLOGY

Ileal hyperplastic response to starvation in the rat. Holt PR, et al. **Am J Physiol** 1986 Jul;251(1 Pt 1):G124–31

Starvation-induced microautophagic vacuoles in rat myocardial cells. de Waal EJ, et al. **Cell Biol Int Rep** 1986 Jul;10(7):527–33

Quantitative changes in the lysosomal vacuolar system of rat hepatocytes during short-term starvation. A morphometric analysis with special reference to macro- and microautophagy. de Waal EJ, et al. **Cell Tissue Res** 1986;243(3):641–8

Effects of cold adaptation and starvation on sciatic nerve fibers in the frog. Friede RL, et al. **Exp Neurol** 1985 Nov; 90(2):434–43

Infanticide by starvation: calculation of caloric deficit to determine degree of deprivation. Meade JL, et al. **J Forensic Sci** 1985 Oct;30(4):1263–8

Refeeding differentially affects tumor and host cell proliferation. Grube BJ, et al. **J Surg Res** 1985 Dec; 39(6):535–42

Annulate lamellae of the pancreatic exocrine cells in starved rats. Kitagawa T, et al. **Virchows Arch [B]** 1986; 51(4):277–83

[The effect of 5 days of starvation on body mass, organ mass and blood glucose levels in the general and portal circulation] Suzić S, et al. **Srp Arh Celok Lek** 1985 Mar; 113(3):213–9 (Eng. Abstr.) (See)

PHYSIOPATHOLOGY

Dynamics of zonal hepatocyte heterogeneity. Perinatal development and adaptive alterations during regeneration after partial hepatectomy, starvation and diabetes. Jungermann K. **Acta Histochem [Suppl] (Jena)** 1986; 32:89–98

Relationship between starvation heat production and body size in the domestic fowl. Johnson RJ, et al. **Br Poult Sci** 1985 Oct;26(4):513–7

Weight loss and catabolic adaptations to starvation in grey seal pups. Oritsland NA, et al. **Comp Biochem Physiol [A]** 1985;82(4):931–3

Sensitivity of thyrotropin (TSH) secretion to 3,5,3'-triiodothyronine and TSH-releasing hormone in rat during starvation. Hugues JN, et al. **Endocrinology** 1986 Jul;119(1):253–60

Ventilatory and treadmill endurance during acute semistarvation. Bender PR, et al. **J Appl Physiol** 1986 Jun; 60(6):1823–7

Semistarvation and exercise. Weissman C, et al. **J Appl Physiol** 1986 Jun;60(6):2035–9

Protective effects of glutamate and aspartate on the ischemic and reperfused myocardium of hearts from starved rats. Tominaga R, et al. **Jpn J Surg** 1985 Sep;15(5):387–94

[The effect of repeated starvation on the developing laboratory rat (with special reference to the central nervous system)] Trojanová M, et al. **Sb Lek** 1985 Jun;87(6):145–52 (Eng. Abstr.) (Cze)

[Effect of fasting and refeeding on the adaptation of the small intestine in rats. A model for physiopathologic studies] Gorostiza E, et al. **Gastroenterol Clin Biol** 1985 Nov; 9(11):790–6 (Eng. Abstr.) (Fre)

PREVENTION & CONTROL

Prediction and prevention of famine. Mellor JW. **Fed Proc** 1986 Sep;45(10):2427–31 (10 ref.)

THERAPY

Force-feeding: the physician's dilemma. Kleinman I. **Can J Psychiatry** 1986 May;31(4):313–6

VETERINARY

Hibernating tortoises [letter] Harper R. **Vet Rec** 1986 Apr 5;118(14):408

Prolapsed proventriculus in dead chicks after air shipment [letter] Sheikh-Omar AR, et al. **Vet Rec** 1985 Aug 10; 117(6):134–5

STASIS ULCER see **VARICOSE ULCER**

STATE DENTISTRY

HISTORY

[The social medicine commitment of Swiss dentists exemplified by dental care for schoolchildren and adolescents] Rinderer LA. **Schweiz Monatsschr Zahnmed** 1986;Spec No:86–112 (Ger)

STATE GOVERNMENT see under **GOVERNMENT**

STATE HEALTH PLANNING AND DEVELOPMENT AGENCIES see under **HEALTH PLANNING ORGANIZATIONS**

STATE HEALTH PLANNING, UNITED STATES see **HEALTH PLANNING**

STATE HEALTH PLANS

ECONOMICS

The state perspective. Axelrod D. **Bull NY Acad Med** 1986 Jan-Feb;62(1):94–100

State health insurance pools: current performance, future prospects. Bovbjerg RR, et al. **Inquiry** 1986 Summer; 23(2):111–21

A time series study of the effectiveness and costs of EPSDT outreach in Maine. Jones E, et al. **Public Health Rep** 1986 Jan-Feb;101(1):68–76

TRENDS

Progress in New York State hospital payment policy. Brecher C. **Bull NY Acad Med** 1986 Jan-Feb;62(1):115–24

The impact of the "New Federalism" Nathan RP. **Bull NY Acad Med** 1986 Jan-Feb;62(1):101–5

Tennessee's statewide prenatal program serving low-income pregnant women. McIntyre PS. **J Tenn Med Assoc** 1985 Nov;78(11):712–3

State developmental disabilities/aging plans and planning for an older developmentally disabled population. Janicki MP, et al. **Ment Retard** 1985 Dec;23(6):297–301

STATE MEDICINE

Efficiency and effectiveness [editorial] Redmond AD. **Arch Emerg Med** 1985 Sep;2(3):109–12

A current view on patterns of extraction therapy in British health service orthodontics. Bradbury AJ. **Br Dent J** 1985 Jul 20;159(2):47–50

The effect of social class on attendance frequency and dental treatment received in the General Dental Service in Scotland. Eddie S, et al. **Br Dent J** 1985 Dec 7; 159(11):370–2

Uptake of General Dental Service treatment in Great Britain 1965–1983 with special reference to radiography, prosthetics and the care of children. Elderton RJ, et al. **Br Dent J** 1986 Aug 9;161(3):93–8

'A capitation system for the treatment of children in the GDS' [letter] Weston J. **Br Dent J** 1986 May 10;160(9):315

The Scrooge issue [letter] Patten J. **Br J Hosp Med** 1985 Apr;33(4):238

Future manpower requirements for orthodontics undertaken in the general dental service [letter] Mills JR. **Br J Orthod** 1986 Jul;13(3):183–4

Orthodontics in the general dental services (a review of its aims, methods and achievements). Parker CD. **Br J Orthod** 1986 Jul;13(3):125–34

Future manpower requirements for orthodontics undertaken in the General Dental Service. Stephens CD, et al. **Br J Orthod** 1985 Oct;12(4):168–75

A survey of the Regional Secure Unit programme. Snowden P. **Br J Psychiatry** 1985 Nov;147:499–507

Employees with epilepsy in the NHS [letter] Betts TA. **Br Med J [Clin Res]** 1986 Mar 15;292(6522):764–5

National Health Service: control of nursing manpower [editorial] Chapman CM. **Br Med J [Clin Res]** 1985 Nov 2;291(6504):1221–2

Cooperation between the prison medical service and the NHS: a conversation. Edwards B, et al. **Br Med J [Clin Res]** 1985 Dec 14;291(6510):1698–9

Forensic pathology: the chronic crisis [editorial] Knight B. **Br Med J [Clin Res]** 1985 Oct 26;291(6503):1145–6

The National Health Service and medical libraries in England. Flake DB. **Bull Med Libr Assoc** 1986 Jan; 74(1):6–11

The General Dental Service in Scotland: an evaluation of findings reported by the Dundee Dental Health Services Research Unit. Elderton RJ. **Community Dent Health** 1985 Sep;2(3):225–36

The National Health Service and the health care industry. Brandon S. **Community Med** 1986 May;8(2):124–30

War planning in the Health Service—a survey of community physicians. Josephs DS, et al. **Community Med** 1986 Feb; 8(1):58–71

Medical ethics and resource allocation in the NHS. McGuire A, et al. **Community Med** 1986 Feb;8(1):54–7

Using diagnosis-related groups in the NHS. Sanderson H, et al. **Community Med** 1986 Feb;8(1):37–46

District Health Authority policy and the 'extended clinical role of the nurse' in primary health care. Bowling A. **J Adv Nurs** 1985 Sep;10(5):443–54

Dialysis or death? Doctors should stop covering up for an inadequate health service. Ward ED. **J Med Ethics** 1986 Jun;12(2):61–3

Psychoanalysis and analytic psychotherapy in the NHS—a problem for medical ethics. Wilkinson G. **J Med Ethics** 1986 Jun;12(2):87–94

Controlling the gatekeepers: the accountability of general practitioners. Day P, et al. **J R Coll Gen Pract** 1986 Mar; 36(284):129–30

Priorities in medical care. Edited report of a conference held at the College, March 1985 [clinical conference] **J R Coll Physicians Lond** 1985 Jul;19(3):127–46

Hospital medical staffing: hope at last? [editorial] **Lancet** 1986 Jul 19;2(8499):140–1

Health statistics' worst year [letter] Hopayian K. **Lancet** 1985 Nov 9;2(8463):1063

Community care. McCarthy M. **Lancet** 1986 Feb 15; 1(8477):392

Physician observes British medical practice. Dotterer C. **Pa Med** 1986 Jul;89(7):32–4

Evidence to the Royal Commission on the National Health Service. **Policy Statement R Coll Gen Pract** 1985 Nov; (1):1–10

The great wen [editorial] Golding AM. **Public Health** 1986 Mar;100(2):67–8

A national health service for South Africa [letter] **S Afr Med J** 1986 Aug 16;70(4):236–8

Failure of tuberculosis control in South Africa—the need for a unitary national health service [editorial] Benatar SR. **S Afr Med J** 1986 Aug 30;70(5):247–8

A national health service for South Africa [letter] Heard N, et al. **S Afr Med J** 1986 Sep 13;70(6):370–1

Towards a national health service for South Africa. A personal view. Klopper JM. **S Afr Med J** 1986 Aug 30; 70(5):293–5

Labour relations in health services management. Barnard K, et al. **Soc Sci Med** 1986;22(11):1213–23 (79 ref.)

[Legal protection of the principle of rendering medical care free of charge] Glushkov VA. **Klin Khir** 1985;(11):45–7 (Rus)

ECONOMICS

NHS patient charges and the privatisation of dental care. Birch S. **Br Dent J** 1985 Dec 7;159(11):377–8

A capitation system for the treatment of children in the general dental service. Coventry P, et al. **Br Dent J** 1986 Mar 8;160(5):174–7

Financial implications of the 1985 GDS patient charging system. Nuttall NM. **Br Dent J** 1985 Dec 7;159(11):375–6

A rise is a rise is a rise [editorial] **Br Med J [Clin Res]** 1986 Aug 2;293(6542):290

Public watchdog bites the NHS. Ellis N. **Br Med J [Clin Res]** 1986 Jun 7;292(6534):1537–8

Bleak future for NHS funding. Ellis N. **Br Med J [Clin Res]** 1985 Nov 9;291(6505):1367–8

Cutting the cake: government spending plans for 1986–9. McCarthy M. **Br Med J [Clin Res]** 1986 Mar 22; 292(6523):840–2

A fairer deal from RAWP [editorial] McCarthy M. **Br Med J [Clin Res]** 1986 Feb 1;292(6516):289–90

Socialized medicine: a solution to the cost crisis in health care in the United States. Himmelstein DU, et al. **Int J Health Serv** 1986;16(3):339–54

Historical changes in doctoring: a reply to Milton Roemer [letter] McKinlay JB, et al. **Int J Health Serv** 1986; 16(3):473–7

Proletarianization of physicians or organization of health services? [letter] Roemer M. **Int J Health Serv** 1986; 16(3):469–71

Expenditure on the NHS. National Health Service [letter] **Lancet** 1986 Jul 12;2(8498):107–8

Money and the NHS: a new phase [editorial] **Lancet** 1985 Nov 30;2(8466):1221–2

What priorities for health? Klein R. **Lancet** 1971 Dec 11; 2(7737):1306–7

Public health and economic policy: financing the NHS. Smart T, et al. **Lancet** 1985 Nov 30;2(8466):1233–5

Cost without benefit. Administrative waste in U.S. health care. Himmelstein DU, et al. **N Engl J Med** 1986 Feb 13; 314(7):441–5

Cost structures in a large hospital for the mentally handicapped. Johnes G, et al. **Soc Sci Med** 1986; 22(6):605–10

HISTORY

Medical officers of health and health services. Godber GE. **Community Med** 1986 Feb;8(1):1–14

The Board of Supervision and the Scottish parochial medical service, 1845–95. Blackden S. **Med Hist** 1986 Apr; 30(2):145–72

LEGISLATION & JURISPRUDENCE

Fort health not unlimited. Grainger CR. **J R Soc Health** 1986 Aug;106(4):146

Occupational health: a new/old bill [editorial] **Lancet** 1971 Dec 11;2(7737):1300–1

ORGANIZATION & ADMINISTRATION

Socialist health care in Tanzania: a view from Kilimanjaro Christian Medical Centre. Barry M, et al. **Ann Intern Med** 1986 Mar;104(3):438–40

The truth about the NHS? [editorial] **Br Med J [Clin Res]** 1986 Jun 21;292(6536):1623–4

Incentives to efficiency in NHS management. An American view. **Br Med J [Clin Res]** 1985 Oct 12;291(6501):1067–8

Griffiths in action: not what the doctor ordered [editorial] **Br Med J [Clin Res]** 1985 Sep 28;291(6499):843–4

Gridlock and incentives in NHS [editorial] **Br Med J [Clin Res]** 1985 Oct 12;291(6501):992–3

Unit management and the role of doctors in local decision making. Davey WJ. **Br Med J [Clin Res]** 1985 Sep 28; 291(6499):911–3

Are DHAs kidnapping consultants' contracts? Dyson R. **Br Med J [Clin Res]** 1985 Dec 7;291(6509):1663–4

Managing without doctors: realities of Griffiths. Ellis N. **Br Med J [Clin Res]** 1985 Sep 21;291(6498):837–8

The doctor, the patient, and their contract. III. Alternative contracts: are they viable? Maynard A, et al. **Br Med J [Clin Res]** 1986 May 31;292(6533):1438–40

Process and outcome in the National Health Service. Patel MS, et al. **Br Med J [Clin Res]** 1985 Nov 9; 291(6505):1365–6

Clinical freedom and management accountability. Rendall M. **Br Med J [Clin Res]** 1985 Oct 5;291(6500):982–3

Managers attempt to hijack community medicine. St George D. **Br Med J [Clin Res]** 1985 Nov 30;291(6508):1589–90

Management training for clinicians. Waters H. **Br Med J [Clin Res]** 1985 Nov 2;291(6504):1294–5

Ten years after reorganisation: changes in mortality measures 1974–1983 in Scotland and health boards. Carstairs V, et al. **Health Bull (Edinb)** 1986 Jul;44(4):203–17

Managing the National Health Service in Scotland: an agenda for research and development. Hunter DJ. **Health Bull (Edinb)** 1985 May;43(3):135–40

Organized medicine and Scandinavian professional unionism: hospital policies and exit options in Denmark and Sweden. Heidenheimer AJ, et al. **J Health Polit Policy Law** 1985 Summer;10(2):347–70

Community health councils—a nurse's contribution. Jacob BM. **J R Soc Health** 1986 Apr;106(2):44–5

Using simulation to plan Health Service resources: discussion paper. Davies R, et al. **J R Soc Med** 1986 Mar;79(3):154–7

The NHS needs a change [letter] **Lancet** 1986 Jun 14; 1(8494):1385–6

Care of disabled—a cacophony [editorial] **Lancet** 1986 Sep 13;2(8507):613–4

The assault on psychiatry [editorial] Goldberg D. **Lancet** 1986 May 17;1(8490):1143–4

'Public health' physicians [editorial] Haward RA. **Public Health** 1986 May;100(3):137–9

Health sector structures: the case of Spain. de Miguel JM. **Soc Sci Med** 1986;22(2):233–46

[Current problems in the development of public health in Great Britain] Vartanian FE, et al. **Sov Zdravookhr** 1985; (10):57–61 **(Rus)**

TRENDS

Cynicism and optimism: the National Health Service through a wide-angle lens. Robertson RF. **Health Bull (Edinb)** 1985 Sep;43(5):221–7

Unsafe in their hands: Health Service statistics for England. Radical Statistics Health Group. **Int J Health Serv** 1986; 16(2):298–308

The Health Service in England: helping more patients today—planning for the patients of tomorrow. Fowler N. **Int J Health Serv** 1986;16(2):293–7

Shattuck lecture—the politics of medicine in Britain and the United States. Lister J. **N Engl J Med** 1986 Jul 17; 315(3):168–74

The quality assurance project at the King's Fund Centre in London. Shaw CD. **QRB** 1986 Apr;12(4):150–1

The state and health in France. Steudler F. **Soc Sci Med** 1986;22(2):211–21

STATISTICS

see related
BIOMETRY
PSYCHOMETRICS
SOCIOMETRIC TECHNICS

Graphical tool for comparing ratios proposed in the literature on traffic accidents. Parunak A, et al. **Accid Anal Prev** 1985 Apr;17(2):87–100 (41 ref.)

A statistical trap in the evaluation of visual field decay. Krakau CE. **Acta Ophthalmol [Suppl] (Copenh)** 1985; 173:19–21

Verification of the assumption of independence and identical distribution of responses in the record of the school-achievement test. I. Komenda S, et al. **Acta Univ Palacki Olomuc Fac Med** 1982;103:59–69

Entropy relations in the variables of the school-achievement test. Komenda S. **Acta Univ Palacki Olomuc Fac Med** 1982; 103:81–8

Verification of the assumption of independence and identical distribution of responses in the record of the school-achievement test. II. Komenda S, et al. **Acta Univ Palacki Olomuc Fac Med** 1982;103:71–80

Can we use results of better statistical approaches to method comparison studies? [editorial] Beeler MF. **Am J Clin Pathol** 1986 Sep;86(3):406

A classification of original articles. AJDC 1983 and 1984. Brown GW, et al. **Am J Dis Child** 1986 Jul;140(7):641–5

Statistics, reviews, and AJDC [editorial] Fulginiti VA. **Am J Dis Child** 1986 Jul;140(7):627

Matched case-control designs and overmatched analyses. Brookmeyer R, et al. **Am J Epidemiol** 1986 Oct; 124(4):693–701

Estimating the population attributable risk for multiple risk factors using case-control data. Bruzzi P, et al. **Am J Epidemiol** 1985 Nov;122(5):904–14

The exposure odds ratio in nested case-control studies with competing risks. Flanders WD, et al. **Am J Epidemiol** 1986 Oct;124(4):684–92

Adjusting for confounding with statistical software packages. Debanne SM, et al. **Am J Perinatol** 1986 Apr;3(2):133–4

Measures of precision for means: SE or SD? [letter] Hamer RM. **Am J Psychiatry** 1986 Jun;143(6):804–5

Spectrum and frequency of use of statistical techniques in psychiatric journals. Hokanson JA, et al. **Am J Psychiatry** 1986 Sep;143(9):1118–25

Is standard deviation always the right choice? [letter] Nierenberg A, et al. **Am J Psychiatry** 1986 Sep; 143(9):1198–9

Significance tests represent consensus and standard practice [letter] Walker AM. **Am J Public Health** 1986 Aug; 76(8):1033–4

An assessment of statistics [letter] Shanks CA, et al. **Anesthesiology** 1986 Aug;65(2):232–3

The analysis of intraclass correlation in multiple samples. Donner A. **Ann Hum Genet** 1985 Jan;49 (Pt 1):75–82

Science, statistics, and deception. Bailar JC 3d. **Ann Intern Med** 1986 Feb;104(2):259–60

Significance questing [editorial] Rothman KJ. **Ann Intern Med** 1986 Sep;105(3):445–7

Confidence intervals for reporting results of clinical trials. Simon R. **Ann Intern Med** 1986 Sep;105(3):429–35

Discriminant analysis [letter] Rypins EB. **Ann Surg** 1986 Jan; 203(1):113

Relative risk and odds ratio regression. Prentice RL, et al. **Annu Rev Public Health** 1986;7:35–58 (63 ref.)

Beyond chi-square: log-linear analysis and related methods of qualitative analysis. Bigbee JL. **ANS** 1986 Apr;8(3):70–9

Commentary on current World Health Organisation definitions used in perinatal statistics. Chiswick ML. **Arch Dis Child** 1986 Jul;61(7):708–10

Type III error [editorial] Condon RE. **Arch Surg** 1986 Aug; 121(8):877–8

Statistical aspects of interpreting the results of clinical trials for OME. Rockette HE, et al. **Auris Nasus Larynx** 1985; 12 Suppl 1:S249–51

Simultaneous multiple comparison procedures in psychiatric research. Hall W, et al. **Aust NZ J Psychiatry** 1986 Mar; 20(1):46–54

The problem of multiple inference in psychiatric research. Hall W, et al. **Aust NZ J Psychiatry** 1985 Sep;19(3):265–74

Statistics: necessary and important [editorial] Altman DG. **Br J Obstet Gynaecol** 1986 Jan;93(1):1–3

New statistical workload indicators, NPR and NAR, for radiotherapy departments [letter] Mould RF. **Br J Radiol** 1986 Jul;59(703):713–5

Ordinal scale and statistics in medical research. Forrest M, et al. **Br Med J [Clin Res]** 1986 Feb 22;292(6519):537–8

Towards estimation and confidence intervals [editorial] Langman MJ. **Br Med J [Clin Res]** 1986 Mar 15; 292(6522):716

Experimental design and statistical analysis. Moodie PF, et al. **Can Anaesth Soc J** 1986 Jan;33(1):63–5

Analysis of the diagnostic performance in breast cancer screening by relative operating characteristics. Rombach JJ, et al. **Cancer** 1986 Jul 1;58(1):169–77

Assessing diagnostic tests once an optimal cutoff point has been selected. Linnet K, et al. **Clin Chem** 1986 Jul; 32(7):1341–6

Improved reference-interval estimation. Shultz EK, et al. **Clin Chem** 1985 Dec;31(12):1974–8

The differential positive rate, a derivative of receiver operating characteristic curves useful in comparing tests and determining decision levels [letter] Ward CD. **Clin Chem** 1986 Jul;32(7):1428–9

The suitability of the statistical techniques currently used to describe and analyse cross-sectional caries data. Worthington HV. **Community Dent Health** 1984 Jul; 1(2):125–30

On statistical comparison of two diagnostic tests. Balás EA, et al. **Comput Biomed Res** 1985 Dec;18(6):497–501

On robust partial discriminant analysis as a decision-making tool with clinical and analytical chemical data. Booth DE, et al. **Comput Biomed Res** 1986 Feb;19(1):1–12

JANA: a new iterative polyexponential curve stripping program. Dunne A. **Comput Methods Programs Biomed** 1985 Aug;20(3):269–75

A curve analyzer for micro-computers. Matthews HR. **Comput Methods Programs Biomed** 1985 Aug;20(3):261–7

Confidence intervals following group sequential tests. Chang MN, et al. **Controlled Clin Trials** 1986 Mar;7(1):18–26

A new look at entropy and the life table. Goldman N, et al. **Demography** 1986 May;23(2):275–82

Biomedical sciences and mathematical statistics in Japan: personal experiences and future outlook. Kudo A. **Environ Health Perspect** 1985 Nov;63:183–5

Statistical analyses for in vitro cytogenetic assays using Chinese hamster ovary cells. Margolin BH, et al. **Environ Mutagen** 1986;8(2):183–204

Warning against poor application of statistical tests: confusing experimental intervention and time trends [editorial] Jesdinsky HJ. **Eur J Clin Pharmacol** 1986;30(2):131–2

How should we estimate confidence intervals for a ratio, for example, between counts of colony-forming cells? Liestøl K, et al. **Exp Hematol** 1986 Mar;14(3):187–91

Once more: down with inadequate t-tests! [letter] **Gastroenterology** 1986 Sep;91(3):787–8

Improvement of the method of kernel estimation by local polynomial approximation of the empirical distribution function and its application to empirical regression. Schmerling S, et al. **Gegenbaurs Morphol Jahrb** 1986; 132(1):29–35

Deinstitutionalization: what do the numbers mean? Bachrach LL. **Hosp Community Psychiatry** 1986 Feb;37(2):118–9, 121

Conceptual subtleties of the percentile [letter] Lee J. **Int J Epidemiol** 1986 Mar;15(1):141–2

Statistical analysis of case-control studies of communicable diseases. Tillett HE. **Int J Epidemiol** 1986 Mar;15(1):126–33

Unsafe in their hands: Health Service statistics for England. Radical Statistics Health Group. **Int J Health Serv** 1986; 16(2):298–308

Statistical evaluation of nutritional, neurochemical and behavioural data: a case study. Munoz-Box R. **Int J Vitam Nutr Res [Suppl]** 1986;29:83–97

Peer pressures. Herbert DE. **Invest Radiol** 1985 Dec; 20(9):887–93

Appropriate statistical techniques urged [letter] Blais FX, et al. **J Am Osteopath Assoc** 1985 Oct;85(10):619–20

Coherent averaging technique: a tutorial review. Part 2: Trigger jitter, overlapping responses and non-periodic stimulation. Rompelman O, et al. **J Biomed Eng** 1986 Jan; 8(1):30–5

Coherent averaging technique: a tutorial review. Part 1: Noise reduction and the equivalent filter. Rompelman O, et al. **J Biomed Eng** 1986 Jan;8(1):24–9

Fast method for computing the Fourier integral transform via Simpson's numerical integration. Simonen P, et al. **J Biomed Eng** 1985 Oct;7(4):337–40

Confounded correlations: statistical limitations in the analysis of interregional relationships of cerebral metabolic activity. Ford I. **J Cereb Blood Flow Metab** 1986 Jun;6(3):385–8

The bias caused by high values of incidence for p1 in the odds ratio assumption that 1–p1 approximately equal to 1. Feinstein AR. **J Chronic Dis** 1986;39(6):485–7

An alternative approach to statistical age-period-cohort analysis. Holford TR. **J Chronic Dis** 1985;38(10):831–40

Beneath the technological fix. Outliers and probability statements. Johnson AF. **J Chronic Dis** 1985;38(11):957–61

Statistical age-period-cohort analysis: a review and critique. Kupper LL, et al. **J Chronic Dis** 1985;38(10):811–30

Highly correlated variables in logistic analyses: comment [letter] Leigh JP. **J Chronic Dis** 1986;39(2):151–3

On logistic analysis relating diet and CHD incidence [letter] Mantel N. **J Chronic Dis** 1986;39(2):154–6

A comparison of direct adjustment and regression adjustment of epidemiologic measures. Wilcosky TC, et al. **J Chronic Dis** 1985;38(10):849–56

Interpreting behavioral, biomedical, and psychological relationships in chronic disease from 2 x 2 tables using correlation. Wolf FM, et al. **J Chronic Dis** 191 (8):605–8

Exploratory data analysis and the use of the haz. function for interpreting survival data: an investigator's primer. Simes RJ, et al. **J Clin Oncol** 1985 Oct;3(10):1418–31

Analysis of change—are base-line measurements needed? Some statistical comments on a common experimental design. Blomqvist N, et al. **J Clin Periodontol** 1985 Nov; 12(10):877–81

On the choice of computational unit in statistical analysis. Blomqvist N. **J Clin Periodontol** 1985 Nov;12(10):873–6

Statistical assessment of perceptual CT scan ratings in patients with Alzheimer type dementia. LeMay M, et al. **J Comput Assist Tomogr** 1986 Sep–Oct;10(5):802–9

Percent agreement, Pearson's correlation, and kappa as measures of inter-examiner reliability. Hunt RJ. **J Dent Res** 1986 Feb;65(2):128–30

Use of nonparametric correlation analysis in graduate students research projects. Beck CT. **J Nurs Educ** 1986 Jan;25(1):41–2

Comparison of harmonic mean versus arithmetic mean clearance values. Schaaf LJ, et al. **J Pharm Sci** 1986 Apr; 75(4):427–9

The Journal of Prosthetic Dentistry guidelines for reporting statistical results. Morse PK. **J Prosthet Dent** 1985 Oct; 54(4):607–8

Beta, or type II error in psychiatric controlled clinical trials. Edlund MJ, et al. **J Psychiatr Res** 1985;19(4):563–7

The presentation and analysis of experimental data. Peck DF, et al. **J Psychosom Res** 1985;29(4):337–9

The role of statistics in state health policy decisions: the Massachusetts experience. Walker B Jr.
J Public Health Policy 1986 Spring;7(1):12–20

Use of statistics in the Journal of School Health 1979–1983: a content analysis. Rudolph A, et al. **J Sch Health** 1985 Aug;55(6):230–3

How to estimate practical significance in health education research. Torabi MR. **J Sch Health** 1986 Aug;56(6):232–4

An application of exploratory statistical methods to language pathology: analysis of the Western Aphasia Battery's Cortical Quotient in acute stroke patients. Research note. Fromm D, et al. **J Speech Hear Res** 1986 Mar;29(1):135–42

A "rationalized" arcsine transform.Studebaker GA.
J Speech Hear Res 1985 Sep;28(3):455–62

"Tell me not in mournful numbers".Herz JA.
J Subst Abuse Treat 1985;2(4):i–ii

Re: Predictive value of a positive test [letter] **JAMA** 1986 Mar 21;255(11):1437–8

Observations vs statistics [letter] Feldman T. **JAMA** 1985 Nov 22–29;254(20):2896

Presentation of variability [letter] Altman DG, et al.
Lancet 1986 Sep 13;2(8507):639

Statistical methods for assessing agreement between two methods of clinical measurement. Bland JM, et al.
Lancet 1986 Feb 8;(8476):307–10

Issues in the use of kappa to estimate reliability. Soeken KL, et al. **Med Care** 1986 Aug;24(8):733–41

Statistical significance and confidence intervals [editorial] Berry G. **Med J Aust** 1986 Jun 9;144(12):618–9

Statistics and the woman giving birth in the Melbourne ambulance [letter] Smith R. **Med J Aust** 1985 Dec 9–23; 143(12–13):610–1

Considerations in the choice of expected numbers for appropriate comparisons in occupational cohort studies. Gardner MJ. **Med Law** 1986 Jan–Feb;77(1):23–47 (93 ref.)

Revised values for the parameters of the sets technique for monitoring the incidence rate of a rare disease. Chen R. **Methods Inf Med** 1986 Jan;25(1):47–9

Discriminant methods as aids to the diagnosis of acute coronary heart disease in the emergency room. Moussa MA, et al. **Methods Inf Med** 1986 Jan;25(1):43–6

Kernel estimation techniques for the analysis of clinical curves. Müller HG, et al. **Methods Inf Med** 1985 Oct; 24(4):218–24

Comparing the means of several groups [letter] Anderson RL, et al. N **Engl J Med** 1986 May 15;314(20):1325

Statistical concepts fundamental to investigations [letter] Cleophas TJ. N **Engl J Med** 1985 Oct 17;313(16):1026

Statistics in practice. Comparing the means of several groups. Godfrey K. N **Engl J Med** 1985 Dec 5;313(23):1450–6

Multivariate cohort analysis. Breslow N.
Natl Cancer Inst Monogr 1985 May;67:149–56

Matched groups analysis method. Hammond EC.
Natl Cancer Inst Monogr 1985 May;67:157–60

Strategies for validation. Lew RA.
Natl Cancer Inst Monogr 1985 May;67:161–8

Avoidance of bias in cohort studies. Mantel N.
Natl Cancer Inst Monogr 1985 May;67:169–72

Planning research studies: an alternative to power analysis. Cobb EB. **Nurs Res** 1985 Nov–Dec;34(6):386–8

Three estimates of interrater reliability for nominal data. Topf M. **Nurs Res** 1986 Jul–Aug;35(4):253–5

Chi-square limitations and alternatives [letter] Bohannon R. **Phys Ther** 1986 Jun;66(6):1002

Computer communication. Reliability. Francis K.
Phys Ther 1986 Jul;66(7):1140–4

Determination of sample size. Francis K. **Phys Ther** 1986 Jan;66(1):104, 107–8

Introduction to hypotheses testing. Kispert CP.
Phys Ther 1985 Oct;65(10):1544, 1546, 1548 passim

Understanding correlation coefficients and regression. Malgady RG, et al. **Phys Ther** 1986 Jan;66(1):110, 112, 114 passim

Comparing two sample means t tests. Witt PL, et al.
Phys Ther 1985 Nov;65(11):1730–3

Nonparametric testing using the chi-square distribution. Witt PL, et al. **Phys Ther** 1986 Feb;66(2):264, 266–8

Assessing your research readiness. Clayden AD.
Practitioner 1986 Jul;230(1417):643–7

ROC curves and measures of discrimination accuracy: a reply to Swets. Nelson TO. **Psychol Bull** 1986 Jul;100(1):128–32

A comparison of current measures of the accuracy of feeling-of-knowing predictions. Nelson TO.
Psychol Bull 1984 Jan;95(1):109–33

Beware of a half-tailed test. Overall JE, et al.
Psychol Bull 1986 Jul;100(1):121–2

The role of statistics in psychiatry. Hand DJ.
Psychol Med 1985 Aug;15(3):471–6

Spurious correlations—causes and cures. Halperin S.
Psychoneuroendocrinology 1986;11(1):3–13

Evaluation of test data from clinical studies. I. Terminology, graphic interpretation, diagnostic strategies, and selection of sample groups. II. Critical review of the concepts of efficiency, receiver operated characteristics (ROC), and likelihood ratios. Gerhardt W, et al.
Scand J Clin Lab Invest [Suppl] 1986;181:1–74

International Society for Clinical Biostatistics, fifth international meeting. San Marino, 9–13 September 1984. **Stat Med** 1985 Jul–Sep;4(3):251–386

A Wilcoxon-type test for trend [letter] **Stat Med** 1985 Oct–Dec;4(4):543–7

On tests for equality of predictive values for t diagnostic procedures. Bennett BM. **Stat Med** 1985 Oct–Dec; 4(4):535–9

Selecting risk factors: a comparison of discriminant analysis, logistic regression and Cox's regression model using data from the Tromsø Heart Study. Brenn T, et al.
Stat Med 1985 Oct–Dec;4(4):413–23

Using test-retest reliability data to improve estimates of relative risk: an application of latent class analysis. Clayton D. **Stat Med** 1985 Oct–Dec;4(4):445–55

Considerations of statistical power in the shared-haplotypes test. Ewens WJ. **Stat Med** 1986 May–Jun;5(3):281–8

A proposal for interpreting and reporting negative studies. Hauck WW, et al. **Stat Med** 1986 May–Jun;5(3):203–9

The cusum test of homogeneity with an application in spontaneous abortion epidemiology. Levin B, et al.
Stat Med 1985 Oct–Dec;4(4):469–88

The value of specialized tests in studies where ordered group means are expected. Shirley EA. **Stat Med** 1985 Oct–Dec; 4(4):489–96

Small sample estimation of log odds ratios from logistic regression and fourfold tables. Walter SD. **Stat Med** 1985 Oct–Dec;4(4):437–44

Edmond Halley and the beginnings of medical statistics. Chakravorty RC. **Surg Gynecol Obstet** 1986 Apr; 162(4):383–7

In-hospital mortality of surgical patients: is there an empiric basis for standard setting? Sloan FA, et al. **Surgery** 1986 Apr;99(4):446–54

Fisher's "reproductive value" as an economic specimen in Merton's zoo. Samuelson PA. **Trans NY Acad Sci** 1980; 39:126–42

Multivariate analysis of risk factors in cadaver donor kidney transplantation. Sanfilippo F, et al. **Transplantation** 1986 Jul;42(1):28–34

Use of nonlinear mapping in multivariate image analysis of molecule projections. Radermacher M, et al.
Ultramicroscopy 1985;17(2):117–26

Hospital mortality [editorial] Sautter RD. **Wis Med J** 1986 May;85(5):6–7

[How to determine the medical reference regions by multidimensional scaling] Chen B.
Chung Hua Yu Fang I Hsueh Tsa Chih 1985 Nov; 19(6):343–6 (Eng. Abstr.) (Chi)

[A brief discussion on statistical research and health statistics] Tian FT. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1984 Nov; 18(6):337–40 (Eng. Abstr.) (Chi)

[Application of spline function in biomedical research] Zhu QL. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Dec;6(6):470–3 (Eng. Abstr.) (Chi)

[Statistical methods used in the Journal of Formosan Medical Association] Chiang TL, et al.
Taiwan I Hsueh Hui Tsa Chih 1986 Mar;85(3):213–6 (Eng. Abstr.) (Chi)

[Methods of multidimensional analysis and their use in medicine] Drdková S. **Cas Lek Cesk** 1985 Sep 27; 124(38–39):1190–3 (Eng. Abstr.) (Cze)

[25 years' activity of the Institute of Health Information and Statistics (1960–1985)] Mazánková V. **Cesk Zdrav** 1986 Apr;34(4):150–5 (Cze)

[Type 1, 2 and 3 errors] Forrest M, et al. **Nord Med** 1985; 100(10):272–4 (Dan)

[The kappa coefficient—a goal for evaluating the reproducibility of nominal and ordinary data] Gjørup T, et al. **Nord Med** 1986;101(3):90–4 (Eng. Abstr.) (Dan)

[Danish doctors' knowledge of the most common statistical expressions] Andersen B, et al. **Ugeskr Laeger** 1986 Apr 21;148(17):1039–42 (Eng. Abstr.) (Dan)

[Conception of a program for the treatment and statistical interrogation of data, LOGIST] Chau N, et al.
Int J Biomed Comput 1985 Mar;16(2):95–118 (Eng. Abstr.) (Fre)

[Statistics (letter)] **Rev Chir Orthop** 1986;72(3):235–8 (Fre)

[The good use of multivariate statistics] von Frenckell R. **Rev Electroencephalogr Neurophysiol Clin** 1986 Feb; 15(4):375–80 (Eng. Abstr.) (Fre)

[A test of interaction between matching variables and risk factors in 2 matched samples] Ravaud JF, et al.
Rev Epidemiol Sante Publique 1986;34(2):106–9 (Eng. Abstr.) (Fre)

[Discriminant analysis and conditional probabilities, the modern approach to differential diagnosis] Verniory A.
Rev Med Brux 1985 Sep;6(7):455–7 (11 ref.) (Eng. Abstr.) (Fre)

[2 nonparametric statistical tests for small-size samples] Biebler KE, et al. **Z Arztl Fortbild (Jena)** 1986;80(4):175–7 (Ger)

[Bonferroni–Holm sequential test procedure] Sonnenberg A. **Z Gastroenterol** 1985 Dec;23(12):703–4 (Ger)

[Correlation coefficient as a basic number for psychophysical relationships] Seidler H, et al. **Z Morphol Anthropol** 1986; 76(2):139–47 (Eng. Abstr.) (Ger)

[Clinical experimentation: source of errors. The point of view of the medical statistician] Marinoni A. G **Ital Cardiol** 1985 Jun;15(6):628–30 (Ita)

[Inexpensive computer-digitiser system for image and statistical analysis] Okada A. **Ann Physiol Anthropol** 1986 Jan;5(1):59–66 (Eng. Abstr.) (Jpn)

[The meaning of statistical data in medical science and their examination—true and false analysis of statistical data] Hayashi C. **Gan To Kagaku Ryoho** 1986 Apr;13(4 Pt 2):1149–55 (Eng. Abstr.) (Jpn)

[Microcomputers in medical statistics] Horoch A.
Pol Tyg Lek 1986 Apr 28;41(17):571–2 (Pol)

[Multivariate analysis; an example using a log-linear model] de Souza JM, et al. **Rev Saude Publica** 1985 Jun;19(3):263–9 (Eng. Abstr.) (Por)

[Use of discriminant analysis in industrial hygiene] Karmolin AL. **Gig Tr Prof Zabol** 1986 Mar;(3):36–7 (Rus)

[Perinatal cohort studies. Age and pregnancy as causes of skewing] Avila H, et al. **Bol Of Sanit Panam** 1985 Oct; 99(4):400–4 (Eng. Abstr.) (Spa)

[The use of statistics in medical publications: an international comparison] Noiasco A, et al. **Med Clin (Barc)** 1986 May 24;86(20):841–4 (Eng. Abstr.) (Spa)

EDUCATION

The way we teach basic statistics in medicine. Givner N, et al. **Med Teach** 1985;7(2):203–8

METHODS

The dangers of correlation of mean alcohol consumption with other variables over time [letter] Duffy SW.
Alcohol Alcohol 1985;20(3):347–9

Statistical issues concerning computerized analysis of brainwave topography. Oken BS, et al. **Ann Neurol** 1986 May;19(5):493–7

Confidence intervals rather than P values: estimation rather than hypothesis testing. Gardner MJ, et al.
Br Med J [Clin Res] 1986 Mar 15;292(6522):746–50

Brain asymmetry: facts and fallacies in statistical inference. Levy J. **Brain Cogn** 1986 Jan;5(1):115–25

Correct and incorrect estimation of within-day and between-day variation. Bookbinder MJ, et al.
Clin Chem 1986 Sep;32(9):1734–7

The Friedewald formula: statistical acrobatics? [letter] Lippi U, et al. **Clin Chem** 1986 May;32(5):909–11

Brief survey of scope and limitations of quantum and statistical mechanical methods. Geller M, et al.
Drugs Exp Clin Res 1986;12(6–7):595–612

Longitudinal analysis of categorical epidemiological data: a study of Three Mile Island. Fienberg SE, et al.
Environ Health Perspect 1985 Nov;63:241–8

Analysis of data in square contingency tables with ordered categories using the conditional symmetry model and its decomposed models. Tomizawa S.
Environ Health Perspect 1985 Nov;63:235–9

Use of historical controls for animal experiments. Yanagawa T, et al. **Environ Health Perspect** 1985 Nov;63:217–24

Use of the one sample t-test in the real world [letter] Burr FR, et al. **J Chronic Dis** 1985;38(12):1029–30

The use of r value [letter] Yadav H. **Med J Malaysia** 1985 Jun;40(2):143–4

Longisectional interaction structure analysis (LISA) in psychopharmacology and developmental psychopathology. Lienert GA, et al. **Neuropsychobiology** 1985;14(1):27–34

Going beyond the narrative summarization of research findings: the meta-analysis approach. Curlette WL, et al.
Res Nurs Health 1985 Sep;8(3):293–301

[Statistical analysis of a file of angiologic data on a microcomputer. Discriminant analysis of occlusive impedance rheoplethysmography data] Dubois F, et al.
J Mal Vasc 1985;10(2):135–9 (Eng. Abstr.) (Fre)

[Weibull statistical distribution in physiologic research] Sharonova LN. **Med Tekh** 1986 May–Jun;(3):8–12 (Eng. Abstr.) (Rus)

[Statistical analysis of the results of clinico-experimental studies] Iurakh EM, et al. **Vrach Delo** 1985 Nov;(11):114–7 (Rus)

STANDARDS

Use of check lists in assessing the statistical content of medical studies. Gardner MJ, et al. **Br Med J [Clin Res]** 1986 Mar 22;292(6523):810–2

Statistical studies in genetic toxicology: a perspective from the U.S. National Toxicology Program. Margolin BH.
Environ Health Perspect 1985 Nov;63:187–94

STATUS ASTHMATICUS see under **ASTHMA**

STATUS DYSRAPHICUS

Re: Delayed diagnosis of voiding dysfunction: occult spinal dysrhaphism [letter] Kondo A. **J Urol** 1986 Sep;136(3):688

DIAGNOSIS

MRI in infants and children with spinal dysraphism. Barnes PD, et al. **AJR** 1986 Aug;147(2):339–46

Delayed recognition of dermal sinus and spinal dysraphism. Aston NO, et al. **Practitioner** 1985 Nov;229(1409):1033–6

ENZYMOLOGY

Cytochemical localization of acid phosphatase in the hindbrain of dysraphic mice. Wilson DB, et al.
Acta Neuropathol (Berl) 1986;70(2):142–8

STATUS EPILEPTICUS

[Status of minor (in a broad sense) epileptic seizures] Karbowski K. **Schweiz Rundsch Med Prax** 1986 Jun 17; 75(25):771–4 (Eng. Abstr.) (Ger)

[Status epilepticus in childhood] Vassella F, et al.
Schweiz Rundsch Med Prax 1986 Jun 17;75(25):757–60 (15

ref.) (Eng. Abstr.) (Ger)

CHEMICALLY INDUCED

Cerebral energy metabolism during bicuculline-induced status epilepticus in spontaneously hypertensive rats. Johansson BB, et al. **Acta Physiol Scand** 1985 Mar; 123(3):299–302

Another report of nonconvulsive status epilepticus after metrizamide myelography [letter] Wagner JH Jr. **Ann Neurol** 1985 Sep;18(3):369–70

Non-convulsive status epilepticus after abrupt withdrawal of hypnotic-sedative drugs. Emre M, et al. **Eur Arch Psychiatry Neurol Sci** 1985;235(1):21–5

Characterization of lithium potentiation of pilocarpine-induced status epilepticus in rats. Jope RS, et al. **Exp Neurol** 1986 Mar;91(3):471–80

Metrizamide and the EEG: three case reports and a review. Elian M, et al. **J Neurol** 1985;232(6):341–5

Status epilepticus due to abrupt diazepam withdrawal: a case report [letter] Zaccara G, et al. **J Neurol Neurosurg Psychiatry** 1986 Aug;49(8):959–60

COMPLICATIONS

Status epilepticus manifesting as reversible Wernicke's aphasia. Knight RT, et al. **Epilepsia** 1986 May–Jun; 27(3):301–4

Myocardial infarction complicating status epilepticus. Sechi G, et al. **Epilepsia** 1985 Nov–Dec;26(6):572–6

Reversible parkinsonian syndrome (post epileptic). Kar BC, et al. **J Assoc Physicians India** 1986 Mar;34(3):211–2

Ictal catatonia as a manifestation of nonconvulsive status epilepticus. Lim J, et al. **J Neurol Neurosurg Psychiatry** 1986 Jul;49(7):833–6

Status epilepticus in pregnancy. A case report. Fougner AC, et al. **J Reprod Med** 1985 Dec;30(12):948–50

Brain damage following repeated electroshocks in cats and rats. Effect of artificial respiration and vitamin E. Manole E, et al. **Neurol Psychiatr (Bucur)** 1986 Jan–Mar;24(1):59–64

DIAGNOSIS

Repetitive pseudoseizures incorrectly managed as status epilepticus. Levitan M, et al. **Can Med Assoc J** 1986 May 1;134(9):1029–31

Protracted epileptiform encephalopathy: an unusual form of partial complex status epilepticus. Mikati MA, et al. **Epilepsia** 1985 Nov–Dec;26(6):563–71

Partial complex status presenting as acute prolonged confusion. Verma K, et al. **J Assoc Physicians India** 1985 Oct;33(10):666–7

Triphasic waves of metabolic encephalopathy versus spike-wave stupor [letter] Sheridan PH, et al. **J Neurol Neurosurg Psychiatry** 1986 Jan;49(1):108–9

Neuroradiological and electroencephalographic features in a case of temporal lobe status epilepticus. Stone JL, et al. **Neurosurgery** 1986 Feb;18(2):212–6

31P nuclear magnetic resonance study of the effect of hypoxemia on neonatal status epilepticus. Young RS, et al. **Pediatr Res** 1986 Jul;20(7):581–6

[Long-term prognosis of states of prolonged convulsive disorders. Apropos of 29 cases of states of convulsive disorders in excess of 24 hours] Barois A, et al. **Ann Pediatr (Paris)** 1985 Sep;32(7):621–6 (Eng. Abstr.) (Fre)

[Epileptic psychosis and nonconvulsive status epilepticus with ictal bradycardia and asystole] Rabending G, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Apr;38(4):184–8 (Eng. Abstr.) (Ger)

[Psychomotor status epilepticus—a case report] Strzelecka I. **Psychiatr Pol** 1985 May–Jun;19(3):243–7 (Pol)

DRUG THERAPY

Lorazepam in myoclonic seizures after cardiac arrest [letter] Vincent FM, et al. **Ann Intern Med** 1986 Apr;104(4):586

Comparison of isoflurane, halothane, and nitrous oxide in status epilepticus [letter] Ropper AH, et al. **Ann Neurol** 1986 Jan;19(1):98–9

Use of clobazam in certain forms of status epilepticus and in startle-induced epileptic seizures. Tinuper P, et al. **Epilepsia** 1986;27 Suppl 1:S18–26

Use of diazepam in status epilepticus [letter] Ahuja VK. **Indian J Pediatr** 1985 Nov–Dec;52(419):680–1

Lorazepam therapy of status epilepticus in children and adolescents. Lacey DJ, et al. **J Pediatr** 1986 May;108(5 Pt 1):771–4

Status epilepticus. Leppik IE. **Neurol Clin** 1986 Aug; 4(3):633–43 (43 ref.)

Acute management of seizures in children. Percy AK, et al. **Nurse Pract** 1986 Feb;11(2):15–8, 23, 27–8

Status epilepticus. Vining EP, et al. **Pediatr Ann** 1985 Nov; 14(11):764–5, 768–70

[Thiamylal coma therapy of refractory symptomatic convulsive status epilepticus] Ujike Y, et al. **Masui** 1985 Oct;34(10):1384–90 (Eng. Abstr.) (Jpn)

[Characteristics of the clinical features and pharmacological treatment of epileptics with frequent seizures] Kuran W, et al. **Neurol Neurochir Pol** 1986 Jan–Feb;20(1):12–7 (Eng. Abstr.) (Pol)

ETIOLOGY

Infantile status epilepticus as a complication of 'near-miss' sudden infant death [letter] Deonna T, et al. **Dev Med Child Neurol** 1986 Feb;28(1):120–1

Status epilepticus following electroconvulsive therapy. Kaufman KR, et al. **Mt Sinai J Med (NY)** 1986 Feb; 53(2):119–22

Toad toxicity [letter] Hitt M, et al. **N Engl J Med** 1986 Jun 5;314(23):1517–8

METABOLISM

Combined 1H and 31P nuclear magnetic resonance spectroscopic studies of bicuculline-induced seizures in vivo. Petroff OA, et al. **Ann Neurol** 1986 Aug;20(2):185–93

Neurochemical consequences of status epilepticus induced in rats by coadministration of lithium and pilocarpine. Jope RS, et al. **Exp Neurol** 1986 Aug;93(2):404–14

Neonatal seizures in monkeys and rabbits: brain glucose depletion in the face of normoglycemia, prevention by glucose loads. Dwyer BE, et al. **Pediatr Res** 1985 Oct; 19(10):992–5

PATHOLOGY

Status epilepticus in well-oxygenated rats causes neuronal necrosis. Nevander G, et al. **Ann Neurol** 1985 Sep; 18(3):281–90

PHYSIOPATHOLOGY

Regional cerebral blood flow and metabolic rates in human focal epilepsy and status epilepticus. Franck G, et al. **Adv Neurol** 1986;44:935–48

Status epilepticus: divergence of sympathetic activity and cardiovascular response. Benowitz NL, et al. **Ann Neurol** 1986 Feb;19(2):197–9

Complex partial status epilepticus: a depth-electrode study. Williamson PD, et al. **Ann Neurol** 1985 Dec;18(6):647–54

Cardiac dysfunction during status epilepticus in the neonatal pig. Young RS, et al. **Ann Neurol** 1985 Sep;18(3):291–7

Effects of status epilepticus on extracellular amino acids in the hippocampus. Lehmann A, et al. **Brain Res** 1985 Dec 16;359(1–2):147–51

Electrical status epilepticus lasting for 17 months without behavioural changes. Gökyigit A, et al. **Electroencephalogr Clin Neurophysiol** 1986 Jan;63(1):32–4

Ictal blindness and status epilepticus amauroticus. Barry E, et al. **Epilepsia** 1985 Nov–Dec;26(6):577–84

Nonconvulsive status epilepticus: high incidence of complex partial status. Tomson T, et al. **Epilepsia** 1986 May–Jun; 27(3):276–85

The relationship between visual seizures and visual evoked potentials. Hughes JR, et al. **Int J Neurosci** 1985 Dec; 28(3–4):297–305

[Status epilepticus in the Lennox-Gastaut syndrome] Dravet C, et al. **Rev Electroencephalogr Neurophysiol Clin** 1986 Feb;15(4):361–8 (Eng. Abstr.) (Fre)

THERAPY

[Grand mal seizures and status epilepticus in general practice— what's to be done?] Medici V. **Schweiz Rundsch Med Prax** 1986 Jun 17;75(25):761–5 (Eng. Abstr.) (Ger)

[Clinical treatment of grand mal epileptic status in adults] Roth F, et al. **Schweiz Rundsch Med Prax** 1986 Jun 17; 75(25):766–70 (Eng. Abstr.) (Ger)

STEALING see **THEFT**

STEAM

Residual formaldehyde in steam-formaldehyde sterilized materials. Vink P. **Biomaterials** 1986 May;7(3):221–4

Autoclave which sterilizes with highly purified steam for tissue-culture laboratories. Robbins JH, et al. **Lancet** 1971 Dec 4;2(7736):1236–7

STEARATES see under **STEARIC ACIDS**

STEARIC ACIDS

In vitro biopharmaceutical test for wetting rate. Plachy J, et al. **Acta Pharm Hung** 1985 Jul;55(4):212–6

Tissue distribution and pharmacokinetic evaluation of the targeting efficiency of synthetic alkyl glycoside vesicles. Kiwada H, et al. **Chem Pharm Bull (Tokyo)** 1985 Jun; 33(6):2475–82

Influence of the granulation technique and starting material properties on the lubricating effect of granular magnesium stearate. Johansson ME. **J Pharm Pharmacol** 1985 Oct; 37(10):681–5

Investigation of the film formation of magnesium stearate by applying a flow-through dissolution technique. Johansson ME, et al. **J Pharm Pharmacol** 1986 Jan; 38(1):51–4

[Role of metal stearates in preparation of Eudragit RS-microcapsules containing sulfamethizole by evaporation process in water phase] Goto S, et al. **Yakugaku Zasshi** 1986 Jan;106(1):60–7 (Eng. Abstr.) (Jpn)

[Effect of magnesium stearate in preparation of eudragit RS-microcapsules containing drugs] Goto S, et al. **Yakugaku Zasshi** 1985 Nov;105(11):1087–95 (Eng. Abstr.) (Jpn)

ANALYSIS

Investigations of the mixing time dependence of the lubricating properties of granular and powdered magnesium stearate. Johansson ME. **Acta Pharm Suec** 1985; 22(6):343–50

Reduction in the stearic to oleic acid ratio in human malignant liver neoplasms. Wood CB, et al. **Eur J Surg Oncol** 1985 Dec;11(4):347–8

Ibuprofen microcapsules from stearic acid. Part 1: Effect of particle size. Kagadis CA, et al. **Pharmazie** 1985 Nov: 40(11):807–8

CHEMICAL SYNTHESIS

Synthesis of heteroatom-substituted analogues of stearic acid. Pascal RA Jr, et al. **J Lipid Res** 1986 Feb;27(2):221–4

IMMUNOLOGY

Immunochemical studies of conjugates of isomaltosyl oligosaccharides to lipid: production and characterization of mouse hybridoma antibodies specific for stearyl-isomaltosyl oligosaccharides. Lai E, et al. **Mol Immunol** 1985 Sep;22(9):1021–37

METABOLISM

Whole body oxidation of dietary fatty acids: implications for energy utilization. Jones PJ, et al. **Am J Clin Nutr** 1985 Nov;42(5):769–77

Microsomal desaturation of stearic acid in relation to lymphocyte activation. Pajor L, et al. **Arch Biochem Biophys** 1986 Mar;245(2):348–55

The 73 kilodalton heat shock cognate protein purified from rat brain contains nonesterified palmitic and stearic acids. Guidon PT Jr, et al. **J Cell Physiol** 1986 Aug;128(2):239–45

PHARMACODYNAMICS

10-Thiastearic acid inhibits both dihydrosterculic acid biosynthesis and growth of the protozoan Crithidia fasciculata. Pascal RA Jr, et al. **J Biol Chem** 1986 Sep 25; 261(27):12441–3

STEARYL-COA DESATURASE see under **FATTY ACID DESATURASES**

STEATITIS

COMPLICATIONS

Generalized steatitis associated with selenium deficiency and normal vitamin E status in a foal. Foreman JH, et al. **J Am Vet Med Assoc** 1986 Jul 1;189(1):83–6

STEATORRHEA see **CELIAC DISEASE**

STEEL see under **ALLOYS**

STEIN-LEVENTHAL SYNDROME see **POLYCYSTIC OVARY SYNDROME**

STELLATE GANGLION

Cervicothoracic (stellate) ganglion block in conscious horses. Skarda RT, et al. **Am J Vet Res** 1986 Jan;47(1):21–6

Intercostal neuralgia following stellate ganglion block. An infrequent complication. McCallum MI, et al. **Anaesthesia** 1986 Aug;41(8):850–2

Relief of acute pain in herpes zoster ophthalmicus by stellate ganglion block. Harding SP, et al. **Br Med J [Clin Res]** 1986 May 31;292(6533):1428

Contralateral Horner's syndrome following stellate ganglion block [letter] Allen G, et al. **Can Anaesth Soc J** 1986 Jan; 33(1):112–3

Stellate ganglion block in neurogenic pulmonary edema [letter] Bell SD, et al. **South Med J** 1986 Feb;79(2):262

ANALYSIS

Pharmacological characterization of dopamine receptors in the stellate ganglia with selective DA1 and DA2 receptor agonists and antagonists. Sabouni MH, et al. **J Pharmacol Exp Ther** 1986 Jan;236(1):65–70

CYTOLOGY

Cellular physiology of the turtle visual cortex: distinctive properties of pyramidal and stellate neurons. Connors BW, et al. **J Neurosci** 1986 Jan;6(1):164–77

DRUG EFFECTS

Seizure following stellate ganglion block after negative aspiration and test dose [letter] Ellis JS Jr, et al. **Anesthesiology** 1986 Apr;64(4):533–4

Treatment of post-herpetic neuralgia. A review of 77 consecutive cases. Milligan NS, et al. **Pain** 1985 Dec; 23(4):381–6

PHYSIOLOGY

Evidence for substance P-immunoreactive spinal afferents that mediate bronchoconstriction. Saria A, et al. **Acta Physiol Scand** 1985 Nov;125(3):407–14

Inhibition of quinidine-propranolol elevation of the ventricular fibrillation threshold by bilateral

stellectomy+vagotomy in the anesthetized dog. Lawson JW. **Arch Int Pharmacodyn Ther** 1986 Mar;280(1):74–83
Activity of in situ stellate ganglion neurons of dogs recorded extracellularly. Armour JA. **Can J Physiol Pharmacol** 1986 Feb;64(2):101–11
[Intensification of vagal inhibition of the work of the heart by a sympathetic nerve] Lychkova AE. **Fiziol Zh SSSR** 1985 Oct;71(10):1217–21 (Eng. Abstr.) (Rus)
[Mechanism of inhibition of cardiac activity by the stellate ganglion in the cat and guinea pig] Smirnov VM. **Fiziol Zh SSSR** 1986 Jan;72(1):104–8 (Eng. Abstr.) (Rus)
[Inhibition of cardiac activity by the stellate ganglion] Smirnov VM. **Kardiologiia** 1985 Aug;25(8):69–72 (Eng. Abstr.) (Rus)

STEM CELL ASSAY see COLONY-FORMING UNITS ASSAY

STEM CELLS

CLASSIFICATION

Differential expression of HLA-DR antigens in subsets of human CFU-GM. Griffin JD, et al. **Blood** 1985 Oct; 66(4):788–95
Origin of autoreactive T helper cells. I. Characterization of Thy-1+, Lyt-, L3T4- precursors in the spleen of normal mice. de Talance A, et al. **J Immunol** 1986 Aug 15; 137(4):1101–8
Phenotype, frequency, and EBV responsiveness of human marrow B and pre-B cells. Hibi T, et al. **J Immunol** 1986 May 1;136(9):3211–8
Progenitor cells and classification of myelodysplastic and myeloproliferative disorders [letter] Brown G, et al. **Lancet** 1985 Oct 19;2(8460):885

CYTOLOGY

The regulatory role of interleukin 2-responsive T lymphocytes on early and mature erythroid progenitor proliferation. Estrov Z, et al. **Blood** 1986 Jun;67(6):1607–10
Migratory and postmigratory mouse primordial germ cells behave differently in culture. Donovan PJ, et al. **Cell** 1986 Mar 28;44(6):831–8
Embryo-derived stem cells: a tool for elucidating the developmental genetics of the mouse. Bradley A, et al. **Curr Top Dev Biol** 1986;20:357–71 (50 ref.)
A satellite cell mitogen from crushed adult muscle. Bischoff R. **Dev Biol** 1986 May;115(1):140–7
Proliferation of muscle satellite cells on intact myofibers in culture. Bischoff R. **Dev Biol** 1986 May;115(1):129–39
Precursor cells of oligodendrocytes in rat primary cultures. Espinosa de los Monteros A, et al. **Dev Biol** 1985 Apr; 108(2):474–80
Cell division cycle of cultured neural precursor cells from Drosophila. Furst A, et al. **Dev Biol** 1985 Dec; 112(2):467–76
Growth regulation of the interstitial cell population in hydra. III. Interstitial cell density does not control stem cell proliferation. Heimfeld S, et al. **Dev Biol** 1986 Jul; 116(1):51–8
Transforming growth factor type beta is a specific inhibitor of 3T3 T mesenchymal stem cell differentiation. Sparks RL, et al. **Exp Cell Res** 1986 Aug;165(2):345–52
Marrow transfusions increase pluripotential stem cells in normal hosts. Cronkite EP, et al. **Exp Hematol** 1985 Sep; 13(8):802–5
Clinical relevance of two in vitro tests based on CFU-GM assay in the study of granulopoietic failure. Carlo Stella C, et al. **Haematologica (Pavia)** 1985 Nov-Dec;70(6):487–94
"In vitro" growth acceleration of CFU-GM proliferation: a new criterion of measure of proliferation features of granulocytic progenitor cells. Ghizzi A, et al. **Haematologica (Pavia)** 1985 Nov-Dec;70(6):482–6
Separation of CFU-GM from normal human bone marrow mononuclear cells on density gradients of polyvinyl pyrrolidone coated silica gel (Percoll). Kothari VC, et al. **Haematologica (Pavia)** 1985 Nov-Dec;70(6):477–81
Cell cycles in cell hierarchies. Potten CS. **Int J Radiat Biol** 1986 Feb;49(2):257–78 (59 ref.)
Characterization of reticulofibroblastoid colonies (CFU-RF) derived from bone marrow and long-term marrow culture monolayers. Lim B, et al. **J Cell Physiol** 1986 Apr; 127(1):45–54
Identification of novel, stage-specific polypeptides associated with the differentiation of mammary epithelial stem cells to alveolar-like cells in culture. Paterson FC, et al. **J Cell Physiol** 1985 Sep;124(3):525–38
Microtubule-disrupting drugs increase the frequency of conversion of a rat mammary epithelial stem cell line to elongated, myoepithelial-like cells in culture. Paterson FC, et al. **J Cell Physiol** 1985 Oct;125(1):135–50
Defining bone marrow progenitor cell for human Langerhans cells and the lack of specific markers [letter] Aqel NM. **J Pathol** 1986 May;149(1):67–8
Response of satellite cells to focal skeletal muscle injury. Schultz E, et al. **Muscle Nerve** 1985 Mar-Apr;8(3):217–22
Molecular control of granulocyte and macrophage production. Metcalf D. **Prog Clin Biol Res** 1985;191:323–37 (32 ref.)
Characterization of T-lymphocyte colony-forming cells in the mouse. II. Colony-forming cells are not confined to a selected age group of post-thymic T cells. Röpke C. **Scand J Immunol** 1985 Sep;22(3):307–13
[Optimization of the exposure of normal and transformed cell populations to phase-specific agents] Dibrov BF, et al. **Biofizika** 1985 Nov-Dec;30(6):1050–63 (Eng. Abstr.) (Rus)
[Osteogenic precursor cells in repair osteogenesis] Mikhailova LN, et al. **Biull Eksp Biol Med** 1986 Jun; 101(6):755–7 (Eng. Abstr.) (Rus)
[Proliferative and differentiation potentials of skeletogenic bone marrow colony-forming cells] Fridenshtein AIa, et al. **Tsitologiia** 1986 Mar;28(3):341–9 (Eng. Abstr.) (Rus)
[Characteristics of the organization of cell proliferation in plants in relation to the problem of stem cells] Ivanov VB. **Tsitologiia** 1986 Mar;28(3):295–302 (24 ref.) (Eng. Abstr.) (Rus)
[Intermediate filaments as key to the diagnosis of the cellular origin (letter)] Fernández Alonso GI, et al. **Medicina (B Aires)** 1984;44(3):333–4 (Spa)

DRUG EFFECTS

Modulation of in vitro eosinophil progenitors by hydrocortisone: role of accessory cells and interleukins. Slovick FT, et al. **Blood** 1985 Nov;66(5):1072–9
Effect of human plasmalipoproteins on erythropoietic progenitor cells in serum-free cultures. Konwalinka G, et al. **Blut** 1986 Mar;52(3):191–5
Parathyroid hormone stimulates proliferation of chondroprogenitor cells in vitro. Lewinson D, et al. **Calcif Tissue Int** 1986 Mar;38(3):155–62
The effect of disulfiram on cyclophosphamide-mediated myeloid toxicity. Gamelli RL, et al. **Cancer Chemother Pharmacol** 1986;16(2):153–5
Altered hematopoietic stem cell development in male B6C3F1 mice following exposure to 1,3-butadiene. Leiderman LJ, et al. **Exp Mol Pathol** 1986 Feb;44(1):50–6
Stimulatory effects of androgens on normal children's bone marrow in culture: effects on BFU-E, CFU-E, and uroporphyrinogen I synthase activity. Claustres M, et al. **Horm Res** 1986;23(2):91–8
Influence of cis-diamminedichloroplatinum (II) on mouse duodenal crypt stem cell survival after multifraction X ray treatment. Dewit L, et al. **Int J Radiat Oncol Biol Phys** 1985 Oct;11(10):1809–16
[Beta-interferon modulates the growth of bone marrow progenitors of natural killer cells] Migliorati G, et al. **G Ital Chemioter** 1985 Jan-Apr;32(1):127–30 (Eng. Abstr.) (Ita)

ENZYMOLOGY

An increase in prolyl-4-hydroxylase activity occurs during the retinoic acid-induced differentiation of mouse teratocarcinoma stem cell lines F9 and P19. Roguska MA, et al. **J Biol Chem** 1985 Nov 15;260(26):13893–6

IMMUNOLOGY

Search for class II major histocompatibility complex molecular involvement in the response of Lyt-2+ cytotoxic T lymphocyte precursors to alloantigen. Romani L, et al. **Eur J Immunol** 1985 Nov;15(11):1125–30
Low frequency of NK-cell progenitors and development of suppressor cells in IL-2-dependent cultures of spleen cells from low NK-reactive SJL/J mice. Migliorati G, et al. **Int J Cancer** 1986 Jul 15;38(1):117–25
Organ-associated macrophage precursor activity: isolation of candidacidal and tumoricidal effectors from the spleens of cyclophosphamide-treated mice. Baccarini M, et al. **J Immunol** 1986 Feb 1;136(3):837–43
The requirements for antigen multivalency in class I antigen recognition and triggering of primed precursor cytolytic T lymphocytes. Herrmann SH, et al. **J Immunol** 1986 Apr 15;136(8):2816–25
Enhanced transcription in a pre-B-like cell line transformed with cloned antibody genes after antigen-specific stimulation. Ochi A, et al. **J Immunol** 1986 Apr 1; 136(7):2705–8
Monoclonal antibodies to interferon-gamma inhibit interleukin 2-dependent induction of growth and maturation in lectin/antigen-reactive cytolytic T lymphocyte precursors. Simon MM, et al. **J Immunol** 1986 Apr 15;136(8):2755–62
Increased numbers of spleen colony forming units in B cell deficient CBA/N mice. Wiktor-Jedrzejczak W, et al. **Strahlenther Onkol** 1986 Jun;162(6):387–90
Functional characterization of prethymic T cells committed to alloreactivity. Biank M, et al. **Transplantation** 1986 Jun; 41(6):759–65

METABOLISM

Class-switching from mu to gamma 3 or gamma 2b production at pre-B cell stage. Sugiyama H, et al. **J Immunol** 1986 Apr 15;136(8):3092–7

PATHOLOGY

Biological mechanisms of stem cell carcinogenesis: a concept for multiple phases in the initiation of carcinogenesis and the role of differentiation control defects. Scott RE, et al. **Carcinog Compr Surv** 1985;9:67–80 (50 ref.)
Colony growth and granulopoietic effects of human bone marrow fibroblast colony-forming cells in vitro. Da WM, et al. **Chin Med J [Engl]** 1985 Jun;98(6):433–8
On neuronal and glial differentiation of a pluripotent stem cell line, RT4-AC: a branch determination. Sueoka N, et al. **Curr Top Dev Biol** 1986;20:211–21 (25 ref.)
Erythroid progenitors in Rauscher leukemia virus variant-A-induced erythropoietic dysplasia in mice. Ferdinand PM, et al. **Exp Hematol** 1985 Sep;13(8):719–21
Erythroleukemia with myelofibrosis—pediatric case report and discussion of possible stem cell origin of the disorder. Mayumi M, et al. **Nippon Ketsueki Gakkai Zasshi** 1985 Sep; 48(6):1414–22
[An autopsy case of acute myelodysplasia with myelofibrosis—cytogenetically proved evidence of a clonal disorder with origin in a multipotent stem cell] Yumori Y, et al. **Rinsho Ketsueki** 1986 Apr;27(4):519–25 (Eng. Abstr.) (Jpn)
[T-lymphocyte precursor count in the thymus and the development of lymphomas in AKR/J-strain mice] Kochergina NI, et al. **Eksp Onkol** 1986;8(2):57–60 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Analysis of cell communication mechanisms involved in the induction of the stem cell of the mesodermal bands in embryos of Patella vulgata (Mollusca). van den Biggelaar JA, et al. **Acta Histochem [Suppl] (Jena)** 1986;32:29–33
Studies on human prothymocytes by means of an agar T-cell colony assay. Mossalayi MD, et al. **Exp Hematol** 1986 Jun; 14(5):351–7
Thymus regeneration by bone marrow cell suspensions differing in the potential to form early and late spleen colonies. Mulder AH, et al. **Exp Hematol** 1985 Sep; 13(8):768–75
Hemopoietic precursors in human bone marrow transplantation. Messner HA. **Int J Cell Cloning** 1986;4 Suppl 1:11–8
Normal human serum-stimulating activity on granulocyte-macrophage colony formation in vitro. Tilly H, et al. **Int J Cell Cloning** 1986 Jan;4(1):63–8
Human embryonic hemopoiesis. Kinetics of progenitors and precursors underlying the yolk sac——liver transition. Migliaccio G, et al. **J Clin Invest** 1986 Jul;78(1):51–60
Interactions of stem cells and T lymphocytes contribute to the physiological control of cell proliferation in rapidly renewing tissues. Barr RD, et al. **Med Hypotheses** 1986 Apr;19(4):387–96 (71 ref.)
Granulocyte-macrophage progenitor cells in the liver of human embryo and fetus. Kitazawa M, et al. **Nippon Ketsueki Gakkai Zasshi** 1985 Sep;48(6):1341–9
[Effect of adherent cells and conditioned medium of long-term canine bone marrow culture on granulocyte/macrophage progenitor cells] Du DL, et al. **Shih Yen Sheng Wu Hsueh Pao** 1985 Jun;18(2):203–13 (Eng. Abstr.) (Chi)

RADIATION EFFECTS

Relationship between spermatogonial stem cell survival and testis function after cytotoxic therapy. Meistrich ML. **Br J Cancer [Suppl]** 1986;7:89–101
The radiosensitivity of microcolony- and macrocolony-forming cells in mouse tail epidermis. Chen FD, et al. **Br J Radiol** 1986 Apr;59(700):389–95
Nonrandom distribution of mouse spermatogonial stem cells surviving fission neutron irradiation. van Beek ME, et al. **Radiat Res** 1986 Jul;107(1):11–23
The induction of reciprocal translocations in rhesus monkey stem-cell spermatogonia: effects of low doses and low dose rates. van Buul PP, et al. **Radiat Res** 1986 Jan;105(1):1–7
[Determination of parameters of the survival curve of the stem cells of the intestinal crypts by LD50 and the regenerated crypt count. Determination of the RBE of p(65) + Be neutrons] Beauduin M, et al. **C R Soc Biol (Paris)** 1985;179(4):487–92 (Eng. Abstr.) (Fre)

ULTRASTRUCTURE

Kinetic and cytochemical identification of osteoclast precursors and their differentiation into multinucleated osteoclasts. Baron R, et al. **Am J Pathol** 1986 Feb; 122(2):363–78
Ultrastructural analysis of the in vitro differentiation of female rat preadipocytes. Gregoire F, et al. **Biol Cell** 1986; 56(2):127–36
A glial progenitor cell in the cerebral cortex of the adult rat. Reyners H, et al. **J Neurocytol** 1986 Feb;15(1):53–61
An ultrastructural study of adipocyte precursors from epididymal fat pads of adult rats in culture. Cinti S, et al. **J Submicrosc Cytol** 1985 Oct;17(4):631–6

STEM CELLS, HEMATOPOIETIC see HEMATOPOIETIC STEM CELLS

STEM CELLS, NEOPLASTIC see TUMOR STEM CELLS

STEPHANURUS DENTATUS INFECTION see under NEMATODE INFECTIONS

STEREOGNOSIS

Components of attention during infants' manipulative exploration. Ruff HA. **Child Dev** 1986 Feb;57(1):105–14

Tactual habituation and discrimination of form in infancy: a comparison with vision. Streri A, et al. **Child Dev** 1986 Feb;57(1):100–4

Peripheral nerve injuries. Sensation. Parry CB. **J Bone Joint Surg [Br]** 1986 Jan;68(1):15–9

Temporal integration and vibrotactile backward masking. Evans PM, et al. **J Exp Psychol [Hum Percept]** 1986 May; 12(2):160–8

Perception of texture by vision and touch: multidimensionality and intersensory integration. Lederman SJ, et al. **J Exp Psychol [Hum Percept]** 1986 May;12(2):169–80

Sex differences in categorization of tactile stimuli. Cohen H, et al. **Percept Mot Skills** 1986 Aug;63(1):83–6

Reliability and validity of the Ohwaki–Kohs Tactile Block Design Test for the Blind. Brand HJ, et al. **Psychol Rep** 1986 Apr;58(2):375–80

PHYSIOLOGY

Oral form recognition with and without palatal coverage. Oliver RG. **Br J Disord Commun** 1985 Aug;20(2):201–3

Oral stereognosis and diadokokinetic tests in children and young adults. Oliver RG, et al. **Br J Disord Commun** 1985 Dec;20(3):271–80

Cerebral and sex differences in the categorization of haptic information. Cohen H, et al. **Cortex** 1986 Jun;22(2):253–9

Astereognosis and amyotrophy of the hand with neurinoma of the second cervical nerve root. Lesoin F, et al. **J Neurol** 1986 Feb;233(1):57–8

[Disputable problems of astereognosis] Perzanowska A. **Neurol Neurochir Pol** 1985 Sep–Oct;19(5):420–6 (30 ref.) **(Pol)**

STEREOISOMERS

Theoretical studies of a chiral stationary phase used in column chromatography. Lipkowitz K, et al. **Anal Chem** 1986 Jul;58(8):1611–7

Importance of drug enantiomers in clinical pharmacology. Williams K, et al. **Drugs** 1985 Oct;30(4):333–54 (158 ref.)

Absolute configuration at C-24 of 5 beta-ranol, a principal bile alcohol of the bullfrog. Kihira K, et al. **J Lipid Res** 1986 Apr;27(4):393–7

Separation of drug stereoisomers by the formation of beta-cyclodextrin inclusion complexes. Armstrong DW, et al. **Science** 1986 May 30;232(4754):1132–5

Stereoheterotopism and prochirality. Hirschmann H. **Trans NY Acad Sci** 1983;41:61–9

[False stereochemical tracks in pharmacotherapy] Ariëns EJ, et al. **Dtsch Med Wochenschr** 1985 Nov 8;110(45):1741–9 (77 ref.) **(Ger)**

[Problems posed by stereochemistry in therapeutics] Ariëns EJ. **Arch Farmacol Toxicol** 1986 Apr;12(1):3–27 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Ovarian function during oestrogen–progestin replacement treatment in pre-menopausal women. Ylöstalo P, et al. **Maturitas** 1986 Mar;8(1):19–27

STEREOTAXIC TECHNICS

see related

BRAIN MAPPING

Long-term results of stereotactic radiosurgery to the pituitary gland in Cushing's disease. Degerblad M, et al. **Acta Endocrinol (Copenh)** 1986 Jul;112(3):310–4

Scalp marking of intracranial lesions using computed tomography (CT) images. A technical note. Patil AA, et al. **Acta Neurochir (Wien)** 1986;80(1–2):62–4

Target localization on standard axial images in computed tomography (CT) stereotaxis for functional neurosurgery—a technical note. Patil AA. **Acta Neurochir (Wien)** 1986;82(1–?):64–7

Treatment of Cushing's disease in childhood and adolescence by stereotactic pituitary irradiation. Thorén M, et al. **Acta Paediatr Scand** 1986 May;75(3):388–95

Stereotaxic biopsy of the brain under MR imaging control. Thomas DG, et al. **AJNR** 1986 Jan–Feb;7(1):161–3

CT body stereotaxis: an aid for CT-guided biopsies. Onik G, et al. **AJR** 1986 Jan;146(1):163–8

Abstracts. 23rd annual meeting of the Japanese Society for Stereotactic and Functional Neurosurgery. Tokyo, October 1984. **Appl Neurophysiol** 1984;47(4–6):239–54

Proceedings of the ninth meeting of the World Society for Stereotactic and Functional Neurosurgery. Toronto, Ont., July 4–7, 1985. **Appl Neurophysiol** 1985;48(1–6):1–498

An applicability study on a CT-guided stereotactic technique for functional neurosurgery. Asakura T, et al. **Appl Neurophysiol** 1985;48(1–6):73–6

Cell kinetics of neuroepithelial tumors in serial stereotactic biopsies. A new combined approach. Broggi G, et al. **Appl Neurophysiol** 1985;48(1–6):472–6

Use of intraoperative stimulation in the selection of target sites for CT-guided stereotactic biopsies. Bullard DE, et al. **Appl Neurophysiol** 1985;48(1–6):454–9

Stereotactic pallidotomy in extrapyramidal disorders. Burzaco J. **Appl Neurophysiol** 1985;48(1–6):283–7

Diagnosis and treatment of brainstem mass lesions by CT-guided stereotactic surgery. Coffey RJ, et al. **Appl Neurophysiol** 1985;48(1–6):467–71

Cryptic vascular malformations diagnosed by stereotactic biopsies—a preliminary study. Daumas-Duport C, et al. **Appl Neurophysiol** 1985;48(1–6):440–3

Treatment of low malignancy brain neoplasms by means of stereotactic interstitial radiotherapy. Frank F, et al. **Appl Neurophysiol** 1985;48(1–6):121–6

Further experience in stereotactic pontine tractotomy. Hitchcock E, et al. **Appl Neurophysiol** 1985;48(1–6):242–6

Accuracy of CT scans in identifying tumor tissue. Hitchon PW, et al. **Appl Neurophysiol** 1985;48(1–6):463–6

Changes in cerebral blood flow after stereotactic thalamotomy. Kullberg G, et al. **Appl Neurophysiol** 1985; 48(1–6):362–6

CT-guided ablative stereotaxis without ventriculography. Laitinen LV. **Appl Neurophysiol** 1985;48(1–6):18–21

Stereotactic intracavitary irradiation of cystic neoplasms of the brain. Lunsford LD, et al. **Appl Neurophysiol** 1985; 48(1–6):146–50

Stereotactic interstitial brachytherapy—current concepts and concerns in twenty patients. Lunsford LD, et al. **Appl Neurophysiol** 1985;48(1–6):117–20

Present role of stereotactic thalamotomy for parkinsonism. Retrospective analysis of operative results and thalamic lesions in computed tomograms. Miyamoto T, et al. **Appl Neurophysiol** 1985;48(1–6):294–304

Correlation between stereo-EEG, CT-scan and stereotactic biopsy data in epileptic patients with low-grade gliomas. Munari C, et al. **Appl Neurophysiol** 1985;48(1–6):448–53

Idiopathic oromandibular dyskinesia treated by Vo complex microstereotactic thalamotomy. Narabayashi H, et al. **Appl Neurophysiol** 1985;48(1–6):309–14

CT-guided stereotactic aspiration of intracerebral hematoma—result of a hematoma-lysis method using urokinase. Niizuma H, et al. **Appl Neurophysiol** 1985; 48(1–6):427–30

The place of stereotactic depth electrode recording in epilepsy. Olivier A, et al. **Appl Neurophysiol** 1985; 48(1–6):395–9

CT-guided stereotactic surgery for evacuation of hypertensive intracerebral hematoma. Tanikawa T, et al. **Appl Neurophysiol** 1985;48(1–6):431–9

Physiological monitoring of stereotactic biopsy. Tasker RR. **Appl Neurophysiol** 1985;48(1–6):444–7

Missing pieces in the epilepsy puzzle. Ward AA Jr. **Appl Neurophysiol** 1985;48(1–6):384–94

Cell kinetics of gliomas by serial stereotactic biopsy. Franzini A, et al. **Basic Appl Histochem** 1986;30(2):203–7

Hypothalamic circuits and circadian rhythms: effects of knife cuts vary with their placement within the suprachiasmatic area. Brown MH, et al. **Brain Res Bull** 1986 May; 16(5):705–11

CT-guided stereotactic placement of ventricular cannula. Grode ML, et al. **Bull Clin Neurosci** 1984;49:8–12

The stereotactic radiosurgery unit in Sheffield. Bradshaw JD. **Clin Radiol** 1986 May;37(3):277–9

A three-dimensional graphics system for the stereotactic placement of heavy-ion beams. Kim GM. **Comput Methods Programs Biomed** 1986 Aug;23(1):73–81

CT-guided stereotactic biopsy of intracranial lesions: correlation between core biopsy and aspiration smear. Fratkin JD, et al. **Diagn Cytopathol** 1986 Apr–Jun; 2(2):126–32

A new CT-aided stereotactic neurosurgery technique. Lirov Y, et al. **IEEE Trans Biomed Eng** 1986 Jul;33(7):723–4

Biopsy of intracranial lesions with computed tomography stereotactic guidance. Rappaport ZH, et al. **Isr J Med Sci** 1986 Feb;22(2):113–6

CT directed biopsy of intracranial neoplasms: experience with Brown-Roberts-Wells stereotaxic frame. Reid SA, et al. **J Fla Med Assoc** 1984 Nov;71(11):851–5

Stereotaxic biopsy of intrinsic lesions of the brain stem. Hood TW, et al. **J Neurosurg** 1986 Aug;65(2):172–6

Stereotaxic surgery with a magnetic resonance- and computerized tomography-compatible system. Lunsford LD, et al. **J Neurosurg** 1986 Jun;64(6):872–8

Diagnostic and therapeutic technology assessment. Stereotactic cingulotomy. **JAMA** 1985 Nov 15; 254(19):2817–8

Results of computer-assisted stereotactic laser resection of deep-seated intracranial lesions. Kelly PJ, et al. **Mayo Clin Proc** 1986 Jan;61(1):20–7

Role of stereotaxic biopsy in the management of patients with intracranial lesions. Bullard DE. **Neurol Clin** 1985 Nov; 3(4):817–30 (21 ref.)

Stereotaxic interstitial irradiation of malignant brain tumors. Gutin PH, et al. **Neurol Clin** 1985 Nov;3(4):883–93 (24 ref.)

Findings confirming brainstem generators of auditory evoked potentials by stereotactic lesions in the rabbit. Lumenta CB, et al. **Neurol Res** 1986 Jun;8(2):114–6

Computer-assisted stereotaxis: new approaches for the management of intracranial intra-axial tumors. Kelly PJ. **Neurology** 1986 Apr;36(4):535–41

A method of stereotaxic localization adopted for conventional and digital radiography. Bergström M, et al. **Neuroradiology** 1986;28(2):100–4

Orbitocraniobasal approach for anterior communicating artery aneurysms. Fujitsu K, et al. **Neurosurgery** 1986 Mar; 18(3):367–9

Computed tomography-based stereotactic third ventriculostomy: technical note. Kelly PJ, et al. **Neurosurgery** 1986 Jun;18(6):791–4

Stereotactic surgery [letter] Lunsford LD. **Neurosurgery** 1986 May;18(5):678

Computed tomogram-guided stereotactic brain biopsy in the pediatric patient. Nauta HJ, et al. **Pediatr Neurosci** 1985–86; 12(1):63–7

[Indications for suppressive pituitary interstitial stereogammatherapy in diabetic retinopathy] Constantinides G, et al. **Bull Soc Ophtalmol Fr** 1985 Feb; 85(2):195–8 (Eng. Abstr.) **(Fre)**

[Current significance of stereotactic exploration in the diagnosis and therapy of space-occupying cerebral processes] Moringlane JR, et al. **Nervenarzt** 1985 Nov; 56(11):612–9 (Eng. Abstr.) **(Ger)**

[Intraoperative ultrasonography through a burr hole: clinical trial of ultrasound-guided stereotactic surgery] Kanazawa I, et al. **No Shinkei Geka** 1986 Mar;14(3 Suppl):295–300 (Eng. Abstr.) **(Jpn)**

[Stereotactic evacuation of hypertensive thalamic hematomas using plasminogen activator (urokinase)] Komai N, et al. **No Shinkei Geka** 1986 Mar;14(3 Suppl):249–56 (Eng. Abstr.) **(Jpn)**

[CT-stereotaxy] Komai N. **No Shinkei Geka** 1986 Feb; 14(2):123–33 (76 ref.) **(Jpn)**

[CT-guided stereotaxic evacuation of cerebellar hematoma—lateral approach] Niizuma H, et al. **No Shinkei Geka** 1985 Jul;13(7):767–71 (Eng. Abstr.) **(Jpn)**

[CT-guided stereotaxic implantation of a deep brain electrode for the stimulation of the internal capsule—a case report] Niizuma H, et al. **No Shinkei Geka** 1986 Jan; 14(1):103–6 (Eng. Abstr.) **(Jpn)**

[Stereotactic selective thalamotomy for tremor] Ohye C. **No Shinkei Geka** 1985 Jul;13(7):707–16 **(Jpn)**

[CT-controlled stereotactic operation of hypertensive intracerebral hemorrhage—1. Theoretical principles and the operative procedures] Shichijo F, et al. **No Shinkei Geka** 1985 Aug;13(8):845–52 (Eng. Abstr.) **(Jpn)**

[A new treatment of hypertensive intracerebral hematoma—a follow-up study on 46 patients with hematoma treated by CT guided stereotactic method] Shiwaku T, et al. **No Shinkei Geka** 1986 May;14(6):751–8 (Eng. Abstr.) **(Jpn)**

[Electric activity of neurons of nuclear structures from the human midbrain during stereotaxic surgical interventions] Raeva SN. **Dokl Akad Nauk SSSR** 1985;285(6):1500–3 **(Rus)**

[Method of stereotaxic surgery on the medulla oblongata of different species of laboratory animals] Tel' LZ, et al. **Patol Fiziol Eksp Ter** 1985 Sep–Oct;(5):74–6 **(Rus)**

[Therapeutic deep stimulation of the CNS in adults with infantile cerebral palsy] Galanda M, et al. **Cesk Neurol Neurochir** 1985 Nov;48(6):360–6 (Eng. Abstr.) **(Slo)**

HISTORY

Woroschiloff's locating device for interventions on the spinal cord and its influence on spinal stereotaxis. Nádvorník P. **Appl Neurophysiol** 1985;48(1–6):247–51

INSTRUMENTATION

X-ray and magnetic resonance stereotaxy for functional and nonfunctional neurosurgery. Birg W, et al. **Appl Neurophysiol** 1985;48(1–6):22–9

A true 'advanced imaging assisted' skull-mounted stereotactic system. Carol M. **Appl Neurophysiol** 1985; 48(1–6):69–72

Stereotactic radiosurgery utilizing a linear accelerator. Colombo F, et al. **Appl Neurophysiol** 1985;48(1–6):133–45

Digital image processing to handle neuroanatomical information and neurophysiological data. Giorgi C, et al. **Appl Neurophysiol** 1985;48(1–6):30–3

Use of the Brown-Roberts-Wells stereotactic frame for functional neurosurgery. Hadley MN, et al. **Appl Neurophysiol** 1985;48(1–6):61–8

Real-time three-dimensional graphic reconstructions using Brown-Roberts-Wells frame coordinates in a microcomputer environment. Heilbrun MP, et al. **Appl Neurophysiol** 1985;48(1–6):7–10

A new apparatus for CT-guided stereotactic surgery. Iseki H, et al. **Appl Neurophysiol** 1985;48(1–6):50–60

Experience in the first 100 patients undergoing computerized tomography-guided stereotactic procedures utilizing the Brown-Roberts-Wells guidance system. Levin AB. **Appl Neurophysiol** 1985;48(1–6):45–9

Computer tomography-controlled stereotactic surgery. Matsumoto K, et al. **Appl Neurophysiol** 1985;48(1–6):39–44

A new stereotactic instrument for use with computerized tomography and magnetic resonance imaging. Montagno E de A, et al. **Appl Neurophysiol** 1985;48(1–6):34–8

Stereotactic system and apparatus for use with magnetic resonance imaging, computerized tomography, and digital subtraction imaging. Olivier A, et al. **Appl Neurophysiol** 1985;48(1–6):94–6

Intracranial tumor biopsy—CT-guided stereotactic surgery. Poza M, et al. **Appl Neurophysiol** 1985;48(1–6):482–7

New CT-guided stereotactic apparatus and clinical experience with intracerebral hematomas. Tanizaki Y, et al. **Appl Neurophysiol** 1985;48(1–6):11–7

A stereotaxic device for the closed exchange of intramedullary rods, using image-intensified X-rays, in children with osteogenesis imperfecta. Frost RB, et al.

Eng Med 1986 Jul;15(3):131–5
CT body stereotaxic instrument for percutaneous biopsy and other interventive procedures: phantom studies. Onik G, et al. Invest Radiol 1985 Aug;20(5):525–30
Painless head holder for unitary recordings from alert rats. Daunicht WJ. J Neurosci Methods 1985 Sep;14(4):301–6
Double-headed stereotaxic carrier apparatus for insertion of depth electrodes. Technical note. Olivier A. J Neurosurg 1986 Aug;65(2):258–9
Rigid head fixation for intraoperative computed tomography. Engle DJ, et al. Neurosurgery 1986 Aug;19(2):258–62
Methodology and clinical experience with computed tomography and a computer-resident stereotactic atlas. Kall BA, et al. Neurosurgery 1985 Sep;17(3):400–7
[Initial experiences with the "Mammotest" stereotactic diagnosis system in the diagnosis of roentgenologically unclear changes in the breast] de Waal JC, et al. Geburtshilfe Frauenheilkd 1985 Sep;45(9):592–4 (Eng. Abstr.) (Ger)
[A device for stereotaxic fixation of the skull of the alert rat during electrophysiologic and microiontophoretic studies of individual neurons] Kiiatkin EA, et al. Fiziol Zh SSSR 1986 May;72(5):691–4 (Rus)

NURSING

[Nursing care in the treatment of Parkinson's disease by encephalon-stereotactic surgery] Tan M. Chung Hua Hu Li Tsa Chih 1986 Jun;21(3):106–7 (Chi)

TRENDS

Survey of CT-guided stereotactic surgery. Gildenberg PL, et al. Appl Neurophysiol 1985;48(1–6):477–80
Present and future developments of stereotactic technology. Kelly PJ, et al. Appl Neurophysiol 1985;48(1–6):1–6
Applications and methodology for contemporary stereotactic surgery. Kelly PJ. Neurol Res 1986 Mar;8(1):2–12

STEREOTYPED BEHAVIOR

Motivational conflicts in Rett syndrome. Zappella M. Am J Med Genet 1986;24 Suppl 1:143–51
Use of differential reinforcement of other behavior during dyadic instruction to reduce stereotyped behavior of autistic students. Haring TG, et al. Am J Ment Defic 1986 May;90(6):694–702
Use of a treatment package in the management of a profoundly mentally retarded girl's pica and self-stimulation. Paniagua FA, et al. Am J Ment Defic 1986 Mar;90(5):550–7
Normal repetitive and abnormal stereotyped behavior of nonretarded infants and young mentally retarded children. Schwartz SS, et al. Am J Ment Defic 1986 May;90(6):625–30
Interactions between response stereotypy and memory strategies on the eight-arm radial maze. Dale RH, et al. Behav Brain Res 1986 Jan;19(1):17–25
Clinical, symptomatological, psychological and metabolic problems in Rett syndrome. Proceedings of the 24th International Symposium of the Ludwig Boltzmann Institute for Research on Infantile Brain Damages. Vienna, September 26–27, 1984. A special issue dedicated to Professor Andreas Rett. Brain Dev 1985;7(3):269–374
Linkage analysis of the Rett syndrome using human chromosomal specific probes. Anvret M, et al. Brain Dev 1985;7(3):361–4
A case of the Rett syndrome. Brunel R, et al. Brain Dev 1985;7(3):313–5
Chromatographic profiles at E-280 nm for urinary precipitates in morbus Rett. Foss I, et al. Brain Dev 1985;7(3):345–8
A "new" chromosome marker common to the Rett syndrome and infantile autism? The frequency of fragile sites at X p22 in 81 children with infantile autism, childhood psychosis and the Rett syndrome. Gillberg C, et al. Brain Dev 1985;7(3):365–7
Rett syndrome: clinical presentation and laboratory investigations in 12 further French patients. Goutières F, et al. Brain Dev 1985;7(3):305–6
Rett syndrome: criteria for inclusion and exclusion. Hagberg B, et al. Brain Dev 1985;7(3):372–3
Rett syndrome: Swedish approach to analysis of prevalence and cause. Hagberg B. Brain Dev 1985;7(3):276–80
The clinical pattern of the Rett syndrome. Hanefeld F. Brain Dev 1985;7(3):320–5
Neuropathological studies in a child showing some features of the Rett syndrome. Harding BN, et al. Brain Dev 1985;7(3):342–4
On the genetics of the Rett syndrome. Hillig U. Brain Dev 1985;7(3):368–71
Rett syndrome: a case report from an audiovisual program. Holm VA. Brain Dev 1985;7(3):297–9
A contribution regarding the Rett syndrome. Külz J, et al. Brain Dev 1985;7(3):316–9
Rett syndrome—a nosological entity. Leiber B. Brain Dev 1985;7(3):275–6
Abnormal breathing in the Rett syndrome. Lugaresi E, et al. Brain Dev 1985;7(3):329–33
Forensic problems in Rett syndrome. Missliwetz J, et al. Brain Dev 1985;7(3):326–8
Note on Rett syndrome symposium. Moser HW. Brain Dev 1985;7(3):374
Rett syndrome—an early catecholamine and indolamine deficient disorder? Nomura Y, et al. Brain Dev 1985;7(3):334–41
Behavioral observations concerning differential diagnosis between the Rett syndrome and autism. Olsson B, et al. Brain Dev 1985;7(3):281–9
Rett syndrome: initial experience with an emerging clinical entity. Percy AK, et al. Brain Dev 1985;7(3):300–4
Rett syndrome: report of eight cases. Rolando S. Brain Dev 1985;7(3):290–6
Rett syndrome: a significant proportion of girls affected by autistic behavior. Zappella M. Brain Dev 1985;7(3):307–12
Perseveration in aphasia. Albert ML, et al. Cortex 1986 Mar;22(1):103–15
Behavioral, physiological and functional aspects of stereotyped behavior: a review and a re-interpretation. Dantzer R. J Anim Sci 1986 Jun;62(6):1776–86 (53 ref.)
Comparison of two short overcorrection procedures on the stereotypic behavior of autistic children. Maag JW, et al. J Autism Dev Disord 1986 Mar;16(1):83–7
Response covariation on self-stimulatory behaviors during sensory extinction procedures. Maag JW, et al. J Autism Dev Disord 1986 Jun;16(2):119–32
The occurrence of autistic children's self-stimulation as a function of familiar versus unfamiliar stimulus conditions. Runco MA, et al. J Autism Dev Disord 1986 Mar;16(1):31–44
Use of similar sensory stimuli in the community-based treatment of self-stimulatory behavior in an adult disabled by autism. Smith MD. J Behav Ther Exp Psychiatry 1986 Jun;17(2):121–5
The basis of superstitious behavior: chance contingency, stimulus substitution, or appetitive behavior? Timberlake W, et al. J Exp Anal Behav 1985 Nov;44(3):279–99
A review of treatment research for self-injurious and stereotyped responding. Gorman-Smith D, et al. J Ment Defic Res 1985 Dec;29 (Pt 4):295–308
Stereotyped responding by schizophrenic outpatients: cross-cultural confirmation of perseverative switching on a two-choice task. Lyon N, et al. J Psychiatr Res 1986;20(2):137–50
Functional taxonomy of stereotypic and self-injurious behavior. Wieseler NA, et al. Ment Retard 1985 Oct;23(5):230–4
Spatial and temporal response patterns on the eight-arm radial maze. Dale RH. Physiol Behav 1986;36(4):787–90
[The Rett syndrome] Peters AC. Tijdschr Kindergeneeskd 1985 Dec;53(6):232–4 (Eng. Abstr.) (Dut)
[Current neuropediatric aspects: the extraordinary "saga" of Rett's syndrome] Deonna T, et al. Rev Med Suisse Romande 1985 Nov;105(11):1043–4 (Fre)
[Prepuce sucking and tongue play in housed fattening bulls] Sambraus HH, et al. DTW 1985 Nov 26;92(11–12):465–8 (Eng. Abstr.) (Ger)
[Rett syndrome: a progressive neurological syndrome in girls] Spiess Y, et al. Schweiz Med Wochenschr 1986 Apr 12;116(15):458–63 (Eng. Abstr.) (Ger)
[Features of the formation of stereotypical reactions during elaboration of visual differentiations in the laboratory rat] Shtemberg AS. Zh Vysh Nerv Deiat 1986 May-Jun;36(3):572–5 (Rus)

DRUG EFFECTS

Effect of cyclic nucleotides on apomorphine stereotypy and chlorpromazine catalepsy in mice. Makowska B, et al. Acta Med Pol 1985;26(3–4):83–90
Tissue level related stereotyped behaviour after intravenous amphetamine in rats. Dahl CB, et al. Acta Pharmacol Toxicol (Copenh) 1986 Mar;58(3):169–74
The effect of repeated administration of (-) deprenyl on the phenylethylamine-induced stereotypy in rats. Timár J, et al. Arch Int Pharmacodyn Ther 1986 Jan;279(1):50–60
Effects of nitrogen and helium at pressure on drug-induced stereotypy and locomotion in mice. Philp RB, et al. Aviat Space Environ Med 1986 Aug;57(8):769–76
Application of acetylcholinesterase to the substantia nigra induces stereotypy in rats. Weston J, et al. Behav Brain Res 1985 Oct-Nov;18(1):71–4
Structural requirements for cocaine congeners to interact with dopamine and serotonin uptake sites in mouse brain and to induce stereotyped behavior. Reith ME, et al. Biochem Pharmacol 1986 Apr 1;35(7):1123–9
Oscillations in apomorphine-induced stereotypies during 1 year of apomorphine administration. Csernansky JG, et al. Biol Psychiatry 1986 Apr;21(4):402–5
Contralateral circling behavior induced by intranigral microinjections of taurine and GABA in rats. Kamata K, et al. Brain Res 1985 Sep 23;343(2):275–82
Behavioral effects of D-amphetamine in developing cats. Levine MS, et al. Brain Res 1985 Sep;354(1):150–5
Phencyclidine-induced stereotyped behaviors after injection of ethylketocyclazocine, Mr 2266 and naltrexone in rats. Nabeshima T, et al. Brain Res 1986 Jul 23;378(2):234–9
Inhibition of dopaminergic agonist-induced gnawing behavior by neuroleptic drugs in mice. Yen-Koo HC, et al. Drug Chem Toxicol 1985;8(6):495–502
Effects of acute and chronic carbamazepine administration on apomorphine-elicited stereotypy. Barros HM, et al. Eur J Pharmacol 1986 Apr 29;123(3):345–9
The effect of antimuscarinic agents on haloperidol induced behavioral hypersensitivity. Carvey PM, et al. Eur J Pharmacol 1986 Jan 21;120(2):193–9
Stereotyped behavior correlates better than ataxia with phencyclidine-receptor interactions. Contreras PC, et al. Eur J Pharmacol 1986 Feb 11;121(1):9–18
Potentiation of phencyclidine-induced stereotyped behaviors in rats by thiorphan and bestatin. Hiramatsu M, et al. Eur J Pharmacol 1986 Jan 14;120(1):69–74
Effect of methylphenidate pretreatment on the behavioral and biochemical responses to amphetamine. Kolta MG, et al. Eur J Pharmacol 1985 Nov 5;117(2):279–82
The enantiomers of SK&F 83566, a new selective D-1 dopamine antagonist, stereospecifically block stereotyped behaviour induced by apomorphine and by the selective D-2 agonist RU 24213. Molloy AG, et al. Eur J Pharmacol 1985 Oct 8;116(1–2):183–6
Behavior performed at onset of drug action and apomorphine stereotypy. Szechtman H. Eur J Pharmacol 1986 Feb 11;121(1):49–56
The effects of chronic bromocriptine treatment on behaviour and dopamine receptor binding in the rat striatum. Traub M, et al. Eur J Pharmacol 1985 Nov 26;118(1–2):147–54
Behavioral effects of morphine and phencyclidine in rats: the influence of repeated testing before and after single treatment. Van Ree JM, et al. Eur J Pharmacol 1985 Jul 31;113(3):353–62
Influence of phenoxybenzamine on the stereotyped behaviour induced by fencamfamine in rats: evidence for a qualitative alteration. Bernardi MM, et al. Gen Pharmacol 1985;16(4):403–5
Prolactin induces yawning and the stretch-yawning syndrome in young adult male rats. Laping NJ, et al. Horm Behav 1986 Mar;20(1):49–59
Behavioral effects of substance P in rats. Barbeau A, et al. Int J Neurol 1980;14(2–4):239–52
Potential neuroleptic agents. 4. Chemistry, behavioral pharmacology, and inhibition of [3H]spiperone binding of 3,5-disubstituted N-[(1-ethyl-2-pyrrolidinyl)methyl]-6-methoxysalicylamides. de Paulis T, et al. J Med Chem 1986 Jan;29(1):61–9
Neuroleptic activity of chiral trans-hexahydro-gamma-carbolines. Sarges R, et al. J Med Chem 1986 Jan;29(1):8–19
Amphetamine-induced circling behaviour in MPTP-lesioned mice. Fung YK, et al. J Pharm Pharmacol 1985 Dec;37(12):922–3
Locomotion and stereotyped behaviours induced by 1-amino-3,5-dimethyladamantane (D 145) and apomorphine in the rat: a comparison. Ljungberg T. J Pharm Pharmacol 1986 Jul;38(7):520–5
Studies on the mechanism of interaction between methamphetamine and quinine in rats. Suzuki T, et al. J Pharmacobiodyn 1986 Mar;9(3):234–8
Methamphetamine-induced behavioral alterations following repeated administration of methamphetamine. Yamanaka Y, et al. Jpn J Pharmacol 1986 Jun;41(2):147–54
Chronic treatment with bromocriptine induces behavioral supersensitivity in rats. Hassan MN, et al. Life Sci 1986 Aug 11;39(6):513–8
The effect of thioridazine on haloperidol induced behavioral hypersensitivity. Klawans HL, et al. Life Sci 1986 May 12;38(19):1707–14
Selective dopamine D2 receptor reduction enhances a D1-mediated oral dyskinesia in rats. Rosengarten H, et al. Life Sci 1986 Jul 7;39(1):29–35
Simultaneous catalepsy and apomorphine-induced stereotypic behavior in mice. Yurek DM, et al. Life Sci 1985 Nov 4;37(18):1665–73
Low-dose haloperidol for stereotypic self-injurious behavior in the mentally retarded [letter] Mikkelsen EJ. N Engl J Med 1986 Aug 7;315(6):398–9
Agonistic and antagonistic effects of PCP-derivatives and sigma opioids in PCP behavioral and receptor assays. Contreras PC, et al. Natl Inst Drug Abuse Res Monogr Ser 1986;64:80–93
Central infusion of rats with agents selective for different types of opioid receptor. Cowan A, et al. Natl Inst Drug Abuse Res Monogr Ser 1986;67:132–7
Turning behavior induced by phencyclidine: relationship to antagonism of N-methyl-D-aspartate in the rat striatum. Johnson KM, et al. Natl Inst Drug Abuse Res Monogr Ser 1986;67:235–41
Psychopharmacology of phencyclidine. Marwah J, et al. Natl Inst Drug Abuse Res Monogr Ser 1986;64:127–33
Electroencephalographic (EEG), psychopharmacological, and receptor-binding profiles of 'phencyclinoids'. Mattia A, et al. Natl Inst Drug Abuse Res Monogr Ser 1986;64:94–111
Antistereotypic effects of dopamine D-1 and D-2 antagonists after intrastriatal injection in rats. Pharmacological and regional specificity. Arnt J. Naunyn Schmiedebergs Arch Pharmacol 1985 Aug;330(2):97–104
Bromocriptine holiday: effects on dopamine receptors and turning behavior in rats. Kenny AM, et al. Neurology 1986 Mar;36(3):400–4
Effects of serotonergic activity in nucleus accumbens septi on drug-induced circling. Jackson EA, et al. Neuropharmacology 1985 Aug;24(8):721–7
Fetal methylazoxymethanol acetate-induced lesions cause reductions in dopamine receptor-mediated catalepsy and stereotypy. Sanberg PR, et al. Neuropharmacology 1985 Nov;24(11):1057–62

Central nervous system effect of 2,5-hexane diol. Agrawal AK, et al. **Neurotoxicology** 1985 Fall;6(3):53–9
Chronic clorgyline and pargyline increase apomorphine-induced stereotypy in the rat. Campbell IC, et al. **Pharmacol Biochem Behav** 1985 Dec;23(6):921–5
Amphetamine-induced stereotypic responses in Roman high- and Roman low-avoidance rats. Driscoll P, et al. **Pharmacol Biochem Behav** 1986 May;24(5):1329–32
Alpha 2-adrenergic antagonists effect on amphetamine-induced behaviors. Luttinger D, et al. **Pharmacol Biochem Behav** 1986 Jul;25(1):155–60
The effects of cysteamine on dopamine-mediated behaviors: evidence for dopamine-somatostatin interactions in the striatum. Martin-Iverson MT, et al. **Pharmacol Biochem Behav** 1986 Jun;24(6):1707–14
Phencyclidine-induced stereotyped behaviors after injection of morphine and N-allylnormetazocine (SKF 10,047) in rats. Nabeshima T, et al. **Pharmacol Biochem Behav** 1986 Jun;24(6):1629–34
The effects of some atypical neuroleptics on apomorphine-induced behaviors as a measure of their relative potencies in blocking presynaptic versus postsynaptic dopamine receptors. Robertson A, et al. **Pharmacol Biochem Behav** 1986 Jun;24(6):1639–43
Intracerebral dialysis coupled to a novel activity box—a method to monitor dopamine release during behaviour. Sharp T, et al. **Pharmacol Biochem Behav** 1986 Jun; 24(6):1755–9
Central antiserotonin action of fluperlapine. Maj J, et al. **Pol J Pharmacol Pharm** 1985 Jul–Aug;37(4):517–24
Effects of some antidepressant drugs on apomorphine concentration in the central nervous system of rats and apomorphine-induced stereotypy. Rurak A, et al. **Pol J Pharmacol Pharm** 1985 Jul–Aug;37(4):509–15
Behavioral evidence for cholecystokinin modulation of dopamine in the mesolimbic pathway. Crawley JH. **Prog Clin Biol Res** 1985;192:131–8
Interferon as an endocoids candidate preventing and attenuating opiate addiction. Dafny N. **Prog Clin Biol Res** 198-,192:269–76
Behavioral effects of cholecystokinin and its related peptides in rats. Itoh S, et al. **Prog Clin Biol Res** 1985;192:139–45
Effects of cholecystokinin and vasoactive intestinal peptide on locomotion and rearing in neofrontal decorticated rats. Katsuura G, et al. **Prog Clin Biol Res** 1985;192:147–50
Effects of unilateral microinjections of sulpiride into the medial prefrontal cortex on circling behavior of rats. Morency MA, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1985; 9(5–6):735–8
Evidence that thioridazine enhances amphetamine-induced stereotypy via anticholinergic activity. Robertson A, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1986; 10(1):33–40
Head-twitch response induced by ergometrine in mice: behavioural evidence for direct stimulation of central 5-hydroxytryptamine receptors by ergometrine. Balsara JJ, et al. **Psychopharmacology (Berlin)** 1986;88(3):275–8
Para-chlorophenylalanine prevents feeding induced by the serotonin agonist 8-hydroxy-2-(di-n-propylamino) tetralin (8-OH-DPAT). Dourish CT, et al. **Psychopharmacology (Berlin)** 1986;89(4):467–71
The modulation of head-twitch behaviour by drugs acting on beta-adrenoceptors: evidence for the involvement of both beta 1- and beta 2-adrenoceptors. Handley SL, et al. **Psychopharmacology (Berlin)** 1986;88(3):320–4
Inhibition of head twitch response to quipazine in rats by chronic amitriptyline but not fluvoxamine or citalopram. Pawlowski L, et al. **Psychopharmacology (Berlin)** 1986; 88(3):279–84
Effects of the putative D-1 antagonist SCH 23390 on stereotyped behaviour induced by the D-2 agonist RU24213. Pugh MT, et al. **Psychopharmacology (Berlin)** 1985;87(3):308–12
Involvement of noradrenaline in potentiation of the head-twitch response by GABA-related drugs. Singh L, et al. **Psychopharmacology (Berlin)** 1986;88(3):315–9
[The effect of various new GABAergics on motor and oral stereotypes with apomorphine in the rat] Vamvakidès A, et al. **J Pharmacol** 1985 Oct-Dec;16(4):403–11 (Eng. Abstr.) (Fre)
[Behavioral and pharmacological studies of methamphetamine-induced stereotypy of mice by the open field method] Nakamura K, et al. **Yakugaku Zasshi** 1985 Aug;105(8):775–83 (Eng. Abstr.) (Jpn)
[Synthesis and pharmacological studies of derivatives of 5- and 7-(O-hydroxyphenyl)-2,3-dihydro-1,4-diazepins] Kostka K, et al. **Acta Pol Pharm** 1985;42(5):442–7 (Eng. Abstr.) (Pol)
[Effect of epiphysectomy on the temporal dynamics of apomorphine stereotypy in rats] Arushanian EB, et al. **Biull Eksp Biol Med** 1986 Jun;101(6):704–7 (Eng. Abstr.) (Rus)
[Effect of arachidonic acid on stereotyped behavior in the rabbit induced by a dopamine receptor agonist] Kurchikov AL, et al. **Zh Vyssh Nerv Deiat** 1985 Jul–Aug;35(4):783–5 (Rus)
[Dissociation between movement disorders and EEG shifts in amphetamine-induced stereotypy in the cat] Tolpyshev BA. **Zh Vyssh Nerv Deiat** 1986 May–Jun;36(3):545–53 (Eng. Abstr.) (Rus)

PHYSIOLOGY

A genetic analysis of stereotypy in the mouse: dopaminergic plasticity following chronic stress. Cabib S, et al. **Behav Neural Biol** 1985 Sep;44(2):239–48
Blink rate and stereotyped behavior: evidence for dopamine involvement? MacLean WE Jr, et al. **Biol Psychiatry** 1985 Dec;20(12):1321–5
Rhythmical stereotypies (leg-swinging) associated with reductions in heart-rate in normal school children. Soussignan R, et al. **Biol Psychol** 1985 Nov;21(3):161–7
Neurochemical aspects of the Rett syndrome. Riederer P, et al. **Brain Dev** 1985;7(3):351–60
Tetrahydrobiopterin metabolism in the Rett disease. Sahota A, et al. **Brain Dev** 1985;7(3):249–50
Involvement of the midbrain reticular formation in self-injurious behavior, stereotyped behavior, and analgesia induced by intranigral microinjection of muscimol. Baumeister AA, et al. **Brain Res** 1986 Mar 26; 369(1-2):231–42
Current-distance relations of axons mediating circling elicited by midbrain stimulation. Yeomans J, et al. **Brain Res** 1986 Apr 30;372(1):95–106
Endorphins implicated in stereotypies of tethered sows. Cronin GM, et al. **Experientia** 1986 Feb 15;42(2):198–9
Endogenous opioids are involved in abnormal stereotyped behaviours of tethered sows. Cronin GM, et al. **Neuropeptides** 1985 Dec;6(6):527–30
[Stereotyped behavior and the nigro-strio-nigral system] Arushanian EB. **Zh Vyssh Nerv Deiat** 1985 Sep–Oct; 35(5):819–32 (50 ref.) (Rus)

STEREOTYPING

Geriatric myths reconsidered. Retsinas J. **Am Fam Physician** 1986 Mar;33(3):187–91
On being called "mentally retarded": do developmental and professional perspectives limit labeling effects? Yeates KO, et al. **Am J Ment Defic** 1985 Nov;90(3):349–52
Sex, sex-role stereotyping and agoraphobia. Chambless DL, et al. **Behav Res Ther** 1986;24(2):231–5
A developmental study of children's stereotyping of facially deformed adults. Rumsey N, et al. **Br J Psychol** 1986 May; 77 (Pt 2):269–74
Prematurity stereotyping: effects on mother-infant interaction. Stern M, et al. **Child Dev** 1986 Apr;57(2):308–15
Chinese population stereotypes: color associations. Courtney AJ. **Hum Factors** 1986 Feb;28(1):97–9
Perceptions of deviant stereotypes by alcoholism, mental health, and school personnel in New Zealand and the United States. Rivers PC, et al. **Int J Addict** 1986 Jan; 21(1):123–9
Age stereotyping: are we oversimplifying the phenomenon? Braithwaite V, et al. **Int J Aging Hum Dev** 1985–86; 22(4):315–25
Characterizing adolescents, middle-aged, and elderly adults: putting the elderly into perspective. Luszcz MA. **Int J Aging Hum Dev** 1985–86;22(2):105–21
Old age stereotypes: reconciling contradictions. Braithwaite VA. **J Gerontol** 1986 May;41(3):353–60
The gomer phenomenon. Leiderman DB, et al. **J Health Soc Behav** 1985 Sep;26(3):222–32
Conception of male and female homosexual stereotypes among university undergraduates. Page S, et al. **J Homosex** 1985 Fall;12(1):109–18
Psychological effects of hypertension labelling during a community survey. A two-year follow-up. Ambrosio GB, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S171–3
Students' stereotypes of patients as barriers to clinical decision-making. Johnson SM, et al. **J Med Educ** 1986 Sep; 61(9 Pt 1):727–35
Female patients and male nursing students. Turnipseed LA. **J Obstet Gynecol Neonatal Nurs** 1986 Jul–Aug;15(4):345–8
Sex differences in interaction style as a product of perceived sex differences in competence. Wood W, et al. **J Pers Soc Psychol** 1986 Feb;50(2):341–7
Person memory: the role of traits, group stereotypes, and specific behaviors in the cognitive representation of persons. Wyer RS Jr, et al. **J Pers Soc Psychol** 1986 Apr; 50(4):661–75
Perceived somatotype and stereotypes of physique among Nigerian schoolchildren. Salokun SO, et al. **J Psychol** 1985 Nov;119(6):587–94
Are we stereotyping parents? A postscript to Blacher. Allen DA, et al. **Ment Retard** 1985 Aug;23(4):200–2
Myths of masculinity. Impact upon men's health. Forrester DA. **Nurs Clin North Am** 1986 Mar;21(1):15–23 (45 ref.)
Stereotyping. Physical and occupational therapists characterize themselves and each other. Parker HJ, et al. **Phys Ther** 1986 May;66(5):668–72
Teaching medical students the effects of values and stereotyping on the doctor/patient relationship. Kurtz ME, et al. **Soc Sci Med** 1985;21(9):1043–7
Women in medicine: stamping out stereotypes [editorial] **W Va Med J** 1986 Jun;82(6):183–4

STERIGMATOCYSTIN see under **XANTHENES**

STERILITY see **INFERTILITY**

STERILITY, FEMALE see **INFERTILITY, FEMALE**

STERILITY, MALE see **INFERTILITY, MALE**

STERILIZATION

Skin disinfection before intravenous cannulation. Intraluminal contamination after disinfection with 70% isopropyl alcohol. Grabe N, et al. **Acta Anaesthesiol Scand** 1985 Nov; 29(8):764–6
Physical properties of autoclaved bone. Torsion test of rabbit diaphyseal bone. Köhler P, et al. **Acta Orthop Scand** 1986 Apr;57(2):141–5
Multidosage medication vials: a study of sterility, use patterns, and cost-effectiveness. de Silva MI, et al. **Am J Infect Control** 1986 Jun;14(3):135–8
Upgrading sterilization in the orthodontic practice. Mulick JF. **Am J Orthod** 1986 Apr;89(4):346–51
Sterilization and disinfection in the orthodontic office: a practical approach. Payne GS. **Am J Orthod Dentofacial Orthop** 1986 Sep;90(3):250–2
On sterilisation of ampoules of local anaesthetic solution [letter] Crawford JS, et al. **Anaesthesia** 1985 Dec; 40(12):1232
Distortion by sterilisation [letter] Marshall M. **Anaesthesia** 1986 Jul;41(7):777
Local anesthetics administered topically: sterile or not? [letter] Halevy JD. **Anesthesiology** 1986 Apr;64(4):535
Flash sterilization. Evaluating biological indicators. Tornello JD. **AORN J** 1986 Jun;43(6):1289–90, 1292, 1294
Bioluminescence for USP sterility testing of pharmaceutical suspension products. Bussey DM, et al. **Appl Environ Microbiol** 1986 Feb;51(2):349–55
Pasteurization as an efficient method to inactivate blood borne viruses in factor VIII concentrates. Hilfenhaus J, et al. **Arzneimittelforschung** 1986 Apr;36(4):621–5
Fibrin glue safety: inactivation of potential viral contaminants by pasteurization of the human plasma components. Hilfenhaus J, et al. **Arzneimittelforschung** 1985; 35(11):1617–9
Microwave sterilisation [letter] Crouch DF. **Br Dent J** 1985 Nov 23;159(10):318
Inadvertent buckling of caesium-137 needles—a cautionary tale [letter] Mackenzie LA. **Br J Radiol** 1986 Mar; 59(699):302
Hydrogen peroxide disinfection [letter] Whalen R, et al. **CLAO J** 1985 Oct-Dec;11(4):377–9
Genotoxic properties of haloacetonitriles: drinking water by-products of chlorine disinfection. Daniel FB, et al. **Fundam Appl Toxicol** 1986 Apr;6(3):447–53
Nosocomial bacteraemia: estimating the potential for prevention by closed sterile urinary drainage. Burke JP, et al. **Infect Control** 1986 Feb;7(2 Suppl):96–9
Zero infection rate: an achievable irreducible minimum in clean surgery? Kaiser AB. **Infect Control** 1986 Feb;7(2 Suppl):107–9
Medical gamma processing facility in Riyadh, Saudi Arabia, and radiation applications. Grecz N, et al. **Int J Appl Radiat Isot** 1985 Sep;36(9):741–2
Susceptibility of Acanthamoeba to soft contact lens disinfection systems. Ludwig IH, et al. **Invest Ophthalmol Vis Sci** 1986 Apr;27(4):626–8
Towards microbiological quality assurance in radiation sterilization processing: the limiting case model applied to a microbial population having a distribution of radiation responses. Dwyer J, et al. **J Appl Bacteriol** 1985 Aug; 59(2):189–94
Prediction of the keeping quality of pasteurized milk by the detection of cytochrome c oxidase. Kroll RG, et al. **J Appl Bacteriol** 1986 Jan;60(1):21–7
Quantification of ethylene chlorohydrin and ethylene glycol as potential reaction products in gas-sterilized medical-grade plastics. De Rudder D, et al. **J Clin Hosp Pharm** 1986 Apr;11(2):125–30
The disinfection of silicone-foam dressings. Evans BK, et al. **J Clin Hosp Pharm** 1985 Sep;10(3):289–95
Disinfection of gastrointestinal fibrescopes: an evaluation of the Pauldrach Endocleaner, and various chemical agents. Felmingham D, et al. **J Hosp Infect** 1985 Dec;6(4):379–88
Are povidone-iodine compresses helpful in skin preparation for hip replacement surgery? Haynes J, et al. **J Hosp Infect** 1986 Jan;7(1):96–8
Handwashing and hand disinfection. Reybrouck G. **J Hosp Infect** 1986 Jul;8(1):5–23 (100 ref.)
Decontamination of fibreoptic endoscopes. Ridgway GL. **J Hosp Infect** 1985 Dec;6(4):363–8 (19 ref.)
Sterile ophthalmic ointment and suspension manufacturing. Abshire R, et al. **J Parenter Sci Technol** 1986 May-Jun; 40(3):97–9
Sterility retesting. Avallone HL. **J Parenter Sci Technol** 1986 Mar-Apr;40(2):56–7
Post-cycle sporicidal effect of ethylene oxide—a new concept. Juhlin I, et al. **J Parenter Sci Technol** 1985 Nov-Dec;39(6):223–30
Microwave sterilization of vials. Lohmann S, et al. **J Parenter Sci Technol** 1986 Jan-Feb;40(1):25–30
Can baby feeding equipment be sterilised in the domestic microwave oven? Biela AM, et al. **J R Soc Health** 1985 Aug;105(4):131–2, 138
Sterilisation of hepatitis and HTLV-III viruses by exposure to tri(n-butyl)phosphate and sodium cholate. Prince AM, et al. **Lancet** 1986 Mar 29;1(8483):706–10
Sterilisation of babies' bottles [letter] Collins CM. **NZ Med J** 1985 Aug 28;98(785):716
Safe disinfection of contact lenses after contamination with HTLV-III. Vogt MW, et al. **Ophthalmology** 1986 Jun;

93(6):771–4
Policy on pacemaker reuse [letter] Johnson SG. **PACE** 1986 Jan;9(1 Pt 1):141–3
Effect of Pseudomonas contamination or antibiotic decontamination of the GI tract on acute radiation lethality after neutron or gamma irradiation. Geraci JP, et al. **Radiat Res** 1985 Dec;104(3):395–405
Evaluation of stability of oxytetracycline–HCl to sterilization levels of gamma radiation. Tawfik ZS. **Zentralbl Mikrobiol** 1985;140(8):641–7
[A report on the contamination and disinfection of hospitals] **Chung Hua Yu Fang I Hsueh Tsa Chih** 1984 Nov; 18(6):341–2 (Eng. Abstr.) (Chi)
[Formaldehyde as a decontaminating and sterilizing agent. Possibilities and limitation of its usefulness] Chalabala M, et al. **Cesk Farm** 1985 Nov;34(9):396–400 (Cze)
[Fiberoptic endoscopies. Infection and disinfection] Pelle H, et al. **Ugeskr Laeger** 1985 Oct 7;147(41):3228–31 (Eng. Abstr.) (Dan)
[Costs of sterilization of resuscitation equipment] Trouiller P. **Agressologie** 1985 Feb;26(2):187–9 (Fre)
[The effect of sterilization by ethylene oxide on residual amounts of chlorohydrin and ethylene glycol in medical devices made of PVC, previously irradiated by cobalt 60] de Seille JM, et al. **J Pharm Belg** 1985 Jul–Aug; 40(4):213–21 (Eng. Abstr.) (Fre)
[Determination of the content of residual ethylene oxide gas in PMMA intraocular lenses] Hey H, et al. **Fortschr Ophthalmol** 1985;82(6):535–6 (Eng. Abstr.) (Ger)
[Local metronidazole and PVP–iodine prevention before abdominal and vaginal hysterectomy] Lellé RJ, et al. **Geburtshilfe Frauenheilkd** 1986 Feb;46(2):102–4 (Eng. Abstr.) (Ger)
[Current problems of nonspecific neonatal infections. II. Clinical hygiene and antibiotic therapy] Menzel K, et al. **Padiatr Grenzgeb** 1986;25(1):23–31 (Eng. Abstr.) (Ger)
[Decomposition of common prepared peracetic acid solutions and the problem of intermediate dilutions and peracetic acid spirit SR] Mücke H. **Z Arztl Fortbild (Jena)** 1985; 79(21):945–6 (Ger)
[Short technical contribution: video technic and sterility in arthroscopy] Kohn D, et al. **Z Orthop** 1985 Nov–Dec; 123(6):897–8 (Eng. Abstr.) (Ger)
[Control and use of biological indicators in steam sterilization in the validation of the process and in growth cycles] Anastasio P, et al. **Boll Chim Farm** 1986 Feb;125(2):52–61 (Eng. Abstr.) (Ita)
[Theoretical qualitative aspects of biological indicators of sterilization] Bella G. **Boll Chim Farm** 1985 Jul; 124(7):306–20 (Eng. Abstr.) (Ita)

ADVERSE EFFECTS

Micropore filters for sterile filtration may leach toxic compounds affecting cell cultures (HL 60). Kristensen T, et al. **Exp Hematol** 1985 Dec;13(11):1188–91
Alternative methods for chlorination. Fiessinger F, et al. **Sci Total Environ** 1985 Dec;47:299–315
Fractionation of mutagenic compounds formed during chlorination of humic water. Kronberg L, et al. **Sci Total Environ** 1985 Dec;47:343–7
Chloropicrin formation during oxidative treatments in the preparation of drinking water. Merlet N, et al. **Sci Total Environ** 1985 Dec;47:223–8

INSTRUMENTATION

Comparative thermoresistance of two biological indicators for monitoring steam autoclaves. 3. Comparison performed at 121 degrees C in a hospital prevacuum steam sterilizer. Skaug N, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1986 Apr; 94(2):107–12
Effective design for a laboratory discard sterilizer. Line SJ. **J Hosp Infect** 1985 Sep;6(3):326–32
A simple device for disinfecting endoscopes. Wagenvoort JH, et al. **J Hosp Infect** 1986 Jan;7(1):78–81
Autoclave which sterilizes with highly purified steam for tissue–culture laboratories. Robbins JH, et al. **Lancet** 1971 Dec 4;2(7736):1236–7
Microwave sterilization of nitrous oxide nasal hoods contaminated with virus. Young SK, et al. **Oral Surg Oral Med Oral Pathol** 1985 Dec;60(6):581–5
The use and microbiological monitoring of specialised washing equipment for a central animal laboratory. Banerjee AK, et al. **Z Versuchstierkd** 1985;27(5):209–13
[Set of sterilization equipment for large therapeutic institutions] Frosin VN, et al. **Med Tekh** 1985 Jul–Aug; (4):26–34 (Eng. Abstr.) (Rus)
[Optimization of the process parameters of washing and disinfecting articles of patient care] Serafimov AS, et al. **Med Tekh** 1985 Jul–Aug;(4):13–7 (Eng. Abstr.) (Rus)
[Development of control systems for air sterilizers] Usov VS, et al. **Med Tekh** 1985 Jul–Aug;(4):22–5 (Eng. Abstr.) (Rus)
[Chamber for gas sterilization with paraform] Kernerman RP, et al. **Ortop Travmatol Protez** 1986 May;(5):38–9 (Rus)

METHODS

Wound and graft infection. Clinical aspects and prophylaxis. Holm J. **Acta Chir Scand [Suppl]** 1985;529:87–9
Microwave sterilization of hydrophilic contact lenses. Rohrer MD, et al. **Am J Ophthalmol** 1986 Jan 15;101(1):49–57
Discoloration of hydrogel contact lenses under standard care regimens. Wardlaw JC, et al. **Am J Optom Physiol Opt** 1986 Jun;63(6):403–8
Glass bead sterilization of orthodontic bands. Smith GE. **Am J Orthod Dentofacial Orthop** 1986 Sep;90(3):243–9
Comments on sterilization methods in China [letter] Potts M, et al. **Am J Public Health** 1985 Dec;75(12):1451
Precautions in handling tissues, fluids, and other contaminated materials from patients with documented or suspected Creutzfeldt–Jakob disease. Committee on Health Care Issues, American Neurological Association. **Ann Neurol** 1986 Jan;19(1):75–7
Toxicity of methods of implant material sterilization on corneal endothelium. Singh G, et al. **Ann Ophthalmol** 1985 Nov;17(11):727–30
Alcohol soaking damages applanation tonometer heads [letter] Key CB, et al. **Arch Ophthalmol** 1986 Jun;104(6):800
Aeration of ethylene oxide–sterilized polymers. Vink P, et al. **Biomaterials** 1986 May;7(3):225–30
Residual formaldehyde in steam–formaldehyde sterilized materials. Vink P. **Biomaterials** 1986 May;7(3):221–4
The boiling of instruments in general dental practice: a misnomer for sterilisation' [letter] Hipwell SC. **Br Dent J** 1985 Sep 21;159(6):170–1
Blood alcohol testing [letter] Hodgson BT. **Can Med Assoc J** 1986 Mar 1;134(5):472
Effect of gamma radiation versus ethylene oxide sterilization of dialyzers and blood lines on plasma levels of granulocyte elastase in hemodialyzed patients. Hörl WH, et al. **Clin Nephrol** 1985 Nov;24(5):232–6
Two treatments of eye bank donor corneas. Farge EJ, et al. **Cornea** 1985–86;4(4):256–62
Nosocomial infection: prevention by special clean–air, ultraviolet light, and barrier (isolator) techniques. Levenson SM, et al. **Curr Probl Surg** 1986 Jul;23(7):453–558 (224 ref.)
Efficacy of a simplified lower gastrointestinal flexible endoscope cleaning method. Matteucci DJ, et al. **Dis Colon Rectum** 1985 Sep;28(9):653–7
Disinfection of immersible fiber–endoscopes [letter] Boks AL, et al. **Endoscopy** 1986 May;18(3):116
Efficacy of routine fiberoptic endoscope cleaning and disinfection for killing Clostridium difficile. Hughes CE, et al. **Gastrointest Endosc** 1986 Feb;32(1):7–9
Inactivation of herpesvirus on CPR manikins utilizing a currently recommended disinfecting procedure. Cavagnolo RZ. **Infect Control** 1985 Nov;6(11):456–8
The disinfectant dilemma. Gurevich I. **Infect Control** 1985 Nov;6(11):459–60
Biological sterilization monitors: a four–year in–use evaluation of two systems. Kotilainen HR, et al. **Infect Control** 1985 Nov;6(11):451–5
Surgical scrub sponges as part of the traction apparatus: an alternative to pin site care to reduce pin track infections. Paley D, et al. **Injury** 1985 Nov;16(9):605–6
Sterilization of therapeutic immunoadsorbents by ionizing radiation. Sato H, et al. **Int J Artif Organs** 1986 Mar; 9(2):131–6
Microwave sterilization [letter] Hume WR, et al. **J Am Dent Assoc** 1986 Feb;112(2):160, 162
Inactivation of Bacillus spores by gaseous ozone. Ishizaki K, et al. **J Appl Bacteriol** 1986 Jan;60(1):67–72
A bacteriological investigation of the effectiveness of cleaning and disinfection procedures for toilet hygiene. Scott E, et al. **J Appl Bacteriol** 1985 Sep;59(3):291–7
Control of new intramammary infection at calving by prepartum teat dipping. Schultze WD. **J Dairy Sci** 1985 Aug;68(8):2094–9
Sterilization of infant formula: current practices and recommendations. Feder HM Jr, et al. **J Fam Pract** 1986 Mar;22(3):259–62
Self–disinfecting plastics for intravenous catheters and prosthetic inserts. Kingston D, et al. **J Hyg (Lond)** 1986 Apr;96(2):185–98
Ozone: pharmaceutical sterilant of the future? Gurley B. **J Parenter Sci Technol** 1985 Nov–Dec;39(6):256–61
A method for calculating thermal sterilization conditions based upon process parametrics. Nash RA. **J Parenter Sci Technol** 1985 Nov–Dec;39(6):251–6
Disinfection for HTLV–III: halogenated soaps [letter] Schuster M, et al. **JAMA** 1986 May 2;255(17):2290–1
Formaldehyde kinetics and bacteriology in dialyzers. Hakim RM, et al. **Kidney Int** 1985 Dec;28(6):936–43
Inactivation of bacteria and viruses in water: passage of germicidal ultraviolet light through Teflon. Wallbank AM, et al. **Lab Anim** 1985 Oct;19(4):273–4
Ethylene oxide sterilisation of dialysis equipment [letter] Hoenich NA, et al. **Lancet** 1986 Jun 28;1(8496):1498
Microwave processing of dehydrated culture media. Cowan ME, et al. **Med Lab Sci** 1985 Apr;42(2):156–60
Home cleaning–disinfection procedure for tracheal suction catheters. Shabino CL, et al. **Pediatr Infect Dis** 1986 Jan–Feb;5(1):54–8
Sterile water for tracheostomy home care: homemade versus commercial preparations. Kun S, et al. **Pediatr Pulmonol** 1986 Mar–Apr;2(2):108–9
Hydatid cyst: preoperative sterilization with mebendazole. Smego DR, et al. **South Med J** 1986 Jul;79(7):900–1
Pasteurization of antihemophilic factor and model virus inactivation studies. Ng PK, et al. **Thromb Res** 1985 Aug 15;39(4):439–47
Activity of non antiseptic soaps and ethanol for hand disinfection. Blech MF, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Dec; 181(6):496–512
Cleaning and disinfection of knives in the meat industry. Snijders JM, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Jun; 181(1–2):121–31
[Prophylactic disinfection of the housing for suckling sows under commercial swine–raising conditions] Karadzhov S, et al. **Vet Med Nauki** 1986;23(2):53–8 (Eng. Abstr.) (Bul)
[Current status and trends in sterilization and disinfection in China] Li ZG. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1986 Feb; 7(1):54–7 (0 ref.) (Chi)
[Sterilization by radiation] Zhang CW. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1986 Jun; 7(3):163–6 (Eng. Abstr.) (Chi)
[Report on the sterilizing effect of Chinese iodophore on public tableware] Zhou QS. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1985 Nov; 19(6):347–9 (Eng. Abstr.) (Chi)
[Disinfection of equipment in anesthesia and intensive care. Methods and limitations] Toubon P, et al. **Agressologie** 1985 Nov;26(10):829–31 (Eng. Abstr.) (Fre)
[Sterilization by ionizing radiation: determination of the intensity of treatment by experimentation with fractional doses] Darbord JC, et al. **Ann Pharm Fr** 1985;43(3):241–8 (Eng. Abstr.) (Fre)
[Decontamination of spices by ethylene oxide. The case of cloves (Eugenia caryophyllus Spreng.) and white pepper (Piper nigrum L.)] Muraz B, et al. **Ann Pharm Fr** 1985; 43(1):15–21 (Eng. Abstr.) (Fre)
[Drying and sterilization of metallic orthopedic materials] Gardès JC, et al. **Rev Chir Orthop** 1985;71 Suppl 2:55–8 (Fre)
[Results of the first 6 months' experience in the monitoring of the sterility of injectable solutions] Pappalardo G. **Rev Med Suisse Romande** 1986 Feb;106(2):163–71 (Fre)
[Sources of infection and infection paths in intensive care—studies on hand disinfection] Splith G, et al. **Anaesthesiol Reanim** 1986;11(2):73–8 (Eng. Abstr.) (Ger)
[Current status of PMMA intraocular lens sterilization] Burk R, et al. **Klin Monatsbl Augenheilkd** 1986 Jan;188(1):45–6 (Eng. Abstr.) (Ger)
[Bacteriologic studies on the preservation of bone implants] Junghanss U, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Sep;64(9):489–91 (Eng. Abstr.) (Ger)
[Dangers in the use of gas–sterilized materials] Scherer H, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Jan;65(1):37–8 (Eng. Abstr.) (Ger)
[Surface disinfection in the hospital] Zastrow K, et al. **Off Gesundheitswes** 1986 Jan;48(1):1–7 (Eng. Abstr.) (Ger)
[Oral rehydration by nasogastric tube using continuously sterilized water in infants with diarrhea in South Sudan (the Upper Nile area, Melut)] Rosegger H, et al. **Padiatr Padol** 1985;20(4):363–8 (Eng. Abstr.) (Ger)
[Experimental studies of the disinfection of ultrasound inhalation equipment (TUR Dresden) using hydrogen peroxide aerosols] Jentsch K, et al. **Z Gesamte Hyg** 1986 Jun;32(6):386–8 (Eng. Abstr.) (Ger)
[Principles of chemical disinfection in the dairy industry and a method for rapid determination of disinfection components] Kirst E. **Z Gesamte Hyg** 1986 May; 32(5):290–2 (Eng. Abstr.) (Ger)
[When in surgery of the locomotor system is preoperative shaving indicated?] Dietschi C, et al. **Z Orthop** 1985 Nov–Dec;123(6):895–6 (Eng. Abstr.) (Ger)
[The effect of hot air sterilization on the sharpness of bone knives] Häussler G. **Z Orthop** 1985 May–Jun;123(3):420–1 (Eng. Abstr.) (Ger)
[An expedient semi–automatic procedure for the preparation of large quantities of bioindicators especially for use in gas sterilization processes] Spicher G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Jun; 181(1–2):151–8 (Eng. Abstr.) (Ger)
[A new method for the sterilization with gasous chemical agents: propylene oxide] Lena P, et al. **Boll Chim Farm** 1985 Dec;124(12):495–506 (Ita)
[Practical aspects of preventing infections in the dental outpatient clinic. Notes on disinfection, sterilization and the methods of verifying sterilization] Zisa S, et al. **Minerva Stomatol** 1986 Jun;35(6):673–6 (Eng. Abstr.) (Ita)
[Sterilization of impression tonometers using a sterilization ring. Virological studies] Jedrzejewski D, et al. **Klin Oczna** 1985 Aug;87(8):315–7 (Eng. Abstr.) (Pol)
[Studies of the possibility of repeated use of capillary dialyzers. I. Renovation method and the evaluation of biological reactivity] Szpietowski T, et al. **Polim Med** 1985;15(3–4):135–47 (Eng. Abstr.) (Pol)
[Use of glutaraldehyde for sterilizing medical articles made of thermolabile materials (toxicological, analytical and physicomechanical research)] Liarskii PP, et al. **Gig Sanit** 1986 Feb;(2):13–6 (Eng. Abstr.) (Rus)
[Sterile catheters for newborn infants] Larionova EK, et al. **Med Tekh** 1986 Mar–Apr;(2):57–9 (Eng. Abstr.) (Rus)
[Radiation sterilization of intraocular lenses] Ovchinnikova AV, et al. **Med Tekh** 1985 Sep–Oct;(5):22–9 (Eng. Abstr.) (Rus)
[Criteria for evaluating and choosing a method of drying

medical objects after steam sterilization] Tsibikov VB, et al. **Med Tekh** 1986 May-Jun;(3):15-8 (Eng. Abstr.) (Rus)

[Improved schedules for steam sterilization of rubber medical products] Tsibikov VB, et al. **Med Tekh** 1985 Jul-Aug;(4):50-4 (Eng. Abstr.) (Rus)

[Automated presterilization treatment of surgical gloves] Vlatkin AS, et al. **Med Tekh** 1985 Jul-Aug;(4):55-6 (Rus)

[A method of long-term aseptic storage of metallic pins in outpatient facilities] Nisimov EB, et al. **Ortop Travmatol Protez** 1986 Feb;(2):46-7 (Rus)

[Methods of sterilizing and preserving tendon transplants] Savel'ev VI, et al. **Vestn Khir** 1986 Mar;136(3):85-8 (Eng. Abstr.) (Rus)

[Effect of ionizing radiation on sulfur-containing drugs] Trokhimchuk VV, et al. **Voen Med Zh** 1986 Jun;(6):50-1 (Rus)

[Current methods for aerosol disinfection and disinsectization of the troops] Zolochevskii MA. **Voen Med Zh** 1985 Nov;(11):58-61 (Rus)

[Effect of radiation sterilization on the immunobiological properties of the sorbed protective fraction of Bordetella pertussis] Bazhanova IG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Mar;(3):78-82 (Eng. Abstr.) (Rus)

[Project for the biotic decontamination of underwater emissions] Téllez Andrade A. **Rev Sanid Hig Publica (Madr)** 1984 Sep-Oct; 58(9-10):947-62 (Eng. Abstr.) (Spa)

[Strategies for the prevention of infection in patients in situations of defensive deficit. The system used at the Hematologic Clinical Unit of the Clinica Puerta de Hierro (U.A.M.)] Fernández MN, et al. **Sangre (Barc)** 1985; 30(4-B):515-28 (36 ref.) (Eng. Abstr.) (Spa)

STANDARDS

Reduction of infection after cardiac surgery: a clinical trial. Ferrazzi P, et al. **Ann Thorac Surg** 1986 Sep;42(3):321-5

Proposed recommended practices. Sterilization and disinfection. **AORN J** 1985 Nov;42(5):734-54

Preclotting of grafts [letter] Shelton D. **AORN J** 1986 May; 43(5):972, 974

AIDS and the electromyographer. Karam DB. **Arch Phys Med Rehabil** 1986 Jul;67(7):491

Evaluation of the sterility of thermodilution room-temperature injectate preparations. Burke KG, et al. **Crit Care Med** 1986 May;14(5):503-4

Useful and useless hygienic techniques in intensive care units. Daschner FD. **Intensive Care Med** 1985;11(6):280-3

Parenteral Drug Association response to FDA proposal to prohibit the use of any antimicrobial preservative in single-dose parenteral drug products. **J Parenter Sci Technol** 1985 Nov-Dec;39(6):231-2

Validation of a radiosterilization procedure for sterilization of a solid-state ophthalmic insert system. Garfinkle B, et al. **J Parenter Sci Technol** 1985 Nov-Dec;39(6):246-50

Factor VIII degradation products in heated concentrates [letter] Barrowcliffe TW, et al. **Lancet** 1986 Jun 21; 1(8495):1448-9

[Disinfection of flexible instruments for upper gastrointestinal endoscopy: proposal for standardization] **Rev Paul Med** 1985 May-Jun;103(3):139-41 (Por)

STERILIZATION, INVOLUNTARY see under **STERILIZATION, SEXUAL**

STERILIZATION REVERSAL

Microsurgical reversal of sterilization: a six-year study. Spivak MM, et al. **Am J Obstet Gynecol** 1986 Feb; 154(2):355-61

Reversibility after female sterilization. Boeckx W, et al. **Br J Obstet Gynaecol** 1986 Aug;93(8):839-42

Why does vasectomy reversal fail? Royle MG, et al. **Br J Urol** 1985 Dec;57(6):780-3

Peritoneal endometriosis in women requesting reversal of sterilization. Dodge ST, et al. **Fertil Steril** 1986 Jun; 45(6):774-7

Recanalisation of vas. Singh AB, et al. **J Indian Med Assoc** 1985 Sep;83(9):303-5

A successful microsurgical reanastomosis program in a community hospital. Galen DI, et al. **J Reprod Med** 1986 Jul;31(7):595-6

Tubotubal anastomosis for reversal of female sterilization in Thailand. Limpaphayom K. **J Reprod Med** 1986 Jul; 31(7):601-4

A 20-year experience with vasovasostomy. Lee HY. **J Urol** 1986 Aug;136(2):413-5

Vasectomy and its reversal. Belker AM. **Primary Care** 1985 Dec;12(4):703-17

Use of papaverine during vasovasostomy. Marmar JL, et al. **Urology** 1986 Jul;28(1):56-7

[Regret after sterilization in women] Vemer HM, et al. **Ned Tijdschr Geneeskd** 1986 Mar 1;130(9):410-3 (Eng. Abstr.) (Dut)

[Microsurgical desterilizations. Reflections on 65 cases] Dubuisson JB, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(2):223-9 (Eng. Abstr.) (Fre)

[Proximal tubal surgery] Racinet C. **Rev Fr Gynecol Obstet** 1985 Nov;80(11):831-5 (Eng. Abstr.) (Fre)

[Sterilization reversal with additional use of fibrin glue (Beriplast). Preliminary report] Baumann R, et al. **Geburtshilfe Frauenheilkd** 1986 Apr;46(4):234-6 (Eng. Abstr.) (Ger)

[New microsurgical methods for vasoepididymostomy] Drawz G, et al. **Urol Int** 1985;40(6):337-42 (Eng. Abstr.) (Ger)

[Uterine rupture following tubal implantation] Scharp H. **Zentralbl Gynakol** 1985;107(18):1139-40 (Eng. Abstr.) (Ger)

[Tubo-ovarian histofunctional study in the rabbit after bilateral isthmus tubal sterilization and subsequent reanastomosis] Baffoni A, et al. **Minerva Ginecol** 1986 Mar; 38(3):193-9 (Eng. Abstr.) (Ita)

[Microsurgical tubal anastomosis] Rosa G, et al. **Rev Chil Obstet Ginecol** 1985;50(1):67-71 (Eng. Abstr.) (Spa)

METHODS

Absorbable or nonabsorbable suture material for microsurgical tubal anastomosis. Randomized experimental study on rabbits. Scheidel PH, et al. **Gynecol Obstet Invest** 1986;21(2):96-102

Vasovasostomy: efficacy and cost containment by outpatient loupe magnification anastamosis. Klein FA, et al. **J Fam Pract** 1986 Feb;22(2):176-7

Experience with microsurgical reversal of female sterilization. Hill DL. **Milan Med** 1985 Nov;68(11):846-8, 827

[Tubal reanastomosis in the rabbit with different suture materials] Fernández del Castillo Ancira C, et al. **Ginecol Obstet Mex** 1985 Aug;53:213-6 (Eng. Abstr.) (Spa)

PSYCHOLOGY

Female sterilization: can the woman who will seek reversal be identified prospectively? Taylor PJ, et al. **Clin Reprod Fertil** 1986 Jun;4(3):207-15

Who has a vasectomy reversal? Clarke L, et al. **J Biosoc Sci** 1986 Jul;18(3):253-9

The characteristics, perceptions and personalities of women seeking a reversal of their tubal sterilization. Abraham S, et al. **Med J Aust** 1986 Jul 7;145(1):4-7

STERILIZATION, SEXUAL

see related
PEST CONTROL, BIOLOGICAL

SIDS might influence sterilisation plans [letter] Lurie S. **Aust Fam Physician** 1985 Oct;14(10):1001

Sterilization of the mentally disabled. Gilmore A. **Can Med Assoc J** 1986 Jun 15;134(12):1390-6

A report on voluntary sterilisation with special reference to minors and women who are intellectually disabled. Vick L, et al. **Clin Reprod Fertil** 1985 Jun;3(2):99-106

Recent changes in the sociodemographic profile of sterilization acceptors in Nepal. McIntosh EN, et al. **Int J Gynaecol Obstet** 1985 Oct;23(5):405-11

Court not bound to accept test of competent medical practice in deciding whether contraceptive counselling is negligent. Brahams D. **Lancet** 1986 Aug 16;2(8503):407-8

Pregnancies after sterilization. Brahams D. **Lancet** 1986 Mar 15;1(8481):627

The current status of actions for wrongful life and wrongful birth. Taub S. **Leg Med** 1985;:180-95

[Pregnancy and unwanted children after failure of sterilization and voluntary termination of pregnancy. I. Disconcerting French and foreign jurisprudence] Soutoul JH, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986; 15(3):273-9 (Eng. Abstr.) (Fre)

[Medico-legal risks of human voluntary sterilization] Le Quinquis P, et al. **Rev Fr Gynecol Obstet** 1986 Jan; 81(1):51-2 (Fre)

[Danger to pregnant women at the work site. Disagreement between employers and trade unions in the USA: sterilization or employment termination] Schäcke G. **Fortschr Med** 1985 Dec 19;103(47-48):52-3 (Ger)

HISTORY

The connections between eugenics, sterilization and mass murder in Germany from 1933 to 1945. Pfafflin F. **Med Law** 1986;5(1):1-10

METHODS

A non-operative procedure to induce male sterility. Dandapat MC, et al. **J Indian Med Assoc** 1985 Oct; 83(10):363-5

[New advances in contraception and sterilization] Iglesias Cortit L. **Med Clin (Barc)** 1985 Nov 2;85(14):588-95 (38 ref.) (Spa)

PSYCHOLOGY

Psychosocial and psychophysiologic aspects of reproduction: the need for improved study design. Ellsworth LR, et al. **Fertil Steril** 1985 Oct;44(4):449-52

Psychological aspects of female sterilisation--assessment of subsequent regret. Clarkson SE, et al. **NZ Med J** 1985 Sep 11;98(786):748-50

TRENDS

Sterilisation trends [editorial] Wellings K. **Br Med J [Clin Res]** 1986 Apr 19;292(6527):1029-30

UTILIZATION

Incentives and disincentives in the Indian family welfare program. Satia JK, et al. **Stud Fam Plann** 1986 May-Jun; 17(3):136-45

VETERINARY

Evaluation of a non-surgical technique for sterilising rams. Mercy AR, et al. **Aust Vet J** 1985 Oct;62(10):350-2

STERILIZATION, TUBAL

see related
STERILIZATION REVERSAL

Effects of cortisol suppression by etomidate on changes in circulating metabolites associated with pelvic surgery. Lacoumenta S, et al. **Acta Anaesthesiol Scand** 1986 Jan; 30(1):101-4

Microsurgical reversal of sterilization: a six-year study. Spivak MM, et al. **Am J Obstet Gynecol** 1986 Feb; 154(2):355-61

Sterilization failures [letter] Stock RJ. **Am J Obstet Gynecol** 1986 Apr;154(4):970

Postpartum tubal ligation requires more bupivacaine for spinal anesthesia than does cesarean section. Abouleish EI. **Anesth Analg** 1986 Aug;65(8):897-900

Reversibility after female sterilization. Boeckx W, et al. **Br J Obstet Gynaecol** 1986 Aug;93(8):839-42

Tubal sterilization in Manitoba. Cohen MM. **Can J Public Health** 1986 Mar-Apr;77(2):114-8

Hysterectomy performed within 1 year after tubal sterilization. Kendrick JS, et al. **Fertil Steril** 1985 Nov; 44(5):606-10

Married women's dissatisfaction with tubal sterilization and vasectomy at first-year follow-up: effects of perceived spousal dominance. Shain RN, et al. **Fertil Steril** 1986 Jun; 45(6):808-19

Poststerilization tubal pregnancy. Jha K, et al. **J Indian Med Assoc** 1985 Feb;83(2):70-1, 78

Laparoscopic sterilization in camps and institutional set-up. Mhatre PN, et al. **J Postgrad Med** 1985 Jan;31(1):20-3

A successful microsurgical reanastomosis program in a community hospital. Galen DI, et al. **J Reprod Med** 1986 Jul;31(7):595-6

Laparoscopic tubal sterilization combined with removal of an intrauterine contraceptive device. A report of 49 cases. Seiler JS. **J Reprod Med** 1986 May;31(5):339-42

Failed female sterilization and the law. Argent VP. **Med Sci Law** 1985 Apr;25(2):136-42

Luteal phase pregnancy and tubal sterilization. Grubb GS, et al. **Obstet Gynecol** 1985 Dec;66(6):784-8

Topical etidocaine during laparoscopic tubal occlusion for postoperative pain relief. McKenzie R, et al. **Obstet Gynecol** 1986 Mar;67(3):447-9

Sterilization approval and follow-through in Brazil. Lassner KJ, et al. **Stud Fam Plann** 1986 Jul-Aug;17(4):188-98

[The court on tubal sterilization in 1985] Soutoul JH, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1985;14(5):551-60 (Eng. Abstr.) (Fre)

[Voluntary female sterilization (comments following a judgment by the Superior Appellate Court 5/9/83)] Poirier PY, et al. **Rev Fr Gynecol Obstet** 1986 Feb;81(2):111-2 (Fre)

[Tubal pregnancy following tubal sterilization] Neeser E, et al. **Geburtshilfe Frauenheilkd** 1985 Oct;45(10):702-5 (Eng. Abstr.) (Ger)

[Uterine rupture following tubal implantation] Scharp H. **Zentralbl Gynakol** 1985;107(18):1139-40 (Eng. Abstr.) (Ger)

[Postpartum sterilization in a program of medical training] Andrade Zamora JG, et al. **Ginecol Obstet Mex** 1986 Jun; 54:148-51 (Eng. Abstr.) (Spa)

[Surgical sterilization: 10 years' experience] Flores Revuelta LJ, et al. **Ginecol Obstet Mex** 1985 Jun;53:163-5 (Eng. Abstr.) (Spa)

[Microsurgical tubal anastomosis] Rosa G, et al. **Rev Chil Obstet Ginecol** 1985;50(1):67-71 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

Laparoscopic sterilization with the Falope-ring technique in the puerperium. Klaerke M, et al. **Acta Obstet Gynecol Scand** 1986;65(2):99-101

Toxic shock syndrome, contraceptive methods, and vaginitis. Lanes SF, et al. **Am J Obstet Gynecol** 1986 May; 154(5):989-91

Pathological changes in fallopian tubes following three different kinds of occlusive techniques in primates. Gupta AN, et al. **Contraception** 1986 Mar;33(3):245-55

Is lactation a risk factor of IUD- and sterilization-related uterine perforation? A hypothesis. Chi IC, et al. **Int J Gynaecol Obstet** 1984 Aug;22(4):315-7

Computed tomography of hydrosalpinx following tubal ligation. Togashi K, et al. **J Comput Assist Tomogr** 1986 Jan-Feb;10(1):78-80

Endometriosis after tubal ligation. Fakih HN, et al. **J Reprod Med** 1985 Dec;30(12):939-41

Recurrent ectopic pregnancy after tubal sterilization. Davis MR. **Obstet Gynecol** 1986 Sep;68(3 Suppl):44S–45S
Acute salpingitis subsequent to tubal ligation. Phillips AJ, et al. **Obstet Gynecol** 1986 Mar;67(3 Suppl):55S–58S
Rare events associated with tubal sterilizations: an international experience. Chi IC, et al.
Obstet Gynecol Surv 1986 Jan;41(1):7–19 (38 ref.)
Hydrosalpinx and tubal torsion: a late complication of tubal ligation. Russin LD. **Radiology** 1986 Apr;159(1):115–6
Torsion of the fallopian tube—a late complication of sterilisation. Sivanesaratnam V. **Singapore Med J** 1986 Feb; 27(1):72–3
[The risks and benefits of laparoscopic sterilization] Ducholm S, et al. **Ugeskr Laeger** 1985 Nov 18;147(47):3780–3 (Eng. Abstr.) (Dan)
[Complications of tubal sterilization] Schreiner WE.
Ther Umsch 1986 May;43(5):425–33 (73 ref.) (Eng. Abstr.) (Ger)
[Hormonal and menstrual changes following salpingoclasia] Gaviño Gaviño F, et al. **Ginecol Obstet Mex** 1986 Jun; 54:136–40 (Eng. Abstr.) (Spa)
[Changes in menstrual pattern following tubal ligation] Rosales Estrada G. **Ginecol Obstet Mex** 1985 Jun;53:167–9 (Eng. Abstr.) (Spa)

INSTRUMENTATION

Sterilization failures with bipolar tubal cautery [letter] Hausner K. **Fertil Steril** 1986 Jul;46(1):150
Allergic reaction to Hulka clips. Trathen WT, et al.
Obstet Gynecol 1985 Nov;66(5):743–4
[Laparoscopic tubal sterilization: methodologic progress by the use of a so-called coagulotome] Moltz L, et al.
Geburtshilfe Frauenheilkd 1985 Dec;45(12):901–5 (Eng. Abstr.) (Ger)
[Salpingoclasia by laparoscopy using silastic rings. Comparative analysis of 1,500 cases] Kably Ambe A, et al. **Ginecol Obstet Mex** 1985 Dec;53:341–4 (Eng. Abstr.) (Spa)

METHODS

A comparative clinical trial of the tubal ring versus the Rocket clip for female sterilization. Aranda C, et al.
Am J Obstet Gynecol 1985 Dec 1;153(7):755–9
Effects of meclofenamate and acetaminophen on abdominal pain following tubal occlusion. Huang KC, et al.
Am J Obstet Gynecol 1986 Sep;155(3):624–9
A comprehensive review of female sterilisation—tubal occlusion methods. Chick PH, et al. **Clin Reprod Fertil** 1985 Jun;3(2):81–97 (84 ref.)
Bipolar tubal cautery failures [letter] Sheikh HH.
Fertil Steril 1985 Oct;44(4):557
Early puerperal laparoscopic sterilization—a new technique. Parulekar SV, et al. **J Postgrad Med** 1985 Jul;31(3):167–9
Laparoscopic tubal ligation under local anesthesia. Massouda D, et al. **J Tenn Med Assoc** 1986 Feb;79(2):75–6
Day case vaginal pomeroy tubectomy; a simplified technique. Bashir A. **JPMA** 1985 Oct;35(10):301–6
Value of routine dilation and curettage at the time of interval sterilization. Lichter ED, et al. **Obstet Gynecol** 1986 Jun; 67(6):763–5
Tubal ligation with local anaesthesia. Barss P. **Trop Doct** 1985 Oct;15(4):175–9
[Fallopian tube sterilization with stainless steel clips (report of 1127 cases)] Huang HL, et al.
Chung Hua Fu Chan Ko Tsa Chih 1985 Nov;20(6):373–4, 385 (Eng. Abstr.) (Chi)
[Tubo-ovarian histofunctional study in the rabbit after bilateral isthmus tubal sterilization and subsequent reanastomosis] Baffoni A, et al. **Minerva Ginecol** 1986 Mar; 38(3):193–9 (Eng. Abstr.) (Ita)

PSYCHOLOGY

Hysterectomy and tubal ligation. Ryan M, et al.
Adv Psychosom Med 1986;15:180–98
Female sterilization: can the woman who will seek reversal be identified prospectively? Taylor PJ, et al.
Clin Reprod Fertil 1986 Jun;4(3):207–15
Socio-biological parameters in relation to permanent sterilisation of parents. Gupta KL, et al.
Indian J Pediatr 1985 Nov–Dec;52(419):655–61
Married women and contraceptive sterilization: factors that contribute to pre-surgical ambivalence. Miller WB, et al. **J Biosoc Sci** 1985 Oct;17(4):471–9
Psychosocial factors influencing American men and women in their decision for sterilization. Burnell GM, et al.
J Psychol 1986 Mar;120(2):113–9
Psychological adjustment to and recovery from laparoscopic sterilization and infertility investigation. Wallace LM.
J Psychosom Res 1985;29(5):507–18
The characteristics, perceptions and personalities of women seeking a reversal of their tubal sterilization. Abraham S, et al. **Med J Aust** 1986 Jul 7;145(1):4–7
Regrets after tubal sterilization [editorial] Couper-Smartt J. **Med J Aust** 1986 Jul 7;145(1):2–3
The decision to terminate childbearing: differences in preoperative ambivalence between tubal ligation women and vasectomy wives. Shain RN, et al. **Soc Biol** 1984 Spring-Summer;31(1-2):40–58
Counseling women who request sterilization: psychodynamic issues and interventions. Kohn I.
Soc Work Health Care 1985–86 Winter;11(2):35–60
[Regret after sterilization in women] Vemer HM, et al.
Ned Tijdschr Geneeskd 1986 Mar 1;130(9):410–3 (Eng. Abstr.) (Dut)

UTILIZATION

[Female anticonception by voluntary surgery in the Ministery of Health, 1981–1984] Vernon R, et al.
Salud Publica Mex 1985 Nov–Dec;27(6):492–506 (Eng. Abstr.) (Spa)

STERNOCLAVICULAR JOINT

Monarticular septic arthritis of the sternoclavicular joint [letter] Taylor LJ, et al. **Arch Emerg Med** 1985 Sep; 2(3):177–8
Sternoclavicular septic arthritis as first manifestation of brucellosis [letter] Montejo Baranda M, et al.
Br J Rheumatol 1986 Aug;25(3):322
Sternoclavicular pyarthrosis. Farrer WE. **J Med Soc NJ** 1985 Sep;82(9):735–7
Graves' disease associated with intersterno-costoclavicular ossification and pustulosis palmoplantaris—a case report and review of the literature. Iwasaki T, et al.
Jpn J Med 1986 May;25(2):167–70
[Sternoclavicular arthritis without the usual predisposing factors (letter)] Montejo Baranda M, et al.
Rev Clin Esp 1985 Oct;177(5):237–8 (Spa)

GROWTH & DEVELOPMENT

Histologic comparison of the costochondral, sternoclavicular, and temporomandibular joints during growth in Macaca mulatta. Ellis E 3d, et al. **J Oral Maxillofac Surg** 1986 Apr;44(4):312–21

INJURIES

Retrosternal dislocation of the clavicle: an important injury easily missed. Worrell J, et al. **Arch Emerg Med** 1986 Jun; 3(2):133–5
Posterior sternoclavicular dislocations. Leighton RK, et al.
Can J Surg 1986 Mar;29(2):104–6
The results of total claviculectomy. Wood VE.
Clin Orthop 1986 Jun;(207):186–90
Tripartite injury of the clavicle. A case report. Elliott AC.
S Afr Med J 1986 Jul 19;70(2):115
[Traumatic retrosternal dislocation of the clavicle] Jensen G, et al. **Ugeskr Laeger** 1986 Jun 16;148(25):1543–4 (Eng. Abstr.) (Dan)
[Dislocation fracture of the sternoclavicular joint] Nutz V. **Unfallchirurg** 1986 Mar;89(3):145–8 (Eng. Abstr.) (Ger)
[Posterior dislocation of the sternoclavicular joint] Grabski RS, et al. **Chir Narzadow Ruchu Ortop Pol** 1985; 50(5):429–31 (Eng. Abstr.) (Pol)

RADIOGRAPHY

Osteoarthritis of the sternoclavicular joint. Radiographic features and pathologic correlation. Kier R, et al.
Invest Radiol 1986 Mar;21(3):227–33
Sternocostoclavicular hyperostosis: a review and report of 11 cases. Sartoris DJ, et al. **Radiology** 1986 Jan;158(1):125–8

SURGERY

Sternoclavicular dislocation. A plea for open treatment. Eskola A. **Acta Orthop Scand** 1986 Jun;57(3):227–8

STERNOCOSTAL JOINTS see under **JOINTS**

STERNUM

Lytic lesion of the sternum. Rare manifestation of sarcoidosis. Oven TJ, et al. **Am J Med** 1986 Feb;80(2):285–7
Sternal infections after heart operations [letter] Berry WB.
Ann Thorac Surg 1986 Aug;42(2):229
Sternal wound complications. Nursing care for coronary surgery patients. Marshall J, et al. **AORN J** 1985 Nov; 42(5):700–6
Psoriatic arthritis affecting the manubriosternal joint. Becker NJ, et al. **Arthritis Rheum** 1986 Aug;29(8):1029–31
Acute gout presenting in the manubriosternal joint. Kernodle GW Jr, et al. **Arthritis Rheum** 1986 Apr;29(4):570–2
A radionuclide and radiographic diagnosis of sternocostoclavicular hyperostosis. Rosenthall L, et al.
Clin Nucl Med 1986 May;11(5):322–4
Primary septic arthritis of the manubriosternal joint in a heroin user. López-Longo FJ, et al. **Clin Orthop** 1986 Jan; (202):230–1
Persistent transverse articulation of the sternal body with monarthritis. Jurik AG, et al. **Diagn Imag Clin Med** 1985; 54(6):318–21
Sternocostoclavicular hyperostosis. A report of nineteen cases, with special reference to etiology and treatment. Chigira M, et al. **J Bone Joint Surg [Am]** 1986 Jan; 68(1):103–12
Septic arthritis involving the manubriosternal joint. Gruber BL, et al. **J Rheumatol** 1985 Aug;12(4):803–4
Sternoclavicular joint infection with group B streptococcus [letter] Tabatabai MF, et al. **J Rheumatol** 1986 Apr; 13(2):466
Prevention of retrosternal adhesions after pericardiotomy. Mathisen SR, et al. **J Thorac Cardiovasc Surg** 1986 Jul; 92(1):92–8
[Is sternal puncture obsolete?] Burkhardt R, et al.
Dtsch Med Wochenschr 1986 Jan 17;111(3):116 (Ger)
[Sternal puncture (letter)] Mödder B.
Dtsch Med Wochenschr 1985 Dec 13;110(50):1952–3 (Ger)
[Errors and hazards: fatalities through sternal puncture] Püschel K, et al. **Dtsch Med Wochenschr** 1985 Oct 18; 110(42):1611–3 (Eng. Abstr.) (Ger)
[Pericardial tamponade following sternal puncture: ultrasound-guided decompression as emergency measure] Ranft K. **Dtsch Med Wochenschr** 1986 Jan 3;111(1):37–8 (Ger)
[Secondary cutaneous plasmacytoma. Apropos of a case] Varotti C, et al. **G Ital Dermatol Venereol** 1983 May–Jun; 118(3):145–8 (Eng. Abstr.) (Ita)
[A case of the congenital partial defect of the pectoralis major—accompanied by the sternalis with enormous size] Kitamura S, et al. **Kaibogaku Zasshi** 1985 Dec;60(6):728–32 (Eng. Abstr.) (Jpn)
[A new technic in repairing sternal dehiscence following open-heart surgery] Suzuki S, et al. **Kyobu Geka** 1985 Nov; 38(11):880–3 (Eng. Abstr.) (Jpn)
[A case of chondrosarcoma of the sternum] Yokoi Y, et al.
Kyobu Geka 1986 Feb;39(2):132–5 (Eng. Abstr.) (Jpn)

ABNORMALITIES

Thoracic skeletal abnormalities in young men with mitral valve prolapse. Peh WC, et al.
Ann Acad Med Singapore 1985 Oct;14(4):676–81
Curiosa paediatrica X: precocious sternebral fusion. James T. **S Afr Med J** 1986 Mar 15;69(6):389–90

ANATOMY & HISTOLOGY

The heart is under the lower third of the sternum. Implications for external cardiac massage. Finholt DA, et al. **Am J Dis Child** 1986 Jul;140(7):646–9
Analytical method of investigations of ribs, sternum and diaphragm on radiograms. Goszczyński M.
Folia Morphol (Warsz) 1985;44(3–4):216–22
Umbilicus and xiphisternum—poor antenatal reference points. Kingdom JC. **Ir Med J** 1985 Sep;78(9):248–50
Osteometric analysis of sexual dimorphism in the sternal end of the rib. Işcan MY. **J Forensic Sci** 1985 Oct;30(4):1090–9
Relation of infant heart to sternum: its significance in cardiopulmonary resuscitation. Phillips GW, et al.
Lancet 1986 May 3;1(8488):1024–5

GROWTH & DEVELOPMENT

Time of fusion of the human mesosternum with manubrium & xiphoid process. Jit I, et al. **Indian J Med Res** 1986 Mar; 83:322–31

INJURIES

Manubriosternal joint dislocation in rheumatoid arthritis: the role of thoracic kyphosis. Kelly MC, et al.
Ann Rheum Dis 1986 Apr;45(4):345–8
Effect of seat belt legislation on the incidence of sternal fractures seen in the accident department. Budd JS.
Br Med J [Clin Res] 1985 Sep 21;291(6498):785
Fractures of the sternum associated with spinal injury. Gopalakrishnan KC, et al. **J Bone Joint Surg [Br]** 1986 Mar;68(2):178–81
Spontaneous sternal fracture—a misnomer. Bowyer RC, et al. **J R Soc Med** 1986 Mar;79(3):175–6
Cardiac and vascular sequelae of sternal fractures. Harley DP, et al. **J Trauma** 1986 Jun;26(6):553–5
[Stabilizing operations of the thorax] Schmit-Neuerburg KP, et al. **Chirurg** 1986 Jan;57(1):1–14 (Ger)
[Contusions of the lungs in closed chest injury] Astafurov VN, et al. **Grudn Khir** 1986 May-Jun;(3):36–40 (Eng. Abstr.) (Rus)
[A method of osteosynthesis in fractures of the ribs, sternum and clavicle] Shapot IuB, et al. **Vestn Khir** 1985 Nov; 135(11):83–7 (Rus)

PATHOLOGY

Osteonecrosis of sternum and rib in a patient treated for Hodgkin's disease. Blijham GH, et al. **Cancer** 1985 Nov 1;56(9):2292–4
[Iatrogenic heart injuries in sternal punctures] Püschel K, et al. **Beitr Gerichtl Med** 1985;43:369–75 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

[Biomechanical analysis of sternal punctures] Mattern R, et al. **Beitr Gerichtl Med** 1985;43:361–7 (Eng. Abstr.) (Ger)

RADIOGRAPHY

CT of the sternum. Stark P, et al. **AJR** 1986 Jul;147(1):72–7
Computed tomography evaluation of primary and secondary sternal neoplasms. Shin MS, et al. **J Comput Tomogr** 1986 Jan;10(1):27–32
[Sternocostoclavicular hyperostosis] Petersen VS, et al.
Ugeskr Laeger 1986 Aug 4;148(32):2029 (Eng. Abstr.) (Dan)
[Pustulotic arthro-osteitis. An infrequent or little known disease? (letter)] Lozano M, et al. **Med Clin (Barc)** 1986 Jun 7;87(2):85 (Spa)

RADIONUCLIDE IMAGING

Cold sternal image as a sign of metastatic involvement. Carrió I, et al. **Clin Nucl Med** 1986 Jun;11(6):417–9

Thallium-201 uptake by the sternum. Intenzo CM, et al. **Clin Nucl Med** 1986 Mar;11(3):214–5

Primary sternal osteomyelitis. Kelly CA, et al. **Thorax** 1985 Nov;40(11):872–3

SURGERY

Anaerobic mediastinitis complicating median sternotomy. Smith PS, et al. **Am J Med Sci** 1985 Sep;290(3):111–3

Median sternotomy infection. Management and reconstruction. Voegele LD, et al. **Am Surg** 1985 Nov; 51(11):645–7

Influence of ketanserin pretreatment on the haemodynamic responses to sternotomy. Cashman JN, et al. **Anaesthesia** 1986 May;41(5):505–10

Submammary skin incision as a cosmetic approach to median sternotomy. Bédard P, et al. **Ann Thorac Surg** 1986 Mar; 41(3):339–41

Sternal infections after heart operations [letter] Berry WB. **Ann Thorac Surg** 1986 Aug;42(2):229

Sternotomy with tracheostoma [letter] Bowman GA, et al. **Ann Thorac Surg** 1986 Jul;42(1):119

Repeat median sternotomy in pediatrics: experience in 164 consecutive cases. DeLeon SY, et al. **Ann Thorac Surg** 1986 Feb;41(2):184–8

Partial pericardiectomy to prevent cardiac compression in open-heart surgery [letter] Fundarò P, et al. **Ann Thorac Surg** 1986 May;41(5):581–3

A technique for direct-vision sternal reentry. Grunwald RP. **Ann Thorac Surg** 1985 Nov;40(5):521–2

Reconstruction of the infected median sternotomy wound. Majure JA, et al. **Ann Thorac Surg** 1986 Jul;42(1):9–12

Management of infected median sternotomy wounds [editorial] Pairolero PC, et al. **Ann Thorac Surg** 1986 Jul; 42(1):1–2

Comparison of median sternotomy and thoracotomy for resection of pulmonary metastases in patients with adult soft-tissue sarcomas. Roth JA, et al. **Ann Thorac Surg** 1986 Aug;42(2):134–8

Sternal dehiscence: pericostal guy wires equals sternal stability. Sommerhaug RG, et al. **Ann Thorac Surg** 1986 Jul;42(1):107–8

Median sternotomy as a standard approach for pulmonary resection. Urschel HC Jr, et al. **Ann Thorac Surg** 1986 Feb; 41(2):130–4

Update on sternal osteosynthesis. Vincent JG. **Ann Thorac Surg** 1986 Feb;41(2):216–8

Repair of subxiphoid incisional hernias with Marlex mesh after median sternotomy. Cohen MJ, et al. **Arch Surg** 1985 Nov;120(11):1270–1

Pros and cons of urgent exploratory sternotomy after open cardiac surgery. Koshal A, et al. **Can J Surg** 1986 May; 29(3):186–9

Omental transposition for closure of median sternotomy following severe mediastinal and vascular infection. Seguin JR, et al. **Chest** 1985 Nov;88(5):684–6

Median sternotomy for resection of lung metastases. Rendina EA, et al. **Ital J Surg Sci** 1985;15(4):375–9

Technique of closure of median sternotomy with trans-sternal figure-of-eight wires. Goodman G, et al. **J Cardiovasc Surg (Torino)** 1986 Jul–Aug;27(4):512–3

Delayed sternal closure following cardiac operations. Milgater E, et al. **J Cardiovasc Surg (Torino)** 1986 May–Jun; 27(3):328–31

Delayed sternal closure. An improved method of dealing with complications after cardiopulmonary bypass. Josa M, et al. **J Thorac Cardiovasc Surg** 1986 Apr;91(4):598–603

Comparison between antibiotic irrigation and mobilization of pectoral muscle flaps in treatment of deep sternal infections. Scully HE, et al. **J Thorac Cardiovasc Surg** 1985 Oct;90(4):523–31

Antibiotic prophylaxis and sternal wounds [letter] Farrington M. **Lancet** 1985 Dec 7;2(8467):1306

Treatment of total sternal necrosis using the latissimus dorsi muscle flap. Tizian C, et al. **Plast Reconstr Surg** 1985 Nov; 76(5):703–7

Hemodynamic effects of sternum closure after open-heart surgery in infants and children. Jögi P, et al. **Scand J Thorac Cardiovasc Surg** 1985;19(3):217–20

Use of muscle flaps in the treatment of infected sternotomy. Pettersson G, et al. **Scand J Thorac Cardiovasc Surg** 1986; 20(1):1–4

Delayed chest wall complications of median sternotomy. Weber LD, et al. **South Med J** 1986 Jun;79(6):723–7 (34 ref.)

Closure of longitudinal sternotomy with absorbable sutures. Mulch J, et al. **Thorac Cardiovasc Surg** 1986 Jun;34(3):191–3

Median sternotomy in reoperations for primary hyperparathyroidism. Norton JA, et al. **World J Surg** 1985 Oct;9(5):807–13

[The management of median sternotomy infection following cardiac surgery by continuous closed irrigation with an antibiotic solution] Maehara T, et al. **Kyobu Geka** 1985 Sep; 38(9):706–9 (Eng. Abstr.) (Jpn)

[A protector for the prevention of sternal fracture following median sternotomy] Okada T, et al. **Kyobu Geka** 1986 Feb; 39(2):113–4 (Eng. Abstr.) (Jpn)

[Ultrasonic sternotomy in thoracic surgery] Shalkhaev AIa, et al. **Khirurgiia (Mosk)** 1985 Jun;(6):122–6 (Rus)

[Osteosynthesis of the fractured or osteoporotic sternum after medial sternotomy] Jablanov J, et al. **Vojnosanit Pregl** 1986 Mar–Apr;43(2):128–30 (Eng. Abstr.) (Ser)

STEROID-11-HYDROXYLASE see under **STEROID HYDROXYLASES**

STEROID-12-HYDROXYLASE see under **STEROID HYDROXYLASES**

STEROID-17-HYDROXYLASE see under **STEROID HYDROXYLASES**

STEROID-21-HYDROXYLASE see under **STEROID HYDROXYLASES**

STEROID HYDROXYLASES

ANALYSIS

Inhibition of 25-hydroxyvitamin D 1 alpha-hydroxylase by renal mitochondrial protein kinase-catalyzed phosphorylation. Ghazarian JG, et al. **Biochem Biophys Res Commun** 1985 Nov 15; 132(3):1095–102

Ontogeny of guinea pig liver cholesterol 7 alpha-hydroxylase: unexpected inverse correlation of enzyme activity with expanding bile acid pool. Yunker RL, et al. **Biochem Biophys Res Commun** 1985 Oct 30; 132(2):702–7

Subcellular location and properties of rat renal 25-hydroxyvitamin D3-1 alpha-hydroxylase. Paulson SK, et al. **J Biol Chem** 1985 Sep 25;260(21):11488–92

The synthesis of aldosterone by the adrenal cortex. Two zones (fasciculata and glomerulosa) possess one enzyme for 11 beta-, 18-hydroxylation, and aldehyde synthesis. Yanagibashi K, et al. **J Biol Chem** 1986 Mar 15; 261(8):3556–62

1,25 Dihydroxyvitamin D increases hepatocyte cytosolic calcium levels. A potential regulator of vitamin D-25-hydroxylase. Baran DT, et al. **J Clin Invest** 1986 May;77(5):1622–6

Measurement of 25-hydroxyvitamin D 1-alpha-hydroxylase activity in mammalian kidney. Lobaugh B, et al. **Methods Enzymol** 1986;123:159–67

Assays for cholesterol 7 alpha-hydroxylase and 12 alpha-hydroxylase using high performance liquid chromatography. Noshiro M, et al. **Steroids** 1985 Jun; 45(6):539–50

[Primary structure of 20S,22R-cholesterol-hydroxylating cytochrome P-450 from bovine adrenal cortex mitochondria. IV. Structure of peptides of thermolytic and limited tryptic hydrolysis of the fragment F1; peptides of cyanogen bromide hydrolysis of cytochrome P-450. Complete amino acid sequence] Chashchin VL, et al. **Bioorg Khim** 1985 Aug;11(8):1048–67 (Eng. Abstr.) (Rus)

ANTAGONISTS & INHIBITORS

Discriminatory inhibition of adrenocortical 17 alpha-hydroxylase activity by inhibitors of cholesterol side chain cleavage cytochrome P-450. Sheets JJ, et al. **Arch Biochem Biophys** 1985 Oct;242(1):297–305

Inhibition of rat liver microsomal cytochrome P-450 steroid hydroxylase reactions by imidazole antimycotic agents. Sheets JJ, et al. **Biochem Pharmacol** 1986 Feb 1; 35(3):487–91

Human parathyroid hormone inhibits renal 24-hydroxylase activity of 25-hydroxyvitamin D3 by a mechanism involving adenosine 3',5'-monophosphate in rats. Shigematsu T, et al. **Endocrinology** 1986 Apr;118(4):1583–9

Inhibition of estrogen 2-hydroxylase. Purba HS, et al. **J Steroid Biochem** 1986 May;24(5):1091–3

BIOSYNTHESIS

Female-predominant expression of testosterone 16 alpha-hydroxylase ("I"-P-450(16)alpha) and its repression in strain 129/J. Noshiro M, et al. **Arch Biochem Biophys** 1986 Feb 1;244(2):857–64

Rat hepatic cholesterol 7 alpha-hydroxylase: biochemical properties and comparison to constitutive and xenobiotic-inducible cytochrome P-450 enzymes. Waxman DJ. **Arch Biochem Biophys** 1986 Jun;247(2):335–45

Characterization of testosterone 16 alpha-hydroxylase (I-P-450(16) alpha) induced by phenobarbital in mice. Devore K, et al. **Biochemistry** 1985 Sep 24;24(20):5632–7

Adenosine 3',5'-monophosphate-mediated induction of 17 alpha-hydroxylase and C 17-20 lyase activities in cultured mouse Leydig cells is enhanced by inhibition of steroid biosynthesis. Rani CS, et al. **Endocrinology** 1986 Mar; 118(3):1222–8

Synthesis and processing of mitochondrial steroid hydroxylases. In vivo maturation of the precursor forms of cytochrome P-450scc, cytochrome P-450(11)beta, and adrenodoxin. Matocha MF, et al. **J Biol Chem** 1985 Oct 5;260(22):12259–65

Hormonal and developmental regulation of expression of the hepatic microsomal steroid 16 alpha-hydroxylase cytochrome P-450 apoprotein in the rat. Morgan ET, et al. **J Biol Chem** 1985 Oct 5;260(22):11895–8

Hormonal regulation of P450scc (20,22-desmolase) and P450c17 (17 alpha-hydroxylase/17,20-lyase) in cultured human granulosa cells. Voutilainen R, et al. **J Clin Endocrinol Metab** 1986 Jul;63(1):202–7

DEFICIENCY

Early diagnosis of 11 beta-hydroxylase deficiency in two siblings confirmed by analysis of a novel steroid metabolite in newborn urine. Hughes IA, et al. **Acta Endocrinol (Copenh)** 1986 Mar;111(3):349–54

The immunological detection of a 21-OH deficiency mutation HLA supratype. Pollack MS, et al. **Am J Hum Genet** 1986 May;38(5):688–98

Clinically silent congenital adrenal hyperplasia masquerading as ectopic adrenocorticotropic hormone syndrome. Georgitis WJ. **Am J Med** 1986 Apr;80(4):703–8

Extended MHC haplotypes in salt-losing 21-hydroxylase deficiency. Alper CA, et al. **Ann NY Acad Sci** 1985; 458:28–35

Neonatal screening program for congenital adrenal hyperplasia in a homogeneous Caucasian population. Cacciari E, et al. **Ann NY Acad Sci** 1985;458:85–9

Prenatal therapy in congenital adrenal hyperplasia. Attempted prevention of abnormal external genital masculinization by pharmacologic suppression of the fetal adrenal gland in utero. Chrousos GP, et al. **Ann NY Acad Sci** 1985;458:156–64

The coexistence of IgA deficiency and 21-hydroxylase deficiency marked by specific MHC supratypes. Cobain TJ, et al. **Ann NY Acad Sci** 1985;458:76–84

Biochemical properties of cytochrome P-450 in relation to steroid oxygenation. Coon MJ, et al. **Ann NY Acad Sci** 1985;458:216–24 (56 ref.)

HLA associations in 21-hydroxylase deficiency (congenital and late-onset adrenal hyperplasia) in France. Couillin P, et al. **Ann NY Acad Sci** 1985;458:41–5

Pitfalls in prenatal diagnosis of 21-hydroxylase deficiency by amniotic fluid steroid analysis? A six years experience in 102 pregnancies at risk. Forest MG. **Ann NY Acad Sci** 1985;458:130–47

Monitoring treatment in congenital adrenal hyperplasia. Use of serial measurements of 17-OH-progesterone in plasma, capillary blood, and saliva. Hughes IA, et al. **Ann NY Acad Sci** 1985;458:193–202

The HLA associations in congenital adrenal hyperplasia due to 21-hydroxylase deficiency in a Yugoslav population. Kaštelan A, et al. **Ann NY Acad Sci** 1985;458:36–40

Different gene defects in the salt-wasting (SW), simple virilizing (SV), and nonclassical (NC) types of congenital adrenal hyperplasia (CAH). Knorr D, et al. **Ann NY Acad Sci** 1985;458:71–5

HLA associations in late-onset 21-hydroxylase deficiency in Israel. Laron Z, et al. **Ann NY Acad Sci** 1985;458:52–64

HLA-B14 and nonclassical 21-hydroxylase deficiency in a heterogeneous New York population. Levine LS. **Ann NY Acad Sci** 1985;458:65–70

The use of gamma interferon to increase HLA antigen expression on cultured amniotic cells used for the prenatal diagnosis of 21-hydroxylase deficiency. Maurer DH, et al. **Ann NY Acad Sci** 1985;458:148–55

Neonatal screening for congenital adrenal hyperplasia in Japan. Naruse H, et al. **Ann NY Acad Sci** 1985;458:103–10

Clinical and endocrinological aspects of 21-hydroxylase deficiency. New MI. **Ann NY Acad Sci** 1985;458:1–27 (51 ref.)

Pitfalls of prenatal diagnosis of 21-hydroxylase deficiency congenital adrenal hyperplasia. Pang S, et al. **Ann NY Acad Sci** 1985;458:111–29

Newborn screening for congenital adrenal hyperplasia with special reference to screening in Alaska. Pang S, et al. **Ann NY Acad Sci** 1985;458:90–102

LHRH analog treatment of central precocious puberty complicating congenital adrenal hyperplasia. Pescovitz OH, et al. **Ann NY Acad Sci** 1985;458:174–81

Modern medical therapy of congenital adrenal hyperplasia. A decade of experience. Winter JS, et al. **Ann NY Acad Sci** 1985;458:165–73

Effect of hydrocortisone dose schedule on adrenal steroid secretion in congenital adrenal hyperplasia. Winterer J, et al. **Ann NY Acad Sci** 1985;458:182–92

The association between congenital adrenal hyperplasia and HLA in Southern Italy. Zappacosta S, et al. **Ann NY Acad Sci** 1985;458:46–51

Adrenal myelolipoma in a woman with congenital 17-hydroxylase deficiency. Condom E, et al. **Arch Pathol Lab Med** 1985 Dec;109(12):1116–7

Absence of renal 25-hydroxycholecalciferol-1-hydroxylase activity in a pig strain with vitamin D-dependent rickets. Winkler I, et al. **Calcif Tissue Int** 1986 Feb;38(2):87–94

Pseudotumor cerebri in a boy with 11-beta-hydroxylase deficiency--a possible relation to rapid steroid withdrawal. Zadik Z, et al. **Childs Nerv Syst** 1985;1(3):179–81

Masculinizing operation for a female patient with congenital adrenocortical hyperplasia due to 21-hydroxylase deficiency. Okuyama A, et al. **Hinyokika Kiyo** 1985 Nov; 31(11):2003–5

Circadian variation of plasma 17-hydroxyprogesterone among heterozygotic carriers of 21-hydroxylase deficiency (salt-losing form). Urban MD, et al. **Horm Res** 1986; 23(2):74–7

First trimester prenatal diagnosis of 21-hydroxylase deficiency by linkage analysis to HLA-DNA probes and by 17-hydroxyprogesterone determination. Mornet E, et

al. **Hum Genet** 1986 Aug;73(4):358–64

Steroid 21-hydroxylase deficiency and the major histocompatibility complex. White PC, et al. **Hum Immunol** 1986 Apr;15(4):404–15

Congenital adrenal hyperplasia and luteal dysfunction. Villanueva AL, et al. **Int J Gynaecol Obstet** 1985 Dec; 23(6):449–54

Clinical and biological phenotypes in late-onset 21-hydroxylase deficiency. Dewailly D, et al. **J Clin Endocrinol Metab** 1986 Aug;63(2):418–23

Gene conversion in salt-losing congenital adrenal hyperplasia with absent complement C4B protein. Donohoue PA, et al. **J Clin Endocrinol Metab** 1986 May;62(5):995–1002

Requirement of mineralocorticoid in congenital adrenal hyperplasia due to 11 beta-hydroxylase deficiency. Hochberg Z, et al. **J Clin Endocrinol Metab** 1986 Jul; 63(1):36–40

Demonstration of 26-hydroxylation of C27-steroids in human skin fibroblasts, and a deficiency of this activity in cerebrotendinous xanthomatosis. Skrede S, et al. **J Clin Invest** 1986 Sep;78(3):729–35

HLA and hormonal studies in 5 patients with late-onset 21-hydroxylase deficiency syndrome (21OHDS). Scaroni C, et al. **J Endocrinol Invest** 1986 Feb;9(1):65–70

Spontaneous sexual development and menarche in a female with 17 alpha-hydroxylase deficiency. Singhellakis PN, et al. **J Endocrinol Invest** 1986 Apr;9(2):177–83

Fluorescence enzyme immunoassay of 21-deoxycortisol in plasma and dried blood sample on filter paper. Arakawa H, et al. **J Immunoassay** 1985;6(4):347–61

Deletion of the steroid 21-hydroxylase and complement C4 genes in congenital adrenal hyperplasia. Rumsby G, et al. **J Med Genet** 1986 Jun;23(3):204–9

Late-onset 21-hydroxylase deficiency and polycystic ovary disease. A case report. Balkin MS, et al. **J Reprod Med** 1986 Jun;31(6):517–9

Radioimmunoassay of urinary 21-deoxytetrahydroaldosterone in primary aldosteronism and 21-hydroxylase deficiency. Lewicka S, et al. **J Steroid Biochem** 1986 Feb;24(2):581–6

Male pseudohermaphroditism due to multiple defects in steroid-biosynthetic microsomal mixed-function oxidases. A new variant of congenital adrenal hyperplasia. Peterson RE, et al. **N Engl J Med** 1985 Nov 7;313(19):1182–91

Prolonged activation of hypothalamo-pituitary-ovarian axis during early infancy in female patients with salt-losing 21-hydroxylase deficiency. Maesaka H, et al. **Pediatr Res** 1985 Dec;19(12):1258–62

21-Hydroxylase deficiency: HLA genotypes and hormonal phenotypes in the families of 32 Italian patients. Livieri C, et al. **Prog Clin Biol Res** 1985;200:243–55

Genetics of congenital adrenal hyperplasia. New MI. **Prog Clin Biol Res** 1985;200:233–41

[Medroxyprogesterone acetate. Contributive treatment in congenital adrenal hyperplasia caused by 21-hydroxylase deficiency in children] La Selve H, et al. **Arch Fr Pediatr** 1985 Aug-Sep;42(7):511–6 (Eng. Abstr.) (Fre)

[Adrenal hyperplasia as a result of 21-hydroxylase deficiency: prenatal diagnosis and treatment. Neonatal diagnosis] Lambotte C. **Rev Med Liege** 1986 Jan 15;41(2):37–44 (36 ref.) (Fre)

[Neglected congenital adrenogenital syndrome (AGS) in an adult. A case report (21-hydroxylase deficiency) with a summary of the current status of therapy with reference to adulthood] Mackenroth T. **Internist (Berlin)** 1986 Apr; 27(4):274–8 (Ger)

[Puberty and growth development in patients with a 21-hydroxylase defect] Börger D, et al. **Monatsschr Kinderheilkd** 1985 Nov;133(11):828–33 (Eng. Abstr.) (Ger)

[Hirsutism and light forms of congenital adrenogenital syndrome with 21- and 11-beta hydroxylase defect] Zachmann M. **Schweiz Med Wochenschr** 1986 Mar 29; 116(13):408–12 (Eng. Abstr.) (Ger)

[HLA and congenital genital adrenal syndrome caused by 21-hydroxylase deficiency (letter)] Colabucci F, et al. **Minerva Pediatr** 1985 Sep 30;37(18):696–7 (Ita)

[A case of congenital adrenogenital syndrome] Sumiya H, et al. **Hinyokika Kiyo** 1985 Aug;31(8):1433–9 (Eng. Abstr.) (Jpn)

[Image diagnosis of adrenal disorders. III. "Nonfunctioning" adrenal adenoma, weak mineralocorticoids producing adrenal carcinoma, congenital adrenogenital syndrome due to 21-hydroxylase deficiency—simple virilizing form, and pheochromocytoma] Yamakita N, et al. **Nippon Naibunpi Gakkai Zasshi** 1985 Jun 20;61(6):677–89 (Eng. Abstr.) (Jpn)

[A case of male pseudohermaphroditism due to 17 alpha-hydroxylase deficiency with high levels of plasma aldosterone and angiotensin II] Toyoda N, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Jul;38(7):1162–5 (Jpn)

[New concepts in virilizing adrenal hyperplasia caused by 21-hydroxylase block] Cortínez A, et al. **Rev Chil Pediatr** 1985 May-Jun;56(3):192–8 (Eng. Abstr.) (Spa)

[Congenital adrenal hyperplasia as a cause of female pseudohermaphroditism] Larrea F, et al. **Rev Invest Clin** 1986 Apr-Jun;38(2):209–17 (53 ref.) (Spa)

GENETICS

An approach to the molecular biology of congenital adrenal hyperplasia. Chung BC, et al. **Ann NY Acad Sci** 1985; 458:238–51

Molecular cloning of steroid 21-hydroxylase. White PC, et al. **Ann NY Acad Sci** 1985;458:277–87

Restriction maps and restriction fragment length polymorphisms of the human 21-hydroxylase genes. Donohoue PA, et al. **Biochem Biophys Res Commun** 1986 Apr 29;136(2):722–9

Bovine steroid 21-hydroxylase: regulation of biosynthesis. John ME, et al. **Biochemistry** 1986 May 20;25(10):2846–53

Deletion of complement C4 and steroid 21-hydroxylase genes in the HLA class III region. Carroll MC, et al. **EMBO J** 1985 Oct;4(10):2547–52

Genetics of adrenal steroid 21-hydroxylase deficiency. New MI, et al. **Endocr Rev** 1986 Aug;7(3):331–49 (115 ref.)

Rearrangement of 21-hydroxylase genes in disease-associated MHC supratypes. Garlepp MJ, et al. **Immunogenetics** 1986; 23(2):100–5

C4B gene polymorphism detected in a human cosmid clone. Prentice HL, et al. **Immunogenetics** 1986;23(4):274–6

Molecular genetics of the fourth component of human complement and steroid 21-hydroxylase. Carroll MC, et al. **Immunol Rev** 1985 Oct;87:39–60 (92 ref.)

Adrenal 21-hydroxylase cytochrome P-450 genes within the MHC class III region. White PC, et al. **Immunol Rev** 1985 Oct;87:123–50 (84 ref.)

Sexual dimorphism of testosterone 15 alpha-hydroxylase mRNA levels in mouse liver. cDNA cloning and regulation. Burkhart BA, et al. **J Biol Chem** 1985 Dec 5; 260(28):15357–61

Multiple gene-like sequences related to the rabbit hepatic progesterone 21-hydroxylase cytochrome P-450 1. Tukey RH, et al. **J Biol Chem** 1985 Oct 25;260(24):13347–54

Assignment of the gene for adrenal P450c17 (steroid 17 alpha-hydroxylase/17,20 lyase) to human chromosome 10. Matteson KJ, et al. **J Clin Endocrinol Metab** 1986 Sep; 63(3):789–91

Polymorphism of the human complement C4 and steroid 21-hydroxylase genes. Restriction fragment length polymorphisms revealing structural deletions, homoduplications, and size variants. Schneider PM, et al. **J Clin Invest** 1986 Sep;78(3):650–7

Genetics and biochemical variability of variants of 21 hydroxylase deficiency. Gordon MT, et al. **J Med Genet** 1985 Oct;22(5):354–60

Structure of a bovine gene for P-450c21 (steroid 21-hydroxylase) defines a novel cytochrome P-450 gene family. Chung BC, et al. **Proc Natl Acad Sci USA** 1986 Jun;83(12):4243–7

Complete nucleotide sequence of two steroid 21-hydroxylase genes tandemly arranged in human chromosome: a pseudogene and a genuine gene. Higashi Y, et al. **Proc Natl Acad Sci USA** 1986 May;83(9):2841–5

Transcriptional regulation of steroid hydroxylase genes by corticotropin. John ME, et al. **Proc Natl Acad Sci USA** 1986 Jul;83(13):4715–9

Expression of murine 21-hydroxylase in mouse adrenal glands and in transfected Y1 adrenocortical tumor cells. Parker KL, et al. **Proc Natl Acad Sci USA** 1985 Dec; 82(23):7860–4

Structure of human steroid 21-hydroxylase genes. White PC, et al. **Proc Natl Acad Sci USA** 1986 Jul;83(14):5111–5

ISOLATION & PURIFICATION

Determination of estradiol 2- and 16 alpha-hydroxylase activities in rat liver microsomes using high-performance liquid chromatography. Numazawa M, et al. **Anal Biochem** 1985 Sep;149(2):409–14

Purification and characterization of estrogen-2/4-hydroxylase activity from rabbit hypothalami: peroxidase-mediated catechol estrogen formation. Mondschein JS, et al. **Endocrinology** 1986 Sep; 119(3):1105–12

Isolation of a cytochrome P-450 that catalyzes the 25-hydroxylation of vitamin D3 from rat liver microsomes. Hayashi S, et al. **J Biochem (Tokyo)** 1986 Jun;99(6):1753–63

Studies on steroid monooxygenase from Cylindrocarpon radicicola ATCC 11011. Purification and characterization. Itagaki E. **J Biochem (Tokyo)** 1986 Mar;99(3):815–24

METABOLISM

Regulation of 11 beta/18-steroid hydroxylation in newborn rat adrenal cells in primary culture. Ramirez LC, et al. **Acta Endocrinol (Copenh)** 1986 Jan;111(1):106–15

Sex-dependent effect of streptozotocin-induced diabetes mellitus on hepatic steroid metabolism in the rat. Skett P. **Acta Endocrinol (Copenh)** 1986 Feb;111(2):217–21

Assay system for simultaneous measurement of three steroidogenic enzyme activities in rat and human testis—effect of human chorionic gonadotropin. Sikka SC, et al. **Anal Biochem** 1985 Aug 15;149(1):72–86

Deoxycorticosterone biosynthesis in kidney tissue of experimental animals. Characterization of steroid 21-hydroxylase activity in guinea pig kidney. Casey ML, et al. **Ann NY Acad Sci** 1985;458:232–7

Evidence that variation among untreated rabbits in hepatic progesterone 21-hydroxylase activity is indicative of enzyme heterogeneity rather than a transient inductive effect. Muller-Eberhard U, et al. **Ann NY Acad Sci** 1985; 458:225–31

Interaction of bovine renal mitochondrial cytochrome P-450 with antioxidants. Crivello JF. **Arch Biochem Biophys** 1986 Aug 1;248(2):551–61

Cytochrome P-450 isozymes from the marine teleost Stenotomus chrysops: their roles in steroid hydroxylation and the influence of cytochrome b5. Klotz AV, et al. **Arch Biochem Biophys** 1986 Sep;249(2):326–38

Modulation of reconstituted cholesterol 7 alpha-hydroxylase by phosphatase and protein kinase. Tang PM, et al. **Biochem Biophys Res Commun** 1986 Jan 29;134(2):797–802

Solubilization and reconstitution of chick renal mitochondrial 25-hydroxyvitamin D3 24-hydroxylase. Burgos-Trinidad M, et al. **Biochemistry** 1986 May 6;25(9):2692–6

Regulation of bile acid synthesis via direct effects on the microsomal membrane. Davis RA, et al. **Biochemistry** 1986 Apr 8;25(7):1632–6

Effects of mevinolin in rat liver: evidence for a lack of coupling between synthesis of hydroxymethylglutaryl-CoA reductase and cholesterol 7 alpha-hydroxylase activity. Björkhem I. **Biochim Biophys Acta** 1986 Jun 11;877(1):43–9

Effect of catecholamines on the hepatic rate-limiting enzymes of cholesterol metabolism in normally fed and cholesterol-fed rabbits. Deverey R, et al. **Biochim Biophys Acta** 1986 Jul 11;887(2):173–81

Location of enzymes of androgen and estrogen biosynthesis in the testis of the ground squirrel (Citellus lateralis). Pudney J, et al. **Biol Reprod** 1985 Nov;33(4):971–80

Effects of prostaglandin E2 and indomethacin on 25-hydroxyvitamin D3-1 alpha-hydroxylase activity in isolated kidney cells of normal and streptozotocin-induced diabetic rats. Kurose H, et al. **Calcif Tissue Int** 1985 Dec; 37(6):625–9

Modulation of rat hepatic microsomal testosterone hydroxylases by 2,3,7,8-tetrachlorodibenzo-p-dioxin and related toxic isostereomers. Keys B, et al. **Can J Physiol Pharmacol** 1985 Dec;63(12):1537–42

Regulation of renal vitamin D hydroxylase activity in vitamin D deficient rats. Warner M, et al. **Can J Physiol Pharmacol** 1985 Aug;63(8):978–82

Dexamethasone increases 1,25-dihydroxyvitamin D3 receptor levels and augments bioresponses in rat osteoblast-like cells. Chen TL, et al. **Endocrinology** 1986 Mar;118(3):1119–26

Effect of dexamethasone on 25-hydroxyvitamin D3 metabolism by chick kidney cell cultures. Henry HL. **Endocrinology** 1986 Mar;118(3):1134–8

Catechol estrogen formation by pig blastocysts during the preimplantation period: biochemical characterization of estrogen-2/4-hydroxylase and correlation with aromatase activity. Mondschein JS, et al. **Endocrinology** 1985 Dec; 117(6):2339–46

Effects of H2-antagonists on androgen imprinting of male hepatic functions. Turocy JF, et al. **Endocrinology** 1985 Nov;117(5):1953–61

Aromatase, estrogen 2-hydroxylase, and catechol-O-methyltransferase activity in isolated, cultured gonadotropic cells of mature African catfish, Clarias gariepinus (Burchell). de Leeuw R, et al. **Gen Comp Endocrinol** 1985 Nov;60(2):171–7

Role of electron transport in the regulation of the lyase activity of C21 side-chain cleavage P-450 from porcine adrenal and testicular microsomes. Yanagibashi K, et al. **J Biol Chem** 1986 Jun 25;261(18):8429–33

Structural analysis of cloned cDNA for mRNA of microsomal cytochrome P-450(C21) which catalyzes steroid 21-hydroxylation in bovine adrenal cortex. Yoshioka H, et al. **J Biol Chem** 1986 Mar 25;261(9):4106–9

Regulation of the activities of 17-hydroxylase and 17,20-desmolase in the human adrenal cortex: kinetic analysis and inhibition by endogenous steroids. Couch RM, et al. **J Clin Endocrinol Metab** 1986 Sep;63(3):613–8

Human fetal liver estrogen 16 alpha-hydroxylase: precursor specificity, kinetic parameters, and in vitro regulation. Milewich L, et al. **J Clin Endocrinol Metab** 1986 Jul; 63(1):180–91

Estrogen 16 alpha-hydroxylase activity in human fetal tissues. Milewich L, et al. **J Clin Endocrinol Metab** 1986 Aug;63(2):404–6

Abnormal parathyroid hormone stimulation of 25-hydroxyvitamin D-1 alpha-hydroxylase activity in the hypophosphatemic mouse. Evidence for a generalized defect of vitamin D metabolism. Nesbitt T, et al. **J Clin Invest** 1986 Jan;77(1):181–7

Sequential sampling and analysis of renal hydroxylase activities of cattle given 1 alpha-hydroxyvitamin D3. Littledike ET, et al. **J Dairy Sci** 1986 Apr;69(4):990–7

Oestrogen-2/4-hydroxylase activity in the rat brain during lactation and throughout the oestrous cycle. Brown CG, et al. **J Endocrinol** 1985 Nov;107(2):191–6

Bile acid synthesis in man: assay of hepatic microsomal cholesterol 7 alpha-hydroxylase activity by isotope dilution-mass spectrometry. Einarsson K, et al. **J Lipid Res** 1986 Jan;27(1):82–8

Acute effect of human chorionic gonadotropin (hCG) on 17 alpha-hydroxylase and C17,20-lyase activity in neonatal or prepubertal rat testis. Cheng HC. **J Steroid Biochem** 1986 May;24(5):1061–7

Relationship between in vivo and in vitro 17 alpha-hydroxylase and C17,20-lyase activity in ovaries of immature hypophysectomized rats treated chronically with

human chorionic gonadotropin. Johnson DC, et al. **J Steroid Biochem** 1986 Feb;24(2):637–43

Enhanced androgen production by rabbit adrenocortical cells stimulated chronically with corticotropin: evidence for increased 17 alpha–hydroxylase activity. Kolanowski J, et al. **J Steroid Biochem** 1985 Dec;23(6A):1071–6

Hyperprolactinemia enhances LH–stimulated 4–ene–5 alpha–reductase activity but inhibits LH–induced 17–hydroxylase activity in testes of hypophysectomized immature rats. Nagareda T, et al. **J Steroid Biochem** 1986 Jun;24(6):1199–204

Lack of correlation between hepatic microsomal progesterone 21–hydroxylase activity and the excretion of acidic metabolites in rabbit urine. Senciall IR, et al. **J Steroid Biochem** 1985 Dec;23(6A):1087–9

Evidence that estradiol–2/4–hydroxylase activities in rat hypothalamus and hippocampus differ qualitatively and involve multiple forms of P–450: ontogenetic and inhibition studies. Theron CN, et al. **J Steroid Biochem** 1985 Dec; 23(6A):919–27

An improved assay for cholesterol 7 alpha–hydroxylase activity using phospholipid liposome solubilized substrate. Junker LH, et al. **Lipids** 1985 Oct;20(10):712–8

Studies on a new progesterone–16 alpha–hydroxylating Streptomyces. Ghanem KM, et al. **Microbiol Exp** 1985 Jul–Dec;38(3–4):107–14

Substrate–product relation of 1–hydroxylase activity in primary hyperparathyroidism. LoCascio V, et al. **N Engl J Med** 1985 Oct 31;313(18):1123–5

Catechol estrogen formation by the CNS: regional distribution of estrogen–2/4–hydroxylase activity in rat brain. Weisz J, et al. **Neuroendocrinology** 1986;43(5):543–9

Feeding–induced regulation of cholesterol metabolism: a unified proposal. Hassan AS. **Proc Soc Exp Biol Med** 1986 Jun;182(2):143–50 (52 ref.)

Role of glutathione in the regulation of hepatic cholesterol 7 alpha–hydroxylase, the rate–limiting enzyme of bile acid biosynthesis. Hassan AS, et al. **Steroids** 1984 Oct; 44(4):373–80

Effect of bile acid analogs on 7 alpha–dehydroxylase activity in Eubacterium sp. V.P.I. 12708. Hylemon PB, et al. **Steroids** 1984 Oct;44(4):329–36

[Proliferative and functional activity in the liver of the normal and precancerous rat] Barbason H, et al. **Acta Gastroenterol Belg** 1985 Jul–Aug;48(4):387–91 (Eng. Abstr.) **(Fre)**

[The effects of canrenone K (soldactone) on the adrenocortical steroidogenic enzymes in the bovine adrenal gland] Naganuma H, et al. **Nippon Naibunpi Gakkai Zasshi** 1986 Mar 20;62(3):149–57 (Eng. Abstr.) **(Jpn)**

[Comparison of two kinds of steroid–C17,20 lyase (delta 16–C19–steroid synthetase and 17 alpha–hydroxylase/lyase) activities in pig testicular microsomes] Nakajin S, et al. **Yakugaku Zasshi** 1985 Jul; 105(7):677–84 (Eng. Abstr.) **(Jpn)**

[Pathway of biosynthesis of androstadienone (delta 16–C19–steroid) from pregnenolone catalyzed by pig testicular microsomes] Takahashi M, et al. **Yakugaku Zasshi** 1986 Apr;106(4):343–6 (Eng. Abstr.) **(Jpn)**

[The effect of nutrition on the activity of cholesterol 7–alpha–hydroxylase] Ginter E. **Cesk Fysiol** 1986; 35(3):259–70 **(Slo)**

PHARMACODYNAMICS

Studies on steroid monooxygenase from Cylindrocarpon radicicola ATCC 11011. Oxygenative lactonization of androstenedione to testololactone. Itagaki E. **J Biochem (Tokyo)** 1986 Mar;99(3):825–32

STEROID ISOMERASES see under **ISOMERASES**

STEROID MONOOXYGENASES see **STEROID HYDROXYLASES**

STEROID RECEPTORS see **RECEPTORS, STEROID**

STEROIDS

Fast atom bombardment and tandem mass spectrometry for structure determination of steroid and flavonoid glycosides. Crow FW, et al. **Anal Biochem** 1986 Jun;155(2):286–307

The International Study Group for Steroid Hormones. XII meeting (Rome, 2–4 December 1985). Abstracts. **J Steroid Biochem** 1985;23 Suppl:1S–52S

Steroid abuse by adolescents [letter] Kwasman A. **Pediatrics** 1986 Jul;78(1):186

A convenient isomerization of 6–oxo–3 alpha,5–cyclo–5 alpha–steroids to 6–oxo–delta 2–5 alpha–steroids. Anastasia M, et al. **Steroids** 1985 Jun;45(6):561–4

ADMINISTRATION & DOSAGE

Topical steroid requirement in inflammatory skin conditions. Maurice PD, et al. **Br J Clin Pract** 1985 Nov–Dec; 39(11–12):441–2

Hydrophilic cyclodextrin derivatives enable effective oral administration of steroidal hormones. Pitha J, et al. **J Pharm Sci** 1986 Feb;75(2):165–7

Poly(lactide–co–glycolide) microcapsules for controlled release of steroids. Cowsar DR, et al. **Methods Enzymol** 1985;112:101–16

An improved procedure for the efficient injection of radioactive steroids into mouse embryos. Hochner–Celnikier D, et al. **Teratogenesis Carcinog Mutagen** 1986;6(1):59–67

Randomized trials of high–versus–low–dose steroids in renal transplantation. Does the evidence favor a consensus? Gore SM, et al. **Transplantation** 1986 Mar;41(3):319–27

ADVERSE EFFECTS

The weakness of steroids. Donham J. **Am J Nurs** 1986 Aug; 86(8):917–9

Arthroscopy in steroid–induced osteonecrosis of the knee. Wiedel JD. **Arthroscopy** 1985;1(1):68–72

Steroids, the eye, and general practitioners [letter] **Br Med J [Clin Res]** 1986 Jul 19;293(6540):205

Incidence of inappropriate treatment of herpes simplex keratitis with topical steroids. Claoué CM, et al. **Br Med J [Clin Res]** 1986 May 31;292(6533):1450–1

Hand infection with Mycobacterium chelonei. Lau JH. **Br Med J [Clin Res]** 1986 Feb 15;292(6518):444–5

Use of steroid eye drops in general practice. Lavin MJ, et al. **Br Med J [Clin Res]** 1986 May 31;292(6533):1448–50

Steroids, the eye, and general practitioners [editorial] St Clair Roberts D. **Br Med J [Clin Res]** 1986 May 31; 292(6533):1414–5

Oropharyngeal candidiasis associated with steroid–containing inhalers. Schechtman RL, et al. **NY State Dent J** 1986 Jan; 52(1):24–6

ANALYSIS

Some recent high–performance liquid chromatography assays of steroid hormones and their conjugates. Lukha P, et al. **Biochem Soc Trans** 1985 Dec;13(6):1064–6

Quantification of LDL cholesteryl ester contribution to biliary steroids in the rat. Bhattacharya S, et al. **Biochim Biophys Acta** 1986 May 21;876(3):413–6

Laser desorption/Fourier transform mass spectra of glycoalkaloids and steroid glycosides. Coates ML, et al. **Biomed Environ Mass Spectrom** 1986 A,pr;13(4):199–204

Enzyme labeling of steroids by the N–succinimidyl ester method. Preparation of alkaline phosphatase–labeled antigen for use in enzyme immunoassay. Hosoda H, et al. **Chem Pharm Bull (Tokyo)** 1985 Dec;33(12):5393–8

Bridging phenomena in steroid immunoassays. The effect of bridge length on sensitivity in enzyme immunoassay. Hosoda H, et al. **Chem Pharm Bull (Tokyo)** 1986 May; 34(5):2105–11

Identification of steroidal compounds as acetates in a lysate of "Depressor–I," an antihypertensive phospholipid occurring in acetone–soluble fraction of bovine brain. Takauchi K, et al. **Chem Pharm Bull (Tokyo)** 1985 Apr; 33(4):1334–41

Steroid content of beta–glucuronidase and sulfatase preparations. Graef V, et al. **Clin Chem** 1986 Jul;32(7):1416

Identification of nonecdysteroid steroids in hemolymph of both male and female Astacus leptodactylus (Crustacea) by gas chromatography–mass spectrometry. Ollevier F, et al. **Gen Comp Endocrinol** 1986 Feb;61(2):214–28

Serum and urinary steroids in women athletes. Lukaszewska JH, et al. **J Sports Med Phys Fitness** 1985 Dec;25(4):215–21

Intratesticular unconjugated steroids in elderly men. Vermeulen A, et al. **J Steroid Biochem** 1986 May; 24(5):1079–83

Simple immunoassays for salivary and plasma steroids. Dyas J, et al. **Med Lab Sci** 1986 Jan;43(1):72–83

Localization and distribution of unconjugated steroid hormones in normal placenta at term. Dobashi K, et al. **Placenta** 1985 Sep–Oct;6(5):445–54

[Steroids and their receptors at the ultrastructural level. Problems posed by immunocytochemistry] Morel G. **Ann Pathol** 1986;6(2):103–8 (23 ref.) (Eng. Abstr.) **(Fre)**

[The presence of steroid compounds in therapeutic muds] Aquino RP, et al. **Boll Soc Ital Biol Sper** 1985 Sep 30; 61(9):1261–6 (Eng. Abstr.) **(Ita)**

ANTAGONISTS & INHIBITORS

International symposium on "Hormonal manipulation of cancer: peptides, growth factors and new (anti) steroidal agents." 4–6 June 1986, Rotterdam, The Netherlands. Abstracts. **Eur J Cancer Clin Oncol** 1986 Jun;22(6):711–51

BIOSYNTHESIS

Atrial natriuretic factor regulates steroidogenic responsiveness and cyclic nucleotide levels in mouse Leydig cells in vitro. Pandey KN, et al. **Biochem Biophys Res Commun** 1986 Jul 16;138(1):399–404

Cyclic AMP–independent stimulation of steroidogenesis in Y–1 adrenal tumor cells by antimitotic agents. Sackett DL, et al. **Biochim Biophys Acta** 1986 Sep 19;888(2):163–70

Steroidogenesis in porcine atretic follicles: loss of aromatase activity in isolated granulosa and theca. Maxson WS, et al. **Biol Reprod** 1985 Sep;33(2):495–501

Steroid hormone–producing tumors in man. Freeman DA. **Endocr Rev** 1986 May;7(2):204–20 (111 ref.)

Androgen modulation of follicle–stimulating hormone–induced granulosa cell steroidogenesis in the primate ovary. Harlow CR, et al. **Endocrinology** 1986 Sep; 119(3):1403–5

Relative inactivation of steroidogenic enzyme activities of in vitro vitamin E–depleted human adrenal microsomes by lipid peroxidation. Takayanagi R, et al. **Endocrinology** 1986 Aug;119(2):464–9

Restoration effects of exogenous luteinizing hormone on the testicular steroidogenesis and Leydig cell ultrastructure. Wing TY, et al. **Endocrinology** 1985 Nov;117(5):1779–87

o,p'–DDD (mitotane) treatment for Cushing's syndrome: adrenal drug concentration and inhibition in vitro of steroid synthesis. Touitou Y, et al. **Eur J Clin Pharmacol** 1985; 29(4):483–7

The possible role of protein kinase C and phospholipids in the regulation of steroid production in rat Leydig cells. Themmen AP, et al. **FEBS Lett** 1986 Jul 28;203(2):116–20

Inhibitory effects of danazol on steroidogenesis in cultured human granulosa cells. Olsson JH, et al. **Fertil Steril** 1986 Aug;46(2):237–42

The effects of spironolactone on adrenal steroidogenesis in hirsute women. Serafini P, et al. **Fertil Steril** 1985 Nov; 44(5):595–9

Danazol inhibits steroidogenesis by the human ovary in vivo. Steingold KA, et al. **Fertil Steril** 1986 May;45(5):649–54

Steroidogenic activity in surface epithelium of the human ovary. Rembiszewska A, et al. **Folia Histochem Cytobiol** 1985;23(3):159–63

Steroidogenesis in ovarian cells of the Japanese quail (Coturnix coturnix japonica). Asem E, et al. **Gen Comp Endocrinol** 1985 Dec;60(3):353–60

Circulatory cholesterol as an important source of substrate for piscine ovarian steroidogenesis. Deb S, et al. **Indian J Exp Biol** 1986 Feb;24(2):71–6

Steroid hormone pathways in the pig, with special emphasis on boar odor: a review. Brooks RI, et al. **J Anim Sci** 1986 Mar;62(3):632–45 (107 ref.)

Acute stimulation of steroidogenesis in corpus luteum and adrenal cortex by peptide hormones. Rapid induction of a similar protein in both tissues. Pon LA, et al. **J Biol Chem** 1986 May 15;261(14):6594–9

The role of calcium in steroidogenesis in fetal zone cells of the human fetal adrenal gland. Carr BR, et al. **J Clin Endocrinol Metab** 1986 Oct;63(4):913–7

Adrenal cholesterol esters as substrate source for steroidogenesis. Bisgaier CL, et al. **J Steroid Biochem** 1985 Dec;23(6A):967–74

Analysis of steroid metabolites produced by theca cells from the adult domestic hen. Marrone BL, et al. **J Steroid Biochem** 1985 Sep;23(3):375–8

Effect of ketoconazole (an imidazole antimycotic agent) and other inhibitors of steroidogenesis on cytochrome P450–catalyzed reactions. Nagai K, et al. **J Steroid Biochem** 1986 Jan;24(1):321–3

Lipoproteins and steroid hormone–producing tissues. Gwynne JT, et al. **Methods Enzymol** 1986;129:679–90

Inhibition by adenosine of ACTH–stimulated adenylate cyclase and steroidogenesis in the adrenal cortex. Shima S. **Mol Cell Endocrinol** 1986 Sep;47(1–2):35–42

Stimulatory effects of epidermal growth factor on steroidogenesis in Leydig cells. Verhoeven G, et al. **Mol Cell Endocrinol** 1986 Sep;47(1–2):99–106

The biosynthesis of triterpenoids and steroids. Harrison DM. **Nat Prod Rep** 1985 Dec;2(6):525–60 (434 ref.)

Non–ACTH components of adult human pituitary extracts which stimulate adrenal steroidogenesis. Bateman A, et al. **Neuropeptides** 1986 May–Jun;7(4):381–90

Steroidogenic effects of lipoproteins and 25–hydroxycholesterol on luteal and ovarian cells: a comparison of two pseudopregnant rat models. Kim I, et al. **Proc Soc Exp Biol Med** 1986 Feb;181(2):242–8

Prostacyclin and steroidogenesis in goat ovarian cell types in vitro. Band V, et al. **Prostaglandins** 1986 Mar; 31(3):509–25

Effects of ketoconazole on rat ovarian steroidogenic enzymatic activities. Malozowski S, et al. **Res Commun Chem Pathol Pharmacol** 1986 Jun;52(3):403–6

The role of catecholestrogens in placental steroidogenesis. Barnea ER, et al. **Steroids** 1985 May;45(5):427–32

Effects of ketoconazole on rat testicular steroidogenic enzymatic activities. Malozowski S, et al. **Steroids** 1985 Jul;46(1):659–63

Exogenous steroids alter steroidogenesis in cultured Y–1 adrenal tumor cells by actions preceding cyclic AMP. Mattson MP, et al. **Steroids** 1985 Jul;46(1):619–37

Acidic metabolites. VI. 20 alpha–isosteroids as intermediates in 20 alpha–dihydrosteroid formation. Monder C, et al. **Steroids** 1985 Mar–Apr;45(3–4):375–82

Steroidogenic capabilities of various compartments of rat ovarian follicles in culture. Takahashi H, et al. **Steroids** 1984 Oct;44(4):337–48

Role of cytochromes P–450 in the biosynthesis of steroid hormones. Hall PF. **Vitam Horm** 1985;42:315–68 (144 ref.)

[Effect of aminoglutethimide on steroid biosynthesis] Vermeulen A. **Acta Clin Belg [Suppl]** 1986;2:11–7 (Eng. Abstr.) **(Dut)**

[Effect of immunostimulants of steroidogenesis on the activity of various oxidative enzymes in the adrenal glands and other organs] Zaichik ASh, et al. **Vopr Med Khim** 1986 Mar–Apr;32(2):54–9 (Eng. Abstr.) **(Rus)**

[The biotechnology of steroids] Herz JE. **Bol Estud Med Biol** 1983 Jul–Oct;32(7–8 Suppl 1):229–31 (Eng. Abstr.) **(Spa)**

BLOOD

Serum steroids and success of corticotropin therapy in

infantile spasms. Riikonen R, et al. **Acta Paediatr Scand** 1986 Jul;75(4):598–600

High plasma steroid levels in the squirrel monkey: deficient receptors or metabolism? Siiteri PK. **Adv Exp Med Biol** 1986;196:279–89

Effect of a melatonin-free extract from bovine pineal on plasma and urinary steroids and on serum prolactin in hirsute amenorrheic adolescents. Popa M, et al. **Endocrinologie** 1986 Apr–Jun;24(2):123–7

Total and unbound cortisol-, progesterone-, oestrone- and transcortin-binding activities in sera from patients with myocardial infarction: evidence for differential responses of good and bad prognostic cases. Zouaghi H, et al. **Eur J Clin Invest** 1985 Dec;15(6):365–70

The effect of bromocriptine on gonadotropin and steroid secretion in polycystic ovarian disease. Steingold KA, et al. **J Clin Endocrinol Metab** 1986 May;62(5):1048–51

The effect of infusions of 5 alpha-dihydrotestosterone or estradiol-17 beta on the concentration of some steroids in the human testicular vein and artery. Tamm J, et al. **J Steroid Biochem** 1985 Sep;23(3):373–4

Platelet 3H-imipramine binding and steroid hormones serum concentrations during the menstrual cycle. Poirier MF, et al. **Psychopharmacology (Berlin)** 1986;88(1):86–9

A new partition thin-layer chromatographic method for steroid separations. Brind JL, et al. **Steroids** 1985 Jun; 45(6):565–71

[Interpretation of the blood level of a steroid] Gandar R. **Rev Fr Gynecol Obstet** 1985 Aug–Sep;80(8–9):635–40 (Eng. Abstr.) **(Fre)**

[Stability of steroids in plasma over a 10-year period] Kley HK, et al. **J Clin Chem Clin Biochem** 1985 Dec;23(12):875–8 (Eng. Abstr.) **(Ger)**

[Effect of radiation and drug therapy on the hormonal status of patients with breast cancer, taking into consideration the receptor level of the tumor] Bassalyk LS, et al. **Med Radiol (Mosk)** 1986 Apr;31(4):48–52 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

A fusion method for the preparation of steroid sulfates. Dusza JP, et al. **Steroids** 1985 Mar–Apr;45(3–4):317–23

New steroids with antiprogestational and antiglucocorticoid activities. Neef G, et al. **Steroids** 1984 Oct;44(4):349–72

HISTORY

Durey H. Peterson, Ph.D. Peterson DH. **Steroids** 1985 Jan; 45(1):1–17

ISOLATION & PURIFICATION

Studies on steroids. CCXVI. Separation of bile acid 3-glucuronides by high-performance liquid chromatography. Goto J, et al. **J Chromatogr** 1985 Nov 27;348(1):151–7

Hydrophobic interaction chromatography (HIC) for the separation of protein-bound and free steroids. Application to binding protein and receptor assays. Steimer T, et al. **J Steroid Biochem** 1985 Dec;23(6A):955–65

Preparation of steroid radioligands for ultrafiltration assays by a solid-phase transport globulin method using concanavalin A–Sepharose. Hiramatsu R, et al. **Steroids** 1985 Jan;45(1):73–89

METABOLISM

Steroid profiles in urine and plasma of alcoholics during withdrawal. Cronholm T, et al. **Alcohol** 1985 Sep–Oct; 2(5):677–82

Regulatory effect of copper on rat adrenal cytochrome P-450 and steroid metabolism. Veltman JC, et al. **Biochem Pharmacol** 1986 Sep 1;35(17):2903–9

Effects of ethanol on steroid profiles in the rat testis. Andersson SH, et al. **Biochim Biophys Acta** 1986 Apr 15; 876(2):352–7

Effects of chronic ethanol ingestion on steroid profiles in the rat testis. Andersson SH, et al. **Biochim Biophys Acta** 1986 Apr 15;876(2):358–62

Differential down-regulation and induction responses of testicular steroidogenic cytochromes P-450(sscc) and P-450(C17 alpha) to human choriogonadotropin. Kühn-Velten N, et al. **Biosci Rep** 1986 May;6(5):451–7

Steroid metabolism by cells from human chorion laeve isolated on Percoll gradients. Gibb W, et al. **Can J Physiol Pharmacol** 1986 Feb;64(2):213–7

Presence of C-19 steroids in mammary Shionogi carcinoma (SC 115) in castrated mice. Bélanger A, et al. **Cancer Res** 1985 Dec;45(12 Pt 1):6293–5

Pituitary regulation of cytochrome P-450-mediated metabolism of steroids and xenobiotics in rat liver microsomes. Blanck A, et al. **Carcinogenesis** 1986 Apr; 7(4):575–82

Imprinting of growth hormone secretion, body growth, and hepatic steroid metabolism by neonatal testosterone. Jansson JO, et al. **Endocrinology** 1985 Nov;117(5):1881–9

Neutral steroid metabolites in patients with uraemia and after renal transplantation: a quantitative and qualitative study in body fluids. Ludwig-Köhn H, et al. **Eur J Clin Invest** 1985 Dec;15(6):332–40

Steroid metabolism in isolated rat hepatocytes. Morais JA, et al. **Eur J Drug Metab Pharmacokinet** 1985 Oct–Dec; 10(4):295–307

Steroid metabolism in the testes of the African catfish, Clarias gariepinus (Burchell), during spawning season, under natural conditions and kept in ponds. Schoonen WG, et al. **Gen Comp Endocrinol** 1986 Jan;61(1):40–52

Binding of steroid hormones and anabolic agents to bovine sex-hormone binding globulin. Shrimanker K, et al. **Horm Metab Res** 1985 Sep;17(9):454–7

Blood flow and steroid and nutrient uptake of the gravid uterus and fetus of sows. Reynolds LP, et al. **J Anim Sci** 1985 Oct;61(4):968–74

Patterns of changes in glycoproteins, polypeptides, and steroids in the peritoneal fluid of women during the periovulatory phase of the menstrual cycle. Bouckaert PX, et al. **J Clin Endocrinol Metab** 1986 Feb;62(2):293–9

Primary culture of cells from human chorion laeve: steroid metabolism and properties of cells grown in defined media supplemented with 0.1% or 10% fetal calf serum. Gibb W, et al. **J Clin Endocrinol Metab** 1986 Jun;62(6):1124–9

Abnormal steroid excretion in gestational trophoblastic disease complicated by ovarian theca-lutein cysts. Bevan BR, et al. **J Clin Pathol** 1986 Jun;39(6):627–34

A novel class of inactive steroid-binding sites in female rat liver nuclei. Bechet DM, et al. **J Endocrinol** 1986 Jul; 110(1):27–36

Steroid binding to feather follicles in the chicken. Kovács K, et al. **J Endocrinol** 1986 May;109(2):187–91

Transformation of steroids by algae. Abul-Hajj YJ, et al. **J Nat Prod** 1986 Mar–Apr;49(2):244–8

Percutaneous absorption of steroids: effect of repeated application. Bucks DA, et al. **J Pharm Sci** 1985 Dec; 74(12):1337–9

Bioconversion of steroid glycosides by Nocardia restricta. Belić I, et al. **J Steroid Biochem** 1985 Sep;23(3):323–6

A-ring conformational stability and progesterone-receptor binding affinity of 4-en-3-one steroids. Bohl M, et al. **J Steroid Biochem** 1985 Dec;23(6A):895–900

Extraction of a steroid transport system from Pseudomonas testosteroni membranes and incorporation into synthetic liposomes. Francis MM, et al. **J Steroid Biochem** 1985 Oct; 23(4):523–8

Steroid metabolizing enzymes associated with the microvillar membrane of human placenta. Guller S, et al. **J Steroid Biochem** 1986 May;24(5):935–44

Steroid binding to the cytosolic estrogen receptor from rat uterus. Influence of the orientation of substituents in the 17-position of the 8 beta- and 8 alpha-series. Kaspar P, et al. **J Steroid Biochem** 1985 Sep;23(3):259–65

Ovarian metabolic pathways of steroid biosynthesis in the European eel (Anguilla anguilla L.) at the silver stage. Querat B, et al. **J Steroid Biochem** 1986 Apr;24(4):899–907

Effect of trilostan on steroid excretion in man: compensated inhibition of 3 beta-hydroxysteroid dehydrogenase. Vierhapper H, et al. **J Steroid Biochem** 1986 Feb; 24(2):577–80

Steroid–protein interactions II. Westphal U. **Monogr Endocrinol** 1986;27:1–603

In vitro binding of steroid hormones by natural and purified fibers. Shultz TD, et al. **Nutr Cancer** 1986;8(2):141–7

Freezing affects the activity and subcellular distribution profile of human placental xenobiotic- and steroid-metabolizing enzymes. Pasanen M, et al. **Placenta** 1985 Nov–Dec;6(6):527–35

Intratesticular steroid levels and their hormonal control. Kim P, et al. **Steroids** 1985 Mar–Apr;45(3–4):235–45

[Hydroxylation of steroids in a dienzyme system consisting of cytochrome P-450 and immobilized adrenodoxin] Bespalov IA, et al. **Bioorg Khim** 1986 Apr;12(4):565–8 (Eng. Abstr.) **(Rus)**

[Steroid levels and androgen receptors in skeletal muscles during adaptation to physical effort] Chalkovskiĭ VS, et al. **Vopr Med Khim** 1985 Nov–Dec;31(6):80–6 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Steroid hormone resistance. Mechanisms and clinical aspects. **Adv Exp Med Biol** 1986;196:1–439

Studies of the inactivation of human placental aromatase by 17 alpha-ethynyl-substituted 10 beta-hydroperoxy and related 19-nor steroids. Covey DF, et al. **Biochem Pharmacol** 1986 May 15;35(10):1671–4

Mechanism and kinetic characteristics of the uncoupling by plant steroids of biliary cholesterol from bile salt output. Ulloa N, et al. **Biochim Biophys Acta** 1985 Nov 14; 837(2):181–9

Effects of steroid hormones and antisteroids on alkaline phosphatase activity in human endometrial cancer cells (Ishikawa line). Holinka CF, et al. **Cancer Res** 1986 Jun; 46(6):2771–4

Ultrastructure of the mandibular organ of the shrimp, Penaeus japonicus, in untreated and experimentally manipulated individuals. Taketomi Y, et al. **Cell Biol Int Rep** 1985 Dec;9(12):1069–74

Mephenytoin hydroxylase activity in human liver: inhibition by steroids. Jurima M, et al. **Drug Metab Dispos** 1985 Nov–Dec;13(6):746–9

Modulation of aromatase activity in human endometrial stromal cells by steroids, tamoxifen and RU 486. Tseng L, et al. **Endocrinology** 1986 Apr;118(4):1312–8

Absence of a genotoxic response from steroids in the rat primary hepatocyte unscheduled DNA synthesis assay. Oshiro Y, et al. **Environ Mutagen** 1986;8(3):461–5

Interactions of steroids with prolactin secretion in vitro. Lamberts SW. **Horm Res** 1985;22(3):172–8

Effect of steroid treatment on serum glycoproteins of alloxan-diabetic rats in inflammation. Kaur R, et al. **Indian J Exp Biol** 1985 Aug;23(8):429–32

New questions about steroids. Finch CE. **J Am Geriatr Soc** 1986 May;34(5):393–4

Steroid inhibitory effects upon human adrenal 3 beta-hydroxysteroid dehydrogenase activity. Byrne GC, et al. **J Clin Endocrinol Metab** 1986 Feb;62(2):413–8

Regulation of the activities of 17-hydroxylase and 17,20-desmolase in the human adrenal cortex: kinetic analysis and inhibition by endogenous steroids. Couch RM, et al. **J Clin Endocrinol Metab** 1986 Sep;63(3):613–8

Antiandrogenic activity of a series of des-A-steroid derivatives. Morales-Alanis H, et al. **J Med Chem** 1985 Dec;28(12):1796–803

Hormonal steroids indirectly influence insulin binding in rat testis. Abelé V, et al. **J Recept Res** 1985;5(4):219–30

Influence of steroids and retinoic acid on peanut-lectin binding of human breast cancer cells. Daxenbichler G, et al. **J Steroid Biochem** 1986 Jan;24(1):119–24

Expression of Ia and the production of interleukin 1 by peritoneal exudate macrophages activated in vivo by steroids. Flynn A. **Life Sci** 1986 Jun 30;38(26):2455–60

The mediators of steroid action [news] Flower RJ. **Nature** 1986 Mar 6–12;320(6057):20

A new class of steroids inhibits angiogenesis in the presence of heparin or a heparin fragment. Crum R, et al. **Science** 1985 Dec 20;230(4732):1375–8

The effects of various steroids on testosterone metabolism by the sexually mature rabbit epididymis. Danzo BJ, et al. **Steroids** 1984 Nov;44(5):435–45

Structural requirements for steroid inhibition of sheep lymphocyte mitogenesis in vitro. Staples LD, et al. **Steroids** 1984 Nov;44(5):419–33

Effect of some synthetic steroids on rat liver function. Yuen EH, et al. **Steroids** 1985 Jan;45(1):53–72 (62 ref.)

Molecular mechanics investigation on conformational flexibility of 14 beta steroids in drug–receptor interactions. Bohl M, et al. **Z Naturforsch [C]** 1986 Mar;41(3):297–300

[Effect of steroids on the biosynthesis of plasminogen activators] Hoffmann A, et al. **Folia Haematol (Leipz)** 1986; 113(1–2):212–22 (Eng. Abstr.) **(Ger)**

[Effect of some steroid hormones on the growth of Trichomonas vaginalis] Martinotti MG, et al. **G Batteriol Virol Immunol** 1985 Jan–Jun;78(1–6):52–9 (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

Molecular actions of steroid hormones. O'Malley BW, et al. **Adv Exp Med Biol** 1986;196:1–10 (43 ref.)

Hypothesis: menstruation is a steroid-regulated, cyclic, autoimmune process. Hertz R. **Am J Obstet Gynecol** 1986 Aug;155(2):374–5

Proceedings of a conference on steroid hormones as trophic agents in neural development. UCLA, October 9 & 10, 1984. **J Neurobiol** 1986 May;17(3):131–267

Recent advances in steroid biochemistry. Proceedings of the Seventh International Symposium of the Journal of Steroid Biochemistry. Seefeld, Tyrol, Austria, 9–12 June 1985. **J Steroid Biochem** 1986 Jan;24(1):1–333

Abstracts of the VII International Congress on Hormonal Steroids. Madrid, Spain, 21–26 September, 1986. **J Steroid Biochem** 1986;25 Suppl:1S–142S

Studies on follicular atresia: role of tropic hormone and steroids in regulating cathepsin-D activity of preantral follicles of the immature rat. Dhanasekaran N, et al. **Mol Cell Endocrinol** 1986 Jan;44(1):77–84

The increase of anterior pituitary dopamine in aging C57BL/6J female mice is caused by ovarian steroids, not intrinsic pituitary aging. Telford N, et al. **Neuroendocrinology** 1986;43(2):135–42

Steroids may influence changes in mood [news] Barnes DM. **Science** 1986 Jun 13;232(4756):1344–5

[Cytoreceptors in the molecular mechanisms of hormone action] Rozen VB. **Probl Endokrinol (Mosk)** 1985 Sep–Oct; 31(5):21–6 (Eng. Abstr.) **(Rus)**

SECRETION

Chronological changes in fertility, fecundity and steroid hormone secretion during consecutive pregnancies in aging rats. Matt DW, et al. **Biol Reprod** 1986 Apr;34(3):478–87

The immature rat ovary is innervated by vasoactive intestinal peptide (VIP)-containing fibers and responds to VIP with steroid secretion. Ahmed CE, et al. **Endocrinology** 1986 Apr;118(4):1682–9

Possible abnormalities of steroid secretion in children with Smith-Lemli-Opitz syndrome and their parents. Chasalow FI, et al. **Steroids** 1985 Oct–Nov;46(4–5):827–43

THERAPEUTIC USE

Dermatosis in magnesium-deficient hairless rats: effects of steroidal and non-steroidal anti-inflammatory drugs. Barbier A, et al. **Agents Actions** 1986 Jan;17(3–4):352–4

Steroids: a surgeon's view. Smith JA. **Arch Emerg Med** 1985 Sep;2(3):131–6 (27 ref.)

Ankylosing spondylitis and steroid therapy [letter] Umeki S, et al. **Arch Intern Med** 1986 May;146(5):1025

Steroids, the eye and general practitioners [letter] **Br Med J [Clin Res]** 1986 Jun 28;292(6537):1737–8

Systemic steroids in chronic severe asthma [editorial] Lewis

LD, et al. **Br Med J [Clin Res]** 1986 May 17; 292(6531):1289–90

Therapeutic effects of nandrolone decanoate, tibolone, lynestrenol and ethylestrenol on Sjögren's syndrome-like disorder in NZB/W mice. Verheul HA, et al. **Clin Exp Immunol** 1986 May;64(2):243–8

Sarcoidosis in ENT practice. Milton CM. **Clin Otolaryngol** 1985 Dec;10(6):351–5

Psoriasis: how to relieve symptoms in older patients. Shelley ED, et al. **Geriatrics** 1986 Aug;41(8):71–4, 77–80

Greater trochanteric pain syndrome. A report of 15 cases. Karpinski MR, et al. **J Bone Joint Surg [Br]** 1985 Nov; 67(5):762–3

Steroid therapy and nitrogen excretion in head injury [letter] Deutschman CS, et al. **J Neurosurg** 1986 Aug;65(2):266–7

Pro steroids for systemic antifibrinolytic treatment for traumatic hyphema. Romano PE. **J Pediatr Ophthalmol Strabismus** 1986 Mar–Apr;23(2):92–5

Efficacy of cyclophosphamide in steroid-sensitive childhood nephrotic syndrome with different morphological lesions. Tejani A, et al. **Nephron** 1985;41(2):170–3

Listeria meningitis complicating treatment of myasthenia gravis with azathioprine and steroids [letter] Kern RZ, et al. **Neurology** 1986 Jul;36(7):1011–2

Effect of a blood transfusion protocol and low dose steroid regime on renal transplant survival. Notghi A, et al. **Scott Med J** 1986 Apr;31(2):94–8

Blood eosinophilia, steroids, and rejection. Lautenschlager I, et al. **Transplantation** 1985 Oct;40(4):354–7

URINE

Urinary excretion rates of 13 free steroids: potential utility in differential diagnosis of Cushing's syndrome. Schöneshöfer M, et al. **Clin Chem** 1986 Jan;32(1 Pt 1):93–6

Urinary steroid profiles in pregnancy by capillary column gas chromatography. Hähnel E, et al. **Clin Chim Acta** 1985 Oct 15;151(3):259–71

CCXVII. Separation and characterization of bile acid 3-glucuronides in human urine by high-performance liquid chromatography. Goto J, et al. **J Chromatogr** 1985 Dec 13;345(2):241–50

Profiling steroid hormones and urinary steroids. Shackleton CH. **J Chromatogr** 1986 Jun 20;379:91–156 (237 ref.)

The role of steroid metabolic profiling as an aid in the diagnosis of familial precocious puberty, a subgroup of true precocious puberty. Pike AW, et al. **J Inherited Metab Dis** 1986;9(2):147–55

Monitoring gonadotropin-releasing hormone administration by measurement of urinary steroid conjugates. De Vane GW, et al. **Obstet Gynecol** 1986 May;67(5):710–7

STEROIDS, BROMINATED

Stereoselective hydrolysis of 16 alpha-halo-17-keto steroids and long-range substitution effects on the hydrolysis of 16 alpha-bromo-17-ketones and 2 alpha-bromo-3-ketones. Numazawa M, et al. **Steroids** 1985 May;45(5):403–10

STEROIDS, CHLORINATED

Stereoselective hydrolysis of 16 alpha-halo-17-keto steroids and long-range substitution effects on the hydrolysis of 16 alpha-bromo-17-ketones and 2 alpha-bromo-3-ketones. Numazawa M, et al. **Steroids** 1985 May;45(5):403–10

STEROIDS, FLUORINATED

ADVERSE EFFECTS

[Gluteal granuloma in an infant] Bruckner-Tuderman L. **Hautarzt** 1986 Jun;37(6):347–9 (Eng. Abstr.) **(Ger)**

ANALYSIS

Bis-trifluoromethylbenzoyl derivatives for steroid analysis by gas chromatography electron capture negative ion chemical ionisation mass spectrometry. Murray S, et al. **J Steroid Biochem** 1986 Aug;25(2):255–60

STEROIDS, HETEROCYCLIC

Reaction of some antiinflammatory 17 beta-(2-aminooxazol-4-yl) steroids with hydrogen peroxide. Synthesis of steroid-17-spiro-5'-oxazolidine-2',4'-diones. Rapi G, et al. **Steroids** 1985 Jul;46(1):665–76

PHARMACODYNAMICS

Effects of an azasteroid on growth, development and reproduction of the free-living nematodes Caenorhabditis briggsae and Panagrellus redivivus. Bottjer KP, et al. **Comp Biochem Physiol [B]** 1985;82(1):99–106

The effects of diethyl-4-methyl-3-oxo-4-aza-5 alpha-androstane-17 beta-carboxamide (4-MA) and (4R)-5,10-SECO-19-norpregna-4,5-diene-3,10,20-trione (SECO) on androgen biosynthesis in the rat testis and epididymis. Cooke GM, et al. **J Steroid Biochem** 1986 Apr; 24(4):877–86

THERAPEUTIC USE

Treatment of hirsutism with 5 alpha-reductase inhibitors. Brooks JR. **Clin Endocrinol Metab** 1986 May;15(2):391–405 (75 ref.)

STEROLS

Papers from the H.W. Kircher Memorial Symposium on chemistry biosynthesis and function of sterols. 76th AOCS (American Oil Chemists' Society) annual meeting. Philadelphia, Pennsylvania, May 1985. **Lipids** 1986 Jan; 21(1):26–106

ANALYSIS

Lipid content and ESR determination of plasma membrane order parameter in Candida albicans sterol mutants. Pesti M, et al. **Acta Microbiol Hung** 1985;32(4):305–13

Long-term effect of wholemeal bread on stool weight, transit time, fecal bile acids, fats, and neutral sterols. Eastwood MA, et al. **Am J Clin Nutr** 1986 Mar;43(3):343–9

Sterol composition and biosynthesis in mouse salivary glands. Hindy AM, et al. **Arch Oral Biol** 1986;31(2):87–93

Multiple functions for sterols in Saccharomyces cerevisiae. Rodriguez RJ, et al. **Biochim Biophys Acta** 1985 Dec 4; 837(3):336–43

Cholesterol precursor sterols, plant sterols, and cholestanol in human bile and gallstones. Miettinen TA, et al. **Gastroenterology** 1986 Apr;90(4):858–64

Fecal bile acids and neutral sterols in rats with spontaneous colon cancer. Hayashi E, et al. **Int J Cancer** 1986 Apr 15; 37(4):629–32

Gas chromatographic determination of fatty acids and sterols in orange juice. Stack JB, et al. **J Assoc Off Anal Chem** 1986 May–Jun;69(3):551–6

Methyl sterol and cyclopropane fatty acid composition of Methylococcus capsulatus grown at low oxygen tensions. Jahnke LL, et al. **J Bacteriol** 1986 Jul;167(1):238–42

Bile acids. LXXVI. Analyses of bile acids and sterols by high-performance liquid chromatography with a microbore column. Patrick PH, et al. **J Chromatogr** 1985 Oct 25;347(1):155–62

Localization and hormonal regulation of the non-specific lipid transfer protein (sterol carrier protein2) in the rat testis. van Noort M, et al. **J Endocrinol** 1986 Jun; 109(3):R13–6

Accumulation of 14-methyl sterols and defective hyphal growth in Candida albicans. Shimokawa O, et al. **J Med Vet Mycol** 1986 Aug;24(4):327–36

Sterols of Echinostoma revolutum (Trematoda) adults. Chitwood DJ, et al. **J Parasitol** 1985 Dec;71(6):846–7

Fecal neutral sterols in omnivorous and vegetarian women. Korpela JT, et al. **Scand J Gastroenterol** 1985 Dec; 20(10):1180–4

Minor and trace sterols in marine invertebrates 53 (1): Further novel marine sterols resulting from triple and quadruple biomethylation of the cholesterol side-chain. Ha TB, et al. **Steroids** 1985 Mar–Apr;45(3–4):263–76

The surface membrane of Leishmania mexicana mexicana: comparison of amastigote and promastigote using freeze-fracture cytochemistry. Tetley L, et al. **Z Parasitenkd** 1986;72(3):281–92

[Sterol composition in yeast strains sensitive and resistant to nystatin] Moselchuk AV, et al. **Prikl Biokhim Mikrobiol** 1985 Sep–Oct;21(5):631–3 (Eng. Abstr.) **(Rus)**

[Changes in the sterol content of soybean oil after its thermal processing] Garbuzov AG, et al. **Vopr Pitan** 1986 Mar–Apr; (2):67–9 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Effect of ketoconazole in combination with other inhibitors of sterol synthesis on fungal growth. Sud IJ, et al. **Antimicrob Agents Chemother** 1985 Oct;28(4):532–4

Effects of ketoconazole on sterol biosynthesis by Trypanosoma cruzi epimastigotes. Beach DH, et al. **Biochem Biophys Res Commun** 1986 May 14;136(3):851–6

Sterol biosynthesis de nova via cycloartenol by the soil amoeba Acanthamoeba polyphaga. Raederstorff D, et al. **Biochem J** 1985 Nov 1;231(3):609–15

Cycloheximide sensitivity in regulation of acyl coenzyme A:cholesterol acyltransferase activity in Chinese hamster ovary cells. 2. Effect of sterol endogenously synthesized. Chang CC, et al. **Biochemistry** 1986 Apr 8;25(7):1700–6

CS-514, a competitive inhibitor of 3-hydroxy-3-methylglutaryl coenzyme A reductase: tissue-selective inhibition of sterol synthesis and hypolipidemic effect on various animal species. Tsujita Y, et al. **Biochim Biophys Acta** 1986 Jun 11;877(1):50–60

Fed-batch cultivation of Saccharomyces cerevisiae with increased content of delta 5,7-sterols. Běhalová B, et al. **Folia Microbiol (Praha)** 1986;31(2):129–37

Modulation of regulatory oxysterol formation and low density lipoprotein suppresion of 3-hydroxy-3-methylglutaryl coenzyme A (HMG-CoA) reductase activity by ketoconazole. A role for cytochrome P-450 in the regulation of HMG-CoA reductase in rat intestinal epithelial cells. Gupta A, et al. **J Biol Chem** 1986 Jun 25;261(18):8348–56

Effects of adrenergic antihypertensive drugs on sterol synthesis in freshly isolated human mononuclear leukocytes. Krone W, et al. **J Cardiovasc Pharmacol** 1985 Nov–Dec;7(6):1134–7

Absolute rates of sterol synthesis estimated from [3H]water for bovine lens epithelial cells in culture. Hitchener WR, et al. **J Lipid Res** 1985 Dec;26(12):1455–63

Rates of sterol synthesis in the liver and extrahepatic tissues of the SHR/N-corpulent rat, an animal with hyperlipidemia and insulin-independent diabetes. Turley SD, et al. **J Lipid Res** 1986 May;27(5):486–96

Obligatory relationship between the sterol biosynthetic pathway and DNA synthesis and cellular proliferation in glial primary cultures. Langan TJ, et al. **J Neurochem** 1986 Apr;46(4):1283–91

An essential fungal growth factor derived from ergosterol: a new end product of sterol biosynthesis in fungi? Parks LW, et al. **Lipids** 1986 Jan;21(1):89–91

Effects of ketoconazole on sterol biosynthesis by Leishmania mexicana mexicana amastigotes in murine macrophage tumor cells. Berman JD, et al. **Mol Biochem Parasitol** 1986 Jul;20(1):85–92

Mevalonic aciduria—an inborn error of cholesterol and nonsterol isoprene biosynthesis. Hoffmann G, et al. **N Engl J Med** 1986 Jun 19;314(25):1610–4

BLOOD

Fatty acid composition of individual plasma steryl esters in phytosterolemia and xanthomatosis. Kuksis A, et al. **Lipids** 1986 Jun;21(6):371–7

CHEMICAL SYNTHESIS

Oxysterols: chemical synthesis, biosynthesis and biological activities. Parish EJ, et al. **Lipids** 1986 Jan;21(1):27–30

GENETICS

[Yeast resistance to polyene antibiotics. IV. A study of the inheritance of changes in the sterol composition of Saccharomyces cerevisiae yeasts caused by mutations of nystatin resistance] Mikhallova NP, et al. **Genetika** 1985 Jul;21(7):1111–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Distribution of intramembranous particles and filipin-sterol complexes in mouse sperm membranes: polyene antibiotic filipin treatment. Toshimori K, et al. **Am J Anat** 1985 Dec; 174(4):455–70

Sterol excretion and cholesterol absorption in diabetics and nondiabetics with and without hyperlipidemia. Briones ER, et al. **Am J Clin Nutr** 1986 Sep;44(3):353–61

Filipin-sterol complexes in the plasma membrane of zebrafish spermatozoa. Kessel RG, et al. **Anat Rec** 1985 Aug; 212(4):358–63

Influence of bezafibrate on plasma lipoproteins, biliary lipids and fecal sterols in healthy men. Kohlmeier M, et al. **Atherosclerosis** 1986 Apr;60(1):29–35

Characterization of oxysterol-binding protein in rat embryo fibroblasts and variations as a function of the cell cycle. Besème F, et al. **Biochim Biophys Acta** 1986 Apr 8; 886(1):96–108

The non-specific lipid transfer protein (sterol carrier protein 2) from rat and bovine liver. van Amerongen A, et al. **Chem Phys Lipids** 1985 Aug 30;38(1–2):195–204

Changes in sterol and phospholipid fatty acid composition in Refsum's disease fibroblasts grown in the presence of phytol. Friedman KJ, et al. **Clin Physiol Biochem** 1985; 3(5):249–56

Effect of clomiphene on the content of sterols and fatty acids in Saccharomyces cerevisiae. Rezanka T, et al. **Folia Microbiol (Praha)** 1985;30(6):501–5

Microbial side-chain degradation of sterols. Kieslich K. **J Basic Microbiol** 1985;25(7):461–74 (63 ref.)

Effect of sterol structure on the partition of sterol between phospholipid vesicles of different composition. Rujanavech C, et al. **J Biol Chem** 1986 Jun 5;261(16):7215–9

Lethal atherosclerosis associated with abnormal plasma and tissue sterol composition in sitosterolemia with xanthomatosis. Salen G, et al. **J Lipid Res** 1985 Sep; 26(9):1126–33

Absence of sterol-specific complexes at active zones of degenerating and regenerating frog neuromuscular junctions. Ko CP, et al. **J Neurocytol** 1986 Apr;15(2):231–40

Effects of dietary triglycerides on serum and liver lipids and sterol excretion of rats. Clifford AJ, et al. **J Nutr** 1986 Jun;116(6):944–56

Evidence for facilitated transport in the absorption of sterols by Saccharomyces cerevisiae. Nes WR, et al. **Lipids** 1986 Jan;21(1):102–6

Effect of host insect sterols on the development and sterol composition of Steinernema feltiae. Morrison AH, et al. **Mol Biochem Parasitol** 1986 May;19(2):135–42

Effect of oxiconazole and Ro 14-4767/002 on sterol pattern in Candida albicans. Polak-Wyss A, et al. **Sabouraudia** 1985 Dec;23(6):433–41

[Effect of sterol metabolism in the yeast-Drosophila system on the frequency of radiation-induced aneuploidy in Drosophila melanogaster oocytes] Savitskil VV, et al. **Genetika** 1985 Jul;21(7):1135–42 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Regulation of 3-hydroxy-3-methylglutaryl coenzyme A reductase activity in human fibroblasts by reversible phosphorylation: modulation of enzymatic activity by low density lipoprotein, sterols, and mevalonolactone. Beg ZH, et al. **Arch Biochem Biophys** 1986 Jan;244(1):310–22

Oxidized sterols inhibit the formation of podophyllin-induced

metaphase figures in mouse vaginal epithelia. Gaspari AA, et al. **Arch Dermatol Res** 1985;277(6):478–83
Effects of sterols on the therapeutic efficacy of liposomal amphotericin B in murine candidiasis. Lopez-Berestein G, et al. **Cancer Drug Deliv** 1983;1(1):37–42
Inhibitory effect of 15-oxygenated sterols on cholesterol synthesis from 24,25-dihydrolanosterol. Morisaki M, et al. **J Biochem (Tokyo)** 1986 Feb;99(2):597–600
Influence of sterol structure on phospholipid phase behavior as detected by parinaric acid fluorescence spectroscopy. Rujanavech C, et al. **J Biol Chem** 1986 Jun 5; 261(16):7204–14
LM cell growth and membrane lipid adaptation to sterol structure. Rujanavech C, et al. **J Biol Chem** 1986 Jun 5; 261(16):7196–203

STEVENS–JOHNSON SYNDROME

Stevens–Johnson syndrome. A review of 34 cases. Ting HC, et al. **Int J Dermatol** 1985 Nov;24(9):587–91

CHEMICALLY INDUCED

Stevens–Johnson syndrome. Bryant BG, et al.
Drug Intell Clin Pharm 1986 Jun;20(6):489–93
Stevens–Johnson syndrome and toxic epidermal necrolysis in a patient with systemic lupus erythematosus [letter] Burge SM, et al. **J Am Acad Dermatol** 1985 Oct;13(4):665–6
Acute disseminated epidermal necrosis types 1, 2, and 3: study of sixty cases. Ruiz-Maldonado R.
J Am Acad Dermatol 1985 Oct;13(4):623–35
Dilantin-induced erythema multiforme major: report of a case with liver and kidney involvement. Tucker MS, et al. **J Am Osteopath Assoc** 1985 Aug;85(8):511–4
Fatal Stevens–Johnson syndrome associated with Fansidar and chloroquine. Bamber MG, et al. **J Infect** 1986 Jul; 13(1):31–3
Without a quarterback—you lose! Avery JK.
J Tenn Med Assoc 1985 Dec;78(12):764
Stevens–Johnson syndrome during an immunosuppressive therapy with cyclophosphamide and prednisone. Leititis JU, et al. **Klin Padiatr** 1985 Sep–Oct;197(5):441–2
Stevens–Johnson syndrome after mass prophylaxis with sulfadoxine for cholera in Mozambique [letter] Hernborg A. **Lancet** 1985 Nov 9;2(8463):1072–3
Stevens–Johnson syndrome and fatal pulmonary toxicity to combination chemotherapy containing bleomycin: a case report. Giaccone G, et al. **Tumori** 1986 Jun 30;72(3):331–3
[Lyell's syndrome and ectodermosis pluriorificialis during treatment with oxicams: 11 cases] Guillaume JC, et al.
Ann Dermatol Venereol 1985;112(10):807–12 (Eng. Abstr.) (Fre)
[A case of double malignant neoplasms with posthepatitis aplastic anemia and Stevens-Johnson-like syndrome induced by drugs] Hosokawa T, et al. **Rinsho Ketsueki** 1985 Jun;26(6):936–42 (Eng. Abstr.) (Jpn)
[Malaria prevention with Fansidar as a cause of Stevens–Johnson syndrome] Claréus BW, et al.
Lakartidningen 1985 Nov 27;82(48):4211 (Swe)

COMPLICATIONS

Case report: psychosis with Stevens–Johnson syndrome and toxic epidermal necrolysis. de Rego JA, et al.
Hillside J Clin Psychiatry 1985;7(2):141–8

DIAGNOSIS

[Early severe ophthalmological complications in Stevens–Johnson syndrome] Hachet E, et al.
Bull Soc Ophtalmol Fr 1985 Jan;85(1):125–7 (Eng. Abstr.) (Fre)

ETIOLOGY

Stevens–Johnson syndrome due to Mycoplasma pneumoniae in an adult. Kalb RE, et al. **Am J Med** 1985 Oct;79(4):541–4
Stevens–Johnson syndrome associated with psittacosis [letter] South M, et al. **J Infect** 1985 Sep;11(2):173
[Stevens–Johnson syndrome in 2 children with acute renal failure] Zoch-Zwierz W, et al. **Wiad Lek** 1986 May 1; 39(9):615–8 (Eng. Abstr.) (Pol)
[Stevens–Johnson syndrome associated with Mycoplasma pneumoniae infection (letter)] Verdejo Ortés J, et al.
Rev Clin Esp 1986 Mar;178(5):247–8 (Spa)

MICROBIOLOGY

Stevens–Johnson syndrome with isolation of Mycoplasma pneumoniae from skin lesions. Meseguer MA, et al.
Eur J Clin Microbiol 1986 Apr;5(2):167–8

PATHOLOGY

Gastrointestinal involvement complicating Stevens–Johnson syndrome. Zweiban B, et al. **Gastroenterology** 1986 Aug; 91(2):469–74

THERAPY

Management of Stevens–Johnson syndrome. Crosby SS, et al. **Clin Pharm** 1986 Aug;5(8):682–9
High-dose i.v. 7S immunoglobulin treatment in Stevens–Johnson syndrome [letter] Cazzola G, et al.
Helv Paediatr Acta 1986 May;41(1–2):87–8

STICKLEBACKS see under **FISHES**

STIFLE see under **HINDLIMB**

STIGMASTEROL see under **PHYTOSTEROLS**

STIGMATIZATION see **CHRISTIANITY**

STILBENES

Selective neuronal uptake of 4-acetamido-4'-isothiocyanostilbene-2,2'-disulfonic acid (SITS) and other related substituted stilbenes in vivo: a fluorescent whole cell staining technique. Schmued LC, et al. **Brain Res** 1985 Oct 28;346(1):124–9
Monoclonal antibodies against human erythrocyte band 3 protein. Localization of proteolytic cleavage sites and stilbenedisulfonate-binding lysine residues. Jennings ML, et al. **J Biol Chem** 1986 Jul 5;261(19):9002–10

ADVERSE EFFECTS

[Postnatal effects of intrauterine chemical stress] Royer P.
Arch Fr Pediatr 1985 May;42(5):343–4 (Fre)

ANALYSIS

False-positive results in the radioimmunoassay detection of stilbene derivatives after administration of fluorinated corticosteroids to animals. Brunn H, et al.
Food Chem Toxicol 1985 Oct;23(10):931–5

BLOOD

Temperature dependence of anion transport inhibitor binding to human red cell membranes. Posner RG, et al.
Biophys Chem 1985 Nov;23(1–2):139–45

CHEMICAL SYNTHESIS

The reduction of aromatic nitro compounds with Zn/Cu. A new synthesis of N-acetoxy-N-acetyl-arylamines. Franz R, et al. **Carcinogenesis** 1986 Jan;7(1):183–4

METABOLISM

Selective inhibition and selective induction of multiple microsomal epoxide hydrolases. Guenthner TM.
Biochem Pharmacol 1986 Mar 1;35(5):839–45
Multiple epoxide hydrolases in human lung. Guenthner TM, et al. **Drug Metab Dispos** 1986 Mar–Apr;14(2):208–13
Pyrimidinones. 3. N-substituted 6-phenylpyrimidinones and pyrimidinediones with diuretic/hypotensive and antiinflammatory activity. Skulnick HI, et al.
J Med Chem 1986 Aug;29(8):1499–504
Binding of chloride and a disulfonic stilbene transport inhibitor to red cell band 3. Dix JA, et al.
J Membr Biol 1986;89(3):211–23

PHARMACODYNAMICS

Sensitivity of rat renal luminal and contraluminal sulfate transport systems to DIDS. Bästlein C, et al.
Am J Physiol 1986 Feb;250(2 Pt 2):F226–34
Concentration-dependent effects of disulfonic stilbenes on colonic chloride transport. Smith PL, et al.
Am J Physiol 1986 Jan;250(1 Pt 1):G44–9
Effects of 4,4'-diisothiocyano-2,2'-stilbene disulphonic acid and amiloride on salivary secretion by isolated, perfused rat submandibular glands. Martinez JR, et al.
Arch Oral Biol 1985;30(11–12):797–803
Structure–activity relationships of calmodulin antagonism by triphenylethylene antiestrogens. Barrera G, et al.
Biochem Pharmacol 1986 Sep 1;35(17):2984–6
Effects of stilbene derivatives on arachidonate metabolism in leukocytes. Kimura Y, et al. **Biochim Biophys Acta** 1985 Nov 14;837(2):209–12
Relation between red cell anion exchange and urea transport. Toon MR, et al. **Biochim Biophys Acta** 1985 Dec 19; 821(3):502–4
Isomers of broparoestrol and antiestrogen action: comparison with tamoxifen. Edery M, et al. **Biomed Pharmacother** 1985; 39(6):326–30
Effect of disulfonic stilbene anion-channel blockers on the guinea-pig myocardium. Minocherhomjee AM, et al.
Can J Physiol Pharmacol 1985 Aug;63(8):912–7
The biological activities of 3,4-O-isopropylidene-3,3'4,5'-tetrahydroxystilbene. Inamori Y, et al. **Chem Pharm Bull (Tokyo)** 1985 Jul; 33(7):2904–9
Differentiation inducers of human promyelocytic leukemia cells HL-60. Azobenzenecarboxylic acids and stilbenecarboxylic acids. Kagechika H, et al.
Chem Pharm Bull (Tokyo) 1985 Dec;33(12):5597–600
Effects of the anion transport inhibitor, SITS, on the proximal straight tubule of the rabbit perfused in vitro. Biagi BA.
J Membr Biol 1985;88(1):25–31
Triphenylethylenes: a new class of protein kinase C inhibitors. O'Brian CA, et al. **JNCI** 1986 Jun;76(6):1243–6

URINE

Identification of anabolic stilbene derivatives in bovine urine by high-performance liquid chromatography and off-line chemiluminescent immunochemical detection. Van den Berg RH, et al. **J Chromatogr** 1986 Jun 25;360(2):449–51

STILBESTROL see **DIETHYLSTILBESTROL**

STILLBIRTH see **FETAL DEATH**

STILL'S DISEASE see **ARTHRITIS, JUVENILE RHEUMATOID**

STIMULATION, ACOUSTIC see **ACOUSTIC STIMULATION**

STIMULATION, CHEMICAL

see related
ENZYME INDUCTION

STIMULATION, ELECTRIC see **ELECTRIC STIMULATION**

STIMULATION, PHOTIC see **PHOTIC STIMULATION**

STIMULATION, PHYSICAL see **PHYSICAL STIMULATION**

STINGS see **BITES AND STINGS**

STIPPLED EPIPHYSES see **CHONDRODYSPLASIA PUNCTATA**

STOCHASTIC PROCESSES see under **PROBABILITY**

STOCKINGS, COMPRESSION see **CLOTHING**

STOICISM see **PHILOSOPHY**

STOMACH

see related
GASTRECTOMY
Gastric bezoars. DeLuca SA, et al. **Am Fam Physician** 1986 Mar;33(3):123–4
The 'altered states' foreign body [letter] Port RB, et al.
Am J Dis Child 1986 Oct;140(10):972–3
Endoscopic modification for safe foreign body removal. Garrido J, et al. **Am J Gastroenterol** 1985 Dec;80(12):957–8
Sucralfate bezoar—theory or fact? [letter] Quigley MA, et al. **Am J Gastroenterol** 1986 Aug;81(8):724–5
Sucralfate gastric bezoar [letter] Reddy AN.
Am J Gastroenterol 1986 Feb;81(2):149–50
Phytobezoar from the stem ("quiote") of the cactus Agave americana: report of case. Villarreal R, et al.
Am J Gastroenterol 1985 Nov;80(11):838–40
Meckel's diverticulum: value of ectopic tissue. Artigas V, et al. **Am J Surg** 1986 May;151(5):631–4
Radiograph for coin ingestion [letter] Marcuse EK, et al.
Ann Emerg Med 1986 Apr;15(4):511–2
Phytobezoars—an overlooked cause of small bowel obstruction following vagotomy and drainage operations for duodenal ulcer. Vellar DJ, et al. **Aust NZ J Surg** 1986 Aug;56(8):635–8
Cement bezoars of the stomach. Visvanathan R.
Br J Surg 1986 May;73(5):381–2
Detection of esophageal intubation in patients with intrathoracic stomach. Heiselman D, et al.
Crit Care Med 1985 Dec;13(12):1069–70
Coconut matting bezoar identified by a combined analytical approach. Levison DA, et al. **J Clin Pathol** 1986 Feb; 39(2):172–5
Diagnosis and management of gastrointestinal perforations in childhood dermatomyositis with particular reference to perforations of the duodenum. Schullinger JN, et al.
J Pediatr Surg 1985 Oct;20(5):521–4
A new sleeve to lead the stomach or the colon through the chest [letter] Celerier M, et al.
J Thorac Cardiovasc Surg 1986 Jun;91(6):939
Ultrasonography of gastric phytobezoar. Bidula MM, et al.
JCU 1986 Jan;14(1):49–51
A gastric balloon for treatment of obesity.
Med Lett Drugs Ther 1986 Aug 15;28(720):77–8
Gastric bubble therapy of obesity. Schreiber H, et al.
Ohio State Med J 1986 Jul;82(7):476–9
Button-battery ingestion [letter] Erpicum PJ, et al.
S Afr Med J 1986 Mar 15;69(6):346–7
Button-battery ingestion—a hazard of modern living. Millar AJ, et al. **S Afr Med J** 1985 Dec 7;68(12):868–71
Paper bezoar in the stomach. Majeski JA. **South Med J** 1985 Dec;78(12):1520
Gastro-intestinal phytobezoars in Zimbabwean Africans. Stein CM, et al. **Trans R Soc Trop Med Hyg** 1985; 79(4):508–9
Endoscopic diagnosis and removal of gastric foreign bodies in a caiman (Caiman crocodilus crocodilus). Lumeij JT, et al. **Vet Q** 1985 Jul;7(3):234–6
[Fibroscopic extraction of coins retained in the stomach] Sedláčková M, et al. **Cesk Pediatr** 1986 May;41(5):295 (Cze)
[Lactobezoar in an infant] Sznajder M, et al.
Arch Fr Pediatr 1985 Oct;42(8):699–700 (Eng. Abstr.) (Fre)
[Endoscopic extraction of a heroin-filled condom from the stomach (letter)] Riemann JF, et al.
Dtsch Med Wochenschr 1986 Jul 4;111(27):1080–1 (Ger)
[Use of the stomach balloon for weight reduction]

Frimberger E. **Leber Magen Darm** 1986 May;16(3):169–75 (Ger)

[Endoscopic extraction of a tumor prosthesis dislodged into the stomach] Rückauer K, et al. **Radiologe** 1985 Sep; 25(9):440–1 (Eng. Abstr.) (Ger)

[Foreign bodies of unknown origin found in a serosal hematoma between the stomach and the pancreas of a patient] Ishikura H, et al. **Hokkaido Igaku Zasshi** 1986 Jan; 61(1):108–19 (Eng. Abstr.) (Jpn)

[Giant gastric trichobezoar complicated by a perforated ulcer] Aranovskaia NA, et al. **Khirurgiia (Mosk)** 1985 Oct; (10):106–7 (Rus)

[Lithobezoar as a cause of stomach ulcer] Kirillov MIu. **Klin Khir** 1985;(10):63 (Rus)

[Trichobezoar of the stomach] Moroz IM, et al. **Klin Khir** 1985;(10):63 (Rus)

[Bezoars of the stomach and duodenum] Ponomarev AA, et al. **Sov Med** 1985;(12):67–71 (74 ref.) (Rus)

[Removal of a phytobezoar during gastroscopy] Bregel' AI, et al. **Vestn Khir** 1985 Jul;135(7):64 (Rus)

[Rupture of a cyst of the gastro-colonic ligament] Mochalov OIu, et al. **Vestn Khir** 1985 Oct;135(10):64 (Rus)

[Ingestion of batteries: treatment with water overload. Review of 175 cases] García Romero J, et al. **An Esp Pediatr** 1986 Apr;24(4):217–20 (Eng. Abstr.) (Spa)

[Epigastric pain and hematemesis in an elderly patient] Martín Peinador A, et al. **Rev Clin Esp** 1986 Apr;178(7):354–5 (Spa)

[Phytobezoar: apropos of 5 cases. Etiopathogenic review and treatment] López-Cantarero Ballesteros M, et al. **Rev Esp Enferm Apar Dig** 1986 Jan;69(1):31–6 (Eng. Abstr.) (Spa)

[Pyloric obstruction due to a foreign body of intraperitoneal origin: endoscopic aspects] Rodríguez S, et al. **Rev Esp Enferm Apar Dig** 1986 May;69(5):467–8 (Eng. Abstr.) (Spa)

[Gastric bezoar produced by synthetic glue] Bustamante Sarabia J, et al. **Rev Gastroenterol Mex** 1985 Apr–Jun; 50(2):147–9 (Eng. Abstr.) (Spa)

ABNORMALITIES

Association of amyoplasia with gastroschisis, bowel atresia, and defects of the muscular layer of the trunk. Reid CO, et al. **Am J Med Genet** 1986 Aug;24(4):701–10

Congenital gastric anomalies. Simstein NL. **Am Surg** 1986 May;52(5):264–8 (62 ref.)

Situs inversus abdominus with intestinal atresia. Kishan J, et al. **Indian Pediatr** 1985 May;22(5):384–7

Coexistant gastric duplication and accessory pancreas: clinical manifestations, embryogenesis, and treatment. Spence RK, et al. **J Pediatr Surg** 1986 Jan;21(1):68–70

Multiple enteric duplications in an infant. Egelhoff JC, et al. **Pediatr Radiol** 1986;16(2):160–1

[Gastric duplication. Apropos of a case detected in an adult in a segment from a total gastrectomy] Cazagou JF, et al. **J Chir (Paris)** 1985 Aug–Sep;122(8–9):463–6 (Eng. Abstr.) (Fre)

[Abnormalities of the stomach] Charissis G, et al. **Langenbecks Arch Chir** 1985;366:185–9 (Eng. Abstr.) (Ger)

[Neonatal gastric perforation. Description of a case] Ghisetti V, et al. **Pediatr Med Chir** 1986 Jan–Feb;8(1):125–7 (Eng. Abstr.) (Ita)

[Post-traumatic rupture of a communicating gastric duplication] Coppola V, et al. **Radiol Med (Torino)** 1986 Jul–Aug;72(7–8):589–92 (Ita)

[A case of multiple duplication of the stomach] Tanaka J, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Sep; 82(9):2120–4 (Jpn)

[Resection of the stomach in malposition] Boltsov NI, et al. **Khirurgiia (Mosk)** 1985 Oct;(10):105 (Rus)

[Complex clinical and roentgenoendoscopic diagnosis of the gastric diaphragm in adults] Firsov EF, et al. **Vestn Rentgenol Radiol** 1985 Jul–Aug;(4):13–7 (Eng. Abstr.) (Rus)

[Duplication of the stomach and duodenum in children] Kornilova PM, et al. **Vestn Rentgenol Radiol** 1986 Jan–Feb; (1):82–4 (Rus)

[Digestive system duplications] Mariño JM, et al. **An Esp Pediatr** 1986 May;24(5):298–302 (Eng. Abstr.) (Spa)

ANALYSIS

Comparative study on mucus glycoproteins in rat stomach and duodenum. Ohara S, et al. **Comp Biochem Physiol [B]** 1986;83(2):273–5

Bile in the stomach. Muller-Lissner SA, et al. **Gastroenterol Clin Biol** 1985;9(12 Pt 2):72–9

Gastroduodenal mucosal hormone content in duodenal ulcer disease. Domschke S, et al. **Hepatogastroenterology** 1985 Aug;32(4):198–201

Free and conjugated catecholamines in digestive tissues of rats. Gaudin C, et al. **Life Sci** 1985 Oct 21;37(16):1469–74

[An attempt to apply nuclear DNA cytofluorometry using endoscopically biopsied materials of the stomach] Yoshino H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Jul; 82(7):1804 (Jpn)

ANATOMY & HISTOLOGY

Normal histology of the stomach. Owen DA. **Am J Surg Pathol** 1986 Jan;10(1):48–61

A new ligament: the "gastro-pancreatic". Erenbourg L, et al. **Anat Clin** 1985;7(2):143–4

Evidence for a midgastric transverse band in humans. Moore JG, et al. **Gastroenterology** 1986 Sep;91(3):540–5

Sonography of the normal and abnormal stomach (excluding hypertrophic pyloric stenosis in children. Stringer DA, et al. **J Ultrasound Med** 1986 Apr;5(4):183–8

Effect of rice and salty rice diets on the structure of mouse stomach. Kodama M, et al. **Nutr Cancer** 1984;6(3):135–47

Normal stomach wall and gastric cancer: evaluation with high-resolution operative US. Machi J, et al. **Radiology** 1986 Apr;159(1):85–7

The integration of the bulbus duodeni into the aboral closure mechanism of the stomach. Henrich M. **Res Exp Med (Berl)** 1986;186(2):79–85

Measurement of stomach volume by real-time ultrasound. Whittingham TA, et al. **Ultrasound Med Biol** 1983;Suppl 2:459–63

[Functional morphology of stomach secretions] Liebich HG. **Tierarztl Prax** 1985;13(4):455–69 (Eng. Abstr.) (Ger)

BLOOD SUPPLY

Incidence, anatomy and territories supplied by the posterior gastric artery. Trubel W, et al. **Acta Anat (Basel)** 1985; 124(1–2):26–30

Gastroduodenal artery aneurysm presenting as chronic gastrointestinal blood loss. Sams JS, et al. **Am J Gastroenterol** 1986 Jan;81(1):29–32

Intrahepatic termination of the left gastric vein (vena gastrica sinistra): a new case of this unusual anatomic variation. Nebot-Cegarra J, et al. **Anat Anz** 1986;161(4):309–15

Angiodysplasia and gastrointestinal bleeding in chronic renal failure [letter] Blackstone MO. **Ann Intern Med** 1985 Nov; 103(5):805

Amyloid deposition in a gastric arteriovenous malformation. Walley VM. **Arch Pathol Lab Med** 1986 Jan;110(1):69–71

Increased blood flow in the stomach of cirrhotic patients as assessed by radionuclide angiography. Koyanagi N, et al. **Eur Surg Res** 1985;17(6):341–6

Gastric motility is stimulated but overall blood flow is unaffected during cold restraint in the rat. Garrick T, et al. **Gastroenterology** 1986 Jul;91(1):141–8

Role of oxygen radicals in ischemia-induced lesions in the cat stomach. Perry MA, et al. **Gastroenterology** 1986 Feb; 90(2):362–7

Anterolateral left gastric (coronary) vein: an anatomical variant. Hans SS, et al. **Gastrointest Radiol** 1985;10(4):347–8

Massive upper gastrointestinal hemorrhage from an arteriovenous malformation of the stomach. Vaccaro P, et al. **J Clin Gastroenterol** 1985 Aug;7(4):285–8

Body temperature dependency of gastric regional blood flow, acid secretion and ulcer formation in restraint and water-immersion stressed rats. Arai I, et al. **Jpn J Pharmacol** 1986 Apr;40(4):501–4

Portal arteriovenous fistula following partial gastrectomy. Imamura M, et al. **Jpn J Surg** 1985 Nov;15(6):483–7

Human gastric blood circulation evaluated by endoscopic laser Doppler flowmetry. Kvernebo K, et al. **Scand J Gastroenterol** 1986 Aug;21(6):685–92

[Angioterebrant duodenal ulcer. Place of ligation of the gastroduodenal artery in recurrent hemorrhages] Kadiri B, et al. **Tunis Med** 1985 Aug–Sep;63(8–9):435–7 (Eng. Abstr.) (Fre)

[Functional anatomy of stomach circulation: localizing factors in the pathogenesis of stomach ulcer] Rau W. **Langenbecks Arch Chir** 1986;367(2):129–38 (Eng. Abstr.) (Ger)

[Experimental conditions for the reproduction of a submucous steal phenomenon in the dog stomach] Rau W, et al. **Langenbecks Arch Chir** 1986;367(2):139–45 (Eng. Abstr.) (Ger)

[Gastrointestinal angiodysplasia with two locations (stomach and colon) associated with aortic stenosis] Gyöngyösy M, et al. **Orv Hetil** 1986 May 18;127(20):1195–7 (Eng. Abstr.) (Hun)

[Anastomosis between the gastroduodenal artery and right renal artery in the treatment of nephrovascular hypertension. Anatomo-surgical study] Panebianco V, et al. **Minerva Urol Nefrol** 1985 Jul–Sep;37(3):279–83 (Eng. Abstr.) (Ita)

[Anatomo-radiological study of the origin of the left gastroepiploic artery] Pinus J, et al. **Arq Gastroenterol** 1985 Jan–Mar;22(1):27–33 (Eng. Abstr.) (Por)

[Ischemia of the stomach and intestines] Sigal ZM, et al. **Izv Akad Nauk SSSR [Biol]** 1985 Jul–Aug;(4):544–51 (Eng. Abstr.) (Rus)

[Ruptured aneurysm of the left gastric artery] Fomin PD, et al. **Klin Khir** 1986;(4):56–7 (Rus)

[Effect of different types of vagotomy on the blood circulation of the stomach and liver in patients with duodenal ulcer] Martov IuB, et al. **Vestn Khir** 1986 Jan; 136(1):23–6 (Eng. Abstr.) (Rus)

[Cardiohemodynamics and blood circulation in the mesenteric and intra mural vessels of the stomach and intestines in victims of traumatic shock during general anesthesia] Nazipov AA. **Vestn Khir** 1985 Dec; 135(12):115–8 (Eng. Abstr.) (Rus)

CYTOLOGY

Application of parietal cell autoantibody to histopathological studies. Tsutsumi Y, et al. **Acta Pathol Jpn** 1985 Jul; 35(4):823–9

Endocrine cells and parietal cells in the stomach of the developing rat. Ekelund M, et al. **Acta Physiol Scand** 1985 Aug;124(4):483–97

Source of activator calcium in isolated guinea pig and human gastric muscle cells. Bitar KN, et al. **Am J Physiol** 1986 Mar;250(3 Pt 1):G280–6

A uniform enzymatic method for dissociation of myocytes from hearts and stomachs of vertebrates. Mitra R, et al. **Am J Physiol** 1985 Nov;249(5 Pt 2):H1056–60

Fiber type composition of rostral and caudal portions of the digastric muscle in the dog. Bubb WJ, et al. **Am J Vet Res** 1986 Aug;47(8):1834–42

The effect of gastrin and CCK-like peptides on epithelial cell proliferation in the stomach. Caes F, et al. **Scand J Gastroenterol [Suppl]** 1984;101:7–11

[Seasonal dynamics of the gastric APUD cell count in a hibernator] Vinogradova MS. **Biull Eksp Biol Med** 1985 Dec;100(12):736–8 (Eng. Abstr.) (Rus)

DRUG EFFECTS

A study of the permeability of rat stomach to larger molecules. Influence of lysophosphatidylcholine. Karlqvist PA, et al. **Acta Chir Scand** 1986 Apr;152:279–84

Effects of intra-arterially infused adenosine triphosphate (ATP) on release of vasoactive intestinal polypeptide (VIP) from the gastrointestinal tract of the cat. Sjöqvist A, et al. **Acta Physiol Scand** 1985 Dec;125(4):693–8

Gastric cytoprotective, antisecretory and antiulcer activities of (E)-4-oxo-4-(3,4,5-trimethoxyphenyl)-2-butenoic acid (RU 38086). Barzaghi F, et al. **Arzneimittelforschung** 1985; 35(9):1412–6

Intragastric copper sulfate produces a more reliable conditioned taste aversion in vagotomized rats than in intact rats. Rabin BM, et al. **Behav Neural Biol** 1985 Nov; 44(3):364–73

Morphologic changes in the urinary bladder and stomach after long-term administration of sodium saccharin in F344 rats. Hibino T, et al. **Cancer Lett** 1985 Dec;29(3):255–63

Comparison of the effects of 13 phenolic compounds in induction of proliferative lesions of the forestomach and increase in the labelling indices of the glandular stomach and urinary bladder epithelium of Syrian golden hamsters. Hirose M, et al. **Carcinogenesis** 1986 Aug;7(8):1285–9

Electrical basis for the effects of ethyl alcohol on canine gastric corpus muscles. Reed JB, et al. **Eur J Pharmacol** 1985 Dec 10;119(1–2):31–7

The effects of various pharmacological agents on the metoclopramide-induced increase in cholinergic-mediated contractions of rat isolated forestomach. Sanger GJ. **Eur J Pharmacol** 1985 Aug 15;114(2):139–45

Induction of early lesions in the forestomach of rats by 3-tert-butyl-4-hydroxyanisole (BHA). Altmann HJ, et al. **Food Chem Toxicol** 1985 Aug;23(8):723–31

Inhibition of restraint stress by systemic (Asu1,7) eel-calcitonin. Clementi G, et al. **J Endocrinol Invest** 1985 Dec;8(6):543–6

Effect of guar gum, lignin and pectin on proteolytic enzyme levels in the gastrointestinal tract of the rat: a time-based study. Shah N, et al. **J Nutr** 1986 May;116(5):786–94

5-Hydroxytryptamine receptor antagonism by metoclopramide and ICS 205-930 in the guinea-pig leads to enhancement of contractions of stomach muscle strips induced by electrical field stimulation and facilitation of gastric emptying in-vivo. Buchheit KH, et al. **J Pharm Pharmacol** 1985 Sep;37(9):664–7

Effects of ethyl alcohol on phasic and tonic contractions of the proximal stomach. Sanders KM, et al. **J Pharmacol Exp Ther** 1985 Dec;235(3):858–63

Pharmacology of the ruminant gastroduodenal junction. Ruckebusch Y, et al. **J Vet Pharmacol Ther** 1985 Dec; 8(4):339–51 (52 ref.)

Histologic and autoradiographic studies on the forestomach of hamsters treated with 2-tert-butylated hydroxyanisole, 3-tert-butylated hydroxyanisole, crude butylated hydroxyanisole, or butylated hydroxytoluene. Hirose M, et al. **JNCI** 1986 Jan;76(1):143–9

The effect of Mn on the electrical and mechanical activities in the guinea-pig stomach. Sakamoto Y. **Jpn J Physiol** 1985;35(5):853–66

The use of gastric ultrasonography in the evaluation of a new antiflatulent preparation in human volunteers. Simón A, et al. **Methods Find Exp Clin Pharmacol** 1985 Jul; 7(7):393–8

Differential response of muscle and gastric histidine decarboxylase to compound 48/80 and dietary calcium. Greene SM, et al. **Proc Soc Exp Biol Med** 1985 Nov; 180(2):240–5

Cytoprotective and antisecretory properties of a non-diarrheogenic and non-uterotonic prostacyclin analog: U-68,215. Robert A, et al. **Prostaglandins** 1985 Oct; 30(4):619–49

Effect of serotonin on pentagastrin-stimulated gastric pepsin secretion in dogs with gastric fistula. Bech K, et al. **Scand J Gastroenterol** 1985 Dec;20(10):1204–8

Effect of pentagastrin on gastric acid secretion in the totally isolated vascularly perfused rat stomach stimulated with the phosphodiesterase inhibitor isobutyl methylxanthine. Kleveland PM, et al. **Scand J Gastroenterol** 1986 Jun; 21(5):577–84

Pathology of the forestomach in rats treated for 1 year with

a new histamine H2-receptor antagonist, SK&F 93479 trihydrochloride. Betton GR, et al. **Scand J Gastroenterol [Suppl]** 1984;101:103–8

Pathologic findings in the stomachs of rats treated with the H2-receptor antagonist tiotidine. Streett CS, et al. **Scand J Gastroenterol [Suppl]** 1984;101:109–17

Short-term effects of various phenols and acids on the Fischer 344 male rat forestomach epithelium. Rodrigues C, et al. **Toxicology** 1986 Jan;38(1):103–17

[Toxic effect of cisplatin and certain platinum complexes of the 2d generation (CHIP, oxoplatina) on the gastrointestinal tract in rats] Filipová M, et al. **Bratisl Lek Listy** 1986 Jan; 85(1):49–53 (Eng. Abstr.) (Cze)

[Evidence of the cytoprotective action of antacids. Behavior of the transmural stomach electric potential difference with antacids in healthy subjects and stomach ulcer patients] Tympner F. **Fortschr Med** 1985 Sep 5;103(33):795–8 (Eng. Abstr.) (Ger)

[Effect of pentagastrin on the myoelectric activity of the pyloric sphincter, body of the stomach and the duodenum] Shemerovskil KA, et al. **Fiziol Zh SSSR** 1986 Apr; 72(4):458–65 (Eng. Abstr.) (Rus)

[Effect of metoclopramide, papaverine and gastrozepin on the myoelectrical activity of the stomach and small intestine] Fisher AA, et al. **Vrach Delo** 1985 Aug;(8):59–64 (Eng. Abstr.) (Rus)

EMBRYOLOGY

Does pancreatic mesoderm elicit the appearance of endocrine cells in gastric epithelium? Andrew A, et al. **Prog Clin Biol Res** 1986;217B:441–4

ENZYMOLOGY

Characterization of a C-kinase inhibitory fraction. Holian O, et al. **Biochem Int** 1986 Jun;12(6):933–9

K+-stimulated p-nitrophenyl phosphatase is not a partial reaction of the gastric (H+ + K+)-transporting ATPase. Evidence supporting a new model for the univalent-cation-transporting ATPase systems. Ray TK, et al. **Biochem J** 1986 Jan 1;233(1):231–8

Comparison of enzymatic characteristics of creatine kinase BB from human healthy and tumor stomach tissues. Kanemitsu F, et al. **Clin Chim Acta** 1985 Sep 16; 151(1):23–31

Disulfide cross-linking of H,K-ATPase opens Cl- conductance, triggering proton uptake in gastric vesicles. Studies with specific inhibitors. Takeguchi N, et al. **J Biol Chem** 1986 Feb 25;261(6):2560–6

Immunocytochemical and enzyme histochemical localization of kallikrein-like enzymes in colon, intestine, and stomach of rat and cat. Schachter M, et al. **J Histochem Cytochem** 1986 Jul;34(7):927–34

Activities of amino acid metabolizing enzymes in the stomach and small intestine of developing rats. Remesar X, et al. **Reprod Nutr Dev** 1985;25(5):861–6

[Proteolysis of blood plasma proteins in the stomach in early ontogeny] Nikolaevskaia VR, et al. **Biull Eksp Biol Med** 1986 Apr;101(4):393–5 (Eng. Abstr.) (Rus)

[Effect of exogenous activation of kininogenesis on the functional morphology of the gastric fundal glands in experimental conditions] Sukhodolo IV, et al. **Biull Eksp Biol Med** 1985 Nov;100(11):528–30 (Eng. Abstr.) (Rus)

GROWTH & DEVELOPMENT

Distribution of mucus glycoprotein in four compartments of lamb and sheep stomach. Ishihara K, et al. **Comp Biochem Physiol [B]** 1985;82(3):419–23

Multiple molecular forms of soluble esterases in the digestive system of the developing chicken. Veini M, et al. **Comp Biochem Physiol [B]** 1986;83(4):775–81

Action of neurotensin on size, composition, and growth of pancreas and stomach in the rat. Feurle GE, et al. **Regul Pept** 1985 Dec;13(1):53–62

Effect of development of the ovine forestomachs on the anatomy of portal vessels and on the intrahepatic distribution of portal blood. Heath TJ, et al. **Res Vet Sci** 1985 Sep;39(2):216–21

IMMUNOLOGY

Thyroid, gastric, and adrenal autoimmunities associated with insulin-dependent diabetes mellitus. Maclaren NK, et al. **Diabetes Care** 1985 Sep-Oct;8 Suppl 1:34–8

Cyclosporin prophylaxis induces long-term prevention of diabetes, and inhibits lymphocytic infiltration in multiple target tissues in the high-risk BB rat. Jaworski MA, et al. **Diabetes Res** 1986 Jan;3(1):1–6

Reactivity of the serum from A-bomb survivors with the tissues of stomach, liver and kidney of normal rats. Yamakido M, et al. **Hiroshima J Med Sci** 1985 Sep; 34(3):271–5

[Thyro-gastric autoimmunity in a pediatric population of type-I diabetics] De Luca F, et al. **Minerva Pediatr** 1985 May 31;37(10):391–7 (Eng. Abstr.) (Ita)

[Immunohistologic study of the localization of organ-specific antigens of the stomach and intestine and carcinoembryonic antigen in normal and pathologically altered stomach tissues] Pugachev KK, et al. **Arkh Patol** 1986;48(6):55–60 (Eng. Abstr.) (Rus)

INJURIES

Pneumoperitoneum complicating cardiopulmonary resuscitation. Vinen JD, et al. **Anaesth Intensive Care** 1986 May;14(2):193–6

Static and dynamic considerations in gastric barotrauma [letter] Kempen PM. **Anesth Analg** 1986 May;65(5):540–1

Corrosive burns of the esophagus and stomach: a recommendation for an aggressive surgical approach. Estrera A, et al. **Ann Thorac Surg** 1986 Mar;41(3):276–83

Encapsulated alkali ingestion has a characteristic endoscopic appearance [letter] Gill RA, et al. **Gastrointest Endosc** 1986 Apr;32(2):121–2

Gastric perforation after acute aspirin overdose. Robins JB, et al. **Hum Toxicol** 1985 Sep;4(5):527–8

The influence of partial hepatectomy and carbon tetrachloride on rat stomachs. Cho CH, et al. **Res Commun Chem Pathol Pharmacol** 1986 Jul;53(1):121–4

Acid injury to the upper gastro-intestinal tract. A report of 2 cases. Schein M, et al. **S Afr J Surg** 1985 Sep; 23(3):114–6

Sonographical detection of free gas in the peritoneal cavity. Seitz K, et al. **Ultrasound Med Biol** 1983;Suppl 2:453–7

[A perforating pushpin in the stomach] Tofte T. **Ugeskr Laeger** 1985 Jul 1;147(27):2162 (Eng. Abstr.) (Dan)

[Surgical implications of acid ingestion: wide total gastrectomy due to gastric necrosis in the early phase and gastric resection for antro-pyloric stenosis in the late phase] Guajana G, et al. **Minerva Chir** 1985 Aug 15-31; 40(15-16):1033–9 (Eng. Abstr.) (Ita)

[Caustic injury to the upper gastrointestinal tract: the role of fiberoptic endoscopy] Fujita Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Jul;82(7):1703–9 (Eng. Abstr.) (Jpn)

[Complete rupture of the stomach after blunt abdominal injury] Sura J, et al. **Wiad Lek** 1986 Apr 1;39(7):490–1 (Eng. Abstr.) (Pol)

[Surgical treatment method in total chemical burns of the stomach] Suetin GN, et al. **Khirurgiia (Mosk)** 1985 Oct; (10):46–8 (Eng. Abstr.) (Rus)

[Combined penetrating injury of the stomach, pancreas and portal vein] Chmel' VB, et al. **Klin Khir** 1986;(4):58 (Rus)

[Unusual penetrating injury of the posterior gastric wall] Mitrofanov EI, et al. **Klin Khir** 1986;(4):57 (Rus)

[Closed injuries of the stomach in blunt trauma to the upper abdomen] Anishin NS, et al. **Vestn Khir** 1986 Mar; 136(3):67–70 (Eng. Abstr.) (Rus)

[Incarceration of a traumatic diaphragmatic hernia] Grinev MV, et al. **Vestn Khir** 1985 Nov;135(11):75–7 (Rus)

INNERVATION

Epidural fentanyl counteracts sympathetic gastric inhibition. Lisander B, et al. **Acta Anaesthesiol Scand** 1985 Aug; 29(6):560–5

Bradykinin-induced atropine-sensitive gastric contractions. Activation of an intramural axon reflex? Delbro D, et al. **Acta Physiol Scand** 1986 May;127(1):111–7

Convergence of sensory information from abdominal viscera in the rat brain stem. Appia F, et al. **Am J Physiol** 1986 Aug;251(2 Pt 1):G169–75

The non-adrenergic non-cholinergic innervation of the stomach. Andrews PL. **Arch Int Pharmacodyn Ther** 1986 Apr;280(2 Suppl):84–109 (82 ref.)

Gastric distention increases [14C]2-deoxyglucose uptake in the rat nucleus tractus solitarius. Gonzalez MF, et al. **Brain Res** 1986 Mar 26;369(1-2):395–9

Effect of central sympathectomy on gastric and small intestinal myoelectric activity and plasma motilin concentrations in the dog. Telford GL, et al. **Gastroenterology** 1985 Nov;89(5):989–95

Sympathetic influence upon gastric function—implications for peptic ulcer disease. Hanisch E. **Hepatogastroenterology** 1985 Oct;32(5):217–9

Effect of naloxone on taste behavior in normal and selective gastric vagotomized rats. Radhakrishnan V, et al. **Indian J Exp Biol** 1986 Mar;24(3):182–4

Angiotensin inhibits gastric and tracheal contractile responses to peripheral parasympathetic stimulation. Hobbs SF, et al. **J Auton Nerv Syst** 1985 Sep;14(1):75–9

Gastric-vagal solitary neurons excited by paraventricular nucleus microstimulation. Rogers RC, et al. **J Auton Nerv Syst** 1985 Dec;14(4):351–62

Observations on the afferent and efferent organization of the vagus nerve and the innervation of the stomach in the squirrel monkey. Gwyn DG, et al. **J Comp Neurol** 1985 Sep 8;239(2):163–75

The central organization of the vagus nerve innervating the stomach of the rat. Shapiro RE, et al. **J Comp Neurol** 1985 Aug 22;238(4):473–88

In-vitro study of the enkephalinergic hypothesis for non-adrenergic, non-cholinergic innervation in the cat stomach. Lefebvre RA, et al. **J Pharm Pharmacol** 1986 Jan; 38(1):35–9

Effects of morphine on hexamethonium-sensitive and -resistant excitatory responses of stomach to stimulation of vagal trunk in cats. Okamoto T, et al. **Life Sci** 1986 Jul 14;39(2):147–53

Effects of taste stimuli on the efferent activity of the gastric vagus nerve in rats. Jiang ZY, et al. **Neurosci Lett** 1986 Aug 15;69(1):42–6

Neuropeptides and 5-HT immunoreactivity in the gastric nerves of the dogfish (Scyliorhinus stellaris). Cimini V, et al. **Peptides** 1985;6 Suppl 3:373–7

The adrenal medulla protects against stress ulcers in the presence of gastric sympathectomy. Hanisch E, et al. **Res Exp Med (Berl)** 1985;185(5):341–4

The history and surgical anatomy of the vagus nerve. Skandalakis LJ, et al. **Surg Gynecol Obstet** 1986 Jan; 162(1):75–85

[The parasympathetic preganglia neurons of stomach (HRP method)] Li RW, et al. **Chen Tzu Yen Chiu** 1985; 10(4):255–8, 263 (Eng. Abstr.) (Chi)

[Intrinsic autonomic innervation of the stomach during aging] Timmermans L, et al. **C R Soc Biol (Paris)** 1985; 179(4):493–500 (Eng. Abstr.) (Fre)

[Extrinsic nervous control of gastric motility] Miolan JP. **Gastroenterol Clin Biol** 1985 Aug-Sep;9(8-9):590–601 (107 ref.) (Fre)

[Functions of the stomach after parasympathetic denervation of the fundus and uncoupling of the fundus and antral portions] Groisman SD, et al. **Fiziol Zh SSSR** 1986 Apr; 72(4):513–9 (Eng. Abstr.) (Rus)

[Effects of stimulation of afferent fibers of the gastric branch of the vagus nerve after vagotomy and anemia of the brain] Itina LV, et al. **Fiziol Zh SSSR** 1986 Mar;72(3):337–43 (Eng. Abstr.) (Rus)

[Mechanism of stimulation of the motor activity of the stomach by the greater splanchnic nerve] Smironov VM, et al. **Fiziol Zh SSSR** 1986 May;72(5):650–5 (Eng. Abstr.) (Rus)

[Comparative evaluation of the completeness of vagal denervation of the gastric stump at different levels of resection] Kogut BM. **Klin Khir** 1985;(8):32–3 (Eng. Abstr.) (Rus)

METABOLISM

Endocrine control of extrathyroidal peroxidases and iodide metabolism. De SK, et al. **Acta Endocrinol (Copenh)** 1985 Nov;110(3):383–7

Development of gastric somatostatin-like immunoreactivity in response to corticosterone acetate and dietary changes in young rats. Okahata H, et al. **Acta Endocrinol (Copenh)** 1986 Jul;112(3):383–7

Gastrointestinal bioavailability: determination of in vivo release profiles of solid oral dosage forms by deconvolution. Gillespie WR, et al. **Biopharm Drug Dispos** 1985 Jul-Sep; 6(3):351–5

Histochemistry of gastric mucins in smokers and non-smokers. Hollanders D, et al. **Br J Clin Pract** 1986 Feb;40(2):74–7

Gastrointestinal histamine after thoracic irradiation in the mouse. Man WK, et al. **Br J Exp Pathol** 1986 Apr; 67(2):219–27

The comparative distribution of [Lys8-Asn9]-neurotensin8-13-like immunoreactivity in chicken and rat tissues. Goedert M, et al. **Brain Res** 1985 Sep 9;342(2):259–65

Transport of dimethylamine, a precursor of nitrosodimethylamine, into stomach of ferret and dog. Zeisel SH, et al. **Carcinogenesis** 1986 May;7(5):775–8

67Ga-binding substances in stomach, small intestine, pancreas, and muscle. Ando A, et al. **Ear J Nucl Med** 1985; 11(6-7):235–9

Release of [Leu5]enkephalin immunoreactivity from the isolated perfused rat stomach. Nishimura E, et al. **Eur J Pharmacol** 1986 May 13;124(1-2):43–9

Effect of inhibition of acid secretion on the regulatory peptides in the rat stomach. Allen JM, et al. **Gastroenterology** 1986 Apr;90(4):970–7

Gastric processing and emptying of fat. Meyer JH, et al. **Gastroenterology** 1986 May;90(5 Pt 1):1176–87

Identification and characterization of glycine-extended post-translational processing intermediates of progastrin in porcine stomach. Sugano K, et al. **J Biol Chem** 1985 Sep 25;260(21):11724–9

Gastric absorption of D-xylose in the rat: its influence on the D-xylose absorption test. Stradley R, et al. **J Lab Clin Med** 1986 Jan;107(1):10–4

Demarcation of Ca2+ transport processes in guinea pig stomach smooth muscle. Sakai Y, et al. **J Membr Biol** 1986; 89(1):65–73

Comparative effects of polymyxin B and compound 48/80 on histamine metabolism in rat muscle and gastric tissue. Greene SM, et al. **Life Sci** 1986 Feb 10;38(6):539–46

The effect of cimetidine and hypoxia on the gastric macromolecular glycoprotein in rat. Nakazawa S, et al. **Nagoya J Med Sci** 1986 Mar;48(1-4):27–32

Effect of vasoactive intestinal peptide, peptide histidine isoleucine and growth hormone-releasing factor-40 on bombesin-like immunoreactivity, somatostatin and gastrin release from the perfused rat stomach. Schusdziarra V, et al. **Peptides** 1986 Jan-Feb;7(1):127–33

Glucagon- and PP-related peptides of intestinal L cells and pancreatic/gastric A or PP cells. Possible interrelationships of peptides and cells during evolution, fetal development and tumor growth. Solcia E, et al. **Peptides** 1985;6 Suppl 3:223–9

Catabolism of substance P and neurotensin in the rat stomach wall is susceptible to inhibitors of angiotensin converting enzyme. Orloff MS, et al. **Regul Pept** 1986 Mar;14(1):21–31

Short-term tests of genotoxicity for 1,1,1-trichloroethane. Turina MP, et al. **Res Commun Chem Pathol Pharmacol**

1986 Jun;52(3):305–20

Effect of different denervation procedures on catecholamines in the gut. Graffner H, et al. **Scand J Gastroenterol** 1985 Dec;20(10):1276–80

In vitro inhibition of peptic degradation of porcine gastric mucus glycoprotein by sucralfate. Slomiany BL, et al. **Scand J Gastroenterol** 1985 Sep;20(7):857–60

[Sialic acid, a marker for peptic proteolysis of gastric mucus glycoproteins: physiopathological significance in man] Vatier J, et al. **Gastroenterol Clin Biol** 1985;9(12 Pt 2):108–10 **(Fre)**

[Carbohydrate digestion in monogastric animals] Champ M. **Reprod Nutr Dev** 1985;25(4B):819–42 (Eng. Abstr.) **(Fre)**

[The effect of mutagen-depressive substances in vegetables on benzo(a)pyrene metabolism] Michioka O. **Gan No Rinsho** 1986 May;32(6):660–4 (Eng. Abstr.) **(Jpn)**

[Combined laboratory/epidemiological studies on endogenous nitrosation and human cancer] Ohshima H. **Gan No Rinsho** 1986 May;32(6):652–9 (Eng. Abstr.) **(Jpn)**

[Chyme homeostasis in the gastroduodenal portion of the digestive tract under different nutritional diets] Simonov MIa, et al. **Vopr Pitan** 1985 Jul–Aug;(4):30–4 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Enteral nutrition in patients receiving mechanical ventilation. Multiple sources of tracheal colonization include the stomach. Pingleton SK, et al. **Am J Med** 1986 May; 80(5):827–32

Effects of preoperative medications on gastric pH, volume, and flora. Laws HL, et al. **Ann Surg** 1986 Jun;203(6):614–9

Alteration of normal gastric flora in critical care patients receiving antacid and cimetidine therapy. Donowitz LG, et al. **Infect Control** 1986 Jan;7(1):23–6

Influence of gastrostomy on the colonization of the stomach: impact on neonatal septicaemia. Kraeft H, et al. **Infection** 1985 Sep–Oct;13(5):211–5

Campylobacter pyloridis, urease, and gastric ulcers [letter] Rathbone BJ, et al. **Lancet** 1986 Aug 16;2(8503):400–1

Acridine-orange to identify Campylobacter pyloridis in formalin fixed, paraffin-embedded gastric biopsies [letter] Walters LL, et al. **Lancet** 1986 Jan 4;1(8471):42

Hydrogen (H2) breath test and gastric bacteria in acid-secreting subjects and in achlorhydric and postgastrectomy patients before and after antimicrobial treatment. Armbrecht U, et al. **Scand J Gastroenterol** 1985 Sep;20(7):805–13

[Morphological research on the effect of vagotomy on the parietal microflora of the stomach and duodenum] Balbekov IM, et al. **Biull Eksp Biol Med** 1986 Apr; 101(4):496–8 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Bizarre atypia in gastric brushings associated with hepatic arterial infusion chemotherapy. Becker SN, et al. **Acta Cytol (Baltimore)** 1986 Jul–Aug;30(4):347–50

A pitfall in the interpretation of intestinal metaplasia of the stomach. Rubio C, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1986 Mar; 94(2):165–6

The diagnostic significance of sulfated acid mucin content in gastric intestinal metaplasia with early gastric cancer. Turani H, et al. **Am J Gastroenterol** 1986 May;81(5):343–5

Strangulated para-oesophageal hiatus hernia with gangrene and perforation of stomach. Brume J, et al. **Br J Clin Pract** 1986 Mar;40(3):127–8

Hyperplastic gastropathy [editorial] Simson JN. **Br Med J [Clin Res]** 1985 Nov 9;291(6505):1298–9

Disorganization of stroma alters epithelial differentiation of the glandular stomach in adult mice. Fukamachi H. **Cell Tissue Res** 1986;243(1):65–8

Aresae gastricae. Comparative pathologic and radiologic study on 50 human stomach specimens. Li FS, et al. **Chin Med J [Engl]** 1984 Dec;97(12):885–92

Gastric epithelial atypia following hepatic arterial infusion chemotherapy. Choi HY, et al. **Diagn Cytopathol** 1985 Jul–Sep;1(3):241–4

Study of the pathogenic effects of Procamallanus spiculogubernaculus (Nematoda) on the stomach wall of the freshwater fish Heteropneustes fossils (Bloch). Sinha AK. **Folia Morphol (Praha)** 1986;34(2):220–3

Diffuse somatostatin-immunoreactive D-cell hyperplasia in the stomach and duodenum. Holle GE, et al. **Gastroenterology** 1986 Sep;91(3):733–9

The morphologic spectrum of large gastric folds: utility of the snare biopsy. Komorowski RA, et al. **Gastrointest Endosc** 1986 Jun;32(3):190–2

New ceramic endoprobes for endoscopic contact irradiation with Nd:YAG laser: experimental studies and clinical applications. Suzuki S, et al. **Gastrointest Endosc** 1986 Aug; 32(4):282–6

Incomplete sulphomucin-secreting intestinal metaplasia for gastric cancer. Preliminary data from a prospective study from three centres. Filipe MI, et al. **Gut** 1985 Dec; 26(12):1319–26

Gastric lesions in portal hypertension: inflammatory gastritis or congestive gastropathy? McCormack TT, et al. **Gut** 1985 Nov;26(11):1226–32

Gastrointestinal amyloid deposition in AL (primary or myeloma-associated) and AA (secondary) amyloidosis: diagnostic value of gastric biopsy. Yamada M, et al. **Hum Pathol** 1985 Dec;16(12):1206–11

Morphometric analysis of gastric dysplasia. Jarvis LR, et al. **J Pathol** 1985 Oct;147(2):133–8

Characteristics of gastric cancer invading to the proper muscle layer—with special reference to mortality and cause of death. Yoshikawa K, et al. **Jpn J Clin Oncol** 1985 Sep; 15(3):499–503

The induction of intestinal metaplasia in rats by pyloroplasty or pyloroplasty plus vagotomy. Fujii I, et al. **Pathol Res Pract** 1985 Nov;180(5):502–5

A form of necrobiosis and atrophy of smooth muscle in diabetic gastric autonomic neuropathy. Moscoso GJ, et al. **Pathol Res Pract** 1986 May;181(2):188–94

Atypical mitoses in elevated dysplasias of the stomach. Rubio CA, et al. **Pathol Res Pract** 1985 Oct;180(4):372–6

Hypergastrinaemia produces trophic effects in stomach but not in pancreas and intestines. Håkanson R, et al. **Regul Pept** 1986 Feb;13(3–4):225–33

Gallbladder carcinoma with gastric outlet obstruction and gallstone ileus. Singer M, et al. **South Med J** 1986 Jul; 79(7):902–3

Early gastric cancer viewed from its growth patterns. Inokuchi K. **Surg Annu** 1986;18:111–28

[Changes of the gastric muscularis externa in chronic gastritis] Yu JY. **Cheng-hua Ping Li Hsueh Tsa Chih** 1985 Jun;14(2):127–9 (Eng. Abstr.) **(Chi)**

[Gastric necrosis caused by acute gastric dilatation. Total gastrectomy. Recovery] Koyazounda A, et al. **J Chir (Paris)** 1985 Jun–Jul;122(6–7):403–7 (Eng. Abstr.) **(Fre)**

[Unaimed biopsy in gastroscopy?] Neuhaus H, et al. **Dtsch Med Wochenschr** 1985 Dec 20;110(51–52):1998–9 **(Ger)**

[Surgical emergencies in neoplastic pathology of the stomach] Valle M, et al. **Minerva Chir** 1985 Sep 30; 40(18):1215–8 (Eng. Abstr.) **(Ita)**

[Reactive lymphoreticular hyperplasia or pseudolymphoma of the stomach] Gallina F, et al. **Radiol Med (Torino)** 1984 Dec;70(12):949–53 (Eng. Abstr.) **(Ita)**

[Difference in clinical treatment between patients histologically diagnosed as group III by the old and new "group classifications" of gastric biopsy]Hijikata A, et al. **Gan No Rinsho** 1985 Nov;31(14):1787–91 (Eng. Abstr.) **(Jpn)**

[Clinicopathological study of minute cancer of the stomach] Kumagai K, et al. **Gan No Rinsho** 1985 Aug;31(10):1257–62 (Eng. Abstr.) **(Jpn)**

[Effect of metoclopramide on gastric distension and lethal toxicity of cisplatin in mice] Lee KE, et al. **Gan To Kagaku Ryoho** 1986 May;13(5):1911–4 (Eng. Abstr.) **(Jpn)**

[Treatment of gastric cancer based on the pathological and biophysiological aspects of cancer] Nishi M, et al. **Gan To Kagaku Ryoho** 1986 Feb;13(2):180–91 (Eng. Abstr.) **(Jpn)**

[Morphological considerations of the significance of the lesions in the stomach resected for ulcer] Gavriliță L, et al. **Rev Med Chir Soc Med Nat Iasi** 1984 Apr–Jun; 88(2):325–7 (Eng. Abstr.) **(Rum)**

[Intestinal metaplasia of the stomach. Frequency in a study of endoscopic biopsies] González Cueto D, et al. **Acta Gastroenterol Latinoam** 1985;15(3):149–56 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Changes in the migrating myoelectrical complex of canine gastro-intestinal tract depending on the dietary regime. Georgieva N, et al. **Acta Physiol Pharmacol Bulg** 1985; 11(3):3–9

The role of gastric mechanoreceptor function in the regulation of behaviour patterns induced with thirst or hunger in rats. Zajac M, et al. **Acta Physiol Pol** 1985 Mar–Apr;36(2):85–91

Effects of portacaval shunt on the rat stomach. Ekelund M, et al. **Acta Physiol Scand** 1985 Jul;124(3):437–47

The role of the stomach in eating. Deutsch JA. **Am J Clin Nutr** 1985 Nov;42(5 Suppl):1040–3

Diet and gastric digestion. Dubois A. **Am J Clin Nutr** 1985 Nov;42(5 Suppl):1003–5

Intestinal control of gastric tone. Azpiroz F, et al. **Am J Physiol** 1985 Oct;249(4 Pt 1):G501–9

Electrogastrographic characteristics of interdigestive migrating complex in humans. Geldof H, et al. **Am J Physiol** 1986 Feb;250(2 Pt 1):G165–71

Organization of fasting and postprandial myoelectric activity in stomach and duodenum of conscious dogs. Gill RC, et al. **Am J Physiol** 1985 Dec;249(6 Pt 1):G655–61

Control of ingestion in 6-day-old rat pups: termination of intake by gastric fill alone? Phifer CB, et al. **Am J Physiol** 1986 May;250(5 Pt 2):R807–14

Blood pressure changes after gastric mechanical and electrical stimulation in rats. Pozo F, et al. **Am J Physiol** 1985 Dec;249(6 Pt 1):G739–44

Modulation of gastric and arterial pressure by nucleus tractus solitarius in rat. Spencer SE, et al. **Am J Physiol** 1986 Jun; 250(6 Pt 2):R996–1002

Gastric emptying of liquids in the dog: effect of volume. Leib MS, et al. **Am J Vet Res** 1986 May;47(5):1019–21

Gastric emptying of liquids in the dog: serial test meal and modified emptying-time techniques. Leib MS, et al. **Am J Vet Res** 1985 Sep;46(9):1876–80

Gastric distention and gastrin in the dog. Leib MS, et al. **Am J Vet Res** 1985 Sep;46(9):2011–5

Problems in interpreting gastric pressure measurements [letter] Drummond GB. **Anesthesiology** 1985 Dec; 63(6):727–8

The splanchnic nerve and food intake regulation. Deutsch JA, et al. **Behav Neural Biol** 1986 Jan;45(1):43–7

Learning of gastrointestinal satiety signals. Deutsch JA, et al. **Behav Neural Biol** 1986 May;45(3):292–9

Nonmigrating rhythmic activity in the stomach and duodenum of neonates. Tomomasa T, et al. **Biol Neonate** 1985;48(1):1–9

CNS effects of circulating CCK8: involvement of brainstem neurones responding to gastric distension. Raybould HE, et al. **Brain Res** 1985 Sep 2;342(1):187–90

Olfactory bulb neurons respond to gastric distension. Garcia-Diaz DE, et al. **Brain Res Bull** 1985 Dec; 15(6):661–4

The distension stimulus to gastric acid secretion in the isolated mouse stomach. Davison JS, et al. **Can J Physiol Pharmacol** 1985 Dec;63(12):1533–6

Forestomach motility in the camel (Camelus dromedarius). Heller R, et al. **Comp Biochem Physiol [A]** 1986;84(2):285–8

Gastric emptying disorders. Rogers AI. **Compr Ther** 1985 Dec;11(12):20–5

Hexaprazol antagonism to gastric electrical potential fall by acetylsalicylic acid in rat. Lumachi B, et al. **Drugs Exp Clin Res** 1985;11(10):693–702

Leukotriene effects upon the transgastric potential difference and pepsin secretion. Pendleton RG, et al. **Eur J Pharmacol** 1986 Apr 9;123(1):29–36

Physiological and metabolic effects of dietary fiber. Anderson JW. **Fed Proc** 1985 Nov;44(14):2902–6 (53 ref.)

Satiety: the roles of peptides from the stomach and the intestine. Gibbs J, et al. **Fed Proc** 1986 Apr;45(5):1391–5

The stomach, cholecystokinin, and satiety. McHugh PR, et al. **Fed Proc** 1986 Apr;45(5):1384–90

The stomach's link to the brain. Wolf S. **Fed Proc** 1985 Nov; 44(14):2889–93

Characteristics of spontaneous and drug-induced gastric dysrhythmias in a chronic canine model. Kim CH, et al. **Gastroenterology** 1986 Feb;90(2):421–7

European Gastro Club. Abstracts of the 17th conference. Erlangen, October 18–19, 1985. **Hepatogastroenterology** 1986 Feb;33(1):34–46

An improved method for recording and analyzing the electrical activity of the human stomach. Bellahsene BE, et al. **IEEE Trans Biomed Eng** 1985 Nov;32(11):911–5

Reflex excitation and inhibition of the lower oesophageal sphincter induced by gastric distension in the cat. Niel JP. **J Auton Nerv Syst** 1986 Jul;16(3):205–9

William Beaumont: frontier physician and founding father of gastric physiology. Dubois A, et al. **J Clin Gastroenterol** 1985 Dec;7(6):472–4

Enterogastrone-like effect of peptide YY is vagally mediated in the dog. Pappas TN, et al. **J Clin Invest** 1986 Jan; 77(1):49–53

Gastric tone modifies the responses to extrinsic neural stimuli in the anaesthetized ferret. Andrews PL, et al. **J Physiol (Lond)** 1985 Sep;366:1–16

Gastrin response to a meal before and after cutting the extrinsic nerves of the stomach in the dog. Eysselein VE, et al. **J Physiol (Lond)** 1985 Dec;369:355–64

Model to simulate the gastric electrical control and response activity on the stomach wall and on the abdominal surface. Mirizzi N, et al. **Med Biol Eng Comput** 1986 Mar; 24(2):157–63

Studies on the effects of various types of surgery on electrical and contractile activities of the canine stomach. Komi N, et al. **Nippon Heikatsukin Gakkai Zasshi** 1985 Jul;21 Suppl:19–26

Contractions of the stomach and duodenum induced by trimebutine in conscious fasted dogs. Yamada K, et al. **Nippon Heikatsukin Gakkai Zasshi** 1985 Feb;21(1):39–43

Role of gastric distention in cholecystokinin's satiety effect in golden hamsters. Miceli MO. **Physiol Behav** 1985 Dec; 35(6):945–53

Milrinone produces a positive inotropy but is not inhibitory to gastric ion transport. Sernka TJ, et al. **Proc Soc Exp Biol Med** 1986 Oct;183(1):140–4

Acid and hyperosmolal solutions in the upper intestine of chronic gastric fistula rats inhibit gastric acid secretion by different mechanisms. Wallin C, et al. **Scand J Gastroenterol** 1985 Nov;20(9):1083–90

[A method for registration of stomach movement of rabbits in chronic experiments] Jiang SL, et al. **Sheng Li Hsueh Pao** 1986 Feb;38(1):102–6 (Eng. Abstr.) **(Chi)**

[Gastroduodenal electric activity, in situ, during anesthesia and recovery. Study in chronic electrode-carrying rats] de Lavernhe-Lemaire MC, et al. **Arch Int Physiol Biochim** 1986 Apr;94(1):19–28 (Eng. Abstr.) **(Fre)**

[Formation of volatile carcinogenic N-nitroso compounds from drugs under simulated human gastric conditions] Ziebarth D. **Arch Geschwulstforsch** 1985;55(5):315–26 (Eng. Abstr.) **(Ger)**

[William Beaumont (1785–1853) and the physiology of digestion] Ruff PW. **Z Arztl Fortbild (Jena)** 1985; 79(24):1059–60 **(Ger)**

[Effect of cisapride on contractile activity of the

gastrointestinal tract] Suzuki T, et al. **Nippon Heikatsukin Gakkai Zasshi** 1985 Apr;21(2):139–49 (Eng. Abstr.) **(Jpn)**

[Compensation of exocrine pancreatic insufficiency during its partial, subtotal and total resection] Kaltsev KK, et al. **Biull Eksp Biol Med** 1986 Jul;102(7):18–20 (Eng. Abstr.) **(Rus)**

[Changes in the properties of smooth muscle cells of the fundus portion of the stomach after removal of the body and antral portion] Balginov O, et al. **Fiziol Zh SSSR** 1985 Dec;71(12):1615–20 (Eng. Abstr.) **(Rus)**

[Effect of hypochloric solutions on the electrophysiologic processes of smooth muscles] Podgornaia LA, et al. **Fiziol Zh SSSR** 1985 Dec;71(12):1621–7 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Gastrin, gastric acid secretion, and gastric microflora in patients with rheumatoid arthritis. Henriksson K, et al. **Ann Rheum Dis** 1986 Jun;45(6):475–83

Gastric functions in patients with the intrathoracic stomach after esophageal surgery. Okada N, et al. **Ann Surg** 1986 Aug;204(2):114–21

Tachygastria and motion sickness. Stern RM, et al. **Aviat Space Environ Med** 1985 Nov;56(11):1074–7

Lack of correlation between intragastric pressure and early gastric emptying rate after proximal gastric vagotomy. Oliveira RB, et al. **Braz J Med Biol Res** 1985;18(4):471–5

Electrogastrographic study of gastric myoelectrical activity in patients with unexplained nausea and vomiting. Geldof H, et al. **Gut** 1986 Jul;27(7):799–808

Clinical relevance of gastroduodenal dysfunction in reflux esophagitis. Dubois A. **J Clin Gastroenterol** 1986;8 Suppl 1:17–25 (51 ref.)

Gastric electrical dysrhythmias (tachygastria and tachyarrhythmia) in a girl with chronic intractable vomiting. Cucchiara S, et al. **J Pediatr** 1986 Feb; 108(2):264–7

[Value of simultaneous monitoring of esophageal and gastric pH in infants] Bocquet A, et al. **Pediatrie** 1986 Jan–Feb; 41(1):17–32 (Eng. Abstr.) **(Fre)**

[Combined long-term (24 hours) esophagogastric pH measurement in studying scleroderma patients] Fei L, et al. **Minerva Med** 1986 Mar 24;77(12):441–6 **(Ita)**

[Status of the stomach and duodenum in the early period after ulcer perforation in young men] Lebedev VP. **Klin Med (Mosk)** 1986 Jan;64(1):96–9 (Eng. Abstr.) **(Rus)**

[State of the microcirculation and its relation to gastric function and structural changes in the gastroduodenal zone in recurrent peptic ulcer] Chernin VV, et al. **Ter Arkh** 1986; 58(2):6–9 (Eng. Abstr.) **(Rus)**

[Functional status of the stomach and liver in eczema patients (according to endoscopic and hepatographic findings)] Erokhina LP. **Vestn Dermatol Venerol** 1985 Dec;(12):45–7 (Eng. Abstr.) **(Rus)**

[Importance of electrogastrography and pharmacological tests in assessing gastric motor function in vagotomy] Rychagov GP, et al. **Vestn Khir** 1986 Feb;136(2):32–7 (Eng. Abstr.) **(Rus)**

[A method of stimulating gastric peristalsis] Iliasova EB, et al. **Vestn Rentgenol Radiol** 1986 Mar–Apr;(2):19–23 (Eng. Abstr.) **(Rus)**

[Morphofunctional state of the extramural neuroganglia and endocrine system of the stomach in experimental emotion-pain stress] Tarnavskaia TG. **Vrach Delo** 1985 Oct; (10):12–4 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Intestinal metaplasia induced by X-irradiation in different strains of rats. Watanabe H, et al. **Acta Pathol Jpn** 1985 Jul;35(4):841–7

Gastrointestinal histamine after gastric irradiation in the mouse. Man WK, et al. **Agents Actions** 1986 Apr; 18(1–2):210–3

Surface studies of duodenal lesions induced by thoracic irradiation. Carr KE, et al. **Scan Electron Microsc** 1986;(Pt 1):209–19

RADIOGRAPHY

Radiologic findings after fundoplication compared with a pH reflux test and symptoms. Fransson SG, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Jan–Feb;27(1):33–9

Barium suspension viscosity [letter] Gelfand DW, et al. **AJR** 1986 Jun;146(6):1317–8

Recovery of ingested heroin packets. Robins JB, et al. **Arch Emerg Med** 1986 Jun;3(2):125–7

Radiological appearances following vertical banded gastroplasty. Grundy A, et al. **Clin Radiol** 1985 Jul; 36(4):395–400

Radiologically guided dilatation of stenotic gastroduodenal anastomosis. Hegedüs V, et al. **Gastrointest Radiol** 1986; 11(1):27–9

The surface pattern of the stomach and duodenum in a chronic renal failure cohort. Scott JH, et al. **J Am Osteopath Assoc** 1986 Mar;86(3):162–8

[Experimental tests during the development of a new high-density contrast medium (Falibaryt HD) for double-contrast examination of the stomach] Dietze R. **Radiol Diagn (Berl)** 1986;27(1):143–9 (Eng. Abstr.) **(Ger)**

[Significance of stomach deformities in the diagnosis of peptic ulcer and carcinoma] Vlasov PV. **Radiol Diagn (Berl)** 1985; 26(5):689–96 (Eng. Abstr.) **(Ger)**

[Radiation doses for children during x-ray examination of the thoracic organs and stomach] Stavitskil RV, et al. **Med Radiol (Mosk)** 1985 Dec;30(12):50–2 **(Rus)**

[Dynamic observation of changes in the stomach and small intestine of patients with chronic enterocolitis] Khashem UKh. **Vestn Rentgenol Radiol** 1985 Jul–Aug;(4):76–8 **(Rus)**

[Organ-specific dosimetry characteristics of various methods of roentgenologic examination of the esophagus and stomach] Rabkin IKh, et al. **Vestn Rentgenol Radiol** 1985 Sep–Oct;(5):57–61 (Eng. Abstr.) **(Rus)**

[A method of pH-probe pneumogastrography] Voronkov VV. **Vestn Rentgenol Radiol** 1986 Mar–Apr;(2):91–2 **(Rus)**

[Standard 2-phase method of x-ray study of the stomach in diagnosing chronic gastritis] Zubarev AV, et al. **Vestn Rentgenol Radiol** 1986 May–Jun;(3):61–9 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Gallium accumulation in the stomach. A frequent incidental finding. MacMahon H, et al. **Clin Nucl Med** 1985 Oct; 10(10):719–23

Abnormal gastric emptying in anorexia [letter] Heading RC, et al. **Dig Dis Sci** 1986 Jul;31(7):778–9

Measurement of gastric emptying rate in humans by real-time ultrasound. Holt S, et al. **Gastroenterology** 1986 Apr; 90(4):918–23

Isopropyl alcohol is a cause of stomach activity on oxidronate bone scans. Peterson EM, et al. **Int J Nucl Med Biol** 1985; 12(4):295–8

Attenuation correction and lag period in gastric emptying studies [letter] Collins PJ, et al. **J Nucl Med** 1986 Jun; 27(6):867–8

Resolution of massive technetium-99m methylene diphosphonate uptake in the stomach in vitamin D intoxication. Corstens F, et al. **J Nucl Med** 1986 Feb; 27(2):219–22

Gastric emptying measurements: delayed and complex emptying patterns without appropriate correction. Moore JG, et al. **J Nucl Med** 1985 Oct;26(10):1206–10

[Gastroesophageal 99mTc scintigraphy in gastroesophageal reflux] Baptiste P, et al. **Gastroenterol Clin Biol** 1986 Feb; 10(2):141–6 (Eng. Abstr.) **(Fre)**

SURGERY

Oesophageal, gastric and small bowel anastomoses made by the sleeve technique. Kemenes B, et al. **Acta Chir Hung** 1986;27(2):69–78

Early and late results after antrectomy, selective vagotomy and Roux-en-Y reconstruction for severe peptic ulcer disease. Karlqvist PA, et al. **Acta Chir Scand** 1986 May; 152:357–61

Histologic changes after elective surgery for duodenal ulcer. Lygidakis NJ. **Acta Chir Scand** 1986 Feb;152:139–44

The size of the gastric outlet and the outcome of surgery for obesity. Näslund I. **Acta Chir Scand** 1986 Mar; 152:205–10

Retrospective analysis of gastric stump carcinoma patients treated during 1946–1981. Ovaska JT, et al. **Acta Chir Scand** 1986 Mar;152:199–204

Surgery for morbid obesity. Meyer SA. **Am Fam Physician** 1986 Jul;34(1):159–63

Gastric "tattooing": a technique for anatomic localization of small bleeding lesions [letter] Alberti-Flor JJ, et al. **Am J Gastroenterol** 1986 Aug;81(8):725–6

Psychological and social aspects of the surgical treatment of obesity. Stunkard AJ, et al. **Am J Psychiatry** 1986 Apr; 143(4):417–29 (107 ref.)

Jejunal interposition gastroduodenostomy with automated suturing devices. Jascalevich MC. **Am J Surg** 1986 Sep; 152(3):320–2

Valvuloplasty plus fundoplasty to prevent esophageal regurgitation in esophagogastrostomy after proximal gastrectomy. Matsushiro T, et al. **Am J Surg** 1986 Sep; 152(3):314–9

Blunt esophagectomy and gastric interposition for tumors of the cervical esophagus and hypopharynx. Kron IL, et al. **Am Surg** 1986 Mar;52(3):140–1

Gastroplasty conversion to Roux-en-Y gastric bypass at the lesser curvature due to weight loss failure. Torres JC, et al. **Am Surg** 1985 Oct;51(10):559–62

Gastrotomy—a surgical approach to iron overdose. Foxford R, et al. **Ann Emerg Med** 1985 Dec;14(12):1223–6

Vertical banded gastroplasty: operation for morbid obesity [letter] Harrison RA, et al. **Ann R Coll Surg Engl** 1986 May;68(3):175

A quantitative assessment of results with the Angelchik prosthesis [letter] Salama FD. **Ann R Coll Surg Engl** 1986 Jan;68(1):55–6

Which gastroplasty for the correction of massive obesity? Shearman CP, et al. **Ann R Coll Surg Engl** 1986 May; 68(3):139–42

Gastric bypass with Roux en Y. Surgical treatment for morbid obesity. Williams RM, et al. **AORN J** 1986 May; 43(5):1094–105

Neurologic complications of gastric partitioning [letter] Feit H, et al. **Arch Neurol** 1986 Jul;43(7):642

Esophagogastrectomy with use of a single gastrotomy for pyloromyectomy and insertion of EEA stapler and gastrostomy tube. Shiu MH. **Arch Surg** 1986 Aug; 121(8):961–5

Hypoxemia after gastric bypass surgery for morbid obesity. Taylor RR, et al. **Arch Surg** 1985 Nov;120(11):1298–302

Pre-operative psychiatric assessment of patients presenting for gastric bariatric surgery (surgical control of morbid obesity). Gertler R, et al. **Aust NZ J Surg** 1986 Feb; 56(2):157–61

Modified vertical banded gastroplasty as revision of failed high gastric reduction for morbid obesity. Ramsey-Stewart G. **Aust NZ J Surg** 1986 Jan;56(1):73–6

A simplified technique for construction of a gastric pouch for morbid obesity surgery. van Rij AM. **Aust NZ J Surg** 1985 Aug;55(4):403–4

The effect of gastric partitioning on gastric emptying in morbidly obese patients. Gannon MX, et al. **Br J Surg** 1985 Dec;72(12):952–4

Mortality and morbidity after anterior lesser curve seromyotomy with posterior truncal vagotomy for duodenal ulcer. Taylor TV, et al. **Br J Surg** 1985 Dec; 72(12):950–1

Technique for banding vertical gastroplasties. Salmon PA. **Can J Surg** 1985 Nov;28(6):474–5

Failure of gastroplasty pouch and stoma size to correlate with postoperative weight loss. Salmon PA. **Can J Surg** 1986 Jan;29(1):60–3

Gastroplasty and breast cancer [letter] Geggie PH. **Can Med Assoc J** 1985 Nov 1;133(9):846

Enhancing psychosocial adaptation to gastric partitioning for morbid obesity. Randolph J. **Can Med Assoc J** 1986 Jun 15;134(12):1359–61

Gastric surgery for respiratory insufficiency of obesity. Sugerman HJ, et al. **Chest** 1986 Jul;90(1):81–6

Cardiac arrhythmias during sleep in morbidly obese sleep-apneic patients before and after gastric bypass surgery. Peiser J, et al. **Clin Cardiol** 1985 Oct;8(10):519–21

Gastric emptying before and after transverse gastroplasty for morbid obesity. Vezina WC, et al. **Clin Nucl Med** 1986 May;11(5):308–12

Meal-stimulated neurotensin immunoreactivity in plasma following gastric surgery: characterisation with two region-specific antisera. Shaw C, et al. **Digestion** 1986; 33(3):152–60

Cancer risk of the operated stomach [letter] Langhans P, et al. **Endoscopy** 1985 Sep;17(5):200–1

Removal of bezoars from stomach using an endoscopic drill [letter] Chen GH. **Gastrointest Endosc** 1985 Oct;31(5):355

Retrieval of two intragastric rings by a novel approach [letter] Norton RA, et al. **Gastrointest Endosc** 1985 Oct; 31(5):352

Radiology of colonic interposition and its associated complications. Christensen LR, et al. **Gastrointest Radiol** 1986;11(3):233–40

Gastric-bypass-induced pneumothorax. Pomeranz SJ, et al. **Gastrointest Radiol** 1985;10(4):333–5

Gastric emptying after gastric bypass. Horowitz M, et al. **Int J Obes** 1986;10(2):117–21

Gastric by-pass surgery in morbidly obese patients markedly decreases serum levels of vitamins A and C and iron in the peri-operative period. Nanji AA, et al. **Int J Obes** 1985; 9(3):177–9

Adipocyte best production before and after weight reduction by gastroplasty. Olsson SA, et al. **Int J Obes** 1986; 10(2):99–105

Rate of weight loss after vertical banded gastroplasty in morbid obesity: relationship to serum lipids and uric acid. Nanji AA, et al. **Int Surg** 1985 Oct–Dec;70(4):323–5

The effects on colonic mucosa of transposition to the stomach. Ratto GB, et al. **Int Surg** 1985 Jul–Sep; 70(3):237–41

Gastric partitioning for morbid obesity: postoperative weight loss, technical complications, and protein status. Graney AS, et al. **J Am Diet Assoc** 1986 May;86(5):630–5

Pylorectomy and gastroduodenostomy in the dog: technique and clinical results in 28 cases. Walter MC, et al. **J Am Vet Med Assoc** 1985 Nov 1;187(9):909–14

Recurrent ulceration in the postoperative stomach [letter] Ott DJ, et al. **J Clin Gastroenterol** 1986 Jun;8(3 Pt 1):317–8

Raised hepatic free fatty acids in a patient with acute fatty liver after gastric surgery for morbid obesity. Cairns SR, et al. **J Clin Pathol** 1986 Jun;39(6):647–9

An antireflux procedure for use with the reversed gastric tube. Buras RR, et al. **J Pediatr Surg** 1986 Jun;21(6):545–7

The surgical management of children with familial dysautonomia. Vinograd I, et al. **J Pediatr Surg** 1985 Dec; 20(6):632–6

Gastric bypass surgery for morbid obesity. Experience in a community hospital. Khanna TS. **J R Coll Surg Edinb** 1985 Aug;30(4):242–4

Use of a plastic sleeve to lead the stomach through the mediastinum [letter] Butz RO. **J Thorac Cardiovasc Surg** 1985 Oct;90(4):632

Gastric restrictive surgery for morbid obesity [letter] Kral JG. **JAMA** 1985 Nov 1;254(17):2410–1

Neural tube defects after gastric bypass [letter] Haddow JE, et al. **Lancet** 1986 Jun 7;1(8493):1330

Mortality from gastric cancer after gastric surgery for peptic ulcer [letter] Logan RF. **Lancet** 1986 Jun 28;1(8496):1505

Hypoparathyroidism following total laryngopharyngectomy and gastric pull-up. Krespi YP, et al. **Laryngoscope** 1985 Oct;95(10):1184–7

Vertical gastroplasty for morbid obesity: clinical experience. Hocking MP, et al. **Mayo Clin Proc** 1986 Apr;61(4):287–91

Fasting- and meal-stimulated peptide hormone concentrations before and after gastric surgery for morbid obesity. Meryn S, et al. **Metabolism** 1986 Sep;35(9):798–802

Gastric tube esophagoplasty. Anderson KD. **Prog Pediatr Surg** 1986;19:55–61

Psychiatric evaluation in gastric surgery for obesity. Dubovsky SL, et al. **Psychother Psychosom** 1985; 44(3):144–50

Controlled percutaneous gastrostomy: nylon T-fastener for fixation of the anterior gastric wall. Brown AS, et al. **Radiology** 1986 Feb;158(2):543–5

Morbid obesity treated by gastroplasty: radionuclide gastric emptying studies [letter] Drane WE. **Radiology** 1986 Jun; 159(3):816–7

Cancer in the operated stomach. Premalignant lesions as an indication for remedial surgery. Langhans P, et al. **S Afr J Surg** 1986 Mar;24(1):9–14

Anastomotic leaks and perforations after gastric surgery for morbid obesity. A report of 4 cases. Saadia R, et al. **S Afr J Surg** 1985 Dec;23(4):163–6

The surgical management of morbid obesity. Theron EJ, et al. **S Afr J Surg** 1986 Jun;24(2):63–5

Morbid obesity treated with gastric partitioning and gastrogastrostomy. Amland PF, et al. **Scand J Gastroenterol** 1986 Apr;21(3):369–73

Pouch emptying of solid foods after gastroplasty for morbid obesity. Andersen T, et al. **Scand J Gastroenterol** 1985 Dec; 20(10):1175–9

Enterogastric reflux after gastric surgery. A comparison between gastroduodenostomy and Roux diversion. Karlqvist PA, et al. **Scand J Gastroenterol** 1985 Sep; 20(7):861–7

Coeliac plexus block versus pancreaticogastrostomy for pain in chronic pancreatitis. A controlled randomized trial. Madsen P, et al. **Scand J Gastroenterol** 1985 Dec; 20(10):1217–20

Food intake before and after gastroplasty for morbid obesity. Miskowiak J, et al. **Scand J Gastroenterol** 1985 Oct; 20(8):925–8

Rapidly advancing pseudotumor cerebri associated with morbid obesity: an indication for gastric exclusion. Noggle JD, et al. **South Med J** 1986 Jun;79(6):761–3

Gastric partition after reversal of jejunoileal bypass for morbid obesity: three-year follow-up. Robertson JW, et al. **South Med J** 1985 Nov;78(11):1314–6

Nonoperative management of stomal stenosis after gastroplasty for morbid obesity. Al-Halees ZY, et al. **Surg Gynecol Obstet** 1986 Apr;162(4):349–54

Perspective: gastric restriction for morbid obesity. Halverson JD, et al. **Surgery** 1986 Jul;100(1):126–8

Vertical banded gastroplasty: assessment of efficacy. Makarewicz PA, et al. **Surgery** 1985 Oct;98(4):700–7

Changes in body composition and dietary intake after gastric partitioning for morbid obesity. Raymond JL, et al. **Surgery** 1986 Jan;99(1):15–9

The effect of somatostatin on dumping after gastric surgery: a preliminary report. Reasbeck PG, et al. **Surgery** 1986 Apr; 99(4):462–8

The gastro-clip gastroplasty: an alternative surgical procedure for the treatment of morbid obesity. Bashour SB, et al. **Tex Med** 1985 Oct;81(10):36–8

Oesophagogastrectomy using the end to end anastomotic stapler: results of the first 100 patients. Donnelly RJ, et al. **Thorax** 1985 Dec;40(12):958–9

Late complications of reversed gastric tube oesophagoplasty. Sitges AC, et al. **Thorax** 1986 Jan;41(1):61–5

Cancer of the gastric stump: analyses of 819 patients and comparison with other stomach cancer patients. Viste A, et al. **World J Surg** 1986 Jun;10(3):454–61

[Operative interventions in gastro-duodenal surgery during glucagon hypotonia] Moshev B, et al. **Khirurgiia (Sofiia)** 1985;38(6):102–4 (Bul)

[The use of a pedicled gastric flap for covering of a severe defect of the duodenum] Lu SS. **Chung Hua Wai Ko Tsa Chih** 1986 Jan;24(1):4–5, 61 (Eng. Abstr.) (Chi)

[Ultrasonic follow-up of obese patients operated on by stomach bypass] Lindholt J, et al. **Ugeskr Laeger** 1986 Jan 27;148(5):258–60 (Eng. Abstr.) (Dan)

[Psychological aspects of stomach partitioning (letter)] Bender J. **Ned Tijdschr Geneeskd** 1986 May 24;130(21):979 (Dut)

[Psychological aspects of gastric partitioning, surgical treatment of patients with extreme obesity; preliminary results] Bleijenberg G, et al. **Ned Tijdschr Geneeskd** 1986 Apr 12;130(15):693–6 (Eng. Abstr.) (Dut)

[Surgical aspects of stomach division in the treatment of morbid obesity] de Graaff P. **Ned Tijdschr Geneeskd** 1985 Dec 21;129(51):2474–5 (Dut)

[Surgical aspects of stomach partitioning in the treatment of morbid obesity] Heevel JG, et al. **Ned Tijdschr Geneeskd** 1985 Oct 19;129(42):2027–31 (Eng. Abstr.) (Dut)

[A new technic of gastric tube esophagoplasty in children] Ionescu GO, et al. **Chir Pediatr** 1985;26(6):328–30 (Eng. Abstr.) (Fre)

[Advantages of left thoracic stomach interposition following esophagus resection for cancer] Husemann B. **Langenbecks Arch Chir** 1985;366:153–5 (Eng. Abstr.) (Ger)

[Animal experiment studies of suture material and suture technic of the stomach] Raab M, et al. **Langenbecks Arch Chir** 1985;365(4):267–77 (Eng. Abstr.) (Ger)

[Indications and results of transdiaphragmatic stomach transposition (without thoracotomy) in advanced hypopharyngeal and esophageal cancer] Morgenstern C, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 May;65(5):264–7 (Eng. Abstr.) (Ger)

[Esophageal carcinoma: surgery using transhiatal esophagectomy without thoracotomy] Barbier P, et al. **Schweiz Med Wochenschr [Suppl]** 1985;19:9–15 (Eng. Abstr.) (Ger)

[Retrosternal gastric bypass in the palliative treatment of advanced carcinoma of the thoracic esophagus] Forni E, et al. **Chir Ital** 1984 Oct;36(5):760–72 (Eng. Abstr.) (Ita)

[Retrosternal gastric bypass in the treatment of inoperable neoplasms of the esophagus] Amorotti C, et al. **Minerva Chir** 1986 Jan 31;41(1–2):9–13 (Eng. Abstr.) (Ita)

[Total gastrectomy or gastric resection in neoplasms of the stomach] Foco A, et al. **Minerva Chir** 1986 Apr 30; 41(8):613–6 (Eng. Abstr.) (Ita)

[Post-operative atony of the gastric stump during treatment with H2 antagonists] Musiani R, et al. **Minerva Chir** 1985 Dec 15–31;40(23–24):1653–8 (Eng. Abstr.) (Ita)

[Gastroplasty and jejunoileal bypass in the surgical treatment of severe obesity] Vita PM, et al. **Minerva Med** 1986 Mar 31;77(13):511–5 (Ita)

[Experimental and clinical studies on the viability of the stomach roll for esophageal reconstruction] Miyoshi H. **Nippon Geka Gakkai Zasshi** 1986 May;87(5):499–509 (Eng. Abstr.) (Jpn)

[Gastric ulcer after subtotal esophagectomy and esophagogastroplasty] Kunzle JE, et al. **AMB** 1985 Mar–Apr;31(3–4):62–4 (Eng. Abstr.) (Por)

[The role of gastroplasty in the treatment of obstructive sleep apnea] Reimão R, et al. **Arq Neuropsiquiatr** 1986 Mar; 44(1):38–43 (Eng. Abstr.) (Por)

[Diagnostic and therapeutic potentials of endoscopy of the operated stomach (a review of the literature)] Bachev II. **Khirurgiia (Mosk)** 1985 Oct;(10):114–8 (52 ref.) (Rus)

[Repeat surgery after fundoplication by the Nissen method] Chernousov AF, et al. **Khirurgiia (Mosk)** 1985 Sep;(9):5–10 (Rus)

[A method of mechanical compression opening of hollow organs] Kanshin NN, et al. **Khirurgiia (Mosk)** 1985 Dec; (12):105–7 (Rus)

[Immediate and late results of truncal vagotomy with drainage operations on the stomach in the surgery of complicated forms of duodenal peptic ulcer] Khachiev LG, et al. **Klin Khir** 1985;(8):40–2 (Eng. Abstr.) (Rus)

[Immunological basis for vagotomy without drainage of the stomach] Shevchuk MG, et al. **Klin Khir** 1985;(8):4–6 (Eng. Abstr.) (Rus)

[Errors in performing operations on the stomach and intestines] Spivak VP, et al. **Klin Khir** 1985;(8):60–1 (Rus)

[Role of impaired regional blood flow in the etiology of pancreatitis after resection of the stomach] Koval'chuk LA. **Sov Med** 1985;(7):17–20 (Eng. Abstr.) (Rus)

[Surgery on the stomach in the treatment of pathologic obesity] Sedletskiĭ IuI. **Vestn Khir** 1986 Mar;136(3):133–6 (45 ref.) (Rus)

[Mechanical circumferential anastomoses of the gastrointestinal tract] Jablonický S, et al. **Rozhl Chir** 1985 Oct;64(10):672–8 (Eng. Abstr.) (Slo)

[Surgical treatment of morbid obesity] Wong JC. **Rev Med Panama** 1986 May;11(2):103–6 (Eng. Abstr.) (Spa)

TRANSPLANTATION

Anatomical study of retrosternal gastric esophagoplasties. Koskas F, et al. **Anat Clin** 1985;7(4):237–56

Motor activity of esophageal substitute (stomach, jejunal, and colon segments). Moreno-Osset E, et al. **Ann Thorac Surg** 1986 May;41(5):515–9

[Esophagocardioplasty with a serous muscle flap of the stomach on a vascular pedicle] Zurnadzh'iants VA, et al. **Khirurgiia (Mosk)** 1985 Oct;(10):86–8 (Rus)

[Primary esophagoplasty using a gastric tube in esophageal cancer] Orokhovskiĭ VI, et al. **Klin Khir** 1985;(10):31–4 (Eng. Abstr.) (Rus)

ULTRASTRUCTURE

Preparation of rat gastric heavy and light microsomal membranes enriched in (H+–K+)-ATPase using 2H2O and Percoll gradients. Im WB, et al. **Biochem Biophys Res Commun** 1985 Sep 16;131(2):905–11

Application of rapid freezing followed by freeze-substitution acrolein fixation for cytochemical studies of the rat stomach. Murata F, et al. **Histochem J** 1985 Sep; 17(9):967–80

The effects of mucus on the binding of cationized ferritin by human and animal gastrointestinal epithelium. Sturrock N, et al. **Histochemistry** 1986;85(3):255–8

Use of secondary electron detectors for compositional studies on embedded biological material. Scala C, et al. **Scan Electron Microsc** 1985;(Pt 4):1709–18

STOMACH CONTENTS see GASTROINTESTINAL CONTENTS

STOMACH DILATATION

COMPLICATIONS

Adult survival with intrahepatic portal venous gas secondary to acute gastric dilatation, with a review of portal venous gas. Benson MD. **Clin Radiol** 1985 Jul;36(4):441–3

ETIOLOGY

[Acute gastrectasis after open-heart surgery under extracorporeal circulation: a report of 20 cases] Wang G, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Dec;23(12):753–6, 783 (Eng. Abstr.) (Chi)

VETERINARY

Gastric dilation in bloodhounds [letter] Dakin GW. **Vet Rec** 1986 Feb 15;118(7):190

Gastric dilation in dogs. Janz R. **Vet Rec** 1986 Mar 15; 118(11):310–1

STOMACH DISEASES

Ageing and the stomach. Steinheber FU. **Clin Gastroenterol** 1985 Oct;14(4):657–88 (190 ref.)

The British Society of Gastroenterology. 46th annual meeting. Newcastle upon Tyne, 18–20 September 1985. Abstracts. **Gut** 1985 Oct;26(10):A1100–58

European Gastro Club. Abstracts of the 17th conference. Erlangen, October 18–19, 1985. **Hepatogastroenterology** 1986 Feb;33(1):34–46

[Crohn's disease of the stomach] Antoš Z, et al. **Vnitr Lek** 1985 Jul;31(7):711–5 (Eng. Abstr.) (Cze)

BLOOD

[Clinical significance of biogenic amines in gastroduodenal diseases] Khibin LS. **Klin Med (Mosk)** 1986 May;64(5):43–7 (Eng. Abstr.) (Rus)

CHEMICALLY INDUCED

Aspirin and the stomach. Graham DY, et al. **Ann Intern Med** 1986 Mar;104(3):390–8 (98 ref.)

Induction of forestomach lesions by butylhydroxyanisole and structurally related substances. Altmann HJ, et al. **Arch Toxicol [Suppl]** 1985;8:114–6

Influence of prednisolone on gastric alkaline response in rat stomach. A possible explanation for steroid-induced gastric lesion. Nobuhara Y, et al. **Dig Dis Sci** 1985 Dec; 30(12):1166–73

Pathogenesis of compound 48/80-induced gastric lesions in rats. Takeuchi K, et al. **Dig Dis Sci** 1986 Apr;31(4):392–400

Gastric damage from ingested acid in children. Gillis DA, et al. **J Pediatr Surg** 1985 Oct;20(5):494–6

Ethyl acrylate-induced gastric toxicity. III. Development and recovery of lesions. Ghanayem BI, et al. **Toxicol Appl Pharmacol** 1986 May;83(3):576–83

[Gastroduodenal tolerability of indomethacin and acetaminophen. A comparative endoscopic study in healthy subjects] Müller P, et al. **Arzneimittelforschung** 1986 Feb; 36(2):269–70 (Eng. Abstr.) (Ger)

COMPLICATIONS

Higher susceptibility to stomach lesions and long lasting retention of shock-induced motor depression in genetically hypertensive male rats. Golda V, et al. **Act Nerv Super (Praha)** 1986 Jun;28(2):152–3

Primary gastric lymphoma associated with Crohn's disease of the stomach. Kini SU, et al. **Am J Gastroenterol** 1986 Jan;81(1):23–5

Gastric xanthomatosis and cholestasis. A causal relationship. Coates AG, et al. **Dig Dis Sci** 1986 Sep;31(9):925–8

Gastric hemorrhage due to ruptured arteriovenous malformation (Dieulafoy's disease). Mower GA, et al. **Pathology** 1986 Jan;18(1):54–7

Gastric tuberculosis: a manifestation of acquired immunodeficiency syndrome. Brody JM, et al. **Radiology** 1986 May;159(2):347–8

[Gastric lesions in duodenal ulcer] Xu GM. **Chung Hua Nei Ko Tsa Chih** 1985 May;24(5):257–9, 317 (Eng. Abstr.) (Chi)

[Stomach torsion around its longitudinal axis as a cause of persistent vomiting in infants] Kacprzyk SS, et al. **Wiad Lek** 1986 Mar 15;39(6):387–90 (Eng. Abstr.) (Pol)

[Diagnosis of duodenogastric reflux by endoscopic examination in children with gastroduodenal diseases] Apostolov BG, et al. **Pediatriia** 1986 Mar;(3):36–8 (Rus)

[Pathogenesis of respiratory insufficiency in diseases of the lungs and organs in the abdominal cavity] Rodionov VV, et al. **Probl Tuberk** 1985;(5):23–7 (Eng. Abstr.) (Rus)

CONGENITAL

Pyloroduodenal duplication cyst. Tihansky DP, et al. **Am J Gastroenterol** 1986 Mar;81(3):189–91

DIAGNOSIS

Gastric sacariasis. Choudhuri G, et al. **Am J Gastroenterol** 1986 Sep;81(9):788–90

Gastroscopy is feasible through a Celestin tube [letter]

Gelzayd EA, et al. **Gastrointest Endosc** 1985 Oct; 31(5):355–6

All that glisters is not gold. Kassirer JP, et al.
Hosp Pract [Off] 1985 Dec 15;20(12):19–20, 22, 24 passim

Sonography of the normal and abnormal stomach (excluding hypertrophic pyloric stenosis in children. Stringer DA, et al. **J Ultrasound Med** 1986 Apr;5(4):183–8

Gastric amyloidosis simulating antral malignancy on ultrasound. Leekam RN, et al. **JCU** 1985 Sep;13(7):485–7

[Current value of the gastrocamera in comparison with the Olympus endoscope system] von Gaisberg U, et al.
Dtsch Med Wochenschr 1986 Jul 25;111(30):1165–7 (Ger)

[Functional disorders of the digestive tract. I: Esophagus, stomach and bile ducts] Lederer PC, et al.
Fortschr Med 1986 Jul 24;104(27–28):533–6 (Eng. Abstr.) (Ger)

[Ascaridiasis in a gastroresected patient: infrequent endoscopic finding. Presentation of a clinical case] Chiavinato C, et al. **Minerva Dietol Gastroenterol** 1986 Jan–Mar;32(1):93–4 (Eng. Abstr.) (Ita)

[Endoscopic evaluation of the incidence of lesions of the upper digestive tract in a suburban hospital service] Di Saverio G, et al. **Minerva Dietol Gastroenterol** 1986 Apr–Jun;32(2):187–93 (Eng. Abstr.) (Ita)

[Gastroesophageal prolapse. Description of a special case] Tempesti M, et al. **Minerva Dietol Gastroenterol** 1986 Jan–Mar;32(1):95–6 (Eng. Abstr.) (Ita)

[Endoscopic findings in subjects with dyspepsia] Zappalà E, et al. **Minerva Dietol Gastroenterol** 1985 Oct–Dec; 31(4):609–12 (Eng. Abstr.) (Ita)

[Contrast effects of glucagon and effervescent granules on gastrointestinal MRI (magnetic resonance imaging)] Moriyasu F, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jan;83(1):40–6 (Eng. Abstr.) (Jpn)

[Diagnostic and therapeutic potentials of endoscopy of the operated stomach (a review of the literature)] Bachev II. **Khirurgiia (Mosk)** 1985 Oct;(10):114–8 (52 ref.) (Rus)

[Endoscopic diagnosis of cardial insufficiency in patients with gastrointestinal hemorrhages of peptic etiology] Zaltsev VT, et al. **Klin Khir** 1985;(8):43–5 (Eng. Abstr.) (Rus)

[Eosinophilic granuloma of the stomach] Ponomarev AA, et al. **Klin Med (Mosk)** 1985 Jul;63(7):28–33 (Rus)

[Comparative study of the blood serum activity of aminotransferases and amylase in patients with gastroduodenal pathology] Evdokimov VG, et al.
Lab Delo 1985;(12):742–3 (Eng. Abstr.) (Rus)

[Use of pathognomic, specific and nonspecific symptoms for diagnosing ulcers and other stomach diseases] Tkach IuI. **Lab Delo** 1986;(3):185–7 (18 ref.) (Eng. Abstr.) (Rus)

[10 years' experience with ambulatory esophagogastroduodenoscopy in children] Gershman GB, et al. **Pediatriia** 1986 Mar;(3):52–5 (Rus)

[Urgent problems of gastrointestinal endofibroscopy in children] Mazurin AV. **Pediatriia** 1986 Mar;(3):30–4 (Rus)

[Clinico-diagnostic importance of instrumental study methods and the problems of the pathogenetic therapy of chronic stomach and duodenal diseases in children] Moroz AD. **Pediatriia** 1986 Apr;(4):55–7 (Rus)

[Stomach lesion in secondary recurrent syphilis] Fedorov IuP, et al. **Vestn Dermatol Venerol** 1985 Nov;(11):68–70 (Eng. Abstr.) (Rus)

[Diagnosis of acute organic disease of the abdominal cavity in the gastralgic form of myocardial infarct] Skripnichenko DF, et al. **Vrach Delo** 1985 Oct;(10):36–7 (Eng. Abstr.) (Rus)

[Presentation of a new case of Whipple's disease with gastric and small intestinal involvement] Garza Trasobares E, et al. **Rev Esp Enferm Apar Dig** 1986 Jun;69(6):577–82 (Eng. Abstr.) (Spa)

DRUG THERAPY

Endoscopic local injection of hypertonic saline-epinephrine solution to arrest hemorrhage from the upper gastrointestinal tract. Hirao M, et al.
Gastrointest Endosc 1985 Oct;31(5):313–7

[Correlation between features of the action of drugs in children with characteristics of the individual genotype] Luk'ianova EM, et al. **Vestn Akad Med Nauk SSSR** 1985; (9):77–82 (Eng. Abstr.) (Rus)

ETIOLOGY

Gastric motility is a major factor in cold restraint-induced lesion formation in rats. Garrick T, et al. **Am J Physiol** 1986 Feb;250(2 Pt 1):G191–9

Leaks and obstruction after gastric resection. Ahmad W, et al. **Am J Surg** 1986 Sep;152(3):301–7

Seasonal variations of inflammation and ulcer incidence as assessed by upper digestive tract endoscopy. Markiewicz A, et al. **Chronobiologia** 1986 Apr–Jun;13(2):117–21

Gastric motility is stimulated but overall blood flow is unaffected during cold restraint in the rat. Garrick T, et al. **Gastroenterology** 1986 Jul;91(1):141–8

You see what you look for [editorial] Morrissey JF.
Gastroenterology 1986 Aug;91(2):481–2

Voodoo and foreign bodies of the stomach [letter] Mathews JL. **Gastrointest Endosc** 1985 Dec;31(6):408–9

Gastric ameboma, a complication of amebic liver abscess: a case report. Wongpaitoon V, et al.
J Med Assoc Thai 1985 Jul;68(7):378–83

Gastric pneumatosis intestinalis associated with cholangiocarcinoma. Holt RW, et al. **South Med J** 1986 Jan;79(1):79–80

[Strangulation of the stomach by a diaphragmatic hernia of surgical origin] Dorado A, et al. **Cah Anesthesiol** 1986 May; 34(3):259–61 (Fre)

[Ulcers of the neck of hiatal hernias. 15 cases] Cougard P, et al. **J Chir (Paris)** 1985 Jun–Jul;122(6–7):399–402 (Eng. Abstr.) (Fre)

[Cancer and gastric sarcoidosis] Tissot E, et al.
J Chir (Paris) 1985 Aug–Sep;122(8–9):479–81 (Eng. Abstr.) (Fre)

[Gasterophilus-induced myiasis in children] Tsvetkov KS, et al. **Pediatriia** 1986 Jun;(6):66–7 (Rus)

[Lesions of the upper segments of the gastrointestinal tract in children with scleroderma] Klimanskaia EV, et al.
Revmatologiia (Moskva) 1986 Jan–Mar;(1):26–9 (Eng. Abstr.) (Rus)

[Cases of syphilitic lesions of the stomach] Vinokurov IN, et al. **Vestn Dermatol Venerol** 1986;(4):60–3 (Eng. Abstr.) (Rus)

[Pyloric Campylobacter and esophago-gastroduodenal pathology (editorial)] León-Barua R.
Acta Gastroenterol Latinoam 1985;15(2):129–31 (Spa)

IMMUNOLOGY

[3H-TdR lymphocyte transfer value and plasma cAMP and cGMP levels in patients with chronic gastric diseases due to splenic deficiency and its clinical significance] Yin GY. **Chung Hsi I Chieh Ho Tsa Chih** 1985 Nov;5(11):671–3, 644 (Eng. Abstr.) (Chi)

[Measurement and application of carcinoembryonic antigen in the serum, gastric juice, and gastric mucosa in various gastric diseases] Chang T, et al.
Chung Hua Nei Ko Tsa Chih 1985 Oct;24(10):607–10, 639 (Eng. Abstr.) (Chi)

[Primary, exclusively gastric localization of alpha-chain disease: anatomo-clinical and immunohistochemical study] Gargouri M, et al. **Gastroenterol Clin Biol** 1985 Nov; 9(11):838–43 (Eng. Abstr.) (Fre)

[Immunohistologic study of the localization of organ-specific antigens of the stomach and intestine and carcinoembryonic antigen in normal and pathologically altered stomach tissues] Pugachev KK, et al. **Arkh Patol** 1986;48(6):55–60 (Eng. Abstr.) (Rus)

METABOLISM

Gastric clearance of alpha-1-antitrypsin under cimetidine perfusion. New test to detect protein-losing gastropathy? Florent C, et al. **Dig Dis Sci** 1986 Jan;31(1):12–5

Amino acid patterns in human gastric juice in health and gastric disease. Segawa K, et al. **Jpn J Med** 1985 Aug; 24(3):244–9

[Bioenergy metabolism in gastric mucosa] Shchedrunov VV, et al. **Klin Med (Mosk)** 1985 Aug;63(8):19–25 (Rus)

PATHOLOGY

Gastric hyalinization presenting in life and mimicking gastric cancer. Parrott NR, et al. **Arch Pathol Lab Med** 1986 Feb; 110(2):155–6

Erosion: a correlative endoscopic histopathologic multicenter study. Gad A. **Endoscopy** 1986 May;18(3):76–9

Erosion—an endoscopic-histological puzzle [editorial] Mařatka Z. **Endoscopy** 1986 May;18(3):75

Gastric form of alpha chain disease. Coulhois J, et al.
Gut 1986 Jun;27(6):719–25

Sarcoidosis of the stomach. Endoscopic diagnosis and possibilities of conservative treatment. Chlumský J, et al.
Hepatogastroenterology 1985 Oct;32(5):255–7

Histological analysis of upper gastrointestinal endoscopic biopsies. Simha MR, et al. **Indian J Gastroenterol** 1986 Jul; 5(3):197

The intramucosal cysts of the stomach. VII: A pathway of gastric carcinogenesis? Rubio CA, et al. **J Surg Oncol** 1986 Aug;32(4):214–9

Eosinophilic granuloma of the stomach. van Rensburg LC, et al. **J Surg Oncol** 1986 Feb;31(2):143–7

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 43–1985. A 70-year-old man with diarrhea, weight loss, and recurrent atrial fibrillation. **N Engl J Med** 1985 Oct 24;313(17):1070–9

Gastric xanthomas. Pieterse AS, et al. **Pathology** 1985 Jul; 17(3):455–7

[Clinical and endoscopic studies of antral erosion] Wang WM, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Sep; 84(9):1071–7 (Eng. Abstr.) (Chi)

[Postmortem gastrointestinal ruptures in burn cadavers] Schneider V, et al. **Arch Kriminol** 1986 Jan–Feb; 177(1–2):29–33 (Eng. Abstr.) (Ger)

[Sarcoidosis involvement and adenocarcinoma of the stomach] Koppe P, et al.
Dtsch Z Verdau Stoffwechselkr 1985;45(6):261–8 (Eng. Abstr.) (Ger)

[Blind biopsy in gastroscopy—pro] Becker V.
Z Gastroenterol 1986 Mar;24(3):136–8 (Ger)

[Blind biopsy in gastroscopy—contra] Ottenjann R.
Z Gastroenterol 1986 Mar;24(3):139–40 (Ger)

[A rare lesion of the gastric mucosa: xanthomatosis] Cavallo G, et al. **Chir Patol Sper** 1983 Oct;31(5):215–26 (Eng. Abstr.) (Ita)

[Eosinophilic granuloma of the stomach associated with polyarthritis] Nussinson E, et al. **Minerva Med** 1986 Feb 18;77(5–6):187–90 (Eng. Abstr.) (Ita)

[Chronic erosion of the stomach (clinico-morphologic study)] Aruin LI, et al. **Arkh Patol** 1985;47(12):26–33 (Eng. Abstr.) (Rus)

[Changes in the gastroduodenal system in chronic nonspecific lung diseases] Galankin VN, et al. **Arkh Patol** 1985; 47(11):84–9 (70 ref.) (Eng. Abstr.) (Rus)

[Ménétrier's disease combined with other stomach diseases] Ibadov IIu. **Klin Khir** 1985;(8):74–5 (Rus)

[Ulcerative and gummous skin and stomach lesions] Rueva Kh, et al. **Vestn Dermatol Venerol** 1986;(4):63–4 (Eng. Abstr.) (Rus)

[Phlegmon of the gastric stump with perforation in the early postoperative period] Borodin IF, et al. **Vestn Khir** 1985 Sep;135(9):58–9 (Rus)

PHYSIOPATHOLOGY

Gastric emptying disorders. Rogers AI. **Compr Ther** 1985 Dec;11(12):20–5

Relationship between impaired gastric emptying and abnormal gastrointestinal motility. Camilleri M, et al.
Gastroenterology 1986 Jul;91(1):94–9

PREVENTION & CONTROL

[Effect of peanut oil and oleic acid on indomethacin-induced gastric mucosal damage in rats] Guo YS, et al.
Sheng Li Hsueh Pao 1985 Jun;37(3):229–34 (Eng. Abstr.) (Chi)

PSYCHOLOGY

Stomach disorders and type A–B behavior. Hicks RA, et al. **Psychol Rep** 1985 Dec;57(3 Pt 2):1254

[Role of the nervous factor in the development of pathology of the internal organs as a result of exposing the body to extremely stressful treatment] Zavodskaia IS, et al.
Fiziol Zh SSSR 1986 Jan;72(1):83–92 (34 ref.) (Eng. Abstr.) (Rus)

[Genotypical and seasonal aspects of the development of neurogenic dystrophy of the stomach and reactions of the pituitary-adrenal system during emotional stress in mice] Koriakina LA. **Patol Fiziol Eksp Ter** 1985 Sep–Oct; (5):17–21 (Eng. Abstr.) (Rus)

RADIOGRAPHY

Radiologic findings of linear gastric erosions. Momoshima S, et al. **AJR** 1986 Oct;147(4):701–3

Retrograde jejuno-duodeno-gastric intussusception. Lamont AC, et al. **Br J Radiol** 1985 Jun;58(690):559–61

Gastric emphysema demonstrated by computed tomography. Martin DF, et al. **Br J Radiol** 1986 May;59(701):505–7

Gastroduodenal intussusception due to the prolaps of a gastric adenoma. A case report. van Namen YW.
Diagn Imag Clin Med 1986;55(3):177–9

Gastric concretion forming around a suture nidus and mimicking a gastric polyp on radiographs. Rex DK, et al.
Endoscopy 1985 Sep;17(5):196–7

Invasive gastric candidiasis. Pugh TF, et al.
Pediatr Radiol 1986;16(1):67–8

Stomach and duodenum: radiographic magnification using computed radiography (CR). Nakano Y, et al.
Radiology 1986 Aug;160(2):383–7

Cryptosporidiosis of the gastric antrum: detection using CT. Soulen MC, et al. **Radiology** 1986 Jun;159(3):705–6

Amyloidosis and plasma cell dyscrasias: gastrointestinal involvement. Carlson HC, et al. **Semin Roentgenol** 1986 Apr;21(2):128–38

[Gastric emphysema and emphysematous gastritis] Aagaard-Jensen CM, et al. **Ugeskr Laeger** 1986 Apr 14; 148(16):963–4 (Eng. Abstr.) (Dan)

[Acquired double pylorus. Apropos of a case] Balzaretti G, et al. **Radiol Med (Torino)** 1984 Dec;70(12):1000–2 (Ita)

[Inguinal hernia of the stomach. A case] Resente F, et al.
Radiol Med (Torino) 1986 Jul–Aug;72(7–8):597–8 (Ita)

[Improvement of roentgenodiagnosis of stomach diseases] Iakimenko VF, et al. **Sov Med** 1985;(7):30–3 (Eng. Abstr.) (Rus)

[Primary (simultaneous) double contrast in roentgenological examination of the stomach] Koroliuk IP, et al.
Sov Med 1985;(9):101–5 (Rus)

[Intramural gastric emphysema: an unusual radiologic finding] Quintans Rodriguez A, et al.
Rev Esp Enferm Apar Dig 1985 Oct;68(4):353–6 (Eng. Abstr.) (Spa)

RADIONUCLIDE IMAGING

[Metastatic calcification in the lungs and stomach demonstrated by bone scintigraphy] Jørgensen L, et al.
Ugeskr Laeger 1985 Nov 25;147(48):3902–3 (Eng. Abstr.) (Dan)

[Cine-esophagogastroscintigraphy. Experience with 1,500 explorations] Guillet J, et al.
Ann Gastroenterol Hepatol (Paris) 1985 Jul–Sep; 21(4):265–70 (Fre)

[Scintigraphic evaluation of esophagogastric function] Taillefer R, et al. **Union Med Can** 1986 Apr;115(4):235–41 (20 ref.) (Eng. Abstr.) (Fre)

[Radionuclide method of diagnosing cardial insufficiency of the stomach] Monakhov BV, et al. **Med Radiol (Mosk)** 1985 Oct;30(10):65–7 (Rus)

REHABILITATION

[Rehabilitation of patients with gastroduodenal pathology] Shchedrunov VV, et al. **Voen Med Zh** 1985 Sep;(9):60–1 **(Rus)**

SURGERY

Morbidity in diabetic and nondiabetic patients after abdominal surgery. Hjortrup A, et al. **Acta Chir Scand** 1985; 151(5):445–7

Gastrojejunostomy: a simple method of treatment of gastric volvulus. Farkas AG, et al. **Ann R Coll Surg Engl** 1986 Mar;68(2):107–9

Cytological brush entrapment: a hazard in the stomach postoperatively. Reynolds GA, et al. **Br Med J (Clin Res)** 1986 May 10;292(6530):1238

Risk of carcinoma following gastric operations for benign disease. A historical cohort study of 3470 patients. Viste A, et al. **Lancet** 1986 Aug 30;2(8505):502–5

[Surgical emergencies in neoplastic pathology of the stomach] Valle M, et al. **Minerva Chir** 1985 Sep 30; 40(18):1215–8 (Eng. Abstr.) **(Ita)**

[Organizational and treatment tactics of the medical aviation surgeon–consultant in gastroduodenal hemorrhages at a rural hospital] Gervaziev VB, et al. **Khirurgiia (Mosk)** 1985 Sep;(9):52–6 (Eng. Abstr.) **(Rus)**

THERAPY

Jejunostomy feeding in the management of gastroparesis diabeticorum [letter] Jacober SJ, et al. **Diabetes Care** 1986 Mar–Apr;9(2):217–9

The effect of oral potassium chloride on upper gastrointestinal mucosa in healthy subjects: healing of lesions despite continuing treatment. Moore JG, et al. **Gastrointest Endosc** 1986 Jun;32(3):210–2

Self-administered bolus jejunostomy feeding and gastric fluid reinfusion in patients with gastric atony. Rumley TO, et al. **JPEN J Parenter Enteral Nutr** 1985 Sep–Oct;9(5):626–9

VETERINARY

Use of a nasogastric tube for gastric and esophageal decompression in the dog and cat. Crowe DT Jr. **J Am Vet Med Assoc** 1986 May 15;188(10):1178–82

Primary gastric impaction in a pony. Honnas CM, et al. **J Am Vet Med Assoc** 1985 Sep 1;187(5):501–2

A case of Hyostrongylus rubidus infection in a pig. Sarashina T, et al. **Nippon Juigaku Zasshi** 1986 Feb;48(1):163–7

Gastric dilation in bloodhounds [letter] Pepper WJ. **Vet Rec** 1986 Jan 25;118(4):110

[Nematodes (Procyrnea mansioni, Spirurida) as a cause of stomach changes in Chinese nightingales (Leiothrix lutea) and Rothschild's mynah birds (Leucopsar rothschildi)] Ehrsam H, et al. **Schweiz Arch Tierheilkd** 1985 Oct; 127(10):665–70 (Eng. Abstr.) **(Ger)**

[Acute stomach dilatation and stomach torsion in the guinea pig] Gialamas J, et al. **Zentralbl Veterinarmed [A]** 1985 Dec; 32(10):772–7 (Eng. Abstr.) **(Ger)**

STOMACH DIVERTICULA

DIAGNOSIS

Partial gastric diverticula: radiological and endoscopic features in six patients. Dickinson RJ, et al. **Gut** 1986 Aug; 27(8):954–7

RADIOGRAPHY

Gastric diverticulum simulating an adrenal mass: CT appearance and embryogenesis. Schwartz AN, et al. **AJR** 1986 Mar;146(3):553–4

Gastric diverticulum mimicking adrenal mass: CT demonstration. Silverman PM. **J Comput Assist Tomogr** 1986 Jul–Aug;10(4):709–10

STOMACH NEOPLASMS

Simultaneous bilateral ocular metastases from a gastric carcinoma. Karnad A, et al. **Ann Ophthalmol** 1986 May; 18(5):188–90 (19 ref.)

Progressive blindness caused by metastatic occult signet-ring cell gastric carcinoma. McCrary JA 3d, et al. **Arch Ophthalmol** 1986 Mar;104(3):410–3

Early gastric carcinoma. Gondal R, et al. **Indian J Gastroenterol** 1986 Jan;5(1):55–6

Gastric polyps—a clinical study. Niv Y, et al. **Isr J Med Sci** 1985 Oct;21(10):841–4

Gastric teratoma in infancy. Earnshaw JJ. **J R Coll Surg Edinb** 1985 Jun;30(3):199–200

Gastric neurilemmoma: case report. Pinto AD, et al. **Mt Sinai J Med (NY)** 1985 Oct;52(8):647–9

Gastric inflammatory pseudotumor. Skogerson KE, et al. **Mt Sinai J Med (NY)** 1985 Oct;52(8):661–2

Leiomyoblastoma of the stomach. Postma CT, et al. **Neth J Med** 1986;29(4):126–8

Gastric carcinoma—a current clinical profile. Kruskal JB, et al. **S Afr Med J** 1986 Jul 5;70(1):7–10

Abdominal lymphoma. Novis BH, et al. **S Afr Med J** 1985 Sep 28;68(7):510–2

Gastric and small bowel lymphoma. ReMine SG, et al. **Surg Clin North Am** 1986 Aug;66(4):713–22

[A case of lipoma of the stomach] Saviano MS, et al. **Minerva Chir** 1986 May 15;41(9):803–7 (Eng. Abstr.) **(Ita)**

[Pregnancy and malignant tumors. Considerations on 5 cases] Giannoni S, et al. **Minerva Ginecol** 1985 Dec;37(12):771–3 (Eng. Abstr.) **(Ita)**

[Prophylactic and therapeutic continuous hyperthermic peritoneal perfusion for peritoneal metastases of gastric cancer] Koga S. **Gan No Rinsho** 1985 Jul;31(9 Suppl):1103–5 (Eng. Abstr.) **(Jpn)**

[A case of remission of metastatic gastric cancer lesions in the chest and abdominal wall by 5'-DFUR administration] Komuro K, et al. **Gan To Kagaku Ryoho** 1985 Nov; 12(11):2222–4 (Eng. Abstr.) **(Jpn)**

[Clinical study on serum 5'-nucleotide phosphodiesterase isoenzyme-V as a predictor of liver metastases in patients with gastric and colorectal cancers] Ogiwara H. **Nippon Geka Gakkai Zasshi** 1986 Aug;87(4):859–69 (Eng. Abstr.) **(Jpn)**

[A case of giant pseudocyst of the liver formed by metastasis of gastric cancer] Kamiya J, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 May;83(5):1049–52 **(Jpn)**

[Primary gastric lymphoma: clinical study of 23 cases] Casellas F, et al. **Med Clin (Barc)** 1986 Apr 19; 86(15):627–31 (Eng. Abstr.) **(Spa)**

[Efficiency of hepatosplenic scintigraphy in the detection of hepatic metastases in gastric cancer] Massardo T, et al. **Rev Med Chil** 1985 Feb;113(2):129–33 (Eng. Abstr.) **(Spa)**

ANALYSIS

Desensitization by histamine of H2 receptor activity in HGT-1 human cancerous gastric cells. Emami S, et al. **Agents Actions** 1986 Apr;18(1–2):129–33

Biochemical and immunohistochemical studies on the scirrhous carcinoma of human stomach. Nagai Y, et al. **Ann NY Acad Sci** 1985;460:321–32

Sulfated glycosaminoglycan composition of human gastric mucosa: effect of aging, chronic superficial gastritis and adenocarcinoma. Geocze S, et al. **Braz J Med Biol Res** 1985;18(4):487–92

Human chorionic gonadotropin in normal, inflammatory, and carcinomatous gastric tissue. Manabe T, et al. **Gastroenterology** 1985 Dec;89(6):1319–25

Localised plasmacytoma of stomach with immunohistochemical study—a case note. Maitra TK, et al. **Indian J Pathol Microbiol** 1985 Jan;28(1):81–4

Immunological analysis of glycolipids on cell surfaces of cultured human tumor cell lines: expression of lactoneotetraosylceramide on tumor cell surfaces. Taki T, et al. **J Biochem (Tokyo)** 1985 Oct;98(4):887–95

Calcitonin in human gastric mucosa and carcinoma. Ito H, et al. **J Cancer Res Clin Oncol** 1986;112(1):50–6

Histologic demonstration of antigens reactive with anti-p21 ras monoclonal antibody (RAP-5) in human stomach cancers. Noguchi M, et al. **JNCI** 1986 Aug;77(2):379–85

Human epidermal growth factor in gastric carcinoma as a biologic marker of high malignancy. Tahara E, et al. **Jpn J Cancer Res** 1986 Feb;77(2):145–52

[Cytophotometric DNA analysis of gastric carcinoma—relationship between DNA ploidy and lymph node metastasis] Korenaga D, et al. **Gan No Rinsho** 1986 Jan;32(1):45–9 (Eng. Abstr.) **(Jpn)**

[Significance of AFP in gastric cancer] Uehara K, et al. **Gan No Rinsho** 1986 Jul;32(8):887–93 (Eng. Abstr.) **(Jpn)**

[Study on glycosaminoglycans contents in scirrhous carcinoma of the stomach] Kubokawa M, et al. **Nippon Geka Gakkai Zasshi** 1986 Jan;87(1):126 **(Jpn)**

[Prolactin in gastric carcinomas: immunohistochemical demonstration with clinicopathologic correlation] Morita T. **Nippon Geka Gakkai Zasshi** 1986 Apr;87(4):387–94 (Eng. Abstr.) **(Jpn)**

[Human chorionic gonadotropin–like substance (hCGLS) in male patients with gastrointestinal cancer] Ohyama Y. **Nippon Geka Gakkai Zasshi** 1986 Jan;87(1):20–8 (Eng. Abstr.) **(Jpn)**

[Biochemical study of estrogen receptor and immunohistochemical localization of endogenous estradiol in human gastric cancer] Nishi K. **Nippon Ika Daigaku Zasshi** 1985 Oct;52(5):553–9 (Eng. Abstr.) **(Jpn)**

[Tissue and cellular localization of carcinoembryonic antigen (CEA) in gastric cancer and correlation to serum CEA levels and prognosis] Toyono M. **Nippon Shokakibyo Gakkai Zasshi** 1985 Jun;82(6):1502–11 (Eng. Abstr.) **(Jpn)**

BLOOD

Nonantral gastric carcinoid tumours associated with hypergastrinaemia. Wilander E, et al. **Acta Med Scand** 1986; 219(4):393–7

Red cell fragmentation in human disease (a light and scanning electron microscope study). Young TW, et al. **Blood Cells** 1984;10(2–3):493–501

Carcinoembryonic antigen (CEA) plasma level determination in the management of gastric cancer patients. Dittrich C, et al. **Cancer Detect Prev** 1985;8(1–2):181–7

Carcinoembryonic antigen in patients with gastric carcinoma. Janssen CW Jr, et al. **Eur J Surg Oncol** 1986 Mar; 12(1):19–23

Vitamin C status, glutathione and histamine in gastric carcinoma, tuberculous enteritis and non-specific ulcerative colitis. Dubey SS, et al. **Indian J Physiol Pharmacol** 1985 Apr–Jun;29(2):111–4

The ABO blood groups in relation to carcinoma of the stomach and duodenal ulcer in a Nigerian community. Akumabor PN, et al. **Public Health** 1986 Mar;100(2):116–8

Cytochemical study on the glycogen content in neutrophils from peripheral blood of patients with gastrointestinal cancer. Sulowicz W. **Rev Exp Oncol** 1984;31(3):443–7

[Gastric cancer and serum zinc content] Ujiie S, et al. **Gan No Rinsho** 1985 Sep;31(11):1372–5 (Eng. Abstr.) **(Jpn)**

[Clinical study on serum immunosuppressive factors in gastric cancer patients—with special reference to preoperative ferritin levels and influence of surgical stress] Yokoyama Y, et al. **Gan No Rinsho** 1985 Sep;31(11):1387–92 (Eng. Abstr.) **(Jpn)**

[Suppression of phosphofructokinase (PFK) by sera from cancer patients, and mechanism of the antagonistic effect of PSK] Nakamura K, et al. **Gan To Kagaku Ryoho** 1986 Apr;13(4 Pt 1):970–6 (Eng. Abstr.) **(Jpn)**

[Effects of schizophyllan (SPG), an antitumor polysaccharide, on serum proteins—in ENNG induced canine gastric cancer] Akima K, et al. **Nippon Gan Chiryo Gakkai Shi** 1985 Jul 20;20(6):1098–106 (Eng. Abstr.) **(Jpn)**

[Clinical significance of serum ferritin levels in carcinoma of the stomach and colon] Hamazoe R, et al. **Nippon Gan Chiryo Gakkai Shi** 1985 Dec 20;20(10):2222–8 (Eng. Abstr.) **(Jpn)**

[Alpha fetoprotein in patients with malignant neoplasms of the stomach] Skrobisz J, et al. **Pol Tyg Lek** 1986 Mar 31; 41(13):409–11 (Eng. Abstr.) **(Pol)**

[Characteristics of the carbohydrate structure of alpha 2-macroglobulin in stomach cancer] Smorodin EP, et al. **Eksp Onkol** 1986;8(2):42–5 (Eng. Abstr.) **(Rus)**

[Radioimmunologic methods in the diagnosis and evaluation of the efficacy of treating cancer of the stomach] Ozherel'ev AS, et al. **Sov Med** 1986;(1):16–9 (Eng. Abstr.) **(Rus)**

[Surface condition of erythrocytes in the dynamics of the tumor process] Aleksandrova LM. **Vopr Onkol** 1986; 32(3):57–61 (Eng. Abstr.) **(Rus)**

[Risk of thromboembolic complications in cancer patients] Tiutrin II, et al. **Vopr Onkol** 1985;31(9):27–31 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Endoscopic ultrasonography of an arteriovenous malformation in a gastric polyp. Tio TL, et al. **Endoscopy** 1986 Jul;18(4):156–8

CHEMICALLY INDUCED

Carcinogenicity of 1-methyl-3(p-chlorophenyl)-1-nitrosoures and its 1-methyl trideuterated derivative in rats. Schreiber D, et al. **Arch Geschwulstforsch** 1986;56(1):9–11

Duration of ENNG administration and its effect on histological differentiation of experimental gastric cancer. Sunagawa M, et al. **Br J Cancer** 1985 Nov;52(5):771–9

Pharmacological basis for the induction of gastric carcinoid tumours in the rat by loxtidine, an insurmountable histamine H2-receptor blocking drug. Brittain RT, et al. **Br J Pharmacol** 1985 Aug;85(4):843–7

Antisecretory drugs and gastric cancer [letter] **Br Med J (Clin Res)** 1985 Nov 23;291(6507):1504

Antisecretory drugs and gastric cancer [letter] Daly MJ, et al. **Br Med J (Clin Res)** 1985 Sep 28;291(6499):900

Antisecretory drugs and gastric cancer [letter] Lee FI. **Br Med J (Clin Res)** 1985 Dec 14;291(6510):1723

Influence of the application mode of N-[4-(5-nitro-2-furyl)-2-thiazolyl]-formamide on the localization of its carcinogenic expression in female NMRI-mice. Berger MR, et al. **Cancer Lett** 1986 Jun; 31(3):311–8

Combined effects of butylated hydroxyanisole and other antioxidants in induction of forestomach lesions in rats. Hirose M, et al. **Cancer Lett** 1986 Feb;30(2):169–74

Effects of sodium L-ascorbate and related compounds on rat stomach carcinogenesis initiated by N-methyl-N'-nitro-N-nitrosoguanidine. Shirai T, et al. **Cancer Lett** 1985 Dec;29(3):283–8

Effects of four antioxidants on N-methyl-N'-nitro-N-nitrosoguanidine initiated gastric tumor development in rats. Takahashi M, et al. **Cancer Lett** 1986 Feb;30(2):161–8

Flow cytometric analysis of the effect of sodium chloride on gastric cancer risk in the rat. Charnley G, et al. **Cancer Res** 1985 Nov;45(11 Pt 2):5608–16

Carcinogenic effect of 7-methoxy-2-nitro-naphtho[2,1-b] furan (R 7000) in the forestomach of rats. Salmon RJ, et al. **Carcinogenesis** 1986 Sep;7(9):1447–50

Rapid induction of forestomach tumors in partially hepatectomized Wistar rats given butylated hydroxyanisole. Abraham R, et al. **Exp Mol Pathol** 1986 Feb;44(1):14–20

Inhibition of acid and gastric carcinoids. Elder JB. **Gut** 1985 Dec;26(12):1279–83 (37 ref.)

Association of long lasting unsurmountable histamine H2 blockade and gastric carcinoid tumours in the rat. Poynter

D, et al. **Gut** 1985 Dec;26(12):1284–95

Nitrates and gastric cancer [editorial] Pocock SJ. **Hum Toxicol** 1985 Sep;4(5):471–4

Nitrates: epidemiological evidence. Fraser P. **IARC Sci Publ** 1985;(65):183–94

Histologic and autoradiographic studies on the forestomach of hamsters treated with 2–tert–butylated hydroxyanisole, 3–tert–butylated hydroxyanisole, crude butylated hydroxyanisole, or butylated hydroxytoluene. Hirose M, et al. **JNCI** 1986 Jan;76(1):143–9

Rat and mouse forestomach tumors induced by chronic oral administration of styrene oxide. Lijinsky W. **JNCI** 1986 Aug;77(2):471–6

Induction of gastric carcinomas in nonhuman primates by N–ethyl–N'–nitro–N–nitrosoguanidine. Ohgaki H, et al. **JNCI** 1986 Jul;77(1):179–86

Potential initiating and promoting activities of diacetyl and glyoxal in rat stomach mucosa. Furihata C, et al. **Jpn J Cancer Res** 1985 Sep;76(9):809–14

High susceptibility of analbuminemic rats to gastric tumor induction by N–methyl–N'–nitro–N–nitrosoguanidine. Sugiyama K, et al. **Jpn J Cancer Res** 1986 Mar;77(3):219–21

Effects of ethanol, potassium metabisulfite, formaldehyde and hydrogen peroxide on gastric carcinogenesis in rats after initiation with N–methyl–N'–nitro–N–nitrosoguanidine. Takahashi M, et al. **Jpn J Cancer Res** 1986 Feb;77(2):118–24

Nitrate and gastric cancer risks [letter] Tannenbaum SR, et al. **Nature** 1985 Oct 24–30;317(6039):675–6

[Forestomach carcinoma and hepatoma induced in mice and rats by N–3–methylbutyl–N–1–methylacetonylnitrosamine (MAMBNA)] Li MX. **Chung Hua Chung Liu Tsa Chih** 1985 Sep;7(5):329–31 (Eng. Abstr.) (Chi)

[Promoting effect of Roussin red methyl ester (RRME) in the pickled vegetables in Linxian County on the forestomach epithelium of mice] Lu SX. **Chung Hua Chung Liu Tsa Chih** 1985 Jul;7(4):241–3 (Eng. Abstr.) (Chi)

[Increased mortality from esophageal cancer, stomach cancer and skin melanoma in pesticide–exposed pest control operators in the DDR] Barthel E. **Arch Geschwulstforsch** 1985;55(6):481–8 (Eng. Abstr.) (Ger)

[The effect of vagotomy on carcinogenesis in the glandular stomach of rats, induced by N–methyl–N'–nitro–N–nitrosoguanidine] Tsunemi S, et al. **Gan No Rinsho** 1985 Sep;31(11):1393–7 (Eng. Abstr.) (Jpn)

[Change in the protein kinase activity of glandular stomach mucosa in rats during malignant transformation] Sultanov VK, et al. **Eksp Onkol** 1985;7(4):39–41 (Eng. Abstr.) (Rus)

[Precancerous and cancerous lesions of the esophagus and forestomach in mice with skin exposure to a heavy catalytic gas oil] Karimov MA, et al. **Vopr Onkol** 1986;32(2):56–61 (Eng. Abstr.) (Rus)

[Induction of stomach cancer by the chronic action of arsenic] Katsnel'son BA, et al. **Vopr Onkol** 1986;32(3):68–73 (Eng. Abstr.) (Rus)

CLASSIFICATION

Problems of pTNM classification of carcinoma of the stomach, colorectum and anal margin. Hermanek P. **Pathol Res Pract** 1986 Jun;181(3):296–300

[The significance of Lauren's classification of gastric carcinoma] Tichá V, et al. **Cesk Patol** 1986 Mar;22(1):20–4 (Eng. Abstr.) (Cze)

[Difference in clinical treatment between patients histologically diagnosed as group III by the old and new "group classifications" of gastric biopsy] Hijikata A, et al. **Gan No Rinsho** 1985 Nov;31(14):1787–91 (Eng. Abstr.) (Jpn)

COMPLICATIONS

Coexistence of stomach cancer and renal adenoma in renal allograft. Clinical and autopsy findings and a review of previous cases in Japan. Nakamura K, et al. **Acta Pathol Jpn** 1985 Sep;35(5):1245–54

Immunoreactive myelin basic protein in tumor cells associated with carcinomatous neuropathy. Kudo M, et al. **Am J Clin Pathol** 1985 Dec;84(6):741–3

Primary gastric lymphoma associated with Crohn's disease of the stomach. Kini SU, et al. **Am J Gastroenterol** 1986 Jan;81(1):23–5

Canada–Cronkhite syndrome associated with systemic lupus erythematosus. Kubo T, et al. **Arch Intern Med** 1986 May; 146(5):995–6

Haemorrhage from smooth muscle tumours of the upper gastro–intestinal tract. Wright W, et al. **Aust NZ J Surg** 1985 Aug;55(4):365–8

The effect of pre–operative total parenteral nutrition on energy–rich phosphates, electrolytes and free amino acids in skeletal muscle of malnourished patients with gastric carcinoma. Sandstedt S, et al. **Br J Surg** 1985 Nov; 72(11):920–4

Adult hypertrophic pyloric stenosis and gastric carcinoma. Simson JN, et al. **Br J Surg** 1986 May;73(5):379–80

Hemolytic uremic syndrome in a patient with gastric adenocarcinoma: partial recovery of renal function after gastrectomy. Ortega Marcos O, et al. **Clin Nephrol** 1985 Nov;24(5):265–8

Bullous pemphigoid, figurate erythema and generalized pigmentation with skin thickening in a patient with adenocarcinoma of the stomach. Urano–Suehisa S, et al. **Dermatologica** 1985;171(2):117–21

Gastroduodenal intussusception due to the prolaps of a gastric adenoma. A case report. van Namen YW. **Diagn Imag Clin Med** 1986;55(3):177–9

Gastroduodenal intussusception secondary to prolapsing gastric tumors. Kleinhaus U, et al. **Gastrointest Radiol** 1986; 11(3):229–32

Gastric lipoma as a cause of upper gastrointestinal bleeding. Crowe MJ, et al. **Ir Med J** 1986 Jan;79(1):13–4

The syndrome of type A chronic atrophic gastritis, pernicious anemia, and multiple gastric carcinoids. Moses RE, et al. **J Clin Gastroenterol** 1986 Feb;8(1):61–5 (43 ref.)

Gastric hamartoma. A rare cause of gastrointestinal bleeding. Allum WH, et al. **J R Coll Surg Edinb** 1985 Oct;30(5):323

Gastric leiomyoma presenting with intraperitoneal haemorrhage. Phipps RF. **J Surg Oncol** 1986 Jun;32(2):92

Spontaneous subdural hematoma in patients with advanced cancer—report of two cases. Hanakita J, et al. **Neurol Med Chir (Tokyo)** 1985 Jul;25(7):568–70

Differentiation of benign from malignant ascites by sonographic evaluation of gallbladder wall. Tsujimoto F, et al. **Radiology** 1985 Nov;157(2):503–4

Micro–angiopathic haemolytic anaemia and an unusual lactate dehydrogenase iso–enzyme pattern in metastatic adenocarcinoma. A case report. Knottenbelt E, et al. **S Afr Med J** 1985 Oct 12;68(8):611–2

Thrombotic thrombocytopenic purpura associated with metastatic gastric adenocarcinoma: successful management with plasmapheresis. Carr DJ, et al. **South Med J** 1986 Apr;79(4):476–9

Occult gastric cancer manifested by progressive shortness of breath in a young adult. Desigan G, et al. **South Med J** 1986 Sep;79(9):1173–6

A case of focal fatty change of the liver—a rare clinical entity. Iwamura K, et al. **Tokai J Exp Clin Med** 1984 Dec; 9(5–6):407–14

[Bleeding neurinoma of the stomach subjected to emergency surgery] Bliznashki I, et al. **Khirurgiia (Sofiia)** 1985; 38(6):94–5 (Bul)

[Acute retroperitoneal hemorrhage caused by an angiolipoma] Andersen C, et al. **Ugeskr Laeger** 1986 Jul 14;148(29):1832–3 (Eng. Abstr.) (Dan)

[Clinicopathological conference. A youth with anemia, eosinophilia and gastric polyps] Hautanen A, et al. **Duodecim** 1986;102(8):486–93 (Fin)

[Cancer and gastric sarcoidosis] Tissot E, et al. **J Chir (Paris)** 1985 Aug–Sep;122(8–9):479–81 (Eng. Abstr.) (Fre)

[Herpes zoster in early gastric carcinoma (letter)] Ebker E. **Dtsch Med Wochenschr** 1986 Aug 22;111(34):1303 (Ger)

[Telangiectatic polyp of the stomach] Dirschmid K, et al. **Schweiz Rundsch Med Prax** 1985 Dec 17;74(51):1429–30 (Eng. Abstr.) (Ger)

[Surgical emergencies in neoplastic pathology of the stomach] Valle M, et al. **Minerva Chir** 1985 Sep 30; 40(18):1215–8 (Eng. Abstr.) (Ita)

[Invagination of a gastric leiomyoma causing duodenal subocclusion and cholestasis] Grignani G, et al. **Minerva Med** 1985 Sep 22;76(36):1623–6 (Eng. Abstr.) (Ita)

[Treatment of gastric hemorrhages caused by neoplasms] Valle M, et al. **Minerva Med** 1986 Mar 31;77(13):557–60 (Ita)

[The double pylorus. Comparison of 2 cases associated with benign ulcer and 1 case associated with ulcerated carcinoma] Soardi GA, et al. **Radiol Med (Torino)** 1984 Dec;70(12):998–1000 (Ita)

[Microangiopathic hemolytic anemia associated with gastric cancer] Kanou T, et al. **Gan No Rinsho** 1986 Aug; 32(9):1029–34 (Eng. Abstr.) (Jpn)

[2 cases of bilateral chylothorax associated with malignant tumor] Ishida M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Mar;24(3):303–8 (Eng. Abstr.) (Jpn)

[A case of asymptomatic primary biliary cirrhosis with chronic thyroiditis and triple cancers] Watanabe Y, et al. **Nippon Naika Gakkai Zasshi** 1986 Jan;75(1):57–61 (Jpn)

[Primary macroglobulinemia associated with carcinoma of the stomach: report of a case] Fujii H, et al. **Rinsho Ketsueki** 1985 Oct;26(10):1697–702 (Eng. Abstr.) (Jpn)

[Malignant lymphoma with early gastric cancer presenting severe anemia and thrombocytopenia, possibly due to reactive erythrophagocytic histiocytosis] Nakayama S, et al. **Rinsho Ketsueki** 1986 Feb;27(2):202–7 (Eng. Abstr.) (Jpn)

[Microangiopathic hemolytic anemia in stomach cancer—description of 2 cases] Mizan K, et al. **Pol Arch Med Wewn** 1986 Jan;75(1):64–9 (Eng. Abstr.) (Pol)

[Malignant neurilemmoma as the cause of gastric hemorrhage] Grygiencza W, et al. **Wiad Lek** 1986 Feb 15; 39(4):263–4 (Eng. Abstr.) (Pol)

[Profuse hemorrhage from an ulcerated stomach carcinoid] Kliauzov VI. **Khirurgiia (Mosk)** 1985 Oct;(10):106 (Rus)

[Acute pancreatitis in stomach cancer] Lur'e AS. **Khirurgiia (Mosk)** 1986 Jan;(1):102–3 (Rus)

[Accessory pancreas as the cause of gastrointestinal hemorrhage] Shvetsov SK, et al. **Khirurgiia (Mosk)** 1986 Mar;(3):116–7 (Rus)

[Paraneoplastic reaction of the rheumatoid arthritis and allergic syndrome types in tumors] Moroz NG, et al. **Ter Arkh** 1985;57(8):130–2 (Rus)

[Delafois disease—a rare cause of recurrent gastric hemorrhages] Vorob'ev GI, et al. **Vestn Khir** 1986 May; 136(5):67–70 (Rus)

[Disseminated intravascular coagulation syndrome (DIC) in stomach and intestinal cancer] Pavlovskii DP. **Vopr Onkol** 1986;32(2):37–42 (Eng. Abstr.) (Rus)

[Clinico–morphologic features of cancer of the stomach arising from a chronic ulcer] Delneka SV. **Vrach Delo** 1986 Jan;(1):67–70 (Eng. Abstr.) (Rus)

[Hypereosinophilic syndrome. Presenting form of an epithelioid leiomyosarcoma of gastric origin (letter)] López Navidad A, et al. **Med Clin (Barc)** 1986 Apr 5;86(13):565–6 (Spa)

[Paraneoplastic palmar erythema] Valda Rodríguez L, et al. **Med Cutan Ibero Lat Am** 1985;13(6):487–90 (Eng. Abstr.) (Spa)

[Gerstmann's syndrome as the first manifestation of gastric adenocarcinoma (letter)] Pérez Rodríguez E, et al. **Rev Clin Esp** 1985 Nov;177(7):359 (Spa)

[Massive gastric hemorrhage caused by an intramuscular ectopic pancreas] Rodríguez García M, et al. **Rev Esp Enferm Apar Dig** 1985 Sep;68(3):259–62 (Eng. Abstr.) (Spa)

[Massive gastrointestinal hemorrhage associated with heterotopic pancreatic tissue of the stomach] Arenas Márquez H, et al. **Rev Gastroenterol Mex** 1985 Apr–Jun; 50(2):143–5 (Eng. Abstr.) (Spa)

DIAGNOSIS

The endoscopic diagnosis of gastroesophageal malignancy. A cytologic review. Chambers LA, et al. **Acta Cytol (Baltimore)** 1986 Mar–Apr;30(2):110–4

Gastric cancer in a young adult. Dobkin JA, et al. **Am J Gastroenterol** 1986 Jul;81(7):607–10

Difficulties in the endoscopic diagnosis of gastric and oesophageal cancer. Evans E, et al. **Aust NZ J Surg** 1985 Dec;55(6):541–4

Early gastric cancer. Hartley L, et al. **Aust NZ J Surg** 1985 Aug;55(4):341–6

The role of a questionnaire and four biochemical markers to detect cancer risk in a symptomatic population. Chisholm EM, et al. **Br J Cancer** 1986 Jan;53(1):53–7

Gastric cancer: seeking the chance to cure. Cohen MM. **Can J Surg** 1986 Mar;29(2):77–8

Cancer detection in biopsy specimens taken from different types of gastric lesions. Jorde R, et al. **Cancer** 1986 Jul 15;58(2):376–82

Inhibitory effect of dietary selenium on carcinogenesis in rat glandular stomach induced by N–methyl–N'–nitro–N–nitrosoguanidine. Kobayashi M, et al. **Cancer Res** 1986 May;46(5):2266–70

Gastric leiomyoma and its manifestations in Nigerians: a series of 10 patients. Osime U, et al. **Cent Afr J Med** 1986 Feb;32(2):34–6

Gastric carcinoid: a clinical and endoscopic assessment of four cases. Caletti GC, et al. **Endoscopy** 1986 May; 18(3):101–4

"Pseudotumor" of the stomach. Endoscopical and operative findings. Solhaug JH, et al. **Endoscopy** 1985 Sep;17(5):194–5

Minute carcinoid tumor of the stomach: report of two cases and review of the Japanese literature. Morise K, et al. **Gastroenterol Jpn** 1985 Dec;20(6):596–603

Endoscopic ultrasonography of non–Hodgkin lymphoma of the stomach. Tio TL, et al. **Gastroenterology** 1986 Aug; 91(2):401–8

Primary gastric lymphoma. Micon L. **Indiana Med** 1986 Aug; 79(8):678–9

Erythema ab igne: a sign of organic disease [letter] Halliday CE, et al. **J R Soc Med** 1986 Apr;79(4):249–50

Urinary sodium–to–creatinine ratio as an indicator of gastric cancer risk. Correa P, et al. **Natl Cancer Inst Monogr** 1985 Dec;69:121–3

Malignant gastric sarcoma—diagnosis by ultrasound and endoscopy. Schneider K, et al. **Pediatr Radiol** 1986; 16(1):69–70

Cooperation between hospital and general practice in multipractice studies. Personal experiences from a study on early diagnosis for gastric cancer. Møllmann KM. **Scand J Prim Health Care** 1985 May;3(2):121–5

Gastric neurofibroma in an adolescent. Beck DE, et al. **South Med J** 1986 Mar;79(3):359–61

Experience with gastroscopy in the diagnosis of stomach cancer in Malaysia. Paramarajah S. **Southeast Asian J Trop Med Public Health** 1985 Dec; 16(4):609–12

Solitary Langerhans' cell granulomatosis of the stomach associated with gastric carcinoma. Arrinda JM, et al. **Virchows Arch [A]** 1985;408(2–3):323–8

[Current diagnostic methods of examination in early ascertaining diagnosis of stomach carcinoma] Ivanov S, et al. **Khirurgiia (Sofiia)** 1986;39(1):56–9 (Eng. Abstr.) (Bul)

[Hyperplastic gastritis simulating initial stomach carcinoma in a female patient with secondary syphilis] Rueva Kh, et al. **Khirurgiia (Sofiia)** 1985;38(3):56–7 (Bul)

[Primary gastric Hodgkin's disease] Bo YK. **Chung Hua Chung Liu Tsa Chih** 1985 Sep;7(5):392–3 (Eng. Abstr.) (Chi)

[Diagnosis of gastric carcinoma with a group of biochemical tests] Deng GR. **Chung Hua Chung Liu Tsa Chih** 1985 Jul;

7(4):263–5 (Eng. Abstr.) (Chi)
[Diagnostic value of oscillopolarography of earlobe blood for stomach cancer] Niu ZZ. Chung Hua Chung Liu Tsa Chih 1986 Jan;8(1):45–7 (Eng. Abstr.) (Chi)
[Phagosonogram (PSG) in cancer of the gastric cardia—a preliminary study of 100 patients and 100 normal subjects] Zhu YR, et al. Chung Hua Chung Liu Tsa Chih 1986 May; 8(3):165–9 (Eng. Abstr.) (Chi)
[Significance of the determination of serum GPDA activity in the diagnosis of gastric carcinoma] Liu HY, et al. Chung Hua Nei Ko Tsa Chih 1986 May;25(5):266–8, 317 (Eng. Abstr.) (Chi)
[Advances in the diagnosis of early stomach cancer with the fiber-gastroscope] Wu XS. Chung Hua Nei Ko Tsa Chih 1985 May;24(5):305–7 (17 ref.) (Chi)
[Ultrasonic diagnosis of cardiac carcinoma] Li JG, et al. Chung Hua Wai Ko Tsa Chih 1986 Feb;24(2):101–3, 126 (Eng. Abstr.) (Chi)
[Endoscopic diagnosis of advanced gastric cancers] Lu XH, et al. Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao 1985 Jun;7(3):210–3 (Eng. Abstr.) (Chi)
[Diagnosis of tumors of the upper digestive tract during emergency endoscopy] Krtek V, et al. Rozhl Chir 1985 Dec;64(12):825–30 (Eng. Abstr.) (Cze)
[Double stomach cancer] Olsen PA. Ugeskr Laeger 1986 May 19;148(21):1281–2 (Eng. Abstr.) (Dan)
[Cervical echography: evaluation of the lymphatic spread of cancers of the upper aerodigestive tract. Preliminary results] Scheffer P, et al. Rev Stomatol Chir Maxillofac 1985;86(6):366–8 (Eng. Abstr.) (Fre)
[Gastric pseudolymphoma: apropos of 2 cases] Filali A, et al. Tunis Med 1985 Aug–Sep;63(8–9):471–4 (Eng. Abstr.) (Fre)
[CA–50 in serum of patients with carcinoma. Clinical experiences with a new tumor marker] Bruhn HD, et al. Dtsch Med Wochenschr 1986 Aug 22;111(34):1267–72 (Eng. Abstr.) (Ger)
[Diagnosis of early stomach cancer (letter)] Frik W. Dtsch Med Wochenschr 1986 Apr 11;111(15):601–2 (Ger)
[Current value of the gastrocamera in comparison with the Olympus endoscope system] von Gaisberg U, et al. Dtsch Med Wochenschr 1986 Jul 25;111(30):1165–7 (Ger)
[Diagnosis and therapy of the most frequent APUDomas. Insulinoma, gastrinoma and C cell carcinoma of the thyroid gland] Heinemann M, et al. Fortschr Med 1986 Apr 17; 104(15):307–9 (Eng. Abstr.) (Ger)
[Leiomyoblastoma of the stomach] Gunst MA, et al. Helv Chir Acta 1985 Jun;52(2):241–4 (Eng. Abstr.) (Ger)
[Difficulties in diagnosing endophytic stomach cancer] Portnoy LM, et al. Radiol Diagn (Berl) 1985;26(6):825–33 (Eng. Abstr.) (Ger)
[Stomach cancer—detection, treatment, after care] Petrat H, et al. Z Arztl Fortbild (Jena) 1986;80(2):57–60 (Ger)
[New observations in a case of Cronkhite–Canada syndrome] Lorenz R, et al. Z Gastroenterol 1986 Feb;24(2):85–92 (Eng. Abstr.) (Ger)
[Pseudolymphoma] Ziv Y, et al. Harefuah 1985 Dec 1; 109(11):335–6 (Eng. Abstr.) (Heb)
[The role of endoscopy in the diagnosis of gastric leiomyoma] Rácz I, et al. Orv Hetil 1986 Feb 23;127(8):449–51 (Eng. Abstr.) (Hun)
[Early cancer of the stomach] Piovesan V, et al. Minerva Chir 1986 Jan 31;41(1–2):67–8 (Eng. Abstr.) (Ita)
[A study of cases of early gastric cancer with hematemesis and/or melena] Sugiyama H, et al. Gan No Rinsho 1986 Feb;32(2):165–9 (Eng. Abstr.) (Jpn)
[Present diagnostic status of scirrhous type gastric cancer—with special reference to the endoscopic diagnosis] Kurihara M, et al. Gan To Kagaku Ryoho 1986 Aug; 13(8):2495–504 (Eng. Abstr.) (Jpn)
[Assay of serum carbohydrate antigen (CA) 19–9 in the diagnosis of gastric cancer] Nishida K, et al. Gan To Kagaku Ryoho 1986 Jan;13(1):101–8 (Eng. Abstr.) (Jpn)
[Study on detection of metastatic lymph nodes from gastric cancer—use of hematoporphyrin–injection in submucosal layer of the stomach] Kubokawa M, et al. Nippon Geka Gakkai Zasshi 1985 Oct;86(10):1397–404 (Eng. Abstr.) (Jpn)
[A case of Cronkhite–Canada syndrome—clinical evaluation of computed tomography and ultrasonography] Hirohama S, et al. Nippon Shokakibyo Gakkai Zasshi 1985 Jun; 82(6):1585–90 (Jpn)
[A case report of squamous cell carcinoma of the stomach] Kameya S, et al. Nippon Shokakibyo Gakkai Zasshi 1985 Aug;82(8):1940–3 (Jpn)
[Endoscopic ultrasonography in the diagnosis of the degree of vertical invasion of gastric cancer] Yamanaka T, et al. Nippon Shokakibyo Gakkai Zasshi 1985 Aug;82(8):1865–74 (Eng. Abstr.) (Jpn)
[A case of Zollinger–Ellison syndrome with multiple organ involvement (the pancreas and gastric and duodenal mucosa)] Bobrzyński A, et al. Patol Pol 1985 Oct–Dec; 36(4):380–6 (Eng. Abstr.) (Pol)
[Gastric neurinoma] Grotowski M, et al. Wiad Lek 1986 Jan 1;39(1):39–41 (Eng. Abstr.) (Pol)
[Facial nerve lesion as a symptom leading to the diagnosis of stomach neoplasm of the lymphoma type] Kuhl M, et al. Wiad Lek 1985 Sep 15;38(18):1307–10 (Eng. Abstr.) (Pol)
[Benign stomach neoplasms] Malinowski J, et al. Wiad Lek 1985 Nov 1;38(21):1533–5 (Eng. Abstr.) (Pol)
[Plasmacytoma of the stomach] Stomka M, et al. Wiad Lek 1986 Apr 1;39(7):486–9 (Eng. Abstr.) (Pol)
[A rare site of an ectopic thyroid gland] Kal'ter IS, et al. Khirurgiia (Mosk) 1985 Dec;(12):120 (Rus)
[Diagnosis of cancer of the stomach] Zavgorodnil LG, et al. Klin Khir 1986;(5):27–8 (Eng. Abstr.) (Rus)
[Diagnosis of clinical forms of cancer of the stomach] Vasilenko VKh, et al. Klin Med (Mosk) 1985 Aug; 63(8):5–11 (Rus)
[Clinical and diagnostic characteristics of the early forms of stomach cancer] Sokolov LK, et al. Ter Arkh 1986; 58(1):74–7 (Eng. Abstr.) (Rus)
[Stomach lesion in secondary recurrent syphilis] Fedorov IuP, et al. Vestn Dermatol Venerol 1985 Nov;(11):68–70 (Eng. Abstr.) (Rus)
[Determining the extent of gastric cancer by the thermographic method] Popova TN, et al. Vestn Khir 1986 Apr;136(4):20–2 (Eng. Abstr.) (Rus)
[Linitis plastica] Sikharulidze TS, et al. Vestn Khir 1985 Jun; 134(6):88–9 (Rus)
[Stomach cancer with multiple metastases under the guise of Moschcowitz syndrome] Parashchak AP, et al. Vrach Delo 1985 Jul;(7):27–9 (Rus)
[Nonchromaffin paraganglioma of the stomach] Shuliarenko VA, et al. Vrach Delo 1985 Dec;(12):13–4 (Rus)
[Prognostic value of immunoglobulin and antigen indices in patients subjected to surgery for cancer of the stomach] Vygonnyi II. Vrach Delo 1986 May;(5):11–4 (Eng. Abstr.) (Rus)
[Intermediate gastric cancer] Curciarello JO, et al. Acta Gastroenterol Latinoam 1985;15(3):141–7 (Eng. Abstr.) (Spa)

DRUG THERAPY

Sequential administration of thymidine, 5–fluorouracil, and PALA. A phase I–II study. Chiuten DF, et al. Am J Clin Oncol 1985 Aug;8(4):332–5
Gastric cancer: complete chemotherapy response in an elderly woman: current status of treatment. Hagin GD, et al. Am J Gastroenterol 1985 Nov;80(11):835–7
Chemotherapy improves pulmonary function in a patient with gastric cancer. Cunningham D, et al. Br J Clin Pract 1986 Jun;40(6):261–2
Loss in cell killing effectiveness of anticancer drugs in human gastric cancer clones due to recovery from potentially lethal damage in vitro. Barranco SC, et al. Cancer Res 1986 Feb;46(2):623–8
Cholecystokinin inhibition of tumor growth and gastrin–stimulated cyclic adenosine 3':5'–monophosphate metabolism in human gastric carcinoma in nude mice. Yasui W, et al. Cancer Res 1986 Feb;46(2):740–3
Phase II trials of 5–FU, doxorubicin, and cisplatin in advanced, measurable adenocarcinoma of the lung and stomach. Cazap EL, et al. Cancer Treat Rep 1986 Jun; 70(6):781–3
Treatment of advanced gastric carcinoma with mitomycin and doxorubicin. Dalley D, et al. Cancer Treat Rep 1986 Jul;70(7):897–8
Randomized comparison of 5–FU alone or combined with carmustine, doxorubicin, and mitomycin (BAFMi) in the treatment of advanced gastric cancer: a phase III trial of the Italian Clinical Research Oncology Group (GOIRC). De Lisi V, et al. Cancer Treat Rep 1986 Apr;70(4):481–5
Phase II evaluation of mitoxantrone in advanced carcinoma of the stomach: a Southeastern Cancer Study Group Trial. DeSimone PA, et al. Cancer Treat Rep 1986 Aug; 70(8):1043–4
Cisplatin in patients with gastric cancer: a Cancer and Leukemia Group B phase II study. Perry MC, et al. Cancer Treat Rep 1986 Mar;70(3):415–6
Phase II evaluation of mitoguazone in cancers of the esophagus, stomach, and pancreas: a Southeastern Cancer Study Group Trial. Ravry MJ, et al. Cancer Treat Rep 1986 Apr;70(4):533–4
Phase II trial of epirubicin in gastric cancer. Scarffe JH, et al. Cancer Treat Rep 1985 Nov;69(11):1275–7
Phase III study of 5–FU and carmustine versus 5–FU, carmustine, and doxorubicin in advanced gastric cancer. Schnitzler G, et al. Cancer Treat Rep 1986 Apr;70(4):477–9
The role of anthracyclines in the treatment of gastric cancer. Wadler S, et al. Cancer Treat Rev 1985 Jun;12(2):105–32 (85 ref.)
Treatment of advanced colorectal and gastric adenocarcinomas with 5–fluorouracil combined with high–dose folinic acid. An update. Machover D, et al. Chemioterapia 1985 Oct;4(5):369–76
cis–Platinum as second–line chemotherapy in advanced gastric adenocarcinoma. A phase II study of the EORTC Gastrointestinal Tract Cancer Cooperative Group. Lacave AJ, et al. Eur J Cancer Clin Oncol 1985 Nov;21(11):1321–4
Chemotherapy of gastric cancer. Swaroop VS, et al. Indian J Gastroenterol 1986 Jan;5(1):5–6
Chemotherapy for gastric cancer [letter] Blijham GH. J Clin Oncol 1986 Jan;4(1):113
Analysis of a prospectively randomized comparison of doxorubicin versus 5–fluorouracil, doxorubicin, and BCNU in advanced gastric cancer: implications for future studies. Levi JA, et al. J Clin Oncol 1986 Sep;4(9):1348–55
Treatment of advanced colorectal and gastric adenocarcinomas with 5–fluorouracil and high–dose folinic acid. Machover D, et al. J Clin Oncol 1986 May;4(5):685–96
Update in cancer chemotherapy: gastrointestinal cancer, cancer of the stomach and carcinoid tumors. Wright JC. J Natl Med Assoc 1986 Jul;78(7):623–32 (52 ref.)
Chemotherapy for advanced gastric carcinoma [letter] JAMA 1986 Jan 17;255(3):321–3
Lymphatic distribution of an anti–tumor agent in postoperative adjuvant chemotherapy in gastric cancer: fat–emulsified preparation of 1–(2–tetrahydrofuryl)–5–fluorouracil in lymph. Hanaue H, et al. Jpn J Cancer Res 1985 Dec;76(12):1230–5
Evaluation of response rates to various antitumor agents of human gastric tumors implanted in nude mouse. Inaba M, et al. Jpn J Cancer Res 1986 Feb;77(2):190–6
Combined therapy of polyamine antimetabolites and antitumor drugs for human gastric cancer xenotransplanted into nude mice. Fujimoto S, et al. Jpn J Surg 1986 Mar; 16(2):133–9
Postoperative adjuvant chemotherapy for gastric cancer, the second report. Analysis of data on 2873 patients followed for five years. Hattori T, et al. Jpn J Surg 1986 May; 16(3):175–80
TNO–6 has no effect in gastrointestinal cancer: N–acetyl–glucosaminidase shows renal damage. Cunningham D, et al. Med Oncol Tumor Pharmacother 1986;3(1):25–8
Bisantrene hydrochloride in gastric adenocarcinoma: a Southwest Oncology Group Study. Panettiere FJ, et al. Med Pediatr Oncol 1986;14(2):78–80
Comparison of oral ftorafur and intravenous 5–fluorouracil in patients with advanced cancer of the stomach, colon or rectum. Bjerkeset T, et al. Oncology 1986;43(4):212–5
Controlled phase III clinical study of 4–epi–doxorubicin + 5–fluorouracil versus 5–fluorouracil alone in metastatic gastric and rectosigmoid cancer. Kolarić K, et al. Oncology 1986;43(2):73–7
Preoperative chemotherapy in patients with gastric cancer. Klein HO. Prog Clin Biol Res 1985;201:283–93
Preoperative chemotherapy for gastric cancer: a prospective study with at least 1 year follow–up. Papaioannou AN, et al. Recent Results Cancer Res 1986;103:142–7
The role of chemotherapy in the management of gastric and pancreatic carcinomas. Schein PS. Semin Oncol 1985 Dec; 12(4 Suppl 6):49–60 (45 ref.)
Human tumor cloning assay: clinical applications for ovarian, gastric, pancreatic, and colorectal cancers. Weiss G, et al. Semin Oncol 1985 Sep;12(3 Suppl 4):69–74
Current status of chemotherapy for esophagus and gastric cancer. Taguchi T. Southeast Asian J Trop Med Public Health 1985 Dec; 16(4):625–30
Intra–arterial chemotherapy given preoperatively in the management of carcinoma of the stomach. Stephens FO, et al. Surg Gynecol Obstet 1986 Apr;162(4):370–4
Combination of mitomycin C + etoposide in advanced gastric carcinoma. Tomirotti M, et al. Tumori 1985 Aug 31;71(4):371–3
Adjuvant treatment with chemotherapeutic agents and polyadenylic–polyuridylic acid in operable stomach cancers. I. Enhancement of natural killer cell activity. Youn JK, et al. Yonsei Med J 1985;26(1):1–7
[Adjuvant chemotherapy in patients radically operated on for carcinoma of the ovaries, testis, stomach, large intestine and rectum] Marinov L, et al. Khirurgiia (Sofiia) 1986; 39(2):27–32 (Eng. Abstr.) (Bul)
[Observations on the therapeutic effect of jian pi yi shen on postoperative toxic reactions to chemotherapy in patients with advanced gastric carcinoma] Ning CH. Chung Hsi I Chieh Ho Tsa Chih 1985 Nov;5(11):668–70, 643 (Eng. Abstr.) (Chi)
[Observation on the curative effect postoperatively of late gastric cancer by the fu zheng anti–cancer method combined with chemotherapy] Wang GT. Chung Hsi I Chieh Ho Tsa Chih 1985 Oct;5(10):612–4, 580 (Eng. Abstr.) (Chi)
[Observations on 32 cases of advanced carcinoma of the esophagus and the proventriculus treated by the MOF III plan in combination with fu zheng kang ai tang] Yang CJ, et al. Chung Hsi I Chieh Ho Tsa Chih 1985 Nov;5(11):666–7, 701, 643 (Eng. Abstr.) (Chi)
[Role of chemotherapy in the treatment of gastric adenocarcinoma] Rougier P, et al. Presse Med 1985 Nov 16;14(39):2008–12 (26 ref.) (Eng. Abstr.) (Fre)
[Mitomycin C and cisplatin as single agents in the second–line treatment of advanced gastric cancer] Di Lauro L, et al. Clin Ter 1985 Dec 15;115(5):361–4 (Eng. Abstr.) (Ita)
[Treatment of advanced stage gastric carcinoma: FAM versus chemotherapeutic regimens excluding adriamycin] Repetto L, et al. G Ital Chemioter 1985 Jan–Apr;32(1):57–8 (Eng. Abstr.) (Ita)
[Clinical study of THP–adriamycin in patients with advanced gastric cancer] Hayakawa M, et al. Gan No Rinsho 1986 Jan;32(7):762–8 (Eng. Abstr.) (Jpn)
[Sequential chemotherapy with low–dose methotrexate and 5–fluorouracil in advanced gastric cancer] Hayakawa M, et al. Gan No Rinsho 1985 Aug;31(10):1263–70 (Eng. Abstr.) (Jpn)
[Effective postoperative chemotherapy of gastric cancer associated with disseminated carcinomatosis of the bone marrow] Higashino Y, et al. Gan No Rinsho 1985 Sep; 31(11):1456–62 (Eng. Abstr.) (Jpn)
[Comparison of immunochemotherapy and chemotherapy of

stage IV gastric carcinoma] Kanabe S, et al. **Gan No Rinsho** 1985 Nov;31(14):1805–9 (Eng. Abstr.) (Jpn)

[Chemo–endocrine therapy of diffuse carcinoma of the stomach and its clinical evaluation] Kitaoka H. **Gan No Rinsho** 1985 Jul;31(9 Suppl):1189–94 (Eng. Abstr.) (Jpn)

[A randomized controlled trial of immunochemotherapy using carmofur (HCFU), mitomycin C and immunopotentiators in advanced gastric cancer following noncurative resection and nonresection] Nakanishi Y. **Gan No Rinsho** 1986 May;32(5):475–80 (Eng. Abstr.) (Jpn)

[A randomized controlled trial comparing short–term MF chemotherapy with MF and long–term carmofur chemotherapy as an adjuvant to curative resection of stomach cancer] Nakazato H, et al. **Gan No Rinsho** 1986 Feb;32(2):159–64 (Eng. Abstr.) (Jpn)

[A case of an aged woman with advanced gastric cancer which dramatically responded to combined chemotherapy with UFT and mitomycin C] Adachi M, et al. **Gan To Kagaku Ryoho** 1986 Sep;13(9):2856–7 (Eng. Abstr.) (Jpn)

[Duration of remission in advanced gastric cancer patients responding to sequential dose of MTX and 5–FU] Akazawa S, et al. **Gan To Kagaku Ryoho** 1985 Oct;12(10):2068–70 (Jpn)

[Low–dose intermittent intra–arterial infusion chemotherapy] Arai Y, et al. **Gan To Kagaku Ryoho** 1985 Oct;12(10):1922–9 (Eng. Abstr.) (Jpn)

[5–FU concentration in the blood and tissue of patients with gastric and colorectal cancer after administration of UFT or tegafur] Arima S, et al. **Gan To Kagaku Ryoho** 1986 Aug;13(8):2618–24 (Eng. Abstr.) (Jpn)

[Anticancer treatment with a combination of antimetabolites of polyamine and pyrimidine] Fujimoto S, et al. **Gan To Kagaku Ryoho** 1985 Oct;12(10):2024–9 (Eng. Abstr.) (Jpn)

[Endoscopic administration of OK–432 in gastric cancer] Inbe A, et al. **Gan To Kagaku Ryoho** 1986 Mar;13(3 Pt 1):514–9 (Eng. Abstr.) (Jpn)

[Clinical trial of 5'–deoxy–5–fluorouridine (5'–DFUR) in advanced cancer patients] Irie K, et al. **Gan To Kagaku Ryoho** 1985 Dec;12(12):2371–8 (Eng. Abstr.) (Jpn)

[Adjuvant therapy of gastric cancer in the literature from 1980–1984] Iwanaga T, et al. **Gan To Kagaku Ryoho** 1986 May;13(5):1962–9 (Eng. Abstr.) (Jpn)

[Phase II study of epirubicin on gastric cancer—a cooperative study of the Tokai Cancer Chemotherapy Group] Kimura K, et al. **Gan To Kagaku Ryoho** 1986 Jul;13(7):2440–5 (Eng. Abstr.) (Jpn)

[Advanced gastric cancer successfully resected following cisplatin therapy. A case report] Kishimoto Y, et al. **Gan To Kagaku Ryoho** 1986 Jan;13(1):139–42 (Eng. Abstr.) (Jpn)

[Intra–aortic infusion therapy with sequential methotrexate (MTX) and 5–FU in advanced gastric carcinoma] Kitamura M, et al. **Gan To Kagaku Ryoho** 1986 May;13(5):1927–33 (Eng. Abstr.) (Jpn)

[Clinical application of chemotherapy by using activated carbon particle adsorbing 5–fluorouracil] Kobayashi O, et al. **Gan To Kagaku Ryoho** 1986 Jun;13(6):2230–2 (Jpn)

[Endocrine therapy of scirrhous carcinoma of the stomach] Kojima O, et al. **Gan To Kagaku Ryoho** 1986 Aug;13(8):2526–31 (Eng. Abstr.) (Jpn)

[Intra–arterial infusion therapy with angiotensin II in gastric carcinoma] Konishi T, et al. **Gan To Kagaku Ryoho** 1985 Oct;12(10):1905–14 (Eng. Abstr.) (Jpn)

[Combination cancer chemotherapy of human gastric and colon carcinomas in nude mice—sequential cancer chemotherapy involving mitomycin C and tegafur] Kubota T, et al. **Gan To Kagaku Ryoho** 1986 Apr;13(4 Pt 1):938–44 (Eng. Abstr.) (Jpn)

[Selective hepatic arterial infusion of liposomes containing antitumor agents] Kumai K, et al. **Gan To Kagaku Ryoho** 1985 Oct;12(10):1946–8 (Eng. Abstr.) (Jpn)

[Intra–arterial infusion of CDDP in advanced gastrointestinal cancer (combination of general chemotherapy)] Kurihara A, et al. **Gan To Kagaku Ryoho** 1986 Mar;13(3 Pt 1):586–9 (Eng. Abstr.) (Jpn)

[Systemic chemotherapy with high–dose cisplatin and sodium thiosulfate rescue] Lee K, et al. **Gan To Kagaku Ryoho** 1985 Dec;12(12):2391–4 (Eng. Abstr.) (Jpn)

[Clinical study of PSK as an adjuvant immunochemotherapeutic agent against gastric cancer] Mitomi T, et al. **Gan To Kagaku Ryoho** 1986 Aug;13(8):2532–7 (Eng. Abstr.) (Jpn)

[The dose finding of adjuvant carmofur chemotherapy in patients with stomach cancer] Nakazato H, et al. **Gan To Kagaku Ryoho** 1986 Jun;13(6):2227–9 (Jpn)

[Clinical results of a randomized controlled trial on the effect of adjuvant immunochemotherapy using Esquinon and Krestin in patients with curatively resected gastric cancer. Cooperative Study Group of Cancer Immunochemotherapy, Tokai Gastrointestinal Oncology Group] Nakazato H, et al. **Gan To Kagaku Ryoho** 1986 Feb;13(2):308–18 (Eng. Abstr.) (Jpn)

[Phase II study of THP patients with gastrointestinal cancer] Niimoto M, et al. **Gan To Kagaku Ryoho** 1986 Feb;13(2):362–7 (Eng. Abstr.) (Jpn)

[PMU therapy of recurrent gastric cancer. A case report] Ohyama S, et al. **Gan To Kagaku Ryoho** 1986 Mar;13(3 Pt 1):612–5 (Eng. Abstr.) (Jpn)

[Phase II study of epirubicin in inoperable or recurrent gastric cancer] Sakata Y, et al. **Gan To Kagaku Ryoho** 1986 May;13(5):1887–92 (Eng. Abstr.) (Jpn)

[Intra–arterial infusion chemotherapy combine with noradrenalin administration (an improved antitumor effect using a cancerous blood vessel] Sato T, et al. **Gan To Kagaku Ryoho** 1985 Oct;12(10):1915–21 (Eng. Abstr.) (Jpn)

[Effects of preoperative administration of UFT in gastrointestinal cancer] Sato Y, et al. **Gan To Kagaku Ryoho** 1986 Feb;13(2):337–41 (Eng. Abstr.) (Jpn)

[Chemotherapy of Borrmann type 4 gastric cancer] Suga S, et al. **Gan To Kagaku Ryoho** 1986 Aug;13(8):2520–5 (Eng. Abstr.) (Jpn)

[Phase II study of (2'R)–4'–0–tetrahydropyranyladriamycin (THP) in gastrointestinal cancer] Takenaka K, et al. **Gan To Kagaku Ryoho** 1985 Nov;12(11):2155–60 (Eng. Abstr.) (Jpn)

[Phase II study of 5'–DFUR in gastrointestinal and breast cancer] Tominaga T, et al. **Gan To Kagaku Ryoho** 1985 Nov;12(11):2172–8 (Eng. Abstr.) (Jpn)

[Clinical phase II study of 5'–DFUR for cancer of the digestive organs by a cooperative study group] Urushizaki I, et al. **Gan To Kagaku Ryoho** 1985 Dec;12(12):2358–64 (Eng. Abstr.) (Jpn)

[Randomized study of lentinan on patients with advanced gastric and colorectal cancer. Tohoku Lentinan Study Group] Wakui A, et al. **Gan To Kagaku Ryoho** 1986 Apr;13(4 Pt 1):1050–9 (Eng. Abstr.) (Jpn)

[Intra–abdominal administration of CDDP in the management of carcinomatous peritonitis] Yamada T, et al. **Gan To Kagaku Ryoho** 1986 Apr;13(4 Pt 1):1004–9 (Eng. Abstr.) (Jpn)

[Effects of oral administration of UFT in unresectable gastric cancer with liver metastasis] Yamauchi S, et al. **Gan To Kagaku Ryoho** 1986 Feb;13(2):384–8 (Eng. Abstr.) (Jpn)

[Effect of immunochemotherapy with levamisole on gastric cancer patients—three–year survival rates] Miwa H. **Nippon Gan Chiryo Gakkai Shi** 1985 Dec 20;20(10):2263–70 (Eng. Abstr.) (Jpn)

[Administration of mitomycin–C with an inactivator] Takahashi M, et al. **Nippon Gan Chiryo Gakkai Shi** 1985 Apr 20;20(3):525–7 (Eng. Abstr.) (Jpn)

[Changes in cancer associated cellular proteins after administration of antitumor agent using 2–dimensional PAGE—index of efficacy of antitumor agents] Takahashi T, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Feb 20;21(1):19–27 (Eng. Abstr.) (Jpn)

[Chronic myelogenous leukemia following therapy of early gastric cancer] Ishiyama T, et al. **Rinsho Ketsueki** 1985 May;26(5):756–60 (Eng. Abstr.) (Jpn)

[Carcinoembryonic antigen as an indicator of the effectiveness of the chemotherapy of malignant tumors] Tkacheva GA, et al. **Vestn Akad Med Nauk SSSR** 1986;(5):41–5 (Eng. Abstr.) (Rus)

[Intratumoral administration of 5–fluorouracil and bleomycin in inoperable cancer of the cardioesophageal region] Britsis FA, et al. **Vopr Onkol** 1985;31(9):57–62 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Highly histamine–responsive clones from the human gastric adenocarcinoma cell line HGT–1. Cheret AM, et al. **Agents Actions** 1986 Mar;17(5–6):436–40

Immunocytochemical evidence for gastric proteases in adenocarcinoma of the stomach. Warner TF, et al. **Cancer** 1986 Sep 15;58(6):1328–32

Incorporation of alpha–1–antichymotrypsin into carcinoma cell nuclei of human stomach adenocarcinoma transplanted into nude mice. Takada S, et al. **Cancer Res** 1986 Jul; 46(7):3688–91

Partial purification of a thymidine phosphorylase from human gastric cancer. Sugata S, et al. **Chem Pharm Bull (Tokyo)** 1986 Mar;34(3):1219–22

Comparison of enzymatic characteristics of creatine kinase BB from human healthy and tumor stomach tissues. Kanemitsu F, et al. **Clin Chim Acta** 1985 Sep 16; 151(1):23–31

Immunohistochemical demonstration of induction of pyloric glands with low pepsinogen 1 (Pg 1) content in rat stomach by N–methyl–N'–nitro–N–nitrosoguanidine. Tatematsu M, et al. **Jpn J Cancer Res** 1986 Mar;77(3):238–43

Calcium–activated, phospholipid–dependent protein kinase in human gastric mucosa and carcinoma. Yasui W, et al. **Jpn J Cancer Res** 1985 Dec;76(12):1168–73

Pepsinogen A (I) isozymogens in normal gastric mucosa and in malignant tissue from patients with gastric cancer. Pals G, et al. **Neth J Med** 1985;28(10):463–9

The neutrophil and lymphocyte nonspecific esterase in patients with malignancies. Sulowicz W, et al. **Rev Esp Oncol** 1984;31(3):449–56

[Activity of lactic dehydrogenase and its isoenzyme in intestinal metaplasia of the gastric mucosa, early and advanced gastric carcinoma] Wang ZS. **Chung Hua Chung Liu Tsa Chih** 1985 Jul;7(4):260–2 (Eng. Abstr.) (Chi)

[Evaluation of gastric juice lactic dehydrogenase (LDH) in the prognosis and recurrence of gastric cancer] Huang GQ, et al. **Sun Chuan I Hsueh Yuan Hsueh Pao** 1985 Jun; 16(2):134–7 (Eng. Abstr.) (Chi)

[Various enzymatic activities in gastric carcinoma and intestinal metaplasia] Inoue S. **Gan No Rinsho** 1986 May; 32(6):707–13 (Eng. Abstr.) (Jpn)

[The histochemical and biochemical studies on gamma–glutamyl transpeptidase in human gastric cancer] Oka S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Oct; 82(10):2538–43 (Eng. Abstr.) (Jpn)

[Quantitative measurement and histochemical localization of gamma–glutamyl transpeptidase (GGT) in intestinal metaplasia and carcinomas of the human stomach] Wada M. **Nippon Shokakibyo Gakkai Zasshi** 1985 Jul; 82(7):1675–83 (Eng. Abstr.) (Jpn)

[Trehalase in human pathology] Tomaszewski L, et al. **Postepy Hig Med Dosw** 1985 May–Jun;39(3):349–61 (54 ref.) (Eng. Abstr.) (Pol)

[Changes in the pepsin activity of the gastric mucosa of rats in the early stages of carcinogenesis] Kalinovskii VP, et al. **Vopr Onkol** 1985;31(12):76–80 (Eng. Abstr.) (Rus)

ETIOLOGY

Carcinoma of the gastric stump in China. Zhang JK. **Acta Acad Med Wuhan** 1985;5(3):190–2

Re: "Dietary vitamin A deficiencies and stomach cancer" [letter] Lyon JL. **Am J Epidemiol** 1985 Nov;122(5):920–1

Dietary factors and the incidence of cancer of the stomach. Risch HA, et al. **Am J Epidemiol** 1985 Dec;122(6):947–59

Gastric adenocarcinoma in a patient with xeroderma pigmentosum [letter] Puig L, et al. **Br J Dermatol** 1985 Nov;113(5):632–3

Gastric cancer in coal miners: a case–control study in a coal mining area. Swaen GM, et al. **Br J Ind Med** 1985 Sep; 42(9):627–30

Antisecretory drugs and gastric cancer [letter] Daly MJ, et al. **Br Med J [Clin Res]** 1985 Dec 7;291(6509):1646–7

Gastric remnant cancer after Billroth II procedure. Takeda M, et al. **Diagn Cytopathol** 1985 Jul–Sep;1(3):194–204

Cancer risk of the operated stomach [letter] Langhans P, et al. **Endoscopy** 1985 Sep;17(5):200–1

Evaluation of the nitrosamine hypothesis of gastric carcinogenesis in precancerous conditions. Hall CN, et al. **Gut** 1986 May;27(5):491–8

Heredity, age and cancer. Voitenko VP. **IARC Sci Publ** 1985; (58):35–42

A case–control study of dietary factors and stomach cancer risk in Poland. Jedrychowski W, et al. **Int J Cancer** 1986 Jun 15;37(6):837–42

Chronic gastric ulcers are not predisposed to tumor formation when exposed to a low dose of carcinogen. Siu KF, et al. **J Surg Res** 1986 Jul;41(1):58–64

Dietary determinants of gastric cancer in south Louisiana inhabitants. Correa P, et al. **JNCI** 1985 Oct;75(4):645–54

Relationship between gastric tumorigenesis and intestinal metaplasia in rats given x–radiation and/or N–methyl–N'–nitro–N–nitrosoguanidine. Watanabe H, et al. **JNCI** 1986 May;76(5):865–70

Co–carcinogenic effects of several Korean foods on gastric cancer induced by N–methyl–N'–nitro–N–nitrosoguanidine in rats. Kim JP, et al. **Jpn J Surg** 1985 Nov;15(6):427–37

Stomach cancer after gastric surgery [letter] **Lancet** 1986 Jul 12;2(8498):110–1

Stomach cancer after gastric operations for benign conditions [letter] Drasar BS, et al. **Lancet** 1971 Dec 11;2(7737):1317

Genesis of gastric stump carcinoma [letter] Mason RC, et al. **Lancet** 1986 Jun 14;1(8494):1381

Risk of carcinoma following gastric operations for benign disease. A historical cohort study of 3470 patients. Viste A, et al. **Lancet** 1986 Aug 30;2(8505):502–5

Correlations of values of micronutrients in sera with gastric pathology. Haenszel W, et al. **Natl Cancer Inst Monogr** 1985 Dec;69:115–9

Mutagenic activity of nitrosated foods in an area with a high risk for stomach cancer. Montes G, et al. **Nutr Cancer** 1984; 6(3):171–5

The use of epidemiology, scientific data, and regulatory authority to determine risk factors in cancers of some organs of the digestive system. 5. Stomach cancer. Cordle F. **Regul Toxicol Pharmacol** 1986 Jun;6(2):171–80

Gastric cancer risk in achlorhydric patients. A long–term follow–up study. Svendsen JH, et al. **Scand J Gastroenterol** 1986 Jan;21(1):16–20

[Analysis of etiological factors in gastric cancer in Fuzhou City] Yi YN. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1986 Feb; 7(1):48–50 (Eng. Abstr.) (Chi)

[Asymptomatic cholelithiasis in patients with digestive neoplasms: an epidemiologic study] Sarli L, et al. **Ann Ital Chir** 1985;57(5):563–72 (Eng. Abstr.) (Ita)

[Is cholecystectomy a risk factor in the development of gastric neoplasms?] Filipponi F, et al. **Chir Ital** 1985 Jun; 37(3):305–10 (Eng. Abstr.) (Ita)

[Cancer of the gastric stump after gastroduodenal resection for peptic ulcer disease. Our experience] Frontini L, et al. **Minerva Chir** 1986 May 31;41(10):837–40 (Eng. Abstr.) (Ita)

[Gastric precancerous conditions] Mazzeo F, et al. **Minerva Chir** 1986 Mar 31;41(5–6):435–45 (Ita)

[Dietary factors in the genesis of gastric cancer] Fayenz S. **Minerva Dietol Gastroenterol** 1985 Oct–Dec;31(4):689–703 (102 ref.) (Eng. Abstr.) (Ita)

[Cancer of the gastric stump. Review of endoscopic case records] Colombo E, et al. **Minerva Med** 1986 Mar 17; 77(11):387–90 (Eng. Abstr.) **(Ita)**

[Leiomyosarcoma of the remnant stomach—a case report] Matsumoto K, et al. **Gan No Rinsho** 1986 Feb;32(2):196–202 (Eng. Abstr.) **(Jpn)**

[A case of malignant lymphoma of the remnant stomach] Noguchi Y, et al. **Gan No Rinsho** 1986 May;32(5):543–50 (Eng. Abstr.) **(Jpn)**

[Enhancing effect of a high salt diet on gastrointestinal carcinogenesis] Takahashi M. **Gan No Rinsho** 1986 May; 32(6):667–73 (Eng. Abstr.) **(Jpn)**

[Clinical and immunological study on the high incidence of malignant neoplasms in patients with chronic renal failure] Yoshida E, et al. **Gan No Rinsho** 1985 Sep;31(11):1403–6 (Eng. Abstr.) **(Jpn)**

[Cancer development in the gastric remnant, especially the effect of bile acids] Misaki K. **Nippon Geka Hokan** 1986 Jan 1;55(1):121–31 (Eng. Abstr.) **(Jpn)**

[An autopsy case of macroglobulinemia with gastric cancer] Tanaka S, et al. **Rinsho Ketsueki** 1985 Apr;26(4):532–6 (Eng. Abstr.) **(Jpn)**

[Significance of the association of antral gastritis with gastric ulcer and gastric cancer] Fica V, et al. **Rev Med Interna [Med Interna]** 1985 May–Jun;37(3):257–70 **(Rum)**

[Diseases of the gastrointestinal tract and the development of stomach cancer] Ovsiankina LG. **Vopr Onkol** 1986; 32(2):67–72 (Eng. Abstr.) **(Rus)**

[Polymyositis, immunosuppressive treatment and cardia neoplasms: casual or causal relation] San José A, et al. **Rev Clin Esp** 1985 Jul;177(3):142–4 (Eng. Abstr.) **(Spa)**

[Current problems in carcinoma of the gastric stump] Hebrero San Martín J. **Rev Esp Enferm Apar Dig** 1985 Nov;68(5):429–31 **(Spa)**

[Cancer in the gastric stump] Benavides Benalcázar E, et al. **Rev Gastroenterol Mex** 1986 Apr–Jun;51(2):87–92 (Eng. Abstr.) **(Spa)**

[Cigarette consumption and food habits in patients with peptic ulcer and gastric cancer] Llanos J, et al. **Rev Med Chil** 1985 May;113(5):433–5 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Familial aggregation of melanoma, basal cell carcinoma, and gastric adenocarcinoma. Weston B, et al. **Cancer** 1986 Jun 1;57(11):2230–4

Cytogenetic studies in primary gastric cancer. Ochi H, et al. **Cancer Genet Cytogenet** 1986 Aug;22(4):295–307

Consistency of DNA ploidy between primary and recurrent gastric carcinomas. Korenaga D, et al. **Cancer Res** 1986 Mar;46(3):1544–6

Mechanism of activation of human ras genes cloned from a gastric adenocarcinoma and a pancreatic carcinoma cell line. O'Hara BM, et al. **Cancer Res** 1986 Sep;46(9):4695–700

Genetic etiology of gastric carcinoma: I. Chronic atrophic gastritis. Bonney GE, et al. **Genet Epidemiol** 1986; 3(4):213–24

DNA ploidy patterns of minute carcinomas in the stomach. Hattori T, et al. **Jpn J Cancer Res** 1986 Mar;77(3):276–81

Amplification of c-yes-1 proto-oncogene in a primary human gastric cancer. Seki T, et al. **Jpn J Cancer Res** 1985 Oct;76(10):907–10

Ha-ras oncogene product in human gastric carcinoma: correlation with invasiveness, metastasis or prognosis. Tahara E, et al. **Jpn J Cancer Res** 1986 Jun;77(6):517–22

Prognostic study of intramucosal carcinoma of the stomach with DNA aneuploidy. Korenaga D, et al. **Jpn J Surg** 1985 Nov;15(6):443–8

A human gastric carcinoma contains a single mutated and an amplified normal allele of the Ki-ras oncogene. Bos JL, et al. **Nucleic Acids Res** 1986 Feb 11;14(3):1209–17

Transforming gene from human stomach cancers and a noncancerous portion of stomach mucosa. Sakamoto H, et al. **Proc Natl Acad Sci USA** 1986 Jun;83(11):3997–4001

[Sister chromatid exchange in gastric cancer, chronic atrophic gastritis and normal control] Zhou L. **Chung Hua Chung Liu Tsa Chih** 1985 Jul;7(4):257–9 (Eng. Abstr.) **(Chi)**

[Mutation and oncogenesis] Sekiguchi M. **Fukuoka Igaku Zasshi** 1985 Nov;76(11):527–30 (4 ref.) **(Jpn)**

[Genetic analysis of the gastric precancer–cancer system. I. Research in different populations] Al'tshuler BA, et al. **Genetika** 1986 Jan;22(1):146–52 (Eng. Abstr.) **(Rus)**

[Genetic analysis of precancer–cancer of the stomach system. II. Lactate dehydrogenase in families of the patients: is it a marker of hereditary predisposition?] Al'tshuller BA, et al. **Genetika** 1986 Mar;22(3):527–36 (Eng. Abstr.) **(Rus)**

[Cell oncogene expression in human stomach tumors] Spitkovskiĭ DD, et al. **Vopr Onkol** 1985;31(12):44–9 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Behaviour of basement membrane antigens in gastric and colorectal cancer. Immunohistochemical study. Grigioni WF, et al. **Acta Pathol Jpn** 1986 Feb;36(2):173–84

Isolation and characterization of a carcinoma-associated antigen. Ross AH, et al. **Biochem Biophys Res Commun** 1986 Feb 26;135(1):297–303

The generation of interleukin-2-dependent suppressor T-cells from patients with systemic metastasis of gastric carcinoma and the phenotypic characterization of the cells defined by monoclonal antibodies. Koyama S, et al. **Cancer** 1985 Nov 15;56(10):2437–45

Carcinoembryonic antigen in experimental rat gastrointestinal carcinoma. Johnson FE, et al. **Cancer Detect Prev** 1985; 8(4):471–6

Distribution of two tumor-associated antigens in gastric lesions as detected by two monoclonal antibodies on tissue sections. Stramignoni D, et al. **Cancer Detect Prev** 1985; 8(1–2):193–206

HLA type and survival in gastric cancer. Hayashi R, et al. **Cancer Res** 1986 Jul;46(7):3701–3

Generation of lymphokine-activated killer (LAK) cells from tumor-infiltrating lymphocytes. Nishimura T, et al. **Cell Immunol** 1986 Jun;100(1):149–57

Monitoring immunocompetent cells in the peripheral blood of stomach cancer patients after splenectomy and gastrectomy. Lersch C, et al. **J Cancer Res Clin Oncol** 1985; 110(3):225–9

Serial immunological testing in patients with gastric cancer. Zembala M, et al. **J Cancer Res Clin Oncol** 1986; 111(1):62–70

Monocyte regulation of lymphokine production in cancer patients. Kowalczyk D, et al. **J Clin Lab Immunol** 1986 Jan;19(1):37–41

A monoclonal antibody reacting with various human carcinomas and fetal colon and esophagus. Ochiai A, et al. **Jpn J Cancer Res** 1985 Oct;76(10):915–8

Preparation of human monoclonal antibodies of IgG type to gastro-intestinal cancer-associated antigen. Sugiyama T, et al. **Jpn J Cancer Res** 1986 Jul;77(7):722–9

Evaluation of carcinoembryonic antigen levels in gastric juice, stomach mucosa and plasma in high-risk and gastric cancer patients. Castelli M, et al. **Oncology** 1986; 43(3):149–53

[Preparation and identification of monoclonal antibody against the gastric cancer cell line MGC 803] Dong ZW. **Chung Hua Chung Liu Tsa Chih** 1986 Jan;8(1):8–10 (Eng. Abstr.) **(Chi)**

[Immunocytochemical study of monoclonal antibody 83YH2 in stomach cancer] Zhang YC, et al. **Chung Hua Chung Liu Tsa Chih** 1986 May;8(3):161–4 (Eng. Abstr.) **(Chi)**

[CEA content of tissue and body fluids of patients with gastric cancer: relation of tumor tissue, gastric juice and serum levels] Xing LP, et al. **Chung Hua Nei Ko Tsa Chih** 1985 Nov;24(11):662–5, 701–2 (Eng. Abstr.) **(Chi)**

[Demonstration of glycoprotein antigens associated with stomach tumors] Remy-Heintz N, et al. **C R Soc Biol (Paris)** 1985;179(3):389–96 (Eng. Abstr.) **(Fre)**

[Cytostatic activity of the peritoneal macrophage in patients with gastric cancer] Abe Y. **Fukuoka Igaku Zasshi** 1985 Oct;76(10):489–99 (Eng. Abstr.) **(Jpn)**

[The restration effect of PSK on the postoperative immunosuppression in patients with gastric cancer] Notsuka T. **Fukuoka Igaku Zasshi** 1985 Sep;76(9):478–88 (Eng. Abstr.) **(Jpn)**

[Clinical significance of the determination of serum carbohydrate antigen 19-9 in patients with carcinoma of the stomach and colorectum] Hamazoe R, et al. **Gan No Rinsho** 1985 Aug;31(10):1287–92 (Eng. Abstr.) **(Jpn)**

[Clinical study on tissue polypeptide antigen (TPA) in gastric cancer] Kanauchi M, et al. **Gan No Rinsho** 1985 Sep; 31(11):1367–71 (Eng. Abstr.) **(Jpn)**

[Antibody-dependent cell-mediated cytotoxicity (ADCC) in gastric and colorectal cancer] Sekizuka H, et al. **Gan No Rinsho** 1986 Jul;32(8):879–82 (Eng. Abstr.) **(Jpn)**

[Postoperative cell-mediated immunity in gastric cancer patients—with special reference to the effects of immunotherapy] Sekizuka H, et al. **Gan No Rinsho** 1985 Sep;31(11):1381–6 (Eng. Abstr.) **(Jpn)**

[Clinical study on serum immunosuppressive factors in gastric cancer patients—with special reference to preoperative IAP values and the influence of surgical stress] Yokoyama Y, et al. **Gan No Rinsho** 1985 Aug;31(10):1275–80 (Eng. Abstr.) **(Jpn)**

[Changes in nonspecific suppressor factors in the serum of gastric cancer patients after surgery and immunochemotherapy] Nomoto K, et al. **Gan To Kagaku Ryoho** 1986 Mar;13(3 Pt 1):458–63 (Eng. Abstr.) **(Jpn)**

[Monoclonal antibody 9A3 raised against a human poorly differentiated gastric adenocarcinoma cell line] Ochiai A, et al. **Gan To Kagaku Ryoho** 1986 Apr;13(4 Pt 2):1416–22 (Eng. Abstr.) **(Jpn)**

[A multi-center trial of MY-1, a new biological response modifier, on the immunological parameters of postoperative gastric cancer patients] Ochiai T, et al. **Gan To Kagaku Ryoho** 1986 Apr;13(4 Pt 1):959–69 (Eng. Abstr.) **(Jpn)**

[The comparative study of biological behavior between primary lesion and metastatic lymph node of gastric cancer—immunohistochemical study of CEA and CA 19-9] Takahashi Y, et al. **Gan To Kagaku Ryoho** 1986 Jun; 13(6):2233–4 **(Jpn)**

[Effect of human recombinant-gamma interferon on the immune function of peripheral blood lymphocytes in cancer patients] Yamada J, et al. **Gan To Kagaku Ryoho** 1986 May; 13(5):1946–52 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical studies of human natural killer cell activity in healthy subjects and patients with cancer of the digestive tract] Matsumoto H. **Nippon Gan Chiryo Gakkai Shi** 1985 Apr 20;20(3):571–83 (Eng. Abstr.) **(Jpn)**

[Augmentation of cytotoxicity of tumor infiltrating lymphocytes by interleukin-2 in gastric cancer patients] Gotoh K. **Nippon Geka Gakkai Zasshi** 1985 Dec; 86(12):1600–7 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical studies on the significance of human T cells bearing IgG-Fc receptor (T gamma cells) in gastric cancer patients] Itagaki E. **Nippon Geka Gakkai Zasshi** 1985 Oct;86(10):1405–16 (Eng. Abstr.) **(Jpn)**

[Management of malignant ascites with a streptococcal preparation, OK-432: induction of growth inhibition factor(s) against tumor cells] Katano M, et al. **Nippon Geka Gakkai Zasshi** 1986 Apr;87(4):471 **(Jpn)**

[Localization of radiolabeled antibody to carcinoembryonic antigen in patients with gastrointestinal carcinoma] Ohashi A. **Nippon Geka Gakkai Zasshi** 1986 Mar;87(3):297–306 (Eng. Abstr.) **(Jpn)**

[Observation on natural killer cell activity in gastric cancer patients and effect of nonspecific immunopotentiator administration on its postoperative reduction] Oshita H, et al. **Nippon Geka Gakkai Zasshi** 1985 Oct;86(10):1417–25 (Eng. Abstr.) **(Jpn)**

[The role of the body's defense against tumors by regional lymph nodes] Sakakibara N, et al. **Nippon Geka Gakkai Zasshi** 1985 Sep;86(9):1116–9 (Eng. Abstr.) **(Jpn)**

[The immune defense system in gastric cancer tissue, regional lymph node and spleen—aspects from subsets and functions of lymphocytes] Tanaka N, et al. **Nippon Geka Gakkai Zasshi** 1985 Sep;86(9):1112–5 (Eng. Abstr.) **(Jpn)**

[The role of the spleen in immunosuppression and the effects of splenectomy on prognosis in gastric cancer patients] Toge T, et al. **Nippon Geka Gakkai Zasshi** 1985 Sep; 86(9):1120–3 (Eng. Abstr.) **(Jpn)**

[The correlation of natural killer activity and interferon in the serum of gastric cancer patients] Aoike A. **Nippon Shokakibyo Gakkai Zasshi** 1985 Nov; 82(11):2723–32 (Eng. Abstr.) **(Jpn)**

[Immunohistochemical study on interleukin-2 receptor positive cells in regional lymph nodes in gastric cancer] Inagaki T. **Nippon Shokakibyo Gakkai Zasshi** 1986 Apr; 83(4):861 **(Jpn)**

[Cytotoxic activity of tumor-infiltrating lymphocytes and macrophages in gastric cancer] Shirato M. **Nippon Shokakibyo Gakkai Zasshi** 1985 Jul;82(7):1665–74 (Eng. Abstr.) **(Jpn)**

[Humoral and cellular immunity in patients with neoplasms of the digestive system] Lewandowski B, et al. **Pol Tyg Lek** 1986 Mar 31;41(13):402–8 (Eng. Abstr.) **(Pol)**

[Carcinoembryonic antigen (CEA) in patients with malignant neoplasms of the stomach] Skrobisz J, et al. **Pol Tyg Lek** 1986 Mar 31;41(13):389–92 (Eng. Abstr.) **(Pol)**

[Immunohistologic study of the localization of organ-specific antigens of the stomach and intestine and carcinoembryonic antigen in normal and pathologically altered stomach tissues] Pugachev KK, et al. **Arkh Patol** 1986;48(6):55–60 (Eng. Abstr.) **(Rus)**

[Tumor antigens (AFP and CEA) and their prognostic value in stomach cancer] Smyslova Vn, et al. **Med Radiol (Mosk)** 1986 Feb;31(2):48–52 **(Rus)**

[Immunologic reactivity of patients with early gastric cancer] Ageenko AI, et al. **Sov Med** 1986;(6):21–5 (Eng. Abstr.) **(Rus)**

[Function of the B- and T-systems of immunity and phagocytosis in gastric polyposis patients] Buianov VM, et al. **Sov Med** 1985;(10):17–20 (Eng. Abstr.) **(Rus)**

[In vitro studies of autologous and allogeneic recognition in patients with gastric and colorectal adenocarcinoma] Machado I, et al. **GEN** 1985 Jan–Mar;39(1):1–19 (Eng. Abstr.) **(Spa)**

METABOLISM

Pharmacology of histamine H2 receptor antagonists in the human gastric cancer cell line HGT-1. Structure-activity relationship of isocytosine-furan and imidazole derivatives related to cimetidine. Emami S, et al. **Biochem Pharmacol** 1986 Jun 1;35(11):1825–34

Marked inhibition of histamine formation in transplantable histamine-producing gastric carcinoid of Mastomys natalensis by (S)-alpha-fluoromethylhistidine and its potent antiulcer effect on tumor-bearing hosts. Hosoda S, et al. **Biochem Pharmacol** 1985 Dec 15;34(24):4327–9

Phospholipid patterns and phospholipase A2 activities in gastric mucosa of rats developing carcinomas after surgically induced enterogastric reflux. Dittrich S, et al. **Biomed Biochim Acta** 1985;44(5):679–84

N1-(2 tetrahydrofuryl)-5-fluorouracil (FT-207) in the postoperative adjuvant chemotherapy of gastric cancer. Delivery of a fat-emulsified agent to the lymph. Hanawa H, et al. **Cancer** 1986 Feb 15;57(4):693–8

Estrogen and progesterone receptors in gastric cancer. Tokunaga A, et al. **Cancer** 1986 Apr 1;57(7):1376–9

Increase of phosphotyrosine-containing proteins in human carcinomas. Ogawa R, et al. **Jpn J Cancer Res** 1985 Nov; 76(11):1049–55

Functional receptors for VIP, GIP, glucagon–29 and –37 in the HGT–1 human gastric cancer cell line. Emami S, et al. **Peptides** 1986;7 Suppl 1:121–7 (83 ref.)

Production of group I pepsinogen by gastric carcinoma. Kodama M, et al. **Tohoku J Exp Med** 1986 Feb; 148(2):239–40

Immunohistochemical studies of endocrine cells in heterotopic pancreas. Hara M, et al. **Virchows Arch [A]** 1986;408(4):385–94

Localization of CEA, HCG, lysozyme, alpha–1–antitrypsin, and alpha–1–antichymotrypsin in gastric cancer and prognosis. Wittekind C, et al. **Virchows Arch [A]** 1986; 409(5):715–24

Preliminary investigations of a correlation between electron energy loss and morphometric analyses on ultrathin cryosections from normal and neoplastic gastric tissues. Wolf B, et al. **Virchows Arch [A]** 1986;408(6):665–76

[Secretion of gastrin in patients with gastric carcinoma] Byong-Sik S, et al. **Sb Lek** 1986 Apr–May;88(4–5):109–18 (Eng. Abstr.) (Cze)

[5–FU concentration in tissues of gastric cancer patients with preoperative administration of UFT—especially in comparison with FT–207] Takeshita M, et al. **Gan No Rinsho** 1985 Oct;31(13):1697–703 (Eng. Abstr.) (Jpn)

[TNF induction in the serum and ascites of a gastric cancer patient treated with OK–432] Neda H, et al. **Gan To Kagaku Ryoho** 1986 Mar;13(3 Pt 1):593–7 (Eng. Abstr.) (Jpn)

[Evaluation of mucosal energy substrates in patients with stomach cancer. II. Triacylglycerol levels] Namiot Z, et al. **Wiad Lek** 1986 May 1;39(9):591–5 (Eng. Abstr.) (Pol)

[Changes in the supramolecular structure of chromatin and pepsinogen synthesis in the gastric mucosa of rats undergoing N–methyl–N'–nitro–N–nitrosoguanidine–induced carcinogenesis] Kalinovskil VP, et al. **Eksp Onkol** 1986; 8(1):32–5 (Eng. Abstr.) (Rus)

[Concentration of histamine and serotonin in the biological fluids and tissues of patients with polyposis of the stomach] Buianov VM, et al. **Klin Med (Mosk)** 1985 Nov; 63(11):66–70 (Eng. Abstr.) (Rus)

MICROBIOLOGY

Gastric juice microflora in patients with gastric ulcer and gastric cancer [letter] Marne C, et al. **Eur J Clin Microbiol** 1985 Aug;4(4):426–7

MORTALITY

Excess mortality from stomach cancer, lung cancer, and asbestosis and/or mesothelioma in crocidolite mining districts in South Africa. Botha JL, et al. **Am J Epidemiol** 1986 Jan;123(1):30–40

Factors influencing 5–year survival in gastric malignancies after total gastrectomy. Saario I, et al. **Ann Chir Gynaecol** 1986;75(1):23–7

Morbidity and mortality of operative intubation for malignant oesophageal obstruction. Hartley L, et al. **Aust NZ J Surg** 1985 Dec;55(6):555–7

Mortality from stomach cancer in United States cement plant and quarry workers, 1950–80. Amandus HE. **Br J Ind Med** 1986 Aug;43(8):526–8

Gastric cancer in a south Wales valley. Atuhaire LK, et al. **Br J Ind Med** 1986 May;43(5):350–2

Prediction of post–operative survival time by multivariate analysis in patients with advanced cancer of the stomach. Iriyama K, et al. **Int Surg** 1986 Apr–Jun;71(2):73–5

Gastric cancer and lymphosarcoma among wood and pulp workers [letter] Svirchev LM, et al. **J Occup Med** 1986 Apr;28(4):264–5

Prognostic value of preoperative serum CEA level compared to clinical staging. IV. Histological grading and tumor type in colorectal and gastric cancer. Bogenschütz O, et al. **J Surg Oncol** 1986 Jul;32(3):165–73

Characteristics of gastric cancer invading to the proper muscle layer—with special reference to mortality and cause of death. Yoshikawa K, et al. **Jpn J Clin Oncol** 1985 Sep; 15(3):499–503

Mortality from gastric cancer following gastric surgery for peptic ulcer. Caygill CP, et al. **Lancet** 1986 Apr 26; 1(8487):929–31

Mortality from gastric cancer after gastric surgery for peptic ulcer [letter] Logan RF. **Lancet** 1986 Jun 28;1(8496):1505

Why are diabetes, stomach cancer and circulatory diseases more common in Northern Sweden? Nyström L, et al. **Scand J Prim Health Care** 1986 Feb;4(1):5–12

Factors influencing prognosis in carcinoma of the stomach. Armstrong CP, et al. **Surg Gynecol Obstet** 1986 Apr; 162(4):343–8

[Change in mortality of gastric cancer from 1963 to 1981 in Shanghai urban residents] Tu JT. **Chung Hua Chung Liu Tsa Chih** 1985 Jul;7(4):274–6 (Eng. Abstr.) (Chi)

[Investigation on the mortality of carcinoma among woodcut workers] Huang CL. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1985 Sep; 19(5):268–70 (Eng. Abstr.) (Chi)

[Stomach cancer survival rates] Zinsser E, et al. **Dtsch Z Verdau Stoffwechselkr** 1985;45(6):253–60 (Eng. Abstr.) (Ger)

[Stomach cancer in Poland—new epidemiologic trends] Jedrychowski WA, et al. **Z Gesamte Hyg** 1986 Jan;32(1):7–9 (Eng. Abstr.) (Ger)

[Primary malignant lymphomas of the stomach] Karácsonyi M, et al. **Orv Hetil** 1986 May 25;127(21):1263–7 (Eng. Abstr.) (Hun)

[Long–term survival after distal subtotal gastrectomy for cancer. Considerations on 335 cases] Di Giorgio A, et al. **Minerva Chir** 1986 Jan 31;41(1–2):69–78 (Eng. Abstr.) (Ita)

[Prognostic factors in gastric carcinoma] Colecchia G, et al. **Minerva Med** 1986 May 12;77(20):883–7 (Eng. Abstr.) (Ita)

[Adjusted relative survival rate and causes of death after resection of gastric cancer] Hirose S, et al. **Gan No Rinsho** 1985 Oct;31(13):1692–6 (Eng. Abstr.) (Jpn)

[Regional differences in gastric cancer mortality and eating habits of people] Shimada A. **Gan No Rinsho** 1986 May; 32(6):692–8 (Eng. Abstr.) (Jpn)

[A study on the evaluation of the effect ofa gastric mass survey. The effect of a mass survey viewed from the survival rate of gastric cancer] Sugawara N, et al. **Nippon Gan Chiryo Gakkai Shi** 1985 Aug 20;20(7):1279–84 (Eng. Abstr.) (Jpn)

[Epidemiologic study of mortality in malignant tumors of the stomach. 1951–1978.] López Casares R, et al. **Rev Sanid Hig Publica (Madr)** 1985 Jan–Feb;59(1–2):77–100 (Eng. Abstr.) (Spa)

OCCURRENCE

Retrospective analysis of gastric stump carcinoma patients treated during 1946–1981. Ovaska JT, et al. **Acta Chir Scand** 1986 Mar;152:199–204

Significance of a gastric mass screening survey. Shiratori Y, et al. **Am J Gastroenterol** 1985 Nov;80(11):831–4

Gastric cancer in New Mexico counties with significant deposits of uranium. Wilkinson GS. **Arch Environ Health** 1985 Nov–Dec;40(6):307–12

Epidemiologic characteristics of gastric stump cancer in the GDR 1971–1980. Winkler R, et al. **Arch Geschwulstforsch** 1986;56(1):45–52

Gastric cancer in Norfolk. Caygill C, et al. **Br J Cancer** 1986 Jan;53(1):145–7

Carcinoma of the stomach in atomic bomb survivors. A comparison of clinicopathologic features to the general population. Suehiro S, et al. **Cancer** 1986 May 1; 57(9):1894–8

Gastric cancer among the Japanese in Hawaii: a review. Nomura A, et al. **Hawaii Med J** 1985 Aug;44(8):301–3

Studies comparing population differences in sodium intake and gastric cancer rates [letter] Bernstein L, et al. **J Cancer Res Clin Oncol** 1985;110(2):184

Gastric cancer among paper mill workers [letter] Wingren G, et al. **J Occup Med** 1985 Oct;27(10):715

Stomach and colorectal cancers in Puerto Rican–born residents of New York City. Warshauer ME, et al. **JNCI** 1986 Apr;76(4):591–5

Gastric cancer risk factors: a case–control study based on medical records. Hoshino H, et al. **Jpn J Cancer Res** 1985 Sep;76(9):846–50

Prevalence of gastric cancer in a large necropsy series [letter] Stanta G, et al. **Lancet** 1986 Mar 15;1(8481):624

A case–control study of stomach cancer in Shandong Province. Wang TG, et al. **Natl Cancer Inst Monogr** 1985 Dec;69:9–10

Gastric cancer in Poland—a decreased malignancy due to changing nutritional habits of the population. Jedrychowski WA, et al. **Neoplasma** 1986;33(1):97–106

Gastric carcinoma at Tygerberg Hospital, 1979–1983. A retrospective study. Van Eeden PJ, et al. **S Afr Med J** 1985 Dec 21;68(13):949–50

Epidemiologic, clinicopathologic, and economic aspects of gastroscopic screening of patients with pernicious anemia. Borch K. **Scand J Gastroenterol** 1986 Jan;21(1):21–30

[Relation between the diet of the residents and the incidence of gastric cancer in Yantai District] Xu HX. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1985 Aug; 6(4):245–7 (Eng. Abstr.) (Chi)

[The occurrence of gastric cancer in the Faeroe Islands] Poulsen JT, et al. **Ugeskr Laeger** 1985 Aug 26; 147(35):2741–4 (Eng. Abstr.) (Dan)

[New aspects of early gastric carcinoma] Menniken C, et al. **Dtsch Med Wochenschr** 1986 Feb 14;111(7):255–8 (Eng. Abstr.) (Ger)

[Carcinoma in the gastric stump—a study of autopsy material] Dittrich S, et al. **Zentralbl Allg Pathol** 1985;130(3):211–6 (Eng. Abstr.) (Ger)

[Time trend in the types of gastric carcinoma. Analysis of autopsy cases] Inoue T. **Fukuoka Igaku Zasshi** 1985 Dec; 76(12):549–65 (Eng. Abstr.) (Jpn)

[Dietary mutagenicity and stomach cancer epidemiology] Kamiyama S, et al. **Gan No Rinsho** 1986 May;32(6):699–706 (Eng. Abstr.) (Jpn)

[A statistical analysis of multiple primary malignant tumors] Kubo M, et al. **Gan No Rinsho** 1985 Aug;31(10):1303–10 (Eng. Abstr.) (Jpn)

[Multiple primary cancers observed after surgery of lung cancer, and their countermeasures] Kuwahara O, et al. **Gan No Rinsho** 1985 Nov;31(14):1771–5 (Eng. Abstr.) (Jpn)

[A comparative case–control study of stomach and large intestinal cancers] Tajima K, et al. **Gan No Rinsho** 1986 May;32(6):582–90 (Eng. Abstr.) (Jpn)

[Gastric carcinoma in the aged—a comparison between Japan and Germany] Oshima H, et al. **Nippon Ronen Igakkai Zasshi** 1985 May;22(3):235–44 (Eng. Abstr.) (Jpn)

[Gastric cancer in the Talca Regional Hospital] Llanos López J, et al. **Rev Med Chil** 1985 Mar;113(3):213–5 (Eng. Abstr.) (Spa)

PATHOLOGY

Carcinosarcoma of the stomach. A case report with light microscopic, immunohistochemical, and electron microscopic study. Hanada M, et al. **Acta Pathol Jpn** 1985 Jul;35(4):951–9

Solitary gastric polyps in the fundic gland area. A histochemical study. Hara M, et al. **Acta Pathol Jpn** 1985 Jul;35(4):831–40

Inflammatory fibroid polyp of the stomach. Ishikura H, et al. **Acta Pathol Jpn** 1986 Mar;36(3):327–35

Gross and microscopic characteristics of stomach cancer with microangiopathic hemolytic anemia and/or disseminated intravascular coagulopathy. Morimatsu M, et al. **Acta Pathol Jpn** 1985 Jul;35(4):809–22

Comparison of seven cell lines derived from human gastric carcinomas. Motoyama T, et al. **Acta Pathol Jpn** 1986 Jan; 36(1):65–83

Inflammatory cells in 256 Walker tumour growing in the stomachs of rats. Brøyn T, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1985 Sep; 93(5):257–64

Intramucosal gastric carcinoma in a patient with familial polyposis coli. Desigan G, et al. **Am J Gastroenterol** 1986 Jan;81(1):19–22

Japanese technique of early gastric cancer diagnosis. Fernando SS, et al. **Am J Gastroenterol** 1986 Sep; 81(9):757–63

Gastritis cystica profunda. Fonde EC, et al. **Am J Gastroenterol** 1986 Jun;81(6):459–64

Squamous cell carcinoma of the stomach: report of three cases. Mori M, et al. **Am J Gastroenterol** 1986 May; 81(5):339–42

Gastric carcinoma in the young: a clinicopathological and immunohistochemical study. Radi MJ, et al. **Am J Gastroenterol** 1986 Sep;81(9):747–56

The diagnostic significance of sulfated acid mucin content in gastric intestinal metaplasia with early gastric cancer. Turani H, et al. **Am J Gastroenterol** 1986 May;81(5):343–5

Squamous carcinoma of the stomach: a rarity or an evolving problem? [editorial] Weisbrot IM. **Am J Gastroenterol** 1986 May;81(5):398

Pathological features and mucin histochemistry of primary gastric stump carcinoma associated with gastritis cystica polyposa. A study of six cases. Bogomoletz WV, et al. **Am J Surg Pathol** 1985 Jun;9(6):401–10

The diagnostic challenge of metastatic linitis plastica. Two cases and a consideration of the problem. Kanter MA, et al. **Am Surg** 1986 Sep;52(9):510–3

Cancer of the distal esophagus and cardia. Incidence, tumorous infiltration, and metastatic spread. Sons HU, et al. **Ann Surg** 1986 Feb;203(2):188–95

Clinical and pathological associations of argyrophil cell hyperplasias of the gastric mucosa. Bordi C, et al. **Appl Pathol** 1984;2(5):282–91

Gastric hyalinization presenting in life and mimicking gastric cancer. Parrott NR, et al. **Arch Pathol Lab Med** 1986 Feb; 110(2):155–6

Evaluation of gastric adenocarcinoma. Abdominal computed tomography does not replace celiotomy. Cook AO, et al. **Arch Surg** 1986 May;121(5):603–6

Effects of gastrin, glutamine, and somatostatin on the in vitro growth of normal and malignant human gastric mucosal cells. Moyer MP, et al. **Arch Surg** 1986 Mar;121(3):285–8

The value of pre–operative ultrasound of the liver in colonic and gastric neoplasia. Cave–Bigley DJ, et al. **Br J Radiol** 1985 Jan;58(685):13–4

Pyloric obstruction by ectopic liver tissue. el Haddad MJ, et al. **Br J Surg** 1985 Nov;72(11):917

Gastric polyposis and malignancy. Harju E. **Br J Surg** 1986 Jul;73(7):532–3

Clinicopathological features of mucosal carcinoma of the stomach with lymph node metastasis in eleven patients. Korenaga D, et al. **Br J Surg** 1986 Jun;73(6):431–3

Anaplastic neoplasm in a patient with hairy cell leukemia. Davis KM, et al. **Cancer** 1985 Nov 15;56(10):2470–5

Development of adenocarcinomas in the stomach. Hattori T. **Cancer** 1986 Apr 15;57(8):1528–34

Sulphomucin colonic type intestinal metaplasia and carcinoma in the stomach. A histochemical study of 115 cases obtained by biopsy. Huang CB, et al. **Cancer** 1986 Apr 1;57(7):1370–5

Evaluation of fine–needle aspiration biopsy under direct vision gastrofiberscopy in diagnosis of diffusely infiltrative carcinoma of the stomach. Iishi H, et al. **Cancer** 1986 Apr 1;57(7):1365–9

Hepatoid adenocarcinomas of the stomach. An analysis of seven cases. Ishikura H, et al. **Cancer** 1986 Jul 1; 58(1):119–26

Malignant tumor and eosinophils. I. Prognostic significance

in gastric cancer. Iwasaki K, et al. **Cancer** 1986 Sep 15; 58(6):1321–7

Two cases of gastric cancer-bearing double choledochus with ectopic drainage into the stomach. Kondo K, et al. **Cancer** 1986 Jan 1;57(1):138–41

Adenosquamous carcinoma of the stomach. A clinicopathologic analysis of 28 cases. Mori M, et al. **Cancer** 1986 Jan 15;57(2):333–9

Sensitivity, specificity, and predictive value of laparoscopy for the staging of gastric cancer and for the detection of liver metastases. Possik RA, et al. **Cancer** 1986 Jul 1; 58(1):1–6

Focal malignant lymphoma in gastric pseudolymphoma. Histologic and immunohistochemical study of a case. Scoazec JY, et al. **Cancer** 1986 Apr 1;57(7):1330–6

A variant of early gastric carcinoma. Histologic and histochemical studies of early signet ring cell carcinomas discovered beneath preserved surface epithelium. Yamashina M. **Cancer** 1986 Sep 15;58(6):1333–9

Gastric and intestinal phenotypic expressions of human signet ring cell carcinomas revealed by their biochemistry, mucin histochemistry, and ultrastructure. Tatematsu M, et al. **Cancer Res** 1986 Sep;46(9):4866–72

Areae gastricae. Comparative pathologic and radiologic study on 50 human stomach specimens. Li FS, et al. **Chin Med J [Engl]** 1984 Dec;97(12):885–92

Gastric carcinoma. Study of lymphatic metastasis. Lin CH, et al. **Chin Med J [Engl]** 1984 Oct;97(10):741–6

Investigation of SGC-7901 cell line established from human gastric carcinoma cells. Lin CH, et al. **Chin Med J [Engl]** 1984 Nov;97(11):831–4

The human gut contains a novel population of B lymphocytes which resemble marginal zone cells. Spencer J, et al. **Clin Exp Immunol** 1985 Dec;62(3):607–12

The prognostic value of Laurén's histopathological classification system and ABO blood groups in patients with stomach carcinoma. Viste A, et al. **Eur J Surg Oncol** 1986 Jun;12(2):135–41

Sequential changes of nuclear DNA content caused by chemotherapy in experimental canine gastric cancer. Ochi K, et al. **Gastroenterol Jpn** 1985 Dec;20(6):548–57

Natural history of fundic gland polyposis in patients with familial adenomatosis coli/Gardner's syndrome. Iida M, et al. **Gastroenterology** 1985 Nov;89(5):1021–5

Lymph and blood capillaries of the human gastric mucosa. A morphologic basis for metastasis in early gastric carcinoma. Lehnert T, et al. **Gastroenterology** 1985 Nov; 89(5):939–50

Postgastrectomy polyps and polyps at site of anastomosis—further considerations [letter] Delpre G, et al. **Gastrointest Endosc** 1986 Jun;32(3):247

Cancer of the gastric stump. Loscos JM, et al. **Gastrointest Endosc** 1986 Apr;32(2):75–7

Endoscopic surveillance for cancer of the gastric stump. Schuman BM. **Gastrointest Endosc** 1986 Apr;32(2):117–8

Incomplete sulphomucin-secreting intestinal metaplasia for gastric cancer. Preliminary data from a prospective study from three centres. Filipe MI, et al. **Gut** 1985 Dec; 26(12):1319–26

Long-dormant invasive mole associated with multiple malignancies. Sato H, et al. **Gynecol Oncol** 1985 Oct; 22(2):240–3

Computed tomographic findings in myogenic gastric tumors. Seemann WR, et al. **Hepatogastroenterology** 1985 Aug; 32(4):202–5

Scirrhous endocrine cell carcinoma of the stomach with synchronous production of six polypeptide hormones and glycoproteins. A case report. Yokozaki H, et al. **Hiroshima J Med Sci** 1985 Dec;34(4):381–5

The prevalence, prognostic significance and hormonal content of endocrine cells in gastric cancer. Boear SF, et al. **Histopathology** 1986 Jan;10(1):53–63

Ultrastructural and immunocytochemical definition of component neoplasms in an unusual gastro-oesophageal collision tumour. Purdy S, et al. **Histopathology** 1986 May; 10(5):525–34

Gastric signet-ring cell lymphoma with alpha heavy chains. Tungekar MF. **Histopathology** 1986 Jul;10(7):725–33

Primary B-cell gastric lymphoma. Isaacson PG, et al. **Hum Pathol** 1986 Jan;17(1):72–82

Comparative features of esophageal and gastric adenocarcinomas: recent changes in type and frequency. Wang HH, et al. **Hum Pathol** 1986 May;17(5):482–7

Squamous cell carcinoma of the stomach [letter] Singh K, et al. **Indian J Gastroenterol** 1986 Apr;5(2):146–7

Gastric malignant lymphoma: immunohistochemical findings correlated with histopathology and clinical data. Pinto E, et al. **Ital J Surg Sci** 1985;15(2):161–7

Cell proliferation and cell loss in intramucosal signet ring cell carcinoma of canine stomachs induced by N-ethyl-N'-nitro-N-nitrosoguanidine. Sugihara H, et al. **J Cancer Res Clin Oncol** 1985;110(2):87–94

Morphometric analysis of gastric dysplasia. Jarvis LR, et al. **J Pathol** 1985 Oct;147(2):133–8

DNA flow cytometry of histological material from human gastric cancer. Macartney JC, et al. **J Pathol** 1986 Apr; 148(4):273–7

Squamous cell carcinoma of the stomach: a study of four patients with comments on histogenesis. Callery CD, et al. **J Surg Oncol** 1985 Jul;29(3):166–72

The simultaneous coexistence of adenocarcinoma and primary malignant lymphoma in the stomach. Czerniak A, et al. **J Surg Oncol** 1985 Sep;30(1):42–5

Sequential histologic changes during gastric carcinogenesis induced by N-methyl-N'-nitro-N-nitrosoguanidine in susceptible ACI and resistant BUF rats. Ohgaki H, et al. **JNCI** 1986 Sep;77(3):747–55

Growth-promoting effect of gastrin on human gastric carcinoma cell line TMK-1. Ochiai A, et al. **Jpn J Cancer Res** 1985 Nov;76(11):1064–71

Preoperative detection of a highly malignant type of early gastric carcinoma by cytophotometric DNA analysis. Kamegawa T, et al. **Jpn J Surg** 1986 May;16(3):169–74

Histopathological study on the prognosis of pT2 gastric cancer. Terabe K, et al. **Nagoya J Med Sci** 1986 Mar; 48(1–4):21–6

Leiomyoblastoma of the gastric wall. Breederveld RS, et al. **Neth J Surg** 1986 Feb;38(1):20–2

Unusual presentation of a giant leiomyoblastoma of the stomach. Nanni G, et al. **NY State J Med** 1986 Jun; 86(6):316–8

Gastric non-Hodgkin's lymphoma after successful treatment of Hodgkin's disease. Fridani S, et al. **Oncology** 1986; 43(2):107–9

Multifocal early gastric cancer: morphology and histogenesis. Bearzi I, et al. **Pathol Res Pract** 1986 May;181(2):144–7

DNA content of diffusely infiltrative carcinomas in the stomach. Hattori T, et al. **Pathol Res Pract** 1985 Dec; 180(6):615–8

Gastric liposarcoma. A case report. Laky D, et al. **Pathol Res Pract** 1986 Mar;181(1):112–7

Normal stomach wall and gastric cancer: evaluation with high-resolution operative US. Machi J, et al. **Radiology** 1986 Apr;159(1):85–7

Double gastric cancer [letter] Olsen PA, et al. **Rev Esp Enferm Apar Dig** 1985 Sep;68(3):284

Early gastric cancer viewed from its growth patterns. Inokuchi K. **Surg Annu** 1986;18:111–28

Synchronous multiple early gastric carcinoma: a study of 178 cases. Noguchi Y, et al. **World J Surg** 1985 Oct; 9(5):786–93

[Case of benign hemangiopericytoma of the stomach] Bakhariev Z, et al. **Khirurgiia (Sofiia)** 1986;39(1):46–8 **(Bul)**

[A case of multiple primary carcinomas of the small intestine combined with stomach carcinoma] Vasilev S, et al. **Khirurgiia (Sofiia)** 1986;39(2):66–8 **(Bul)**

[Comparison of in vitro assays for the cytotoxic effect of anticancer drugs] Li XT, et al. **Chung Hua Chung Liu Tsa Chih** 1986 May;8(3):184–6 (Eng. Abstr.) **(Chi)**

[Establishment of the human stomach poorly-differentiated adenocarcinoma (PdGC-81) cell line and its biological character] Lu JQ. **Chung Hua Chung Liu Tsa Chih** 1986 Jan;8(1):4–7 (Eng. Abstr.) **(Chi)**

[Glomus tumor of the stomach—a case report on a light and electron microscopic study] Shi HQ, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Jan;8(1):78–9 (Eng. Abstr.) **(Chi)**

[Microscopic derivative spectrum measurement of DNA in nuclei of cancer and precancer cells in carcinoma of gastric cardia] Wang FR. **Chung Hua Chung Liu Tsa Chih** 1985 Sep;7(5):335–8 (Eng. Abstr.) **(Chi)**

[Endocrine cells in gastric carcinoma] Yang SM. **Chung Hua Chung Liu Tsa Chih** 1986 Jan;8(1):14–5 (Eng. Abstr.) **(Chi)**

[Pathological appraisal of human gastric carcinoma cell line culture in vitro] Chen QS. **Chung-hua Ping Li Hsueh Tsa Chih** 1985 Sep;14(3):226–9 (Eng. Abstr.) **(Chi)**

[Mast cell reaction in the stroma of gastric carcinoma and its relationship to the patient's survival] Gan ZK. **Chung-hua Ping Li Hsueh Tsa Chih** 1985 Jun;14(2):114–7 (Eng. Abstr.) **(Chi)**

[Infiltrating macrophages in solid malignant human tumors: a preliminary observation on the distribution and the relation to infiltrating T-lymphocytes] Zhou XJ, et al. **Chung-hua Ping Li Hsueh Tsa Chih** 1985 Jun;14(2):105–7 (Eng. Abstr.) **(Chi)**

[Gastric adenomyoma: with report of 9 cases] Ling CH, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Jul;23(7):424–5, 446 (Eng. Abstr.) **(Chi)**

[The biological effects of sodium butyrate on cultured human stomach cancer cells and esophageal cancer cells] Wang DS, et al. **Shih Yen Sheng Wu Hsueh Pao** 1985 Jun; 18(2):189–201 (Eng. Abstr.) **(Chi)**

[Multiple gastric cancers in the resected stomachs] Wang CS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Aug;84(8):918–28 (Eng. Abstr.) **(Chi)**

[Fibro-inflammatory polyps of the stomach. Review of the literature apropos of 2 cases] Justrabo E, et al. **Ann Gastroenterol Hepatol (Paris)** 1985 Oct-Nov; 21(5):291–4 (Eng. Abstr.) **(Fre)**

[Uterine metastases of extragenital carcinomas] di Bonito L, et al. **Rev Fr Gynecol Obstet** 1985 Jan;80(1):21–4 (Eng. Abstr.) **(Fre)**

[Signet-ring-cell lymphoma. Light and electron microscopic study of gastric involvement] Irro F, et al. **Arch Geschwulstforsch** 1986;56(4):263–8 (Eng. Abstr.) **(Ger)**

[Early stomach cancer in our clinical sample] Eitner K, et al. **Dtsch Z Verdau Stoffwechselkr** 1985;45(4):141–8 (Eng. Abstr.) **(Ger)**

[Endoscopic and histologic findings in malignant non-Hodgkin lymphomas of the stomach] Irro F, et al. **Dtsch Z Verdau Stoffwechselkr** 1985;45(4):155–9 (Eng. Abstr.) **(Ger)**

[Sarcoidosis involvement and adenocarcinoma of the stomach] Koppe P, et al. **Dtsch Z Verdau Stoffwechselkr** 1985;45(6):261–8 (Eng. Abstr.) **(Ger)**

[Histoautoradiographic studies of Billroth I-operated rat stomachs in relation to the postoperative interval. I. Proliferation kinetics in the area of the gastroenterostomy] Meyer J, et al. **Langenbecks Arch Chir** 1985;365(3):179–91 (Eng. Abstr.) **(Ger)**

[Histoautoradiographic studies of Billroth I-operated rat stomachs in relation to the postoperative interval. II. Histologic changes in the area of the anastomosis and its proliferation-kinetic behavior] Meyer J, et al. **Langenbecks Arch Chir** 1985;365(3):193–203 (Eng. Abstr.) **(Ger)**

[Adenomyoma of the stomach (pancreatic heterotopia)—case report and review of the literature] Barnert J, et al. **Leber Magen Darm** 1985 Jul;15(4):152–6 (Eng. Abstr.) **(Ger)**

[Mucoepidermoid carcinoma of the stomach] Cremer H, et al. **Leber Magen Darm** 1985 Jul;15(4):148–51 (Eng. Abstr.) **(Ger)**

[Precancerous conditions in the digestive tract: true risk or paper tiger? The stomach] Riemann JF. **Leber Magen Darm** 1986 May;16(3):146–50 **(Ger)**

[Ulceration of large leiomyoma of the stomach] Schaube H, et al. **Leber Magen Darm** 1985 Jul;15(4):157–9 (Eng. Abstr.) **(Ger)**

[Malignant fibrous histiocytoma of the stomach. A case report with a review of the literature] Radner H, et al. **Pathologe** 1985 Nov;6(6):313–8 (27 ref.) **(Ger)**

[Gastric dysplasias and their clinical significance with reference to atypical forms] Ihlow S. **Z Arztl Fortbild (Jena)** 1985;79(11):467–70 **(Ger)**

[Rare stomach tumor—cystic leiomyoma in childhood] Gysler R, et al. **Z Kinderchir** 1986 Jun;41(3):176–7 (Eng. Abstr.) **(Ger)**

[Clinical course and therapy of primary gastrointestinal lymphomas] Patakfalvi A, et al. **Orv Hetil** 1986 Aug 3; 127(31):1885–9 (Eng. Abstr.) **(Hun)**

[Endometrial metastasis of extragenital neoplasms] Merlo D, et al. **Ann Ostet Ginecol Med Perinat** 1985 Mar-Apr; 106(2):80–6 (Eng. Abstr.) **(Ita)**

[A rare example of a neoplastic polyp of the stomach: tubulo-villous adenoma] Motta GB, et al. **Minerva Chir** 1986 Jan 31;41(1–2):61–6 (Eng. Abstr.) **(Ita)**

[Leiomyoma of the stomach. Our cases] Voghera P, et al. **Minerva Chir** 1986 Jan 31;41(1–2):57–60 (Eng. Abstr.) **(Ita)**

[Eosinophilic granuloma of the stomach associated with polyarthritis] Nussinson E, et al. **Minerva Med** 1986 Feb 18;77(5–6):187–90 (Eng. Abstr.) **(Ita)**

[Benign nerve sheath tumor of the stomach. A histopathologic and immunohistochemical analysis of 18 cases] Kido H. **Fukuoka Igaku Zasshi** 1986 May; 77(5):253–63 (Eng. Abstr.) **(Jpn)**

[Structural analysis of Borrmann type 4 of gastric scirrhous carcinoma in terms of tumor cell aggregation patterns] Kurashige S. **Fukuoka Igaku Zasshi** 1985 Jun;76(6):253–68 (Eng. Abstr.) **(Jpn)**

[Patterns of esophageal invasion in gastric carcinoma. Macroscopic and microscopic appearance] Yoshimura K. **Fukuoka Igaku Zasshi** 1985 Jun;76(6):269–82 (Eng. Abstr.) **(Jpn)**

[A case of coexisting primary malignant lymphoma and adenocarcinoma of the stomach] Fujii H, et al. **Gan No Rinsho** 1986 Apr;32(4):413–20 (Eng. Abstr.) **(Jpn)**

[A case of primary lymphoma of the stomach, diffuse lymphoplasmacytic type, with massive hematemesis] Kamino K, et al. **Gan No Rinsho** 1985 Nov;31(14):1831–8 (Eng. Abstr.) **(Jpn)**

[Two cases of carcinoid tumor of the stomach and a collective review of the Japanese literature] Kanda H, et al. **Gan No Rinsho** 1986 Jun;32(7):819–25 (Eng. Abstr.) **(Jpn)**

[A case of bilateral metastatic breast carcinoma from gastric carcinoma] Kasuga Y, et al. **Gan No Rinsho** 1986 Apr; 32(4):407–12 (Eng. Abstr.) **(Jpn)**

[Clinicopathological study of minute stomach cancer] Kitamura T, et al. **Gan No Rinsho** 1986 Aug;32(9):965–70 (Eng. Abstr.) **(Jpn)**

[A case of carcinoma of the esophagogastric junction with marked eosinophil infiltration] Kokufu I, et al. **Gan No Rinsho** 1986 Jan;32(1):85–8 (Eng. Abstr.) **(Jpn)**

[Clinicopathological study of minute cancer of the stomach] Kumagai K, et al. **Gan No Rinsho** 1985 Aug;31(10):1257–62 (Eng. Abstr.) **(Jpn)**

[A case of triple neoplasm with acute myelogenous leukemia, squamous cell carcinoma of the lung and adenocarcinoma of the stomach] Kunieda Y, et al. **Gan No Rinsho** 1985 Dec;31(15):1919–25 (Eng. Abstr.) **(Jpn)**

[Clinicopathological study of early simulating gastric cancer—comparison with true early cancer] Matsumura K, et al. **Gan No Rinsho** 1985 Nov;31(14):1797–801 (Eng. Abstr.) **(Jpn)**

[Subdural hematoma associated with dural carcinomatosis of gastric cancer and DIC] Nagaya T, et al. **Gan No Rinsho** 1986 Jul;32(8):923–6 (Eng. Abstr.) **(Jpn)**

[A clinicopathological study of five cases of adenosquamous carcinoma of the stomach] Namatame K, et al. **Gan No Rinsho** 1986 Feb;32(2):170–5 (Eng. Abstr.) (Jpn)

[Adenosquamous carcinoma of the stomach] Nishiwaki H, et al. **Gan No Rinsho** 1985 Nov;31(14):1802–4 (Eng. Abstr.) (Jpn)

[Multiple gastric carcinoma with a coexisting gastric carcinoid—report of a case] Noguchi T, et al. **Gan No Rinsho** 1985 Sep;31(11):1451–5 (Eng. Abstr.) (Jpn)

[The inhibitory effect of peptic ulceration on the growth of early gastric cancer] Okamura T, et al. **Gan No Rinsho** 1985 Oct;31(13):1687–91 (Eng. Abstr.) (Jpn)

[Residual gastric carcinoid complicated with multiple endocrine neoplasia and Cushing's syndrome—a case report] Sato H, et al. **Gan No Rinsho** 1986 Apr;32(4):421–5 (Eng. Abstr.) (Jpn)

[An autopsy case of triple cancer associated with superior vena cava syndrome] Sugiyama A, et al. **Gan No Rinsho** 1985 Aug;31(10):1347–52 (Eng. Abstr.) (Jpn)

[The metastatic patterns of gastric cancer from its histopathological characteristics in the primary lesion—particularly in relation to peritoneal dissemination and liver metastases] Takahashi Y, et al. **Gan No Rinsho** 1985 Nov;31(14):1792–6 (Eng. Abstr.) (Jpn)

[A case of coexistent multiple malignant lymphomas and early carcinoma of the stomach] Uchiyama H, et al. **Gan No Rinsho** 1985 Aug;31(10):1337–41 (Eng. Abstr.) (Jpn)

[The relationship between stomach cancer and intestinal metaplasia of the gastric mucosa and food intake] Yamakawa H. **Gan No Rinsho** 1986 May;32(6):681–91 (Eng. Abstr.) (Jpn)

[Initial changes in the development of gastric cancer] Yokoyama H, et al. **Gan No Rinsho** 1986 Mar;32(3):250–6 (Eng. Abstr.) (Jpn)

[Natural history of gastric carcinoma viewed from growth patterns of early carcinoma] Inokuchi K. **Gan To Kagaku Ryoho** 1986 Apr;13(4 Pt 2):1105–18 (Eng. Abstr.) (Jpn)

[In vitro chemosensitivity testing evaluated by intracellular ATP level: ATP assay] Maehara Y, et al. **Gan To Kagaku Ryoho** 1986 Jul;13(7):2342–5 (Eng. Abstr.) (Jpn)

[Antineoplastic agent sensitivity of primary and metastatic foci of nude mouse–transplantable human gastric cancer] Watanabe A, et al. **Gan To Kagaku Ryoho** 1986 Jan; 13(1):150–2 (Jpn)

[Double primary malignant neoplasm of renal cell carcinoma and stomach cancer: report of two cases] Funaki H, et al. **Hinyokika Kiyo** 1985 Sep;31(9):1629–34 (Eng. Abstr.) (Jpn)

[Immunohistological studies of the skin at the injection site of cases receiving the streptococcal agent OK–432] Hanaue H, et al. **Nippon Gan Chiryo Gakkai Shi** 1985 Dec 20; 20(10):2271–8 (Eng. Abstr.) (Jpn)

[Mechanism by which peritoneal disseminated metastasis develops in gastric cancer] Imada T, et al. **Nippon Geka Gakkai Zasshi** 1986 Jun;87(6):593–603 (Eng. Abstr.) (Jpn)

[Characterization of gastric carcinoma viewed from the primary cancer site] Omori Y. **Nippon Geka Gakkai Zasshi** 1985 Sep;86(9):990–2 (Eng. Abstr.) (Jpn)

[Mitotic activity of cancer cells and survival of gastric cancer patients] Tabuchi Y, et al. **Nippon Geka Gakkai Zasshi** 1986 Jan;87(1):44–8 (Eng. Abstr.) (Jpn)

[Study of the histogenesis and effect of vagotomy during gastric carcinogenesis by N–methyl–N'–nitro–N–nitrosoguanidine in rats—with special reference to atypical lesions] Takagi F. **Nippon Geka Gakkai Zasshi** 1986 May;87(5):518–30 (Eng. Abstr.) (Jpn)

[Chronology of recurrent gastric cancer] Takahashi Y, et al. **Nippon Geka Gakkai Zasshi** 1986 Jun;87(6):604–7 (Eng. Abstr.) (Jpn)

[The diagnosis of the depth of gastric cancer invasion by the ultrasonic method] Yasuda H. **Nippon Geka Gakkai Zasshi** 1986 Jun;87(6):608–25 (Eng. Abstr.) (Jpn)

[A case of bladder cancer associated with gastric leiomyosarcoma with a review of Japanese literature on genitourinary multiple malignant neoplasms composed of epithelial and non–epithelial origins] Yanagizawa R, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 May;77(5):827–33 (Eng. Abstr.) (Jpn)

[Growth appearance of cancer cells derived from human gastric carcinoma with special reference to morphological features in vitro] Kuki K, et al. **Nippon Ika Daigaku Zasshi** 1985 Aug;52(4):489–92 (Eng. Abstr.) (Jpn)

[A pathological study of multiple gastric cancers in the aged] Esaki Y, et al. **Nippon Ronen Igakkai Zasshi** 1986 Jan; 23(1):73–84 (Eng. Abstr.) (Jpn)

[Clinicopathological study on gastric cancer of the aged—with special reference to its progression] Yamashiro M, et al. **Nippon Ronen Igakkai Zasshi** 1985 Sep; 22(5):426–31 (Eng. Abstr.) (Jpn)

[Malignant transformation of a gastric hyperplastic polyp] Daibo M. **Nippon Shokakibyo Gakkai Zasshi** 1986 May; 83(5):939–50 (Eng. Abstr.) (Jpn)

[A study on the depth of cancerous invasion in the gastric wall by endoscopic ultrasonography] Nakamura T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Mar;83(3):625–34 (Eng. Abstr.) (Jpn)

[Pathohistological analysis of gastric carcinoma accompanied with peptic ulcer] Nishimaki T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Oct;82(10):2544–53 (Eng. Abstr.) (Jpn)

[Colloid carcinoma of gastrointestinal tract. I. Stomach] Yamagiwa H. **Rinsho Byori** 1985 Aug;33(8):924–8 (Jpn)

[Malignant lymphoma of the stomach and duodenum. Endoscopic findings] Ostborg J, et al. **Tidsskr Nor Laegeforen** 1986 May 30;106(15):1309–11 (Eng. Abstr.) (Nor)

[Epidemiologic and clinical characteristics of 2 main histopathologic forms of stomach cancer based on Lauren's classification ("intestinal" and "diffuse")] Wronkowski ZL. **Nowotwory** 1985 Apr–Jun;35(2):114–26 (Eng. Abstr.) (Pol)

[Cytological–histological correlations in stomach cancer] Czerniak B, et al. **Patol Pol** 1985 Jul–Sep;36(3):217–28 (Pol)

[Morphological and clinical evaluation of primary non–Hodgkin's lymphoma of the gastrointestinal system] Niezabitowski A, et al. **Patol Pol** 1985 Jan–Mar;36(1):58–70 (Eng. Abstr.) (Pol)

[Degree of development and the possibilities of surgical treatment of stomach cancer] Krasnodebski IW, et al. **Pol Tyg Lek** 1986 Mar 31;41(13):397–401 (Eng. Abstr.) (Pol)

[Gastric adenocarcinoma with choriocarcinomatous component. A case of autopsy with immunohistochemical study] Therezo AL, et al. **Arq Gastroenterol** 1985 Jul–Sep; 22(3):127–30 (Eng. Abstr.) (Por)

[Gastric leiomyoma] Diaconescu MR, et al. **Rev Med Chir Soc Med Nat Iasi** 1984 Jan–Mar;88(1):155–6 (Rum)

[Dysplasia and early stomach cancer] Serov VV, et al. **Arkh Patol** 1985;47(11):6–13 (Eng. Abstr.) (Rus)

[Cancer of the stomach in a child] Oleinik VS, et al. **Khirurgiia (Mosk)** 1985 Jul;(7):138–9 (Rus)

[Combined cholelithiasis and stomach carcinoid] Dudenko GI, et al. **Klin Khir** 1985;(9):61 (Rus)

[Morphological characteristics of gastric polyps] Frank GA, et al. **Klin Khir** 1986;(5):12–4 (Eng. Abstr.) (Rus)

[Stomach cancer manifested by metastases to the skin of the neck] Shirin DF, et al. **Klin Med (Mosk)** 1986 Feb; 64(2):144–6 (Rus)

[Cytologic characteristics of poorly differentiated adenocarcinomas, undifferentiated and rare forms of stomach cancer using gastric biopsy material] Arzumanian GA, et al. **Lab Delo** 1985;(9):536–40 (Eng. Abstr.) (Rus)

[Malignant lymphoma of the stomach in a 13–year–old boy] Cherednichenko AM, et al. **Pediatriia** 1985 Nov;(11):63 (Rus)

[Acute–phase proteins in the diagnosis of the extent of the pathological process in stomach cancer] Aleshkin VA, et al. **Sov Med** 1986;(2):25–9 (Eng. Abstr.) (Rus)

[Endoscopic diagnosis and surgery of early gastric and colonic cancer] Kornilov IuM, et al. **Sov Med** 1986;(6):11–5 (Eng. Abstr.) (Rus)

[Characteristics of the radiation pathomorphosis of stomach cancer using metronidazole as the radiosensitizer] Zagrebin VM, et al. **Vestn Akad Med Nauk SSSR** 1986;(5):31–5 (Eng. Abstr.) (Rus)

[Spread of tumor tissue and prognosis in stomach cancer] Lobanov SL, et al. **Vopr Onkol** 1985;31(11):30–2 (Eng. Abstr.) (Rus)

[Malignant glomus tumor of the stomach (1 case)] Rozenberg EE. **Vopr Onkol** 1986;32(5):100–2 (Rus)

[Malignant lymphoma of the stomach] Zavarský F, et al. **Bratisl Lek Listy** 1985 Sep;84(3):326–35 (Eng. Abstr.) (Slo)

[Gastric leiomyoblastoma in infancy. Report of a new case] Núñez Núñez R, et al. **An Esp Pediatr** 1986 Feb; 24(2):129–30 (Spa)

[Signet ring cell adenocarcinoma of the stomach in a 14–year–old patient] Velasco–Ariza J, et al. **Bol Med Hosp Infant Mex** 1985 Sep;42(9):571–4 (Eng. Abstr.) (Spa)

[Undifferentiated primary small cell carcinoma of the cardia (letter)] Guasch I, et al. **Med Clin (Barc)** 1985 Nov 16; 85(16):685 (Spa)

[Differential macroscopic characteristics of gastric adenomyoma] Borda F, et al. **Rev Esp Enferm Apar Dig** 1986 Jan;69(1):22–4 (Eng. Abstr.) (Spa)

[Early gastric cancer] Casado Martín F, et al. **Rev Esp Enferm Apar Dig** 1985 Nov;68(5):391–8 (Eng. Abstr.) (Spa)

[Gastric schwannomas. Apropos of 5 cases of which 3 were malignant] de Oliveira FJ, et al. **Rev Esp Enferm Apar Dig** 1986 Feb;69(2):124–8 (Eng. Abstr.) (Spa)

[Gastric precancer] Millán Núñez–Cortés J, et al. **Rev Esp Enferm Apar Dig** 1985 Jul;68(1):89–93 (Eng. Abstr.) (Spa)

[Granulosa cell tumor of the stomach: communication of a case, review of the literature and discussion of the histogenesis] Santos Spitale L. **Rev Esp Enferm Apar Dig** 1986 Jun;69(6):569–71 (Eng. Abstr.) (Spa)

[Malignant villous tumor of the stomach] Zaragosí Esparza A, et al. **Rev Esp Enferm Apar Dig** 1986 Apr;69(4):357–61 (Eng. Abstr.) (Spa)

[Gastric pseudolymphoma. Anatomo–clinical study of 4 cases] Smok G, et al. **Rev Med Chil** 1985 Apr;113(4):324–8 (Eng. Abstr.) (Spa)

[Cancer of the esophagus as a second primary neoplasm in a patient with gastric lymphoma (letter)] Guasch Jordán I, et al. **Sangre (Barc)** 1985;30(5):933–4 (Spa)

PHYSIOPATHOLOGY

Superoxide production of polymorphonuclear leukocytes in surgical patients with gastric cancer. Nakagoe T, et al. **Gastroenterol Jpn** 1986 Apr;21(2):112–21

Regulatory effects of gastrin and secretin on carcinomas of the stomach and colon. Tanaka J, et al. **Tohoku J Exp Med** 1986 Apr;148(4):459–60

[Anosmia or hyposmia after long–term oral administration of tegafur—improved anosmia] Majima H, et al. **Gan To Kagaku Ryoho** 1986 Jun;13(6):2128–33 (Eng. Abstr.) (Jpn)

[Use of cimetidine with histamine in 4 patients with inoperable neoplasms of the upper part of the digestive tract] Klimczak J. **Wiad Lek** 1985 Oct 15;38(20):1429–32 (Eng. Abstr.) (Pol)

[Correction of the volemic disorders and maintenance of the hemodynamics during surgery and the immediate postoperative period in patients with surgical diseases of the stomach and duodenum] Zavgorodnii LG, et al. **Klin Khir** 1985;(8):50–2 (Eng. Abstr.) (Rus)

[Changes in the hemodynamics and phase structure of the cardiac cycle in the early postoperative period in patients with lung, esophageal, stomach and rectal cancers] Starosel'skii IV. **Vopr Onkol** 1986;32(6):66–71 (Eng. Abstr.) (Rus)

[Effect of insulin hypoglycemia on the functional activity of the adrenal cortex in stomach cancer patients] Romanishvili IaN. **Vrach Delo** 1986 May;(5):8–11 (Eng. Abstr.) (Rus)

PREVENTION & CONTROL

Effects of dietary selenium compounds on benzo (a)–pyrene–induced forestomach tumours and whole–blood glutathione peroxidase activities in C3H mice. Bergman K, et al. **Anticancer Res** 1986 Jul–Aug;6(4):785–90

An evaluation of data items for the filing system of a gastric cancer screening project. Okada M, et al. **Med Inf (Lond)** 1986 Apr–Jun;11(2):177–83

Effects of allyl methyl trisulfide on glutathione S–transferase activity and BP–induced neoplasia in the mouse. Sparnins VL, et al. **Nutr Cancer** 1986;8(3):211–5

Cancer in the operated stomach. Premalignant lesions as an indication for remedial surgery. Langhans P, et al. **S Afr J Surg** 1986 Mar;24(1):9–14

[Value of uropepsinogen determination in the secondary prevention of stomach cancer] Legler E, et al. **Dtsch Z Verdau Stoffwechselkr** 1985;45(4):149–54 (Eng. Abstr.) (Ger)

[Prevention of occupational cancer in the asbestos cement industry (preliminary report)] Neuberger M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Jun; 181(1–2):81–6 (Eng. Abstr.) (Ger)

[Mass survey for gastric cancer] Fuchigami A. **Gan To Kagaku Ryoho** 1985 Dec;12(12):2258–64 (Eng. Abstr.) (Jpn)

[The Health and Medical Services Law for the elderly and early cancer detection] Nakahara T. **Gan To Kagaku Ryoho** 1985 Dec;12(12):2238–44 (Eng. Abstr.) (Jpn)

[A population survey on a mass screening program for gastric cancer. I. Population characteristics related to examination rates for the screening program] Akamatsu N, et al. **Sangyo Ika Daigaku Zasshi** 1986 Jun 1;8(2):177–83 (Eng. Abstr.) (Jpn)

[Effect of vinblastine on experimental stomach carcinogenesis] Gurkalo VK, et al. **Biull Eksp Biol Med** 1986 Jun;101(6):740–3 (Eng. Abstr.) (Rus)

[The gastrochamber as a method of mass endoscopic examination] Poddubnyi BK, et al. **Sov Med** 1986;(2):57–9 (Eng. Abstr.) (Rus)

[Role of modern fluorography in detecting cancer of the stomach during the conduct of mass screening of the population] Portnoi LM, et al. **Vestn Rentgenol Radiol** 1986 Jan–Feb;(1):65–9 (Eng. Abstr.) (Rus)

[Dosimetric basis for the use of gastrofluorography in mass screening] Portnoi LM, et al. **Vestn Rentgenol Radiol** 1985 Jul–Aug;(4):6–9 (Eng. Abstr.) (Rus)

[Results of the dynamic endoscopic examination of chronic gastritis patients] Preobrazhenskii VN, et al. **Voen Med Zh** 1986 May;(5):51–2 (Rus)

PSYCHOLOGY

Comparative psychological disturbance in patients with pancreatic and gastric cancer. Holland JC, et al. **Am J Psychiatry** 1986 Aug;143(8):982–6

RADIOGRAPHY

Preoperative computed tomography for evaluation of tumour

growth in patients with gastric cancer. Vallgren S, et al. **Acta Chir Scand** 1985;151(6):571–3

Radiologic manifestations of early gastric lymphoma. Sato T, et al. **AJR** 1986 Mar;146(3):513–7

Radiographic appearance of the esophagus and stomach after laser treatment of obstructing carcinoma. Wolf EL, et al. **AJR** 1986 Mar;146(3):519–22

Evaluation of response to preoperative chemotherapy in esophageal and gastric cardia cancer using biphasic esophagrams and surgical–pathologic correlation. Agha FP, et al. **Am J Clin Oncol** 1986 Jun;9(3):227–32

Calcified gastric cancer: report of a case and review of literature. Rotondo A, et al. **Br J Radiol** 1986 Apr; 59(700):405–7

Calcified mucinous adenocarcinoma of the stomach—the CT appearances. Libson E, et al. **Comput Radiol** 1985 Jul–Aug; 9(4):255–8

Primary CT diagnosis of gastrointestinal masses. Rousso I, et al. **Comput Radiol** 1985 Jul–Aug;9(4):259–63

Gastric concretion forming around a suture nidus and mimicking a gastric polyp on radiographs. Rex DK, et al. **Endoscopy** 1985 Sep;17(5):196–7

Gastric involvement by omental cakes: radiographic findings. Rubesin SE, et al. **Gastrointest Radiol** 1986;11(3):223–8

Gastric manifestations of autoimmune deficiency syndrome–related Kaposi's sarcoma on computed tomography. Leibman AJ, et al. **J Comput Tomogr** 1986 Jan;10(1):85–8

Exogastric leiomyoblastoma: a rare gastric neoplasm mimicking left hepatic mass on computed tomography. Stanley JH, et al. **J Comput Tomogr** 1986 Apr;10(2):187–90

Computed tomography in gastric carcinoma: thickness of gastric wall and infiltration to serosa surface. Hada M, et al. **Radiat Med** 1984 Jan–Mar;2(1):27–30

[Preoperative evaluation of the resectability of carcinoma of the gastric cardia—triple contrast radiography of the gastric cardia versus operative findings] Zhang GC, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Feb;24(2):104–5, 126 (Eng. Abstr.) **(Chi)**

[Gastric polyposis] Rogister G, et al. **Rev Med Liege** 1985 Oct 15;40(20):713–5 **(Fre)**

[Significance of stomach deformities in the diagnosis of peptic ulcer and carcinoma] Vlasov PV. **Radiol Diagn (Berl)** 1985; 26(5):689–96 (Eng. Abstr.) **(Ger)**

[Reactive lymphoreticular hyperplasia or pseudolymphoma of the stomach] Gallina F, et al. **Radiol Med (Torino)** 1984 Dec;70(12):949–53 (Eng. Abstr.) **(Ita)**

[Calcified gastric cancer: traditional study, CT and differential diagnosis] Vadalà G, et al. **Radiol Med (Torino)** 1986 Jan–Feb;72(1–2):61–4 **(Ita)**

[X-ray diagnosis of scirrhous carcinoma of the stomach] Doi H. **Gan To Kagaku Ryoho** 1986 Aug;13(8):2505–11 (Eng. Abstr.) **(Jpn)**

[Diagnostic value of angiography in differentiating the degree of the depressed type of gastric cancer] Azuma T, et al. **Nippon Geka Gakkai Zasshi** 1985 Jul;86(7):819–27 (Eng. Abstr.) **(Jpn)**

[Computed tomographic evaluation in the staging of gastric carcinoma] Saito Y, et al. **Rinsho Hoshasen** 1985 Jul; 30(7):749–54 (Eng. Abstr.) **(Jpn)**

[Various problems in the complex diagnosis of early stomach cancer] Vinner MG, et al. **Klin Med (Mosk)** 1986 Jun; 64(6):82–6 (Eng. Abstr.) **(Rus)**

[Roentgenological diagnosis of the initial forms of stomach cancer] Portnoĭ LM. **Sov Med** 1986;(3):105–7 **(Rus)**

[A method of stimulating gastric peristalsis] Iliasova EB, et al. **Vestn Rentgenol Radiol** 1986 Mar–Apr;(2):19–23 (Eng. Abstr.) **(Rus)**

[Current potentialities of the x-ray diagnosis of stomach cancer] Portnoĭ LM, et al. **Vestn Rentgenol Radiol** 1986 Mar–Apr;(2):9–15 (Eng. Abstr.) **(Rus)**

[Place of roentgenology in the diagnosis of stomach cancer] Portnoĭ LM. **Vestn Rentgenol Radiol** 1985 Sep–Oct;(5):75–8 (Eng. Abstr.) **(Rus)**

[Malignant lymphoma of the stomach] Petrova IS, et al. **Vrach Delo** 1985 Nov;(11):82–4 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Diagnosis and treatment of a carcinoid tumor using iodine-131 meta-iodobenzylguanidine. Hoefnagel CA, et al. **Clin Nucl Med** 1986 Mar;11(3):150–2

RADIOTHERAPY

Differential response to gamma radiation of human stomach cancer cells in vitro. Jenkins VK, et al. **Int J Radiat Biol** 1986 Aug;50(2):269–78

Adjuvant irradiation of gastrointestinal malignancies: impact on local control and tumor cure. Tepper JE. **Int J Radiat Oncol Biol Phys** 1986 Apr;12(4):667–71 (22 ref.)

Intracavitary irradiation in palliation of carcinoma of oesophagus and cardia. Rowland CG, et al. **Lancet** 1985 Nov 2;2(8462):981–3

[Endocavitary radiotherapy in an after-loading technic in malignant stenoses of the upper gastrointestinal tract and bile ducts] Bader M, et al. **Leber Magen Darm** 1985 Nov; 15(6):247–55 (Eng. Abstr.) **(Ger)**

[Postradiogenic effect in liver tissue of patients with stomach cancer after radiosensitization with metronidazole] Djakova AM, et al. **Radiobiol Radiother (Berl)** 1985; 26(3):343–50 (Eng. Abstr.) **(Ger)**

[Local effect of radiation therapy for adenocarcinoma of the cardia—histological analysis of the preoperatively irradiated cases] Morita K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1985 Jun 25; 45(6):855–61 (Eng. Abstr.) **(Jpn)**

SECONDARY

Endoscopic "salvage" cytology in neoplasms metastatic to the upper gastrointestinal tract. Caos A, et al. **Acta Cytol (Baltimore)** 1986 Jan–Feb;30(1):32–4

Hepatocellular carcinoma with metastatic gastric cancer simulating Borrmann type 2 and hyperlipidemia. Makino H, et al. **Acta Pathol Jpn** 1986 Apr;36(4):577–86

Thyroid lymphoma with gastrointestinal involvement: report of three cases. Stone CW, et al. **Am J Hematol** 1986 Apr; 21(4):357–65

Breast cancer metastases masquerading as primary gastric carcinoma. Walker Q, et al. **Aust NZ J Surg** 1986 May; 56(5):395–8

Haematemesis due to gastric involvement by metastatic ovarian carcinoma 30 years after removal of the primary tumour. Saunders NJ. **Br J Clin Pract** 1986 Jul;40(7):298–9

Esophageal carcinoma metastatic to the stomach. A clinicopathologic study of 35 cases. Saito T, et al. **Cancer** 1985 Nov 1;56(9):2235–41

Squamous cell metastases to the gastric cardia. Glick SN, et al. **Gastrointest Radiol** 1985;10(4):339–44

Gastric cardia metastasis in esophageal carcinoma. Glick SN, et al. **Radiology** 1986 Sep;160(3):627–30

[Linitis plastica of the colon and stomach following breast cancer (letter)] Garret M, et al. **Gastroenterol Clin Biol** 1986 Mar;10(3):276–7 **(Fre)**

[Gastric metastases of soft tissue leiomyosarcoma. Endoscopic diagnosis (letter)] Seitz JF, et al. **Gastroenterol Clin Biol** 1985 Nov;9(11):845–6 **(Fre)**

[Seminoma metastasis in the stomach] Sipos P, et al. **Orv Hetil** 1985 Sep 29;126(39):2409–10 (Eng. Abstr.) **(Hun)**

[Gastric metastasis of melanoma (report of a clinical case)] Montresor E, et al. **Chir Ital** 1986 Apr;38(2):170–5 (Eng. Abstr.) **(Ita)**

[Retrograde metastasis of hepatocellular carcinoma with an interesting lesion of the stomach—a case report] Nakajima K, et al. **Gan No Rinsho** 1986 Feb;32(2):203–8 (Eng. Abstr.) **(Jpn)**

[A case of superficial esophageal cancer with metastasis to the gastric wall] Yoshizumi Y, et al. **Gan No Rinsho** 1985 Aug;31(10):1327–31 (Eng. Abstr.) **(Jpn)**

[A case of gastric perforation due to invasive liver cell carcinoma to the stomach] Yo T, et al. **Nippon Geka Gakkai Zasshi** 1986 Aug;87(8):916–20 (Eng. Abstr.) **(Jpn)**

[A case of metastatic malignant melanoma of the stomach diagnosed by endoscopy] Pokora J, et al. **Wiad Lek** 1986 Feb 15;39(4):265–8 (Eng. Abstr.) **(Pol)**

SECRETION

Release of serotonin from human carcinoid tumor cells in vitro and grown in the anterior eye chamber of the rat. Nilsson O, et al. **Cancer** 1986 Aug 1;58(3):676–84

SURGERY

Follow-up of 102 patients operated on for gastrointestinal carcinoid. Andåker L, et al. **Acta Chir Scand** 1985; 151(5):469–73

Pancreatic resection additional to gastrectomy for gastric cancer. Effect on postoperative morbidity. Lundell L, et al. **Acta Chir Scand** 1986 Feb;152:145–9

Liposarcoma of the stomach. A case report. Shokouh-Amiri MH, et al. **Acta Chir Scand** 1986 May;152:389–91

Gastric cancer. Factors influencing longterm survival and postoperative mortality. Sjöstedt S, et al. **Acta Chir Scand [Suppl]** 1986;530:25–9

Percutaneous gastrostomy: applications in gastric carcinoma and gastroplasty stoma dilatation. Wills JS. **AJR** 1986 Oct; 147(4):826–7

Palliation of gastric carcinoma with total gastrectomy and esophagojejunostomy. Bland KI. **Am J Surg** 1986 Feb; 151(2):246–8

Heterotopic pancreas. Review of a 26 year experience. Lai EC, et al. **Am J Surg** 1986 Jun;151(6):697–700

Total gastrectomy in the treatment of adenocarcinoma of the cardia. Review of the results in 73 resected patients. Paolini A, et al. **Am J Surg** 1986 Feb;151(2):238–43

Total gastrectomy with esophagojejunostomy. Analysis of 100 consecutive patients. Saario I, et al. **Am J Surg** 1986 Feb;151(2):244–6

Early gastric cancer. 21-year experience. Bringaze WL 3d, et al. **Ann Surg** 1986 Aug;204(2):103–7

Gastrectomy for gastric cancer: definitions and objectives [editorial] Cuschieri A. **Br J Surg** 1986 Jul;73(7):513–4

Subtotal versus total gastrectomy for cancer of the lower two-thirds of the stomach: a new approach to an old problem. Gennari L, et al. **Br J Surg** 1986 Jul;73(7):534–8

Overview of the current management of carcinoma of the esophagus and cardia. Ellis FH Jr, et al. **Can J Surg** 1985 Nov;28(6):493–6

Gastric carcinoma: 30-year review. Moore JR. **Can J Surg** 1986 Jan;29(1):25–8

Laser photocoagulation in the palliative treatment of upper digestive tract tumors. Mathus-Vliegen EM, et al. **Cancer** 1986 Jan 15;57(2):396–9

Esophagogastroplasty and its radiological approach. Gattoni F, et al. **Diagn Imag Clin Med** 1985;54(5):251–6

Treatment of benign gastrointestinal tumors with the neodymium:YAG laser. Sander R, et al. **Endoscopy** 1986 Mar;18 Suppl 1:57–9

Laser therapy of early gastric carcinoma. Takemoto T. **Endoscopy** 1986 Mar;18 Suppl 1:32–6

Surgical management of advanced gastric carcinoma in Zaria, Nigeria. Mabogunje OA, et al. **Eur J Surg Oncol** 1985 Dec; 11(4):361–4

Endoscopic removal of a granular cell tumor of the stomach [letter] Shah AN, et al. **Gastrointest Endosc** 1986 Feb; 32(1):54

Gastric cancer: a review of 400 consecutive cases. Battezzati M, et al. **Int Surg** 1986 Jan–Mar;71(1):27–31

Lack of body iron after total gastrectomy for adenocarcinoma of the stomach: a serum ferritin follow-up. Esko H. **Int Surg** 1985 Oct–Dec;70(4):319–22

Nutritional effects of total gastrectomy. A prospective randomized study of Roux-en-Y vs Longmire-Mouchet reconstruction. Basso N, et al. **Ital J Surg Sci** 1985; 15(4):335–40

Palliation of patients with carcinoma of the lower esophagus and cardia: the question of quality of life. Welvaart K, et al. **J Surg Oncol** 1986 Aug;32(4):197–9

Adenocarcinoma of the distal esophagus and gastric cardia. Comparison of results of transhiatal esophagectomy and thoracoabdominal esophagogastrectomy. Goldfaden D, et al. **J Thorac Cardiovasc Surg** 1986 Feb;91(2):242–7

Carcinoma of distal esophagus and gastric cardia [letter] Shahian DM, et al. **J Thorac Cardiovasc Surg** 1986 Aug; 92(2):313–4

Treatment of esophageal anastomotic leakages after cancer resection. The role of total parenteral nutrition. Riboli EB, et al. **JPEN J Parenter Enteral Nutr** 1986 Jan–Feb; 10(1):82–5

Blunt esophageal resection for esophagocardial cancer: blunt dissection and retrosternal esophagojejunostomy using the EEA stapler. Hattori T, et al. **Jpn J Surg** 1986 Mar; 16(2):144–7

Clinical studies on the transabdominal resection of esophagocardial cancer and cervical anastomosis using bypass methods. Analysis of data on 76 patients. Hattori T, et al. **Jpn J Surg** 1986 Mar;16(2):90–7

Bone disorder following partial and total gastrectomy with reference to bone mineral content. Nishimura O, et al. **Jpn J Surg** 1986 Mar;16(2):98–105

Serum fatty acid concentrations in patients on postoperative parenteral nutrition with and without fat. Okuno M, et al. **Jpn J Surg** 1986 Mar;16(2):118–25

Is total gastrectomy still acceptable in the treatment of the Zollinger–Ellison syndrome? Brennan MF, et al. **Langenbecks Arch Chir** 1986;367(3):215–21

Current techniques for the surgical management of malignant lesions of the thoracic esophagus and cardia. Payne WS, et al. **Mayo Clin Proc** 1986 Jul;61(7):564–72

An original method for isoantiperistaltic jejunogastroplastic operation without intestinal inserts in distal subtotal resection of the stomach. Polyakov MA, et al. **Neoplasma** 1985;32(6):723–8

Reconstruction of the gastrointestinal tract after total gastrectomy by interposition of iso- and anti-peristaltic jejunal loops. Bilik R, et al. **Panminerva Med** 1985 Oct–Dec;27(4):209–12

Surgical considerations in gastric cancer. Wilson RE. **Semin Oncol** 1985 Sep;12(3 Suppl 4):63–8

Immunochemosurgery for gastric cancer. Kim JP. **Semin Surg Oncol** 1985;1(3):105–15

A multifactorial approach for the prognosis of patients with carcinoma of the stomach after curative resection. Bozzetti F, et al. **Surg Gynecol Obstet** 1986 Mar;162(3):229–34

Double circuit esophagojejunoduodenal plasty in reconstruction of the alimentary tract after total gastrectomy. Garofalo A, et al. **Surg Gynecol Obstet** 1985 Dec;161(6):581–4

Carcinoma of the hypopharynx, esophagus and cardia. Hennessy TP, et al. **Surg Gynecol Obstet** 1986 Mar; 162(3):243–7

Adenocarcinoma of the cardia: a 10-year regional review. Allum WH, et al. **World J Surg** 1986 Jun;10(3):462–7

Total gastrectomy: is the early postoperative morbidity and mortality influenced by the choice of surgical procedure? Hassler H, et al. **World J Surg** 1986 Feb;10(1):128–36

Long-term surgical results of carcinoma of the gastric remnant: a statistical analysis of 613 patients from 98 institutions. Kidokoro T, et al. **World J Surg** 1985 Dec; 9(6):966–71

Cancer of the gastric stump: analyses of 819 patients and comparison with other stomach cancer patients. Viste A, et al. **World J Surg** 1986 Jun;10(3):454–61

[One stage resection of esophageal cancer and pulmonary bulla—a report of three patients] Ma Q, et al. **Chung Hua Chung Liu Tsa Chih** 1986 May;8(3):231–2 (Eng. Abstr.) **(Chi)**

[Analysis of the causes of the patient's unresponsiveness to follow-up letters after resection of stomach cancer] Sun ZX, et al. **Chung Hua I Hsueh Tsa Chih** 1985 Jun; 65(6):362–3 **(Chi)**

[Anastomosis following resection of esophageal or cardial cancer] Ma CM, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Jul;23(7):419–20, 445 (Eng. Abstr.) **(Chi)**

[Clinical analysis of 34 cases surviving over 10 years after resection of carcinoma of the esophagus or cardia] Xu LT, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Jul;23(7):416–8, 445 (Eng. Abstr.) (Chi)

[Resection of esophageal and cardiac carcinoma by inversion stripping esophagectomy] Zhou GZ, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Jun;23(6):345–6, 381–2 (Eng. Abstr.) (Chi)

[An analysis of the treatment of gastric cancer by radical surgery (1971–1982)] Soudek K, et al. **Rozhl Chir** 1986 May; 65(5):326–33 (Eng. Abstr.) (Cze)

[Pseudolymphoma of the stomach] Boaman CH, et al. **Ned Tijdschr Geneeskd** 1985 Aug 3;129(31):1484–6 (Eng. Abstr.) (Dut)

[Is resection appropriate in patients with a cardia carcinoma with lymph node metastasis? (letter)] Joosten HJ. **Ned Tijdschr Geneeskd** 1986 May 3;130(18):843–4 (Dut)

[Is resection justified in patients with a cardia carcinoma and lymph gland metastasis?] van der Mijle H, et al. **Ned Tijdschr Geneeskd** 1986 Mar 29;130(13):578–81 (Eng. Abstr.) (Dut)

[Retrospective study of 225 gastric cancers seen in a university hospital surgical unit from 1968 to 1980] Berger F, et al. **Ann Chir** 1986 Feb;40(1):14–20 (Eng. Abstr.) (Fre)

[Esophagogastrectomy with intrathoracic anastomosis by the transdiaphragmatic abdominal approach] Manenti A. **Presse Med** 1986 Jan 25;15(3):117–8 (Eng. Abstr.) (Fre)

[General guidelines for surgery and pathology of the Japanese Research Society for Gastric Cancer] Müller G. **Chirurg** 1985 Aug;56(8):539–52 (Ger)

[Pouch and Roux-Y reconstruction following gastrectomy. A time-saving stomach replacement technic with the systematic use of staplers] Thiede A, et al. **Chirurg** 1985 Sep;56(9):599–604 (Ger)

[Leiomyosarcoma of the stomach with liver metastasis (letter)] Bähr R, et al. **Dtsch Med Wochenschr** 1986 Jun 27;111(26):1040 (Ger)

[A new possibility in treating stenosing tumors of the upper gastrointestinal tract] Semler P, et al. **Dtsch Med Wochenschr** 1985 Nov 8;110(45):1731–2 (Eng. Abstr.) (Ger)

[Personal experiences with endoscopic polypectomies of the gastrointestinal tract] Bátovský M, et al. **Dtsch Z Verdau Stoffwechselkr** 1986;46(1):1–7 (Eng. Abstr.) (Ger)

[The effect of surgical treatment methods on the prognosis of early stomach carcinoma] Raab M, et al. **Helv Chir Acta** 1985 Jun;52(2):237–40 (Eng. Abstr.) (Ger)

[Secondary pancreatic insufficiency following distal stomach resection] Büchler M, et al. **Langenbecks Arch Chir** 1985; 367(1):41–50 (Eng. Abstr.) (Ger)

[Where and when does surgery achieve cancer prevention? Precancerous conditions of the stomach] Häring R, et al. **Langenbecks Arch Chir** 1985;366:521–7 (Eng. Abstr.) (Ger)

[Significance of the nutritional status of surgical patients] Merkle NM, et al. **Langenbecks Arch Chir** 1985; 365(2):109–25 (Eng. Abstr.) (Ger)

[Reduced nutritional status of the surgical tumor patient—a risk factor for postoperative complications?] Merkle NM, et al. **Langenbecks Arch Chir** 1985;365(2):127–34 (Eng. Abstr.) (Ger)

[Prognosis of cardia cancer] Sasse W, et al. **Langenbecks Arch Chir** 1985;365(3):205–18 (Eng. Abstr.) (Ger)

[Problems of esophagojejunal anastomosis following gastrectomy] Schwab G, et al. **Langenbecks Arch Chir** 1985; 365(2):101–7 (Eng. Abstr.) (Ger)

[Roux-Y reconstruction following distal stomach resection using only staplers] Thiede A, et al. **Langenbecks Arch Chir** 1986;367(2):119–27 (Eng. Abstr.) (Ger)

[Endoscopic insertion of a modified Häring tube with a lip-valve in cancer of the cardia] Fehr HF. **Schweiz Rundsch Med Prax** 1985 Dec 17;74(51):1420–1 (Eng. Abstr.) (Ger)

[Determination of surgical status: stomach cancer] Siewert JR, et al. **Z Gastroenterol** 1985 Mar;23(3):100–6 (Eng. Abstr.) (Ger)

[Multiple stomach carcinoids in pernicious anemia] Harnoss BM, et al. **Zentralbl Chir** 1985;110(15):940–3 (Ger)

[Results of substitute stomach formation in total gastrectomy for stomach cancer (isoantiperistaltic jejunoplasty)] Klimenkov AA, et al. **Zentralbl Chir** 1985;110(17):1090–3 (Ger)

[Therapeutic status of stomach cancer in East Germany in 1976 from the surgical viewpoint. A statistical analysis of national and clinical results] Slisów W, et al. **Zentralbl Chir** 1985;110(22):1361–73 (Eng. Abstr.) (Ger)

[Nutritional status in stomach cancer—a criterion for evaluating operability?] Walter F, et al. **Zentralbl Chir** 1986; 111(9):536–42 (Eng. Abstr.) (Ger)

[Palliative surgical management of inoperable esophago-cardial tumors using an endoprosthesis] Csikós F, et al. **Orv Hetil** 1985 Jul 14;126(28):1713–21 (Eng. Abstr.) (Hun)

[Surgical therapy in myomatous tumors of the stomach] Picardi N, et al. **Ann Ital Chir** 1985;57(5):385–94 (Ita)

[Our experience in the use of "traction" endoprosthesis as a palliative treatment of cardial carcinoma] Abrescia F, et al. **Chir Ital** 1984 Dec;36(6):1007–13 (Eng. Abstr.) (Ita)

[A case of neurinoma of the stomach] Ciaccio B, et al. **Minerva Chir** 1986 Jun 30;41(11–12):971–5 (Eng. Abstr.) (Ita)

[Longmire's intervention in the treatment of adenocarcinoma of the cardias. Results in 41 patients] Fegiz G, et al. **Minerva Chir** 1985 Sep 30;40(18):1205–13 (Eng. Abstr.) (Ita)

[Manual suture or mechanical suture after total gastrectomy of neoplasms of the stomach] Foco A, et al. **Minerva Chir** 1986 Apr 30;41(8):639–40 (Eng. Abstr.) (Ita)

[Total gastrectomy or gastric resection in neoplasms of the stomach] Foco A, et al. **Minerva Chir** 1986 Apr 30; 41(8):613–6 (Eng. Abstr.) (Ita)

[Comparative evaluation of the results of the surgical therapy of cancer of the gastric stump and of primary carcinoma of the stomach] Lirici MM, et al. **Minerva Chir** 1985 Sep 30;40(18):1219–24 (Eng. Abstr.) (Ita)

[Early gastric cancer: total gastrectomy on principle or only by necessity] Tosi F, et al. **Minerva Chir** 1986 Jun 30; 41(11–12):957–64 (Eng. Abstr.) (Ita)

[Gastric endoscopic polypectomy. Critical review of 42 cases] Familiari L, et al. **Minerva Dietol Gastroenterol** 1986 Jan–Mar;32(1):19–21 (Eng. Abstr.) (Ita)

[Surgical treatment of early gastric carcinoma] Kito T, et al. **Gan No Rinsho** 1986 Mar;32(3):246–9 (Eng. Abstr.) (Jpn)

[Studies on cases of resection of cardiac carcinoma] Yamamoto Y, et al. **Gan No Rinsho** 1985 Aug;31(10):1281–6 (Eng. Abstr.) (Jpn)

[Surgical treatment of scirrhous carcinoma of the stomach] Iwanaga T, et al. **Gan To Kagaku Ryoho** 1986 Aug; 13(8):2512–9 (Eng. Abstr.) (Jpn)

[Surgical treatment of gastric cancer based on biological behavior] Kito T. **Gan To Kagaku Ryoho** 1986 Sep; 13(9):2699–707 (Eng. Abstr.) (Jpn)

[Endoscopic therapy of digestive cancer] Takemoto T. **Gan To Kagaku Ryoho** 1986 Apr;13(4 Pt 2):1119–25 (Eng. Abstr.) (Jpn)

[Studies on treatment of peritonitis carcinomatosa in gastric cancer by intraperitoneal administration of 198Au colloid] Saito T, et al. **Nippon Gan Chiryo Gakkai Shi** 1985 Oct 20;20(9):2080–6 (Eng. Abstr.) (Jpn)

[Studies on the surgical therapy of early gastric cancers] Furukawa H, et al. **Nippon Geka Gakkai Zasshi** 1985 Sep; 86(9):1079–81 (Eng. Abstr.) (Jpn)

[Acute noncalculous cholecystitis following gastrectomy for gastric cancer—study by ultrasonic examination] Ito T. **Nippon Geka Gakkai Zasshi** 1985 Oct;86(10):1434–43 (Eng. Abstr.) (Jpn)

[Surgical approach to abdominal aortic aneurysm with malignant alimentary tract tumor: report of three cases] Nakano H, et al. **Nippon Geka Gakkai Zasshi** 1986 Jul; 87(7):803–7 (Eng. Abstr.) (Jpn)

[Hormonal and functional changes and the quality of life in the late phase after gastric surgery for cancer] Nakaya S, et al. **Nippon Geka Gakkai Zasshi** 1985 Sep;86(9):1161–4 (Eng. Abstr.) (Jpn)

[Evaluation of splenectomy in total gastrectomy for gastric cancer] Tamada R, et al. **Nippon Geka Gakkai Zasshi** 1985 Sep;86(9):1124–7 (Eng. Abstr.) (Jpn)

[A case of surgical treatment of triple cancer] Urabe N, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Jun;33(6):933–7 (Eng. Abstr.) (Jpn)

[Cancer of the esophagus and cardia. Surgical treatment] Graadal O, et al. **Tidsskr Nor Laegeforen** 1986 Feb 20; 106(5):389–91 (Eng. Abstr.) (Nor)

[Surgical treatment of gastric cancer] Buşu I, et al. **Rev Chir [Chir]** 1985 Sep–Oct;34(5):357–62 (Eng. Abstr.) (Rum)

[Neoplasm of the superior gastric pole] Setlacec D, et al. **Rev Chir [Chir]** 1985 Jul–Aug;34(4):257–70 (Eng. Abstr.) (Rum)

[Effect of neurovegetative inhibition on immunologic indices of oncosurgical patients] Lian NV, et al. **Anesteziol Reanimatol** 1986 May–Jun;(3):27–29 (Eng. Abstr.) (Rus)

[Immediate results of gastrectomy] Bondar' GV, et al. **Khirurgiia (Mosk)** 1986 Jan;(1):35–8 (Eng. Abstr.) (Rus)

[Treatment of complicated stomach cancer in elderly patients] Efimov GA, et al. **Khirurgiia (Mosk)** 1986 Jan; (1):27–30 (Eng. Abstr.) (Rus)

[A method of mechanical compression opening of hollow organs] Kanshin NN, et al. **Khirurgiia (Mosk)** 1985 Dec; (12):105–7 (Rus)

[Complications after operations on the stomach conducted by the general surgical method and by laser scalpel] Koshelev VN, et al. **Khirurgiia (Mosk)** 1986 Jun;(6):101–5 (Rus)

[Combined treatment of cancer of the proximal segment of the stomach] Stoliarov VI, et al. **Khirurgiia (Mosk)** 1986 Jan;(1):30–3 (Eng. Abstr.) (Rus)

[Surgical tactics in small stomach cancer] Tsellikman EG. **Khirurgiia (Mosk)** 1986 Jan;(1):42–5 (Eng. Abstr.) (Rus)

[Treatment of gastric polyps] Udod VM, et al. **Khirurgiia (Mosk)** 1986 Apr;(4):43–6 (Eng. Abstr.) (Rus)

[Economical resection of the stomach in cancer] Uzlov VA. **Khirurgiia (Mosk)** 1986 Jan;(1):45–8 (Eng. Abstr.) (Rus)

[Methods of improving the results of gastrectomy] Vitebskii IaD, et al. **Khirurgiia (Mosk)** 1986 Jan;(1):39–41 (Eng. Abstr.) (Rus)

[Simultaneous operations on organs of the abdominal cavity] Zemlianoi AG, et al. **Khirurgiia (Mosk)** 1986 Mar;(3):22–6 (Eng. Abstr.) (Rus)

[Gastrectomy with esophago-duodenal anastomosis] Zmeul VK, et al. **Khirurgiia (Mosk)** 1986 Jan;(1):33–4 (Eng. Abstr.) (Rus)

[Diagnostic and prognostic value of determining serum gastrin level in the treatment of patients with gastric polyps] Bulianov VM, et al. **Klin Khir** 1986;(5):10–2 (Eng. Abstr.) (Rus)

[Diagnosis and results of the individualized treatment of recurrent cancer of the stomach] Chernyl VA, et al. **Klin Khir** 1986;(5):28–30 (Eng. Abstr.) (Rus)

[Remote results of endoscopic surgical treatment of polyps and benign tumors of the stomach and intestines] Kirillov MIu. **Klin Khir** 1986;(5):8–10 (Eng. Abstr.) (Rus)

[Effect of alvesin on the blood coagulation system in patients with stomach cancer] Krivitskii DI, et al. **Klin Khir** 1986; (3):34–6 (Eng. Abstr.) (Rus)

[Treatment of post-gastrectomy cancer of the stomach] Patiutko IuI, et al. **Klin Khir** 1986;(5):19–22 (Eng. Abstr.) (Rus)

[Nonspecific prevention of postoperative thrombosis of the deep veins of the lower extremities in oncologic patients] Tiutrin II, et al. **Klin Khir** 1986;(5):39–41 (Eng. Abstr.) (Rus)

[Peridural analgesia with morphine in oncologic patients] Pavlova ZV, et al. **Sov Med** 1986;(5):92–7 (Rus)

[Repeated surgery after exploratory laparotomies in oncological patients] Blokhin NN, et al. **Vestn Akad Med Nauk SSSR** 1985;(7):3–7 (Eng. Abstr.) (Rus)

[Changes in various indicators of nitrogen metabolism in cachectic oncological patients with dumping syndrome receiving parenteral feeding] Knyrov GG. **Vestn Akad Med Nauk SSSR** 1985;(7):16–9 (Eng. Abstr.) (Rus)

[Comparative evaluation of the effectiveness of different variants for treating gastric polyposis] Buianov VM, et al. **Vestn Khir** 1985 Dec;135(12):25–9 (Eng. Abstr.) (Rus)

[Endoscopic ambulatory electroexcision of gastric polyps] Chernomordikov VG, et al. **Vestn Khir** 1985 Oct; 135(10):102–5 (Eng. Abstr.) (Rus)

[Reflux-free jejunostomy] Poliakov MA. **Vestn Khir** 1985 Jul;135(7):114–6 (Rus)

[Gastropancreatoduodenal resection in stomach cancer] Riabtsev VG, et al. **Vestn Khir** 1986 May;136(5):66–7 (Rus)

[25-year experience with surgical treatment of stomach cancer] Saenko AI. **Vestn Khir** 1985 Aug;135(8):19–22 (Eng. Abstr.) (Rus)

[Indications for extensive lymphadenectomy in stomach cancer] Sigal MZ, et al. **Vestn Khir** 1985 Nov;135(11):34–8 (Eng. Abstr.) (Rus)

[Cholecysto- and cholangiography in the determination of the degree of surgical risk in patients with stomach cancer] Astapov BM, et al. **Vestn Rentgenol Radiol** 1985 Jul–Aug; (4):74–6 (Rus)

[Optimization of the surgical treatment of stomach cancer by the cryogenic method] Bozhenkov IuG, et al. **Vopr Onkol** 1986;32(2):85–7 (Rus)

[Dynamics of carcinoembryonic antigen in patients with stomach cancer during treatment with cryotherapy] Miasoedov DV, et al. **Vopr Onkol** 1986;32(5):43–6 (Eng. Abstr.) (Rus)

[Subtotal resection by Billroth-I and its place in the surgical treatment plan for stomach cancer] Protopopov AA, et al. **Vopr Onkol** 1986;32(1):95–8 (Eng. Abstr.) (Rus)

[Centralized treatment of patients with stomach cancer] Slizov V, et al. **Vopr Onkol** 1986;32(5):15–21 (Eng. Abstr.) (Rus)

[Late results of resection of stomach polyps] Tazhimuradov RT. **Vrach Delo** 1986 Jan;(1):76–9 (Eng. Abstr.) (Rus)

[Endoscopic removal of gastric polyps] Petrović M, et al. **Vojnosanit Pregl** 1986 Jan–Feb;43(1):30–3 (Scr)

[Spontaneous regression of generalized stomach cancer (35-year follow-up of a patient)] Zuffa M, et al. **Vsitr Lek** 1985 Oct;31(10):1017–9 (Eng. Abstr.) (Slo)

[Total gastrectomy for gastric cancer] Casado Martín F, et al. **Rev Esp Enferm Apar Dig** 1985 Oct;68(4):319–23 (Eng. Abstr.) (Spa)

[Surgical tactics in cancer of the cardia (editorial)] Narbona Arnau B. **Rev Esp Enferm Apar Dig** 1986 Jun;69(6):559–60 (Spa)

[Is the excision of peritoneal metastases of leiomyosarcoma justified? Comments on 2 cases] Sánchez Blanco JM, et al. **Rev Esp Enferm Apar Dig** 1985 Jul;68(1):84–8 (Eng. Abstr.) (Spa)

[Surgical treatment of cancer of the cardia] Tamames S, et al. **Rev Esp Enferm Apar Dig** 1986 Jun;69(6):552–8 (Eng. Abstr.) (Spa)

[Surgical treatment in cancer of the cardia] Suárez A, et al. **Rev Gastroenterol Mex** 1986 Apr–Jun;51(2):67–71 (Eng. Abstr.) (Spa)

THERAPY

Primary gastric lymphoma—the experience of a general hospital. Economopoulos T, et al. **Br J Cancer** 1985 Sep; 52(3):391–7

Gastric cancer. Lawrence W Jr. **CA** 1986 Jul–Aug; 36(4):216–36 (64 ref.)

Recent results of multimodal therapy of gastric lymphoma.

Shiu MH, et al. **Cancer** 1986 Oct 1;58(7):1389–99

Randomized controlled study of postoperative adjuvant immunochemotherapy with Nocardia rubra cell wall skeleton (N-CWS) and Tegafur for gastric carcinoma. Koyama S, et al. **Cancer Immunol Immunother** 1986; 22(2):148–54

Carcinoma of the esophagus and cardia: current methods of treatment. Ellis FH Jr. **Compr Ther** 1985 Sep;11(9):10–5

Phase I clinical trial of CO17–1A monoclonal antibody. Lobuglio AF, et al. **Hybridoma** 1986 Jul;5 Suppl 1:S117–23

Initial trial use of murine monoclonal antibodies as immunotherapeutic agents for gastrointestinal adenocarcinoma. Sears HF, et al. **Hybridoma** 1986 Jul;5 Suppl 1:S109–15

A pilot study to determine clinical tolerability of intensive combined modality therapy for locally unresectable gastric cancer. O'Connell MJ, et al. **Int J Radiat Oncol Biol Phys** 1985 Oct;11(10):1827–31

Combined 5-fluorouracil (5-FU) and radiation therapy following resection of locally advanced gastric carcinoma. Gez E, et al. **J Surg Oncol** 1986 Feb;31(2):139–42

An approach to the effect on tumors of acupuncture in combination with radiotherapy or chemotherapy. Xia YQ, et al. **J Tradit Chin Med** 1986 Mar;6(1):23–6

A case of advanced gastric cancer with long-term survival as the results of combined radiation therapy and chemotherapy. Tsukiyama I, et al. **Jpn J Clin Oncol** 1986 Jun;16(2):157–66

Effects of intraperitoneal administration of OK-432 for patients with advanced cancer. Toge T, et al. **Jpn J Surg** 1985 Jul;15(4):260–5

Advanced and locally unresectable gastric carcinoma: five years of survival with good quality of life. Case report. Lauria D, et al. **Mater Med Pol** 1985 Jul–Sep;17(3):192–4

Adjuvant and curative chemotherapy of the gastric cancer. Andrysek O, et al. **Neoplasma** 1985;32(4):499–506

Gastric cancer: overview of current therapies. Douglass HO Jr. **Semin Oncol** 1985 Sep;12(3 Suppl 4):57–62

Malignant tumors of the stomach. Hendricks JC. **Surg Clin North Am** 1986 Aug;66(4):683–93

[An analysis of the curative effect of 320 cases of gastric cancer treated with li wei hua jie decoction in combination with surgical intervention and chemotherapy] Pan MJ. **Chung Hsi I Chieh Ho Tsa Chih** 1986 May;6(5):268–70, 258 (Eng. Abstr.) **(Chi)**

[Hypertensive chemotherapy of advanced gastric cancer] Bai XW. **Chung Hua Chung Liu Tsa Chih** 1985 Sep;7(5):380–1 (Eng. Abstr.) **(Chi)**

[Guidelines for the diagnosis and treatment of tumors of the distal part of the esophagus and cardia] van der Reijden HJ, et al. **Ned Tijdschr Geneeskd** 1986 Jul 26;130(30):1354–8 **(Dut)**

[Endoscopic photodynamic diagnosis and therapy with the laser in esophageal, stomach and lung cancer] Kato H, et al. **Internist (Berlin)** 1985 Nov;26(11):675–87 **(Ger)**

[Endoprostheses in the palliation and improvement of the quality of life in patients with malignant esophageal, cardial and bile duct processes] Scheurer U. **Schweiz Rundsch Med Prax** 1986 Jul 1;75(27):827–31 (Eng. Abstr.) **(Ger)**

[Combined therapy of gastric cancer] Takahashi T. **Gan No Rinsho** 1985 Jul;31(9 Suppl):1096–102 (Eng. Abstr.) **(Jpn)**

[Influence of total parenteral nutrition (TPN) on nutritional incidences in patients with recurrent cancer] Yoshioka K, et al. **Gan No Rinsho** 1985 Sep;31(11):1422–6 (Eng. Abstr.) **(Jpn)**

[Studies on hyperthermia by the use of a thermosensitizing drug] Fujimoto S, et al. **Gan To Kagaku Ryoho** 1986 Jan; 13(1):60–4 (Eng. Abstr.) **(Jpn)**

[The influence of a biological response modifier on thoracic lymphocytes—a study involving clinical cases and animal experiments] Hanaue H, et al. **Gan To Kagaku Ryoho** 1986 Apr;13(4 Pt 2):1285–9 (Eng. Abstr.) **(Jpn)**

[Clinical application of local hyperthermia combined with antineoplastic agents] Ishiwata J, et al. **Gan To Kagaku Ryoho** 1985 Nov;12(11):2114–21 (Eng. Abstr.) **(Jpn)**

[Combined effect of interferons alpha, beta and gamma on tumor growth in vitro] Kimoto Y. **Gan To Kagaku Ryoho** 1986 Feb;13(2):302–7 (Eng. Abstr.) **(Jpn)**

[Antitumor effect of interferons with chemotherapeutic agents] Kimoto Y. **Gan To Kagaku Ryoho** 1986 Feb; 13(2):293–301 (Eng. Abstr.) **(Jpn)**

[Criteria for the determination of efficacy of cancer chemotherapy—internal and radiotherapy of stomach cancer] Kurihara M. **Gan To Kagaku Ryoho** 1986 Apr;13(4 Pt 1):1092–101 **(Jpn)**

[A study of the antineoplastic activity of K18] Nakatani K, et al. **Gan To Kagaku Ryoho** 1986 May;13(5):1985–91 (Eng. Abstr.) **(Jpn)**

[Secondary malignancies after gastrectomy for gastric cancer] Niimoto M, et al. **Gan To Kagaku Ryoho** 1986 Apr; 13(4 Pt 2):1475–83 (Eng. Abstr.) **(Jpn)**

[Treatment of gastric cancer based on the pathological and biophysiological aspects of cancer] Nishi M, et al. **Gan To Kagaku Ryoho** 1986 Feb;13(2):180–91 (Eng. Abstr.) **(Jpn)**

[Surgery and adjuvant therapy of gastric cancer] Tamada R. **Gan To Kagaku Ryoho** 1986 Apr;13(4 Pt 2):1555–63 (Eng. Abstr.) **(Jpn)**

[Continuous venous infusion of 5-fluorouracil (5-FU) under total parenteral nutrition (TPN) in advanced gastric cancer] Tane S, et al. **Gan To Kagaku Ryoho** 1985 Dec; 12(12):2322–6 (Eng. Abstr.) **(Jpn)**

[A randomized controlled trial of surgical adjuvant therapy with mitomycin C, 5-fluorouracil and OK-432 in patients with gastric cancer] Yamamura Y, et al. **Gan To Kagaku Ryoho** 1986 Jun;13(6):2134–40 (Eng. Abstr.) **(Jpn)**

[Postoperative nutritional assessment in gastric and colorectal cancer] Goseki N, et al. **Nippon Geka Gakkai Zasshi** 1986 Aug;87(8):853–8 (Eng. Abstr.) **(Jpn)**

[Recent development and trends in adjuvant chemotherapy in the surgical field] Hattori T. **Nippon Geka Gakkai Zasshi** 1986 Apr;87(4):359–64 (39 ref.) **(Jpn)**

[Clinical study of clonogenic assays—with reference to adjuvant cancer chemotherapy after operation] Kubota T, et al. **Nippon Geka Gakkai Zasshi** 1986 Feb;87(2):154–61 (Eng. Abstr.) **(Jpn)**

[A case of adult respiratory distress syndrome (ARDS) induced by radio-chemotherapy (RAFP therapy) of brain metastasis of stomach cancer] Shingai J, et al. **No Shinkei Geka** 1986 Apr;14(5):701–5 (Eng. Abstr.) **(Jpn)**

[Primary malignant lymphoma of the digestive system] Nakajima T, et al. **Rinsho Hoshasen** 1985 Oct;30(11 Suppl):1375–84 (43 ref.) **(Jpn)**

[A successful case of Burkitt's lymphoma treated with allogeneic bone marrow transplantation] Hiraiwa A, et al. **Rinsho Ketsueki** 1986 Apr;27(4):600–5 (Eng. Abstr.) **(Jpn)**

[Advances in the treatment of stomach cancer] Swierż J. **Wiad Lek** 1986 Jan 1;39(1):49–54 (Eng. Abstr.) **(Pol)**

[Roentgeno-endovascular methods of hemostasis in bleeding gastric cancer] Zaltsev VT, et al. **Klin Khir** 1986;(5):16–9 (Eng. Abstr.) **(Rus)**

[Use of metronidazole in the preoperative irradiation of stomach cancer patients] Berdov BA, et al. **Med Radiol (Mosk)** 1985 Sep;30(9):6–10 (Eng. Abstr.) **(Rus)**

[Enteral tube feeding in the complex treatment of cancer of the gastrointestinal tract] Oganesian RA. **Vestn Akad Med Nauk SSSR** 1985;(7):32–5 (Eng. Abstr.) **(Rus)**

[Effect of large doses of alvesin on the blood coagulation system in patients with stomach ulcer and gastric cancer] Paratsii ZZ. **Vrach Delo** 1985 Sep;(9):65–8 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Gastric leiomyosarcoma with massive myxoid degeneration. A histochemical and ultrastructural study. Haratake J, et al. **Acta Pathol Jpn** 1986 Mar;36(3):439–47

Gastrointestinal autonomic nerve (GAN) tumor. Ultrastructural evidence for a newly recognized entity. Walker P, et al. **Arch Pathol Lab Med** 1986 Apr; 110(4):309–16

Ultrastructural ultracytochemical investigation of human gastric carcinomas. Raikhlin NT, et al. **Histochemistry** 1986;84(4–6):594–9

Gut endocrine cells in rat stomach carcinoma induced by N-methyl-N'-nitro-N-nitrosoguanidine. Yasui W, et al. **J Cancer Res Clin Oncol** 1986;111(2):87–92

Amphicrine cells in the peritumoral gastric mucosa. Gavriliță L, et al. **Morphol Embryol (Bucur)** 1985 Oct–Dec; 31(4):275–8

[Scanning electron microscopic observations on gastric cancer] Li HR. **Chung Hua Chung Liu Tsa Chih** 1985 Jul; 7(4):266–7 (Eng. Abstr.) **(Chi)**

[Electron microscopy in gastric polyposis] Buianov VM, et al. **Sov Med** 1986;(2):104–8 **(Rus)**

VETERINARY

Gastric mast cell tumor in a cougar. Martin HD, et al. **J Am Vet Med Assoc** 1985 Dec 1;187(11):1258–60

STOMACH, RUMINANT

BLOOD SUPPLY

[Ultrastructure of the subepithelial capillaries and venules in the forestomach of sheep] Karmona Kh, et al. **Vet Med Nauki** 1986;23(3):42–51 (Eng. Abstr.) **(Bul)**

INNERVATION

Immunohistochemical study on the distribution of neuron-specific enolase-and peptide-containing nerves in the reticulorumen and the reticular groove of cattle. Kitamura N, et al. **J Comp Neurol** 1986 Jun 8;248(2):223–34

[Afferent nerve endings in the forestomach mucosa of sheep and goats] Schenk-Saber B, et al. **Z Mikrosk Anat Forsch** 1985;99(5):773–84 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Central and peripheral serotonergic control of forestomach motility in sheep. Sorraing JM, et al. **J Vet Pharmacol Ther** 1985 Sep;8(3):312–9

Influence of regimen (roughage vs. concentrates) on satiety and forestomach motility in sheep. Duranton A, et al. **Physiol Behav** 1985 Jul;35(1):105–8

STOMACH RUPTURE

CHEMICALLY INDUCED

Stomach rupture following ingestion of sodium bicarbonate. Brismar B, et al. **Acta Chir Scand [Suppl]** 1986;530:97–9

DIAGNOSIS

Spontaneous rupture of the stomach. Diehl WL, et al. **NJ Med** 1986 Jun;83(6):396–7

ETIOLOGY

Strangulated para-oesophageal hiatus hernia with gangrene and perforation of stomach. Brume J, et al. **Br J Clin Pract** 1986 Mar;40(3):127–8

Rupture of the stomach after hemorrhage from a gastric ulcer. O'Doherty DP, et al. **Gastroenterology** 1986 Jul; 91(1):212–3

Gastric rupture: a danger of postoperative oxygenation with a nasal catheter. Ballet T, et al. **Int Surg** 1985 Jul–Sep; 70(3):265–6

Rupture of the normal stomach after therapeutic oxygen administration. van der Loos TL, et al. **Intensive Care Med** 1986;12(1):52–3

[A case of rupture of the stomach in a premature twin infant] De Nisi G, et al. **Pediatr Med Chir** 1983 Sep–Oct;5(5):431–2 (Eng. Abstr.) **(Ita)**

[Neonatal gastric perforation. Description of a case] Ghisetti V, et al. **Pediatr Med Chir** 1986 Jan–Feb;8(1):125–7 (Eng. Abstr.) **(Ita)**

[Post-traumatic rupture of a communicating gastric duplication] Coppola V, et al. **Radiol Med (Torino)** 1986 Jul–Aug;72(7–8):589–92 **(Ita)**

[A case of gastric perforation due to invasive liver cell carcinoma to the stomach] Yo T, et al. **Nippon Geka Gakkai Zasshi** 1986 Aug;87(8):916–20 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

[Gastric rupture in newborns] Sawa H, et al. **Wiad Lek** 1986 Mar 15;39(6):404–7 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

[Incomplete gastric rupture in a newborn infant] Ohba S. **Rinsho Hoshasen** 1986 Mar;31(3):405–6 **(Jpn)**

VETERINARY

[Epidemic traumatic reticulitis] Kriele C. **Tijdschr Diergeneeskd** 1986 Aug 15;111(15–16):744 **(Dut)**

STOMACH ULCER

BLOOD

Postprandial changes in serum concentrations of gastrin-17, gastrin-34, and total gastrin in patients with duodenal or gastric ulcers and in normal subjects. Walker K, et al. **Clin Ther** 1985;7(6):704–16

Implication of lipid peroxides in gastric ulcer formation in indomethacin-treated rats. Puig-Parellada P, et al. **Int J Tissue React** 1985;7(4):329–31

[Chronological effect of histamine H2 receptor antagonist ranitidine as serum gastrin response in gastric ulcer patients] Yoshida Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jan;83(1):33–9 (Eng. Abstr.) **(Jpn)**

[Serum polypeptides in peptic ulcer patients] Malov IuS, et al. **Ter Arkh** 1986;58(2):17–20 (Eng. Abstr.) **(Rus)**

[Rheologic properties of the blood of peptic ulcer patients] Dudchenko MA, et al. **Vrach Delo** 1986 Jul;(7):73–4 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Interaction between prostacyclin and colchicine on the gastric mucosa of rat in different experimental ulcer models. Karácsony G, et al. **Acta Physiol Hung** 1986;68(1):45–9

Oxygen free radicals interact with indomethacin to cause gastrointestinal injury. Del Soldato P, et al. **Agents Actions** 1986 Mar;17(5–6):484–8

Role of the salivary glands in protecting the stomach against ethanol. Leitch GJ. **Alcohol Alcohol** 1985;20(3):305–11

Effect of nicotine and alcohol pretreatment on the gastric mucosal damage induced by aspirin, phenylbutazone, and reserpine in rats. Tariq M, et al. **Alcoholism (NY)** 1986 Mar–Apr;10(2):213–6

Severe gastroduodenal ulcerations complicating hepatic artery infusion chemotherapy for metastatic colon cancer. Shike M, et al. **Am J Gastroenterol** 1986 Mar;81(3):176–9

Perforated gastric ulcer in an asthmatic treated with theophylline and steroids. Case report and literature review. Guss C, et al. **Ann Allergy** 1986 Mar;56(3):237–40

Influence of pharmaceutical properties on gastric lesions induced in rats by AD-1590, a non-steroidal anti-inflammatory drug. Takahashi T, et al. **Chem Pharm Bull (Tokyo)** 1986 Jan;34(1):308–14

Ultrastructural effects of ulcerogens. Eastwood GL. **Dig Dis Sci** 1985 Nov;30(11 Suppl):95S–104S

An elevated type of gastric ulcer scar in patients treated with cimetidine. Ito S, et al. **Endoscopy** 1986 Jan;18(1):7–9

Verapamil worsens ethanol-induced gastric ulcers in rats. Koo MW, et al. **Eur J Pharmacol** 1986 Jan 29;120(3):355–8
Ulcer formation and cytoprotection by acetazolamide. Robert A, et al. **Eur J Pharmacol** 1985 Dec 3; 118(3):193–201
Gastric ulcer formation and cyclo-oxygenase inhibition in cat antrum follows parenteral administration of aspirin but not salicylate. Whittle BJ, et al. **Eur J Pharmacol** 1985 Oct 8;116(1–2):153–7
The effect of nicotine on ethanol-induced gastric ulcers in rats. Ogle CW, et al. **Experientia** 1985 Sep 15;41(9):1140–1
Gastric mucosal protection against ulcerogenic factors in the rat mediated by capsaicin-sensitive afferent neurons. Holzer P, et al. **Gastroenterology** 1986 Oct;91(4):975–81
Comparative effects of indomethacin and proglumetacin on 6-oxo-PGF1 alpha released ex vivo by rat gastric mucosa. Conti P, et al. **Int J Tissue React** 1986;8(1):31–4
Duodenogastric reflux and gastric damage from non-steroidal antiinflammatory drugs. Sivelli R, et al. **Int J Tissue React** 1986;8(1):61–6
Comparison of inhibitory effects of atropine, cimetidine, and atropine plus cimetidine on the indomethacin-provoked gastric mucosal erosions in rats. Tárnok F, et al. **Int J Tissue React** 1986;8(1):41–5
A study on the aetiology of reserpine ulceration and the antiulcer action of solcoseryl in rat stomach. Cho CH, et al. **J Pharm Pharmacol** 1985 Nov;37(11):823–5
Relations between gastric irritancy/ulcerogenicity and anti-oedemic activity of non-steroidal anti-inflammatory drugs [letter] Rainsford KD. **J Pharm Pharmacol** 1985 Sep; 37(9):678–9
The influence of native porcine gastric mucus gel on hydrogen ion diffusion: the effect of potentially ulcerogenic agents. Turner NC, et al. **J Pharm Pharmacol** 1985 Nov; 37(11):776–80
The influence of chronic or acute nicotine pretreatment on ethanol-induced gastric ulceration in the rat. Wong SH, et al. **J Pharm Pharmacol** 1986 Jul;38(7):537–40
Widespread gastric ulceration during auranofin therapy [letter] Benfield GF, et al. **J Rheumatol** 1986 Feb; 13(1):228–9
Role of gastric acid and bile acids in the pathogenesis of compound 48/80-induced gastric lesions in rats. Ohtsuki H, et al. **Jpn J Pharmacol** 1985 Jul;38(3):253–7
Potent ulcerogenic actions of platelet-activating factor on the stomach. Rosam AC, et al. **Nature** 1986 Jan 2–8; 319(6048):54–6
Intracerebroventricular injection of a TRH analogue, gamma-butyrolactone-gamma-carbonyl-L-histidyl-prolinamide, induces gastric lesions and gastric acid stimulation in rats. Maeda-Hagiwara M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Aug; 330(2):142–6
Protection by sucralfate against indomethacin induced gastric ulceration in the guinea pig. Maclaurin BP, et al. **Pathology** 1985 Jul;17(3):408–11
Evidence for a role of adrenals in the capsaicin-sensitive "gastric defence mechanism" in rats.Evangelista S, et al. **Proc Soc Exp Biol Med** 1986 Sep;182(4):568–9
Dose-dependent effects of linear and cyclic somatostatin on ethanol-induced gastric erosions: the role of mast cells and increased vascular permeability in the rat. Diel F, et al. **Regul Pept** 1986 Feb;13(3–4):235–43
Gastric ulceration as a complication of hepatic artery infusion chemotherapy. Bible KC, et al. **South Med J** 1986 Jun; 79(6):755–7
Treating arthritis with non-steroidal anti-inflammatory agents (NSAIDS) without damaging the stomach [letter] Roth SH. **Spine** 1986 Jan–Feb;11(1):103
[Prevention by metronidazole of gastric mucosal lesions induced by absolute alcohol in the rat] Soulé JC, et al. **Gastroenterol Clin Biol** 1985;9(12 Pt 2):111–3 **(Fre)**
[Acute ulcer of the stomach caused by the concurrent administration of the antipyretic-intended betamethasone and a non-steroid anti-inflamsatory drug] Patanè R, et al. **Pediatr Med Chir** 1985 Mar–Apr;7(2):315–7 (Eng. Abstr.) **(Ita)**
[NH3-induced gastric lesions; a new model of experimental ulcer] Murakami M. **Nippon Shokakibyo Gakkai Zasshi** 1986 Apr;83(4):860 **(Jpn)**

COMPLICATIONS

Gastrocolic fistula caused by benign gastric ulcer in the patient who has not had prior operation. Case reports and review of the literature. Frikker MJ, et al. **Am Surg** 1986 Aug;52(8):446–51
Arbaprostil in bleeding peptic ulcer [letter] Joseph Sister. **Br Med J [Clin Res]** 1985 Dec 7;291(6509):1648
Bleeding from peptic ulcers and use of non-steroidal anti-inflammatory drugs in the Romford area. O'Brien JD, et al. **Br Med J [Clin Res]** 1985 Dec 7;291(6509):1609–10
Gastric bleeding and/or (?) enteral feeding [editorial] Pingleton SK. **Chest** 1986 Jul;90(1):2–3
Location of peptic ulcers in relation to antral and fundal gastritis by chromoendoscopic follow-up examinations. Tatsuta M, et al. **Dig Dis Sci** 1986 Jan;31(1):7–11
Rupture of the stomach after hemorrhage from a gastric ulcer. O'Doherty DP, et al. **Gastroenterology** 1986 Jul; 91(1):212–3
Nature of the bleeding vessel in recurrently bleeding gastric ulcers. Swain CP, et al. **Gastroenterology** 1986 Mar; 90(3):595–608
The evolution of the double pylorus. Fayenz S. **Gastrointest Endosc** 1986 Feb;32(1):31–2
Antral mucosal bridge. Obrador A, et al. **Gastrointest Endosc** 1986 Jun;32(3):215–7
Late outcome of bleeding gastric ulcers. Smart HL, et al. **Gut** 1986 Aug;27(8):926–8
Dieulafoy's ulcer—a rare cause of upper gastrointestinal bleeding [letter] Singh K, et al. **Indian J Gastroenterol** 1986 Jan;5(1):64
Perforated duodenal and gastric ulcers in the Nigerian Savannah. Mabogunje CA. **Int Surg** 1985 Oct–Dec; 70(4):327–30
Gastrocolic fistula. Casey J, et al. **J Natl Med Assoc** 1986 Apr;78(4):330–2
Perforated peptic ulcer in North-East Scotland 1972–1981. Part 2: Definitive treatment or oversew? Valerio D, et al. **J R Coll Surg Edinb** 1985 Dec;30(6):364–8
Chronic gastric ulcers are not predisposed to tumor formation when exposed to a low dose of carcinogen. Siu KF, et al. **J Surg Res** 1986 Jul;41(1):58–64
Gastroenterocolic fistula complicating benign peptic ulcer. Krivisky BA, et al. **Mt Sinai J Med (NY)** 1986 Apr; 53(4):299–300
Quantitative radioisotope measurement of duodenogastric reflux in patients with ulcer or gastrectomized for ulcer. Hyödynmaa S, et al. **Nuklearmedizin** 1985 Jun;24(3):107–10
Pleural effusion and gastric ulcer [letter] Brandstetter RD. **NY State J Med** 1986 Mar;86(3):159
Pleural effusion due to communicating gastric ulcer. Brandstetter RD, et al. **NY State J Med** 1985 Dec; 85(12):706–7
Perforated peptic ulcer at the J.G. Strijdom Hospital. A retrospective study of 99 patients. Schein M, et al. **S Afr Med J** 1986 Jul 5;70(1):21–3
Symptoms in patients with peptic ulcer and hematemesis and/or melena related to the use of non-steroid anti-inflammatory drugs. Mellem H, et al. **Scand J Gastroenterol** 1985 Dec;20(10):1246–8
Duodenogastric reflux in patients with upper abdominal complaints or gastric ulcer with particular reference to reflux-associated gastritis. Niemelä S. **Scand J Gastroenterol [Suppl]** 1985;115:1–56
Confined perforation of a prepyloric ulcer into the duodenum forming a gastroduodenal fistula. Ramakrishnan T. **South Med J** 1986 Jul;79(7):887–9
[Surgical management in gastric hemorrhages of peptic origin] Momchilov M, et al. **Khirurgiia (Sofiia)** 1985; 38(4):25–8 (Eng. Abstr.) **(Bul)**
[The prognostic value of early endoscopy in peptic ulcers bleeding] Chang-Chien CS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Oct;84(10):1132–6 (Eng. Abstr.) **(Chi)**
[Splenic abscess caused by a penetrating gastric ulcer] Kristensen K, et al. **Ugeskr Laeger** 1985 Sep 2; 147(36):2835–6 (Eng. Abstr.) **(Dan)**
[Accumulation of risk factors before acute gastroduodenal hemorrhage: analgesic/antirheumatic drugs, alcohol and ulcer anamnesis] Eberle F, et al. **Z Gastroenterol** 1985 Mar; 23(3):107–14 (Eng. Abstr.) **(Ger)**
[Endoscopic injections around gastrointestinal hemorrhages in the stomach and duodenum] Thies E, et al. **Z Gastroenterol** 1985 Jan;23(1):6–11 (Eng. Abstr.) **(Ger)**
[Use of vasopressin in the treatment of acute hemorrhagic lesions of the stomach. Our experience] Ferraris R, et al. **Minerva Med** 1985 Nov 3;76(42):1975–82 (Eng. Abstr.) **(Ita)**
[The double pylorus. Comparison of 2 cases associated with benign ulcer and 1 case associated with ulcerated carcinoma] Soardi GA, et al. **Radiol Med (Torino)** 1984 Dec;70(12):998–1000 **(Ita)**
[Billroth II resection in acute gastroduodenal hemorrhage] Fjøsne HE, et al. **Tidsskr Nor Laegeforen** 1986 Mar 10; 106(7):565–7 (Eng. Abstr.) **(Nor)**
[Perforated peptic ulcer. A comparison of 2 different treatment strategies] Laugaland K, et al. **Tidsskr Nor Laegeforen** 1985 Nov 10;105(31):2196–8 (Eng. Abstr.) **(Nor)**
[Dieulafoy's ulcer as the cause of massive hemorrhage from a gastric stump] Okulczyk J, et al. **Pol Tyg Lek** 1986 Feb 10;41(6):185–6 (Eng. Abstr.) **(Pol)**
[Exacerbation of chronic ulcers of the stomach and duodenum as a cause of severe postoperative complications] Ciesielski L, et al. **Wiad Lek** 1985 Oct 1;38(19):1343–50 (Eng. Abstr.) **(Pol)**
[Clinical analysis of hemorrhages from the upper segment of the digestive tract in patients with gastric and duodenal ulcers] Czarnecki J, et al. **Wiad Lek** 1986 Feb 1; 39(3):166–70 (Eng. Abstr.) **(Pol)**
[Late results following primary gastrectomy in perforated ulcer. A mathematical interpretation] Tîrcoveanu E, et al. **Rev Med Chir Soc Med Nat Iasi** 1985 Jul–Sep;89(3):443–6 (Eng. Abstr.) **(Rum)**
[Perforated postoperative peptic ulcer (PPPU)] Tîrcoveanu E. **Rev Med Chir Soc Med Nat Iasi** 1984 Jul–Sep; 88(3):495–7 (Eng. Abstr.) **(Rum)**
[Giant gastric trichobezoar complicated by a perforated ulcer] Aranovskaia NA, et al. **Khirurgiia (Mosk)** 1985 Oct; (10):106–7 **(Rus)**
[Characteristics of emergency surgical intervention in hemorrhaging gastroduodenal ulcers] Bratus' VD, et al. **Khirurgiia (Mosk)** 1986 Apr;(4):37–40 (Eng. Abstr.) **(Rus)**
[Diagnosis and treatment of ulcerative gastroduodenal hemorrhage] Esperov BN, et al. **Khirurgiia (Mosk)** 1986 Apr;(4):27–9 (Eng. Abstr.) **(Rus)**
[Profuse hemorrhage from an ulcerated stomach carcinoid] Kliauzov VI. **Khirurgiia (Mosk)** 1985 Oct;(10):106 **(Rus)**
[Treatment of perforated gastroduodenal ulcers] Kutiakov MG, et al. **Khirurgiia (Mosk)** 1985 Oct;(10):10–2 (Eng. Abstr.) **(Rus)**
[Use of antimetabolites in treating callous perforating stomach ulcers] Orlovskaia LA, et al. **Khirurgiia (Mosk)** 1985 Oct;(10):56–8 (Eng. Abstr.) **(Rus)**
[Acute gastroduodenal ulcers and erosion complicated by hemorrhage] Pinskii SB, et al. **Khirurgiia (Mosk)** 1985 Oct; (10):13–7 (Eng. Abstr.) **(Rus)**
[Peptic ulcer complications in pyloroduodenal stenosis] Siddikov OS, et al. **Khirurgiia (Mosk)** 1985 Oct;(10):73–6 **(Rus)**
[Conservative treatment of perforated stomach ulcers] Smotrov NA. **Khirurgiia (Mosk)** 1985 Oct;(10):108 **(Rus)**
[Hidden perforation of a bleeding pyloroduodenal ulcer combined with a 2d ulcer perforating into the gallbladder] Budarin VN. **Klin Khir** 1985;(8):73 **(Rus)**
[Therapeutic tactics in gastroduodenal ulcer hemorrhages in middle-aged and elderly patients] Esperov BN, et al. **Klin Khir** 1986;(4):4–7 (Eng. Abstr.) **(Rus)**
[Characteristics of the treatment of gastric and duodenal ulcers perforating into the pancreas, gallbladder, extrahepatic bile ducts and liver] Galdukov LN, et al. **Klin Khir** 1985;(11):34–6 (Eng. Abstr.) **(Rus)**
[Rare combination of gastric peptic ulcer complications] Podoprigora AP, et al. **Klin Khir** 1985;(10):64 **(Rus)**
[Possibilities of moderate ganglioplegia and heparinization in the combined treatment of patients with acute gastroduodenal hemorrhages of peptic etiology] Ponkratov PA. **Klin Khir** 1985;(8):46–8 (Eng. Abstr.) **(Rus)**
[Peritonitis as a complication of the surgical treatment of gastric peptic ulcer] Rudenko AS. **Klin Khir** 1985;(8):59 **(Rus)**
[Endoscopic diagnosis of cardial insufficiency in patients with gastrointestinal hemorrhages of peptic etiology] Zaltsev VT, et al. **Klin Khir** 1985;(8):43–5 (Eng. Abstr.) **(Rus)**
[Comparative evaluation of surgical treatment methods in gastric and duodenal peptic ulcer complicated by perforation and hemorrhage] Zemskov VS, et al. **Klin Khir** 1985;(8):70–1 **(Rus)**
[Clinical course of perforated gastroduodenal ulcer in young patients] Dorofeev GI, et al. **Klin Med (Mosk)** 1986 Mar; 64(3):84–6 (Eng. Abstr.) **(Rus)**
[Spontaneous pneumopericardium as a complication of ulcer of the cardial part of the stomach] Kuzeev AI, et al. **Klin Med (Mosk)** 1985 Aug;63(8):144–5 **(Rus)**
[Status of the stomach and duodenum in the early period after ulcer perforation in young men] Lebedev VP. **Klin Med (Mosk)** 1986 Jan;64(1):96–9 (Eng. Abstr.) **(Rus)**
[Gastroduodenal ulcer in patients with pathology of the cardiovascular system] Filimonov RM, et al. **Sov Med** 1985; (5):116–7 **(Rus)**
[Thromboelastography in diseases of the stomach] Murashko VV, et al. **Sov Med** 1986;(5):82–5 **(Rus)**
[Disorders of hemostasis in peptic ulcer of the stomach and duodenum] Pavlovskiĭ DP. **Ter Arkh** 1986;58(2):20–3 (Eng. Abstr.) **(Rus)**
[Rupture of a parapharyngeal abscess into the mediastinum and pleural cavity simulating a perforated gastric ulcer] Abrosimov IP. **Vestn Khir** 1986 Jun;136(6):82 (Eng. Abstr.) **(Rus)**
[Perforated gastric and duodenal ulcers in patients over 60] Boltsov NI, et al. **Vestn Khir** 1985 Sep;135(9):115–8 **(Rus)**
[Emergency fibrogastroduodenoscopy in the diagnosis and treatment of peptic gastroduodenal hemorrhages in the middle-aged and elderly] Esperov BN, et al. **Vestn Khir** 1985 Dec;135(12):14–6 (Eng. Abstr.) **(Rus)**
[Errors and hazards in the diagnosis and treatment of acute gastrointestinal hemorrhages of peptic etiology] Gorbashko AI. **Vestn Khir** 1985 Sep;135(9):119–25 **(Rus)**
[2 cases of perforation of a stomach ulcer in children] Murzin IuV, et al. **Vestn Khir** 1985 Oct;135(10):99 **(Rus)**
[Treatment of profuse gastroduodenal hemorrhages in peptic ulcer and myocardial infarction] Pavlovskiĭ DP, et al. **Vestn Khir** 1985 Oct;135(10):27–30 (Eng. Abstr.) **(Rus)**
[Combined profuse peptic hemorrhage and gangrenous cholecystitis] Postolov PM, et al. **Vestn Khir** 1985 Dec; 135(12):63–4 **(Rus)**
[Function of the sympathetic-adrenal system in patients with complicated peptic ulcer] Zaltsev VT, et al. **Vestn Khir** 1986 Feb;136(2):28–31 (Eng. Abstr.) **(Rus)**
[The use of fibrogastroduodenoscopy in the diagnosis of perforated stomach and duodenal ulcer] Bugrimov VG, et al. **Voen Med Zh** 1986 Apr;(4):59 **(Rus)**
[Clinico-morphologic features of cancer of the stomach arising from a chronic ulcer] Deineka SV. **Vrach Delo** 1986 Jan;(1):67–70 (Eng. Abstr.) **(Rus)**
[Antrobulbar fistula? Double pylorus?] del Rey Sanz R, et al. **Rev Esp Enferm Apar Dig** 1985 Dec;68(6):535–8 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Recurrent ulceration in the postoperative stomach [letter] Ott DJ, et al. **J Clin Gastroenterol** 1986 Jun;8(3 Pt 1):317–8
Diagnosis of peptic ulcer in children: the past and present.

Tam PK, et al. **J Pediatr Surg** 1986 Jan;21(1):15–6
Asymptomatic gastric ulcer: a follow-up study in patients with previous gastric ulcer disease. Jorde R, et al. **Lancet** 1986 Jan 18;1(8473):119–21
[Follow-up diagnosis in peptic ulcer] Classen M. **Leber Magen Darm** 1986 Jan;16(1):8–10 **(Ger)**
[Clinical aspects of the indication for x-ray study of the stomach] Dieterich WR, et al. **Radiol Diagn (Berl)** 1986; 27(2):187–93 (Eng. Abstr.) **(Ger)**
[Juxtacardial gastric ulcer. Clinical and therapeutic aspects] Chifan M, et al. **Rev Med Chir Soc Med Nat Iasi** 1985 Jul–Sep;89(3):429–32 **(Rum)**
[Diagnosis and surgical treatment of ulcers in the cardial portion of the stomach] Kuliev ShB, et al. **Khirurgiia (Mosk)** 1986 Apr;(4):40–3 (Eng. Abstr.) **(Rus)**
[Gastric and duodenal peptic ulcer in children; the risk factors and treatment procedure] Belousov IuV, et al. **Pediatriia** 1986 Apr;(4):47–51 **(Rus)**
[Rheovasography and thermometry of the oral mucosa as an objective method for the prognosis of stomach and duodenal peptic ulcer] Pil'tial VI. **Stomatologiia (Mosk)** 1986 May–Jun;65(3):52–3 (Eng. Abstr.) **(Rus)**
[Prognosis of chronic stomach ulcer according to the results of gastrochromoscopic morphologic evaluation of the gastric mucosa] Pokrotniek Iula, et al. **Ter Arkh** 1986; 58(2):45–8 (Eng. Abstr.) **(Rus)**
[Diagnosis, clinical picture and treatment of peptic ulcer] Degtiareva II, et al. **Vrach Delo** 1986 Jul;(7):69–73 (Eng. Abstr.) **(Rus)**
[Clinico-morphological comparisons in gastric peptic ulcer] Valnshteln SG, et al. **Vrach Delo** 1986 Feb;(2):22–5 **(Rus)**

DIET THERAPY

Dietary fiber and peptic ulcer. A review. Rydning A. **J Oslo City Hosp** 1986 Jan;36(1):1–16
Dietary fiber and peptic ulcer. Rydning A, et al. **Scand J Gastroenterol** 1986 Jan;21(1):1–5 (50 ref.)
[Use of various children's formulas in the complex treatment of chronic gastroduodenitis and peptic ulcer] Voloshin AI, et al. **Ter Arkh** 1986;58(2):40–4 **(Rus)**

DRUG THERAPY

The effect of D-penicillamine in different experimental gastric ulcer models in the rat. Bálint GA, et al. **Acta Med Hung** 1985;42(3–4):175–7
Comparative clinical trial of enprostil and ranitidine in the treatment of gastric ulcer. Dammann HG, et al. **Am J Med** 1986 Aug 18;81(2A):80–4
Treatment of gastric ulcer with enprostil. Navert H. **Am J Med** 1986 Aug 18;81(2A):75–9
The relationship of cimetidine to 5-hydroxytryptamine tissue levels in stress ulceration in the rat. Pridjian AK, et al. **Am Surg** 1983 Dec;49(12):642–4
Acute gastric mucosal injury: pathogenesis and therapy. Holt KM, et al. **Annu Rev Med** 1986;37:107–24 (102 ref.)
Effects of 5-acetylspiro[benzofuran-2(3H),1'-cyclopropan]-3-one, a new anti-ulcer agent, on experimental acute and chronic ulcers. Inatomi N, et al. **Arzneimittelforschung** 1985; 35(10):1553–9
A double-blind controlled study to compare the efficacy of an antacid plus oxethazaine with that of an antacid alone in the treatment of pain due to gastric or duodenal ulceration. Zanni A, et al. **Curr Med Res Opin** 1986; 10(2):128–34
Healing of benign gastric ulcer. A placebo-controlled comparison of two dosage regimens of misoprostol, a synthetic analog of prostaglandin E1. Agrawal NM, et al. **Dig Dis Sci** 1985 Nov;30(11 Suppl):164S–170S
Symptomatic cimetidine treatment of duodenal and prepyloric ulcers. Gustavsson S, et al. **Dig Dis Sci** 1986 Jan;31(1):2–6
A multicenter international controlled comparison of two dosage regimens of misoprostol with cimetidine in treatment of gastric ulcer in outpatients. Rachmilewitz D, et al. **Dig Dis Sci** 1986 Feb;31(2 Suppl):75S–80S
Interim results of a multicenter international comparison of misoprostol and cimetidine in the treatment of out-patients with benign gastric ulcers. Shield MJ. **Dig Dis Sci** 1985 Nov;30(11 Suppl):178S–184S
Famotidine in the treatment of gastric and duodenal ulceration: overview of clinical experience. Bianchi Porro G. **Digestion** 1985;32 Suppl 1:62–9
Famotidine: nocturnal administration for gastric ulcer healing. Results of multicenter trials in Austria and Germany. Dammann HG, et al. **Digestion** 1985;32 Suppl 1:45–50
Famotidine (MK-208) in the treatment of gastric ulcer. Results of a multicenter double-blind controlled study. Paoluzi P, et al. **Digestion** 1985;32 Suppl 1:38–44
Ranitidine in the treatment of peptic ulceration in Kenyans. Juma FD. **East Afr Med J** 1985 Oct;62(10):752–4
Our experience with treatment of duodenal and gastric ulcer with ranitidine (Zantac-Glaxo). Yanev P, et al. **Folia Med (Plovdiv)** 1985;27(3):24–7
Mastic in treatment of benign gastric ulcers. Huwez FU, et al. **Gastroenterol Jpn** 1986 Jun;21(3):273–4
Healing of benign gastric ulcer with low-dose antacids and fiber diet. Rydning A, et al. **Gastroenterology** 1986 Jul; 91(1):56–61
Short term treatment of gastric ulcer: a comparison of sucralfate and cimetidine. Hallerbäck B, et al. **Gut** 1986 Jul;27(7):778–83
Comparison between ranitidine and ranitidine plus Caved-S in the treatment of gastric ulceration. Morgan AG, et al. **Gut** 1985 Dec;26(12):1377–9
A single night time dose of ranitidine in the acute treatment of gastric ulcer: a European multicentre trial. Ryan FP, et al. **Gut** 1986 Jul;27(7):784–8
Comparison of pirenzepine and carbenoxolone in the treatment of chronic gastric ulcer. A double-blind endoscopic trial. Bianchi Porro G, et al. **Hepatogastroenterology** 1985 Dec;32(6):293–5
Omeprazole heals duodenal, but not gastric ulcers more rapidly than ranitidine. Results of two German multicentre trials. Classen M, et al. **Hepatogastroenterology** 1985 Oct; 32(5):243–5
A double-blind controlled trial of ranitidine 300 mg nocte and ranitidine 150 mg b.i.d. in the short-term treatment of gastric ulcer. Barbara L, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Feb;24(2):104–7
Effect of domperidone on experimentally induced gastric ulcers in rats. Parmar NS, et al. **Int J Tissue React** 1986; 8(1):67–70
S.E.M. study II: Protective effect of ranitidine against gastric and duodenal lesions induced by non-steroidal anti-inflammatory drugs. Zoli G, et al. **Int J Tissue React** 1986;8(1):71–7
Comparison of misoprostol and cimetidine in the treatment of gastric ulcer. Fich A, et al. **Isr J Med Sci** 1985 Dec; 21(12):968–72
An experimental assessment of actions of cimetidine and tricyclic anti-depressants in peptic ulcer. Tripathi BM, et al. **J Assoc Physicians India** 1986 Feb;34(2):133–5
Evaluation of mastic, a crude drug obtained from Pistacia lentiscus for gastric and duodenal anti-ulcer activity. Al-Said MS, et al. **J Ethnopharmacol** 1986 Mar;15(3):271–8
Cetraxate and antacid in the treatment of gastric ulcer. A controlled clinical trial. Wilairatana S, et al. **J Med Assoc Thai** 1985 Jul;68(7):333–41
Marked healing-promoting action of cimetidine on acetic acid-induced ulcer in rats with a limited food-intaking-time. Ito M, et al. **Jpn J Pharmacol** 1986 Jun;41(2):260–2
Healing-promoting action of teprenone, a new antiulcer agent on acetic acid ulcer in rats. Ito M, et al. **Jpn J Pharmacol** 1985 Jul;38(3):287–93
The use and abuse of cimetidine in a gastroenterology clinic. Rodriguez de Bittner M, et al. **Md Med J** 1985 Apr; 34(4):359–61
Mucosal protective agents in the long-term management of gastric ulcer. Marks IN, et al. **Med J Aust** 1985 Feb 4;142 Spec No:S23–5
Cytoprotective therapy of gastric ulcers: a controlled clinical evaluation of triletide versus carbenoxolone. Campisi D, et al. **Pharmatherapeutica** 1985;4(3 Spec No):166–70
Effects of combined treatment with triletide and cimetidine in gastric and duodenal ulcer patients, and a retrospective comparison with cimetidine alone. d'Ambrosio G, et al. **Pharmatherapeutica** 1985;4(3 Spec No):171–6
Controlled clinical assessment of the efficacy and tolerance of triletide versus antacids in patients with gastric and duodenal ulcers. Hoetzinger H. **Pharmatherapeutica** 1985; 4(3 Spec No):155–60
Dose-finding clinical assay of triletide in gastric and duodenal ulceration. Waucquez JL. **Pharmatherapeutica** 1985;4(3 Spec No):146–54
Colloidal bismuth subcitrate in peptic ulcer disease. Tytgat GN. **S Afr Med J** 1986 Jul 5;70(1):31–3
Ulcer healing and relapse prevention by ranitidine in peptic ulcer disease. Liedberg G, et al. **Scand J Gastroenterol** 1985 Oct;20(8):941–4
Results of short- and long-term cimetidine treatment in patients with juxtapyloric ulcers, with special reference to gastric acid and pepsin secretion. Ström M, et al. **Scand J Gastroenterol** 1986 Jun;21(5):521–30
Cimetidine utilization in Denmark 1977–1981. Schmidt K, et al. **Scand J Soc Med** 1986;14(1):7–14
[Experimental studies on action of ginseng flower saponins and ginsenoside Re in gastric ulcers in rats] Zhang SC. **Chung Yao Tung Pao** 1985 Jul;10(7):43–4 **(Chi)**
[Studies on the anti-ulcer action of four polysaccharides] Cheng XJ, et al. **Yao Hsueh Hsueh Pao** 1985 Aug; 20(8):571–6 (Eng. Abstr.) **(Chi)**
[Anti-ulcer action of the polysaccharides isolated from pilose antler] Wang BX, et al. **Yao Hsueh Hsueh Pao** 1985 May; 20(5):321–5 (Eng. Abstr.) **(Chi)**
[Which drug for peptic ulcer?] Hameeteman W, et al. **Ned Tijdschr Geneeskd** 1985 Aug 31;129(35):1673–6 (Eng. Abstr.) **(Dut)**
[Maintenance therapy of ulcer disease. Comparative multicenter study of sucralfate, cimetidine and a placebo] Jean F, et al. **Rev Med Interne** 1985 Jun;6(3):321–6 (Eng. Abstr.) **(Fre)**
[Evidence of the cytoprotective action of antacids. Behavior of the transmural stomach electric potential difference with antacids in healthy subjects and stomach ulcer patients] Tympner F. **Fortschr Med** 1985 Sep 5;103(33):795–8 (Eng. Abstr.) **(Ger)**
[Protection of the gastric mucosa by prostaglandins—is this physiologic concept suitable for ulcer therapy?] Schepp W. **Leber Magen Darm** 1986 Jan;16(1):41–50 **(Ger)**
[Therapy of duodenal ulcer and pyloric ulcer with 800 mg cimetidine nightly] Schütze K, et al. **Wien Klin Wochenschr** 1986 Apr 18;98(8):237–9 (Eng. Abstr.) **(Ger)**
[Treatment of gastric and duodenal ulcer] Berndt H. **Z Arztl Fortbild (Jena)** 1986;80(2):45–6 **(Ger)**
[Stomach ulcer healing with enprostil, an orally effective prostaglandin E2 analog: direct comparative study with ranitidine] Hüttemann W, et al. **Z Gastroenterol** 1986 May; 24(5):252–6 (Eng. Abstr.) **(Ger)**
[Value of the 14C-aminophenazone inhalation test: inhibition of the demethylation function of the liver by cimetidine] Schenker E, et al. **Z Gesamte Inn Med** 1986 Mar 15; 41(6):179–81 (Eng. Abstr.) **(Ger)**
[Endogenous prostaglandin E2 levels in the gastric mucosa of patients with stomach ulcer] Rácz I, et al. **Orv Hetil** 1986 May 25;127(21):1247–51 (Eng. Abstr.) **(Hun)**
[Ulcer of the gastric body. Medical or surgical therapy?] Carditello A, et al. **Minerva Chir** 1985 Nov 15; 40(21):1471–2 (Eng. Abstr.) **(Ita)**
[Statistical analysis of the healing rate in peptic ulcer] Kimura K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Apr; 83(4):759–63 (Eng. Abstr.) **(Jpn)**
[Effect of $NaHCO_3$ infusion on the healing of acetic acid-induced gastric ulcer in rats] Li HQ, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Feb;83(2):241 **(Jpn)**
[Effects of elcatonin, a synthetic analogue of eel calcitonin, on acute gastric and duodenal lesions and gastroduodenal function in rats] Takeuchi K, et al. **Nippon Yakurigaku Zasshi** 1986 Feb;87(2):123–33 (Eng. Abstr.) **(Jpn)**
[Studies on the origin, processing and quality of crude drugs. IV. Pharmacological evaluation of the Chinese drug "zhu" in experimental stomach ulcer (4) the cytoprotective effect of extract of Atractylodes lancea var. chinensis] Nogami M, et al. **Yakugaku Zasshi** 1985 Oct;105(10):978–82 (Eng. Abstr.) **(Jpn)**
[Studies on the constituents of green juice from young barley leaves. Antiulcer activity of fractions from barley juice] Ohtake H, et al. **Yakugaku Zasshi** 1985 Nov; 105(11):1046–51 (Eng. Abstr.) **(Jpn)**
[Effects of tannins and some related compounds on ethanol-induced gastric lesions in the rat] Tani S, et al. **Yakugaku Zasshi** 1986 Apr;106(4):347–9 (Eng. Abstr.) **(Jpn)**
[Experience in treating patients with peptic ulcer exacerbation with solcoseryl and etimizol] Buliusin VIa, et al. **Klin Med (Mosk)** 1986 Jan;64(1):99–101 (Eng. Abstr.) **(Rus)**
[Efficacy of combined use of neo-alvesin and retabolil in the treatment of stomach ulcer] Gorbunov IuV, et al. **Klin Med (Mosk)** 1985 Nov;63(11):83–7 (Eng. Abstr.) **(Rus)**
[Pathogenetic basis for the use of solcoseryl in peptic ulcer of the stomach and duodenum] Oparin AG. **Klin Med (Mosk)** 1985 Nov;63(11):87–90 **(Rus)**
[Use of etimizol in chronic gastritis and peptic ulcer of the stomach] Shchedrunov VV, et al. **Sov Med** 1985;(8):12–7 (Eng. Abstr.) **(Rus)**
[A multicenter comparative clinical study of ranitidine and cimetidine in the treatment of gastric ulcer] Vucelić B, et al. **Lijec Vjesn** 1985 Oct;107(10):449–52 (Eng. Abstr.) **(Scr)**
[Sucralfate in the treatment of gastric ulcer] Segú, et al. **Rev Esp Enferm Apar Dig** 1986 Feb;69(2):2 pp. following 176 **(Spa)**
[Comparative treatment of gastric ulcer with pirenzepin, cimetidine and placebo] Hoffenberg P, et al. **Rev Med Chil** 1985 Jun;113(6):537–40 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

[Changes in the activities of lysosomal enzyme (glycosidase) in experimental acute gastric mucosal lesion] Watanabe K. **Nippon Geka Gakkai Zasshi** 1986 Apr;87(4):395–402 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Acute ethanol administration: effects on stress-induced gastric and duodenal ulcer in rats. Glavin GB, et al. **Alcohol** 1985 Sep–Oct;2(5):651–3
Acute gastric mucosal injury: pathogenesis and therapy. Holt KM, et al. **Annu Rev Med** 1986;37:107–24 (102 ref.)
Profile of gastric stress ulceration following acute cervical cord injury: an animal model. MacLellan DG, et al. **Aust NZ J Surg** 1986 Jun;56(6):499–504
Serial stressors: prior exposure to a stressor modulates its later effectiveness on gastric ulceration and corticosterone release. Murison R, et al. **Behav Neural Biol** 1986 Mar; 45(2):185–95
A molecular basis of peptic ulceration due to diet. Jayaraj AP, et al. **Br J Exp Pathol** 1986 Feb;67(1):149–55
The effect of chemiosympathectomy on the incidence of stress-induced gastric erosions. Tóth T. **Br J Exp Pathol** 1986 Jun;67(3):349–52
Incidence of bile reflux in gastric ulcer and after partial gastrectomy. Poxon V, et al. **Br J Surg** 1986 Apr; 73(4):295–7
Gastric acid secretion and lesion formation in rats under water-immersion stress. Hayase M, et al. **Dig Dis Sci** 1986

Feb;31(2):166–71
Prostaglandins. A surgeon's perspective. Ritchie WP Jr. **Dig Dis Sci** 1986 Feb;31(2 Suppl):32S–34S
Pancreatic surgery, gastric secretion and ulcers in the rat. Increased ulcer development following pancreatic half resection or duct occlusion. Schmidtler J, et al. **Eur Surg Res** 1986;18(1):28–35
Celiac sprue complicated by lymphoma presenting with multiple gastric ulcers. Roehrkasse RL, et al. **Gastroenterology** 1986 Sep;91(3):740–5
Biochemical background of the development of gastric mucosal damage in pylorus-ligated plus aspirin-treated rats. Fiegler M, et al. **Int J Tissue React** 1986;8(1):15–22
Campylobacter pyloridis, gastritis, and peptic ulceration. Goodwin CS, et al. **J Clin Pathol** 1986 Apr;39(4):353–65 (89 ref.)
The effects of thyroid hormones on the formation of stress ulcers in the rat. Money SR, et al. **J Surg Res** 1986 Feb; 40(2):176–80
Body temperature dependency of gastric regional blood flow, acid secretion and ulcer formation in restraint and water-immersion stressed rats. Arai I, et al. **Jpn J Pharmacol** 1986 Apr;40(4):501–4
Campylobacter pyloridis, urease, hydrogen ion back diffusion, and gastric ulcers. Hazell SL, et al. **Lancet** 1986 Jul 5;2(8497):15–7
Campylobacter pyloridis, urease, and gastric ulcers [letter] Hazell SL, et al. **Lancet** 1986 Sep 13;2(8507):626
Neuroendocrine mechanisms of stress ulceration: focus on thyrotropin-releasing hormone (TRH). Hernandez DE. **Life Sci** 1986 Jul 28;39(4):279–96 (161 ref.)
Effects of vasopressin deficiency, age, and stress on stomach ulcer induction in rats. Wideman CH, et al. **Peptides** 1985; 6 Suppl 1:63–7
Methylphenidate effects on activity-stress gastric lesions and regional brain noradrenaline metabolism in rats. Glavin GB. **Pharmacol Biochem Behav** 1985 Sep;23(3):379–83
Activity stress effects on voluntary ethanol consumption, mortality and ulcer development in rats. Rockman GE, et al. **Pharmacol Biochem Behav** 1986 Apr;24(4):869–73
Early weaning predisposes rats to exacerbated activity-stress ulcer formation. Glavin GB, et al. **Physiol Behav** 1985 Jun; 34(6):907–9
Interactions amongst factors which influence severity of gastric ulceration in rats. Murison R, et al. **Physiol Behav** 1986;36(6):1093–7
Some behavioral factors related to the effects of cold-restraint stress in rats: a factor analytic-multiple regression approach. Ossenkopp KP, et al. **Physiol Behav** 1985 Jun;34(6):935–41
Stress ulcer in normotensive and spontaneously hypertensive rats. Paré WP, et al. **Physiol Behav** 1986;36(4):699–705
Prior stress and susceptibility to stress ulcer. Paré WP. **Physiol Behav** 1986;36(6):1155–9
The adrenal medulla protects against stress ulcers in the presence of gastric sympathectomy. Hanisch E, et al. **Res Exp Med (Berl)** 1985;185(5):341–4
The factors affecting gastric and duodenal ulcers in Japanese factory workers. A case-control study. Araki S. **Sangyo Igaku** 1985 Jul;27(4):242–7
Stomal ulcer complicating bypass for duodenal Crohn's disease. Shepherd AF, et al. **World J Surg** 1986 Feb; 10(1):146–8
[The role of brain 5-hydroxytryptamine in the genesis of stress-induced gastric ulcer in rats] Yang H, et al. **Sheng Li Hsueh Pao** 1985 Oct;37(5):416–24 (Eng. Abstr.) (Chi)
[Pseudolymphoma of the stomach] Bosman CH, et al. **Ned Tijdschr Geneeskd** 1985 Aug 3;129(31):1484–6 (Eng. Abstr.) (Dut)
[Early necrotic ulcer of the lesser curvature of the stomach following supraselective vagotomy. Apropos of a case] Joris E, et al. **Acta Chir Belg** 1985 Nov–Dec;85(6):354–8 (Eng. Abstr.) (Fre)
[Thrombopenia during ranitidine and thiamphenicol therapy: thiamphenicol as the responsible agent] Hummer-Sigiel M, et al. **Cah Anesthesiol** 1985 Jun–Jul;33(4):363–5 (Fre)
[Smoking and peptic ulcer disease] Dammann HG, et al. **Fortschr Med** 1986 Feb 20;104(7):143–6 (Eng. Abstr.) (Ger)
[Experimental study on acute ulceration in association with obstructive jaundice—with special reference to the effect of biliary drainage on gastric mucosal blood flow and energy kinetics] Narui H, et al. **Nippon Geka Gakkai Zasshi** 1986 May;87(5):510–7 (Eng. Abstr.) (Jpn)
[Experimental study on the pathogenesis of acute ulceration in obstructive jaundice—with reference to gastric mucosal blood flow] Urakawa T, et al. **Nippon Geka Gakkai Zasshi** 1986 Feb;87(2):180–8 (Eng. Abstr.) (Jpn)
[Effect of Ca2+ antagonist on hemorrhagic shock-induced acute gastric mucosal lesion] Kawano S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Jul;82(7):1803 (Jpn)
[Smoking and stomach ulcer] Berstad A. **Tidsskr Nor Laegeforen** 1985 Oct 20;105(29):2049–51 (Eng. Abstr.) (Nor)
[Gastric ulcer after subtotal esophagectomy and esophagogastroplasty] Kunzle JE, et al. **AMB** 1985 Mar–Apr;31(3–4):62–4 (Eng. Abstr.) (Por)
[Significance of the association of antral gastritis with gastric ulcer and gastric cancer] Fica V, et al. **Rev Med Interna [Med Interna]** 1985 May–Jun;37(3):257–70 (Rum)
[Lithobezoar as a cause of stomach ulcer] Kirillov MIu. **Klin Khir** 1985;(10):63 (Rus)
[A case of development of extensive acute stomach ulcers in subarachnoid hemorrhage] Evdokimov VG, et al. **Sov Med** 1985;(12):114–6 (Rus)
[Role of the sympathetic-adrenal system in the development of experimental stomach ulcers and in the pathogenesis of peptic ulcer (review of the literature)] Zabrodin ON. **Vrach Delo** 1985 Sep;(9):60–5 (20 ref.) (Rus)

HISTORY

Classic articles in colonic and rectal surgery. John Miller Turpin Finney 1863–1942. Gastro-enterostomy for cicatrizing ulcer of the pylorus. **Dis Colon Rectum** 1986 Mar;29(3):218–21

IMMUNOLOGY

[Comparative evaluation of the immunological reactivity of gastric peptic ulcer patients in the immediate period following surgical interventions] Kryshen' VP, et al. **Klin Khir** 1985;(8):15–6 (Eng. Abstr.) (Rus)
[Immunological status in periodontal diseases combined with gastric and duodenal peptic ulcer] Safarov T, et al. **Stomatologiia (Mosk)** 1985 May–Jun;64(3):29–31 (Eng. Abstr.) (Rus)
[Reactions of humoral and cellular immunity in peptic ulcer in relation to the condition of the gastric mucosa] Vorob'eva TA, et al. **Ter Arkh** 1985;57(9):95–8 (Eng. Abstr.) (Rus)
[Changes in the body immunological status of peptic ulcer patients as affected by dietotherapy] Loranskaia TI, et al. **Vopr Pitan** 1985 Nov–Dec;(6):8–12 (Eng. Abstr.) (Rus)
[Clinico-immunologic correlations in peptic ulcer patients] Kryshen' VP, et al. **Vrach Delo** 1986 Jan;(1):54–7 (Eng. Abstr.) (Rus)
[Status of local humoral immunity in peptic ulcer patients] Kulyga VN, et al. **Vrach Delo** 1986 May;(5):14–6 (Eng. Abstr.) (Rus)

METABOLISM

The effect of long-term prostacyclin treatment on the protein, DNA and RNA content of rat gastric fundic mucosa. Balint GA, et al. **Agents Actions** 1985 Jul; 16(5):404–6
Gastric antral and fundic mucosal protein, DNA and RNA changes in different experimental ulcer models. Balint GA, et al. **Agents Actions** 1985 Oct;17(1):89–91
Acid and pepsin responses to graded doses of pentagastrin in duodenal and corporeal gastric ulcer patients before and after selective proximal vagotomy. Emås S, et al. **Am J Surg** 1985 Nov;150(5):543–9
Effect of central noradrenaline depletion on corticosterone levels and gastric ulcerations in rats. Bakke HK, et al. **Brain Res** 1986 Mar 19;368(2):256–61
Effects of zinc sulphate on ethanol- and indomethacin-induced ulceration and changes in prostaglandin E2 and histamine levels in the rat gastric glandular mucosa. Cho CH, et al. **Digestion** 1985; 32(4):288–95
Adenosine receptor activation in brain reduces stress-induced ulcer formation. Geiger JD, et al. **Eur J Pharmacol** 1985 Sep 24;115(2-3):185–90
The role of carbonic anhydrase in gastric mucosal protection with special reference to H+ back diffusion and concomitant metabolic acidosis induced by acetazolamide. Kumagai J, et al. **Gastroenterol Jpn** 1986 Jun;21(3):203–7
Human chorionic gonadotropin in normal, inflammatory, and carcinomatous gastric tissue. Manabe T, et al. **Gastroenterology** 1985 Dec;89(6):1319–25
Acid, pepsin, and mucus secretion in patients with gastric and duodenal ulcer before and after colloidal bismuth subcitrate (De-Nol). Baron JH, et al. **Gut** 1986 May; 27(5):486–90
Role of opioid receptors in stress induced gastric ulceration in rats. Gupta MB, et al. **Indian J Med Res** 1986 May; 83:532–5
Structural damage and changes in eicosanoid metabolites in the gastric mucosa of rats and pigs induced by anti-inflammatory drugs of varying ulcerogenicity. Rainsford KD. **Int J Tissue React** 1986;8(1):1–14
Increasing action of teprenone, a new antiulcer agent, on high-molecular-weight glycoprotein in gastric mucus during the healing process of acetic acid-induced ulcer in rats. Ito M, et al. **Jpn J Pharmacol** 1986 May;41(1):117–25
Intragastric bile acid concentrations in healthy subjects and in patients with gastric and duodenal ulcer and the influence of fiber-enriched wheat bran in patients with gastric ulcer. Rydning A, et al. **Scand J Gastroenterol** 1985 Sep;20(7):801–4
[Experimental study of the relationship between stress ulcer caused by hemorrhagic shock, prostaglandin E levels in the gastric mucosa and disruption of the gastric mucosal barrier] Wan YL, et al. **Chung Hua Wai Ko Tsa Chih** 1984 Dec;22(12):723–7, 781 (Eng. Abstr.) (Chi)
[Effect of prostaglandin derivatives on gastric mucosal glycoproteins with 70% ethanol-induced gastric damage in rats] Kuwata H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Aug;82(8):1858–64 (Eng. Abstr.) (Jpn)
[Pharmacokinetics of ampicillin in patients with gastric and duodenal ulcers and patients having undergone Billroth II gastric resection] Skala LZ, et al. **Antibiot Med Biotekhnol** 1985 Jun;30(6):459–61 (Eng. Abstr.) (Rus)
[The effect of calcium chloride on the ulcerogenic effect of ketophenylbutazone in relation to the calcium content of the gastric wall] Neuschl J, et al. **Bratisl Lek Listy** 1985 Dec;84(6):659–63 (Eng. Abstr.) (Slo)

MICROBIOLOGY

Gastric juice microflora in patients with gastric ulcer and gastric cancer [letter] Marne C, et al. **Eur J Clin Microbiol** 1985 Aug;4(4):426–7
Relation of Campylobacter pyloridis to gastritis and peptic ulcer. Buck GE, et al. **J Infect Dis** 1986 Apr;153(4):664–9
Campylobacter pyloridis, urease, and gastric ulcers [letter] Rathbone BJ, et al. **Lancet** 1986 Aug 16;2(8503):400–1
Campylobacter-like organisms and gastric ulcer [letter] Pym BM, et al. **Med J Aust** 1986 Mar 31;144(7):387–8
[The Campylobacter pyloridis story] Tytgat GN. **Ned Tijdschr Geneeskd** 1986 Mar 8;130(10):435–6 (Dut)
[Campylobacter pyloridis—a cause of gastritis/ulcer?] Gustavsson S. **Lakartidningen** 1986 Aug 27;83(35):2822–4 (Swe)

MORTALITY

Occupational mortality from gastric and duodenal ulcer. Sonnenberg A, et al. **Br J Ind Med** 1986 Jan;43(1):50–5

OCCURRENCE

Stomach ulcer in young people. Yanev P, et al. **Folia Med (Plovdiv)** 1984;26(4):5–11
Elevated serum pepsinogen I and II levels differ as risk factors for duodenal ulcer and gastric ulcer. Samloff IM, et al. **Gastroenterology** 1986 Mar;90(3):570–6
Occupational factors in disability pensions for gastric and duodenal ulcer. Sonnenberg A, et al. **J Occup Med** 1986 Feb;28(2):87–90
Seasonal periodicity of peptic ulcer disease. A prospective radiologic study. Ostensen H, et al. **Scand J Gastroenterol** 1985 Dec;20(10):1281–4
Smoking, alcohol, coffee, and familial factors: any associations with peptic ulcer disease? A clinically and radiologically prospective study. Ostensen H, et al. **Scand J Gastroenterol** 1985 Dec;20(10):1227–35
[Ventricular ulcer and duodenal ulcer. An epidemiological study based on a radiological study in Troms] Ostensen H, et al. **Tidsskr Nor Laegeforen** 1986 Jun 10;106(16):1388–9 (Eng. Abstr.) (Nor)

PATHOLOGY

Peptic ulcer in the gallbladder. A case report. Larsen EH, et al. **Acta Chir Scand** 1985;151(6):575–6
Gastric epithelial atypia following hepatic arterial infusion chemotherapy. Choi HY, et al. **Diagn Cytopathol** 1985 Jul–Sep;1(3):241–4
Effect of cell proliferation on healing of gastric and duodenal ulcers in rats. Takeuchi K, et al. **Digestion** 1986; 33(2):92–100
Progression of fundal gastritis in gastric ulcer patients [letter] Maaroos HI, et al. **Gastroenterology** 1986 Apr;90(4):1096–7
A new disk method for the endoscopic determination of gastric ulcer area. Okabe H, et al. **Gastrointest Endosc** 1986 Feb;32(1):20–4
Stress and ulceration: medico-legal aspects. Shafer N, et al. **Leg Med** 1985;:93–107
Quantitative changes in mast cells and microvascular pattern associated with dietary gastric ulceration in rats. Jayaraj AP, et al. **Microcirc Endothelium Lymphatics** 1985; 2(6):643–55
The lymphoepithelial phenomenon in the gastric mucosa. Rubio CA, et al. **Pathol Res Pract** 1985 Dec;180(6):612–4
Symptomatic recurrence of healed duodenal and prepyloric ulcers after treatment with ranitidine or high-dose antacid. A 1-year follow-up study. Bytzer P, et al. **Scand J Gastroenterol** 1986 Aug;21(6):765–8
A caliber-persistent artery of the gastric wall resulting in fatal haemorrhage. Varga M, et al. **Z Rechtsmed** 1986; 96(2):141–4
[Endoscopic and morphological research on the changes in the esophageal mucosa in peptic ulcer combined with gastroesophageal reflux] Simitchiev S, et al. **Vutr Boles** 1986;25(1):16–21 (Eng. Abstr.) (Bul)
[The relation between peptic ulcer and antral G and D cells] Chen ZY, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Apr; 25(4):211–4, 253 (Eng. Abstr.) (Chi)
[An unusual complication of a stress ulcer] Marei J, et al. **Rozhl Chir** 1986 Feb;65(2):124–9 (Eng. Abstr.) (Cze)
[Ulceration of large leiomyoma of the stomach] Schaube H, et al. **Leber Magen Darm** 1985 Jul;15(4):157–9 (Eng. Abstr.) (Ger)
[Secondary findings in gastroscopy detected stomach ulcer] Bretzke G. **Z Gesamte Inn Med** 1985 Aug 1;40(15):453–5 (Eng. Abstr.) (Ger)
[Histopathogenesis of intestinal metaplasia—minute lesions of intestinal metaplasia in the ulcer-bearing stomach] Mukawa K, et al. **Gan No Rinsho** 1986 Aug;32(9):971–6 (Eng. Abstr.) (Jpn)

[Callous ulcers of the stomach and duodenum] Kleba T. **Wiad Lek** 1985 Sep 1;38(17):1193–8 (Eng. Abstr.) **(Pol)**

[Juxtapyloric ulcers. The morphological, clinico–evolutive and therapeutic characteristics] Prişcu A, et al. **Rev Chir** [Chir] 1985 Sep–Oct;34(5):343–8 **(Rum)**

[Morphological considerations of the significance of the lesions in the stomach resected for ulcer] Gavriliţă L, et al. **Rev Med Chir Soc Med Nat Iasi** 1984 Apr–Jun; 88(2):325–7 (Eng. Abstr.) **(Rum)**

[Clinico–morphologic characteristics of reflux gastritis in patients with peptic ulcer before and after surgical intervention] Kanareitseva TD, et al. **Arkh Patol** 1985; 47(5):77–80 (57 ref.) (Eng. Abstr.) **(Rus)**

[Gastric stress ulcer occurring after truncal vagotomy with pyloroplasty] Petrik EI, et al. **Klin Khir** 1985;(8):74 **(Rus)**

[Use of a cytological method in examining patients with gastric ulcer] Kliukina LB, et al. **Lab Delo** 1985;(8):460–3 (Eng. Abstr.) **(Rus)**

[Clinico–morphologic diagnosis of lesions of the initial portions of the small intestine in peptic ulcer of the stomach and small intestine] Pashinian NE, et al. **Sov Med** 1986; (5):20–3 (Eng. Abstr.) **(Rus)**

[Cytologic characteristics of the ulcerous phase of peptic ulcer of the stomach and duodenum] Esedov EM. **Ter Arkh** 1986;58(2):15–7 (Eng. Abstr.) **(Rus)**

[Dysplasia of the gastric mucosal epithelium surrounding a chronic ulcer] Butov IuL, et al. **Vrach Delo** 1985 Dec; (12):8–12 (Eng. Abstr.) **(Rus)**

[Localization of gastric ulcer] Vilardell F, et al. **Rev Esp Enferm Apar Dig** 1985 Nov;68(5):381–4 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Interrelationships among gastric mucosal morphology, secretion, and motility in peptic ulcer disease. Moore SC, et al. **Dig Dis Sci** 1986 Jul;31(7):673–84

Hemodynamics of the gastric mucosa and gastric ulceration in rats and in patients with gastric ulcer. Sato N, et al. **Dig Dis Sci** 1986 Feb;31(2 Suppl):35S–41S

Gastric stress ulcer of the rat: relative contribution of the pyloric sphincter, HCO_3^- bile reflux and mucosal blood flow. Bénichoux R, et al. **Eur Surg Res** 1986;18(3–4):159–68

Mechanisms of acute gastric mucosal lesion accompanying obstructive jaundice—role of bile acids in plasma. Mizumoto S, et al. **Gastroenterol Jpn** 1986 Feb;21(1):6–16

Ventilatory function in chronic peptic ulcer. A controlled study of ventilatory function in patients with gastric and duodenal ulcer. Kellow JE, et al. **Gastroenterology** 1986 Sep;91(3):590–5

Difference of interdigestive gastroduodenal motility and duodenal pH between duodenal and gastric ulcer patients. Sekiguchi T, et al. **Nippon Heikatsukin Gakkai Zasshi** 1985 Jul;21 Suppl:113–24

Gastric motility and emptying in health and after vagotomy and after gastric resection. Shiratori T, et al. **Nippon Heikatsukin Gakkai Zasshi** 1985 Jul;21 Suppl:127–34

Dietary habits and daily symptoms in patients with gastric ulcer. Harju E. **Panminerva Med** 1985 Apr–Jun;27(2):67–9

Acid secretory tests in peptic ulcer disease before and after parietal cell vagotomy. Graffner H, et al. **Scand J Gastroenterol** 1986 Jan;21(1):41–6

[Pathophysiology of ulcer disease] Holle GE. **Langenbecks Arch Chir** 1985;366:81–7 (Eng. Abstr.) **(Ger)**

[Functional anatomy of stomach circulation: localizing factors in the pathogenesis of stomach ulcer] Rau W. **Langenbecks Arch Chir** 1986;367(2):129–38 (Eng. Abstr.) **(Ger)**

[Acid barrier of the gastric mucous membrane] Miederer SE, et al. **Med Monatsschr Pharm** 1986 Apr;9(4):108–13 **(Ger)**

[Measurement of gastric mucosal temperature in cases with and without stomach ulcer] Iwai S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Oct;82(10):2529–37 (Eng. Abstr.) **(Jpn)**

[Effects of omeprazole, a benzimidazole derivative, on the gastric mucosal blood flow in chronic gastric ulcer in humans] Matsuda K. **Nippon Shokakibyo Gakkai Zasshi** 1986 May;83(5):1059 **(Jpn)**

[Pathophysiology of peptic ulcer: changes in serum secretin concentrations and the number of secretin cells in the duodenal mucosa] Sasaki H. **Nippon Shokakibyo Gakkai Zasshi** 1985 Jun;82(6):1512–9 (Eng. Abstr.) **(Jpn)**

[Effect of hemorrhage on hepatic blood flow and the detoxifying function of the liver in surgical patients] Bakhtina TP, et al. **Anesteziol Reanimatol** 1986 Mar–Apr; (2):38–40 (Eng. Abstr.) **(Rus)**

[Changes in the pulmonary blood flow of patients with respiratory complications after the surgical treatment of gastric and duodenal peptic ulcer] Chernobrovyl NP, et al. **Klin Khir** 1985;(8):27–8 (Eng. Abstr.) **(Rus)**

[Acid–neutralizing function of the duodenum in patients with peptic ulcer and its clinical significance] Rychagov GP, et al. **Sov Med** 1985;(12):20–6 (Eng. Abstr.) **(Rus)**

[State of the microcirculation and its relation to gastric function and structural changes in the gastroduodenal zone in recurrent peptic ulcer] Chernin VV, et al. **Ter Arkh** 1986; 58(2):6–9 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Sulphasalazine and experimental stress ulcers. Ogle CW, et al. **Agents Actions** 1985 Dec;17(2):153–7

Gastric cytoprotective, antisecretory and antiulcer activities of (E)–4–oxo–4–(3,4,5–trimethoxyphenyl)–2–butenoic acid (RU 38086). Barzaghi F, et al. **Arzneimittelforschung** 1985; 35(9):1412–6

Prevention by a new synthetic stable analog of prostacyclin of the gastric lesions due to restraint–cold stress. Zengil H, et al. **Arzneimittelforschung** 1986 Mar;36(3):482–3

Pharmacokinetics of ranitidine in quadriplegics. More DG, et al. **Br J Clin Pharmacol** 1985 Aug;20(2):166–9

Studies on biological activities of melanin from marine animals. III. Inhibitory effect of SM II (low molecular weight melanoprotein from squid) on phenylbutazone–induced ulceration in gastric mucosa in rats, and its mechanism of action. Mimura T, et al. **Chem Pharm Bull (Tokyo)** 1985 May;33(5):2052–60

Gastric mucosal protection during confinement stress: the role of intragastric glucose. Ephgrave KS, et al. **Curr Surg** 1985 Sep–Oct;42(5):375–8

Prostaglandins and chemotherapy–induced ulcers in dogs. Bright–Asare P, et al. **Dig Dis Sci** 1985 Nov;30(11 Suppl):201S–203S

The effect of the new H2–receptor antagonist mifentidine on gastric secretion, gastric emptying and experimental gastric and duodenal ulcers in the rat: comparison with cimetidine and ranitidine. Scarpignato C, et al. **Digestion** 1986;33(1):7–16

Prophylaxis of stress ulcers: antacid titration vs. histamine2–receptor blockade. Gonzalez ER, et al. **Drug Intell Clin Pharm** 1985 Nov;19(11):807–11 (32 ref.)

Use of antisecretory drugs for gastroprotection during antiblastic chemotherapy. Polloni A, et al. **Drugs Exp Clin Res** 1985;11(4):303–6

Effects of morphine and naloxone on stress ulcer formation and gastric acid secretion. Glavin GB, et al. **Eur J Pharmacol** 1986 May 13;124(1–2):121–7

Antiulcer and gastroprotective effects of solon, a synthetic flavonoid derivative of sophoradin. Role of endogenous prostaglandins. Konturek SJ, et al. **Eur J Pharmacol** 1986 Jun 17;125(2):185–92

Improvement of the gastric tolerance of non–steroidal anti–inflammatory drugs by polyene phosphatidylcholine (Phospholipon 100). Leyck S, et al. **Eur J Pharmacol** 1985 Oct 29;117(1):35–42

Depression of experimental gastric ulcers and acute pancreatitis in rats treated by 5–azacytosine, 5–azacytidine and their N–methyl derivatives. Cihák A, et al. **Experientia** 1986 Jan 15;42(1):32–3

Synthesis and antiulcer activity of (E)–5–[2–(3–pyridyl)ethenyl]–1H,7H–pyrazolo [1,5–a]pyrimidine–7–ones. Doria G, et al. **Farmaco [Sci]** 1986 Jun;41(6):417–29

Bicyclic compounds with potential antiulcer and/or antisecretory activity. II. 1(or 3),4,6,7–Tetrahydro–1(3)H–pyrano[3,4–d]imidazoles and 1(or 3),4,6,7–tetrahydro–1(3)H–thiopyrano[3,4–d]imidazoles. Scarponi U, et al. **Farmaco [Sci]** 1986 Jan;41(1):23–40

Development of gastric mucosal protection against acid in the rat. Role of corticosteroids and prostaglandins. Dial EJ, et al. **Gastroenterology** 1986 Aug;91(2):318–25

Gastric protection by sucralfate. Role of mucus and prostaglandins. Shea–Donohue T, et al. **Gastroenterology** 1986 Sep;91(3):660–6

Gastric mucosal damage in sepsis—effects of pretreatment with a synthetic prostaglandin E1 analogue. Arvidsson S, et al. **Gut** 1985 Oct;26(10):1025–31

Effect of acetaminophen on human gastric mucosal injury caused by ibuprofen. Lanza FL, et al. **Gut** 1986 Apr; 27(4):440–3

Mucosal blood flow and gastric protection—effect of neurohormonal and pharmacological agents. Guslandi M. **Int J Clin Pharmacol Ther Toxicol** 1986 Mar;24(3):143–7

Prostaglandin B$_2$ in the prevention of stress ulcers in rats. Kumashiro R, et al. **Int Surg** 1985 Jul–Sep;70(3):247–50

Protective effect of GABA and sodium valproate on stress–induced gastric lesions in guinea–pigs. Miñano FJ, et al. **J Pharm Pharmacol** 1985 Sep;37(9):675–7

Cytoprotective action of carbenoxolone sodium on ethanol–induced gastric lesions in rats and its inhibition by indomethacin. Wan BY, et al. **J Pharm Pharmacol** 1985 Oct;37(10):739–41

Effects of intracerebroventricular bombesin on gastric ulcers and gastric glycoproteins in rats. Hagiwara M, et al. **J Pharmacobiodyn** 1985 Oct;8(10):864–7

Acute gastric mucosal lesions—a new experimental model and effect of parenteral nutrition. Nakagawa K, et al. **JPEN J Parenter Enteral Nutr** 1985 Sep–Oct;9(5):571–82

Gastric lesion–preventing or –potentiating activity of clonidine in rats. Del Soldato P. **Jpn J Pharmacol** 1986 Jun;41(2):257–9

Gastric cytoprotection by pirenzepine in rats: evaluating method for cytoprotective activity by antisecretory agents. Takeda F, et al. **Jpn J Pharmacol** 1985 Aug;38(4):337–46

Effect of 16,16–dimethyl PGE2 on renal papillary necrosis and gastrointestinal ulcerations (gastric, duodenal, intestinal) produced in rats by mefenamic acid. Elliott G, et al. **Life Sci** 1986 Aug 4;39(5):423–32

Antiulcer effect of rioprostil, a prostaglandin E1 analog, in combination with antacid. Katz LB, et al. **Life Sci** 1986 Sep 15;39(11):1013–9

Stress ulcers—prevention of gastrointestinal bleeding in critical care units. Bank S. **Med J Aust** 1985 Feb 4;142 Spec No:S17–20

Use of cytoprotective agents in the treatment of gastric ulcers. Lam SK. **Med J Aust** 1985 Feb 4;142 Spec No:S21–3

Prevention and treatment of gastrointestinal mucosal injury with cytoprotective agents. Tarnawski A. **Med J Aust** 1985 Feb 4;142 Spec No:S13–7

Effects of verapamil, carbenoxolone and N–acetylcysteine on gastric wall mucus and ulceration in stressed rats. Koo MW, et al. **Pharmacology** 1986;32(6):326–34

Protection by zinc sulphate against ethanol–induced ulceration: preservation of the gastric mucosal barrier. Wong SH, et al. **Pharmacology** 1986;33(2):94–102

Electrical stimulation of the medial forebrain bundle–posterior lateral hypothalamus attenuates gastric lesions. McCutcheon NB, et al. **Physiol Behav** 1986; 37(3):435–40

Distinction between antiulcer effect and cytoprotection. Robert A, et al. **Scand J Gastroenterol [Suppl]** 1984; 101:69–73

Gastric mucosal damage induced by endotoxin shock and its prevention by naloxone and anti–ulcer drugs in rats. Parmar NS. **Toxicon** 1986;24(6):611–3

[Cytoprotective effect of vegetable oil on stress–induced gastric mucosal damage in rats] Guo YS, et al. **Sheng Li Hsueh Pao** 1985 Apr;37(2):204–8 (Eng. Abstr.) **(Chi)**

[Does stress ulcer prevention increase the risk of pneumonia in artificial respiration? (letter)] Daschner F, et al. **Anaesthesist** 1986 May;35(5):325 **(Ger)**

[Protective effect of two antacids in acute acetylsalicylic acid–induced injuries to the human gastric mucosa] Müller P, et al. **Arzneimittelforschung** 1985;35(12):1862–4 (Eng. Abstr.) **(Ger)**

[Effect of sweet almonds on the stress ulcer in rats] Zittlau E. **DTW** 1985 Apr 9;92(4):151–4 (Eng. Abstr.) **(Ger)**

[I.v. famotidine versus i.v. ranitidine: intragastric pH behavior in surgical intensive care patients] Friedl W, et al. **Z Gastroenterol** 1985 Nov;23(11):603–7 (Eng. Abstr.) **(Ger)**

[Experimental study on the effect of cimetidine, 16,16–dmPGE2 and vagotomy on hepatic regeneration for prevention of stress ulcer after hepatectomy] Urakawa T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Apr; 83(4):784–91 (Eng. Abstr.) **(Jpn)**

[Effects of misoprostol, (+/–)–methyl (11 alpha, 13E)–11, 16–dihydroxy–16–methyl–9–oxoprost–13–en–1–oate, on various gastric and duodenal lesions in rats] Okabe S, et al. **Nippon Yakurigaku Zasshi** 1986 Mar;87(3):339–50 (Eng. Abstr.) **(Jpn)**

[Effect of anxiolytic drugs on the development and healing process of stress ulcer: application of endoscopic observation] Yoshimura H, et al. **Nippon Yakurigaku Zasshi** 1986 May;87(5):583–97 (Eng. Abstr.) **(Jpn)**

[The significance of proximal selective vagotomy in the prevention of gastric stress ulcers] Černý J, et al. **Rozhl Chir** 1986 Mar;65(3):158–63 (Eng. Abstr.) **(Slo)**

[Truncal vagotomy and estrogens in ulcus. Experimental study] Calvo Zapata M, et al. **Rev Esp Enferm Apar Dig** 1986 Aug;70(2):113–8 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Psychological correlates of gastric and duodenal ulcer disease. Tennant C, et al. **Psychol Med** 1986 May; 16(2):365–71

The role of adenosinergic, GABAergic and benzodiazepine systems in hyperemotionality and ulcer formation in stressed rats. Ushijima I, et al. **Psychopharmacology (Berlin)** 1986;89(4):472–6

[Value of models of cortico–visceral pathology in studies of the mechanisms of cortico–visceral interactions] Pastukhov VA. **Fiziol Zh SSSR** 1986 Jan;72(1):69–77 **(Rus)**

[Psychopathological disorders in patients with stomach ulcer] Gal'perina LE, et al. **Klin Med (Mosk)** 1986 Jun;64(6):69–73 **(Rus)**

[Relation between the ulcerogenic action of emotional stress and the individual–typologic characteristics of the rat] Vediaev FP, et al. **Patol Fiziol Eksp Ter** 1985 Sep–Oct; (5):21–3 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Radiographic efficacy in gastric ulcer: comparison of single–contrast and multiphasic examinations. Ott DJ, et al. **AJR** 1986 Oct;147(4):697–700

[Roentgen diagnosis of gastric linear ulcers] Fan JD. **Chung Hua Fang She Hsueh Tsa Chih** 1984 Nov;18(4):256–9 (Eng. Abstr.) **(Chi)**

[Significance of stomach deformities in the diagnosis of peptic ulcer and carcinoma] Vlasov PV. **Radiol Diagn (Berl)** 1985; 26(5):689–96 (Eng. Abstr.) **(Ger)**

[Large–frame fluorography in the diagnosis of gastric ulcer] Portnoi LM, et al. **Klin Med (Mosk)** 1985 Sep;63(9):78–82 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Radionuclide studies in upper gastro–intestinal ulceration—are they reliable? A pilot study of 6 patients.

Carstens AJ, et al. S Afr Med J 1985 Dec 7;68(12):867–8

[Duodenogastric reflux in gastric ulcer patients in the pre- and postoperative periods] Kuzin NM, et al. Klin Med (Mosk) 1985 Sep;63(9):92–5 (Rus)

RADIOTHERAPY

[Clinico-morphological aspects of the endoscopic laser therapy of stomach ulcers] Buryl AN, et al. Klin Khir 1985;(8):23–5 (Eng. Abstr.) (Rus)

[Laser treatment of stomach ulcer based on optic characteristics of the affected site] Golubenko IuV, et al. Sov Med 1985;(12):34–7 (Eng. Abstr.) (Rus)

[Use of helium–neon laser radiation in the complex treatment of peptic ulcer] Kochetov AM, et al. Vrach Delo 1986 Jul;(7):77–9 (Eng. Abstr.) (Rus)

SURGERY

Early and late results after antrectomy, selective vagotomy and Roux-en-Y reconstruction for severe peptic ulcer disease. Karlqvist PA, et al. Acta Chir Scand 1986 May;152:357–61

Retrospective analysis of gastric stump carcinoma patients treated during 1946–1981. Ovaska JT, et al. Acta Chir Scand 1986 Mar;152:199–204

Endoscopic follow-up after resection for gastric or duodenal ulcer. Ovaska JT, et al. Acta Chir Scand 1986 Apr;152:289–95

Emergency operations for gastric and duodenal ulcers in high risk patients. McGuire HH Jr, et al. Ann Surg 1986 May;203(5):551–7

Clinical results 1–10 years after highly selective vagotomy in 306 patients with prepyloric and duodenal ulcer disease. Enskog L, et al. Br J Surg 1986 May;73(5):357–60

The surgical treatment of peptic ulcer disease. A physician's view. Bader JP. Dig Dis Sci 1985 Nov;30(11 Suppl):52S–54S

Current status of argon laser hemostasis of bleeding ulcers. Brunetaud JM, et al. Endoscopy 1986 May;18 Suppl 2:40–5 (18 ref.)

Thoracotomy and gastrectomy in a patient with severe haemophilia A. Scharf R, et al. Helv Chir Acta 1986 Jun;53(1–2):201–6

Parietal cell vagotomy in the surgical treatment of chronic duodenal, pyloric and prepyloric ulcer disease. Graffner HO, et al. Int Surg 1985 Apr–Jun;70(2):139–44

Symptomatic and asymptomatic ulcer recurrence following highly selective vagotomy. Maddern GJ, et al. Surg Gastroenterol 1984;3(2):29–33

[Elective surgery of stomach ulcer] Becker HD, et al. Chirurg 1986 Jun;57(6):361–6 (Ger)

[Atypical resection and anastomosis technics in ulcer surgery] Kremer B, et al. Chirurg 1986 Jul;57(7):417–24 (Ger)

[Emergency interventions in perforation of gastroduodenal ulcer] Kronberger L, et al. Chirurg 1986 Jun;57(6):367–71 (Ger)

[Hemorrhage in peptic gastroduodenal ulcer: data as a deciding aid in the concept of surgical therapy] Troidl H, et al. Chirurg 1986 Jun;57(6):372–80 (Ger)

[Recurrence following ulcer operation: aggressive ulcer disease or inadequate therapy?] Beger HG, et al. Langenbecks Arch Chir 1985;366:121–6 (Eng. Abstr.) (Ger)

[Secondary pancreatic insufficiency following distal stomach resection] Büchler M, et al. Langenbecks Arch Chir 1985;367(1):41–50 (Eng. Abstr.) (Ger)

[Therapy failures in ulcer drug therapy—what should be done?] Largiadèr F. Langenbecks Arch Chir 1985;366:127–9 (Eng. Abstr.) (Ger)

[Perforation: which therapy is proven in stomach ulcer and duodenal ulcer?] Rothmund M, et al. Langenbecks Arch Chir 1985;366:113–9 (Eng. Abstr.) (Ger)

[Acid and reflux. Dualism of stomach resection] Schumpelick V. Langenbecks Arch Chir 1985;365(3):153–5 (Ger)

[Problems of esophagojejunal anastomosis following gastrectomy] Schwab G, et al. Langenbecks Arch Chir 1985;365(2):101–7 (Eng. Abstr.) (Ger)

[Roux-Y reconstruction following distal stomach resection using only staplers] Thiede A, et al. Langenbecks Arch Chir 1986;367(2):119–27 (Eng. Abstr.) (Ger)

[Hemorrhaging peptic ulcer—Therapy? When? Which?] Thon K, et al. Langenbecks Arch Chir 1985;366:99–105 (Eng. Abstr.) (Ger)

[Gallstone formation following transmural migration of a surgical clip in the bile ducts. Case report] Wittenberg H, et al. Z Gastroenterol 1985 Mar;23(3):139–42 (Eng. Abstr.) (Ger)

[Jejunogastric invagination by Braun enteroanastomosis following stomach resection] Schumann C. Zentralbl Chir 1985;110(20):1269–71 (Ger)

[Observations on the first 2 cases of duodeno-jejunal gastroplasty] Musiani R, et al. Minerva Chir 1985 Nov 15;40(21):1449–54 (Eng. Abstr.) (Ita)

[Surgical results in peptic ulcer in relation to gastric acid-producing function] Khachiev LG, et al. Khirurgiia (Mosk) 1985 Oct;(10):29–33 (Eng. Abstr.) (Rus)

[Sexual functioning of men after surgical treatment of peptic ulcer of the stomach and duodenum] Kirpatovskiĭ ID, et al. Khirurgiia (Mosk) 1985 Sep;(9):34–7 (Eng. Abstr.) (Rus)

[Method of treating pyloroduodenal ulcers] Vakhtangishvili RSh. Khirurgiia (Mosk) 1985 Sep;(9):109–11 (Rus)

[Results of selective proximal vagotomy in the surgical treatment of pyloroduodenal ulcers] Shalimov AA, et al. Klin Khir 1985;(8):1–4 (Eng. Abstr.) (Rus)

[Surgical procedure in peptic ulcer complicated by hemorrhage combined with perforation] Zaĭtsev VT, et al. Klin Khir 1985;(8):48–50 (Eng. Abstr.) (Rus)

[Characteristics of reparative processes in the gastrointestinal tract after continuous laser irradiation] Eliseenko VI, et al. Vestn Akad Med Nauk SSSR 1985;(7):72–8 (Eng. Abstr.) (Rus)

[Endoscopic evaluation of the status of the stomach in patients after ulcer surgery] Satsukevich VN. Vestn Khir 1986 Jan;136(1):17–22 (Eng. Abstr.) (Rus)

[Prevention of pulmonary complications after surgical treatment of peptic ulcer] Chernobrovyĭ NP, et al. Vrach Delo 1986 Jul;(7):75–7 (Eng. Abstr.) (Rus)

THERAPY

Giant gastric ulcers. A review of 49 cases. Barragry TP, et al. Ann Surg 1986 Mar;203(3):255–9

[Use of central electroanalgesia in the complex treatment of peptic ulcer] Anisimov VE, et al. Klin Med (Mosk) 1985 Nov;63(11):90–3 (Rus)

[Use of a leukocyte concentrate in stomach and duodenal ulcers] Preobrazhenskiĭ VN, et al. Klin Med (Mosk) 1986 Mar;64(3):90–4 (Eng. Abstr.) (Rus)

[Ultraviolet irradiation of autologous blood in stomach ulcer] Baranovskiĭ AIu. Sov Med 1986;(2):94–6 (Rus)

[Evaluation of local treatment of gastroduodenal ulcers] Sokolov LK, et al. Sov Med 1985;(8):107–10 (Rus)

[Use of Statizol film-forming glue for treating gastric and duodenal ulcers] Tsarev NI, et al. Vestn Khir 1986 Jan;136(1):14–7 (Eng. Abstr.) (Rus)

[Efficacy of the exposure of the thyroid gland to decimeter-range microwaves in peptic ulcer of the stomach and duodenum] Rudoĭ DG, et al. Vopr Kurortol Fizioter Lech Fiz Kult 1986 Mar–Apr;(2):59–61 (Rus)

[Therapeutic endoscopy of gastroduodenal ulcers] Ogarko VV, et al. Vrach Delo 1986 Jan;(1):70–3 (Eng. Abstr.) (Rus)

[Effect of large doses of alvesin on the blood coagulation system in patients with stomach ulcer and gastric cancer] Paratsil ZZ. Vrach Delo 1985 Sep;(9):65–8 (Eng. Abstr.) (Rus)

VETERINARY

Prevalence, pathology and isolation studies on phycomycotic gastric ulcer in neonatal piglets. Mahanta S, et al. Sabouraudia 1985 Oct;23(5):395–7

Perforated gastric ulcer associated with disseminated staphylococcal granuloma (botryomycosis) in a cat. Sheikh-Omar AR, et al. Vet Rec 1985 Aug 10;117(6):131

STOMACH VOLVULUS

COMPLICATIONS

Extrahepatic biliary obstruction complicating a diaphragmatic hiatal hernia with intrathoracic gastric volvulus. Llaneza PP, et al. Am J Gastroenterol 1986 Apr;81(4):292–4

Persistent jaundice and failure to thrive. Schindler AM, et al. Hosp Pract [Off] 1986 Aug 15;21(8):22–4

Coexisting organo-axial gastric volvulus and volvulus of the sigmoid colon. Sharp JF, et al. J R Soc Med 1986 Apr;79(4):240–1

[Post-traumatic gastric volvulus. Report of 2 cases] Zorrilla Bianco PG, et al. Rev Invest Clin 1986 Jan–Mar;38(1):51–4 (Eng. Abstr.) (Spa)

DIAGNOSIS

Acute gastric volvulus. Sinkwitz KD. Ethiop Med J 1986 Jul;24(3):137–9

ETIOLOGY

The superior mesenteric artery syndrome in pregnancy: a case resulting in recurrent pregnancy loss. Iko BO, et al. Eur J Obstet Gynecol Reprod Biol 1986 Apr;21(4):233–6

RADIOGRAPHY

Acute gastric volvulus. Gean AD, et al. Am Fam Physician 1986 Sep;34(3):99–100

The differential retrocardiac air-fluid level: a sign of intrathoracic gastric volvulus. Scott RL, et al. J Can Assoc Radiol 1986 Jun;37(2):119–21

[Roentgen diagnosis of gastric volvulus (an analysis of 98 cases)] Chen XR. Chung Hua Fang She Hsueh Tsa Chih 1984 Nov;18(4):253–5 (Eng. Abstr.) (Chi)

SURGERY

The use of dual percutaneous endoscopic gastrostomy (DPEG) in the management of chronic intermittent gastric volvulus. Eckhauser ML, et al. Gastrointest Endosc 1985 Oct;31(5):340–2

Gastric volvulus in three children with asplenic syndrome. Aoyama K, et al. J Pediatr Surg 1986 Apr;21(4):307–10

VETERINARY

Influence of dietary composition on gastric emptying and motility in dogs: potential involvement in acute gastric dilatation. Burrows CF, et al. Am J Vet Res 1985 Dec;46(12):2609–12

STOMATITIS

Denture sore mouth [letter] Ayres S Jr. Cutis 1986 Jul;38(1):34, 42

BLOOD

Haematological abnormalities in oral lichen planus, candidiasis, leukoplakia and non-specific stomatitis. Challacombe SJ. Int J Oral Maxillofac Surg 1986 Feb;15(1):72–80

CHEMICALLY INDUCED

Nickel allergy to dental prostheses. Fernandez JP, et al. Contact Dermatitis 1986 May;14(5):312

Reactions to menthol. Fisher AA. Cutis 1986 Jul;38(1):17–8

Allergic stomatitis from dental impression compounds. Fisher AA. Cutis 1985 Oct;36(4):295–6

Skin and mucous membrane ulceration in beagle dogs following oral dosing with an experimental aminoglycoside antibiotic. La Rocca PT, et al. Fundam Appl Toxicol 1985 Oct;5(5):986–90

Dental management of cancer patients receiving chemotherapy. Fattore L, et al. IMJ 1986 Apr;169(4):223–7

Lichenoid stomatitis associated with lithium carbonate. Hogan DJ, et al. J Am Acad Dermatol 1985 Aug;13(2 Pt 1):243–6

[Effect of the working environment in the petrochemical industry on the periodontium and mucous membrane of vocational school students] Sentek B, et al. Med Pr 1985;36(3):209–13 (Eng. Abstr.) (Pol)

COMPLICATIONS

Recurrent oral and genital ulcers and herpetic infection. Nsouli TM, et al. Ann Allergy 1986 Sep;57(3):171–2, 189–92

DIAGNOSIS

A gravimetric technique for measurement of denture hygiene. Taaffe A, et al. J Dent 1985 Dec;13(4):271–6

[Mycological diagnosis and antimycotic therapy in denture stomatitis] Bosse HS, et al. Zahn Mund Kieferheilkd 1986;74(2):123–30 (Eng. Abstr.) (Ger)

DRUG THERAPY

Effects of benzydamine on radio-polychemotherapeutic mucositis of the oral cavity. Prada A, et al. Int J Tissue React 1985;7(3):237–9

Oral sucralfate suspension for mucositis [letter] Solomon MA. N Engl J Med 1986 Aug 14;315(7):459–60

The rational management of oral candidosis associated with dentures. Carter GM, et al. NZ Dent J 1986 Jul;82(369):81–4

[Treatment of stomatitis with Berberis poiretii compositus] Xu JW. Chung Yao Tung Pao 1985 Oct;10(10):44 (Chi)

[Dynamics of the inflammatory process caused by carrageenin administration during experimental therapy] Aleksandrov PN, et al. Biull Eksp Biol Med 1986 Feb;101(2):149–51 (Eng. Abstr.) (Rus)

[Effect of prostaglandin E2 on the microvascular and cellular reactions in inflammation] Aleksandrov PN, et al. Patol Fiziol Eksp Ter 1985 Jul–Aug;(4):55–7 (Eng. Abstr.) (Rus)

ETIOLOGY

A longitudinal survey of removable partial dentures. III. Tissue reactions to various denture components. Lechner SK. Aust Dent J 1985 Aug;30(4):291–5

Oral mucositis in patients undergoing bone marrow transplantation. Seto BG, et al. Oral Surg Oral Med Oral Pathol 1985 Nov;60(5):493–7

IMMUNOLOGY

Enzootic vesicular stomatitis New Jersey type in an insular feral swine population. Stallknecht DE, et al. Am J Epidemiol 1985 Nov;122(5):876–83

MICROBIOLOGY

An investigation of the efficacy of nystatin for the treatment of chronic atrophic candidosis (denture sore mouth). Martin MV, et al. Br Dent J 1986 Mar 22;160(6):201–4

Oral manifestation of disseminated Mycobacterium avium intracellulare in a patient with AIDS. Volpe F, et al. Oral Surg Oral Med Oral Pathol 1985 Dec;60(6):567–70

[Yeast fungus flora in tumor irradiation of the upper aerodigestive tract] Pau HW, et al. HNO 1985 Nov;33(11):485–8 (Eng. Abstr.) (Ger)

OCCURRENCE

A prevalence study of denture stomatitis in subjects with diabetes mellitus or elevated plasma glucose levels. Phelan JA, et al. Oral Surg Oral Med Oral Pathol 1986 Sep;62(3):303–5

[Status of the organ of mastication in a selected group of

university students in Poland] Rump Z.
Ann Acad Med Stetin 1985;31:197–220 (Eng. Abstr.) **(Pol)**

PATHOLOGY

In situ characterization of the inflammatory cell infiltrates of hyperplastic denture stomatitis. Johannessen AC, et al. **Acta Odontol Scand** 1986 Jun;44(3):185–92

Changes in the rate of epithelial proliferation of rat oral mucosa in response to acute inflammation induced by turpentine. Willoughby SG, et al. **Arch Oral Biol** 1986; 31(3):193–9

Multiple, shallow, circinate mucosal erosions on the soft palate and base of uvula. Warnock GR, et al.
J Am Dent Assoc 1986 Apr;112(4):523–4

Ultrastructural development of dated plaque in case of denture stomatitis. Walter B, et al. **J Biol Buccale** 1986 Jun;14(2):115–24

Chronic atrophic candidosis [editorial] **Lancet** 1986 Aug 23; 2(8504):437–8

PHYSIOPATHOLOGY

A study of salivary hydrogen ion concentration in patients with denture stomatitis. Taaffe A, et al. **J Dent** 1985 Dec; 13(4):350–3

PREVENTION & CONTROL

Benzydamine hydrochloride in prevention and management of pain in oral mucositis associated with radiation therapy. Epstein JB, et al. **Oral Surg Oral Med Oral Pathol** 1986 Aug;62(2):145–8

RADIOTHERAPY

[Use of helium–neon laser radiation in treating patients with an acute inflammatory process of the maxillofacial area] Mikhallova RI, et al. **Stomatologiia (Mosk)** 1985 May–Jun; 64(3):55–6 (Eng. Abstr.) **(Rus)**

SURGERY

[Risk of laryngoscopy in cellulitis of the mouth floor (value of fiberscopic intubation] Kalfon F, et al.
Cah Anesthesiol 1986 Mar–Apr;34(2):159–60 **(Fre)**

THERAPY

Anti-inflammatory effects of ultrasound therapy: evidence for a major placebo effect. Hashish I, et al.
Br J Rheumatol 1986 Feb;25(1):77–81

[Use of immunostimulators in the treatment of inflammatory processes in the maxillofacial region] Starodubtsev VS, et al. **Voen Med Zh** 1986 Feb;(2):49–50 **(Rus)**

VETERINARY

Immune responses of cattle and mice to the G glycoprotein of vesicular stomatitis virus. Yilma T, et al.
Adv Exp Med Biol 1985;185:101–15

Recent vesicular stomatitis virus infection detected by immunoglobulin M antibody capture enzyme-linked immunosorbent assay. Vernon SD, et al.
J Clin Microbiol 1985 Oct;22(4):582–6

Necrotic stomatitis of captive Dorcas gazelles. Furley CW, et al. **Vet Rec** 1985 Aug 10;117(6):132

Characterization of New Jersey vesicular stomatitis virus isolates from horses and black flies during the 1982 outbreak in Colorado. Schnitzlein WM, et al. **Virology** 1985 Apr 30;142(2):426–31

STOMATITIS, APHTHOUS

CHEMICALLY INDUCED

Food allergy or intolerance in severe recurrent aphthous ulceration of the mouth. Wright A, et al.
Br Med J [Clin Res] 1986 May 10;292(6530):1237–8

COMPLICATIONS

Oral lesions in pityriasis rosea. Kay MH, et al.
Arch Dermatol 1985 Nov;121(11):1449–51

Oral lesions associated with pityriasis rosea [letter] Sciubba JJ. **Arch Dermatol** 1986 May;122(5):503–4

DIAGNOSIS

Recurrent aphthous ulcer. Chawda JG, et al. **Ann Dent** 1984 Winter;43(2):14–7

DRUG THERAPY

Significant response of oral aphthosis to thalidomide treatment [letter] Brodthagen H. **J Am Acad Dermatol** 1985 Sep;13(3):509

Deanxit in the treatment of aphthous ulceration. Yaacob H, et al. **Singapore Med J** 1985 Aug–Sep;26(4–5):343–5

[Experience in treating patients with recurrent aphthous stomatitis with dekaris] Abramova EI, et al.
Stomatologiia (Mosk) 1986 Jul–Aug;65(4):29–30 (Eng. Abstr.) **(Rus)**

[Diucifon in the treatment of chronic aphthous stomatitis] Terekhova NV, et al. **Stomatologiia (Mosk)** 1986 Jan–Feb; 65(1):20–1 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

[Hydrolytic enzyme activity in the mixed saliva of patients with chronic recurrent aphthous stomatitis] Skliar VE, et al. **Stomatologiia (Mosk)** 1985 May–Jun;64(3):21–2 (Eng. Abstr.) **(Rus)**

ETIOLOGY

[Premenstrual oral ulceration] Zhong ZM.
Chung Hua I Hsueh Tsa Chih 1985 Oct;65(10):600–2 (Eng. Abstr.) **(Chi)**

[Changes in the blood microcirculation in the mouth mucosa in experimental stomatitis] Barkovskiĭ VS, et al.
Biull Eksp Biol Med 1985 Sep;100(9):294–6 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Inheritance of recurrent aphthous ulceration of the mouth. Naamba C, et al. **J Laryngol Otol** 1986 Mar;100(3):361–2

[The inheritance of recurrent aphthous ulcers: analysis of 3,714 individuals surveyed in the Shenyang area] Qian DM.
Chung Hua Kou Chiang Ko Tsa Chih 1985 Jul;20(4):241–4 **(Chi)**

IMMUNOLOGY

Immunological studies on aphthous ulcer and erythema nodosum-like eruptions in Behcet's disease. Kaneko F, et al. **Br J Dermatol** 1985 Sep;113(3):303–12

Humoral responses and cross-reactivity to viridans streptococci in recurrent aphthous ulceration. Hoover CI, et al. **J Dent Res** 1986 Aug;65(8):1101–4

Secretory and serum antibody responses to oral bacterial antigens associated with recurrent aphthous ulceration. Lindemann RA, et al. **J Oral Med** 1986 Apr–Jun; 41(2):75–8, 133

The detection of IgA–reticulin antibodies and their incidence in patients with recurrent aphthae. Merchant NE, et al. **J Oral Med** 1986 Jan–Mar;41(1):31–4

Lymphocyte function in recurrent aphthous ulceration. Greenspan JS, et al. **J Oral Pathol** 1985 Sep;14(8):592–602

Expression of class I and class II major histocompatibility complex antigens on epithelial cells in recurrent aphthous stomatitis. Savage NW, et al. **J Oral Pathol** 1986 Apr; 15(4):191–5

[Study of a specific rosette test of lymphocytes in patients with recurrent aphthae ulcer] Du DS.
Chung Hua Kou Chiang Ko Tsa Chih 1985 May; 20(3):138–40, 189–90 (Eng. Abstr.) **(Chi)**

[Preliminary study on T gamma cell assay in recurrent aphthous ulcer, Behcet's disease and lichen planus] Zheng JL. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Jul; 20(4):236–8 **(Chi)**

[Recurrent aphthous stomatitis and HLA-DR7 antigen: a possible association] Gallina G, et al. **Minerva Stomatol** 1985 Sep–Oct;34(5):735–40 (Eng. Abstr.) **(Ita)**

[Changes in the body reactivity of patients with chronic recurrent aphthous stomatitis using different treatment methods] Klishevich TS. **Stomatologiia (Mosk)** 1985 May–Jun;64(3):22–5 (Eng. Abstr.) **(Rus)**

[Comparative immunopathologic study of oral aphthae, non-involved mucosa from aphthae patients, healthy mucosa and trauma-induced ulcers] Barnadas M, et al.
Med Cutan Ibero Lat Am 1985;13(5):391–9 (Eng. Abstr.) **(Spa)**

NURSING

[Traditional Chinese medicine care of patients with stomatitis] Chang YH. **Chung Hua Hu Li Tsa Chih** 1986 Jul;21(4):161–2 **(Chi)**

OCCURRENCE

The occurrence of recurrent aphthous ulcers in an adult Swedish population. Axéll T, et al. **Acta Odontol Scand** 1985 May;43(2):121–5

PATHOLOGY

Sutton's aphthae and Behçet's syndrome. Mittal R, et al.
Indian J Dermatol 1985 Jan;30(1):17–21

[Crohn disease diagnosed by oral biopsy from an aphthous ulcer] Brennum J, et al. **Nord Med** 1986;101(4):131 (Eng. Abstr.) **(Dan)**

[Sutton's periadenitis mucosa necrotica recurrens. An optical–ultrastructural case study] Hernandez G, et al.
Rev Stomatol Chir Maxillofac 1985;86(6):429–33 (Eng. Abstr.) **(Fre)**

[Aphthous ulcers and their syndromes] Gómez ML, et al.
Med Cutan Ibero Lat Am 1986;14(1):55–62 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Recurrent aphthous stomatitis. Rennie JS, et al.
Br Dent J 1985 Dec 7;159(11):361–7 (97 ref.)

THERAPY

Practical therapy for aphthous stomatitis. Fishman HC.
Cutis 1985 Dec;36(6):479–80

STOMATITIS, DENTURE see under **STOMATITIS**

STOMATITIS, GANGRENOUS see **NOMA**

STOMATITIS, HERPETIC

COMPLICATIONS

Herpes simplex in the dental office. Saginur R, et al.
Can Dent Assoc J 1986 Aug;52(8):700–1

Multiple recurrence of oral erythema multiforme after secondary herpes simplex: report of case and review of literature. Nesbit SP, et al. **J Am Dent Assoc** 1986 Mar; 112(3):348–52

Oral cancer induced in hamsters with herpes simplex infection and simulated snuff dipping. Park NH, et al.
Oral Surg Oral Med Oral Pathol 1986 Aug;62(2):164–8

DIAGNOSIS

Undiagnosed oral herpes in immunosuppressed patients. Zysset MK, et al. **J Oral Med** 1986 Apr–Jun;41(2):70–4

[Serological and cytological diagnosis of herpetic stomatitis] Afrapetov LS, et al. **Stomatologiia (Mosk)** 1985 Nov–Dec; 64(6):18–9 (Eng. Abstr.) **(Rus)**

[Comparative diagnosis of recurrent herpetic stomatitis by the methods of immunofluorescence and direct electron microscopy] Sosnin GP, et al. **Stomatologiia (Mosk)** 1985 Jul–Aug;64(4):25–7 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Drug resistance patterns of herpes simplex virus isolates from patients treated with acyclovir. McLaren C, et al.
Antimicrob Agents Chemother 1985 Dec;28(6):740–4

Herpetic stomatitis and acyclovir therapy in cyclosporin A treated renal graft recipients. Offermann G.
Scand J Urol Nephrol [Suppl] 1985;92:29–31

[Treatment of a herpetic gingivostomatitis with acyclovir (Zovirax) in a female patient in the last trimester of pregnancy] Landthaler M, et al. **Hautarzt** 1985 Aug; 36(8):478–80 (Eng. Abstr.) **(Ger)**

[Comparative assessment of the effectiveness of antiviral agents used for the therapy of recurrent herpetic stomatitis] Latysheva SV. **Stomatologiia (Mosk)** 1985 May–Jun; 64(3):25–7 (Eng. Abstr.) **(Rus)**

[Treatment of the exacerbations of recurrent herpetic stomatitis in children] Mel'nichenko EM.
Stomatologiia (Mosk) 1985 Nov–Dec;64(6):19–21 (Eng. Abstr.) **(Rus)**

ETIOLOGY

A long-term prospective clinical study of orofacial herpes simplex virus infection in acute leukemia. Barrett AP.
Oral Surg Oral Med Oral Pathol 1986 Feb;61(2):149–52

Oral herpes simplex infection in bullous pemphigoid. Grattan CE, et al. **Oral Surg Oral Med Oral Pathol** 1986 Jan; 61(1):40–3

Chronic intraoral herpes simplex infection in renal transplant recipients. Toback AC, et al. **Transplant Proc** 1986 Aug; 18(4):966–9

FAMILIAL & GENETIC

Chromosomal breaks and sister chromatid exchanges (SCE) in patients with herpetic stomatitis. Zervou-Valvi F, et al. **J Oral Pathol** 1986 Mar;15(3):151–4

IMMUNOLOGY

Human antibody response to herpes simplex virus-specific polypeptides after primary and recurrent infection. Kahlon J, et al. **J Clin Microbiol** 1986 Apr;23(4):725–30

[Immunological reactivity of patients with recurrent herpetic stomatitis] Latysheva SV, et al. **Stomatologiia (Mosk)** 1986 Jan–Feb;65(1):22–3 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Recurrent intraoral herpes simplex virus infection. Yura Y, et al. **Int J Oral Maxillofac Surg** 1986 Aug;15(4):457–63

OCCURRENCE

The incidence of oral herpes simplex virus infection in patients undergoing cancer chemotherapy. Montgomery MT, et al. **Oral Surg Oral Med Oral Pathol** 1986 Mar; 61(3):238–42

PATHOLOGY

Recurrent herpetic ulceration—a clinico-cytologic study. Chawda JG, et al. **Ann Dent** 1985 Winter;44(2):27–31

The value of exfoliative cytology in the diagnosis of oral herpes simplex infection in immunosuppressed patients. Barrett AP, et al. **Oral Surg Oral Med Oral Pathol** 1986 Aug;62(2):175–8

[Cytological study of oral mucosal lesions caused by herpes simplex virus I] Sha YQ.
Chung Hua Kou Chiang Ko Tsa Chih 1984 Dec;19(4):213–5 **(Chi)**

THERAPY

Treatment of mucocutaneous herpes simplex infections. Seidlin M, et al. **Clin Dermatol** 1984 Apr–Jun;2(2):100–16 (147 ref.)

VETERINARY

Herpesvirus-like infection in Argentine tortoises. Jacobson ER, et al. J Am Vet Med Assoc 1985 Dec 1;187(11):1227-9

STOMATITIS, ULCERATIVE see GINGIVITIS, NECROTIZING ULCERATIVE

STOMATOGNATHIC SYSTEM

[Status of the organ of mastication in a selected group of university students in Poland] Rump Z.
Ann Acad Med Stetin 1985;31:197-220 (Eng. Abstr.) (Pol)

ANATOMY & HISTOLOGY

Architecture of the masticatory apparatus in eastern raccoons (Procyon lotor lotor). Gorniak GC. Am J Anat 1986 Jul; 176(3):333-51

[Anatomical and functional originality of the masticatory system] Raphaël B, et al. Ann Chir Plast Esthet 1986; 31(1):11-7 (Eng. Abstr.) (Fre)

EMBRYOLOGY

Morphogenetic aspects of the stomatognathic apparatus development in the rat. Marchetti C, et al.
Bull Group Int Rech Sci Stomatol Odontol 1985 Jul; 28(2):119-27

GROWTH & DEVELOPMENT

Twin studies in craniofacial genetics: a review. Nakata M. Acta Genet Med Gemellol (Roma) 1985;34(1-2):1-14 (117 ref.)

METABOLISM

[Uptake and distribution of Zn-65 in the masticatory system of albino rats] Kwapińska H. Folia Med Cracov 1986; 27(1-2):103-16 (Eng. Abstr.) (Pol)

PHYSIOLOGY

Reproducibility of a palpation test for the stomatognathic system. Duinkerke AS, et al.
Community Dent Oral Epidemiol 1986 Apr;14(2):80-5

PHYSIOPATHOLOGY

[Morphofunctional condition of the maxillodental system of preschoolers with a deep prognathic bite] Persin LS, et al. Stomatologiia (Mosk) 1985 Jul-Aug;64(4):57-9 (Eng. Abstr.) (Rus)

STOREROOMS see MATERIALS MANAGEMENT, HOSPITAL

STRABISMUS

see related
ORTHOPTICS

Convergent strabismic amblyopia in cats. Crewther SG, et al. Exp Brain Res 1985;60(1):1-9

Squint. Sachdev MS, et al. Indian Pediatr 1986 Jul; 23(7):529-32

Pediatric ophthalmology and strabismus.
Trans New Orleans Acad Ophthalmol 1986;:1-546

CLASSIFICATION

Characteristics of exodeviations: I. A comparison of three classes. Daum KM. Am J Optom Physiol Opt 1986 Apr; 63(4):237-43

COMPLICATIONS

Vision function recovery during orthoptic therapy in an adult esotropic amblyope. Selenow A, et al.
J Am Optom Assoc 1986 Feb;57(2):132-40

Adult-onset cyclic esotropia and optic atrophy. Frenkel RE, et al. J Clin Neuro Ophthalmol 1986 Mar;6(1):27-30

Studies of strabismus and amblyopia in infant monkeys. Boothe RG, et al. J Pediatr Ophthalmol Strabismus 1985 Sep-Oct;22(5):206-12

Different rates and amounts of vision function recovery during orthoptic therapy in an older strabismic amblyope. Hokoda SC, et al. Ophthalmic Physiol Opt 1986;6(2):213-20

[Indications and limitations of occlusion in the early treatment of strabismic amblyopia] Lobstein-Henry Y, et al.
Bull Soc Ophtalmol Fr 1985 Jan;85(1):91-2, 95-7 (Eng. Abstr.) (Fre)

DIAGNOSIS

Photorefraction: a useful tool to detect small angle strabismus. Abrahamsson M, et al.
Acta Ophthalmol (Copenh) 1986 Feb;64(1):101-4

Stereopsis in normal infants and infants with congenital esotropia. Archer SM, et al. Am J Ophthalmol 1986 May 15;101(5):591-6

Ocular abnormalities in the Freeman-Sheldon syndrome. O'Keefe M, et al. Am J Ophthalmol 1986 Sep 15; 102(3):346-8

Clinical comparison of congenital or early onset paretic vertical strabismus vs. acquired paretic vertical strabismus. Rutstein RP, et al. Am J Optom Physiol Opt 1985 Nov; 62(11):725-31

Acute acquired comitant esotropia. Goldman HD, et al.
Ann Ophthalmol 1985 Dec;17(12):777-8

Prediction of amblyopia and squint by means of refraction at age 1 year. Ingram RM, et al. Br J Ophthalmol 1986 Jan;70(1):12-5

Rapid strabismus screening for the pediatrician. Cibis GW, et al. Clin Pediatr (Phila) 1986 Jun;25(6):304-7

Squint. Sachdev MS, et al. Indian Pediatr 1986 Jul; 23(7):529-32

Quantitative evaluation of the strabismus patient. Metz HS. Int Ophthalmol Clin 1985 Winter;25(4):13-36

A new method for determining squint angle in primary and all secondary positions using the first and fourth Purkinje images. Effert R. Ophthalmology 1986 Apr;93(4):436-41

A new method to perform the cover test. Effert R, et al. Ophthalmology 1986 Apr;93(4):433-5

Magnetic resonance images in a case of "divergence paralysis". Stern RM, et al. Surv Ophthalmol 1986 May-Jun; 30(6):397-401

[Pencil points--modification of the contact test for examining stereopsis] Fila K. Cesk Oftalmol 1985 Sep;41(5):342-3 (Eng. Abstr.) (Cze)

[Pitfalls in the diagnosis of oculomotor disorders in children] Safran AB. Annee Ther Clin Ophtalmol 1984;35:195-201 (Eng. Abstr.) (Fre)

[Comparison between the chromatic thresholds of the amblyopic and the dominant eye in strabismus patients] Sucs FE. Fortschr Ophthalmol 1986;83(3):353-6 (Eng. Abstr.) (Ger)

[Attention shifting and dissociated vertical squint] Rüssmann W, et al. Klin Monatsbl Augenheilkd 1986 Mar;188(3):245-7 (Eng. Abstr.) (Ger)

[Clinical characteristics of divergent concomitant strabismus] Dzelkaleia IIa. Oftalmol Zh 1985;(7):437-9 (Rus)

[Testing binocular vision using colored light filters] Kashchenko TP, et al. Oftalmol Zh 1985;(8):498-500 (Eng. Abstr.) (Rus)

[Dispensary care results with young children at risk for strabismus and amblyopia] Silukh VA. Oftalmol Zh 1986; (1):18-21 (Eng. Abstr.) (Rus)

[Method of detecting bifixation] Sergienko NM, et al.
Vestn Oftalmol 1985 Sep-Oct;101(5):37-9 (Eng. Abstr.) (Rus)

DRUG THERAPY

Treatment of strabismus in adults with botulinum toxin A. Elston JS, et al. Br J Ophthalmol 1985 Oct;69(10):718-24

Paralytic strabismus: the role of botulinum toxin. Elston JS, et al. Br J Ophthalmol 1985 Dec;69(12):891-6

Sausages and squints [editorial] Fells P. Br J Ophthalmol 1985 Oct;69(10):717

Botulinum-A toxin for ocular muscle disorders [editorial] Lancet 1986 Jan 11;1(8472):76-7

Botulinum-A toxin for ocular muscle disorders [letter] Elston JS. Lancet 1986 Feb 1;1(8475):265-6

Botulinum toxin therapy for strabismus and blepharospasm: Bascom Palmer Eye Institute experience. Flynn JT, et al. Trans New Orleans Acad Ophthalmol 1986;:73-88

Botulinum toxin injections in strabismus. Jampolsky A. Trans New Orleans Acad Ophthalmol 1986;:526-36

[Use of botulinum toxin in ophthalmology] Huber A, et al. Klin Monatsbl Augenheilkd 1986 Feb;188(2):89-94 (Eng. Abstr.) (Ger)

ETIOLOGY

Unilateral esotropia after enucleation in infancy [letter] Kushner BJ. Am J Ophthalmol 1985 Nov 15;100(5):744-5

Unilateral esotropia after enucleation in infancy [letter] Metz HS. Am J Ophthalmol 1985 Dec 15;100(6):859-60

Congenital myopic esotropia: a case study. Thorn F, et al. Am J Optom Physiol Opt 1986 Jan;63(1):80-3

Posttraumatic convergence insufficiency. Krohel GB, et al. Ann Ophthalmol 1986 Mar;18(3):101-2, 104

Primary-position hypotropia after anterior transposition of the inferior oblique. Bremer DL, et al.
Arch Ophthalmol 1986 Feb;104(2):229-32

Acquired Brown's syndrome: an unusual cause.
Booth-Mason S, et al. Br J Ophthalmol 1985 Oct; 69(10):791-4

The role of ocular torsion on the etiology of A and V patterns. Kushner BJ. J Pediatr Ophthalmol Strabismus 1985 Sep-Oct;22(5):171-9

The fat adherence syndrome and strabismus after retina surgery. Wright KW. Ophthalmology 1986 Mar;93(3):411-5

[Eye manifestations of trisomy 21. Study of 53 cases and review of the literature] Journel H, et al.
Ann Pediatr (Paris) 1986 May;33(5):387-92 (Eng. Abstr.) (Fre)

[Ophthalmological symptoms of infantile cerebral palsy] Gnad H, et al. Wien Klin Wochenschr 1985 Oct 11; 97(19):749-52 (Eng. Abstr.) (Ger)

[Non-paralytic pontine exotropia] Komiyama A, et al.
Rinsho Shinkeigaku 1985 Nov;25(11):1311-5 (Eng. Abstr.) (Jpn)

[Disorders of position and movement of the eyeballs after the operation for retinal detachment] Hruby K.
Klin Oczna 1986 Jan;88(1):19-20 (Eng. Abstr.) (Pol)

[Pathogenesis of hyperfunction of the inferior oblique muscles in esotropia] Kalachev II, et al. Vestn Oftalmol 1985 Sep-Oct;101(5):41-4 (Eng. Abstr.) (Rus)

FAMILIAL & GENETIC

[Role of heredity in concomitant strabismus] Ayberk N, et al. Bull Soc Ophtalmol Fr 1985 Mar;85(3):309-10 (Fre)

[The Stilling-Türk-Duane retraction syndrome] Reznikov IuE. Vestn Oftalmol 1985 Nov-Dec;101(6):66-8 (Rus)

[Ophthalmogenetic problems in concomitant strabismus. II. Contribution of ophthalmogenetic methods to the early diagnosis of concomitant strabismus] Gerinec A, et al.
Cesk Oftalmol 1986 May;42(3):167-73 (Eng. Abstr.) (Slo)

[Ophthalmogenetic problems of concomitant strabismus: I. Concomitant strabismus and heredity] Gerinec A.
Cesk Oftalmol 1986 May;42(3):161-6 (Eng. Abstr.) (Slo)

OCCURRENCE

Mass screening of children for strabismus or ametropia with two-flash photoskiascopy. Kaakinen K, et al.
Acta Ophthalmol (Copenh) 1986 Feb;64(1):105-10

Incidence of strabismus in neonates. Nixon RB, et al.
Am J Ophthalmol 1985 Dec 15;100(6):798-801

[Current epidemiology of strabismic amblyopia in France] Quere MA, et al. J Fr Ophtalmol 1985;8(6-7):487-96 (Eng. Abstr.) (Fre)

PATHOLOGY

Topographical aspects of the insertions of the extraocular muscles. Souza-Dias C, et al.
J Pediatr Ophthalmol Strabismus 1986 Jul-Aug;23(4):183-9

PHYSIOPATHOLOGY

The longitudinal horopter in exotropia. Reading RW.
Acta Ophthalmol (Copenh) 1985 Dec;63(6):712-5

Abnormal sensory findings secondary to monocular cataracts in children and strabismic adults. Kushner BJ.
Am J Ophthalmol 1986 Sep 15;102(3):349-52

Divergence paralysis as the initial sign in the Miller Fisher syndrome. Pinchoff BS, et al. Am J Ophthalmol 1986 Jun 15;101(6):741-2

Adaptation to lens-induced heterophorias. North R, et al. Am J Optom Physiol Opt 1985 Nov;62(11):774-80

Objective evaluation of sensorial and sensorimotorial status in esotropia: their importance in surgical prognosis. Bagolini B. Br J Ophthalmol 1985 Oct;69(10):725-8

The magician's forceps phenomenon in exotropia under general anaesthesia. Tamura O, et al. Br J Ophthalmol 1986 Jul;70(7):549-52

Monocular and binocular visual fields in different types of strabismus. Mahendrastari R, et al.
Bull Soc Belge Ophtalmol 1986;213:77-81

Determinations of the horopter in esotropia. Reading RW.
Doc Ophthalmol 1985 Nov 15;61(2):175-81

Binocular summation in normal, monocularly deprived, and strabismic cats: visual evoked potentials. Sclar G, et al.
Exp Brain Res 1986;62(1):1-10

Interhemispheric transmission delays in human strabismics. St. John R, et al. Ham Neurobiol 1986;5(2):97-103

Functional differences between free alternators and non-alternators successfully treated for strabismic amblyopia. Campos EC, et al. Int Ophthalmol 1986 May; 9(2-3):191-4

Intermittent exotropia. Burke MJ. Int Ophthalmol Clin 1985 Winter;25(4):53-68

Monocular acuity and stereopsis in infantile esotropia. Birch EE, et al. Invest Ophthalmol Vis Sci 1985 Nov; 26(11):1624-30

Fusional responses of strabismics to foveal and extrafoveal stimulation. Boman DK, et al.
Invest Ophthalmol Vis Sci 1985 Dec;26(12):1731-9

Effects of enucleation of the fixating eye on strabismic amblyopia in monkeys. Harwerth RS, et al.
Invest Ophthalmol Vis Sci 1986 Feb;27(2):246-54

The management of esotropia with high AC/A ratio (convergence excess). Pratt-Johnson JA, et al.
J Pediatr Ophthalmol Strabismus 1985 Nov-Dec; 22(6):238-42

Preferential-looking acuity and stereopsis in infantile esotropia. Stager DR, et al.
J Pediatr Ophthalmol Strabismus 1986 Jul-Aug;23(4):160-5

Congenital, latent and manifest latent nystagmus--similarities, differences and relation to strabismus. Dell'Osso LF. Jpn J Ophthalmol 1985; 29(4):351-68

Lateral short-term prism adaptation in clinical evaluation. Pickwell LD, et al. Ophthalmic Physiol Opt 1986;6(1):67-73

Orthoptic effects on accommodation and related visual functions in an adult alternating esotrope. Schnider CM, et al. Ophthalmic Physiol Opt 1985;5(4):425-33

Heterophoria: a vergence adaptive position. Sethi B.
Ophthalmic Physiol Opt 1986;6(2):151-6

Accommodative esotropia. Helveston EM.
Trans New Orleans Acad Ophthalmol 1986;:111-8

Simultaneous binocular integration of the visual tilt effect in normal and stereoblind observers. Marzi CA, et al.
Vision Res 1986;26(3):477-83

[Hyperaction of the inferior oblique muscles in ophthalmologic practice] Catros A, et al.
Bull Soc Ophtalmol Fr 1985 Jun-Jul;85(6-7):749-53 (Eng. Abstr.) (Fre)

[Clinical and therapeutic triad of strabismic amblyopia] Pigassou-Albouy R. Bull Soc Ophtalmol Fr 1985 Apr;

85(4):511–6 (Fre)
[Clinical examination in our understanding of strabismus] Pigassou Albouy R. **Bull Soc Ophtalmol Fr** 1985 Apr; 85(4):451–6 (Fre)
[Statistical study of the basic angle and intensity of spasm in functional esotropia (surgical consequences)] Quere MA, et al. **J Fr Ophtalmol** 1985;8(3):255–61 (Eng. Abstr.) (Fre)
[An electromyographic analysis of paralytic strabismus: antagonistic muscle contracture and reciprocal innervation disorder] Kimura H, et al. **Nippon Ganka Gakkai Zasshi** 1986 Feb;90(2):308–12 (Eng. Abstr.) (Jpn)

PREVENTION & CONTROL

A first attempt to prevent amblyopia and squint by spectacle correction of abnormal refractions from age 1 year. Ingram RM, et al. **Br J Ophthalmol** 1985 Nov;69(11):851–3
[Potentials of a system for preventing strabismus] Kovalevskii EI, et al. **Vestn Oftalmol** 1986 Jan–Feb;102(1):45–9 (Eng. Abstr.) (Rus)

PSYCHOLOGY

Maldevelopment of visual motion processing in humans who had strabismus with onset in infancy. Tychsen L, et al. **J Neurosci** 1986 Sep;6(9):2495–508
[Can we verify the psychomotor theory of strabismus?] Berrondo P. **Bull Soc Ophtalmol Fr** 1985 Jun–Jul; 85(6–7):829–31 (Eng. Abstr.) (Fre)

SURGERY

Muscle inclusion cyst as a complication of strabismus surgery. Cibis GW, et al. **Am J Ophthalmol** 1985 Nov 15; 100(5):740–1
A marking suture for use in adjustable strabismus surgery. Clorfeine GS, et al. **Am J Ophthalmol** 1986 May 15; 101(5):614–5
A simple technique to tighten loose sutures during strabismus surgery. Kushner BJ. **Am J Ophthalmol** 1986 Jan 15; 101(1):123
Sustained increases in intraocular pressure during strabismus surgery. Raizman MB, et al. **Am J Ophthalmol** 1986 Mar 15;101(3):308–9
Ventilation and the oculocardiac reflex. Prevention of oculocardiac reflex during surgery for squints: role of controlled ventilation and anticholinergic drugs. Mirakhur RK, et al. **Anaesthesia** 1986 Aug;41(8):825–8
Effect of droperidol pretreatment on postanesthetic vomiting in children undergoing strabismus surgery. Lerman J, et al. **Anesthesiology** 1986 Sep;65(3):322–5
Management of large-angle esotropia. Goldstein JH. **Ann Ophthalmol** 1985 Nov;17(11):677–8
Reoperations in esotropia surgery. Kittleman WT, et al. **Ann Ophthalmol** 1986 May;18(5):174–7
Hyphema as a complication of strabismus surgery in an aphakic eye [letter] Keszei VA, et al. **Arch Ophthalmol** 1986 May;104(5):637–8
Surgery for large-angle congenital esotropia. Two vs three and four horizontal muscles. Scott WE, et al. **Arch Ophthalmol** 1986 Mar;104(3):374–7
Comparison of four non-depolarizing neuromuscular blocking drugs in the suppression of the oculocardiac reflex during strabismus surgery in children. Karhunen U, et al. **Br J Anaesth** 1985 Dec;57(12):1209–12
A study to assess the value of Dacron slings in the management of squints which are not amenable to conventional surgery. Clark DI, et al. **Br J Ophthalmol** 1986 Aug;70(8):623–9
Elevating the hypotropic globe. Lee JP, et al. **Br J Ophthalmol** 1986 Jan;70(1):26–32
Nausea and vomiting after strabismus surgery in preschool children. Hardy JF, et al. **Can Anaesth Soc J** 1986 Jan; 33(1):57–62
Four-muscle surgery for infantile esotropia with V-pattern. Kraft SP, et al. **Can J Ophthalmol** 1986 Jun;21(4):125–9
Check ligaments: surgical effects in infantile esotropia. Noel LP, et al. **Can J Ophthalmol** 1986 Feb;21(1):7–9
Treatment of A–V syndrome. Liu JQ, et al. **Chin Med J [Engl]** 1985 Aug;98(8):555–60
Surgical correction of convergent strabismus: its relationship to prism compensation. Bagolini B, et al. **Doc Ophthalmol** 1986 May 15;62(4):309–24
Squint surgery in patients with Graves' ophthalmopathy. Maillette de Buy Wenniger-Prick LJ, et al. **Doc Ophthalmol** 1986 Jan 15;61(3–4):219–21
Guarded recession surgical procedure in horizoetal concomitant squint surgery. Sathe SM, et al. **Indian J Ophthalmol** 1983;31 Suppl:1016–8
Strabismus surgery. **Int Ophthalmol Clin** 1985 Winter; 25(4):1–186
Management of reoperations in strabismus surgery. Eggers HM, et al. **Int Ophthalmol Clin** 1985 Winter;25(4):161–9
Management of infantile esotropia. Friendly DS. **Int Ophthalmol Clin** 1985 Winter;25(4):37–52
The posterior fixation procedure: mechanism and indications. Guyton DL. **Int Ophthalmol Clin** 1985 Winter;25(4):79–88
Anatomical considerations in strabismus surgery. Kushner BJ. **Int Ophthalmol Clin** 1985 Winter;25(4):1–12
The adjustable suture technique in strabismus surgery. Nelson LB, et al. **Int Ophthalmol Clin** 1985 Winter;25(4):89–105
Inferior oblique weakening procedures. Parks MM. **Int Ophthalmol Clin** 1985 Winter;25(4):107–17
Dissociated vertical deviation. Raab EL. **Int Ophthalmol Clin** 1985 Winter;25(4):119–31
Complications following strabismus surgery. Wagner RS, et al. **Int Ophthalmol Clin** 1985 Winter;25(4):171–8
Combined intraocular lens and strabismus surgery. Maltzman BA, et al. **J Cataract Refract Surg** 1986 Jan;12(1):65–9
Anterior segment ischemia syndrome following muscle surgery: the AAPO&S experience. France TD, et al. **J Pediatr Ophthalmol Strabismus** 1986 Mar–Apr; 23(2):87–91
Infantile esotropia: results in the neurologic impaired and "normal" child at NCMH (six years).Holman RE, et al. **J Pediatr Ophthalmol Strabismus** 1986 Jan–Feb;23(1):41–5
Stuttering as a complication of strabismus surgery. Jones ST. **J Pediatr Ophthalmol Strabismus** 1986 Jan–Feb;23(1):38–40
A comparison of the succinylcholine induced ocular position and the postoperative alignment in strabismus. Lingua RW, et al. **J Pediatr Ophthalmol Strabismus** 1986 Mar–Apr; 23(2):69–73
Reliability and variability in the measurement of interlimbal distance with a semiautomated video replay analysis system (SAVRAS). Lingua RW, et al. **J Pediatr Ophthalmol Strabismus** 1986 Mar–Apr;23(2):74–9
Intraocular pressure variation during strabismus surgery. Peter J, et al. **J Pediatr Ophthalmol Strabismus** 1986 Mar–Apr;23(2):98–100
Efficacy of different techniques of superior oblique weakening in the correction of the "A" anisotropia. Souza-Dias C, et al. **J Pediatr Ophthalmol Strabismus** 1986 Mar–Apr;23(2):82–6
Results of large single medial rectus recession. Zak TA. **J Pediatr Ophthalmol Strabismus** 1986 Jan–Feb;23(1):17–21
Inferior oblique advancement for "A" pattern esotropia. Goldstein JH. **Ophthalmic Surg** 1986 Jul;17(7):412–4
Ocular rotation as a tool for superior oblique tendon exposure. Feretis D, et al. **Ophthalmologica** 1985; 191(4):227–9
Adjustable sutures in strabismus. Crawford JS. **Trans New Orleans Acad Ophthalmol** 1986;:501–16
The adjustable suture: a clinician's experience. Flynn JT. **Trans New Orleans Acad Ophthalmol** 1986;:245–56
Problems in strabismus management. Flynn JT. **Trans New Orleans Acad Ophthalmol** 1986;:449–60
Esotropia in the first year of life. Helveston EM. **Trans New Orleans Acad Ophthalmol** 1986;:419–29
Complications of strabismus surgery. Helveston EM. **Trans New Orleans Acad Ophthalmol** 1986;:61–71
Strategies in strabismus surgery. Jampolsky A. **Trans New Orleans Acad Ophthalmol** 1986;:363–98
Treatment of exodeviations. Jampolsky A. **Trans New Orleans Acad Ophthalmol** 1986;:201–34
Management of vertical strabismus. Jampolsky A. **Trans New Orleans Acad Ophthalmol** 1986;:141–71
Monocular and binocular vision: expectations in treatment of strabismus. Parks MM. **Trans New Orleans Acad Ophthalmol** 1986;:431–48
Temporary surgical overcorrection of infantile esotropia. Scott WE. **Trans New Orleans Acad Ophthalmol** 1986; :399–407
Early experience with adjustable squint surgery at Moorfields Eye Hospital with long-term follow-up. Lee J, et al. **Trans Ophthalmol Soc UK** 1985;104 (Pt 6):662–74
Intracerebral hematoma after surgical correction of strabismus. Kim WO, et al. **Yonsei Med J** 1985;26(2):150–3
[Surgical treatment of squint] van Balen AT. **Ned Tijdschr Geneeskd** 1986 Feb 1;130(5):202–5 (Dut)
[Surgical correction of accommodative strabismus, a 20-year experience] Gobin MH, et al. **Bull Soc Belge Ophtalmol** 1984;210:107–12 (Eng. Abstr.) (Fre)
[Effects of surgery on the AC/A ratio in esotropia] Spiritus M, et al. **Bull Soc Belge Ophtalmol** 1984–85;212:13–25 (Eng. Abstr.) (Fre)
[Use of a microcomputer for the surgical planning of strabismus. I. Exotropia] Aflalo G. **Bull Soc Ophtalmol Fr** 1985 May;85(5):659–69 (Fre)
[Round table: Surgical treatment of strabismus, oculomotor paralysis and nystagmus] Berard PV, et al. **Bull Soc Ophtalmol Fr** 1984 Oct;84(10):1175–86 (Fre)
[Surgical treatment of A and V syndromes. Apropos of 300 cases] Bongard C, et al. **Bull Soc Ophtalmol Fr** 1985 May; 85(5):561–3 (Fre)
[The use of oblique recession of the internal rectus muscles in surgery of alphabetic syndromes] Malbrel C, et al. **Bull Soc Ophtalmol Fr** 1985 Jan;85(1):61–2 (Eng. Abstr.) (Fre)
[Surgical approach to the strabismus-cataract association] Malbrel C, et al. **Bull Soc Ophtalmol Fr** 1985 Jan; 85(1):99–100 (Eng. Abstr.) (Fre)
[Surgical treatment of pediatric esotropia] Remy C, et al. **Bull Soc Ophtalmol Fr** 1985 May;85(5):559–60 (Fre)
[Adjustable surgery in esotropia. Adjustable resection] Spielmann A. **Bull Soc Ophtalmol Fr** 1985 Jan;85(1):85–9 (Eng. Abstr.) (Fre)
[Myoglobin liberation by succinylbischoline in various anesthesia procedures in ophthalmologic surgery] Olthoff D, et al. **Anaesthesiol Reanim** 1986;11(3):147–52 (Eng. Abstr.) (Ger)
[Histopathological and histochemical study of tissue response to Faden operation and related surgeries. Report 2. Histochemical study of muscle fiber changes after Faden operation and related surgeries] Furuno K, et al. **Nippon Ganka Gakkai Zasshi** 1986 Apr;90(4):561–9 (Eng. Abstr.) (Jpn)
[Morphological changes in the oculomotor muscles after the surgical treatment of strabismus] Aubakirova AZh, et al. **Vestn Oftalmol** 1986 Mar–Apr;102(2):37–8 (Eng. Abstr.) (Rus)
[Oculocardiac reflex in strabismus surgery. Comparative study between atropine and retrobulbar block] Garcia Guasch MR, et al. **Rev Esp Anestesiol Reanim** 1985 Nov–Dec;32(6):284–7 (Eng. Abstr.) (Spa)

THERAPY

Characteristics of exodeviations: II. Changes with treatment with orthoptics. Daum KM. **Am J Optom Physiol Opt** 1986 Apr;63(4):244–51
Wide-field fusional stimulation in strabismus. Kertesz AE, et al. **Am J Optom Physiol Opt** 1986 Mar;63(3):217–22
The efficacy of visual therapy: accommodative disorders and non-strabismic anomalies of binocular vision. Suchoff IB, et al. **J Am Optom Assoc** 1986 Feb;57(2):119–25
Botulinum chemodenervation treatment of strabismus. Gammon JA, et al. **J Pediatr Ophthalmol Strabismus** 1985 Nov–Dec;22(6):221–6
Botulin in ophthalmology [letter] Dunlop D, et al. **Med J Aust** 1986 Feb 3;144(3):164
[Early treatment of strabismus] Pigassou-Albouy R. **Ann Pediatr (Paris)** 1986 May;33(5):443–7 (Eng. Abstr.) (Fre)
[Sector designs in 1983] Berrondo P. **Bull Soc Ophtalmol Fr** 1985 May;85(5):671–8 (Eng. Abstr.) (Fre)
[Evaluation of the treatment of convergence insufficiency] Oguz V, et al. **Bull Soc Ophtalmol Fr** 1985 Mar;85(3):311–2 (Fre)
[Treatment of strabismus with focused prisms in 1984] Albouy RP. **Doc Ophthalmol** 1985 Aug 15;60(1):45–69 (Eng. Abstr.) (Fre)
[The treatment of eye muscle diseases with botulinum toxin] Lang J. **Klin Monatsbl Augenheilkd** 1985 Jun;186(6):453–4 (Eng. Abstr.) (Ger)
[Modern therapy of strabismus] Rüssmann W. **Med Monatsschr Pharm** 1985 Sep;8(9):258–63 (Ger)
[Therapeutic results in accommodative strabismus] Petria I, et al. **Rev Chir [Oftalmol]** 1986 Apr–Jun;30(2):135–42 (Eng. Abstr.) (Rum)
[Electrostimulation of the oculomotor muscles in the combined treatment of concomitant strabismus] Luchik VI, et al. **Oftalmol Zh** 1986;(3):185–6 (Rus)
[Fusion capacity in evaluation of the late results of treatment of concomitant strabismus] Kashchenko TP, et al. **Vestn Oftalmol** 1985 Sep–Oct;101(5):39–41 (Eng. Abstr.) (Rus)

STRAMONIUM

Anisocoria from jimsonweed [letter] Savitt DL, et al. **JAMA** 1986 Mar 21;255(11):1439–40
Datura poisoning—the Angel's Trumpet. Hayman J. **Pathology** 1985 Jul;17(3):465–6
[Thornapple poisoning (letter)] Mebs D, et al. **Dtsch Med Wochenschr** 1986 May 9;111(19):762 (Ger)

STRATIGRAPHY, X-RAY see **TOMOGRAPHY, X-RAY**

STREET DRUGS see under **DRUGS**

STREET PEOPLE see **HOMELESS PERSONS**

STREETER SYNDROME see **AMNIOTIC BAND SYNDROME**

STREPTOBACILLUS

DRUG EFFECTS

Characterisation and antibiotic susceptibilities of Streptobacillus moniliformis. Edwards R, et al. **J Med Microbiol** 1986 Feb;21(1):39–42

ISOLATION & PURIFICATION

Streptobacillus moniliformis endocarditis. A case report. Simon MW, et al. **Clin Pediatr (Phila)** 1986 Feb;25(2):110–1

STREPTOCOCCACEAE

CLASSIFICATION

Differentiation of Gemella haemolysans (Thjøtta and Bøe 1938) Berger 1960, from Streptococcus morbillorum (Prevot 1933) Holdeman and Moore 1974. Berger U, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 May; 261(3):311–21

DRUG EFFECTS

In vivo target of benzylpenicillin in Gaffkya homari. Wrezel PW, et al. **Antimicrob Agents Chemother** 1986 Mar; 29(3):432–9
Effects of dietary chlortetracycline on the antimicrobial resistance of porcine faecal streptococcaceae. Molitoris E, et al. **J Appl Bacteriol** 1986 Feb;60(2):111–20

ISOLATION & PURIFICATION

Prevalence of Gemella haemolysans on the pharyngeal mucosa of man. Berger U.
Med Microbiol Immunol (Berl) 1985;174(5):267–74

METABOLISM

Manganese: its acquisition by and function in the lactic acid bacteria. Archibald F. **CRC Crit Rev Microbiol** 1986; 13(1):63–109 (332 ref.)

PHYSIOLOGY

Inhibition of small intestinal colonization of enterotoxigenic Escherichia coli by streptococcus faecium M74 in pigs. Ushe TC, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Dec;181(3–5):374–82

STREPTOCOCCAL INFECTIONS

Streptococcus suis meningitis in man. First reported observation in Belgium. Colaert J, et al. **Acta Clin Belg** 1985;40(5):314–7

Review of group B streptococci and their infections. Onile BA. **Afr J Med Med Sci** 1985 Sep–Dec;14(3–4):131–43 (99 ref.)

Group G streptococcal endocarditis and bacteremia. Venezio FR, et al. **Am J Med** 1986 Jul;81(1):29–34

Streptococcus faecalis orbital cellulitis. Biedner BZ, et al. **Ann Ophthalmol** 1986 May;18(5):194–5

Neonatal group B streptococcal infections.
Antibiot Chemother 1985;35:1–348

GBS colonisation in mothers and babies. Easmon CS, et al. **Antibiot Chemother** 1985;35:28–39

GBS infections in mothers and their infants. Gray BM, et al. **Antibiot Chemother** 1985;35:225–36

Group B streptococcal infective endocarditis [letter] Domingo P, et al. **Arch Intern Med** 1985 Dec;145(12):2270

Streptococcal myositis [letter] Vlasveld LT, et al.
Arch Intern Med 1986 May;146(5):1017

Endophthalmitis and bacterial endocarditis [letter] Lipton JL, et al. **Br J Hosp Med** 1986 May;35(5):352

Brain-abscess caused by Streptococcus bovis. Montejo Baranda M, et al. **Eur J Clin Microbiol** 1985 Dec;4(6):595–6

Streptococcus bovis endocarditis presenting with gastrointestinal bleeding. Gordon MJ, et al.
Gastrointest Endosc 1985 Dec;31(6):384–6

The natural history of streptococcal skin infection: prevention with topical antibiotics. Maddox JS, et al.
J Am Acad Dermatol 1985 Aug;13(2 Pt 1):207–12

Streptococcal pharyngitis in an adult emergency room population. Heckerling PS, et al. **J Fam Pract** 1985 Oct; 21(4):302, 305–7

Postpartum sepsis. Greene JW. **J Ky Med Assoc** 1986 Apr; 84(4):175

Capnocytophaga ochracea and group F beta-hemolytic streptococcus suppurative thyroiditis. Goudreau E, et al. **J Otolaryngol** 1986 Feb;15(1):59–61

Peracute streptococcal pyomyositis: report of two cases and review of the literature. Moore DL, et al.
J Pediatr Orthop 1986 Mar–Apr;6(2):232–5

Balanitis caused by group B streptococcus. Lucks DA, et al. **J Urol** 1986 May;135(5):1015

Group B streptococci: determinants of invasive neonatal infection. Boyer KM.
Mead Johnson Symp Perinat Dev Med 1982;(21):47–51 (36 ref.)

Long-term prognosis for endocapillary glomerulonephritis of poststreptococcal type in children and adults. Vogl W, et al. **Nephron** 1986;44(1):58–65

Acute necrotizing otitis media. Stiernberg CM, et al.
Otolaryngol Head Neck Surg 1986 Jun;94(5):648–51

Neonatal sepsis and meningitis due to Streptococcus equisimilis. Hervás JA, et al. **Pediatr Infect Dis** 1985 Nov–Dec;4(6):694–5

Brain abscess in children due to Streptococcus milleri. A report of 2 cases. de Moor MM, et al. **S Afr Med J** 1985 Oct 26;68(9):679–80

Treatment failure in acute streptococcal tonsillitis in children over the age of 10 and in adults. Roos K, et al.
Scand J Infect Dis 1985;17(4):357–65

Group F streptococci in the pharynx: pathogens or innocent bystanders? Schwartz RH, et al. **South Med J** 1986 Aug; 79(8):952–4

Pharyngitis. Steinbrook R. **West J Med** 1985 Oct; 143(4):534–6

[Septicemia caused by Arcanobacterium haemolyticum (Corynebacterium haemolyticum) and Streptococcus milleri] Dethy M, et al. **Acta Clin Belg** 1986;41(2):115–8 (Eng. Abstr.) (Fre)

[Neonatal Streptococcus group B sepsis: problems of early diagnosis, therapy and prevention] Kind C, et al.
Helv Paediatr Acta 1984 Dec;39(5–6):419–38 (50 ref.) (Eng. Abstr.) (Ger)

[A case of septic arthritis with a peculiar clinical presentation] Liotta M, et al. **Pediatr Med Chir** 1985 Nov–Dec;7(6):913–4 (Eng. Abstr.) (Ita)

[Pathogenic bacteria in acute appendicitis] Anargul K, et al. **Vestn Khir** 1985 Jun;134(6):53–5 (Eng. Abstr.) (Rus)

[Streptococcus group A bacteremia and pneumonia in a patient with carcinoma of the oropharynx (letter)] García Cors M, et al. **Med Clin (Barc)** 1986 Jan 18;86(2):85–6 (Spa)

[Clinical and laboratory study in acute post-streptococcal glomerulonephritis] Lagomarsino E, et al.
Rev Chil Pediatr 1985 Jan–Feb;56(1):20–6 (Eng. Abstr.) (Spa)

[Non-pneumococcal gram-positive cocci meningitis in the adult. Clinical study of 9 cases] Blanch Torra L, et al.
Rev Clin Esp 1986 May;178(8):392–5 (Eng. Abstr.) (Spa)

BLOOD

Streptococcus pneumoniae-induced alterations in levels of circulating thromboxane and prostacyclin: dissociation from granulocytopenia, thrombocytopenia, and pulmonary leukostasis. Goldblum SE, et al. **J Infect Dis** 1986 Jan; 153(1):71–7

COMPLICATIONS

Demonstration of streptococcal antigens produced in vivo and identification of a nephritis associated protein. Bergholm AM, et al.
Acta Pathol Microbiol Immunol Scand [B] 1985 Aug; 93(4):297–306

Immunosuppressive therapy and plasmapheresis in rapidly progressive glomerulonephritis associated with bacterial endocarditis. Rovzar MA, et al. **Am J Kidney Dis** 1986 May;7(5):428–33

Simultaneous occurrence of acute poststreptococcal glomerulonephritis and acute rheumatic fever. Said R, et al. **Am J Nephrol** 1986;6(2):146–8

"Mineral transporter" therapy for multiple sclerosis complicated by bacterial endocarditis. Brown JJ, et al.
Ann Neurol 1986 Feb;19(2):203

Acute poststreptococcal polymyalgia. Harats N, et al.
Ann Rheum Dis 1986 Jan;45(1):47–9

Frontal sinus abscess and secondary orbital cellulitis [letter] Watkinson JC, et al. **Br J Hosp Med** 1986 Jan;35(1):66

Significance of endostreptosin antibody titers in poststreptococcal glomerulonephritis. Seligson G, et al.
Clin Nephrol 1985 Aug;24(2):69–75

Sporadic pharyngitis-associated acute poststreptococcal nephritis. A four-year prospective clinical study of the acute episode. Khuffash FA, et al. **Clin Pediatr (Phila)** 1986 Apr;25(4):181–4

Synergistic necrotizing fasciitis: a case of polymicrobic infection with Acinetobacter calcoaceticus. Amsel MB, et al. **Curr Surg** 1985 Sep–Oct;42(5):370–2

Mitral valve aneurysm formation documented by cross-sectional echocardiography. Vandenbossche JL, et al. **Eur Heart J** 1986 Feb;7(2):171–5

Kawasaki disease with serological evidence of streptococcal infection [letter] Melamed I, et al. **Infection** 1986 Mar–Apr; 14(2):91–2

Enterococcal endocarditis in association with cancer of the colon: report of a case and review of the literature. Miller PM, et al. **J Am Osteopath Assoc** 1985 Nov;85(11):751–3 (21 ref.)

Unilateral septic cavernous sinus thrombosis. A case report with digital orbital venographic documentation. Fiandaca MS, et al. **J Clin Neuro Ophthalmol** 1986 Mar;6(1):35–8

Antibodies to basement membrane collagen and to laminin are present in sera from patients with poststreptococcal glomerulonephritis. Kefalides NA, et al. **J Exp Med** 1986 Mar 1;163(3):588–602

Infective endocarditis presenting with back pain and stroke [letter] Rhodes LE, et al. **J Infect** 1986 Mar;12(2):184–5

Acute epiglottitis in adults not due to haemophilus. Russell GA, et al. **J Laryngol Otol** 1985 Oct;99(10):1035–8

Streptococcus bovis endocarditis and bowel neoplasm. Murillo JL, et al. **J Med Soc NJ** 1985 Aug;82(8):665–6

Late rupture of a mycotic aneurysm after "cure" of bacterial endocarditis. Bamford J, et al. **J Neurol** 1986 Feb; 233(1):51–3

Glomerulonephritis following group C streptococcal infection [letter] Geiseler PJ. **J Pediatr** 1986 Jan;108(1):163

Septic arthritis in two teenaged hemophiliacs. Scott JP, et al. **J Pediatr** 1985 Nov;107(5):748–51

Management of vascular complications of bacterial endocarditis. Nakayama DK, et al. **J Pediatr Surg** 1986 Jul;21(7):636–9

Acute post-streptococcal glomerulonephritis without proteinuria. Hart DH, et al. **J R Soc Med** 1985 Oct; 78(10):842–3

Coincidence of acute rheumatic fever and acute post streptococcal glomerulonephritis. Castillejos G, et al.
J Rheumatol 1985 Jun;12(3):587–9

Bilateral lung abscess associated with a severe masticator space infection. Zaputowycz O, et al.
Oral Surg Oral Med Oral Pathol 1986 Apr;61(4):327–9

Group C streptococcal arthritis and osteomyelitis in an adolescent with a hereditary sensory neuropathy. Ascuitto R, et al. **Pediatr Infect Dis** 1985 Sep–Oct;4(5):553–4

Long-term outcome of group B streptococcal meningitis. Wald ER, et al. **Pediatrics** 1986 Feb;77(2):217–21

Streptococcus bovis bacteraemia requires rigorous exclusion of colonic neoplasia and endocarditis. Beeching NJ, et al. **Q J Med** 1985 Aug;56(220):439–50

Myocardial depression and nephrotic syndrome in Streptococcus sanguis endocarditis. Hackett D, et al.
Q J Med 1985 Dec;57(224):867–73

Post-streptococcal connective tissue disorders? Neithercut WD, et al. **Scott Med J** 1986 Jan;31(1):36

Leukocytosis in pharyngitis due to group A beta-hemolytic Streptococcus. Lund MH. **South Med J** 1986 Jul; 79(7):909–10

"Diabetic foot" complicated by pneumococcal cellulitis [letter] Plotkin GR, et al. **South Med J** 1986 Mar;79(3):390

Fever and petechiae in an infant with pneumococcal bacteremia [letter] Traisman ES, et al. **South Med J** 1986 Mar;79(3):390–1

Surgical treatment of mycotic popliteal artery aneurysm: a case report and review of the literature. Bonds JW Jr, et al. **Surgery** 1985 Nov;98(5):979–82

Infectious crystalline keratopathy. Reiss GR, et al.
Surv Ophthalmol 1986 Jul–Aug;31(1):69–72

[Neonatal septicemia caused by group B Streptococcus associated with right diaphragmatic hernia with delayed disclosure] Leclerc F, et al. **Ann Pediatr (Paris)** 1985 Oct; 32(8):719–23 (Eng. Abstr.) (Fre)

[Bacterial infections and early Plasmodium falciparum malaria] Lucht F, et al. **Bull Soc Pathol Exot Filiales** 1986; 79(2):213–6 (Eng. Abstr.) (Fre)

[Intraorbital abscess of dental origin in a child] Goudot P, et al. **Rev Stomatol Chir Maxillofac** 1986;87(2):115–8 (Eng. Abstr.) (Fre)

[Retropharyngeal abscess as a cause of acute cervical syndrome] Stevanovic L, et al.
Schweiz Rundsch Med Prax 1986 May 13;75(20):585–9 (Eng. Abstr.) (Ger)

[A case of a two-chambered right ventricle without ventricular septal defect complicating infective endocarditis] Ogino H, et al. **Kyobu Geka** 1985 Sep; 38(9):690–4 (Eng. Abstr.) (Jpn)

[Acute nasopharyngeal infection as a risk factor of rheumatism] Sentnepesov KN, et al. **Sov Med** 1985;(9):3–8 (Eng. Abstr.) (Rus)

[Streptococcal flora of the nasopharynx in rheumatism (a review of the literature)] Gorgota OV. **Vrach Delo** 1986 Mar;(3):39–43 (122 ref.) (Rus)

[Immunocomplexes in the blood of patients with acute poststreptococcal glomerulonephritis and steroid-sensitive nephrotic syndrome] Popović-Rolović M, et al.
Srp Arh Celok Lek 1986 Jan;114(1):39–53 (Eng. Abstr.) (Scc)

[Incidence of acute post-streptococcal glomerulonephritis in a hospital in Santiago, Chile, 1980–1989. Preliminary report] Berríos X, et al. **Bol Of Sanit Panam** 1986 Jun; 100(6):607–21 (Eng. Abstr.) (Spa)

[Pleural effusion as the first manifestation of a splenic abscess in the course of subacute endocarditis caused by an alpha-hemolytic streptococcus (letter)] Ferrer Monreal A, et al. **Med Clin (Barc)** 1985 Sep 14;85(7):298 (Spa)

[Tooth infection spreading to the abdominal cavity] Peterson CM, et al. **Lakartidningen** 1986 Feb 5;83(6):412–3 (Swe)

DIAGNOSIS

Group B streptococcal supraglottitis in a 3-month-old infant [letter] Lipson A, et al. **Am J Dis Child** 1986 May; 140(5):411–2

Streptococcal sepsis and death caused by empyema. Iscovich AL, et al. **Am J Emerg Med** 1986 Jan;4(1):28–30

Influence of vegetation size on clinical outcome of right-sided infective endocarditis. Robbins MJ, et al.
Am J Med 1986 Feb;80(2):165–71

Vertebral osteomyelitis caused by Streptococcus bovis. Robbins N, et al. **Am J Med Sci** 1986 Feb;291(2):128–9

Rapid diagnostic assay for strep throat. **Anal Chem** 1985 Nov; 57(13):1372A–1374A

Group A streptococcal peritonitis in in[illegible]acy. Serlo W, et al. **Ann Chir Gynaecol** 1985;74(4):183–4

Rapid diagnosis of group A strep pharyngitis in the emergency department. DuBois D, et al.
Ann Emerg Med 1986 Feb;15(2):157–9

Sore throat: to culture or not to culture. Hedges JR, et al. **Ann Emerg Med** 1986 Mar;15(3):312–6

The importance of disease prevalence in transporting clinical prediction rules. The case of streptococcal pharyngitis. Poses RM, et al. **Ann Intern Med** 1986 Oct;105(4):586–91

GBS infections in the newborn infant: diagnosis and treatment. Ferrieri P. **Antibiot Chemother** 1985;35:211–24

Transportability of a decision rule for the diagnosis of streptococcal pharyngitis. Wigton RS, et al.
Arch Intern Med 1986 Jan;146(1):81–3

Streptococcus group G septic polyarthritis. March L, et al. **Aust NZ J Med** 1985 Oct;15(5):647–9

Rapid diagnosis of streptococcal pharyngitis from throat swabs [letter] Rasaiah B. **Can Med Assoc J** 1986 Jul 1; 135(1):10–1

Rare cause of streptococcal C empyema. Rivest N, et al.
Can Med Assoc J 1985 Nov 15;133(10):1009–10

Uptake of hematoporphyrin derivative by valvular vegetations in experimental infective endocarditis. Spokojny AM, et al. **Circulation** 1985 Nov;72(5):1087–91

The detection of streptococcal antigens using monoclonal antibodies. Harris MC, et al. **Clin Lab Med** 1985 Sep; 5(3):545–60 (52 ref.)

Clinical experience with the use of Culturette Brand 10-Minute Group A Strep ID kit in the early diagnosis of streptococcal pharyngitis [letter] Marsh WW, et al.
Clin Pediatr (Phila) 1986 Jan;25(1):55

Rapid diagnostic tests for streptococcal pharyngitis [editorial] Nahata MC. **Clin Pharm** 1986 Feb;5(2):160–1

Diagnosis of group A beta-hemolytic streptococcal pharyngitis. Use of antigen detection tests. Gerber MA. **Diagn Microbiol Infect Dis** 1986 Mar;4(3 Suppl):5S–15S

(39 ref.)
Critical appraisal of the clinical relevance of rapid diagnosis in pediatrics. Gerber MA. **Diagn Microbiol Infect Dis** 1985 Nov;3(6 Suppl):39S–49S
Pericarditis in infective endocarditis. Ribeiro P, et al. **Eur Heart J** 1985 Nov;6(11):975–8
Rapid diagnosis of streptococcal infections. Prakash K. **Indian J Pediatr** 1985 Jul–Aug;52(417):391–3
Study of neonatal septicemia. Mishra JN, et al. **Indian Pediatr** 1985 Apr;22(4):281–5
Evaluation of a rapid latex agglutination test (Directigen) for the direct detection of group A streptococci from throat swabs. Kamm W, et al. **Infection** 1985 Jul–Aug; 13(4):179–81
Pyogenic liver abscesses—diagnosis and management. Malone DE, et al. **Ir J Med Sci** 1986 Jul;155(7):221–8
Lack of reliability of primary grouping of beta-hemolytic streptococci by culture of throat swabs with streptocult supplemented with bacitracin disks in general practice. Hoffmann S. **J Clin Microbiol** 1985 Oct;22(4):497–500
Reduction of morbidity and mortality rates for neonatal group B streptococcal disease through early diagnosis and chemoprophylaxis. Lim DV, et al. **J Clin Microbiol** 1986 Mar;23(3):489–92
Effect of a rapid diagnostic method on prescribing patterns and ordering of throat cultures for streptococcal pharyngitis. True BL, et al. **J Fam Pract** 1986 Sep; 23(3):215–9
Diagnosis of streptococcal pharyngitis by rapid antigen detection from the throat swab. Wolinsky E, et al. **J Fam Pract** 1986 Mar;22(3):277–8, 280
Centrifugation-augmented solid-phase immunoassay (CASPIA) for the rapid diagnosis of infectious diseases. Miotti PG, et al. **J Infect Dis** 1986 Aug;154(2):301–8
Enzyme fluorescence procedure for rapid diagnosis of streptococcal pharyngitis. Gerber MA, et al. **J Pediatr** 1986 Mar;108(3):421–3
The throat culture reconsidered [editorial] Hamrick HJ. **J Pediatr** 1986 Mar;108(3):416–7
Group A streptococcal supraglottitis. Lacroix J, et al. **J Pediatr** 1986 Jul;109(1):20–4
Perianal streptococcal cellulitis. Spear RM, et al. **J Pediatr** 1985 Oct;107(4):557–9
Rapid enzyme fluorescence test for diagnosis of streptococcal pharyngitis [letter] White CB, et al. **J Pediatr** 1986 Sep; 109(3):564
Group C streptococcal osteomyelitis. Barson WJ. **J Pediatr Orthop** 1986 May–Jun;6(3):346–8
Pectoralis pyomyositis: an unusual cause of chest wall pain in a patient with diabetes mellitus and rheumatoid arthritis. Caldwell DS, et al. **J Rheumatol** 1986 Apr;13(2):434–6
Infective endocarditis of the aortic valve with evidence of vegetations in the outflow tract of the left ventricle. Mancuso L, et al. **J Ultrasound Med** 1986 Aug;5(8):465–6
Detection of group A streptococci in the laboratory or physician's office. Culture vs antibody methods. Kellogg JA, et al. **JAMA** 1986 May 16;255(19):2638–42
A new scoring system for diagnosis of streptopharyngitis. Fujikawa S, et al. **Jpn Circ J** 1985 Dec;49(12):1258–61
Streptococcus suis type 2—a zoonotic agent in New Zealand [letter] Robertson ID. **NZ Med J** 1986 Mar 12; 99(797):167–8
Streptococcus milleri pyomyoma simulating infective endocarditis. Prichard JG, et al. **Obstet Gynecol** 1986 Sep; 68(3 Suppl):46S–49S
Oropharyngeal carcinoma presenting as an odontogenic infection with trismus. Hauser MS, et al. **Oral Surg Oral Med Oral Pathol** 1986 Apr;61(4):330–2
Rapid diagnosis of streptococcal pharyngitis in two pediatric offices using a latex agglutination kit. Schwartz RH, et al. **Pediatr Infect Dis** 1985 Nov–Dec;4(6):647–50
Rapid latex agglutination compared with the throat culture for the detection of group A streptococcal infection. White CB, et al. **Pediatr Infect Dis** 1986 Mar–Apr;5(2):208–12
The diagnostic value of symptoms and signs in acute tonsillitis in children over the age of 10 and in adults. Roos K. **Scand J Infect Dis** 1985;17(3):259–67
A comparison between a commercial coagglutination test and conventional throat culture for the detection of group A streptococci in throat swabs. Strömberg A, et al. **Scand J Infect Dis** 1986;18(1):85–6
Streptococcus bovis endocarditis with vertebral osteomyelitis [letter] Matthai WH Jr, et al. **South Med J** 1986 Sep; 79(9):1192–3
Subdural empyema and group C streptococci [letter] Suzuki T. **South Med J** 1986 May;79(5):651
Clinical aspects of adult epiglottitis. Chaisson RE, et al. **West J Med** 1986 Jun;144(6):700–3
[Splenic abscess disclosing endocarditis] Haiat R, et al. **Ann Cardiol Angeiol (Paris)** 1985 Nov;34(9):625–7 (Eng. Abstr.) **(Fre)**
[Pneumonia and submaxillary cellulitis caused by B group Streptococcus in an infant] Boutte P, et al. **Pediatrie** 1985 Oct–Nov;40(7):573–5 (Eng. Abstr.) **(Fre)**
[B streptococcal infection of the newborn infant] Vogel C. **Kinderarztl Prax** 1986 May;54(5):255–9 (Eng. Abstr.) **(Ger)**
[Neonatal meningitis caused by Streptococcus agalactiae] Ram W, et al. **Monatsschr Kinderheilkd** 1985 Nov;133(11):843–4 (Eng. Abstr.) **(Ger)**
[Current aspects of streptococcal infections in childhood] Gnehm HE. **Ther Umsch** 1986 Jul;43(7):550–6 (Eng. Abstr.) **(Ger)**
[Importance of anti-polysaccharide C titer in the diagnosis of streptococcal infections in children] Mussi G. **Boll Ist Sieroter Milan** 1985;64(4):315–9 (Eng. Abstr.) **(Ita)**
[The significance of antipolysaccharide C antibodies from Streptococcus group A. Their importance in the diagnosis of streptococcal infections] Soffritti E, et al. **Boll Ist Sieroter Milan** 1986;65(2):138–42 (Eng. Abstr.) **(Ita)**
[Clinical course and treatment of bacterial endocarditis] Serwecińska T, et al. **Wiad Lek** 1986 Apr 1;39(7):433–7 (Eng. Abstr.) **(Pol)**
[Significance of streptococci in the etiology of current hospital infections] Ageev AK, et al. **Klin Med (Mosk)** 1985 May;63(5):75–9 (Eng. Abstr.) **(Rus)**
[Echocardiographic detection of vegetations in the diagnosis of subacute septic endocarditis] Korytnikov KI, et al. **Klin Med (Mosk)** 1985 Oct;63(10):40–7 (Eng. Abstr.) **(Rus)**
[Informativeness of microbiologic and serologic indices in the diagnosis of pyelonephritis after surgical treatment of hydroonephrosis] Rasputniak SG. **Urol Nefrol (Mosk)** 1985 Jul–Aug;(4):28–30 (Eng. Abstr.) **(Rus)**
[The Shelley test for determining the sensitization of the body in food poisoning] Andreichin MA, et al. **Vrach Delo** 1985 Dec;(12):96–7 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Local urokinase for the treatment of ventriculitis complications. San Frutos MA, et al. **Acta Paediatr Scand** 1986 May;75(3):497–8
Penicillin treatment of streptococcal pharyngitis [letter] **Am J Dis Child** 1986 May;140(5):409–11
Twice-daily penicillin in the treatment of streptococcal pharyngitis. Gerber MA, et al. **Am J Dis Child** 1985 Nov; 139(11):1145–8
Streptococcal pharyngitis in the emergency department: analysis of therapeutic strategies. Hedges JR, et al. **Am J Emerg Med** 1986 Mar;4(2):107–15
Comparison of penicillin and vancomycin, individually and in combination with gentamicin and amikacin, in the treatment of experimental endocarditis induced by nutritionally variant streptococci. Bouvet A, et al. **Antimicrob Agents Chemother** 1985 Nov;28(5):607–11
Effect of oral penicillin on pneumococcal carriage in elderly men with chronic bronchitis. Haas H, et al. **Clin Ther** 1986; 8(3):301–8
Clinical inefficacy of tobramycin and gentamicin sulfate in the treatment of ocular infections [letter] Mehta NJ, et al. **Cornea** 1984–85;3(3):228
Infective endocarditis due to penicillin-tolerant Streptococcus bovis. Fung JC, et al. **Diagn Microbiol Infect Dis** 1986 Jul;5(2):171–6
Clinical features and antimicrobial therapy of infections caused by group G streptococci. Rolston KV, et al. **Infection** 1985 Sep–Oct;13(5):203–6
Use of rifampin with penicillin and erythromycin in the treatment of psoriasis. Preliminary report. Rosenberg EW, et al. **J Am Acad Dermatol** 1986 May;14(5 Pt 1):761–4
Paradoxical effect of penicillin in vivo [letter] George RH, et al. **J Antimicrob Chemother** 1986 May;17(5):684–5
Efficacy of cefmenoxime in experimental group B streptococcal bacteraemia and meningitis. Kim KS. **J Antimicrob Chemother** 1986 Feb;17(2):239–44
Activity of teicoplanin in localized experimental infections in rats. Arioli V, et al. **J Hosp Infect** 1986 Mar;7 Suppl A:91–9
Penicillin V and rifampin for streptococcal pharyngitis [letter] Brook I. **J Pediatr** 1985 Nov;107(5):825–6
Once daily therapy for streptococcal pharyngitis with cefadroxil. Gerber MA, et al. **J Pediatr** 1986 Sep; 109(3):531–7
Association of penicillin tolerance with failure to eradicate group A streptococci from patients with pharyngitis. Kim KS, et al. **J Pediatr** 1985 Nov;107(5):681–4
Treatment of streptococcal pharyngitis revisited. Bass JW. **JAMA** 1986 Aug 8;256(6):740–3
Cure of streptococcal endocarditis with six days of antibiotic therapy [letter] Bricaire F, et al. **JAMA** 1986 Mar 14; 255(10):1291
Antibiotic treatment of streptococcal and staphylococcal endocarditis. Report of a working party of the British Society for Antimicrobial Chemotherapy. **Lancet** 1985 Oct 12;2(8459):815–7
Treatment of bacterial endocarditis [letter] **Lancet** 1985 Dec 21–28;2(8469–70):1420–1
Fever during treatment of infective endocarditis. Douglas A, et al. **Lancet** 1986 Jun 14;1(8494):1341–3
Endocarditis caused by nutritionally-variant streptococci: therapy with penicillin combined initially with gentamicin. Dworzack DL, et al. **Nebr Med J** 1986 May;71(5):118–21
Long-acting penicillins: acceptability and tolerance. Bass JW. **Pediatr Infect Dis** 1985 Sep–Oct;4(5):576–8
Erythromycin in the treatment of streptococcal infections. Derrick CW Jr, et al. **Pediatr Infect Dis** 1986 Jan–Feb; 5(1):172–6
Treatment of streptococcal pharyngitis [letter] Field SS. **Pediatr Infect Dis** 1986 Jan–Feb;5(1):112
Management of streptococcal pharyngitis reconsidered. Gerber MA, et al. **Pediatr Infect Dis** 1985 Sep–Oct; 4(5):518–26 (65 ref.)
Benzathine penicillin G for treatment of group A streptococcal pharyngitis: a reappraisal in 1985. Kaplan EL. **Pediatr Infect Dis** 1985 Sep–Oct;4(5):592–6
Parental understanding of streptococcal pharyngitis [letter] Lee CT. **Pediatr Infect Dis** 1986 Mar–Apr;5(2):277–8
Misquotation. Management of streptococcal pharyngitis reconsidered [letter] Stillerman M. **Pediatr Infect Dis** 1986 Jan–Feb;5(1):110
Rifampin and penicillin for the elimination of group B streptococci in nasally colonized infant rats. Millard DD, et al. **Pediatr Res** 1985 Nov;19(11):1183–6
Effects of the thromboxane synthetase inhibitor, dazmegrel (UK 38,485), on pulmonary gas exchange and hemodynamics in neonatal sepsis. Truog WE, et al. **Pediatr Res** 1986 May;20(5):481–6
Classics in infectious diseases. A contribution to the chemotherapy of bacterial infections. Gerhard Domagk,1935. **Rev Infect Dis** 1986 Jan–Feb;8(1):163–6
Streptococcal endocarditis: single vs. combination antibiotic therapy and role of various species. Tuazon CU, et al. **Rev Infect Dis** 1986 Jan–Feb;8(1):54–60
Leg ulcer infection with an erythromycin-resistant Streptococcus pyogenes. Hardie R, et al. **Scott Med J** 1986 Jan;31(1):39
[Streptococcus pneumoniae meningitis highly resistant to penicillin and untreatable with cefotaxime or chloramphenicol (letter)] Cagigas P, et al. **Med Clin (Barc)** 1985 Dec 7;85(19):814–5 **(Spa)**

ETIOLOGY

Streptococcus bovis catheter infection and the short bowel syndrome. Kaye BR, et al. **Am J Med** 1986 Apr;80(4):735–7
Streptococcus agalactiae endocarditis: an association with villous adenomas of the large intestine. Wiseman A, et al. **Ann Intern Med** 1985 Dec;103(6 (Pt 1)):893–4
Pathogenic mechanisms in neonatal GBS infection. Ayoub EM, et al. **Antibiot Chemother** 1985;35:128–41
Infective endocarditis following cardiac catheterization in infancy. A case report and review. Yu LC, et al. **Clin Pediatr (Phila)** 1986 Apr;25(4):222–4
Group B-beta haemolytic streptococcal colonization in women using intrauterine contraceptive devices. Farrag OA, et al. **Contraception** 1985 Jun;31(6):595–602
Postsplenectomy sepsis caused by group B streptococcus (S. agalactiae) in an adult patient with diabetes mellitus. Fish HR, et al. **Diabetes Care** 1985 Nov–Dec;8(6):608–9
Pneumococcal peritonitis with the presence of an intrauterine device. Ron-El R, et al. **Int J Gynaecol Obstet** 1985 Sep; 23(4):339–41
Suppurative thrombosis of the superior vena cava: a lethal complication of central venous catheters. Ratcliffe FM. **Intensive Care Med** 1985;11(5):265–6
Enterococcal osteomyelitis in the diabetic patient. DeBenedictis TH, et al. **J Am Podiatr Med Assoc** 1986 Jan;76(1):38–42
Bacteremia caused by group G streptococci in parenteral drug abusers: epidemiological and clinical aspects. Craven DE, et al. **J Infect Dis** 1986 May;153(5):988–92
Infections of congenital cervical neck masses associated with bacteremia. Wiswell TE, et al. **J Pediatr Surg** 1986 Feb; 21(2):173–4
Is "primary" subphrenic abscess caused by Streptococcus milleri a result of unrecognized gastrointestinal perforation? Admon D, et al. **Klin Wochenschr** 1986 Mar 17;64(6):287–9
Toxic shock syndrome following septoplasty using plastic septal splints. Wagner R, et al. **Laryngoscope** 1986 Jun; 96(6):609–10
Group B streptococcal necrotizing fasciitis arising from an episiotomy. Sutton GP, et al. **Obstet Gynecol** 1985 Nov; 66(5):733–6
Bacterial meningitis following Pantopaque myelography. A case report and literature review. Schelkun SR, et al. **Orthopedics** 1985 Jan;8(1):73–6
Group B streptococcal endocarditis: report of seven cases and review of the literature, 1962–1985. Gallagher PG, et al. **Rev Infect Dis** 1986 Mar–Apr;8(2):175–88 (108 ref.)
Viridans streptococcal pleuropulmonary infections—a report of 6 cases. Wu IH, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Feb;85(2):199–208
Brain abscess: a complication of oesophageal dilatations. Neuman A, et al. **Z Kinderchir** 1986 Feb;41(1):43–4
[Fulminant streptococcal gangrene of the lower limbs] Haiat R, et al. **Ann Cardiol Angeiol (Paris)** 1985 Jul–Sep; 34(7):493–4 (Eng. Abstr.) **(Fre)**
[A case of splenic abscess in a drug addict with acquired immunodeficiency syndrome] Ferraris R, et al. **Minerva Med** 1986 Jan 14;77(1–2):1–5 (Eng. Abstr.) **(Ita)**
[Foreign bodies in the respiratory tract or esophagus in infants and small children as the cause of protracted bronchopulmonary infections] Szmukalska E, et al. **Wiad Lek** 1985 Dec 1;38(23):1666–9 (Eng. Abstr.) **(Pol)**
[Suppurative mediastinitis caused by hematogenic osteomyelitis of the spine] Fishchenko VIa. **Khirurgiia (Mosk)** 1985 Nov;(11):111–5 **(Rus)**
[Septic endocarditis—a predictable or unpredictable disease? Clinico-immunologic aspects] Gogin EE, et al. **Ter Arkh** 1986;58(3):92–6 (Eng. Abstr.) **(Rus)**
[Acute pustulous bacterid] Savova I, et al. **Vestn Dermatol Venerol** 1985 Aug;(8):46–7 (Eng. Abstr.) **(Rus)**

HISTORY

GBS: the childhood and adolescent years. Dillon HC Jr. **Antibiot Chemother** 1985;35:1–9

Streptococcal puerperal sepsis and obstetric infections: a historical perspective. Charles D, et al. **Rev Infect Dis** 1986 May–Jun;8(3):411–22 (47 ref.)

IMMUNOLOGY

Antibody activity before and after pneumococcal vaccination of otitis-prone and non-otitis-prone children. Kalm O, et al. **Acta Otolaryngol (Stockh)** 1986 May–Jun; 101(5–6):467–74

Induction of local immunity to group A streptococci type M50 in mice by non-type-specific mechanisms. Kurl DN, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Dec; 93(6):401–5

Intravenous administration of human IgG to newborn infants: changes in serum antibody levels to GBS. Christensen KK, et al. **Antibiot Chemother** 1985;35:247–53

The R-proteins. Christensen KK, et al. **Antibiot Chemother** 1985;35:114–8

Immunological characterization of mothers of infants with neonatal GBS infection: definition of a risk group. Christensen KK, et al. **Antibiot Chemother** 1985;35:190–3

The role of complement in opsonization of GBS. Edwards MS, et al. **Antibiot Chemother** 1985;35:170–89

Cellular and humoral aspects of host defense mechanisms against GBS. Gotoff SP, et al. **Antibiot Chemother** 1985; 35:142–56

Maternal humoral immunity and neonatal GBS infection: studies in a primate model. Hemming VG, et al. **Antibiot Chemother** 1985;35:194–200

Methods of assessment and importance of opsonic activity for GBS. Hill HR, et al. **Antibiot Chemother** 1985;35:157–69

Phagocytosis and killing of GBS in an experimental animal model. Holm SE, et al. **Antibiot Chemother** 1985;35:201–10

Immunostimulative action of Streptococcus pneumoniae and Klebsiella pneumoniae subcellular fractions. I. Determination of "in vivo" toxicity and of some non-specific immunostimulative properties. Hoijie S, et al. **Arch Roum Pathol Exp Microbiol** 1985 Oct–Dec; 44(4):311–21

In vivo and in vitro immunomodulatory ability of streptococcal mitogen: effects on adjuvant disease in the rat; on homograft rejection in the mouse; and on the appearance of Ia antigens on human T lymphocytes. Quagliata F, et al. **Drugs Exp Clin Res** 1985;11(2):75–81

Role of culture conditions and immunization in experimental nutritionally variant streptococcal endocarditis. van de Rijn I. **Infect Immun** 1985 Dec;50(3):641–6

The role of complement and antibody in opsonophagocytosis of type II group B streptococci. Baker CJ, et al. **J Infect Dis** 1986 Jul;154(1):47–54

Type-specific monoclonal antibody enhances the local phagocytic response to group B streptococcal infection. Shigeoka AO, et al. **J Infect Dis** 1986 Jun;153(6):1170–3

Enzyme-linked immunosorbent assay for the detection of antibodies to nutritionally variant streptococci in patients with endocarditis. van de Rijn I, et al. **J Infect Dis** 1986 Jan;153(1):116–21

Enzyme-linked immunosorbent assay for identification and measurement of antibodies to group A streptococcal bacteriophage. Halperin SA, et al. **J Lab Clin Med** 1985 Nov;106(5):505–11

Type-specific antibody prevents platelet aggregation induced by group B streptococci type III. Wood EG, et al. **J Lab Clin Med** 1986 Apr;107(4):322–6

Antigen detection test for streptococcal pharyngitis: evaluation of sensitivity with respect to true infections. Gerber MA, et al. **J Pediatr** 1986 May;108(5 Pt 1):654–8

Protective efficacy against group B streptococcal infection in neonatal mice delivered from preimmunized pregnants. Itoh T, et al. **Microbiol Immunol** 1986;30(4):297–305

The role of specific antibody in neonatal bacterial infections: an overview. Anthony BF. **Pediatr Infect Dis** 1986 May–Jun;5(3 Suppl):S164–7 (61 ref.)

The loss of opsonic activity of bovine milk whey following depletion of IgA. Mackie DP, et al. **Vet Immunol Immunopathol** 1986 Feb;11(2):193–8

[Homozygous C6 deficiency disclosed by Streptococcus A infection (letter)] Munck A, et al. **Arch Fr Pediatr** 1986 Mar;43(3):219–20 **(Fre)**

[Lymphocyte activation by bacterial biostructures: precursor of infection-induced immune phenomena and sequelae? I. lymphocyte reactions to A-streptococci] Gross WL. **Immun Infekt** 1986 Feb;14(1):37–44 (Eng. Abstr.) **(Ger)**

[Streptococcus antibodies in a rural population and in patients with inflammatory rheumatic diseases] Bolmanský K. **Z Rheumatol** 1985 Sep–Oct;44(5):213–7 (Eng. Abstr.) **(Ger)**

[Streptococcal infections in childhood. Evaluation of immunologic response] Colli R, et al. **Minerva Pediatr** 1985 Nov 30;37(21–22):865–74 (Eng. Abstr.) **(Ita)**

[A study of four anti-streptococcal antibodies in rheumatic fever and diseases related with streptococci in childhood] Miyazaki H. **Igaku Kenkyu** 1985 Dec;55(4):200–25 (Eng. Abstr.) **(Jpn)**

[A study on serum titers of anti-streptococcal polysaccharide (ASP) among school children] Nakajima K, et al. **Kansenshogaku Zasshi** 1985 Sep;59(9):883–91 (Eng. Abstr.) **(Jpn)**

[Indicators of the persistence of L-forms of group B Streptococcus in experimental infection of animals] Gorina LG, et al. **Vestn Akad Med Nauk SSSR** 1985;(10):58–61 (Eng. Abstr.) **(Rus)**

METABOLISM

Pharmacokinetics of intravenous immunoglobulin (Sandoglobulin) in neonates. Weisman LE, et al. **Pediatr Infect Dis** 1986 May–Jun;5(3 Suppl):S185–8

MICROBIOLOGY

The pneumococcus and the mouse protection test: inoculum, dosage and timing. Frimodt-Møller N, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1986 Feb; 94(1):33–7

Genetic transformation in Streptococcus sanguis. Identification, surface spreading and competence of invasive strains of Streptococcus sanguis Lancefield groups H and W and other invasive viridans streptococci. Gaustad P. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Aug; 93(4):277–82

Genetic transformation in Streptococcus sanguis. Effects on genetic transformation by culture filtrates of Streptococcus sanguis (serogroups H and W) and streptococcus mitis (mitior) with reference to identification. Gaustad P. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Aug; 93(4):283–7

Growth inhibition of environmental mastitis pathogens during physiologic transitions of the bovine mammary gland. Breau WC, et al. **Am J Vet Res** 1986 Feb; 47(2):218–22

Comparative in vitro evaluation of cefonicid, cefazolin, and penicillin against viridans group streptococci isolated from blood. Weinstein MP. **Antimicrob Agents Chemother** 1986 Jul;30(1):187–8

Group G streptococcal infections [editorial] Rolston KV. **Arch Intern Med** 1986 May;146(5):857–8

The cariogenicity of sucrose, glucose and maize starch in gnotobiotic rats mono-infected with strains of the bacteria Streptococcus mutans, Streptococcus salivarius and Streptococcus milleri. Horton WA, et al. **Arch Oral Biol** 1985;30(11–12):777–80

Lack of correlation between streptococcal Fc receptors and symptomatic pharyngitis. Fisher PR, et al. **Diagn Microbiol Infect Dis** 1986 Feb;4(2):177–9

Group G streptococcal sacroiliitis. Raucher BG, et al. **Diagn Microbiol Infect Dis** 1986 Mar;4(3):255–7

Clinical significance of Streptococcus milleri. Van der Auwera P. **Eur J Clin Microbiol** 1985 Aug;4(4):386–90

Cervicitis and urethritis caused by group B streptococcus: case report. Buttigieg G. **Genitourin Med** 1985 Oct; 61(5):343–4

Colonisation of the urethra with Streptococcus pneumoniae: a case report. Noble RC. **Genitourin Med** 1985 Oct; 61(5):345–6

Bacteriology & serology of streptococcal pyoderma. Raghunath D, et al. **Indian J Med Res** 1985 Dec;82:495–7

Group C streptococcal endocarditis: case report and review of the literature. Stein DS, et al. **Infection** 1985 Nov–Dec; 13(6):282–5

Methods for estimating the duration of bacterial carriage. De Wals P, et al. **Int J Epidemiol** 1985 Dec;14(4):628–34

Comparative adhesion of seven species of streptococci isolated from the blood of patients with sub-acute bacterial endocarditis to fibrin-platelet clots in vitro. Crawford I, et al. **J Appl Bacteriol** 1986 Feb;60(2):127–33

Conjunctivitis caused by a nutritionally variant streptococcus. Barrios H, et al. **J Clin Microbiol** 1986 Feb; 23(2):379–80

Graft infection and bacteremia with a tolerant L-form of Streptococcus sanguis in a patient receiving hemodialysis. Chmel H. **J Clin Microbiol** 1986 Aug;24(2):294–5

Incidence and characterization of beta-hemolytic Streptococcus milleri and differentiation from S. pyogenes (group A), S. equisimilis (group C), and large-colony group G streptococci. Lawrence J, et al. **J Clin Microbiol** 1985 Nov;22(5):772–7

In vitro growth of mastitis-associated streptococci in bovine mammary secretions. Todhunter DA, et al. **J Dairy Sci** 1985 Sep;68(9):2337–46

Comparison of throat culture and latex agglutination test for streptococcal pharyngitis. Fischer PM, et al. **J Fam Pract** 1986 Mar;22(3):245–8

Activity of teicoplanin compared with vancomycin alone, and combined with gentamicin, against penicillin tolerant viridans streptococci and enterococci causing endocarditis. Shanson DC, et al. **J Hosp Infect** 1986 Mar;7 Suppl A:65–72

Bacteriology and ultrastructure of the bladder in patients with urinary tract infections. Elliott TS, et al. **J Infect** 1985 Nov;11(3):191–9

Early neonatal group B streptococcal disease: degree of colonisation as an important determinant. Gerards LJ, et al. **J Infect** 1985 Sep;11(2):119–24

Group B streptococcal colonisation and the outcome of pregnancy. Hastings MJ, et al. **J Infect** 1986 Jan;12(1):23–9

Viridans streptococcal endocarditis: clinical, microbiological, and echocardiographic correlations. Sussman JI, et al. **J Infect Dis** 1986 Oct;154(4):597–603

Antigenic composition of an endocarditis-associated isolate of Streptococcus faecalis and identification of its glycoprotein antigens by ligand blotting with lectins. Aitchison EJ, et al. **J Med Microbiol** 1986 Mar;21(2):161–7

Sternoclavicular joint infection with group B streptococcus [letter] Tabatabai MF, et al. **J Rheumatol** 1986 Apr; 13(2):466

Streptococci as urinary pathogens. Collins LE, et al. **Lancet** 1986 Aug 30;2(8505):479–81

Bilateral neonatal group A streptococcal hydrocele infection associated with maternal puerperal sepsis. Shanks GD, et al. **Pediatr Infect Dis** 1986 Jan–Feb;5(1):107–8

Persistent bacterial endocarditis caused by three isolates of satellite streptococci. Sukroongreung S, et al. **Southeast Asian J Trop Med Public Health** 1986 Mar; 17(1):32–7

Cell surface hydrophobicity of group D and viridans streptococci isolated from patients with septicaemia. Ljungh A, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 May;261(3):280–6

[Determination of a Streptococcus mutans count in the saliva] Orsós M, et al. **Zahn Mund Kieferheilkd** 1985;73(7):675–9 (Eng. Abstr.) **(Ger)**

[Group B streptococci in women admitted to the obstetric and gynecologic division of the hospital of Pistoia, for imminent parturition] Rossetti R, et al. **Quad Sclavo Diagn** 1985 Dec;21(4):406–11 (Eng. Abstr.) **(Ita)**

[Experimental studies on initial focus of invasion of group A streptococci. 2. Aerosol infection with group A streptococci in rabbits] Hokonohara M, et al. **Kansenshogaku Zasshi** 1985 Aug;59(8):793–8 (Eng. Abstr.) **(Jpn)**

[The inhibitory action of streptococci isolated from the pharynx on the growth of pathogenic organisms—studies on the pharynx of children with acute respiratory infection] Masuda M. **Kansenshogaku Zasshi** 1985 Jun;59(6):559–70 (Eng. Abstr.) **(Jpn)**

[Isolation of group A streptococci from patients with various infectious diseases] Morita M, et al. **Kansenshogaku Zasshi** 1985 Sep;59(9):877–82 (Eng. Abstr.) **(Jpn)**

[Enterococcal bacteremia, II—review of the clinical course of 46 enterococcal bacteremia] Oka S, et al. **Kansenshogaku Zasshi** 1985 Jun;59(6):545–50 (Eng. Abstr.) **(Jpn)**

[Preparation of monoclonal antibody to streptococcal nephritis-strain associated protein] Takasaki H. **Nippon Ika Daigaku Zasshi** 1985 Oct;52(5):530–6 (Eng. Abstr.) **(Jpn)**

[Correlation between the virulence of streptococci for mice and their IgG FcR activity in in vivo experiments] Kaiser EI. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Jul;(7):22–6 (Eng. Abstr.) **(Rus)**

[Typing of Streptococcus group A isolated from patients and healthy persons] Krasil'nikov IA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Oct;(10):28–32 (Eng. Abstr.) **(Rus)**

[Isolation of group B Streptococcus from clinical specimens and the methods of its identification] Shevchuk MS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Sep;(9):115–6 **(Rus)**

[Bacteriologic and serologic aspects of streptococcal pharyngitis in Mexico City] León AP, et al. **Bol Of Sanit Panam** 1985 Jul;99(1):53–61 (Eng. Abstr.) **(Spa)**

NURSING

Prediction of streptococcal pharyngitis: an option for school nurses? Squires RL, et al. **J Sch Health** 1986 Aug; 56(6):218–21

OCCURRENCE

A national survey of severe group B streptococcal infections in neonates and young infants in Denmark, 1978–83. Carstensen H, et al. **Acta Paediatr Scand** 1985 Nov; 74(6):934–41

The throat carrier rate of group A and other beta hemolytic streptococci among patients in general practice. Hoffmann S. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Oct; 93(5):347–51

Epidemiology of GBS in man. Anthony BF. **Antibiot Chemother** 1985;35:10–6

The incidence of GBS disease in neonates in different countries. Mayon-White RT. **Antibiot Chemother** 1985; 35:17–27

Nosocomial urinary tract infections due to enterococcus. Ten years' experience at a university hospital. Morrison AJ Jr, et al. **Arch Intern Med** 1986 Aug;146(8):1549–51

An outbreak of group A streptococcal bacteremia in an intensive care unit. Nicolle LE, et al. **Infect Control** 1986 Mar;7(3):177–80

Colonization of Nigerian neonates with group B streptococci and its rapid detection. Hoppe JE, et al. **Infection** 1986 Mar–Apr;14(2):74–8

The carrier state: group B streptococcus. Easmon CS. **J Antimicrob Chemother** 1986 Jul;18 Suppl A:59–65

Persistent streptococcal throat infection in a preparatory school for boys. Briscoe JH. **J Hyg (Lond)** 1985 Dec; 95(3):671–6

Pneumococcal carriage amongst Australian aborigines in Alice Springs, Northern Territory. Hansman D, et al. **J Hyg (Lond)** 1985 Dec;95(3):677–84

A follow-up study of throat carriers of streptococci among

schoolchildren in Otsu City. Takeuchi T, et al. **Jpn Circ J** 1985 Dec;49(12):1254–7

Scrum kidney: epidemic pyoderma caused by a nephritogenic Streptococcus pyogenes in a rugby team. Ludlam H, et al. **Lancet** 1986 Aug 9;2(8502):331–3

Epidemiological study of hemolytic streptococci in pupils in seven prefectures in Japan. Nakajima K, et al. **Osaka City Med J** 1985 Aug;31(1):1–10

Determination of asymptomatic carrier rate of beta-haemolytic group B Streptococcus in vaginas of pregnant women in Ibadan, Nigeria. Olanisebe SB, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Apr; 261(2):248–53

[Group B streptococcal infections] Cao YQ. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1986 Jun; 7(3):178–9 (29 ref.) **(Chi)**

[Epidemiological research on episodes of streptococcal pharyngo-tonsillitis in a circumscribed community] Benussi G, et al. **Nuovi Ann Ig Microbiol** 1985 Jan–Feb;36(1):25–31 (Eng. Abstr.) **(Ita)**

[A statistical study on relation between numbers of patients with streptococcal infectious disease and meteorological data (2nd report)] Morita M, et al. **Kansenshogaku Zasshi** 1985 Sep;59(9):869–76 (Eng. Abstr.) **(Jpn)**

[Epidemiological surveillance of scarlet fever, rheumatism and other manifestations of streptococcal infection] Beliakov VD, et al. **Vestn Akad Med Nauk SSSR** 1986; (7):17–22 (Eng. Abstr.) **(Rus)**

[Manifestations of angina morbidity as a reflection of the self-regulation of the epidemic process in streptococcal infection] Beliakov VD, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Jan;(1):44–9 (Eng. Abstr.) **(Rus)**

[Prevalence of group A beta hemolytic streptococci in a healthy school population of Barquisimeto 1981–1983] Manzano de Siso P, et al. **Acta Cient Venez** 1985; 36(5–6):381–3 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Severe puerperal sepsis [letter] Webb LG, et al. **Med J Aust** 1985 Sep 30;143(7):316

Morphological changes caused by experimental Streptococcus uberis mastitis in mice following intramammary infusion of pokeweed mitogen. Sordillo LM, et al. **Proc Soc Exp Biol Med** 1986 Sep;182(4):522–30

Case record: Rhode Island Hospital [clinical conference] Wachtel TJ, et al. **RI Med J** 1985 Oct;68(10):441–5

[Case of infectious endocarditis in hypertrophic cardiomyopathy] Khekimian A, et al. **Vutr Boles** 1986; 25(1):104–7 (Eng. Abstr.) **(Bul)**

[Occurrence of acute kidney failure in endocapillary glomerulonephritis of the poststreptococcal glomerulonephritis type] Klingebiel T, et al. **Pathologe** 1985 Jul;6(4):190–5 **(Ger)**

[Experimental studies on the initial focus of invasion of group A streptococci. 3. Scanning electron microscopic observations of rabbits in the experiment with aerosol infection] Yoshinaga M, et al. **Kansenshogaku Zasshi** 1985 Aug;59(8):805–9 (Eng. Abstr.) **(Jpn)**

[Septic uveitis of streptococcal origin; comments on 2 cases] Stefinescu-Dima A. **Rev Chir [Oftalmol]** 1985 Oct–Dec; 29(4):307–11 (Eng. Abstr.) **(Rum)**

[Morphological and immunological characteristics of organic lesions in experimental infection with the L form of Streptococcus group B] Vartazarian ND, et al. **Vestn Akad Med Nauk SSSR** 1986;(7):22–7 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Early and late hemodynamic consequences of group B beta streptococcal sepsis in piglets: effects on systemic, pulmonary, and mesenteric circulations. Meadow WL, et al. **Circ Shock** 1986;19(4):347–56

Streptococcal and staphylococcal infections of the skin. Wickboldt LG, et al. **Hosp Pract [Off]** 1986 Mar 30; 21(3A):41–7 (16 ref.)

Selective elevation of systemic blood pressure by epinephrine during sepsis-induced pulmonary hypertension in piglets. Meadow WL, et al. **Pediatr Res** 1986 Sep;20(9):872–5

Prostaglandin synthetase inhibition in group B streptococcal shock: hematologic and hemodynamic effects. Peevy KJ, et al. **Pediatr Res** 1986 Sep;20(9):864–6

Mechanisms of pulmonary gas exchange abnormalities during experimental group B streptococcal infusion. Sorensen GK, et al. **Pediatr Res** 1985 Sep;19(9):922–6

PREVENTION & CONTROL

The prevention of bacterial endocarditis. A new approach to a changing disease. Thornton JB, et al. **Ala J Med Sci** 1986 Jan;23(1):96–9

An obstetric approach to the prevention of early-onset group B beta-hemolytic streptococcal sepsis. Minkoff H, et al. **Am J Obstet Gynecol** 1986 May;154(5):973–7

Vaccination as a measure for prevention of neonatal GBS infection. Baker CJ, et al. **Antibiot Chemother** 1985; 35:281–90

Strategies for chemoprophylaxis of GBS early-onset infections. Boyer KM, et al. **Antibiot Chemother** 1985; 35:267–80

Chlorhexidine for prevention of neonatal colonization with GBS. Christensen KK, et al. **Antibiot Chemother** 1985; 35:296–302

Comparative capacity of orally administered amoxicillin and parenterally administered penicillin–streptomycin to protect rabbits against experimentally induced streptococcal endocarditis. Pujadas R, et al. **Antimicrob Agents Chemother** 1986 May;29(5):909–12

Possible prevention of an outbreak of group A streptococcal infection by a prospective epidemiologic approach. Denys GA, et al. **Infect Control** 1986 Jan;7(1):30–1

Group B streptococcus. Easmon CS. **Infect Control** 1986 Feb; 7(2 Suppl):135–7

Strategies for preventing neonatal group B streptococcal disease. Goldmann DA. **Infect Control** 1986 Feb;7(2 Suppl):137–9, 143

Efficacy of dodecylaminoalkyl glycine teat dip against Staphylococcus aureus and Streptococcus agalactiae mastitis. Boddie RL, et al. **J Dairy Sci** 1986 Jan;69(1):258–9

Does antibiotic prophylaxis at the time of catheter insertion reduce the incidence of catheter-related sepsis in intravenous nutrition? McKee R, et al. **J Hosp Infect** 1985 Dec;6(4):419–25

Penicillin prophylaxis and the neonatal microbial flora. Ghaey K, et al. **J Infect Dis** 1985 Nov;152(5):1070–3

Functional activities of various preparations of human intravenous immunoglobulin against type III group B Streptococcus. Kim KS, et al. **J Infect Dis** 1986 Jun; 153(6):1092–7

Group B streptococcal infection in newborns: prevention at last? [editorial] Baker CJ. **N Engl J Med** 1986 Jun 26; 314(26):1702–4

Prevention of early-onset neonatal group B streptococcal disease with selective intrapartum chemoprophylaxis. Boyer KM, et al. **N Engl J Med** 1986 Jun 26;314(26):1665–9

What's new in the management of streptococcal pharyngitis? Denny FW. **NC Med J** 1986 Jan;47(1):21–2

New concept in chemoprophylaxis of bacterial endocarditis resulting from dental treatment. Littner MM, et al. **Oral Surg Oral Med Oral Pathol** 1986 Apr;61(4):338–42

Comparative efficiency of chlorhexidine and ethanol in umbilical cord care. Belfrage E, et al. **Scand J Infect Dis** 1985;17(4):413–20

[Primary prevention of rheumatism: the status and outlook (vaccine)] Rotta Y. **Ter Arkh** 1985;57(11):97–100 **(Rus)**

[Further study of the prevention of streptococcal infections in experiments on monkeys] Keller V, et al. **Vestn Akad Med Nauk SSSR** 1986;(3):66–8 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Infected cephalhematoma and neonatal osteomyelitis of the skull. Mohon RT, et al. **Pediatr Infect Dis** 1986 Mar–Apr; 5(2):253–6

[Computed tomography in hypophyseal abscess] Appel W, et al. **Rontgenblatter** 1986 Jun;39(6):164–6 (Eng. Abstr.) **(Ger)**

SURGERY

Valve excision only versus valve excision plus replacement for active infective endocarditis involving the tricuspid valve. Barbour DJ, et al. **Am J Cardiol** 1986 Feb 15; 57(6):475–8

[Surgical treatment of medical pyomyositis (letter)] Chavanet P, et al. **Presse Med** 1986 Mar 1;15(9):442–3 **(Fre)**

THERAPY

Gammaglobulin as a measure for treating neonatal GBS infections. Fischer GW. **Antibiot Chemother** 1985;35:237–46

Monoclonal antibody preparations for immunotherapy of experimental GBS infection. Shigeoka AO, et al. **Antibiot Chemother** 1985;35:254–66

Treatment of septic olecranon and prepatellar bursitis with percutaneous placement of a suction-irrigation system. A report of 12 cases. Knight JM, et al. **Clin Orthop** 1986 May; (206):90–3

Relative functional activity of purified human immunoglobulin G against a type III group B streptococcal strain. Kim KS, et al. **Infect Immun** 1986 Jun;52(3):908–10

Immunoprophylaxis and immunotherapy of neonatal group B streptococcal infections. Gotoff SP. **Infection** 1985;13 Suppl 2:S230–5

Plasmapheresis for streptococcal sepsis? [letter] Drenger B, et al. **Lancet** 1985 Oct 26;2(8461):943

Intravenous gamma-globulin in the treatment of neonatal sepsis with special reference to group B streptococci and pharmacokinetics. Christensen KK, et al. **Pediatr Infect Dis** 1986 May–Jun;5(3 Suppl):S189–92

Intravenous IgG in combination with other modalities in the treatment of neonatal infection. Hill HR, et al. **Pediatr Infect Dis** 1986 May–Jun;5(3 Suppl):S180–4

Effect of intravenous immunoglobulin G on neutrophil kinetics during experimental group B streptococcal infection in neonatal rats. Harper TE, et al. **Rev Infect Dis** 1986 Jul–Aug;8 Suppl 4:S401–8

[A case report of a pregnant woman with severe bacterial meningitis caused by group A beta-hemolytic Streptococcus] Kikkawa T, et al. **Rinsho Shinkeigaku** 1986 Apr;26(4):343–7 (Eng. Abstr.) **(Jpn)**

[Immediate and remote results of the complex treatment of patients with chronic pyoderma] Bukharovich AM. **Vestn Dermatol Venerol** 1986;(3):50–4 (Eng. Abstr.) **(Rus)**

[Complex hyposensitization using becotide in infectious form of allergic rhinosinusitis in agricultural workers] Voronkin VF. **Vestn Otorinolaringol** 1985 Jul–Aug;(4):38–40 (Eng. Abstr.) **(Rus)**

TRANSMISSION

Foodborne streptococcal pharyngitis [letter] Horan JM, et al. **Am J Public Health** 1986 Mar;76(3):296–7

Epidemiological aspects of human/animal interrelationship in GBS. Jensen NE. **Antibiot Chemother** 1985;35:40–8

Transmission of the oral bacterium Streptococcus mutans to young Macaca fascicularis monkeys from human nursery attendants. Jordan HV, et al. **Arch Oral Biol** 1985; 30(11–12):863–4

Group A streptococcal pharyngitis in hospital personnel [letter] Wu AF, et al. **Infect Control** 1985 Oct;6(10):389–90

Group A streptococci and puerperal fever. Then and now [editorial] Gilbert GL. **Med J Aust** 1985 Sep 30; 143(7):271–2

Transmission of Streptococcus mutans in some selected families. Masuda N, et al. **Microbios** 1985;44(181S):223–32

Streptococcal pharyngitis derived from dogs [letter] Huminer D. **Postgrad Med** 1985 Dec;78(8):29–30

[Alimentary route of the spread of a streptococcal infection] Strel'tsova NA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Apr;(4):118–9 **(Rus)**

VETERINARY

Phagocytic and killing capacities of uterine-derived polymorphonuclear leukocytes from mares resistant and susceptible to chronic endometritis. Cheung AT, et al. **Am J Vet Res** 1985 Sep;46(9):1938–40

Susceptibility of colostrum-deprived swine of various ages to streptococcic lymphadenitis. Wood RL, et al. **Am J Vet Res** 1986 Aug;47(8):1722–5

Factors involved in the epidemiology and control of Streptococcus uberis and coliform mastitis. Robinson TC, et al. **Br Vet J** 1985 Nov–Dec;141(6):635–42

Studies on the immunogenicity of Streptococcus equi vaccines in foals. Srivastava SK, et al. **Can J Comp Med** 1985 Oct;49(4):351–6

Streptococcus suis in slaughter pigs and abattoir workers. Breton J, et al. **Can J Vet Res** 1986 Jul;50(3):338–41

Preliminary observations on the use of latex agglutination test for the detection of mastitis due to Streptococcus agalactiae in cows. Daniel RC, et al. **Can J Vet Res** 1986 Jan;50(1):133–5

Serum bactericidal responses to Streptococcus equi of horses following infection or vaccination. Timoney JF, et al. **Equine Vet J** 1985 Jul;17(4):306–10

Determinants of bacterial replication rates in mastitic whey. Mattila T, et al. **J Dairy Res** 1986 May;53(2):197–202

Immune complexes in purpura hemorrhagica of the horse contain IgA and M antigen of Streptococcus equi. Galan JE, et al. **J Immunol** 1985 Nov;135(5):3134–7

Streptococcal enteropathy in infant rats. Hoover D, et al. **Lab Anim Sci** 1985 Dec;35(6):635–41

Changes in immunoglobulin levels in whey during experimental Streptococcus agalactiae mastitis. Mackie DP, et al. **Res Vet Sci** 1986 Mar;40(2):183–8

Streptococcus suis infections in pigs in the Netherlands (Part I). Vecht U, et al. **Vet Q** 1985 Oct;7(4):315–21

Monitoring herds for Streptococcus suis type 2: chance contamination of slaughter pigs. Clifton-Hadley FA, et al. **Vet Rec** 1986 Mar 8;118(10):274

Streptococcal meningitis in pigs: field trial to compare the effects of two different treatments. Guise HJ, et al. **Vet Rec** 1985 Jul 20;117(3):65–6

STREPTOCOCCUS

Attachment of staphylococci and streptococci on fibronectin, fibronectin fragments, and fibrinogen bound to a solid phase. Kuusela P, et al. **Infect Immun** 1985 Oct;50(1):77–81

Characterization of bacteriophages infecting Streptomyces erythreus and properties of phage-resistant mutants. Donadio S, et al. **J Bacteriol** 1986 Jun;166(3):1055–60

Role of the thymus in streptococcal cell wall-induced arthritis and hepatic granuloma formation. Comparative studies of pathology and cell wall distribution in athymic and euthymic rats. Allen JB, et al. **J Clin Invest** 1985 Sep; 76(3):1042–56

The effects of M-protein fraction of hemolytic streptococci on embryonic heart in the rat. Miyata K, et al. **Jpn Circ J** 1985 Dec;49(12):1265–7

ANALYSIS

Characteristics of an R antigen common to Streptococcus equi and zooepidemicus. Timoney JF. **Cornell Vet** 1986 Jan;76(1):49–60

Fatty acid composition of Streptococcus milleri. Labbé M, et al. **Eur J Clin Microbiol** 1985 Aug;4(4):391–3

Preparation of a sialic acid-binding protein from Streptococcus mitis KS32AR. Murray PA, et al. **Infect Immun** 1986 Aug;53(2):359–65

A physicochemical study of protein G, a molecule with unique immunoglobulin G-binding properties. Akerström B, et al. **J Biol Chem** 1986 Aug 5;261(22):10240–7

Screening for bacterial Fc-receptor activity on nitrocellulose membranes. Lämmler C, et al. **J Immunol Methods** 1986

Jun 10;90(1):47–50

CLASSIFICATION

An inhibitor typing scheme applicable to Lancefield group E streptococci. Tagg JR. **Can J Microbiol** 1985 Nov; 31(11):1056–7

Evaluation of the API 20 STREP system for species identification of "viridans" streptococci isolated from bacteremia. Teng LJ, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1985 Nov;18(4):274–81

Characterization of nutritionally variant streptococci by biochemical tests and penicillin-binding proteins. Bouvet A, et al. **J Clin Microbiol** 1985 Dec;22(6):1030–4

Lack of reliability of primary grouping of beta-hemolytic streptococci by culture of throat swabs with streptocult supplemented with bacitracin disks in general practice. Hoffmann S. **J Clin Microbiol** 1985 Oct;22(4):497–500

Incidence and characterization of beta-hemolytic Streptococcus milleri and differentiation from S. pyogenes (group A), S. equisimilis (group C), and large-colony group G streptococci. Lawrence J, et al. **J Clin Microbiol** 1985 Nov;22(5):772–7

High-performance liquid chromatographic analysis of bacterial fatty acid composition for chemotaxonomic characterization of oral streptococci. Tsuchiya H, et al. **J Clin Microbiol** 1986 Jul;24(1):81–5

Enterocin typing of enterococci isolated from dried infant foods. Batish VK, et al. **J Dairy Sci** 1986 Apr;69(4):983–9

A new scheme for serotyping group-G streptococci. Lawal SF, et al. **J Med Microbiol** 1986 May;21(3):275–7

Differentiation of Streptococcus sanguis and S. mitior by whole-cell rhamnose content and possession of arginine dihydrolase. Price T, et al. **J Med Microbiol** 1986 May; 21(3):189–97

Differentiation of Gemella haemolysans (Thjøtta and Bøe 1938) Berger 1960, from Streptococcus morbillorum (Prevot 1933) Holdeman and Moore 1974. Berger U, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 May; 261(3):311–21

[Typing of Streptococcus faecalis and Streptococcus faecium strains with bacteriophages] Brandis H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1985 Oct; 260(2):206–15 (Eng. Abstr.) **(Ger)**

[Biotyping of pathogenic cocci using mathematical methods] Usviatsov BIa, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Jun;(6):26–9 (Eng. Abstr.) **(Rus)**

[Bacteriologic and serologic aspects of streptococcal pharyngitis in Mexico City] León AP, et al. **Bol Of Sanit Panam** 1985 Jul;99(1):53–61 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Effects of carbon dioxide upon the in vitro activity of erythromycin. Dibb WL, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1986 Jun; 94(3):173–6

Susceptibility testing with disc diffusion for new cephalosporins: pre-diffusion revisited. Frimodt-Møller N, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1986 Jun; 94(3):159–66

Transition from resistance to hypersusceptibility to beta-lactam antibiotics associated with loss of a low-affinity penicillin-binding protein in a Streptococcus faecium mutant highly resistant to penicillin. Fontana R, et al. **Antimicrob Agents Chemother** 1985 Nov;28(5):678–83

In vitro antistreptococcal activity of the potassium-sparing diuretics amiloride and triamterene. Giunta S, et al. **Antimicrob Agents Chemother** 1985 Sep;28(3):419–20

Discrepancies between MBC and actual killing of viridans group streptococci by cell-wall-active antibiotics. Meylan PR, et al. **Antimicrob Agents Chemother** 1986 Mar; 29(3):418–23

Comparative in vitro evaluation of cefonicid, cefazolin, and penicillin against viridans group streptococci isolated from blood. Weinstein MP. **Antimicrob Agents Chemother** 1986 Jul;30(1):187–8

Infective endocarditis due to penicillin-tolerant Streptococcus bovis. Fung JC, et al. **Diagn Microbiol Infect Dis** 1986 Jul;5(2):171–6

Gram-positive superinfections following beta-lactam chemotherapy: the significance of the enterococcus. Jones RN. **Infection** 1985;13 Suppl 1:S81–8 (80 ref.)

Comparative in vitro activity of cefpirome (HR 810) against gram-positive isolates from cancer patients. Rolston KV, et al. **Infection** 1986 May-Jun;14(3):139–41

In-vitro evaluation of cefpirome (HR 810), teicoplanin and four other antimicrobials against enterococci. Chandrasekar PH, et al. **J Antimicrob Chemother** 1985 Aug;16(2):179–82

Penicillin-binding proteins and the intrinsic resistance to beta-lactams in gram-positive cocci. Fontana R. **J Antimicrob Chemother** 1985 Oct;16(4):412–6

Increased resistance to penicillin of oral viridans streptococci in dental students. MacGregor AJ, et al. **J Antimicrob Chemother** 1986 Jun;17(6):815–9

Effects of dietary chlortetracycline on the antimicrobial resistance of broiler faecal Streptococcaceae. Molitoris E, et al. **J Appl Bacteriol** 1986 Mar;60(3):185–93

Relationship of shape to initiation of new sites of envelope growth in Streptococcus faecium cells treated with beta-lactam antibiotics. Higgins ML, et al. **J Bacteriol** 1986 Aug;167(2):562–9

Inhibition of beta-lactam antibiotics at two different times in the cell cycle of Streptococcus faecium ATCC 9790. Pucci MJ, et al. **J Bacteriol** 1986 Mar;165(3):682–8

False susceptibility of enterococci to aminoglycosides with blood-enriched Mueller-Hinton agar for disk susceptibility testing. Jenkins RD, et al. **J Clin Microbiol** 1985 Sep; 22(3):369–74

The effects of sorbate on oral streptococci grown in continuous culture. Rogers AH. **J Dent Res** 1986 Jun; 65(6):895–8

One or two low affinity penicillin-binding proteins may be responsible for the range of susceptibility of Enterococcus faecium to benzylpenicillin. Williamson R, et al. **J Gen Microbiol** 1985 Aug;131 (Pt 8):1933–40

In vitro interactions between teicoplanin and other antibiotics against enterococci and staphylococci. Debbia E, et al. **J Hosp Infect** 1986 Mar;7 Suppl A:73–7

Activity of teicoplanin compared with vancomycin alone, and combined with gentamicin, against penicillin tolerant viridans streptococci and enterococci causing endocarditis. Shanson DC, et al. **J Hosp Infect** 1986 Mar;7 Suppl A:65–72

Mechanism of penicillin-streptomycin synergy for clinical isolates of viridans streptococci. Yee Y, et al. **J Infect Dis** 1986 Sep;154(3):531–4

Transferable resistance and aminoglycoside-modifying enzymes in enterococci. Chen HY, et al. **J Med Microbiol** 1985 Oct;20(2):187–96

Safety and antibacterial properties of controlled release SnF2. Tinanoff N, et al. **J Oral Rehabil** 1986 Jan;13(1):73–81

Comparison of effects of penicillin minimal inhibitory and sub-inhibitory concentration on Staphylococcus aureus and Streptococcus faecium does not support the view that antibiotic sub-inhibitory concentrations can specifically interfere with bacterial virulence. Satta G, et al. **Microbiologica** 1986 Jul;9(3):305–19

Amoxycillin-resistant streptococci in dental plaque. Koh J, et al. **Microbios** 1986;45(182):41–53

Effects of norfloxacin and rifampicin on growth and streptolysin S production in hemolytic streptococci. Taketo A, et al. **Z Naturforsch [C]** 1985 Sep-Oct;40(9-10):647–51

[Epidemiological study on hemolytic streptococci isolated from throats of elementary and junior high school pupils at 7 prefectures in Japan. Part IV. Comparison of microbial susceptibility of isolated hemolytic streptococci to antibiotics] Nakajima K, et al. **Kansenshogaku Zasshi** 1985 Sep;59(9):921–34 (Eng. Abstr.) **(Jpn)**

[Analysis of drug sensitivity of microorganisms isolated from children treated at the Institute of Mother and Child] Szozda G, et al. **Pediatr Pol** 1986 Jan;61(1):32–40 (Eng. Abstr.) **(Pol)**

[Comparative characteristics of the antimicrobial effect of antibiotics and their combinations on bacteria isolated from patients with chronic suppurative sinusitis] Tarasov DI, et al. **Vestn Otorinolaringol** 1985 Nov-Dec;(6):33–6 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Galactokinase activity in Streptococcus thermophilus. Hutkins R, et al. **Appl Environ Microbiol** 1985 Oct; 50(4):777–80

Coordinate repression of arginine aminopeptidase and three enzymes of the arginine deiminase pathway in Streptococcus mitis. Hiraoka BY, et al. **Biochem Int** 1986 Jun;12(6):881–7

Isolation of streptococcal hyaluronate synthase. Prehm P, et al. **Biochem J** 1986 May 1;235(3):887–9

Phosphoproteins and the phosphoenolpyruvate:sugar phosphotransferase system of Streptococcus salivarius. Detection of two different ATP-dependent phosphorylations of the phosphocarrier protein HPr. Waygood EB, et al. **Can J Microbiol** 1986 Apr;32(4):310–8

The streptokinase gene. Malke H, et al. **Folia Haematol (Leipz)** 1986;113(1-2):88–98

Presence of X-prolyl-dipeptidyl-peptidase in lactic acid bacteria. Casey MG, et al. **J Dairy Sci** 1985 Dec; 68(12):3212–5

Inhibition of the expression of cell-associated fructosyltransferase in Streptococcus salivarius by octyl beta-D-glucopyranoside. Jacques NA. **J Gen Microbiol** 1985 Dec;131 (Pt 12):3243–50

GENETICS

Cloning and expression of the beta-D-galactosidase gene from Streptococcus thermophilus in Escherichia coli. Herman RE, et al. **Appl Environ Microbiol** 1986 Jul; 52(1):45–50

Isolation and partial characterization of plasmid DNA from Streptococcus thermophilus. Herman RE, et al. **Appl Environ Microbiol** 1985 Oct;50(4):1103–6

Electron microscopic heteroduplex study and restriction endonuclease cleavage analysis of the DNA genomes of three lactic streptococcal bacteriophages. Jarvis AW, et al. **Appl Environ Microbiol** 1986 Mar;51(3):566–71

Streptococcus cremoris M12R transconjugants carrying the conjugal plasmid pTR2030 are insensitive to attack by lytic bacteriophages. Steenson LR, et al. **Appl Environ Microbiol** 1985 Oct;50(4):851–8

Structure of the IgG-binding regions of streptococcal protein G. Guss B, et al. **EMBO J** 1986 Jul;5(7):1567–75

Evolution and epidemiology of MLS resistance. Duval J. **J Antimicrob Chemother** 1985 Jul;16 Suppl A:137–49

Molecular genetics of resistance to macrolides, lincosamides and streptogramin B (MLS) in streptococci. Horaud T, et al. **J Antimicrob Chemother** 1985 Jul;16 Suppl A:111–35 (125 ref.)

Gene for an immunoglobulin-binding protein from a group G streptococcus. Fahnestock SR, et al. **J Bacteriol** 1986 Sep;167(3):870–80

Molecular and genetic characterization of lactose-metabolic genes of Streptococcus cremoris. Inamine JM, et al. **J Bacteriol** 1986 Sep;167(3):855–62

Plasmid-mediated tetracycline resistance in Campylobacter jejuni: expression in Escherichia coli and identification of homology with streptococcal class M determinant. Taylor DE. **J Bacteriol** 1986 Mar;165(3):1037–9

Expression of the streptokinase gene from Streptococcus equisimilis in Bacillus subtilis. Klessen C, et al. **J Basic Microbiol** 1986;26(2):75–81

Surface proteins in the transduction of groups A and G streptococci. Skjold SA, et al. **J Med Microbiol** 1986 Feb; 21(1):69–74

Certain chromosomal regions in Streptomyces glaucescens tend to carry amplifications and deletions. Hasegawa M, et al. **MGG** 1985;200(3):375–84

Cloning and expression of the genetically unstable tyrosinase structural gene from Streptomyces glaucescens. Hintermann G, et al. **MGG** 1985;200(3):422–32

Methylation of 16S ribosomal RNA and resistance to aminoglycoside antibiotics in clones of Streptomyces lividans carrying DNA from Streptomyces tenjimariensis. Skeggs PA, et al. **MGG** 1985;200(3):415–21

GROWTH & DEVELOPMENT

Colonization of infant mice by K99+ Escherichia coli and lack of colonization by Streptococcus faecium M74. Nagy B, et al. **Acta Vet Hung** 1985;33(3-4):143–7

Growth inhibition of environmental mastitis pathogens during physiologic transitions of the bovine mammary gland. Breau WC, et al. **Am J Vet Res** 1986 Feb; 47(2):218–22

Effect of the rehydration medium on the recovery of freeze-dried lactic acid bacteria. de Valdez GF, et al. **Appl Environ Microbiol** 1985 Nov;50(5):1339–41

Variable colonization by oral streptococci in molar fissures of monoinfected gnotobiotic rats. van Houte J, et al. **Infect Immun** 1986 May;52(2):620–2

A laboratory microcosm (artificial mouth) for the culture and continuous pH measurement of oral bacteria on surfaces. Hudson DE, et al. **J Appl Bacteriol** 1986 Apr; 60(4):301–10

The establishment of reproducible, complex communities of oral bacteria in the chemostat using defined inocula. McKee AS, et al. **J Appl Bacteriol** 1985 Sep;59(3):263–75

Determinants of bacterial replication rates in mastitic whey. Mattila T, et al. **J Dairy Res** 1986 May;53(2):197–202

In Streptococcus faecium penicillin-binding protein 5 alone is sufficient for growth at sub-maximal but not at maximal rate. Canepari P, et al. **J Gen Microbiol** 1986 Mar;132 (Pt 3):625–31

Potent antagonism of Escherichia coli, Bacteroides ovatus, Fusobacterium varium, and Enterococcus faecalis, alone or in combination, for enteropathogens in anaerobic continuous flow cultures. Ushijima T, et al. **J Med Microbiol** 1986 Sep;22(2):157–63

IMMUNOLOGY

Secretory and serum antibodies against Streptococcus lactis, Streptococcus thermophilus, and Lactobacillus bulgaricus in relation to ingestion of fermented milk products. Carlsson P, et al. **Acta Odontol Scand** 1985 Jul;43(3):147–53

Opsonization of bacteria by uterine secretions of cyclic mares. Brown AE, et al. **Am J Reprod Immunol Microbiol** 1985 Dec;9(4):119–23

Influence of dipeptides on the interaction of immunoglobulins with bacterial Fc receptors. Yarnall M, et al. **Biochem Biophys Res Commun** 1986 Mar 28;135(3):1105–11

Studies on the immunogenicity of Streptococcus equi vaccines in foals. Srivastava SK, et al. **Can J Comp Med** 1985 Oct;49(4):351–6

Structure of the group-specific polysaccharide of group E Streptococcus. Pritchard DG, et al. **Carbohydr Res** 1985 Dec 1;144(2):289–96

Comparative study of antigen binding T cells separated by Vicia villosa or streptococcal antigen and the effect of HLA class II antigens. Lehner T, et al. **Clin Exp Immunol** 1986 Feb;63(2):312–20

Biological activity of synthetic subunits of streptococcus peptidoglycan. III. Relationship of subunit and analogue structure to adjuvant activity in cell-mediated immunity. Pekárek J, et al. **Exp Cell Biol** 1985;53(5):260–4

Interaction between streptococcal IgG Fc receptors and human and rabbit IgG domains. Schröder AK, et al. **Immunology** 1986 Feb;57(2):305–9

Antibodies to bacterial vaccines demonstrating specificity for human choriogonadotropin (hCG) and immunochemical detection of hCG-like factor in subcellular bacterial fractions. Domingue GJ, et al. **Infect Immun** 1986 Jul; 53(1):95–8

Structural studies of the rhamnose-glucose polysaccharide antigen from Streptococcus sobrinus B13 and 6715-T2.

Linzer R, et al. **Infect Immun** 1985 Nov;50(2):583–5

Immunological cross–reactivity of anionic proteins from caries–free and caries–active salivas which differ in biological properties toward oral streptococci. Obenauf SD, et al. **Infect Immun** 1986 Feb;51(2):440–4

Modulation of complement fixation and the phlogistic capacity of group A, B, and D streptococci by human lysozyme acting on their cell walls. Spitznagel JK, et al. **Infect Immun** 1986 Jun;52(3):803–11

Negative staining and immunoelectron microscopy of adhesion–deficient mutants of Streptococcus salivarius reveal that the adhesive protein antigens are separate classes of cell surface fibril. Weerkamp AH, et al. **J Bacteriol** 1986 Mar;165(3):746–55

Structural properties of fibrillar proteins isolated from the cell surface and cytoplasm of Streptococcus salivarius (K+) cells and nonadhesive mutants. Weerkamp AH, et al. **J Bacteriol** 1986 Mar;165(3):756–62

Enzyme release of antigen from Streptococcus faecalis and Listeria monocytogenes cross–reactive with Lancefield group G typing reagents. Hopfer RL, et al. **J Clin Microbiol** 1985 Oct;22(4):677–9

Humoral responses and cross–reactivity to viridans streptococci in recurrent aphthous ulceration. Hoover CI, et al. **J Dent Res** 1986 Aug;65(8):1101–4

Induction of antibodies to hyaluronic acid by immunization of rabbits with encapsulated streptococci. Fillit HM, et al. **J Exp Med** 1986 Sep 1;164(3):762–76

Effects of inactivated streptococci (OK–432) on macrophage functions in mice. Colotta F, et al. **J Immunopharmacol** 1985;7(4):437–49

Human IgG antibody to group b Streptococcus type III: comparison of protective levels in a murine model with levels in infected human neonates. Gotoff SP, et al. **J Infect Dis** 1986 Mar;153(3):511–9

Assay for antibodies to group C and G streptococcal carbohydrate by enzyme–linked immunosorbent assay. Ayoub EM, et al. **J Lab Clin Med** 1986 Mar;107(3):204–9

Detection of early hemagglutination inhibitory antibodies to rubella virus by pretreatment of sera with streptococcal cells. Kawano K, et al. **J Med Virol** 1986 Jun;19(2):101–10

Interaction of bacterial Fc receptors with goat immunoglobulins. Boyle MD, et al. **Mol Immunol** 1985 Sep; 22(9):1115–21

Extraction and characterization of IgG Fc receptors from group C and group G streptococci. Reis KJ, et al. **Mol Immunol** 1986 Apr;23(4):425–31

[A study of four anti–streptococcal antibodies in rheumatic fever and diseases related with streptococci in childhood] Miyazaki H. **Igaku Kenkyu** 1985 Dec;55(4):200–25 (Eng. Abstr.) **(Jpn)**

[Studies on tests of in vitro lymphocyte transformation to streptococcal T antigens in asthmatic children] Takizawa Y, et al. **Kansenshogaku Zasshi** 1985 Sep;59(9):846–51 (Eng. Abstr.) **(Jpn)**

[Studies on the measurement of antibody to streptococcal cell wall peptidoglycan in rat and human serum using the enzyme–linked immunosorbent assay (ELISA)] Nozawa T. **Nippon Ika Daigaku Zasshi** 1985 Oct;52(5):521–9 (Eng. Abstr.) **(Jpn)**

[Effect of streptococcal sensitization on the outcome of autodermoplasty in burns] Poremskil VV, et al. **Sov Med** 1985;(9):112–5 **(Rus)**

ISOLATION & PURIFICATION

Antistreptolysin O titer in horses. Romanowska D, et al. **Acta Microbiol Pol** 1986;35(1–2):91–5

Streptococci and activities of sucrases and alpha–amylases in supragingival dental plaque and saliva in three caries activity groups. Fiehn NE, et al. **Acta Odontol Scand** 1986 Feb;44(1):1–9

The throat carrier rate of group A and other beta hemolytic streptococci among patients in general practice. Hoffmann S. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Oct; 93(5):347–51

Sterility of preloaded insulin syringes. Kasmer RJ, et al. **Am J Infect Control** 1986 Aug;14(4):180–3

Non–group A beta–hemolytic streptococcal cellulitis [letter] Rolston KV, et al. **Am J Med** 1986 May;80(5):A61

The relationships between streptococcal species and periodontopathic bacteria in human dental plaque. Hillman JD, et al. **Arch Oral Biol** 1985;30(11–12):791–5

Streptococcus suis in slaughter pigs and abattoir workers. Breton J, et al. **Can J Vet Res** 1986 Jul;50(3):338–41

Value of the L–pyrrolidonyl–beta–naphthylamide hydrolysis test for identification of select gram–positive cocci. Oberhofer TR. **Diagn Microbiol Infect Dis** 1986 Jan; 4(1):43–7

Accuracy and reproducibility of the IDS rapID STR system for species identification of streptococci. Appelbaum PC, et al. **J Clin Microbiol** 1986 May;23(5):843–6

Conjunctivitis caused by a nutritionally variant streptococcus. Barrios H, et al. **J Clin Microbiol** 1986 Feb; 23(2):379–80

Preliminary evaluation of a rapid colorimetric method for the presumptive identification of group A streptococci and enterococci. Ellner PD, et al. **J Clin Microbiol** 1985 Nov; 22(5):880–1

Indifferent streptococci in sticky eyes of neonates [letter] Rothburn MM, et al. **J Clin Pathol** 1986 Jan;39(1):116–7

Improving detection of "Viridans streptococcus" bacteraemia by adding sodium polyanethol sulphonate to blood cultures. Shanson DC, et al. **J Clin Pathol** 1985 Dec;38(12):1346–8

In vitro growth of mastitis–associated streptococci in bovine mammary secretions. Todhunter DA, et al. **J Dairy Sci** 1985 Sep;68(9):2337–46

Experimental oral candidal infection and carriage of oral bacteria in rats subjected to a carbohydrate–rich diet and tetracycline treatment. Hassan OE, et al. **J Med Microbiol** 1985 Dec;20(3):291–8

Quantitative bacteriology of acute dento–alveolar abscesses. Lewis MA, et al. **J Med Microbiol** 1986 Mar;21(2):101–4

Optimal sites for throat cultures [letter] Macknin ML. **J Pediatr** 1985 Nov;107(5):829

Identification and characterization of Streptococcus suis. Hommez J, et al. **Vet Microbiol** 1986 Apr;11(4):349–55

Survival of Streptococcus suis type 2 in pig carcases. Clifton–Hadley FA, et al. **Vet Rec** 1986 Mar 8;118(10):275

[Epidemiological study on hemolytic streptococci isolated from throats of elementary and junior high school pupils at 7 prefectures in Japan. Part I. Regional comparison of detection rate of group–A, B, C and G hemolytic streptococci] Nakajima K, et al. **Kansenshogaku Zasshi** 1985 Sep;59(9):892–904 (Eng. Abstr.) **(Jpn)**

[Microflora of the sputum and indicators of natural resistance in patients with acute pneumonia] Kondratenko GP, et al. **Ter Arkh** 1986;58(4):97–100 (Eng. Abstr.) **(Rus)**

METABOLISM

Xylitol metabolism in xylitol–sensitive and xylitol–resistant strains of streptococci. Assev S, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1986 Aug; 94(4):239–43

Galactose transport in Streptococcus thermophilus. Hutkins R, et al. **Appl Environ Microbiol** 1985 Oct;50(4):772–6

Effect of aerobic and anaerobic atmosphere on acid production from sorbitol in suspensions of dental plaque and oral streptococci. Kalfas S, et al. **Caries Res** 1986; 20(3):237–43

Calcium transport in membrane vesicles of Streptococcus cremoris. Driessen AJ, et al. **Eur J Biochem** 1986 Aug 15; 159(1):149–55

Acid tolerance, proton permeabilities, and membrane ATPases of oral streptococci. Bender GR, et al. **Infect Immun** 1986 Aug;53(2):331–8

Comparison of in vivo degradation of 125I–labeled peptidoglycan–polysaccharide fragments from group A and group D streptococci. Stimpson SA, et al. **Infect Immun** 1986 May;52(2):390–6

Autoradiographic studies of the synthesis of RNA and protein as a function of cell volume in Streptococcus faecium. Higgins ML, et al. **J Bacteriol** 1986 Sep; 167(3):960–7

Solubilization of hyaluronic acid synthetic activity from streptococci and its activation with phospholipids. Triscott MX, et al. **J Biol Chem** 1986 May 5;261(13):6004–9

Fluoride uptake and fluoride resistance in oral streptococci. Kashket S, et al. **J Dent Res** 1985 Nov;64(11):1290–2

Anaerobic and aerobic metabolism of sorbitol in Streptococcus sanguis and Streptococcus mitior. Svensäter G, et al. **J Dent Res** 1985 Nov;64(11):1286–9

Release of Fc–receptors after streptococcal lysis induced by a lytic enzyme from Streptomyces globisporus. Tille D, et al. **Med Microbiol Immunol (Berl)** 1986;175(1):35–41

Specific binding sites for monomeric and aggregated beta 2–microglobulin on surface of groups A, B, C, and G streptococci. Chhatwal GS, et al. **Microbiol Immunol** 1986; 30(2):155–64

Fibrinogen binding inhibits the fixation of the third component of human complement on surface of groups A, B, C, and G streptococci. Chhatwal GS, et al. **Microbiol Immunol** 1985;29(10):973–80

Purification of Streptococcus faecium penicillin binding protein 5, a multifunctional penicillin–binding protein. Grossato A, et al. **Microbiologica** 1986 Jan;9(1):21–8

Absorption of fibronectin from human saliva by strains of oral streptococci. Ericson D, et al. **Scand J Dent Res** 1986 Aug;94(4):377–9

[Adhesion of Streptococci to different types of cells] Savoia D, et al. **G Batteriol Virol Immunol** 1984 Jul–Dec; 77(7–12):155–63 (Eng. Abstr.) **(Ita)**

[Thiomicide biosynthesis during the cultivation of Streptococcus sp. strain Thom–1606 on a medium of various carbohydrate concentrations] Blinkova LP, et al. **Antibiot Med Biotekhnol** 1986 Jan;31(1):7–13 (Eng. Abstr.) **(Rus)**

[Isolation and characteristics of an antibacterial substance produced by a strain of Streptococcus sp. Thom–1606. A study of the biological activity of the metabolic products of Streptococcus sp. Thom–1606] Eremin VI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Jul;(7):51–5 (Eng. Abstr.) **(Rus)**

[Lipoteichoic acid in beta hemolytic streptococci] Bicová R. **Cesk Epidemiol Mikrobiol Imunol** 1985 Sep;34(5):310–9 (68 ref.) (Eng. Abstr.) **(Scr)**

PATHOGENICITY

Clinical significance of Streptococcus milleri. Van der Auwera P. **Eur J Clin Microbiol** 1985 Aug;4(4):386–90

Streptococcus milleri, pathogen in various guises [editorial] **Lancet** 1985 Dec 21–28;2(8469–70):1403–4

Streptococci as urinary pathogens. Collins LE, et al. **Lancet** 1986 Aug 30;2(8505):479–81

[Immediate theoretical and practical tasks in studying pathogenic streptococci] Totolian AA, et al. **Vestn Akad Med Nauk SSSR** 1986;(7):3–10 (38 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Relationship of adhesion in vitro and cariogenicity of oral Streptococcus species in germ–free rats. Willcox MD, et al. **Arch Oral Biol** 1985;30(8):635–9

Strains of Streptococcus mutans and Streptococcus sobrinus attach to different pellicle receptors. Gibbons RJ, et al. **Infect Immun** 1986 May;52(2):555–61

Methods for estimating the duration of bacterial carriage. De Wals P, et al. **Int J Epidemiol** 1985 Dec;14(4):628–34

Comparative adhesion of seven species of streptococci isolated from the blood of patients with sub–acute bacterial endocarditis to fibrin–platelet clots in vitro. Crawford I, et al. **J Appl Bacteriol** 1986 Feb;60(2):127–33

Interaction of salivary fibronectin with oral streptococci. Babu JP, et al. **J Dent Res** 1986 Aug;65(8):1094–100

In vitro studies of growth and competition between S. salivarius TOVE–R and mutans streptococci. Kurasz AB, et al. **J Dent Res** 1986 Sep;65(9):1149–53

Constraints on flagellar rotation. Khan S, et al. **J Mol Biol** 1985 Aug 20;184(4):645–56

Cell surface hydrophobicity of group D and viridans streptococci isolated from patients with septicaemia. Ljungh A, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 May;261(3):280–6

ULTRASTRUCTURE

Functional incorporation of beef–heart cytochrome c oxidase into membranes of Streptococcus cremoris. Driessen AJ, et al. **Eur J Biochem** 1986 Feb 3;154(3):617–24

Binding of IgM rheumatoid factor to group A, C and G streptococci with IgG Fc receptors. Schröder AK, et al. **Int Arch Allergy Appl Immunol** 1986;80(1):52–6

Structure of eight streptococcal bacteriophages. Moynet DJ, et al. **Virology** 1985 Apr 30;142(2):263–9

STREPTOCOCCUS AGALACTIAE

Review of group B streptococci and their infections. Onile BA. **Afr J Med Med Sci** 1985 Sep–Dec;14(3–4):131–43 (99 ref.)

GBS: the childhood and adolescent years. Dillon HC Jr. **Antibiot Chemother** 1985;35:1–9

The nomenclature of GBS. Jelínková J, et al. **Antibiot Chemother** 1985;35:49–52

ANALYSIS

Influence of polysaccaride capsule and ionic strength on buoyant density of group B streptococci. Håkansson S, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1986 Jun; 94(3):139–43

Purification and characterization of cAMP–factor from Streptococcus agalactiae by hydrophobic interaction chromatography and chromatofocusing. Jürgens D, et al. **J Chromatogr** 1985 Dec 4;348(2):363–70

CLASSIFICATION

Immunoelectrophoretic analysis of Streptococcus agalactiae serotype Ia antigens. Somerset SM, et al. **J Gen Microbiol** 1986 Mar;132 (Pt 3):633–40

A search for new group–B streptococcal serotypes. Motlová J, et al. **J Med Microbiol** 1986 Sep;22(2):101–5

[Typing of group B streptococci by counterimmunoelectrophoresis—comparison with precipitin method and slide agglutination method] Kobayashi S, et al. **Kansenshogaku Zasshi** 1985 Sep; 59(9):852–9 (Eng. Abstr.) **(Jpn)**

[Epidemiological study on hemolytic streptococci isolated from throats of elementary and junior high school pupils at 7 prefectures in Japan. Part III. Regional comparison of detection rate of group–B hemolytic streptococci from the standpoint of type classification] Nakajima K, et al. **Kansenshogaku Zasshi** 1985 Sep;59(9):914–20 (Eng. Abstr.) **(Jpn)**

[Distribution by serological type of group B streptococci isolated from clinical specimens at hospitals; Japan, 1977–1983] Okuyama Y, et al. **Kansenshogaku Zasshi** 1985 Sep;59(9):943–50 (Eng. Abstr.) **(Jpn)**

[Use of a coagglutination reaction based on a Soviet staphylococcal reagent for serogrouping Streptococcus group B and meningococci] Fiks LI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Feb;(2):8–11 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Antimicrobial susceptibility of GBS. Kim KS. **Antibiot Chemother** 1985;35:83–9

The combined actions of saliva, human amylase and antibiotics on Streptococcus pyogenes and Streptococcus agalactiae. Rotimi VO, et al. **East Afr Med J** 1985 Apr; 62(4):236–42

Antimicrobial susceptibility of group B streptococci. Persson KM, et al. **Eur J Clin Microbiol** 1986 Apr;5(2):165–7

In vitro growth inhibition of mastitis causing bacteria by phenolics and metal chelators. Chew BP, et al. **J Dairy Sci** 1985 Nov;68(11):3037–46

Reduced colonization of newborns with group B streptococci following washing of the birth canal with chlorhexidine. Christensen KK, et al. **J Perinat Med** 1985;13(5):239–43

ENZYMOLOGY

beta-D-galactosidase activity in streptococci of serological group B. Lämmler C, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Apr; 261(2):167–9

GENETICS

The genetics of GBS. Lütticken R. **Antibiot Chemother** 1985; 35:71–82

GROWTH & DEVELOPMENT

Early neonatal group B streptococcal disease: degree of colonisation as an important determinant. Gerards LJ, et al. **J Infect** 1985 Sep;11(2):119–24

IMMUNOLOGY

Opsonization of group B streptococci in properdin deficient serum. Söderström C, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1985 Dec; 93(6):251–6

Monoclonal antibodies produced to Streptococcus agalactiae. Ainsworth AJ, et al. **Am J Vet Res** 1986 Jun;47(6):1211–3

Vaccination as a measure for prevention of neonatal GBS infection. Baker CJ, et al. **Antibiot Chemother** 1985; 35:281–90

The Ibc proteins. Bevanger L. **Antibiot Chemother** 1985; 35:101–13

The R-proteins. Christensen KK, et al. **Antibiot Chemother** 1985;35:114–8

Intravenous administration of human IgG to newborn infants: changes in serum antibody levels to GBS. Christensen KK, et al. **Antibiot Chemother** 1985;35:247–53

The role of complement in opsonization of GBS. Edwards MS, et al. **Antibiot Chemother** 1985;35:170–89

Cellular and humoral aspects of host defense mechanisms against GBS. Gotoff SP, et al. **Antibiot Chemother** 1985; 35:142–56

Maternal humoral immunity and neonatal GBS infection: studies in a primate model. Hemming VG, et al. **Antibiot Chemother** 1985;35:194–200

Nomenclature of GBS antigens. Henrichsen J. **Antibiot Chemother** 1985;35:303–4

Methods of assessment and importance of opsonic activity for GBS. Hill HR, et al. **Antibiot Chemother** 1985;35:157–69

Phagocytosis and killing of GBS in an experimental animal model. Holm SE, et al. **Antibiot Chemother** 1985;35:201–10

Cell structure and antigenic composition of GBS. Kasper DL, et al. **Antibiot Chemother** 1985;35:90–100

Monoclonal antibody preparations for immunotherapy of experimental GBS infection. Shigeoka AO, et al. **Antibiot Chemother** 1985;35:254–66

The soluble antigens of GBS as human vaccines. Swenson RM, et al. **Antibiot Chemother** 1985;35:291–5

Immunoelectron microscopical demonstration of the cell wall and capsular antigens of GBS. Wagner M, et al. **Antibiot Chemother** 1985;35:119–27

The detection of streptococcal antigens using monoclonal antibodies. Harris MC, et al. **Clin Lab Med** 1985 Sep; 5(3):545–60 (52 ref.)

Relative functional activity of purified human immunoglobulin G against a type III group B streptococcal strain. Kim KS, et al. **Infect Immun** 1986 Jun;52(3):908–10

Detection of group B streptococcal antigen in necropsy specimens using monoclonal antibody and immunoperoxidase staining. Feldman RG, et al. **J Clin Pathol** 1986 Feb;39(2):223–6

Immunochemical analysis of the types Ia and Ib group B streptococcal polysaccharides. Schifferle RE, et al. **J Immunol** 1985 Dec;135(6):4164–70

Phagocytosis of type III group B streptococci by neonatal monocytes: enhancement by fibronectin and gammaglobulin. Jacobs RF, et al. **J Infect Dis** 1985 Oct; 152(4):695–700

Functional activities of various preparations of human intravenous immunoglobulin against type III group B Streptococcus. Kim KS, et al. **J Infect Dis** 1986 Jun; 153(6):1092–7

Type-specific monoclonal antibody enhances the local phagocytic response to group B streptococcal infection. Shigeoka AO, et al. **J Infect Dis** 1986 Jun;153(6):1170–3

Type-specific antibody prevents platelet aggregation induced by group B streptococci type III. Wood EG, et al. **J Lab Clin Med** 1986 Apr;107(4):322–6

Rapid detection of beta haemolytic streptococci [editorial] **Lancet** 1986 Feb 1;1(8475):247–8

Protective efficacy against group B streptococcal infection in neonatal mice delivered from preimmunized pregnants. Itoh T, et al. **Microbiol Immunol** 1986;30(4):297–305

Intravenous immunoglobulin in the treatment of neonatal sepsis: therapeutic strategies and laboratory studies. Fischer GW, et al. **Pediatr Infect Dis** 1986 May-Jun;5(3 Suppl):S171–5

Intravenous immunoglobulin with high activity against group B streptococci. Gloser H, et al. **Pediatr Infect Dis** 1986 May-Jun;5(3 Suppl):S176–9

IgG subclasses and antibodies to group B streptococci in preterm neonates after intravenous infusion of immunoglobulin to the mothers. Morell A, et al. **Pediatr Infect Dis** 1986 May-Jun;5(3 Suppl):S195–7

[Serologic cross reactions of group B streptococci] Uhlenbruck G, et al. **Immun Infekt** 1985 Nov;13(6):276–82 (Eng. Abstr.) **(Ger)**

[Indicators of the persistence of L-forms of group B Streptococcus in experimental infection of animals] Gorina LG, et al. **Vestn Akad Med Nauk SSSR** 1985;(10):58–61 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Group and type distribution of beta-haemolytic streptococci in scarlet fever, Belgrade, Yugoslavia, 1973–1982 (a note). Adanja B, et al. **Acta Microbiol Hung** 1985;32(2):193–5

More on the spot-CAMP. Jasper DE. **Am J Clin Pathol** 1986 Mar;85(3):393

Epidemiology of GBS in man. Anthony BF. **Antibiot Chemother** 1985;35:10–6

Faecal carriage of group B streptococci. Persson KM, et al. **Eur J Clin Microbiol** 1986 Apr;5(2):156–9

Presumptive identification of group B streptococci by four hour tube CAMP test. Prakash K, et al. **Indian J Med Res** 1985 Dec;82:492–4

Colonization of Nigerian neonates with group B streptococci and its rapid detection. Hoppe JE, et al. **Infection** 1986 Mar-Apr;14(2):74–8

Reduction of morbidity and mortality rates for neonatal group B streptococcal disease through early diagnosis and chemoprophylaxis. Lim DV, et al. **J Clin Microbiol** 1986 Mar;23(3):489–92

Evaluation of spot CAMP test for identification of group B streptococci. Ratner HB, et al. **J Clin Microbiol** 1986 Aug;24(2):296–7

Washing and group B streptococci. Donaldson JR, et al. **J Hosp Infect** 1986 May;7(3):303–5

Transfer of group B streptococci from mothers to neonates: effect of whole body washing of mothers with chlorhexidine. Sanderson PJ, et al. **J Hosp Infect** 1985 Sep; 6(3):257–64

Colonization and infection of mothers and neonates with group B streptococci in three Italian hospitals. Visconti A, et al. **J Hosp Infect** 1985 Sep;6(3):265–76

Group B streptococcal colonisation and the outcome of pregnancy. Hastings MJ, et al. **J Infect** 1986 Jan;12(1):23–9

Sternoclavicular joint infection with group B streptococcus [letter] Tabatabai MF, et al. **J Rheumatol** 1986 Apr; 13(2):466

Epidemiological study of hemolytic streptococci in pupils in seven prefectures in Japan. Nakajima K, et al. **Osaka City Med J** 1985 Aug;31(1):1–10

[Hemolytic streptococci isolated from clinical specimen in Toyama Prefecture] Kodama H, et al. **Kansenshogaku Zasshi** 1985 Sep;59(9):935–42 (Eng. Abstr.) **(Jpn)**

[Studies on a new selective enrichment medium for the isolation of beta-hemolytic streptococci] Kojima H, et al. **Kansenshogaku Zasshi** 1985 Sep;59(9):860–8 (Eng. Abstr.) **(Jpn)**

[Identification of streptococci group B using the CAMP test. Christie-Atkins-Munch-Petersen] Bulgakova TN, et al. **Vestn Akad Med Nauk SSSR** 1986;(7):71–4 (Eng. Abstr.) **(Rus)**

[Isolation of group B Streptococcus from clinical specimens and the methods of its identification] Shevchuk MS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Sep;(9):115–6 **(Rus)**

METABOLISM

GBS enzymes, hemolysin, toxins and other products. Ferrieri P. **Antibiot Chemother** 1985;35:57–70

Surface-bound capsular polysaccharide of type Ia group B Streptococcus mediates C1 binding and activation of the classic complement pathway. Levy NJ, et al. **J Immunol** 1986 Jun 1;136(11):4157–62

Pigment production by Lancefield-group-B streptococci (Streptococcus agalactiae). Tapsall JW. **J Med Microbiol** 1986 Feb;21(1):75–81

Specific binding sites for monomeric and aggregated beta 2-microglobulin on surface of groups A, B, C, and G streptococci. Chhatwal GS, et al. **Microbiol Immunol** 1986; 30(2):155–64

The influence of nutritional and cultural factors on CAMP factor production by group B streptococci. Tapsall JW, et al. **Pathology** 1985 Oct;17(4):633–5

PATHOGENICITY

Pathogenic mechanisms in neonatal GBS infection. Ayoub EM, et al. **Antibiot Chemother** 1985;35:128–41

Kinetic and chemical analyses of the biologic significance of lipoteichoic acids in mediating adherence of serotype III group B streptococci. Nealon TJ, et al. **Infect Immun** 1985 Oct;50(1):107–15

Influence of sialic contents on the chemiluminescent response of human leucocytes to group B streptococci. De Paoli P, et al. **Microbiologica** 1985 Oct;8(4):379–86

[Virus-specific modification of cell membranes as a factor in the adhesion of streptococci B] Dubrovina TIa, et al. **Vestn Akad Med Nauk SSSR** 1986;(7):50–7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The bacteriology of GBS. Henrichsen J. **Antibiot Chemother** 1985;35:53–6

Coaggregation between Actinomyces viscosus with Streptococcus pyogenes and Streptococcus agalactiae. Chisari G, et al. **Microbiologica** 1986 Jul;9(3):393–8

ULTRASTRUCTURE

[Physico-chemical properties of the cell surface of Streptococcus agalactiae] Lawrynowicz J, et al. **Med Dosw Mikrobiol** 1985;37(3-4):131–7 (Eng. Abstr.) **(Pol)**

STREPTOCOCCUS FAECALIS

[Streptococcus faecalis in urinary tract infections] Tripi M, et al. **Minerva Urol Nefrol** 1986 Jan-Mar;38(1):5–7 (Eng. Abstr.) **(Ita)**

ANALYSIS

Purification and properties of LIQ 4, an antibacterial substance produced by Streptococcus faecalis var. liquefaciens K4. Kühnen E, et al. **J Gen Microbiol** 1985 Aug;131 (Pt 8):1925–32

CLASSIFICATION

[Typing of Streptococcus faecalis and Streptococcus faecium strains with bacteriophages] Brandis H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1985 Oct; 260(2):206–15 (Eng. Abstr.) **(Ger)**

[Evaluation of rapid, simple species classification for group D streptococci and clinical significance of the isolates] Kawakami H. **Kansenshogaku Zasshi** 1985 Aug;59(8):810–6 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Broad geographical distribution of homologous erythromycin, kanamycin, and streptomycin resistance determinants among group D streptococci of human and animal origin. LeBlanc DJ, et al. **Antimicrob Agents Chemother** 1986 Apr;29(4):549–55

Heterogeneity of plasmids determining high-level resistance to gentamicin in clinical isolates of Streptococcus faecalis. Zervos MJ, et al. **Antimicrob Agents Chemother** 1986 Jul; 30(1):78–81

Reversal of the in vitro susceptibility of enterococci to trimethoprim-sulfamethoxazole by folinic acid. Zervos MJ, et al. **Antimicrob Agents Chemother** 1985 Sep;28(3):446–8

Effect of cadmium and zinc on microbial adhesion, growth, and metal uptake. Bhattacherjee JW. **Bull Environ Contam Toxicol** 1986 Mar;36(3):396–400

Streptococcus faecalis: in vitro susceptibility to antimicrobial drugs, single and combined, with and without defibrinated human blood. Traub WH, et al. **Chemotherapy** 1986; 32(3):270–85

In-vitro evaluation of cefpirome (HR 810), teicoplanin and four other antimicrobials against enterococci. Chandrasekar PH, et al. **J Antimicrob Chemother** 1985 Aug;16(2):179–82

False-resistance of Streptococcus faecalis and Pseudomonas maltophilia to norfloxacin by disc diffusion susceptibility testing [letter] Grimard D, et al. **J Antimicrob Chemother** 1985 Jul;16(1):132–3

Streptococcal tetracycline resistance mediated at the level of protein synthesis. Burdett V. **J Bacteriol** 1986 Feb; 165(2):564–9

High-level resistance to gentamicin in Streptococcus faecalis: risk factors and evidence for exogenous acquisition of infection. Zervos MJ, et al. **J Infect Dis** 1986 Jun; 153(6):1075–83

Transferable resistance and aminoglycoside-modifying enzymes in enterococci. Chen HY, et al. **J Med Microbiol** 1985 Oct;20(2):187–96

ENZYMOLOGY

Comparative kinetic studies on the two interconvertible forms of Streptococcus faecalis inorganic pyrophosphatase. Lahti R, et al. **Biochem J** 1985 Oct 15;231(2):485–8

Kinetic model for the action of the inorganic pyrophosphatase from Streptococcus faecalis. Lahti R, et al. **Biochemistry** 1985 Jul 2;24(14):3526–30

Isolation and properties of an H2O-forming NADH oxidase from Streptococcus faecalis. Schmidt HL, et al. **Eur J Biochem** 1986 Apr 1;156(1):149–55

Stimulation of dihydroxyacetone and glycerol kinase activity in Streptococcus faecalis by phosphoenolpyruvate-dependent phosphorylation catalyzed by enzyme I and HPr of the phosphotransferase system. Deutscher J, et al. **J Bacteriol** 1986 Jun; 166(3):829–36

The vanadate-sensitive ATPase of Streptococcus faecalis pumps potassium in a reconstituted system. Fürst P, et al. **J Biol Chem** 1986 Mar 25;261(9):4302–8

Streptococcal cytoplasmic pH is regulated by changes in amount and activity of a proton-translocating ATPase. Kobayashi H, et al. **J Biol Chem** 1986 Jan 15;261(2):627–30

In vitro studies of plasmid-mediated penicillinase from Streptococcus faecalis suggest a staphylococcal origin. Murray BE, et al. **J Clin Invest** 1986 Jan;77(1):289–93

(beta-Chloro-alpha-aminoethyl)phosphonic acids as inhibitors of alanine racemase and D-alanine:D-alanine

ligase. Vo-Quang Y, et al. **J Med Chem** 1986 Jan; 29(1):148–51

GENETICS

Conjugal transfer of plasmid-mediated antibiotic resistance from streptococci to Clostridium acetobutylicum. Reysset G, et al. **Ann Inst Pasteur Microbiol** 1985 Nov–Dec; 136B(3):275–82

Streptococcus faecalis R plasmid pJH1 contains a pAM alpha 1 delta 1-like replicon. Banai M, et al. **J Bacteriol** 1985 Nov;164(2):626–32

Nucleotide sequence analysis of the gene specifying the bifunctional 6'-aminoglycoside acetyltransferase 2''-aminoglycoside phosphotransferase enzyme in Streptococcus faecalis and identification and cloning of gene regions specifying the two activities. Ferretti JJ, et al. **J Bacteriol** 1986 Aug;167(2):631–8

Characterization of plasmids determining hemolysin and bacteriocin production in Streptococcus faecalis 5952. Oliver DR, et al. **J Bacteriol** 1977 May;130(2):948–50

Analysis of plasmid deoxyribonucleic acid in a cariogenic strain of Streptococcus faecalis: an approach to identifying genetic determinants on cryptic plasmids. Oliver DR, et al. **J Bacteriol** 1977 May;130(2):759–65

Complete nucleotide sequence of macrolide-lincosamide-streptogramin B-resistance transposon Tn917 in Streptococcus faecalis. Shaw JH, et al. **J Bacteriol** 1985 Nov;164(2):782–96

Chromosomal insertions of Tn917 in Bacillus subtilis. Vandeyar MA, et al. **J Bacteriol** 1986 Aug;167(2):530–4

Highly efficient protoplast transformation system for Streptococcus faecalis and a new Escherichia coli-S. faecalis shuttle vector. Wirth R, et al. **J Bacteriol** 1986 Mar;165(3):831–6

Identification of regions of the Streptococcus faecalis plasmid pCF-10 that encode antibiotic resistance and pheromone response functions. Christie PJ, et al. **Plasmid** 1986 May; 15(3):230–41

[Plasmid replication and partition in E coli and sex pheromones and plasmid transfer in Streptococcus faecalis] Ike Y. **Nippon Saikingaku Zasshi** 1986 Mar;41(2):497–511 (36 ref.) **(Jpn)**

IMMUNOLOGY

Enzyme release of antigen from Streptococcus faecalis and Listeria monocytogenes cross-reactive with Lancefield group G typing reagents. Hopfer RL, et al. **J Clin Microbiol** 1985 Oct;22(4):677–9

Antigenic composition of an endocarditis-associated isolate of Streptococcus faecalis and identification of its glycoprotein antigens by ligand blotting with lectins. Aitchison EJ, et al. **J Med Microbiol** 1986 Mar;21(2):161–7

Induction of surface exclusion (entry exclusion) by Streptococcus faecalis sex pheromones: use of monoclonal antibodies to identify an inducible surface antigen involved in the exclusion process. Dunny GM, et al. **Proc Natl Acad Sci USA** 1985 Dec;82(24):8582–6

METABOLISM

Primary and secondary transport of cations in bacteria. Harold FM, et al. **Ann NY Acad Sci** 1985;456:375–83 (41 ref.)

Effect of amiloride on the intracellular sodium and potassium content of intact Streptococcus faecalis cells in vitro. Giunta S, et al. **Antimicrob Agents Chemother** 1986 May; 29(5):958–9

Production of bacteriocin-like substances by group D streptococci of human origin. Galvez A, et al. **Microbios** 1985;43(176S):223–32

PHYSIOLOGY

Cell surface hydrophobicity of group D and viridans streptococci isolated from patients with septicaemia. Ljungh A, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 May;261(3):280–6

STREPTOCOCCUS GROUP A see **STREPTOCOCCUS PYOGENES**

STREPTOCOCCUS GROUP B see **STREPTOCOCCUS AGALACTIAE**

STREPTOCOCCUS LACTIS

[Controlled clinical study on the therapeutic efficacy of Enterococcus acidogenus HS 15 of human origin in diarrheic enterocolitis] Maggi CA, et al. **Minerva Dietol Gastroenterol** 1985 Oct–Dec;31(4):603–8 (Eng. Abstr.) **(Ita)**

ANALYSIS

N5-(1-carboxyethyl)-ornithine, a new amino acid from the intracellular pool of Streptococcus lactis. Thompson J, et al. **J Bacteriol** 1986 Aug;167(2):522–9

GENETICS

High-efficiency transformation of Streptococcus lactis protoplasts by plasmid DNA. Simon D, et al. **Appl Environ Microbiol** 1986 Aug;52(2):394–5

Development of high-level streptomycin resistance affected by a plasmid in lactic streptococci. Sinha RP. **Appl Environ Microbiol** 1986 Aug;52(2):255–61

Construction of cloning, promoter-screening, and terminator-screening shuttle vectors for Bacillus subtilis and Streptococcus lactis. van der Vossen JM, et al. **Appl Environ Microbiol** 1985 Aug;50(2):540–2

Effect of Ca2+ ions on plasmid transformation of Streptococcus lactis protoplasts. von Wright A, et al. **Appl Environ Microbiol** 1985 Oct;50(4):1100–2

Conjugal transfer from Streptococcus lactis ME2 of plasmids encoding phage resistance, nisin resistance and lactose-fermenting ability: evidence for a high-frequency conjugative plasmid responsible for abortive infection of virulent bacteriophage. Klaenhammer TR, et al. **J Gen Microbiol** 1985 Jun;131 (Pt 6):1531–41

Cloning, expression and location of the Streptococcus lactis gene for phospho-beta-D-galactosidase. Maeda S, et al. **J Gen Microbiol** 1986 Feb;132 (Pt 2):331–40

Characterization of streptococcal bacteriophage c6A. Powell IB, et al. **J Gen Virol** 1985 Dec;66 (Pt 12):2737–41

GROWTH & DEVELOPMENT

Growth of lactic acid bacteria in highly concentrated ultrafiltered skim milk retentates. Mistry VV, et al. **J Dairy Sci** 1985 Oct;68(10):2536–43

IMMUNOLOGY

Secretory and serum antibodies against Streptococcus lactis, Streptococcus thermophilus, and Lactobacillus bulgaricus in relation to ingestion of fermented milk products. Carlsson P, et al. **Acta Odontol Scand** 1985 Jul;43(3):147–53

METABOLISM

Anion exchange in bacteria. Variable stoichiometry of phosphate: sugar 6-phosphate antiport. Maloney PC, et al. **Ann NY Acad Sci** 1985;456:245–7

Partial characterization of the genetic basis for sucrose metabolism and nisin production in Streptococcus lactis. Steele JL, et al. **Appl Environ Microbiol** 1986 Jan; 51(1):57–64

Phosphoenolpyruvate and 2-phosphoglycerate: endogenous energy source(s) for sugar accumulation by starved cells of Streptococcus lactis. Thompson J, et al. **J Bacteriol** 1977 May;130(2):583–95

Bacterial anion exchange. Use of osmolytes during solubilization and reconstitution of phosphate-linked antiport from Streptococcus lactis. Ambudkar SV, et al. **J Biol Chem** 1986 Aug 5;261(22):10079–86

Anion exchange in bacteria: reconstitution of phosphate: hexose 6-phosphate antiport from Streptococcus lactis. Ambudkar SV, et al. **Methods Enzymol** 1986;125:558–63

Variable stoichiometry of phosphate-linked anion exchange in Streptococcus lactis: implications for the mechanism of sugar phosphate transport by bacteria. Ambudkar SV, et al. **Proc Natl Acad Sci USA** 1986 Jan;83(2):280–4

[3-component nutrient medium for the nisin producer Streptococcus lactis strain MGU] Egorov NS, et al. **Antibiot Med Biotekhnol** 1986 May;31(5):337–41 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Cloning in Streptococcus lactis of plasmid-mediated UV resistance and effect on prophage stability. Chopin MC, et al. **Appl Environ Microbiol** 1986 Feb;51(2):233–7

STREPTOCOCCUS MUTANS

DRUG EFFECTS

Enhanced toxicity of copper for Streptococcus mutans under anaerobic conditions. Evans SL, et al. **Antimicrob Agents Chemother** 1986 Feb;29(2):342–3

Development of sustained-release antimicrobial dental varnishes effective against Streptococcus mutans in vitro. Balanyk TE, et al. **J Dent Res** 1985 Dec;64(12):1356–60

Effect of anti-oxidants on growth and lactic acid production by Streptococcus mutans [letter] Fitzgerald RJ. **J Dent Res** 1985 Dec;64(12):1346

Effect of mutacin administration on Streptococcus mutans-induced dental caries in rats. Ooshima T, et al. **Microbiol Immunol** 1985;29(12):1163–73

[A study of the antibacterial action of chlorhexidine on human carious dentin in vivo] Liu TJ. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Nov;20(6):354–6, 383–4 (Eng. Abstr.) **(Chi)**

ENZYMOLOGY

Origin and function of the multiple extracellular glucosyltransferase species from cultures of a serotype c strain of Streptococcus mutans. Asem KG, et al. **Arch Biochem Biophys** 1986 Feb 1;244(2):607–18

In-vitro inhibition of glucosyltransferase from the dental plaque bacterium Streptococcus mutans by common beverages and food extracts. Kashket S, et al. **Arch Oral Biol** 1985;30(11–12):821–6

Inhibition of Streptococcus mutans 6715 glucosyltransferases by sucrose analogs modified at positions 6 and 6'. Binder TP, et al. **Carbohydr Res** 1985 Jul 1;140(1):9–20

Difference in mode of inhibition between alpha-D-xylosyl beta-D-fructoside and alpha-isomaltosyl beta-D-fructoside in synthesis of glucan by Streptococcus mutans D-glucosyltransferase. Nisizawa T, et al. **Carbohydr Res** 1986 Mar 1;147(1):135–44

Activity of branched dextrans in the acceptor reaction of a glucosyltransferase (GTF-I) from Streptococcus mutans OMZ176. Walker GJ, et al. **Carbohydr Res** 1986 Feb 1; 146(2):259–70

Studies on dental caries prevention by traditional medicines. VIII. Inhibitory effect of various tannins on glucan synthesis by glucosyltransferase from Streptococcus mutans. Kakiuchi N, et al. **Chem Pharm Bull (Tokyo)** 1986 Feb;34(2):720–5

Purification and characterization of a primer-independent glucosyltransferase from Streptococcus mutans 6715-13 mutant 27. McCabe MM. **Infect Immun** 1985 Dec; 50(3):771–7

Immunological study of lactate dehydrogenase from Streptococcus mutans and evidence of common antigenic domains with lactate dehydrogenases from lactic bacteria. Sommer P, et al. **Infect Immun** 1986 Jan;51(1):277–81

Phosphoenolpyruvate-sugar phosphotransferase transport system of Streptococcus mutans: purification of HPr and enzyme I and determination of their intracellular concentrations by rocket immunoelectrophoresis. Thibault L, et al. **Infect Immun** 1985 Dec;50(3):817–25

A Streptococcus mutans superoxide dismutase that is active with either manganese or iron as a cofactor. Martin ME, et al. **J Biol Chem** 1986 Jul 15;261(20):9361–7

Serotype c Streptococcus mutans mutatable to lactate dehydrogenase deficiency. Abhyankar S, et al. **J Dent Res** 1985 Nov;64(11):1267–71

Effects of certain salts on glucosyltransferase synthesis by Streptococcus mutans strain PS-14. Takada K, et al. **J Dent Res** 1986 Mar;65(3):452–5

Inducible and constitutive formation of fructanase in batch and continuous cultures of Streptococcus mutans. Jacques NJ, et al. **J Gen Microbiol** 1985 Jul;131 (Pt 7):1625–33

Purification and properties of extracellular glucosyltransferase synthesizing 1,6-, 1,3-alpha-D-glucan from Streptococcus mutans serotype a. Tsumori H, et al. **J Gen Microbiol** 1985 Dec;131 (Pt 12):3347–53

[Study of the competitive ability of LDH deficient Streptococcus mutants] Fan MW. **Chung Hua Kou Chiang Ko Tsa Chih** 1984 Dec;19(4):193–5 **(Chi)**

GENETICS

Cloning of a Streptococcus mutans glucosyltransferase gene coding for insoluble glucan synthesis. Aoki H, et al. **Infect Immun** 1986 Sep;53(3):587–94

Isolation and characterization of the sucrose 6-phosphate hydrolase gene from Streptococcus mutans. Hayakawa M, et al. **Infect Immun** 1986 Sep;53(3):582–6

In vivo repackaging of recombinant cosmid molecules for analyses of Salmonella typhimurium, Streptococcus mutans, and mycobacterial genomic libraries. Jacobs WR, et al. **Infect Immun** 1986 Apr;52(1):101–9

Mapping of a cloned glucosyltransferase gene in Streptococcus mutans. Perry D, et al. **Infect Immun** 1985 Oct;50(1):130–5

Isolation and characterization of a fructosyltransferase gene from Streptococcus mutans GS-5. Sato S, et al. **Infect Immun** 1986 Apr;52(1):166–70

Characterization of genetic transformation in Streptococcus mutans by using a novel high-efficiency plasmid marker rescue system. Lindler LE, et al. **J Bacteriol** 1986 May; 166(2):658–65

Molecular cloning and characterization of scrB, the structural gene for the Streptococcus mutans phosphoenolpyruvate-dependent sucrose phosphotransferase system sucrose-6-phosphate hydrolase. Lunsford RD, et al. **J Bacteriol** 1986 May;166(2):426–34

1984 Kreshover lecture. Genetic analysis of Streptococcus mutans virulence and prospects for an anticaries vaccine. Curtiss R 3d. **J Dent Res** 1986 Aug;65(8):1034–45

Expression of Mycobacterium leprae genes from a Streptococcus mutans promoter in Escherichia coli K-12. Jacobs WR, et al. **Proc Natl Acad Sci USA** 1986 Mar; 83(6):1926–30

GROWTH & DEVELOPMENT

Further studies on the growth inhibition of Streptococcus mutans OMZ 176 by xylitol. Assev S, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1986 Apr; 94(2):97–102

Sorbitol increases the growth inhibition of xylitol on Strep. mutans OMZ 176. Assev S, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1986 Aug; 94(4):231–7

Estimation of growth parameters for some oral bacteria grown in continuous culture under glucose-limiting conditions. Rogers AH, et al. **Infect Immun** 1986 Jun; 52(3):897–901

Variable colonization by oral streptococci in molar fissures of monoinfected gnotobiotic rats. van Houte J, et al. **Infect Immun** 1986 May;52(2):620–2

[Culture of Streptococcus mutants with pyrogallic acid] Qiu XQ. **Chung Hua Kou Chiang Ko Tsa Chih** 1984 Dec; 19(4):233–4 **(Chi)**

IMMUNOLOGY

Streptococcus mutans and vaccines for dental caries: a personal commentary and critique. Sims W. **Community Dent Health** 1985 Jun;2(2):129–47

Isolation and characterization of a 60-kilodalton salivary glycoprotein with agglutinating activity against strains of Streptococcus mutans. Babu JP, et al. **Infect Immun** 1986 Feb;51(2):405–13

Salivary immunoglobulin A and serum antibodies to Streptococcus mutans ribosomal preparations in dental caries–free and caries–susceptible human subjects. Gregory RL, et al. **Infect Immun** 1986 Jan;51(1):348–51

Monoclonal antibody to Streptococcus mutans type e cell wall polysaccharide antigen. Kato H, et al. **Infect Immun** 1986 May;52(2):628–30

Local active gingival immunization by a 3,800–molecular–weight streptococcal antigen in protection against dental caries. Lehner T, et al. **Infect Immun** 1986 Jun;52(3):682–7

Local passive immunization by monoclonal antibodies against streptococcal antigen I/II in the prevention of dental caries. Lehner T, et al. **Infect Immun** 1985 Dec;50(3):796–9

Human serum antibody response against Streptococcus mutans antigens. Pucci MJ, et al. **Infect Immun** 1986 Feb; 51(2):600–6

Detection and specificity of antibodies secreted by spleen cells in mice immunized with Streptococcus mutans. Russell MW, et al. **Infect Immun** 1986 Aug;53(2):317–23

Serum and salivary antibody responses in rats orally immunized with Streptococcus mutans carbohydrate protein conjugate associated with liposomes. Wachsmann D, et al. **Infect Immun** 1986 May;52(2):408–13

Class–specific antibodies to Streptococcus mutans in human serum, saliva and breast milk. Aldred MJ, et al. **J Immunol Methods** 1986 Feb 27;87(1):103–8

ELISA detection of human IgG subclass antibodies to Streptococcus mutans. Challacombe SJ, et al. **J Immunol Methods** 1986 Feb 27;87(1):95–102

Induction of periodontal bone loss in athymic (nude) rats monoinfected with streptococcus mutans. Klausen B, et al. **J Periodont Res** 1986 Jan;21(1):5–12

Purification and immunochemical properties of a protein antigen from serotype g Streptococcus mutans. Okahashi N, et al. **Microbiol Immunol** 1986;30(1):35–47

Characterization of the serotype e polysaccharide antigen of Streptococcus mutans. Pritchard DG, et al. **Mol Immunol** 1986 Feb;23(2):141–5

ISOLATION & PURIFICATION

Collaborative WHO xylitol field studies in Hungary. IV. Saliva levels of Streptococcus mutans. Bánóczy J, et al. **Acta Odontol Scand** 1985 Dec;43(6):367–70

Transmission of the oral bacterium Streptococcus mutans to young Macaca fascicularis monkeys from human nursery attendants. Jordan HV, et al. **Arch Oral Biol** 1985; 30(11–12):863–4

A simplified procedure for estimating the level of Streptococcus mutans in the mouth. Beighton D. **Br Dent J** 1986 May 10;160(9):329–30

Selection of a micromethod and its use in the estimation of salivary Streptococcus mutans and lactobacillus counts in relation to dental caries in Tanzanian children. Matee MI, et al. **Caries Res** 1985;19(6):497–506

Caries prevalence, salivary Streptococcus mutans and dietary scores in 13–year–old Swedish schoolchildren. Kristoffersson K, et al. **Community Dent Oral Epidemiol** 1986 Aug;14(4):202–5

Prevalence of dental caries and Streptococcus mutans in Meo of Northern Thailand. Reichart PA, et al. **Community Dent Oral Epidemiol** 1986 Feb;14(1):57–9

Streptococcus mutans and caries prevalence in rural Thai. Reichart PA, et al. **Community Dent Oral Epidemiol** 1985 Aug;13(4):241–3

Comparative recovery of Streptococcus mutans on five isolation media, including a new simple selective medium. Schaeken MJ, et al. **J Dent Res** 1986 Jun;65(6):906–8

Streptococcus mutans serotype b strain (St. rattus, Coykendall): first isolation in Japan from human dental plaque. Ota F, et al. **Microbiol Immunol** 1985; 29(10):1005–10

Transmission of Streptococcus mutans in some selected families. Masuda N, et al. **Microbios** 1985;44(181S):223–32

Oral glucose clearance in subjects with high or low salivary levels of Streptococcus mutans and lactobacilli. Wennerholm K, et al. **Scand J Dent Res** 1986 Apr; 94(2):121–4

Short term effect of mechanical plaque control on salivary concentration of S. mutans and lactobacilli. Wikner S. **Scand J Dent Res** 1986 Aug;94(4):320–6

[Preliminary study of Nocardia and Streptococcus mutans in a carious oral cavity] Wang SC. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Nov;20(6):349–50 **(Chi)**

[3–year results of the WHO xylitol caries prevention program in Hungarian children's homes. II. Microbiological studies: salivary Streptococcus mutans count] Orsós M, et al. **Fogorv Sz** 1986 Jun;79(6):169–73 (Eng. Abstr.) **(Hun)**

[Isolation of a luminescent serum for detecting Streptococcus mutans] Dmitrieva NA, et al. **Stomatologiia (Mosk)** 1986 May–Jun;65(3):10–2 (Eng. Abstr.) **(Rus)**

METABOLISM

Role of the cell membrane in pH–dependent fluoride inhibition of glucose uptake by Streptococcus mutans. Germaine GR, et al. **Antimicrob Agents Chemother** 1986 Jan;29(1):58–61

Enamel demineralization by acid produced from endogenous substrate in oral streptococci. Zero DT, et al. **Arch Oral Biol** 1986;31(4):229–34

Developmental and metabolic aspects of a monobacterial plaque of Streptococcus mutans C 67–1 grown on human enamel slabs in an artificial mouth model. I. Plaque data. Noorda WD, et al. **Caries Res** 1986;20(4):300–7

Developmental and metabolic aspects of a monobacterial plaque of Streptococcus mutans C 67–1 grown on human enamel slabs in an artificial mouth model. II. Enamel data. Noorda WD, et al. **Caries Res** 1986;20(4):308–14

Effect of human lysozyme on 2–deoxyglucose uptake by Streptococcus mutans and other oral microorganisms. Twetman S, et al. **Caries Res** 1986;20(3):223–9

Effect of salivary lysozyme on glucose incorporation and acid production in Streptococcus mutans. Twetman S, et al. **Caries Res** 1985;19(5):414–21

Maltotriitol inhibition of maltose metabolism in Streptococcus mutans via maltose transport, amylomaltase and phospho–alpha–glucosidase activities. Würsch P, et al. **Caries Res** 1985;19(5):439–49

Inhibition of plaque and caries formation by a glucan produced by Streptococcus mutans mutant UAB108. Takada K, et al. **Infect Immun** 1985 Dec;50(3):833–43

Studies on the antibacterial activity of dodecylglycerol. Its limited metabolism and inhibition of glycerolipid and lipoteichoic acid biosynthesis in Streptococcus mutans BHT. Brissette JL, et al. **J Biol Chem** 1986 May 15; 261(14):6338–45

Inhibition of acid production from oral bacteria by fluorapatite–derived fluoride. Harper DS, et al. **J Dent Res** 1986 Jan;65(1):30–3

The intra–oral effect on enamel demineralization of extracellular matrix material synthesized from sucrose by Streptococcus mutans. Zero DT, et al. **J Dent Res** 1986 Jun;65(6):918–23

Properties of mutacin b, an antibacterial substance produced by Streptococcus mutans strain BHT. Delisle AL. **Microbios** 1986;46(186):21–8

Prevention of dental caries by Oriental folk medicines—active principles of Zizyphi Fructus for inhibition of insoluble glucan formation by cariogenic bacterium Streptococcus mutans. Kohda H, et al. **Planta Med** 1986 Apr;(2):119–20

Isolation and mode of action of a cell–free bacteriocin (mutacin) from serotype g Streptococcus mutans MT3791. Hamada S, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 May;261(3):287–98

PATHOGENICITY

Genetic analysis of Streptococcus mutans virulence. Curtiss R 3d. **Curr Top Microbiol Immunol** 1985;118:253–77 (159 ref.)

[Action of S. mutans and lactic acid on human enamel protected by a sealant or fluoridated compound] Piacentini C, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1985 Apr;28(1):61–77 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Effect of saliva substitutes upon binding of selected oral bacteria to hydroxyapatite (short communication). Wolinsky LE, et al. **Caries Res** 1985;19(6):507–11

Effect of endogenous phosphoenolpyruvate potential on fluoride inhibition of glucose uptake by Streptococcus mutans. Germaine GR, et al. **Infect Immun** 1986 Jan; 51(1):119–24

Strains of Streptococcus mutans and Streptococcus sobrinus attach to different pellicle receptors. Gibbons RJ, et al. **Infect Immun** 1986 May;52(2):555–61

Albumin as a blocking agent in studies of streptococcal adsorption to experimental salivary pellicles. Gibbons RJ, et al. **Infect Immun** 1985 Nov;50(2):592–4

In vitro inhibition of adherence of Streptococcus mutans strains by nonadherent mutants of S. mutans 6715. Murchison H, et al. **Infect Immun** 1985 Dec;50(3):826–32

Colonization of the human oral cavity by a strain of Streptococcus mutans. Hillman JD, et al. **J Dent Res** 1985 Nov;64(11):1272–4

In vitro studies of growth and competition between S. salivarius TOVE–R and mutans streptococci. Kurasz AB, et al. **J Dent Res** 1986 Sep;65(9):1149–53

Oral implantation of Streptococcus mutans in man with and without prior chlorhexidine mouthrinses. Svanberg M, et al. **Scand J Dent Res** 1986 Aug;94(4):306–10

Cariogenicity of isomaltulose (palatinose), sucrose and mixture of these sugars in rats infected with Streptococcus mutans E–49. Sasaki N, et al. **Swed Dent J** 1985;9(4):149–55

STREPTOCOCCUS PNEUMONIAE

see related

PNEUMOCOCCAL INFECTIONS

Antibody response to pneumococcal vaccine in children aged 5 to 15 years. Paton JC, et al. **Am J Dis Child** 1986 Feb; 140(2):135–8

Formation of a covalent complex between the terminal protein of pneumococcal bacteriophage Cp–1 and 5'–dAMP. García P, et al. **J Virol** 1986 Apr;58(1):31–5

ANALYSIS

The structure of the specific capsular polysaccharide of Streptococcus pneumoniae type 11F (American type 11). Richards JC, et al. **Can J Biochem Cell Biol** 1985 Sep; 63(9):953–68

CLASSIFICATION

Optimal conditions for the opsonophagocytosis test with Streptococcus pneumoniae serotypes 3, 6A, 7F and 19F and human granulocytes. Silvennoinen–Kassinen S, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1986 Jun; 94(3):105–11

Pneumococcal vaccine and isolates for the Centers for Disease Control [letter] Oxtoby MJ, et al. **Ann Intern Med** 1986 Apr;104(4):587

Antibiotic resistance and serotypes of 100 Streptococcus pneumoniae strains isolated in a children's hospital in Barcelona, Spain. Latorre C, et al. **Antimicrob Agents Chemother** 1985 Aug;28(2):357–9

Discrepancies in fluorescent antibody, counterimmunoelectrophoresis, and Neufeld test for typing of Streptococcus pneumoniae. Kumar A, et al. **Diagn Microbiol Infect Dis** 1985 Nov;3(6):509–14

Serotype and pneumococcal meningitis in Nigerian children. Taqi AM, et al. **East Afr Med J** 1986 Jan;63(1):42–7

Identifying non–capsulate strains of Streptococcus pneumoniae isolated from eyes. Pease AA, et al. **J Clin Pathol** 1986 Aug;39(8):871–5

Serotyping of Streptococcus pneumoniae strains by coagglutination. Smart LE. **J Clin Pathol** 1986 Mar; 39(3):328–31

Streptococcus pneumoniae serotypes in Buenos Aires. Grinstein S, et al. **Medicina (B Aires)** 1984;44(3):271–5 (Eng. Abstr.)

Serotype distribution of Streptococcus pneumoniae strains isolated from blood and cerebrospinal fluid in Sweden. Burman LA, et al. **Scand J Infect Dis** 1986;18(1):45–8

DRUG EFFECTS

The pneumococcus and the mouse protection test: inoculum, dosage and timing. Frimodt–Møller N, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1986 Feb; 94(1):33–7

False susceptible penicillin G MICs for Streptococcus pneumoniae with a commercial microdilution system. Shanholtzer CJ, et al. **Am J Clin Pathol** 1986 May; 85(5):626–9

The comparative activity of twelve 4–quinolone antimicrobials against Haemophilus influenzae and Streptococcus pneumoniae. Ridgway GL, et al. **Drugs Exp Clin Res** 1985;11(4):259–62

Alterations in penicillin–binding proteins of clinical and laboratory isolates of pathogenic Streptococcus pneumoniae with low levels of penicillin resistance. Handwerger S, et al. **J Infect Dis** 1986 Jan;153(1):83–9

Antibiotic–resistant isolates of Streptococcus pneumoniae from clinical specimens: a cluster of serotype 19A organisms in Brooklyn, New York. Simberkoff MS, et al. **J Infect Dis** 1986 Jan;153(1):78–82

Leads from the MMWR. Isolation of multiple antibiotic–resistant pneumococci. **JAMA** 1985 Oct 11; 254(14):1885–6

[Antibiotic sensitivity of pneumococci isolated in chronic bronchitis and bronchial asthma] Bukreeva EB. **Antibiot Med Biotekhnol** 1985 Aug;30(8):614–6 (Eng. Abstr.) **(Rus)**

[Streptococcus pneumoniae meningitis resistant to penicillin and chloramphenicol] Aristegui J, et al. **An Esp Pediatr** 1985 Dec;23(8):601–4 **(Spa)**

[A call to attention: multiresistant bacteria and abuse of antibiotics] Ollé Goig JE, et al. **Med Clin (Barc)** 1985 Sep 28;85(9):364–7 **(Spa)**

ENZYMOLOGY

Experimental alteration of chinchilla middle ear mucosae by bacterial neuraminidase. LaMarco KL, et al. **Ann Otol Rhinol Laryngol** 1986 May–Jun;95(3 Pt 1):304–8

GENETICS

Molecular characterization of an autolysin–defective mutant of Streptococcus pneumoniae. García JL, et al. **Biochem Biophys Res Commun** 1986 Jun 13;137(2):614–9

Long– and short–patch gene conversions in Streptococcus pneumoniae transformation. Sicard M, et al. **Biochimie** 1985 Mar–Apr;67(3–4):377–84 (37 ref.)

Searching for autolysin functions. Characterization of a pneumococcal mutant deleted in the lytA gene. Sanchez–Puelles JM, et al. **Eur J Biochem** 1986 Jul 15; 158(2):289–93

Selective advantage of deletions enhancing chloramphenicol acetyltransferase gene expression in Streptococcus pneumoniae plasmids. Ballester S, et al. **Gene** 1986; 41(2–3):153–63

Inverted terminal repeats and terminal proteins of the genomes of pneumococcal phages. Escarmís C, et al. **Gene** 1985;36(3):341–8

Nucleotide sequence and expression of the pneumococcal

autolysin gene from its own promoter in Escherichia coli. Garcia P, et al. **Gene** 1986;43(3):265–72
A plasmid vector allowing positive selection of recombinant plasmids in Streptococcus pneumoniae. Prats H, et al. **Gene** 1985;39(1):41–8
Cloning and physical characterization of chromosomal conjugative elements in streptococci. Vijayakumar MN, et al. **J Bacteriol** 1986 Jun;166(3):972–7
Structure of a conjugative element in Streptococcus pneumoniae. Vijayakumar MN, et al. **J Bacteriol** 1986 Jun; 166(3):978–84
Localization of competence-induced proteins in Streptococcus pneumoniae. Vijayakumar MN, et al. **J Bacteriol** 1986 Mar;165(3):689–95
Cloning and expression of the pneumococcal autolysin gene in Escherichia coli. Garcia E, et al. **MGG** 1985; 201(2):225–30
Frame-shift mutants induced by quinacrine are recognized by the mismatch repair system in Streptococcus pneumoniae. Gasc AM, et al. **MGG** 1986 May; 203(2):269–73
The hexB mismatch repair gene of Streptococcus pneumoniae: characterisation, cloning and identification of the product. Prats H, et al. **MGG** 1985;200(3):482–9
[Use of transformation in the study of the homology of genes for drug resistance] Pozzi G, et al. **G Ital Chemioter** 1985 Jan–Apr;32(1):177–8 **(Ita)**

GROWTH & DEVELOPMENT

Influence of body temperature on bacterial growth rates in experimental pneumococcal meningitis in rabbits. Small PM, et al. **Infect Immun** 1986 May;52(2):484–7
[Kinetics of the processes of Strep;tococcus pneumoniae batch cultivation in relation to the physiological state of the inoculum] Gruber IM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Feb;(2):3–8 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Pneumococcal antibodies of different immunoglobulin subclasses in normal and IgG subclass deficient individuals of various ages. Rynnel-Dagöö B, et al. **Acta Otolaryngol (Stockh)** 1986 Jan–Feb;101(1–2):146–51
Decline of vaccine-induced antipneumococcal antibody in children with nephrotic syndrome. Spika JS, et al. **Am J Kidney Dis** 1986 Jun;7(6):466–70
Revaccination with polyvalent pneumococcal vaccine in children with sickle cell anemia. Kaplan J, et al. **Am J Pediatr Hematol Oncol** 1986 Spring;8(1):80–2
Immunostimulative action of Streptococcus pneumoniae and Klebsiella pneumoniae subcellular fractions. I. Determination of "in vivo" toxicity and of some non-specific immunostimulative properties. Hoisie S, et al. **Arch Roum Pathol Exp Microbiol** 1985 Oct–Dec; 44(4):311–21
Pneumococcal vaccine. Thamlikitkul V. **Asian Pac J Allergy Immunol** 1985 Dec;3(2):221–5 (78 ref.)
Pneumococcal antigens in otitis media. Karma P, et al. **Auris Nasus Larynx** 1985;12 Suppl 1:S80–2
Two synthetic antigens related to Streptococcus pneumoniae type 3 capsular polysaccharide. Chernyak AYa, et al. **Carbohydr Res** 1985 Sep 1;141(2):199–212
Structural studies of the capsular polysaccharide from Streptococcus pneumoniae type 5. Jansson PE, et al. **Carbohydr Res** 1985 Jul 1;140(1):101–10
Pneumococcus-specific immunoglobulin E in cigarette smokers. Bloom JW, et al. **Clin Allergy** 1986 Jan; 16(1):25–32
IgG2 subclass restriction of antibody to pneumococcal polysaccharides. Barrett DJ, et al. **Clin Exp Immunol** 1986 Jan;63(1):127–34
Lack of effect of splenic regrowth on the reduced antibody responses to pneumococcal polysaccharides in splenectomized patients. Kiroff GK, et al. **Clin Exp Immunol** 1985 Oct;62(1):48–56
Class and subclass anti-pneumococcal antibody responses in splenectomized patients. Oldfield S, et al. **Clin Exp Immunol** 1985 Sep;61(3):664–73
A protective human monoclonal IgA antibody produced in vitro: anti-pneumococcal antibody engendered by Epstein–Barr virus–immortalized cell line. Steinitz M, et al. **Eur J Immunol** 1986 Feb;16(2):187–93
Correlation of serum opsonins with in vitro phagocytosis of Streptococcus pneumoniae. Chudwin DS, et al. **Infect Immun** 1985 Oct;50(1):213–7
Primary murine immunoglobulin M responses to certain pneumococcal capsular polysaccharides consist primarily of anti-pneumococcal cell wall carbohydrate antibodies. Fairchild RL, et al. **Infect Immun** 1986 Jun;52(3):867–71
Chemiluminescent response of polymorphonuclear leukocytes to Streptococcus pneumoniae and Haemophilus influenzae in suspension and adhered to glass. Hayashi K, et al. **Infect Immun** 1986 May;52(2):397–400
Opsonic requirements for hepatic clearance of pneumococci. Reed WP, et al. **Infect Immun** 1986 May;52(2):499–503
Quantitative and qualitative analyses of serum antibodies elicited in adults by Haemophilus influenzae type b and pneumococcus type 6A capsular polysaccharide–tetanus toxoid conjugates. Schneerson R, et al. **Infect Immun** 1986 May;52(2):519–28
Comparison of antibody levels and protective efficacy against pneumococci in two immunoglobulin preparations for intravenous use. Offenbartl K, et al. **Int Arch Allergy Appl Immunol** 1986;80(3):307–11
Pneumococcal bacteriology after pneumococcal otitis media with special reference to pneumococcal antigens. Karma P, et al. **Int J Pediatr Otorhinolaryngol** 1985 Nov; 10(2):181–90
Serum opsonic activity after pneumococcal vaccination in splenectomized individuals as measured by a nitroblue tetrazolium (NBT) reduction micromethod. Urban T, et al. **J Clin Lab Immunol** 1986 Jan;19(1):49–52
Clinically significant cross-reactions with counterimmunoelectrophoresis between pneumococcus type 6 and Haemophilus influenzae type b. Ballard TL, et al. **J Clin Microbiol** 1985 Nov;22(5):754–6
Comparison of latex agglutination and counterimmunoelectrophoresis for the detection of pneumococcal antigen in elderly pneumonia patients. Cerosaletti KM, et al. **J Clin Microbiol** 1985 Oct; 22(4):553–7
Determination of antibodies to pneumococcal C polysaccharide in patients with community-acquired pneumonia. Holmberg H, et al. **J Clin Microbiol** 1985 Nov; 22(5):808–14
Crossreactions of Escherichia coli K and O polysaccharides in antipneumococcal and anti-Salmonella sera. Heidelberger M, et al. **J Exp Med** 1985 Oct 1;162(4):1350–8
Requirements for activation of contrasuppressor T cells by type III pneumococcal polysaccharide. Braley-Mullen H. **J Immunol** 1986 Jan;136(2):396–401
An enzyme-linked immunosorbent assay suitable for the routine estimation of specific immunoglobulin G responses to polyvalent pneumococcal polysaccharide vaccine in humans. Nieuwhof WN, et al. **J Immunol Methods** 1985 Nov 28;84(1–2):197–202
Relation between serum opsonic activity for Streptococcus pneumoniae and complement function in sickle cell disease. Bjornson AB, et al. **J Infect Dis** 1985 Oct;152(4):701–9
Titers of antibody to pneumococci in allogeneic bone marrow transplant recipients before and after vaccination with pneumococcal vaccine. Giebink GS, et al. **J Infect Dis** 1986 Oct;154(4):590–6
Ligand-receptor interactions in the phagocytosis of virulent Streptococcus pneumoniae by polymorphonuclear leukocytes. Gordon DL, et al. **J Infect Dis** 1986 Oct; 154(4):619–26
Serotypic variations among virulent pneumococci in deposition and degradation of covalently bound C3b: implications for phagocytosis and antibody production. Hostetter MK. **J Infect Dis** 1986 Apr;153(4):682–93
Natural and vaccine-related immunity to Streptococcus pneumoniae. Musher DM, et al. **J Infect Dis** 1986 Aug; 154(2):245–56
Pneumococcal immunization in patients with systemic lupus erythematosus treated with immunosuppressives. Lipnick RN, et al. **J Rheumatol** 1985 Dec;12(6):1118–21
Routine use of counterimmunoelectrophoresis for the detection of pneumococcal antigen in sputum. Ericsson CH, et al. **Med Microbiol Immunol (Berl)** 1986;175(4):241–9
Specific antibodies to diphtheria toxin and type 6A pneumococcal capsular polysaccharide induced by a model of semi-synthetic glycoconjugate antigen. Porro M, et al. **Mol Immunol** 1985 Aug;22(8):907–19
Pneumococcal vaccine and mortality from pneumonia [editorial] Riley I. **Papua New Guinea Med J** 1985 Dec; 28(4):231–2
Antibody response of young children to parenteral vaccination with pneumococcal capsular polysaccharides: a comparison between antibody levels in serum and middle ear effusion. Koskela M. **Pediatr Infect Dis** 1986 Jul–Aug; 5(4):431–4
First and second dose antibody responses to pneumococcal polysaccharide vaccine in infants. Koskela M, et al. **Pediatr Infect Dis** 1986 Jan–Feb;5(1):45–50
Antibody response to 14-valent pneumococcal capsular polysaccharide vaccine in pre-school age children. Leinonen M, et al. **Pediatr Infect Dis** 1986 Jan–Feb; 5(1):39–44
Use of bacterial antigen detection in the diagnosis of pediatric lower respiratory tract infections. Ramsey BW, et al. **Pediatrics** 1986 Jul;78(1):1–9
Half-life and clearance of pH 6.8 and pH 4.25 immunoglobulin G intravenous preparations in patients with primary disorders of humoral immunity. Schiff RI. **Rev Infect Dis** 1986 Jul–Aug;8 Suppl 4:S449–56
[Cost-benefit analysis of vaccination against pneumococcal pneumonia] Ament AJ, et al. **Ned Tijdschr Geneeskd** 1986 Mar 1;130(9):407–10 (Eng. Abstr.) **(Dut)**
[Immune response in splenectomized children to anti-pneumococcal vaccination] Hartmann JF, et al. **Arch Fr Pediatr** 1985 May;42(5):345–51 (Eng. Abstr.) **(Fre)**
[Results of bacteriological technics and demonstration of pneumococcal antigens by counterimmunoelectrophoresis in 40 cases of Streptococcus pneumoniae pneumonia] Caujolle B, et al. **Pathol Biol (Paris)** 1986 Mar;34(3):183–5 (Eng. Abstr.) **(Fre)**
[Clinical trial of an antipneumococcal vaccine in elderly subjects living in institutions] Gaillat J, et al. **Rev Epidemiol Sante Publique** 1985;33(6):437–44 (Eng. Abstr.) **(Fre)**
[Splenectomy and in vitro antipneumococcal polysaccharide antibody formation] Di Padova F, et al. **Aktuel Probl Chir Orthop** 1985;30:46–52 **(Ger)**
[Ageing and host responses: infection] Shimada K. **Nippon Naika Gakkai Zasshi** 1985 Oct;74(10):1353–6 **(Jpn)**
[An immunoenzyme method for titrating antipneumococcal antibodies] Mihalcu F, et al. **Rev Ig [Bacteriol]** 1986 Jan–Mar;31(1):55–8 (Eng. Abstr.) **(Rum)**
[Detection of the polysaccharide pneumococcal antigen in CSF by the ELISA method] Mihalcu F, et al. **Rev Ig [Bacteriol]** 1985 Oct–Dec;30(4):335–8 **(Rum)**
[Detection of pneumococcal antibodies in children with acute pneumonia and pleurisy by an immunoenzyme method] Padiukov LN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Jul;(7):79–83 (Eng. Abstr.) **(Rus)**
[Detection of noncapsular antigens in pneumococcus] Padiukov Ln, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Nov;(11):43–6 (Eng. Abstr.) **(Rus)**
[Mechanisms of the immune response to pneumococcal polysaccharides] Rodionychev EA. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Nov;(11):103–8 (41 ref.) **(Rus)**
[Antigenic structure of the polysaccharide capsule of Streptococcus pneumoniae strains isolated in Leningrad 1978–1984] Vishniakova LA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Jul;(7):56–9 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Pneumococcal vaccine efficacy [letter] Aloizou M, et al. **Ann Intern Med** 1986 Sep;105(3):463–4
Pneumococcal vaccine efficacy in selected populations in the United States. Bolan G, et al. **Ann Intern Med** 1986 Jan; 104(1):1–6
Carriage of penicillin resistant pneumococci. Klugman KP, et al. **Arch Dis Child** 1986 Apr;61(4):377–81
Meningitis and pneumonia due to novel multiply resistant pneumococci. Klugman KP, et al. **Br Med J [Clin Res]** 1986 Mar 15;292(6522):730
Neonatal sepsis due to Streptococcus pneumoniae. Naylor JC, et al. **Can Med Assoc J** 1985 Nov 15;133(10):1019–20
Effect of oral penicillin on pneumococcal carriage in elderly men with chronic bronchitis. Haas H, et al. **Clin Ther** 1986; 8(3):301–8
Isolation of Streptococcus pneumoniae from the respiratory tract of horses. Burrell MH, et al. **Equine Vet J** 1986 May; 18(3):183–6
A reassessment of sputum specimens for laboratory diagnosis of pneumococcal pneumonia [editorial] Balows A. **Eur J Clin Microbiol** 1986 Jun;5(3):275–6
Comparison of enzyme-linked immunosorbent assay with coagglutination and latex agglutination for rapid diagnosis of pneumococcal pneumonia by detecting antigen in sputa. Holmberg H, et al. **Eur J Clin Microbiol** 1986 Jun; 5(3):282–6
Pneumococcal carriage amongst Australian aborigines in Alice Springs, Northern Territory. Hansman D, et al. **J Hyg (Lond)** 1985 Dec;95(3):677–84
The isolation of Streptococcus pneumoniae from bile. Blenkharn JI, et al. **J Infect** 1986 Mar;12(2):175–8
Sequential bacteriological findings in the cerebrospinal fluid of Nigerian patients with pneumococcal meningitis. Greenwood BM, et al. **J Infect** 1986 Jan;12(1):49–56
Accuracy of sputum examination for the diagnosis of pneumococcal pneumonia [letter] Kalin M. **J Infect Dis** 1985 Nov;152(5):1097
Gram stain and culture of sputum to diagnose bacterial pneumonia [letter] Musher DM. **J Infect Dis** 1985 Nov; 152(5):1096
An analysis of blood culture isolates from 7 South African teaching hospital centres. van den Ende J, et al. **S Afr Med J** 1986 Jan 18;69(2):89–93
[Clinical and bacteriological studies of Streptococcus pneumoniae. Yearly changes in isolation frequencies from clinical specimens, serotype distributions and drug susceptibilities, especially those of beta-lactam-resistant strains] Oguri T. **Jpn J Antibiot** 1986 Mar;39(3):783–806 (Eng. Abstr.) **(Jpn)**
[Nutrient medium for the isolation and cultivation of pneumococcus] Vinnik AL, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Aug;(8):19–22 (Eng. Abstr.) **(Rus)**

METABOLISM

Alterations in kinetic properties of penicillin-binding proteins of penicillin-resistant Streptococcus pneumoniae. Handwerger S, et al. **Antimicrob Agents Chemother** 1986 Jul;30(1):57–63
Entry of methotrexate into Streptococcus pneumoniae: a study on a wild-type strain and a methotrexate resistant mutant. Trombe MC. **J Gen Microbiol** 1985 Jun;131 (Pt 6):1273–8

PHYSIOLOGY

Inhibition of attachment of Streptococcus pneumoniae and Haemophilus influenzae by human milk and receptor oligosaccharides. Andersson B, et al. **J Infect Dis** 1986 Feb; 153(2):232–7

STREPTOCOCCUS PYOGENES

Reactivation of streptococcal cell wall–induced arthritis by homologous and heterologous cell wall polymers. Esser RE, et al. **Arthritis Rheum** 1985 Dec;28(12):1402–11

Uveitis and arthritis induced by systemic injection of streptococcal cell walls. Wells A, et al. **Invest Ophthalmol Vis Sci** 1986 Jun;27(6):921–5

ANALYSIS

Effect of streptococcal lipoteichoic acid on prolyl hydroxylase activity as related to collagen formation in mouse fibroblast monolayers. Leon O, et al. **Infect Immun** 1985 Dec;50(3):745–52

Purification and characteristics of the streptococcal chemotactic factor inactivator. Wexler DE, et al. **Infect Immun** 1985 Dec;50(3):757–64

Complete nucleotide sequence of type 6 M protein of the group A Streptococcus. Repetitive structure and membrane anchor. Hollingshead SK, et al. **J Biol Chem** 1986 Feb 5; 261(4):1677–86

Purification and partial characterization of the nephritis strain–associated protein from Streptococcus pyogenes, group A. Johnston KH, et al. **J Exp Med** 1986 Mar 1; 163(3):697–712

Separation of hemolytic substances from anticancer preparations of hemolytic streptococci. Kawajiri H, et al. **Jpn J Exp Med** 1985 Dec;55(6):233–7

Isolation and partial characterization of a type II Fc receptor from a group A streptococcus. Yarnall M, et al. **Mol Cell Biochem** 1986 Apr;70(1):57–66

[Studies on the extraction of the nephritis-strain associated protein from the whole cell body of group A streptococcus, type 12 (strain A 374)] Quan JW. **Nippon Ika Daigaku Zasshi** 1985 Aug;52(4):387–94 (Eng. Abstr.) (Jpn)

[Comparative study of lipoteichoic acid from Streptococcus pyogenes type 29 isolated by different methods] Vylegzhanina ES, et al. **Prikl Biokhim Mikrobiol** 1985 Nov–Dec;21(6):788–93 (Eng. Abstr.) (Rus)

[Chemical and biological properties of lipoteichoic acid of Streptococcus group A] Dmitrieva NF, et al. **Vestn Akad Med Nauk SSSR** 1986;(7):30–4 (Eng. Abstr.) (Rus)

CLASSIFICATION

Rapid identification of group A streptococcal pharyngitis. Hwang B, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1985 Nov;18(4):288–92

[Scarlet fever due to type group A hemolytic Streptococcus infection and its T-antigen typing] Li SR. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1986 Apr; 7(2):99–101 (Eng. Abstr.) (Chi)

[Group A streptococci: serotypes isolated in a pediatric environment] Magliano M, et al. **G Batteriol Virol Immunol** 1984 Jul–Dec;77(7–12):145–54 (Eng. Abstr.) (Ita)

[Epidemiological study on hemolytic streptococci isolated from throats of elementary and junior high school pupils at 7 prefectures in Japan. Part II. Regional comparison of detection rate of group-A hemolytic streptococci from the standpoint of type classification] Nakajima K, et al. **Kansenshogaku Zasshi** 1985 Sep;59(9):905–13 (Eng. Abstr.) (Jpn)

[Evaluation of the Culturette Brand Ten-Minute Group A Strep ID test with regard to its specificity and sensitivity] Ohkuni H, et al. **Kansenshogaku Zasshi** 1985 Dec; 59(12):1204–9 (Eng. Abstr.) (Jpn)

[Typing of Streptococcus group A isolated from patients and healthy persons] Krasil'nikov IA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Oct;(10):28–32 (Eng. Abstr.) (Rus)

[Serological typing of group A Streptococci in Chile] García Moreno J, et al. **Bol Of Sanit Panam** 1985 Aug;99(2):179–84 (Eng. Abstr.) (Spa)

DRUG EFFECTS

Penicillin tolerant group A streptococci. Krasinski K, et al. **Diagn Microbiol Infect Dis** 1986 Apr;4(4):291–7

The combined actions of saliva, human amylase and antibiotics on Streptococcus pyogenes and Streptococcus agalactiae. Rotimi VO, et al. **East Afr Med J** 1985 Apr; 62(4):236–42

Association of penicillin tolerance with failure to eradicate group A streptococci from patients with pharyngitis. Kim KS, et al. **J Pediatr** 1985 Nov;107(5):681–4

Role of beta-lactamase-producing bacteria in the failure of penicillin to eradicate group A streptococci. Brook I. **Pediatr Infect Dis** 1985 Sep–Oct;4(5):491–5

Leg ulcer infection with an erythromycin-resistant Streptococcus pyogenes. Hardie R, et al. **Scott Med J** 1986 Jan;31(1):39

[Distribution and changes in the susceptibility of bacteria isolated from clinical samples. II] Deguchi K, et al. **Jpn J Antibiot** 1985 Jun;38(6):1587–602 (Eng. Abstr.) (Jpn)

ENZYMOLOGY

Localization of the streptococcal C5a peptidase to the surface of group A streptococci. O'Connor SP, et al. **Infect Immun** 1986 Aug;53(2):432–4

Role of proteinase in the formation of inhibitory levels of hematin by group A streptococcus cultures on blood–containing media. Hynes WL, et al. **J Clin Microbiol** 1986 May;23(5):929–33

[Effect of testicular lidase and streptococcal hyaluronidase on bone resorption of the alveolar process in experimental periodontal diseases] Kardashchuk ND. **Stomatologiia (Mosk)** 1985 Sep–Oct;64(5):13–6 (Eng. Abstr.) (Rus)

[Autolytic disintegration of the cell wall of Streptococcus group A] Savel'ev EP, et al. **Vestn Akad Med Nauk SSSR** 1986;(7):27–30 (Eng. Abstr.) (Rus)

GENETICS

Homologous regions within M protein genes in group A streptococci of different serotypes. Scott JR, et al. **Infect Immun** 1986 May;52(2):609–12

Nucleotide sequence of the type A streptococcal exotoxin (erythrogenic toxin) gene from Streptococcus pyogenes bacteriophage T12. Weeks CR, et al. **Infect Immun** 1986 Apr;52(1):144–50

Integration of bacteriophage SP24 into the chromosome of group A streptococci. Spanier JG, et al. **J Bacteriol** 1985 Nov;164(2):600–4

Surface proteins in the transduction of groups A and G streptococci. Skjold SA, et al. **J Med Microbiol** 1986 Feb; 21(1):69–74

Streptococcal pyrogenic exotoxin type A (scarlet fever toxin) is related to Staphylococcus aureus enterotoxin B. Johnson LP, et al. **MGG** 1986 May;203(2):354–6

[Mechanisms and manifestations of population variability in Streptococcus pyogenes] Kaminskiĭ GD, et al. **Vestn Akad Med Nauk SSSR** 1986;(7):10–7 (37 ref.) (Eng. Abstr.) (Rus)

[The participation of streptococcal plasmids and their deletion derivatives in the correction of Rec mutations in S. pyogenes] Kolesnichenko TG, et al. **Vestn Akad Med Nauk SSSR** 1986;(7):80–4 (Rus)

GROWTH & DEVELOPMENT

Semipermeable occlusive dressings. Effects on growth of pathogenic bacteria and reepithelialization of superficial wounds. Katz S, et al. **Arch Dermatol** 1986 Jan;122(1):58–62

IMMUNOLOGY

Demonstration of streptococcal antigens produced in vivo and identification of a nephritis associated protein. Bergholm AM, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Aug; 93(4):297–306

Induction of local immunity to group A streptococci type M50 in mice by non-type-specific mechanisms. Kurl DN, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Dec; 93(6):401–5

Blocking of antibody complement-dependent effector functions by streptococcal IgG Fc-receptor and staphylococcal protein A. Schalén C, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Dec; 93(6):395–400

Protective immunity evoked by synthetic peptides of streptococcal M proteins. Beachey EH. **Adv Exp Med Biol** 1985;185:193–200

Inflammation induced by bacterial cell wall fragments in the rat air pouch. Comparison of rat strains and measurement of arachidonic acid metabolites. Yoshino S, et al. **Am J Pathol** 1985 Nov;121(2):327–36

Rapid diagnosis of group A strep pharyngitis in the emergency department. DuBois D, et al. **Ann Emerg Med** 1986 Feb;15(2):157–9

Inhibition by cyclosporin A of streptococcal cell wall–induced arthritis and hepatic granulomas in rats. Yocum DE, et al. **Arthritis Rheum** 1986 Feb;29(2):262–73

Influence of dipeptides on the interaction of immunoglobulins with bacterial Fc receptors. Yarnall M, et al. **Biochem Biophys Res Commun** 1986 Mar 28;135(3):1105–11

A method for the rapid detection of streptococcal group A antigen by specific monoclonal antibody. Savoia D, et al. **Boll Ist Sieroter Milan** 1986;65(1):69–72

Streptococcal cell wall arthritis: studies with nude (athymic) inbred Lewis rats. Ridge SC, et al. **Cell Immunol** 1985 Nov; 96(1):231–4

An idiotypic complementarity between rheumatoid factor and anti-peptidoglycan antibodies? Johnson PM, et al. **Clin Exp Immunol** 1985 Aug;61(2):373–8

The mechanism of enhancement of natural killer cell activity by soluble streptococcal products. Lapham C, et al. **Clin Immunol Immunopathol** 1986 Aug;40(2):335–46

Lack of correlation between streptococcal Fc receptors and symptomatic pharyngitis. Fisher PR, et al. **Diagn Microbiol Infect Dis** 1986 Feb;4(2):177–9

Diagnosis of group A beta-hemolytic streptococcal pharyngitis. Use of antigen detection tests. Gerber MA. **Diagn Microbiol Infect Dis** 1986 Mar;4(3 Suppl):5S–15S (39 ref.)

Isotype restriction of idiotopes associated with human anti-streptococcal A carbohydrate antibodies. Emmrich F, et al. **Eur J Immunol** 1986 May;16(5):542–6

Cell wall preparation consisting of group A carbohydrate and peptidoglycan moieties from Streptococcus pyogenes activates murine B lymphocytes. Morisaki I, et al. **Immunobiology** 1985 Nov;170(4):293–304

Activation of human blood lymphocytes and monocytes by the streptococcal preparation OK432: enhanced generation of soluble cytotoxic factors. Uchida A, et al. **Immunol Lett** 1985;10(3–4):177–81

Arthropathic group A streptococcal cell walls require specific antibody for activation of human complement by both the classical and alternative pathways. Eisenberg RA, et al. **Infect Immun** 1986 Aug;53(2):324–30

Unimpaired function of human phagocytes in the presence of phagocytosis-resistant group A streptococci. Manjula BN, et al. **Infect Immun** 1985 Dec;50(3):610–3

Localization of protective epitopes of the amino terminus of type 5 streptococcal M protein. Dale JB, et al. **J Exp Med** 1986 May 1;163(5):1191–202

Administration of group A streptococcal cell walls to rats induces an interleukin 2 deficiency. Ridge SC, et al. **J Exp Med** 1986 Jul 1;164(1):327–32

Bacterial cell wall–induced hepatic granulomas. An in vivo model of T cell–dependent fibrosis. Wahl SM, et al. **J Exp Med** 1986 Apr 1;163(4):884–902

Inhibition of complement-mediated opsonization and phagocytosis of Streptococcus pyogenes by D fragments of fibrinogen and fibrin bound to cell surface M protein. Whitnack E, et al. **J Exp Med** 1985 Dec 1;162(6):1983–97

Diagnosis of streptococcal pharyngitis by rapid antigen detection from the throat swab. Wolinsky E, et al. **J Fam Pract** 1986 Mar;22(3):277–8, 280

A study of anti–group A streptococcal monoclonal antibodies cross–reactive with myosin. Cunningham MW, et al. **J Immunol** 1986 Jan;136(1):293–8

Analysis of anti–streptococcal group A carbohydrate idiotope levels in sera: correlation of magnitude of expression with idiotope position and VK haplotype. Greenspan NS, et al. **J Immunol** 1986 Jul 1;137(1):228–33

Monoclonal antibodies cross–reactive with group A streptococci and normal and psoriatic human skin. Swerlick RA, et al. **J Invest Dermatol** 1986 Sep;87(3):367–71

Assay for antibodies to group C and G streptococcal carbohydrate by enzyme–linked immunosorbent assay. Ayoub EM, et al. **J Lab Clin Med** 1986 Mar;107(3):204–9

Are all recurrences of "pure" Sydenham chorea true recurrences of acute rheumatic fever? Berrios X, et al. **J Pediatr** 1985 Dec;107(6):867–72

Antigen detection test for streptococcal pharyngitis: evaluation of sensitivity with respect to true infections. Gerber MA, et al. **J Pediatr** 1986 May;108(5 Pt 1):654–8

Mechanism of action of the group A streptococcal C5a inactivator. Wexler DE, et al. **Proc Natl Acad Sci USA** 1985 Dec;82(23):8144–8

Age effects on the reactivity of antistreptococcal cell membrane antisera to murine glomerular basement membrane. In vitro versus in vivo analysis. Lange CF, et al. **Renal Physiol** 1986;9(3):148–59

Identification of possible calcium dependent antigens in lithium diiodosalicylate extraction of group A, type 12 streptococcal cell membranes. Agostino GJ, et al. **Res Commun Chem Pathol Pharmacol** 1985 Sep; 49(3):401–14

[The significance of antipolysaccharide C antibodies from Streptococcus group A. Their importance in the diagnosis of streptococcal infections] Soffritti E, et al. **Boll Ist Sieroter Milan** 1986;65(2):138–42 (Eng. Abstr.) (Ita)

[Streptococcal infections in childhood. Evaluation of immunologic response] Colli R, et al. **Minerva Pediatr** 1985 Nov 30;37(21–22):865–74 (Eng. Abstr.) (Ita)

[A study on serum titers of anti–streptococcal polysaccharide (ASP) among school children] Nakajima K, et al. **Kansenshogaku Zasshi** 1985 Sep;59(9):883–91 (Eng. Abstr.) (Jpn)

[Preparation of monoclonal antibody to streptococcal nephritis-strain associated protein] Takasaki H. **Nippon Ika Daigaku Zasshi** 1985 Oct;52(5):530–6 (Eng. Abstr.) (Jpn)

[Monoclonal antibodies to different antigens of skin epithelium obtained by immunizing mice with streptococcus group A antigens] Abyzov VN, et al. **Biull Eksp Biol Med** 1986 Aug;102(8):197–200 (Eng. Abstr.) (Rus)

[Precipitating monoclonal antibodies to 1 of the antigenic determinants of streptococcal group-A polysaccharide] Drobyshevskaia EI, et al. **Biull Eksp Biol Med** 1986 Mar; 101(3):339–41 (Eng. Abstr.) (Rus)

[Primary prevention of rheumatism: the status and outlook (vaccine)] Rotta Y. **Ter Arkh** 1985;57(11):97–100 (Rus)

[Antibodies to polysaccharides of group A Streptococcus in patients with rheumatism after mitral commissurotomy] Sukharev AM, et al. **Ter Arkh** 1985;57(8):118–21 (Eng. Abstr.) (Rus)

[Cytotoxic effect on different target cells in delayed hypersensitivity to the antigens of Streptococcus group A] Bazanova EA, et al. **Vestn Akad Med Nauk SSSR** 1986; (7):39–45 (Eng. Abstr.) (Rus)

[Immunoglobulin Fc receptors of streptococci and its relation to the virulence of the microbes] Burova LA, et al. **Vestn Akad Med Nauk SSSR** 1986;(7):57–63 (Eng. Abstr.) (Rus)

[Induction of anti–immunoglobulin synthesis during the immunization of rabbits with streptococci group A] Burova LA, et al. **Vestn Akad Med Nauk SSSR** 1986;(7):63–71

(Eng. Abstr.) (Rus)
[Antibodies reacting with epithelial cells of the thymus and skin in the sera of patients with rheumatism and erysipelas] Ryzhikova EA, et al. **Vestn Akad Med Nauk SSSR** 1986; (7):45–9 (Eng. Abstr.) (Rus)
[Myocardial anti-immunoglobulins and antibodies in sera against the ribosomes and surface antigenic determinants of microbial variants of Streptococcus group A] Shikhman AR, et al. **Vestn Akad Med Nauk SSSR** 1986;(7):35–9 (Eng. Abstr.) (Rus)
[Cytotoxic effect of lymphocytes on autologous blood monocytes in the presence of streptococcal group A antigens in patients with primary erysipelas] Bazanova EA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Apr; (4):61–5 (Eng. Abstr.) (Rus)
[Production of hybridomas synthesizing monoclonal antibodies to streptococcal group A polysaccharide] Pyt'eva Elu, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Jul;(7):35–9 (Eng. Abstr.) (Rus)
[Immunochemical analysis in research on antibodies to Streptococcus group A ribosomes] Shikhman AR, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Feb;(2):73–6 (Eng. Abstr.) (Rus)
[Use of immunoenzyme analysis for evaluating the specificity of the antibody recognition of the antigenic determinants of Streptococcus group A] Shikhman AR. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Jul;(7):52–5 (Eng. Abstr.) (Rus)

ISOLATION & PURIFICATION

The throat carrier rate of group A and other beta hemolytic streptococci among patients in general practice. Hoffmann S. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Oct; 93(5):347–51
Putting rapid group A strep throat screening tests into perspective [letter] DiNicola AF. **Am J Dis Child** 1986 Sep;140(9):852
Rapid identification of group A beta-hemolytic streptococci in throat swabs. Infectious Diseases and Immunization Committee, Canadian Paediatric Society. **Can Med Assoc J** 1986 Feb 1;134(3):228–9
Children less than three-years-old with pharyngitis. Are group A streptococci really that uncommon? Schwartz RH, et al. **Clin Pediatr (Phila)** 1986 Apr;25(4):185–8
Rapid coagglutination test for the direct detection of group A streptococci from throat swabs. Ogay K, et al. **Eur J Clin Microbiol** 1986 Jun;5(3):317–9
Sore throat culturing in community hospital staff [letter] **Infect Control** 1985 Nov;6(11):434
Cost-effective use of the throat culture in acute pharyngitis. Tiersten D. **Infect Control** 1986 Mar;7(3):188–90
Comparison of throat culture and latex agglutination test for streptococcal pharyngitis. Fischer PM, et al. **J Fam Pract** 1986 Mar;22(3):245–8
Evaluation of a two-minute strep A direct swab test (SADST) on patients with pharyngitis at a primary care clinic. Araj GF, et al. **J Hyg (Lond)** 1986 Aug;97(1):133–8
Comparison of a latex agglutination test and four culture methods for identification of group A streptococci in a pediatric office laboratory. Roddey OF, et al. **J Pediatr** 1986 Mar;108(3):347–51
Detection of group A streptococci in the laboratory or physician's office. Culture vs antibody methods. Kellogg JA, et al. **JAMA** 1986 May 16;255(19):2638–42
A follow-up study of throat carriers of streptococci among schoolchildren in Otsu City. Takeuchi T, et al. **Jpn Circ J** 1985 Dec;49(12):1254–7
Rapid detection of group A streptococci on throat swabs. Petta DN, et al. **Med Lab Sci** 1985 Jul;42(3):291–2
Epidemiological study of hemolytic streptococci in pupils in seven prefectures in Japan. Nakajima K, et al. **Osaka City Med J** 1985 Aug;31(1):1–10
A comparison between a commercial coagglutination test and conventional throat culture for the detection of group A streptococci in throat swabs. Strömberg A, et al. **Scand J Infect Dis** 1986;18(1):85–6
[Hemolytic streptococci isolated from clinical specimen in Toyama Prefecture] Kodama H, et al. **Kansenshogaku Zasshi** 1985 Sep;59(9):935–42 (Eng. Abstr.) (Jpn)
[Isolation of group A streptococci from patients with various infectious diseases] Morita M, et al. **Kansenshogaku Zasshi** 1985 Sep;59(9):877–82 (Eng. Abstr.) (Jpn)
[Isolability of serological group A streptococci using the filter paper strip method] Annenkova IP, et al. **Revmatologiia (Moskva)** 1985 Apr-Jun;(2):55–8 (Eng. Abstr.) (Rus)

METABOLISM

Related bindings of aggregated beta 2-microglobulin, IgG Fab, kappa and lambda light chains to group A streptococci. Persson MH, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1986 Feb; 94(1):25–31
Binding of Streptococcus pyogenes to soluble and insoluble fibronectin. Courtney HS, et al. **Infect Immun** 1986 Sep; 53(3):454–9
Release of fibronectin-lipoteichoic acid complexes from group A streptococci with penicillin. Nealon TJ, et al. **Infect Immun** 1986 Feb;51(2):529–35
Comparison of in vivo degradation of 125I-labeled peptidoglycan-polysaccharide fragments from group A and group D streptococci. Stimpson SA, et al. **Infect Immun** 1986 May;52(2):390–6
Uptake of iron from hemoglobin and the haptoglobin-hemoglobin complex by hemolytic bacteria. Francis RT Jr, et al. **Int J Biochem** 1985;17(7):767–73
Biochemical and biological properties of the binding of human fibrinogen to M protein in group A streptococci. Whitnack E, et al. **J Bacteriol** 1985 Oct;164(1):350–8
Identificatıcn of a unique receptor on a group A streptococcus for the Fc region of human IgG3. Yarnall M, et al. **J Immunol** 1986 Apr 1;136(7):2670–3
Production of potent immunoglobulins by group A streptococcus for antibody dependent cell-mediated cytotoxicity in mice. Murayama T, et al. **Jpn J Exp Med** 1985 Dec;55(6):225–32
Specific binding sites for monomeric and aggregated beta 2-microglobulin on surface of groups A, B, C, and G streptococci. Chhatwal GS, et al. **Microbiol Immunol** 1986; 30(2):155–64
Binding of horse-spleen ferritin to group A streptococci. Rýc M, et al. **Microbios** 1985;44(181S):261–9
Binding of human haptoglobin to streptococci of serological group A. Lämmler C, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Apr; 261(2):161–6
[Isolation and characterization of erythrogenic toxins. VIII. Purification of a biologically active protein of the molecular weight 10,000 (LMP-10k) from filtrates of Streptococcus pyogenes, strain NY-5. Relationship to erythrogenic toxin type A] Gerlach D, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Feb; 261(1):75–84 (Eng. Abstr.) (Ger)

PATHOGENICITY

Inhibition by cyclosporin A of streptococcal cell wall-induced hepatic granulomas in LEW/N rats. Allen JB, et al. **Ann NY Acad Sci** 1986;465:351–61
[Method for determining the pathogenic properties of oral microorganisms and their toxins for resistant cells] Schmidt H. **Zahn Mund Kieferheilkd** 1985;73(6):570–5 (Eng. Abstr.) (Ger)
[Clinical and pathogenetic significance of infection of erysipelas patients with the L forms of group A hemolytic Streptococcus] Cherkasov VL, et al. **Klin Med (Mosk)** 1986 Mar;64(3):51–4 (Rus)
[Correlation between the virulence of streptococci for mice and their IgG FcR activity in in vivo experiments] Katser EI. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Jul;(7):22–6 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Coaggregation between Actinomyces viscosus with Streptococcus pyogenes and Streptococcus agalactiae. Chisari G, et al. **Microbiologica** 1986 Jul;9(3):393–8
[Factors determining the adherence of S. pyogenes to human epithelial cells] Tylewska SA. **Med Dosw Mikrobiol** 1985; 37(3-4):117–30 (Eng. Abstr.) (Pol)

ULTRASTRUCTURE

Binding of IgM rheumatoid factor to group A, C and G streptococci with IgG Fc receptors. Schröder AK, et al. **Int Arch Allergy Appl Immunol** 1986;80(1):52–6
[Ultrastructural characteristics of stable L forms of some bacterial species] Mikhallova L, et al. **Acta Microbiol Bulg** 1985;17:52–7 (Eng. Abstr.) (Bul)

STREPTOCOCCUS SANGUIS

ANALYSIS

Cell surface components of Streptococcus sanguis: relationship to aggregation, adherence, and hydrophobicity. Morris EJ, et al. **J Bacteriol** 1985 Oct; 164(1):255–62

CLASSIFICATION

Differentiation of Streptococcus sanguis and S. mitior by whole-cell rhamnose content and possession of arginine dihydrolase. Price T, et al. **J Med Microbiol** 1986 May; 21(3):189–97

DRUG EFFECTS

Alterations due to ampicillin and rifampicin in S. sanguis and S. aureus isolated from dental plaque. An electron microscopic study. Filice G, et al. **Chemioterapia** 1986 Feb; 5(1):3–6

ENZYMOLOGY

Dynamic reactivities of dextransucrase. Ditson SL, et al. **Arch Biochem Biophys** 1986 Aug 15;249(1):53–60
Interaction of deoxyhalosucrose derivatives with dextransucrase. Bhattacharjee MK, et al. **Carbohydr Res** 1985 Oct 15;142(2):277–84
Purification, and comparison, of two forms of dextransucrase from Streptococcus sanguis. Grahame DA, et al. **Carbohydr Res** 1985 Oct 15;142(2):285–98

GENETICS

Genetic transformation in Streptococcus sanguis. Effects on genetic transformation by culture filtrates of Streptococcus sanguis (serogroups H and W) and streptococcus mitis (mitior) with reference to identification. Gaustad P. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Aug; 93(4):283–7
Genetic transformation in Streptococcus sanguis. Identification, surface spreading and competence of invasive strains of Streptococcus sanguis Lancefield groups H and W and other invasive viridans streptococci. Gaustad P. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Aug; 93(4):277–82
Active streptokinase from the cloned gene in Streptococcus sanguis is without the carboxyl-terminal 32 residues. Jackson KW, et al. **Biochemistry** 1986 Jan 14;25(1):108–14
Expression in Escherichia coli of streptococcal plasmid-determined erythromycin resistance directed by the cat gene promoter of pACYC 184. Malke H, et al. **J Basic Microbiol** 1985;25(6):393–400
Genetic transformation in Streptococcus sanguis. Gaustad P. **J Oslo City Hosp** 1985 Jul-Aug;35(7-8):83–102 (78 ref.)

GROWTH & DEVELOPMENT

Comparative studies on the effect of growth conditions on adhesion, hydrophobicity, and extracellular protein profile of Streptococcus sanguis G9B. Knox KW, et al. **Infect Immun** 1985 Nov;50(2):545–54
Variable colonization by oral streptococci in molar fissures of monoinfected gnotobiotic rats. van Houte J, et al. **Infect Immun** 1986 May;52(2):620–2

IMMUNOLOGY

Identification of a Streptococcus sanguis receptor for salivary agglutinins. Robinovitch MR, et al. **J Dent Res** 1986 Feb; 65(2):98–104
Chemical and immunological characterization of a novel amphipathic antigen from biotype B Streptococcus sanguis. Yamamoto T, et al. **J Gen Microbiol** 1985 Aug;131 (Pt 8):1981–8
Secretory and serum antibody responses to oral bacterial antigens associated with recurrent aphthous ulceration. Lindemann RA, et al. **J Oral Med** 1986 Apr-Jun; 41(2):75–8, 133

ISOLATION & PURIFICATION

Persistence and spread of the orally-implanted bacterium Streptococcus sanguis between persons. Svanberg M, et al. **Arch Oral Biol** 1986;31(1):1–4
Graft infection and bacteremia with a tolerant L-form of Streptococcus sanguis in a patient receiving hemodialysis. Chmel H. **J Clin Microbiol** 1986 Aug;24(2):294–5

METABOLISM

Kinetics of adhesion of the oral bacterium Streptococcus sanguis CH3 to polymers with different surface free energies. Busscher HJ, et al. **Appl Environ Microbiol** 1986 May;51(5):910–4
Use of the photoaffinity cross-linking agent N-hydroxysuccinimidyl-4-azidosalicylic acid to characterize salivary-glycoprotein-bacterial interactions. Bergey EJ, et al. **Biochem J** 1986 Feb 15;234(1):43–8
Regulation of glycolytic rate in Streptococcus sanguis grown under glucose-limited and glucose-excess conditions in a chemostat. Iwami Y, et al. **Infect Immun** 1985 Nov; 50(2):378–81
Fluoride uptake and fluoride resistance in oral streptococci. Kashket S, et al. **J Dent Res** 1985 Nov;64(11):1290–2
Anaerobic and aerobic metabolism of sorbitol in Streptococcus sanguis and Streptococcus mitior. Svensäter G, et al. **J Dent Res** 1985 Nov;64(11):1286–9
Environmental regulation of carbohydrate metabolism by Streptococcus sanguis NCTC 7865 grown in a chemostat. Marsh PD, et al. **J Gen Microbiol** 1985 Oct;131 (Pt 10):2505–14

PATHOGENICITY

Adherence of Streptococcus sanguis to hydroxyapatite coated with lysozyme and lysozyme-supplemented saliva. Tellefson LM, et al. **Infect Immun** 1986 Mar;51(3):750–9

PHYSIOLOGY

Trypsin-susceptible cell surface characteristics of Streptococcus sanguis. Oakley JD, et al. **Can J Microbiol** 1985 Dec;31(12):1103–7
Effect of saliva substitutes upon binding of selected oral bacteria to hydroxyapatite (short communication). Wolinsky LE, et al. **Caries Res** 1985;19(6):507–11
Inhibition of the interaction of Streptococcus sanguis with hexadecane droplets by 55- and 60-kilodalton hydrophobic proteins of human saliva. Babu JP, et al. **Infect Immun** 1986 Aug;53(2):278–84
Albumin as a blocking agent in studies of streptococcal adsorption to experimental salivary pellicles. Gibbons RJ, et al. **Infect Immun** 1985 Nov;50(2):592–4
Cell surface hydrophobicity of group D and viridans streptococci isolated from patients with septicaemia. Ljungh A, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 May;261(3):280–6

STREPTODORNASE see DEOXYRIBONUCLEASES

STREPTODORNASE AND STREPTOKINASE

ADMINISTRATION & DOSAGE

[Initial clinical results of the prevention of intraoperative adhesions in children] Meier H, et al. **Langenbecks Arch Chir** 1985;366:191-3 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

[Tuberculin and distreptase tests in children with bronchial asthma] Szczepanowska A, et al. **Wiad Lek** 1986 Apr 1; 39(7):449-54 (Eng. Abstr.) **(Pol)**

PHARMACODYNAMICS

[Studies of streptokinase-streptodornase (SK-SD) preparation on immunological responses. The effect of the immunosuppressive factor contained in SK-SD preparation] Takata T. **Nippon Ika Daigaku Zasshi** 1986 Jun;53(3):300-9 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Enzymatic wound cleaning and absorbable sutures. An experimental study on Varidase and Dexon sutures. Persson M, et al. **Eur Surg Res** 1986;18(2):122-8

A double-blind randomized comparison of the effect and tolerance of Varidase versus saline when instilled in the urinary bladder in patients with catheter problems. Andersson H. **J Int Med Res** 1986;14(2):91-4

STREPTOGRAMINS see VIRGINIAMYCINS

STREPTOKINASE

see related
STREPTODORNASE AND STREPTOKINASE

ADMINISTRATION & DOSAGE

Intracoronary streptokinase in acute myocardial infarction. A review. Hugenholtz PG, et al. **Acta Med Scand [Suppl]** 1985;701:135-41 (24 ref.)

Long-term follow-up after intracoronary streptokinase therapy for acute myocardial infarction. Blanke H, et al. **Am Heart J** 1985 Oct;110(4):736-42

Intracoronary streptokinase for acute myocardial infarction [letter] Danchin N. **Am J Cardiol** 1986 Jan 1;57(1):193

High-dose, brief-duration intravenous infusion of streptokinase in acute myocardial infarction: description of effects in the circulation. Mentzer RL, et al. **Am J Cardiol** 1986 Jun 1;57(15):1220-6

Inadvertent administration of streptokinase to patients with pericarditis. Tilley WS, et al. **Am J Med** 1986 Sep; 81(3):541-4

Localized intraarterial streptokinase therapy. Hamelink JK, et al. **Am J Surg** 1986 Sep;152(3):252-6

Selective management of arterial occlusion with low-dose streptokinase. Rodriguez RL, et al. **Am J Surg** 1986 Mar; 151(3):343-6

Treatment of grafts and major vessel thrombosis with low-dose streptokinase in children. LeBlanc JG, et al. **Ann Thorac Surg** 1986 Jun;41(6):630-5

Successful early streptokinase thrombolysis of aortocoronary vein grafts. Fezzella AT, et al. **Ann Thorac Surg** 1986 Aug; 42(2):213-5

Intra-arterial fibrinolytic therapy. Efficacy of streptokinase vs urokinase. Belkin M, et al. **Arch Surg** 1986 Jul; 121(7):769-73

Intraoperative streptokinase. An adjunct to mechanical thrombectomy in the management of acute ischemia. Cohen LH, et al. **Arch Surg** 1986 Jun;121(6):708-15

A technique for postembolectomy streptokinase infusion. Early GL, et al. **Arch Surg** 1985 Dec;120(12):1395-7

The use of regional, low dose streptokinase in recently thrombosed arterial grafts. Miles CR, et al. **Aust NZ J Surg** 1986 May;56(5):417-21

High dose intravenous streptokinase in acute myocardial infarction--short and long term prognosis. MacLennan BA, et al. **Br Heart J** 1986 Mar;55(3):231-9

Incomplete lysis of thrombus in the moderate underlying atherosclerotic lesion during intracoronary infusion of streptokinase for acute myocardial infarction: quantitative angiographic observations. Brown BG, et al. **Circulation** 1986 Apr;73(4):653-61

The hypotensive effect of intravenous streptokinase in patients with acute myocardial infarction. Lew AS, et al. **Circulation** 1985 Dec;72(6):1321-6

Intravenous versus intracoronary streptokinase in acute myocardial infarction. Lo YS. **Clin Cardiol** 1985 Dec; 8(12):609-19

Low-dose intra-arterial streptokinase: benefit versus risk. Walker WJ, et al. **Clin Radiol** 1985 Jul;36(4):345-53

Streptokinase iv protocol in acute MI patients [letter] Ringer J, et al. **Drug Intell Clin Pharm** 1985 Oct;19(10):764-5

Immunologic responses to intravenous streptokinase in dogs. Dykewicz MS, et al. **Int Arch Allergy Appl Immunol** 1985; 78(4):386-90

High dose intravenous streptokinase for acute myocardial infarction: preliminary results of a multicenter trial. Hillis LD, et al. **J Am Coll Cardiol** 1985 Nov;6(5):957-62

Intra-arterial streptokinase therapy to relieve acute limb ischemia. Ferguson LJ, et al. **J Vasc Surg** 1986 Sep; 4(3):205-10

Prevention of myocardial damage in acute myocardial ischemia by early treatment with intravenous streptokinase. Koren G, et al. **N Engl J Med** 1985 Nov 28;313(22):1384-9

A prospective randomized clinical trial of intracoronary streptokinase versus coronary angioplasty for acute myocardial infarction. O'Neill W, et al. **N Engl J Med** 1986 Mar 27;314(13):812-8

Factors predicting the outcome of regional streptokinase therapy for peripheral arterial occlusions. Robinson JA, et al. **Surg Gynecol Obstet** 1985 Nov;161(5):453-6

Thrombolytic therapy with intracoronary or intravenous streptokinase during acute myocardial infarction. Lew AS, et al. **Z Kardiol** 1985;74 Suppl 6:129-34

[Intracoronary thrombolysis or brief intravenous infusion of high-dose streptokinase in the treatment of acute myocardial infarction] Verstraete M, et al. **Presse Med** 1986 Apr 5;15(14):655-9 (Eng. Abstr.) **(Fre)**

[Local streptokinase administration in massive pulmonary embolism] Oltmanns G, et al. **Folia Haematol (Leipz)** 1986; 113(1-2):47-56 (Eng. Abstr.) **(Ger)**

[Stability of streptokinase in various infusion media at different temperatures] Rattke W, et al. **Folia Haematol (Leipz)** 1986;113(1-2):99-107 (Eng. Abstr.) **(Ger)**

[The state of thrombolytic therapy in acute myocardial infarct] Slany J. **Wien Klin Wochenschr** 1985 Sep 13; 97(17):677-86 (106 ref.) (Eng. Abstr.) **(Ger)**

[Intrapericardial administration of drugs in the animal experiment] Sedlarik KM, et al. **Z Exp Chir Transplant Kunstliche Organe** 1985;18(5):308-14 (Eng. Abstr.) **(Ger)**

[Intravenous streptokinase in acute myocardial infarction] Koren G, et al. **Harefuah** 1985 Jun 16;108(12):573-6 (Eng. Abstr.) **(Heb)**

[Treatment of the acute phase of myocardial infarction with thrombolytic drugs] Darocha Z. **Pol Tyg Lek** 1985 Sep 23;40(38):1061-5 **(Pol)**

[Thrombolytic treatment of acute myocardial infarction] Kuch J. **Wiad Lek** 1985 Oct 1;38(19):1357-60 (10 ref.) **(Pol)**

[New invasive medical technics in the treatment of coronary disease and acute myocardial infarction] Sterkowicz S. **Wiad Lek** 1985 Oct 15;38(20):1441-6 (Eng. Abstr.) **(Pol)**

[Limiting the area of myocardial necrosis and ischemia by intravenous infusion of nitroglycerin and streptokinase in the early stage of myocardial infarction evaluated by multifocal electrocardiography and release of the CK-MB isoenzyme] Szczepańczyk E, et al. **Wiad Lek** 1985 Dec 1;38(23):1625-31 (Eng. Abstr.) **(Pol)**

[Rate of development and the size of the necrotic focus in patients with myocardial infarct treated by intracoronary thrombolysis] Golikov AP, et al. **Kardiologiia** 1986 May; 26(5):12-7 (Eng. Abstr.) **(Rus)**

[Systematic and selective use of streptokinase in acute myocardial infarct] Sesto M, et al. **Lijec Vjesn** 1986 Feb-Mar;108(2-3):77-83 (Eng. Abstr.) **(Scr)**

ADVERSE EFFECTS

Streptokinase therapy in the routine management of deep venous thrombosis in the lower extremities. A retrospective study of phlebographic results and therapeutic complications. Ott P, et al. **Acta Med Scand** 1986; 219(3):295-300

Peripheral embolization during thrombolytic therapy for left atrial thrombus. Blazer D, et al. **Am J Cardiol** 1986 Sep 1;58(6):554-5

Ischemia during angioplasty after streptokinase: a marker of myocardial salvage. Satler LF, et al. **Am J Cardiol** 1985 Nov 1;56(12):749-52

Identification of patients at risk for anaphylaxis due to streptokinase. Dykewicz MS, et al. **Arch Intern Med** 1986 Feb;146(2):305-7

Streptokinase skin testing [letter] McClellan SH, et al. **Arch Intern Med** 1986 Sep;146(9):1855

Pulmonary dysfunction associated with streptokinase therapy. Kerstein MD, et al. **Arch Surg** 1986 Jul; 121(7):852-3

Bleeding complications of intracoronary fibrinolytic therapy in acute myocardial infarction. Assessment of risk in a randomised trial. Verheugt FW, et al. **Br Heart J** 1985 Nov;54(5):455-9

Saddle embolism of the aorta. A complication of streptokinase therapy. Travis WD, et al. **Cardiology** 1986; 73(3):156-9

Hypersensitivity vasculitis associated with streptokinase [letter] Thompson RF, et al. **Clin Pharm** 1985 Jul-Aug; 4(4):383, 386

Cerebral embolus as a complication of streptokinase therapy [letter] Earnshaw JJ, et al. **Clin Radiol** 1985 Nov;36(6):658

Coronary artery dissection after transluminal angioplasty. Possible deleterious effects of treatment with intracoronary streptokinase. Steffenino G, et al. **G Ital Cardiol** 1986 May; 16(5):436-8

[Case report on the demonstration of successful interdisciplinary cooperation] Dressler C, et al. **Anaesthesiol Reanim** 1986;11(2):79-83 (Eng. Abstr.) **(Ger)**

[Hypersensitivity to streptokinase (editorial)] Aderka D, et al. **Harefuah** 1986 Apr 1;110(7):366-7 **(Heb)**

ANALYSIS

[The conformation properties and conformation stability of streptokinase and its polymer derivative] Taratina TM, et al. **Biokhimiia** 1985 Aug;50(8):1312-8 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Interaction of SK-human plasmin, SK-dog plasmin complexes with alpha 2-antiplasmin and alpha 2-macroglobulin. Reddy KN, et al. **Thromb Res** 1986 Mar 1;41(5):671-80

GENETICS

Active streptokinase from the cloned gene in Streptococcus sanguis is without the carboxyl-terminal 32 residues. Jackson KW, et al. **Biochemistry** 1986 Jan 14;25(1):108-14

The streptokinase gene. Malke H, et al. **Folia Haematol (Leipz)** 1986;113(1-2):88-98

Expression of the streptokinase gene from Streptococcus equisimilis in Bacillus subtilis. Klessen C, et al. **J Basic Microbiol** 1986;26(2):75-81

IMMUNOLOGY

Immunology of streptokinase in human subjects. McGrath K, et al. **Clin Exp Immunol** 1985 Nov;62(2):421-6

Modification of acyl-plasmin-streptokinase complex with polyethylene glycol. Reduction of sensitivity to neutralizing antibody. Tomiya N, et al. **FEBS Lett** 1985 Nov 25;193(1):44-8

METABOLISM

The effect of reperfusion and streptokinase on ischemic myocardium serum creatine kinase activity, MM subtypes and myocardial blood flow. Mickelson J, et al. **Adv Exp Med Biol** 1986;194:415-25

Two plasminogen activators, streptokinase and urokinase, stimulate human sperm motility. Hong CY, et al. **Andrologia** 1985 Jul-Aug;17(4):317-20

Effects of human fibrinogen and its cleavage products on activation of human plasminogen by streptokinase. Chibber BA, et al. **Biochemistry** 1985 Jul 2;24(14):3429-34

Regulation of the streptokinase-mediated activation of human plasminogen by fibrinogen and chloride ions. Chibber BA, et al. **J Biol Chem** 1986 Apr 25; 261(12):5289-95

Rapid formation of an anion-sensitive active site in stoichiometric complexes of streptokinase and human [Glu1]plasminogen. Chibber BA, et al. **Proc Natl Acad Sci USA** 1986 Mar;83(5):1237-41

PHARMACODYNAMICS

Anterior ST depression in inferior myocardial infarction: correlation with results of intracoronary thrombolysis. Berland J, et al. **Am Heart J** 1986 Mar;111(3):481-8

Noninvasive detection of coronary artery patency using continuous ST-segment monitoring. Krucoff MW, et al. **Am J Cardiol** 1986 Apr 15;57(11):916-22

Effect of streptokinase on fibrinogen and related proteins in plasma. Bowie LJ, et al. **Clin Chem** 1986 Jan;32(1 Pt 1):67-70

Intracoronary administration of streptokinase in a canine model. Disturbance in thromboxane A2-prostacyclin balance. Becker GJ, et al. **Invest Radiol** 1986 Mar; 21(3):206-9

Accelerated thrombolysis. In vitro evaluation of agents and methods of administration. Bookstein JJ, et al. **Invest Radiol** 1985 Oct;20(7):731-5

The proliferative T-lymphocyte response to streptokinase. Bruserud O, et al. **J Clin Lab Immunol** 1986 Jun;20(2):69-74

[Development of a high fibrinolytic potential around a thrombus using leukocyte Fc receptors loaded with streptase] Tsybikov NN, et al. **Biull Eksp Biol Med** 1985 Nov;100(11):581-3 (Eng. Abstr.) **(Rus)**

[Streptokinase and streptodecase--new inhibitors of gluconeogenesis] Blinov VA, et al. **Kardiologiia** 1985 Aug; 25(8):75-8 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Options in the management of graft thrombosis. Rutherford RB, et al. **Acta Chir Scand [Suppl]** 1985;529:101-5

Long-term sequelae of calf vein thrombosis treated with heparin or low-dose streptokinase. Schulman S, et al. **Acta Med Scand** 1986;219(4):349-57

Selective streptokinase fibrinolysis in femoro-iliac arterial obstruction. Sørensen K, et al. **Acta Radiol [Diagn] (Stockh)** 1986 May-Jun;27(3):279-83

Coronary thrombolytic therapy: state of the art. Marx M, et al. **AJR** 1986 Jul;147(1):1-8 (41 ref.)

Acute myocardial infarction. Streptokinase and percutaneous transluminal coronary angioplasty. Whitlow PL. **Ala J Med Sci** 1986 Apr;23(2):173-8

Fibrinolytic therapy of acute myocardial infarction in the heparin thrombosis syndrome. Cummings JM, et al. **Am Heart J** 1986 Aug;112(2):407-9

Intravenous streptokinase in acute myocardial infarction: experience of community hospitals served by paramedics.

Hartmann JR, et al. **Am Heart J** 1986 Jun;111(6):1030–4

Low-dose streptokinase therapy for Swan-Ganz catheter-induced thrombosis. Kahn SE, et al. **Am Heart J** 1985 Oct;110(4):891–3

Bradycardia and hypotension following reperfusion with streptokinase (Bezold-Jarisch reflex): a sign of coronary thrombolysis and myocardial salvage. Koren G, et al. **Am Heart J** 1986 Sep;112(3):468–71

A randomized controlled trial of intravenous streptokinase in evolving acute myocardial infarction. Olson HG, et al. **Am Heart J** 1986 Jun;111(6):1021–9

The assessment of contractile reserve after thrombolytic therapy for acute myocardial infarction. Satler LF, et al. **Am Heart J** 1986 May;111(5):821–5

Thallium-201/technetium-99m pyrophosphate overlap in patients with acute myocardial infarction after thrombolysis: prediction of depressed wall motion despite thallium uptake. Schofer J, et al. **Am Heart J** 1986 Aug; 112(2):291–5

Importance of early initiation of intravenous streptokinase therapy for acute myocardial infarction. Fine DG, et al. **Am J Cardiol** 1986 Sep 1;58(6):411–7

Factors influencing reocclusion after coronary thrombolysis for acute myocardial infarction. Gash AK, et al. **Am J Cardiol** 1986 Jan 1;57(1):175–7

Coronary thrombolysis during acute myocardial infarction by intravenous BRL 26921, a new anisoylated plasminogen-streptokinase activator complex. Kasper W, et al. **Am J Cardiol** 1986 Sep 1;58(6):416–21

Effect of intracoronary thrombolytic therapy on exercise-induced ischemia after acute myocardial infarction. Melin JA, et al. **Am J Cardiol** 1985 Nov 1; 56(12):705–11

Randomized double-blind trial of intravenous streptokinase for acute myocardial infarction. Schreiber TL, et al. **Am J Cardiol** 1986 Jul 1;58(1):47–53

Thrombolytic therapy followed by early revascularization for acute myocardial infarction. Sutton JM, et al. **Am J Cardiol** 1986 Jun 1;57(15):1227–31

Fibrinolytic therapy for femoral arterial thrombosis after cardiac catheterization in infants and children. Wessel DL, et al. **Am J Cardiol** 1986 Aug 1;58(3):347–51

Feasibility of pre-hospital fibrinolytic therapy in acute myocardial infarction. Applebaum D, et al. **Am J Emerg Med** 1986 May;4(3):201–4

Renal artery embolism treated with intra-arterial streptokinase infusion results in patent but small renal arteries. Frey FJ, et al. **Am J Nephrol** 1986;6(3):214–6

Hemodynamic and clinical assesament after therapy for acute deep vein thrombosis. A prospective study. Kakkar VV, et al. **Am J Surg** 1985 Oct 8;150(4A):54–63

Thrombolytic therapy for deep vein thrombosis. Persson AV, et al. **Am J Surg** 1985 Oct 8;150(4A):50–3

Streptokinase treatment of cats with experimentally induced aortic thrombosis. Killingsworth CR, et al. **Am J Vet Res** 1986 Jun;47(6):1351–9

Rapid lysis of coronary artery thrombi with anisoylated plasminogen: streptokinase activator complex. Treatment by bolus intravenous injection. Marder VJ, et al. **Ann Intern Med** 1986 Mar;104(3):304–10

Coronary bypass surgery early after thrombolytic therapy for acute myocardial infarction. Anderson JL, et al. **Ann Thorac Surg** 1986 Feb;41(2):176–83

The influence of infarction site and size on the ventricular response to coronary thrombolysis. Timmis GC, et al. **Arch Intern Med** 1985 Dec;145(12):2188–93

Fibrinolytic treatment by infusion of streptokinase–plasminogen–complex (activator): laboratory effects. Martin H, et al. **Behring Inst Mitt** 1986 Feb; (79):263–71

A comparison of fibrinolytic and defibrinating agents in established experimental glomerulonephritis. Tipping PG, et al. **Br J Exp Pathol** 1986 Aug;67(4):481–91

Clinical pitfalls in the non-invasive thrombolytic approach to presumed acute myocardial infarction. Ferguson DW, et al. **Can J Cardiol** 1986 May-Jun;2(3):146–51

Low-dose intra-arterial streptokinase infusion therapy of peripheral arterial occlusions and occluded vein grafts. Fong H, et al. **Can J Surg** 1986 Jul;29(4):259–62

The management of patients with acute myocardial infarction after successful reperfusion with streptokinase. Friedman MJ, et al. **Cardiol Clin** 1985 Feb;3(1):85–91

Selective low-dose streptokinase infusion in the treatment of acute transplant renal vein thrombosis. Robinson JM, et al. **Cardiovasc Intervent Radiol** 1986;9(2):86–9

Combined medical and mechanical recanalization in acute myocardial infarction. Erbel R, et al. **Cathet Cardiovasc Diagn** 1985;11(4):361–77

The role of intravenous streptokinase in acute arterial occlusions after cardiac catheterization. Gagnon RM, et al. **Cathet Cardiovasc Diagn** 1985;11(4):409–12

Coronary angiography and intracoronary thrombolytic therapy in the coronary care unit: an alternative approach. Gottlieb SO, et al. **Cathet Cardiovasc Diagn** 1985; 11(4):379–87

Thrombolytic therapy in the coronary care unit [letter] Natarajan N, et al. **Cathet Cardiovasc Diagn** 1986;12(1):73

Late thrombolysis with intracoronary streptokinase after myocardial infarction. Schechter E, et al. **Cathet Cardiovasc Diagn** 1986;12(3):172–5

Safety of helicopter transport and out-of-hospital intravenous fibrinolytic therapy in patients with evolving myocardial infarction. Topol EJ, et al. **Cathet Cardiovasc Diagn** 1986;12(3):151–5

Reperfusion arrhythmias during coronary reperfusion therapy in man. Clinical and angiographic correlations. Buckingham TA, et al. **Chest** 1986 Sep;90(3):346–51

Endobronchial streptokinase to dissolve a right mainstem clot [letter] Thomson DB. **Chest** 1986 Jun;89(6):904

Usefulness of coronary artery bypass graft surgery or percutaneous transluminal angioplasty after thrombolytic therapy. Dodge HT, et al. **Circulation** 1985 Dec;72(6 Pt 2):V39–45

The effects of the rate of intravenous infusion of streptokinase and the duration of symptoms on the time interval to reperfusion in patients with acute myocardial infarction. Lew AS, et al. **Circulation** 1985 Nov;72(5):1053–8

Management of patients after thrombolytic therapy for acute myocardial infarction. Goldberg RK, et al. **Clin Cardiol** 1985 Sep;8(9):455–9

Relief of mitral incompetence by selective intracoronary thrombolysis in hyperacute myocardial infarction. Keltai M, et al. **Cor Vasa** 1985;27(4):243–50

Selective management of arterial occlusion with low-dose streptokinase. Rodriguez RL, et al. **Curr Surg** 1986 Jan-Feb;43(1):40–2

Reperfusion ventricular arrhythmias during intracoronary thrombolysis. Della Grazia PM, et al. **Eur Heart J** 1986 May;7 Suppl A:23–30

Fibrinolytic therapy in bacterial endocarditis: experimental studies in dogs. Dewar HA, et al. **Eur Heart J** 1986 Jun; 7(6):520–7

The use of BRL26921 (APSAC) as fibrinolytic therapy in acute myocardial infarction. Hillis WS, et al. **Eur Heart J** 1985 Nov;6(11):909–12

Intravenous administration of a thrombolytic agent is the only realistic therapeutic approach in evolving myocardial infarction. Verstraete M. **Eur Heart J** 1985 Jul;6(7):586–93

First month course of left ventricular asynergy after intracoronary thrombolysis in acute myocardial infarction. A longitudinal echocardiographic study. Widimský P, et al. **Eur Heart J** 1985 Sep;6(9):759–65

Intravenous and intracoronary fibrinolytic therapy in acute myocardial infarction: overview of results on mortality, reinfarction and side-effects from 33 randomized controlled trials. Yusuf S, et al. **Eur Heart J** 1985 Jul;6(7):556–85

Influence of fibrinolysis activation on leukocyte adhesiveness. Preliminary report. Lukjan H, et al. **Folia Haematol (Leipz)** 1986;113(1–2):191–7

Changes in ventricular function associated with coronary reperfusion in acute myocardial infarction. Smalling RW. **Herz** 1986 Feb;11(1):26–32

Effects of thrombolytic therapy on evolution of left ventricular function in acute myocardial infarction. Stadius ML, et al. **Herz** 1986 Feb;11(1):33–40

IV streptokinase: when and for whom? [letter] Shanley FM, et al. **Hosp Pract [Off]** 1986 Sep 15;21(9):16

The combined use of transluminal angioplasty and selective clot lysis. Horváth L, et al. **Int Angiol** 1985 Jan-Mar; 4(1):111–6

Clinical effects and kinetic properties of intravenous APSAC—anisoylated plasminogen-streptokinase activator complex (BRL 26921) in acute myocardial infarction. Been M, et al. **Int J Cardiol** 1986 Apr;11(1):53–61

Comparison of fibrinolytic treatment with interruption of the inferior caval vein in the prevention of pulmonary embolism. Haissaguerre M, et al. **Int J Cardiol** 1986 Aug; 12(2):213–21

Axillary vein thrombosis—local treatment with streptokinase. Mealy K, et al. **Ir Med J** 1985 Oct;78(10):289–90

Importance of continued activation of thrombin reflected by fibrinopeptide A to the efficacy of thrombolysis. Eisenberg PR, et al. **J Am Coll Cardiol** 1986 Jun;7(6):1255–62

Percutaneous transluminal coronary angioplasty after thrombolytic therapy: a prospective controlled randomized trial. Erbel R, et al. **J Am Coll Cardiol** 1986 Sep;8(3):485–95

Prevention of subsequent exercise-induced periinfarct ischemia by emergency coronary angioplasty in acute myocardial infarction: comparison with intracoronary streptokinase. Pung AY, et al. **J Am Coll Cardiol** 1986 Sep; 8(3):496–503

Acute thrombotic obstruction with disc valve prostheses: diagnostic considerations and fibrinolytic treatment. Ledain LD, et al. **J Am Coll Cardiol** 1986 Apr;7(4):743–51

Elevated serum D dimer: a degradation product of cross-linked fibrin (XDP) after intravenous streptokinase during acute myocardial infarction. Lew AS, et al. **J Am Coll Cardiol** 1986 Jun;7(6):1320–4

Preservation of global and regional left ventricular function after early thrombolysis in acute myocardial infarction. Serruys PW, et al. **J Am Coll Cardiol** 1986 Apr;7(4):729–42

Early thrombolysis in acute myocardial infarction: limitation of infarct size and improved survival. Simoons ML, et al. **J Am Coll Cardiol** 1986 Apr;7(4):717–28

Thrombolytic therapy in acute myocardial infarction utilizing high-dose, short-term intravenous streptokinase: report of a case and review of the literature. Arnold WV, et al. **J Am Osteopath Assoc** 1986 Apr;86(4):243–7

Streptokinase: an antidotal case. Long SI. **J Natl Med Assoc** 1986 May;78(5):453–4, 457

Effects of intracoronary thrombolysis on global left ventricular function assessed by an automated edge detection technique. van der Wall EE, et al. **J Nucl Med** 1986 Apr;27(4):478–83

Budd-Chiari syndrome treated with acylated streptokinase–plasminogen complex. McKee CM, et al. **J R Soc Med** 1985 Sep;78(9):768–9

Intravenous streptokinase in acute myocardial infarction: experience from a community hospital. Morse HG, et al. **J SC Med Assoc** 1986 Feb;82(2):57–60

Late thrombosis of the Björk-Shiley tilting disc valve in the tricuspid position. Thrombolytic treatment with streptokinase. Boskovic D, et al. **J Thorac Cardiovasc Surg** 1986 Jan;91(1):1–8

Should coronary artery bypass be delayed following successful direct coronary artery streptokinase thrombolysis during evolving myocardial infarction? Lolley DM, et al. **J Vasc Surg** 1986 Feb;3(2):330–7

Streptokinase in the treatment of subclavian vein thrombosis. Steed DL, et al. **J Vasc Surg** 1986 Jul;4(1):28–32

Intravenous fibrinolytic therapy of acute myocardial infarction: new perspectives from plasminogen activators? Kasper W, et al. **Klin Wochenschr** 1986 Apr 1;64(7):301–6

Streptokinase in acute myocardial infarction [letter] **Lancet** 1986 Mar 29;1(8483):738–9

Streptokinase in acute myocardial infarction [editorial] **Lancet** 1986 Feb 22;1(8478):421–2

Effectiveness of intravenous thrombolytic treatment in acute myocardial infarction. Gruppo Italiano per lo Studio della Streptochinasi nell'Infarto Miocardico (GISSI). **Lancet** 1986 Feb 22;1(8478):397–402

Reduced frequency of ventricular fibrillation after early thrombolysis in myocardial infarction [letter] Vermeer F, et al. **Lancet** 1986 May 17;1(8490):1147–8

A prospective trial of intravenous streptokinase in acute myocardial infarction (I.S.A.M.). Mortality, morbidity, and infarct size at 21 days. The I.S.A.M. Study Group. **N Engl J Med** 1986 Jun 5;314(23):1465–71

Fibrinolytic therapy with streptokinase for established experimental glomerulonephritis. Tipping PG, et al. **Nephron** 1986;43(4):258–64

Streptokinase and acute myocardial infarction [letter] White H. **NZ Med J** 1986 Aug 13;99(807):601

Intravenous streptokinase in an infant with Kawasaki's disease complicated by acute myocardial infarction. Burtt DM, et al. **Pediatr Cardiol** 1986;6(6):307–11

Arterial and venous embolization: declotting of dialysis shunts by direct injection of streptokinase. Zeit RM. **Radiology** 1986 Jun;159(3):639–41

Arterial embolism and fibrinolysis. A case report. Cilliers PH. **S Afr Med J** 1986 Mar 29;69(7):447–50

Intracoronary thrombolytic therapy performed within a coronary care unit: one year's experience. Hillis WS, et al. **Scott Med J** 1986 Jan;31(1):25–9

Intracoronary thrombolysis and early bypass surgery for acute myocardial infarct: five years' experience. Messmer BJ, et al. **Thorac Cardiovasc Surg** 1986 Feb;34(1):1–4

The systemic fibrinolytic effect of BRL 26921 during the treatment of acute peripheral arterial occluaions. Earnshaw JJ, et al. **Thromb Haemost** 1986 Apr 30;55(2):259–62

Proteolysis of histidine-rich glycoprotein in plasma and in patients undergoing thrombolytic therapy. Smith A, et al. **Thromb Res** 1985 Dec 1;40(5):653–61

Results of systemic thrombolysis with streptokinase for recurrent arterial occlusion in the aorto-iliaco-femoral region: a long-term trial. Fischer M, et al. **Vasa** 1986; 15(1):61–6

Long-term results of local low dose thrombolytic therapy of arterial embolism of the lower limb. Stiegler H, et al. **Vasa** 1986;15(1):71–6

A review of fibrinolytic therapy in acute myocardial infarction. Cockins KA, et al. **W Va Med J** 1985 Sep; 81(9):191–4

[Treatment of a renal artery occluded by an embolism with low-dose streptokinase] Brandjes DP, et al. **Ned Tijdschr Geneeskd** 1985 Aug 3;129(31):1481–3 (Eng. Abstr.) **(Dut)**

[Improved prognosis for patients with early thrombolysis in acute heart infarct] Simoons ML. **Ned Tijdschr Geneeskd** 1986 Jul 12;130(28):1276–80 (Eng. Abstr.) **(Dut)**

[Thrombolysis in patients with acute heart infarct] Simoons ML, et al. **Ned Tijdschr Geneeskd** 1986 Jul 12; 130(28):1260–3 **(Dut)**

[Intravenous streptokinase versus heparin in recent acute myocardial infarction. Randomized multicenter study in the Franche-Comté] Bassand JP, et al. **Arch Mal Coeur** 1986 Apr;79(4):421–8 (Eng. Abstr.) **(Fre)**

[Anterior lead ST-segment depression in inferior wall infarction. Early angiographic study. Effect on the results of intracoronary thrombolysis] Berland J, et al. **Arch Mal Coeur** 1985 Aug;78(8):1263–70 (Eng. Abstr.) **(Fre)**

[Thrombolytic therapy and balloon dilatation. The effect on infarct time, reperfusion and reocclusion] Erbel R, et al. **Dtsch Med Wochenschr** 1986 Apr 4;111(14):523–9 (Eng. Abstr.) **(Ger)**

[Time dependence of myocardial preservation after thrombolysis. Consequences for indication and procedure] Mathey DG, et al. **Dtsch Med Wochenschr** 1985 Nov 1; 110(44):1681–5 (Eng. Abstr.) **(Ger)**

[Reinfarction after initially successful thrombolysis in acute myocardial infarct] Schwarz F, et al. **Dtsch Med Wochenschr** 1986 Apr 4;111(14):544–7 (Eng. Abstr.) **(Ger)**

[Intravenous thrombolysis treatment in fresh myocardial

infarct. Success and aftercare] Schwarz F, et al. **Dtsch Med Wochenschr** 1986 Sep 5;111(36):1367–8 (Ger)

[Fibrinolysis in massive lung embolism following cholecystectomy (letter)] Slany J, et al. **Dtsch Med Wochenschr** 1986 Apr 18;111(16):641–2 (Ger)

[Local thrombolysis in acute occlusion of a femoropopliteal Gore–Tex bypass] Stiegler H, et al. **Dtsch Med Wochenschr** 1986 Jan 17;111(3):99–101 (Eng. Abstr.) (Ger)

[Results of ultra–high streptokinase (Awelysin) doses in patients with thrombophlebitis] Altmann E, et al. **Folia Haematol (Leipz)** 1986;113(1–2):75–81 (Eng. Abstr.) (Ger)

[Short–term lysis of venous thrombosis with ultra–high streptokinase doses] Anders O, et al. **Folia Haematol (Leipz)** 1986;113(1–2):82–7 (Eng. Abstr.) (Ger)

[The question of fibrinolytic therapy of myocardial infarction in practice] Deutschinoff A, et al. **Folia Haematol (Leipz)** 1986;113(1–2):57–61 (Eng. Abstr.) (Ger)

[Thrombolytic therapy with ultra–high doses of streptokinase] Köhler M, et al. **Folia Haematol (Leipz)** 1986; 113(1–2):62–74 (Eng. Abstr.) (Ger)

[Position and developmental trends in fibrinolytic therapy] Markwardt F. **Folia Haematol (Leipz)** 1986;113(1–2):6–17 (Eng. Abstr.) (Ger)

[Therapy of pulmonary embolism] Matthias FR, et al. **Folia Haematol (Leipz)** 1986;113(1–2):38–46 (Eng. Abstr.) (Ger)

[Laboratory control of fibrinolytic therapy] Vinazzer H. **Folia Haematol (Leipz)** 1986;113(1–2):30–7 (Eng. Abstr.) (Ger)

[30 years of thrombolytic therapy] Vogel G. **Folia Haematol (Leipz)** 1986;113(1–2):18–29 (Eng. Abstr.) (Ger)

[Combined use of thrombolysis and PTCA in myocardial infarct. Effect on global and regional ventricular function] Erbel R, et al. **Herz** 1986 Feb;11(1):16–25 (Eng. Abstr.) (Ger)

[Long–term results following therapy with streptokinase in myocardial infarct] Schmutzler H, et al. **Herz** 1986 Feb; 11(1):1–8 (Eng. Abstr.) (Ger)

[Fibrinolysis therapy in massive lung embolism. Experiences in 10 patients 1982–1984] Lohri A, et al. **Schweiz Med Wochenschr** 1985 Aug 6;115(31–32):1074–9 (Eng. Abstr.) (Ger)

[Indications for coagulation–active treatment in intensive care stations in hospitals without and with coronary angiography] Lasch HG. **Verh Dtsch Ges Inn Med** 1985; 91:181–93 (Ger)

[Thrombolytic treatment of peripheral arterial circulatory disorders with streptokinase] Altmann E, et al. **Z Gesamte Inn Med** 1985 Jul 15;40(14):430–4 (Eng. Abstr.) (Ger)

[Clinical experiences with systemic high–dosage short–term fibrinolysis in acute myocardial infarct] Hagert M, et al. **Z Gesamte Inn Med** 1986 May 1;41(9):267–71 (Eng. Abstr.) (Ger)

[Residual stenosis following successful selective lysis of complete thrombotic coronary artery occlusion in acute myocardial infarct] Uebis R, et al. **Z Kardiol** 1985 Sep; 74(9):519–24 (Eng. Abstr.) (Ger)

[The Italian experience on the thrombolysis of myocardial infarct. Considerations on data from the Italian Group for the Testing of Streptokinase in Infarct] Rovelli F. **G Ital Cardiol** 1985 Dec;15(12):1117–20 (Ita)

[Revascularization of acute infarction. Analysis of the results with and without previous intracoronary thrombolysis. Influence of the time interval between the streptokinase administration and the operation] De Andrade JC, et al. **Arq Bras Cardiol** 1985 Jan;44(1):9–18 (Eng. Abstr.) (Por)

[Intracoronary thrombolytic therapy: late mortality in 147 patients treated during acute myocardial infarction. Mean follow–up of 13.5 months] Duprat R, et al. **Arq Bras Cardiol** 1985 Aug;45(2):87–90 (Eng. Abstr.) (Por)

[Coronary thrombolysis: controversies] Knobel E, et al. **Arq Bras Cardiol** 1985 May;44(5):299–302 (Por)

[Effect of intracoronary thrombolysis on the extent of myocardial infarction] Chervenka V, et al. **Kardiologiia** 1985 Sep;25(9):13–4 (Rus)

[Systemic thrombolytic therapy of myocardial infarction] Golikov AP, et al. **Kardiologiia** 1985 Oct;25(10):34–40 (Eng. Abstr.) (Rus)

[Evaluation of the therapeutic and toxico–allergic activity of streptodecase based on radionuclide and electrophysiological research methods] Gundorova RA, et al. **Vestn Oftalmol** 1985 Jul–Aug;101(4):37–40 (Eng. Abstr.) (Rus)

[Immobilized streptokinase (streptodecase) in the treatment of traumatic intra–ocular hemorrhage] Gundorova RA, et al. **Vopr Med Khim** 1985 Jul–Aug;31(4):47–51 (Eng. Abstr.) (Rus)

[Percutaneous transluminal coronary recanalization: first line treatment for evolving myocardial infarction] Finci L, et al. **Lijec Vjesn** 1985 Nov–Dec;107(11–12):515–21 (Eng. Abstr.) (Ser)

[Superior vena cava syndrome caused by a pacemaker cable, treated with streptokinase (letter)] Micó Giner L, et al. **Rev Clin Esp** 1985 Nov;177(7):358 (Spa)

[Parenteral streptokinase and transluminal coronary angioplasty in the first stage of acute myocardial infarct] Medina A, et al. **Rev Esp Cardiol** 1986 Jan–Feb;39(1):13–8 (Eng. Abstr.) (Spa)

[Thrombolysis with intracoronary streptokinase in 11 patients with acute myocardial infarction] Marchant E, et al. **Rev Med Chil** 1985 Apr;113(4):317–23 (Eng. Abstr.) (Spa)

[Streptokinase in acute myocardial infarction] Malmcrona R, et al. **Lakartidningen** 1985 Nov 27;82(48):4212–4 (Swe)

STREPTOLYDIGIN see under **ANTIBIOTICS**

STREPTOLYSINS

ANTAGONISTS & INHIBITORS

Oxidative inactivation of pneumolysin by the myeloperoxidase system and stimulated human neutrophils. Clark RA. **J Immunol** 1986 Jun 15;136(12):4617–22

BIOSYNTHESIS

Effects of norfloxacin and rifampicin on growth and streptolysin S production in hemolytic streptococci. Taketo A, et al. **Z Naturforsch [C]** 1985 Sep–Oct;40(9–10):647–51

IMMUNOLOGY

Presentation of a soluble bacterial antigen and cell–surface alloantigens by large granular lymphocytes (LGL) in comparison with monocytes. Brooks CF, et al. **Immunology** 1986 Jul;58(3):343–50

Elicited antibody nature of human monoclonal protein with anti–streptolysin O activity—analysis with monoclonal anti–idiotype antibody. Sawada S, et al. **J Clin Lab Immunol** 1986 Jan;19(1):31–5

Enzyme–linked immunosorbent assay for detection of streptolysin O antibodies. Reitano M, et al. **J Clin Microbiol** 1986 Jan;23(1):62–5

[Comparative evaluation of 3 tests for the determination of antistreptolysin titer] Martelli P, et al. **G Batteriol Virol Immunol** 1985 Jan–Jun;78(1–6):34–42 (Eng. Abstr.) (Ita)

ISOLATION & PURIFICATION

Purification of RNA–core induced streptolysin S, and isolation and haemolytic characteristics of the carrier–free toxin. Loridan C, et al. **J Gen Microbiol** 1986 Feb;132 (Pt 2):307–15

METABOLISM

Activation of streptolysin S in vitro by oligonucleotides. Taketo A, et al. **Z Naturforsch [C]** 1986 Mar;41(3):258–62

PHARMACODYNAMICS

Effect of extracellular products of Streptococcus on macrophage Fc receptors for IgG. Martínez RD, et al. **Allergol Immunopathol (Madr)** 1986 May–Jun;14(3):183–8

[Effect of streptolysin O on the functional activity of human blood leukocytes] Makarova VI, et al. **Lab Delo** 1986; (3):165–8 (Eng. Abstr.) (Rus)

TOXICITY

Membrane damage by channel–forming proteins: staphylococcal alpha–toxin, streptolysin–O and the C5b–9 complement complex. Bhakdi S, et al. **Biochem Soc Symp** 1985;50:221–33 (55 ref.)

[Method for determining the pathogenic properties of oral microorganisms and their toxins for resistant cells] Schmidt H. **Zahn Mund Kieferheilkd** 1985;73(6):570–5 (Eng. Abstr.) (Ger)

STREPTOMYCES

Phage adsorption and productive lysis in stable protoplast type L–forms of Bacillus subtilis and Streptomyces hygroscopicus. Gumpert J, et al. **J Basic Microbiol** 1986; 26(1):15–25

ANALYSIS

The primary structure of alpha–amylase inhibitor Z–2685 from Streptomyces parvullus FH–1641. Sequence homology between inhibitor and alpha–amylase. Hofmann O, et al. **Biol Chem Hoppe Seyler** 1985 Dec;366(12):1161–8

Isolation and structure elucidation of 6–(3'–methylbuten–2'–yl)isatin, an unusual metabolite from Streptomyces albus. Gräfe U, et al. **J Antibiot (Tokyo)** 1986 Jan;39(1):162–3

Actinopyrones A, B and C, new physiologically active substances. I. Producing organism, fermentation, isolation and biological properties. Yano K, et al. **J Antibiot (Tokyo)** 1986 Jan;39(1):32–7

Occurrence of squalene and dehydrosqualene in streptomycetes. Gräfe U, et al. **J Basic Microbiol** 1985; 25(8):503–7

[Effect of the exogenous lipids of complex media on the fatty acid composition of mycelial microorganisms] Konova IV, et al. **Mikrobiologiia** 1986 Jan–Feb;55(1):41–8 (Eng. Abstr.) (Rus)

CLASSIFICATION

DC–86–M, a novel antitumor antibiotic. I. Taxonomy of producing organism and fermentation. Asano K, et al. **J Antibiot (Tokyo)** 1986 May;39(5):619–23

Biphenomycins A and B, novel peptide antibiotics. I. Taxonomy, fermentation, isolation and characterization. Ezaki M, et al. **J Antibiot (Tokyo)** 1985 Nov;38(11):1453–61

Studies on a new antibiotic SF–2330. I. Taxonomy, isolation and characterization. Itoh J, et al. **J Antibiot (Tokyo)** 1986 Jun;39(6):773–9

A new antitumor antibiotic, chromoxymycin. I. Taxonomic studies on the producing strain: a new subspecies of the genus Streptomyces. Iwami M, et al. **J Antibiot (Tokyo)** 1986 Jan;39(1):6–11

7–Hydroxyguanine, a novel antimetabolite from a strain of Streptomyces purpurascens. I. Taxonomy of producing organism, fermentation, isolation and biological activity. Kitahara M, et al. **J Antibiot (Tokyo)** 1985 Aug;38(8):972–6

Lactoquinomycin, a novel anticancer antibiotic. I. Taxonomy, isolation and biological activity. Tanaka N, et al. **J Antibiot (Tokyo)** 1985 Oct;38(10):1327–32

A novel antibiotic, sohbumycin. Taxonomy, fermentation, isolation and physico–chemical and biological characteristics. Umezawa I, et al. **J Antibiot (Tokyo)** 1985 Aug;38(8):967–71

[To inquire into the classifiable position of Streptomyces erythreus 2577] Wang QX, et al. **Wei Sheng Wu Hsueh Pao** 1986 Jun;26(2):180–3 (Eng. Abstr.) (Chi)

DRUG EFFECTS

Plasmid curing and generation of mutations induced with ethidium bromide in streptomycetes. Crameri R, et al. **J Gen Microbiol** 1986 Mar;132 (Pt 3):819–24

Biochemical basis of resistance to hygromycin B in Streptomyces hygroscopicus—the producing organism. Pardo JM, et al. **J Gen Microbiol** 1985 Jun;131 (Pt 6):1289–98

The mechanism of resistance to puromycin and to the puromycin–precursor O–demethyl–puromycin in Streptomyces alboniger. Pérez–González JA, et al. **J Gen Microbiol** 1985 Nov;131 (Pt 11):2877–83

[Changes in the permeability of streptomycete cytoplasmic membranes due to gramicidin S and its derivatives] Bulgakova VG, et al. **Antibiot Med Biotekhnol** 1986 Jun; 31(6):411–6 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Streptomyces K15 DD–peptidase–catalysed reactions with suicide beta–lactam carbonyl donors. Leyh–Bouille M, et al. **Biochem J** 1986 Apr 1;235(1):177–82

Streptomyces K15 DD–peptidase–catalysed reactions with ester and amide carbonyl donors. Nguyen–Distèche M, et al. **Biochem J** 1986 Apr 1;235(1):167–76

A new site–specific endonuclease, ScaI, from Streptomyces caespitosus. Takahashi H, et al. **Biochem J** 1985 Oct 1; 231(1):229–32

Primary structure of tyrosinase from Streptomyces glaucescens. Huber M, et al. **Biochemistry** 1985 Oct 22; 24(22):6038–44

Biosynthesis of puromycin by Streptomyces alboniger: characterization of puromycin N–acetyltransferase. Vara J, et al. **Biochemistry** 1985 Dec 31;24(27):8074–81

Arogenate dehydrogenase from Streptomyces phaeochromogenes. Purification and properties. Keller B, et al. **Biol Chem Hoppe Seyler** 1985 Nov;366(11):1063–6

Purification and characterization of kynurenine formamidase activities from Streptomyces parvulus. Brown D, et al. **Can J Microbiol** 1986 Jun;32(6):465–72

Restriction–modification systems in Streptomyces antibioticus. Sánchez J, et al. **Can J Microbiol** 1985 Oct; 31(10):942–6

Affinity chromatography of neutral metalloendopeptidase produced by Streptomyces mauvecolor on N–benzyloxycarbonylglycyl–D–leucylaminohexyl–Sepharose. Inouye Y, et al. **Chem Pharm Bull (Tokyo)** 1985 Apr;33(4):1544–51

Some properties of DNA–dependent RNA polymerase from Streptomyces granaticolor. Ryšavý P, et al. **Folia Microbiol (Praha)** 1985;30(6):517–20

N–Methyl transferase of Streptomyces erythraeus that confers resistance to the macrolide–lincosamide–streptogramin B antibiotics: amino acid sequence and its homology to cognate R–factor enzymes from pathogenic bacilli and cocci. Uchiyama H, et al. **Gene** 1985;38(1–3):103–10

Isolation and properties of a puromycin acetyltransferase from puromycin–producing Streptomyces alboniger. Paik SY, et al. **J Antibiot (Tokyo)** 1985 Dec;38(12):1761–6

Action of the protease from Streptomyces cellulosae on L–Leu–Gly. Muro T, et al. **J Biochem (Tokyo)** 1986 Jun; 99(6):1625–30

Glutamine synthetase of Streptomyces cattleya: purification and regulation of synthesis. Paress PS, et al. **J Gen Microbiol** 1985 Aug;131 (Pt 8):1903–10

Purification and molecular and catalytic properties of bromoperoxidase from Streptomyces phaeochromogenes. van Pée KH, et al. **J Gen Microbiol** 1985 Aug;131 (Pt 8):1911–6

Release of Fc–receptors after streptococcal lysis induced by a lytic enzyme from Streptomyces globisporus. Tille D,

et al. **Med Microbiol Immunol (Berl)** 1986;175(1):35–41
Studies on a new progesterone–16 alpha–hydroxylating Streptomyces. Ghanem KM, et al. **Microbiol Esp** 1985 Jul–Dec;38(3–4):107–14
Nucleotide sequence of the hygromycin B phosphotransferase gene from Streptomyces hygroscopicus. Zalacain M, et al. **Nucleic Acids Res** 1986 Feb 25;14(4):1565–81
[Biosynthesis of lytic enzymes in a mixed culture of actinomycetes and yeasts] Iakovleva EP, et al. **Antibiot Med Biotekhnol** 1985 Dec;30(12):887–93 (Eng. Abstr.) (Rus)
[Interrelationship of the antibiotic and proteolytic activities of the producer Streptomyces antibioticus when different substances are added to the culture broth] Sbukoliukov SA. **Antibiot Med Biotekhnol** 1985 Nov;30(11):811–6 (Eng. Abstr.) (Rus)
[Physicochemical properties of a fibrinolytic enzyme from Streptomyces thermovulgaris culture broth] Egorov NS, et al. **Biol Nauki** 1986;(4):89–94 (Eng. Abstr.) (Rus)
[Streptomyces spheroides mutant deprepressed for exoprotease biosynthesis] Al'-Nuri MA, et al. **Mikrobiologiia** 1986 Jan–Feb;55(1):86–9 (Eng. Abstr.) (Rus)
[Effect of the cultivation conditions and ultrasonic rupture of the biomass of Streptomyces achromogenes ATCC 12767 on the yield of restriction endonucleases] Zhuravleva LI, et al. **Prikl Biokhim Mikrobiol** 1985 May–Jun; 21(3):401–6 (Eng. Abstr.) (Rus)
[Properties of glucose isomerase from Streptomyces roseus S–606] Chugui VA, et al. **Ukr Biokhim Zh** 1985 Nov–Dec; 57(6):42–6 (Eng. Abstr.) (Rus)

GENETICS

Determination of the molecular mass of bacterial genomic DNA and plasmid copy number by high–pressure liquid chromatography. Genthner FJ, et al. **Appl Environ Microbiol** 1985 Oct;50(4):1007–13
Transformation and transfection of anthracycline–producing streptomycetes. Lampel JS, et al. **Appl Environ Microbiol** 1986 Jan;51(1):126–31
Cloning and expression of human interleukin 2 in Streptomyces lividans using the Escherichia coli consensus promoter. Muñoz A, et al. **Biochem Biophys Res Commun** 1985 Dec 17;133(2):511–9
Transformation of Streptomyces granaticolor with natural and recombinant plasmid vectors. Petříček M, et al. **Folia Microbiol (Praha)** 1985;30(6):474–8
The nucleotide sequence of the tyrosinase gene from Streptomyces antibioticus and characterization of the gene product. Bernan V, et al. **Gene** 1985;37(1–3):101–10
Cloning and analysis of the promoter region of the erythromycin resistance gene (ermE) of Streptomyces erythraeus. Bibb MJ, et al. **Gene** 1985;38(1–3):215–26
Characterization of Streptomyces promoter sequences using the Escherichia coli galactokinase gene. Brawner ME, et al. **Gene** 1985;40(2–3):191–201
Cloning and amplified expression in Streptomyces lividans of a gene encoding extracellular beta–lactamase from Streptomyces albus G. Dehottay P, et al. **Gene** 1986; 42(1):31–6
Expression of a Streptomyces plasmid promoter in Escherichia coli. Deng Z, et al. **Gene** 1986;43(3):295–300
Isolation and characterization of the Streptomyces cattleya temperate phage TG1. Foor F, et al. **Gene** 1985;39(1):11–6
Cloning of a chloramphenicol acetyltransferase gene of Streptomyces acrimycini and its expression in Streptomyces and Escherichia coli. Gil JA, et al. **Gene** 1985;38(1–3):1–8
Streptomyces contain Escherichia coli–type A + T–rich promoters having novel structural features. Jaurin B, et al. **Gene** 1985;39(2–3):191–201
Cloning of a streptomycin–production gene directing synthesis of N–methyl–L–glucosamine. Kumada Y, et al. **Gene** 1986;42(2):221–4
The Streptomyces plasmid SCP2*: its functional analysis and development into useful cloning vectors. Lydiate DJ, et al. **Gene** 1985;35(3):223–35
Phenotypic changes associated with loss of expression of tylosin biosynthesis and resistance genes in Streptomyces fradiae. Baltz RH, et al. **J Antibiot (Tokyo)** 1985 Sep; 38(9):1226–36
Cloning and expression of an APH(3')–III phosphotransferase from Staphylococcus aureus in Streptomyces lividans. Crameri R, et al. **J Antibiot (Tokyo)** 1985 Sep;38(9):1246–50
Nucleotide sequence of Mec+ gene region of Streptomyces kasugaensis. Hirasawa K, et al. **J Antibiot (Tokyo)** 1985 Dec;38(12):1795–8
Cloning and characterization of the streptothricin–resistance gene which encodes streptothricin acetyltransferase from Streptomyces lavendulae. Kobayashi T, et al. **J Antibiot (Tokyo)** 1986 May;39(5):688–93
Adaptive response and enhancement of N–methyl–N'–nitro–N–nitrosoguanidine mutagenesis by chloramphenicol in Streptomyces fradiae. Baltz RH, et al. **J Bacteriol** 1985 Nov;164(2):944–6
Evidence for a sex factor in Streptomyces erythreus. DeWitt JP. **J Bacteriol** 1985 Nov;164(2):969–71
Isolation of tetracesomycin C–nonproducing Streptomyces glaucescens mutants. Motamedi H, et al. **J Bacteriol** 1986 Aug;167(2):575–80
Structural analysis of plasmid and chromosomal loci involved in site–specific excision and integration of the SLP1 element of Streptomyces coelicolor. Omer CA, et al. **J Bacteriol** 1986 Jun;166(3):999–1006
Genetic analysis of erythromycin production in Streptomyces erythreus. Weber JM, et al. **J Bacteriol** 1985 Oct; 164(1):425–33
Biochemical and genetic studies of a histidine regulatory mutant of Streptomyces coelicolor A3 (2). Derkos–Sojak V, et al. **J Basic Microbiol** 1985;25(8):479–85
DNA replication is not restricted to specific regions in young vegetative Streptomyces mycelia. Kummer C, et al. **J Basic Microbiol** 1986;26(1):27–31
Temperature–sensitive mutants of the Streptomyces plasmid pIJ702. Birch AW, et al. **J Gen Microbiol** 1985 Jun;131 (Pt 6):1299–303
Genetic and biochemical characterization of the red gene cluster of Streptomyces coelicolor A3(2). Feitelson JS, et al. **J Gen Microbiol** 1985 Sep;131 (Pt 9):2431–41
Isolation and preliminary characterization of lytic and lysogenic phages with wide host range within the streptomycetes. Greene J, et al. **J Gen Microbiol** 1985 Sep; 131 (Pt 9):2459–65
Structure of an amplifiable DNA sequence in Streptomyces lividans 66. Altenbuchner J, et al. **MGG** 1985;201(2):192–7
A restriction endonuclease map of Streptomyces phage VWB. Anné J, et al. **MGG** 1985;200(3):506–7
Mutagenic and error–free DNA repair in Streptomyces. Baltz RH, et al. **MGG** 1985;200(3):351–5
Identification of a DNA sequence associated with plasmid integration in Streptomyces coelicolor A3(2). Kendall K, et al. **MGG** 1986 Feb;202(2):240–5
A 2.6 kb DNA sequence of Streptomyces coelicolor A3(2) which functions as a transposable element. Lydiate DJ, et al. **MGG** 1986 Apr;203(1):79–88
High frequency conjugal transfer of tylosin genes and amplifiable DNA in Streptomyces fradiae. Stonesifer J, et al. **MGG** 1986 Mar;202(3):348–55
Construction and characterisation of a series of multi–copy promoter–probe plasmid vectors for Streptomyces using the aminoglycoside phosphotransferase gene from Tn5 as indicator. Ward JM, et al. **MGG** 1986 Jun;203(3):468–78
Molecular cloning and nucleotide sequence of the streptavidin gene. Argaraña CE, et al. **Nucleic Acids Res** 1986 Feb 25;14(4):1871–82
Expression in mammalian cells of a gene from Streptomyces alboniger conferring puromycin resistance. Vara JA, et al. **Nucleic Acids Res** 1986 Jun 11;14(11):4617–24
Copy number mutants of the broad–host–range Streptomyces plasmid pMG200. Krügel H, et al. **Plasmid** 1986 Jan; 15(1):1–7
The minimal replicon of a streptomycete plasmid produces an ultrahigh level of plasmid DNA. Larson JL, et al. **Plasmid** 1986 May;15(3):199–209
Construction and characterization of new cloning vectors derived from Streptomyces griseobrunneus plasmid pBT1 and containing amikacin and sulfomycin resistance genes. Nakanishi N, et al. **Plasmid** 1986 May;15(3):217–29
[Replication of Streptomyces plasmids: the DNA nucleotide sequence of plasmid pSB 24.2] Bolotin AP, et al. **Antibiot Med Biotekhnol** 1985 Nov;30(11):804–11 (Eng. Abstr.) (Rus)
[Phenomenon of the amplification of the determinant of kanamycin resistance (Kanr) in constructed hybrid plasmids in a strain of Streptomyces lividans] Starodubtseva LI, et al. **Antibiot Med Biotekhnol** 1985 Aug;30(8):565–72 (Eng. Abstr.) (Rus)
[DNA nucleotide sequence of the actinomycete plasmid pSB24.2] Bolotin AP, et al. **Dokl Akad Nauk SSSR** 1985; 283(4):1014–7 (Rus)
[Induction of mutations in Streptomyces antibioticus] Semykina LV, et al. **Genetika** 1986 Feb;22(2):339–42 (Eng. Abstr.) (Rus)

GROWTH & DEVELOPMENT

Effect of phosphate and copper on the fermentation of hydroheptin. Tunac JB, et al. **Appl Environ Microbiol** 1985 Nov;50(5):1192–5
Protoplast formation from submerged mycelium and from spore germinants of Streptomyces coelicolor. Stevenson I. **Aust J Biol Sci** 1985;38(2):175–82
Morphogenetic behaviour of two Streptomyces strains analyzed by the use of chemostats. Kretschmer S. **J Basic Microbiol** 1985;25(9):569–74
[Study of the growth of Streptomyces rimosus cultures during controlled biosynthesis of oxytetracycline using differential sucrose density gradient centrifugation] Bobyleva RI, et al. **Antibiot Med Biotekhnol** 1985 Jun; 30(6):414–9 (Eng. Abstr.) (Rus)
[Role of levorin and lytic enzymes in the interrelations of yeasts and actinomycete in a mixed culture] Iakovleva EP. **Antibiot Med Biotekhnol** 1986 Jun;31(6):416–22 (Eng. Abstr.) (Rus)

IMMUNOLOGY

[Isolation and study of the properties of the hemagglutinins produced by Streptomyces badius actinomycetes] Beliaev OA, et al. **Prikl Biokhim Mikrobiol** 1985 May–Jun; 21(3):372–7 (Eng. Abstr.) (Rus)

ISOLATION & PURIFICATION

[The two new subspecies of Streptomyces] Zhang GW, et al. **Wei Sheng Wu Hsueh Pao** 1986 Jun;26(2):101–4 (Eng. Abstr.) (Chi)

METABOLISM

Production of new hybrid antibiotics, mederrhodins A and B, by a genetically engineered strain. Omura S, et al. **Antimicrob Agents Chemother** 1986 Jan;29(1):13–9
Avermectin B2 O–methyltransferase activity in "Streptomyces avermitilis" mutants that produce increased amounts of the avermectins. Schulman MD, et al. **Antimicrob Agents Chemother** 1986 Apr;29(4):620–4
Reverse transsulfuration and its relationship to thienamycin biosynthesis in Streptomyces cattleya. Williamson JM, et al. **Antimicrob Agents Chemother** 1985 Oct;28(4):478–84
Ammonium repression of cephalosporin production by Streptomyces clavuligerus. Braña AF, et al. **Can J Microbiol** 1985 Aug;31(8):736–43
Studies on antibiotic biosynthesis by protoplasts and resting cells of Streptomyces echinatus. Part II. Effect of chromophore precursors. Gauvreau D, et al. **Can J Microbiol** 1986 May;32(5):363–72
Biosynthesis of monensins A and B: the role of isoleucine. Pospíšil S, et al. **Folia Microbiol (Praha)** 1986;31(1):8–14
Nitrogen repression of gilvocarcin V production in Streptomyces arenae 2064. Byrne KM, et al. **J Antibiot (Tokyo)** 1986 Apr;39(4):594–600
Abierixin, a new polyether antibiotic. Production, structural determination and biological activities. David L, et al. **J Antibiot (Tokyo)** 1985 Dec;38(12):1655–63
Microbial conversion of daunorubicin into N–acetyl–13(S)–dihydrodaunomycin and bisanhydro–13–dihydrodaunomycinone. Dornberger K, et al. **J Antibiot (Tokyo)** 1985 Sep;38(9):1219–25
Metabolic products of microorganisms. 225. Elloramycin, a new anthracycline–like antibiotic from Streptomyces olivaceus. Isolation, characterization, structure and biological properties. Drautz H, et al. **J Antibiot (Tokyo)** 1985 Oct;38(10):1291–301
Elloramycins B, C, D, E and F: minor congeners of the elloramycin producer Streptomyces olivaceus. Fiedler HP, et al. **J Antibiot (Tokyo)** 1986 Jun;39(6):856–9
Studies on mycotrienin antibiotics, a novel class of ansamycins. V. Isolation and structure determination of novel mycotrienin congeners. Hiramoto S, et al. **J Antibiot (Tokyo)** 1985 Aug;38(8):1103–6
A new streptomycin group antibiotic produced by Streptomyces sioyaensis. Ikeda Y, et al. **J Antibiot (Tokyo)** 1985 Dec;38(12):1803–5
A new enteromycin group antibiotic, YN–0165J–A produced by Streptomyces sp. Imai H, et al. **J Antibiot (Tokyo)** 1986 Apr;39(4):601–2
Occurrence of 1,2,4–triazole ring in actinomycetes. Imamura N, et al. **J Antibiot (Tokyo)** 1985 Aug;38(8):1110–1
Liposidomycins: novel nucleoside antibiotics which inhibit bacterial peptidoglycan synthesis. Isono K, et al. **J Antibiot (Tokyo)** 1985 Nov;38(11):1617–21
Synthesis of benzylpenicillin by cell–free extracts from Streptomyces clavuligerus. Jensen SE, et al. **J Antibiot (Tokyo)** 1986 Jun;39(6):822–6
Epivaliolamine and deoxyvalidamine, new pseudo–aminosugars produced by Streptomyces hygroscopicus. Kameda Y, et al. **J Antibiot (Tokyo)** 1985 Dec;38(12):1816–8
Clavamycins, new clavam antibiotics from two variants of Streptomyces hygroscopicus. I. Taxonomy of the producing organisms, fermentation, and biological activities. King HD, et al. **J Antibiot (Tokyo)** 1986 Apr; 39(4):510–5
Enhanced sinefungin production by medium improvement, mutagenesis and protoplast regeneration of Streptomyces incarnatus NRRL 8089. Malina H, et al. **J Antibiot (Tokyo)** 1985 Sep;38(9):1204–10
Regulation of enzymes involved in the biosynthesis of the sesquiterpene antibiotic pentalenolactone in Streptomyces arenae. Maurer KH, et al. **J Antibiot (Tokyo)** 1986 Feb; 39(2):266–71
Defucogilvocarcin V, a new antibiotic from Streptomyces arenae 2064: isolation, characterization, partial synthesis and biological activity. Miara R, et al. **J Antibiot (Tokyo)** 1985 Sep;38(9):1280–3
Isolation of A58365A and A58365B, angiotensin converting enzyme inhibitors produced by Streptomyces chromofuscus. Mynderse JS, et al. **J Antibiot (Tokyo)** 1985 Aug;38(8):1003–7
Clavamycins, new clavam antibiotics from two variants of Streptomyces hygroscopicus. II. Isolation and structures of clavamycins A, B and C from Streptomyces hygroscopicus NRRL 15846, and of clavamycins D, E and F from Streptomyces hygroscopicus NRRL 15879. Naegeli HU, et al. **J Antibiot (Tokyo)** 1986 Apr;39(4):516–24
Angiotensin converting enzyme inhibitors produced by Streptomyces chromofuscus. Discovery, taxonomy and fermentation. Nakatsukasa WM, et al. **J Antibiot (Tokyo)** 1985 Aug;38(8):997–1002
A new antitumor antibiotic, guanine 7–N–oxide produced by Streptomyces sp. Nishii M, et al. **J Antibiot (Tokyo)** 1985 Oct;38(10):1440–3
FR–900452, a specific antagonist of platelet activating factor (PAF) produced by Streptomyces phaeofaciens. I. Taxonomy, fermentation, isolation, and physico–chemical and biological characteristics. Okamoto M, et al. **J Antibiot (Tokyo)** 1986 Feb;39(2):198–204
Isolation and structure of a new epsilon–rhodomycin

compound produced by a Streptomyces species HPL Y-11472. Reddy GC, et al. **J Antibiot (Tokyo)** 1985 Oct; 38(10):1423–5

beta-Ethynylserine, an antimetabolite of L-threonine, from Streptomyces cattleya. Sanada M, et al. **J Antibiot (Tokyo)** 1986 Feb;39(2):304–5

Biosynthesis of fluorothreonine and fluoroacetic acid by the thienamycin producer, Streptomyces cattleya. Sanada M, et al. **J Antibiot (Tokyo)** 1986 Feb;39(2):259–65

Biosynthesis of the avermectins by Streptomyces avermitilis. Incorporation of labeled precursors. Schulman MD, et al. **J Antibiot (Tokyo)** 1986 Apr;39(4):541–9

Demethylavermectins. Biosynthesis, isolation and characterization. Schulman MD, et al. **J Antibiot (Tokyo)** 1985 Nov;38(11):1494–8

Mechanism of nitrogen regulation of protylonolide biosynthesis in Streptomyces fradiae. Tanaka Y, et al. **J Antibiot (Tokyo)** 1986 Jun;39(6):813–21

PD 116,152, a novel phenazine antitumor antibiotic. Discovery, fermentation, culture characterization and biological activity. Tunac JB, et al. **J Antibiot (Tokyo)** 1986 Feb;39(2):192–7

Saquayamycins, new aquayamycin-group antibiotics. Uchida T, et al. **J Antibiot (Tokyo)** 1985 Sep;38(9):1171–81

Foroxymithine, a new inhibitor of angiotensin-converting enzyme, produced by actinomycetes. Umezawa H, et al. **J Antibiot (Tokyo)** 1985 Dec;38(12):1813–5

PD 118,576: a new antitumor macrolide antibiotic. Wilton JH, et al. **J Antibiot (Tokyo)** 1985 Nov;38(11):1449–52

Anthracycline metabolites of tetracenomycin C-nonproducing Streptomyces glaucescens mutants. Yue S, et al. **J Bacteriol** 1986 Aug;167(2):581–6

Uptake of nourseothricin by the producing microorganism, Streptomyces noursei. Röder B, et al. **J Basic Microbiol** 1985;25(10):669–73

Identification of some streptomycetes producing oxytetracycline. Al-Jawadi M, et al. **J Gen Microbiol** 1985 Sep;131 (Pt 9):2241–4

Mechanism of self-protection in a puromycin-producing micro-organism. Sugiyama M, et al. **J Gen Microbiol** 1985 Aug;131 (Pt 8):1999–2005

Further studies on the biosynthesis of granaticin. He XG, et al. **Z Naturforsch [C]** 1986 Jan-Feb;41(1-2):215–21

[Metabolism of phosphate-limited Streptomyces cultures. III. The ambivalent effect of phosphates in nourseothricin-producing cultures of Streptomyces noursei JA 3890b] Müller PJ, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1985 Aug; 260(1):15–34 (Eng. Abstr.) **(Ger)**

[Identification with roseofungin of an antibiotic produced by Streptomyces roseoflavus strain A-23/791 and its undifferentiated variant] Daurenbekova AS, et al. **Antibiot Med Biotekhnol** 1985 Jul;30(7):525–9 (Eng. Abstr.) **(Rus)**

[Dynamics of protein biosynthesis in a Streptomyces erythreus culture and its alteration as affected by exogenous erythromycin] Listvinova SN, et al. **Antibiot Med Biotekhnol** 1986 Apr;31(4):246–8 (Eng. Abstr.) **(Rus)**

[Formation of a streptothricin-group antibiotic by a Streptomyces glaucus 1136 culture] Preobrazhenskaia TP, et al. **Antibiot Med Biotekhnol** 1986 May;31(5):329–33 (Eng. Abstr.) **(Rus)**

[Valinomycin biosynthesis and the dynamics of the content of macroergic phosphorus compounds in Streptomyces cyaneofuscatus] Telesnina GN, et al. **Antibiot Med Biotekhnol** 1986 Jan;31(1):3–7 (Eng. Abstr.) **(Rus)**

[Extracellular proteinase inhibitor of peptide nature in Streptomyces bikiniensis 17-5] Ulezlo IV, et al. **Dokl Akad Nauk SSSR** 1985;283(3):717–9 **(Rus)**

[Carbon dioxide fixation by the mycelium of the actinomycete Streptomyces chrysomallus var. macrotetrolidi] Nefelova MV, et al. **Mikrobiologiia** 1985 Jul-Aug;54(4):681–3 (Eng. Abstr.) **(Rus)**

[Biosynthesis of the polyene antibiotic levorin and the membrane composition of Streptomyces levoris] Novikova ML, et al. **Mikrobiologiia** 1986 Mar-Apr;55(2):192–7 (Eng. Abstr.) **(Rus)**

[Production of vitamin B12 by fermentation] Oğultekin R, et al. **Mikrobiyol Bul** 1985 Oct;19(4):200–9 (Eng. Abstr.) **(Tur)**

PHYSIOLOGY

A decrease in GTP content is associated with aerial mycelium formation in Streptomyces MA406-A-1. Ochi K. **J Gen Microbiol** 1986 Feb;132 (Pt 2):299–305

A comparative study of protoplast preparation and regeneration in Streptomyces rimosus and Streptomyces lividans. Hranueli D, et al. **Microbiologica** 1986 Jul; 9(3):387–92

[Cyclic adenosine-3',5-monophosphate in Streptomyces antibioticus and its possible role in regulating oleandomycin biosynthesis and the growth of the culture] Lishnevskaia EB, et al. **Mikrobiologiia** 1986 May-Jun;55(3):455–60 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[Natural and UV-induced variability of the producer of telavimycin Streptomyces levoris, Krass, strain 243] Kandelaki ND, et al. **Antibiot Med Biotekhnol** 1985 Jul; 30(7):529–32 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Structures of liposome membranes as models for similar features of cytoplasmic membranes of bacteria. Sternberg B, et al. **Acta Histochem [Suppl] (Jena)** 1986;33:139–45

Isolation and properties of Streptomyces spore membranes. Quirós LM, et al. **J Bacteriol** 1986 Mar;165(3):923–8

STREPTOMYCES ANTIBIOTICUS see under **STREPTOMYCES**

STREPTOMYCES AUREOFACIENS

ANALYSIS

Preparation and sequencing of the closcin fragment of Streptomyces aureofaciens 16S RNA. Janda I, et al. **Biochem Biophys Res Commun** 1986 May 29;137(1):80–6

Purification and identification of Streptomyces aureofaciens ID13 antibiotic. Saleh EA, et al. **Zentralbl Mikrobiol** 1985; 140(4):325–32

METABOLISM

Molecular and functional properties of protein SS1 from small ribosomal subunits of Streptomyces aureofaciens. Mikulík K, et al. **Eur J Biochem** 1986 Mar 17;155(3):557–63

Biosynthesis of chlortetracycline. Part II—Metabolism of acetoacetate by Streptomyces aureofaciens and its relation to the biosynthesis of chlortetracycline. Maladkar NK. **Hindustan Antibiot Bull** 1985 Feb-Nov;27(1-4):1–15

Dynamic of antibiotic accumulation by Streptomyces aureofaciens in a laboratory fermentor. el-Haddad ME, et al. **Zentralbl Mikrobiol** 1985;140(4):317–23

STREPTOMYCES GRISEUS

ENZYMOLOGY

Interactions of derivatives of guanidinophenylalanine and guanidinophenylglycine with Streptomyces griseus trypsin. Hatanaka Y, et al. **Biochim Biophys Acta** 1985 Dec 20; 832(3):274–9

Interactions of Streptomyces subtilisin inhibitor with Streptomyces griseus proteases A and B. Enzyme kinetic and computer simulation studies. Christensen U, et al. **J Biochem (Tokyo)** 1985 Nov;98(5):1263–74

Characterization and regulation of p-aminobenzoic acid synthase from Streptomyces griseus. Gil JA, et al. **J Gen Microbiol** 1985 Jun;131 (Pt 6):1279–87

GENETICS

Self-cloning in Streptomyces griseus of an str gene cluster for streptomycin biosynthesis and streptomycin resistance. Ohnuki T, et al. **J Bacteriol** 1985 Oct;164(1):85–94

Cloning of a DNA fragment from Streptomyces griseus which directs streptomycin phosphotransferase activity. Vallins WJ, et al. **J Gen Microbiol** 1985 Jul;131 (Pt 7):1657–69

[The use of liposomes in the transformation of Streptomyces griseus protoplasts] Sten'ko AS, et al. **Dokl Akad Nauk SSSR** 1986;288(6):1491–3 **(Rus)**

GROWTH & DEVELOPMENT

Design and operating strategies for immobilized living cell reactor systems. Part I. Biosynthesis of candicidin. Karkare SB, et al. **Ann NY Acad Sci** 1986;469:83–90

METABOLISM

Identification of transformation products arising from bacterial oxidation of codeine by Streptomyces griseus. Kunz DA, et al. **Appl Environ Microbiol** 1985 Oct; 50(4):831–6

Possible role of streptomycin released from spore cell wall of Streptomyces griseus. Szabó I, et al. **Appl Environ Microbiol** 1985 Aug;50(2):438–40

Preparation of labeled aklanonic acid and its bioconversion to anthracyclinones by mutants of Streptomyces griseus. Eckardt K, et al. **J Antibiot (Tokyo)** 1985 Aug;38(8):1096–7

[Leukaemomycin-blocked mutants of Streptomyces griseus and their pigments. III. 11-Desoxydaunomycinone derivatives from the mutant ZIMET 43699/G44] Wagner C, et al. **J Basic Microbiol** 1985;25(10):687–93 (Eng. Abstr.) **(Ger)**

[Production of vitamin B12 by fermentation] Oğultekin R, et al. **Mikrobiyol Bul** 1985 Oct;19(4):200–9 (Eng. Abstr.) **(Tur)**

RADIATION EFFECTS

[Lethal and mutagenic effect of fast neutrons of different energies on the spores of Streptomyces griseus] Podgorskaia ME, et al. **Radiobiologiia** 1986 Jul-Aug; 26(4):510–3 (Eng. Abstr.) **(Rus)**

STREPTOMYCETACEAE

GROWTH & DEVELOPMENT

Characterization of a streptomycete growing on organophosphate and carbamate insecticides. Gauger WK, et al. **Arch Environ Contam Toxicol** 1986 Feb;15(2):137–41

ISOLATION & PURIFICATION

[Studies on pathogens of farmer's lung in Jiangsu—isolation and classification of thermophilic actinomycetes] Lu YY, et al. **Wei Sheng Wu Hsueh Pao** 1985 Dec;25(4):351–5 (Eng. Abstr.) **(Chi)**

STREPTOMYCIN

Fatal intravenous drug abuse secondary to streptomycin overdose. Rance F, et al. **J Forensic Sci** 1986 Jul; 31(3):1150–3

ADMINISTRATION & DOSAGE

Peripheral streptomycin/lidocaine injections in the treatment of idiopathic trigeminal neuralgia. A preliminary report. Sokolović M, et al. **J Maxillofac Surg** 1986 Feb;14(1):8–9

Cure of streptococcal endocarditis with six days of antibiotic therapy [letter] Bricaire F, et al. **JAMA** 1986 Mar 14; 255(10):1291

[The therapeutic efficacy of a streptomycin-hydrazide-thiacetazone regimen with different dosages of thiacetazone in pulmonary tuberculosis] **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Apr;9(2):72–6, 125 (Eng. Abstr.) **(Chi)**

[Therapy of severe hand infections with local penicillin-streptomycin administration] Zifko B. **Handchir Mikrochir Plast Chir** 1985 Nov;17 Suppl:37–43 (Eng. Abstr.) **(Ger)**

[Effect of inhalation of aerosols of antituberculer preparations on pulmonary surfactant] Pilipchuk NS, et al. **Vrach Delo** 1986 Jul;(7):21–5 (Eng. Abstr.) **(Rus)**

[Treatment of ozena by infiltration of the nasal mucosa with streptomycin and novocaine] Kitanoski B, et al. **Vojnosanit Pregl** 1985 Sep-Oct;42(5):336–9 (Eng. Abstr.) **(Ser)**

ADVERSE EFFECTS

Streptomycin induced acute hyperuricemia and podagra. Borade VB, et al. **J Assoc Physicians India** 1985 Jun; 33(6):427–8

Anaphylactic shock due to streptomycin sulphate. Prasad R. **J Indian Med Assoc** 1984 Jul;82(7):254–5

[Electrocardiographic and immunologic shifts and changes in blood coagulability in experimental myocardial infarct before and while using antibiotics] Antonova TA, et al. **Fiziol Zh** 1986 Jan-Feb;32(1):93–7 (Eng. Abstr.) **(Rus)**

[Clinico-electroencephalographic correlations in patients with neurosis-like disorders in occupational pathology induced by antibiotics] Gnesina EA, et al. **Gig Tr Prof Zabol** 1985 Oct;(10):22–5 (Eng. Abstr.) **(Rus)**

[Disorders of carbohydrate metabolism after administration of isoniazid, streptomycin and PAS and their correction with thiamine and nicotinic acid] Chirkin AA, et al. **Probl Tuberk** 1986;(5):61–4 (Eng. Abstr.) **(Rus)**

[Characteristics of incorporation of streptomycin into the structures of the internal ear after exposure to noise] Margolin GS, et al. **Vestn Otorinolaringol** 1985 Jul-Aug; (4):22–6 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

A new streptomycin group antibiotic produced by Streptomyces sioyaensis. Ikeda Y, et al. **J Antibiot (Tokyo)** 1985 Dec;38(12):1803–5

ANALYSIS

Localization of an aminoglycoside (streptomycin) in the inner ear after its systemic administration. A histochemical study using fluorescence microscopy. Bareggi R, et al. **Histochemistry** 1986;84(3):237–40

Diffusion test for the detection of streptomycin residues in milk. Yadavalli RK, et al. **J Dairy Res** 1985 Nov; 52(4):595–7

[A new all-solid-state streptomycin ion-sensitive electrode] Yao SZ, et al. **Yao Hsueh Hsueh Pao** 1985 Jun;20(6):450–6 (Eng. Abstr.) **(Chi)**

BLOOD

Determination of streptomycin in serum by high-performance liquid chromatography. Kurosawa N, et al. **J Chromatogr** 1985 Oct 11;343(2):379–85

Serum streptomycin levels in tuberculous meningitis in an infant [letter] Kibirige MS, et al. **Lancet** 1986 Apr 5; 1(8484):806–7

GENETICS

Cloning of a streptomycin-production gene directing synthesis of N-methyl-L-glucosamine. Kumada Y, et al. **Gene** 1986;42(2):221–4

Self-cloning in Streptomyces griseus of an str gene cluster for streptomycin biosynthesis and streptomycin resistance. Ohnuki T, et al. **J Bacteriol** 1985 Oct;164(1):85–94

METABOLISM

Concentrations of penicillin, streptomycin, and spiramycin in bovine udder tissue liquids. Franklin A, et al.

Am J Vet Res 1986 Apr;47(4):804–7
Streptomycin accumulation by Bacillus subtilis requires both a membrane potential and cytochrome aa3. Arrow AS, et al. **Antimicrob Agents Chemother** 1986 Jan;29(1):141–6
Possible role of streptomycin released from spore cell wall of Streptomyces griseus. Szabó I, et al. **Appl Environ Microbiol** 1985 Aug;50(2):438–40
Cross-linking of streptomycin to the 50S subunit of Escherichia coli with phenyldiglyoxal. Melançon P, et al. **Biochemistry** 1985 Oct 22;24(22):6089–95
Respiration rate, growth rate and the accumulation of streptomycin in Escherichia coli. Muir ME, et al. **J Gen Microbiol** 1985 Oct;131 (Pt 10):2573–9
Residual quantities of streptomycin sulfate in haemolymph and tissue of Heliothis virescens reared on treated diet. Sikorowski PP, et al. **Pharmacol Biochem Behav** 1985 Oct; 23(4):525–8
[Pharmacokinetics of isoniazid, rifampicin and streptomycin in tuberculosis patients with chronic cor pulmonale] Petrenko VI. **Probl Tuberk** 1985;(10):34–7 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Broad geographical distribution of homologous erythromycin, kanamycin, and streptomycin resistance determinants among group D streptococci of human and animal origin. LeBlanc DJ, et al. **Antimicrob Agents Chemother** 1986 Apr;29(4):549–55
Development of high-level streptomycin resistance affected by a plasmid in lactic streptococci. Sinha RP. **Appl Environ Microbiol** 1986 Aug;52(2):255–61
Neomycin is more efficient than streptomycin in suppressing frameshift mutations. Phoenix P, et al. **Can J Genet Cytol** 1985 Dec;27(6):776–9
Effect of streptomycin on the stoichiometry of GTP hydrolysis in a poly(U)-dependent cell-free translation system. Smailov SK, et al. **FEBS Lett** 1985 Nov 11; 192(1):165–9
Improved vector, pHSG664, for direct streptomycin-resistance selection: cDNA cloning with G:C-tailing procedure and subcloning of double-digest DNA fragments. Hashimoto-Gotoh T, et al. **Gene** 1986; 41(1):125–8
The aminoglycoside-resistance operon of the plasmid pSa: nucleotide sequence of the streptomycin-spectinomycin resistance gene. Tait RC, et al. **Gene** 1985;36(1–2):97–104
Effect of streptomycin and kanamycin on central nervous system—an experimental study. Faruqi NA, et al. **Indian J Exp Biol** 1986 Feb;24(2):97–9
Lipid changes in central auditory pathway following streptomycin intoxication in rat. Faruqi NA, et al. **Indian J Med Res** 1986 Mar;83:318–21
Factors responsible for increased susceptibility of mice to intestinal colonization after treatment with streptomycin. Que JU, et al. **Infect Immun** 1986 Jul;53(1):116–23
Enteroadhesion fimbriae and enterotoxin of Escherichia coli: genetic transfer to a streptomycin-resistant mutant of the galE oral-route live-vaccine Salmonella typhi Ty21a. Yamamoto T, et al. **Infect Immun** 1985 Dec;50(3):925–8
Fluorescence studies on a streptomycin-induced conformational change in ribosomes which correlates with misreading. Hanas JS, et al. **J Biol Chem** 1986 May 25; 261(15):6670–6
Evaluation of streptomycin and ethambutol concentrations for susceptibility testing of Mycobacterium tuberculosis by radiometric and conventional procedures. Woodley CL. **J Clin Microbiol** 1986 Feb;23(2):385–6
Mechanism of penicillin-streptomycin synergy for clinical isolates of viridans streptococci. Yee Y, et al. **J Infect Dis** 1986 Sep;154(3):531–4
How do combinations of rpsL- and miaA- generate streptomycin dependence? Diaz I, et al. **MGG** 1986 Feb; 202(2):207–11
Non-N-methyl-D-aspartate receptors mediating synaptic transmission in the avian cochlear nucleus: effects of kynurenic acid, dipicolinic acid and streptomycin. Jackson H, et al. **Neuroscience** 1985 Sep;16(1):171–9
Nucleotide sequence of the transposon Tn7 gene encoding an aminoglycoside-modifying enzyme, 3"(9)-O-nucleotidyltransferase. Fling ME, et al. **Nucleic Acids Res** 1985 Oct 11;13(19):7095–106
Misread protein creates membrane channels: an essential step in the bactericidal action of aminoglycosides. Davis BD, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(16):6164–8

THERAPEUTIC USE

Comparative trial of rifampin-doxycycline versus tetracycline-streptomycin in the therapy of human brucellosis. Ariza J, et al. **Antimicrob Agents Chemother** 1985 Oct;28(4):548–51
Comparative capacity of orally administered amoxicillin and parenterally administered penicillin-streptomycin to protect rabbits against experimentally induced streptococcal endocarditis. Pujadas R, et al. **Antimicrob Agents Chemother** 1986 May;29(5):909–12
Efficacy of long-acting oxytetracycline alone or combined with streptomycin in the treatment of bovine brucellosis. Nicoletti P, et al. **J Am Vet Med Assoc** 1985 Sep 1; 187(5):493–5
Comparative trial of co-trimoxazole versus tetracycline-streptomycin in treating human brucellosis [letter] Ariza J, et al. **J Infect Dis** 1985 Dec;152(6):1358–9
The effect of streptomycin and irradiation on rhinoscleroma (electron microscopic study). Toppozada HH, et al. **J Laryngol Otol** 1986 Jul;100(7):809–15
Use of streptomycin and isoniazid during a tuberculosis epizootic in a rhesus and cynomolgus breeding colony. Ward GS, et al. **Lab Anim Sci** 1985 Aug;35(4):395–9
[Use of enterosediv in treating dysentery patients] Kariuk SE, et al. **Voen Med Zh** 1985 Oct;(10):42–3 **(Rus)**

TOXICITY

Impairment of the chick's grip and balance by streptomycin. A preliminary study. Cohen GM, et al. **ORL J Otorhinolaryngol Relat Spec** 1985;47(5):236–41
Statoconia displacement in squirrel monkey ears. Ohashi K, et al. **ORL J Otorhinolaryngol Relat Spec** 1985;47(5):242–8
[Measurement of an auditory impairment induced by aminoglycosides using a shuttle box method in newborn rats] Kameyama T, et al. **Nippon Yakurigaku Zasshi** 1985 Dec;86(6):377–83 (Eng. Abstr.) **(Jpn)**

STREPTONIGRIN

ANALOGS & DERIVATIVES

In vitro oxidation of the 8-hydroxyquinoline moiety with metabolic activation system to a mutagenic quinoloquinone compound of lavendamycin analogs. Hibino S, et al. **Chem Pharm Bull (Tokyo)** 1986 Mar;34(3):1376–9
Streptonigrin. 1. Structure-activity relationships among simple bicyclic analogues. Rate dependence of DNA degradation on quinone reduction potential. Shaikh IA, et al. **J Med Chem** 1986 Aug;29(8):1329–40

PHARMACODYNAMICS

Effects of streptonigrin derivatives and sakyomicin A on the respiration of isolated rat liver mitochondria. Inouye Y, et al. **J Antibiot (Tokyo)** 1986 Apr;39(4):550–6
Biological properties of streptonigrin derivatives. I. Antimicrobial and cytocidal activities. Inouye Y, et al. **J Antibiot (Tokyo)** 1985 Oct;38(10):1429–32
Biological properties of streptonigrin derivatives. II. Inhibition of reverse transcriptase activity. Okada H, et al. **J Antibiot (Tokyo)** 1986 Feb;39(2):306–8

STREPTONIVICIN see **NOVOBIOCIN**

STREPTOTHRICINS see under **ANTIBIOTICS**

STREPTOZOCIN see **STREPTOZOTOCIN**

STREPTOZOTOCIN

ADMINISTRATION & DOSAGE

Hepatic arterial streptozocin: a clinical pharmacologic study in patients with liver tumors. Gyves JW, et al. **Cancer Drug Deliv** 1983;1(1):63–8

ANALOGS & DERIVATIVES

Antitumor activity and bone marrow toxicity of aminoglucose mustard anticancer agents in mice. Cantrell JE Jr, et al. **Cancer Res** 1986 May;46(5):2340–3
Effects of three new nitrosourea analogs (CNCC, RFCNU and chlorozotocin) on in vivo destruction of L 1210 leukemia cells and on the immune response. Andrade Mena CE, et al. **Chemotherapy** 1986;32(2):131–7
New diabetogenic streptozocin analogue, 3-O-methyl-2-[(methylnitrosoamino) carbonyl]amino)-D-glucopyranose. Evidence for a glucose recognition site on pancreatic B-cells. Kawada J, et al. **Diabetes** 1986 Jan;35(1):74–7
Comparative interactions of streptozotocin and chlorozotocin with DNA of an insulin-secreting cell line (RINr). Mossman BT, et al. **Diabetologia** 1986 Mar;29(3):186–91
Effect of cyclosporine and aminophylline on streptozotocin-induced diabetes in rats. Ferrero E, et al. **Immunol Lett** 1985;10(3–4):183–7
Evaluation of bleomycin, chlorozotocin, MGBG, and bruceantin in patients with advanced soft tissue sarcoma, bone sarcoma, or mesothelioma. Amato DA, et al. **Invest New Drugs** 1985;3(4):397–401
Comparative nephrotoxicity of 1-(2-chloroethyl)-3-(trans-4-methylcyclohexyl)-1-nitrosourea (MeCCNU) and chlorozotocin: functional-structural correlations in the Fischer 344 rat. Kramer RA, et al. **Toxicol Appl Pharmacol** 1986 Mar 15; 82(3):540–50

ANTAGONISTS & INHIBITORS

Acetyl-homocysteine-thiolactone-induced increase of superoxide dismutase counteracts the effect of subdiabetogenic doses of streptozocin. Papaccio G, et al. **Diabetes** 1986 Apr;35(4):470–4
Protective effect of 3-aminobenzamide, an inhibitor of poly (ADP-ribose) synthetase, against streptozotocin-induced diabetes. Masiello P, et al. **Diabetologia** 1985 Sep; 28(9):683–6

PHARMACODYNAMICS

Time course of the effect of streptozotocin on serum concentration of glucose and triglycerides and on hepatic drug metabolism in the male rat. MacFarlane M, et al. **Acta Endocrinol (Copenh)** 1986 Jun;112(2):300–4
Effects of streptozotocin injection into fetal rabbits on their subsequent growth in utero. Fletcher JM, et al. **Biol Neonate** 1986;49(1):51–9
Progressive damage of cultured pancreatic islets after single early exposure to streptozocin. Bolaffi JL, et al. **Diabetes** 1986 Sep;35(9):1027–33
DNA repair synthesis in the pancreatic islets of streptozotocin-treated mice. Sandler S, et al. **Diabetes Res** 1985 Sep;2(5):255–8
Assessment of the diabetogenic drugs alloxan and streptozotocin as models for the study of immune defects in diabetic mice. Gaulton GN, et al. **Diabetologia** 1985 Oct; 28(10):769–75
Morphometric analysis of the endocrine cell composition of rat pancreas following treatment with streptozotocin and nicotinamide. Michels JE, et al. **Exp Mol Pathol** 1986 Jun; 44(3):247–58
Inhibition by streptozotocin of the activity of succinyl-CoA synthetase in vitro and in vivo. Boquist L, et al. **FEBS Lett** 1986 Feb 17;196(2):341–3
The phospholipid contents in rat liver Golgi-rich membrane fractions after streptozotocin and/or prostaglandin treatment. Kordowiak AM. **Folia Histochem Cytobiol** 1986; 24(1):39–45
Histochemical evidence of changes in fuel metabolism induced in red, white and intermediate muscle fibres of streptozotocin-treated rats. Lawrence GM, et al. **Histochem J** 1986 Apr;18(4):203–12
Metabolic and mitochondrial disturbances in streptozotocin-treated Sprague-Dawley and Sherman rats. Rogers KS, et al. **Proc Soc Exp Biol Med** 1986 Jun; 182(2):167–75
Vascular permeability of pancreatic islets after administration of streptozotocin. Sandler S, et al. **Virchows Arch [A]** 1985; 407(4):359–67
[Hyperglycemic agents] Tchobroutsky G, et al. **Pathol Biol (Paris)** 1986 Mar;34(3):203–17 **(Fre)**
[Comparison of experimental diabetes induced by streptozotocin and cyproheptadine] Onishi E, et al. **Nippon Yakurigaku Zasshi** 1986 Feb;87(2):105–12 (Eng. Abstr.) **(Jpn)**

TOXICITY

The effect of streptozotocin on the secretory activity of ameloblasts in rat incisor as revealed by radioautography after 3H-proline administration. Karim AC, et al. **Anat Rec** 1986 Jan;214(1):41–5
Previous adaptation to a high-protein diet protects against streptozotocin-induced inhibition of insulin release from isolated rat islets. Eizirik DL, et al. **Braz J Med Biol Res** 1985;18(2):233–5
Modifications of the endocrine pancreas in rats after mixed endocrine-exocrine destruction by streptozotocin and ethionine with a protein-free diet. Michel C, et al. **Cell Mol Biol** 1986;32(1):41–54
Sensitivity of BB rat beta cells as determined by dose-responses to the cytotoxic effects of streptozotocin and alloxan. Yale JF, et al. **Diabetes Res** 1986 Mar; 3(3):161–7
Comparative interactions of streptozotocin and chlorozotocin with DNA of an insulin-secreting cell line (RINr). Mossman BT, et al. **Diabetologia** 1986 Mar;29(3):186–91
Potentiating effect of glibenclamide on the occurrence of streptozotocin diabetes. Ikeda T, et al. **Horm Metab Res** 1986 May;18(5):352

STREPTOZOTOCIN DIABETES see **DIABETES MELLITUS, EXPERIMENTAL**

STRESS

Stability of the loaded ankle. Relation between articular restraint and primary and secondary static restraints. Stormont DM, et al. **Am J Sports Med** 1985 Sep-Oct; 13(5):295–300
The concept of stress. Tennant C, et al. **Aust NZ J Psychiatry** 1985 Jun;19(2):113–8
Fetal stress and distress. Young BK. **Birth Defects** 1985; 21(5):155–74 (54 ref.)
Stress ulceration [letter] Boyko DA, et al. **Br J Hosp Med** 1985 Sep;34(3):186–7
Does nasoenteral feeding afford adequate gastroduodenal stress prophylaxis? Valentine RJ, et al. **Crit Care Med** 1986 Jul;14(7):599–601
Metabolism in isolated closed-head injury: stress or bedrest? Deutschman CS, et al. **Curr Surg** 1986 Jan-Feb;43(1):28–30
Quantity versus quality: is stress the link? [editorial] **Fam Pract** 1985 Sep;2(3):125–6
Prenatal stress effects over two generations in rats. Pollard I. **J Endocrinol** 1986 May;109(2):239–44
Occupational stress, personal strain, and coping among residents and faculty members. Alexander D, et al. **J Med Educ** 1985 Nov;60(11):830–9
Immune response after oral surgical stress of rats. Dean DH, et al. **J Oral Med** 1985 Oct-Dec;40(4):183–4
Effects of low stress during pregnancy on certain parameters

of the offspring. Rojo M, et al. **Physiol Behav** 1985 Jun; 34(6):895–9
[Psychocosial strain, stress and ischemic heart disease. II. Occupational stress] Kristensen TS, et al. **Ugeskr Laeger** 1986 Jan 27;148(5):275–81 (Eng. Abstr.) **(Dna)**
[Finite element analysis of stresses and strains in the heart] Inooka E, et al. **Iyodenshi To Seitai Kogaku** 1985 Dec; 23(7):441–6 **(Jpn)**

BLOOD

The effect of 6-hydroxydopamine infused into the third cerebral ventricle on the plasma cortisol concentration in sheep subjected to repeated and prolonged stress stimuli. Domański E, et al. **Acta Endocrinol (Copenh)** 1985 Dec; 110(4):546–52
Changes in plasma glycerol level in rabbits during fatigue-induced stress. Swiecka E, et al. **Acta Physiol Pol** 1984 Sep–Dec;35(5–6):485–90
Blood lactate and perceived exertion during heat stress. Bergh U, et al. **Acta Physiol Scand** 1986 Apr;126(4):617–8
Effect of exposure to heat, hypoxia, cold, acceleration, and vibration stress on the total blood sulfhydryl groups in human subjects. Iyer EM, et al. **Aviat Space Environ Med** 1985 Nov;56(11):1097–101
Secretion of N-terminal pro-opiomelanocortin-derived peptides in response to acute haemorrhagic stress in conscious sheep. Owens P, et al. **Biochem Biophys Res Commun** 1985 Dec 17;133(2):648–53
Blood carnitine concentrations are increased after surgical stress. French TJ, et al. **Biochim Biophys Acta** 1986 Jun 3;882(1):133–5
Lipoprotein lipases and stress hormones: studies with glucocorticoids and cholera toxin. Hülsmann WC, et al. **Biochim Biophys Acta** 1986 Jan 3;875(1):69–75
General anesthesia and surgical stress increase plasma immunoreactive beta-endorphin-like substances. Kokubu M, et al. **Bull Tokyo Med Dent Univ** 1985 Jun;32(2):49–55
Reduced testosterone levels in cluster headache: a stress-related phenomenon? Facchinetti F, et al. **Cephalalgia** 1986 Mar;6(1):29–34
Correlation of simultaneously determined plasma insulin and glucose levels in fasting and mildly or severely stressed raptors. Minick MC. **Comp Biochem Physiol [A]** 1986; 83(2):301–5
A thrombelastographic study of the effect of stress on the blood coagulation in Cyprinus carpio (Cyprinidae) and Oreochromis mossambicus (Cichlidae). van Vliet KJ, et al. **Comp Biochem Physiol [A]** 1985;82(1):23–7
Physiological stress responses in big gamefish after capture: observations on plasma chemistry and blood factors. Wells RM, et al. **Comp Biochem Physiol [A]** 1986;84(3):565–71
Plasma catecholamines and erythrocyte swelling following capture stress in a marine teleost fish. Ling N, et al. **Comp Biochem Physiol [C]** 1985;82(1):231–4
Effects of confinement stress and additional zinc treatment on some blood parameters in the dogfish Scyliorhinus canicula. Torres P, et al. **Comp Biochem Physiol [C]** 1986; 83(1):89–92
Plasma catecholamines following nursing procedures in a neonatal ward. Lagercrantz H, et al. **Early Hum Dev** 1986 Jul;14(1):61–5
Stress-induced elevation of testosterone concentration in high ranking baboons: role of catecholamines. Sapolsky RM. **Endocrinology** 1986 Apr;118(4):1630–5
Changes in plasma cortisol during stress and smoltification in coho salmon, Oncorhynchus kisutch. Barton BA, et al. **Gen Comp Endocrinol** 1985 Sep;59(3):468–71
The renin-angiotensin-aldosterone system and adaptation to stress in old age. Korkushko OV, et al. **Hum Physiol** 1984 Jul–Aug;10(4):300–3
Plasma exchange-induced biological stress of the Hagemann-mediated systems: results of contact activation and plasma substitution. Colla L, et al. **Int J Artif Organs** 1985 Jul;8 Suppl 2:49–54
Effect of venipuncture stress on plasma prolactin levels. Ferriani RA, et al. **Int J Gynaecol Obstet** 1985 Dec; 23(6):459–62
Correlation between plasma fibronectin level and experimental rat heat stress mortality. DuBose DA, et al. **J Appl Physiol** 1985 Sep;59(3):706–9
Plasma hormonal responses at graded hypohydration levels during exercise-heat stress. Francesconi RP, et al. **J Appl Physiol** 1985 Dec;59(6):1855–60
Melatonin and N-acetylserotonin stress responses: effects of type of stimulation and housing conditions. Seggie J, et al. **J Pineal Res** 1985;2(1):39–49
Intra-cerebroventricular captopril reduces plasma ACTH and vasopressin responses to hemorrhagic stress. Cameron VA, et al. **Life Sci** 1986 Feb 10;38(6):553–9
Dietary tyrosine suppresses the rise in plasma corticosterone following acute stress in rats. Reinstein DK, et al. **Life Sci** 1985 Dec 9;37(23):2157–63
Plasma catecholamine measurements in resting and stressed conscious rats, using high performance liquid chromatography with electrochemical detection. Siri FM, et al. **Life Sci** 1985 Nov 18;37(20):1923–31
Stress, adrenals, and vitamin C. Richardson J. **Med Hypotheses** 1985 Aug;17(4):399–402
Restraint stress decreases afternoon plasma prolactin levels in female rats. Influence of neural antagonists and agonists on restraint-induced changes in plasma prolactin and corticosterone. Gala RR, et al. **Neuroendocrinology** 1986; 43(2):115–23
Plasma norepinephrine, epinephrine and corticosterone stress responses to restraint in individual male and female rats, and their correlations. Livezey GT, et al. **Neurosci Lett** 1985 Nov 20;62(1):51–6
Polymorphonuclear leukocyte adherence and chemotaxis in stressed and healthy neonates. Krause PJ, et al. **Pediatr Res** 1986 Apr;20(4):296–300
Causal links between plasma and CSF endorphin levels in stress: vector-ARMA analysis. Carr DB, et al. **Peptides** 1985;6 Suppl 1:5–10
Central norepinephrine and plasma corticosterone following acute and chronic stressors: influence of social isolation and handling. Irwin J, et al. **Pharmacol Biochem Behav** 1986 Apr;24(4):1151–4
ACTH, beta-endorphin and met-enkephalin: peripheral modifications during the stress of human labor. Pancheri P, et al. **Psychoneuroendocrinology** 1985;10(3):289–301
Statistical relations of some blood parameters along recovery from imposed stress in dogfish. Torres P, et al. **Rev Esp Fisiol** 1986 Mar;42(1):7–14
Platelet function in surgical stress. Naesh O, et al. **Thromb Haemost** 1985 Dec 17;54(4):849–52
[Evaluation of the inhibitory effect of circulating corticosteroids on circadian stimulated and stress induced secretion of ACTH in rats] Ixart G, et al. **C R Soc Biol (Paris)** 1985;179(3):346–51 (Eng. Abstr.) **(Fre)**
[Significance of endocrine parameters of stress] von Bormann B, et al. **Anaesthesist** 1985 Jun;34(6):280–6 (Eng. Abstr.) **(Ger)**
[Effect of alpha-tocopheryl acetate on blood biochemical parameters in albino rats as affected by acoustic stress] Melkonian MM, et al. **Biull Eksp Biol Med** 1985 Sep; 100(9):270–2 (Eng. Abstr.) **(Rus)**
[Effect of animal serum on mitochondrial respiration in stress] Babskii AM, et al. **Vopr Med Khim** 1985 Sep–Oct;31(5):22–5 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

[Reaction of the immune system to stress factors in relation to lymphoendocrine function biorhythms] Kozlov VA, et al. **Vestn Akad Med Nauk SSSR** 1985;(8):34–8 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Stress-ulcers. A review. Van Damme K, et al. **Acta Anaesthesiol Belg** 1985 Dec;36(4):413–20 (35 ref.)
Sulphasalazine and experimental stress ulcers. Ogle CW, et al. **Agents Actions** 1985 Dec;17(2):153–7
Cimetidine versus antacids in the prevention of stress erosions in critically ill patients. Poleski MH, et al. **Am J Gastroenterol** 1986 Feb;81(2):107–11
Stress fracture of the ribs in female rowers. Holden DL, et al. **Am J Sports Med** 1985 Sep–Oct;13(5):342–8
Radiographic and histologic analyses of stress fracture in rabbit tibias. Li GP, et al. **Am J Sports Med** 1985 Sep–Oct; 13(5):285–94
Stress changes of the distal radial epiphysis in young gymnasts. A report of twenty-one cases and a review of the literature. Roy S, et al. **Am J Sports Med** 1985 Sep–Oct; 13(5):301–8
Acute stress ulceration. Hillman K. **Anaesth Intensive Care** 1985 Aug;13(3):230–40 (99 ref.)
Stress-induced neurological impairments in an animal model of parkinsonism. Snyder AM, et al. **Ann Neurol** 1985 Nov; 18(5):544–51
Serial stressors: prior exposure to a stressor modulates its later effectiveness on gastric ulceration and corticosterone release. Murison R, et al. **Behav Neural Biol** 1986 Mar; 45(2):185–95
Autoimmune Addison's disease associated with hyperprolactinemia [letter] Hipkin LJ, et al. **Clin Endocrinol (Oxf)** 1986 Jan;24(1):113–4
The role of stress and the sympathetic nervous system in hypertension and ischemic heart disease: advantages of therapy with beta-receptor blockers. DeQuattro V, et al. **Clin Exp Hypertens [A]** 1985;7(7):907–32 (93 ref.)
Fatigue fracture of a forearm plate within a long-arm cast. Radin EL, et al. **Clin Orthop** 1986 Jun;(207):142–5
Intragastric prostaglandin E2 and the prevention of gastrointestinal hemorrhage in ICU patients. van Essen HA, et al. **Crit Care Med** 1985 Nov;13(11):957–60
Gastric mucosal protection during confinement stress: the role of intragastric glucose. Ephgrave KS, et al. **Curr Surg** 1985 Sep–Oct;42(5):375–8
Gastric acid secretion and lesion formation in rats under water-immersion stress. Hayase M, et al. **Dig Dis Sci** 1986 Feb;31(2):166–71
Prostaglandins. A surgeon's perspective. Ritchie WP Jr. **Dig Dis Sci** 1986 Feb;31(2 Suppl):32S–34S
Understanding biologic stress for study design and interpretation of results. Szabo S. **Dig Dis Sci** 1985 Dec; 30(12 Suppl):28S–31S
Atropine sulfate and 2-pyridine aldoxime methylchloride elicit stress-induced convulsions and lethality in mice and guinea pigs. Donzanti BA, et al. **Drug Chem Toxicol** 1985; 8(6):431–49
The effect of propranolol on whole-body microvibrations during examination stress. Koller EA, et al. **Eur J Appl Physiol** 1986;55(3):307–14
Gastric stress ulcer of the rat: relative contribution of the pyloric sphincter, HCO3- bile reflux and mucosal blood flow. Bénichoux R, et al. **Eur Surg Res** 1986;18(3–4):159–68
Stress by restraining potentiates morphine catalepsy in rats. Bhattacharya SK, et al. **Experientia** 1985 Dec 15; 41(12):1542–3
Induction of duodenal ulcers in rats under water-immersion stress conditions. Influence of stress on gastric acid and duodenal alkaline secretion. Takeuchi K, et al. **Gastroenterology** 1986 Sep;91(3):554–63
Behavioral treatment of headache following occupational trauma. Duckro PN, et al. **Headache** 1985 Sep;25(6):328–31
A critical analysis of the traditional tension headache model. Ramirez JJ. **Headache** 1985 Sep;25(6):337–9
Effects of taurine on stress-evoked hemodynamic and plasma catecholamine changes in spontaneously hypertensive rats. Yamamoto J, et al. **Hypertension** 1985 Nov–Dec;7(6 Pt 1):913–22
Role of opioid receptors in stress induced gastric ulceration in rats. Gupta MB, et al. **Indian J Med Res** 1986 May; 83:532–5
Prostaglandin Bx in the prevention of stress ulcers in rats. Kumashiro R, et al. **Int Surg** 1985 Jul–Sep;70(3):247–50
The preventative effect of pyridine on stress ulcers: a microvascular and morphological study. Piotrowski JJ, et al. **Int Surg** 1985 Apr–Jun;70(2):109–13
pH-dependent bactericidal barrier to gram-negative aerobes: its relevance to airway colonisation and prophylaxis of acid aspiration and stress ulcer syndromes—study in vitro. Mehta S, et al. **Intensive Care Med** 1986;12(3):134–6
Hemograms and microscopic lesions of herring gulls during captivity. Hoffman AM, et al. **J Am Vet Med Assoc** 1985 Dec 1;187(11):1125–8
Stress polycythemia [letter] Mehta BC. **J Assoc Physicians India** 1985 Dec;33(12):820–1
Conservative management of distraction-type stress fractures of the femoral neck. Aro H, et al. **J Bone Joint Surg [Br]** 1986 Jan;68(1):65–7
Recurrent stress fractures in military recruits. One-year follow-up of 66 recruits. Giladi M, et al. **J Bone Joint Surg [Br]** 1986 May;68(3):439–41
Stress fractures in military recruits. A prospective study showing an unusually high incidence. Milgrom C, et al. **J Bone Joint Surg [Br]** 1985 Nov;67(5):732–5
Hemodynamic abnormalities in borderline hypertension during mental stress. Schulte W, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 5:S128–30
Magnetostatic field effect: stress syndrome pattern and functional relation with intensity. Laforge H, et al. **J Psychol** 1986 May;120(3):299–304
The effects of thyroid hormones on the formation of stress ulcers in the rat. Money SR, et al. **J Surg Res** 1986 Feb; 40(2):176–80
Light-dark-shift stress, with special reference to spontaneous tumor incidence in female BN rats. Kort WJ, et al. **JNCI** 1986 Mar;76(3):439–46
Acute gastric mucosal lesions—a new experimental model and effect of parenteral nutrition. Nakagawa K, et al. **JPEN J Parenter Enteral Nutr** 1985 Sep–Oct;9(5):571–82
Stress and ulceration: medico-legal aspects. Shafer N, et al. **Leg Med** 1985;:93–107
Neuroendocrine mechanisms of stress ulceration: focus on thyrotropin-releasing hormone (TRH). Hernandez DE. **Life Sci** 1986 Jul 28;39(4):279–96 (161 ref.)
Systemic stress, magnesium status and cardiovascular damage. Classen HG. **Magnesium** 1986;5(3–4):105–10 (25 ref.)
Stress ulcers—prevention of gastrointestinal bleeding in critical care units. Bank S. **Med J Aust** 1985 Feb 4;142 Spec No:S17–20
Hyperthyroidism following surgical stress in previously euthyroid patients. Zaloga GP, et al. **Millit Med** 1986 Mar; 151(3):169–72
Ratios of electroencephalographic and autonomic indexes in a stress situation in patients with different types of depression. Kamenskaya VM, et al. **Neurosci Behav Physiol** 1985 Nov–Dec;15(6):483–7
Stress-related, posttraumatic chronic pain syndrome: criteria for diagnosis, and preliminary report on prevalence. Muse M. **Pain** 1985 Nov;23(3):295–300
Methylphenidate effects on activity-stress gastric lesions and regional brain noradrenaline metabolism in rats. Glavin GB. **Pharmacol Biochem Behav** 1985 Sep;23(3):379–83
Activity stress effects on voluntary ethanol consumption, mortality and ulcer development in rats. Rockman GE, et al. **Pharmacol Biochem Behav** 1986 Apr;24(4):869–73
Influence of maturation on activity-stress related pathology in the rat colon. Andrianopoulos G, et al. **Physiol Behav** 1986;36(6):1105–10
Early weaning predisposes rats to exacerbated activity-stress ulcer formation. Glavin GB, et al. **Physiol Behav** 1985 Jun; 34(6):907–9
Interactions amongst factors which influence severity of gastric ulceration in rats. Murison R, et al. **Physiol Behav** 1986;36(6):1093–7
Some behavioral factors related to the effects of cold-restraint stress in rats: a factor analytic-multiple regression approach. Ossenkopp KP, et al. **Physiol Behav** 1985 Jun;34(6):935–41
Prior stress and susceptibility to stress ulcer. Paré WP. **Physiol Behav** 1986;36(6):1155–9
Stress-induced recovery of fears and phobias. Jacobs WJ,

et al. **Psychol Rev** 1985 Oct;92(4):512–31 (210 ref.)

Stressful life situations and perception of stress in black and Indian duodenal ulcer patients. **Mason JB, et al. S Afr Med J** 1986 Jul 5;70(1):24–6

Open field activity after learning and stress in mice. **Kvist B. Scand J Psychol** 1986;27(1):53–63

Stress ulceration: importance of blood flow and acid–base balance. **Hinder RA. Surg Annu** 1986;18:95–110 (48 ref.)

[Testing glucose tolerance in the early postoperative period and attempts to correct it] **Popov G, et al. Khirurgiia (Sofiia)** 1985;38(6):73–8 **(Bul)**

[Nursing of stress ulcer complicated by massive bleeding after kidney transplantation] **Hu P, et al. Chung Hua Hu Li Tsa Chih** 1985 Oct;20(5):259–61 **(Chi)**

[Experimental study of the relationship between stress ulcer caused by hemorrhagic shock, prostaglandin E levels in the gastric mucosa and disruption of the gastric mucosal barrier] **Wan YL, et al. Chung Hua Wai Ko Tsa Chih** 1984 Dec;22(12):723–7, 781 (Eng. Abstr.) **(Chi)**

[Cytoprotective effect of vegetable oil on stress-induced gastric mucosal damage in rats] **Guo YS, et al. Sheng Li Hsueh Pao** 1985 Apr;37(2):204–8 (Eng. Abstr.) **(Chi)**

[The role of brain 5-hydroxytryptamine in the genesis of stress-induced gastric ulcer in rats] **Yang H, et al. Sheng Li Hsueh Pao** 1985 Oct;37(5):416–24 (Eng. Abstr.) **(Chi)**

[An unusual complication of a stress ulcer] **Marel J, et al. Rozhl Chir** 1986 Feb;65(2):124–9 (Eng. Abstr.) **(Cze)**

[Percutaneous cholecystostomy in so-called post-stress acute cholecystitis] **Langlois P, et al. Presse Med** 1985 Jul 13–20; 14(28):1501–3 (Eng. Abstr.) **(Fre)**

[Fatigue fractures of the obturator frame following hip arthroplasty] **Chevrot A, et al. Rev Rhum Mal Osteoartic** 1986 Feb;53(2):129–32 **(Fre)**

[Effect of sweet almonds on the stress ulcer in rats] **Zittlau E. DTW** 1985 Apr 9;92(4):151–4 (Eng. Abstr.) **(Ger)**

[Prevention of gastroduodenal stress lesions with secretion inhibitors in accident patients needing intensive care: incidence of lesions and adverse effects; consequences] **Barandun J, et al. Schweiz Med Wochenschr** 1985 Jul 20; 115(29):1022–3 (Eng. Abstr.) **(Ger)**

[Stress ulcer: prophylaxis and therapy of upper digestive hemorrhages, clinical study] **Manieri R, et al. Ann Ital Chir** 1985;57(3):223–34 (Eng. Abstr.) **(Ita)**

[Gastrin and stress ulcer. Clinical study] **Manieri R, et al. Ann Ital Chir** 1985;57(3):187–94 (Eng. Abstr.) **(Ita)**

[Effect of anxiolytic drugs on the development and healing process of stress ulcer: application of endoscopic observation] **Yoshimura H, et al. Nippon Yakurigaku Zasshi** 1986 May;87(5):583–97 (Eng. Abstr.) **(Jpn)**

[Disorders of the lower extremities in the overloading syndrome of the lower segment of the spine in truck drivers] **Hagner W. Wiad Lek** 1986 Mar 1;39(5):312–8 (Eng. Abstr.) **(Pol)**

[Effect of acoustic stress on the reproductive system of man and animals (review of the literature)] **Gamaleia AA. Gig Tr Prof Zabol** 1985 Sep;(9):32–5 (81 ref.) **(Rus)**

[Perforation of duodenal stress ulcers under the extreme conditions of a high-altitude climb] **Lutsevich EV, et al. Khirurgiia (Mosk)** 1985 Oct;(10):44–6 (Eng. Abstr.) **(Rus)**

[Post-traumatic gastroduodenal ulceration] **Djurović V, et al. Srp Arh Celok Lek** 1985 Nov–Dec;113(11–12):991–6 (Eng. Abstr.) **(Scc)**

[The significance of proximal selective vagotomy in the prevention of gastric stress ulcers] **Černý J, et al. Rozhl Chir** 1986 Mar;65(3):158–63 (Eng. Abstr.) **(Slo)**

DIAGNOSIS

Biological markers in psychiatry. **Hoes MJ. Acta Psychiatr Belg** 1986 May–Jun;86(3):220–41 (83 ref.)

The effect of stress on proton relaxation times (T1 and T2) of rat liver. **Chandra R, et al. Invest Radiol** 1986 Aug; 21(8):652–3

DRUG THERAPY

The effect of nicotinamide on nonesterified fatty acids in the brain structures during painful stress. **Sklenovský A, et al. Acta Univ Palacki Olomuc Fac Med** 1984;107:71–7

The relationship of cimetidine to 5-hydroxytryptamine tissue levels in stress ulceration in the rat. **Pridjian AK, et al. Am Surg** 1983 Dec;49(12):642–4

Infusion of a monoamine oxidase inhibitor into the locus coeruleus can prevent stress-induced behavioral depression. **Simson PG, et al. Biol Psychiatry** 1986 Jul; 21(8–9):724–34

Effects of acute benzodiazepine administration on growth hormone, prolactin and cortisol release after moderate insulin-induced hypoglycemia in normal women. **Ambrosi F, et al. Psychopharmacology (Berlin)** 1986;88(2):187–9

[Pharmacological studies on Cistanchis Herba. I. Effects of the constituents of Cistanchis Herba on sex and learning behavior in chronic stressed mice (1)] **Sato T, et al. Yakugaku Zasshi** 1985 Dec;105(12):1131–44 (Eng. Abstr.) **(Jpn)**

[Effect of dalargin on the content of endorphins, leucine-enkephalin ACTH and corticosterone of the blood of stressed rats] **Bobkov AI, et al. Biull Eksp Biol Med** 1985 Dec;100(12):715–7 (Eng. Abstr.) **(Rus)**

[Mechanism of the antistressor effect of D-Ala(2)-Leu(5)-Arg(6)-enkephalin] **Lishmanov IuB, et al. Biull Eksp Biol Med** 1985 Sep;100(9):268–70 (Eng. Abstr.) **(Rus)**

[Effect of enkephalins on morphologic and hormonal manifestations of the stress reaction] **Lishmanov IuB, et al. Patol Fiziol Eksp Ter** 1985 Sep–Oct;(5):14–7 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Activities of cardiac and hepatic pyruvate dehydrogenase complex are decreased after surgical stress. **Schofield PS, et al. Biochem Int** 1986 Feb;12(2):189–97

The effects of stress and injury on the activity of phosphoenolpyruvate carboxykinase in the liver of the rat. **Rose JG, et al. Biochem J** 1986 Jan 1;233(1):239–44

Effects of stress on methyltransferase synthesis: an important DNA repair enzyme. **Glaser R, et al. Health Psychol** 1985; 4(5):403–12

Changes of total acetylcholine content and the activity of related enzymes in SART (repeated cold)-stressed rat brain and duodenum. **Kita T, et al. Jpn J Pharmacol** 1986 Jan; 40(1):174–7

The effect of age on the induction of tyrosine aminotransferase and tryptophan oxygenase genes by physiological stress. **Wellinger R, et al. Mech Ageing Dev** 1986 Apr;34(2):203–17

ETIOLOGY

Respirator wearer's strain: a complex problem. **Louhevaara V. Am J Ind Med** 1986;10(1):3–6

Profile of gastric stress ulceration following acute cervical cord injury: an animal model. **MacLellan DG, et al. Aust NZ J Surg** 1986 Jun;56(6):499–504

Dietary habits and blood chemistry levels of the stress-prone individual: the hot reactor. **McKinney ME, et al. Compr Ther** 1985 Aug;11(8):21–8

Adrenocortical and behavioral responses to limb restraint in human neonates. **Malone SM, et al. Dev Psychobiol** 1985 Sep;18(5):435–46

Prediction of strain for intermittent heat exposures. **Mairiaux P, et al. Ergonomics** 1986 Jul;29(7):913–23

How stressful is phototherapy to infants? **Abend M, et al. Isr J Med Sci** 1985 Nov;21(11):926–7

Magnetostatic field effect: stress syndrome pattern and functional relation with intensity. **Laforge H, et al. J Psychol** 1986 May;120(3):299–304

The psychophysiologic study of stress in military populations. **Balson PM, et al. Milit Med** 1986 Mar;151(3):144–53

Stress induced by three procedures of deprivation of paradoxical sleep. **Coenen AM, et al. Physiol Behav** 1985 Oct;35(4):501–4

[Microclimate and duration of work tolerance in hothouse for cultivation of tropical plants] **Terzi R, et al. G Ital Med Lav** 1983 Nov;5(6):255–8 (Eng. Abstr.) **(Ita)**

[Demanding work, today] **Vittadini G, et al. G Ital Med Lav** 1985 Jul;7(4):115–7 (Eng. Abstr.) **(Ita)**

[Effect of kallikrein on the development of the general adaptation syndrome] **Kolenda IuV, et al. Patol Fiziol Eksp Ter** 1985 Jul–Aug;(4):52–4 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Genetic modulations of stress-induced analgesia in mice. **Jacob JJ, et al. Ann NY Acad Sci** 1986;467:104–15

Twin similarity in cardiovascular stress response. **Carmelli D, et al. Health Psychol** 1985;4(5):413–23

Genetic-dependent alterations in adrenal stress response and adrenocortical cell function of the domestic fowl (Gallus domesticus). **Carsia RV, et al. Proc Soc Exp Biol Med** 1986 Oct;183(1):99–105

[Study of the hereditary differences in the cyclic nucleotide content of the blood serum in mice after exposure to stress and administration of phenazepam] **Seredinin SB, et al. Biull Eksp Biol Med** 1985 Nov;100(11):586–8 (Eng. Abstr.) **(Rus)**

[Interaction of genetic and environmental components in the determination of tryptophan hydroxylase activity in the mouse brain in stress] **Kulikov AV, et al. Genetika** 1985 Oct;21(10):1680–4 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Suppression of natural killer cell activity by surgical stress in cancer patients and the underlying mechanisms. **Yoshihara H, et al. Acta Med Okayama** 1986 Apr; 40(2):113–9

Influence of anatomic localization and extent of surgical trauma on immune responses in mice. **Gryglewski A, et al. Arch Immunol Ther Exp (Warsz)** 1985;33(3):489–92

Effects of footshock stress and morphine on natural killer lymphocytes in rats: studies of tolerance and cross-tolerance. **Shavit Y, et al. Brain Res** 1986 May 7; 372(2):382–5

The effects of stress in normal and adrenalectomized mice. **Rocha B. Eur J Immunol** 1985 Nov;15(11):1131–5

Assessment of immunological responsiveness in members of International Biomedical Expedition to the Antarctic 1980/81. **Roberts-Thomson PJ, et al. J Clin Lab Immunol** 1985 Jul;17(3):115–8

Total leukocytes, T cell subpopulation and natural killer (NK) cell activity in rats exposed to restraint stress. **Steplewski Z, et al. Life Sci** 1986 Jun 30;38(26):2419–27

Stress effects on immunity. **Schleifer SJ, et al. Psychiatr J Univ Ottawa** 1985 Sep;10(3):125–31 (52 ref.)

[Stress and immunity: the importance of multidisciplinary research] **van Rood YR, et al. Ned Tijdschr Geneeskd** 1986 Mar 8;130(10):432–4 **(Dut)**

[Stress-induced changes in the spleen and thymus of the mouse after skin transplantation] **Lehmann M, et al. Z Exp Chir Transplant Kunstliche Organe** 1986;19(3):172–80 (Eng. Abstr.) **(Ger)**

[Changes in immunity during stress] **Surkina ID, et al. Fiziol Cheloveka** 1986 May–Jun;12(3):460–4 **(Rus)**

[Stress in the mechanisms of development of secondary immunodeficiency states] **Evseev VA, et al. Vestn Akad Med Nauk SSSR** 1985;(8):18–23 (Eng. Abstr.) **(Rus)**

[Stress and allergy] **Gushchin IS. Vestn Akad Med Nauk SSSR** 1985;(8):63–6 (Eng. Abstr.) **(Rus)**

[Physiological mechanisms of the effect of stress on the immune system] **Korneva EA, et al. Vestn Akad Med Nauk SSSR** 1985;(8):44–50 (Eng. Abstr.) **(Rus)**

[Stress and immunity] **Kryzhanovskiĭ GN. Vestn Akad Med Nauk SSSR** 1985;(8):3–12 (66 ref.) **(Rus)**

[Effect of surgical stress on the status of cellular immunity] **Zimin IuI, et al. Vestn Akad Med Nauk SSSR** 1985;(8):30–4 (Eng. Abstr.) **(Rus)**

[Thymosin restoration of the interferon-synthesizing capacity of the splenocytes in mice undergoing stress exposure] **Nosik NN, et al. Vopr Virusol** 1985 Nov–Dec;30(6):729–32 (Eng. Abstr.) **(Rus)**

METABOLISM

Catecholamines in amniotic fluid as indicators of intrapartum fetal stress. **Yashiro Y, et al. Acta Med Okayama** 1985 Aug; 39(4):253–63

Hemodynamic determinants of thallium-201 lung uptake in patients during atrial pacing stress. **Brown KA, et al. Am Heart J** 1986 Jan;111(1):103–7

Myocardial kinetics of thallium-201 after stress in normal and perfusion-reduced canine myocardium. **Okada RD. Am J Cardiol** 1985 Dec 1;56(15):969–73

Mucosubstance histochemistry in control and acid-stressed epidermis of brown bullhead catfish, Ictalurus nebulosus (LeSueur). **Zuchelkowski EM, et al. Anat Rec** 1985 Aug; 212(4):327–35, 396–8

The metabolic and ventilatory response to the infusion of stress hormones. **Weissman C, et al. Ann Surg** 1986 Apr; 203(4):408–12

Heat shock stress initiates simultaneous transcriptional and translational changes in the dog heart. **Lai YK, et al. Biochem Biophys Res Commun** 1986 Jan 14;134(1):166–71

Brain serotonin and catecholamine responses to repeated stress in rats. **De Souza EB, et al. Brain Res** 1986 Mar 5;367(1–2):77–86

Rapid, stress-induced modification of the benzodiazepine receptor-coupled chloride ionophore. **Havoundjian H, et al. Brain Res** 1986 Jun 11;375(2):401–6

Sodium-dependent, high-affinity choline uptake in hippocampus and frontal cortex of the rat affected by acute restraint stress. **Lai H, et al. Brain Res** 1986 May 7; 372(2):366–9

Conformational changes of opioid receptor induced by the electric footshock. **Nabeshima T, et al. Brain Res** 1985 Sep 16;343(1):36–43

Distribution and stress-induced increase of glutamate and aspartate levels in discrete brain nuclei of rats. **Palkovits M, et al. Brain Res** 1986 May 14;373(1–2):252–7

Clonidine modulates locus coeruleus metabolic hyperactivity induced by stress in behaving rats. **Quintin L, et al. Brain Res** 1986 Jan 8;362(2):366–9

Effect of chronic cold exposure on tyrosine hydroxylase mRNA in rat adrenal gland. **Stachowiak M, et al. Brain Res** 1985 Dec 16;359(1–2):356–9

The influence of capsaicin sensitive neurons on stress-induced release of ACTH. **Lembeck F, et al. Brain Res Bull** 1986 Apr;16(4):541–3

Effects of acute stress, (1–24)ACTH administration and changes in superfusion temperature and flow rate on the in vitro secretion of glucocorticosteroids and aldosterone from the Mongolian gerbil (Meriones unguiculatus) adrenal gland. **Fenske M. Comp Biochem Physiol [A]** 1985; 82(4):951–8

Glutamine infusion supports plasma amino acid metabolism during simulated stress. **Johnson DJ, et al. Curr Surg** 1986 Jan–Feb;43(1):31–4

Brain corticotropin-releasing factor (CRF) and catecholamine responses in acutely stressed rats. **Suemaru S, et al. Endocrinol Jpn** 1985 Oct;32(5):709–18

Maturation of the prolactin and proopiomelanocortin-derived peptide responses to ether stress and morphine: neurochemical analysis. **Johnston CA, et al. Endocrinology** 1986 Feb;118(2):797–804

Stress-induced secretion of alpha-melanocyte-stimulating hormone and its physiological role in modulating the secretion of prolactin and luteinizing hormone in the female rat. **Khorram O, et al. Endocrinology** 1985 Dec; 117(6):2483–9

Involvement of corticotropin-releasing factor and somatostatin in stress-induced inhibition of growth hormone secretion in the rat. Rivier C, et al. **Endocrinology** 1985 Dec;117(6):2478–82

Baclofen, a GABA derivative, inhibits stress-induced prolactin release in the rat. D'Eramo JL, et al. **Eur J Pharmacol** 1986 Jan 14;120(1):81–5

Thermal and metabolic responses of repetitively immobilized rats to acute heat exposure. Kuroshima A, et al. **Hokkaido Igaku Zasshi** 1986 May;61(3):463–5

Sex hormones and stress in the human male. Christiansen K, et al. **Horm Behav** 1985 Dec;19(4):426–40

Effect of prolonged physical work of submaximal and extremal power on mass transfer and utilization of oxygen. Udovichenko YuK, et al. **Hum Physiol** 1985 Nov–Dec; 11(6):394–400

Alterations in biodistribution of [3H]Ro 15–1788 in mice by acute stress: possible changes in in vivo binding availability of brain benzodiazepine receptor. Inoue O, et al. **Int J Nucl Med Biol** 1985;12(5):369–74

Cellular growth and metabolic adaptations to nutrient stress environments in tumor microregions. Sutherland R, et al. **Int J Radiat Oncol Biol Phys** 1986 Apr;12(4):611–5

Investigation of adenylate energy charge, phosphorylation potential, and ATP concentration in cells stressed with starvation and heat. Calderwood SK, et al. **J Cell Physiol** 1985 Aug;124(2):261–8

Stress induces an increased hexose uptake in cultured cells. Warren AP, et al. **J Cell Physiol** 1986 Sep;128(3):383–8

Influence of psychosomatic stress in pregnant guinea-pigs on fetal lipid metabolism. Dauprat P, et al. **J Dev Physiol** 1985 Oct;7(5):339–45

Platelet content of serotonin and response to stress. Palermo A, et al. **J Hypertension [Suppl]** 1986 Apr;4(1):S43–5

Molecular adaptations in catecholamine biosynthesis induced by cold stress and sympathectomy. Stachowiak MK, et al. **J Neurosci Res** 1986;16(1):13–24

Pharmacological studies on stress-induced increase in frontal cortical dopamine metabolism in the rat. Claustre Y, et al. **J Pharmacol Exp Ther** 1986 Aug;238(2):693–700

Acute, stress-induced changes in the benzodiazepine/gamma-aminobutyric acid receptor complex are confined to the chloride ionophore. Havoundjian H, et al. **J Pharmacol Exp Ther** 1986 Jun; 237(3):787–93

Effect of repeated restraint stress, desmethylimipramine or adrenocorticotropin on the alpha and beta adrenergic components of the cyclic AMP response to norepinephrine in rat brain slices. Stone EA, et al. **J Pharmacol Exp Ther** 1986 Jun;237(3):702–7

Accumulation of adrenaline in sympathetic nerve endings in various organs of the rat exposed to swimming stress. Sudo A. **Jpn J Pharmacol** 1985 Aug;38(4):367–74

Attenuating effect of diazepam on stress-induced increases in noradrenaline turnover in specific brain regions of rats: antagonism by Ro 15–1788. Ida Y, et al. **Life Sci** 1985 Dec 30;37(26):2491–8

Brain histamine response to stress in 12 month old rats. Mazurkiewicz-Kwilecki IM, et al. **Life Sci** 1986 Jun 23; 38(25):2339–45

Stress-induced synthesis of melatonin: possible involvement of the endogenous monoamine oxidase inhibitor (tribulin). Oxenkrug GF, et al. **Life Sci** 1985 Nov 4;37(18):1743–6

A model for later-life effects of perinatal drug exposure: maternal hormone mediation. Angelucci L, et al. **Neurobehav Toxicol Teratol** 1985 Sep–Oct;7(5):511–7

Acute restraint stress decreases dopamine synthesis and turnover in the median eminence: a model for the study of the inhibitory neuronal influences on tuberoinfundibular dopaminergic neurons. Demarest KT, et al. **Neuroendocrinology** 1985 Nov;41(5):437–44

Acute restraint stress decreases tuberoinfundibular dopaminergic neuronal activity: evidence for a differential response in male versus female rats. Demarest KT, et al. **Neuroendocrinology** 1985 Dec;41(6):504–10

Stress-induced alterations in the levels of messenger RNA coding for proopiomelanocortin and prolactin in rat pituitary. Höllt V, et al. **Neuroendocrinology** 1986; 43(3):277–82

Adrenal release of catecholamines and Met-enkephalin before and after stress as measured by a novel in vivo dialysis method in the rat. Jarry H, et al. **Neurosci Lett** 1985 Oct 10;60(3):273–8

Foot shock induces time and region specific adrenergic receptor changes in rat brain. Cohen RM, et al. **Pharmacol Biochem Behav** 1986 Jun;24(6):1587–92

Inescapable shock reduces [3H]Ro 5-4864 binding to "peripheral-type" benzodiazepine receptors in the rat. Drugan RC, et al. **Pharmacol Biochem Behav** 1986 Jun; 24(6):1673–7

Interaction of the effects of glucose and stress hormones on the activity of key enzymes of liver glycogen metabolism in rats. Viskupič E, et al. **Physiol Bohemoslov** 1985; 34(6):518–26

Alteration of adenyl dinucleotide metabolism by environmental stress. Baker JC, et al. **Proc Natl Acad Sci USA** 1986 Apr;83(8):2350–2

Effects of intravenous and intraventricular injection of antisera directed against corticotropin-releasing factor on the secretion of anterior pituitary hormones. Ono N, et al. **Proc Natl Acad Sci USA** 1985 Nov;82(22):7787–90

[Rat brain leucine-enkephalin contents under four stressful conditions] Wang FS, et al. **Sheng Li Hsueh Pao** 1985 Aug; 37(4):374–6 (Eng. Abstr.) (Chi)

[General anesthesia in relation to stress and shock. 2. Metabolic changes in saccharides, proteins and adenine nucleotides during surgical stress and shock in general and their control by the metabolic action of anesthetics. Prognostic criteria of shock] Bonaventura J, et al. **Rozhl Chir** 1986 Jan;65(1):10–6 (Eng. Abstr.) (Cze)

[Nutrition of intensive care patients. Metabolic aspects in the acute phase] de Gialluly E, et al. **Ann Gastroenterol Hepatol (Paris)** 1985 Oct–Nov; 21(5):307–10 (Fre)

[Cortisol levels in reduced stress anesthesia] Egerer K, et al. **Z Arztl Fortbild (Jena)** 1985;79(11):475–6 (Ger)

[Effect of subdural administration of morphine for analgesic purposes on serum cortisol, prolactin and urinary catecholamines during surgical stress] Seveso G, et al. **Minerva Anestesiol** 1985 Mar;51(3):97–102 (Eng. Abstr.) (Ita)

[Changes of whole body protein turnover due to the severity of surgical stress] Yamamori H, et al. **Nippon Geka Gakkai Zasshi** 1985 Nov;86(11):1500–4 (Eng. Abstr.) (Jpn)

[Effect of an electric field of industrial frequency on selected biochemical parameters in the guinea pig liver] Kula B. **Med Pr** 1985;36(6):354–62 (Eng. Abstr.) (Pol)

[Metabolic changes produced by surgical stress and postoperative liver failure in liver disease patients] Fluture V, et al. **Rev Chir [Chir]** 1986 May–Jun;35(3):221–32 (Eng. Abstr.) (Rum)

[Activation of lipid peroxidation during migration stress in the hump-backed salmon: possible mechanism of adaptation] Kreps EM, et al. **Dokl Akad Nauk SSSR** 1986; 286(4):1009–12 (Rus)

[Effect of a stressing exposure on the content of serotonin, its precursors and histamine in the hypothalamic tissue of inbred rats] Shchukin PI, et al. **Izv Akad Nauk SSSR [Biol]** 1986 May–Jun;(3):389–99 (Eng. Abstr.) (Rus)

[Metabolic aspects of the stress problem in space flight] Tigranian RA. **Probl Kosm Biol** 1985;52:1–222 (Rus)

[Oxidation of [1-14C]palmitoyl-CoA, [1-14C]acetyl-CoA and [2-14C]pyruvate in rabbit adrenal, liver and heart mitochondria under normal conditions and in acute stress] Mandrik KA, et al. **Ukr Biokhim Zh** 1986 Jul–Aug; 58(4):79–82 (Eng. Abstr.) (Rus)

[Effect of stress, infarction and adaptation to brief exposure to stress on opioid peptide levels in the brain] Meerson FZ, et al. **Vopr Med Khim** 1985 Sep–Oct;31(5):32–4 (Eng. Abstr.) (Rus)

[Secretion of growth hormone, prolactin, ACTH and testosterone after blockade of opiate receptors during stress in humans and rats] Vigaš M, et al. **Bratisl Lek Listy** 1986 Jul;86(1):3–13 (Eng. Abstr.) (Slo)

[Changes in zinc and copper levels of the blood and organs after chronic stress immobilization in rats of various ages] Kadrabová J, et al. **Cas Lek Cesk** 1986 Jun 6;125(23):708–11 (Eng. Abstr.) (Slo)

OCCURRENCE

Health and stress of seafarers. Elo AL. **Scand J Work Environ Health** 1985 Dec;11(6):427–32

PATHOLOGY

The mammalian stress response and the cytoskeleton: alterations in intermediate filaments. Welch WJ, et al. **Ann NY Acad Sci** 1985;455:57–67

Regulation of mitochondrial compartment volumes in rat adrenal cortex by ether stress. Stevens VL, et al. **Arch Biochem Biophys** 1985 Oct;242(1):324–7

Neuronal damage in the rat retina after chronic stress. O'Steen WK, et al. **Brain Res** 1985 Oct 7;344(2):231–9

Effects of prenatal stress on sexually dimorphic asymmetries in the cerebral cortex of the male rat. Fleming DE, et al. **Brain Res Bull** 1986 Mar;16(3):395–8

Morphological study of the mammalian stress response: characterization of changes in cytoplasmic organelles, cytoskeleton, and nucleoli, and appearance of intranuclear actin filaments in rat fibroblasts after heat-shock treatment. Welch WJ, et al. **J Cell Biol** 1985 Oct;101(4):1198–211

Oxidant stress and hepatic necrosis in rats treated with diquat. Smith CV, et al. **J Pharmacol Exp Ther** 1985 Oct; 235(1):172–7

The effect of hyperthermia on the ultrastructure of the gigantocellular reticular region in the rabbit. Zareba-Kowalska A, et al. **Neuropatol Pol** 1985; 23(3):335–52

Effect of ascorbic acid on pituitary weight during stress. Richardson JH. **Psychol Rep** 1986 Feb;58(1):173–4

[Reactions of the supraoptic nucleus and paraventricular hypothalamic nucleus of the rabbit to overheating and cooling of the body] Gajkowska B. **Neuropatol Pol** 1985; 23(3):353–74 (Eng. Abstr.) (Pol)

[State of the endothelium of the aorta during chronic stress] Gansburgskil AN. **Arkh Anat Gistol Embriol** 1985 Jun; 88(6):38–44 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Effects of hyperventilation and hypoventilation on stress-induced intestinal vasoconstriction. Winsö O, et al. **Acta Anaesthesiol Scand** 1985 Oct;29(7):726–32

Changes in circadian rhythm and suppression of the plasma cortisol level after prolonged stress in the sheep. Przekop F, et al. **Acta Endocrinol (Copenh)** 1985 Dec;110(4):540–5

Effects of morphine on hypothalamic corticotropin-releasing factor (CRF), norepinephrine and dopamine in non-stressed and stressed rats. Suemaru S, et al. **Acta Med Okayama** 1985 Dec;39(6):463–70

The hypothalamic and neurohypophysial vasopressor and oxytocic content as influenced by alpha-adrenergic blockade in stressed rats. Guzek JW, et al. **Acta Physiol Pol** 1985 May–Jun;36(3):193–200

Effect of some drugs, experimental stress and estrus on unstable and fixed conditioned alimentary motor reflexes in cats. Part III. Medek A. **Acta Univ Palacki Olomuc Fac Med** 1984;107:79–91

Reflection of changes in level of excitability of the central nervous system under stress in some physiological functions of an organism. Review. Petřek J. **Acta Univ Palacki Olomuc Fac Med** 1982;103:29–41

Glucocorticoid physiology, pharmacology and stress. Munck A, et al. **Adv Exp Med Biol** 1986;196:81–96 (18 ref.)

Pituitary-adrenal responses to morphine and footshock stress are enhanced following prenatal alcohol exposure. Nelson LR, et al. **Alcoholism (NY)** 1986 Aug;10(4):397–402

Physiological strain in work with gas protective clothing at low ambient temperature. Smolander J, et al. **Am Ind Hyg Assoc J** 1985 Dec;46(12):720–3

Reduced tolerance for heat stress environments caused by protective lotions. Spaul WA, et al. **Am Ind Hyg Assoc J** 1985 Aug;46(8):460–2

Prenatal stress and increased fluctuating asymmetry in the parietal bones of neonatal rats. Mooney MP, et al. **Am J Phys Anthropol** 1985 Sep;68(1):131–4

Changes in cardiac output and vascular resistance during behavioral stress in the rat. Hubbard JW, et al. **Am J Physiol** 1986 Jul;251(1 Pt 2):R82–90

Renal nerve activity and renal function during environmental stress in DOCA-NaCl rats. Koepke JP, et al. **Am J Physiol** 1986 Aug;251(2 Pt 2):R289–94

Regional blood flow in newborn piglets during environmental cold stress. Mayfield SR, et al. **Am J Physiol** 1986 Sep;251(3 Pt 1):G308–13

Attenuation of hindlimb vasodilation in heat-stressed baboons during dehydration. Thornton RM, et al. **Am J Physiol** 1986 Jan;250(1 Pt 2):R30–5

Effects of bolus injection of epinephrine and norepinephrine on systolic time intervals in stress-resistant and stress-susceptible pigs. Malo D, et al. **Am J Vet Res** 1986 Jul;47(7):1565–8

Blunting of stress responses in the pulmonary circulation of infants by fentanyl. Hickey PR, et al. **Anesth Analg** 1985 Dec;64(12):1137–42

Stress, relaxation and saliva: relationship to dental caries and its prevention, with a literature review. Morse DR, et al. **Ann Dent** 1983 Winter;42(2):47–54 (41 ref.)

Stress-induced analgesia. **Ann NY Acad Sci** 1986;467:1–449

The many possible roles of opioids and related peptides in stress-induced analgesia. Akil H, et al. **Ann NY Acad Sci** 1986;467:140–53 (42 ref.)

Catalepsy induced by body pinch: relation to stress-induced analgesia. Amir S. **Ann NY Acad Sci** 1986;467:226–37 (30 ref.)

Behavioral and neurochemical consequences associated with stressors. Anisman H, et al. **Ann NY Acad Sci** 1986; 467:205–25 (67 ref.)

Neuropharmacological and neuroendocrine substrates of stress-induced analgesia. Bodnar RJ. **Ann NY Acad Sci** 1986;467:345–60 (70 ref.)

Altered pain and visual sensitivity in humans: the effects of acute and chronic stress. Clark WC, et al. **Ann NY Acad Sci** 1986;467:116–29 (20 ref.)

Characteristics of analgesias induced by brief or prolonged stress. Curzon G, et al. **Ann NY Acad Sci** 1986;467:93–103 (42 ref.)

Conditioned fear-induced opiate analgesia: a competing motivational state theory of stress analgesia. Fanselow MS. **Ann NY Acad Sci** 1986;467:40–54 (32 ref.)

Stress-induced analgesia: its effects on performance in learning paradigms. Galina ZH, et al. **Ann NY Acad Sci** 1986;467:238–48 (18 ref.)

Philosophical and practical issues in animal research involving pain and stress. King FA. **Ann NY Acad Sci** 1986; 467:405–9

Alterations in other sensory modalities accompanying stress analgesia as measured by startle reflex modification. Leitner DS. **Ann NY Acad Sci** 1986;467:82–92

Multiple neurochemical and hormonal mechanisms of stress-induced analgesia. Lewis JW. **Ann NY Acad Sci** 1986;467:194–204 (70 ref.)

Stressor controllability and stress-induced analgesia. Maier SF. **Ann NY Acad Sci** 1986;467:55–72 (37 ref.)

Involvement of humoral factors in the mechanism of stress-induced analgesia in mice. Marek P, et al. **Ann NY Acad Sci** 1986;467:361–70 (31 ref.)

Analgesia following defeat in an aggressive encounter: development of tolerance and changes in opioid receptors. Miczek KA, et al. **Ann NY Acad Sci** 1986;467:14–29 (32 ref.)

The mortality and humaneness of animal research on stress and pain. Miller NE. **Ann NY Acad Sci** 1986;467:402–4

The role of sinoaortic and cardiopulmonary baroreceptor reflex arcs in nociception and stress-induced analgesia.

Randich A, et al. **Ann NY Acad Sci** 1986;467:385–401 (31 ref.)

Relation of stress-induced analgesia to stimulation-produced analgesia. Terman GW, et al. **Ann NY Acad Sci** 1986; 467:300–8 (62 ref.)

Hyperalgesia induced by emotional stress in the rat: an experimental animal model of human anxiogenic hyperalgesia. Vidal C, et al. **Ann NY Acad Sci** 1986; 467:73–81 (28 ref.)

Somatovegetative changes in stress-induced analgesia in man: an electrophysiological and pharmacological study. Willer JC, et al. **Ann NY Acad Sci** 1986;467:256–72

Influence of heat stress on experimental Trypanosoma brucei brucei infection in mice. Govaerts M, et al. **Ann Soc Belg Med Trop** 1986;66(2):161–6

Growing old. Increased surgical risks in the elderly. Walker ML. **AORN J** 1986 Apr;43(4):887–90

Effects, in the rat, of various stressing procedures on the jaw-opening reflex induced by tooth-pulp stimulation. Vassel A, et al. **Arch Oral Biol** 1986;31(3):159–63

Influence of temperature, social, and dietary stress on development and stability of protective microflora in chickens against S. typhimurium. Weinack OM, et al. **Avian Dis** 1985 Oct–Dec;29(4):1177–83

Systolic time intervals in pilots and non-pilots during 70 degree head-up tilt. Dikshit MB, et al. **Aviat Space Environ Med** 1986 Apr;57(4):332–5

The effect of skill on performance under an environmental stressor. Hancock PA. **Aviat Space Environ Med** 1986 Jan; 57(1):59–64 (43 ref.)

Effects of various hippocampal lesions on monkey plasma cortisol levels in two experimental conditions. Regestein QR, et al. **Behav Neural Biol** 1986 May;45(3):329–41

Cold water stress abolishes hyperactivity produced by cortical suction lesions without altering noradrenergic depletion. Moran TH, et al. **Behav Neurosci** 1986 Jun; 100(3):422–6

Influence of stress on morphine-induced hyperthermia: relevance to drug conditioning and tolerance development. Zelman DC, et al. **Behav Neurosci** 1985 Feb;99(1):122–44

A model of the eustress system for health/illness. Milsum JH. **Behav Sci** 1985 Oct;30(4):179–86

Stress induces supersensitivity of a cholinergic system in rats. Dilsaver SC, et al. **Biol Psychiatry** 1986 Sep;21(11):1093–6

Stress-induced immobility in rats with cholinergic supersensitivity. Overstreet DH, et al. **Biol Psychiatry** 1986 Jun;21(7):657–64

Psychophysiological response specificities: a replication over a 12-month period. Foerster F. **Biol Psychol** 1985 Nov; 21(3):169–82

Transcutaneous partial oxygen tension and skin blood flow monitoring: continuous, noninvasive measures of cardiorespiratory change. Greenlee MW, et al. **Biol Psychol** 1985 Jun;20(4):285–94

Characterization of opioid dependence of isolated ileum of morphine dependent and of chronically stressed Wistar-Kyoto (WKY)-rats. Nieber K, et al. **Biomed Biochim Acta** 1985;44(5):773–8

Relation of substance P to catecholamine metabolism and stress. Oehme P. **Biomed Biochim Acta** 1985;44(10):1401–9 (36 ref.)

Emotional reactions in stress conditions: the effects of boredom and mental overload. Farné M, et al. **Boll Soc Ital Biol Sper** 1986 Apr 30;62(4):553–9

Influence of isoflurane on renal and intestinal vascular responses to stress. Ostman M, et al. **Br J Anaesth** 1986 Jun;58(6):630–8

Physiological reactions of the gastrointestinal tract to stress. Thompson DG. **Br J Surg** 1985 Sep;72 Suppl:S3–4 (13 ref.)

Relationships between sexual activity, plasma testosterone, and the volume of the sexually dimorphic nucleus of the preoptic area in prenatally stressed and non-stressed rats. Anderson RH, et al. **Brain Res** 1986 Apr 2;370(1):1–10

Stress-induced changes in the analgesic and thermic effects of opioid peptides in the rat. Appelbaum BD, et al. **Brain Res** 1986 Jul 9;377(2):330–6

Stress-induced changes in the analgesic and thermic effects of morphine administered centrally. Appelbaum BD, et al. **Brain Res** 1985 Dec 9;358(1–2):303–8

Stress enhances electrical synapse formation between regenerating neurons. Bulloch AG. **Brain Res** 1985 Sep 23;343(2):370–3

Stress-induced activation of the hippocampal cholinergic system and the pituitary-adrenocortical axis. Gilad GM, et al. **Brain Res** 1985 Nov 18;347(2):404–8

Sensitization of norepinephrine activity following acute and chronic footshock. Irwin J, et al. **Brain Res** 1986 Jul 30; 379(1):98–103

Antagonism of footshock stress-induced inhibition of intracranial self-stimulation by naloxone or methamphetamine. Kamata K, et al. **Brain Res** 1986 Apr 16;371(1):197–200

Inhibitory influences of FMRFamide and PLG on stress-induced opioid analgesia and activity. Kavaliers M, et al. **Brain Res** 1986 May 7;372(2):370–4

Analgesic effects of mu antagonists after naloxone non-reversible stress-induced analgesia. Sacerdote P, et al. **Brain Res** 1985 Dec 16;359(1–2):34–8

Maturation of the adrenocortical stress response: neuroendocrine control mechanisms and the stress hyporesponsive period. Sapolsky RM, et al. **Brain Res** 1986 Mar;396(1):64–76 (80 ref.)

Two opioid forms of stress analgesia: studies of tolerance and cross-tolerance. Terman GW, et al. **Brain Res** 1986 Mar 12;368(1):101–6

Opioid and non-opioid stress analgesia from cold water swim: importance of stress severity. Terman GW, et al. **Brain Res** 1986 Apr 30;372(1):167–71

Stimulation-produced and stress-induced analgesia: cross-tolerance between opioid forms. Terman GW, et al. **Brain Res** 1985 Dec 23;360(1–2):374–8

Differential effects of scopolamine on 3 forms of stress analgesia. Terman GW, et al. **Brain Res** 1985 Dec 30; 361(1–2):405–7

Stress induced analgesia: its opioid nature depends on the strain of rat but not on the mode of induction. Urca G, et al. **Brain Res** 1985 Sep 23;343(2):216–22

Diazepam reduces stress-induced analgesia in humans. Willer JC, et al. **Brain Res** 1986 Jan 8;362(2):398–402

Vascular smooth muscle transmembrane potentials during hypotensive stress. Lombard JH, et al. **Circ Shock** 1986; 18(2):131–40

The extent of stress-protection after plate osteosynthesis in the human tibia. Terjesen T, et al. **Clin Orthop** 1986 Jun; (207):108–12

Energy metabolism in largemouth bass (Micropterus floridanus salmoides) from stressed and non-stressed environments: adaptations in the secondary stress response. Dehn PF, et al. **Comp Biochem Physiol [A]** 1986;84(3):523–8

Stress by forced swimming in the rat: effects of mianserin and moclobemide on GABAergic-monoaminergic systems in the brain. Cicardo VH, et al. **Comp Biochem Physiol [C]** 1986;83(1):133–5

The stress-pain connection: some historical considerations and new directions. Rosch PJ. **Compr Ther** 1986 Jul; 12(7):3–8

The neuroendocrinology of stress and aging: the glucocorticoid cascade hypothesis. Sapolsky RM, et al. **Endocr Rev** 1986 Aug;7(3):284–301 (198 ref.)

Stress in early ontogenesis and reactivity of hypothalamo-pituitary-adrenal system in adult rats. Naumenko EV, et al. **Endocrinol Exp (Bratisl)** 1985 Sep; 19(3):171–8

Effect of repeated immobilization stress on central and peripheral adrenoceptors in rats. Torda T, et al. **Endocrinol Exp (Bratisl)** 1985 Sep;19(3):157–63

Ontogeny of the stress response in the rat: role of the pituitary and the hypothalamus. Walker CD, et al. **Endocrinology** 1986 Apr;118(4):1445–51

Light stress and the cardiovascular system: the glare pressor test. Belkić K. **Ergonomics** 1986 Apr;29(4):563–8

Effects of different loads and carrying systems on selected biomechanical parameters describing walking gait. Kinoshita H. **Ergonomics** 1985 Sep;28(9):1347–62

Sitting posture: analysis of lumbar stresses with upper limbs supported. Occhipinti E, et al. **Ergonomics** 1985 Sep; 28(9):1333–46

Endocrine response to surgery in children after premedication with midazolam or papaveretum. Lindahl SG, et al. **Eur J Anaesthesiol** 1985 Dec;2(4):369–77

Hormonal and cardiovascular variations during a public lecture. Bolm-Audorff U, et al. **Eur J Appl Physiol** 1986; 54(6):669–74

Laser-Doppler and plethysmographic skin blood flow during exercise and during acute heat stress in the sauna. Smolander J, et al. **Eur J Appl Physiol** 1985;54(4):371–7

Effect of atenolol on car drivers in a prolonged stress situation. Panizza D, et al. **Eur J Clin Pharmacol** 1985;28 Suppl:97–9

Central serotonergic responses and behavioural adaptation to repeated immobilisation: the effect of the corticosterone synthesis inhibitor metyrapone. Kennett GA, et al. **Eur J Pharmacol** 1985 Dec 17;119(3):143–52

Effects of inescapable shock on maze performance as a function of age in mice. Spangler EL, et al. **Exp Aging Res** 1986 Spring;12(1):39–42

Local cerebral blood flow in gently restrained rats: effects of propranolol and diazepam. Lasbennes F, et al. **Exp Brain Res** 1986;63(1):169–72

Stress and local cerebral blood flow: studies on restrained and unrestrained rats. Lasbennes F, et al. **Exp Brain Res** 1986;63(1):163–8

Adrenal function in the Mongolian gerbil (Meriones unguiculatus): influence of confinement stress upon glucocorticosteroid, progesterone, dehydroepiandrosterone, testosterone and androstenedione plasma levels, adrenal content and in-vitro secretion. Fenske M. **Exp Clin Endocrinol** 1986 Jun;87(1):15–25

Renal responses to stressful environmental stimuli. Koepke JP. **Fed Proc** 1985 Oct;44(13):2823–7 (19 ref.)

Stress-induced inhibition of reproduction: evidence of suppressed secretion of LH-RH in an amphibian. Moore FL, et al. **Gen Comp Endocrinol** 1985 Nov;60(2):252–8

Age-related alterations in sympathetic-adrenal medullary responses to stress. McCarty R. **Gerontology** 1986; 32(3):172–83

Changes in left ventricular ejection time based cardiac output in pilots & non-pilots during orthostatic stress. Dikshit MB, et al. **Indian J Med Res** 1986 Mar;83:301–3

Comparative effect of propranolol and labetalol on isometric exercise and cold stress induced increase in arterial blood pressure. Pandhi P, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 May;24(5):249–53

Temporal stability of psychophysiological responding: a comparative analysis of mental and physical stressors. Faulstich ME, et al. **Int J Neurosci** 1986 Aug;30(1–2):65–72

Stress, symmetry, and psoriasis: possible role of neuropeptides. Farber EM, et al. **J Am Acad Dermatol** 1986 Feb;14(2 Pt 1):305–11

Use of dantrolene plus multiple pulses to detect stress-susceptible porcine muscle. Quinlan JG, et al. **J Appl Physiol** 1986 Apr;60(4):1313–20

Subjective stress sensitivity and physiological responses to an aversive auditory stimulus in migraine and control subjects. Rojahn J, et al. **J Behav Med** 1986 Apr;9(2):203–12

Symptom correlates of blood pressure: a replication and reanalysis. Stewart HL, et al. **J Behav Med** 1986 Jun; 9(3):271–89

Cardiovascular responses in type A and type B men to a series of stressors. Ward MM, et al. **J Behav Med** 1986 Feb;9(1):43–9

Adaptation during surgical stress. A reevaluation of the role of glucocorticoids. Udelsman R, et al. **J Clin Invest** 1986 Apr;77(4):1377–81

Effects of stress from electrical dehorning on feed intake, growth, and blood constituents of Holstein heifer calves. Laden SA, et al. **J Dairy Sci** 1985 Nov;68(11):3062–6

Responses of lactating cows to dietary sodium source and quantity and potassium quantity during heat stress. Schneider PL, et al. **J Dairy Sci** 1986 Jan;69(1):99–110

Influence of oestrogen and noradrenergic afferent neurones on the response of LH and oxytocin to immobilization stress. Higuchi T, et al. **J Endocrinol** 1986 Aug; 110(2):245–50

Inhibition of restraint stress by systemic (Asu1,7) eel-calcitonin. Clementi G, et al. **J Endocrinol Invest** 1985 Dec;8(6):543–6

Urea efflux from the Squalus acanthias pup: the effect of stress. Evans DH, et al. **J Exp Biol** 1985 Nov;119:375–9

Stress levels of adrenaline amplify the blood pressure response to sympathetic stimulation. Vincent HH, et al. **J Hypertens** 1986 Apr;4(2):255–60

Alterations in cardiac myosin isoenzymes distribution as an adaptation to chronic environmental heat stress in the rat. Horowitz M, et al. **J Mol Cell Cardiol** 1986 May; 18(5):511–5

Pineal responses to stress. Lynch HJ, et al. **J Neural Transm [Suppl]** 1986;21:461–73

Influence of long-term immobilization stress on regional blood-brain barrier permeability, cerebral blood flow and 5-HT level in conscious normotensive young rats. Sharma HS, et al. **J Neurol Sci** 1986 Jan;72(1):61–76

The effects of stress and relaxation on oral digestion of complex carbohydrates: a case study. Morse DR, et al. **J Oral Med** 1985 Oct–Dec;40(4):185–90

Protective effect of GABA and sodium valproate on stress-induced gastric lesions in guinea-pigs. Miñano FJ, et al. **J Pharm Pharmacol** 1985 Sep;37(9):675–7

The role of sensory fibres in the rat splanchnic nerve in the regulation of adrenal medullary secretion during stress. Khalil Z, et al. **J Physiol (Lond)** 1986 Jan;370:201–15

Cardiovascular response as a function of predisposition, coping behavior and stimulus type. Linden W. **J Psychosom Res** 1985;29(6):611–20

Stress, the colon, and diverticulosis [letter] Daves ML. **JAMA** 1986 Jun 27;255(24):3366

Changes of tissue blood flow in mice loaded with SART (repeated cold) stress or restraint and water immersion stress and the effect of administered neurotropin. Hata T, et al. **Jpn J Pharmacol** 1986 May;41(1):69–79

Changes in the colonic temperature and metabolism during immobilization stress in repetitively immobilized or cold-acclimated rats. Kuroshima A, et al. **Jpn J Physiol** 1985;35(4):591–7

Sensitivity of anterior pituitary hormones to graded levels of psychological stress. Armario A, et al. **Life Sci** 1986 Aug 4;39(5):471–5

Estradiol increases growth hormone secretion in rats exposed to swimming stress or reserpine treatment. Eriksson E, et al. **Life Sci** 1985 Sep 30;37(13):1241–8

Social stress induced pressure breathing and consequent blood pressure oscillation. Fokkema DS, et al. **Life Sci** 1986 Feb 10;38(6):569–75

Naloxone-reversible stress-induced feeding and analgesia in the slug Limax maximus. Kavaliers M, et al. **Life Sci** 1986 Jan 20;38(3):203–9

Evidence for a central but not adrenal, opioid mediation in hypertension induced by brief isolation in the rat. Naranjo JR, et al. **Life Sci** 1986 May 26;38(21):1923–30

Handling-induced enhancement of alcohol's acute physiological effects. Peris J, et al. **Life Sci** 1986 Jan 20; 38(3):273–9

Gamma linolenic acid attenuates cardiovascular responses to stress in borderline hypertensive rats. Mills DE, et al. **Lipids** 1985 Sep;20(9):573–7

Pulse rate as a reliable indicator of the degree of stress on the cardiopulmonary system [letter] Pearson AG. **Milit Med** 1985 Nov;150(11):625–6

Centrally administered inhibitors of the generation and action of angiotensin II do not attenuate the increase in ACTH secretion produced by ether stress in rats. Buckner FS, et al. **Neuroendocrinology** 1986;42(2):97–101

Stress-specific modulation of ACTH secretion by oxytocin. Gibbs DM. **Neuroendocrinology** 1986;42(6):456–8

Effects of castration and testosterone on the pituitary and adrenal responses of the newborn rat to ether inhalation.

Hary L, et al. **Neuroendocrinology** 1986;42(2):137–42
Diurnal variation in neuroendocrine response to stress in rats: plasma ACTH, beta–endorphin, beta–LPH, corticosterone, prolactin and pituitary cyclic AMP responses. Kant GJ, et al. **Neuroendocrinology** 1986;43(3):383–90
Probable involvement of 5–hydroxytryptamine in increased permeability of blood–brain barrier under heat stress in young rats. Sharma HS, et al. **Neuropharmacology** 1986 Feb; 25(2):161–7
Coping, stress, stressors and health consequences. Vogel WH. **Neuropsychobiology** 1985;13(3):129–35
Stillbirth after nonstress testing [letter] Myers SA. **Obstet Gynecol** 1986 Jan;67(1):150
Accumulative cell stress: the multifactorial etiology of idiopathic osteonecrosis. Kenzora JE, et al. **Orthop Clin North Am** 1985 Oct;16(4):669–79
Stress and population regulation in small mammals. Lee AK, et al. **Oxf Rev Reprod Biol** 1985;7:261–304 (115 ref.)
Stress–induced analgesia in the mouse: strain comparisons. Moskowitz AS, et al. **Pain** 1985 Sep;23(1):67–72
Electrodermal discrimination with visual feedback in two incompatible stressful situations. A yoked control comparison. Burns RA, et al. **Pavlov J Biol Sci** 1986 Apr–Jun;21(2):60–4
MIF–1 antagonizes warm–, but not cold–water stress–induced analgesia: dissociation from immobility. Galina ZH, et al. **Peptides** 1985 Nov–Dec;6(6):1109–12
Genetic differences in avoidance behavior: cardiovascular activity, pain sensitivity and stress–induced analgesia. Nagase CS, et al. **Peptides** 1985;6 Suppl 1:29–35
Stress induced desensitization of lymphocyte beta–adrenoceptors in young and aged rats. De Blasi A, et al. **Pharmacol Biochem Behav** 1986 Apr;24(4):991–8
Transfer of conditioning in stress–induced analgesia. Oliverio A, et al. **Pharmacol Biochem Behav** 1986 Jul;25(1):181–3
Methylnalorphinium fails to reverse naloxone–sensitive stress–induced analgesia in mice. Rae GA, et al. **Pharmacol Biochem Behav** 1986 Apr;24(4):829–32
Effects of muscarinic receptor antagonism upon two forms of stress–induced analgesia. Sperber ES, et al. **Pharmacol Biochem Behav** 1986 Jul;25(1):171–9
Influence of substance P on nociception and stress. Oehme P, et al. **Pharmazie** 1985 Aug;40(8):568–70
Restraint stress has no effect on morphine–induced inhibition of gastrointestinal transit in the rat. Appelbaum BD, et al. **Physiol Behav** 1985 Jun;34(6):995–7
Blood pressure and heart rate responses to environmental stress in the spontaneously hypertensive rat. Lawler JE, et al. **Physiol Behav** 1985 Jun;34(6):973–6
Stress selectively influences center region activity of mice in an open field. Lee EH, et al. **Physiol Behav** 1986; 37(4):659–62
Body temperature and sleep architecture in response to a mild cold stress in women. Sewitch DE, et al. **Physiol Behav** 1986;36(5):951–7
Non–opiate analgesia following stressful acoustic stimulation. Szikszay M, et al. **Physiol Behav** 1985 Jul;35(1):135–8
Effects of ergot alkaloids on stress–induced analgesia. Jakoubek B, et al. **Physiol Bohemoslov** 1986;35(3):269–75
Some specific features of exercise stress in athletes. Derevenco P, et al. **Physiologie** 1986 Apr–Jun;23(2):107–14
Effect of acclimation and heat stress on thyroid hormone concentration. May JD, et al. **Poult Sci** 1986 Jun; 65(6):1211–3
Genetic variation of neonatal stress response to reduced temperature brooding in a randombred population of chickens. Scott TR, et al. **Poult Sci** 1986 May;65(5):829–36
Temperature responses in restrained and unrestrained rats to the selective mu opioid agonist, DAGO. Spencer RL, et al. **Proc West Pharmacol Soc** 1985;28:107–10
Sensitization or tolerance to morphine effects after repeated stresses. Benedek G, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1985; 9(4):369–80
Memory formation in birds: 2. Effects of stress due to experimental procedures on the conditioning of the budgerigar (Melopsittacus undulatus) to sound stimuli. Lambert R, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1986; 10(1):25–32
Association of prostaglandin metabolism with urine volume; dissociation from excretion of Na+ and K+ by stress. Fretland DJ, et al. **Prostaglandins Leukotrienes Med** 1986 Apr;22(1):45–55
Vasopressin and oxytocin: hypothalamic modulators of the stress response: a review. Gibbs DM. **Psychoneuroendocrinology** 1986;11(2):131–9 (63 ref.)
Stress–induced opioid analgesia and activity in mice: inhibitory influences of exposure to magnetic fields. Kavaliers M, et al. **Psychopharmacology (Berlin)** 1986; 89(4):440–3
Naloxone injections into the periaqueductal grey area and arcuate nucleus block analgesia in defeated mice. Miczek KA, et al. **Psychopharmacology (Berlin)** 1985;87(1):39–42
The relation between rhythmic cardiovascular variability and reactivity to orthostatic, cognitive, and cold pressor stress. Hatch JP, et al. **Psychophysiology** 1986 Jan;23(1):48–56
The effect of stress on colon motor and electrical activity in irritable bowel syndrome. Welgan P, et al. **Psychosom Med** 1985 Mar–Apr;47(2):139–49
Immunoneutralization of oxytocin attenuates stress–induced corticotropin secretion in the rat. Gibbs DM. **Regul Pept** 1985 Nov 28;12(4):273–7
Respiratory responses to acute heat stress in cranes (Gruidae): the effects of tracheal coiling. Prange HD, et al. **Respir Physiol** 1985 Oct;62(1):95–103
The "stress" of being bornLagercrantz H, et al. **Sci Am** 1986 Apr;254(4):100–7
Ultrasound production and stress in rodents. Kock N. **Vet Rec** 1986 May 24;118(21):588
[Mechanism and significance of cardiovascular changes during the defense–alerting response] Li P. **Sheng Li Ko Hsueh Chin Chan** 1986 Jan;17(1):25–8 (49 ref.) (Chi)
[General anesthesia in relation to stress and shock. I. Stress associated with surgical procedures characterized by changes in catecholamine activity and changes in hemodynamics] Bonaventura J, et al. **Rozhl Chir** 1986 Jan; 65(1):4–9 (Eng. Abstr.) (Cze)
[Changes in plasma prolactin and magnesium in male rats treated with thioproperazine and/or bromocriptine] Marois G, et al. **Ann Endocrinol (Paris)** 1985;46(6):399–405 (Eng. Abstr.) (Fre)
[Neurophysiological aspects of stress] Cheron G. **Arch Belg** 1986;44(3–4):89–97 (Fre)
[Introduction to the problems of stress] Lafontaine A. **Arch Belg** 1986;44(3–4):82–8 (Fre)
[Endurance bicycle ergometry at 0 degrees C: cardio–respiratory and metabolic course] Vogelaere P, et al. **Can J Appl Sport Sci** 1986 Jun;11(2):115–24 (Eng. Abstr.) (Fre)
[Driving in a rally. Effect of beta–blockers (letter)] Fabre SC, et al. **Presse Med** 1985 Nov 16;14(39):2019 (Fre)
[Radioimmunologic determination of ACTH in the rabbit: stress–ACTH–corticosteroid relationship and diarrhea] Monnier M, et al. **Reprod Nutr Dev** 1985;25(6):1017–28 (Eng. Abstr.) (Fre)
[Coronary circulatory stress during dental work activity] Bauer H, et al. **Zahn Mund Kieferheilkd** 1986;74(2):155–60 (Eng. Abstr.) (Ger)
[Effects of illumination on physiological strain during VDT work] Yoshitake R, et al. **Ann Physiol Anthropol** 1985 Jan; 4(1):75–8 (Jpn)
[Role of the adrenergic system in physiological conditions and in stress] Szewczyk L. **Pediatr Pol** 1985 Apr; 60(4):344–9 (Pol)
[Lipid profile and platelet activity in ovariectomy and experimental stress] Sneer A, et al. **Rev Med Chir Soc Med Nat Iasi** 1984 Apr–Jun;88(2):329–33 (Eng. Abstr.) (Rum)
[Lipid profile and the platelet and cardiovascular activity of rats of both sexes under conditions of hyperprogesteronemia and stress] Sneer A, et al. **Rev Med Chir Soc Med Nat Iasi** 1985 Apr–Jun;89(2):261–7 (Eng. Abstr.) (Rum)
[Endogenous opioid system and "pathological autohibernation" of the fetus during labor] Kintraia Pla, et al. **Akush Ginekol (Mosk)** 1986 Jun;(6):13–6 (Eng. Abstr.) (Rus)
[Effect of adaptogens on the activity of the pituitary–adrenocortical system in rats] Filaretov AA, et al. **Biull Eksp Biol Med** 1986 May;101(5):573–4 (Eng. Abstr.) (Rus)
[Effect of preliminary administration of prostaglandin E2 and the prostaglandin synthesis inhibitor indomethacin on disturbances of myocardial contraction during stress] Shimkovich MV, et al. **Biull Eksp Biol Med** 1986 May; 101(5):536–7 (Eng. Abstr.) (Rus)
[Morphometric research on the structural changes in the liver of mice undergoing multiple exposures to a stress factor] Shkurupii VA. **Biull Eksp Biol Med** 1985 Dec; 100(12):748–51 (Eng. Abstr.) (Rus)
[Functional tension of the body and personality traits of operator–micromanipulators] Donskaia LV, et al. **Fiziol Cheloveka** 1986 Mar–Apr;12(2):277–80 (Rus)
[Individual–typologic features of the functioning of the sympatho–adrenal system as a prognostic index of the functional state of the body in complex environmental conditions] Nelzhmakova NA, et al. **Fiziol Cheloveka** 1985 Nov–Dec;11(6):903–10 (Rus)
[Multineuronal activity of the paraventricular nucleus of the hypothalamus during activation and inhibition of the adrenocortical system] Filaretov AA, et al. **Fiziol Zh SSSR** 1985 Sep;71(9):1057–62 (Eng. Abstr.) (Rus)
[Role of the paraventricular and ventromedial nuclei of the hypothalamus in activating the hypophyseal–adrenocortical system] Filaretova LP. **Fiziol Zh SSSR** 1985 Sep; 71(9):1063–6 (Eng. Abstr.) (Rus)
[Hemodynamic correlates of immobilization stress in the rat] Medvedev OS, et al. **Fiziol Zh SSSR** 1986 Mar;72(3):363–7 (Eng. Abstr.) (Rus)
[Morphologic and biochemical study of the functional state of the adrenal cortex in the rat during prolonged hypokinesia] Vorotnikova EV, et al. **Kosm Biol Aviakosm Med** 1986 Jan–Feb;20(1):41–5 (Eng. Abstr.) (Rus)
[Effect of chronic stress during pregnancy on the functional state of the hypothalamo–hypophyseo–adrenal system in the progeny] Aliev MG, et al. **Probl Endokrinol (Mosk)** 1986 Mar–Apr;32(2):79–83 (Eng. Abstr.) (Rus)
[Current concepts concerning certain non–traditional neuroendocrine mechanisms of stress] Slepushkin VD, et al. **Usp Fiziol Nauk** 1985 Oct–Dec;16(4):106–18 (57 ref.) (Rus)
[Manifestations of stress at the level of mitochondria, their stimulation by hormones and regulation by hydrions and air ions] Kondrashova MN, et al. **Zh Obshch Biol** 1985 Jul–Aug;46(4):516–26 (Eng. Abstr.) (Rus)

PREVENTION & CONTROL

Occupational ergonomics—methods to evaluate physical stress on the job. Keyserling WM, et al. **Annu Rev Public Health** 1986;7:77–104
A comparison of methods for reducing stress among dental students. Howard CE, et al. **J Dent Educ** 1986 Sep; 50(9):542–4
[Relationship between blood markers, stress resistance and meat quality in German Landrace pigs] Matzke P, et al. **Berl Munch Tierarztl Wochenschr** 1985 Oct 1;98(10):329–32 (Eng. Abstr.) (Ger)
[Effect of delta–sleep–peptide on the state of brain membranes during exposure to cold stress] Krichevskaia AA, et al. **Fiziol Zh SSSR** 1986 Jun;72(6):843–5 (Rus)
[Methods of calculating quantitative values of exposure to stressful and lethal factors] Sapunov VB. **Gig Sanit** 1985 Nov;(11):39–41 (Rus)
[Prevention of heart damage by extreme physical stress and increasing its resistance to acute overstrain with the antioxidant ionol] Meerson FZ, et al. **Kardiologiia** 1986 Apr;26(4):70–4 (Eng. Abstr.) (Rus)

PSYCHOLOGY

Distress vocalization in rat pups. A simple screening method for anxiolytic drugs. Gardner CR. **J Pharmacol Methods** 1985 Nov;14(3):181–7
The perception of performance in stress: the utilisation of cognitive facts by nondepressed and depressed students. Fisher S. **Perception** 1985;14(4):501–10
Modulation of aversively motivated learning in rats adapted to a cold stressor. Legin–Bucell C, et al. **Physiol Behav** 1985 Oct;35(4):623–6
Sustained attention under thermal stress. Hancock PA. **Psychol Bull** 1986 Mar;99(2):263–81
Parental history of essential hypertension, active coping, and cardiovascular reactivity. Ditto B. **Psychophysiology** 1986 Jan;23(1):62–70
Age differences in cardiovascular reactivity under active coping conditions. Gintner GG, et al. **Psychophysiology** 1986 Jan;23(1):113–20
Cardiovascular responsivity, type A behavior, and parental history of heart disease in young women. Lawler KA, et al. **Psychophysiology** 1986 Jan;23(1):28–32
Heart rate reactivity and type A behavior as modifiers of physiological response to active and passive coping. Lovallo WR, et al. **Psychophysiology** 1986 Jan;23(1):105–12
Evaluation of beta–adrenergic influences on cardiovascular and metabolic adjustments to physical and psychological stress. Sherwood A, et al. **Psychophysiology** 1986 Jan; 23(1):89–104

RADIONUCLIDE IMAGING

Scintigraphy with Tc99m–MDP in the diagnosis of stress lesions in bone. Motta F, et al. **Ital J Orthop Traumatol** 1985 Jun;11(2):215–22

THERAPY

Comparison of total parenteral nutrition with 25 per cent and 45 per cent branched chain amino acids in stressed patients. Van Way CW 3d, et al. **Am Surg** 1985 Nov; 51(11):609–16
Stress inoculation for acute pain: a clinical trial. Postlethwaite R, et al. **J Behav Med** 1986 Apr;9(2):219–27
Parenteral nourishment of patients undergoing surgical or traumatic stress. Gilder H. **JPEN J Parenter Enteral Nutr** 1986 Jan–Feb;10(1):88–99 (127 ref.)
Coping with stress—a medical student's perspective. Potchen M. **Mich Med** 1985 Aug;84(8):431
Electrical stimulation of the medial forebrain bundle–posterior lateral hypothalamus attenuates gastric lesions. McCutcheon NB, et al. **Physiol Behav** 1986; 37(3):435–40
Ten 'A' commandments from the Good Health Symposium. Dawson D. **Practitioner** 1986 Jun;230(1416):516–8
[Our treatment experience of stress ulcers in 242 patients] Serdev N, et al. **Khirurgiia (Sofiia)** 1986;39(2):18–23 (Eng. Abstr.) (Bul)
[Effect of auricular electrostimulation on the production of myelopeptides and early responses of the cellular populations of the blood system in immobilization stress] Vasilenko AM, et al. **Patol Fiziol Eksp Ter** 1985 Sep–Oct; (5):26–30 (Eng. Abstr.) (Rus)

URINE

Urinary catecholamines and stress in male and female police cadets. Pollack AC, et al. **Hum Biol** 1986 Apr;58(2):209–20
The value of urine osmolality as an index of stress in the ovine fetus. Wintour EM, et al. **J Dev Physiol** 1985 Oct; 7(5):347–54

VETERINARY

Mononuclear phagocytes of transport–stressed horses with viral respiratory tract infection. Anderson NV, et al.

Am J Vet Res 1985 Nov;46(11):2272–7

Plasma cortisol and norepinephrine concentrations in castrated male pigs maintained in pairs in outdoor pens and in a confinement finishing house: assessment of stress. Benson G, et al. **Am J Vet Res** 1986 May;47(5):1071–4

The halothane sensitivity locus and its linkage relationships. Archibald AL, et al.
Anim Blood Groups Biochem Genet 1985;16(4):253–63 (57 ref.)

Stress in calves castrated surgically or by the application of rubber rings. Fell LR, et al. **Aust Vet J** 1986 Jan; 63(1):16–8

Development of a salivary cortisol method for detecting changes in plasma "free" cortisol arising from acute stress in sheep. Fell LR, et al. **Aust Vet J** 1985 Dec;62(12):403–6

Comparison of the stressfulness of harvesting broiler chickens by machine and by hand. Duncan IJ, et al.
Br Poult Sci 1986 Mar;27(1):109–14

Categorisation and causes of abnormal egg shells: relationship with stress. Hughes BO, et al. **Br Poult Sci** 1986 Jun; 27(2):325–37

Effect of a change in environmental temperature on heat tolerance in laying fowl. Sykes AH, et al. **Br Poult Sci** 1986 Jun;27(2):307–16

Acclimatization of the fowl to intermittent acute heat stress. Sykes AH, et al. **Br Poult Sci** 1986 Jun;27(2):289–300

The effect of road transportation on the blood constituents and behaviour of calves. II. One to three weeks old. Kent JE, et al. **Br Vet J** 1986 Mar–Apr;142(2):131–40

Antibody responses in protein-energy restricted beef cows and their cold stressed progeny. Olson DP, et al.
Can J Vet Res 1986 Jul;50(3):410–7

The effect of pre-fast diet and transport on nitrogen metabolism of calves. Cole NA, et al. **J Anim Sci** 1986 Jun;62(6):1719–31

Effects of L-dopa supplementation on concentrations of brain catechols, dopamine receptor binding and the incidence of pale, soft and exudative meat in stress-susceptible pigs. Erlander MG, et al. **J Anim Sci** 1985 Oct;61(4):914–23

The effects of two shipping treatments on the carcass characteristics of bulls implanted with zeranol and unimplanted steers. Jones SD, et al. **J Anim Sci** 1986 Jun; 62(6):1602–8

Susceptibility to stress, postmortem muscle metabolism and meat quality of pigs after modification of the fluid volume of the vascular and extravascular spaces. Kolczak T, et al. **J Anim Sci** 1986 Mar;62(3):646–59

Effects of receiving and growing diets on compensatory gains of stressed calves. Lofgreen GP, et al. **J Anim Sci** 1985 Aug;61(2):320–8

The effect of a preassembly zeranol implant and post-transit diet on the health performance and metabolic profile of feeder calves. Phillips WA, et al. **J Anim Sci** 1986 Jan; 62(1):27–36

Heat production of cattle acclimated to cold, thermoneutrality and heat when exposed to thermoneutrality and heat stress. Robinson JB, et al.
J Anim Sci 1986 May;62(5):1434–40

Correlation of indices of stress with intensity of electrical shock for cows. Lefcourt AM, et al. **J Dairy Sci** 1986 Mar; 69(3):833–42

Effect of drinking water temperature on heat stress of dairy cows. Stermer RA, et al. **J Dairy Sci** 1986 Feb;69(2):546–51

Stress-associated mortality [letter] Horner RF, et al.
J S Afr Vet Assoc 1985 Sep;56(3):157

Stress and fertility. A review. Coubrough RI.
Onderstepoort J Vet Res 1985 Sep;52(3):153–6 (38 ref.)

The effect of stress on udder health of dairy cows. Giesecke WH. **Onderstepoort J Vet Res** 1985 Sep;52(3):175–93 (199 ref.)

Effects of cage and floor pen management on behavior, production, and physiological stress responses of laying hens. Mench JA, et al. **Poult Sci** 1986 Jun;65(6):1058–69

Effects of thermal-induced respiratory alkalosis on blood ionized calcium levels in the domestic hen. Odom TW, et al. **Poult Sci** 1986 Mar;65(3):570–3

Influence of transport stress on trichostrongylid infection in feedlot beef cattle. Genchi C, et al. **Vet Parasitol** 1986 Aug; 21(3):211–5

Clinical, gross, and histological findings in herring gulls and Atlantic puffins that ingested Prudhoe Bay crude oil. Leighton FA. **Vet Pathol** 1986 May;23(3):254–63

Deer slaughter [letter] **Vet Rec** 1986 Apr 5;118(14):406–7

[Changes in blood protein levels in piglets during development and during stress] Dvořák M.
Vet Med (Praha) 1986 Jul;31(7):403–14 (Eng. Abstr.) **(Cze)**

[Rectal temperature, hemoglobin concentration of blood as well as glucose and lactose levels of blood plasma in consecutive locomotive stresses in fattening swine] Steinhardt M, et al. **Arch Exp Veterinarmed** 1985 May; 39(3):355–65 (Eng. Abstr.) **(Ger)**

[Magnesium. Mineral—trace element—therapeutic substance? A review] Niemack EA.
Schweiz Arch Tierheilkd 1985 Sep;127(9):597–604 (0 ref.) (Eng. Abstr.) **(Ger)**

STRESS DISORDERS, POST-TRAUMATIC

Post-traumatic stress disorder. McDaniel E, et al.
Am Fam Physician 1986 Aug;34(2):180–9

CHEMICALLY INDUCED

Psychological reactions to pancuronium bromide [letter] Perry SW. **Am J Psychiatry** 1985 Nov;142(11):1390–1

Posttraumatic stress disorder from pentaborane intoxication. Neuropsychiatric evaluation and short-term follow-up. Silverman JJ, et al. **JAMA** 1985 Nov 8;254(18):2603–8

COMPLICATIONS

Posttraumatic stress disorder, partial complex seizures, and alcoholism [letter] Greenstein RA, et al.
Am J Psychiatry 1986 Sep;143(9):1203

Posttraumatic stress disorder's relationship to depressive illness [letter] Rundell JR, et al. **Am J Psychiatry** 1986 Feb; 143(2):267–8

Concurrent psychiatric illness in non-Hispanic outpatients diagnosed as having posttraumatic stress disorder. Sierles FS, et al. **J Nerv Ment Dis** 1986 Mar;174(3):171–3

Post-traumatic stress disorder (traumatic war neurosis) and concurrent psychiatric illness among Australian Vietnam veterans. A controlled study. Boman B.
J R Army Med Corps 1985 Oct;131(3):128–31

Assessment of alexithymia in posttraumatic stress disorder and somatic illness: introduction of a reliable measure. Krystal JH, et al. **Psychosom Med** 1986 Jan–Feb; 48(1–2):84–94

DIAGNOSIS

Preliminary findings on chronic pain and posttraumatic stress disorder. Benedikt RA, et al. **Am J Psychiatry** 1986 Jul; 143(7):908–10

Can monetary compensation influence the course of a disorder? [letter] Burstein A. **Am J Psychiatry** 1986 Jan; 143(1):112

Measurement of combat exposure, posttraumatic stress disorder, and life stress among Vietnam combat veterans. Friedman MJ, et al. **Am J Psychiatry** 1986 Apr;143(4):537–9

Symptom patterns associated with posttraumatic stress disorder among Vietnam veterans exposed to war trauma. Laufer RS, et al. **Am J Psychiatry** 1985 Nov; 142(11):1304–11

On simulating posttraumatic stress disorder [letter] Perr IN.
Am J Psychiatry 1986 Feb;143(2):268–9

Posttraumatic stress disorder and partial complex seizures [letter] Stewart JT, et al. **Am J Psychiatry** 1986 Jan; 143(1):113–4

Perspectives on posttraumatic stress disorder [letter] Ursano RJ, et al. **Am J Psychiatry** 1985 Dec;142(12):1526

Rape trauma syndrome evidence in court. Frazier P, et al.
Am Psychol 1985 Sep;40(9):984–93

The utility of the Anxiety Disorders Interview Schedule (ADIS) in the diagnosis of post-traumatic stress disorder (PTSD) in Vietnam veterans. Blanchard EB, et al.
Behav Res Ther 1986;24(5):577–80

Cryptotrauma and "accident neurosis" Pilowsky I.
Br J Psychiatry 1985 Sep;147:310–1

The post-Vietnam stress syndrome: some cautions. Colbach EM. **Bull Am Acad Psychiatry Law** 1985;13(4):369–72

Panic disorder and PTSD [letter] Burstein A.
J Clin Psychiatry 1985 Oct;46(10):454

Axis II character disorders in PTSD [letter] Sheeley WF.
J Clin Psychiatry 1986 Apr;47(4):217

Applying posttraumatic stress disorder MMPI subscale to World War II POW veterans. Query WT, et al.
J Clin Psychol 1986 Mar;42(2):315–7

Post-traumatic stress disorder: a psychiatric defense. Jordan HW, et al. **J Natl Med Assoc** 1986 Feb;78(2):119–26

The definition of posttraumatic stress disorder in alcoholic Vietnam veterans. Are the DSM-III criteria necessary and sufficient? Van Kampen M, et al. **J Nerv Ment Dis** 1986 Mar;174(3):137–44

Combat stress disorder and the military physician. An approach to a category of post-traumatic stress disorder. Bleich A, et al. **J R Army Med Corps** 1986 Feb;132(1):54–7

Post-traumatic stress disorders: delayed for a decade. Nyman GW. **Md Med J** 1986 Feb;35(2):98

Principles of battlefield psychiatry. Kentsmith DK.
Milit Med 1986 Feb;151(2):89–96

Bipolar disorder in post-traumatic stress disorder—a difficult diagnosis: case reports. Lucking RG. **Milit Med** 1986 May; 151(5):282–4

Posttraumatic stress disorder. No longer just for war veterans. Modlin HC. **Postgrad Med** 1986 Feb 15; 79(3):26–9, 32, 37 passim

Combat stress, post-traumatic stress disorder, and associated psychiatric disturbance. Boman B. **Psychosomatics** 1986 Aug;27(8):567–73[?

DRUG THERAPY

Antidepressant treatment for posttraumatic stress disorder (PTSD) [letter] Harris SE. **J Clin Psychiatry** 1986 May; 47(5):275

Treatment of acute posttraumatic stress disorder with tricyclic antidepressants. Blake DJ. **South Med J** 1986 Feb; 79(2):201–4

ENZYMOLOGY

Platelet MAO activity in posttraumatic stress disorder. Davidson J, et al. **Am J Psychiatry** 1985 Nov; 142(11):1341–3

ETIOLOGY

Recognition of occupation-induced posttraumatic stress disorders. Schottenfeld RS, et al. **J Occup Med** 1986 May; 28(5):365–9

Post-traumatic stress disorder in Vietnam veterans [editorial] Kolb LC. **N Engl J Med** 1986 Mar 6;314(10):641–2

[Psychopathologic and clinico-statistical aspects of neuroses caused by craniocerebral trauma] Grecu G, et al.
Rev Med Interna [Neurol Psihiatr] 1985 Jul–Sep; 30(3):203–16 **(Rum)**

FAMILIAL & GENETIC

Impact of posttraumatic stress disorder of World War II on the next generation. Rosenheck R. **J Nerv Ment Dis** 1986 Jun;174(6):319–27

OCCURRENCE

An experimental analysis of chronic posttraumatic stress among adolescents. Saigh PA. **J Genet Psychol** 1985 Mar; 146(1):125–31 (25 ref.)

PREVENTION & CONTROL

Drain that swamp. Parmet AJ. **Milit Med** 1986 Jan; 151(1):60–2

PSYCHOLOGY

Post-traumatic stress disorder. Silverman JJ.
Adv Psychosom Med 1986;16:115–40 (73 ref.)

American nurses in Vietnam: stressors and aftereffects. Paul EA, et al. **Am J Nurs** 1986 May;86(5):526

Two cases of lifelike visualizations based on imagination in posttraumatic stress disorder [letter] Burstein A.
Am J Psychiatry 1986 Jul;143(7):939

Freud and traumatic neurosis [letter] Eth S.
Am J Psychiatry 1986 Aug;143(8):1057

A case of delayed recognition of posttraumatic stress disorder [letter] Pary R, et al. **Am J Psychiatry** 1986 Jul;143(7):941

What is the role of traumatic imagery? [letter] Pollinger Haas A, et al. **Am J Psychiatry** 1986 Jan;143(1):124–5

Posttraumatic stress disorder as an insanity defense: medicolegal quicksand. Sparr LF, et al.
Am J Psychiatry 1986 May;143(5):608–13

Post-Vietnam stress disorder: a metaphor for current and past life events. Amen DG. **Am J Psychother** 1985 Oct; 39(4):580–6

The defense process in posttraumatic stress disorders. Emery PE, et al. **Am J Psychother** 1985 Oct;39(4):541–52

Is there an assault syndrome? Modlin HC.
Bull Am Acad Psychiatry Law 1985;13(2):139–45

Post-traumatic stress disorders in women who experienced childhood incest. Lindberg FH, et al. **Child Abuse Negl** 1985;9(3):329–34

Posttraumatic stress disorder among black Vietnam veterans. Allen IM. **Hosp Community Psychiatry** 1986 Jan; 37(1):55–61 (55 ref.)

Stress-response syndromes: a review of posttraumatic and adjustment disorders. Horowitz MJ.
Hosp Community Psychiatry 1986 Mar;37(3):241–9

Emotional distress in fifth-grade children ten months after a natural disaster. Burke JD Jr, et al.
J Am Acad Child Psychiatry 1986 Jul;25(4):536–41

Transference and post-traumatic stress: combat veterans' transference to the Veterans Administration Medical Center. Parson ER. **J Am Acad Psychoanal** 1986 Jul; 14(3):349–75

Chronic stress and posttraumatic stress disorders. Davidson LM, et al. **J Consult Clin Psychol** 1986 Jun;54(3):303–8

Identifying survivors at risk: long-term impairment following the Beverly Hills Supper Club fire. Green BL, et al.
J Consult Clin Psychol 1985 Oct;53(5):672–8

Mental health correlates of criminal victimization: a random community survey. Kilpatrick DG, et al.
J Consult Clin Psychol 1985 Dec;53(6):866–73

Posttraumatic stress disorder among Army Nurse Corps Vietnam veterans. Stretch RH, et al.
J Consult Clin Psychol 1985 Oct;53(5):704–8

Posttraumatic stress disorder among U.S. Army Reserve Vietnam and Vietnam-era veterans. Stretch RH.
J Consult Clin Psychol 1985 Dec;53(6):935–6

Posttraumatic stress disorder in murderers. Harry B, et al.
J Forensic Sci 1986 Apr;31(2):609–13

Wounded healers: a summary of the Vietnam Nurse Veteran Project. Paul EA. **Milit Med** 1985 Nov;150(11):571–6

Subsequent military adjustment of combat stress reaction casualties—a nine year follow-up study. Solomon Z, et al. **Milit Med** 1986 Jan;151(1):8–11

Social network variables and stress reaction-lessons from the 1973 Yom-Kippur war. Solomon Z, et al. **Milit Med** 1986 Jan;151(1):12–5

Tragedy can continue in human effects of chemical disaster.
Occup Health Saf 1986 Jan;55(1):20

Psychic trauma in children and adolescents. Terr LC.
Psychiatr Clin North Am 1985 Dec;8(4):815–35

Adolescent vulnerability to posttraumatic stress disorder. van der Kolk BA. **Psychiatry** 1985 Nov;48(4):365–70

Remembered images and trauma. A psychology of the supernatural. Terr LC. **Psychoanal Study Child** 1985; 40:493–533

[No man's land as home country] Kater HJ.
Ned Tijdschr Geneeskd 1985 Aug 10;129(32):1550–3 **(Dut)**

[Looking back in bewilderment] Kuilman M. **Ned Tijdschr Geneeskd** 1985 Aug 10;129(32):1517-21 **(Dut)**

[Extreme psychogenic shock states in childhood] Spiel W. **Psychiatr Neurol Med Psychol Beih** 1977;22-23:307-12 (Eng. Abstr.) **(Ger)**

THERAPY

Prognostic indicators in post traumatic stress disorder. Smith CH. **Ala Med** 1985 Oct;55(4):50-1, 53-4

The role of proximity, immediacy, and expectancy in frontline treatment of combat stress reaction among Israelis in the Lebanon War. Solomon Z, et al. **Am J Psychiatry** 1986 May;143(5):613-7

Time-limited psychotherapy for posttraumatic stress disorder: the traumatized ego and its self-reparative function. Deitz IJ. **Am J Psychother** 1986 Apr;40(2):290-9

Treatment of chronic post-traumatic stress disorders. Kolb LC. **Curr Psychiatr Ther** 1986;23:119-27

NIMH report. Panel recommends comprehensive program for victims of violent crime. Rich RF, et al. **Hosp Community Psychiatry** 1986 May;37(5):437-8, 445

Stress-related, posttraumatic chronic pain syndrome: behavioral treatment approach. Muse M. **Pain** 1986 Jun; 25(3):389-94

Hospital based treatment of malignant post Vietnam stress syndrome. Rosenheck R. **Psychiatr Q** 1984 Winter; 56(4):259-69

Treatment noncompliance in patients with post-traumatic stress disorder. Burstein A. **Psychosomatics** 1986 Jan; 27(1):37-40

[Referral and consultation by the physician in problems of war victims] Dane J. **Ned Tijdschr Geneeskd** 1985 Aug 10;129(32):1525-7 **(Dut)**

[Short-term psychotherapy in a case of prolonged combat reaction] Neumann M, et al. **Harefuah** 1985 Aug; 108(3-4):64-7 (Eng. Abstr.) **(Heb)**

URINE

Urinary free-cortisol levels in posttraumatic stress disorder patients. Mason JW, et al. **J Nerv Ment Dis** 1986 Mar; 174(3):145-9

STRESS, MECHANICAL

Interface stresses in the resurfaced hip. Finite element analysis of load transmission in the femoral head. Huiskes R, et al. **Acta Orthop Scand** 1985 Dec;56(6):474-8

A program for control of repetitive trauma disorders associated with hand tool operations in a telecommunications manufacturing facility. McKenzie F, et al. **Am Ind Hyg Assoc J** 1985 Nov;46(11):674-8

Multiple stress fractures. Gupta RK, et al. **Australas Radiol** 1986 Feb;30(1):57-9

Euler buckling in a wheelbarrow obstacle course: a catastrophe with complex lag. Guastello SJ. **Behav Sci** 1985 Oct;30(4):204-12

Enhanced glucose consumption in erythrocytes under mechanical stress. Kodíček M. **Cell Biochem Funct** 1986 Apr;4(2):153-5

The problem of surface damage in polyethylene total knee components. Wright TM, et al. **Clin Orthop** 1986 Apr; (205):67-74

Speed of stress wave propagation in lung. Yen RT, et al. **J Appl Physiol** 1986 Aug;61(2):701-5

Indirect monitoring and analysis of truncal stress over extended time periods. Bryant TN, et al. **J Biomed Eng** 1986 Apr;8(2):171-4

The effect of conformity, thickness, and material on stresses in ultra-high molecular weight components for total joint replacement. Bartel DL, et al. **J Bone Joint Surg [Am]** 1986 Sep;68(7):1041-51

A new vacuum-operated stress-providing instrument that applies static or variable duration cyclic tension or compression to cells in vitro. Banes AJ, et al. **J Cell Sci** 1985 Apr;75:35-42

Computed tomography of stress fractures. Yousem D, et al. **J Comput Assist Tomogr** 1986 Jan-Feb;10(1):92-5

Fatigue of dental ceramics in a simulated oral environment. Morena R, et al. **J Dent Res** 1986 Jul;65(7):993-7

A unifying principle relating stress to trabecular bone morphology. Fyhrie DP, et al. **J Orthop Res** 1986; 4(3):304-17

Three-dimensional load-displacement curves due to forces on the cervical spine. Panjabi MM, et al. **J Orthop Res** 1986;4(2):152-61

A preliminary investigation into the nature of shock absorbency in synthetic sports materials. McCullagh PJ, et al. **J Sports Sci** 1985 Summer;3(2):103-14

Stress fractures of the medial femoral condyle. Milgrom C, et al. **J Trauma** 1986 Feb;26(2):199-200

An instrument for the measurement of in vitro velocity and turbulent shear stress in the immediate vicinity of prosthetic heart valves. Woo YR, et al. **Life Support Syst** 1986 Jan-Mar;4(1):47-62

Biomechanical behavior of the posterior elements of the lumbar spine under loading--a study of stress analysis by means of three dimensional photoelastic experiments. Arai E, et al. **Nippon Seikeigeka Gakkai Zasshi** 1985 Aug; 59(8):853-63

[Determination of stresses in resurfacing arthroplasty of the hip by numerical and experimental technics] Bourgois R, et al. **Acta Orthop Belg** 1985 Mar-Jun;51(2-3):181-9 (Eng. Abstr.) **(Fre)**

[Evaluation of the dynamic stress and quality of intraocular lenses] Fedorov SN, et al. **Med Tekh** 1985 Sep-Oct;(5):16-9 (Eng. Abstr.) **(Rus)**

STRESS PROTEINS see HEAT-SHOCK PROTEINS

STRESS, PSYCHOLOGICAL

see related
CROWDING
LIFE CHANGE EVENTS

Psychosocial stress and obstetrical complications. The need for a comprehensive model. Magni G, et al. **Acta Obstet Gynecol Scand** 1986;65(3):273-6

"Burnout" in the care and management of survivors of out-of-hospital cardiac arrest [editorial] Graboys TB. **Am Heart J** 1986 Aug;112(2):428-30

Social and cultural factors in pregnancy complications among Navajo women. Boyce WT, et al. **Am J Epidemiol** 1986 Aug;124(2):242-53

Patients who leave without being seen. Weissberg MP, et al. **Ann Emerg Med** 1986 Jul;15(7):813-7

The concept of stress. Tennant C, et al. **Aust NZ J Psychiatry** 1985 Jun;19(2):113-8

The measurement of self-reported pilot performance. Sloan SJ, et al. **Aviat Space Environ Med** 1986 May;57(5):466-71

Pain and suffering revised [editorial] Bourdony CJ. **Bol Asoc Med PR** 1986 Feb;78(2):64

Levels and sources of stress in medical students. Firth J. **Br Med J [Clin Res]** 1986 May 3;292(6529):1177-80

Marital distress among resident physicians [editorial] Myers MF. **Can Med Assoc J** 1986 May 15;134(10):1117-8

Headaches and stress in schoolchildren: an epidemiological study. Passchier J, et al. **Cephalalgia** 1985 Sep;5(3):167-76

Can a three-year-old child bear witness to her sexual assault and attempted murder? Jones DP, et al. **Child Abuse Negl** 1986;10(2):253-8

Emotional sequelae of chronic inflammatory bowel disease in children and adolescents. Bruce T. **Clin Gastroenterol** 1986 Jan;15(1):89-104

Caring for patients with cancer: how stressful is it for the physician? Lopez JA, et al. **Compr Ther** 1985 Sep; 11(9):68-70

Measurement of stress as it affects the work of the general practitioner. Porter AM, et al. **Fam Pract** 1985 Sep; 2(3):136-46

Assessing support and stress in the social networks of chronic patients. Sokolove RL, et al. **Hosp Community Psychiatry** 1986 Apr;37(4):370-2

Doctors and stress: sources and solutions [letter] Ballantyne F. **Hosp Pract [Off]** 1986 May 30;21(5A):16

Doctors and stress: is there really a problem? McCue JD. **Hosp Pract [Off]** 1986 Mar 30;21(3A):7, 11, 15-6

Stress in the life of surgeons. Ogilvie BC. **Instr Course Lect** 1983;32:18-32

Alcohol and marijuana use in relation to adolescent stress. Labouvie EW. **Int J Addict** 1986 Mar;21(3):333-45

The short and long of stress: AIDS; Challenger; terrorism; meltdown [editorial] Furst ML. **Int J Psychosom** 1986; 33(2):60

Burnout in psychiatric nursing. McCarthy P. **J Adv Nurs** 1985 Jul;10(4):305-10

Families of elderly stroke patients. Effects of home care. Silliman RA, et al. **J Am Geriatr Soc** 1986 Sep;34(9):643-8

Gender and the emotional impact of internship. Elliot DL, et al. **J Am Med Wom Assoc** 1986 Mar-Apr;41(2):54-6

Dealing with our losses. Mount BM. **J Clin Oncol** 1986 Jul; 4(7):1127-34

Dissociation between emotional and endocrine responses preceding an academic examination in male medical students. Allen PI, et al. **J Endocrinol** 1985 Nov; 107(2):163-70

A chronic technique for high frequency blood sampling/transfusion in the freely behaving rat which does not affect prolactin and corticosterone secretion. Wiersma J, et al. **J Endocrinol** 1985 Nov;107(2):285-92

A diagnostic problem and family assessment [clinical conference] Christie-Seely JE. **J Fam Pract** 1986 Apr; 22(4):329-33, 337-9

The myth of cut-throats among premedical students: on the role of stereotypes in justifying failure and success. Conrad P. **J Health Soc Behav** 1986 Jun;27(2):150-60

Social networking, hardiness and immigrant's mental health. Kuo WH, et al. **J Health Soc Behav** 1986 Jun;27(2):133-49 (57 ref.)

Gender, life strains, and depression. Newmann JP. **J Health Soc Behav** 1986 Jun;27(2):161-78

Paid employment, life events, social support, and mental health in working-class mothers. Parry G. **J Health Soc Behav** 1986 Jun;27(2):193-208

Occupational stress, personal strain, and coping among residents and faculty members. Alexander D, et al. **J Med Educ** 1985 Nov;60(11):830-9

Emotional stress and iodine-131 therapy for Grave's disease [letter] Feigenson F. **J Nucl Med** 1985 Dec;26(12):1502-3

Stress among head nurses: where's the evidence? Jennings BM. **J Nurs Adm** 1986 Jul-Aug;16(7-8):6, 12

McLean's work stress factors as predictors of mental illness [letter] Wong CM, et al. **J Occup Med** 1985 Nov;27(11):792

Measurement of psycho-social stress in relationship to an illness (a controlled study of 100 cases of malignancy). Doongaji DR, et al. **J Postgrad Med** 1985 Apr;31(2):73-9

Coronary risk factors: the contemplation of bigamy [letter] Gizzi MS, et al. **JAMA** 1986 Sep 5;256(9):1138

Health status, job satisfaction, job stress, and life satisfaction among academic and clinical faculty. Linn LS, et al. **JAMA** 1985 Nov 15;254(19):2775-82

Examination nerves and the medical student [letter] Andreassen KH, et al. **Lancet** 1985 Oct 19;2(8460):896

The influence of restraint stress in rats on metallothionein production and corticosterone and glucagon secretion. Hidalgo J, et al. **Life Sci** 1986 Aug 18;39(7):611-6

Psychosocial stress and symptoms of menopause: a comparative study of menopause clinic patients and non-patients. Ballinger SE. **Maturitas** 1985 Nov; 7(4):315-27

Preclinical anxiety: the stress associated with a viva voce examination. Arndt CB, et al. **Med Educ** 1986 Jul; 20(4):274-80

Psychological disability in women who relinquish a baby for adoption. Condon JT. **Med J Aust** 1986 Feb 3;144(3):117-9

Psychiatry, compensation and rehabilitation. Judd FK, et al. **Med J Aust** 1986 Feb 3;144(3):131, 133-5

Relinquishing mothers [editorial] Parker G. **Med J Aust** 1986 Feb 3;144(3):113

Consider the psychosocial consequences of AIDS. Fisher EJ. **Mich Med** 1986 Mar;85(3):95-6

Social support, stress, and health: a comparison of expectant mothers and fathers. Brown MA. **Nurs Res** 1986 Mar-Apr; 35(2):72-6

Stressors associated with coronary bypass surgery. Carr JA, et al. **Nurs Res** 1986 Jul-Aug;35(4):243-6

Re: 'Stress in ICU and non-ICU nurses' [letter] Summers S. **Nurs Res** 1986 Jul-Aug;35(4):236

Dual-earner families' stress levels and personal and life-style-related variables. Sund K, et al. **Nurs Res** 1985 Nov-Dec;34(6):357-61

Relationship of demographic, life-style, and stress variables to blood pressure in adolescents. Thomas SP, et al. **Nurs Res** 1986 May-Jun;35(3):169-72

Major life events, daily stressors, and perimenstrual symptoms. Woods NF, et al. **Nurs Res** 1985 Sep-Oct; 34(5):263-7

Lawsuits must be curbed or medical profesion will suffer [editorial] Strasser AL. **Occup Health Saf** 1985 Oct; 54(10):30, 70

Prenatal stress reduces intermale aggression in mice. Kinsley C, et al. **Physiol Behav** 1986;36(4):783-6

Maslach Burnout Inventory: factor structure and norms for British nursing staff. Firth H, et al. **Psychol Rep** 1985 Aug; 57(1):147-50

Social networks, stress, adaptation, and health. A longitudinal study of an inner-city elderly population. Cohen CI, et al. **Res Aging** 1985 Sep;7(3):409-31

Caregiving strain and the desire to institutionalize family members with Alzheimer's disease. Possible predictors and model development. Morycz RK. **Res Aging** 1985 Sep; 7(3):329-61

Perceived job stress, job satisfaction, and psychological symptoms in critical care nursing. Norbeck JS. **Res Nurs Health** 1985 Sep;8(3):253-9

Life strain, life events, and autonomic response to a psychological stressor in patients with chronic upper abdominal pain. Jørgensen LS, et al. **Scand J Gastroenterol** 1986 Jun;21(5):605-13

Disability, stress and readjustment: the function of the professional's latent goals and affective behavior in rehabilitation. Ben-Sira Z. **Soc Sci Med** 1986;23(1):43-55

Potency: a stress-buffering link in the coping-stress-disease relationship. Ben-Sira Z. **Soc Sci Med** 1985;21(4):397-406

A sociological conceptualization of trauma. Meštrović SG. **Soc Sci Med** 1985;21(8):835-48 (136 ref.)

Effects of rapid urbanization on child behaviour and health in a part of Khartoum, Sudan--II. Psycho-social influences on behaviour. Rahim SI, et al. **Soc Sci Med** 1986; 22(7):723-30

The effects of sulindac and its metabolites on acute stress-induced gastric ulcers in rats. Glavin GB, et al. **Toxicol Appl Pharmacol** 1986 Apr;83(2):386-9

Effect of supplemental corticosterone and social stress on organophosphorus-induced delayed neuropathy in chickens. Ehrich M, et al. **Toxicol Lett** 1986 Apr;31(1):9-13

[Psychological factors in the health status of the population] Koudelková A. **Cas Lek Cesk** 1986 Feb 28;125(9):257-61 (Eng. Abstr.) **(Cze)**

[Psychocosial strain, stress and ischemic heart disease. II. Occupational stress] Kristensen TS, et al. **Ugeskr Laeger** 1986 Jan 27;148(5):275-81 (Eng. Abstr.) **(Dan)**

[Psychosocial strain, stress and ischemic heart disease. I. Social stress and individual reaction patterns] Netterstrm B, et al. **Ugeskr Laeger** 1986 Jan 27;148(5):271-5 (Eng. Abstr.) **(Dan)**

[Sperm donorship and anonymity] de Wert G. **Ned Tijdschr Geneeskd** 1986 Jan 4;130(1):38-9 **(Dut)**

[Old age and cancer. Various psychological aspects] Munnichs JM. **Tijdschr Gerontol Geriatr** 1986 Apr; 17(2):49-53 (Eng. Abstr.) **(Dut)**

[Burn-out] **Ann Med Psychol (Paris)** 1985 Jul;143(7):601-51 **(Fre)**

[Professional burnout] **Ann Med Psychol (Paris)** 1985 Jul; 143(7):601-10 **(Fre)**

[Burnout in civil servants as seen in their use of sick leave] Duflot, et al. **Ann Med Psychol (Paris)** 1985 Jul;143(7):639–45 (Fre)
[Institutional burnout...] Gagnon A. **Ann Med Psychol (Paris)** 1985 Jul;143(7):646–51 (Fre)
[Burnout and retirement] Gayda M, et al. **Ann Med Psychol (Paris)** 1985 Jul;143(7):633–8 (Fre)
[Professional burnout of the psychiatrist] Henne M. **Ann Med Psychol (Paris)** 1985 Jul;143(7):694–701 (Fre)
[Effects of psychological stress on cardiovascular function] Tavazzi L, et al. **Cardiologia** 1985 Sep;30(9):649–54 (41 ref.) (Ita)
[Patterns of emotional reactions in stress situations and their relation to somatic illness] Wrześniewski K, et al. **Pol Tyg Lek** 1985 Nov 18–25;40(46–47):1285–90 (Eng. Abstr.) (Pol)
[The frequency and intensity of certain emotional experiences in persons with malignant diseases and in healthy persons] Krizmanić M, et al. **Lijec Vjesn** 1986 Apr;108(4):123–6 (Eng. Abstr.) (Ser)
[Psychosocial factors in the development and course of ischemic cardiopathy] Halhuber MJ, et al. **Rev Esp Cardiol** 1985;38 Suppl 3:41–4 (Eng. Abstr.) (Spa)
[Emotional factors in the incidence of accidents] Medina E, et al. **Rev Med Chil** 1985 Jun;113(6):580–6 (Eng. Abstr.) (Spa)

BLOOD

Psychogenic stress in women during fetal monitoring (hormonal profile). Shalev E, et al. **Acta Obstet Gynecol Scand** 1985;64(5):417–20
Emotional trauma and thyroxine [letter] Jackson GL. **Ann Intern Med** 1986 Feb;104(2):289
Mental task–induced strain and its after–effect assessed through variations in plasma cortisol levels. Wittersheim G, et al. **Biol Psychol** 1985 Sep;21(2):123–32
Fibrinogen: a possible link between social class and coronary heart disease [letter] Ernst E, et al. **Br Med J [Clin Res]** 1985 Dec 14;291(6510):1723
Changes in blood metabolites following stress from capture and handling of the marine teleost Girella tricuspidata. Ling N, et al. **Comp Biochem Physiol [A]** 1985;82(3):609–12
Relationship between growth hormone levels and time spent by soldiers in an active war zone. Nanji AA, et al. **Horm Behav** 1985 Sep;19(3):348–50
Fibronectin levels in stressed and septic patients fed with total parenteral nutrition. van der Linden CJ, et al. **JPEN J Parenter Enteral Nutr** 1986 Jul–Aug;10(4):360–3
Psychological stress and metabolic control in patients with type I diabetes mellitus. Kemmer FW, et al. **N Engl J Med** 1986 Apr 24;314(17):1078–84
Sensitivity of corticosterone and some metabolic variables to graded levels of low intensity stresses in adult male rats. Armario A, et al. **Physiol Behav** 1986;37(4):559–61
Corticosterone and prolactin responses to predictable and unpredictable novelty stress in rats. Muir JL, et al. **Physiol Behav** 1986;37(2):285–8
Effects of stress and ovariectomy on the plasma cholesterol, serum triglyceride, and aortic cholesterol levels of female rats. Starzec JJ, et al. **Physiol Behav** 1986;37(1):99–104
Implication of the serotoninergic system in the decreased ACTH response to stress after lesion of the amygdaloid central nucleus. Beaulieu S, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1985; 9(5–6):665–9
Norepinephrine alterations under stress conditions following the regular practice of meditation. Morrell EM, et al. **Psychosom Med** 1986 Mar–Apr;48(3–4):270–7
Psychologic stress and blood glucose levels in nondiabetic subjects. Wing RR, et al. **Psychosom Med** 1985 Nov–Dec; 47(6):558–64
[Stress–induced changes in blood glucose level in normotensive Wistar–Kyoto rats (WKY) and spontaneously hypertensive rats (SHR) aged 13–14 and 26 weeks] Roske I, et al. **Pharmazie** 1986 May;41(5):343–5 (Eng. Abstr.) (Ger)
[Collagen metabolism during immobilization and electropuncture] Sharev PN, et al. **Biull Eksp Biol Med** 1986 Mar;101(3):304–6 (Eng. Abstr.) (Rus)
[Erythrocyte function of rats under emotional stress] Vitrichenko EE. **Biull Eksp Biol Med** 1985 Dec; 100(12):675–7 (Eng. Abstr.) (Rus)
[Leukocyte responses to emotional tension] Plotnikova NM, et al. **Fiziol Cheloveka** 1985 Sep–Oct;11(5):829–33 (Rus)
[Interaction of adrenocorticotropic hormone, cortisol and insulin during emotional tension among ischemic heart disease patients] Sokolov EI, et al. **Kardiologiia** 1985 Dec; 25(12):81–4 (Eng. Abstr.) (Rus)
[Amino acid spectrum of human blood during neuro–emotional strain] Vlasova TF, et al. **Kosm Biol Aviakosm Med** 1986 Jan–Feb;20(1):80–2 (Rus)
[Antiaggregation activity of periodontal tissues in acute emotional pain stress] Tarasenko LM, et al. **Stomatologiia (Mosk)** 1985 Sep–Oct;64(5):12–3 (Eng. Abstr.) (Rus)

CHEMICALLY INDUCED

Physical and psychologic distress associated with adjuvant chemotherapy in women with breast cancer. Knobf MT. **J Clin Oncol** 1986 May;4(5):678–84

COMPLICATIONS

Psychosocial stresses and psychiatric disorders in an outpatient population in Saudi Arabia. Chaleby K. **Acta Psychiatr Scand** 1986 Feb;73(2):147–51
Traumatic contributions in the development of an obsessional neurosis in an adolescent. Loeb LR. **Adolesc Psychiatry** 1986;13:201–17
Suicidal thoughts and their relationship to family stress and personal problems among high school seniors and college undergraduates. Wright LS. **Adolescence** 1985 Fall; 20(79):575–80
Acute ethanol administration: effects on stress–induced gastric and duodenal ulcer in rats. Glavin GB, et al. **Alcohol** 1985 Sep–Oct;2(5):651–3
Ethanol–stress interaction on dopamine metabolism in the medial prefrontal cortex. Fadda F, et al. **Alcohol Drug Res** 1985–86;6(6):449–54
The effect of stress on tolerance to ethanol in rats. Maier DM, et al. **Alcohol Drug Res** 1985–86;6(6):387–401
Effects of exposure to stressful stimuli on the free–choice consumption of various phenethylamines by rats. Nash JF Jr, et al. **Alcohol Drug Res** 1985–86;6(6):403–15
Ventricular tachycardia/fibrillation on the first day of medical school. Vlay SC. **Am J Cardiol** 1986 Feb 15; 57(6):483
Vulnerability to economic stress. Aldwin CM, et al. **Am J Community Psychol** 1986 Apr;14(2):161–75
Occupational stress, social support, and burnout among correctional officers. Dignam JT, et al. **Am J Community Psychol** 1986 Apr;14(2):177–93
Adolescent coping and support across multiple social environments. Hirsch BJ. **Am J Community Psychol** 1985 Aug;13(4):381–92
The impact of rape: social support as a moderator of stress. Popiel DA, et al. **Am J Community Psychol** 1985 Dec; 13(6):645–76
Job stress and task interest: two factors in work life quality. Zautra AJ, et al. **Am J Community Psychol** 1986 Aug; 14(4):377–93
Stress and acute respiratory infection. Graham NM, et al. **Am J Epidemiol** 1986 Sep;124(3):389–401
Attenuation of response to mental stress in patients with essential tremor treated with metoprolol. Gengo FM, et al. **Arch Neurol** 1986 Jul;43(7):687–9
Stress and coronary artery disease. Keogh A, et al. **Aust Fam Physician** 1986 Feb;15(2):163, 166–7
Effect of social environment and oocyst dose on resistance and immunity to Eimeria tenella challenge. Gross WB. **Avian Dis** 1985 Oct–Dec;29(4):1018–29
Hysterical deafness: an unusual presentation of stress in an air traffic control officer. Maxwell VB, et al. **Aviat Space Environ Med** 1986 Mar;57(3):263–6
Bereavement and breast cancer. Ewertz M. **Br J Cancer** 1986 May;53(5):701–3
The effect of chemiosympathectomy on the incidence of stress–induced gastric erosions. Tóth T. **Br J Exp Pathol** 1986 Jun;67(3):349–52
Stress ulceration in the critically ill patient. Knight A, et al. **Br J Hosp Med** 1985 Apr;33(4):216–9 (60 ref.)
Neurophysiological analysis of the development of endocrine and hypertensive reactions in prolonged emotional stress. Amiragova MG. **Brain Res** 1985 Oct 7;344(2):303–15
The Mental–Mental Muddle and Work Comp in Oregon. II. Colbach EM. **Bull Am Acad Psychiatry Law** 1985; 13(3):253–8
Patterns of illness among individuals reporting high and low stress. Norman GR, et al. **Can J Psychiatry** 1985 Oct; 30(6):400–5
Risk and competence: a model and studies with handicapped children. Burke SO. **Can J Public Health** 1986 May–Jun; 77 Suppl 1:40–5
The Ischemic Heart Disease Life Stress Monitoring Program: 18–month mortality results. Frasure–Smith N, et al. **Can J Public Health** 1986 May–Jun;77 Suppl 1:46–50
Stress and skin diseases: psychosomatic dermatology. **Clin Dermatol** 1984 Oct–Dec;2(4):1–282
The prevalence of hypertension among elderly Navajos: a test of the acculturative stress hypothesis. Kunitz SJ, et al. **Cult Med Psychiatry** 1986 Jun;10(2):97–121
Prenatal stress affects mother–infant interaction in Norway rats. Moore CL, et al. **Dev Psychobiol** 1986 May; 19(3):235–45
The nature and measurement of stress. Cox T. **Ergonomics** 1985 Aug;28(8):1155–63
The role of psychologic stress in the genesis of lethal arrhythmias in patients with coronary artery disease. Tavazzi L, et al. **Eur Heart J** 1986 May;7 Suppl A:99–106
Effects of morphine and naloxone on stress ulcer formation and gastric acid secretion. Glavin GB, et al. **Eur J Pharmacol** 1986 May 13;124(1–2):121–7
The effect of postural variation on the electromyographic evaluation of tension headache and nonheadache control participants. Ahles TA, et al. **Headache** 1986 Jul; 26(7):353–5
The role of stress in recurrent tension headache. Holm JE, et al. **Headache** 1986 Apr;26(4):160–7
Locus of control, assertiveness, and anxiety as personality variables in stress–related headaches. Jones C, et al. **Headache** 1986 Jul;26(7):369–74
Psychosomatic factors and peptic ulcer disease. Magni G, et al. **Hepatogastroenterology** 1986 Jun;33(3):131–7 (76 ref.)
Psychological stress as a cause of intermittent gynecomastia. Gooren LJ, et al. **Horm Metab Res** 1986 Jun;18(6):424
Assessing support and stress in the social networks of chronic patients. Sokolove RL, et al. **Hosp Community Psychiatry** 1986 Apr;37(4):370–2
A test of nonrespondent bias in a family–based study: a research note. Needle R, et al. **Int J Addict** 1985 May; 20(5):763–9
Stress and fertility: some modalities of investigation and treatment in couples with unexplained infertility in Dublin. Harrison RF, et al. **Int J Fertil** 1986 May–Jun;31(2):153–9
Role of weight changes in the relief of stress in infertile women. Schinfeld JS, et al. **Int J Psychosom** 1985;32(4):3–7
Emigration stress and language proficiency as correlates of depression in a sample of Southeast Asian refugees. Nicassio PM, et al. **Int J Soc Psychiatry** 1986 Spring; 32(1):22–8
Social support and psychopathology: interrelations with preexisting disorder, stress, and personality. Monroe SM, et al. **J Abnorm Psychol** 1986 Feb;95(1):29–39
Work stressors and wife abuse. Barling J, et al. **J Appl Psychol** 1986 May;71(2):346–8
Departmental structure, locus of control, and job stress: the effect of a moderator. Marino KE, et al. **J Appl Psychol** 1985 Nov;70(4):782–4
Stress, loneliness, and changes in herpesvirus latency. Glaser R, et al. **J Behav Med** 1985 Sep;8(3):249–60
Cardiovascular responses in type A children during a cognitive challenge. Murray DM, et al. **J Behav Med** 1985 Dec;8(4):377–95
Relaxation based treatment of stress induced syncope. McGrady AV, et al. **J Behav Ther Exp Psychiatry** 1986 Mar;17(1):23–7
Syncope in institutionalized elderly: the impact of multiple pathological conditions and situational stress. Lipsitz LA, et al. **J Chronic Dis** 1986;39(8):619–30
Developmental considerations in the concept of affective illness. Addario D. **J Clin Psychiatry** 1985 Oct;46(10 Pt 2):46–56 (54 ref.)
Chronic stress and posttraumatic stress disorders. Davidson LM, et al. **J Consult Clin Psychol** 1986 Jun;54(3):303–8
Psychosocial precursors and correlates of migraine headache. Levor RM, et al. **J Consult Clin Psychol** 1986 Jun; 54(3):347–53
Cognitive distortion and psychological distress in chronic low back pain. Smith TW, et al. **J Consult Clin Psychol** 1986 Aug;54(4):573–5
Children of battered women: the relation of child behavior to family violence and maternal stress. Wolfe DA, et al. **J Consult Clin Psychol** 1985 Oct;53(5):657–65
An investigation of the stress factor in the mandibular dysfunction syndrome. Geissler PR. **J Dent** 1985 Dec; 13(4):283–7
Occupational stress and health among men and women in the Tecumseh Community Health Study. House JS, et al. **J Health Soc Behav** 1986 Mar;27(1):62–77
Models for the stress–buffering functions of coping resources. Wheaton B. **J Health Soc Behav** 1985 Dec;26(4):352–64
Workers' compensation claims for stress–related disorders. Davis JA. **J Occup Med** 1985 Nov;27(11):821–5
Upper gastrointestinal tract bleeding acquired in a pediatric intensive care unit: prophylaxis trial with cimetidine. Lacroix J, et al. **J Pediatr** 1986 Jun;108(6):1015–8
Psychophysiological comparisons of three kinds of headache subjects during and between headache states: analysis of post–stress adaptation periods. Arena JG, et al. **J Psychosom Res** 1985;29(4):427–41
Inability to cope with environmental stress: peptic ulcers in mentally retarded persons. Chaney RH, et al. **J Psychosom Res** 1985;29(5):519–24
Comparison of electromyographic response patterns during posture and stress tasks in chronic low back pain patterns and control. Cohen MJ, et al. **J Psychosom Res** 1986; 30(2):135–41
The paradoxical relation between diastolic blood pressure change under stress and the H factor of the Jenkins Activity Survey. Goldstein HS, et al. **J Psychosom Res** 1985; 29(4):419–25
Stress and hopelessness in the promotion of cervical intraepithelial neoplasia to invasive squamous cell carcinoma of the cervix. Goodkin K, et al. **J Psychosom Res** 1986;30(1):67–76
Cardiovascular responsivity to stress: family patterns and the effects of instructions. Hastrup JL, et al. **J Psychosom Res** 1986;30(2):233–41
Stress and rheumatoid arthritis: a survey of empirical evidence in human and animal studies. Koehler T. **J Psychosom Res** 1985;29(6):655–63 (52 ref.)
Physiological and metabolic responses to brief stress in non–insulin dependent diabetic and control subjects. Naliboff BD, et al. **J Psychosom Res** 1985;29(4):367–74
Psychological factors in recurrent genital herpes infection: stress, coping style, social support, emotional dysfunction, and symptom recurrence. Silver PS, et al. **J Psychosom Res** 1986;30(2):163–71
The development of a sense of coherence and its impact on responses to stress situations. Antonovsky H, et al. **J Soc Psychol** 1986 Apr;126(2):213–25
The relationship between psychosocial factors and sports injuries. Lysens R, et al. **J Sports Med Phys Fitness** 1986 Mar;26(1):77–84

Time course for the changes of serum lipoproteins and apolipoprotein T concentrations after major surgical trauma in man. Lindh A, et al. **JPEN J Parenter Enteral Nutr** 1986 May–Jun;10(3):265–73

Adrenergic urticaria: a new form of stress–induced hives. Shelley WB, et al. **Lancet** 1985 Nov 9;2(8463):1031–3

Effects of emotional stress on EI–mouse convulsions, and their biochemical background. Mori A, et al. **Neurochem Res** 1986 Jan;11(1):37–45

The malpractice stress syndrome. Reading EG. **NJ Med** 1986 May;83(5):289–90

OHNs can provide listening ear dealing with employees' problems. Marks LN, et al. **Occup Health Saf** 1986 May; 55(5):45–7

Health promotion pays: 3–to–1 return seen in stress management programs. White DM. **Occup Health Saf** 1986 Aug;55(8):18–9, 55

Relation of stress and anxiety to oral lichen planus. Allen CM, et al. **Oral Surg Oral Med Oral Pathol** 1986 Jan; 61(1):44–6

Symptoms of psychological distress and treatment effects with low–back pain patients. Järvikoski A, et al. **Pain** 1986 Jun;25(3):345–55

High calcium intake does not prevent stress–salt hypertension in dogs. Anderson DE, et al. **Pavlov J Biol Sci** 1986 Jan–Mar;21(1):25–31

Prenatal stress effects: are they mediated by reductions in maternal food and water intake and body weight gain? Kinsley C, et al. **Physiol Behav** 1986;37(1):191–3

Stress ulcer in normotensive and spontaneously hypertensive rats. Paré WP, et al. **Physiol Behav** 1986;36(4):699–705

Hyperthermia induced by open–field stress is blocked by salicylate. Singer R, et al. **Physiol Behav** 1986;36(6):1179–82

Modification of the antitumor action of Corynebacterium parvum by stress. Turney TH, et al. **Physiol Behav** 1986; 37(4):555–8

Litter deficits of socially stressed and low status hamster dams. Wise DA, et al. **Physiol Behav** 1985 Nov;35(5):775–7

Stress–related illness. Where the evidence stands. Khalsa DS. **Postgrad Med** 1985 Nov 1;78(6):217–21

Does stress cause heart attacks? Marmot MG. **Postgrad Med J** 1986 Jul;62(729):683–6

Stress mechanisms in hypertension. Steptoe A. **Postgrad Med J** 1986 Jul;62(729):697–9

Psychosocial factors and blood pressure. Marmot MG. **Prev Med** 1985 Jul;14(4):451–65

Family stress and schizophrenia. Theory and practice. Falloon IR. **Psychiatr Clin North Am** 1986 Mar;9(1):165–82 (32 ref.)

Strike and stress in a maximum security hospital. Vispo RH, et al. **Psychiatr Q** 1986 Summer;57(2):111–20

Conceptualization and measurement of human disorder in life stress research: the problem of chronic disturbance. Depue RA, et al. **Psychol Bull** 1986 Jan;99(1):36–51

Medical school stressors and emotional disturbance. Conte HR, et al. **Psychol Rep** 1985 Dec;57(3 Pt 2):1192–4

A measure of chronic organizational stress. Jenner JR. **Psychol Rep** 1986 Apr;58(2):543–6

Age and types of stress: a comparison of college–age and elderly adults. Kennedy JH. **Psychol Rep** 1985 Aug; 57(1):302

Perceived stress and adolescents cigarette use. Mitic WR, et al. **Psychol Rep** 1985 Dec;57(3 Pt 2):1043–8

Stress–induced recovery of fears and phobias. Jacobs WJ, et al. **Psychol Rev** 1985 Oct;92(4):512–31 (210 ref.)

Cardiovascular reactivity in borderline hypertensives during behavioural and orthostatic stress. Drummond PD. **Psychophysiology** 1985 Nov;22(6):621–8

Caffeine affects cardiovascular responses to stress. Lane JD, et al. **Psychophysiology** 1985 Nov;22(6):648–55

Occupational stress, suppressed anger, and hypertension. Cottington EM, et al. **Psychosom Med** 1986 Mar–Apr; 48(3–4):249–60

Alprazolam reduces stress hyperglycemia in ob/ob mice. Surwit RS, et al. **Psychosom Med** 1986 Mar–Apr; 48(3–4):278–82

The adrenal medulla protects against stress ulcers in the presence of gastric sympathectomy. Hanisch E, et al. **Res Exp Med (Berl)** 1985;185(5):341–4

Psychosocial stress preceding myocardial infarction. Kong SG. **Singapore Med J** 1985 Dec;26(7):510–5

Special occasions, stress, and mortality: do people tend to die during their birth month? Grigsby JS. **Soc Biol** 1985 Spring–Summer;32(1–2):102–14

Unemployment stress: loss of control, reactance and learned helplessness. Baum A, et al. **Soc Sci Med** 1986;22(5):509–16

The stress concept as a problem for a 'theoretical pathology'. Christian P, et al. **Soc Sci Med** 1985;21(12):1363–5

Mental health and satisfaction among tax officers. Cooper CL, et al. **Soc Sci Med** 1985;21(7):747–51

State of health and stress factors in occupation: the mass media profession. Fischer HD. **Soc Sci Med** 1985; 21(12):1367–71

Stress ulceration: importance of blood flow and acid–base balance. Hinder RA. **Surg Annu** 1986;18:95–110 (48 ref.)

[Stress and neurosis] Krajina L. **Cesk Psychiatr** 1985 Oct; 81(5):307–11 (Eng. Abstr.) (Cze)

[A broken heart—fact or fallacy?] Siltanen P. **Duodecim** 1985; 101(21):2083–92 (Fin)

[Does stress ulcer prevention increase the risk of pneumonia in artificial respiration? (letter)] Daschner F, et al. **Anaesthesist** 1986 May;35(5):325 (Ger)

[Loss of predictability and experimental neurosis: solution of simple numerical problems as a function of variation in the predictability of a stressor] Grabitz HJ, et al. **Arch Psychol (Frankf)** 1986;138(1):13–21 (Eng. Abstr.) (Ger)

[Common standards for the study of stress in students in the pedagogic process] Tiefenbach W, et al. **Arztl Jugendkd** 1986 Jun;77(3):163–7 (Eng. Abstr.) (Ger)

[Psychological aspects of nutrition] Paul T, et al. **Bibl Nutr Dieta** 1985;(36):1–10 (Ger)

[Stress in teachers] Biener K. **Fortschr Med** 1986 May 22; 104(20):405–8 (Eng. Abstr.) (Ger)

[Coping with stress as a paradigm of the psychopathology in childhood and adolescence] Reinhard HG. **Fortschr Neurol Psychiatr** 1985 Oct;53(10):384–93 (Eng. Abstr.) (Ger)

[Stress—a risk factor?] Halhuber MJ. **Lebensversicherungsmedizin** 1986 Mar 1;38(2):44–7 (Eng. Abstr.) (Ger)

[Stress and type–A behavior, risk factors for coronary disease? A critical inventory (letter)] Halhuber MJ. **Psychother Psychosom Med Psychol** 1985 Sep;35(9):247–52 (Ger)

[Somatic changes in acute psychiatric stress] Scheuch K, et al. **Z Arztl Fortbild (Jena)** 1985;79(23):1007–10 (Ger)

[Industrial medicine problems in occupations with predominantly mental work] Scheuch K. **Z Gesamte Hyg** 1986 Feb;32(2):119–20 (Eng. Abstr.) (Ger)

[Stress factors in myocardial infarct patients before the appearance of myocardial infarct] Thiele R, et al. **Z Gesamte Inn Med** 1985 Aug 15;40(16):483–8 (Eng. Abstr.) (Ger)

[Criterion–oriented measurement in clinical psychology: development of a test on stress management] Reicherts M. **Z Klin Psychol Psychopathol Psychother** 1985;33(4):313–36 (Eng. Abstr.) (Ger)

[Sudden cardiac death following psychoemotional stress] Penners BM, et al. **Z Rechtsmed** 1986;96(2):151–7 (Eng. Abstr.) (Ger)

[Stress and the onset of diabetes mellitus (editorial)] Kisch ES. **Harefuah** 1985 Oct;109(7–8):210–1 (Heb)

[Clinical aspects of psychosomatic disorders: a study from the viewpoint of Digestive system] Kaji I. **Hokkaido Igaku Zasshi** 1985 Jul;60(4):464–7 (Jpn)

[Effect of anxiolytic drugs on the development and healing process of stress ulcer: application of endoscopic observation] Yoshimura H, et al. **Nippon Yakurigaku Zasshi** 1986 May;87(5):583–97 (Eng. Abstr.) (Jpn)

[Type A behavior as a factor affecting the relations between organizational stress in professional work and somatic illness] Borucki Z. **Pol Tyg Lek** 1985 Nov 18–25; 40(46–47):1291–4 (Pol)

[Psychology of extrapsychiatric health services] Heszen–Klemens I, et al. **Pol Tyg Lek** 1985 Nov 18–25; 40(46–47):1282–4 (Pol)

[Bio–psycho–social sequelae of long–term stress in persons active in the Home Army and People's Army] Krupka–Matuszczyk I, et al. **Przegl Lek** 1986;43(1):14–7 (Pol)

[Etiopathogenesis of psychosomatic diseases—its various concepts] Czubalski K. **Psychiatr Pol** 1985 Nov–Dec; 19(6):483–90 (35 ref.) (Pol)

[The hyperventilation syndrome] Kość B. **Psychiatr Pol** 1985 Jan–Feb;19(1):61–6 (40 ref.) (Pol)

[Significance of the concepts of stress and behavioral type in epidemiologic population research on cardiovascular diseases] Ivan A, et al. **Rev Med Chir Soc Med Nat Iasi** 1985 Jul–Sep;89(3):537–41 (0 ref.) (Rum)

[Accumulation of 99mTc–pyrophosphate and structural changes in cardiac muscle during pharmacologic correction of stress injuries of the heart] Malyshev VV, et al. **Arkh Patol** 1986;48(6):20–3 (Eng. Abstr.) (Rus)

[Neuroendocrine mechanisms of participation of the raphe nuclei in the development of hypertensive reactions in emotional stress] Amiragova MG, et al. **Biull Eksp Biol Med** 1986 Aug;102(8):145–8 (Eng. Abstr.) (Rus)

[Rheoencephalographic indices of adaptive reactions to neuropsychological loading in healthy subjects and in vascular pathology of the brain] Mikhallova IM. **Fiziol Cheloveka** 1986 Jan–Feb;12(1):125–32 (Rus)

[Role of the nervous factor in the development of pathology of the internal organs as a result of exposing the body to extremely stressful treatment] Zavodskaia IS, et al. **Fiziol Zh SSSR** 1986 Jan;72(1):83–92 (34 ref.) (Eng. Abstr.) (Rus)

[Clinico–psychological examination of women with hypertension] Andreev NA, et al. **Kardiologiia** 1986 Mar; 26(3):100–1 (Rus)

[Dynamics of cyclase systems and hormonal indices in patients with ischemic heart disease in a state of emotional stress] Sokolov EI, et al. **Kardiologiia** 1986 Feb;26(2):51–5 (Eng. Abstr.) (Rus)

[Mechanisms of the development of the terminal state in experimental emotional stress] Ul'ianinskil LS, et al. **Kardiologiia** 1986 May;26(5):71–5 (Eng. Abstr.) (Rus)

[Role of anesthesia in the prevention of postoperative erosions and ulcers of the gastrointestinal system] Chepkil LP, et al. **Klin Khir** 1985;(12):36–41 (70 ref.) (Rus)

[Psychopathological disorders in patients with stomach ulcer] Gal'perina LE, et al. **Klin Med (Mosk)** 1986 Jun;64(6):69–73 (Rus)

[Intermittent hydrarthrosis in patients with cerebral vegetative disorders] Gordon IB. **Klin Med (Mosk)** 1985 Aug;63(8):121–3 (Eng. Abstr.) (Rus)

[Use of rhesus macaques in studying the mechanisms of development of primary arterial hypertension] Martin G, et al. **Vestn Akad Med Nauk SSSR** 1986;(3):33–7 (Eng. Abstr.) (Rus)

[Psychological influences in gastrointestinal ulcer disease] Castro Fornieles J, et al. **Med Clin (Barc)** 1985 Nov 2; 85(14):581–3 (Spa)

DIAGNOSIS

Adaptation of the Questionnaire on Resources and Stress–Short Form. Salisbury CL. **Am J Ment Defic** 1986 Jan;90(4):456–9

Post–traumatic stress disorder after car accidents. Kuch K, et al. **Can J Psychiatry** 1985 Oct;30(6):426–7

Cinderella's stepmother syndrome. Morrison K, et al. **Can J Psychiatry** 1985 Nov;30(7):521–9

Implementation of a family stress checklist. Orkow B. **Child Abuse Negl** 1985;9(3):405–10

A Global Assessment of Recent Stress (GARS) Scale. Linn MW. **Int J Psychiatry Med** 1985–86;15(1):47–59

The stresses of psychotherapeutic work: a replication and extension. Hellman ID, et al. **J Clin Psychol** 1986 Jan; 42(1):197–205

Validity of the Maslach Burnout Inventory for family practice physicians. Rafferty JP, et al. **J Clin Psychol** 1986 May;42(3):488–92

Modifiers and Perceived Stress Scale. Linn MW. **J Consult Clin Psychol** 1986 Aug;54(4):507–13

Stressor inventory for persons with epilepsy. Snyder M. **J Neurosci Nurs** 1986 Apr;18(2):71–3

Postoperative stress. Do nurses accurately assess their patients? Ross SE, et al. **J Psychosoc Nurs Ment Health Serv** 1986 Apr;24(4):16–22

Validity of the Barksdale Personal Stress Evaluation. Wurtz PJ, et al. **Percept Mot Skills** 1986 Feb;62(1):34

Phonocardiographic changes induced by neuropsychic stress. Ionescu V, et al. **Physiologie** 1985 Oct–Dec;22(4):249–55

Note on reliability of the Teacher Stress Inventory. Fimian MJ. **Psychol Rep** 1986 Aug;59(1):275–8

Strain–producing aspects of life events. Lubin B, et al. **Psychol Rep** 1985 Aug;57(1):259–62

[Differential diagnosis and treatment of the professional burnout syndrome] Grantham H. **Ann Med Psychol (Paris)** 1985 Sep–Oct;143(8):776–81 (Fre)

[Comparison of the psychoemotional stress test with the veloergometry test in patients with ischemic heart disease] Sidorenko BA, et al. **Ter Arkh** 1985;57(10):101–5 (Rus)

DRUG THERAPY

Evaluating the stress–buffering role of alcohol consumption: variation by type of event and type of symptom. Neff JA. **Alcohol Alcohol** 1985;20(4):391–401

Hypnotic efficacy in acute stress: objective and subjective evaluation. Wickstrom E. **Clin Neuropharmacol** 1985;8 Suppl 1:S97–100

Beta–blockers and psychic stress: a double–blind, placebo–controlled study of bopindolol vs lorazepam and butalbital in surgical patients. Chierichetti SM, et al. **Int J Clin Pharmacol Ther Toxicol** 1985 Sep;23(9):510–4

Effects of ethanol on cardiovascular and catecholamine responses to mental stress. Eisenhofer G, et al. **J Psychosom Res** 1986;30(1):93–102

The effects of putative anxiolytic compounds (PK 8165, PK 9084 and tracazolate) on the rat corticosterone response. File SE, et al. **Physiol Behav** 1985 Oct;35(4):583–6

Psychological problems, analgesic nephropathy and substance–use disorder. Schlebusch L, et al. **S Afr Med J** 1985 Dec 21;68(13):912

[State of the peripheral catecholaminergic systems during pharmacologic correction of immobilization stress using sodium oxybutyrate] Khaĭsman EB, et al. **Biull Eksp Biol Med** 1985 Sep;100(9):317–9 (Eng. Abstr.) (Rus)

[Effect of enkephalins on morphologic and hormonal manifestations of the stress reaction] Lishmanov IuB, et al. **Patol Fiziol Eksp Ter** 1985 Sep–Oct;(5):14–7 (Eng. Abstr.) (Rus)

[Antistress and antineurotic action of psychotropic preparations in experiments on monkeys] Startsev VG, et al. **Vestn Akad Med Nauk SSSR** 1986;(3):30–3 (Eng. Abstr.) (Rus)

[Therapeutic action of an antioxidant in chronic emotional–pain stress in the rat] Alrapetiants MG, et al. **Zh Vyssh Nerv Deiat** 1986 May–Jun;36(3):554–60 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Effect of stress and glucocorticoids on the gastrointestinal cholinergic enzymes. Oriaku ET, et al. **Arch Int Pharmacodyn Ther** 1986 Mar;280(1):136–44

The effects of stress and relaxation on oral digestion of a complex carbohydrate food. Morse DR, et al. **Int J Psychosom** 1985;32(3):20–7

[Change in the RNA polymerase activity in heart and liver

cells during immobilization stress] Iavich MP, et al. **Biull Eksp Biol Med** 1985 Sep;100(9):277–9 (Eng. Abstr.) (Rus)

[Tryptophan hydroxylase activity in the brain of inbred mice and the resistance of the gastric mucosa to emotional stress] Koriakina LA, et al. **Patol Fiziol Eksp Ter** 1986 Mar–Apr; (2):49–53 (Eng. Abstr.) (Rus)

[NADH–vanadate–oxidoreductase in emotional–pain stress and its possible role in the regulation of Na+–K+–ATPase activity] Iakushev VS, et al. **Ukr Biokhim Zh** 1985 Nov–Dec;57(6):34–8 (Eng. Abstr.) (Rus)

ETIOLOGY

A stressor unique to married female physicians [letter] McKay MB, et al. **Am J Psychiatry** 1986 Jan;143(1):114

Stress factors in children [letter] Jessop DJ. **Am J Public Health** 1986 Oct;76(10):1252

Psychological consequences of infestation of the dwelling unit. Zahner GE, et al. **Am J Public Health** 1985 Nov; 75(11):1303–7

Occupational stress within the paramedic profession: an initial report of stress levels compared to hospital employees. Hammer JS, et al. **Ann Emerg Med** 1986 May;15(5):536–9

Cardiopulmonary resuscitation (CPR) training. Consequences for family members of high-risk cardiac patients. Dracup K, et al. **Arch Intern Med** 1986 Sep; 146(9):1757–61

Stress and anxiety. McGorry P, et al. **Aust Fam Physician** 1985 Sep;14(9):858–9, 862–3

Oil wives and intermittent husbands. Morrice JK, et al. **Br J Psychiatry** 1985 Nov;147:479–83

Families who care [editorial] Livingston MG. **Br Med J [Clin Res]** 1985 Oct 5;291(6500):919–20

Psychological distress among women with breast problems. Romsaas EP, et al. **Cancer** 1986 Feb 15;57(4):890–5

Dietary habits and blood chemistry levels of the stress–prone individual: the hot reactor. McKinney ME, et al. **Compr Ther** 1985 Aug;11(8):21–8

Intensive care unit: how stressful for physicians? Eisendrath SJ, et al. **Crit Care Med** 1986 Feb;14(2):95–8

Impoverished rearing conditions increase stress–induced irritability in mice. Riittinen ML, et al. **Dev Psychobiol** 1986 Mar;19(2):105–11

An evaluation of the effects of shift rotation on nurses' stress, coping and strain. Milne D, et al. **Int J Nurs Stud** 1986; 23(2):139–46

Impact of a dietary change on emotional distress. Christensen L, et al. **J Abnorm Psychol** 1985 Nov;94(4):565–79

Stress and social facilitation: the effects of the presence of an instructor on student nurses' behaviour. Kushnir T. **J Adv Nurs** 1986 Jan;11(1):13–9

Women physicians: casualties of organizational stress. Brown SL, et al. **J Am Med Wom Assoc** 1986 May–Jun;41(3):79–81

Role stress in medical education: a literary perspective. Poirier S. **J Am Med Wom Assoc** 1986 May–Jun;41(3):82–6

Stress in social and family relationships during the medical residency. Landau C, et al. **J Med Educ** 1986 Aug; 61(8):654–60

Personal assessment of stress factors for college students. Bush HS, et al. **J Sch Health** 1985 Nov;55(9):370–5

Stress and cancer surveys [letter] Chilvers C, et al. **Lancet** 1986 Jun 21;1(8495):1446

Taking birth trauma seriously. Riedlinger T, et al. **Med Hypotheses** 1986 Jan;19(1):15–25

Heart ailments and workplace stress mistakenly called occupational diseases [editorial] Strasser AL. **Occup Health Saf** 1985 Sep;54(9):59

How does stress exert its effects—smoking, diet and obesity, physical activity? Kornitzer M, et al. **Postgrad Med J** 1986 Jul;62(729):695–6

Stress in casino floor employees. Posner I, et al. **Psychol Rep** 1985 Aug;57(1):246

Internship: what is stressful? Ford CV, et al. **South Med J** 1986 May;79(5):595–9

Life change stress factors in hospitalized otolaryngologic patients. Richmond EJ, et al. **South Med J** 1986 Sep; 79(9):1113–5

[Stress factors in the human–machine interaction in visual display terminal jobs] Melino C, et al. **Clin Ter** 1985 Nov 30;115(4):301–5 (Ita)

[Mental load of robot operation upon workers] Okada Y. **Sangyo Ika Daigaku Zasshi** 1986 Mar 20;8 Suppl:205–12 (Eng. Abstr.) (Jpn)

[Symptoms of work fatigue in gynecologists and obstetricians] Nowacki H, et al. **Ginekol Pol** 1985 Dec; 56(12):786–90 (Eng. Abstr.) (Pol)

[The physician's place of work and the feeling of work–related psychological stress] Dudek B, et al. **Pol Tyg Lek** 1986 Mar 31;41(13):429–32 (Pol)

[Role of the monoaminergic system and steroid–producing glands in the development of emotional stress and the pathogenesis of arterial hypertension in monkeys] Chirkov AM, et al. **Kardiologiia** 1986 Jan;26(1):49–54 (Eng. Abstr.) (Rus)

[Characteristics of the psychoemotional reactions in children starting school education at the age of 6] Pereladova OL, et al. **Pediatriia** 1985 Oct;(10):44–6 (Eng. Abstr.) (Rus)

FAMILIAL & GENETIC

Twin similarity in cardiovascular stress response. Carmelli D, et al. **Health Psychol** 1985;4(5):413–23

[Effect of emotional stress on the frequency of recombination in chromosome 1 of the domestic mouse] Borodin PM, et al. **Dokl Akad Nauk SSSR** 1986;286(3):726–8 (Rus)

[Effect of emotional stress on the frequency of meiotic abnormalities in male mice] Gorlov IP, et al. **Genetika** 1986 Jun;22(6):1019–24 (Eng. Abstr.) (Rus)

[Relation between DNA transcription and repair in stress] Meerson FZ, et al. **Vopr Med Khim** 1986 Jan–Feb; 32(1):107–10 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Stress–associated changes in plasma immunoglobulin levels. Glaser R, et al. **Int J Psychosom** 1986;33(2):41–2

Modulation of cellular immunity in medical students. Kiecolt–Glaser JK, et al. **J Behav Med** 1986 Feb;9(1):5–21

Can mind affect body defenses against disease? Nascent specialty offers a host of tantalizing clues [news] Riesenberg DE. **JAMA** 1986 Jul 18;256(3):313, 317

Stress and immune responses. II. Identification of stress–sensitive cells in murine spleen cells. Okimura T, et al. **Jpn J Pharmacol** 1986 Apr;40(4):513–25

Stress and immune responses. I. Suppression of T cell function in restraint–stressed mice. Okimura T, et al. **Jpn J Pharmacol** 1986 Apr;40(4):505–11

Stress and immune responses. III. Effect of restraint stress on delayed type hypersensitivity (DTH) response, natural killer (NK) activity and phagocytosis in mice. Okimura T, et al. **Jpn J Pharmacol** 1986 Jun;41(2):229–35

Stress and immune responses. IV. Adrenal involvement in the alteration of antibody responses in restraint–stressed mice. Okimura T, et al. **Jpn J Pharmacol** 1986 Jun; 41(2):237–45

Stress effects on immunity. Schleifer SJ, et al. **Psychiatr J Univ Ottawa** 1985 Sep;10(3):125–31 (52 ref.)

Stress–related impairments in cellular immunity. Glaser R, et al. **Psychiatry Res** 1985 Nov;16(3):233–9

[Humoral immunity and anesthesiologic–surgical stress] Manieri R, et al. **Ann Ital Chir** 1985;57(2):89–100 (Eng. Abstr.) (Ita)

[Immunological aspects of surgical stress] Gadalov VP. **Anesteziol Reanimatol** 1985 May–Jun;(3):69–72 (103 ref.) (Rus)

[Role of the cAMP/cGMP ratio in the post–stress activation of the primary immune response] Frolov BA, et al. **Patol Fiziol Eksp Ter** 1985 Sep–Oct;(5):23–6 (Eng. Abstr.) (Rus)

[Effect of ketamine anesthesia and stress due to bronchoscopy on immunity indices of cancer and noncancer patients] Gadalov VP, et al. **Vestn Akad Med Nauk SSSR** 1986; (6):91–5 (Eng. Abstr.) (Rus)

[Cellular and humoral immunity in cosmonauts as affected by space flight factors] Konstantinova IV, et al. **Vestn Akad Med Nauk SSSR** 1985;(8):51–8 (Eng. Abstr.) (Rus)

[Stress–induced disorders in the antitumor immunity system and their limitation by stress–limiting factors] Meerson FZ, et al. **Vestn Akad Med Nauk SSSR** 1985;(8):23–9 (Eng. Abstr.) (Rus)

[Effect of hexenal anesthesia and stress due to bronchoscopy on immunity indices in cancer and noncancer patients] Neprina GS, et al. **Vestn Akad Med Nauk SSSR** 1986; (6):87–91 (Eng. Abstr.) (Rus)

[Neuroimmune reactions during emotional stress in normal subjects] Semenov SF, et al. **Vestn Akad Med Nauk SSSR** 1985;(8):38–43 (Eng. Abstr.) (Rus)

[Effect of immobilization stress on the course of experimental influenza infection and the process of interferon formation] Frolov BA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Mar;(3):53–6 (Eng. Abstr.) (Rus)

[Effect of experimental information and emotional stress on the primary immune response of different strains of mice] Ozherelkov SV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Aug;(8):43–6 (Eng. Abstr.) (Rus)

METABOLISM

The patterns of endocrine response to surgical stress during different types of anesthesia and surgery in man. Malatinsky J, et al. **Acta Anaesthesiol Belg** 1986;37(1):23–32

Social stress increases [14C]2–deoxyglucoae incorporation in three rostral forebrain areas of the young chick. Müller SC, et al. **Behav Brain Res** 1986 Jan;19(1):93–8

Emotional stress and diabetic control: a postulated model for the effect of emotional distress upon intermediary metabolism in the diabetic. Evans MB. **Biofeedback Self Regul** 1985 Sep;10(3):241–54

Adenosine receptor activation in brain reduces stress–induced ulcer formation. Geiger JD, et al. **Eur J Pharmacol** 1985 Sep 24;115(2–3):185–90

Enduring enhancement in amphetamine–stimulated striatal dopamine release in vitro produced by prior exposure to amphetamine or stress in vivo. Wilcox RA, et al. **Eur J Pharmacol** 1986 May 27;124(3):375–6

Sex hormones and stress in the human male. Christiansen K, et al. **Horm Behav** 1985 Dec;19(4):426–40

Effect of stress administered during pregnancy on the development of fetal testes and their subsequent function in the adult rat. Pollard I, et al. **J Endocrinol** 1985 Nov; 107(2):241–5

Effect of short–term swimming stress and diazepam on 3,4–dihydroxyphenylacetic acid (DOPAC) and 5–hydroxyindoleacetic acid (5–HIAA) levels in the caudate nucleus: an in vivo voltammetric study. Ikeda M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Oct; 331(1):23–6

Effects of 6–hydroxydopamine–induced lesions of the paraventricular nucleus, and of prazosin, on the corticosterone response to restraint in rats. Gibson A, et al. **Neuropharmacology** 1986 Mar;25(3):257–60

An increase in tryptophan in brain may be a general mechanism for the effect of stress on sensitivity to pain. Kelly SJ, et al. **Neuropharmacology** 1985 Nov; 24(11):1019–25

Effects of food, mild stress, and distributed intake on the absorption and plasma concentration–time profile of orally ingested ethanol in pigtailed macaques. Kalhorn TF, et al. **Pharmacol Biochem Behav** 1986 Mar;24(3):491–6

Hypophysial GABA after ether stress, dexamethasone or inhibition of GABA catabolism. Manev H, et al. **Pharmacol Biochem Behav** 1985 Nov;23(5):697–700

Brain histamine regulation following chronic diazepam treatment and stress. Mazurkiewicz–Kwilecki IM, et al. **Pharmacol Biochem Behav** 1986 Mar;24(3):513–7

Effects of preshock experience on enhancement of rat brain noradrenaline turnover induced by psychological stress. Tsuda A, et al. **Pharmacol Biochem Behav** 1986 Jan; 24(1):115–9

Gastric mucosal protection during restraint stress: histologically identifiable gastric mucosal glycosaminoglycan content in albino rats. Somasundaram K, et al. **Physiol Bohemoslov** 1986;35(1):94–6

The effects of postnatal handling on the development of the glucocorticoid receptor systems and stress recovery in the rat. Meaney MJ, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1985; 9(5–6):731–4

High sensitivity of brain octopamine levels to stress. Ennaceur A, et al. **Psychopharmacology (Berlin)** 1986; 88(3):305–9

Children's adrenocortical responses to classroom activities and tests in elementary school. Tennes K, et al. **Psychosom Med** 1985 Sep–Oct;47(5):451–60

[Catecholamines and mental stress] Christensen NJ. **Ugeskr Laeger** 1986 Jan 27;148(5):233–7 (Eng. Abstr.) (Dan)

[Analysis of the spectrum of ACTH–immunoreactive peptides in the brain of inbred mice] Fedoseev IuL, et al. **Biull Eksp Biol Med** 1986 Aug;102(8):177–81 (Eng. Abstr.) (Rus)

[Effect of chronic psychogenic stress on the characteristics of synaptic membrane receptors in the rat brain] Nikuradze VO, et al. **Biull Eksp Biol Med** 1985 Sep;100(9):275–7 (Eng. Abstr.) (Rus)

[Concentration of electrolytes in the blood and water of the body during emotional and painful stress] Iakushev VS, et al. **Fiziol Zh** 1986 May–Jun;32(3):363–7 (Eng. Abstr.) (Rus)

[Calcium balance in emotional–painful stress] Iakushev VS, et al. **Fiziol Zh** 1985 Nov–Dec;31(6):683–8 (Eng. Abstr.) (Rus)

[Characteristics of the reactions of various parts of the digestive tract to acute emotional–painful stress in mature and aged rats] Tarasenko LM, et al. **Fiziol Zh** 1986 Mar–Apr;32(2):203–6 (Eng. Abstr.) (Rus)

[Emotional stress–induced changes in catecholamines in the nuclei of the brains of rats differing in "open–field" behavior] Belova TI, et al. **Fiziol Zh SSSR** 1985 Jul;71(7):813–22 (Eng. Abstr.) (Rus)

[Catecholamines in nuclei of the brains of the August strain rat during immobilization stress] Ivanova TM, et al. **Fiziol Zh SSSR** 1985 Jul;71(7):823–8 (Eng. Abstr.) (Rus)

[Decreased creatine phosphokinase activity in the myocardium during stress] Golubeva LIu, et al. **Kardiologiia** 1986 May;26(5):108–9 (Rus)

[Effect of intensive operator activity on lipid peroxidation processes in the human body] Ivanova SM, et al. **Kosm Biol Aviakosm Med** 1986 Jan–Feb;20(1):20–2 (Eng. Abstr.) (Rus)

[Indicators of carbohydrate and lipid metabolism in rats during the readaptation period after 30–day hypokinesia] Potapov PP, et al. **Kosm Biol Aviakosm Med** 1986 May–Jun;20(3):85–7 (Rus)

[Intensity of lipid peroxidation in the tissues of rats during hypokinesia] Shidlovskaia TE. **Kosm Biol Aviakosm Med** 1985 Jul–Aug;19(4):45–8 (Eng. Abstr.) (Rus)

[Effect of long–term space flight on polyamine levels in the rat brain] Tigranian RA, et al. **Kosm Biol Aviakosm Med** 1986 May–Jun;20(3):53–7 (Eng. Abstr.) (Rus)

[Effect of 24,25–dihydroxycholecalciferol on amino acid metabolism in rats during hypokinesia] Vlasova TF, et al. **Kosm Biol Aviakosm Med** 1985 Sep–Oct;19(5):88–9 (Rus)

[Monoaminergic structures of the hypothalamus in chronic stress] Konstantinova MS, et al. **Probl Endokrinol (Mosk)** 1985 Jul–Aug;31(4):49–51 (Eng. Abstr.) (Rus)

[Effect of acute stress on the fatty acid composition of lipids of adrenal and heart mitochondria in rabbits] Mandrik KA, et al. **Probl Endokrinol (Mosk)** 1985 Jul–Aug;31(4):61–4 (Eng. Abstr.) (Rus)

OCCURRENCE

Postgraduate medical training, stress, and marriage. Kelner M, et al. **Can J Psychiatry** 1986 Feb;31(1):22–4

'Actions not as planned' in military air-traffic control. Langan-Fox CP, et al. **Ergonomics** 1985 Nov; 28(11):1509–21

Hospitalization on the high-risk maternity unit. A pilot study. Kramer PD, et al. **Gen Hosp Psychiatry** 1986 Jan;8(1):33–9

Endodontic burnout. Burns RC. **Int J Psychosom** 1986; 33(2):17–23

Men, women, and religion: stress within leadership roles. Rayburn CA, et al. **J Clin Psychol** 1986 May;42(3):540–6

The distribution of distress among elders. Feinson MC, et al. **J Gerontol** 1986 Mar;41(2):225–33

Occupational stress in special education: a challenge for school health professionals. Falck VT, et al. **J Sch Health** 1985 Sep;55(7):258–61

A survey of stress at work. Cooper CL, et al. **J Soc Occup Med** 1986 Summer;36(2):71–2

[Burnout: an anthropological perspective] Corin E, et al. **Ann Med Psychol (Paris)** 1985 Jul;143(7):621–7 (Fre)

[Note on the incidence of professional burnout syndrome in nonpsychiatrist physicians] Saucier JF. **Ann Med Psychol (Paris)** 1985 Jul;143(7):618–20 (Fre)

[Changes in maternal stress with the age of her developmentally disabled child—comparison between mentally retarded and autistic children using cross-sectional data] Uemura K, et al. **Shinrigaku Kenkyu** 1985 Oct;56(4):233–7 (Eng. Abstr.) (Jpn)

[Psychophysiologic characteristics of the work of the staff of resuscitation and intensive care units] Matiukhin VV, et al. **Gig Tr Prof Zabol** 1985 Dec;(12):16–9 (Eng. Abstr.) (Rus)

[Psychoemotional strain on pilots prior to ejection and its role in adequate performance] Kozlovskii AP, et al. **Kosm Biol Aviakosm Med** 1986 Jan–Feb;20(1):16–9 (Eng. Abstr.) (Rus)

[Genotypical and seasonal aspects of the development of neurogenic dystrophy of the stomach and reactions of the pituitary-adrenal system during emotional stress in mice] Koriakina LA. **Patol Fiziol Eksp Ter** 1985 Sep–Oct; (5):17–21 (Eng. Abstr.) (Rus)

PATHOLOGY

Impact of psychosocial stress on pineal structure of male gerbils (Meriones unguiculatus, cricetidae). Heinzeller T. **J Pineal Res** 1985;2(2):145–59

Ultrastructural changes in the brain of rats that have suffered acute emotional stress. Bogolepov NN, et al. **Neurosci Behav Physiol** 1985 Jul–Aug;15(4):284–90

[Histochemical, fluorescent autoradiographic study of paraganglion cells in the superior cervical ganglion of the newborn rat following maternal stress] Heym C, et al. **Acta Histochem [Suppl] (Jena)** 1986;32:59–62 (Eng. Abstr.) (Ger)

[Changes in the adrenal medulla of the rat during immobilization stress] Shvalev VN, et al. **Arkh Anat Gistol Embriol** 1985 Aug;89(8):97–102 (Eng. Abstr.) (Rus)

[Gastric stress ulcer occurring after truncal vagotomy with pyloroplasty] Petrik EI, et al. **Klin Khir** 1985;(8):74 (Rus)

[Combined effect of stress factors at the level of spinal reflex arc structures] Furdui FI, et al. **Kosm Biol Aviakosm Med** 1985 Sep–Oct;19(5):92–5 (Rus)

[Morphometric analysis of aortic endothelium and blood serum lipids in hypokinetic rats] Gansburgskii AN, et al. **Kosm Biol Aviakosm Med** 1986 May–Jun;20(3):82–3 (Rus)

[Roentgenological and pathomorphological changes in the canine heart during 6-months hypokinesia] Krasnykh IG, et al. **Kosm Biol Aviakosm Med** 1985 Sep–Oct;19(5):41–6 (Eng. Abstr.) (Rus)

[Effect of 24,25-dihydroxyvitamin D3 on precursor cells of osteogenesis in immobilized rats] Shvets VN, et al. **Kosm Biol Aviakosm Med** 1985 Jul–Aug;19(4):48–53 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Cerebral lateralization of emotional reaction in rats during different emotional pressures. Bianki VL, et al. **Int J Neurosci** 1986 Jun;29(3–4):265–79

Biochemical and behavioral correlates of chronic stress: effects of tricyclic antidepressants. Sobolosky JS, et al. **Pharmacol Biochem Behav** 1986 May;24(5):1361–8

PHYSIOPATHOLOGY

Induced psychophysiological stress reactions in patients suffering from myocardial infarction and peptic ulcer. Koller M, et al. **Act Nerv Super (Praha)** 1986 Jun; 28(2):123–8

Psychological predictors of pruritus during mental stress. Fjellner B, et al. **Acta Derm Venereol (Stockh)** 1985; 65(6):504–8

CRF and catecholamines; their place in the central and peripheral regulation of the stress response. Tilders FJ, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;276:63–75

Effects of stress on the activity of the pituitary-gonadal axis and brain serotonin. Chomicka LK. **Acta Physiol Pol** 1984; 35 Suppl 27:103–12 (101 ref.)

Effect of some drugs, experimental stress and estrus on unstable and fixed conditioned alimentary motor reflexes in cats. Part IV. Medek A. **Acta Univ Palacki Olomuc Fac Med** 1985;112:121–31

Stress and GABAergic transmission: biochemical and behavioural studies. Corda MG, et al. **Adv Biochem Psychopharmacol** 1986;41:121–36

The effect of food and water deprivation on post-stress analgesia in mice and levels of beta-endorphin and dynorphin in blood plasma and hypothalamus. Konecka AM, et al. **Arch Int Physiol Biochim** 1985 Nov;93(4):279–84

Influence of temperature, social, and dietary stress on development and stability of protective microflora in chickens against S. typhimurium. Weinack OM, et al. **Avian Dis** 1985 Oct–Dec;29(4):1177–83

Disturbance of contractile function of vena portae in stress and infarction and its prevention. Meerson FZ, et al. **Basic Res Cardiol** 1985 Jul–Aug;80(4):407–16

Comparison of the effects of morphine and immobilization stress on discrimination performance of rats. Grilly DM, et al. **Behav Neurosci** 1986 Aug;100(4):512–24

Somatic response to stress, physical symptoms and health service use. Frost RO, et al. **Behav Res Ther** 1986; 24(5):569–76

A model of the eustress system for health/illness. Milsum JH. **Behav Sci** 1985 Oct;30(4):179–86

Military induction, stress, and DST [letter] Magyar I, et al. **Biol Psychiatry** 1986 Sep;21(11):1102–3

Vascular responses in headache-prone subjects during stress. Drummond PD. **Biol Psychol** 1985 Aug;21(1):11–25

Psychophysiological response specificities: a replication over a 12-month period. Foerster F. **Biol Psychol** 1985 Nov; 21(3):169–82

The effects of anticipatory stress on heart rate and T-wave amplitude revisited: a reply to Furedy and Heslegrave. Penzien DB, et al. **Biol Psychol** 1985 Nov;21(3):229–31

Cardiovascular and neuroendocrine responses to behavioral stress after central or peripheral barodenervation in rats. Buchholz RA, et al. **Brain Res** 1986 Feb 19;365(2):360–4

Dynamics of cholinergic synaptic mechanisms in rat hippocampus after stress. Finkelstein Y, et al. **Brain Res** 1985 Sep 23;343(2):314–9

Pharmacological studies on stress-induced renin and prolactin secretion: effects of benzodiazepines, naloxone, propranolol and diisopropyl fluorophosphate. Van de Kar LD, et al. **Brain Res** 1985 Oct 21;345(2):257–63

Adrenaline and stress-induced increases in blood pressure in rats. Majewski H, et al. **Clin Exp Pharmacol Physiol** 1986 Apr;13(4):283–8

Mild mental stress in diabetes: changes in heart rate and subcutaneous blood-flow. Hildebrandt P, et al. **Clin Physiol** 1985 Aug;5(4):371–6

Beta-adrenoceptor responsiveness and plasma catecholamines as determinants of cardiovascular reactivity to mental stress. Eisenhofer G, et al. **Clin Sci** 1985 Oct; 69(4):483–92

Some observations on the influence of stress on ECG patterns in Oreochromis mossambicus and Cyprinus carpio. Barham WT, et al. **Comp Biochem Physiol [A]** 1985;82(3):549–52

Glucocorticoids facilitate the retention of acquired immobility during forced swimming. Veldhuis HD, et al. **Eur J Pharmacol** 1985 Sep 24;115(2–3):211–7

Immobilization stress not necessarily fatal for aged rats [letter] Paré WP. **Exp Aging Res** 1985 Autumn–Winter; 11(3–4):179–81

Effects of different types of stress and of "prokinetic" drugs on the control of the fasting motor complex in humans. Valori RM, et al. **Gastroenterology** 1986 Jun;90(6):1890–900

Isolation of additional informative cues in the peripheral pulse signal for human operator function evaluation. Desova AA, et al. **Hum Physiol** 1985 Mar–Apr;11(2):82–9

Effect of strenuous mental work under stressed conditions on cardiac activity, hemodynamics, and cerebral circulation. Fedorov BM, et al. **Hum Physiol** 1986 Jan–Feb; 12(1):50–6

Effect of disturbances of the cerebral blood supply on evoked potentials and adaptive responses to mental work. Klimova-Cherkasova VI, et al. **Hum Physiol** 1985 Mar–Apr;11(2):94–102

Assessment of emotional stress during work activity by systems analysis of the galvanic skin reflex. Rakov GK, et al. **Hum Physiol** 1985 May–Jun;11(3):215–20

Temporal stability of psychophysiological responding: a comparative analysis of mental and physical stressors. Faulstich ME, et al. **Int J Neurosci** 1986 Aug;30(1–2):65–72

The effect of noise interference, type of cognitive stressor, and order of task on cardiovascular activity. Linden W, et al. **Int J Psychophysiol** 1985 Jul;3(1):67–74

Graded mental arithmetic as an active psychological challenge. Turner JR, et al. **Int J Psychophysiol** 1986 Mar; 3(4):307–9

Saliva as an indicator of stress. Ben-Aryeh H, et al. **Int J Psychosom** 1985;32(3):3–8

On the hyperreactivity of type A's. Schmieder R, et al. **Int J Psychosom** 1986;33(2):4–8

Individual differences in the stress-response-dampening effect on alcohol: a dose-response study. Sher KJ, et al. **J Abnorm Psychol** 1986 May;95(2):159–67

Distress and DNA repair in human lymphocytes. Kiecolt-Glaser JK, et al. **J Behav Med** 1985 Dec; 8(4):311–20

Symptom correlates of blood pressure: a replication and reanalysis. Stewart HL, et al. **J Behav Med** 1986 Jun; 9(3):271–89

Cardiovascular responses in type A and type B men to a series of stressors. Ward MM, et al. **J Behav Med** 1986 Feb;9(1):43–9

Relationship of stress and performance among first-year dental students. Westerman GH, et al. **J Dent Educ** 1986 May;50(5):264–7

Effect of experimentally induced stress on vocal parameters. Tolkmitt FJ, et al. **J Exp Psychol [Hum Percept]** 1986 Aug; 12(3):302–13

Stress-induced suppression of testosterone secretion in male alligators. Lance VA, et al. **J Exp Zool** 1986 Aug; 239(2):241–6

Racial differences in cardiovascular reactivity to mental stress in essential hypertension. Fredrikson M. **J Hypertens** 1986 Jun;4(3):325–31

Stress, autonomic hyperactivity and essential hypertension: an enigma. Julius S, et al. **J Hypertension [Suppl]** 1985 Dec; 3(4):S11–7

Interaction between mental stress and baroreceptor control of heart rate and sympathetic activity in conscious spontaneously hypertensive (SHR) and normotensive (WKY) rats. Lundin S, et al. **J Hypertension [Suppl]** 1983 Dec;1(2):68–70

Heart rate reactivity under mental stress as a predictor of blood pressure development in children. von Eiff AW, et al. **J Hypertension [Suppl]** 1985 Dec;3(4):S89–91

Effect of ginseng-20S-prosapogenin on tissue blood flow measured by the hydrogen clearance method in sympathicotonic- or parasympathicotonic-type stressed mice. Hata T, et al. **J Pharmacobiodyn** 1985 Dec; 8(12):1068–72

Gastric mucosal erosion due to a mucosal ischemia produced by thromboxane A2-like substance in rats under water-immersion stress. Kitagawa H, et al. **J Pharmacol Exp Ther** 1986 Apr;237(1):300–4

Psychological predictors of neuroendocrine responses to mental stress. Arnetz BB, et al. **J Psychosom Res** 1986; 30(3):297–305

Cardiovascular response as a function of predisposition, coping behavior and stimulus type. Linden W. **J Psychosom Res** 1985;29(6):611–20

Body temperature dependency of gastric regional blood flow, acid secretion and ulcer formation in restraint and water-immersion stressed rats. Arai I, et al. **Jpn J Pharmacol** 1986 Apr;40(4):501–4

Diversity of underlying mechanisms in the production of analgesic and pentobarbital-hypnosis prolonging effects of various analgesic drugs and stresses. Hanada S, et al. **Jpn J Pharmacol** 1985 Sep;39(1):117–9

Changes of tissue blood flow in mice loaded with SART (repeated cold) stress or restraint and water immersion stress and the effect of administered neurotropin. Hata T, et al. **Jpn J Pharmacol** 1986 May;41(1):69–79

State-dependent effects of beta-endorphin on core temperature in stressed and non-stressed rats. Tanaka M, et al. **Jpn J Pharmacol** 1985 Nov;39(3):395–7

The irritable bowel syndrome: a paroxysmal motor disorder. Kumar D, et al. **Lancet** 1985 Nov 2;2(8462):973–7

Effects of essential fatty acid administration on cardiovascular responses to stress in the rat. Mills DE, et al. **Lipids** 1986 Feb;21(2):139–42

Novelty of the test environment contributes to the expression of triethyl lead-induced antinociception. Walsh TJ, et al. **Neurobehav Toxicol Teratol** 1986 May–Jun;8(3):311–5

Stress-specific modulation of ACTH secretion by oxytocin. Gibbs DM. **Neuroendocrinology** 1986;42(6):456–8

The ability of PK 8165, a quinoline derivative, to reduce responses to a stressful situation in a double-blind study in man. Willer JC, et al. **Neuropharmacology** 1986 Mar; 25(3):275–81

Role of corticosteroids in regulating cell migration during emotional-pain stress. Frolov BA, et al. **Neurosci Behav Physiol** 1985 Sep–Oct;15(5):442–5

Influence of luliberin and chorionic gonadotropin on luteinizing hormone and testosterone in the blood of monkeys under conditions of acute stress. Katsiya GV, et al. **Neurosci Behav Physiol** 1986 Mar–Apr;16(2):157–60

Study of motor activity and level of sex hormones in female rats in conditions of a lengthy sexual conflict situation. Rasulov MM, et al. **Neurosci Behav Physiol** 1985 Sep–Oct; 15(5):411–4

Cardiovascular components of the defence reaction evoked by excitation of neuronal cell bodies in the midbrain periaqueductal grey of the cat. McDougall A, et al. **Neurosci Lett** 1985 Sep 16;60(1):69–75

Sympathoadrenal and cardiovascular responses to mental stress in pregnancy-induced hypertension. Nisell H, et al. **Obstet Gynecol** 1986 Oct;68(4):531–6

Effects of vasopressin deficiency, age, and stress on stomach ulcer induction in rats. Wideman CH, et al. **Peptides** 1985; 6 Suppl 1:63–7

Altered emotionality of the vasopressin-deficient Brattleboro rat. Williams AR, et al. **Peptides** 1985;6 Suppl 1:69–76

Stressor invoked exacerbation of amphetamine-elicited perseveration. Anisman H, et al. **Pharmacol Biochem Behav** 1985 Aug;23(2):173–83

The effects of PK 11195, a ligand for benzodiazepine binding sites, in animal tests of anxiety and stress. File SE, et al.

Pharmacol Biochem Behav 1985 Nov;23(5):737–41

Alterations of amphetamine elicited perseveration and locomotor excitation following acute and repeated stressor application. Hahn B, et al. **Pharmacol Biochem Behav** 1986 Jul;25(1):29–33

Behaviorally equivalent stressors differentially modify the monoamine altering property of d-amphetamine. Klausenberg BJ, et al. **Pharmacol Biochem Behav** 1985 Sep; 23(3):417–23

The effect of cold–restraint stress on gastric emptying in rats. Koo MW, et al. **Pharmacol Biochem Behav** 1985 Dec; 23(6):969–72

A possible role for oxytocin in the response to a psychological stressor. Muir JL, et al. **Pharmacol Biochem Behav** 1986 Jul;25(1):107–10

Altered neurobiological responses to acute immobilization in social–isolated mice. Oehler J, et al. **Pharmacol Biochem Behav** 1986 Jul;25(1):41–4

Prenatal stress: effect on development of rat brain serotonergic neurons. Peters DA. **Pharmacol Biochem Behav** 1986 May;24(5):1377–82

Stressor–provoked response patterns in a swim task: modification by diazepam. Prince CR, et al. **Pharmacol Biochem Behav** 1986 Feb;24(2):323–8

Stress adaptation and adrenal activity in isolated and crowded rats. Gamallo A, et al. **Physiol Behav** 1986;36(2):217–21

Blood pressure in monkeys chronically exposed to psycho–emotional stress. Urmancheva TG, et al. **Physiol Bohemoslov** 1986;35(2):112–7

Evidence of the involvement of cerebral renin–angiotensin in stress analgesia. Hăulică I, et al. **Physiologie** 1985 Jul–Sep;22(3):165–73

Selective breeding of chickens for corticosterone response to social stress. Gross WB, et al. **Poult Sci** 1985 Dec; 64(12):2230–3

Effects of eicosapentaenoic acid (20:5 omega 3) on stress reactivity in rats. Mills DE, et al. **Proc Soc Exp Biol Med** 1986 May;182(1):127–31

The role of adenosinergic, GABAergic and benzodiazepine systems in hyperemotionality and ulcer formation in stressed rats. Ushijima I, et al. **Psychopharmacology (Berlin)** 1986;89(4):472–6

Association of aerobic fitness with pulse rate and subjective responses to psychological stress. Holmes DS, et al. **Psychophysiology** 1985 Sep;22(5):525–9

Cardiovascular responses of adolescents during a naturally occurring stressor and their behavioral and psychophysiological predictors. Matthews KA, et al. **Psychophysiology** 1986 Mar;23(2):198–209

Stress and psoriasis: psychoendocrine and metabolic reactions in psoriatic patients during standardized stressor exposure. Arnetz BB, et al. **Psychosom Med** 1985 Nov–Dec; 47(6):528–41

Task–induced ST segment depression, ectopic beats, and autonomic responses in coronary heart disease patients. Jennings JR, et al. **Psychosom Med** 1985 Sep–Oct; 47(5):415–30

Family history of hypertension, personality patterns, and cardiovascular reactivity to stress. Jorgensen RS, et al. **Psychosom Med** 1986 Jan–Feb;48(1–2):102–17

Work pressure and the type A behavior pattern exam stress in male medical students. Lovallo WR, et al. **Psychosom Med** 1986 Jan–Feb;48(1–2):125–33

Parental hypertension, affect, and cardiovascular response to cognitive challenge. Manuck SB, et al. **Psychosom Med** 1985 Mar–Apr;47(2):189–200

Acute bereavement, threatened loss, ego defenses and adrenocortical function. Jacobs S, et al. **Psychother Psychosom** 1985;44(3):151–9

Contributions to the study of neurohumoral bases of the stress analgesia. Hăulică I, et al. **Rev Med Chir Soc Med Nat Iasi** 1985 Oct–Dec; 89(4):623–30

Stress–induced inhibition of reproductive functions: role of endogenous corticotropin–releasing factor. Rivier C, et al. **Science** 1986 Feb 7;231(4738):607–9

[Nutrition of pregnant women under mental and neuropsychological stress] Demireva M, et al. **Akush Ginekol (Sofiia)** 1985;24(6):23–7 (Eng. Abstr.) **(Bul)**

[Physical work capacity under different levels of measured stress in relation to type–A personality in intellectual workers] Mincheva L, et al. **Probl Khig** 1985;10:20–32 (Eng. Abstr.) **(Bul)**

[Circulatory stress responses in middle–age and manifestations of essential hypertension] Slabý A, et al. **Cas Lek Cesk** 1986 May 23;125(21):646–50 (Eng. Abstr.) **(Cze)**

[Biology of states of burnout] Poirier MF. **Ann Med Psychol (Paris)** 1985 Sep–Oct;143(8):761–8 **(Fre)**

[Limited movements of the mandible under normal conditions and under experimental stress. A comparative study using stereographic recording] Cueni H, et al. **Schweiz Monatsschr Zahnmed** 1986 Jul;96(7):861–78 (Eng. Abstr.) **(Ger)**

[Parameters of acral vasomotor activity—sensory arousal variables in psychological stress] Gruber G, et al. **Z Gesamte Inn Med** 1986 Mar 15;41(6):177–9 (Eng. Abstr.) **(Ger)**

[Evaluation of the psychological stress test in ischemic cardiopathy] De Berardinis A, et al. **Minerva Cardioangiol** 1986 May;34(5):307–9 (Eng. Abstr.) **(Ita)**

[Role of the adrenergic system in the pathomechanism of functional disorders in puberty] Szewczyk L. **Pediatr Pol** 1985 Apr;60(4):300–5 (Eng. Abstr.) **(Pol)**

[Effect of stress–inducing factors on monkey behavior. II. Hormonal indices and their relation to behavior in the modelling of emotional stress in hamadryas baboons] Butovskaia ML, et al. **Biol Nauki** 1986;(2):59–64 (Eng. Abstr.) **(Rus)**

[Locus ceruleus: the regulation of hemato–encephalic barrier function normally and under emotional stress] Belova TI, et al. **Biull Eksp Biol Med** 1986 Apr;101(4):395–7 (Eng. Abstr.) **(Rus)**

[Effect of chronic psychogenic stress on a number of behavioral and neurochemical characteristics of rats] Danchev ND, et al. **Biull Eksp Biol Med** 1986 Jan; 101(1):57–9 (Eng. Abstr.) **(Rus)**

[Role of the thymus in regulating bone marrow hematopoiesis in the stress reaction] Dygai AM, et al. **Biull Eksp Biol Med** 1986 Apr;101(4):397–9 (Eng. Abstr.) **(Rus)**

[Microcirculatory system of hamsters under stress and following the prophylactic administration of ionol] Gorizontova MP. **Biull Eksp Biol Med** 1985 Dec; 100(12):673–5 (Eng. Abstr.) **(Rus)**

[Temporal characteristics of the behavioral effects of tuftsin] Kamenskiĭ AA, et al. **Biull Eksp Biol Med** 1986 Jan; 101(1):55–7 (Eng. Abstr.) **(Rus)**

[Prevention of stress–induced disorders of myocardial Na, K–ATPase activity using adaptation to short–term stress] Meerson FZ, et al. **Biull Eksp Biol Med** 1986 Aug; 102(8):153–5 (Eng. Abstr.) **(Rus)**

[Effect of preliminary adaptation to short–term stress exposure on the resistance of the spontaneously contracting myocardium to a lipid peroxidation inducer] Meerson FZ, et al. **Biull Eksp Biol Med** 1985 Dec;100(12):659–61 (Eng. Abstr.) **(Rus)**

[Maintaining hypertension in negative emotional exposures as one of the functions of the baroreceptor reflex] Pliss MG, et al. **Biull Eksp Biol Med** 1986 May;101(5):548–50 (Eng. Abstr.) **(Rus)**

[Genetic and seasonal characteristics of the effect of stress on pain sensitivity in mice] Popova NK, et al. **Biull Eksp Biol Med** 1986 Jan;101(1):11–3 (Eng. Abstr.) **(Rus)**

[Hemodynamic changes in immobilization stress] Ul'ianinskiĭ LS, et al. **Biull Eksp Biol Med** 1985 Sep;100(9):282–5 (Eng. Abstr.) **(Rus)**

[Age–related dynamics of autonomic indices and changes in EEG characteristics as affected by functional states of the brain in normal children] Allakhverdiev AR, et al. **Fiziol Cheloveka** 1985 May–Jun;11(3):521–3 **(Rus)**

[Effect of intense mental work during stressful conditions on cardiac activity, hemodynamics and cerebral circulation] Fedorov BM, et al. **Fiziol Cheloveka** 1986 Jan–Feb;12(1):65–71 **(Rus)**

[Changes in heart rate and cerebral vascular tone as a result of alternating physical and mental loads] Lebedev ID. **Fiziol Cheloveka** 1985 Nov–Dec;11(6):934–7 **(Rus)**

[Evaluation of emotional stress during work based on systemic analysis of the galvanic skin reaction] Rakov GK, et al. **Fiziol Cheloveka** 1985 May–Jun;11(3):463–9 **(Rus)**

[Heart and respiratory rates with regard to the degree of success in performing mental tasks] Sinitsina TM, et al. **Fiziol Cheloveka** 1986 Mar–Apr;12(2):199–203 **(Rus)**

[Effect of hypodynamia and neuro–emotional tension on the physical work capacity of the circulatory and respiratory systems during muscular work] Navakatikian AO, et al. **Fiziol Zh** 1986 May–Jun;32(3):278–84 (Eng. Abstr.) **(Rus)**

[Electric instability of the hearts of animals with differing resistance to immobilization stress] Buniatian AM. **Fiziol Zh SSSR** 1986 Jun;72(6):757–62 (Eng. Abstr.) **(Rus)**

[Contractile function and energy metabolism of the myocardium during emotional stress and adaptation of animals to brief exposure to stress] Malyshev VV, et al. **Fiziol Zh SSSR** 1986 May;72(5):632–6 (Eng. Abstr.) **(Rus)**

[Genetical aspects of hormonal modification of the stress reactivity. II. Modification in early ontogenesis of the stress reactivity of adult gray rats selected for behavior toward man] Dygalo NN, et al. **Genetika** 1986 Mar;22(3):500–6 (Eng. Abstr.) **(Rus)**

[Functional state of the cardiovascular system in students during their academic semester and examination session] Filin AP, et al. **Gig Sanit** 1986 May;(5):84–5 **(Rus)**

[Effect of neuro–emotional stress on signal system function in students] Khlebutina TA, et al. **Gig Sanit** 1985 Dec; (12):72–3 **(Rus)**

[Hemodynamic criteria of stress in mental work] Stolbun BM, et al. **Gig Tr Prof Zabol** 1985 Oct;(10):9–12 (Eng. Abstr.) **(Rus)**

[The informational value of respiration rate and respiratory arrhythmia in female workers engaged in assembling small units] Vagin IuE. **Gig Tr Prof Zabol** 1985 Oct;(10):51–2 **(Rus)**

[Activity of the sympathetic–adrenal system in monkeys under acute and chronic emotional stress] Bol'shakova TD, et al. **Izv Akad Nauk SSSR [Biol]** 1985 Nov–Dec;(6):822–31 (Eng. Abstr.) **(Rus)**

[Participation of the endogenous opioid system in the formation of the body's response to stress] Golanov EV, et al. **Kardiologiia** 1986 May;26(5):67–71 (Eng. Abstr.) **(Rus)**

[Hormonal regulation of the hemostasis system in patients with ischemic heart disease during emotional stress] Sokolov EI, et al. **Kardiologiia** 1985 Oct;25(10):112–7 (Eng. Abstr.) **(Rus)**

[Hemodynamic support of the psychoemotional reaction of ischemic heart disease patients] Sudzhaeva SG, et al. **Kardiologiia** 1985 Nov;25(11):54–60 (Eng. Abstr.) **(Rus)**

[Features of humoral regulation of metabolism during modelling of space flight factors] Kalandarov S, et al. **Kosm Biol Aviakosm Med** 1986 Jan–Feb;20(1):25–8 (Eng. Abstr.) **(Rus)**

[Changes in the physical condition, vestibular function and bone system in rats exposed to long–term rotation] Shipov AA, et al. **Kosm Biol Aviakosm Med** 1985 Sep–Oct; 19(5):46–53 (Eng. Abstr.) **(Rus)**

[Effect of stress on psychomotor stability of pilots with various degrees of anxiety] Tereliak Ia, et al. **Kosm Biol Aviakosm Med** 1985 Jul–Aug;19(4):24–6 (Eng. Abstr.) **(Rus)**

[Microcirculation in stress] Gorizontova MP. **Patol Fiziol Eksp Ter** 1986 May–Jun;(3):79–85 (82 ref.) **(Rus)**

[Effect of adaptation to physical exertion on the development of emotionally–painful stress, metabolic disorders and the contractile function of the myocardium] Meerson FZ, et al. **Patol Fiziol Eksp Ter** 1985 Sep–Oct;(5):9–14 (Eng. Abstr.) **(Rus)**

[Disorders of cardiovascular function in immobilization stress] Ul'ianinskiĭ LS, et al. **Vestn Akad Med Nauk SSSR** 1986;(7):85–9 (Eng. Abstr.) **(Rus)**

[Role of positive emotions in the prevention of cardiac rhythm disorders during emotional stress] Ul'ianinskiĭ LS, et al. **Vestn Akad Med Nauk SSSR** 1985;(11):87–91 (Eng. Abstr.) **(Rus)**

[Effect of adaptation to brief stress exposure on the realization of the stress reaction, impairment of metabolism and myocardial contraction caused by prolonged emotional–pain stress] Meerson FZ, et al. **Vopr Med Khim** 1986 Jan–Feb;32(1):76–81 (Eng. Abstr.) **(Rus)**

[Limiting stress activation of the adrenergic and pituitary–adrenal systems by alpha–tocopherol] Petrova VA, et al. **Vopr Med Khim** 1985 Nov–Dec;31(6):115–8 (Eng. Abstr.) **(Rus)**

[Morphofunctional state of the extramural neuroganglia and endocrine system of the stomach in experimental emotion–pain stress] Tarnavskaia TG. **Vrach Delo** 1985 Oct; (10):12–4 (Eng. Abstr.) **(Rus)**

[Role of the brain noradrenergic system in transforming the stressor reactivity of brown rats selected for their domestication behavior] Dygalo NN. **Zh Obshch Biol** 1986 Jul–Aug;47(4):455–7 **(Rus)**

[Local hemodynamics of the brain of the white rat at late periods after discontinuation of neurosis–inducing treatment] Levina OL, et al. **Zh Vysh Nerv Deiat** 1985 Jul–Aug;35(4):764–9 (Eng. Abstr.) **(Rus)**

[Stress, a part of life] Milin J. **Med Pregl** 1985;38(7–8):325–32 (Eng. Abstr.) **(Scr)**

PREVENTION & CONTROL

Assessment of stress–buffering effects of social networks on psychological symptoms in an inner–city elderly population. Cohen CI, et al. **Am J Community Psychol** 1986 Feb;14(1):75–91

The importation, transmission, and moderation of stress in the family system. Thomson B, et al. **Am J Community Psychol** 1986 Feb;14(1):39–57

Stress tag: you're it! Owen PL. **Am J Nurs** 1986 Jan; 86(1):52–3

Stress management training for parents and their children undergoing cardiac catheterization. Campbell L, et al. **Am J Orthopsychiatry** 1986 Apr;56(2):234–43

Communication variables in the design of pre–surgical preparatory information. Wallace LM. **Br J Clin Psychol** 1986 May;25 (Pt 2):111–8

Making family therapy easier for the therapist: burnout prevention. Friedman R. **Fam Process** 1985 Dec; 24(4):549–53

TEAMS: teamwork training for interns, residents, and nurses. Bair JP, et al. **Hosp Community Psychiatry** 1986 Jun; 37(6):633–5

Support groups for mental health staff and trainees. Kanas N. **Int J Group Psychother** 1986 Apr;36(2):279–96

Stress management: evaluating a preventive approach for college students. Archer J Jr. **J Am Coll Health** 1986 Feb; 34(4):157–60

Social support, stress, and well–being among older adults. Krause N. **J Gerontol** 1986 Jul;41(4):512–9

Strategic management of technostress. The chaining of Prometheus. Caro DH, et al. **J Med Syst** 1985 Dec; 9(5–6):291–304

Family support: does it work? [editorial] Garfunkel JM. **J Pediatr** 1986 Jun;108(6):934–5

Family support system in newborn medicine: does it work? Follow–up study of infants at risk. Perrault C, et al. **J Pediatr** 1986 Jun;108(6):1025–30

Stress self–help packages in primary care: a controlled trial

evaluation. Kiely BG, et al. **J R Coll Gen Pract** 1986 Jul; 36(288):307–9

[Stressful events in life. Prevention of possible negative sequelae] Neipor K. **Cas Lek Cesk** 1985 Dec 13; 124(50):1537–41 (Eng. Abstr.) (Cze)

[Beta-blockers used as tranquilizers for the examination of nervous states. A questionnaire study among older medical students] Andreassen KH, et al. **Ugeskr Laeger** 1985 Nov 11;147(46):3734–6 (Eng. Abstr.) (Dan)

[Psychopathology of work, psychobioecologic approach to occupational maltreatment and considerations on the prevention of maladjustment] Amiel R. **Ann Med Psychol (Paris)** 1985 Sep–Oct;143(8):729–51 (Fre)

[Specific relaxation technics] Van Gasse P. **Arch Belg** 1986; 44(3–4):139–45 (Fre)

[Psychomental stress and cardiovascular reactivity under the action of prenylamine] Grünewald R, et al. **Fortschr Med** 1985 Sep 26;103(36):857–60 (Eng. Abstr.) (Ger)

[Premedication with seduxen in combination with different doses of sodium oxybutyrate in preoperative psycho-emotional stress] Sergeenko NI, et al. **Anesteziol Reanimatol** 1986 Jan–Feb;(1):55–7 (Eng. Abstr.) (Rus)

[Anti-stressor effect of 1-chloromethylsilatrane] Malyshev VV, et al. **Dokl Akad Nauk SSSR** 1985;285(5):1249–51 (Rus)

[Prevention of cardiac fibrillation using antioxidants and preliminary adaptation of animals to the effects of stress] Meerson FZ, et al. **Kardiologiia** 1985 Oct;25(10):29–34 (Eng. Abstr.) (Rus)

[Control of the work capacity of pilots by the psychosomatic autoregulation method] Mel'nik SG, et al. **Voen Med Zh** 1986 Feb;(2):37–9 (Rus)

[Various features of the preparation of patients with chronic ischemic heart disease for roentgenosurgical examinations] Ianovskil GV, et al. **Vrach Delo** 1985 Nov;(11):57–60 (Eng. Abstr.) (Rus)

[Establishment of the optimal and permissible microclimate parameters for work connected with neuro-emotional tension] Shleifman FM, et al. **Vrach Delo** 1985 Jul; (7):107–10 (Eng. Abstr.) (Rus)

PSYCHOLOGY

Occupational stress, social support, and burnout among correctional officers. Dignam JT, et al. **Am J Community Psychol** 1986 Apr;14(2):177–93

Events of parental divorce: stressfulness ratings by children, parents, and clinicians. Wolchik SA, et al. **Am J Community Psychol** 1986 Feb;14(1):59–74

Perceived stress and satisfaction of direct-care staff members in community residences for mentally retarded adults. Bersani HA Jr, et al. **Am J Ment Defic** 1985 Nov; 90(3):289–95

Periodic stresses of families of older mentally retarded children: an exploratory study. Wikler LM. **Am J Ment Defic** 1986 May;90(6):703–6

A parental perspective on stress and coping. Lipsky DK. **Am J Orthopsychiatry** 1985 Oct;55(4):614–7

Bloodletting as purging behavior [letter] Cosman BC. **Am J Psychiatry** 1986 Sep;143(9):1188–9

The politics of stress: public visions, private realities. Epstein CF. **Am J Psychoanal** 1985 Fall;45(3):282–90

Approach, avoidance, and coping with stress. Roth S, et al. **Am Psychol** 1986 Jul;41(7):813–9

The meaning of role strain. Ward CR. **ANS** 1986 Jan; 8(2):39–49

The concept of stress [letter] **Aust NZ J Psychiatry** 1985 Dec;19(4):445–8

Characteristics of stress clinic attendees. Bird EI, et al. **Biofeedback Self Regul** 1985 Dec;10(4):343–8

Interpersonal stress and style as predictors of biofeedback/relaxation training outcome: preliminary findings. Ford MR. **Biofeedback Self Regul** 1985 Sep; 10(3):223–39

Stress and arousal during pregnancy and childbirth. Wilson-Evered E, et al. **Br J Med Psychol** 1986 Mar;59 (Pt 1):57–60

Are stress responses influenced by cognitive appraisal? An experimental comparison of coping strategies. Steptoe A, et al. **Br J Psychol** 1986 May;77 (Pt 2):243–55

The place of attachment in the life events model of stress and illness. West M, et al. **Can J Psychiatry** 1986 Apr; 31(3):202–7

Factors mediating child abuse as a response to stress. Justice B, et al. **Child Abuse Negl** 1985;9(3):359–63

Stress and skin diseases: psychosomatic dermatology. Panconesi E. **Clin Dermatol** 1984 Oct–Dec;2(4):viii–xiv

Social support and occupational stress in special education. Fimian MJ. **Except Child** 1986 Feb;52(5):436–42

Family structure and stress. Lewis JM. **Fam Process** 1986 Jun;25(2):235–47

Patients' perceptions of nursing home stress related to quality of care. Stein S, et al. **Gerontologist** 1986 Aug;26(4):424–30

Mother-child patterns of coping with anticipatory medical stress. Bush JP, et al. **Health Psychol** 1986;5(2):137–57

Stresses of the psychotherapeutic role. Greenfeld D. **Hillside J Clin Psychiatry** 1985;7(2):165–83

Stress and sorcery in three social groups. Dressler WW. **Int J Soc Psychiatry** 1985 Winter;31(4):275–81

Medical students' stress reactions to dissections. Shalev A, et al. **Isr J Psychiatry Relat Sci** 1985;22(1–2):121–33

The effect of ethnic origin on personality resources and psychophysiological health in a chronic stress situation: the case of spouses of dialysis patients. Soskolne V. **Isr J Psychiatry Relat Sci** 1984;21(3):137–50

Stress–processes and depressive symptomatology. Folkman S, et al. **J Abnorm Psychol** 1986 May;95(2):107–13

Drinking your troubles away: the role of activity in mediating alcohol's reduction of psychological stress. Steele CM, et al. **J Abnorm Psychol** 1986 May;95(2):173–80

Attributions for real and hypothetical events: their relation to self-esteem and depression. Zautra AJ, et al. **J Abnorm Psychol** 1985 Nov;94(4):530–40

Self-esteem and perceived stress in young adolescents with chronic disease. Unexpected findings. Adams JA, et al. **J Adolesc Health Care** 1986 May;7(3):173–7

Stressors, coping, and social supports of adolescent mothers. Panzarine S. **J Adolesc Health Care** 1986 May;7(3):153–61

Spouse burnout syndrome. Ekberg JY, et al. **J Adv Nurs** 1986 Mar;11(2):161–5

Latency children in post-separation and divorce disputes. Johnston JR, et al. **J Am Acad Child Psychiatry** 1985 Sep; 24(5):563–74

Role of social support in the experience of stress at work. Ganster DC, et al. **J Appl Psychol** 1986 Feb;71(1):102–10

Interactions between job stressors and social support: some counterintuitive results. Kaufmann GM, et al. **J Appl Psychol** 1986 Aug;71(3):522–6

Coping with job stress: measures and future directions for scale development. Latack JC. **J Appl Psychol** 1986 Aug; 71(3):377–85

Personality (hardiness) as a moderator of job stress and coronary risk in type A individuals: a longitudinal study. Howard JH, et al. **J Behav Med** 1986 Jun;9(3):229–44

Going beyond social support: the role of social relationships in adaptation. Coyne JC, et al. **J Consult Clin Psychol** 1986 Aug;54(4):454–60

Social support as coping assistance. Thoits PA. **J Consult Clin Psychol** 1986 Aug;54(4):416–23

Gender differences in relationships and stress of medical and law students. Clark EJ, et al. **J Med Educ** 1986 Jan; 61(1):32–40

Job stress, psychological health, and social support of family practice residents. Mazie B. **J Med Educ** 1985 Dec; 60(12):935–41

Stress levels in families with intellectually handicapped preschool children and families with nonhandicapped preschool children. Wilton K, et al. **J Ment Defic Res** 1986 Jun;30 (Pt 2):163–9

Absenteeism. Nursing service's albatross. Miller DS, et al. **J Nurs Adm** 1986 Mar;16(3):38–42

Who burns out? Vincent PA, et al. **J Nurs Adm** 1985 Nov; 15(11):6

Stress coping strategies in commercial airline pilots. Sloan SJ, et al. **J Occup Med** 1986 Jan;28(1):49–52

Effects of dominance on group decision making: toward a stress-reduction explanation of groupthink. Callaway MR, et al. **J Pers Soc Psychol** 1985 Oct;49(4):949–52

A person–environment analysis of job stress: a contingency model explanation. Chemers MM, et al. **J Pers Soc Psychol** 1985 Sep;49(3):628–35

Social skills and the stress-protective role of social support. Cohen S, et al. **J Pers Soc Psychol** 1986 May;50(5):963–73

Dynamics of a stressful encounter: cognitive appraisal, coping, and encounter outcomes. Folkman S, et al. **J Pers Soc Psychol** 1986 May;50(5):992–1003

Personality, coping, and family resources in stress resistance: a longitudinal analysis. Holahan CJ, et al. **J Pers Soc Psychol** 1986 Aug;51(2):389–95

Stress & the psychiatric nurse. Dawkins JE, et al. **J Psychosoc Nurs Ment Health Serv** 1985 Nov;23(11):8–15

An empirical test of a cognitive social learning model for stress moderation with junior high school students. Price JH, et al. **J Sch Health** 1985 Aug;55(6):217–20

Acculturation and personality as predictors of stress in Japanese and Japanese-Americans. Padilla AM, et al. **J Soc Psychol** 1985 Jun;125(3):295–305

Locus of control as a moderator of teacher stress in Singapore. Soh KC. **J Soc Psychol** 1986 Apr;126(2):257–8

Field dependence in alcoholics: relation to years of drinking, severity of alcohol dependence and emotional distress. Steiger H, et al. **J Stud Alcohol** 1985 Nov;46(6):486–9

Re: Stress in ICU and non-ICU nurses [letter] Bartz C. **Nurs Res** 1986 Jan–Feb;35(1):59

Psychometric evaluation of the Hemodialysis Stressor Scale. Murphy SP, et al. **Nurs Res** 1985 Nov–Dec;34(6):368–71

Subjective distress accompanying headache attacks: evidence for a cognitive shift. Demjen S, et al. **Pain** 1986 May; 25(2):187–94

Stress and conflict conditions leading to and maintaining voluntary alcohol consumption in rats. Caplan MA, et al. **Pharmacol Biochem Behav** 1986 Feb;24(2):271–80

Mechanisms by which stress can lead to coronary heart disease. Henry JP. **Postgrad Med J** 1986 Jul;62(729):687–93

Stress, social support, and the buffering hypothesis. Cohen S, et al. **Psychol Bull** 1985 Sep;98(2):310–57 (147 ref.)

Measures of objective and subjective stress by level of income. Cole GE, et al. **Psychol Rep** 1986 Aug;59(1):139–42

Type A behavior, cognitive defense, and stress. Heilbrun AB Jr, et al. **Psychol Rep** 1986 Apr;58(2):447–56

Stress scores of workers by sex and age. Lester D, et al. **Psychol Rep** 1986 Feb;58(1):110

Burnout: a comparative analysis of personality and environmental variables. Nagy S, et al. **Psychol Rep** 1985 Dec;57(3 Pt 2):1319–26

Burnout among intensive care nurses. Bartz C, et al. **Res Nurs Health** 1986 Jun;9(2):147–53

Stress, coping behaviors, and recommendations for intensive care and medical surgical ward registered nurses. Kelly JG, et al. **Res Nurs Health** 1985 Dec;8(4):321–8

Sleep, dreaming, and adaptation to a stressful intellectual activity. Koulack D, et al. **Sleep** 1985;8(3):244–53

[Psychosocial aspects of heart transplantation] Erdman Ra, et al. **Ned Tijdschr Geneeskd** 1986 Jun 14;130(24):1114–6 (Eng. Abstr.) (Dut)

[The patient with Hansen's disease and his distress] D'Almeida L, et al. **Acta Leprol (Geneve)** 1986 Jan–Mar; (100):59–72 (Eng. Abstr.) (Fre)

[Psychology of professional burnout] Lebigot F, et al. **Ann Med Psychol (Paris)** 1985 Sep–Oct;143(8):769–75 (Fre)

[Professional burnout syndrome: is there smoke without fire?] Scarfone D. **Ann Med Psychol (Paris)** 1985 Sep–Oct; 143(8):754–61 (Fre)

[Stress, work and depression: an attempt at conceptualization] Amiel R. **Arch Belg** 1986;44(3–4):108–19 (Fre)

[Aging—inactivity—stress] Asiel M. **Arch Belg** 1986; 44(3–4):98–107 (Fre)

[Stress and education of the child] Sand EA. **Arch Belg** 1986; 44(3–4):120–8 (Fre)

[Stress in teachers] Biener K. **Fortschr Med** 1986 May 22; 104(20):405–8 (Eng. Abstr.) (Ger)

[Two cases of psychogenic fugue observed in computer firms] Hayashi N, et al. **Seishin Igaku** 1985 Jan;27(1):46–7 (Jpn)

[Effect of hypokinesia on food-procurring reflexes in monkeys] Eliava VM, et al. **Kosm Biol Aviakosm Med** 1986 May–Jun;20(3):83–5 (Rus)

[Dynamics of the informal structure of a small dedicated group under the natural conditions of social isolation stress] Terelak J. **Kosm Biol Aviakosm Med** 1985 Nov–Dec; 19(6):90–2 (Rus)

[Relation between the ulcerogenic action of emotional stress and the individual-typologic characteristics of the rat] Vediaev FP, et al. **Patol Fiziol Eksp Ter** 1985 Sep–Oct; (5):21–3 (Eng. Abstr.) (Rus)

[Emotional characteristics of mental stress. Experimental study] Molčan J, et al. **Cesk Psychiatr** 1985 Dec; 81(6):387–90 (Eng. Abstr.) (Slo)

THERAPY

Psychological benefits of Spiritual Baptist "mourning." II: An empirical assessment. Griffith EE, et al. **Am J Psychiatry** 1986 Feb;143(2):226–9

Stress management in rehabilitation. Mandel AR, et al. **Arch Phys Med Rehabil** 1986 Jun;67(6):375–9

An approach to stress and anxiety in general practice. Manzie P. **Aust Fam Physician** 1985 Sep;14(9):894–5, 899–900

Effects of biofeedback-assisted attention training in a college population. Valdés MR. **Biofeedback Self Regul** 1985 Dec; 10(4):315–24

Stress reduction treatment of severe recurrent genital herpes virus. VanderPlate C, et al. **Biofeedback Self Regul** 1985 Jun;10(2):181–8

Palliative vs direct action stress-reduction procedures as treatments for reading disability. Sharpley CF, et al. **Br J Educ Psychol** 1986 Feb;56 (Pt 1):40–50

Effect of stress reduction on daily glucose range in previously stabilized insulin-dependent diabetic patients. Landis B, et al. **Diabetes Care** 1985 Nov–Dec;8(6):624–6

A new use for videotape in liaison psychiatry: a case from the burn unit. Pauker SL. **Gen Hosp Psychiatry** 1986 Jan; 8(1):11–7

Hypnotherapy with families of chronically ill children. Negley-Parker E, et al. **Int J Psychosom** 1986;33(2):9–11

Developmental strains of women medical students. Kris KB. **J Am Med Wom Assoc** 1985 Sep–Oct;40(5):145–8

Behavioral management of children's distress during chemotherapy. Dahlquist LM, et al. **J Behav Ther Exp Psychiatry** 1985 Dec;16(4):325–9

Effects of meditation and aerobic exercise on EEG patterns. Severtsen B, et al. **J Neurosci Nurs** 1986 Aug;18(4):206–10

Stress management groups. Griffin W, et al. **J Psychosoc Nurs Ment Health Serv** 1985 Oct;23(10):31–5

Effects of relaxation on anxiety in children: implications for coping with stress. Lamontagne LL, et al. **Nurs Res** 1985 Sep–Oct;34(5):289–92

Biofeedback and gifted children: an initial investigation. Karnes FA, et al. **Percept Mot Skills** 1985 Aug;61(1):179–82

The ischemic heart disease life stress monitoring program: impact on mortality. Frasure-Smith N, et al. **Psychosom Med** 1985 Sep–Oct;47(5):431–45

Experimental manipulation of aerobic fitness and the response to psychosocial stress: heart rate and self-report measures. Sinyor D, et al. **Psychosom Med** 1986 May–Jun; 48(5):324–37

[Stress and one of its remedies: relaxation] Vanfraechem-Raway R. **Arch Belg** 1986;44(3–4):146–50 (Fre)

[Acute crisis intervention in general practice] Irniger W. **Ther Umsch** 1986 Jan;43(1):34–42 (Eng. Abstr.) (Ger)

[Interleukin-2 restoration of the activity of natural killers during stress] Sukhikh GT, et al. **Biull Eksp Biol Med** 1986 Mar;101(3):341–3 (Eng. Abstr.) (Rus)

URINE

Urinary monoamine metabolites as indices of mental stress in healthy males and females. Frankenhaeuser M, et al. **Pharmacol Biochem Behav** 1986 Jun;24(6):1521–5

Psychoneuroendocrine stress responses and mood as related to the menstrual cycle. Collins A, et al. **Psychosom Med** 1985 Nov–Dec;47(6):512–27

[Stress and the excretion of catecholamines in patients after kidney transplantation] Honzák R, et al. **Cas Lek Cesk** 1985 Jul 19;124(29):912–3 (Eng. Abstr.) (Cze)

[Indicators of catecholamine excretion in air traffic controllers] Kuprianov VA, et al. **Gig Tr Prof Zabol** 1986 Feb;(2):53–6 (Rus)

STRESSFUL EVENTS see **LIFE CHANGE EVENTS**

STRIA VASCULARIS see under **COCHLEA**

STRIATE CORTEX see **VISUAL CORTEX**

STRIATED BORDER see **MICROVILLI**

STRIDOR see **RESPIRATORY SOUNDS**

STRIKES, EMPLOYEE

The Ontario doctors' strike [letter] **Can Med Assoc J** 1986 Sep 1;135(5):429–30

A participants account of the New South Wales doctors' dispute'. McKay BV. **Community Health Stud** 1986; 10(2):220–31

Perinatal outcome following physicians' strike of 1983. Bukovsky I, et al. **Isr J Med Sci** 1985 Oct;21(10):804–7

Organized medicine and Scandinavian professional unionism: hospital policies and exit options in Denmark and Sweden. Heidenheimer AJ, et al. **J Health Polit Policy Law** 1985 Summer;10(2):347–70

Health workers' strikes: a rejoinder rejected. Brecher R. **J Med Ethics** 1986 Mar;12(1):40–2

Physicians' strikes—second thoughts [letter] Garty M. **J Med Ethics** 1986 Jun;12(2):104–5

Health workers' strikes: a further rejoinder. Glick SM. **J Med Ethics** 1986 Mar;12(1):43–4

Physicians' strikes—a rejoinder. Glick SM. **J Med Ethics** 1985 Dec;11(4):196–7

Ethical issues of a doctors' strike [letter] Sachdev PS. **J Med Ethics** 1986 Mar;12(1):53

Coping with health services disruption. Perceiving need and utilizing available services during a doctors' strike. Pilpel D, et al. **Med Care** 1985 Dec;23(12):1372–80

Doctors' strike—an ethical justification. Sachdev PS. **NZ Med J** 1986 Jun 11;99(803):412–4

The baseball strike and plastic surgery [editorial] Goldwyn RM. **Plast Reconstr Surg** 1986 Feb;77(2):299–300

Strike and stress in a maximum security hospital. Vispo RH, et al. **Psychiatr Q** 1986 Summer;57(2):111–20

The effect of a mental hospital strike on general hospital psychiatric services. Norman RM, et al. **Psychol Med** 1984 Nov;14(4):913–21

Policy perspectives on newspaper reports of nurse strikes. Kalisch PA, et al. **Res Nurs Health** 1985 Sep;8(3):243–51

[Physicians' strike in Finland, 1984] Strid L. **Tidskr Nor Laegeforen** 1986 May 25;106(14):1205–8 (Swe)

ECONOMICS

The political economy of doctors' strikes in Nigeria: a Marxist interpretation. Alubo SO. **Soc Sci Med** 1986; 22(4):467–77

STROKE see **CEREBROVASCULAR DISORDERS**

STROKE VOLUME

Structural adaptation of the rat left ventricle in response to changes in pressure and volume loads. Friberg P, et al. **Acta Physiol Scand** 1985 Sep;125(1):67–79

Two-dimensional echocardiographic determinants of interventricular septal configurations in right or left ventricular overload. Agata Y, et al. **Am Heart J** 1985 Oct; 110(4):819–25

Hemodynamic responses of the acutely stressed neonatal right ventricle: a maturational study in lambs. Allen HD, et al. **Am Heart J** 1986 Apr;111(4):737–42

Pinhole radionuclide ventriculography in small infants. Hannon DW, et al. **Am Heart J** 1986 Feb;111(2):316–21

Radionuclide angiographic evaluation of left ventricular performance at rest and during exercise in patients with aortic regurgitation. Iskandrian AS, et al. **Am Heart J** 1986 Jun;111(6):1143–9

Left ventricular pressure/volume relationship in coronary artery disease. Iskandrian AS, et al. **Am Heart J** 1986 Aug; 112(2):375–81

Determinants of the changes in left ventricular end-diastolic volume during upright exercise in patients with coronary artery disease. Iskandrian AS, et al. **Am Heart J** 1986 Sep; 112(3):441–6

Left ventricular pressure/volume relationship in aortic regurgitation. Iskandrian AS, et al. **Am Heart J** 1985 Nov; 110(5):1026–32

The reproducibility of nongeometric analysis of cardiac output and left ventricular volume by radionuclide angiography. Jeremy R, et al. **Am Heart J** 1985 Nov; 110(5):1020–6

Interventricular delay in severe aortic stenosis recognized by gated radionuclear blood pool scanning. Lalonde G, et al. **Am Heart J** 1986 Apr;111(4):679–82

Decrease in global ejection fraction after volume challenge in long-standing hypertension. Marmor AT, et al. **Am Heart J** 1986 Apr;111(4):746–51

The effects of acute hypertriglyceridemia and high levels of free fatty acids on left ventricular function. Pacold I, et al. **Am Heart J** 1985 Oct;110(4):836–40

Determination of left ventricular ejection fraction using ultrafast computed tomography. Rich S, et al. **Am Heart J** 1986 Aug;112(2):392–6

Maturational changes in myocardial pump performance in newborn lambs. Riemenschneider TA, et al. **Am Heart J** 1986 Apr;111(4):731–6

Echocardiographic and Doppler flow observations in obstructed and nonobstructed hypertrophic cardiomyopathy. Gardin JM, et al. **Am J Cardiol** 1985 Oct 1;56(10):614–21

Prognostic significance of exercise-induced left ventricular dysfunction in chronic aortic regurgitation. Gee DS, et al. **Am J Cardiol** 1985 Oct 1;56(10):605–9

Relation between Q-QS changes on the rest electrocardiogram and left ventricular function with healed myocardial infarction. Karnegis JN, et al. **Am J Cardiol** 1986 Sep 1;58(6):399–405

Variable spectrum and prognostic implications of left and right ventricular ejection fractions in patients with and without clinical heart failure after acute myocardial infarction. Shah PK, et al. **Am J Cardiol** 1986 Sep 1; 58(6):387–93

Prognostic value of electrocardiographic exercise testing and noninvasive assessment of left ventricular ejection fraction soon after acute myocardial infarction. Starling MR, et al. **Am J Cardiol** 1986 Mar 1;57(8):532–7

Right ventricular ejection fraction measured by first-pass intravenous krypton-81m: reproducibility and comparison with technetium-99m. Wong DF, et al. **Am J Cardiol** 1985 Nov 1;56(12):776–80

Prediction of left ventricular ejection fraction using simple quantitative clinical information. Cease KB, et al. **Am J Med** 1986 Sep;81(3):429–36

Coronary artery bypass surgery in patients with left ventricular dysfunction. Shearn DL, et al. **Am J Med** 1986 Mar;80(3):405–11

Influence of atrioventricular synchrony on hemodynamics in patients with normal and low ejection fractions following open heart surgery. Curtis J, et al. **Am Surg** 1986 Feb; 52(2):93–6

Poor correlation between pulmonary arterial wedge pressure and left ventricular end-diastolic volume after coronary artery bypass graft surgery. Hansen RM, et al. **Anesthesiology** 1986 Jun;64(6):764–70

Comparison of left ventricular ejection fraction by cine computed tomography and single plane right anterior oblique ventriculography. MacMillan RM, et al. **Angiology** 1986 Apr;37(4):299–305

A brief evaluation of cardiac gated MRI in left ventricular ejection fraction determinations: a comparison with standard left ventriculography DSA and nuclear medicine. Le Page R, et al. **Ann Radiol (Paris)** 1986;29(2):87–90

Comparative measurements of left ventricular ejection time by mechano-, echo- and electrical impedance cardiography. Stern HC, et al. **Arzneimittelforschung** 1985; 35(10):1582–6

A quantitative comparison between the two phases of the ventricular ejection. Gattullo D, et al. **Boll Soc Ital Biol Sper** 1985 Jun 30;61(6):803–9

Changes in left ventricular stroke volume measured by Doppler echocardiography. Ihlen H, et al. **Br Heart J** 1985 Oct;54(4):378–83

Effect of age and blood pressure on aortic size and stroke distance. Towfiq BA, et al. **Br Heart J** 1986 Jun;55(6):560–8

End-systolic pressure-volume relations of isolated ejecting rabbit left ventricles after quick diastolic volume changes. Kil PJ, et al. **Cardiovasc Res** 1985 Dec;19(12):782–92

Limited usefulness of the so-called ejection fraction measurement in clinical practice. Altschule MD. **Chest** 1986 Jul;90(1):134–5

Coronary artery cardiomyopathy. Hemodynamic and prognostic implications. Fox RM, et al. **Chest** 1986 Mar; 89(3):352–6

Regulation of stroke volume during submaximal and maximal upright exercise in normal man. Higginbotham MB, et al. **Circ Res** 1986 Feb;58(2):281–91

Effect of alteration of left ventricular activation sequence on the left ventricular end-systolic pressure-volume relation in closed-chest dogs. Park RC, et al. **Circ Res** 1985 Nov;57(5):706–17

Maintenance of exercise stroke volume during ventricular versus atrial synchronous pacing: role of contractility. Ausubel K, et al. **Circulation** 1985 Nov;72(5):1037–43

End-systolic measures of regional ventricular performance. Aversano T, et al. **Circulation** 1986 May;73(5):938–50

Relationship of contractile state to ejection performance in patients with chronic aortic valve disease. Wisenbaugh T, et al. **Circulation** 1986 Jan;73(1):47–53

Simplified count-based estimates of left ventricular volume. Lavise SJ, et al. **Clin Nucl Med** 1986 Mar;11(3):168–74

The pericardial hypothesis: a mechanism of acute shifts of the left ventricular diastolic pressure-volume relation. Smiseth OA, et al. **Clin Physiol** 1985 Oct;5(5):403–15 (42 ref.)

Comparison of segmental and global ejection fraction in ischaemic heart disease. Llerena LR, et al. **Cor Vasa** 1985; 27(4):259–65

Equilibrium radionuclide right ventriculography at rest and during exercise in patients with pulmonary hypertension. Nestával A, et al. **Cor Vasa** 1986;28(1):22–30

Variability of left ventricular function at diagnosis and after treatment in insulin-dependent diabetes. Harrower AD, et al. **Diabetes Res** 1986 Mar;3(3):149–52

Corrected QT-interval during one year follow-up after an acute myocardial infarction. Juul-Möller S. **Eur Heart J** 1986 Apr;7(4):299–304

Range of normal values for left and right ventricular ejection fraction at rest and during exercise assessed by radionuclide angiocardiography. Pfisterer ME, et al. **Eur Heart J** 1985 Aug;6(8):647–55

The influence of hyperventilation on the measurement of stroke volume using a CO2 rebreathing method. Ohlsson J, et al. **Eur J Appl Physiol** 1986;55(1):19–23

Ejection fraction by combined inverse Fourier analysis and second-derivative technique: correlation with isocontour method. Balachandran S, et al. **Eur J Nucl Med** 1986; 12(2):69–71

A comparison of two radionuclide ejection-fraction techniques with contrast angiography in ischemic heart disease and valvular heart disease. Hassan IM, et al. **Eur J Nucl Med** 1986;11(12):474–7

Clinical validation of fully-automated contour detection for gated radionuclide ventriculography with a slant-hole collimator. Hosoba M, et al. **Eur J Nucl Med** 1986; 12(2):53–9

Verification of Fourier phase and amplitude values from simulated heart motion using a hydrodynamic cardiac model. Yiannikas J, et al. **Eur J Nucl Med** 1986; 11(10):375–80

Identification of time-varying ventricular parameters during the ejection phase. Abutaleb AS, et al. **IEEE Trans Biomed Eng** 1986 Mar;33(3):370–8

Measurement of ventricular volume by intracardiac impedance: theoretical and empirical approaches. Salo RW, et al. **IEEE Trans Biomed Eng** 1986 Feb;33(2):189–95

Changes in left ventricular ejection time based cardiac output in pilots & non-pilots during orthostatic stress. Dikshit MB, et al. **Indian J Med Res** 1986 Mar;83:301–3

Thermodilution measurement of right ventricular ejection fraction with a modified pulmonary artery catheter. Vincent JL, et al. **Intensive Care Med** 1986;12(1):33–8

A prospective clinical, scintigraphic, angiographic and functional evaluation of patients after inferior myocardial infarction with and without right ventricular dysfunction. Haines DE, et al. **J Am Coll Cardiol** 1985 Nov; 6(5):995–1003

Accuracy of radionuclide ventriculography for estimation of left ventricular volume changes and end-systolic pressure-volume relations. Kronenberg MW, et al. **J Am Coll Cardiol** 1985 Nov;6(5):1064–72

Comparison of ejection fraction and pulmonary blood volume ratio as markers of left ventricular function change after coronary angioplasty. Liu P, et al. **J Am Coll Cardiol** 1986 Sep;8(3):511–6

Effects of physical deconditioning after intense endurance training on left ventricular dimensions and stroke volume. Martin WH 3d, et al. **J Am Coll Cardiol** 1986 May; 7(5):982–9

Should the intent of testing influence its interpretation? Rozanski A, et al. **J Am Coll Cardiol** 1986 Jan;7(1):17–24

Preservation of global and regional left ventricular function after early thrombolysis in acute myocardial infarction. Serruys PW, et al. **J Am Coll Cardiol** 1986 Apr;7(4):729–42

Effects of enhanced ventricular filling on cardiac pump performance in exercising dogs. Horwitz LD, et al. **J Appl Physiol** 1985 Dec;59(6):1886–90

Right and left ventricular dysfunction in patients with dilated cardiomyopathy: a study with equilibrium radionuclide ventriculography. Araki H, et al. **J Cardiogr** 1985 Mar; 15(1):155–61

Intraoperative right ventricular dysfunction detected with a right ventricular ejection fraction catheter. Hines R, et al. **J Clin Monit** 1986 Jul;2(3):206–8

Stroke volume—pulse pressure relationships in borderline hypertension: a possible indicator of decreased arterial compliance. Ferguson JJ, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S397–9

Gated right ventricular studies using krypton-81m: comparison with first-pass studies using gold-195m. Caplin JL, et al. **J Nucl Med** 1986 May;27(5):602–8

Evaluation of the accuracy of steady-state krypton-81m method for calculating right ventricular ejection fraction. Ham HR, et al. **J Nucl Med** 1986 May;27(5):593–601

Computer modeling of planar myocardial perfusion imaging: effect of heart rate and ejection fraction on wall thickness and chamber size. Machac J, et al. **J Nucl Med** 1986 May; 27(5):653–9

Gated xenon scans for right ventricular function. Martin W, et al. **J Nucl Med** 1986 May;27(5):609–15

Validation of radionuclide cardiac output measurements during exercise. Melin JA, et al. **J Nucl Med** 1985 Dec; 26(12):1386–93

Gated blood-pool scanning in the critically ill: a valuable

tool for clinical research [editorial] Parker MM, et al. **J Nucl Med** 1986 May;27(5):722–4

Effects of intracoronary thrombolysis on global left ventricular function assessed by an automated edge detection technique. van der Wall EE, et al. **J Nucl Med** 1986 Apr;27(4):478–83

Validation of left ventricular volume measurements by radionuclide angiography. Verani MS, et al. **J Nucl Med** 1985 Dec;26(12):1394–401

Computers in paediatrics: 15. Determination of left ventricular volumes using two-dimensional echocardiography. Tay JS, et al. **J Singapore Paediatr Soc** 1985;27(3–4):183–7

Reduced aortic cross-clamp time in high-risk patients with abdominal aortic aneurysm. Purdy RT, et al. **J Vasc Surg** 1986 May;3(5):820–3

Echocardiographic measurement of left ventricular stroke volume in newborn infants: a correlative study with pulsed Doppler and M-mode echocardiography. Walther FJ, et al. **JCU** 1986 Jan;14(1):37–41

Analysis of the left ventricular early diastolic function in old myocardial infarction by gated radionuclide angiography. Imai S, et al. **Jpn Circ J** 1985 Jul;49(7):672–8

Evaluation of left ventricular function using digital subtraction angiography. Kozuka T, et al. **Jpn Circ J** 1985 Jul;49(7):710–8

Left ventricular responses to supine bicycle exercise assessed by radionuclide angiocardiography and a Swan-Ganz catheter. Yoshida A, et al. **Jpn Circ J** 1985 Jul;49(7):661–71

Evaluation of right ventricular function in patients with idiopathic dilated and ischemic cardiomyopathy by equilibrium radionuclide ventriculography. Caglar N, et al. **Jpn Heart J** 1986 Jan;27(1):1–9

Right ventricular function after extracardiac conduit repair for tetralogy of Fallot. A comparison among surgical approaches. Shimazaki Y, et al. **Jpn Heart J** 1985 Nov; 26(6):923–33

Correlation of the cardiogenic air flow in the respiratory airway (i.e. the pneumocardiogram) with left ventricular stroke volume in dogs. Wessale JL, et al. **Jpn Heart J** 1985 Sep;26(5):777–85

Does it help to know the left-ventricular ejection fraction? [letter] **Lancet** 1986 Apr 19;1(8486):909

Relation between LVEDP and a/b index [letter] **Lancet** 1986 Jun 14;1(8494):1384

Non-invasive measurement of LVEDP [letter] Gibbs JL, et al. **Lancet** 1986 Jun 14;1(8494):1383–4

Prospective, randomised, double-blind study of radionuclide determination of left-ventricular ejection fraction in acute myocardial infarction. Gjørup T, et al. **Lancet** 1986 Mar 15;1(8481):583–5

The cold pressor test during radionuclide ventriculography: a feasibility study in cancer patients. Verwey J. et al. **Med Oncol Tumor Pharmacother** 1986;3(1):11–4

The role of early radionuclide ejection fraction in predicting early mortality after acute myocardial infarction in the elderly. Green SJ, et al. **Mt Sinai J Med (NY)** 1985 Oct; 52(8):618–22

Coronary revascularization for recurrent pulmonary edema in elderly patients with ischemic heart disease and preserved ventricular function. Kunis R, et al. **N Engl J Med** 1985 Nov 7;313(19):12\)7–10

Correlation of left ventricular ejection fraction and plasma atrial natriuretic peptide in congestive heart failure [letter] Schiffrin EL, et al. **N Engl J Med** 1986 Sep 18; 315(12):765–6

Dependence of ejection fraction results on choice of algorithms for a cardiac phantom. Cradduck TD, et al. **Nucl Med Commun** 1986 Jan;7(1):33–44

Left ventricular ejection fraction determined with the nuclear stethoscope, gamma camera and contrast ventriculography. Lund O, et al. **Nucl Med Commun** 1986 May;7(5):337–48

Radionuclide cardiac ejection fractions: a useful disparity between LAO and LPO views. Rutland MD. **Nucl Med Commun** 1986 Mar;7(3):197–203

Improved accuracy of ejection fraction measurements using a commercial cardiac phantom. Tonge CM, et al. **Nucl Med Commun** 1986 Jan;7(1):65–9

Short-lived 195mAu for evaluation of left ventricular function by first-pass radionuclide angiography. Van der Wall EE, et al. **Nuklearmedizin** 1985 Aug;24(4):191–2

The contractility and performance of the preterm left ventricle before and after early patent ductus arteriosus occlusion in surfactant-treated lambs. Baylen BG, et al. **Pediatr Res** 1985 Oct;19(10):1053–8

Veterans Administration Cooperative Study of medical versus surgical treatment for stable angina—progress report. Section 9. Effect of medical versus surgical treatment on resting left ventricular ejection fraction at five years. Detre K, et al. **Prog Cardiovasc Dis** 1986 Jan–Feb;28(4):293–9

Functional imaging of the heart: methods, limitations, and examples from gated blood pool scintigraphy. Green MV, et al. **Prog Cardiovasc Dis** 1986 Mar–Apr;28(5):319–48 (62 ref.)

Maternal heart rate and stroke volume in the pygmy goat: effects of exercise and cardiac autonomic blockade. Hosenpud JD, et al. **Q J Exp Physiol** 1986 Jan;71(1):59–65

Cardiac magnetic resonance imaging: the Massachusetts General Hospital experience. Miller SW, et al. **Radiol Clin North Am** 1985 Dec;23(4):745–64

Ejection fraction determination by MR imaging: comparison with left ventricular angiography. Stratemeier EJ, et al. **Radiology** 1986 Mar;158(3):775–7

Left ventricular function evaluation using radionuclide methods in the intensive coronary care unit. van Aswegen A, et al. **Radiology** 1986 Jan;158(1):252–3

Oscillatory cardiopulmonary effects of high-frequency jet ventilation. Gotshall RW, et al. **Respiration** 1986; 49(4):283–91

Ejection fraction response of the left ventricle of the heart to acute cerebrovascular accident in patients with coronary artery disease. Front D, et al. **Stroke** 1986 Jul–Aug; 17(4):613–6

Angiocardiographic estimation of left and right ventricular volume characteristics in normal infants and children. Akiba T, et al. **Tohoku J Exp Med** 1985 Jul;146(3):313–20

Effects of coronary artery stenosis on left ventricular end-ejection pressure-ejected volume relationships in isolated perfused canine hearts. Maruyama Y, et al. **Tohoku J Exp Med** 1985 Dec;147(4):389–402

Adriamycin and epirubicin treatment monitored by radionuclide ejection fraction during therapy and follow-up. Crippa F, et al. **Tumori** 1985 Oct 31; 71(5):469–75

Myocardial performance and efficiency as assessed by energetic parameters derived from pressure-volume relations and wall thickness in human ventricles. Holubarsch C, et al. **Z Kardiol** 1986;75 Suppl 2:100–4

Combined first-pass and equilibrium radionuclide ventriculography for non-invasive quantification of aortic and/or mitral regurgitation—comparison with the left/right ventricular stroke count ratio. Klepzig H Jr, et al. **Z Kardiol** 1986;75 Suppl 2:24–7

Chronic aortic regurgitation: dependence of postoperative course from preoperative left ventricular end-diastolic volume and regurgitated blood volume. Klepzig H Jr, et al. **Z Kardiol** 1986;75 Suppl 2:120–3

[Experimental study measuring human cardiac stroke volume by admittance plethysmography with constant voltage] Cheng XR. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1985 Sep; 13(4):275–7 (Chi)

[Angiographic ejection fraction for predicting the prognosis of valve replacement] Xi XH, et al. **Chung Hua Nei Ko Tsa Chih** 1985 Jul;24(7):409–11, 446 (Eng. Abstr.) (Chi)

[Coronary surgery in patients with poor ventricular function] De Paepe JP, et al. **Acta Chir Belg** 1986 Jan–Feb;86(1):21–5 (Eng. Abstr.) (Fre)

[Determination of the ejection fraction of the left ventricle by videodensitometric analysis of digital angiography. Preliminary results] Angel CY, et al. **Arch Mal Coeur** 1985 Aug;78(8):1174–80 (Eng. Abstr.) (Fre)

[Aortic stenosis with low preoperative ejection fraction. Long-term postoperative hemodynamic and angiographic studies] Saoudi NC, et al. **Arch Mal Coeur** 1985 Sep; 78(9):1399–407 (Eng. Abstr.) (Fre)

[Variable heart time volumes with physiologic cardiac pacemaker. Too few heart patients receive a modern 2 chamber pacemaker] Schwing C. **Fortschr Med** 1985 Nov 14;103(42):78–9 (Ger)

[Determination of right ventricular ejection fraction (RVEF) with 133Xenon in children with heart diseases using the single probe method] Gottschild D, et al. **Radiol Diagn (Berl)** 1985;26(4):547–51 (Eng. Abstr.) (Ger)

Hämmerlein M, et al. **Radiol Diagn (Berl)** 1985;26(4):529–37 (Eng. Abstr.) (Ger)

[The stunned myocardium: ischemia-induced reversible myocardial dysfunction] Sepulcri F, et al. **Schweiz Med Wochenschr** 1986 Jan 25;116(4):109–16 (Eng. Abstr.) (Ger)

[Comparison of left ventricular end-diastolic volume determined by radionuclide ventriculography, by contrast-media ventriculography and by a geometry-independent method] Richter P, et al. **Z Kardiol** 1986 Feb;75(2):107–12 (Eng. Abstr.) (Ger)

[Ejection fraction and average rate of circumferential contraction of the left ventricle evaluated by the apex cardiogram. Correlation with echocardiographic and angiographic measurements] Bernardini B, et al. **Cardiologia** 1982;27(1):69–74 (Ita)

[Non-invasive evaluation of left ventricular performance in patients with ischemic heart disease by echocardiography and systolic intervals] Galanti G, et al. **Cardiologia** 1985 Apr;30(4):291–6 (Eng. Abstr.) (Ita)

[Methods of determination of stroke volume from M-mode echocardiogram of the aortic valve and aortic root. A comparative evaluation] Arancio F, et al. **G Ital Cardiol** 1985 Jun;15(6):600–7 (Eng. Abstr.) (Ita)

[Prognostic setting and bloodless hemodynamic evaluation of acute myocardial infarct with equilibrium radioisotopic ventriculography] Mauri F, et al. **G Ital Cardiol** 1986 May; 16(5):392–400 (Eng. Abstr.) (Ita)

[Evaluation of left ventricular ejection fraction in coronary disease patients by the gated blood pool method and cineangiography. Critical analysis of divergences between the 2 methods] Mazzotta G, et al. **G Ital Cardiol** 1985 Apr; 15(4):425–32 (Eng. Abstr.) (Ita)

[Extension of necrosis and left ventricular function in recent myocardial infarct. Correlation between a QRS scoring system and various echocardiographic indexes] Ricci R, et al. **G Ital Cardiol** 1985 Sep;15(9):856–61 (Eng. Abstr.) (Ita)

[Possibility of determination of the value of the ejection fraction of the left ventricle with non-invasive methods in ischemic cardiopathy] Canziani R, et al. **Minerva Cardioangiol** 1985 Oct;33(10):607–22 (Eng. Abstr.) (Ita)

[Evaluation of left ventricular function in patients with previous myocardial infarct. Study with the nuclear stethoscope] Greco V, et al. **Minerva Cardioangiol** 1985 Sep;33(9):535–42 (Eng. Abstr.) (Ita)

[Validity of the echocardiographic method in the determination of systolic output in pregnancy] Lo Cicero G, et al. **Minerva Cardioangiol** 1985 Apr;33(4):187–90 (Eng. Abstr.) (Ita)

[Correlation between echocardiographic and angioscintigraphic methods in the study of the ejection fraction in subjects with dilated cardiomyopathy] Sardeo C, et al. **Minerva Cardioangiol** 1986 May;34(5):281–4 (Eng. Abstr.) (Ita)

[Right ventricular function assessed by scintigraphy using continuous infusion of krypton-81 m] Miyamoto A, et al. **J Cardiogr** 1986;16 Suppl 8:53–62 (Eng. Abstr.) (Jpn)

[Radionuclide ventriculographic evaluation of left ventricular systolic function in acute myocardial infarction] Ohsuzu F, et al. **J Cardiogr** 1986;16 Suppl 8:43–52 (Eng. Abstr.) (Jpn)

[Left ventricular function in hypertrophic cardiomyopathy: a Tc-99m radionuclide angiographic study during exercise] Takahashi H, et al. **J Cardiogr** 1986;16 Suppl 8:63–73 (Eng. Abstr.) (Jpn)

[Detection of right ventricular pressure overloading comparing the right ventricular uptake rate (RVUR) and right ventricular ejection fraction (RVEF)] Hayashida K, et al. **Kaku Igaku** 1986 Mar;23(3):237–42 (Eng. Abstr.) (Jpn)

[Study of concentration correction for the first pass method—application to right ventricular ejection fraction] Iwata K, et al. **Kaku Igaku** 1986 Jan;23(1):1–8 (Eng. Abstr.) (Jpn)

[A QRS scoring system for assessing left ventricular function and myocardial infarct size] Kanemoto N, et al. **Kaku Igaku** 1985 Nov;22(11):1671–7 (Eng. Abstr.) (Jpn)

[Left ventricular diastolic filling in patients with systemic hypertension] Narita M, et al. **Kaku Igaku** 1985 Oct; 22(10):1529–37 (Eng. Abstr.) (Jpn)

[Determination of the right ventricular ejection fraction using the first transit clearance technic] Taki J, et al. **Kaku Igaku** 1986 Mar;23(3):221–5 (Eng. Abstr.) (Jpn)

[A quantitative evaluation of left ventricular function by digital subtraction angiography without contrast medium: time-activity curve and Fourier analysis] Ikeda H, et al. **Kokyu To Junkan** 1985 Dec;33(12):1495–500 (Eng. Abstr.) (Jpn)

[A fully automated determination of left ventricular ejection fraction using gated blood pool scan] Nishimura T, et al. **Kokyu To Junkan** 1986 May;34(5):509–13 (Jpn)

[Noninvasive identification of high-risk coronary artery disease patients; the role of rest-exercise LVEF and transient-persistent defect] Nishimura T, et al. **Kokyu To Junkan** 1985 Aug;33(8):1011–6 (Eng. Abstr.) (Jpn)

[Results of coronary artery bypass grafting in patients with poor left ventricular function] Tsushima Y, et al. **Kyobu Geka** 1986 Jan;39(1):15–8 (Eng. Abstr.) (Jpn)

[New theoretical analysis of cardiac function curves. 1. Venous return curve with ventricular function curve, derived from Guyton's formula] Kainuma M. **Masui** 1986 Feb;35(2):330–3 (Eng. Abstr.) (Jpn)

[M-mode transesophageal aortic valve echogram as a reflection of left ventricular stroke volume during coronary artery bypass graft] Moriwaki K, et al. **Masui** 1985 Oct; 34(10):1347–52 (Eng. Abstr.) (Jpn)

[Effect of aortocoronary bypass surgery on left ventricular function and coronary sinus blood flow in patients with severe left ventricular dysfunction] Sakakibara T, et al. **Nippon Geka Gakkai Zasshi** 1985 Dec;86(12):1646–53 (Eng. Abstr.) (Jpn)

[Long-term results of aortic valve replacement—postoperative prognosis in patients with markedly depressed left ventricular function] Taniguchi K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Jul; 33(7):1069–77 (Eng. Abstr.) (Jpn)

[Evaluation of vectorcardiographic findings for estimating left ventricular function in acute myocardial infarction] Kanamaru S. **Nippon Naika Gakkai Zasshi** 1985 Jul; 74(7):898–908 (Jpn)

[Abnormalities of segmental contraction in chronic aortic valve insufficiency] Gonçalves MT, et al. **Arq Bras Cardiol** 1985 Nov;45(5):361–3 (Eng. Abstr.) (Por)

[Left ventricular ejection fraction in patients with severe coronary disease and normal resting electrocardiogram] Guillermo-Cal L, et al. **Arq Bras Cardiol** 1985 Mar; 44(3):177–80 (Eng. Abstr.) (Por)

[Reperfusion during acute myocardial infarction: questions that remain obscure] Haendchen RV. **Arq Bras Cardiol** 1985 Jul;45(1):61–7 (Por)

[Behavior of volume, mass, compliance, shortening velocity measures, contractility indices and effort (stress) of the left ventricle in chronic mitral insufficiency] Peixoto EC, et al. **Arq Bras Cardiol** 1985 Oct;45(4):225–31 (Eng. Abstr.) (Por)

[Changes in left ventricular function in systemic arterial hypertension] Peixoto EC, et al. **Arq Bras Cardiol** 1985 Sep;45(3):161–6 (Eng. Abstr.) (Por)
[Evaluation of ventricular ejection time in patients with atrial fibrillation] Pereira MS, et al. **Arq Bras Cardiol** 1985 May; 44(5):339–45 (Eng. Abstr.) (Por)
[Telesystolic loop ventricular stress in the study of left ventricular function in chronic mitral insufficiency] Studart PC, et al. **Arq Bras Cardiol** 1985 Jun;44(6):377–81 (Eng. Abstr.) (Por)
[Non-invasive evaluation of the stroke volume from the phase structure of the left ventricular systole] Vostrikov VA, et al. **Anesteziol Reanimatol** 1986 Jan–Feb;(1):44–6 (Eng. Abstr.) (Rus)
[Obstruction of left ventricular ejection in mitral prosthesis] Markhasina IP. **Grudn Khir** 1986 Mar–Apr;(2):82–4 (Rus)
[Afferent systems of the heart as the means of stabilizing stroke volume and the current value of the minute volume] Boenko ID, et al. **Kardiologiia** 1986 May;26(5):91–4 (Eng. Abstr.) (Rus)
[Thyroid hormone content of the blood plasma and functional state of the myocardium in patients with chronic forms of ischemic heart disease] Fitilev SB, et al. **Kardiologiia** 1985 Jul;25(7):99–102 (Eng. Abstr.) (Rus)
[System for indirect determination of cardiac stroke volume by intra-aortic balloon pumping] Elizarova TA, et al. **Med Tekh** 1986 Mar–Apr;(2):5–9 (Eng. Abstr.) (Rus)
[Stroke volume distribution in the body of dogs with spontaneous periodontitis studied using 125I-microspheres of albumin] Khachirov DG, et al. **Stomatologiia (Mosk)** 1986 Jul–Aug;65(4):11–3 (Eng. Abstr.) (Rus)
[Angiographic sequential analysis of left ventricular ejection in the coronary patient. Diagnostic valve of the "reserve ejection fraction"] Gómez Marino MA, et al. **Rev Esp Cardiol** 1985 Nov–Dec;38(6):421–7 (Eng. Abstr.) (Spa)

DRUG EFFECTS

Acute effect of nifedipine on blood pressure and left ventricular ejection fraction in severely hypertensive outpatients: predictive effects of acute therapy and prolonged efficacy when added to existing therapy. Jennings AA, et al. **Am Heart J** 1986 Mar;111(3):557–63
Effects of nifedipine on hemodynamics and cardiac function in patients with normal left ventricular ejection fraction already treated with propranolol. Elkayam U, et al. **Am J Cardiol** 1986 Sep 1;58(6):536–40
Prospective evaluation of doxorubicin cardiotoxicity by rest and exercise radionuclide angiography. Palmeri ST, et al. **Am J Cardiol** 1986 Sep 15;58(7):607–13
Preliminary study of the effects of low flow oxygen on oxygen delivery and right ventricular function in chronic lung disease. Morrison DA, et al. **Am Rev Respir Dis** 1986 Mar;133(3):390–5
Response of left ventricular ejection fraction to recovery from general anesthesia: measurement by gated radionuclide angiography. Coriat P, et al. **Anesth Analg** 1986 Jun;65(6):593–600
Left ventricular end-systolic pressure-volume relationships as a measure of ventricular performance. Kissling G, et al. **Basic Res Cardiol** 1985 Nov–Dec;80(6):594–607
Comparative effects of celiprolol and metoprolol on left ventricular volume in coronary artery disease. Silke B, et al. **Br J Clin Pract [Symp Suppl]** 1985 Jun;40:45
The influence of intrinsic sympathomimetic activity on regional left ventricular function; use of regional ejection fraction to demonstrate a beneficial action by pindolol over propranolol on hypokinetic segments. Johnston DL, et al. **Can J Cardiol** 1985 May–Jun;1(3):174–9
Right ventricular function and pulmonary hemodynamics during dopamine infusion in burned patients. Martyn J, et al. **Chest** 1986 Mar;89(3):357–60
Effect of oral alcohol on left ventricular ejection fraction, volumes, and segmental wall motion in normals and in patients with recent myocardial infarction. Gould L, et al. **Clin Cardiol** 1985 Nov;8(11):576–82
Cardiovascular actions of xamoterol (ICI 118,587) in anaesthetized cats, rats, and guinea pigs. Mian MA, et al. **J Cardiovasc Pharmacol** 1986 Mar–Apr;8(2):314–23
[Echocardiographic evaluation in pediatric patients treated with anthracyclines] Accornero M, et al. **Minerva Pediatr** 1985 Sep 30;37(18):671–7 (Eng. Abstr.) (Ita)
[Diazepam with fentanyl aggravates left ventricular function after myocardial revascularization] Okamoto K, et al. **Masui** 1985 Oct;34(10):1329–35 (Eng. Abstr.) (Jpn)

STRONGYLE INFECTIONS, EQUINE

DRUG THERAPY

Use of oxibendazole for control of cambendazole-resistant small strongyles in a band of ponies: a six-year study. Drudge JH, et al. **Am J Vet Res** 1985 Dec;46(12):2507–11
Effectiveness of oxfendazole against early and later 4th-stage Strongylus vulgaris in ponies. Slocombe JO, et al. **Am J Vet Res** 1986 Mar;47(3):495–500
Efficacy of ivermectin against nematodes of horses, including small strongyles resistant to benzimidazole. Burrows RO, et al. **Aust Vet J** 1985 Oct;62(10):343–4
Integrated control of Strongylus vulgaris infection in horses using ivermectin. Dunsmore JD. **Equine Vet J** 1985 May; 17(3):191–5
Prevalence of benzimidazole-resistant small strongyles in horses in a southeastern Pennsylvania practice. Uhlinger C, et al. **J Am Vet Med Assoc** 1985 Dec 15;187(12):1362–6
Prevalence and control of benzimidazole-resistant small strongyles on German thoroughbred studs. Bauer C, et al. **Vet Parasitol** 1986 Aug;21(3):189–203
Efficacy of ivermectin paste against Strongyloides westeri in foals. Ryan WG, et al. **Vet Rec** 1985 Aug 24; 117(8):169–70
[Evaluation of the effectiveness of the preparation Eqvalan in the control of Nematoda in horses] Grzywiński L, et al. **Wiad Parazytol** 1986;32(2):199–202 (Eng. Abstr.) (Pol)

ETIOLOGY

Large strongyles. Recent advances. Drudge JH, et al. **Vet Clin North Am [Equine Pract]** 1986 Aug;2(2):263–80 (49 ref.)

OCCURRENCE

Seasonal changes in pasture infectivity by equine cyathostomes in north central Florida. Courtney CH, et al. **Equine Vet J** 1985 May;17(3):240–2
Epidemiological approach to the control of horse strongyles. Herd RP, et al. **Equine Vet J** 1985 May;17(3):202–7
Observations on the population dynamics of five cyathostome nematode species of horses in northern USA. Reinemeyer CR, et al. **Equine Vet J** 1986 Mar;18(2):121–4

PARASITOLOGY

Larval cyathostomiasis (immature trichonema-induced enteropathy): a report of 15 clinical cases. Giles CJ, et al. **Equine Vet J** 1985 May;17(3):196–201
Small strongyles. Recent advances. Reinemeyer CR. **Vet Clin North Am [Equine Pract]** 1986 Aug;2(2):281–312 (87 ref.)

PHYSIOPATHOLOGY

Evaluation of the myoelectrical activity of the equine ileum infected with Strongylus vulgaris larvae. Berry CR, et al. **Am J Vet Res** 1986 Jan;47(1):27–30

TRANSMISSION

Control of strongylosis in horses by alternate grazing of horses and sheep and some other aspects of the epidemiology of Strongylidae infections. Eysker M, et al. **Vet Parasitol** 1986 Jan;19(1–2):103–15

STRONGYLOIDEA

Seasonal distribution of infective strongyle larvae on horse pastures. Herd RP, et al. **Equine Vet J** 1985 May; 17(3):235–7
Strongyloides planiceps (Nematoda; Strongyloididae) in some wild carnivores. Fukase T, et al. **Nippon Juigaku Zasshi** 1985 Aug;47(4):627–32

ANALYSIS

Inorganic elements in adult Ternidens deminutus (Nematoda: Strongylidae: Oesophagostominae) from humans and baboons. Goldsmid JM. **J Helminthol** 1986 Jun;60(2):147–8

GROWTH & DEVELOPMENT

Fenbendazole in equids: further controlled tests with emphasis on activity of multiple doses against naturally occurring infections of migratory large strongyles. Lyons ET, et al. **Am J Vet Res** 1986 Feb;47(2):317–21

PATHOGENICITY

Control of strongylosis in horses by alternate grazing of horses and sheep and some other aspects of the epidemiology of Strongylidae infections. Eysker M, et al. **Vet Parasitol** 1986 Jan;19(1–2):103–15

STRONGYLOIDES

DRUG EFFECTS

[Study of compounds with potential antiparasitic action. VII. Ether derivatives of perhydro-1,4-thiazepine] Kadłubowski R, et al. **Wiad Parazytol** 1985;31(2):163–8 (Eng. Abstr.) (Pol)

GROWTH & DEVELOPMENT

[Preliminary observations on the development of Strongyloides papillosus (Wedl, 1856) in Poland] Ziomko I. **Wiad Parazytol** 1986;32(1):65–8 (Eng. Abstr.) (Pol)

IMMUNOLOGY

Strongyloides ratti: increase in susceptibility to infection following blockade of the mononuclear phagocyte system in female mice. Abe T, et al. **Aust J Exp Biol Med Sci** 1985 Dec;63 (Pt 6):651–3
Intradermal reactions in strongyloidiasis. Sato Y, et al. **Int J Parasitol** 1986 Feb;16(1):87–91
Diagnostic implications of parasite-specific immune responses in immunocompromised patients with strongyloidiasis. Genta RM, et al. **J Clin Microbiol** 1986 Jun;23(6):1099–103
Immunological aspects of murine infection with the rat nematode Strongyloides ratti Sandground, 1925. Friedlander A, et al. **Z Parasitenkd** 1986;72(4):493–509
IgE response in Strongyloides ratti-infected rats with special reference to the life cycle of the parasite. Korenaga M, et al. **Z Parasitenkd** 1986;72(2):213–20

ISOLATION & PURIFICATION

[Rapid method of concentrating Strongyloides stercoralis larvae in masses in fecal materials] Ionescu H. **Rev Ig [Bacteriol]** 1985 Apr–Jun;30(2):161–8 (Rum)

PHYSIOLOGY

Elucidation of Strongyloides stercoralis by bacterial-colony displacement. Panosian KJ, et al. **J Clin Microbiol** 1986 Jul;24(1):86–8
The effect of method of infection on the pathway of juvenile Strongyloides ratti in the host. Wilson PA, et al. **J Helminthol** 1986 Jun;60(2):79–91

STRONGYLOIDIASIS

[Granulomatous hepatitis caused by Strongyloides stercoralis. Report of a case with histological confirmation] López JE, et al. **GEN** 1984 Jul–Dec;38(3–4):133–43 (Eng. Abstr.) (Spa)

BLOOD

[Inhibition of Plasmodium berghei in rats infested with Strongyloides ratti or Trichinella spiralis; role of high blood corticosterone in reaction to the development of helminths] Bailenger J, et al. **Ann Parasitol Hum Comp** 1985; 60(4):435–43 (Eng. Abstr.) (Fre)

CHEMICALLY INDUCED

Larva currens following systemic steroid therapy in a case of strongyloidiasis. Orecchia G, et al. **Dermatologica** 1985; 171(5):366–7
Strongyloidiasis and glucocorticoids: case report. Kebede D. **Va Med** 1986 Feb;113(2):104–5

COMPLICATIONS

Strongyloides stercoralis hyperinfestation syndrome with Escherichia coli meningitis: report of two cases. Smallman LA, et al. **J Clin Pathol** 1986 Apr;39(4):366–70
Severe diarrhea and intestinal strongyloidiasis in a patient with adult T-cell leukemia. Terada A, et al. **Nippon Ketsueki Gakkai Zasshi** 1985 Jul;48(4):1109–13
Parasitic rheumatism presenting as oligoarthritis. A case report. de Jonge-Bok JM, et al. **Trop Geogr Med** 1985 Dec; 37(4):367–8
[The 17-year course of Whipple's disease associated with larva currens as a manifestation of strongyloidosis (letter)] Gras C, et al. **Gastroenterol Clin Biol** 1986 Apr;10(4):367 (Fre)
[Recurring anguilluliasis and pleomorphic T lymphoma associated with anti-HTLV-I antibodies (letter)] Gessain A, et al. **Presse Med** 1985 Sep 14;14(30):1610–1 (Fre)
[A case of adult T-cell leukemia with disseminated strongyloidiasis] Matsui T, et al. **Rinsho Ketsueki** 1985 Jul; 26(7):1159–64 (Eng. Abstr.) (Jpn)
[Strongyloidiasis and eosinophilia (letter)] Vallada EP. **Rev Paul Med** 1985 Sep–Oct;103(5):272 (Por)

DIAGNOSIS

Pulmonary strongyloidiasis. Diagnosis by sputum gram stain. Smith B, et al. **Am J Med** 1985 Nov;79(5):663–6
Fatal disseminated strongyloidiasis in a Vietnam War veteran. Hakim SZ, et al. **Arch Pathol Lab Med** 1986 Sep; 110(9):809–12
Intradermal reactions in strongyloidiasis. Sato Y, et al. **Int J Parasitol** 1986 Feb;16(1):87–91
Elucidation of Strongyloides stercoralis by bacterial-colony displacement. Panosian KJ, et al. **J Clin Microbiol** 1986 Jul;24(1):86–8
[Clinical aspects and treatment of strongyloidiasis combined with other intestinal helminthiases in residents of the tropics] Tikhomirova EP, et al. **Med Parazitol (Mosk)** 1985 Sep–Oct;(5):42–6 (Eng. Abstr.) (Rus)

DRUG THERAPY

Cyclosporine may eliminate the threat of overwhelming strongyloidiasis in immunosuppressed patients [letter] Schad GA. **J Infect Dis** 1986 Jan;153(1):178
Treatment of human strongyloidiasis with cambendazole, a new anthelminthic. Double-blind study. Barański MC, et al. **Mater Med Pol** 1983 Jan–Jun;15(1–2):36–8
[Delimitation of the anthelmintic activity of albendazole. Study concerning human strongyloidiasis] Amato Neto V, et al. **Rev Inst Med Trop Sao Paulo** 1985 Mar–Apr; 27(2):95–8 (Eng. Abstr.) (Por)

ETIOLOGY

Strongyloides stercoralis hyperinfection associated with cimetidine in an immunosuppressed patient: diagnosis by endoscopic biopsy. Ainley CC, et al. **Gut** 1986 Mar;

27(3):337–8
Strongyloides stercoralis hyperinfection as a consequence of immunosuppressive treatment. van der Woude FJ, et al. **Neth J Med** 1985;28(8):315–7
[Strongyloidiasis after immunosuppressive treatment of chronic lymphocytic leukemia] Rafael C. **Harefuah** 1986 Jan 1;110(1):19–20 (Eng. Abstr.) **(Heb)**
[Infections and parasite infestations in the defenseless host] Esposito R, et al. **G Ital Chemioter** 1985 Jan–Apr; 32(1):255–8 (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

Strongyloides ratti: increase in susceptibility to infection following blockade of the mononuclear phagocyte system in female mice. Abe T, et al. **Aust J Exp Biol Med Sci** 1985 Dec;63 (Pt 6):651–3
Interactions of Strongyloides ratti free-living and skin-penetrated infective larvae and parasitic adults with serum and cells in vitro. Grove DI, et al. **Aust J Exp Biol Med Sci** 1985 Oct;63 (Pt 5):521–9
Diagnostic implications of parasite-specific immune responses in immunocompromised patients with strongyloidiasis. Genta RM, et al. **J Clin Microbiol** 1986 Jun;23(6):1099–103
Biology and immunology of human strongyloidiasis. Neva FA. **J Infect Dis** 1986 Mar;153(3):397–406 (49 ref.)
Strongyloides stercoralis: parasitological, immunological and pathological observations in immunosuppressed dogs. Genta RM, et al. **Trans R Soc Trop Med Hyg** 1986; 80(1):34–41
Immunological aspects of murine infection with the rat nematode Strongyloides ratti Sandground, 1925. Friedlander A, et al. **Z Parasitenkd** 1986;72(4):493–509
IgE response in Strongyloides ratti-infected rats with special reference to the life cycle of the parasite. Korenaga M, et al. **Z Parasitenkd** 1986;72(2):213–20

OCCURRENCE

Strongyloidiasis in Canadian Far East war veterans. Proctor EM, et al. **Can Med Assoc J** 1985 Nov 1;133(9):876–8

PARASITOLOGY

Strongyloides stercoralis infections in the muscles of mice: a model for investigating the systemic phase of strongyloidiasis. Grove DI, et al. **Pathology** 1986 Jan; 18(1):72–6

PATHOLOGY

Periumbilical purpura in disseminated strongyloidiasis. Kalb RE, et al. **JAMA** 1986 Sep 5;256(9):1170–1
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 13–1986. A 66-year-old Greek man with abdominal pain during treatment for metastatic prostatic carcinoma. **N Engl J Med** 1986 Apr 3;314(14):903–13

RADIOGRAPHY

[Enteritis caused by Strongyloides stercoralis] Vigo M, et al. **Radiol Med (Torino)** 1985 Jun;71(6):443–4 **(Ita)**

TRANSMISSION

The effect of method of infection on the pathway of juvenile Strongyloides ratti in the host. Wilson PA, et al. **J Helminthol** 1986 Jun;60(2):79–91

VETERINARY

Strongylid parasites of horses: experimental ecology of the free-living stages on the Canadian prairie. Polley L. **Am J Vet Res** 1986 Aug;47(8):1686–93

STRONGYLOSIS, EQUINE see **STRONGYLE INFECTIONS, EQUINE**

STRONGYLUS see under **STRONGYLOIDEA**

STRONTIUM

ADVERSE EFFECTS

[Status of central hemodynamics among workers involved in the production of strontium salts] Zaslavskaia AG, et al. **Vrach Delo** 1986 Jan;(1):100–2 (Eng. Abstr.) **(Rus)**

ANALYSIS

Bone chemistry and prehistoric diet: strontium studies of laboratory rats. Price TD, et al. **Am J Phys Anthropol** 1986 Jul;70(3):365–75
Thermodynamics of the binding of calcium and strontium to bovine alpha-lactalbumin. Schaer JJ, et al. **FEBS Lett** 1985 Oct 7;190(1):77–80
The relation between caries prevalence and strontium concentrations in drinking water, plaque, and surface enamel. Curzon ME. **J Dent Res** 1985 Dec;64(12):1386–8

BLOOD

Increase in blood plasma levels of boron and strontium in hemodialyzed patients. Mauras Y, et al. **Clin Chim Acta** 1986 May 15;156(3):315–20

DIAGNOSTIC USE

The assessment of intestinal calcium absorption using stable strontium. Reid IR, et al. **Calcif Tissue Int** 1986 May; 38(5):303–5

METABOLISM

The effect of Mg2+ on hepatic microsomal Ca2+ and Sr2+ transport. Fleschner CR, et al. **Eur J Biochem** 1986 Jan 15;154(2):313–20
Is there Ca2+(Sr2+)-3-hydroxybutyrate symport in rat-liver mitochondria? A reappraisal. Moody AJ, et al. **Eur J Biochem** 1986 Jun 2;157(2):243–9
Effect of age on strontium-calcium discrimination by rat tissues. Kshirsagar SG. **Indian J Exp Biol** 1985 Jul; 23(7):366–9
Evidence that the Sr2+ activation properties of cardiac troponin C are altered when substituted into skinned skeletal muscle fibers. Kerrick WG, et al. **J Biol Chem** 1985 Dec 15;260(29):15687–93

PHARMACODYNAMICS

Effects of strontium on calcium-dependent hexose transport in muscle. Bihler I, et al. **Can J Physiol Pharmacol** 1986 Feb;64(2):176–9
Effect of fluoride, lithium or strontium on acid production by pelleted human dental plaque (short communication). Eisenberg AD, et al. **Caries Res** 1985;19(5):454–7
Barium and strontium as calcium substitutes for contractile responses in the rat tail artery. Ebeigbe AB, et al. **Comp Biochem Physiol [C]** 1985;82(1):213–6
Inactivation of potassium-evoked adrenomedullary catecholamine release in the presence of calcium, strontium or BAY-K-8644. Sala F, et al. **FEBS Lett** 1986 Feb 3; 196(1):34–8
The use of strontium-substituted media for capacitating human spermatozoa: an improved sperm preparation method for the zona-free hamster egg penetration test. Mortimer D, et al. **Fertil Steril** 1986 Jul;46(1):97–103
The effect of divalent metal ions on the electrophoretic mobility of bovine prothrombin and bovine prothrombin fragment 1. Deerfield DW 2d, et al. **J Biol Chem** 1986 Apr 15;261(11):4833–9
Comparison of the fertilizing ability of human spermatozoa preincubated in calcium- and strontium-containing media. Mortimer D. **J Exp Zool** 1986 Jan;237(1):21–4
The maintenance of axoplasmic transport by strontium and its localization in nerve fibers. Ochs S, et al. **J Neurobiol** 1986 Jan;17(1):55–61
Extracellular strontium substitutes for calcium in in vitro renin secretion. Churchill PC, et al. **J Pharmacol Exp Ther** 1986 Feb;236(2):331–3
Calcium and strontium activation of single skinned muscle fibres of normal and dystrophic mice. Fink RH, et al. **J Physiol (Lond)** 1986 Apr;373:513–25
Short-term effects of fluoride and strontium on bone formation and resorption in the mouse. Marie PJ, et al. **Metabolism** 1986 Jun;35(6):547–51
Inhibition of enamel dissolution rates by sodium fluoride and amine fluorides in presence or absence of strontium ions. Friedman M, et al. **Pharm Acta Helv** 1986;61(1):30–2
[Effect of Sr2+ and Ba2+ ions on synaptic transmission in smooth muscles of the gastrointestinal tract of guinea pig] Zagorodniuk VP, et al. **Fiziol Zh** 1985 Jul–Aug; 31(4):455–62 (Eng. Abstr.) **(Rus)**
[Autoregulation of the contractile function of the myocardium in response to changes in the concentration of the activating cation] Kapel'ko VI, et al. **Fiziol Zh SSSR** 1986 Mar;72(3):357–62 (Eng. Abstr.) **(Rus)**
[Changes in the calcium action potentials of the neurons of the spinal ganglia in the rat in response to divalent cation substitution in the extracellular medium] Veselovskiĭ NS, et al. **Neirofiziologiia** 1986;18(2):202–7 (Eng. Abstr.) **(Rus)**
[Effect of strontium, barium and manganese ions on non-adrenergic inhibitory synaptic potentials and the action of ATP in the smooth muscle of the human intestine] Zagorodniuk VP. **Neirofiziologiia** 1986;18(3):406–9 (Eng. Abstr.) **(Rus)**

STRONTIUM RADIOISOTOPES

Enhanced proliferation of pulmonary alveolar macrophages after carbon instillation in mice depleted of blood monocytes by strontium-89. Evans MJ, et al. **Lab Invest** 1986 Feb;54(2):154–9
[Combined effect of 131I and bone-seeking radionuclides on hemopoiesis] Dobroskok AI. **Med Radiol (Mosk)** 1986 Jan; 31(1):60–2 **(Rus)**

ADMINISTRATION & DOSAGE

Selectively eliminated blood monocytes and splenic suppressor macrophages in mice depleted of bone marrow by strontium 89. Shibata Y, et al. **J Leukocyte Biol** 1985 Dec;38(6):659–69

ADVERSE EFFECTS

Bracken poisoning: a theory [letter] Burns J. **Vet Rec** 1986 Jul 5;119(1):23
[Effect of BCG vaccination on the incidence of the development of 90Sr-induced osteosarcomas in rats] Shvedov VL, et al. **Eksp Onkol** 1986;8(1):58–60 (Eng. Abstr.) **(Rus)**
[Effect of homologous immunoglobulin with normal anti-tissue antibodies on the development of strontium-90-induced osteosarcomas in rats] Shvedov VL, et al. **Radiobiologiia** 1986 May–Jun;26(3):405–8 (Eng. Abstr.) **(Rus)**

ANALYSIS

Distribution of Sr in the fetal skeleton. Kawamura H, et al. **Health Phys** 1986 Jan;50(1):159–62
[Chemical contamination of the daily meals of selected population groups. II. Preliminary analysis of the levels of heavy metals, chlorinated hydrocarbons, Cs-137 and Sr-90 in the meals in selected nursery schools] Amarowicz R, et al. **Roez Panstw Zakl Hig** 1985;36(6):461–6 (Eng. Abstr.) **(Pol)**

DIAGNOSTIC USE

Classification of osteosarcoma by 85-Sr scintimetry. Mazabraud A, et al. **Acta Orthop Scand** 1986 Feb;57(1):74–7

METABOLISM

Strontium retention in mouse foetuses at different intervals after contamination of the dam. Rönnbäck C. **Acta Radiol [Oncol]** 1986 Mar–Apr;25(2):155–9

THERAPEUTIC USE

Strontium 89 for palliation of bone metastases. Reddy EK, et al. **J Natl Med Assoc** 1986 Jan;78(1):27–32

STROPHANTHIDIN

ANALOGS & DERIVATIVES

A possible role for endogenous prostaglandins in the electrophysiological effects of acetylstrophanthidin on isolated canine ventricular tissues. Moffat MP, et al. **Circ Res** 1986 Apr;58(4):486–94
Inhibition of electrogenic Na-pumping attributable to binding of cardiac steroids to high-affinity pump sites in human atrium. Rasmussen HH, et al. **J Pharmacol Exp Ther** 1985 Dec;235(3):629–35

PHARMACODYNAMICS

The role of intracellular sodium activity in the inotropy potentiation among high [Ca]o' norepinephrine and strophanthidin. Abete P, et al. **Arch Int Pharmacodyn Ther** 1985 Nov;278(1):87–96
Reversal of strophanthidin negative inotropy by metabolic substrates in cardiac Purkinje fibres. Ishikawa S, et al. **Cardiovasc Res** 1985 Sep;19(9):537–51
Strophanthidin and potassium on intracellular sodium activity in sheep heart. Gretler DD. **J Mol Cell Cardiol** 1985 Nov; 17(11):1105–13
Strophanthidin inotropy: role of intracellular sodium ion activity and sodium-calcium exchange. Lee CO, et al. **J Mol Cell Cardiol** 1985 Nov;17(11):1043–53

G-STROPHANTHIN see **OUABAIN**

STROPHANTHINS

PHARMACODYNAMICS

[Comparative study on the effect of acetylcarnitine and carnitine on experimental hypoxic heart failure and their interactions with strophanthin K] Han BJ, et al. **Yao Hsueh Hsueh Pao** 1985 Aug;20(8):606–9 (Eng. Abstr.) **(Chi)**

THERAPEUTIC USE

[Possibilities for the strophanthin pharmacological correction of cardio- and hemodynamic disorders in dogs in the early stage of experimental lung-heart failure] Frantsuzova SB, et al. **Farmakol Toksikol** 1985 Jul–Aug;48(4):87–92 (Eng. Abstr.) **(Rus)**

STRUCTURE-ACTIVITY RELATIONSHIP

Prediction of toxicity using quantitative structure-activity relationships. Dura G, et al. **Arch Toxicol [Suppl]** 1985; 8:481–7
Application of principal component analysis to the study of quantitative structure-activity relationships by means of multiple regression analysis. Kubota T, et al. **Chem Pharm Bull (Tokyo)** 1985 Apr;33(4):1488–95
Monograph on structure-activity correlations in mechanism studies and predictive toxicology. **Environ Health Perspect** 1985 Sep;61:1–349
Partitioning and lipophilicity in quantitative structure-activity relationships. Dearden JC. **Environ Health Perspect** 1985 Sep;61:203–28 (171 ref.)
Substructural QSAR approaches and topological pharmacophores. Franke R, et al. **Environ Health Perspect** 1985 Sep;61:239–55 (53 ref.)
Predicting toxicity through a computer automated structure evaluation program. Klopman G.

Environ Health Perspect 1985 Sep;61:269–74
Parameter and structure–activity data bases: management for maximum utility. Leo A. **Environ Health Perspect** 1985 Sep; 61:275–85
Development of quantitative structure–pharmacokinetic relationships. Mayer JM, et al. **Environ Health Perspect** 1985 Sep;61:295–306 (122 ref.)
Use of selected toxicology information resources in assessing relationships between chemical structure and biological activity. Wasson JS. **Environ Health Perspect** 1985 Sep; 61:287–94
BACOMP—database of bioactive compounds for structure–activity relationship. Pajeva IK, et al. **Int J Biomed Comput** 1986 Jan;18(1):7–24
Computer-assisted studies of molecular structure–biological activity relationships. Jurs PC, et al. **J Chem Inf Comput Sci** 1985 Aug;25(3):296–308
On the significance of clusters in the graphical display of structure–activity data. McFarland JW, et al. **J Med Chem** 1986 Apr;29(4):505–14
Residuals in multiple regression analysis. Jeng YJ, et al. **J Pharm Sci** 1985 Oct;74(10):1053–7
[Structure–release relationships of active polymeric drug combinations. I. The influence of polymer structure on the diffusion of 3–methylpyrazole from monolithic systems] Schulz B, et al. **Pharmazie** 1985 Aug;40(8):548–52 (Eng. Abstr.) (Ger)

STRUMA OVARII

PATHOLOGY

Strumal carcinoid of the ovary. A case report. Takubo K, et al. **Acta Pathol Jpn** 1986 May;36(5):765–71
A strumal carcinoid primary in the ovary. De Wilde R, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Apr; 21(4):237–40
[Diagnosis of struma ovarii in a patient in treatment for thyroid carcinoma] Falsetti L, et al. **Ann Ostet Ginecol Med Perinat** 1985 Sep–Oct;106(5):290–3 (Eng. Abstr.) (Ita)
[Primary endolymphatic stromal myosis of the ovary] Crooks D, et al. **Rev Med Panama** 1985 Sep;10(3):202–5 (Eng. Abstr.) (Spa)

STRYCHNINE

ANALOGS & DERIVATIVES

Cardiac stimulation of brucine in cockroach Periplaneta americana, L. [letter] Srinivas P, et al. **Indian J Physiol Pharmacol** 1985 Jan–Mar;29(1):59–61

ANALYSIS

Simultaneous spectrophotometric determination of strychnine and yohimbine in pharmaceutical preparations. Salama O, et al. **Analyst** 1986 May;111(5):581–3
Liquid chromatographic determination of strychnine in stomach contents. Hoogenboom JJ, et al. **J Assoc Off Anal Chem** 1985 Nov–Dec;68(6):1131–3

ANTAGONISTS & INHIBITORS

Modification of strychnine epileptogenic focus in the brain cortex by diazepam. Sobotka P, et al. **Act Nerv Super (Praha)** 1985 Sep;27(3):225–6

METABOLISM

Metabolism of strychnine in vitro. Mishima M, et al. **Drug Metab Dispos** 1985 Nov–Dec;13(6):716–21
Glycine antagonists structurally related to 4,5,6,7–tetrahydroisoxazolo [5,4–c]pyridin–3–ol inhibit binding of [3H]strychnine to rat brain membranes. Braestrup C, et al. **J Neurochem** 1986 Sep;47(3):691–6
The distribution of glycine receptors in the human brain. A light microscopic autoradiographic study using [3H]strychnine. Probst A, et al. **Neuroscience** 1986; 17(1):11–35

PHARMACODYNAMICS

Differential effects of dopamine agonists on acoustically and electrically elicited startle responses: comparison to effects of strychnine. Davis M, et al. **Brain Res** 1986 Apr 16; 371(1):58–69
Strychnine and L–allylglycine but not bicuculline and picrotoxin induce transsynaptic degeneration following transection of the inferior alveolar nerve in adult rats. Sugimoto T, et al. **Brain Res** 1985 Aug 26;341(2):393–8
Dynamics of strychnine block of single sodium channels in bovine chromaffin cells. Yamamoto D. **J Physiol (Lond)** 1986 Jan;370:395–407
Suppression of strychnine on the chronotropic and inotropic effects in the isolated, blood–perfused canine atrium. Furukawa Y, et al. **Jpn J Pharmacol** 1985 Aug;38(4):439–41
Fear conditioning, pre–pulse inhibition and drug modulation of a short latency startle response measured electromyographically from neck muscles in the rat. Cassella JV, et al. **Physiol Behav** 1986;36(6):1187–91

POISONING

Fatal strychnine ingestion. Winek CL, et al. **J Anal Toxicol** 1986 May–Jun;10(3):120–1
Fatal strychnine poisoning—a case report and review of the literature. Perper JA. **J Forensic Sci** 1985 Oct;30(4):1248–55
Strychnine poisoning: clinical and toxicological observations on a non–fatal case. Edmunds M, et al. **J Toxicol Clin Toxicol** 1986;24(3):245–55
[Double murder by strychnine poisoning] Klöppel A, et al. **Arch Kriminol** 1985 Nov–Dec;176(5–6):153–8 (Ger)
[A case report of death due to strychnine poisoning] Hatake K, et al. **Nippon Hoigaku Zasshi** 1985 Oct;39(5):405–11 (Eng. Abstr.) (Jpn)

STUART FACTOR see **FACTOR X**

STUART–PROWER FACTOR see **FACTOR X**

STUDENT DROPOUTS

Does drug and alcohol use lead to failure to graduate from high school? Friedman AS, et al. **J Drug Educ** 1985; 15(4):353–64
Predicting success in graduate clinical specialty programs [letter] Bergstrom N. **Nurs Res** 1985 Nov–Dec;34(6):352, 388, 393
Prevention of student attrition in medical school. Chase JB, et al. **Proc Annu Conf Res Med Educ** 1985;24:287–95

PSYCHOLOGY

School discrimination and the high school dropout: a case for adolescent advocacy. Svec H. **Adolescence** 1986 Summer;21(82):449–52
Teenage school refusers grow up: a follow–up study of 168 subjects, ten years on average after in–patient treatment. Berg I, et al. **Br J Psychiatry** 1985 Oct;147:366–70
Employment status and psychological well–being: a longitudinal study of 16–year–old school leavers. Donovan A, et al. **J Child Psychol Psychiatry** 1986 Jan;27(1):65–76

STUDENT HEALTH SERVICES

A mental health program on the university campus. Lecompte D. **Acta Psychiatr Belg** 1985 May–Jun; 85(3):444–9
A forgotten psychiatric assistance program? [letter] Woods SM. **Am J Psychiatry** 1986 Jun;143(6):812
Diaphragm method contraceptors: implications for service organization and delivery. Zapka JG, et al. **Health Educ Q** 1985 Fall;12(3):245–57
Perspectives on college health. **J Am Coll Health** 1985 Aug; 34(1):43–6
Abstracts of the scientific programs of the American College Health Association, sixty–third annual meeting, May 29–June 1, 1985, Washington, D.C. **J Am Coll Health** 1985 Oct;34(2):65–89
Computer training programs for health center personnel: a program that works. Borski JJ. **J Am Coll Health** 1986 Feb;34(4):161–4
Hepatitis B virus screening in a high–risk college population. Campos–Outcalt D. **J Am Coll Health** 1985 Dec; 34(3):120–2
Implementing an immunization program. Collins M. **J Am Coll Health** 1985 Oct;34(2):100–1
The role of counseling in the treatment of genital herpes. Connor–Greene PA. **J Am Coll Health** 1986 Jun; 34(6):286–7
Mental health confidentiality on the small campus. Grayson PA. **J Am Coll Health** 1986 Feb;34(4):187–91
A new system for conceptualizing college students' problems: types of crises and the inventory of common problems. Hoffman JA, et al. **J Am Coll Health** 1986 Jun;34(6):259–66
A model alcohol program for the college health service. Kinney J, et al. **J Am Coll Health** 1986 Apr;34(5):229–33
The identification of anorexia nervosa and bulimia on student health forms. Kreipe RE, et al. **J Am Coll Health** 1985 Aug;34(1):11–4
Dispensing medications at a small health service: an alternative to a dispensing pharmacist. McCutcheon ML, et al. **J Am Coll Health** 1985 Jun;33(6):266–7
Three strategies for encouraging testicular self–examination among college–aged males. Marty PJ, et al. **J Am Coll Health** 1986 Jun;34(6):253–8
Ethical issues in college health: athletic medicine. Miller JM. **J Am Coll Health** 1986 Feb;34(4):195–6
The establishment of a sickle cell program in the college and community health setting. Oliver TG, et al. **J Am Coll Health** 1986 Jun;34(6):290–1
Student health centers, elephants, and blind men. Patrick K. **J Am Coll Health** 1985 Aug;34(1):41–2
Health–net: an interactive computer network for campus health promotion. Robinson TN, et al. **J Am Coll Health** 1986 Jun;34(6):284–5
Administration of the Michigan Alcoholism Screening Test (MAST) at a student health service. Silber TJ, et al. **J Am Coll Health** 1985 Jun;33(6):229–33
Vending machines and the self–care concept. Steinfirst JL, et al. **J Am Coll Health** 1985 Aug;34(1):37–9
Cardiovascular risk factors and health knowledge among freshman college students with a family history of cardiovascular disease. Tamragouri RN, et al. **J Am Coll Health** 1986 Jun;34(6):267–70
Toward understanding the adjustment problems of foreign families in the college community: the case of Japanese wives at the Harvard University Health Services. Vogel SH. **J Am Coll Health** 1986 Jun;34(6):274–9
Factors related to duration of counseling in a university counseling center. Jenkins SJ, et al. **Psychol Rep** 1986 Apr; 58(2):467–72

ECONOMICS

Health care in the 1990s—an opportunity for the low–cost producer. Bergy GG. **J Am Coll Health** 1985 Oct; 34(2):53–4

HISTORY

Changing opportunities: an overview of the history of college health education. Sloane DC, et al. **J Am Coll Health** 1986 Jun;34(6):271–3

ORGANIZATION & ADMINISTRATION

The development of a nursing centre on a college campus: implications for the curriculum. McEvoy MD, et al. **J Adv Nurs** 1986 May;11(3):295–301
The Mental Health Walk–In Clinic: the University of Massachusetts experience. Hersch JB, et al. **J Am Coll Health** 1985 Aug;34(1):15–7
Sharing health services: two universities, a seminary, and a community. Oliver TG, et al. **J Am Coll Health** 1985 Dec; 34(3):138–9
STOP: an early intervention program for problem drinkers. Riccelli C. **J Am Coll Health** 1985 Dec;34(3):134–7
[Ways of improving the dispensarization of students] Nechaev VS. **Sov Zdravookhr** 1985;(10):10–2 (Eng. Abstr.) (Rus)
[The stomatologist's participation in the annual ambulatory care of vocational school students] Podol'skaia TN. **Sov Zdravookhr** 1986;(5):9–12 (Rus)
[Ischemic heart disease risk factors in students] Abalkhanova FI, et al. **Ter Arkh** 1986;58(5):62–5 (Rus)

STANDARDS

Students' attitudes toward university health services. Rotimi CN, et al. **Adolescence** 1986 Summer;21(82):421–9
Classification of diseases in student health with ICD–9. Kaplan BJ. **J Am Coll Health** 1985 Aug;34(1):5–10

TRENDS

College health nursing: state of the art. Heffern MK. **J Am Coll Health** 1985 Dec;34(3):148–9

UTILIZATION

Sex differences in depressed university students. O'Neil MK, et al. **Soc Psychiatry** 1985;20(4):186–90
Use of a medical facility by Christian Scientists. Nudelman AE. **South Med J** 1986 Apr;79(4):437–40

STUDENT LOANS see **TRAINING SUPPORT**

STUDENTS

School performance characteristics preceding onset of smoking in high school students. Young TL, et al. **Am J Dis Child** 1986 Mar;140(3):257–9
Student research assistants [letter] Mateffy LA, et al. **Am J Occup Ther** 1986 Jun;40(6):433
Student attitudes about medical care and choice of a career in surgery. Linn BS, et al. **Ann Surg** 1985 Nov;202(5):600–6
Joint mobility among university students [letter] Bird HA, et al. **Br J Rheumatol** 1986 Aug;25(3):314
Joint mobility among university students in Iraq. Al–Rawi ZS, et al. **Br J Rheumatol** 1985 Nov;24(4):326–31
Alcohol and other drug use among Ontario students: an update. Smart RG, et al. **Can J Public Health** 1986 Jan–Feb; 77(1):57–8
Headaches and stress in schoolchildren: an epidemiological study. Passchier J, et al. **Cephalalgia** 1985 Sep;5(3):167–76
University students' knowledge of alcohol and drink stereotypes. Wilks J. **Community Health Stud** 1985; 9(3):231–7
Selection of physical therapy students: interview methods and academic predictors. Levine SB, et al. **J Allied Health** 1986 May;15(2):143–51
Academic misconduct: results of faculty and undergraduate student surveys. Stern EB, et al. **J Allied Health** 1986 May; 15(2):129–42
Alcohol and the college student: a challenge to the college health service [editorial] Claydon PD, et al. **J Am Coll Health** 1986 Apr;34(5):226–7
A longitudinal health care study: international versus domestic students. Ebbin AJ, et al. **J Am Coll Health** 1986 Feb;34(4):177–82
A model alcohol program for the college health service. Kinney J, et al. **J Am Coll Health** 1986 Apr;34(5):229–33
Remembering reality: alcohol and drugs. Margolis G. **J Am Coll Health** 1986 Feb;34(4):192–3
Status of the third molars in the 20– to 21–year–old Finnish university population. Murtomaa H, et al. **J Am Coll Health** 1985 Dec;34(3):127–9
Measles outbreak at Miami University, Oxford, Ohio. Sullivan KM, et al. **J Am Coll Health** 1985 Dec;34(3):130–2
Nutrient intakes and foods selected by college students:

comparisons among subgroups divided by energy intake. Hernon JF, et al. **J Am Diet Assoc** 1986 Feb;86(2):217–21
Perception of nutrient density and information links of college students. Novascone MA, et al. **J Am Diet Assoc** 1986 Jan;86(1):94–5
Reactions of college students to speech disorders. McKinnon SL, et al. **J Commun Disord** 1986 Feb;19(1):75–82
Gender differences in relationships and stress of medical and law students. Clark EJ, et al. **J Med Educ** 1986 Jan; 61(1):32–40
Health needs of high school students in Detroit. Giblin PT, et al. **J Sch Health** 1985 Dec;55(10):407–10
Improving self-catheterization of a disabled student. Trpisovsky S, et al. **J Sch Health** 1986 Feb;56(2):78–9
Monitoring Minsk and Kiev students after Chernobyl [letter] Holliday B, et al. **Nature** 1986 Jun 26–Jul 2;321(6073):820–1
Ganja smokers among the freshmen in the University of North Sumatera Medan–Indonesia. Aldy D, et al. **Paediatr Indones** 1985 Mar–Apr;25(3–4):67–70
High-risk youth and health: the case of excessive school absence. Weitzman M, et al. **Pediatrics** 1986 Aug; 78(2):313–22
Predictability of school absence for rate of sick leave. Bremberg S, et al. **Scand J Soc Med** 1985;13(4):181–4
Family planning among Nigerian postsecondary female students. Oyeka IC. **Stud Fam Plann** 1986 May–Jun; 17(3):146–52
[Epidemiology of arterial hypertension in students at the University of Nice] Morand P, et al. **Arch Mal Coeur** 1985 Oct;78(11):1633–9 (Eng. Abstr.) **(Fre)**
[Alcohol and drug consumption in students at the college level. A 1978–1984 comparison] Lamontagne Y, et al. **Union Med Can** 1985 Aug;114(8):652–7 (Eng. Abstr.) **(Fre)**
[Criteria for medical evaluation of school fitness in school graduates—on the status of health monitoring of students in East Germany] Ruppert R. **Arztl Jugendkd** 1985 Oct; 76(5):297–302 (Eng. Abstr.) **(Ger)**
[AIDS in schoolchildren (letter)] Shah PM, et al. **Dtsch Med Wochenschr** 1985 Oct 18;110(42):1631 **(Ger)**
[Early detection of diseases of the circulatory system in vocational school students with particular reference to the prevention of coronary disease and arterial hypertension] Baszczyński J, et al. **Med Pr** 1985;36(3):202–8 (Eng. Abstr.) **(Pol)**
[Status of the upper respiratory tract and the organs of hearing and equilibrium in students of mining schools of the Lublin Coal Mining Region. I] Kłos A, et al. **Otolaryngol Pol** 1985;39(3):181–5 (Eng. Abstr.) **(Pol)**
[Evaluation of the nutrition of students commuting to school] Gronowska-Senger A, et al. **Rocz Panstw Zakl Hig** 1985; 36(2):147–53 (Eng. Abstr.) **(Pol)**
[Tuberculosis among the teaching personnel and students at the Central University of Cluj-Napoca (1926–1983)] Moisescu V, et al. **Rev Ig [Pneumoftiziol]** 1985 Oct–Dec; 34(4):325–38 (Eng. Abstr.) **(Rum)**
[Functional state of the central nervous system of students in the 9–10th grades working at the educational-industrial combine] Belinova AG. **Gig Sanit** 1985 Sep;(9):93–4 **(Rus)**
[Assessment of the morphofunctional health indices of pupils in general education boarding schools] Berenshtein GF, et al. **Gig Sanit** 1985 Oct;(10):88–9 **(Rus)**
[Effect of physical exertion during the working semester on various body functions of the members of the student labor teams] Gnatiuk MS. **Gig Tr Prof Zabol** 1985 Oct;(10):46–8 **(Rus)**
[Physical development and work capacity of students during training] Bespalov VV, et al. **Voen Med Zh** 1986 Feb; (2):34–6 **(Rus)**
[Etiological structure of acute respiratory diseases in organized groups] Semenenko TA, et al. **Voen Med Zh** 1986 Feb;(2):29–31 **(Rus)**
[A method of evaluating students' body functions] Seredenko LP. **Voen Med Zh** 1986 Jun;(6):42–4 **(Rus)**
[Pregnancy in adolescent schoolgirls in Novi Sad] Tokin S, et al. **Med Pregl** 1986;39(1–2):27–32 (Eng. Abstr.) **(Scr)**
[Longitudinal study of the smoking habit among students of Catholic University. I. Habit characteristics in those entering from 1982 to 1984] Cruz E, et al. **Rev Med Chil** 1985 Dec;113(12):1231–9 (Eng. Abstr.) **(Spa)**
[Epidemiology of alcohol and tobacco consumption in students of the University of Oviedo] Bobes García J, et al. **Rev Sanid Hig Publica (Madr)** 1985 Mar–Apr; 59(3–4):381–94 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Emotional distress in a first-year university population. Lecompte D. **Acta Psychiatr Belg** 1986 Jan–Feb; 86(1):64–70
Hierarchical cluster analysis of emotional concerns and personality characteristics in a freshman population. Lecompte D, et al. **Acta Psychiatr Belg** 1986 May–Jun; 86(3):324–33
Late adolescents' home-leaving strategies: predicting ego identity and college adjustment. Anderson SA, et al. **Adolescence** 1986 Summer;21(82):453–9
Coitally active university students: sexual behaviors, concerns, and challenges. Darling CA, et al. **Adolescence** 1986 Summer;21(82):403–19
Working together separately: clarifying the relationship between college therapist and dean of students. Margolis G, et al. **Adolescence** 1986 Spring;21(81):225–34
Loneliness among adolescent college students at a midwestern university. Medora N, et al. **Adolescence** 1986 Summer;21(82):391–402
A prospective study of life events, social support, and psychological symptomatology during the transition from high school to college. Compas BE, et al. **Am J Community Psychol** 1986 Jun;14(3):241–57
Social environmental predictors of children's adjustment in elementary school classrooms. Toro PA, et al. **Am J Community Psychol** 1985 Aug;13(4):353–64
Middle-class adolescent daily marijuana users: demographic behavioral and scholastic characteristics [letter] Schwartz RH, et al. **Am J Dis Child** 1986 Apr;140(4):326–7
Faculty differences in psychological disturbance among undergraduates on arrival at university. Springett NR, et al. **Br J Med Psychol** 1986 Mar;59 (Pt 1):69–73
Just for fun: alcohol and the college student. Iutcovich JM, et al. **Chem Depend** 1982;4(3):167–85
Measuring change in undergraduate students' perceptions about aging using the Palmore Facts on Aging Quiz. Dail PW, et al. **Gerontol Geriatr Educ** 1985 Summer;5(4):61–7
Developmental patterns of women returning to school ages 30 through 49. Richardson V, et al. **Gerontol Geriatr Educ** 1985 Summer;5(4):29–41
Attitudes of secondary school students in two countries. Ellis DJ. **Hygie** 1986 Mar;5(1):45–9
Preventive health behaviour: a sample of Canadian and British university students. Kristiansen CM, et al. **Hygie** 1985 Dec;4(4):24–7
Investigative study of dental hygiene students' and dental students' anxiety and dental stressors. Cecchini JJ, et al. **Int J Psychosom** 1986;33(2):43–7
Psychosocial nursing intervention: a vehicle for the prevention of illness among international students. Sennhauser S. **Int Nurs Rev** 1985 Nov–Dec;32(6):176–7
Female high school students' assessment of their parents. Meijer A. **Isr J Psychiatry Relat Sci** 1985;22(3):191–200
Dealing with the disruptive college student: some theoretical and practical considerations. Amada G. **J Am Coll Health** 1986 Apr;34(5):221–5
Stress management: evaluating a preventive approach for college students. Archer J Jr. **J Am Coll Health** 1986 Feb; 34(4):157–60
"I'm really different": difficulties in balancing a business career with a liberal arts self-concept. Love RL. **J Am Coll Health** 1986 Apr;34(5):210–5
The reliability of the student version of the Jenkins Activity Survey. Yarnold PR, et al. **J Behav Med** 1986 Aug; 9(4):401–14
College student norms on the Brief Symptom Inventory. Cochran CD, et al. **J Clin Psychol** 1985 Nov;41(6):777–9
College student mental health: a person-environment interactional analysis. Rubio CT, et al. **J Clin Psychol** 1986 Jan;42(1):205–12
Facilitating student involvement in large classroom settings. Boman J. **J Nurs Educ** 1986 Jun;25(6):226–9
The JAS-T and type A in students: a replication note. Rainey DW. **J Pers Assess** 1985 Oct;49(5):528–9
Persistence of inaccurate beliefs about the self: perseverance effects in the classroom. Lepper MR, et al. **J Pers Soc Psychol** 1986 Mar;50(3):482–91
Contraception among female students in the University of Benin. Chiwuzie JC, et al. **J R Soc Health** 1986 Apr; 106(2):60–2
Message source credibility in drug education. Bailey WJ. **J Sch Health** 1985 Nov;55(9):385–8
Personal assessment of stress factors for college students. Bush HS, et al. **J Sch Health** 1985 Nov;55(9):370–5
Diagnosing boredom, confusion, and adaptation in school children. Frick SB. **J Sch Health** 1985 Sep;55(7):254–7
The relationship between the sexual attitudes of parents and their college daughters' or sons' sexual attitudes and sexual behavior. Yarber WL, et al. **J Sch Health** 1986 Feb; 56(2):68–72
Trends in collegiate drinking in California, 1979–1984. Temple M. **J Stud Alcohol** 1986 Jul;47(4):274–82
College students' perceptions of psychiatrists, psychologists, and social workers: a comparison. Alperin RM, et al. **Psychol Rep** 1985 Oct;57(2):547–8
Drinking among college students: are consumption rates increasing? Condon RH, et al. **Psychol Rep** 1986 Feb; 58(1):160–2
College students' drinking problems: 1982–1985. Hanson DJ, et al. **Psychol Rep** 1986 Feb;58(1):276–8
Comparing students in architecture and medicine: findings from two new measures of cognitive style. Kienholz A, et al. **Psychol Rep** 1986 Jun;58(3):823–30
Depression and suicidal ideation in college students. Sherer M. **Psychol Rep** 1985 Dec;57(3 Pt 2):1061–2
College choice among prospective health professions majors: implications for nursing education. Chapman DW, et al. **Res Nurs Health** 1985 Dec;8(4):339–46
[Changes in the physiological and biochemical parameters of students during an examination] Danev S, et al. **Probl Khig** 1985;10:33–43 (Eng. Abstr.) **(Bul)**
[Common standards for the study of stress in students in the pedagogic process] Tiefenbach W, et al. **Arztl Jugendkd** 1986 Jun;77(3):163–7 (Eng. Abstr.) **(Ger)**
[Sexuality in social change. An empirical comparative study of students 1966 and 1981] Clement U. **Beitr Sexualforsch** 1986;61:1–129 **(Ger)**
[Health-related interests of student teachers—an empirical pilot study in an educational college] Löwe B. **Off Gesundheitswes** 1985 Jul;47(7):307–15 **(Ger)**
[Thoughts and feelings of adolescents on dying and death—a study of students] Schleiff W. **Psychother Psychosom Med Psychol** 1986 May;36(5):167–71 (Eng. Abstr.) **(Ger)**
[Functional state of the cardiovascular system in students during their academic semester and examination session] Filin AP, et al. **Gig Sanit** 1986 May;(5):84–5 **(Rus)**
[Adaptation of human signal systems to study conditions at a university] Myrzakanova ZhT, et al. **Gig Sanit** 1985 Nov; (11):86–7 **(Rus)**
[Clinico-psychopathologic analysis of so-called juvenile asthenic incompetence] Severnyi AA. **Zh Nevropatol Psikhiatr** 1985;85(11):1674–80 (Eng. Abstr.) **(Rus)**
[Initiation of the smoking habit among the student population in Móstoles] Herce Garraleta P, et al. **Rev Sanid Hig Publica (Madr)** 1985 Sep–Oct; 59(9–10):1137–54 (Eng. Abstr.) **(Spa)**

STUDENTS, DENTAL

Student performance in periodontics under two clinical systems: requirement vs. comprehensive. Schuman NJ, et al. **Ann Dent** 1983 Winter;42(2):56–8
Hepatitis B virus infection in dentists and dental students. Ribero ML, et al. **Boll Ist Sieroter Milan** 1986;65(1):6–13
Effects of prelicensure on students and their teaching. LeSaux L. **Can Dent Assoc J** 1986 May;52(5):409
Recruit highly qualified students. A proposal for a special American College of Dentists Foundation project. Bodden WR Jr. **J Am Coll Dent** 1986 Spring;53(1):20–1
Recruitment of applicants. Waldman HB. **J Am Coll Dent** 1985 Fall;52(3):24–8
The student clinician program: 26 years of excellence. **J Am Dent Assoc** 1986 Feb;112(2):170–83
Increased resistance to penicillin of oral viridans streptococci in dental students. MacGregor AJ, et al. **J Antimicrob Chemother** 1986 Jun;17(6):815–9
Assessing psychomotor skills: the role of the Crawford Small Parts Dexterity Test as a screening instrument. Boyle AM, et al. **J Dent Educ** 1986 Mar;50(3):176–9
Communication tendencies of senior dental students. Dunning DG, et al. **J Dent Educ** 1986 Mar;50(3):172–5
Personality styles of first-year dental students. Erskine CG, et al. **J Dent Educ** 1986 Apr;50(4):221–4
Trends in academic qualifications and performance of dental students [letter] Goldhaber P. **J Dent Educ** 1986 Sep; 50(9):516–7
A comparison of methods for reducing stress among dental students. Howard CE, et al. **J Dent Educ** 1986 Sep; 50(9):542–4
Adapting to the hearing impaired dental student. Javid NS, et al. **J Dent Educ** 1986 May;50(5):268–9
Trends in academic qualifications and performance of dental students. Kramer GA, et al. **J Dent Educ** 1986 Apr; 50(4):213–20
Cross validation of a structural relationship model of student performance. Potter RH. **J Dent Educ** 1986 Sep;50(9):545–8
Application of a structural relationship model to gender-related student performance. Potter RH. **J Dent Educ** 1986 Sep;50(9):549–52
"Senior survey update: student debt increases while practice plans stabilize" [letter] Potts TV. **J Dent Educ** 1986 May; 50(5):255
Student disaffection with basic science. Roth GI. **J Dent Educ** 1986 Aug;50(8):462–4
Update 1986 senior survey: dental seniors' debt appears to be leveling off. Solomon ES, et al. **J Dent Educ** 1986 Sep; 50(9):553–5
Clinical medicine for dental students. Stearns NS, et al. **J Dent Educ** 1985 Dec;49(12):809–13
Relationship of stress and performance among first-year dental students. Westerman GH, et al. **J Dent Educ** 1986 May;50(5):264–7
Prevalence of Legionella-specific IgG and IgM antibody in a dental clinic population. Fotos PG, et al. **J Dent Res** 1985 Dec;64(12):1382–5
Questioning some perceptions of the quality of dental students. Waldman HB, et al. **NY State Dent J** 1985 Nov; 51(9):550, 552, 555
Hepatitis B virus infection in dentists and dental students in Greece. Panis B, et al. **Oral Surg Oral Med Oral Pathol** 1986 Apr;61(4):343–5
[Involvement of the students of a dental department in the hygienic education of the population in Leningrad Province] Bukreeva NM, et al. **Stomatologiia (Mosk)** 1986 May–Jun;65(3):77–8 **(Rus)**

PSYCHOLOGY

Investigative study of dental hygiene students' and dental students' anxiety and dental stressors. Cecchini JJ, et al. **Int J Psychosom** 1986;33(2):43–7
Class attitudes in a dental school. Lancaster DM, et al. **J Am Coll Dent** 1986 Spring;53(1):32–8

SUPPLY & DISTRIBUTION

Dental school applicant trends and projection for the 1986

entering class. Solomon ES, et al. **J Dent Educ** 1986 Aug; 50(8):497–8

STUDENTS, HEALTH OCCUPATIONS

Applications to dental auxiliary training programs are returning to normal. Waldman HB. **Ann Dent** 1985 Summer;44(1):46–9

Participation by health professional students in tuberculin screening. Cameron PW. **J Am Coll Health** 1986 Jun; 34(6):288–9

PSYCHOLOGY

Health policy opinions of graduate students in nursing. Landsberger BH, et al. **Int J Nurs Stud** 1986;23(2):159–76

Attitudes of Turkish and American clinicians and Turkish psychology students toward mental patients. Eker D. **Int J Soc Psychiatry** 1985 Autumn;31(3):223–9

Counselor trainees' explanations of behavior: attributions to traits, situations, and interaction. Donnan HH, et al. **J Clin Psychol** 1985 Sep;41(5):729–33

Effects of a concurrent clinical education assignment on student concerns. Walsh JF, et al. **Phys Ther** 1986 Feb; 66(2):233–6

A look at student learning strategies. Whyke M. **Radiography** 1985 Jul–Aug;51(598):225–30

STUDENTS, MEDICAL

Item analysis in the school—achievement test. I. Komenda S. **Acta Univ Palacki Olomuc Fac Med** 1986;113:375–90

Item analysis in the school—achievement test. II. Komenda S. **Acta Univ Palacki Olomuc Fac Med** 1986;113:391–400

An exit interview with Alice Chenault [interview by James F. Gauthier] Chenault A. **Ala Med** 1985 Sep;55(3):40–1, 44–5, 47

1985 Medical Student Graduation Questionnaire: subset report of respondents with emergency medicine as a definite specialty choice. Association of American Medical Colleges. **Am J Emerg Med** 1986 Jul;4(4):341–51

A covenant between physician and patient. An innovation by a graduating class. Clouser KD. **Ann Intern Med** 1985 Dec;103(6 (Pt 1)):941–3

Medical students. Orientation to the operating room. Peirce SB. **AORN J** 1986 Jan;43(1):209–11, 213

Deteriorating vision: an occupational risk for the medical student [letter] Shulkin DJ, et al. **Arch Ophthalmol** 1986 Sep;104(9):1274

Selection of medical students. Problems and prospects. Ross MW. **Aust Fam Physician** 1985 Oct;14(10):1076, 1078, 1081

Joint mobility among university students in Iraq. Al-Rawi ZS, et al. **Br J Rheumatol** 1985 Nov;24(4):326–31

Student audit of clinical teaching: a three year study. Lockwood DN, et al. **Br Med J [Clin Res]** 1985 Sep 14; 291(6497):719–21

Prospective survey of performance of medical students during preclinical years. McManus IC, et al. **Br Med J [Clin Res]** 1986 Jul 12;293(6539):124–7

Library instruction for medical students. Graves KJ, et al. **Bull Med Libr Assoc** 1986 Apr;74(2):126–30

Casualty X-ray reporting: a student survey. Robson N, et al. **Clin Radiol** 1985 Sep;36(5):479–81

The Student Paper Competition in Medical Informatics at the Symposium on Computer Applications in Medical Care (SCAMC) [editorial] Orthner HF, et al. **Comput Methods Programs Biomed** 1985 Oct;21(1):vii–viii

Platelet count values in healthy Nigeria medical students in Jos. Azikiwe AN. **East Afr Med J** 1984 Jun;61(6):482–5

Hepatitis B vaccine for medical students. Chodash HB. **IMJ** 1986 Mar;169(3):145–6

A dangerous mix: alcohol, drugs and medical students. Scharrer AJ. **IMJ** 1986 Apr;169(4):244

A new perspective for UI medical students. Meyer F. **Iowa Med** 1986 Apr;76(4):164–7

Why work fewer hours. Lisoskie S. **J Am Med Wom Assoc** 1986 May–Jun;41(3):73, 90

The gatekeeper role [letter] Gillette RD. **J Dermatol Surg Oncol** 1986 Mar;12(3):232–3, 236

Teaching students to show their worth as physicians [editorial] Anderson PC. **J Med Educ** 1985 Nov;60(11):889

Using structured medical information to improve students' problem-solving performance. Beck AL, et al. **J Med Educ** 1986 Sep;61(9 Pt 1):749–56

A survey of computer literacy among medical students. Bresnitz EA, et al. **J Med Educ** 1986 May;61(5):410–2

Impact of undergraduate courses on medical student performance in basic sciences. Canaday SD, et al. **J Med Educ** 1985 Oct;60(10):757–63

Satisfaction of patients with medical student's clinical skills. Carney SL, et al. **J Med Educ** 1986 May;61(5):374–9

Residency and career plans and indebtedness of 1985 medical school graduates. Dial TH. **J Med Educ** 1986 May; 61(5):424–7

Measuring the problem-solving ability of students and residents by microcomputer. Diserens D, et al. **J Med Educ** 1986 Jun;61(6):461–6

Relationship between expected indebtedness and career choice of medical students. Geertsma RH, et al. **J Med Educ** 1986 Jul;61(7):555–9

Patients' views of the medical education setting. Glasser M, et al. **J Med Educ** 1985 Oct;60(10):745–56

Faculty office hours [letter] Gogel HK. **J Med Educ** 1985 Oct;60(10):815

A look by medical students at medical practice in the future. Hafferty FW, et al. **J Med Educ** 1986 May;61(5):359–67

Comparison of performances of transfer students and first-year acceptees. Hartman ME, et al. **J Med Educ** 1986 Mar;61(3):151–6

Reciprocal peer teaching by medical students in the gross anatomy laboratory. Hendelman WJ, et al. **J Med Educ** 1986 Aug;61(8):674–80

Selection and performance of medical students and residents with type 1 diabetes mellitus. Kowalyk S, et al. **J Med Educ** 1986 Mar;61(3):181–3

Students' perceptions of values emphasized in three medical schools. Maheux B, et al. **J Med Educ** 1986 Apr; 61(4):308–16

Clinical competencies of graduating medical students. Martin YM, et al. **J Med Educ** 1985 Dec;60(12):919–24

Responses of fourth-year medical students to a required clerkship in geriatrics. Murden RA, et al. **J Med Educ** 1986 Jul;61(7):569–78

A comparison between the performances of medical students and physician's assistant students in interdisciplinary courses. Oliver D, et al. **J Med Educ** 1985 Dec;60(12):946–8

Legal liability of students and residents in the health care setting. Oliver R. **J Med Educ** 1986 Jul;61(7):560–8

Increasing the graduation rates of minority medical students. Payne JL, et al. **J Med Educ** 1986 May;61(5):353–8

Performances of female medical students in an obstetrics and gynecology clerkship. Plauché WC, et al. **J Med Educ** 1986 Apr;61(4):323–5

Effects of teaching first-year medical students skills to read medical literature. Riegelman RK. **J Med Educ** 1986 Jun; 61(6):454–60

Comparison of students' encounters with patients in university and community hospitals. Rosen RL, et al. **J Med Educ** 1986 Jul;61(7):601–3

A first-year, student-managed course to correlate basic sciences with clinical medicine. Saffran M, et al. **J Med Educ** 1985 Oct;60(10):793–7

Difficulties experienced by medical students in choosing a specialty. Savickas ML, et al. **J Med Educ** 1986 Jun; 61(6):467–9

Promoting improved evaluation of students during clinical education: a complex management task. Stemmler EJ. **J Med Educ** 1986 Sep;61(9 Pt 2):75–81

Teaching the residency application process to third-year medical students. Swee DE, et al. **J Med Educ** 1986 May; 61(5):406–8

AAMC program to promote improved evaluation of students during clinical education. Tonesk X. **J Med Educ** 1986 Sep; 61(9 Pt 2):83–8

Use of a medical center ombudsman's office by medical students. Waxman M, et al. **J Med Educ** 1986 Jan;61(1):62–4

A hospital experiment in teamwork among students, nurses, and administrators. Weeks L, et al. **J Med Educ** 1986 Sep; 61(9 Pt 1):736–42

Performance of transfer students [letter] Weinberg E. **J Med Educ** 1986 Aug;61(8):705–6

Which first-year medical students expect to practice in an inner-city or ghetto setting. Gregory K, et al. **J Natl Med Assoc** 1986 Jun;78(6):501–4

Predictors of preclinical and clinical performance of minority medical students. Ramos SM, et al. **J Natl Med Assoc** 1986 Jul;78(7):601–7

Characteristics of medical students wanting to become general practitioners [letter] Wakeford R, et al. **J R Coll Gen Pract** 1986 May;36(286):228–9

Medical student writing [editorial] Bloom V. **J R Soc Med** 1986 Jan;79(1):4

Academic dismissals: due process. Part II. Arkin HR. **JAMA** 1985 Nov 8;254(18):2653–6

The medical student and leprosy [editorial] McDougall AC. **Lepr Rev** 1986 Jun;57(2):97–100

Skills development by medical students and the influence of prior experience: a study using evaluation by students and self-assessment. Bleys FC, et al. **Med Educ** 1986 May; 20(3):234–9

Survey of student opinion of the medical curriculum at Trinity College, Dublin, Republic of Ireland. Bolger C, et al. **Med Educ** 1985 Sep;19(5):382–4

Choice of general practice for postgraduate training among medical graduates and undergraduates in Nigeria. Elebute O, et al. **Med Educ** 1986 Jul;20(4):349–53

Career attitudes of preclinical medical students to the medical specialties. Furnham A. **Med Educ** 1986 Jul;20(4):286–300

Medical education and experience affecting intra-observer variability. Moulopoulos SD, et al. **Med Educ** 1986 Mar; 20(2):133–5

The role of senior teachers in students' achievements. Notzer N, et al. **Med Educ** 1986 Jan;20(1):13–6

Medical student attitudes to computer-assisted learning in anaesthesia. Prentice JW, et al. **Med Educ** 1986 Jan; 20(1):57–9

Patients' attitudes to student doctors. Richardson PH, et al. **Med Educ** 1986 Jul;20(4):314–7

Student expectations and personal perceptions as an approach to course evaluation. Rosinski EF, et al. **Med Educ** 1986 May;20(3):228–33

Does clinical clerkship alter students' attitudes to a career choice of psychiatry? Shelley RK, et al. **Med Educ** 1986 Jul;20(4):330–4

Choosing a career: the undergraduate dilemma. Dobson B. **Med Teach** 1986;8(1):75–80

The extent of impairment at one Michigan medical school. Niccolini R, et al. **Mich Med** 1985 Aug;84(8):432, 434

Coping with stress—a medical student's perspective. Potchen M. **Mich Med** 1985 Aug;84(8):431

Minority students in U.S. medical schools [letter] **N Engl J Med** 1986 Jul 3;315(1):67–9

Doctors and drugs [editorial] Lewis DC. **N Engl J Med** 1986 Sep 25;315(13):826–8

Psychoactive drug use among practicing physicians and medical students. McAuliffe WE, et al. **N Engl J Med** 1986 Sep 25;315(13):805–10

Reflections of a medical student. Burke HB. **Perspect Biol Med** 1986 Winter;29(2):214–8

Creativity in medicine—a faculty perspective. Wilson FC. **Perspect Biol Med** 1986 Winter;29(2):310–5

The ethical implications of medical student involvement in the care and assessment of patients in teaching hospitals—informed consent from patients for student involvement. Part II: A description of student behavioral practices and perspectives on the issue of informed consent for their involvement in patient care and assessment. Cohen DL, et al. **Proc Annu Conf Res Med Educ** 1985;24:146–53

The ethical implications of medical student involvement in the care and assessment of patients in teaching hospitals—informed consent from patients for student involvement. Part I: A description of the origin and implementation of policies governing medical student interaction with patients and compliance with Federal and JCAH guidelines. Cohen DL, et al. **Proc Annu Conf Res Med Educ** 1985;24:138–45

Medical student and resident "impairments": prediction, early recognition, and intervention. Should they be rehabilitated or should they be removed? Franks RD, et al. **Proc Annu Conf Res Med Educ** 1985;24:321–8

The role of a student note-taking cooperative in a basic science curriculum. Juul D, et al. **Proc Annu Conf Res Med Educ** 1985;24:46–51

Do medical faculties value comprehensive care? The students' response. Maheux B, et al. **Proc Annu Conf Res Med Educ** 1985;24:251–6

Clinical competencies of graduating medical students. Martin YM, et al. **Proc Annu Conf Res Med Educ** 1985;24:15–21

The determination of passing scores on medical licensure examinations: should we monitor students with marginally passing scores? Turner BJ, et al. **Proc Annu Conf Res Med Educ** 1985;24:227–32

An analysis of medical students' residency and specialty choices. Wartman SA, et al. **Proc Annu Conf Res Med Educ** 1985;24:111–5

Outbreak of cryptosporidiosis among veterinary students. Pohjola S, et al. **Scand J Infect Dis** 1986;18(2):173–8

Career advice for medical students. Calman KC, et al. **Scott Med J** 1986 Jan;31(1):5–9

Clerkship site and duration: do they influence student performance? Jacobson MJ, et al. **Surgery** 1986 Aug; 100(2):306–11

Choosing students—making doctors. Eckenhoff JE. **Trans Stud Coll Physicians Phila** 1986 Mar;8(1):7–17

Dilemma of fresh medical graduates [editorial] Bijlani RL. **Trop Gastroenterol** 1985 Jul–Sep;6(3):162–5

The class of '85: OB malpractice fee phobia among medical students [letter] Rodney WM. **West J Med** 1986 Jan; 144(1):90–1

[Selection interviews—objective tests or back-door?] Rothmund M. **Dtsch Med Wochenschr** 1986 Sep 12; 111(37):1387–8 **(Ger)**

[Tuberculin testing and BCG vaccination of medical students in Zurich] Boppart I, et al. **Schweiz Rundsch Med Prax** 1985 Dec 24;74(52):1458–9 (Eng. Abstr.) **(Ger)**

[Epidemiological survey of smoking habits among medical students in the State of São Paulo] Szego T, et al. **AMB** 1985 Jan–Feb;31(1–2):13–6 (Eng. Abstr.) **(Por)**

[Sociological studies with regard to the national consciousness of a group of medical students] Bejenaru F. **Rev Med Chir Soc Med Nat Iasi** 1985 Apr–Jun;89(2):373–5 **(Rum)**

[Effect of neuro-emotional stress on signal system function in students] Khlebutina TA, et al. **Gig Sanit** 1985 Dec; (12):72–3 **(Rus)**

[Shaping of the humanistic and moral aspects of the medical activities of students in the surgery department] Zakordonets AA, et al. **Klin Khir** 1985;(11):41–4 **(Rus)**

[Results of studies of visual fatigue in senior students of a medical institute] Luchik VI, et al. **Oftalmol Zh** 1985; (6):367–9 (Eng. Abstr.) **(Rus)**

[Complex creative youth collective. Work experience] Khvisiuk NI, et al. **Ortop Travmatol Protez** 1985 Aug; (8):60–2 **(Rus)**

[Participation of teachers and medical students in perfecting mass defense measures] Alekseev SV, et al. **Sov Zdravookhr** 1985;(6):45–7 **(Rus)**

[Participation of students of the Military Medical Academy in the first Russian revolution 1905–1907] Shabunin AV. **Sov Zdravookhr** 1985;(11):62–4 **(Rus)**

[Estimation of pathogenic factors in mental disorders by medical students and psychiatrists] Molčan J, et al. **Bratisl Lek Listy** 1986 Feb;85(2):220–4 (Eng. Abstr.) **(Slo)**

[Smoking among physicians and medical students] Medina E, et al. **Rev Med Chil** 1985 Jul;113(7):688–94 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Alcohol use patterns of first-year medical students: II. Psychosocial characteristics associated with drinking level. Clark DC, et al. **Alcoholism (NY)** 1986 Jan–Feb;10(1):65–70

The clouded crystal ball: a 35-year follow-up of psychiatrists' predictions. Aldrich CK. **Am J Psychiatry** 1986 Jan;143(1):45–9

Psychoactive substance use among medical students. Maddux JF, et al. **Am J Psychiatry** 1986 Feb;143(2):187–91

French medical students' opinion of psychiatry. Samuel-Lajeunesse B, et al. **Am J Psychiatry** 1985 Dec; 142(12):1462–6

A view of the prospective child psychiatrist. Weissman SH, et al. **Am J Psychiatry** 1986 Jun;143(6):722–7

Influence of factors before and during medical school on choice of psychiatry as a specialty. Zimny GH, et al. **Am J Psychiatry** 1986 Jan;143(1):77–80

Hypochondriacal fears and beliefs in medical and law students. Kellner R, et al. **Arch Gen Psychiatry** 1986 May; 43(5):487–9

Levels and sources of stress in medical students. Firth J. **Br Med J [Clin Res]** 1986 May 3;292(6529):1177–80

Medical students as child abusers. Kaplan JM. **Bull Am Acad Psychiatry Law** 1986;14(1):31–6

Cancer Opinionnaire. Medical students' attitudes toward psychosocial cancer care. Schmelkin LP, et al. **Cancer** 1986 Aug 1;58(3):801–6

Distress in medical and law students. Kellner R, et al. **Compr Psychiatry** 1986 May–Jun;27(3):220–3

Attitudes of Nigerian medical students towards use and abuse of tobacco, alcohol and drugs. Attah Johnson FY. **Drug Alcohol Depend** 1985 Aug;15(4):323–34

Obstetric malpractice fee phobia among medical students in the United States. Rodney WM. **Fam Pract** 1986 Jun; 3(2):113–6

Stresses of the psychotherapeutic role. Greenfeld D. **Hillside J Clin Psychiatry** 1985;7(2):165–83

Medical students and their views on psychiatric issues. Levav I, et al. **Isr J Psychiatry Relat Sci** 1985;22(4):291–301

Medical students' stress reactions to dissections. Shalev A, et al. **Isr J Psychiatry Relat Sci** 1985;22(1–2):121–33

Medical students' attitudes toward sexually active older persons. Damrosch SP, et al. **J Am Geriatr Soc** 1985 Dec; 33(12):852–5

Developmental strains of women medical students. Kris KB. **J Am Med Wom Assoc** 1985 Sep–Oct;40(5):145–8

The medical students of 1985: toward meeting their personal needs. Myers MF. **J Am Med Wom Assoc** 1985 Sep–Oct; 40(5):141–4

Role stress in medical education: a literary perspective. Poirier S. **J Am Med Wom Assoc** 1986 May–Jun;41(3):82–6

Finances: a hidden cost to women medical students. Tamburrino MB, et al. **J Am Med Wom Assoc** 1985 Sep–Oct;40(5):149–51

A possible relationship between figure drawing data collected in medical school and later health status among physicians. Shaffer JW, et al. **J Clin Psychol** 1986 Mar;42(2):363–9

Physician decision making over the telephone. Sloane PD, et al. **J Fam Pract** 1985 Oct;21(4):279–84

Docents' and students' perceptions of the ideal and actual role of the docent. Calkins EV, et al. **J Med Educ** 1986 Sep;61(9 Pt 1):743–8

Gender differences in relationships and stress of medical and law students. Clark EJ, et al. **J Med Educ** 1986 Jan; 61(1):32–40

Cognitive and noncognitive characteristics of medical school applicants. Givner N. **J Med Educ** 1985 Oct;60(10):798–9

The impact of medical school on the student with respect to interpersonal relationships and life-styles. Green SA, et al. **J Med Educ** 1986 Mar;61(3):177–8

Students' stereotypes of patients as barriers to clinical decision-making. Johnson SM, et al. **J Med Educ** 1986 Sep; 61(9 Pt 1):727–35

Detection of psychiatrically at-risk applicants in the medical school admission process. Keill SL, et al. **J Med Educ** 1985 Oct;60(10):800–2

Second-year medical students' experiences with death among their families and friends. Kitchen AD. **J Med Educ** 1986 Sep;61(9 Pt 1):760–1

Career preferences and decision-making habits of first-year medical students. Nieman LZ, et al. **J Med Educ** 1986 Aug; 61(8):644–53

Students' and physicians' evaluations of gynecologic teaching associate program. Plauché WC, et al. **J Med Educ** 1985 Nov;60(11):870–5

Changes in course ratings following clinical experiences in the clerkship years. Scott CS, et al. **J Med Educ** 1986 Sep; 61(9 Pt 1):764–6

Interpersonal conflicts involving students in clinical medical education. Spiegel DA, et al. **J Med Educ** 1985 Nov; 60(11):819–29

The relationship between social support and psychiatric symptomatology in medical students. Foorman S, et al. **J Nerv Ment Dis** 1986 Apr;174(4):229–39

Eating disorders and social maladjustment in female medical students. Herzog DB, et al. **J Nerv Ment Dis** 1985 Dec; 173(12):734–7

Sex differences in drinking among medical students: patterns and psychosocial correlates. Richman JA, et al. **J Stud Alcohol** 1986 Jul;47(4):283–9

Examination nerves and the medical student [letter] Andreasen KH, et al. **Lancet** 1985 Oct 19;2(8460):896

A discrepancy in objective and subjective measures of knowledge: do some medical students with learning problems delude themselves? Anthoney TR. **Med Educ** 1986 Jan;20(1):17–22

Preclinical anxiety: the stress associated with a viva voce examination. Arndt CB, et al. **Med Educ** 1986 Jul; 20(4):274–80

Student perceptions of the learning environment [letter] Clarke RM, et al. **Med Educ** 1986 Jul;20(4):371

Students' and teachers' views of a medical college environment in Saudi Arabia. el-Hazmi MA, et al. **Med Educ** 1985 Nov;19(6):437–44

Impairment of doctors: are beginning medical students psychologically vulnerable? Hohaus LC, et al. **Med Educ** 1985 Nov;19(6):431–6

The acquisition of cognitive knowledge through clinic experiences. Jones JG, et al. **Med Educ** 1986 Jan;20(1):10–2

Learning styles and approaches: implications for medical education. Newble DI, et al. **Med Educ** 1986 May; 20(3):162–75

The approaches to learning of students in a traditional and in an innovative problem-based medical school. Newble DI, et al. **Med Educ** 1986 Jul;20(4):267–73

Differences between medical students and doctors in memory for clinical cases. Patel VL, et al. **Med Educ** 1986 Jan; 20(1):3–9

Problem-solving styles of medical students related to knowledge and personality in simulated clinical situations. Westin S, et al. **Med Educ** 1986 Mar;20(2):109–16

Change in type A behaviour among medical students: a 4-year longitudinal study. Wolf TM, et al. **Med Educ** 1986 May;20(3):176–80

Personal experience. **Med J Aust** 1985 Nov 25;143(11):510

The choice of anesthesia as a career by undergradustes in a Saudi university. Famewo CE, et al. **Middle East J Anesthesiol** 1985 Jun;8(2):179–85

Medical students' views of the role of the nurse. Webster D. **Nurs Res** 1985 Sep–Oct;34(5):313–7

Learning style and medical students' performance on objective examinations. Markert RJ. **Percept Mot Skills** 1986 Jun;62(3):781–2

Empathy and psychosocial attitudes in medical school faculty and students. Dornbush RL, et al. **Proc Annu Conf Res Med Educ** 1985;24:245–50

The Iowa Student Physician Inventory: toward the assessment of noncognitive characteristics of medical school applicants. Morris WW, et al. **Proc Annu Conf Res Med Educ** 1985;24:181–6

Medical students' attitudes towards psychiatry: a conceptual shift. Augoustinos M, et al. **Psychol Med** 1985 Aug; 15(3):671–8

Modal personality and values of medical students. Di Renzo GJ. **Psychol Rep** 1986 Feb;58(1):33–4

Comparing students in architecture and medicine: findings from two new measures of cognitive style. Kienholz A, et al. **Psychol Rep** 1986 Jun;58(3):823–30

Lifestyle characteristics during medical school: a four-year cross-sectional study. Wolf TM, et al. **Psychol Rep** 1986 Aug;59(1):179–89

Work pressure and the type A behavior pattern exam stress in male medical students. Lovallo WR, et al. **Psychosom Med** 1986 Jan–Feb;48(1–2):125–33

Out of the clinic into the home: control and patient-physician communication. Sankar A. **Soc Sci Med** 1986;22(9):973–82

Health protective behaviors in first year medical students. Sobal J. **Soc Sci Med** 1986;22(5):593–8

Why medical students will not practice in rural areas: evidence from a survey. Zaidi SA. **Soc Sci Med** 1986; 22(5):527–33

Medical student impairment: a review of the literature. Marchand WR, et al. **W Va Med J** 1985 Nov;81(11):244–8 (28 ref.)

[Findings by students on the teaching of social medicine during training at a health facility] Nováková H. **Cesk Zdrav** 1986 May;34(5):233–6 (Eng. Abstr.) (Cze)

[Attitudes of medical students in the 2d cycle toward cancer and cancer patients] Hoerni B, et al. **Bull Acad Natl Med (Paris)** 1985 Nov;169(8):1157–61 (Eng. Abstr.) (Fre)

[Socio-ethical views of 1st year medical students] Junas J, et al. **Cesk Zdrav** 1986 Jan;34(1):8–13 (Eng. Abstr.) (Slo)

[Changes in the professional expectations and attitudes of medical students toward the preventive and social aspects of education and medical practice] Gutiérrez Avila JH, et al. **Educ Med Salud** 1985;19(4):386–402 (Eng. Abstr.) (Spa)

STUDENTS, NURSING

Skill acquisition. Students in the OR. Byrne M. **AORN J** 1986 Jun;43(6):1312–7

Nursing students learn the ABC's in ambulatory surgery. Doroshow ML. **AORN J** 1986 Feb;43(2):524, 526

Nursing students in the OR. Clinical opportunities. Meraviglia MG. **AORN J** 1986 Aug;44(2):262–5, 268

Becoming a nurse: the ethical perspective. Woodruff AM. **Int J Nurs Stud** 1985;22(4):295–302

Ovulatory disturbances. Causative factors among Japanese student nurses in a dormitory. Nagata I, et al. **J Adolesc Health Care** 1986 Jan;7(1):1–5

The significance of secondary school education for education and training of nurses in South Africa. Mashaba TG. **J Adv Nurs** 1986 Jul;11(4):395–401

Graduate students' use of group work with adolescents for primary prevention. Hess-Haber CA. **J Nurs Educ** 1985 Nov;24(9):380–2

Helping students write. Rosenthal TT, et al. **J Nurs Educ** 1985 Nov;24(9):384–5

Clinical progress notes: a challenge for the nurse educator. Schuster SE, et al. **J Nurs Educ** 1986 Jan;25(1):33–6

Female patients and male nursing students. Turnipseed LA. **J Obstet Gynecol Neonatal Nurs** 1986 Jul–Aug;15(4):345–8

Unsafe student practice: policy and procedures. Darragh R, et al. **Nurs Outlook** 1986 Jul–Aug;34(4):176–8

[Seroepidemiology of infection by hepatitis B virus in student nurses: some implications for vaccination policy] Maffei C, et al. **Boll Ist Sieroter Milan** 1985;64(6):455–62 (Eng. Abstr.) (Ita)

[Epidemiologic data on the caloric balance and body weight of a group of nursing students] Cabodi S, et al. **Minerva Dietol Gastroenterol** 1985 Oct–Dec;31(4):679–82 (Eng. Abstr.) (Ita)

PSYCHOLOGY

The impact of the nursing home clinical on attitudes toward working with the elderly. Cook BA, et al. **Gerontol Geriatr Educ** 1985 Summer;5(4):53–9

Health policy opinions of graduate students in nursing. Landsberger BH, et al. **Int J Nurs Stud** 1986;23(2):159–76

A descriptive study of the attitudes of baccalaureate student nurses toward the elderly. Downe-Wamboldt BL, et al. **J Adv Nurs** 1985 Jul;10(4):369–74

Stress and social facilitation: the effects of the presence of an instructor on student nurses' behaviour. Kushnir T. **J Adv Nurs** 1986 Jan;11(1):13–9

Learning styles of nursing students and environmental press perceptions of two clinical nursing settings. Laschinger HK. **J Adv Nurs** 1986 May;11(3):289–94

Antecedents of baccalaureate student nurses' attitudes toward the elderly. Melanson PM, et al. **J Adv Nurs** 1985 Nov; 10(6):527–32

The feasibility of students with a predominantly arts educational background coping with the physiology component of a university nursing degree programme. Rutishauser S, et al. **J Adv Nurs** 1985 Nov;10(6):559–66

Nursing students' perceptions of a child: influence of information on family structure. Siebert KD, et al. **J Adv Nurs** 1986 May;11(3):333–7

Students in transition: imitators of role models. Betz CL. **J Nurs Educ** 1985 Sep;24(7):301–3

Re-entry women in baccalaureate nursing programs: the achievement of selected developmental tasks. Bueche MN. **J Nurs Educ** 1986 Jan;25(1):15–9

A validation study of a self-directed learning readiness scale. Crook J. **J Nurs Educ** 1985 Sep;24(7):274–9

How nursing students explain their success and failure in clinical experiences. Davidhizar RE, et al. **J Nurs Educ** 1985 Sep;24(7):284–90

Hours of contact and their relationship to students' evaluations of teaching effectiveness. Dawson N. **J Nurs Educ** 1986 Jun;25(6):236–9

Changing the locus of control of registered nurse students with a futuristic-oriented course. Dufault MA. **J Nurs Educ** 1985 Oct;24(8):314–20

The effect of nonspecific imaging practice on the mental imagery ability of nursing students. Eaton SL, et al. **J Nurs Educ** 1986 May;25(5):193–6

The effects of a well older adult clinical experience on students' knowledge and attitudes. Greenhill ED, et al. **J Nurs Educ** 1986 Apr;25(4):145–7

Journal writing: a key to promoting critical thinking in nursing students. Hahnemann BK. **J Nurs Educ** 1986 May; 25(5):213–5

The nursing class of 1963 revisited. Hardin SB, et al. **J Nurs Educ** 1986 Apr;25(4):171–3

Change in basic nursing students' attitudes toward the elderly after a nursing home experience. Langland RM, et al. **J Nurs Educ** 1986 Jan;25(1):31–3

Meeting the terminal functions of a baccalaureate curriculum: the students' perception. Moore L, et al. **J Nurs Educ** 1985 Oct;24(8):321–5

Promoting enthusiasm for research among undergraduate students. Munro BH. **J Nurs Educ** 1985 Nov;24(9):368–71

Teaching communication skills: effects of two methods of instruction and selected learner characteristics. Norris J. **J Nurs Educ** 1986 Mar;25(3):102–6

The interaction of cognitive style, teaching methodology and cumulative GPA in baccalaureate nursing students. Ostrow CL. **J Nurs Educ** 1986 Apr;25(4):148–55

Ethical dilemmas in nursing: the role of the nurse and perceptions of autonomy. Pinch WJ. **J Nurs Educ** 1985 Nov;24(9):372–6

A developmental approach to doctoral education. Urbano MT, et al. **J Nurs Educ** 1986 Feb;25(2):76–8

Experiential learning and changing leadership style. Zanecchia MD. **J Nurs Educ** 1985 Nov;24(9):360–2

A question of civil rights. Cohen LJ. **Nurs Outlook** 1986 Jul–Aug;34(4):200–1

Faculty peer review in a group setting. Dombeck MT. **Nurs Outlook** 1986 Jul–Aug;34(4):188–92

Modified contractual grading. Gross JW, et al. **Nurs Outlook** 1986 Jul–Aug;34(4):184–7

Decoding your student evaluations. Schwab T, et al.

Nurs Outlook 1986 Jul-Aug;34(4):208
Early recollections of women preparing for nursing careers. Fakouri CH, et al. Percept Mot Skills 1986 Aug;63(1):264–6
Performance of male nursing students on the MMPI, fantasy, and self-esteem inventories. Mlott SR, et al. Psychol Rep 1986 Apr;58(2):371–4
Values of entering nursing students: changes over 10 years. Garvin BJ, et al. Res Nurs Health 1985 Sep;8(3):235–41
Attitudes toward social issues in health care: a cohort analysis. Mendelson MA, et al. Res Nurs Health 1985 Dec; 8(4):307–12

STUDENTS, PHARMACY

Professional development through involvement. Salamido GJ. Am Pharm 1986 Mar;NS26(3):82–3

PSYCHOLOGY

More women in pharmacy. Students' views on the matter. Pantoja JP, et al. Am Pharm 1985 Dec;NS25(12):54–8

STUDENTS, PREMEDICAL

PSYCHOLOGY

The myth of cut-throats among premedical students: on the role of stereotypes in justifying failure and success. Conrad P. J Health Soc Behav 1986 Jun;27(2):150–60

STURGE-WEBER SYNDROME see under ANGIOMATOSIS

STUTTERING

Stammering. Hulbert KF. Br Med J [Clin Res] 1986 Jan 11; 292(6513):110–1
Acoustic analysis and perception of vowels in stuttered speech. Howell P, et al. J Acoust Soc Am 1986 May; 79(5):1571–9

CHEMICALLY INDUCED

Aphasia, apraxia and neurogenic stuttering as complications of metrizamide myelography (speech deficits following myelography). Pimental PA, et al. Acta Neurol Scand 1985 Nov;72(5):481–8

COMPLICATIONS

Adult onset stuttering and seizures. Nowack WJ. Clin Electroencephalogr 1986 Jul;17(3):142–5
[Neurotic development in the clinical picture of stuttering] Asatiani NM, et al. Zh Nevropatol Psikhiatr 1985; 85(11):1684–8 (Eng. Abstr.) (Rus)

DRUG THERAPY

Propranolol and stuttering [letter] Cocores JA, et al. Am J Psychiatry 1986 Aug;143(8):1071–2

ETIOLOGY

Clinical and paraclinical aspects of tetany in stuttering. Costa D, et al. Act Nerv Super (Praha) 1986 Jun;28(2):156–8
Severe stuttering associated with right hemisphere lesion. Ardila A, et al. Brain Lang 1986 Mar;27(2):239–46
Stuttering as a complication of strabismus surgery. Jones ST. J Pediatr Ophthalmol Strabismus 1986 Jan-Feb;23(1):38–40
Stuttering as involuntary loss of speech control: barking up a new tree [letter] Martin R, et al. J Speech Hear Disord 1986 May;51(2):187–91
And it wasn't her fault anyway ... [letter] Bohr T. JAMA 1986 Jan 24-31;255(4):467
Stuttering: disappearance and reappearance with acquired brain lesions. Helm-Estabrooks N, et al. Neurology 1986 Aug;36(8):1109–12

FAMILIAL & GENETIC

Segregation analyses of stuttering. Cox NJ, et al. Genet Epidemiol 1984;1(3):245–53

IMMUNOLOGY

Serum immunoreactive parathormone levels correlate with depression and anxiety in hypocalcemic stutterers. Costa D, et al. Act Nerv Super (Praha) 1986 Jun;28(2):155–6

PHYSIOPATHOLOGY

Relationship between amplitude of tremor and reflex responses of the human jaw-closing system. McFarland DH, et al. Brain Res 1986 Feb 26;366(1-2):272–8
Stuttering: a contemporary perspective. Gregory HH. Folia Phoniatr (Basel) 1986;38(2-4):89–120 (219 ref.)
Eye movements of stutterers. Doslak MJ, et al. Invest Ophthalmol Vis Sci 1986 Sep;27(9):1410–4
Onset of voicing in stuttered and fluent utterances. Borden GJ, et al. J Speech Hear Res 1985 Sep;28(3):363–72
Mother and child speech rates as a variable in stuttering and disfluency. Meyers SC, et al. J Speech Hear Res 1985 Sep; 28(3):436–44
Changes in aerodynamic characteristics of stutterers' fluent speech associated with therapy. Samar VJ, et al. J Speech Hear Res 1986 Mar;29(1):106–13
Onset and termination of accessory facial movements during stuttering. Janssen P, et al. Percept Mot Skills 1986 Aug; 63(1):11–7
[Changes in monosynaptic reflex activity in the spinal cord in stutterers not experiencing an attack of stuttering] Lait'bvka M. Sb Lek 1986 Jun;88(6):186–92 (Eng. Abstr.) (Cze)
[Frequency range of the voice of stutterers under conditions of social isolation] Sváb L, et al. Sb Lek 1986 Jun; 88(6):181–5 (Eng. Abstr.) (Cze)

PSYCHOLOGY

Auditory stimulation, rhythm, and stuttering. Martin RR, et al. J Speech Hear Res 1985 Dec;28(4):487–95
Interruptions as a variable in stuttering and disfluency. Meyers SC, et al. J Speech Hear Res 1985 Sep;28(3):428–35
Bimanual hand writing in right-handed and left-handed stutterers and nonstutterers. Greiner JR, et al. Neuropsychologia 1986;24(3):441–7
Relationship between specific disfluency variables and dichotic listening in stutterers. Blood IM, et al. Percept Mot Skills 1986 Feb;62(1):337–8
Simple motor and phonemic processing reaction times of stutterers. Rastatter M, et al. Percept Mot Skills 1985 Oct; 61(2):463–6

THERAPY

Does behavior therapy still work when the experimenters depart? An analysis of a behavioral treatment program for stuttering. Andrews G, et al. Behav Modif 1985 Oct; 9(4):443–57
The prediction and prevention of relapse in stuttering. The value of self-control techniques and locus of control measures. Craig A, et al. Behav Modif 1985 Oct;9(4):427–42
Stuttering relapse: the effect of a combined speech and psychological reconstruction programme. Evesham M, et al. Br J Disord Commun 1985 Dec;20(3):237–48
Changes in stuttering in relation to children's locus of control. Madison LS, et al. J Genet Psychol 1986 Jun;147(2):233–40
Modification of listener-judged naturalness in the speech of stutterers. Ingham RJ, et al. J Speech Hear Res 1985 Dec; 28(4):495–504
Laryngeal behaviour and fluency-inducing therapy. Behrmann M. S Afr J Commun Disord 1985;32:45–9
A stuttering therapy programme with spastic dysphonia--a single case study. Meyers I, et al. S Afr J Commun Disord 1985;32:31–6

STYE see **HORDEOLUM**

STYRENES

see related
POLYSTYRENES

Styrene vapor control systems in FRP yacht plants. Todd WF. Am J Ind Med 1985;8(3):219–32

ADVERSE EFFECTS

Occupational styrene exposure for twelve product categories in the reinforced-plastics industry. Lemasters GK, et al. Am Ind Hyg Assoc J 1985 Aug;46(8):434–41
Choice reaction time in workers exposed to styrene vapour. Mackay CJ, et al. Hum Toxicol 1986 Mar;5(2):85–9
Behavioral technology for reducing occupational exposures to styrene. Hopkins BL, et al. J Appl Behav Anal 1986 Spring;19(1):3–11

ANALYSIS

Determination of antioxidants of the diphenylamine type in butadiene-styrene rubber (BSR). Stránský Z, et al. Acta Univ Palacki Olomuc Fac Med 1982;103:147–53
Residual styrene monomer in Chilean foods by headspace gas chromatography. Santa María I, et al. Bull Environ Contam Toxicol 1986 Aug;37(2):207–12
Determination of styrene in biological samples by reversed-phase liquid chromatography. Colin P, et al. J Chromatogr 1986 Mar 7;375(2):431–7
Analysis of chlorinated styrenes in environmental samples using negative ion chemical ionization mass spectrometry. Ramdahl T, et al. Sci Total Environ 1986 Feb;48(3):147–55
[Characteristics of the migration of volatile components from footwear products] Chekal' VN, et al. Gig Sanit 1986 Jan; (1):64–5 (Rus)

CHEMICAL SYNTHESIS

Studies on styrene derivatives. II. Synthesis and antiinflammatory activity of 3,5-di-tert-butyl-4-hydroxystyrenes. Katsumi I, et al. Chem Pharm Bull (Tokyo) 1986 Apr;34(4):1619–27

METABOLISM

Stereometabolism of styrene in man: gas chromatographic determination of phenylethyleneglycol enantiomers and phenylethanol isomers in the urine of occupationally-exposed persons. Korn M, et al. Arch Toxicol 1985 Dec;58(2):110–4
Styrene metabolism and striatal dopamine depletion in rabbits. Mutti A, et al. Arch Toxicol [Suppl] 1985;8:447–50
Kinetics of styrene in workers from a plastics industry after controlled exposure: a comparison with subjects not previously exposed. Löf A, et al. Br J Ind Med 1986 Aug; 43(8):537–43
Covalent binding of styrene and styrene-7,8-oxide to plasma proteins, hemoglobin and DNA in the mouse. Byfält Nordqvist M, et al. Chem Biol Interact 1985 Oct; 55(1-2):63–73
Evaluation of low exposure to styrene. I. Absorption of styrene vapours by inhalation under experimental conditions. Wieczorek H, et al. Int Arch Occup Environ Health 1985;57(1):57–69
Evaluation of low exposure to styrene. II. Dermal absorption of styrene vapours in humans under experimental conditions. Wieczorek H. Int Arch Occup Environ Health 1985;57(1):71–5
The formation of styrene glutathione adducts catalyzed by prostaglandin H synthase. A possible new mechanism for the formation of glutathione conjugates. Stock BH, et al. J Biol Chem 1986 May 5;261(13):5959–64
Rabbit pulmonary cytochrome P-450 monooxygenase system: isozyme differences in the rate and stereoselectivity of styrene oxidation. Harris C, et al. J Pharmacol Exp Ther 1986 Jan;236(1):144–9
A pharmacokinetic model of styrene inhalation with the fugacity approach. Paterson S, et al. Toxicol Appl Pharmacol 1986 Mar 15;82(3):444–53
[Plasmid participation in the degradation of alpha-methylstyrene] Boronin AM, et al. Mikrobiologiia 1985 Sep-Oct;54(5):854–6 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Reduced synthesis of 5-aminolevulinate dehydratase in styrene-treated rats. Fujita H, et al. Biochim Biophys Acta 1986 Jun 20;867(3):89–96
Sister chromatid exchange and chromosome aberration analyses in mice after in vivo exposure to acrylonitrile, styrene, or butadiene monoxide. Sharief Y, et al. Environ Mutagen 1986;8(3):439–48
Effect of in vitro exposure to styrene, styrene oxide, and other structurally related compounds on murine cell-mediated immunity. Grayson MH, et al. Immunopharmacology 1986 Jun;11(3):165–73

POISONING

Mortality of styrene production, polymerization and processing workers at a site in northwest England. Hodgson JT, et al. Scand J Work Environ Health 1985 Oct;11(5):347–52

TOXICITY

The neurotoxicity of industrial solvents: a review of the literature. Baker EL Jr, et al. Am J Ind Med 1985; 8(3):207–17 (65 ref.)
An analysis of exposure to styrene in the reinforced plastic boat-making industry. Crandall MS, et al. Am J Ind Med 1985;8(3):183–92
Mortality patterns among styrene-exposed boatbuilders. Okun AH, et al. Am J Ind Med 1985;8(3):193–205
Mutagenicity, acute toxicity, and bioaccumulation potential of six chlorinated styrenes. Tarkpea M, et al. Bull Environ Contam Toxicol 1985 Oct;35(4):525–30
Chronic toxicity and three-generation reproduction study of styrene monomer in the drinking water of rats. Beliles RP, et al. Fundam Appl Toxicol 1985 Oct;5(5):855–68
Investigations on neurotoxicity of chemical substances at the workplace. VII. Longitudinal study with determination of nerve conduction velocities in persons occupationally exposed to styrene. Triebig G, et al. Int Arch Occup Environ Health 1985;56(3):239–47
Cytogenetic analysis of human peripheral blood lymphocytes in culture exposed in vitro to styrene and styrene oxide. Pohlová H, et al. J Hyg Epidemiol Microbiol Immunol 1984; 29(3):269–74
Induction of chromosome aberrations by styrene and vinylacetate in cultured human lymphocytes: dependence on erythrocytes. Jantunen K, et al. Mutat Res 1986 Jan-Feb;159(1-2):109–16
Mutagenicity of para-substituted alpha-methylstyrene oxide derivatives with Salmonella. Rosman LB, et al. Mutat Res 1986 Aug-Sep;171(2-3):63–70
Electron microscopic study of the respiratory toxicity of styrene. Ohashi Y, et al. Osaka City Med J 1985 Aug; 31(1):11–21
Assessment of tail nerve function in rats chronically exposed to vinyltoluene. Gagnaire F, et al. Toxicol Lett 1986 Jan; 30(1):27–34
[Structural characteristics of the toxic action of styrene on the adrenal cortex] Poluchiev VV, et al. Gig Sanit 1986 Feb;(2):82–3 (Rus)

URINE

Simultaneous determination of the major metabolites of styrene and acetaminophen, and of unchanged acetaminophen in urine by ion-pairing high-performance liquid chromatography. Colin P, et al. J Chromatogr 1986 Apr 25;377:243–51
Urinary elimination of styrene in experimental and occupational exposure. Pezzagno G, et al. Scand J Work Environ Health 1985 Oct;11(5):371–9

SUBACUTE SCLEROSING PANENCEPH VIRUS see **SSPE VIRUS**

SUBACUTE SCLEROSING PANENCEPHALITIS

CEREBROSPINAL FLUID

Immunochemical aspects of cerebrospinal fluid immunoglobulins in patients with subacute sclerosing panencephalitis. Cernescu C, et al. **Virologie** 1986 Apr–Jun; 37(2):89–93

DIAGNOSIS

Signs of focal posterior cerebral abnormality in early subacute sclerosing panencephalitis. Begeer JH, et al. **Ann Neurol** 1986 Feb;19(2):200–2

Subacute sclerosing panencephalitis in Bihar. Sinha KK, et al. **J Assoc Physicians India** 1985 Oct;33(10):633–6

Synthesis of measles virus-specific IgM antibodies and IgM-class rheumatoid factor in relation to clinical onset of subacute sclerosing panencephalitis. Ziola B, et al. **J Med Virol** 1986 Jan;18(1):51–9

Subacute sclerosing panencephalitis in Jamaica. Gray RH, et al. **West Indian Med J** 1986 Mar;35(1):27–34

[Subacute sclerosing panencephalitis in an adult: report of a case] Kouyoumdjian JA. **Arq Neuropsiquiatr** 1985 Sep; 43(3):312–5 (Eng. Abstr.) **(Por)**

DRUG THERAPY

Long–term study of isoprinosine in a case of subacute sclerosing panencephalitis. De Reuck JL, et al. **Eur Neurol** 1985;24(5):294–7

The treatment of subacute sclerosing panencephalitis with interferon: a case report. Norris FH, et al. **J Neurol** 1986 Apr;233(2):102–7

Subacute sclerosing panencephalitis: remission after treatment with intraventricular interferon. Panitch HS, et al. **Neurology** 1986 Apr;36(4):562–6

[Subacute sclerosing panencephalitis: serial CT studies and magnetic resonance imaging] Inada H, et al. **No To Hattatsu** 1986 May;18(3):199–206 (Eng. Abstr.) **(Jpn)**

[Evaluation of the results of the treatment of patients with subacute sclerosing panencephalitis with TFX–Polfa] Vainiene M, et al. **Neurol Neurochir Pol** 1985 Jul–Aug; 19(4):286–90 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Subacute sclerosing panencephalitis in Iran. Shafyi A, et al. **Kitasato Arch Exp Med** 1984 Dec;57(4):267–71

FAMILIAL & GENETIC

Subacute sclerosing panencephalitis in twins. Michałowicz R, et al. **Acta Paediatr Hung** 1985;26(2):97–9

Accumulated measles virus mutations in a case of subacute sclerosing panencephalitis: interrupted matrix protein reading frame and transcription alteration. Cattaneo R, et al. **Virology** 1986 Oct 15;154(1):97–107

IMMUNOLOGY

Lack of relationship between the HLA system and subacute sclerosing panencephalitis. Członkowska A, et al. **Acta Neurol Scand** 1986 Mar;73(3):304–5

Spontaneous cytotoxicity against measles virus infected and K562 cells in normal subjects and subacute sclerosing panencephalitis. Sanal O, et al. **Boll Ist Sieroter Milan** 1985; 64(5):400–3

Circulating immune complexes in patients with subacute sclerosing panencephalitis. Salmi A, et al. **Clin Immunol Immunopathol** 1986 Oct;41(1):16–25

Measles IgM antibodies in cerebrospinal fluid and serum in subacute sclerosing panencephalitis. Chiodi F, et al. **J Med Virol** 1986 Feb;18(2):149–58

Lymphocyte subsets at different stages of subacute sclerosing panencephalitis: a study with monoclonal antibodies. Marrosu MG, et al. **J Neurol Neurosurg Psychiatry** 1986 Jun;49(6):713–5

Detection of antibody to M protein of measles virus in patients with subacute sclerosing panencephalitis: a comparative study on immunoprecipitation. Ohara Y, et al. **Microbiol Immunol** 1985;29(8):709–23

Subacute sclerosing panencephalitis and progressive multiple sclerosis: T cell subsets in blood and CSF. Członkowska A, et al. **Neurology** 1986 Jul;36(7):992–3

Subpopulations of T lymphocytes in subacute sclerosing panencephalitis (SSPE). Sanal O, et al. **Turk J Pediatr** 1986 Jan–Mar;28(1):23–9

Further data on the antigenic drift in subacute sclerosing panencephalitis (SSPE). Cernescu C, et al. **Virologie** 1985 Jul–Sep;36(3):155–9

[Oligoclonal IgG and IgA in subacute sclerosing panencephalitis] Grimaldi LM, et al. **Acta Neurol (Napoli)** 1986 Jun;8(3):226–9 (Eng. Abstr.) **(Ita)**

[Studies on the interaction between cells infected with measles virus and anti–measles antibody. I. Cytotoxic antibody activity of sera obtained from patients with natural measles and subacute sclerosing panencephalitis by use of chronically infected cell lines] Kuwajima S. **Hokkaido Igaku Zasshi** 1986 Jan;61(1):5–14 (Eng. Abstr.) **(Jpn)**

[Analysis of the occurrence of measles virus antibodies in the serum, cerebrospinal fluid, saliva and urine of children with subacute sclerosing panencephalitis (SSPE)] Jankowski M, et al. **Med Doew Mikrobiol** 1986;38(2):114–9 (Eng. Abstr.) **(Pol)**

[Sensitization of lymphocytes of the cerebrospinal fluid and blood to myelin basic proteins and glycolipids in subacute sclerosing panencephalitis] Członkowska A, et al. **Neurol Neurochir Pol** 1986 Jan–Feb;20(1):6–11 (Eng. Abstr.) **(Pol)**

METABOLISM

Search for virus nucleic acid sequences in postmortem human brain tissue using in situ hybridization technology with cloned probes: some solutions and results on progressive multifocal leukoencephalopathy and subacute sclerosing panencephalitis tissue. Shapshak P, et al. **J Neurosci Res** 1986;16(1):281–301

Subacute sclerosing panencephalitis: measles virus matrix protein nucleic acid sequences detected by in situ hybridization. Shapshak P, et al. **Neurology** 1985 Nov; 35(11):1605–9

[Search for the detection of matrix (M) protein nucleotide sequences in subacute sclerosing panencephalitis (SSPE) frozen brain tissue by in situ hybridization] Nakamura S, et al. **Rinsho Shinkeigaku** 1985 Oct;25(10):1141–7 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Expression of defective measles virus genes in brain tissues of patients with subacute sclerosing panencephalitis. Baczko K, et al. **J Virol** 1986 Aug;59(2):472–8

Round cell variant of measles virus: spontaneous conversion from productive to cell–associated state of infection. Carrigan DR. **Virology** 1985 Jul 30;144(2):337–50

OCCURRENCE

Subacute sclerosing panencephalitis in Italy. An epidemiological study. Cianchetti C, et al. **Acta Neurol Scand** 1986 Feb;73(2):160–7

SSPE: epidemiological and serological features in a series of cases recorded between 1975 and 1984. Cernescu C, et al. **Virologie** 1985 Oct–Dec;36(4):247–54

PATHOLOGY

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 25–1986. A 24–year–old woman with a three–month history of progressive mental deterioration. **N Engl J Med** 1986 Jun 26;314(26):1689–700

[Clinicopathologic conference at the Salpêtrière April 1984. Behavior disorders, convulsive seizures and coma with rapid progression in a 19–year–old man] Martin JJ, et al. **Rev Neurol (Paris)** 1985;141(6–7):501–6 **(Fre)**

PHYSIOPATHOLOGY

Periodic generalized bursts of fast waves in subacute sclerosing panencephalitis. Martinović Z. **Electroencephalogr Clin Neurophysiol** 1986 Mar;63(3):236–8

[Long–term subacute sclerosing panencephalitis with sensorial transcortical aphasia. Description of a case] Ciotti F, et al. **Pediatr Med Chir** 1985 May–Jun;7(3):463–5 (Eng. Abstr.) **(Ita)**

PREVENTION & CONTROL

Protective effect of measles virus inoculation on subacute sclerosing panencephalitis virus–infected mice. Ohuchi M, et al. **Microbiol Immunol** 1986;30(3):203–11

RADIOGRAPHY

[Aspects and behavior of x–ray computed tomographic studies in subacute sclerosing panencephalitis] Nurchi AM, et al. **Pediatr Med Chir** 1985 Sep–Oct;7(5):735–41 (Eng. Abstr.) **(Ita)**

THERAPY

Treatment of subacute sclerosing panencephalitis with human leukocyte interferon. Mizutani N, et al. **Tohoku J Exp Med** 1985 Jul;146(3):277–84

[The effects of intrathecally administered human lymphoblastoid interferon on subacute sclerosing panencephalitis] Yamamoto K, et al. **No To Hattatsu** 1985 Sep;17(5):405–11 (Eng. Abstr.) **(Jpn)**

SUBARACHNOID HEMORRHAGE

Bleeding of intracranial angioma as a cause of intrauterine death of fetus. Yenrudi S, et al. **J Med Assoc Thai** 1985 Nov;68(11):605–8

BLOOD

Estimation of plasma catecholamines by high–performance liquid chromatography with electrochemical detection in patients with subarachnoid haemorrhage. Elworthy PM, et al. **J Chromatogr** 1986 Jul 11;380(1):33–41

[Changes of blood coagulability and effects of the platelet aggregation inhibitor (ticlopidine) in experimental subarachnoid hemorrhage in dogs] Toyoda O, et al. **Neurol Med Chir (Tokyo)** 1985 Oct;25(10):810–7 (Eng. Abstr.) **(Jpn)**

CEREBROSPINAL FLUID

Increased concentrations of the monoamine metabolites homovanillic acid and 5–hydroxyindoleacetic acid in lumbar and central CSF and of 3–methoxy–4–hydroxyphenylglycol in lumbar CSF after subarachnoid haemorrhage. von Holst H, et al. **Acta Neurochir (Wien)** 1985;77(3–4):146–51

Increased levels of amino acids in human lumbar and central cerebrospinal fluid after subarachnoid haemorrhage. von Holst H, et al. **Acta Neurochir (Wien)** 1985;78(1–2):46–56

Increased levels of somatomedins in human lumbar and central cerebrospinal fluid after subarachnoid haemorrhage. von Holst H, et al. **Acta Neurochir (Wien)** 1985; 78(3–4):157–60

Prostacyclin and vasospasm in subarachnoid hemorrhage from ruptured intracranial aneurysm. A preliminary clinical study. Gaetani P, et al. **Acta Neurol Scand** 1986 Jan; 73(1):33–8

Prostaglandin D2 monitoring in human CSF after subarachnoid hemorrhage: the possible role of prostaglandin D2 in the genesis of cerebral vasospasm. Gaetani P, et al. **Ital J Neurol Sci** 1986 Feb;7(1):81–8

[Serial measurement of bradykinin of the cerebrospinal fluid in patients with subarachnoid hemorrhage] Kasuya H, et al. **No To Shinkei** 1986 Jun;38(6):551–6 (Eng. Abstr.) **(Jpn)**

[Fibrinolytic activity of cerebrospinal fluid as an indicator of the risk of repeated ruptures of arterial aneurysms] Kholodov SA, et al. **Zh Vopr Neirokhir** 1985 Jul–Aug; (4):18–22 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Cerebral venous thrombosis and subarachnoid haemorrhage in users of oral contraceptives. Chilvers E, et al. **Br Med J [Clin Res]** 1986 Feb 22;292(6519):524

COMPLICATIONS

Acute non–communicating hydrocephalus after spontaneous subarachnoid haemorrhage [letter] Aoki N. **Acta Neurochir (Wien)** 1986;81(1–2):80–1

A contribution to the pathogenesis of respiratory disturbances associated with subarachnoid haemorrhage; an experimental approach using an animal model. Karoutas G, et al. **Acta Neurochir (Wien)** 1985;78(3–4):148–56

Management of associated primary cerebral neoplasms and vascular malformations: 1. Intracranial aneurysms. Licata C, et al. **Acta Neurochir (Wien)** 1986;82(1–2):28–38

Role of the arachidonate cascade in the pathogenetic mechanism of cerebral vasospasm following subarachnoid hemorrhage. Asano T, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:503–5

Seizures associated with spontaneous subarachnoid hemorrhage. Sundaram MB, et al. **Can J Neurol Sci** 1986 Aug;13(3):229–31

Cerebral vasospasm after an intracranial aneurysmal subarachnoid hemorrhage: a nursing perspective. Jackson LO. **Heart Lung** 1986 Jan;15(1):14–20 (25 ref.)

Arachidonate metabolites and vasospasm after subarachnoid haemorrhage. Rodriguez y Baena R, et al. **Neurol Res** 1986 Mar;8(1):25–32 (65 ref.)

Cardiovascular response to greater petrosal nerve section as method of prevention of experimental cerebral vasospasm in subarachnoid hemorrhage. Ryba M, et al. **Neuropatol Pol** 1985;23(2):247–53

A transcranial Doppler method in the evaluation of cerebrovascular spasm. Aaslid R, et al. **Neuroradiology** 1986;28(1):11–6

Pulseless disease associated with multiple intracranial aneurysms. Masuzawa T, et al. **Neuroradiology** 1986; 28(1):17–22

Variant aneurysms of the fenestrated basilar artery. Andrews BT, et al. **Neurosurgery** 1986 Feb;18(2):204–7

Hydrocephalus and vasospasm after subarachnoid hemorrhage from ruptured intracranial aneurysms. Black PM. **Neurosurgery** 1986 Jan;18(1):12–6

Computed tomographic grading with Hounsfield number related to delayed vasospasm in cases of ruptured cerebral aneurysm. Fujita S. **Neurosurgery** 1985 Oct;17(4):609–12

Profound cerebral vasospasm without radiological evidence of subarachnoid hemorrhage: case report. Grady MS, et al. **Neurosurgery** 1986 May;18(5):653–9

Subarachnoid hemorrhage and the heart. Marion DW, et al. **Neurosurgery** 1986 Jan;18(1):101–6

Nimodipine and chronic vasospasm in monkeys: Part 3. Cardiopulmonary effects. Nosko M, et al. **Neurosurgery** 1986 Mar;18(3):261–5

Spinal subarachnoid haemorrhage presenting as spinal block without meningism. Duncombe AS, et al. **Postgrad Med J** 1985 Nov;61(721):991–3

Subarachnoid haemorrhage in the rat: effect on the development of cerebral vasospasm of lesions in the central serotoninergic and dopaminergic systems. Svendgaard NA, et al. **Stroke** 1986 Jan–Feb;17(1):86–90

Brown–Séquard syndrome caused by a spinal subarachnoid hematoma due to anticoagulant therapy. Koehler PJ, et al. **Surg Neurol** 1986 Feb;25(2):191–3

Induced hypertension for the treatment of cerebral ischemia after subarachnoid hemorrhage. Direct effect on cerebral blood flow. Muizelaar JP, et al. **Surg Neurol** 1986 Apr; 25(4):317–25

[Cerebral arteriospasm as a complication of subarachnoidal hemorrhage] Kadaňka Z, et al. **Cesk Neurol Neurochir** 1986 May;49(3):144–51 **(Cze)**

[Vitrectomy in Terson's syndrome] Turut P, et al. **Bull Soc Ophtalmol Fr** 1984 Oct;84(10):1129–32 (Eng. Abstr.) **(Fre)**

[Cardiorespiratory problems in the use of calcium antagonists for vasospasm prophylaxis in subarachnoid hemorrhage] Guggenberger H, et al. **Anaesthesist** 1986 Jul;35(7):429–32 (Eng. Abstr.) **(Ger)**

[Cerebral vasospasm caused by subarachnoid hemorrhage] Paoletti P, et al. **Minerva Med** 1986 Jun 8;77(24):1071–7 (Eng. Abstr.) **(Ita)**

[Trapped fourth ventricle resulting from 'one-way aqueductal block'. Case report] Iizuka H, et al. **Neurol Med Chir (Tokyo)** 1986 Feb;26(2):177–80 (Eng. Abstr.) **(Jpn)**

[Postoperative course of involved cranial nerves due to intracranial aneurysms. Especially about the oculomotor nerve palsy] Watanabe A, et al. **Neurol Med Chir (Tokyo)** 1985 Aug;25(8):633–9 (Eng. Abstr.) **(Jpn)**

[Intrathecal irrigation with urokinase in ruptured cerebral aneurysm cases. Basic study and clinical application] Yoshida Y, et al. **Neurol Med Chir (Tokyo)** 1985 Dec; 25(12):989–97 (Eng. Abstr.) **(Jpn)**

[Intraventricular and intracerebral hemorrhage as complication of hemodynamic therapy for vasospasm after subarachnoid hemorrhage—analysis of 2 cases] Ishiguro S, et al. **No Shinkei Geka** 1985 Dec;13(12):1343–7 (Eng. Abstr.) **(Jpn)**

[Psychiatric symptoms in cases with ruptured cerebral aneurysm] Nukui H. **No Shinkei Geka** 1985 Sep; 13(9):933–43 (44 ref.) **(Jpn)**

[Immunological investigation of late cerebral vasospasm in subarachnoid hemorrhage. (Part 1)] Shirasaka A, et al. **No Shinkei Geka** 1986 Mar;14(4):493–7 (Eng. Abstr.) **(Jpn)**

[Myocardial damage (myocytolysis) caused by subarachnoid hemorrhage] Sugiura M, et al. **No To Shinkei** 1985 Dec; 37(12):1155–61 (Eng. Abstr.) **(Jpn)**

[Case of pulmonary edema in subarachnoid hemorrhage] Evdokimov VG, et al. **Klin Med (Mosk)** 1986 Apr; 64(4):134–5 **(Rus)**

[A case of development of extensive acute stomach ulcers in subarachnoid hemorrhage] Evdokimov VG, et al. **Sov Med** 1985;(12):114–6 **(Rus)**

[Effect of temporary interruption of blood flow through the major intracranial vessels on the outcome of surgical treatment of arterial aneurysms] Lebedev VV, et al. **Zh Vopr Neirokhir** 1986 May–Jun;(3):8–12 (Eng. Abstr.) **(Rus)**

[Informativeness of computer tomography and the infusion test in the diagnosis of progressive open internal hydrocephalus] Shusarek Ia, et al. **Zh Vopr Neirokhir** 1986 May–Jun;(3):23–6 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Acute subarachnoid hemorrhage: in vitro comparison of magnetic resonance and computed tomography. Chakeres DW, et al. **AJNR** 1986 Mar–Apr;7(2):223–8

Subarachnoid hemorrhage during pregnancy and the puerperium: report of 3 cases and review of the literature. Nedd KJ, et al. **J Am Osteopath Assoc** 1986 Mar; 86(3):183–8

MR identification of bleeding site in subarachnoid hemorrhage with multiple intracranial aneurysms. Hackney DB, et al. **J Comput Assist Tomogr** 1986 Sep–Oct; 10(5):878–80

Long-term prognosis of subarachnoid hemorrhages of unknown etiology. Ruelle A, et al. **J Neurol** 1985; 232(5):277–9

Prognosis in subarachnoid hemorrhage of unknown etiology. Juul R, et al. **J Neurosurg** 1986 Mar;64(3):359–62

Chronic subdural hematoma presenting as spontaneous subarachnoid hemorrhage. Report of six cases. Kotwica Z, et al. **J Neurosurg** 1985 Nov;63(5):691–2

Ruptured intracranial aneurysms during pregnancy. A report of four cases. Giannotta SL, et al. **J Reprod Med** 1986 Feb;31(2):139–47

Thiazide-induced dilutional hyponatraemia masquerading as subarachnoid haemorrhage [letter] Bain PG, et al. **Lancet** 1986 Sep 13;2(8507):634

Dilutional hyponatraemia masquerading as subarachnoid haemorrhage in patient on hydrochlorothiazide/amiloride/timolol combined drug [letter] Benfield GF, et al. **Lancet** 1986 Aug 9;2(8502):341

Comparative studies of the diagnostic value of cerebrospinal fluid spectrophotometry and computed tomographic scanning in subarachnoid hemorrhage. Tsementzis SA, et al. **Neurosurgery** 1985 Dec;17(6):908–12

[The warning leak (letter)] Tiemens JG. **Ned Tijdschr Geneeskd** 1986 Jun 7;130(23):1077 **(Dut)**

[A case of acoustic neurinoma presenting as subarachnoid hemorrhage] Sasaki K, et al. **No Shinkei Geka** 1985 Sep; 13(9):1013–7 (Eng. Abstr.) **(Jpn)**

[Various epidemiological and clinical aspects and diagnostic difficulties in subarachnoid hemorrhage] Jeżyna C, et al. **Przegl Epidemiol** 1985;39(3–4):388–93 (Eng. Abstr.) **(Pol)**

[Fundus oculi in subarachnoid hemorrhage] Cernea P, et al. **Rev Chir [Oftalmol]** 1986 Apr–Jun;30(2):93–8 (Eng. Abstr.) **(Rum)**

[ECG changes in the acute period of subarachnoid hemorrhage] Lebedev VV, et al. **Sov Med** 1985;(10):101–3 **(Rus)**

[Diagnosis and treatment of patients in the acute period of a subarachnoid hemorrhage as a result of rupture of arterial aneurysms of the brain] Lebedev VV, et al. **Zh Nevropatol Psikhiatr** 1985;85(8):1143–6 (Eng. Abstr.) **(Rus)**

[Diagnosis of subarachnoid hemorrhage—lumbar puncture or computerized tomography?] Hillman J. **Lakartidningen** 1986 Apr 9;83(15):1379–82 **(Swe)**

DRUG THERAPY

Prevention of cerebral vasospasm with OKY-046 an imidazole derivative and a thromboxane synthetase inhibitor. A preliminary co-operative clinical study. Suzuki S, et al. **Acta Neurochir (Wien)** 1985;77(3–4):133–41

Cerebral vasospasm and calcium channel blockade. Nimodipine treatment in patients with aneurysmal subarachnoid hemorrhage. Brandt L, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;58 Suppl 2:151–5

Antifibrinolytics in subarachnoid haemorrhage. Tsementzis SA, et al. **Br J Clin Pract** 1985 Nov–Dec;39(11–12):423–7 (32 ref.)

Beta-blockade benefits patients following a subarachnoid haemorrhage. Neil-Dwyer G, et al. **Eur J Clin Pharmacol** 1985;28 Suppl:25–9

Pharmacokinetics of nimodipine in patients with aneurysmal subarachnoid haemorrhage. Vinge E, et al. **Eur J Clin Pharmacol** 1986;30(4):421–5

The effect of mannitol on cerebral blood flow. Jafar JJ, et al. **J Neurosurg** 1986 May;64(5):754–9

Nizofenone administration in the acute stage following subarachnoid hemorrhage. Results of a multi-center controlled double-blind clinical study. Ohta T, et al. **J Neurosurg** 1986 Mar;64(3):420–6

Spontaneous thrombosis of ruptured intracranial aneurysm during treatment with tranexanic acid. Case report. Tanghetti B, et al. **J Neurosurg Sci** 1985 Apr–Jun; 29(2):105–8

Modification of experimental post-subarachnoid hemorrhage vasculopathy with intracisternal plasmin. Alksne JF, et al. **Neurosurgery** 1986 Jul;19(1):20–5

Beta-blockers, plasma total creatine kinase and creatine kinase myocardial isoenzyme, and the prognosis of subarachnoid hemorrhage. Neil-Dwyer G, et al. **Surg Neurol** 1986 Feb;25(2):163–8

[Antifibrinolytic therapy in subarachnoid hemorrhage] Vermeulen M, et al. **Ned Tijdschr Geneeskd** 1986 Feb 22; 130(8):345–8 **(Dut)**

[Current status of intrathecal antifibrinolytic therapy with p-aminomethylbenzoic acid (PAMBA) in subarachnoid hemorrhages] Hindersin P, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1985 Dec; 37(12):686–9 (Eng. Abstr.) **(Ger)**

[Vascular and neuronal mechanisms of calcium antagonists. Significance in neurological therapy] Govoni S, et al. **Minerva Med** 1986 Jun 8;77(24):1053–8 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Subarachnoid haemorrhage of unknown origin. Spallone A, et al. **Acta Neurochir (Wien)** 1986;80(1–2):12–7

Delayed spinal subarachnoid hematoma: a rare complication of C1–C2 cervical myelography. Abla AA, et al. **AJNR** 1986 May–Jun;7(3):526–8

Intracranial hemorrhage in children with sickle cell disease. Van Hoff J, et al. **Am J Dis Child** 1985 Nov;139(11):1120–3

Aneurysmal subarachnoid hemorrhage and viral infection. Lack of association. Timmons TA, et al. **Arch Neurol** 1986 Apr;43(4):376–8

Fatal subarachnoid hemorrhage due to traumatic rupture of the vertebral artery. Deck JH, et al. **Arch Pathol Lab Med** 1986 Jun;110(6):489–93

Rupture of posterior inferior cerebellar artery by single blow to head. Dolman CL. **Arch Pathol Lab Med** 1986 Jun; 110(6):494–6

An unusual cause of maternal mortality in homozygous sickle cell anaemia in pregnancy: case report. Soyemi AO, et al. **East Afr Med J** 1985 Feb;62(2):140–2

Pheochromocytoma and multiple intracerebral aneurysms. DeSouza TG, et al. **J Pediatr** 1986 Jun;108(6):947–9

Subarachnoid hemorrhage from a peripheral intracranial aneurysm associated with malignant glioma: report of a case. Andrews BT, et al. **Neurosurgery** 1985 Oct; 17(4):645–9

Subarachnoid hemorrhage and AVM [letter] Aoki N. **Neurosurgery** 1986 Mar;18(3):387

Subarachnoid hemorrhage in the presence of a cerebral arteriovenous malformation and an intraventricular oligodendroglioma: case report. Martinez-Lage JF, et al. **Neurosurgery** 1986 Jul;19(1):125–8

Subarachnoid hemorrhage due to anterior spinal artery aneurysm. Smith BS, et al. **Neurosurgery** 1986 Feb; 18(2):217–9

Hemorrhagic infarction after vasospasm due to ruptured cerebral aneurysm. Terada T, et al. **Neurosurgery** 1986 Apr; 18(4):415–8

Neurological complications of systemic vasculitis. A report of 2 cases. Maloon A, et al. **S Afr Med J** 1985 Oct 12; 68(8):603–5

[The warning leak] Beks JW. **Ned Tijdschr Geneeskd** 1986 Apr 26;130(17):761–2 **(Dut)**

[Vascular spasm and cerebral ischemia after meningeal hemorrhage caused by rupture of an aneurysm] Van der Werf AJ. **Neurochirurgie** 1986;32(1):1–22 (124 ref.) (Eng. Abstr.) **(Fre)**

[Meningeal hemorrhage, a symptom disclosing spinal tumor in children] Perel Y, et al. **Pediatrie** 1985 Dec;40(8):645–51 (Eng. Abstr.) **(Fre)**

[Spinal subarachnoid hemorrhage. Apropos of 2 cases of cauda equina tumors] Vernet O, et al. **Schweiz Med Wochenschr** 1986 Jun 7;116(23):781–5 (Eng. Abstr.) **(Fre)**

[Spontaneous subarachnoid hemorrhage as a symptomatic manifestation of an acoustic neurinoma] Mironov A, et al. **Radiologe** 1986 Apr;26(4):202–5 (Eng. Abstr.) **(Ger)**

[Subarachnoid hemorrhage caused by cerebral arteriovenous malformations. Importance of neuroradiological studies] Cecchini A, et al. **Minerva Med** 1986 Jun 16;77(25):1165–74 (Eng. Abstr.) **(Ita)**

[Subarachnoid hemorrhage caused by rupture of cerebral aneurysm. Value of neuroradiological studies] Cecchini A, et al. **Minerva Med** 1986 Jun 8;77(24):1059–69 (65 ref.) (Eng. Abstr.) **(Ita)**

[Subarachnoid hemorrhage. Etiopathogenetic aspects] Gandolfo C, et al. **Minerva Med** 1986 Jun 8;77(24):1045–7 (Eng. Abstr.) **(Ita)**

[Subarachnoid hemorrhage caused by rupture of intracranial saccular aneurysm. Epidemiology, natural history, treatment] Guidetti B. **Minerva Med** 1986 Jun 8; 77(24):1093–101 (Eng. Abstr.) **(Ita)**

[Subarachnoid hemorrhage due to aneurysm. Natural history] Loeb C. **Minerva Med** 1986 Jun 8;77(24):1049–52 (Eng. Abstr.) **(Ita)**

[Intracranial aneurysms and subarachnoid hemorrhage in children and adolescents] Mazza C, et al. **Minerva Med** 1986 Jun 16;77(25):1145–51 (Eng. Abstr.) **(Ita)**

[A case of peptostreptococcal meningitis associated with subarachnoid hemorrhage and subdural hematoma] Sato Y, et al. **No To Shinkei** 1986 May;38(5):469–73 (Eng. Abstr.) **(Jpn)**

[Subarachnoid hemorrhage in neoplasms of the posterior cranial fossa. Description of 2 cases] Kotwica Z, et al. **Neurol Neurochir Pol** 1985 May–Jun;19(3):269–71 (Eng. Abstr.) **(Pol)**

METABOLISM

Anti-thrombin III activity in cerebrovascular accidents. Verma SL, et al. **J Assoc Physicians India** 1985 May; 33(5):358–9

Oligoclonal immunoglobulin G in acute subarachnoid hemorrhage and stroke. Tsementzis SA, et al. **Neurology** 1986 Mar;36(3):395–7

Barrier disruption in the major cerebral arteries during the acute stage after experimental subarachnoid hemorrhage. Sasaki T, et al. **Neurosurgery** 1986 Aug;19(2):177–84

Characterization of beta adrenergic receptors in human cerebral arteries and alteration of the receptors after subarachnoid hemorrhage. Tsukahara T, et al. **Stroke** 1986 Mar–Apr;17(2):202–7

[Characterization of adrenergic receptors in human cerebral arteries and the alteration after subarachnoid hemorrhage] Tsukahara T. **Nippon Geka Hokan** 1985 Nov 1;54(6):406–16 (Eng. Abstr.) **(Jpn)**

[Effect of experimental subarachnoid hemorrhage on calcium incorporation and adrenergic innervation of the cerebral arteries of the cat] Marín J, et al. **Rev Esp Fisiol** 1985 Dec; 41(4):381–6 (Eng. Abstr.) **(Spa)**

MORTALITY

[Prognosis in subarachnoid hemorrhage of unknown origin] Eskesen V, et al. **Ugeskr Laeger** 1986 Jul 14;148(29):1818–9 (Eng. Abstr.) **(Dan)**

NURSING

Subarachnoid hemorrhage in children: a nursing perspective. Stewart-Amidei C, et al. **J Neurosci Nurs** 1986 Apr; 18(2):63–70

OCCURRENCE

[Subarachnoid hemorrhage. Epidemiological data] Gandolfo C. **Minerva Med** 1986 Jun 8;77(24):1041–4 (Eng. Abstr.) **(Ita)**

PATHOLOGY

A case simulating ophthalmoplegic migraine: clinicopathological study. Morimoto K, et al. **Headache** 1985 Nov;25(8):426–8

Pattern of reticular fibres of the major cerebral arteries in cases of unexplained subarachnoid haemorrhage. Hegedüs K. **J Neurol** 1986 Feb;233(1):44–7

Ultrastructural evidence of arterial denervation following experimental subarachnoid hemorrhage. Duff TA, et al. **J Neurosurg** 1986 Feb;64(2):292–7

Subarachnoid haemorrhage due to widely metastatising malignant ependymoma. Papo I, et al. **Neurochirurgia (Stuttg)** 1985 Nov;28(6):243–5

Lumbar puncture and subarachnoid haemorrhage [letter] Duffy GP. **NZ Med J** 1985 Sep 25;98(787):819

[Cerebrospinal fluid, especially cell findings, in subarachnoid

hemorrhage] Olischer RM, et al.
Psychiatr Neurol Med Psychol (Leipz) 1985 Sep; 37(9):529–40 (Eng. Abstr.) **(Ger)**
[Subarachnoid hemorrhage. Anatomico-clinico-therapeutic considerations] Rusu M, et al.
Rev Med Chir Soc Med Nat Iasi 1985 Jan–Mar;89(1):47–52 (Eng. Abstr.) **(Rum)**
[Effect of the level and extent of a brain stem lesion on central hemodynamics in patients with an arterial aneurysm in the acute stage of a subarachnoid hemorrhage] Galat AP, et al. **Zh Nevropatol Psikhiatr** 1986;86(1):42–6 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Influence of vagal input on cerebral blood flow in monkeys and dogs after experimental cerebral vasospasm. Ryba M, et al. **Acta Neurobiol Exp (Warsz)** 1985;45(5–6):163–71
The pathogenetic and prognostic significance of blood–brain barrier damage at the acute stage of aneurysmal subarachnoid haemorrhage. Clinical and experimental studies. Dóczi T. **Acta Neurochir (Wien)** 1985; 77(3–4):110–32
Activity of peripheral sympathetic efferent nerves in experimental subarachnoid haemorrhage. Part II: Observations during the "early vasospasm" periodFedina L, et al. **Acta Neurochir (Wien)** 1986;80(1–2):42–6
A comparative study of the portable regional CBF monitor and the portable mean hemispheral CBF monitor: advantages and disadvantages in clinical practice. Jabre A, et al. **Acta Neurochir (Wien)** 1985;77(3–4):142–5
Activity of peripheral sympathetic efferent nerves in experimental subarachnoid haemorrhage. Part I: Observations at the time of intracranial hypertension. Pásztor E, et al. **Acta Neurochir (Wien)** 1986;79(2–4):125–31
Hypertension in renal allograft recipients may be conveyed by cadaveric kidneys from donors with subarachnoid haemorrhage. Strandgaard S, et al.
Br Med J [Clin Res] 1986 Apr 19;292(6527):1041–4
A correlation between multiple unit activity in the hypothalamus and electrocardiographic changes during a subarachnoid hemorrhage. Lacy PS, et al. **Brain Res** 1986 May 14;373(1–2):146–52
QT and QT–peak interval measurements. A methodological study in patients with subarachnoid haemorrhage compared to a reference group. Rudehill A, et al. **Clin Physiol** 1986 Feb;6(1):23–37
Acute cardiopulmonary effects of subarachnoid hemorrhage in monkeys. Norris SL, et al. **Crit Care Med** 1986 May; 14(5):491–4
Blood distribution in computer cranial tomograms after subarachnoid hemorrhage with and without an aneurysm on angiography. Stober T, et al. **Eur Neurol** 1985; 24(5):319–23
Comparison of fast flow and initial slope index values for cerebral blood flow following subarachnoid haemorrhage. Richards PG, et al. **J Neurol Neurosurg Psychiatry** 1986 Apr;49(4):431–4
Animal model of subarachnoid hemorrhage [letter] Shigeno T, et al. **J Neurosurg** 1986 Jul;65(1):129–30
Reduced platelet function in subarachnoid hemorrhage. Tsementzis SA, et al. **J Neurosurg** 1986 Jun;64(6):907–10
Blood–brain barrier damage during the acute stage of subarachnoid hemorrhage, as exemplified by a new animal model. Dóczi T, et al. **Neurosurgery** 1986 Jun;18(6):733–9
Chronic cerebral vasospasm: effect of volume and timing of hemorrhage in a canine model. Zabramski JM, et al.
Neurosurgery 1986 Jan;18(1):1–6
Increased vulnerability of the blood–brain barrier to experimental subarachnoid hemorrhage in spontaneously hypertensive rats. Dóczi T, et al. **Stroke** 1986 May–Jun; 17(3):498–501
Central neural control of blood pressure and cardiac arrhythmias during subarachnoid hemorrhage in rats. Lacy PS, et al. **Stroke** 1985 Nov–Dec;16(6):998–102
Changes in cerebral blood flow and metabolism following intraarterial or local administration of nimodipine, before and after experimental subarachnoid hemorrhage in baboons. Sahlin C, et al. **Stroke** 1986 Mar–Apr;17(2):220–4
Altered membrane properties of cerebral vascular smooth muscle following subarachnoid hemorrhage: an electrophysiological study. I. Changes in resting membrane potential (Em) and effect on the electrogenic pump potential contribution to Em. Waters A, et al. **Stroke** 1985 Nov–Dec;16(6):990–7
[Cerebral blood flow and meningeal hemorrhage. An aid to the surgical decision] Géraud G, et al.
Rev Neurol (Paris) 1985;141(5):371–8 (Eng. Abstr.) **(Fre)**
[Quantification of the disturbed cerebrospinal fluid circulation and the elasticity after subarachnoid hemorrhage, using infusion studies. Preliminary report] Kitami K, et al. **Neurol Med Chir (Tokyo)** 1986 Feb; 26(2):153–9 (Eng. Abstr.) **(Jpn)**
[Arrhythmias in the subarachnoid hemorrhage model in the cat: role of the anterior hypothalamic area] Motomochi M. **Nippon Geka Hokan** 1985 May 1;54(3):172–88 (Eng. Abstr.) **(Jpn)**
[Intracranial pressure irregularities in experimental subarachnoid hemorrhage] Tsuji T, et al.
No Shinkei Geka 1986 Jan;14(1):45–9 (Eng. Abstr.) **(Jpn)**
[Changes in the time of central neural conduction and of the amplitude of the potential N10 of the somatosensory evoked potentials in a model of subarachnoid hemorrhage in baboons] Zawirski M, et al. **Neurol Neurochir Pol** 1985 May–Jun;19(3):241–6 (Eng. Abstr.) **(Pol)**

PREVENTION & CONTROL

Carotid ligation: what happens in the long term? Jha AN, et al. **J Neurol Neurosurg Psychiatry** 1986 Aug;49(8):893–8

PSYCHOLOGY

Psychiatric sequelae of subarachnoid haemorrhage. Oyebode F, et al. **Br J Hosp Med** 1986 Aug;36(2):104, 106–8

RADIOGRAPHY

Spinal subarachnoid clot detected by CT [letter] Azar-Kia B, et al. **AJNR** 1986 Jan–Feb;7(1):178–9
Spontaneous subarachnoid hemorrhage and negative cerebral panangiography. Review of 140 cases. Alexander MS, et al. **J Neurosurg** 1986 Apr;64(4):537–42
Timing of CT scanning after SAH [letter] Ohta T, et al. **J Neurosurg** 1985 Nov;63(5):817
Cerebral vasospasm evaluated by transcranial ultrasound correlated with clinical grade and CT-visualized subarachnoid hemorrhage. Seiler RW, et al.
J Neurosurg 1986 Apr;64(4):594–600
Rupture of cerebral aneurysm during angiography. Karttunen A, et al. **Neurochirurgia (Stuttg)** 1986 Jan;29(1):31–3
Interpeduncular fossa sign: CT criterion of subarachnoid hemorrhage. Yeakley JW, et al. **Radiology** 1986 Mar; 158(3):699–700
[Massive cerebral hemorrhage during angio–CT in a patient with subarachnoid hemorrhage caused by intracranial aneurysm] Coloaimo C Jr, et al. **Radiol Med (Torino)** 1985 Nov;71(11):786–8 **(Ita)**
[Multiplanar computerized angiotomography in the evaluation of aneurysms of the posterior inferior cerebellar artery] Pricca P, et al. **Radiol Med (Torino)** 1986 Jan–Feb; 72(1–2):17–21 (Eng. Abstr.) **(Ita)**
[Computed tomography in acute closed cranio-cerebral trauma. 2. Diagnosis of subarachnoid hemorrhages] Kishkovskiĭ AN, et al. **Vestn Rentgenol Radiol** 1985 Jul–Aug;(4):52–7 (Eng. Abstr.) **(Rus)**

SURGERY

Nimodipine and early aneurysm operation in good condition SAH patients. Auer LM, et al. **Acta Neurochir (Wien)** 1986; 82(1–2):7–13
Enhanced cisternal drainage and cerebral vasospasm in early aneurysm surgery. Ito U, et al. **Acta Neurochir (Wien)** 1986; 80(1–2):18–23
Pulmonary oedema associated with severe venous air embolism. Holmes CM, et al. **Anaesth Intensive Care** 1985 Nov;13(4):435–7
Capgras syndrome with subarachnoid hemorrhage. Bouckoms A, et al. **J Nerv Ment Dis** 1986 Aug;174(8):484–8
The dopamine withdrawal test following surgery for intracranial aneurysms. Mendelow AD, et al.
J Neurol Neurosurg Psychiatry 1986 Jan;49(1):35–8
Observations on the perioperative management of aneurysmal subarachnoid hemorrhage. Finn SS, et al. **J Neurosurg** 1986 Jul;65(1):48–62
Outcome evaluation following subarachnoid hemorrhage. Säveland H, et al. **J Neurosurg** 1986 Feb;64(2):191–6
Dipyridamole and postoperative ischemic deficits in aneurysmal subarachnoid hemorrhage. Shaw MD, et al. **J Neurosurg** 1985 Nov;63(5):699–703
Our experiences in early aneurysm operations: a preliminary report. Benedetti A, et al. **Neurochirurgia (Stuttg)** 1986 Jan; 29(1):25–7
Surgical treatment of multiple supratentorial aneurysms. Rodriguez y Baena R, et al. **Neurochirurgia (Stuttg)** 1986 Jan;29(1):20–4
Vasospasm and the timing of aneurysm surgery; have we progressed? Flamm ES. **Neurosurg Rev** 1986;9(1–2):71–6
Prevention of rebleeding after operation for subarachnoid hemorrhage of unknown cause. Sakai N, et al.
Neurosurgery 1985 Dec;17(6):942–6
[Early surgery of ruptured aneurysms. A factor in preventing ischemia] Creissard P, et al. **Neurochirurgie** 1985; 31(4):251–4 (Eng. Abstr.) **(Fre)**
[A change in aneurysm surgery—the acute operation] Synowitz HJ, et al. **Zentralbl Chir** 1986;111(12):697–708 (Eng. Abstr.) **(Ger)**
[Rapid growth and rupture of a newly originated aneurysm near the clipped middle cerebral artery aneurysm] Asari S, et al. **No Shinkei Geka** 1986 Mar;14(4):587–91 (Eng. Abstr.) **(Jpn)**
[Change of plasma volume on patients treated by induced hypertension therapy for vasospasm] Ishiguro S, et al.
No To Shinkei 1986 Mar;38(3):247–52 (Eng. Abstr.) **(Jpn)**
[Closing of the common carotid artery in cases of continuous hemorrhage from an intracranial aneurysm of the external carotid artery] Mazurowski W. **Pol Tyg Lek** 1986 Mar 10; 41(10):313–4 (Eng. Abstr.) **(Pol)**

THERAPY

Spontaneous subarachnoid haemorrhages. Ramamurthi B. **J Indian Med Assoc** 1985 May;83(5):166–7
Delayed CSF lavage for arteriographic and morphological vasospasm after experimental SAH. Alexander E 3d, et al. **J Neurosurg** 1985 Dec;63(6):949–58
Delayed ischemic deterioration in patients with early aneurysm operation and intravenous nimodipine. Säveland H, et al. **Neurosurgery** 1986 Feb;18(2):146–50
[Prospective trial of treating aneurysmal meningeal hemorrhage by delayed operation under cover of antifibrinolytic therapy] Irthum B, et al. **Neurochirurgie** 1986;32(2):122–8 (Eng. Abstr.) **(Fre)**
[Conservative principles in the therapy of subarachnoid hemorrhage] von Planta M, et al.
Dtsch Med Wochenschr 1986 Aug 29;111(35):1333–7 (20 ref.) **(Ger)**

SUBARACHNOID SPACE

Aberrant cerebrospinal fluid pathway. Detection by scintigraphy. Gupta SM, et al. **Clin Nucl Med** 1986 Aug; 11(8):593–4
A method for repeated CSF sampling in the freely moving rat. Kornhuber ME, et al. **J Neurosci Methods** 1986 Jul; 17(1):63–8
Subarachnoid–pleural fistula. Case report and review of the literature. Qureshi MM, et al. **J Thorac Cardiovasc Surg** 1986 Feb;91(2):238–41
Traumatic subarachnoid–pleural fistula. Brown WH, et al. **J Trauma** 1985 Nov;25(11):1105–7
A method for reliable and simultaneous cannulation of the epidural and subarachnoid spaces in pigs. A tool for the study of cerebrospinal fluid pharmacokinetics and drug penetration of the dura mater. Gordh T, et al.
Upsala J Med Sci 1986;91(1):111–5
[Effect of spinal CSF dynamics on the subarachnoid diffusion of a substance applied close to the spinal cord] Lanz E, et al. **Reg Anaesth** 1986 Jan;9(1):4–8 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

The fetal subarachnoid cisterns: an ultrasound study with report of a case of congenital communicating hydrocephalus. Pilu G, et al. **J Ultrasound Med** 1986 Jul; 5(7):365–72

INJURIES

Penetration of the subarachnoid space by fetal scalp electrode. Sharp DS, et al. **Br Med J [Clin Res]** 1985 Oct 26;291(6503):1169

PHYSIOLOGY

Spinal cord blood flow following sub-arachnoid lidocaine. Kozody R, et al. **Can Anaesth Soc J** 1985 Sep;32(5):472–8

PHYSIOPATHOLOGY

Inaccurate pressure readings for subarachnoid bolts. Miller JD, et al. **Neurosurgery** 1986 Aug;19(2):253–5

RADIOGRAPHY

Radiology of the ambient cistern. Part I: Normal. Chakeres DW, et al. **Neuroradiology** 1985;27(5):383–9
Radiology of the ambient cistern. Part II: Pathology. Chakeres DW, et al. **Neuroradiology** 1986;28(1):4–10 (35 ref.)
[CT–cisternography of the basal cisterns. A roentgen anatomic study] Galanski M, et al. **ROFO** 1986 Aug; 145(2):149–57 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

[Diagnosis of intraspinal diseases with myeloscintigraphy] Dietz H, et al. **Psychiatr Neurol Med Psychol Beih** 1969; 10–11:91–104 **(Ger)**

ULTRASTRUCTURE

Scanning electron microscopy of the subarachnoid space in the dog: inflammatory response after injection of defibrinated chicken erythrocytes. Persky B, et al.
Anat Rec 1985 Jul;212(3):307–18

SUBCELLULAR FRACTIONS

Twisted architectures in cell-free assembled collagen gels: study of collagen substrates used for cultures. Bouligand Y, et al. **Biol Cell** 1985;54(2):143–62

ANALYSIS

Regional and subcellular calmodulin content of rat brain. Hoskins B, et al. **J Neurochem** 1986 Jan;46(1):303–4
Subcellular localization of the 30K protein in TMV-inoculated tobacco protoplasts. Watanabe Y, et al. **Virology** 1986 Jul 30;152(2):414–20

DRUG EFFECTS

Role of diet fat in subcellular structure and function. Clandinin MT, et al. **Can J Physiol Pharmacol** 1985 May; 63(5):546–56 (79 ref.)

ENZYMOLOGY

Subcellular distribution and properties of acyl/alkyl dihydroxyacetone phosphate reductase in rodent livers. Ghosh MK, et al. **Arch Biochem Biophys** 1986 Mar; 245(2):523–30

Concanavalin A and phorbol ester cause opposite subcellular redistribution of protein kinase C. Costa-Casnellie MR, et al. **Biochem Biophys Res Commun** 1985 Dec 31; 133(3):1139-44

Calcium-induced alterations in the levels and subcellular distribution of proteolytic enzymes in human red blood cells. Grasso M, et al. **Biochem Biophys Res Commun** 1986 Jul 16;138(1):87-94

On the differential release of glycolytic enzymes from cellular structure. Humphreys L, et al. **Biochem Int** 1986 Jul; 13(1):71-7

Subcellular and organ distribution of cholesterol epoxide hydrolase in the rat. Aström A, et al. **Biochim Biophys Acta** 1986 Jul 16;882(3):359-66

Transamination pathways influencing L-glutamine and L-glutamate oxidation by rat enterocyte mitochondria and the subcellular localization of L-alanine aminotransferase and L-aspartate aminotransferase. Masola B, et al. **Biochim Biophys Acta** 1985 Nov 22;843(1-2):137-43

Regional and subcellular distribution of enzymes of branched-chain amino acid metabolism in brains of normal and diabetic rats. Brosnan ME, et al. **Can J Physiol Pharmacol** 1985 Oct;63(10):1234-8

In vitro degradation of oxytocin by pregnancy serum, placental subcellular fractions and purified placental aminopeptidases. Mizutani S, et al. **Exp Clin Endocrinol** 1985 Dec;86(3):310-6

Glycogen synthase (casein) kinase-1: tissue distribution and subcellular localization. Singh TJ, et al. **FEBS Lett** 1985 Oct 7;190(1):84-8

Subcellular localization of phosphatidylethanolamine N-methylation activity in rat heart. Panagia V, et al. **J Mol Cell Cardiol** 1985 Dec;17(12):1151-9

The subcellular distribution of a membrane-bound calmodulin-stimulated protein kinase. Rostas JA, et al. **Neurochem Res** 1986 Feb;11(2):253-68

[Lipoamide dehydrogenase, citrate synthase and beta-hydroxyacyl-CoA-dehydrogenase in skeletal muscle. VIII. The influence of temperature and rate of freezing of bovine muscle on the activity and subcellular distribution of the enzymes in the thawed tissue] Hamm R, et al. **Z Lebensm Unters Forsch** 1985 Sep;181(3):210-6 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Monoclonal antibody specific for the T-tubule of skeletal muscle. Malouf NN, et al. **J Histochem Cytochem** 1986 Mar;34(3):347-55

METABOLISM

Subcellular storage and axonal transport of neuropeptide Y (NPY) in relation to catecholamines in the cat. Fried G, et al. **Acta Physiol Scand** 1985 Sep;125(1):145-54

Subcellular distribution of selenium in the liver from rats fed selenium from fish: selenocystine and inorganic selenite. Ringdal O, et al. **Ann Nutr Metab** 1986;30(4):241-9

Binding of pregnancy-associated plasma protein-A (PAPP-A) to placental subfractions. Isaka K, et al. **Arch Gynecol** 1986;237(3):117-26

Proteolytic modification of rat prolactin by subcellular fractions of the lactating rat mammary gland. Wong VL, et al. **Biochim Biophys Acta** 1986 Apr 11;881(2):167-74

Activation of polycyclic aromatic hydrocarbons by hepatic S-9 from a marine fish. Milling DM, et al. **Bull Environ Contam Toxicol** 1985 Sep;35(3):301-7

Subcellular localization of transferrin protein and iron in the perfused rat liver. Effect of Triton WR 1339, digitonin and temperature. Sibille JC, et al. **Eur J Biochem** 1986 Feb 17;155(1):47-55

The preliminary evaluation of degradation of substance P(SP) fragment's analogue less than Glu SP6-11 in the subcellular fractions from different areas of rat brain. Turski WA, et al. **Int J Biochem** 1985;17(10):1097-101

Evidence for two subcellular pools and different kinetic behaviour of retinyl palmitate in rat liver. Periquet B, et al. **Int J Vitam Nutr Res** 1985;55(3):245-51

Subcellular localization of histone messenger RNAs on cytoskeleton-associated free polysomes in HeLa S3 cells. Zambetti G, et al. **J Cell Physiol** 1985 Nov;125(2):345-53

Subcellular localization of "peripheral-type" binding sites for benzodiazepines in rat brain. Basile AS, et al. **J Neurochem** 1986 Jan;46(1):305-8

Subcellular distribution of calcium- and calmodulin-dependent myosin light chain phosphorylating activity in rat cerebral cortex. Edelman AM, et al. **J Neurosci** 1985 Oct;5(10):2609-17

Functional compartmentation of intracellular magnesium. Günther T. **Magnesium** 1986;5(2):53-9

Rat ovarian subcellular compartmentalization of luteinizing hormone. Gilligan A, et al. **Mol Cell Endocrinol** 1986 Jul; 46(2):155-62

ULTRASTRUCTURE

Procoagulant activity in normal human urine associated with subcellular particles. Wiggins RC, et al. **Kidney Int** 1986 Feb;29(2):591-7

SUBCLAVIAN ARTERY

Subclavian aneurysm producing the subclavian steal syndrome. Otto R, et al. **Cardiovasc Intervent Radiol** 1986; 9(2):90-2

Exploration of supra-aortic vessels by digital subtraction angiography. Nicolau A, et al. **J Neuroradiol** 1985; 12(3):179-90 **(Eng, Fre)**

Vascular complications of thoracic outlet syndrome. Scher LA, et al. **J Vasc Surg** 1986 Mar;3(3):565-8

Brachiocephalic artery dilation by percutaneous transluminal angioplasty. Vitek JJ, et al. **Radiology** 1986 Mar; 158(3):779-85

Synchronous left subclavian and axillary artery aneurysms associated with melorheostosis. Applebaum RE, et al. **Surgery** 1986 Feb;99(2):249-53

[Present possibilities of surgical treatment of central stenosis and occlusion of the branches of the aortic arch] Weiss K, et al. **Rozhl Chir** 1986 May;65(5):305-15 (Eng. Abstr.) **(Cze)**

[The Doppler effect in ophthalmology] Rossazza C, et al. **Annee Ther Clin Ophtalmol** 1984;35:117-39 (Eng. Abstr.) **(Fre)**

[Prevertebral lesions of the subclavian artery: long-term results of reconstructive surgery and percutaneous angioplasty] Iscovici X, et al. **J Mal Vasc** 1985;10(3):183-8 (Eng. Abstr.) **(Fre)**

[Percutaneous catheter recanalization (angioplasty) of a subclavian occlusion with the subclavian steal syndrome] Kachel R, et al. **ROFO** 1986 Jul;145(1):107-9 **(Ger)**

[Correlation between monodimensional echocardiography and Doppler ultrasonography in noninvasive evaluation of aortic insufficiency] Neri G, et al. **Cardiologia** 1982; 27(8):807-12 **(Ita)**

[Report of a case with successful one-stage operation for ASr and iatrogenic pseudoaneuryam of rt. subclavian artery] Komeda M, et al. **Kyobu Geka** 1986 Feb;39(2):153-6 (Eng. Abstr.) **(Jpn)**

[Aortocoronary shunt in a patient with unstable angina pectoris and subclavian artery stenosis, corrected by roentgen endovascular dilatation] Belov IuV, et al. **Kardiologiia** 1985 Aug;25(8):98-9 **(Rus)**

[Features of the hemodynamics of major extracranial arteries in patients with occlusive lesions of the brachiocephalic vessels] Pokrovskiĭ AV, et al. **Zh Nevropatol Psikhiatr** 1986; 86(1):6-10 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Subclavian artery supply disruption sequence: hypothesis of a vascular etiology for Poland, Klippel-Feil, and Möbius anomalies. Bavinck JN, et al. **Am J Med Genet** 1986 Apr; 23(4):903-18 (62 ref.)

The management of right aortic arch, aberrant left subclavian artery, and ligamentum arteriosum: report of a case. Haas GE, et al. **J Am Osteopath Assoc** 1986 Jul;86(7):443-6

Aberrant right subclavian artery as a cause of respiratory distress and dysphagia in an adult. Chapunoff E, et al. **J Fla Med Assoc** 1985 Oct;72(10):840-2

The aberrant retroesophageal right subclavian artery. Seres-Sturm M, et al. **Morphol Embryol (Bucur)** 1985 Jul-Sep;31(3):183-6

[Vascular rings. Apropos of 15 surgical case reports] von Segesser L, et al. **Helv Chir Acta** 1985 Jun;52(2):261-8 (Eng. Abstr.) **(Fre)**

[Fatal hematemesis due to erosion of a retro-esophageal right subclavian artery by an esophagogastric tube] Gosset D, et al. **Presse Med** 1985 Sep 21;14(31):1655-6 (Eng. Abstr.) **(Fre)**

[Tent-shaped dilatation of the origin of the left subclavian artery] Goebel N, et al. **Vasa** 1985;14(3):289-91 (Eng. Abstr.) **(Ger)**

[Congenital subclavian steal syndrome: a case of right aortic arch with atretic aberrant left subclavian artery] Yoshii S, et al. **Nippon Geka Gakkai Zasshi** 1986 Apr;87(4):464-9 (Eng. Abstr.) **(Jpn)**

[Developmental defects of the aortic arch and right subclavian artery] Frantsev VI, et al. **Grudn Khir** 1986 Mar-Apr;(2):15-7 (Eng. Abstr.) **(Rus)**

[Vascular rings: review of our experience] Fernández González R, et al. **Rev Esp Cardiol** 1985 Jul-Aug; 38(4):283-7 (Eng. Abstr.) **(Spa)**

INJURIES

Left subclavian artery trauma: in situ vs. rib interspace mobilization for primary anastomosis. Schimpf PP, et al. **J Trauma** 1985 Nov;25(11):1069-73

Subclavian-axillary vascular trauma. McCready RA, et al. **J Vasc Surg** 1986 Jan;3(1):24-31

[Associated lesions in closed injuries of the thorax: right bronchial rupture, rupture of the right subclavian artery, and bilateral fracture of the 1st rib] Leguerrier A, et al. **J Chir (Paris)** 1985 Oct;122(10):561-5 (Eng. Abstr.) **(Fre)**

[Injuries of the major blood vessels during oncologic operations] Chumak PIa, et al. **Klin Khir** 1986;(5):57-8 **(Rus)**

RADIATION EFFECTS

Irradiation-induced changes in the subclavian and axillary arteries after radiotherapy for carcinoma of the breast. Kretschmer G, et al. **Surgery** 1986 Jun;99(6):658-63

RADIOGRAPHY

Aneurysm presenting as a breast mass. Dehn TC, et al. **Br Med J [Clin Res]** 1986 May 10;292(6530):1240

Huge left coronary artery aneurysm associated with multiple arterial aneurysms. Hinterauer L, et al. **Cardiovasc Intervent Radiol** 1985;8(3):127-30

Invagination of the left subclavian artery into the left upper lobe--a normal variant. Austin JH. **Comput Radiol** 1986 Mar-Jun;10(2-3):127-9

[Acute ischemia of the upper limb] Lagneau P, et al. **J Mal Vasc** 1986;11 Suppl A:7-11 **(Fre)**

[A case of multiple aneurysms in unusual locations. Clinical aspects, pathomorphology, therapy] Hagen B, et al. **Vasa** 1985;14(3):295-302 (Eng. Abstr.) **(Ger)**

SURGERY

Arteriovenous fistula following central venous catheterization. Sato O, et al. **Arch Surg** 1986 Jun; 121(6):729-31

Reconstruction of the brachiocephalic circulation by means of a jugular autograft. Buscaglia LC, et al. **J Cardiovasc Surg (Torino)** 1986 Mar-Apr;27(2):190-3

Extrathoracic management of subclavian artery occlusion. Welch GH, et al. **J R Coll Surg Edinb** 1985 Jun;30(3):154-8

Use of the internal mammary artery for preservation of circulation to the left arm after subclavian flap aortoplasty in correction of coarctation in children. Fournier A, et al. **J Thorac Cardiovasc Surg** 1985 Dec;90(6):926-8

Modified subclavian-pulmonary artery shunts [letter] McCabe JC. **J Thorac Cardiovasc Surg** 1986 May; 91(5):794-5

Use of the transverse cervical artery with indwelling shunt for subclavian-vertebral bypass. Donaldson MC, et al. **J Vasc Surg** 1985 Nov;2(6):917-20

The superiority of synthetic arterial grafts over autologous veins in carotid-subclavian bypass. Ziomek S, et al. **J Vasc Surg** 1986 Jan;3(1):140-5

Surgical approaches for the treatment of subclavian artery injuries secondary to blunt thoracic trauma. Dorsey JS, et al. **Minn Med** 1986 May;69(5):268-70

Aneurysms of the subclavian axillary artery. A report of 4 cases. Franklin J, et al. **S Afr J Surg** 1985 Dec;23(4):159-62

Simultaneous patency of ductus arteriosus and surgical shunt in pulmonary atresia with intact ventricular septum. A cause of acute myocardial failure? Corno A, et al. **Scand J Thorac Cardiovasc Surg** 1986;20(2):123-7

Surgical reconstruction of the proximal subclavian and vertebral arteries. Edwards WH, et al. **South Med J** 1986 Jun;79(6):702-9

Temporary extraanatomic subclavian-to-femoral bypass. An auxiliary method in the treatment of aneurysms of the descending thoracic aorta. Brücke P, et al. **Thorac Cardiovasc Surg** 1985 Aug;33(4):259-60

Extraanatomic correction of interrupted aortic arch--an alternative method. Schäfers HJ, et al. **Thorac Cardiovasc Surg** 1985 Aug;33(4):256-8

[Stenosis of the subclavian artery] Jensen BS, et al. **Ugeskr Laeger** 1986 Jun 23;148(26):1595-7 (Eng. Abstr.) **(Dan)**

[Approach to the axillo-subclavian trunk using a sterno-cleido-costal flap] Cornet L. **J Chir (Paris)** 1986 Apr;123(4):278-80 (Eng. Abstr.) **(Fre)**

[Double subclavian and vertebral reimplantation into the common carotid artery using single anastomosis] Burnay J, et al. **J Mal Vasc** 1986;11(2):194-6 (Eng. Abstr.) **(Fre)**

[Surgery of vertebral and subclavian atheromatous lesions. Experience with 165 reconstructive operations] Burnay J, et al. **J Mal Vasc** 1986;11(1):13-8 **(Fre)**

[Isolated coarctations of the aorta. Early repair by aortoplasty with the left subclavian artery. 15 cases] Bical O, et al. **Presse Med** 1986 Jun 14;15(24):1135-7 (Eng. Abstr.) **(Fre)**

[Vertebral and subclavian reimplantation into the common carotid artery with widening angioplasty on the vertebral ostium (letter)] Burnay J, et al. **Presse Med** 1986 Mar 22; 15(12):580 **(Fre)**

[Reimplantation of the subclavian artery into the common carotid artery] Cormier JM, et al. **Presse Med** 1985 Jul 13-20;14(28):1512-4 (Eng. Abstr.) **(Fre)**

[Surgery of the subclavian artery by cervical approach] Agrifoglio G. **Minerva Chir** 1986 Mar 31;41(5-6):291-4 **(Ita)**

[Blalock-Taussig shunts in newborn infants] Sawa Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Mar;34(3):343-8 (Eng. Abstr.) **(Jpn)**

[Systemic-pulmonary anastomosis with a homologous umbilical vein graft in the palliative treatment of congenital heart disease with decreased pulmonary flow] Cueva CN, et al. **Arq Bras Cardiol** 1985 Jan;44(1):27-30 (Eng. Abstr.) **(Por)**

[Methods for the closure of systemic-pulmonary anastomoses during radical correction of tetralogy of Fallot] Podzolkov VP, et al. **Grudn Khir** 1986 Mar-Apr;(2):17-23 (Eng. Abstr.) **(Rus)**

[Intraoperative dilatation of the subclavian artery] Fokin AA, et al. **Khirurgiia (Mosk)** 1986 May;(5):133-4 **(Rus)**

[Subclavian aneurysms] Larrañaga Calvo JR, et al. **Angiologia** 1986 Jul-Aug;38(4):191-8 (Eng. Abstr.) **(Spa)**

[The single ventricle in the first years of life. Our surgical viewpoint] Brito JM, et al. **Rev Esp Cardiol** 1985 Jul-Aug; 38(4):270-3 (Eng. Abstr.) **(Spa)**

TRANSPLANTATION

Arterial bypass grafts for upper extremity ischemia. Whitehouse WM Jr, et al. **J Vasc Surg** 1986 Mar; 3(3):569–73

SUBCLAVIAN STEAL SYNDROME

[Subclavian steal syndrome] Albera R, et al. **Acta Otorhinolaryngol Ital** 1985;5 Suppl 7:3–22 (Eng. Abstr.) (Ita)

COMPLICATIONS

Subclavian steal with ipsilateral vertebral artery occlusive disease. Mohr LL, et al. **J Cardiovasc Surg (Torino)** 1986 Jul–Aug;27(4):434–9

Postprandial transient painful amaurosis fugax. Eisenberg E, et al. **J Neurol** 1986 Aug;233(4):209–11

Subclavian steal despite ipsilateral vertebral occlusion. Pasch AR, et al. **J Vasc Surg** 1985 Nov;2(6):913–6

CONGENITAL

[Congenital subclavian steal syndrome. Apropos of 14 cases. Review of the literature] Noblet D, et al. **Arch Mal Coeur** 1986 May;79(5):649–57 (Eng. Abstr.) (Fre)

[Congenital subclavian steal syndrome: a case of right aortic arch with atretic aberrant left subclavian artery] Yoshii S, et al. **Nippon Geka Gakkai Zasshi** 1986 Apr;87(4):464–9 (Eng. Abstr.) (Jpn)

DIAGNOSIS

Retrograde internal mammary artery flow and resistant angina pectoris: clues to the coronary–subclavian steal syndrome. Niemiera ML, et al. **Cathet Cardiovasc Diagn** 1986;12(2):93–5

Subclavian steal: a harmless haemodynamic phenomenon? Bornstein NM, et al. **Lancet** 1986 Aug 9;2(8502):303–5

[Ultrasonic angiography in the diagnosis of lesions of the brachiocephalic branches of the aorta] Pokrovskiĭ AV, et al. **Kardiologiia** 1985 Oct;25(10):82–6 (Eng. Abstr.) (Rus)

[Functional test of reactive hyperemia in the diagnosis of the vertebro-subclavian steal syndrome using ultrasonic dopplerography] Kuperberg EB, et al. **Zh Nevropatol Psikhiatr** 1986;86(1):28–34 (Eng. Abstr.) (Rus)

ETIOLOGY

Pulmonary and subclavian steal following Blalock–Taussig shunt [letter] Casta A, et al. **Am Heart J** 1985 Dec; 110(6):1313–4

Subclavian aneurysm producing the subclavian steal syndrome. Otto R, et al. **Cardiovasc Intervent Radiol** 1986; 9(2):90–2

PHYSIOPATHOLOGY

[Measurement of ophthalmic arterial pressure in 3 cases of subclavian steal syndrome] Zhou DF. **Chung Hua Yen Ko Tsa Chih** 1985 Sep;21(5):282–4 (Chi)

RADIOGRAPHY

Radiological seminar CCXLIV: Digital subtraction angiography in the diagnosis of subclavian steal. Morano JU, et al. **J Miss State Med Assoc** 1986 Apr;27(4):89–94

SURGERY

Symptomatic coronary–subclavian steal corrected by carotid–subclavian bypass. Tarazi RY, et al. **J Vasc Surg** 1986 Apr;3(4):669–72

THERAPY

[Percutaneous transluminal angioplasty in atheromatous stenosis of the proximal supra-aortic trunks: the brachiocephalic trunk and the subclavian artery] Courthéoux P, et al. **J Mal Vasc** 1986;11(2):113–9 (Eng. Abstr.) (Fre)

[Atraumatic diagnosis and semi-invasive therapy of subclavian steal syndrome using percutaneous transluminal angioplasty. A current concept] Ringelstein EB, et al. **Fortschr Neurol Psychiatr** 1986 Jul;54(7):216–31 (Eng. Abstr.) (Ger)

[Percutaneous catheter recanalization (angioplasty) of a subclavian occlusion with the subclavian steal syndrome] Kachel R, et al. **ROFO** 1986 Jul;145(1):107–9 (Ger)

[Treatment of subclavian steal syndrome by percutaneous transluminal angioplasty: a case report] Kajihara S, et al. **No To Shinkei** 1985 Oct;37(10):979–84 (Eng. Abstr.) (Jpn)

SUBCLAVIAN VEIN

Low-dose streptokinase therapy for Swan–Ganz catheter–induced thrombosis. Kahn SE, et al. **Am Heart J** 1985 Oct;110(4):891–3

Subclavian hemodialysis catheter infections. Dahlberg PJ, et al. **Am J Kidney Dis** 1986 May;7(5):421–7

Comparison of coaxial and side-by-side double lumen subclavian catheters with the single lumen catheter. de los Angeles A, et al. **Am J Kidney Dis** 1986 Mar;7(3):221–4

Late vascular complications of the subclavian dialysis catheter. Fant GF, et al. **Am J Kidney Dis** 1986 Mar; 7(3):225–8

Thrombotic arm edema as a complication of subclavian vein catheterization and arteriovenous fistula formation for hemodialysis. Glaze RC, et al. **Am J Kidney Dis** 1986 May; 7(5):439–41

Late appearance of pneumothorax after subclavian venipuncture. Sivak SL. **Am J Med** 1986 Feb;80(2):323–4

Treatment of silastic catheter–induced central vein septic thrombophlebitis. Topiel MS, et al. **Am J Med Sci** 1986 Jun;291(6):425–8

Thrombosis due to permanent pacemaker and oral contraceptives. Halub MF, et al. **Am J Obstet Gynecol** 1985 Nov 1;153(5):571–2

Supraclavicular central venous catheterization. Helmkamp BF, et al. **Am J Obstet Gynecol** 1985 Dec 1;153(7):751–4

Pathogenesis determines late morbidity of axillosubclavian vein thrombosis. Donayre CE, et al. **Am J Surg** 1986 Aug; 152(2):179–84

Experience with multiple and simultaneous subclavian vein cannulations: safety and versatility. Voegele LD, et al. **Am Surg** 1985 Oct;51(10):599–601

Complication of central venous cannulation [letter] Thomas DG, et al. **Anaesthesia** 1986 Jul;41(7):769

Subclavian vein catheter as a source of air emboli in the sitting position [letter] Kloosterboer TB, et al. **Anesthesiology** 1986 Mar;64(3):411

Subclavian vein catheterization in the emergency department: a comparison of guidewire and nonguidewire techniques. Schug CB, et al. **Ann Emerg Med** 1986 Jul;15(7):769–73

A comparison of the supraclavicular approach and the infraclavicular approach for subclavian vein catheterization. Sterner S, et al. **Ann Emerg Med** 1986 Apr; 15(4):421–4

Association of subclavian–axillary vein thrombosis with brachial neuritis. Zahn CA, et al. **Can Med Assoc J** 1986 Jul 15;135(2):132–3

Subclavian vein thrombosis with single–lumen venous catheters for hemodialysis [letter] Bennet WM, et al. **Clin Nephrol** 1986 Jan;25(1):54

The subclavian vein as an emergency vascular access for hemodialysis and plasma exchange. Fornasieri A, et al. **Contrib Nephrol** 1985;48:91–100

Axillary–subclavian vein thrombosis following combination chemotherapy and radiation therapy in lymphoma. Schreiber DP, et al. **Int J Radiat Oncol Biol Phys** 1986 Mar;12(3):391–5

Complications of subclavian vein catheters in patients with high enterocutaneous fistulas. Harju E, et al. **Intensive Care Med** 1985;11(4):210–2

Internal jugular vein cannulation versus subclavian vein cannulation. A surgeon's view: the subclavian vein. Hoyt DB. **J Clin Monit** 1985 Jan;1(1):61–3

Internal jugular vein cannulation versus subclavian vein cannulation. An anesthesiologist's view: the right internal jugular vein. Sanford TJ Jr. **J Clin Monit** 1985 Jan; 1(1):58–61

Subclavian Broviac catheters in children—technical considerations in 146 consecutive placements. Gauderer MW, et al. **J Pediatr Surg** 1985 Aug;20(4):402–5

A modified technique for insertion and subcutaneous tunnelling of a subclavian catheter for haemodialysis. Asfar SK, et al. **J R Coll Surg Edinb** 1985 Oct;30(5):314–5

Lytic therapy in the treatment of axillary and subclavian vein thrombosis. Druy EM, et al. **J Vasc Surg** 1985 Nov; 2(6):821–7

Major venous thrombosis in patients with indwelling venous access catheters. Stricker PD, et al. **Med J Aust** 1986 May 26;144(11):601–3

Central venous septic thrombophlebitis—the role of medical therapy. Verghese A, et al. **Medicine (Baltimore)** 1985 Nov; 64(6):394–400

Spontaneous migration of a Hickman catheter. Galler L, et al. **NJ Med** 1986 Jul;83(7):461–2

Subclavian puncture for pacemaker lead placement [editorial] Furman S. **PACE** 1986 Jul;9(4):467

Primary thrombosis of the axillary/subclavian vein. Smith–Behn J, et al. **South Med J** 1986 Sep;79(9):1176–8

Improved subclavian cannulation technique. Fares LG 2d, et al. **Surg Gynecol Obstet** 1986 Mar;162(3):277–8

Subclavian vein thrombosis in hemodialysis patients. Cheung AK, et al. **Trans Am Soc Artif Intern Organs** 1985;31:131–5

[Complications and bacterial contamination during use of subclavian vein catheters] Jakobsen CJ, et al. **Ugeskr Laeger** 1985 Jul 8;147(28):2224–7 (Eng. Abstr.) (Dan)

[Animal scabies in man] Larsen FS, et al. **Ugeskr Laeger** 1985 Sep 16;147(38):2993–4 (Eng. Abstr.) (Dan)

[Catheterization of the subclavian vein with a Kimal dialysis catheter] Nielsen LM, et al. **Ugeskr Laeger** 1986 May 19; 148(21):1278–9 (Eng. Abstr.) (Dan)

[Lymph leakage following introduction of a right-sided subclavian dialysis catheter] Wanscher M, et al. **Ugeskr Laeger** 1985 Sep 16;147(38):2992 (Eng. Abstr.) (Dan)

[Late complications of catheterization of the subclavian vein] Torrens JM, et al. **Ann Fr Anesth Reanim** 1985;4(5):427–9 (Eng. Abstr.) (Fre)

[Percutaneous approach to the internal jugular and subclavian veins in pediatric emergencies] Paris A. et al. **Pediatrie** 1985 Sep;40(6):497–510 (Fre)

[Permanent central venous access in chronically-ill children] Bode U, et al. **Klin Padiatr** 1986 Jan–Feb;198(1):21–4 (Eng. Abstr.) (Ger)

[Thrombosis caused by a central venous catheter] Lund M, et al. **Tidsskr Nor Laegeforen** 1985 Oct 30;105(30):2145–6 (Eng. Abstr.) (Nor)

[Atraumatic guide for a subclavian catheter] Bitunov VA. **Anesteziol Reanimatol** 1986 Mar–Apr;(2):56–7 (Rus)

[Modification of a subclavian catheter for the prevention of complications] Galdenkov VM. **Anesteziol Reanimatol** 1985 May–Jun;(3):68 (Rus)

[Infectious and thromboembolic complications during infusion of solutions into the subclavian veins, ways of preventing them] Mozhaev GA, et al. **Anesteziol Reanimatol** 1986 May–Jun;(3):58–9 (Eng. Abstr.) (Rus)

[Prevention of air embolism during the puncture and catheterization of the subclavian vein] Vitenbek IA, et al. **Anesteziol Reanimatol** 1985 May–Jun;(3):65–7 (Eng. Abstr.) (Rus)

[Post-catheterization thrombosis of the subclavian vein in children] Sitko LA, et al. **Vestn Khir** 1986 Jan;136(1):92–5 (Rus)

[Gangrene of the upper extremity as a complication of catheterization of the subclavian vein] Smirnov IuM, et al. **Vestn Khir** 1986 Apr;136(4):120–1 (Rus)

[Malposition and formation of loops on a central venous catheter: a rare complication] de Andrés Ibáñez JA, et al. **Rev Esp Anestesiol Reanim** 1986 May–Jun;33(3):190–2 (Eng. Abstr.) (Spa)

ANALYSIS

[Occurrence of atypical histamine H2 receptors in the wall of the frog subclavian vein] Gol'dfarb VL, et al. **Biull Eksp Biol Med** 1985 Nov;100(11):593–5 (Eng. Abstr.) (Rus)

INJURIES

Cardiothoracic complications of centrally inserted catheters. Huyghens L, et al. **Acute Care** 1985;11(1):53–6

Subclavian–axillary vascular trauma. McCready RA, et al. **J Vasc Surg** 1986 Jan;3(1):24–31

[Gas embolism with neurological manifestations, a complication of subclavian vein catheterization] Acalovschi I, et al. **Rev Chir [Chir]** 1985 Nov–Dec;34(6):469–72 (Eng. Abstr.) (Rum)

PATHOLOGY

Obstruction of the superior vena cava or subclavian veins: sonographic diagnosis. Gooding GA, et al. **Radiology** 1986 Jun;159(3):663–5

[Venous diagnosis using duplex sonography] Stellamor K, et al. **Rontgenblatter** 1985 Nov;38(11):353–5 (Eng. Abstr.) (Ger)

PHYSIOLOGY

Sonographic evaluation of the normal response of subclavian veins to respiratory maneuvers. Hightower DR, et al. **Invest Radiol** 1985 Aug;20(5):517–20

RADIOGRAPHY

Digital subtraction venography in central venous obstruction. Benenati JF, et al. **AJR** 1986 Oct;147(4):685–8

Streptokinase in the treatment of subclavian vein thrombosis. Steed DL, et al. **J Vasc Surg** 1986 Jul;4(1):28–32

Intermittent subclavian venous obstruction: utility of venous pressure gradients. Schubart PJ, et al. **Surgery** 1986 Mar; 99(3):365–8

[Importance of roentgen examination after subclavian vein puncture and intubation] Erdélyi M Jr, et al. **Orv Hetil** 1986 Mar 30;127(13):767–72 (Eng. Abstr.) (Hun)

SURGERY

Subclavian venous catheterization in children. Hüttel MS, et al. **Acta Anaesthesiol Scand** 1985 Oct;29(7):733–5

Effort-related axillosubclavian vein thrombosis. A new theory of pathogenesis and a plea for direct surgical intervention. Aziz S, et al. **Am J Surg** 1986 Jul;152(1):57–61

Venous cutdown for pacemaker implantation. Furman S. **Ann Thorac Surg** 1986 Apr;41(4):438–9

Arteriovenous fistula following central venous catheterization. Sato O, et al. **Arch Surg** 1986 Jun; 121(6):729–31

Subclavian vein catheterization for apheresis access. Spindler JS. **J Clin Apheresis** 1983;1(4):202–5

Simple extra-anatomic jugular vein bypass for subclavian vein thrombosis. Hansen B, et al. **J Vasc Surg** 1985 Nov; 2(6):921–3

Surgical management of subclavian and axillary vein thrombosis in patients with a functioning arteriovenous fistula. Currier CB Jr, et al. **Surgery** 1986 Jul;100(1):25–8

SUBCOMMISSURAL ORGAN see under **NEUROSECRETORY SYSTEMS**

SUBCONSCIOUS see **UNCONSCIOUS (PSYCHOLOGY)**

SUBCUTANEOUS EMPHYSEMA see under **EMPHYSEMA**

SUBDURAL EFFUSION see under MENINGITIS

SUBDURAL EMPYEMA

Brain abscess after esophageal dilation for caustic stricture: report of three cases. Schlitt M, et al. **Neurosurgery** 1985 Dec;17(6):947–51

DIAGNOSIS

Subdural empyema: an important diagnosis not to miss. Farkas AG, et al. **Br Med J [Clin Res]** 1986 Jul 12; 293(6539):118–9

Subdural empyema and group C streptococci [letter] Suzuki T. **South Med J** 1986 May;79(5):651

DRUG THERAPY

Management of subdural intracranial empyemas should not always require surgery. Leys D, et al. **J Neurol Neurosurg Psychiatry** 1986 Jun;49(6):635–9

ETIOLOGY

Mixed bacterial subdural empyema complicating subdural peritoneal shunt. Dan M, et al. **Acta Neurochir (Wien)** 1986; 81(1–2):77–8

Subdural empyema in infant meningitis: diagnosis, therapy, and prognosis. Curless RG. **Childs Nerv Syst** 1985; 1(4):211–4

Subdural empyema in a child with posterior urethral valves. Mahapatra AK. **Indian J Pediatr** 1985 Jul–Aug; 52(417):429–31

[Isolated subdural parafalx empyema as a complication of paranasal sinusitis] Steffen H, et al. **Z Arztl Fortbild (Jena)** 1985;79(20):881–3 (Ger)

MICROBIOLOGY

Actinomycotic infections of the central nervous system. Two case reports. Tvede M, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Oct; 93(5):327–30

Subdural empyema caused by Campylobacter fetus ssp. fetus [letter] Mendelson MH, et al. **J Infect Dis** 1986 Jun; 153(6):1183–4

Intracranial sepsis. A microbiological survey. Snyman H, et al. **S Afr J Surg** 1986 Jun;24(2):78–80

RADIOGRAPHY

Subdural empyema. Clinical and computed tomographic correlations. Weisberg L. **Arch Neurol** 1986 May; 43(5):497–500

Subdural empyema [letter] Garlick R. **Br Med J [Clin Res]** 1986 Aug 2;293(6542):336–7

Posterior fossa subdural empyema. Morgan DW, et al. **Brain** 1985 Dec;108 (Pt 4):983–92

Radiology of intracranial empyemas, with special reference to computed tomography. Moseley IF, et al. **Neuroradiology** 1984;26(5):333–45

Subdural empyema—continuing diagnostic problems in the CT scan era. Hodges J, et al. **Q J Med** 1986 Apr; 59(228):387–93

SUBDURAL SPACE see under MENINGES

SUBFORNICAL ORGAN see under NEUROSECRETORY SYSTEMS

SUBGINGIVAL CURETTAGE

see related
PERIODONTITIS

SUBJECT HEADINGS

The relationship between term specificity in MeSH and online postings in MEDLINE. Weinberg BH, et al. **Bull Med Libr Assoc** 1985 Oct;73(4):365–72

SUBLIMATION

Sublimation and feminine identity. Lowery EF. **Psychoanal Rev** 1985 Fall;72(3):441–55

Sublimation and its limitations in Charles Dickens. Frijling-Schreuder EC. **Psychoanal Study Child** 1985; 40:331–44

SUBLIMINAL PERCEPTION see SUBLIMINAL STIMULATION

SUBLIMINAL STIMULATION

Subliminal messages. Between the devil and the media. Vokey JR, et al. **Am Psychol** 1985 Nov;40(11):1231–9

The influence of subliminal emotional words on functional hemispheric asymmetry. Kostandov EA, et al. **Int J Psychophysiol** 1986 Jul;4(2):143–7

Subliminal oedipal stimuli and competitive performance: an investigation of between-groups effects and mediating subject variables. Fisher CB, et al. **J Abnorm Psychol** 1986 Aug;95(3):292–4

Failure to find an effect of subliminal psychodynamic activation upon cognitive measures of pathology in schizophrenia. Porterfield AL, et al. **J Abnorm Psychol** 1985 Nov;94(4):630–9

Comments on three recent subliminal psychodynamic activation investigations [letter] Silverman LH. **J Abnorm Psychol** 1985 Nov;94(4):640–8

Further data on the effects of subliminal symbiotic stimulation on schizophrenics. Kaplan R, et al. **J Nerv Ment Dis** 1985 Nov;173(11):658–66

The effects of an auditory subliminal message upon the production of images and dreams. Kasc VA. **J Nerv Ment Dis** 1986 Jul;174(7):397–407

Changing the perception of behavioral properties by subliminal presentation. Overbeeke CJ. **Percept Mot Skills** 1986 Feb;62(1):255–8

[Current significance of the work of G. V. Gershuni on subsensory reactions] Kostandov EA. **Zh Vyssh Nerv Deiat** 1985 Nov–Dec;35(6):1014–21 (Rus)

SUBLINGUAL GLAND

ANALYSIS

Two-dimensional electrophoresis in the analysis of a mixture of human sublingual and submandibular salivary proteins. Mogi M, et al. **Arch Oral Biol** 1986;31(2):119–25

ANATOMY & HISTOLOGY

Assessment of age-related changes in the submandibular and sublingual salivary glands of the rat using stereological analysis. Scott J, et al. **Arch Oral Biol** 1986;31(1):69–71

INNERVATION

Anatomical observations on the smaller sublingual nerves. Zorzetto NL, et al. **Anat Anz** 1985;159(1–5):385–90

METABOLISM

Radioautographic study of glycoprotein synthesis and migration in the major sublingual gland of the Mongolian gerbil (Meriones unguiculatus). Klenk E, et al. **Acta Anat (Basel)** 1985;124(1–2):50–3

PATHOLOGY

Spontaneous hyperplastic and metaplastic duct epithelium in the sublingual salivary glands of Wistar rats. Van Esch E, et al. **Lab Anim** 1986 Apr;20(2):127–31

Cervical mucocele (plunging ranula): an unusual case of mucous extravasation cyst. Zafarulla MY. **Oral Surg Oral Med Oral Pathol** 1986 Jul;62(1):63–6

SECRETION

Study on membrane fragments released from the sublingual glands of the mouse during secretion in vitro and in vivo. Bos-Vreugdenhil AP, et al. **J Biol Buccale** 1985 Dec; 13(4):317–32

ULTRASTRUCTURE

Gap junctions in rat sublingual gland. Nagato T, et al. **Anat Rec** 1986 Jan;214(1):71–5

Morphological and biochemical changes in mucous cells of the murine sublingual salivary gland during the carbamylcholine-induced secretory cycle. Poldermans JE, et al. **Arch Oral Biol** 1986;31(2):101–8

Sublingual gland of the hare (Lepus europaeus): ultrastructural aspects and carbohydrate histochemistry. Bondi AM, et al. **Cell Mol Biol** 1985;31(5):397–405

High resolution analysis of three-dimensional structure of the Golgi apparatus in rapid-frozen, substitution fixed gerbil sublingual gland acinar cells. Ichikawa M, et al. **J Electron Microsc (Tokyo)** 1982;31(4):397–401

Unusual myoepithelium in the retrolingual salivary gland of the European hedgehog. Tandler B. **J Submicrosc Cytol** 1986 Apr;18(2):261–70

Ultrastructure of the retrolingual salivary gland of the European hedgehog. Tandler B. **J Submicrosc Cytol** 1986 Apr;18(2):249–60

SUBLINGUAL GLAND NEOPLASMS see under SALIVARY GLAND NEOPLASMS

SUBLINGUAL REGION see MOUTH FLOOR

SUBLUXATION, LENS see LENS DISLOCATION AND SUBLUXATION

SUBMANDIBULAR GLAND

Suppression and enhancement of in vitro lymphocyte reactivity by factors in rat submandibular gland extracts. Kemp A, et al. **Immunology** 1985 Oct;56(2):261–7

ANALYSIS

Neonatal hyperthyroidism causes impairment in submandibular gland-nerve growth factor (SMG-NGF) ontogeny in mice. Lakshmanan J. **Acta Endocrinol (Copenh)** 1986 May;112(1):138–44

Studies on shrew (Suncus murinus) epidermal growth factor. Yip TT, et al. **Acta Endocrinol (Copenh)** 1986 Mar; 111(3):424–32

Isolation and characterization of a mucin-glycoprotein from rat submandibular glands. Tabak LA, et al. **Arch Biochem Biophys** 1985 Nov 1;242(2):383–92

Two-dimensional electrophoresis in the analysis of a mixture of human sublingual and submandibular salivary proteins. Mogi M, et al. **Arch Oral Biol** 1986;31(2):119–25

Comparison of 7S nerve growth factor and nerve growth factor I from mouse submandibular glands. Guerina NG, et al. **Biochemistry** 1986 Feb 25;25(4):754–60

Insulin-like material in parotid and submaxillary salivary glands of normal and diabetic adult male mice. Patel DG, et al. **Diabetes** 1986 Jul;35(7):753–8

Structural parameters and natural occurrence of 2-deoxy-2,3-didehydro-N-glycoloylneuraminic acid. Nöhle U, et al. **Eur J Biochem** 1985 Oct 15;152(2):459–63

Differences in the content of glucagon-like immunoreactivity in rat submaxillary glands. Paulo E, et al. **Exp Clin Endocrinol** 1986 Jun;87(1):108–11

Immunocytochemical localization of secretory immunoglobulins in human parotid and submandibular glands. Nakamura T, et al. **J Electron Microsc (Tokyo)** 1982;31(2):151–61

Transformation of androgen receptors from mouse submandibular glands by gel chromatography. Sato N, et al. **J Endocrinol** 1986 Jan;108(1):123–7

Rapid isolation of the 7S-nerve growth factor complex and its subunits from murine submaxillary glands and saliva. Petrides PE, et al. **J Neurochem** 1986 Mar;46(3):721–5

The alpha and gamma subunits of 7S nerve growth factor are present in excess concentrations in the mouse submandibular gland. Pantazis NJ, et al. **Mol Cell Biochem** 1985 Nov;69(1):35–48

Shrew submaxillary gland epidermal growth factor: homologous radioreceptor assay and mitogenic activity. Yip TT, et al. **Mol Cell Endocrinol** 1986 Sep;47(1–2):131–5

A novel platelet-activating protein derived from rat submandibular glands. Cox CP, et al. **Thromb Res** 1985 Aug 1;39(3):343–53

ANATOMY & HISTOLOGY

Assessment of age-related changes in the submandibular and sublingual salivary glands of the rat using stereological analysis. Scott J, et al. **Arch Oral Biol** 1986;31(1):69–71

Surgical and microscopic anatomy of parotid and submandibular salivary glands of rhesus monkeys (Macaca mulatta). Stephens LC, et al. **J Med Primatol** 1986; 15(2):105–19

BLOOD SUPPLY

Effect of indomethacin on the bradykinin-induced vasodilation in the submandibular gland. Fazekas A, et al. **Res Exp Med (Berl)** 1985;185(4):319–23

CYTOLOGY

The streaming submandibular gland. Zajicek G, et al. **Anat Rec** 1985 Oct;213(2):150–8

Proliferative response of mouse submandibular gland to androgen but not to thyroid hormone. Okamoto S, et al. **Cell Tissue Kinet** 1985 Nov;18(6):583–8

Short-term primary culture of acinar-intercalated duct complexes from rat submandibular glands. Quissell DO, et al. **In Vitro Cell Dev Biol** 1986 Aug;22(8):469–80

Age-related increase of focal lymphocytic infiltration in the human submandibular glands. Kurashima C, et al. **J Oral Pathol** 1986 Mar;15(3):172–8

A patch-clamp study of potassium currents in resting and acetylcholine-stimulated mouse submandibular acinar cells. Gallacher DV, et al. **J Physiol (Lond)** 1986 Apr;373:379–95

DRUG EFFECTS

Studies on the actions of glutaraldehyde, formaldehyde, and mixtures of glutaraldehyde and formaldehyde on tissue proteins. Kirkeby S, et al. **Acta Histochem (Jena)** 1986; 79(1):115–21

Effects of calcitonin on elemental distribution and ultrastructure of rat submandibular gland acinar cells. Sagulin GB, et al. **Acta Physiol Scand** 1985 Dec; 125(4):649–54

Effects of 4,4'-diisothiocyano-2,2'-stilbene disulphonic acid and amiloride on salivary secretion by isolated, perfused rat submandibular glands. Martinez JR, et al. **Arch Oral Biol** 1985;30(11–12):797–803

Effects of monensin on fluid and electrolyte secretion by the isolated, perfused rat submandibular gland. Martinez JR, et al. **Arch Oral Biol** 1986;31(5):313–7

Temporal dissociation in the ability of ouabain and furosemide to inhibit K+-transport in rat submandibular salivary gland slices at various postnatal ages. Martinez JR, et al. **Arch Oral Biol** 1986;31(5):319–23

Effects of testosterone and its metabolites in relation to androgen-binding activity in murine submandibular salivary glands. Minetti CA, et al. **Arch Oral Biol** 1985; 30(8):615–9

Regulation of functional mRNA levels for trypsin-like esteroproteases by 5 alpha-dihydrotestosterone and triiodothyronine in mouse submandibular salivary gland. Takuma T, et al. **Arch Oral Biol** 1985;30(10):727–30

Effects of ethanol and secretagogues on the composition of phosphatidylinositol in pancreas and submaxillary gland. Cronholm T, et al. **Biochem Pharmacol** 1986 May 1; 35(9):1608–11

Blockade of postsynaptic alpha 2-adrenoceptors enhances responses to mixed alpha 1/alpha 2-agonists in rat submaxillary gland. Kaniucki MD, et al. **Eur J Pharmacol** 1986 Feb 18;121(2):245-9

Differential actions of testosterone and its metabolites on mice submandibular gland. Minetti CA, et al. **J Biol Buccale** 1985 Sep;13(3):205-13

Involvement of developing sympathetic nervous system in thyroxine-mediated submandibular gland nerve growth factor and epidermal growth factor responses. Lakshmanan J, et al. **Pediatr Res** 1986 Mar;20(3):232-6

Thyroxine increases submandibular gland nerve growth factor and epidermal growth factor concentrations precociously in neonatal mice: evidence for thyroid hormone-mediated growth factor synthesis. Walker P. **Pediatr Res** 1986 Apr;20(4):281-4

Effects of furosemide and captopril on submaxillary gland blood flow and arterial pressure. Catanzaro OL, et al. **Pharmacol Res Commun** 1985 Aug;17(8):725-32

Effects of VIP, PHM and substance P on blood vessels and secretory elements of the human submandibular gland. Larsson O, et al. **Regul Pept** 1986 Feb;13(3-4):319-26

ENZYMOLOGY

Concentrations of immunoreactive tonin in submandibular glands and saliva of the rat. Hirata Y, et al. **Acta Endocrinol (Copenh)** 1986 Jan;111(1):140-4

The effect of reserpine treatment on choline acetyltransferase activity in rat submaxillary glands. Ekström J. **Acta Physiol Scand** 1986 Jan;126(1):103-6

Enzymatic activity of rat submandibular gland kallikrein released into blood. Berg T, et al. **Am J Physiol** 1985 Dec; 249(6 Pt 2):H1134-42

Role of calcium and calmodulin in release of kallikrein and tonin from rat submandibular gland. Maitra SR, et al. **Am J Physiol** 1986 Mar;250(3 Pt 1):C480-5

Characterization of the kinetic and regulatory properties of high-affinity Ca2+-ATPase activity in acinar preparations of rat submandibular salivary glands. Hurley TW, et al. **Arch Oral Biol** 1985;30(8):587-94

Assay of trypsin-like protease in rat submandibular saliva and gland. Ikeno K, et al. **Arch Oral Biol** 1986;31(6):357-61

Specific identification of tissue kallikrein in exocrine tissues and in cell-free translation products with monoclonal antibodies. Woodley CM, et al. **Biochem J** 1985 Nov 1; 231(3):721-8

Studies on the effect of reserpine on the peroxidase activity of submaxillary gland. Chakraborty R, et al. **Biochem Pharmacol** 1986 Apr 15;35(8):1235-9

Kallikrein-related mRNAs of the rat submaxillary gland: nucleotide sequences of four distinct types including tonin. Ashley PL, et al. **Biochemistry** 1985 Aug 13;24(17):4512-20

Purification and characterization of a serine protease (esterase B) from rat submandibular glands. Khullar M, et al. **Biochemistry** 1986 Apr 22;25(8):1851-7

The presence of a heat-stable cytosolic factor in rat submandibular gland which activates Na+,K+-ATPase. Pon DJ, et al. **Can J Biochem Cell Biol** 1985 Jul;63(7):774-7

Prostaglandin-induced storage and secretion of esteroproteases in the mouse submaxillary gland. Verna R, et al. **Cytobios** 1986;46(184):37-41

Sexual difference in kininase activity in the mouse submandibular gland. Kashimata M, et al. **Enzyme** 1985; 34(1):22-6

Use of different derivatives of D-Val-Leu-Arg for studying kallikrein activities in cat submandibular glands and saliva. Garrett JR, et al. **Histochem J** 1985 Jul;17(7):805-18

Effect of phospholipase A2 on Ca2+-stimulated adenosine triphosphatase activity in microsomal fraction of rat submandibular gland. Takamura K, et al. **Int J Biochem** 1985;17(7):831-4

Purification and characterization of a trypsin-like protease in the submandibular gland of rats. Ikeno K, et al. **J Biochem (Tokyo)** 1986 Apr;99(4):1219-26

Regulation of beta-D-galactoside alpha 2----3 sialyltransferase activity. The effects of detergents and lysophosphatidates. Westcott KR, et al. **J Biol Chem** 1985 Oct 25;260(24):13109-15

Reconstitution of a porcine submaxillary gland beta-D-galactoside alpha 2----3 sialyltransferase into liposomes. Westcott KR, et al. **J Biol Chem** 1985 Oct 25; 260(24):13116-21

Glandular kallikrein content in tissues of diabetic and hypertensive rats measured by enzyme immunoassay. Sakamoto W, et al. **J Clin Chem Clin Biochem** 1985 Sep; 23(9):521-3

Aryl hydrocarbon hydroxylase activity in rat submandibular glands. Murakami K, et al. **J Dent Res** 1986 Jan;65(1):39-43

Mouse submaxillary renin: a useful model for the study of renal renin. Corvol P, et al. **J Hypertension [Suppl]** 1983 Oct;1(1):3-7

Salivary peroxidases. Banerjee RK, et al. **Mol Cell Biochem** 1986 Apr;70(1):21-9 (98 ref.)

The sequence of a cDNA clone coding for a novel kallikrein from mouse submaxillary gland. Fahnestock M, et al. **Nucleic Acids Res** 1986 Jun 25;14(12):4823-35

gamma-Glutamyltranspeptidase activity of rat submandibular gland after pilocarpine stimulation. Isacsson G, et al. **Swed Dent J** 1985;9(4):171-4

GROWTH & DEVELOPMENT

Biochemical characterization of sialoglycoconjugates isolated from the submandibular glands of growing and adult cats. Meaghi G, et al. **Cell Mol Biol** 1986;32(3):267-72

Growth of rat salivary glands after terbutaline or dobutamine. Schneyer CA. **J Oral Pathol** 1986 Feb;15(2):66-70

Development of the hamster submandibular gland. II. The ductal system. Chaudhry AP, et al. **J Submicrosc Cytol** 1986 Jul;18(3):529-36

IMMUNOLOGY

Development of allergic sialadenitis in mice immunized with mumps virus-infected submandibular salivary gland. Hayashi Y, et al. **Am J Pathol** 1986 May;123(2):271-9

Nicotinamide prevents lymphocytic infiltration in submandibular glands but not the appearance of anti-salivary duct antibodies in non-obese diabetic (NOD) mice. Yamada K, et al. **Res Commun Chem Pathol Pharmacol** 1985 Oct;50(1):83-91

INNERVATION

The location of the preganglionic neurons that innervate the submandibular gland of the cat. A horseradish peroxidase study. Tramonte R, et al. **Brain Res** 1986 Jun 11; 375(2):381-4

METABOLISM

Endocrine control of extrathyroidal peroxidases and iodide metabolism. De SK, et al. **Acta Endocrinol (Copenh)** 1985 Nov;110(3):383-7

Ontogenesis of androgen receptors in the mouse submandibular gland: correlation with the developmental profiles of circulating thyroid and testicular hormones. Minetti CA, et al. **Acta Endocrinol (Copenh)** 1986 Jun; 112(2):290-5

Different bindings to lectin in human submandibular gland after enzymatic digestion. Takai Y, et al. **Acta Histochem (Jena)** 1986;78(2):111-21

Stimulation by thyroid hormone of renin mRNA in mouse submandibular gland. Karen P, et al. **Am J Physiol** 1986 Sep;251(3 Pt 1):E290-3

Cellular and subcellular colocalization of nerve growth factor and epidermal growth factor in mouse submandibular glands. Watson AY, et al. **Anat Rec** 1985 Nov;213(3):365-76

Fatty acid acylation of salivary mucin in rat submandibular glands. Slomiany BL, et al. **Arch Biochem Biophys** 1985 Nov 1;242(2):402-10

Stimulation of glucose oxidation in rat submandibular gland cells in vitro by analogues of cyclic AMP. Kuyatt BL, et al. **Arch Oral Biol** 1985;30(9):701-3

Calcium levels in rat submandibular gland and saliva after sympathetic nerve stimulation in the presence of alpha, beta 1 and beta 2-adrenergic antagonists. Schneyer CA. **Arch Oral Biol** 1986;31(6):383-6

Thyroxine increases neonatal mouse submandibular gland mRNA-directed synthesis of epidermal growth factor. Walker P. **Biochem Cell Biol** 1986 Apr;64(4):290-6

Effect of castration and administration of testosterone on cytosol and nuclear androgen receptor in mouse submandibular gland. Kyakumoto S, et al. **Biochem Int** 1985 Nov;11(5):701-7

Stabilization of androgen receptor by nonandrogenic steroids. Nemoto T, et al. **Biochem Int** 1986 May;12(5):701-5

Mucus glycoprotein of human saliva: differences in the associated and covalently bound lipids with caries. Slomiany BL, et al. **Biochim Biophys Acta** 1986 Jun 3; 882(1):18-28

Neonatal hyperthyroidism alters submandibular gland epidermal growth factor response to thyroxine in the adult mouse. Walker P. **Can J Physiol Pharmacol** 1985 Sep; 63(9):1151-4

Characterization and localization of two forms of active Ca2+ transport in vesicles derived from rat submandibular glands. Hurley TW, et al. **Cell Calcium** 1986 Feb;7(1):49-59

Effects of phenylephrin in duct-ligated submandibular glands with or without testosterone administration. Histochemical observations of EGF, keratin and sugar residues in granular convoluted tubules. Takai Y, et al. **Cell Mol Biol** 1986; 32(1):9-25

Role of the main mandibular excretory duct in salivary excretion of urea in dogs. Watanabe J, et al. **Chem Pharm Bull (Tokyo)** 1985 Jun;33(6):2483-9

Benzodiazepine binding sites in rat submaxillary gland: absence of markers of GABA system. Pérez C, et al. **Comp Biochem Physiol [C]** 1985;82(2):451-6

Epidermal growth factor gene expression is regulated differently in mouse kidney and submandibular gland. Gubits RM, et al. **Endocrinology** 1986 Sep;119(3):1382-7

Characterization of muscarinic receptors in human submandibular salivary glands. Martos F, et al. **Eur J Pharmacol** 1985 Oct 22;116(3):319-21

Presence of serum proteins in submaxillary duct perfusate. el-Mofty S. **Experientia** 1985 Dec 15;41(12):1548-9

Glycoconjugates in the secretory epithelium of the chicken mandibular gland. Suprasert A, et al. **Histochem J** 1986 Feb-Mar;18(2-3):115-21

Different responses of the submandibular salivary glands and liver of rats subjected to excess vitamin A: study on glycogen metabolism. Ferreira FD, et al. **Int J Vitam Nutr Res** 1985;55(3):239-44

Regulation of the level of epidermal growth factor by oestrogen in the submandibular gland of female mice. Kuraishi H, et al. **J Endocrinol** 1986 May;109(2):221-5

Sex difference in the cytosolic and nuclear distribution of androgen receptor in mouse submandibular gland. Kyakumoto S, et al. **J Endocrinol** 1986 Feb;108(2):267-73

Binding of glucocorticoid to the androgen receptor of mouse submandibular glands. Maruyama S, et al. **J Endocrinol** 1985 Sep;106(3):329-35

In situ localization of mRNA for epidermal growth factor in the submandibular gland of the mouse. Gresik EW, et al. **J Histochem Cytochem** 1985 Dec;33(12):1235-40

Lectin histochemistry of submandibular glands following duct-ligation in mice and rats. Takai Y, et al. **J Oral Pathol** 1985 Oct;14(9):740-9

Immunohistochemical demonstration of keratin proteins in duct-ligated salivary glands of mice and rats. Takai Y, et al. **J Oral Pathol** 1986 Jan;15(1):16-20

Influence of neonatal androgenization on the expression of alpha 2u-globulin in rat liver and submaxillary gland. Mertens B, et al. **J Steroid Biochem** 1985 Nov; 23(5A):557-65

Conversion from 4S androgen receptor from rat submandibular gland to higher molecular form and the effect of sodium molybdate. Ohara-Nemoto Y, et al. **J Steroid Biochem** 1985 Nov;23(5A):643-9

Induction of the synthesis of a specific protein in rat submandibular gland by isoproterenol. Barka T, et al. **Lab Invest** 1986 Feb;54(2):165-71

Binding profile of a novel cardioselective muscarine receptor antagonist, AF-DX 116, to membranes of peripheral tissues and brain in the rat. Hammer R, et al. **Life Sci** 1986 May 5;38(18):1653-62

Effect of advanced age on the induction by androgen or thyroid hormone of epidermal growth factor and epidermal growth factor mRNA in the submandibular glands of C57BL/6 male mice. Gresik EW, et al. **Mech Ageing Dev** 1986 Apr;34(2):175-89

The rat submaxillary gland contains predominantly P-type tachykinin binding sites. Buck SH, et al. **Peptides** 1985 Nov-Dec;6(6):1079-84

Effects of adrenergic neurotransmitter on K transport in superfused segments of rat submaxillary gland. Katoh K, et al. **Pflugers Arch** 1986 Jan;406(1):1-5

Evidence from O2 uptake measurements for Na+ -K+ -2 Cl- co-transport in the rabbit submandibular gland. Smaje LH, et al. **Pflugers Arch** 1986 May;406(5):492-6

[Studies on the relationship between the oxygen uptake and the release of amylase and sialic acid] Nakano K, et al. **Nippon Seirigaku Zasshi** 1985;47(11):718-26 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

The effect of chronic ethanol consumption on salivary gland morphology and function in the rat. Maier H, et al. **Alcoholism (NY)** 1986 Aug;10(4):425-7

A morphometric study of submandibular salivary gland changes in streptozotocin-induced diabetic rats. High AS, et al. **Arch Oral Biol** 1985;30(9):667-71

Ultrastructural and immunocytochemical aspects of lymphocytic submandibulitis in the non-obese diabetic (NOD) mouse. Miyagawa J, et al. **Virchows Arch [B]** 1986; 51(3):215-25

[Bilateral sclerosis of the submaxillary glands secondary to orthodontic treatment] Ballon G, et al. **Rev Stomatol Chir Maxillofac** 1985;86(5):334-5 (Eng. Abstr.) **(Fre)**

[Accessory salivary tissue and deceptive ectopia] Malka G, et al. **Rev Stomatol Chir Maxillofac** 1985;86(4):245-7 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Tolerance to heat of rats treated by beta-blocker. Role of submaxillary salivary glands. Davidović V, et al. **Arch Int Physiol Biochim** 1985 Nov;93(4):291-7

Uterine changes on removal of submaxillary glands in rats (histological changes/uterine peroxidase/blood estradiol level). Bhattacharyya J, et al. **Biochem Biophys Res Commun** 1985 Dec 17;133(2):462-7

Lethal effect of male rat submandibular gland homogenate for rat neonates. Dean DH, et al. **J Oral Pathol** 1985 Sep; 14(8):666-9

Two types of cation channels in the basolateral cell membrane of human salivary gland acinar cells. Maruyama Y, et al. **Jpn J Physiol** 1986;36(1):219-23

31P-NMR study of dog submandibular gland in vivo and in vitro using the topical magnetic resonance. Nakahari T, et al. **Jpn J Physiol** 1985;35(5):729-40

Nerve growth factor in mouse milk during early lactation: lack of dependency on submandibular salivary glands. Grueters A, et al. **Pediatr Res** 1985 Sep;19(9):934-7

[Analysis of efferent discharges of the linguo-salivatory reflex in cats] Jian LH, et al. **Sheng Li Hsueh Pao** 1985 Apr;37(2):147-54 (Eng. Abstr.) **(Chi)**

[Submaxillary glands in an endocrine context] Arancibia S, et al. **J Biol Buccale** 1985 Sep;13(3):185-203 (150 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Antihypertensive effect of sialoadenectomy in one-kidney, one clip hypertension in the rat. Morris BJ, et al.

J Hypertens 1985 Dec;3(6):601-5

RADIATION EFFECTS

The effects of fractionated megavoltage X-irradiation on rat submandibular gland: an assessment by electron microscopy. Savage NW, et al. Aust Dent J 1985 Jun; 30(3):188-93

X-irradiation induced degranulation of cells of convoluted granular tubules of murine submandibular salivary glands. Reade PC, et al. J Biol Buccale 1985 Dec;13(4):307-15

Effect of x-ray irradiation on lipid peroxide levels in the rat submandibular gland. Nishi M, et al. J Dent Res 1986 Jul;65(7):1028-9

SECRETION

Cl- requirement for saliva secretion in the isolated, perfused rat submandibular gland. Martinez JR, et al. Am J Physiol 1985 Oct;249(4 Pt 1):G464-9

Choline evokes fluid secretion by perfused rat mandibular gland without desensitization. Murakami M, et al. Am J Physiol 1986 Jul;251(1 Pt 1):G84-9

Subcellular distribution of calmodulin and its binding proteins within the rat submandibular gland. Singh J, et al. Am J Physiol 1986 Sep;251(3 Pt 1):C403-10

A new appliance for the collection of human submandibular saliva. Coudert JL, et al. Arch Oral Biol 1986;31(6):411-3

Structural and functional studies of the effects of parasympathetic nerve stimulation on rabbit submandibular salivary glands. Kyriacou K, et al. Arch Oral Biol 1986; 31(4):235-44

Association of increased polyamine levels with isoproterenol-stimulated mucin secretion in the rat submandibular gland. Blume GB, et al. Biochem Biophys Res Commun 1985 Oct 15;132(1):118-25

Adrenergic secretory responses of submandibular tissues from control subjects and cystic fibrosis patients. McPherson MA, et al. Clin Chim Acta 1985 Jun 14;148(3):229-37

Influence of thyroid function upon "Substance P" induced secretion of saliva by submaxillary glands. Tumilasci OR, et al. Horm Metab Res 1986 Apr;18(4):234-7

Thyroid hormone modulation of VIP's induced salivary secretion in the submaxillary glands of rats. Tumilasci OR, et al. J Endocrinol Invest 1986 Feb;9(1):51-5

Decrease of extracellular fluid in dog submandibular glands during secretion under arterial clamping conditions. Nakahari T, et al. Jpn J Physiol 1985;35(6):1085-90

Effects of a phorbol ester and diacylglycerols on secretion of mucin and arginine esterase by rat submandibular gland cells. Fleming N, et al. Pflugers Arch 1986 Jan;406(1):6-11

SURGERY

A team approach to drool control in cerebral palsy. Brown AS, et al. Ann Plast Surg 1985 Nov;15(5):423-30

Morbidity study of submandibular gland excision. Milton CM, et al. Ann R Coll Surg Engl 1986 May;68(3):148-50

Treatment of the drooling child by submandibular duct transposition. Bailey CM, et al. J Laryngol Otol 1985 Nov; 99(11):1111-7

[Submaxillectomies. Evaluation of 39 cases] Diop EM, et al. Dakar Med 1984;29(1):107-16 (Eng. Abstr.) (Fre)

ULTRASTRUCTURE

Ultrastructure of the submandibular gland in the rabbit. Toyoshima K, et al. Am J Anat 1986 Aug;176(4):469-81

Ultrastructure of the secretory response of male mouse submandibular gland granular tubules. Hazen-Martin DJ, et al. Anat Rec 1986 Mar;214(3):253-65

Acinar structure and membrane regionalization as a prerequisite for exocrine secretion in the rat submandibular gland. Segawa A, et al. J Cell Sci 1985 Oct;78:67-85

Development of the hamster submandibular gland. I. The acinar-intercalated duct complex. Chaudhry AP, et al. J Submicrosc Cytol 1985 Oct;17(4):555-67

X-ray microanalysis of exocrine glands in animal models for cystic fibrosis. Müller RM, et al. Scan Electron Microsc 1985;(Pt 4):1583-601

SUBMANDIBULAR GLAND DISEASES see under SALIVARY GLAND DISEASES

SUBMANDIBULAR GLAND NEOPLASMS see under SALIVARY GLAND NEOPLASMS

SUBMARINE MEDICINE

see related
SEALED CABIN ECOLOGY

Cardiorespiratory fitness and cognitive performance before and after confinement in a nuclear submarine. Bennett BL, et al. Aviat Space Environ Med 1985 Nov;56(11):1085-91

Toxicological problems of hyperbaric habitats. Doboszyński T, et al. Bull Inst Marit Trop Med Gdynia 1984; 35(1-2):15-20

Vigilance changes measured by EEG spectrum analysis under hyperbaric conditions. Dolmierki R, et al. Bull Inst Marit Trop Med Gdynia 1984;35(1-2):5-9

South Atlantic submarine patrol 1984/85. Taplin TV. J R Nav Med Serv 1986 Summer;72(2):111-3

HISTORY

[Development of measures for increasing the work capacity of submariners and divers in World War II] Sapov IA, et al. Voen Med Zh 1986 Jul;(7):72-4 (Rus)

SUBMAXILLARY GLAND see SUBMANDIBULAR GLAND

SUBMERSION see IMMERSION

SUBMITOCHONDRIAL PARTICLES

Aggregation of submitochondrial particles by heparin and its application to the study of carnitine transport. Ramsay RR, et al. Biochem J 1986 Apr 1;235(1):297-9

ANALYSIS

An ubiquinone-binding protein in mitochondrial NADH-ubiquinone reductase (Complex I). Suzuki H, et al. Biochem Biophys Res Commun 1986 Aug 14; 138(3):1237-42

ENZYMOLOGY

Topography of oligomycin sensitivity conferring protein in the mitochondrial adenosinetriphosphatase-ATP synthase. Archinard P, et al. Biochemistry 1986 Jun 3; 25(11):3397-404

Reaction of electron-transfer flavoprotein with electron-transfer flavoprotein-ubiquinone oxidoreductase. Beckmann JD, et al. Biochemistry 1985 Jul 16;24(15):3922-5

Electron-transfer flavoprotein-ubiquinone oxidoreductase from pig liver: purification and molecular, redox, and catalytic properties. Beckmann JD, et al. Biochemistry 1985 Jul 16;24(15):3913-21

Triton X-100 induced dissociation of beef heart cytochrome c oxidase into monomers. Robinson NC, et al. Biochemistry 1986 May 6;25(9):2328-35

Submitochondrial localization of arginase and other enzymes associated with ure- synthesis and nitrogen metabolism, in liver of Squalus acanthias. Casey CA, et al. Comp Biochem Physiol [B] 1985;82(2):307-15

Thermostability of membrane systems in organic solvents. Ayala G, et al. FEBS Lett 1986 Jul 14;203(1):41-3

Topology and function of "stalk" proteins in the bovine mitochondrial H+-ATPase. Joshi S, et al. J Biol Chem 1986 Aug 15;261(23):10653-8

ADP/ATP carrier: analysis of transmembrane folding using pyridoxal phosphate. Bogner W, et al. Methods Enzymol 1986;125:650-8

Intramitochondrial localization of fumarate reductase, NADPH-----NAD transhydrogenase, 'malic' enzyme and fumarase in adult Hymenolepis diminuta. McKelvey JR, et al. Mol Biochem Parasitol 1985 Nov;17(2):253-63

METABOLISM

The mitochondrial site of superoxide formation. Nohl H, et al. Biochem Biophys Res Commun 1986 Jul 31;138(2):533-9

The locus of inhibition of NADH oxidation by benzothiadiazoles in beef heart submitochondrial particles. Ferreira J, et al. Biochem Int 1986 Mar;12(3):447-59

Determination of partition and lateral diffusion coefficients of ubiquinones by fluorescence quenching of n-(9-anthroyloxy)stearic acids in phospholipid vesicles and mitochondrial membranes. Fato R, et al. Biochemistry 1986 Jun 3;25(11):3378-90

Current-voltage relationships for proton flow through the F0 sector of the ATP-synthase, carbonylcyanide-p-trifluoromethoxyphenylhydrazone or leak pathways in submitochondrial particles. Seren S, et al. Eur J Biochem 1985 Oct 15;152(2):373-9

Extraction, partial purification and functional reconstitution of two mitochondrial carriers transporting keto acids: 2-oxoglutarate and pyruvate. Nalecz MJ, et al. FEBS Lett 1986 Feb 17;196(2):331-6

Studies on the mechanism of oxidative phosphorylation. Catalytic site cooperativity in ATP synthesis. Matsuno-Yagi A, et al. J Biol Chem 1985 Nov 25; 260(27):11424-7

[Pentachlorophenol inhibition of succinate oxidation by the respiratory chain in submitochondrial particles from the bovine heart] Afanas'eva EV, et al. Biokhimiia 1986 May; 51(5):823-9 (Eng. Abstr.) (Rus)

[Submitochondrial distribution of cAMP during incubation with rat liver mitochondria] Kulinskii VI, et al. Biokhimiia 1985 Sep;50(9):1546-52 (Eng. Abstr.) (Rus)

ULTRASTRUCTURE

Rod-like intramitochondrial inclusions after hypothermic chemical cardioplegia during cardiac operations. Kyösola KT, et al. J Thorac Cardiovasc Surg 1986 Feb;91(2):277-80

SUBMUCOUS PLEXUS

ANALYSIS

mu-Opioid receptors and alpha 2-adrenoceptors coexist on myenteric but not on submucous neurones. Surprenant A, et al. Neuroscience 1985 Oct;16(2):425-30

ANATOMY & HISTOLOGY

[The hypoganglionic and aganglionic high pressure zone of the anterior esophagus (the esophageal opening) and its special blood supply (angiomuscular sphincter closure)] Stelzner F, et al. Langenbecks Arch Chir 1986;367(3):187-96 (Eng. Abstr.) (Ger)

[Morphological studies of human gallbladder] Sugai M. Nippon Heikatsukin Gakkai Zasshi 1985 Apr;21(2):119-38 (Eng. Abstr.) (Jpn)

CYTOLOGY

Muscarinic M1 and M2 receptors mediate depolarization and presynaptic inhibition in guinea-pig enteric nervous system. North RA, et al. J Physiol (Lond) 1985 Nov;368:435-52

[Concentrations of external noradrenergic axonal networks in the area of type-III neuronal aggregates and dense capillary networks of the external submucosal plexus (Schabadasch's) in the pig small intestine] Stach W, et al. Z Mikrosk Anat Forsch 1985;99(4):617-26 (Eng. Abstr.) (Ger)

GROWTH & DEVELOPMENT

[Development of Meissner's plexus in the rat--neuron-specific enolase as the marker] Horisawa M, et al. Nippon Heikatsukin Gakkai Zasshi 1985 Aug; 21(4):337-9 (Jpn)

METABOLISM

Exogenous silver in dorsal root ganglia, peripheral nerve, enteric ganglia, and adrenal medulla. Rungby J. Acta Neuropathol (Berl) 1986;69(1-2):45-53

PHYSIOLOGY

Slow postsynaptic potentials in neurones of submucous plexus of guinea-pig caecum and their mimicry by noradrenaline and various peptides. Mihara S, et al. Neuroscience 1985 Dec;16(4):1057-68

SUBPHRENIC ABSCESS

[Subphrenic abscess. Importance of its pathology and ever present diagnostic and therapeutic problems] Tajana A, et al. Minerva Med 1986 Apr 28;77(18):721-34 (45 ref.) (Eng. Abstr.) (Ita)

COMPLICATIONS

[Tooth infection spreading to the abdominal cavity] Peterson CM, et al. Lakartidningen 1986 Feb 5;83(6):412-3 (Swe)

DIAGNOSIS

[Subphrenic abscesses; anatomico-clinical and therapeutic considerations] Grildinaru V, et al. Rev Chir [Chir] 1985 May-Jun;34(3):179-87 (Eng. Abstr.) (Rum)

ETIOLOGY

Intraperitoneal septic complications after hepatectomy. Yanaga K, et al. Ann Surg 1986 Feb;203(2):148-52

Subphrenic and mediastinal abscess formation: a complication of Ludwig's angina. Bounds GA. Br J Oral Maxillofac Surg 1985 Oct;23(5):313-21

Subphrenic abscess: a complication of lobar pneumonia. Packe GE, et al. Eur J Respir Dis 1985 Oct;67(4):301-4

Empyema, subphrenic abscess and pyaemic splenic necrosis. A rare complication of Salmonella enteritidis infection. Sethia B, et al. J R Coll Surg Edinb 1985 Jun;30(3):204-5

Is "primary" subphrenic abscess caused by Streptococcus milleri a result of unrecognized gastrointestinal perforation? Admon D, et al. Klin Wochenschr 1986 Mar 17;64(6):287-9

[Postoperative subphrenic abscesses. A clinical contribution] Guarnieri A, et al. Minerva Chir 1986 Jun 30; 41(11-12):1039-43 (Eng. Abstr.) (Ita)

[Subphrenic abscesses] Rogowski K, et al. Wiad Lek 1985 Jul 1;38(13):967-72 (Eng. Abstr.) (Pol)

RADIOGRAPHY

[Differential x-ray diagnosis of early postoperative complications after resection of the stomach] Usova NA, et al. Vestn Rentgenol Radiol 1985 Jul-Aug;(4):73-4 (Rus)

RADIONUCLIDE IMAGING

False-positive radiocolloid liver image due to a subphrenic abscess. Shih WJ, et al. Clin Nucl Med 1986 Jun;11(6):400-1

SURGERY

[A method of draining the subdiaphragmatic space after extensive resection of the liver] Al'perovich BI, et al. Khirurgiia (Mosk) 1986 Feb;(2):100-2 (Rus)

THERAPY

Catheter drainage of the left posterior subphrenic space: a reliable percutaneous approach. Crass JR, et al. Gastrointest Radiol 1985;10(4):397-8

SUBSEPSIS ALLERGICA see WISSLER'S SYNDROME

SUBSEPSIS HYPERERGICA see WISSLER'S

SYNDROME

SUBSIDIES, EDUCATIONAL see TRAINING SUPPORT

SUBSIDIES, GOVERNMENT see FINANCING, GOVERNMENT

SUBSIDIES, HEALTH PLANNING see HEALTH PLANNING SUPPORT

SUBSIDIES, RESEARCH see RESEARCH SUPPORT

SUBSTANCE ABUSE

see related
DRUG AND NARCOTIC CONTROL

Factitious Cushing's syndrome. O'Hare JP, et al. **Acta Endocrinol (Copenh)** 1986 Feb;111(2):165–7

Cocaine use among adolescents: longitudinal associations with social context, psychopathology, and use of other substances. Newcomb MD, et al. **Addict Behav** 1986; 11(3):263–73

Controversies in alcoholism and substance abuse. **Adv Alcohol Subst Abuse** 1985 Fall–1986 Winter; 5(1–2):1–233

Alcohol and substance abuse in women and children. **Adv Alcohol Subst Abuse** 1986 Spring;5(3):1–145

Alcohol and substance use and abuse in women and children. Morgan LK, et al. **Adv Alcohol Subst Abuse** 1986 Spring; 5(3):137–45

The support of scientific controversy [editorial] Stimmel B. **Adv Alcohol Subst Abuse** 1985 Fall–1986 Winter; 5(1–2):1–11

Talc: its manifestations in the chest [letter] Fitzer PM. **AJR** 1986 Aug;147(2):439

Adolescent substance and alcohol abuse [editorial] **Am Fam Physician** 1986 May;33(5):82–4

Contemporary drugs of abuse. Giannini AJ, et al. **Am Fam Physician** 1986 Mar;33(3):207–16

Abnormal sleeping ventilatory pattern in infants of substance-abusing mothers. Ward SL, et al. **Am J Dis Child** 1986 Oct;140(10):1015–20

Early weight-change patterns in neonatal abstinence. Weinberger SM, et al. **Am J Dis Child** 1986 Aug; 140(8):829–32

Human overdose with the veterinary tranquilizer xylazine. Spoerke DG, et al. **Am J Emerg Med** 1986 May;4(3):222–4

Massive hemolysis following inhalation of volatile nitrites. Bogart L, et al. **Am J Hematol** 1986 Jul;22(3):327–9

Regulatory controversy surrounding ipecac use and misuse. Brushwood DB, et al. **Am J Hosp Pharm** 1986 Jan; 43(1):157–61

Substance-abuse questions answered by a drug information service. Gallo GR, et al. **Am J Hosp Pharm** 1986 Jul; 43(7):1759–60

Psychoactive-drug use among adolescents with psychiatric disorders. Groves JB, et al. **Am J Hosp Pharm** 1986 Jul; 43(7):1714–8

Nitrous oxide, an opioid addictive agent. Review of the evidence. Gillman MA. **Am J Med** 1986 Jul;81(1):97–102 (60 ref.)

Influence of vegetation size on clinical outcome of right-sided infective endocarditis. Robbins MJ, et al. **Am J Med** 1986 Feb;80(2):165–71

Alternate therapy for traumatic pneumothorax in "pocket shooters". Wisdom K, et al. **Ann Emerg Med** 1986 Apr; 15(4):428–32

Recovery of ingested heroin packets. Robins JB, et al. **Arch Emerg Med** 1986 Jun;3(2):125–7

T-lymphocyte subsets in hospitalized drug abusers: is there more than meets the eye? [letter] Tor J, et al. **Arch Intern Med** 1985 Nov;145(11):2134–6

Substance abuse policies in rehabilitation medicine departments. Rohe DE, et al. **Arch Phys Med Rehabil** 1985 Oct;66(10):701–3

Torsade de pointes after astemizole overdose. Craft TM. **Br Med J [Clin Res]** 1986 Mar 8;292(6521):660

Long term follow up of chronic hepatitis B virus infection in intravenous drug abusers and homosexual men. Moestrup T, et al. **Br Med J [Clin Res]** 1986 Mar 29;292(6524):854–7

Epidemic of AIDS related virus (HTLV-III/LAV) infection among intravenous drug abusers. Robertson JR, et al. **Br Med J [Clin Res]** 1986 Feb 22;292(6519):527–9

Epidemic of AIDS related virus infection among intravenous drug abusers [letter] Webb G, et al. **Br Med J [Clin Res]** 1986 May 3;292(6529):1202

Abuse potential of benzodiazepines. Ciraulo DA. **Bull NY Acad Med** 1985 Oct;61(8):728–41

The abuse of legal drugs. **Chem Depend** 1980;4(1–2):1–143

Benzodiazepine abuse and dependence: an overview. Lader M. **Clin Neuropharmacol** 1985;8 Suppl 1:S123–5

Pharmacokinetic determinants of drug abuse and dependence. A conceptual perspective. Busto U, et al. **Clin Pharmacokinet** 1986 Mar–Apr;11(2):144–53 (63 ref.)

Consensus development summaries. Drug concentrations and driving impairment. National Institute on Drug Abuse. **Conn Med** 1986 Jun;50(6):399–402

Papers presented at the Committee on Problems of Drug Dependence Symposium on Stimulants and Hallucinogens. June/September, 1984. **Drug Alcohol Depend** 1986 Jun; 17(2–3):105–298

Mefenorex (Rondimen). Engel J, et al. **Drug Alcohol Depend** 1986 Jun;17(2–3):229–34

Fenetylline: therapeutic use, misuse and/or abuse. Kristen G, et al. **Drug Alcohol Depend** 1986 Jun;17(2–3):259–71

Propylhexdrine. Wesson DR. **Drug Alcohol Depend** 1986 Jun; 17(2–3):273–8

OTC misuse: worth the physician's attention [editorial] Morse RM. **Geriatrics** 1985 Oct;40(10):21

Nihil nimis. Morowitz HJ. **Hosp Pract [Off]** 1985 Oct 15; 20(10):18–24

A dangerous mix: alcohol, drugs and medical students. Scharrer AJ. **IMJ** 1986 Apr;169(4):244

Volkmann's ischaemic contracture due to limb compression in drug-induced coma. Christensen KS, et al. **Injury** 1985 Sep;16(8):543–4

An application of three deviance theories to adolescent substance use. White HR, et al. **Int J Addict** 1986 Mar; 21(3):347–66

Heroin abuse in an inner-city practice. O'Kelly FD, et al. **Ir Med J** 1986 Apr;79(4):85–7

Drug intake and the dexamethasone suppression test. Burch EA Jr, et al. **J Clin Psychiatry** 1986 Mar;47(3):144–6

AMP: a new form of marijuana. Spector I. **J Clin Psychiatry** 1985 Nov;46(11):498–9

Does drug and alcohol use lead to failure to graduate from high school? Friedman AS, et al. **J Drug Educ** 1985; 15(4):353–64

Recreational gasoline sniffing: acute gasoline intoxication and latent organolead poisoning. Case reports and literature review. Edminster SC, et al. **J Emerg Med** 1985;3(5):365–70

Technetium 99m MDP uptake in drug-induced fibrous myopathy. Rodan BA, et al. **J Fla Med Assoc** 1985 Dec; 72(12):1042–4

A division of substance abuse medicine in a teaching hospital. Lerner WD, et al. **J Med Educ** 1986 Jul;61(7):606–8

Perinatal cerebral infarction and maternal cocaine use. Chasnoff IJ, et al. **J Pediatr** 1986 Mar;108(3):456–9

Khat: another drug of abuse? Giannini AJ, et al. **J Psychoactive Drugs** 1986 Apr–Jun;18(2):155–8

The international scheduling of OTC inhaler ingredients: an abuse perspective. Wesson DR, et al. **J Psychoactive Drugs** 1986 Apr–Jun;18(2):151–4

The chemically dependent: a special population within the profession of dentistry [editorial] Striffler DF. **J Public Health Dent** 1986 Summer;46(3):132

Benzodiazepines as a major danger in overdosage in drug abusers [letter] Robertson JR, et al. **J R Coll Gen Pract** 1986 May;36(286):225–6

Message source credibility in drug education. Bailey WJ. **J Sch Health** 1985 Nov;55(9):385–8

Subacute painful myopathy from chronic propoxyphene napsylate abuse [letter] Dalakas MC. **JAMA** 1986 Apr 4; 255(13):1709

Sniffing up trouble: adhesive tape remover pads [letter] Zipp JM. **JAMA** 1986 Jul 4;256(1):39–40

Syringe sharing among London drug abusers [letter] **Lancet** 1985 Dec 21–28;2(8469–70):1425

Tri-iodothyroacetic acid abuse in a female body builder [letter] Ferner RE, et al. **Lancet** 1986 Feb 15;1(8477):383

HTLV-III antibody in drug abusers in the west of Scotland: the Edinburgh connection [letter] Follett EA, et al. **Lancet** 1986 Feb 22;1(8478):446–7

National campaign against drug abuse [letter] Bell DS. **Med J Aust** 1986 Jul 7;145(1):59

Elevated lead levels in petrol "sniffers". Eastwell HD. **Med J Aust** 1985 Oct 28;143(9 Suppl):S63–4

Solvent abuse using bromochlorodifluoromethane from a fire extinguisher. Heath MJ. **Med Sci Law** 1986 Jan;26(1):33–4

Sharing of needles among users of intravenous drugs [letter] Black JL, et al. **N Engl J Med** 1986 Feb 13;314(7):446–7

"Free" needles for intravenous drug users at risk for AIDS: current developments in New York City [letter] Des Jarlais DC, et al. **N Engl J Med** 1985 Dec 5;313(23):1476

The prevalence of HTLV-III/LAV antibodies among intravenous drug users attending treatment programs in California: a preliminary report [letter] Levy N, et al. **N Engl J Med** 1986 Feb 13;314(7):446

Progress report from the Medical College of Virginia: abused solvents. Balster RL. **Natl Inst Drug Abuse Res Monogr Ser** 1986;67:82–92

Biological evaluation of compounds for their physical dependence potential and abuse liability. VIII. Drug testing program of the Committee on Problems of Drug Dependence, Inc. (1984). Jacobson AE. **Natl Inst Drug Abuse Res Monogr Ser** 1984;55:298–308

Use of nonnarcotic drugs by narcotic addicts. Nurco DN, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;67:295–9

Experimental assessment of the relative abuse liability of triazolam and pentobarbital. Roache JD, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;55:106–10

Characteristics of humans volunteering for a cocaine research project. Schuster CR, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1985;61:158–70

Impact of Talwin NX. Senay EC, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;55:170–7

New patterns of cocaine use: changing doses and routes. Siegel RK. **Natl Inst Drug Abuse Res Monogr Ser** 1985; 61:204–20

Teaching alcoholism and substance abuse: a medical malfeasance? Barefoot SW. **NC Med J** 1986 Apr; 47(4):209–11

Marching to a different cactus: peyote (mescaline) intoxication. Mack RB. **NC Med J** 1986 Mar;47(3):137–8

The underemphasis on smoking in medical education. Ginzel KH. **NY State J Med** 1985 Jul;85(7):299–301

Cocaine-induced myocardial infarction. Gould L, et al. **NY State J Med** 1985 Nov;85(11):660–1

Abuse of buprenorphine [letter] Rainey HB. **NZ Med J** 1986 Feb 12;99(795):72

PADS: a look at prescription drug abuse. **Ohio State Med J** 1986 Jan;82(1):33–8

Pneumomediastinum and cervical emphysema from the inhalation of "free based" cocaine: report of three cases. Aroesty DJ, et al. **Otolaryngol Head Neck Surg** 1986 Mar; 94(3):372–4

Sex, drugs, rock 'n' roll—understanding common teenage behavior. An adolescent medicine symposium. October 20, 1984 and April 2–5, 1985. **Pediatrics** 1985 Oct;76(4 Pt 2):659–712

Steroid abuse by adolescents [letter] Kwasman A. **Pediatrics** 1986 Jul;78(1):186

Maternal cocaine abuse and effect on the newborn. Madden JD, et al. **Pediatrics** 1986 Feb;77(2):209–11

Sex, drugs, rock 'n' roll: an introduction. Strasburger VC. **Pediatrics** 1985 Oct;76(4 Pt 2):659–63

Prescription and misuse of benzodiazepines in the Federal Republic of Germany. Müller-Oerlinghausen B. **Pharmacopsychiatry** 1986 Jan;19(1):8–13

Surreptitious ingestion of warfarin. Maharaj D, et al. **Practitioner** 1986 Feb;230(1412):105–8

An overview of cocaine use and abuse. Murray JB. **Psychol Rep** 1986 Aug;59(1):243–64

MPTP and parkinsonism. Bianchine JR, et al. **Ration Drug Ther** 1985 Feb;19(2):5–7

[Laxative abuse] Bytzer P. **Ugeskr Laeger** 1986 Jun 2; 148(23):1387–9 (Eng. Abstr.) (Dan)

[Ischemic colitis and ergotamine abuse] Iversen E, et al. **Ugeskr Laeger** 1986 Mar 17;148(12):718–9 (Eng. Abstr.) (Dan)

[Evaluation of driving ability in drug users] Haag M, et al. **Ther Umsch** 1985 Sep;42(9):617–23 (Eng. Abstr.) (Ger)

[Treatment of analgesic-induced headache] Isler H. **Ther Umsch** 1986 Mar;43(3):221–5 (Eng. Abstr.) (Ger)

[Case of pseudohyperaldosteronism caused by 9-alpha-fluoroprednisolone abuse] Napolitano C, et al. **Clin Ter** 1985 Jul 15;114(1):63–6 (Eng. Abstr.) (Ita)

[Propoxyphene: physical dependence and poisoning] Dalgalarrondo P, et al. **Rev Paul Med** 1985 Sep–Oct; 103(5):245–8 (Eng. Abstr.) (Por)

BLOOD

Carboxyhemoglobinemia caused by inhalation of methylene chloride. Horowitz BZ. **Am J Emerg Med** 1986 Jan; 4(1):48–51

Altered functions of peripheral blood monocytes in homosexual males and intravenous drug users with persistent generalized lymphadenopathy. Roux-Lombard P, et al. **Eur J Clin Invest** 1986 Jun;16(3):262–70

Effects of acute ethanol intoxication combined with secobarbital abuse on hemostasis. Lox CD, et al. **Gen Pharmacol** 1985;16(5):525–8

COMPLICATIONS

Medical and psychiatric complications of cocaine abuse with possible points of pharmacological treatment. Estroff TW, et al. **Adv Alcohol Subst Abuse** 1985 Fall–1986 Winter; 5(1–2):61–76

Epidemiology of the acquired immunodeficiency syndrome in intravenous drug abusers. Koplan JP, et al. **Adv Alcohol Subst Abuse** 1985 Fall–1986 Winter; 5(1–2):13–23

Diagnosis and management of acquired immune deficiency syndrome in intravenous drug users. Shine D. **Adv Alcohol Subst Abuse** 1985 Fall–1986 Winter; 5(1–2):25–34

Alcoholism, drug abuse, and gambling. Lesieur HR, et al. **Alcoholism (NY)** 1986 Jan–Feb;10(1):33–8

Nasal septal perforation from illicit drug use. Schwartz RH, et al. **Am Fam Physician** 1986 Sep;34(3):187–8

Recurrent myocardial infarction caused by cocaine abuse. Weiss RJ. **Am Heart J** 1986 Apr;111(4):793

Rupture of the ascending aorta during cocaine intoxication. Barth CW 3d, et al. **Am J Cardiol** 1986 Feb 15;57(6):496

Cardiovascular dangers of cocaine abuse. Cregler LL, et al. **Am J Cardiol** 1986 May 1;57(13):1185–6

Relation of acute myocardial infarction to cocaine abuse. Cregler LL, et al. **Am J Cardiol** 1985 Nov 1;56(12):794

Role of echocardiography in suspected infective endocarditis in intravenous drug abusers. Dubois RW, et al. **Am J Cardiol** 1986 Sep 15;58(7):649–50

Analgesic nephropathy: a significant cause of morbidity in the United States. Buckalew VM Jr, et al. **Am J Kidney Dis** 1986 Feb;7(2):164–8

Analgesic-associated nephropathy: an important cause of chronic renal failure in the United States? Goldberg M. **Am J Kidney Dis** 1986 Feb;7(2):162–3

Renal failure in America is infrequently due to analgesic abuse. Maher JF. **Am J Kidney Dis** 1986 Feb;7(2):169–73

Evidence for a particularly severe secondary hyperparathyroidism in analgesic abuse nephropathy. Jaeger P, et al. **Am J Nephrol** 1985;5(5):342–50

Cocaine precipitation of panic disorder. Aronson TA, et al. **Am J Psychiatry** 1986 May;143(5):643–5

Psychological themes in patients with acquired immune

deficiency syndrome [letter] Hays LR, et al. **Am J Psychiatry** 1986 Apr;143(4):551
Alcohol, drugs, and strokes [letter] Johnson FP. **Am J Psychiatry** 1986 Feb;143(2):266
Substance abuse, mental illness, and pathological gambling [letter] Nora RM. **Am J Psychiatry** 1986 Apr;143(4):558–9
Pneumothorax in drug abusers. An urban epidemic? Douglass RE, et al. **Am Surg** 1986 Jul;52(7):377–80
Unexpected arteriovenous fistula in the arm of an intravenous drug abuser [letter] Greene ER Jr. **Anesthesiology** 1986 Jun; 64(6):842
Prophylaxis for infective endocarditis [letter] **Ann Intern Med** 1986 Aug;105(2):299–300
Risk reduction for the acquired immunodeficiency syndrome among intravenous drug users. Des Jarlais DC, et al. **Ann Intern Med** 1985 Nov;103(5):755–9
Psoralen phototherapy and phototoxicity. Berakha GJ, et al. **Ann Plast Surg** 1985 May;14(5):458–61
Persistent staphylococcal bacteremia in an intravenous drug abuser. Barg NL, et al. **Antimicrob Agents Chemother** 1986 Feb;29(2):209–11
San Diego Suicide Study. II. Substance abuse in young cases. Fowler RC, et al. **Arch Gen Psychiatry** 1986 Oct; 43(10):962–5
The clinical implications of primary diagnostic groups among alcoholics. Schuckit MA. **Arch Gen Psychiatry** 1985 Nov; 42(11):1043–9
HTLV-III antibody in intravenous drug abusers of metropolitan Barcelona, Spain [letter] Tor J, et al. **Arch Intern Med** 1986 Apr;146(4):805
Increasing prevalence of HTLV-III infection in intravenous drug users in Liguria, Italy. Cuneo Crovari P, et al. **Boll Ist Sieroter Milan** 1985;64(4):339–42
AIDS and intravenous drug abusers. Adler MW. **Br J Addict** 1986 Jun;81(3):307–10
Intra-cranial haemorrhage from drug abuse. Ng LL, et al. **Br J Clin Pract** 1986 Jun;40(6):255–6
Cocaine-induced myocardial infarction. Rollingher IM, et al. **Can Med Assoc J** 1986 Jul 1;135(1):45–6
Bullous pulmonary damage in users of intravenous drugs. Goldstein DS, et al. **Chest** 1986 Feb;89(2):266–9
Monocyte function in intravenous drug abusers with lymphadenopathy syndrome and in patients with acquired immunodeficiency syndrome: selective impairment of chemotaxis. Poli G, et al. **Clin Exp Immunol** 1985 Oct; 62(1):136–42
Natural killer cells in intravenous drug abusers with lymphadenopathy syndrome. Poli G, et al. **Clin Exp Immunol** 1985 Oct;62(1):128–35
Abuse of isobutyl nitrite inhalation (Rush) by adolescents. Schwartz RH, et al. **Clin Pediatr (Phila)** 1986 Jun; 25(6):308–10
Cocaine, myocardial infarction and arrhythmias—a review. **Duke M. Conn Med** 1986 Jul;50(7):440–2
Systemic candidiasis in drug addicts [letter] Podzamczer D, et al. **Eur J Clin Microbiol** 1985 Oct;4(5):509–12
Panhypopituitarism in a young drug abuser. Harris LS, et al. **Forensic Sci Int** 1986 Feb–Mar;30(2–3):205–11
Systemic lymphadenopathy (LAS) in intravenous drug abusers. Histology, immunohistochemistry and electron microscopy: pathogenic correlations. Baroni CD, et al. **Histopathology** 1985 Dec;9(12):1275–93
Ten-year follow-up of drug abusers with acute or chronic psychosis. Perkins KA, et al. **Hosp Community Psychiatry** 1986 May;37(5):481–4
The cocaine user who looked like a bullfrog. Khouzam N. **Hosp Pract [Off]** 1986 Sep 15;21(9):157–8
Drug abuse and bipolar disorders. Estroff TW, et al. **Int J Psychiatry Med** 1985–86;15(1):37–40
Diagnosis of substance abuse in an adolescent psychiatric population. Roehrich H, et al. **Int J Psychiatry Med** 1986–87;16(2):137–43
Effects of drug and alcohol abuse upon pituitary-testicular function in adolescent males. Diamond F Jr, et al. **J Adolesc Health Care** 1986 Jan;7(1):28–33
Cutaneous foreign body granulomas associated with intravenous drug abuse. Posner DI, et al. **J Am Acad Dermatol** 1985 Nov;13(5 Pt 2):869–72
Fatal intracranial hemorrhage associated with phenylpropanolamine, pentazocine, and tripelennamine overdose. Jackson C, et al. **J Emerg Med** 1985;3(2):127–32
Bilateral pneumothorax in an intravenous drug abuser. Savitt D, et al. **J Emerg Med** 1985;2(6):405–8
Mycotic aneurysms of the upper extremity, report of two cases. Ho PK, et al. **J Hand Surg [Br]** 1986 Jun;11(2):271–3
Bacteremia caused by group G streptococci in parenteral drug abusers: epidemiological and clinical aspects. Craven DE, et al. **J Infect Dis** 1986 May;153(5):988–92
Systemic candidiasis in heroin abusers [letter] Podzamczer D, et al. **J Infect Dis** 1986 Jun;153(6):1182–3
Cryptococcal pericarditis in an intravenous drug abuser [letter] Schuster M, et al. **J Infect Dis** 1985 Oct;152(4):842
Mycotic aneurysms in intravenous drug abuse [letter] Lewis ES, et al. **J Natl Med Assoc** 1986 Apr;78(4):273
Catatonic reaction to accidental haloperidol overdose: an unrecognized drug abuse risk. Hoffman AS, et al. **J Nerv Ment Dis** 1986 Jul;174(7):428–30
Laxative abuse as a variant of bulimia. Mitchell JE, et al. **J Nerv Ment Dis** 1986 Mar;174(3):174–6
Drug abuse and the adolescent sex offender: a preliminary analysis. Mio JS, et al. **J Psychoactive Drugs** 1986 Jan–Mar; 18(1):65–72
Cocaine-alcohol abuse: epidemiological, diagnostic and treatment considerations. Smith DE. **J Psychoactive Drugs** 1986 Apr–Jun;18(2):117–29
Myoglobinuria due to heroin abuse. Gibb WR, et al. **J R Soc Med** 1985 Oct;78(10):862–3
"Ts and Blues" in pregnancy.von Almen WF 2d, et al. **J Reprod Med** 1986 Apr;31(4):236–9
Survey of alcohol and drug misuse in spinal cord injured veterans. Kirubakaran VR, et al. **J Stud Alcohol** 1986 May; 47(3):223–7
Identification of borderline personality disorders among substance abuse inpatients. Inman DJ, et al. **J Subst Abuse Treat** 1985;2(4):229–32
Localized gangrene of the scrotum and penis: a complication of heroin injection into the femoral vessels. Somers WJ, et al. **J Urol** 1986 Jul;136(1):111–3
Leads from the MMWR. Hepatitis B among parenteral drug abusers—North Carolina. **JAMA** 1986 Sep 12;256(10):1262, 1269
Leads from the MMWR. Additional recommendations to reduce sexual and drug abuse-related transmission of human T-lymphotropic virus type III/lymphadenopathy-associated virus. **JAMA** 1986 Apr 11;255(14):1843–4, 1849
A case of massive diphenhydramine abuse and withdrawal from use of the drug [letter] Feldman MD, et al. **JAMA** 1986 Jun 13;255(22):3119–20
Heterosexual contact is not the predominant mode of HTLV-III transmission among intravenous drug abusers [letter] Tirelli U, et al. **JAMA** 1986 May 2;255(17):2289
Bronchospasm and intravenous street heroin [letter] Anderson K. **Lancet** 1986 May 24;1(8491):1208
AIDS in haemophiliacs, parenteral drug abusers, and homosexuals [letter] Fuchs D, et al. **Lancet** 1986 Feb 8; (8476):324
Cocaine abuse and eating disorders [letter] Jonas JM, et al. **Lancet** 1986 Feb 15;1(8477):390–1
Analgesic nephropathy in West Germany [letter] Schwarz A, et al. **Lancet** 1986 Jan 25;1(8474):210
Osteolytic sinusitis and pneumomediastinum: deceptive otolaryngologic complications of cocaine abuse. Schweitzer VG. **Laryngoscope** 1986 Feb;96(2):206–10
AIDS in drug abusers [letter] Paine S, et al. **Med J Aust** 1985 Dec 9–23;143(12–13):631
Hepatitis B among parenteral drug abusers—North Carolina. **MMWR** 1986 Aug 1;35(30):481–2
Additional recommendations to reduce sexual and drug abuse-related transmission of human T-lymphotropic virus type III/lymphadenopathy-associated virus. **MMWR** 1986 Mar 14;35(10):152–5
Mediastinal hematoma in an intravenous drug abuser. Ramani Rao MV, et al. **Mt Sinai J Med (NY)** 1986 Feb;53(2):157–9
Prevalence of HTLV-III infection among New Haven, Connecticut, parenteral drug abusers in 1982–1983 [letter] D'Aquila R, et al. **N Engl J Med** 1986 Jan 9;314(2):117–8
Reversible myopathy secondary to abuse of ipecac in patients with major eating disorders. Palmer EP, et al. **N Engl J Med** 1985 Dec 5;313(23):1457–9
Madarosis from cocaine use [letter] Tames SM, et al. **N Engl J Med** 1986 May 15;314(20):1324
Reinforcement and rapid delivery systems: understanding adverse consequences of cocaine. Cohen S. **Natl Inst Drug Abuse Res Monogr Ser** 1985;61:151–7
Cocaine abuse: neurochemistry, phenomenology, and treatment. Gold MS, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1985;61:130–50
Drug use patterns and premenstrual dysphoria. Mello NK. **Natl Inst Drug Abuse Res Monogr Ser** 1986;65:31–48 (57 ref.)
Neurologic sequelae of chronic solvent vapor abuse. Hormes JT, et al. **Neurology** 1986 May;36(5):698–702
Bilateral pneumothorax, a rare complication of skin popping. Patel RI, et al. **NJ Med** 1986 Apr;83(4):247–8
Echocardiographic screening for acute infectious endocarditis in drug abusers. Weisse AB, et al. **NJ Med** 1986 Apr;83(4):239–41
New abuse of ipecac [letter] Ente G, et al. **Pediatrics** 1986 Jan;77(1):134–5
Cardiac arrhythmia and myocardial ischaemia related to cocaine and alcohol consumption. Boag F, et al. **Postgrad Med J** 1985 Nov;61(721):997–9
Multiple drug use. Epidemiology, correlates, and consequences. Clayton RR. **Recent Dev Alcohol** 1986; 4:7–38
Disease manifestation among homosexual men with acquired immunodeficiency syndrome: a possible role of nitrites in Kaposi's sarcoma. Haverkos HW, et al. **Sex Transm Dis** 1985 Oct–Dec;12(4):203–8
Bacteremic death: sequel of persistent rhinitis precipitated by intranasal cocaine abuse [letter] Alonso K, et al. **South Med J** 1986 Aug;79(8):1049
Ocular manifestations of drug abuse. McLane NJ, et al. **Surv Ophthalmol** 1986 Mar–Apr;30(5):298–313 (131 ref.)
Nonocular manifestations of parenteral drug abuse. Michelson JB, et al. **Surv Ophthalmol** 1986 Mar–Apr; 30(5):314–20 (55 ref.)
Renal cell carcinoma and transitional cell carcinomas of the pelvis and bladder in a patient affected by chronic renal failure due to abuse of phenacetin. Campo B, et al. **Tumori** 1986 Apr 30;72(2):215–7
Non-epithelial basement membrane thickening in the urinary tract associated with phenacetin abuse. Palvio DH, et al. **Virchows Arch [A]** 1985;408(2–3):173–82
Drug abuse and mental health [editorial] Wray SR. **West Indian Med J** 1986 Mar;35(1):1–3
[Induced insanity occurring in hospitalized patients of chronic methamphetamine psychosis] Tohhara S, et al. **Arukoru Kenkyuto Yakubutsu Ison** 1985 Dec;20(4):350–8 (Eng. Abstr.) **(Jpn)**
[Case of massive hepatic steatosis secondary to thiamine abuse] Buligescu I, et al. **Rev Med Interna [Med Interna]** 1986 Mar–Apr;38(2):183–92 (Eng. Abstr.) **(Rum)**
[Polyneuropathy associated with the parenteral administration of pentazocine] Guarga A, et al. **Med Clin (Barc)** 1986 Feb 1;86(4):158–60 (Eng. Abstr.) **(Spa)**
[Gastric bezoar produced by synthetic glue] Bustamante Sarabia J, et al. **Rev Gastroenterol Mex** 1985 Apr–Jun; 50(2):147–9 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Forensic problems in Greece. Koutselinis A. **Am J Forensic Med Pathol** 1986 Jun;7(2):130–2
Drugs and the young: some legal issues. Chatterjee SK. **Bull Narc** 1985 Apr–Sep;37(2–3):157–68
Pattern-reversal visual evoked potential in a case of nitrous oxide abuse and recovery. Murdoch BD, et al. **Clin Electroencephalogr** 1985 Jul;16(3):143–8
OTC drug overuse in the elderly: what to watch for. Kofoed LL. **Geriatrics** 1985 Oct;40(10):55–60
Adolescent drug abuse. Niven RG. **Hosp Community Psychiatry** 1986 Jun;37(6):596–607
The public says "yes" to mandatory drug testing.Steiber S. **Hospitals** 1986 Sep 5;60(17):100
The identification of adolescent substance abuse by health care professionals. Singer M, et al. **Int J Addict** 1986 Feb; 21(2):247–54
Intervention strategies. Haugland SM. **Iowa Med** 1986 Mar; 76(3):113–4
Drug abuse and dentistry [letter] **J Am Dent Assoc** 1986 Aug; 113(2):128, 130
Role of the laboratory in the evaluation of suspected drug abuse. Gold MS, et al. **J Clin Psychiatry** 1986 Jan;47(1 Suppl):17–23
Depression and substance abuse in handicapped young men. Motet-Grigoras CN, et al. **J Clin Psychiatry** 1986 May; 47(5):234–7
Use or abuse of antiparkinsonian drugs by psychiatric patients. Saran AS. **J Clin Psychiatry** 1986 Mar;47(3):130–2
Toward the psychometric detection of substance misuse in young men: the SAP scale. MacAndrew C. **J Stud Alcohol** 1986 Mar;47(2):161–6
Consensus report. Drug concentrations and driving impairment. Consensus Development Panel. **JAMA** 1985 Nov 8;254(18):2618–21
Problems in testing for abused drugs [letter] McBay AJ. **JAMA** 1986 Jan 3;255(1):39–40
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 47–1985. A 60-year-old woman with chronic diarrhea and weight loss. **N Engl J Med** 1985 Nov 21;313(21):1341–6
Cocaine use in a treatment: population: patterns and diagnostic distinctions. Gawin FH, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1985;61:182–92
Contemporary drugs of abuse. Giannini AJ, et al. **Ohio State Med J** 1986 Aug;82(8):505–15
Factitious hypoglycemia. Clues to identifying an elusive disorder. Ensberg M, et al. **Postgrad Med** 1986 Jan; 79(1):79–82, 87–8
[Chromatographic demonstration of anthraquinone derivatives in the urine. A method of proving surreptitious laxative abuse] Bytzer P, et al. **Ugeskr Laeger** 1986 Jun 2;148(23):1390–2 (Eng. Abstr.) **(Dan)**

DRUG THERAPY

Effect of severe alcoholic liver disease on the disposition of methadone in maintenance patients. Novick DM, et al. **Alcoholism (NY)** 1985 Jul–Aug;9(4):349–54
Methylphenidate treatment of cocaine abusers without attention deficit disorder: a negative report. Gawin F, et al. **Am J Drug Alcohol Abuse** 1985;11(3–4):193–7

ECONOMICS

Social, economic, and surgical anatomy of a drug-related abscess. Wallace JR, et al. **Am Surg** 1986 Jul;52(7):398–401
The economic costs to New Zealand of lost production due to alcohol abuse. Chetwynd J, et al. **NZ Med J** 1985 Aug 28;98(785):694–7

ETIOLOGY

Patterns of benzodiazepine abuse and dependence. Busto U, et al. **Br J Addict** 1986 Feb;81(1):87–94
Abuse of henbane by children in Turkey. Tugrul L. **Bull Narc** 1985 Apr–Sep;37(2–3):75–8
Psychoactive drug use among overweight psychiatric patients: problem aspect of anorectic drugs. Angle HV, et al. **Chem Depend** 1980;4(1–2):47–55
Characteristics of high-frequency consumers of prescription psychoactive drugs. Chambers CD, et al. **Chem Depend** 1980;4(1–2):33–46
A study of phenmetrazine (Preludin) abuse. Chambers CD,

et al. **Chem Depend** 1980;4(1–2):101–11
Problems and issues encountered in drug abuse research. Prather JE. **Chem Depend** 1982;4(3):147–52
Drug abuse in oral and maxillofacial training programs. Rosenberg M. **J Oral Maxillofac Surg** 1986 Jun; 44(6):458–62
Sedative drug interactions of clinical importance. Cushman P Jr. **Recent Dev Alcohol** 1986;4:61–83
Making doctors. Takos R, et al. **South Med J** 1986 Aug; 79(8):1002–4

FAMILIAL & GENETIC

The interface of drugs, genetics, and man. Part I. Drug actions/effects, manner of use, organismic factors, and ethical issues and considerations. Einstein S. **Int J Addict** 1985 May;20(5):771–82

HISTORY

The narcotics we indulge in. Part II. By James F. W. Johnston. 1853. **J Psychoactive Drugs** 1986 Apr–Jun; 18(2):131–50
The narcotics we indulge in. Part I. By James F. W. Johnston. 1853. **J Psychoactive Drugs** 1985 Jul–Sep;17(3):191–9
Re-creational uses of LSD. Stafford P. **J Psychoactive Drugs** 1985 Oct–Dec;17(4):219–28
A bit on the Wilde side: MDMA abuse. Mack RB. **NC Med J** 1985 Dec;46(12):641–2

IMMUNOLOGY

Epidemic of AIDS related virus infection among intravenous drug abusers [letter] Brettle RP. **Br Med J [Clin Res]** 1986 Jun 21;292(6536):1671
Decreased natural and antibody-dependent cellular cytotoxic activities in intravenous drug abusers. Nair MP, et al. **Clin Immunol Immunopathol** 1986 Jan;38(1):68–78
Systemic lymphadenopathy (LAS) in intravenous drug abusers. Histology, immunohistochemistry and electron microscopy: pathogenic correlations. Baroni CD, et al. **Histopathology** 1985 Dec;9(12):1275–93
HIV IgM antibodies in risk groups who are seronegative on ELISA testing [letter] Bedarida G, et al. **Lancet** 1986 Sep 6;2(8506):570–1
Increased prevalence of HTLV-III antibody among drug addicts from Italian province with US military base [letter] Franceschi S, et al. **Lancet** 1986 Apr 5;1(8484):804
HIV antibodies in intravenous drug abusers [letter] Wodak A, et al. **Med J Aust** 1986 Sep 15;145(6):298
HTLV-III seropositivity in 1971–1972 parenteral drug abusers--a case of false positives for evidence of viral exposure? [letter] Moore JD, et al. **N Engl J Med** 1986 May 22;314(21):1387–8
Lymphocyte subpopulations in Spanish parenteral drug addicts. Latorre X, et al. **Scand J Infect Dis** 1986;18(1):71–8

LEGISLATION & JURISPRUDENCE

[Measures against analgesics abuse. Position of the Committee for Clinical Nephrology] **Dtsch Med Wochenschr** 1986 Sep 12;111(37):1414–5 **(Ger)**

METABOLISM

Xylazine in human tissue and fluids in a case of fatal drug abuse. Poklis A, et al. **J Anal Toxicol** 1985 Sep–Oct; 9(5):234–6
Maternal–fetal transfer of abused substances: pharmacokinetic and pharmacodynamic data. Lee CC, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1985;60:110–47
Metabolic mapping of the cerebral effects of abused drugs. London ED, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;67:26–35

MICROBIOLOGY

Biphasic hepatitis in HBV/HDV coinfected parenteral drug abusers [letter] Caredda F, et al. **Gut** 1986 Jun;27(6):747
Antibody to lymphadenopathy-associated virus/human T lymphotropic virus type III in various groups of illicit drug abusers in New York City [letter] Masyan S, et al. **J Infect Dis** 1985 Oct;152(4):843

MORTALITY

Drug and chemical related deaths: incidence in the State of Maryland—1975 to 1980. Caplan YH, et al. **J Forensic Sci** 1985 Oct;30(4):1012–21
Fatal intravenous drug abuse secondary to streptomycin overdose. Rance F, et al. **J Forensic Sci** 1986 Jul; 31(3):1150–3
The major causative role of ethanol and the minor role of other drugs in the deaths of military personnel in San Diego County, California. Clark MA, et al. **Milit Med** 1985 Sep; 150(9):487–91
The drug scene today and its effect on mortality. O'Brien JE. **Trans Assoc Life Insur Med Dir Am** 1985;68:18–23

OCCURRENCE

History and current status of sedative-hypnotic drug use and abuse. Allgulander C. **Acta Psychiatr Scand** 1986 May; 73(5):465–78 (187 ref.)
Gender differences in alcohol and other drug use. Corrigan EM. **Addict Behav** 1985;10(3):313–7
Substance use among females in New York State: catching up with the males. Kaestner E, et al. **Adv Alcohol Subst Abuse** 1986 Spring;5(3):29–49
Prevalence of polydrug use among alcoholic soldiers. Hawkins MR, et al. **Am J Drug Alcohol Abuse** 1985; 11(1–2):27–35
Prevalence and consequences of nonmedical use of drugs among Canadian Forces personnel: 1982. Lanphier CM, et al. **Am J Drug Alcohol Abuse** 1985;11(3–4):231–47
Psychoactive substance use among medical students. Maddux JF, et al. **Am J Psychiatry** 1986 Feb;143(2):187–91
The consequences in young adulthood of adolescent drug involvement. An overview. Kandel DB, et al. **Arch Gen Psychiatry** 1986 Aug;43(8):746–54
The drug abuse epidemic [editorial] Reagan N. **Aviat Space Environ Med** 1986 Mar;57(3):201–2
Non-medical drug use behaviour at five United States universities: a 15-year study. Dezelsky TL, et al. **Bull Narc** 1985 Apr–Sep;37(2–3):49–53
Consistencies in self-reported drug use among students in Ontario (Canada). Goodstadt MS, et al. **Bull Narc** 1985 Apr–Sep;37(2–3):55–65
Drug use among adolescents in Asturias (Spain). Hinojal Fonseca R, et al. **Bull Narc** 1985 Apr–Sep;37(2–3):43–8
Drug use among Nigerian university students: prevalence of self-reported use and attitudes to use. Nevadomsky JJ. **Bull Narc** 1985 Apr–Sep;37(2–3):31–42
Young people and the struggle against drug abuse in the Arab countries. Okasha A. **Bull Narc** 1985 Apr–Sep; 37(2–3):67–73
New trends in drug use among youth in California. Siegel RK. **Bull Narc** 1985 Apr–Sep;37(2–3):7–17
Alcohol and other drug use among Ontario students: an update. Smart RG, et al. **Can J Public Health** 1986 Jan–Feb; 77(1):57–8
The rising popularity of cocaine: how serious a problem? Katz S. **Can Med Assoc J** 1985 Oct 1;133(7):682–5
The use and abuse of licit drugs in rural families. Chambers CD, et al. **Chem Depend** 1982;4(3):153–65
Relative abuse of diazepam and oxazepam: prescription forgeries and theft/loss reports in Sweden. Bergman U, et al. **Drug Alcohol Depend** 1986 Feb;16(4):293–301
Use, indications and distribution in different countries of the stimulant and hallucinogenic amphetamine derivatives under consideration by WHO. Keup W. **Drug Alcohol Depend** 1986 Jun;17(2–3):169–92
Evidence of lack of abuse or dependence following pemoline treatment: results of a retrospective survey. Langer DH, et al. **Drug Alcohol Depend** 1986 Jun;17(2–3):213–27
A study of drug abuse in rural areas of Punjab (India). Mohan D, et al. **Drug Alcohol Depend** 1986 May;17(1):57–66
The drug problem in the Federal Republic of Germany. Müller B. **Drug Alcohol Depend** 1985 Aug;15(4):335–9
The viability of birth order studies in substance abuse research. Stagner BH. **Int J Addict** 1986 Mar;21(3):377–84
Substance abuse: a growing problem for adolescents. Greydanus DE. **Iowa Med** 1986 Mar;76(3):107–10
Drug use in an alternative high school. Beauvais F, et al. **J Drug Educ** 1986;16(1):43–50
Single and multiple patterns of adolescent substance use: longitudinal comparisons of four ethnic groups. Maddahian E, et al. **J Drug Educ** 1985;15(4):311–26
Frequency and sequence of drug use: a longitudinal study from early adolescence to young adulthood. Newcomb MD, et al. **J Drug Educ** 1986;16(2):101–20
Regional trends and sex differences of drug use and attitudes of high school students in Northeast Ohio 1977–1983. Pascale PJ, et al. **J Drug Educ** 1985;15(3):241–51
Adolescent drug use in three small rural communities in the Rocky Mountain region. Swaim R, et al. **J Drug Educ** 1986; 16(1):57–73
Solid dosage forms: 1975–1983. Franzosa ES. **J Forensic Sci** 1985 Oct;30(4):1194–205
Solvent use in North America: aspects of epidemiology, prevention and treatment. Smart RG. **J Psychoactive Drugs** 1986 Apr–Jun;18(2):87–96
Changing trends in solvent abuse in the north-east of Scotland. Anderson FR, et al. **J R Coll Gen Pract** 1985 Oct;35(279):476–7
"Tell me not in mournful numbers". Herz JA. **J Subst Abuse Treat** 1985;2(4):i–ii
Drug abuse in the Bahamas. Neville M, et al. **J Subst Abuse Treat** 1985;2(3):195–7
Alcohol abuse, other drug abuse, and mental disorders in medical practice. Prevalence, costs, recognition, and treatment. Kamerow DB, et al. **JAMA** 1986 Apr 18; 255(15):2054–7
Epidemic free-base cocaine abuse. Case study from the Bahamas. Jekel JF, et al. **Lancet** 1986 Mar 1;1(8479):459–62
Analgesic abuse [letter] Murray RM. **Lancet** 1971 Dec 4; 2(7736):1260–1
Doctors and drugs [editorial] Lewis DC. **N Engl J Med** 1986 Sep 25;315(13):826–8
Psychoactive drug use among practicing physicians and medical students. McAuliffe WE, et al. **N Engl J Med** 1986 Sep 25;315(13):805–10
The epidemiology of ipecac abuse [letter] Pope HG Jr, et al. **N Engl J Med** 1986 Jan 23;314(4):245–6
Cocaine use in America: epidemiologic and clinical perspectives. **Natl Inst Drug Abuse Res Monogr Ser** 1985; 61:1–226
A decade of trends in cocaine use in the household population. Abelson HI, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1985;61:35–49
Cocaine use in America: Introduction and overview. Adams EH, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1985; 61:1–7
Descriptive epidemiology of adult cocaine use in four U.S. communities. Anthony JC, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;67:283–9
Patterns and consequences of cocaine use. Chitwood DD. **Natl Inst Drug Abuse Res Monogr Ser** 1985;61:111–29
Gender differences in drug use: an epidemiological perspective. Clayton RR, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;65:80–99
Cocaine use in the United States: in a blizzard or just being snowed? Clayton RR. **Natl Inst Drug Abuse Res Monogr Ser** 1985;61:8–34
An overview of the clinical rationale for advancing gender-related psychopharmacology and drug abuse research. Hamilton JA. **Natl Inst Drug Abuse Res Monogr Ser** 1986;65:14–20
Cocaine use in young adulthood: patterns of use and psychosocial correlates. Kandel DB, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1985;61:76–110
Cocaine use among American adolescents and young adults. O'Malley PM, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1985;61:50–75
The 800-COCAINE helpline: survey of 500 callers. Washton AM, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984; 55:224–30
Month of hospitalization of left-handed substance abusers. London WP. **Neuropsychologia** 1986;24(3):455–6
Adolescents and substance abuse. Sanders JM Jr. **Pediatrics** 1985 Oct;76(4):630–2
Drug abuse and environment in youth. A study of a junior high school population in a county of Akershus, Norway. Lavik NJ, et al. **Soc Psychiatry** 1985;20(4):179–85
[Alcohol and drug consumption in students at the college level. A 1978–1984 comparison] Lamontagne Y, et al. **Union Med Can** 1985 Aug;114(8):652–7 (Eng. Abstr.) **(Fre)**
[Services for prevention, cure and rehabilitation of drug addiction in the Vercelli and Novara provinces] Furlan PM, et al. **Minerva Med** 1985 Dec 22;76(49–50):2303–14 (Eng. Abstr.) **(Ita)**
[Use and abuse of drugs. Statistics and findings on their consumption, especially of "restoratives", in Italy in 1983] Caramia G, et al. **Minerva Pediatr** 1985 Oct 15; 37(19):729–33 (Eng. Abstr.) **(Ita)**
[Medico-social study of cases treated for the abuse of alcoholic beverages and other drugs] Sarriá Amigot J, et al. **Rev Sanid Hig Publica (Madr)** 1985 Mar–Apr; 59(3–4):417–31 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Repeated administration of diazepam and triazolam to subjects with histories of drug abuse. Roache JD, et al. **Drug Alcohol Depend** 1986 May;17(1):15–29
A suicide attempt with digoxin. Hancock EW. **Hosp Pract [Off]** 1985 May 15;20(5):41, 44–5
Progress report from the Division of Behavioral Biology, the Johns Hopkins University School of Medicine. Griffiths RR, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986; 67:93–7
Brain–stimulation reward: a model for the neuronal bases for drug-induced euphoria. Kornetsky C. **Natl Inst Drug Abuse Res Monogr Ser** 1985;62:30–50
The use of event-related potentials in the study of alcoholism: implications for the study of drugs of abuse. Porjesz B, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1985;62:77–99
Methamphetamine: toxicity to dopaminergic neurons. Seiden LS. **Natl Inst Drug Abuse Res Monogr Ser** 1985;62:100–16
Substance abuse: clinical identification and management. Kulberg A. **Pediatr Clin North Am** 1986 Apr;33(2):325–61 (118 ref.)

PREVENTION & CONTROL

Alcohol and substance abuse: current issues of concern. Stimmel B. **Adv Alcohol Subst Abuse** 1986 Summer;5(4):1–7
Government hypocrisy on drugs [editorial] **Br Med J [Clin Res]** 1986 Mar 15;292(6522):712–3
Role of the International Youth Year (1985) in combating drug abuse problems. United Nations Secretariat. **Bull Narc** 1985 Apr–Sep;37(2–3):3–4
Recommendation from youth to youth: keep off the drugs. Endal D. **Bull Narc** 1985 Apr–Sep;37(2–3):169–75
Prevention of drug abuse by promoting mental health among school students. Gazmuri-Plaza C, et al. **Bull Narc** 1985 Apr–Sep;37(2–3):107–12
Measures to prevent and reduce drug abuse among young people in Burma. Khant U. **Bull Narc** 1985 Apr–Sep; 37(2–3):81–9
Drug demand reduction programmes for young people in Hong Kong. Ng HW. **Bull Narc** 1985 Apr–Sep; 37(2–3):91–7
For an overall approach to prevention: basic critical considerations. Rüegg F. **Bull Narc** 1985 Apr–Sep; 37(2–3):177–84
Recommendations for demand reduction of amphetamines. Streit F. **Chem Depend** 1980;4(1–2):135–43
Kids and drugs: why, when and what can we do about it. Jones CL, et al. **Child Today** 1986 May–Jun;15(3):5–10
Epidemiologic issues pertinent to international regulation of

28 stimulant-hallucinogen drugs. Anthony JC, et al. **Drug Alcohol Depend** 1986 Jun;17(2-3):193-211
Prevention of adolescent drug abuse. Battjes RJ. **Int J Addict** 1985 Jun-Jul;20(6-7):1113-34 (35 ref.)
The alternatives approach revisited: a biopsychological model and guidelines for application. Cook R. **Int J Addict** 1985 Sep;20(9):1399-419
Intervention models for adaptation in a world of chemicals: a values approach. Einstein S. **Int J Addict** 1985 May; 20(5):795-802
Aftercare in drug abuse treatment. Hawkins JD, et al. **Int J Addict** 1985 Jun-Jul;20(6-7):917-45 (104 ref.)
Enhancing the effectiveness of alcohol and substance abuse prevention programs for children. Krupka LF, et al. **Int J Addict** 1985 Sep;20(9):1435-42
Intervention and prevention of drug-taking behavior: a need for divergent approaches. Segal B. **Int J Addict** 1986 Feb; 21(2):165-73
Remembering reality: alcohol and drugs. Margolis G. **J Am Coll Health** 1986 Feb;34(4):192-3
Preventing substance abuse with children and adolescents. Schinke SP, et al. **J Consult Clin Psychol** 1985 Oct; 53(5):596-602
"SPECDA"--a comprehensive approach to the delivery of substance abuse prevention services in the New York City school system. Blotner R, et al. **J Drug Educ** 1986; 16(1):83-9
A history of drug and alcohol block grant funding and its effects on Pennsylvania's prevention services system. Brown PM. **J Drug Educ** 1986;16(1):13-25
Drug abuse prevention funding resulting from the Omnibus Budget Reconciliation Act of 1981. Bukoski WJ. **J Drug Educ** 1986;16(1):51-5
Using a stratified approach in substance intervention and prevention programs among adolescents: an empirical analysis. Selnow GW. **J Drug Educ** 1985;15(4):327-41
Evaluating prevention and intervention procedures. Sullivan AP, et al. **J Drug Educ** 1986;16(1):91-8
Measuring and interpreting school-based prevention outcomes: the New York City model. Sullivan AP, et al. **J Drug Educ** 1986;16(2):181-90
Effectiveness evaluation of smoking, drug, and alcohol education courses via actual relevant behavior (the smoking education curriculum MSACS as an illustrative case study). Zoller U, et al. **J Drug Educ** 1986;16(1):1-12
Evaluating the effects of parent groups on the correlates of adolescent substance abuse. Moskowitz JM. **J Psychoactive Drugs** 1985 Jul-Sep;17(3):173-8
Alcohol and drug misuse prevention programs for American Indians: needs and opportunities. May PA. **J Stud Alcohol** 1986 May;47(3):187-95
Drugs and contemporary youth. **Kans Med** 1986 Jun; 87(6):155, 181
Need for a scientific strategy to curb the epidemic of drug abuse in the United Kingdom. **Lancet** 1985 Oct 26; 2(8461):958
National campaign against drug abuse [editorial] Drew L. **Med J Aust** 1986 Mar 31;144(7):340
Future directions in drug abuse prevention research. Battjes RJ, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1985; 63:221-8
Overview of drug abuse prevention research. Bell CS, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1985;63:1-7
Personal and social skills training: cognitive-behavioral approaches to substance abuse prevention. Botvin GJ, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1985;63:8-49
Biological evaluation of compounds for their physical dependence potential and abuse liability. IX. Drug Testing Program of the Committee on Problems of Drug Dependence, Inc. (1985). Jacobson AE. **Natl Inst Drug Abuse Res Monogr Ser** 1986;67:385-98
OCAW objects to random drug testing [letter] Edwards DC. **Occup Health Saf** 1986 Apr;55(4):66
Comprehensive program increases supervisors' knowledge of drug abuse. Martin DW, et al. **Occup Health Saf** 1984 Nov-Dec;53(10):48-53
Prevention of adolescent smoking and drug use. Macdonald DI. **Pediatr Clin North Am** 1986 Aug;33(4):995-1005
Sex, drugs, rock 'n' roll: are solutions possible?--A commentary. Straburger VC. **Pediatrics** 1985 Oct;76(4 Pt 2):704-12
Cocaine: it costs too much [editorial] Macdonald DI. **Public Health Rep** 1986 Mar-Apr;101(2):121-2
[The health drama as drug prevention?] Deckart R. **Off Gesundheitswes** 1986 Apr;48(4):182-4 (Eng. Abstr.) (Ger)
[Role of the Pharmacological Society in the preveation of excessive drug use] Chodera A, et al. **Przegl Lek** 1986; 43(2):267-8 (Pol)

PSYCHOLOGY

Substance use by adolescent psychiatric inpatients and their patients. Klinge V, et al. **Adolescence** 1986 Summer; 21(82):323-31
Adolescent substance abuse. Thorne CR, et al. **Adolescence** 1985 Summer;20(78):335-47
High school polydrug users and abusers. Wright LS. **Adolescence** 1985 Winter;20(80):853-61
Adolescents' substance use: impact of ethnicity, income, and availability. Maddahian E, et al. **Adv Alcohol Subst Abuse** 1986 Spring;5(3):63-78
Factors associated with alcohol and substance abuse in women and children. Stimmel B. **Adv Alcohol Subst Abuse** 1986 Spring;5(3):1-8
Suicide attempt by drug overdose. Bouknight RR. **Am Fam Physician** 1986 Apr;33(4):137-42
Drug use, educational aspirations, and work force involvement: the transition from adolescence to young adulthood. Newcomb MD, et al. **Am J Community Psychol** 1986 Jun;14(3):303-21
Trends in drug use of Indian adolescents living on reservations: 1975-1983. Beauvais F, et al. **Am J Drug Alcohol Abuse** 1985;11(3-4):209-29
Case report of intranasal use of meperidine [letter] Tinsley JA, et al. **Am J Psychiatry** 1985 Dec;142(12):1513-4
Risk factors for drug use among adolescents: concurrent and longitudinal analyses. Newcomb MD, et al. **Am J Public Health** 1986 May;76(5):525-31
Abstinence symptomatology and psychiatric diagnosis in cocaine abusers. Clinical observations. Gawin FH, et al. **Arch Gen Psychiatry** 1986 Feb;43(2):107-13
An integrated value-expectancy theory of alcohol and other drug use. Hays R. **Br J Addict** 1985 Dec;80(4):379-84
Life-style and drug use habits among secondary school students. Calafat Far A, et al. **Bull Narc** 1985 Apr-Sep; 37(2-3):113-23
A contribution to the study of young people's attitudes towards drug use and users. Lebeer G, et al. **Bull Narc** 1985 Apr-Sep;37(2-3):99-106
Impairments and community adjustment of young adults: alcohol use, drug abuse and arrest. Kawaguchi R, et al. **Chem Depend** 1982;4(3):209-19
Sinemet "abusers"Nausieda PA. **Clin Neuropharmacol** 1985; 8(4):318-27
The frequency of nonnarcotic drug use and its relationship to criminal activity among narcotic addicts. Shaffer JW, et al. **Compr Psychiatry** 1985 Nov-Dec;26(6):558-66
Adolescent personality traits that predict young adult drug use. Smith GM. **Compr Ther** 1986 Feb;12(2):44-50
Attitudes of Nigerian medical students towards use and abuse of tobacco, alcohol and drugs. Attah Johnson FY. **Drug Alcohol Depend** 1985 Aug;15(4):323-34
Evaluation of mixtures of morphine and d-amphetamine for subjective and physiological effects. Jasinski DR, et al. **Drug Alcohol Depend** 1986 May;17(1):1-13
Personality and attitude correlates of psychosedative drug use. Khavari KA, et al. **Drug Alcohol Depend** 1985 Nov; 16(2):159-68
A causal analysis of early drug involvement in three inner-city neighborhood settings. Dembo R, et al. **Int J Addict** 1985 Aug;20(8):1213-37
Environmental setting and early drug involvement among inner-city junior high school youths. Dembo R, et al. **Int J Addict** 1985 Aug;20(8):1239-55
The ecology of drug use: considerations for intervention planning. Einstein S. **Int J Addict** 1985 Sep;20(9):1443-9
Confirmatory analyses of reasons for experiencing psychoactive drugs during adolescence. Segal B. **Int J Addict** 1985 Nov-Dec;20(11-12):1649-62
U.S. ethnic minorities and drug abuse: an assessment of the science and practice. Tucker MB. **Int J Addict** 1985 Jun-Jul;20(6-7):1021-47 (137 ref.)
Cognitive processes in adolescent drug use: the role of positivity bias and implications for prevention policy. Whaley AL. **Int J Addict** 1986 Mar;21(3):393-8
Enhanced interpretation of nonverbal cues in male cocaine abusers. Giannini AJ, et al. **Int J Psychiatry Med** 1985-86; 15(1):41-5
A case of abuse of syrup of ipecac resulting in death. Dawson JA, et al. **J Am Coll Health** 1986 Jun;34(6):280-2
Depression, self-derogation, substance use, and suicide ideation: lack of purpose in life as a mediational factor. Harlow LL, et al. **J Clin Psychol** 1986 Jan;42(1):5-21
Relation of personality to alcohol and drug use in adolescence. Labouvie EW, et al. **J Consult Clin Psychol** 1986 Jun;54(3):289-93
Development of self esteem as a function of familial reception. Guglielmo R, et al. **J Drug Educ** 1985; 15(3):277-84
Empirical identification of drug abuse prone individuals using interval banded profile analysis. Huba GJ, et al. **J Drug Educ** 1986;16(1):75-82
The impact of high school substance use on choice of young adult living environment and career direction. Newcomb MD, et al. **J Drug Educ** 1985;15(3):253-61
Self concept and drug use: thirteen propositions. Sullivan AP, et al. **J Drug Educ** 1985;15(3):273-5
Nuclear attitudes and reactions: associations with depression, drug use, and quality of life. Newcomb MD. **J Pers Soc Psychol** 1986 May;50(5):906-20
Multiple drug use: a symptomatic behavior. Kleinman PH, et al. **J Psychoactive Drugs** 1986 Apr-Jun;18(2):77-86
Seduction of the innocent: a clinical note on the effects of cartoons and comics on drug use. Siegel RK. **J Psychoactive Drugs** 1985 Jul-Sep;17(3):201-4
Substance use and ethnicity: differential impact of peer and adult models. Newcomb MD, et al. **J Psychol** 1986 Jan; 120(1):83-95
Formal vs informal group affiliations: implications for alcohol and drug use among adolescents. Selnow GW, et al. **J Stud Alcohol** 1986 Jan;47(1):48-52
Neuropsychological assessment of substance abusers: review and recommendations. Miller L. **J Subst Abuse Treat** 1985; 2(1):5-17 (61 ref.)
Losses and the substance abuser [letter] Smaldino A. **J Subst Abuse Treat** 1985;2(2):127
Psychological issues in the treatment of cocaine abuse. Resnick RB, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;67:290-4
Toward a psychopathology of totalitarian relationships. Pélicier Y. **Soc Psychiatry** 1986;21(3):105
How children and adolescents perceive alcohol and other drug abuse. **Stat Bull Metrop Insur Co** 1984 Apr-Jun; 65(2):16-21
[Position of teachers regarding alcoholism and other addictions in adolescents] Repetto A, et al. **Bol Of Sanit Panam** 1986 May;100(5):511-23 (Eng. Abstr.) (Spa)

REHABILITATION

The transition from drug use and crime to noninvolvement: a case study. Stuck MF, et al. **Adolescence** 1985 Fall; 20(79):669-79
Factors related to the treatment success of drug addicts enrolled in a residential rehabilitation facility. Federer MB, et al. **Adv Alcohol Subst Abuse** 1986 Summer;5(4):85-97
Doctors' drug abuse reduced during contingency-contracting treatment. Crowley TJ. **Alcohol Drug Res** 1985-86;6(4):299-307
Effects of community-based group-home treatment programs on male juvenile offenders' use and abuse of drugs and alcohol. Braukmann CJ, et al. **Am J Drug Alcohol Abuse** 1985;11(3-4):249-78
Interpersonal psychotherapy adapted for ambulatory cocaine abusers. Rounsaville BJ, et al. **Am J Drug Alcohol Abuse** 1985;11(3-4):171-91
Substance abusers seeking emergency psychiatric care: motivation to treatment. Kontaxakis V, et al. **Drug Alcohol Depend** 1985 Nov;16(2):185-9
Pattern and management of substance abuse at Aro Neuro-Psychiatric Hospital (1980-1982): a study in advance of the establishment of a special unit. Makanjuola JD, et al. **East Afr Med J** 1986 Apr;63(4):269-80
Drug abuse treatment process: a review of the literature. Allison M, et al. **Int J Addict** 1985 Sep;20(9):1321-45
Setting and counselor type as related to program retention. Brown BS, et al. **Int J Addict** 1985 May;20(5):723-36
Considering roles for beliefs, explainability, and obviousness in the planned treatment of drug misusers [editorial] Einstein S. **Int J Addict** 1985 Sep;20(9):iii-iv
The interface of drugs, genetics, and man. II. Treatment, education/training, and policy issues. Einstein S. **Int J Addict** 1985 Aug;20(8):1291-303
The effect of a contingent monetary reward on probation referrals to a drug abuse program. Hunsaker AC. **Int J Addict** 1985 Nov-Dec;20(11-12):1831-5
The clinical connection: drugs and crime. Leukefeld CG. **Int J Addict** 1985 Jun-Jul;20(6-7):1049-64 (37 ref.)
General and specific psychotherapy role induction with substance-abusing clients. Stark MJ, et al. **Int J Addict** 1985 Aug;20(8):1135-41
Patterns of cocaine use among methadone clients. Strug DL, et al. **Int J Addict** 1985 Aug;20(8):1163-75
The Alcohol and Drug Abuse Recovery Program of the C.F. Menninger Memorial Hospital. Conroy RW. **J Subst Abuse Treat** 1985;2(1):59-61
The physician's role. Treating alcohol and drug abuse. Porter S. **Ohio State Med J** 1986 Aug;82(8):516-8, 521
Treating multiple substance abuse clients. Carroll JF. **Recent Dev Alcohol** 1986;4:85-103

THERAPY

Impaired pharmacists: seek treatment [letter] **Am J Hosp Pharm** 1985 Oct;42(10):2142, 2144
Outpatient treatment of patients with substance abuse and coexisting psychiatric disorders. Kofoed L, et al. **Am J Psychiatry** 1986 Jul;143(7):867-72
Efficacy of gastric emptying: gastric lavage versus emesis induced with ipecac. Auerbach PS, et al. **Ann Emerg Med** 1986 Jun;15(6):692-8
Attitudes to drug abuse [editorial] Basson JV. **Br Med J [Clin Res]** 1986 Mar 29;292(6524):847-8
Use of psychiatric drug treatment services by heroin users from general practice. Bucknall AB, et al. **Br Med J [Clin Res]** 1986 Apr 12;292(6526):997-9
Findings of a national survey of the role of general practitioners in the treatment of opiate misuse: dealing with the opiate misuser. Glanz A. **Br Med J [Clin Res]** 1986 Aug 23;293(6545):486-8
Treating substance abusers: why therapists fail. Galanter M. **Hosp Community Psychiatry** 1986 Aug;37(8):769
Outpatient drug-abuse care: method of choice? Riffer J. **Hospitals** 1986 Aug 20;60(16):70
Three therapeutic communities for drug abusers: differences in treatment environments. Bell MD. **Int J Addict** 1985 Oct;20(10):1523-31
Treatment of adolescent drug abusers. Beschner GM, et al. **Int J Addict** 1985 Jun-Jul;20(6-7):971-93 (71 ref.)
Behavioral therapies for substance abuse. Childress AR, et al. **Int J Addict** 1985 Jun-Jul;20(6-7):947-69 (136 ref.)
The therapeutic community: status and evolution. De Leon G. **Int J Addict** 1985 Jun-Jul;20(6-7):823-44 (57 ref.)
Temporal aspects of substance use/misuse intervention. Einstein S. **Int J Addict** 1985 Oct;20(10):1591-4
Exploring the interface "demands" of drug use/misuse

intervention goals, technology, and sites. Einstein S. **Int J Addict** 1985 Oct;20(10):iii–vii

Family systems and family therapy of substance abuse: an overview of two decades of research and clinical experience. Kaufman E. **Int J Addict** 1985 Jun–Jul; 20(6–7):897–916 (82 ref.)

Female clients in substance abuse treatment. Marsh JC, et al. **Int J Addict** 1985 Jun–Jul;20(6–7):995–1019 (97 ref.)

Changes in self-perceptions of illicit drug abusers related to time in treatment in two residential treatment programs. Page RC, et al. **Int J Addict** 1985 Nov–Dec; 20(11–12):1741–50

A new perspective on intervention in heavy, chronic drug use. Spotts JV, et al. **Int J Addict** 1985 Oct;20(10):1545–65

Substance abuse problems in Iowa: coordinating our efforts. Ellis M. **Iowa Med** 1986 Mar;76(3):100–4

An out-patient treatment programme for adolescent substance abusers. Birmingham MS. **J Adolesc** 1986 Jun; 9(2):123–33

Conjoint versus one-person family therapy: further evidence for the effectiveness of conducting family therapy through one person with drug-abusing adolescents. Szapocznik J, et al. **J Consult Clin Psychol** 1986 Jun;54(3):395–7

Prediction to successful treatment outcome by client characteristics and retention in treatment in adolescent drug treatment programs: a large-scale cross validation study. Friedman AS, et al. **J Drug Educ** 1986;16(2):149–65

An alcohol and drug counselor training program: Hazelden foundation's trainee characteristics and outcomes. Laundergan JC, et al. **J Drug Educ** 1986;16(2):167–79

Changes in self-concept during therapeutic community treatment: a comparison of male and female drug abusers. Wheeler BL, et al. **J Drug Educ** 1986;16(2):191–6

Family therapy in a hospital setting: a model for time-limited treatment. Whitley MJ, et al. **J Psychoactive Drugs** 1986 Jan–Mar;18(1):61–4

Reducing the treatment drop out rate in drug abuse programs. Craig RJ. **J Subst Abuse Treat** 1985;2(4):209–19

AIDS and the substance abuse treatment clinician [editorial] Imhof J, et al. **J Subst Abuse Treat** 1985;2(3):137

Psychotherapeutic interventions with substance abusers—the clinical context. Khantzian EJ. **J Subst Abuse Treat** 1985; 2(2):83–8

Aversive therapies for substance abuse: do they work? McLellan AT, et al. **J Subst Abuse Treat** 1985;2(3):187–91 (30 ref.)

Making a difference [editorial] Patrick PK. **J Subst Abuse Treat** 1985;2(2):79–80

Group art therapy in a methadone clinic lobby. Virshup E. **J Subst Abuse Treat** 1985;2(3):153–8

Engaging the families of substance abusing adolescents in family therapy. Weidman AA. **J Subst Abuse Treat** 1985; 2(2):97–105

Characteristics of cocaine abusers presenting for treatment. Schnoll SH, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1985;61:171–81

Cocaine: treatment perspectives. Wesson DR, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1985;61:193–203

[Ambulatory treatment possibilities of alcoholics, drug abusers and drug addicts] Battegay R, et al. **Ther Umsch** 1986 Jan;43(1):56–62 (Eng. Abstr.) **(Ger)**

[Evaluation of The Occupational Committee against Alcoholism and Narcotic Addiction. Effects on economy and absenteeism in a large industrial plant] Faye-Lund P, et al. **Tidsskr Nor Laegeforen** 1985 Nov 20;105(32):2313–5 (Eng. Abstr.) **(Nor)**

TRENDS

Knowledge and experience of young people of drug abuse 1969–84. Wright JD, et al. **Br Med J [Clin Res]** 1986 Jan 18;292(6514):179–82

URINE

Optimization of a toxicology program. Chamberlain RT. **Clin Biochem** 1986 Apr;19(2):122–6

A thin layer chromatographic method for high volume screening of urine for methylphenidate abuse. Manno BR, et al. **J Anal Toxicol** 1986 May–Jun;10(3):116–9

Determination of benzoylecgonine in urine from drug abusers using ion pair high performance liquid chromatography. Svensson JO. **J Anal Toxicol** 1986 May–Jun;10(3):122–4

Improved qualitative method for establishing flunitrazepam abuse using urine samples and column liquid chromatography with fluorimetric detection. Weijers-Everhard JP, et al. **J Chromatogr** 1986 Jan 24; 374(2):339–46

[Methodology and problems in the study of drugs of abuse in urine] Sieghart W. **Wien Klin Wochenschr** 1986 Jun 27; 98(13):411–6 (Eng. Abstr.) **(Ger)**

SUBSTANCE DEPENDENCE

Special report: AMSAODD: plan for certification of members, 1985–1986. Bean-Bayog M, et al. **Alcoholism (NY)** 1985 Sep–Oct;9(5):390–2

Postgraduate certification in alcohol and drug dependence. Galanter M. **Alcoholism (NY)** 1985 Sep–Oct;9(5):387–9

Anticonvulsant effect of clonazepam in the dog: development of tolerance and physical dependence. Scherkl R, et al. **Arch Int Pharmacodyn Ther** 1985 Dec;278(2):249–60

The physical dependence liabilities of oxybutynin and morphine in rats. Algate DR, et al. **Arzneimittelforschung** 1985;35(10):1577–9

Physical dependence capacity of brotizolam in rhesus monkeys. 2nd communication: primary dependence and barbital substitution. Stockhaus K. **Arzneimittelforschung** 1986 Mar;36(3A):601–5

Physical dependence capacity of brotizolam in rhesus monkeys. 1st communication: primary dependence studies. Stockhaus K, et al. **Arzneimittelforschung** 1986 Mar; 36(3A):597–600

Why Körner is bad news for planning addiction services [editorial] Stimson G. **Br J Addict** 1986 Apr;81(2):165–7

Should general practitioners be informed of patients' convictions for drug offences? Neville RG. **Br Med J [Clin Res]** 1986 Jun 14;292(6535):1579–80

Iatrogenic addiction: the problem, its definition and history. Musto DF. **Bull NY Acad Med** 1985 Oct;61(8):694–705

Learning to deal with drug-dependent patients: one physician's reflections. Grosser N. **Can Med Assoc J** 1986 Jul 1;135(1):23–6

Adrenergic mechanisms of barbital dependence in mice. Germany A, et al. **Cell Mol Biol** 1985;31(5):369–71

Benzodiazepine abuse and dependence: an overview. Lader M. **Clin Neuropharmacol** 1985;8 Suppl 1:S123–5

Dependence potential of the benzodiazepines: use of animal models for assessment. Yanagita T. **Clin Neuropharmacol** 1985;8 Suppl 1:S118–22

Pharmacokinetic determinants of drug abuse and dependence. A conceptual perspective. Busto U, et al. **Clin Pharmacokinet** 1986 Mar–Apr;11(2):144–53 (63 ref.)

Papers presented at the Committee on Problems of Drug Dependence Symposium on Stimulants and Hallucinogens. June/September, 1984. **Drug Alcohol Depend** 1986 Jun; 17(2–3):105–298

A review of the effects of repeated administration of selected phenylethylamines. Woolverton WL. **Drug Alcohol Depend** 1986 Jun;17(2–3):143–50 (51 ref.)

Intravenous self-administration of (-)-cathinone and 2-amino-1-(2,5-dimethoxy-4-methyl)phenylpropane in rhesus monkeys. Yanagita T. **Drug Alcohol Depend** 1986 Jun;17(2–3):135–41

Comment: Addiction liability of benzodiazepines and buspirone [letter] Nelson RC. **Drug Intell Clin Pharm** 1986 Mar;20(3):233–4

Assessment of addiction liability of benzodiazepines and buspirone. Perry PJ. **Drug Intell Clin Pharm** 1985 Sep; 19(9):657–9

Studies on the development of physical dependence on barbitone in the rat and rat atrium. Arblaster CI, et al. **Farmaco [Sci]** 1986 Jan;41(1):3–22

Available benefits for chemical dependency. Porter PE. **J Am Vet Med Assoc** 1986 Jun 1;188(11):1269–70

Benzodiazepine dependence in mice after ingestion of drug-containing food pellets. Gallaher EJ, et al. **J Pharmacol Exp Ther** 1986 May;237(2):462–7

Effect of dosing frequency on the development of physical dependence and tolerance to pentobarbital. Okamoto M, et al. **J Pharmacol Exp Ther** 1986 Sep;238(3):1004–8

Drug dependency and the family. **J Psychoactive Drugs** 1986 Jan–Mar;18(1):1–75

Desensitization and coupled receptors: a model of drug dependence. Gero A. **J Theor Biol** 1985 Aug 21; 115(4):603–17

Selling syringes to drug addicts [letter] Andreyev HJ. **Lancet** 1985 Nov 23;2(8465):1192–3

Are homosexuals less at risk of AIDS than intravenous drug abusers and haemophiliacs? [letter] Fuchs D, et al. **Lancet** 1985 Nov 16;2(8464):1130

The looming cocaine problem in Australia [editorial] Pierce JP, et al. **Med J Aust** 1986 May 26;144(11):562–3

Over-reaction to drug dependence—a changing menace. Bewley T. **Med Leg J** 1985;53 (Pt 2):70–86

Problems of drug dependence, 1985. Proceedings of the 47th annual scientific meeting, The Committee on Problems of Drug Dependence, Inc. Baltimore, Maryland, June 1985. **Natl Inst Drug Abuse Res Monogr Ser** 1986;67:1–559

Problems of drug dependence 1984. Proceedings of the 46th annual scientific meeting, The Committee on Problems of Drug Dependence, Inc. **Natl Inst Drug Abuse Res Monogr Ser** 1984;55:1–426

Behavioral dependence in rhesus monkeys following chronic THC administration. Beardsley PM, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;55:111–7

Progress report from the NIDA Addiction Research Center (preclinical laboratory), Lexington, Kentucky (1984). Gorodetzky CW, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;55:52–8

New concepts in cocaine addiction: the dopamine depletion hypothesis. Dackis CA, et al. **Neurosci Biobehav Rev** 1985 Fall;9(3):469–77 (83 ref.)

Shadows on the image [editorial] Kelly LS. **Nurs Outlook** 1986 Sep–Oct;34(5):219

Primary care of parenteral substance abusers. Williams A. **Nurse Pract** 1986 Jun;11(6):17, 20, 25 passim

Physical dependence on clonazepam in dogs. Scherkl R, et al. **Pharmacology** 1986;32(1):18–24

Research on mental illness and addictive disorders [letter] Pincus HA. **Science** 1986 Apr 18;232(4748):307

Investigation of clonidine and lofexidine for the treatment of barbiturate withdrawal in mice. Siegel EG, et al. **Vet Hum Toxicol** 1985 Dec;27(6):503–5

WHO Expert Committee on Drug Dependence. Twenty-second report. **WHO Tech Rep Ser** 1985;729:1–31

[Survey of oral leukoplakia in those addicted to betelnuts on the Hainan Island] Lin FX. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 May;20(3):180–2 **(Chi)**

[Present status and trends in drug dependence] Jiang ZN. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1985 Jun; 18(3):181–4 (16 ref.) **(Chi)**

[Child abuse and neglect. Children of drug addicted parents] Merrick J, et al. **Ugeskr Laeger** 1985 Dec 16; 147(51):4227–30 (Eng. Abstr.) **(Dan)**

[Dependence and abstinence symptoms in the use of benzodiazepines] van Steenkiste M, et al. **Ned Tijdschr Geneeskd** 1986 Jul 5;130(27):1224–7 **(Dut)**

[Drug addiction in the psychiatric hospital] Husquinet H. **Rev Med Liege** 1986 Jun 1;41(11):495–6 **(Fre)**

[Analgesic effect, tolerance development and dependence potential of D-phenylalanine] Dove B, et al. **Pharmazie** 1985 Sep;40(9):648–50 (Eng. Abstr.) **(Ger)**

[Evaluation of driving ability in drug users] Haag M, et al. **Ther Umsch** 1985 Sep;42(9):617–23 (Eng. Abstr.) **(Ger)**

[Perinatal problems in the newborn of drug addicted mothers. Observations on 77 cases] Segni G, et al. **Minerva Pediatr** 1985 Nov 30;37(21–22):837–47 (Eng. Abstr.) **(Ita)**

[Use of alcohol and drugs during pregnancy. Effects of information during pregnancy] Meberg A, et al. **Tidsskr Nor Laegeforen** 1985 Nov 20;105(32):2285–8 (Eng. Abstr.) **(Nor)**

[Propoxyphene: physical dependence and poisoning] Dalgalarrondo P, et al. **Rev Paul Med** 1985 Sep–Oct; 103(5):245–8 (Eng. Abstr.) **(Por)**

[Effects of khat on health—a South Arabian stimulant with increasing consumption] Kristiansson B, et al. **Lakartidningen** 1985 Dec 27;82(52):4590–2 (Eng. Abstr.) **(Swe)**

BLOOD

Neuroendocrine findings in a chronic cocaine abusers: a preliminary report. Gawin FH, et al. **Br J Psychiatry** 1985 Nov;147:569–73

Increase of OKT4+ cells during treatment with thymostimulin in parenteral drug addicts with persistent generalized lymphadenopathy. Lazzarin A, et al. **J Clin Lab Immunol** 1986 Jun;20(2):57–61

Platelet serotonin transporter in cocaine patients. Dackis CA, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;55:164–9

Chronic naltrexone effect on cortisol. Kosten TR, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;67:362–5

CEREBROSPINAL FLUID

CSF endorphins in chronic opioid-dependent humans. O'Brien CP, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;67:373–80

COMPLICATIONS

Cranial electrotherapy stimulation as a treatment for anxiety in chemically dependent persons. Schmitt R, et al. **Alcoholism (NY)** 1986 Mar–Apr;10(2):158–60

Mitral valve prolapse and addictions. Stringer JC, et al. **Am J Cardiol** 1985 Nov 1;56(12):808–9

Alcoholism and methadone treatment: consequences for the patient and program. Joseph H, et al. **Am J Drug Alcohol Abuse** 1985;11(1–2):37–53

Brain stem mucormycosis in a narcotic addict with eventual recovery. Woods KF, et al. **Am J Med** 1986 Jan;80(1):126–8

Lorazepam dependence and chronic psychosis [letter] Fraser AA, et al. **Br J Psychiatry** 1985 Aug;147:211

Lack of correlation between fulminant form of viral hepatitis and retrovirus infection associated with the acquired immune deficiency syndrome (AIDS) in drug addicts. Amoroso P, et al. **Br Med J [Clin Res]** 1986 Feb 8; 292(6517):376–7

Clinical management of benzodiazepine dependence [letter] Rickels K. **Br Med J [Clin Res]** 1985 Dec 7;291(6509):1649

Anti-delta in drug addicts with HBsAg negative, anti-HBc and anti-HBs positive chronic hepatitis [letter] Rodriguez M, et al. **Hepatology** 1986 Jan–Feb;6(1):155–6

A sub-Q heroin and cocaine addict with chills, fever, and trismus. Palder SB, et al. **Hosp Pract [Off]** 1986 Sep 15; 21(9):48–52

Dependence on kaolin and morphine mixture, hypokalaemia and hypertension. Todd GR, et al. **Ir J Med Sci** 1985 Oct; 154(10):409–10

Treatment of depression in chronic cocaine and phencyclidine abuse with desipramine. Giannini AJ, et al. **J Clin Pharmacol** 1986 Mar;26(3):211–4

Sexual dysfunction secondary to cocaine abuse in two patients. Cocores JA, et al. **J Clin Psychiatry** 1986 Jul; 47(7):384–5

Chemical dependency in women. The link to OB/GYN problems. Busch D, et al. **J Psychosoc Nurs Ment Health Serv** 1986 Apr;24(4):26–30

Neuropsychological testing with alcoholics and drug addicts [letter] Griffin-Shelley E, et al. **J Subst Abuse Treat** 1986; 3(1):59–60

Diagnosing depression with the DST and TRH in cocaine and opioid abusers. Kosten TR. **J Subst Abuse Treat** 1986; 3(1):47–9

Infected femoral artery false aneurysms in drug addicts: evolution of selective vascular reconstruction. Reddy DJ,

et al. J Vasc Surg 1986 May;3(5):718–24
Rapid spread of HTLV–III infection among drug addicts in Italy [letter] Angarano G, et al. Lancet 1985 Dec 7; 2(8467):1302
A stage model of HTLV–III LAV infection in intravenous drug users. Des Jarlais DC, et al.
Natl Inst Drug Abuse Res Monogr Ser 1986;67:328–34
Drug dependence in pregnancy: intrapartum course and management. Silver H, et al.
Natl Inst Drug Abuse Res Monogr Ser 1986;67:300–6
Codeine cough mixture addiction mimicking thyrotoxicosis. Ong B, et al. Singapore Med J 1985 Oct;26(6):494–5
[Congestive cardiomyopathy in addiction to clobenzorex, an anorexigenic drug] Cornaert P, et al. Arch Mal Coeur 1986 Apr;79(4):515–8 (Eng. Abstr.) (Fre)
[Respiratory complications of drug addiction] Bouchoucha S, et al. Tunis Med 1985 Jun–Jul;63(6–7):373–5 (Eng. Abstr.) (Fre)
[HTLV–III serology, epidemiology and clinical aspects of imprisoned i.v. drug–dependent males in Austria] Pont J, et al. Wien Klin Wochenschr 1986 Jul 18;98(14):454–7 (Eng. Abstr.) (Ger)
[Severe pulmonary arterial hypertension in a drug–addict: etiopathogenetic considerations] Pannarale G, et al.
Cardiologia 1982;27(2):185–92 (Eng. Abstr.) (Ita)
[Prevalence of infections in drug addicts in Spain (letter)] Med Clin (Barc) 1985 Nov 9;85(15):644–5 (Spa)
[Acquired immune deficiency syndrome in poor countries: disseminated tuberculosis as opportunistic infection in drug addicts? (letter)] Aguado García M, et al.
Med Clin (Barc) 1986 Jan 25;86(3):132–3 (Spa)
[First case of acquired immune deficiency syndrome in a drug addict from Seville (letter)] de los Santos S, et al.
Med Clin (Barc) 1986 Jan 25;86(3):129 (Spa)
[Penetration of LAV/HTLV–III and infectious complications in parenteral drug addicts (letter)] Pachón J, et al. Med Clin (Barc) 1986 Jan 25;86(3):131 (Spa)
[Kaposi's sarcoma and disseminated toxoplasmosis in a drug addict with acquired immune deficiency syndrome (letter)] Sánchez–Román J, et al. Med Clin (Barc) 1986 Jun 21; 87(4):171–2 (Spa)
[Coagulase–negative Staphylococcus sacroiliitis in a drug addict (letter)] Collazos González J, et al. Rev Clin Esp 1986 Jun;179(1):55–6 (Spa)
[Valvular surgery of infectious endocarditis in drug addiction] González de Diego JF, et al.
Rev Esp Cardiol 1986 Jan–Feb;39(1):58–60 (Eng. Abstr.) (Spa)

DIAGNOSIS

Influence of pregnancy and child–rearing on amphetamine–addicted women. Five–year follow–up after delivery. Eriksson M, et al. Acta Psychiatr Scand 1986 Jun; 73(6):634–41
Problems with pethidine. Authentic case histories from Australian general practice. Colquhoun JP.
Aust Fam Physician 1985 Oct;14(10):1067
Risks incurred by children of drug–addicted women: some medical and legal aspects. Vaille C. Bull Narc 1985 Apr–Sep;37(2–3):149–56
Ergotamine tartrate dependency: features and possible mechanisms. Saper JR, et al. Clin Neuropharmacol 1986; 9(3):244–56
The identification of adolescent substance abuse by health care professionals. Singer M, et al. Int J Addict 1986 Feb; 21(2):247–54
Chemical dependency or Munchausen's syndrome [letter] Downing C, et al. J Am Dent Assoc 1986 Jun;112(6):806, 808
Chemical dependency: a concept of a primary disease with singular natural history. Dodd DT. J Tenn Med Assoc 1985 Oct;78(10):643–4
Contemporary drugs of abuse. Giannini AJ, et al.
Ohio State Med J 1986 Aug;82(8):505–15
The dental management of the drug–dependent patient. Friedlander AH, et al.
Oral Surg Oral Med Oral Pathol 1985 Nov;60(5):489–92
What is drug dependence? [editorial] Coper H.
Pharmacopsychiatry 1985 Nov;18(6):323–4
[Experimental tests for detecting substances that cause pathological habituation] Barkov NK.
Farmakol Toksikol 1986 Jan–Feb;49(1):87–92 (39 ref.) (Eng. Abstr.) (Rus)

DRUG THERAPY

The combined use of clonidine and naltrexone as a rapid, safe, and effective treatment of abrupt withdrawal from methadone. Charney DS, et al. Am J Psychiatry 1986 Jul; 143(7):831–7
Tourette syndrome and drug addiction [letter] Miller L.
Br J Psychiatry 1985 Nov;147:584–5
Treating addicts with methadone: a personal story. Emanuel E. Can Med Assoc J 1986 Mar 15;134(6):658–60
Bromocriptine treatment for cocaine abuse: the dopamine depletion hypothesis. Dackis CA, et al.
Int J Psychiatry Med 1985–86;15(2):125–35
Pharmacological approaches to cocaine addiction. Dackis CA, et al. J Subst Abuse Treat 1985;2(3):139–45 (46 ref.)
Three–choice discrimination in methadone maintenance patients: hydromorphone, naloxone, and saline. Preston KL, et al. Natl Inst Drug Abuse Res Monogr Ser 1984; 55:151–7
Withdrawal from nicotine dependence using mecamylamine: comparison of three–week and six–week dosage schedules. Tennant FS Jr, et al.
Natl Inst Drug Abuse Res Monogr Ser 1984;55:291–7
[Hospital emergencies in drug addiction. Analysis and interpretation of data recorded at 3 DEAs of the Turin area] Furlan PM, et al. Minerva Med 1986 Jan 14; 77(1–2):27–39 (Eng. Abstr.) (Ita)

ENZYMOLOGY

Inhibition of acid and alkaline phosphatases in the central nervous system of mice during morphine dependence development, withdrawal and naloxone administration. Sood PP, et al. Cell Mol Biol 1985;31(6):469–73
Acetylcholinesterase fluctuations in the brain of mice during morphine dependence development, withdrawal and naloxone induced withdrawal. Sood PP, et al.
Cell Mol Biol 1985;31(6):475–88

ETIOLOGY

Experimental studies and clinical experiences on the dependency potential of chlormethiazole. Stille G.
Acta Psychiatr Scand [Suppl] 1986;329:129–35
The problems with inducing methadone dependence [letter] Dean CE. Am J Psychiatry 1986 Jul;143(7):935–7
Limits of the self–medication hypothesis of addictive disorders [letter] Surman OS. Am J Psychiatry 1986 Aug; 143(8):1063–4
Clinical investigation on the development of dependence during oral therapy with tramadol. Richter W, et al.
Arzneimittelforschung 1985;35(11):1742–4
Patterns of benzodiazepine abuse and dependence. Busto U, et al. Br J Addict 1986 Feb;81(1):87–94
Darvon dependence: three case studies. Chard P.
Chem Depend 1980;4(1–2):65–70
A clinical approach to the impaired health professional. Smith DE, et al. Int J Addict 1985 May;20(5):713–22
Trihexyphenidyl dependence [letter] Appaya MP.
J Assoc Physicians India 1985 Dec;33(12):817, 819
Chronic imperceptible pain as a cause of addiction. Sullivan AP, et al. J Drug Educ 1985;15(4):381–6
Lorazepam–associated drug dependence [letter] Ross M.
J R Coll Gen Pract 1986 Feb;36(283):86
Physical dependence on nicotine in gum. A placebo substitution trial. Hughes JR, et al. JAMA 1986 Jun 20; 255(23):3277–9
[The biological basis of drug dependence. II. The benzodiazepines] Bobon D. Rev Med Liege 1986 Mar 1; 41(5):165–73 (Fre)
[Physical dependence in long–term benzodiazepine treatment] Schöpf J. Nervenarzt 1985 Nov;56(11):585–92 (Ger)
[The danger of developing drug dependence in adolescents] Wartmann B, et al. Psychiatr Neurol Med Psychol Beih 1977;22–23:196–201 (Eng. Abstr.) (Ger)
[Inhalants: solvent–containing products as intoxicating and addictive drugs] Altenkirch H.
Schriftenr Ver Wasser Boden Lufthyg 1985;65:481–92 (Ger)
[Role of the psychotropic effects of nicotine in shaping habituation for it in rats] Khodzhagel'diev T.
Biull Eksp Biol Med 1985 Dec;100(12):709–11 (Eng. Abstr.) (Rus)
[Molecular mechanisms of substance dependence (regulatory–structural relations)] Goriushkin II.
Zh Nevropatol Psikhiatr 1986;86(2):258–64 (Eng. Abstr.) (Rus)
[Benzodiazepine dependence and other long–term adverse effects—a review] Borg S, et al. Lakartidningen 1986 Jan 29;83(5):321–3, 326 (43 ref.) (Swe)

FAMILIAL & GENETIC

The interface of drugs, genetics, and man. Part I. Drug actions/effects, manner of use, organismic factors, and ethical issues and considerations. Einstein S.
Int J Addict 1985 May;20(5):771–82
The implications and limitations of genetic models of alcoholism and other addictions. Peele S.
J Stud Alcohol 1986 Jan;47(1):63–73

HISTORY

Morbid cravings: the emergence of addiction. Berridge V.
Br J Addict 1985 Sep;80(3):233–43
Social policy and drug dependence: an historical case study. Smart C. Drug Alcohol Depend 1985 Nov;16(2):169–80

IMMUNOLOGY

Prevalence of antibodies to HTLV–I, –II, and –III in intravenous drug abusers from an AIDS endemic region. Robert–Guroff M, et al. JAMA 1986 Jun 13;255(22):3133–7
HTLV–III antibodies in drug–addicted prostitutes used by US soldiers in Italy [letter] Tirelli U, et al. JAMA 1986 Aug 8;256(6):711–2
HTLV–III antibody in Edinburgh drug addicts [letter] Peutherer JF, et al. Lancet 1985 Nov 16;2(8464):1129–30
Antibody to LAV, the putative agent of AIDS, in parenteral drug abusers and methadone–maintained patients: therapeutic, historical, and ethical aspects. Novick DM, et al. Natl Inst Drug Abuse Res Monogr Ser 1986;67:318–20
[Increase in the prevalence of antibodies against LAV/HTLV III in drug addicts in West Germany] Zoulek G, et al. Dtsch Med Wochenschr 1986 Apr 11; 111(15):567–70 (Eng. Abstr.) (Ger)
[Subpopulations of circulating T–lymphocytes in parenteral drug addicts (letter)] Altés J, et al. Med Clin (Barc) 1986 Jul 12;87(6):260–1 (Spa)
[Immunity and drug addiction: immunologic situation in relation to the drug, HTLV–III infection and other associated infections] Asensi V, et al. Med Clin (Barc) 1986 Jan 25;86(3):105–9 (Eng. Abstr.) (Spa)
[Usefulness of the determination of anti–HTLV–III antibodies in parenteral drug addicts (letter)] Forteza–Rei J, et al. Med Clin (Barc) 1986 Apr 12;86(14):610 (Spa)
[Prevalence of antibodies against human T–lymphotropic virus type III (HTLV–III) in parenteral drug addicts in the Barcelona area] Muga R, et al. Med Clin (Barc) 1986 Jan 25;86(3):97–9 (Eng. Abstr.) (Spa)
[Changes in lymphocyte subpopulations in hospitalized drug addicts] Podzamczer D, et al. Med Clin (Barc) 1985 Sep 28;85(9):360–3 (Eng. Abstr.) (Spa)
[Human T–lymphotropic virus (HTLV–III) antibodies in intravenous drug addicts from the Valencia community] Rodrigo JM, et al. Med Clin (Barc) 1986 Jan 25;86(3):89–92 (Eng. Abstr.) (Spa)
[Changes in cellular immunity in parenteral drug addicts] Tor J, et al. Med Clin (Barc) 1986 Jan 25;86(3):93–6 (Eng. Abstr.) (Spa)
[Drug addiction and immunity] Trilla A, et al.
Med Clin (Barc) 1986 May 3;86(17):716–8 (Spa)
[Persistent polyadenopathy syndrome and immunity in parenteral drug addicts infected with HTLV–III] Asensi V, et al. Rev Clin Esp 1986 Mar;178(5):210–4 (Eng. Abstr.) (Spa)

METABOLISM

Cerebral alteration in calmodulin levels associated with the induction of physical dependence upon ethanol in rats. Pant HC, et al. Brain Res 1985 Sep 9;342(2):379–81
Toxicological studies in a Distalgesic addict. Roberts I, et al. Hum Toxicol 1986 May;5(3):207–10
Endogenous opiates, heroin addiction, and non–insulin–dependent diabetes. Giugliano D, et al.
Lancet 1985 Oct 5;2(8458):769–70
The effect of methadone addiction on cyclic nucleotide levels in regions of rat brain. Sadava D, et al. Life Sci 1986 Aug 4;39(5):477–81
Brain benzodiazepine binding sites in ethanol dependent and withdrawal states. Tamborska E, et al. Life Sci 1986 Feb 3;38(5):465–72
[3H]Spiperone binding in the rat striatum during the development of physical dependence on phencyclidine and after withdrawal. Spain JW, et al. Neurosci Lett 1985 Jul 4;58(1):67–72
[Metabolism of acetylcholine and gamma–aminobutyric acid in the basal ganglia and limbic cortex of rats at different stages in the development of alcohol dependence] Maslova IV, et al. Vopr Med Khim 1986 Jan–Feb;32(1):110–6 (Eng. Abstr.) (Rus)

MICROBIOLOGY

Antibodies to AIDS–associated retrovirus (HTLV–III/LAV) in drug addicts from Vizcaya, northern Spain. Merino F, et al. AIDS Res 1986 Spring;2(2):133–40
Epidemic of LAV/HTLV III infection in drug addicts in Milan: serological survey and clinical follow–up. Lazzarin A, et al. Infection 1985 Sep–Oct;13(5):216–8

MORTALITY

Mortality of patients dependent on benzodiazepines. Piesiur–Strehlow B, et al. Acta Psychiatr Scand 1986 Mar; 73(3):330–5
Drug and chemical related deaths: incidence in the State of Maryland—1975 to 1980. Caplan YH, et al.
J Forensic Sci 1985 Oct;30(4):1012–21
[Deaths among adolescents referred to institutions] Green J. Ugeskr Laeger 1986 May 26;148(22):1359–64 (Eng. Abstr.) (Dan)
[Considerations on suicide in substance dependence] Di Fiorino M, et al. Minerva Psichiatr 1985 Apr–Jun; 26(2):215–6 (Ita)

NURSING

Personalized nursing: an effective intervention model for use with drug–dependent women in an emergency room. Andersen MD. Int J Addict 1986 Jan;21(1):105–22

OCCURRENCE

History and current status of sedative–hypnotic drug use and abuse. Allgulander C. Acta Psychiatr Scand 1986 May; 73(5):465–78 (187 ref.)
Alcohol and drug addiction in northern Nigeria. Ifabumuyi OI. Acta Psychiatr Scand 1986 May;73(5):479–80
Prevalence of chemical dependency in hospitalized general psychiatric patients [letter] Meeks JE. Am J Psychiatry 1986 Jan;143(1):125–6
Notification of addicts and the medical practitioner: an evaluation of the system. Strang J, et al.
Br J Psychiatry 1985 Aug;147:195–8
The rising popularity of cocaine: how serious a problem?

Katz S. **Can Med Assoc J** 1985 Oct 1;133(7):682–5
Use, indications and distribution in different countries of the stimulant and hallucinogenic amphetamine derivatives under consideration by WHO. Keup W.
Drug Alcohol Depend 1986 Jun;17(2–3):169–92
Evidence of lack of abuse or dependence following pemoline treatment: results of a retrospective survey. Langer DH, et al. **Drug Alcohol Depend** 1986 Jun;17(2–3):213–27
Cocaine: an overview of current issues. Grabowski J, et al. **Int J Addict** 1985 Jun–Jul;20(6–7):1065–88 (86 ref.)
Frequency and sequence of drug use: a longitudinal study from early adolescence to young adulthood. Newcomb MD, et al. **J Drug Educ** 1986;16(2):101–20
Cocaine use in Kentucky. Stillner V, et al.
J Ky Med Assoc 1986 Jun;84(6):273–6
Prevalence of alcohol and other drug problems among physicians. Brewster JM. **JAMA** 1986 Apr 11; 255(14):1913–20
Crack [letter] Washton AM, et al. **JAMA** 1986 Aug 8; 256(6):711
Descriptive epidemiology of adult cocaine use in four U.S. communities. Anthony JC, et al.
Natl Inst Drug Abuse Res Monogr Ser 1986;67:283–9
[Data analysis of an epidemiological study of mental disorders, drug and alcoholic dependence and personality disorders] Chen CH.
Chung Hua Shen Ching Ching Shen Ko Tsa Chih 1986 Apr; 19(2):70–2 (Eng. Abstr.) (Chi)
[Differences between men and women with regard to dependence on addictive substances] Vinafová E.
Cesk Psychiatr 1985 Oct;81(5):326–32 (Eng. Abstr.) (Cze)
[Drug addiction in the Canton of Vaud: a look at data from the canton police] Haller E, et al. **Soz Praventivmed** 1985; 30(6):333–5 (Fre)

PHYSIOPATHOLOGY

Peripheral nerve conduction studies in passively addicted neonates. Doberczak TM, et al.
Arch Phys Med Rehabil 1986 Jan;67(1):4–6
Behavioural and chemical changes in mice during morphine dependence development, withdrawal and naloxone administration. Mohanakumar KP, et al. **Cell Mol Biol** 1985;31(6):463–8
Behavioral effects of selected opiates and phencyclidine in the nondependent and cyclazocine-dependent rhesus monkey. Bergman J, et al. **J Pharmacol Exp Ther** 1985 Nov;235(2):463–9
Effects of beta-funaltrexamine in normal and morphine-dependent rhesus monkeys: observational studies. Gmerek DE, et al. **J Pharmacol Exp Ther** 1985 Nov;235(2):296–301
Sex differences in the induction of physical dependence on pentobarbital in the rat. Suzuki T, et al.
Jpn J Pharmacol 1985 Dec;39(4):453–9
Kappa receptor mediated opioid dependence in rhesus monkeys. Gmerek DE, et al. **Life Sci** 1986 Sep 15; 39(11):987–92
Dependence studies of new compounds in the rhesus monkey, rat, and mouse (1985). Aceto MD, et al.
Natl Inst Drug Abuse Res Monogr Ser 1986;67:399–452
Major patterns of polydrug abuse among heroin addicts. Ball JC, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986; 67:256–62
Three-way drug discrimination in post-addict volunteers: hydromorphone, pentazocine, and saline. Bickel WK, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;67:177–83
Naloxone-precipitated withdrawal in humans after acute morphine administration. Bickel WK, et al.
Natl Inst Drug Abuse Res Monogr Ser 1986;67:349–54
Acute chlordiazepoxide dependence in the rat: comparisons to chronic. Bosse NR, et al.
Natl Inst Drug Abuse Res Monogr Ser 1986;67:197–201
Involvement of the ventral tegmental dopamine system in opioid and psychomotor stimulant reinforcement. Bozarth MA, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986; 67:190–6
Food deprivation produces persistent increases in self-administration behavior during cocaine extinction. Carroll ME. **Natl Inst Drug Abuse Res Monogr Ser** 1984; 55:125–31
Effects of cocaine on pregnancy outcome. Chasnoff IJ, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;67:335–41
Effects of b-FNA in drug-naive and morphine-dependent rhesus monkeys. Gmerek D, et al.
Natl Inst Drug Abuse Res Monogr Ser 1984;55:99–105
Human studies of the behavioral pharmacological determinants of nicotine dependence. Henningfield JE, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;67:54–65
Molecular mechanisms of opiate tolerance and dependence in a clonal cell line. Louie AK, et al.
Natl Inst Drug Abuse Res Monogr Ser 1985;62:117–28
Physical dependence of benzodiazepines in the rat and dog. Martin WR, et al.
Natl Inst Drug Abuse Res Monogr Ser 1986;67:202–8
Disparity in hemispheric and thalamic growth in infants undergoing abstinence. Pasto ME, et al.
Natl Inst Drug Abuse Res Monogr Ser 1986;67:342–8
A theory on the nature of physiologic opiate dependence: a formal statement. Villarreal JE, et al.
Natl Inst Drug Abuse Res Monogr Ser 1986;67:105–11
Physical dependence of a dermorphin tetrapeptide analog, [D-Arg2, Sar4]-dermorphin (1–4) in the rat. Nakata N, et al. **Pharmacol Biochem Behav** 1986 Jan;24(1):27–31
Role of pituitary and related neuropeptides in alcoholism and pharmacodependence. Van Ree JM.
Prog Neuropsychopharmacol Biol Psychiatry 1986; 10(2):219–28
Electrodermal activity, dental anxiety, and fear of dentistry in a group of parenteral drug addicts. Scheutz F.
Scand J Dent Res 1986 Jun;94(3):248–52
[Development of nicotine preference in C57Bl/6 and CBA mice] Khodzhagel'diev T. **Biull Eksp Biol Med** 1986 Jan; 101(1):48–50 (Eng. Abstr.) (Rus)

PREVENTION & CONTROL

Recommendations for demand reduction of amphetamines. Streit F. **Chem Depend** 1980;4(1–2):135–43
Epidemiologic issues pertinent to international regulation of 28 stimulant-hallucinogen drugs. Anthony JC, et al.
Drug Alcohol Depend 1986 Jun;17(2–3):193–211
Educational philosophy and practice: contributors to alcohol and drug dependence in Australia? Gay JE. **Hygie** 1986 Jun;5(2):47–9
Management of steroid-dependent asthma: with a special reference to children. Gupta SK.
Indian J Chest Dis Allied Sci 1984 Jul–Sep;26(3):167–73 (30 ref.)
The alternatives approach revisited: a biopsychological model and guidelines for application. Cook R.
Int J Addict 1985 Sep;20(9):1399–419
Intervention models for adaptation in a world of chemicals: a values approach. Einstein S. **Int J Addict** 1985 May; 20(5):795–802
Drug preventive education and rehabilitation programmes in Singapore. Ong Teck Hong. **Int J Rehabil Res** 1985; 8(3):313–20
Biological evaluation of compounds for their physical dependence potential and abuse liability. IX. Drug Testing Program of the Committee on Problems of Drug Dependence, Inc. (1985). Jacobson AE.
Natl Inst Drug Abuse Res Monogr Ser 1986;67:385–98
Employee drug use creates losses but proper policies can control it. Burmaster DR. **Occup Health Saf** 1985 Dec; 55(12):39–41
[The health drama as drug prevention?] Deckart R.
Off Gesundheitswes 1986 Apr;48(4):182–4 (Eng. Abstr.) (Ger)
[Prevention of drug addiction] Donatelli L. **Clin Ter** 1986 Feb 28;116(4):261–80 (Eng. Abstr.) (Ita)
[Prevention of social disadaptation and substance dependence in the army] Gigantino M. **Minerva Psichiatr** 1985 Apr–Jun; 26(2):201–3 (Ita)
[Drug addiction on a world-wide scale during the last 5 years in the light of the report of the International Committee for Narcotics Control] Tobolska-Rydz H. **Pol Tyg Lek** 1985 Dec 2;40(48):1358–60 (Pol)
[The disease of drug dependence] López-Ibor Aliño JJ.
Actas Luso Esp Neurol Psiquiatr Cienc Afines 1985 Nov–Dec;13(6):361–6 (Spa)
[Mental health promotion and the prevention of drug dependence among school children. Evaluation of an intervention stategy] Gazmuri C, et al. **Rev Med Chil** 1985 May;113(5):477–84 (Eng. Abstr.) (Spa)

PSYCHOLOGY

Simulation of gambling responses on the Addiction Research Center Inventory. Hickey JE, et al. **Addict Behav** 1986; 11(3):345–9
White Dragon Pearl syndrome: a female pattern of drug dependence. Smithberg N, et al.
Am J Drug Alcohol Abuse 1985;11(3–4):199–207
Understanding and preventing relapse. Brownell KD, et al. **Am Psychol** 1986 Jul;41(7):765–82 (93 ref.)
Young drug addicts and the drug scene. Lucchini R.
Bull Narc 1985 Apr–Sep;37(2–3):135–48
The role of food deprivation in the maintenance and reinstatement of cocaine-seeking behavior in rats. Carroll ME. **Drug Alcohol Depend** 1985 Nov;16(2):95–109
The ecology of drug use: considerations for intervention planning. Einstein S. **Int J Addict** 1985 Sep;20(9):1443–9
Drug preference as a function of arousal and stimulus screening. Kern MF, et al. **Int J Addict** 1986 Feb; 21(2):255–65
A test of nonrespondent bias in a family-based study: a research note. Needle R, et al. **Int J Addict** 1985 May; 20(5):763–9
16PF research into addiction: meta-analysis and extension. Tuite DR, et al. **Int J Addict** 1986 Mar;21(3):287–323
16PF items discriminating recidivists and long-term recovered polyaddicts. Tuite DR, et al. **Int J Addict** 1986 Mar;21(3):325–31
Chemical dependence and clinical depression in pregnancy. Burns K, et al. **J Clin Psychol** 1985 Nov;41(6):851–4
Masculinity-femininity scale of the MMPI and intellectual functioning of female addicts. Cernovsky Z.
J Clin Psychol 1986 Mar;42(2):310–2
Color preference and MMPI scores of alcohol and drug addicts. Cernovsky Z. **J Clin Psychol** 1986 Jul;42(4):663–8
Boundary inadequacy in drug dependent families. Coleman E, et al. **J Psychoactive Drugs** 1986 Jan–Mar;18(1):21–30
Codependency. Gierymski T, et al. **J Psychoactive Drugs** 1986 Jan–Mar;18(1):7–13
Drug dependency and the family. Nelson CE.
J Psychoactive Drugs 1986 Jan–Mar;18(1):1–5
Family environment: implications for sexual dysfunction and methaqualone dependence. TenHouten S.
J Psychoactive Drugs 1986 Jan–Mar;18(1):73–5
The impaired nurse. Caroselli-Karinja MF, et al.
J Psychosoc Nurs Ment Health Serv 1986 Jun;24(6):14–9
Nature and incidence of conditioned responses in a methadone population: a comparison of laboratory, clinic, and naturalistic settings. Childress AR, et al.
Natl Inst Drug Abuse Res Monogr Ser 1986;67:366–72
Abuse of cocaine with opioids: psychological aspects of treatment. Kosten TR, et al.
Natl Inst Drug Abuse Res Monogr Ser 1986;67:278–82
Use of nonnarcotic drugs by narcotic addicts. Nurco DN, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;67:295–9
Benzodiazepine dependence of several years duration: clinical profile and therapeutic benefits. Tennant FS Jr, et al.
Natl Inst Drug Abuse Res Monogr Ser 1984;55:211–6
On the general theory of addiction and the special complications of heroin. Kaplan CD.
Ned Tijdschr Geneeskd 1985 Dec 28;129(52):2486–8
Chemically dependent nurses: the trajectory toward self-annihilation. Hutchinson S. **Nurs Res** 1986 Jul–Aug; 35(4):196–201
MMPI and nightmare reports in women addicted to alcohol and other drugs. Cernovsky ZZ. **Percept Mot Skills** 1986 Jun;62(3):717–8
Opiate dependence and withdrawal—a new synthesis? Hendrie CA. **Pharmacol Biochem Behav** 1985 Nov; 23(5):863–70
Effects of angiotensin II on the acquisition of conditioned avoidance response in alcohol-dependent rats. Borawska M, et al. **Pol J Pharmacol Pharm** 1985 Nov–Dec; 37(6):903–8
The physician as an enabler of the chemically dependent patient. How to avoid the traps. Anderson RO.
Postgrad Med 1986 Jun;79(8):207–14 (14 ref.)
A dozen and two years of methaqualone: a case report. Slak S. **Psychol Rep** 1985 Dec;57(3 Pt 2):1097–8
Anxiety and dental fear in a group of parenteral drug addicts. Scheutz F. **Scand J Dent Res** 1986 Jun;94(3):241–7
Toward a psychopathology of totalitarian relationships. Pélicier Y. **Soc Psychiatry** 1986;21(3):105
Adolescent drug dependency and the family. Jenny L, et al. **Va Med** 1985 Nov;112(11):711–3, 715
Long day's journey into night: women and prescription drug abuse. Ogur B. **Women Health** 1986 Spring;11(1):99–115
[Alcohol and drug dependence in schizophrenic patients] Zeiler J. **Nervenarzt** 1985 Sep;56(9):506–9 (Ger)
[Children of a drug-dependent society] Heckmann W.
Off Gesundheitswes 1985 Sep;47(9):424–9 (Ger)
[Presentation of the self concept of drug-dependent patients in their personal records] Kunz D, et al.
Prax Kinderpsychol Kinderpsychiatr 1985 Aug–Sep; 34(6):219–25 (Eng. Abstr.) (Ger)
[Psychodynamics aspects of drug addiction] Cogo E, et al.
Minerva Med 1986 May 31;77(22–23):1017–22 (Eng. Abstr.) (Ita)
[Juvenile drug addiction. A study on the typology of drug addicts and their families] Cancrini L, et al.
Recenti Prog Med 1985 Oct;76(10):491–8 (Eng. Abstr.) (Ita)

REHABILITATION

Rhode Island's contract for employee assistance. Hall LJ.
Am J Nurs 1986 Jun;86(6):690
Spotlight on support for impaired nurses. Penny JT.
Am J Nurs 1986 Jun;86(6):688–91
Management of benzodiazepine dependence—update 1986. Lader MH, et al. **Br J Addict** 1986 Feb;81(1):7–10
The processes of referral and disposal within a London drug dependence clinic. Love J, et al. **Br J Addict** 1985 Dec; 80(4):435–40
Drug addiction among young people: a study of typology and its relevance to treatment programmes. Cancrini L, et al. **Bull Narc** 1985 Apr–Sep;37(2–3):125–33
Hospital-sponsored chemical dependency self-help groups. Collins GB, et al. **Hosp Community Psychiatry** 1985 Dec; 36(12):1315–7
Relapse: some issues to consider for intervention planning. Einstein S. **Int J Addict** 1985 Aug;20(8):iii–vi
Alternative treatments for withdrawing the long-term benzodiazepine user: a pilot study. Nathan RG, et al.
Int J Addict 1986 Feb;21(2):195–211
Client well-being in drug treatment: a social ecological analysis. Ruffing-Rahal MA. **Int J Addict** 1985 Sep; 20(9):1305–20
Edwards Personal Preference Schedule correlates of addiction counselor effectiveness. Thrower JH, et al.
Int J Addict 1986 Feb;21(2):191–3
Comparative review of reporting and registration legislation for treatment of drug and alcohol dependent persons. Porter L, et al. **Int J Law Psychiatry** 1986;8(2):217–27
Eagleville Hospital. Eagleville, Pennsylvania.
J Subst Abuse Treat 1986;3(1):51–2
Veritas Villa. **J Subst Abuse Treat** 1985;2(3):193–4
The Austin Family House Program. Brow J.
J Subst Abuse Treat 1985;2(1):63–7
Preserving the character of Vermont for the good of the citizenry. DePierro K. **J Subst Abuse Treat** 1985;2(1):35–9
Cocaine plasma concentrations in persons admitted to

outpatient treatment: relationship to treatment outcome. Tennant FS Jr, et al. **J Subst Abuse Treat** 1986;3(1):27–32
Clinical investigations of drug effects in women. Mendelson JH, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986; 65:21–30 (53 ref.)
Cocaine treatment outcome: cocaine use following inpatient, outpatient, and no treatment. Rawson RA, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;67:271–7
Double-blind comparison of desipramine and placebo for treatment of phencyclidine or amphetamine dependence. Tennant FS Jr, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;67:310–7
Treatment of cocaine abuse. Washton AM. **Natl Inst Drug Abuse Res Monogr Ser** 1986;67:263–70
Treatment outcome in cocaine abusers. Washton AM, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;67:381–4
How effective is LAAM treatment? Clinical comparison with methadone. Zangwell BC, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;67:249–55
The physician's role. Treating alcohol and drug abuse. Porter S. **Ohio State Med J** 1986 Aug;82(8):516–8, 521
Treating impaired physicians: fourteen keys to success. Talbott GD, et al. **Va Med** 1986 Feb;113(2):95–9
[Changes in psychological status after relaxation technics in patients treated at the alcoholism rehabilitation department. Comparison with persons with higher and lower degrees of neuroticism] Nelpor K, et al. **Cesk Psychiatr** 1985 Oct; 81(5):314–9 (Eng. Abstr.) (Cze)
[Commitment prerequisites according to paragraph 64 of the German penal code] Rasch W. **Psychiatr Prax** 1986 May; 13(3):81–7 (Eng. Abstr.) (Ger)

THERAPY

Alcoholics and drug addicts at the emergency room of the hospital. Analysis of the staff behavior and patients' progressions. Corten P, et al. **Acta Psychiatr Belg** 1986 Mar–Apr;86(2):103–10
A 2.5-year follow-up of depression, life crises, and treatment effects on abstinence among opioid addicts. Kosten TR, et al. **Arch Gen Psychiatry** 1986 Aug;43(8):733–8
Prognostic significance of psychopathology in treated opiate addicts. A 2.5-year follow-up study. Rounsaville BJ, et al. **Arch Gen Psychiatry** 1986 Aug;43(8):739–45
Dependent doctors [letter] Gilby P. **Aust Fam Physician** 1986 Apr;15(4):382
Clinical management of benzodiazepine dependence. Higgitt AC, et al. **Br Med J [Clin Res]** 1985 Sep 14; 291(6497):688–90
More treatment centres responding to growing cocaine use. Korcok M. **Can Med Assoc J** 1986 Feb 15;134(4):415–8
Treatment of triazolam dependence with a tapering withdrawal regimen. Singh AN, et al. **Can Med Assoc J** 1986 Feb 1;134(3):243–5
Sedative/hypnotic dependence: patient etabilization, tolerance testing, and withdrawal. Perry PJ, et al. **Drug Intell Clin Pharm** 1986 Jul–Aug;20(7–8):532–7
Pills + hostility: Rx for drug dependency. Ogur B. **Hosp Pract [Off]** 1986 Jun 15;21(6):110DD–110FF,110HH
The effects of marathon groups on the ways illicit drug users perceive counseling. Page RC. **Int J Addict** 1985 Nov–Dec; 20(11–12):1675–84
Substance abuse problems in Iowa: coordinating our efforts. Ellis M. **Iowa Med** 1986 Mar;76(3):100–4
Treatment of chemical dependency: a new field for physicians. Haugland SM, et al. **Iowa Med** 1986 Mar; 76(3):115–7
Adolescent chemical dependency programs: meeting the need? [interview] Tapscott J. **Iowa Med** 1986 Mar; 76(3):98–9, 137
Some implications of transference and countertransference in the treatment of dependence. Arroyave F. **J Anal Psychol** 1986 Jul;31(3):199–206
Drug treatment in New Jersey (and elsewhere?): in search of a paradigm. Biersbach RM. **J Drug Educ** 1985; 15(4):387–96
Preparing a family for intervention. Caldwell J. **J Psychoactive Drugs** 1986 Jan–Mar;18(1):57–9
Sabotaging siblings: an overlooked aspect of family therapy with drug dependent adolescents. Huberty DJ, et al. **J Psychoactive Drugs** 1986 Jan–Mar;18(1):31–41
A workable system of family therapy for drug dependence. Kaufman E. **J Psychoactive Drugs** 1986 Jan–Mar; 18(1):43–50
Treatment-related change in sex roles of addicted men and women. Douglas JJ, et al. **J Stud Alcohol** 1986 May; 47(3):201–6
Considerations on the evaluation and treatment of substance dependency. Gitlow SE. **J Subst Abuse Treat** 1985; 2(3):175–9
Clinical decision making in chemical dependence treatment: a programmatic model. Giuliani D, et al. **J Subst Abuse Treat** 1985;2(4):203–8
Where are we going now? [editorial] Hayden JW. **J Subst Abuse Treat** 1985;2(1):1–2
Gradual vs. abrupt withdrawal of methylphenidate in two older dependent males. Keeley KA, et al. **J Subst Abuse Treat** 1985;2(2):123–5
Relevance of Ericksonian psychotherapy to the treatment of chemical dependency. McGarty R. **J Subst Abuse Treat** 1985;2(3):147–51
Diary writing as a means to increased self-evaluation. Neumann JK. **J Subst Abuse Treat** 1985;2(4):221–3
What treatment for addiction can do and what it can't; what treatment for addiction should do and what it shouldn't. Peele S. **J Subst Abuse Treat** 1985;2(4):225–8
Classics revisited. The Discovery of Addiction: Levine and the philosophical foundations of drug abuse treatment. Shaffer HJ. **J Subst Abuse Treat** 1985;2(1):41–57
Denial and split identity: timely issues in the psychoanalytic psychotherapy of compulsive drug users. Wurmser L. **J Subst Abuse Treat** 1985;2(2):89–96
Prison medical care for addicts [letter] Glatt MM. **Lancet** 1985 Nov 23;2(8465):1193
Cognitive-behavioural treatment for benzodiazepine dependence [letter] Sanchez-Craig M, et al. **Lancet** 1986 Feb 15;1(8477):388
Alcohol and drug use in pregnancy: a case for management. Mullins CL, et al. **Md Med J** 1985 Oct;34(10):991–6
Treatment of benzodiazepine dependence. Lennane KJ. **Med J Aust** 1986 May 26;144(11):594–7 (39 ref.)
The addiction severity index in three different populations. McLellan AT, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;55:217–23
Not enough is enough. The physician who is dependent on alcohol and other drugs [editorial] Harris BA. **NY State J Med** 1986 Jan;86(1):2–3
Addictionology: why medicine needs this newest specialty. Kennedy WJ. **Ohio State Med J** 1986 Aug;82(8):491, 493
Management of benzodiazepine dependence. Moodley P, et al. **S Afr Med J** 1986 Apr 26;69(9):563–4
[Treatment of chronic alcoholism and other addictions] von Keyserlingk H. **Psychiatr Neurol Med Psychol Beih** 1966; 4–5:203–22 (Ger)
[Ambulatory treatment possibilities of alcoholics, drug abusers and drug addicts] Battegay R, et al. **Ther Umsch** 1986 Jan;43(1):56–62 (Eng. Abstr.) (Ger)
[Possibilities for intervention in various personality disorders. Prospects and limits] Pannarale A, et al. **Minerva Psichiatr** 1985 Oct–Dec;26(4):317–22 (Eng. Abstr.) (Ita)
[Relational perspective in a district service for the substance-dependent] Solito E, et al. **Minerva Psichiatr** 1985 Jul–Sep;26(3):267–9 (Ita)
[The therapeutic approach to drug addicts] Bucher RE, et al. **Acta Psiquiatr Psicol Am Lat** 1985 Jun;31(2):113–30 (Eng. Abstr.) (Por)

URINE

Drug addicts and renal lesions. Sommer GL, et al. **Drug Alcohol Depend** 1985 Dec;16(3):287–9
[Methodology and problems in the study of drugs of abuse in urine] Sieghart W. **Wien Klin Wochenschr** 1986 Jun 27; 98(13):411–6 (Eng. Abstr.) (Ger)

SUBSTANCE P

Self-association and solubility of peptides: solvent-titration study of N alpha-protected C-terminal sequences of substance P. Toniolo C, et al. **Biopolymers** 1986 Feb; 25(2):281–9
Preferential conformation of substance P in solution. Chassaing G, et al. **Eur J Biochem** 1986 Jan 2;154(1):77–85
Conformationally restricted C-terminal peptides of substance P. Synthesis, mass spectral analysis and pharmacological properties. Theodoropoulos D, et al. **J Med Chem** 1985 Oct;28(10):1536–9

ADMINISTRATION & DOSAGE

Evidence for a modulatory influence of centrally administered substance P on a 5-hydroxytryptamine-mediated behavioural response in the male rat. Ogren SO, et al. **Acta Physiol Scand** 1985 Dec;125(4):743–5
Histamine involvement in the local and systemic microvascular effects produced by intradermal substance P. Woodward DF, et al. **Agents Actions** 1985 Dec; 17(2):126–30
Effect of luminally administered serotonin and substance P on jejunal handling of water and electrolytes. McFadden D, et al. **Am J Surg** 1986 Jan;151(1):81–6
Arterial blood pressure response in conscious rabbits to administration of C-terminal fragment of substance P into the cerebral ventricles, intravenously and intragastrically. Meltzer B, et al. **Arzneimittelforschung** 1985;35(9):1374–7

ANALOGS & DERIVATIVES

Design and synthesis of antagonists of substance P. Folkers K, et al. **Acta Chem Scand [B]** 1986 Apr;40(4):295–302
Blockade of substance P receptors inhibits non-nicotinic, non-adrenergic colonic contractions induced by stimulation of the lumbar sympathetic nerves to the feline large intestine. Fändriks L, et al. **Acta Physiol Scand** 1985 Aug;124(4):565–71
Amidase-like activity of calpain I and calpain II on substance P and its related peptides. Hatanaka M, et al. **Arch Biochem Biophys** 1985 Nov 1;242(2):557–62
A substance P antagonist also inhibits specific binding and mitogenic effects of vasopressin and bombesin-related peptides in Swiss 3T3 cells. Zachary I, et al. **Biochem Biophys Res Commun** 1986 May 29;137(1):135–41
A peptide that inhibits the mitogenic stimulation of Swiss 3T3 cells by bombesin or vasopressin. Corps AN, et al. **Biochem J** 1985 Nov 1;231(3):781–4
An examination of the pharmacology of two substance P antagonists and the evidence for tachykinin receptor subtypes. Bailey SJ, et al. **Br J Pharmacol** 1986 Jan; 87(1):79–85
Specific recognition of SP or NKB receptors by analogues of SP substituted at positions 8 and 9. Lavielle S, et al. **Eur J Pharmacol** 1986 Jun 24;125(3):461–2
Effects of the substance P antagonist [D-Arg1,D-Pro2,D-Trp7,9,Leu11]SP on miosis caused by echothiophate iodide or pilocarpine hydrochloride. Mandahl A. **Eur J Pharmacol** 1985 Aug 15;114(2):121–7
Behavioural and antinociceptive effects of intrathecally injected substance P analogues in mice. Post C, et al. **Eur J Pharmacol** 1985 Jul 31;113(3):335–43
Thyrotropin-releasing hormone (TRH) counteracts neuronal damage induced by a substance P antagonist. Freedman J, et al. **Exp Brain Res** 1986;62(1):175–8
Hypotensive activity of histidine-containing analogues of C-terminal hexapeptide of substance P. Janecka A, et al. **Experientia** 1986 Apr 15;42(4):417–8
Characterization of a neurokinin B receptor site in rat brain using a highly selective radioligand. Laufer R, et al. **J Biol Chem** 1986 Aug 5;261(22):10257–63
Ketomethylene pseudopeptide analogues of substance P: synthesis and biological activity. Ewenson A, et al. **J Med Chem** 1986 Feb;29(2):295–9
Intraseptal microinjections of substance P and analogs potentiate pentobarbital-induced narcosis and depression of hippocampal cholinergic activity. Zucker JR, et al. **J Pharmacol Exp Ther** 1985 Nov;235(2):398–401
Pyridoxal-5'-phosphate derivatives of substance P: preparation, spasmogenic activity, and degradation by human plasma. Akopyan T, et al. **Neurochem Res** 1986 Jan; 11(1):47–53
Intrathecal substance P analogue causes motor dysfunction in the rat. Matsumura H, et al. **Neuropharmacology** 1985 Aug;24(8):811–3
Antagonism of non-cholinergic excitatory junction potentials in the guinea-pig ileum by a substance P analogue antagonist. Taylor GS, et al. **Neurosci Lett** 1986 Jan 2; 63(1):23–6
The mast cell response to substance P: effects of neuraminidase, limulin, and some novel synthetic peptide antagonists. Coleman JW, et al. **Peptides** 1986 Mar–Apr; 7(2):171–5
Spantide: failure to antagonize bombesin-induced stimulation of gastrin secretion in dogs. Pappas T, et al. **Peptides** 1985 Sep–Oct;6(5):1001–3
[Substance P. New cyclic analogs] Mutulis FK, et al. **Bioorg Khim** 1985 Sep;11(9):1276–8 (Eng. Abstr.) (Rus)

ANALYSIS

Substance P and vasoactive intestinal peptide in bullous and inflammatory skin disease. Wallengren J, et al. **Acta Derm Venereol (Stockh)** 1986;66(1):23–8
The substance P innervation of the rat hippocampal region. Davies S, et al. **Anat Embryol (Berl)** 1985;173(1):45–52
Nerve fibers in the urethral mucosa of canine penis are immunoreactive for both substance P and calcitonin gene-related peptide. Iwanaga T, et al. **Arch Histol Jpn** 1985 Dec;48(5):547–52
Localization of substance P- and enkephalin-like immunoreactivity in the human paravertebral sympathetic ganglia. Del Fiacco M, et al. **Basic Appl Histochem** 1985; 29(4):309–20
Evidence for the existence of substance P in the prepubertal rat ovary. II. Immunocytochemical localization. Dees WL, et al. **Biol Reprod** 1985 Sep;33(2):471–6
Regeneration of primary afferent neurons containing substance P-like immunoreactivity. Bisby MA, et al. **Brain Res** 1986 Feb 12;365(1):85–95
Cholecystokinin and substance P concentrations in discrete areas of the rat brain: sex differences. Frankfurt M, et al. **Brain Res** 1985 Dec 9;358(1–2):53–8
Neuropeptides in cerebral cortex of macaque monkey (Macaca fuscata fuscata): regional distribution and ontogeny. Hayashi M, et al. **Brain Res** 1986 Feb 5; 364(2):360–8
Coexistence of pancreatic polypeptide and substance P in the chicken retina. Katayama-Kumoi Y, et al. **Brain Res** 1985 Dec 30;361(1–2):25–35
Innervation of substance P neurons by catecholaminergic terminals in the neostriatum. Kubota Y, et al. **Brain Res** 1986 Jun 4;375(1):163–7
The localization and characterization of substance P and substance K in striatonigral neurons. Lee JM, et al. **Brain Res** 1986 Apr 16;371(1):152–4
Comparison of the substance P- and dynorphin-containing projections to the substantia nigra: a radioimmunocytochemical and biochemical study. McLean S, et al. **Brain Res** 1985 Dec 30;361(1–2):185–92
A substance P-containing hypothalamic neuronal system projects to the median eminence. Makara GB, et al. **Brain Res** 1986 May 28;374(2):399–401
Ultrastructural observation of nerve fibers containing both substance P and calcitonin gene-related peptide in the nucleus tractus solitarii of the rat: a combination of immunofluorescence and PAP methods. Morishima Y, et al. **Brain Res** 1986 Jul 30;379(1):157–61
Regional distribution of substance P, neurokinin alpha and neurokinin beta in rat spinal cord, nerve roots and dorsal root ganglia, and the effects of dorsal root section or spinal

transection. Ogawa T, et al. **Brain Res** 1985 Dec 16; 359(1–2):152–7

Distribution of substance K (neurokinin A) in the brain and peripheral tissues of rats. Takano Y, et al. **Brain Res** 1986 Mar 26;369(1–2):400–4

Distribution and origin of substance P- and neuropeptide Y-immunoreactive nerves in the guinea-pig heart. Dalsgaard CJ, et al. **Cell Tissue Res** 1986;243(3):477–85

Ultrastructure and localization of substance P and met-enkephalin immunoreactivity in the human fetal gastric antrum. Kapadia SE, et al. **Cell Tissue Res** 1986; 243(2):289–97

Comparative distribution of neuropeptide tyrosine-, vasoactive intestinal polypeptide-, substance P-immunoreactive, acetylcholinesterase-positive and noradrenergic nerves in the reproductive tract of the female rat. Papka RE, et al. **Cell Tissue Res** 1985;242(3):475–90

Immunochemical evidence for substance P-like peptide in tissues of the earthworm Lumbricus terrestris: action on intestinal contraction. Kaloustian KV, et al. **Comp Biochem Physiol [C]** 1986;83(2):329–33

Localization of a substance P-like material in the central and peripheral nervous system of the snail Helix aspersa. Boyd PJ, et al. **Histochemistry** 1986;84(1):97–103

Three dimensional observation of the nerve fibers along the cerebral blood vessels. Itakura T, et al. **Histochemistry** 1986;84(3):217–20

Early development of tyrosine hydroxylase-like and substance P-like immunoreactivity in the human fetal retina. Nguyen-Legros J, et al. **Hum Neurobiol** 1986; 5(2):115–20

Vasoactive intestinal polypeptide and substance P in primary afferent pathways to the sacral spinal cord of the cat. Kawatani M, et al. **J Comp Neurol** 1985 Nov 15; 241(3):327–47

Immunohistochemical distribution of substance P, serotonin, and methionine enkephalin in sexually dimorphic nuclei of the rat lumbar spinal cord. Micevych PE, et al. **J Comp Neurol** 1986 Jun 8;248(2):235–44

A study of the substance P innervation of the intermediate zone of the thoracolumbar spinal cord. Oldfield BJ, et al. **J Comp Neurol** 1985 Jun 1;236(1):127–40

Inter- and intracellular relationship of substance P-containing neurons with serotonin and GABA in the dorsal raphe nucleus: combination of autoradiographic and immunocytochemical techniques. Mágoul R, et al. **J Histochem Cytochem** 1986 Jun;34(6):735–42

Characterization of an immunofluorescence technique for the demonstration of coexisting neurotransmitters within nerve fibers and terminals. Wessendorf MW, et al. **J Histochem Cytochem** 1985 Oct;33(10):984–94

Regional distribution of immunoreactive-thyrotrophin-releasing hormone and substance P, and indoleamines in human spinal cord. Bennett GW, et al. **J Neurochem** 1986 Jun;46(6):1718–24

Ultrastructural evidence for the coexistence of calcitonin gene-related peptide and substance P in secretory vesicles of peripheral nerves in the guinea pig. Gulbenkian S, et al. **J Neurocytol** 1986 Aug;15(4):535–42

Enzyme-linked immunosorbent assay of substance P and its metabolite SP 1–7. A comparison with RIA. Folkesson R, et al. **J Neurosci Methods** 1985 Aug;14(3):169–76

Peptidergic innervation in infantile hypertrophic pyloric stenosis. Malmfors G, et al. **J Pediatr Surg** 1986 Apr; 21(4):303–6

Distribution of substance P neurons in the epithalamus of the rat: an immunohistochemical investigation. Rønnekleiv OK, et al. **J Pineal Res** 1984;1(4):355–70

A case of midgut carcinoid with breast metastasis and cellular localization of serotonin and substance P. Ahlman H, et al. **J Surg Oncol** 1986 Mar;31(3):170–3

Vasoactive intestinal polypeptide-, somatostatin- and substance P-immunoreactive nerves in the smooth and striated muscle of the intrinsic external urethral sphincter of patients with spinal cord injury. Crowe R, et al. **J Urol** 1986 Aug;136(2):487–91

Effect of age on substance P levels in the rat mesenteric artery and vein. Duckles SP. **Neurobiol Aging** 1985 Fall; 6(3):237–9

Estrous cycle variations in cholecystokinin and substance P concentrations in discrete areas of the rat brain. Frankfurt M, et al. **Neuroendocrinology** 1986;42(3):226–31

Coexistence of serotonin- and substance P-like immunoreactivity in nerve fibers apposing identified sympathoadrenal preganglionic neurons in rat intermediolateral cell column. Appel NM, et al. **Neurosci Lett** 1986 Apr 24;65(3):241–6

Evidence that large synaptic vesicles containing substance P and small synaptic vesicles have a surface antigen in common in rat. Floor E, et al. **Neurosci Lett** 1985 Sep 30;60(2):231–7

Substance P- and enkephalin-containing projections from the interpeduncular nucleus to the dorsal tegmental region in the rat. Huitinga I, et al. **Neurosci Lett** 1985 Dec 18; 62(3):311–6

Distribution of calcitonin gene-related peptide in the rat peripheral nervous system with reference to its coexistence with substance P. Lee Y, et al. **Neuroscience** 1985 Aug; 15(4):1227–37

Substance P in the human brain. Mai JK, et al. **Neuroscience** 1986 Mar;17(3):709–39

Ultrastructural localization and afferent sources of substance P in the rat parabrachial region. Milner TA, et al. **Neuroscience** 1986 Mar;17(3):687–707

The glutamate decarboxylase-, leucine enkephalin-, methionine enkephalin- and substance P-immunoreactive neurons in the neostriatum of the rat and cat: evidence for partial population overlap. Penny GR, et al. **Neuroscience** 1986 Apr;17(4):1011–45

Behavioral investigation of the coexistence of substance P, corticotropin releasing factor, and acetylcholinesterase in lateral dorsal tegmental neurons projecting to the medial frontal cortex of the rat. Crawley JN, et al. **Peptides** 1985 Sep-Oct;6(5):891–901

Calcitonin gene-related peptide coexists with substance P in capsaicin sensitive neurons and sensory ganglia of the rat. Skofitsch G, et al. **Peptides** 1985 Jul-Aug;6(4):747–54

Molecular forms of somatostatin, substance P and neurotensin in fresh human cerebral cortex. Bateman DE, et al. **Regul Pept** 1986 May;14(3):211–6

Substance P distribution and effects in the canine epicardial coronary arteries. Brum JM, et al. **Regul Pept** 1986 Mar; 14(1):41–55

Multiple tachykinins (neurokinin A, neuropeptide K and substance P) in capsaicin-sensitive sensory neurons in the guinea-pig. Hua XY, et al. **Regul Pept** 1985 Dec;13(1):1–19

Ontogeny of substance P in the digestive tract, spinal cord and hypothalamus of the human fetus. Paulin C, et al. **Regul Pept** 1986 Apr;14(2):145–53

Substance P- and leu-enkephalin-immunoreactive nerves before and after myocardial ischaemia, hypothermic chemical cardioplegia and reperfusion injury during open-heart surgery. Kyösola KT, et al. **Scand J Thorac Cardiovasc Surg** 1986;20(1):89–92

Immunochemical studies of substance P and cholecystokinin octapeptide recovery in dorsal horn following unilateral lumbosacral ganglionectomy. Micevych PE, et al. **Somatosens Res** 1986;3(3):239–60

A technique for decalcification and demonstration of substance P-like immunoreactivity. Wakisaka S, et al. **Stain Technol** 1986 Jan;61(1):39–42

[Radioimmunoassay for SP] Chen J, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Feb; 8(1):7–12 (Eng. Abstr.) **(Chi)**

[Biochemical analysis of transmitters in the brains of multiple system atrophy] Kwak S. **No To Shinkei** 1985 Jul; 37(7):691–4 **(Jpn)**

ANTAGONISTS & INHIBITORS

Design and synthesis of antagonists of substance P. Folkers K, et al. **Acta Chem Scand [B]** 1986 Apr;40(4):295–302

An examination of the pharmacology of two substance P antagonists and the evidence for tachykinin receptor subtypes. Bailey SJ, et al. **Br J Pharmacol** 1986 Jan; 87(1):79–85

A comparison of the effects of three substance P antagonists on tachykinin-stimulated [3H]-acetylcholine release in the guinea-pig ileum. Featherstone RL, et al. **Br J Pharmacol** 1986 Jan;87(1):73–7

Pharmacological characterization of the receptor mediating the adrenergic inhibition of responses to substance P in the cingulate cortex. Jones RS, et al. **Brain Res** 1986 Mar 5;367(1–2):151–61

Calcitonin gene-related peptide is a potent inhibitor of substance P degradation. Le Greves P, et al. **Eur J Pharmacol** 1985 Sep 24;115(2–3):309–11

Effects of the substance P antagonist [D-Arg1,D-Pro2,D-Trp7,9,Leu11]SP on miosis caused by echothiophate iodide or pilocarpine hydrochloride. Mandahl A. **Eur J Pharmacol** 1985 Aug 15;114(2):121–7

Tachykinin antagonists: substitutions in positions 5 and 6 with amino acids from the primary sequence of substance P homologues. Mathison R, et al. **Eur J Pharmacol** 1985 Aug 15;114(2):147–55

Thyrotropin-releasing hormone (TRH) counteracts neuronal damage induced by a substance P antagonist. Freedman J, et al. **Exp Brain Res** 1986;62(1):175–8

Antagonism of non-cholinergic excitatory junction potentials in the guinea-pig ileum by a substance P analogue antagonist. Taylor GS, et al. **Neurosci Lett** 1986 Jan 2; 63(1):23–6

BLOOD

Do substance P and vasoactive intestinal polypeptide (VIP) play a role in the acute occlusive or chronic ischaemic vasodilation in man? Henriksen JH, et al. **Clin Physiol** 1986 Apr;6(2):163–70

Plasma substance P in the irritable bowel syndrome. McAllister C, et al. **Ir J Med Sci** 1985 Nov;154(11):431–2

The influence of cholinergic and adrenergic blockade on the portal release of substance P in the cat. Grönstad KO, et al. **J Surg Res** 1985 Oct;39(4):316–21

CEREBROSPINAL FLUID

Somatostatin-like immunoreactivity and substance-P-like immunoreactivity in the CSF of patients with senile dementia of Alzheimer type, multi-infarct syndrome and communicating hydrocephalus. Cramer H, et al. **J Neurol** 1985;232(6):346–51

CHEMICAL SYNTHESIS

[Synthesis of cyclic and non-cyclic tachykinin partial sequences. 2. Synthesis of the homocyclic substance P(6–11) hexapeptide] Neubert K, et al. **Pharmazie** 1985 Aug;40(8):532–5 (Eng. Abstr.) **(Ger)**

GENETICS

Multiple-copy genes: production and modification of monomeric peptides from large multimeric fusion proteins. Kempe T, et al. **Gene** 1985;39(2–3):239–45

Dopamine antagonist haloperidol decreases substance P, substance K, and preprotachykinin mRNAs in rat striatonigral neurons. Bannon MJ, et al. **J Biol Chem** 1986 May 25;261(15):6640–2

Methods for the identification of neuropeptide processing products: somatostatin and the tachykinins. Harmar AJ, et al. **Methods Enzymol** 1986;124:335–48

IMMUNOLOGY

Substance P immunoreactivity in the major pelvic ganglion of the rat. Dail WG, et al. **Anat Rec** 1985 May;212(1):103–9

The distribution and origin of substance P-like immunoreactivity in the rat molar pulp and periodontal tissues. Wakisaka S, et al. **Arch Oral Biol** 1985; 30(11–12):813–8

Mapping of the normal distribution of substance P-like immunoreactivity in the spinal trigeminal nucleus of the cat. Drew JP, et al. **Exp Neurol** 1986 Jul;93(1):168–79

Substance P immunoreactivity within neuritic plaques. Armstrong DM, et al. **Neurosci Lett** 1985 Jul 4;58(1):139–44

Loss of substance P immunoreactivity in the nucleus of the spinal trigeminal tract after intradural tumour compression of the trigeminal nerve. Pioro EP, et al. **Neurosci Lett** 1985 Jul 4;58(1):7–12

Tachykinin multiplicity in rat central nervous system as studied using antisera raised against substance P and neurokinin A. Brodin E, et al. **Regul Pept** 1986 Feb; 13(3–4):253–72

ISOLATION & PURIFICATION

Characterization of substance P-like immunoreactivity in submammalian species by high performance liquid chromatography. Lembeck F, et al. **Peptides** 1985;6 Suppl 3:231–6

Isolation and characterization of substance P, substance P 5–11, and substance K from two metastatic ileal carcinoids. Roth KA, et al. **Regul Pept** 1985 Nov 7;12(3):185–99

METABOLISM

Methionine-enkephalin and substance P in the basal ganglia of normals, Parkinson patients, Huntington patients, and schizophrenics. A qualitative immunohistochemical study. Zech M, et al. **Acta Neuropathol (Berl)** 1985;68(1):32–8

Acute continuous exposure to cigarette smoke produces discrete changes in cholecystokinin and substance P levels in the hypothalamus and preoptic area of the male rat. Fuxe K, et al. **Acta Physiol Scand** 1985 Nov;125(3):437–43

Evidence for substance P-immunoreactive spinal afferents that mediate bronchoconstriction. Saria A, et al. **Acta Physiol Scand** 1985 Nov;125(3):407–14

Cholecystokinin inhibits binding of substance P to pancreatic acinar cells. Sjödin L. **Acta Physiol Scand** 1985 Jul; 124(3):471–4

Receptors for mammalian tachykinins on isolated intestinal smooth muscle cells. Souquet JC, et al. **Am J Physiol** 1985 Oct;249(4 Pt 1):G533–8

Immunohistochemical observation on substance P in regenerating taste buds of the rat. Nishimoto T, et al. **Anat Rec** 1985 Aug;212(4):430–6

Amidase-like activity of calpain I and calpain II on substance P and its related peptides. Hatanaka M, et al. **Arch Biochem Biophys** 1985 Nov 1;242(2):557–62

Proteolytic inactivation of substance P in the epithelial layer of the intestine. Nau R, et al. **Biochem Pharmacol** 1985 Nov 15;34(22):4019–23

Axonal transport of substance P-like immunoreactivity in regenerating rat sciatic nerve. Bisby MA, et al. **Brain Res** 1985 Dec ..;361(1–2):396–9

Serotonergic and peptidergic inputs to the primate ventral spinal cord as visualized with multiple chromagens on the same tissue section. Bowker RM. **Brain Res** 1986 Jun 11; 375(2):345–50

Peripheral nerve lesions cause simultaneous alterations of substance P and enkephalin levels in the spinal cord. Di Giulio AM, et al. **Brain Res** 1985 Sep 9;342(2):405–8

Immunocytochemical evidence for synaptic regulation of paraventricular vasopressin-containing neurons by substance P. Heike Y, et al. **Brain Res** 1986 Mar 26; 369(1–2):341–6

The regional distribution of kassinin-like immunoreactivity in central and peripheral tissues of the cat. Hunter JC, et al. **Brain Res** 1985 Aug 26;341(2):228–32

Colocalization of immunoreactive substance P and neurotensin in amacrine cells of the goldfish retina. Li HB, et al. **Brain Res** 1986 Feb 26;366(1–2):307–13

Immunoelectron microscopic study of substance P-containing fibers in feline cerebral arteries. Liu-Chen LY, et al. **Brain Res** 1986 Mar 26;369(1–2):12–20

Deafferentation causes a loss of presynaptic bombesin receptors and supersensitivity of substance P receptors in the dorsal horn of the cat spinal cord. Massari VJ, et al. **Brain Res** 1985 Sep 23;343(2):268–74

Two distinct calcitonin gene-related peptide-containing peripheral nervous systems: distribution and quantitative differences between the iris and cerebral artery with special reference to substance P. Matsuyama T, et al. **Brain Res** 1986 May 14;373(1-2):205-12

Substance P-immunoreactive astrocytes related to deep white matter and striatal blood vessels in human brain. Michel JP, et al. **Brain Res** 1986 Jul 9;377(2):383-7

The co-occurrence of substance P-like immunoreactivity and dynorphin-like immunoreactivity in striatopallidal and striatonigral projection neurons in birds and reptiles. Reiner A. **Brain Res** 1986 Apr 16;371(1):155-61

Increased density of substance P binding sites in specific brainstem nuclei of spontaneously hypertensive rats. Shigematsu K, et al. **Brain Res** 1986 Apr 9;370(2):383-7

Evidence for glycoconjugate in nociceptive primary sensory neurons and its origin from the Golgi complex. Streit WJ, et al. **Brain Res** 1986 Jul 2;377(1):1-17

Early postnatal administration of 5,7-dihydroxytryptamine: effects on substance P and thyrotropin-releasing hormone neurons and terminals in rat brain. Towle AC, et al. **Brain Res** 1986 Jan 15;363(1):38-46

Origins and distribution of calcitonin gene-related peptide-containing nerves in the wall of the cerebral arteries of the guinea pig with special reference to the coexistence with substance P. Wanaka A, et al. **Brain Res** 1986 Mar 26;369(1-2):185-92

Substance P mechanism in cluster headache: evaluation in plasma and cerebrospinal fluid. Sicuteri F, et al. **Cephalalgia** 1985 Sep;5(3):143-9

Changes in the somatostatin, substance P and vasoactive intestinal polypeptide content of the gastrointestinal tract following streptozotocin-induced diabetes in the rat. Ballmann M, et al. **Diabetologia** 1985 Jun;28(6):355-8

The differential effects of thyroid and gonadal hormones on substance P content in the anterior pituitary of the prepubertal rat. Coslovsky R, et al. **Endocrinology** 1985 Nov;117(5):2198-202

Immunoreactive substance P content in pituitary and median eminence in female rats on particular days of oestrus cycle and in male rats. Jakubowska-Naziemblo B, et al. **Endokrynol Pol** 1986;37(1):23-9

Interaction of substance P with tubulin. Maccioni RB, et al. **Eur J Biochem** 1986 Jan 15;154(2):427-35

Autoradiographic demonstration of endothelium-dependent 125I-Bolton-Hunter substance P binding to dog carotid artery. Stephenson JA, et al. **Eur J Pharmacol** 1986 May 27;124(3):377-8

The light microscopic localization of substance P- and somatostatin-like immunoreactive cells in the larval tiger salamander retina. Li HB, et al. **Exp Brain Res** 1986; 63(1):93-101

Enteric nerves in diabetic rats: increase in vasoactive intestinal polypeptide but not substance P. Belai A, et al. **Gastroenterology** 1985 Nov;89(5):967-76

Demonstration of perivascular peptides and changes in concentration with age in man. Edvinsson L, et al. **Gerontology** 1986;32 Suppl 1:50-2

Neurokinin A-like immunoreactivity in rat primary sensory neurons; coexistence with substance P. Dalsgaard CJ, et al. **Histochemistry** 1985;83(1):37-9

Differential immunostaining for substance P in Huntington's diseased and normal spinal cord: significance of serial (optimal, supra-optimal and end-point) dilutions of primary anti-serum in comparing biological specimens. Vacca-Galloway LL. **Histochemistry** 1985;83(6):561-9

Substance P-like immunoreactivity in the central nervous system of the blattarian insect Periplaneta americana L. revealed by a monoclonal antibody. Verhaert P, et al. **Histochemistry** 1985;83(6):501-7

Topographic organization of substance P and monoamine cells in the ventral medulla of the cat. Marson L, et al. **J Auton Nerv Syst** 1985 Nov;14(3):271-85

Hydrolysis of substance P and its analogs by angiotensin-converting enzyme from rat lung. Characterization of endopeptidase activity of the enzyme. Yokosawa H, et al. **J Biochem (Tokyo)** 1985 Nov; 98(5):1293-9

Ontogeny of substance P-like immunoreactive fibers in the taste buds and their surrounding epithelium of the circumvallate papillae of the rat. II. Electron microscopic analysis. Yamasaki H, et al. **J Comp Neurol** 1985 Nov 22; 241(4):493-502

Substance P: binding properties and studies on cellular responses in guinea pig macrophages. Hartung HP, et al. **J Immunol** 1986 May 15;136(10):3856-63

Three-dimensional distribution of substance P-like immunoreactivity in the urinary bladder of rat. Yokokawa K, et al. **J Neural Transm** 1985;63(3-4):209-22

Effects of hypoxia on neuropeptide levels in the rabbit superior cervical ganglion. Hanson G, et al. **J Neurobiol** 1986 Jan;17(1):51-4

Proteolytic inactivation of substance P and neurokinin A in the longitudinal muscle layer of guinea pig small intestine. Nau R, et al. **J Neurochem** 1986 Sep;47(3):856-64

Changes in 3H-substance P receptor binding in the rat brain after kainic acid lesion of the corpus striatum. Mantyh PW, et al. **J Neurosci** 1986 Jun;6(6):1537-44

Catecholamine, serotonin, and substance P-like peptide containing intrinsic neurons in the mudpuppy parasympathetic cardiac ganglion. Neel DS, et al. **J Neurosci** 1986 Jul;6(7):1970-5

Effects of noxious stimuli and anesthetic agents on substance P content in rat central nervous system. Kotani Y, et al. **Jpn J Pharmacol** 1986 Jan;40(1):143-7

Capsaicin in adult frogs: effects on nociceptive responses to cutaneous stimuli and on nervous tissue concentrations of immunoreactive substance P, somatostatin and cholecystokinin. Chéry-Croze S, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Nov; 331(2-3):159-65

Serotonin type-2 receptor mediated regulation of substance P release in the ventral spinal cord and the effects of chronic antidepressant treatment. Iverfeldt K, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 May; 333(1):1-6

Synaptosomal degradation of substance P and some other neuropeptides. Arzumanyan AM, et al. **Neurochem Res** 1985 Dec;10(12):1623-34

Influence of the amino acids of substance P in the recognition of its receptor: affinities of synthesized SP analogues for the specific 125I-BHSP binding site on rat brain synaptosomes. Lavielle S, et al. **Neuropeptides** 1986 Feb-Mar;7(2):191-200

Neuroleptic treatment induces region-specific changes in levels of neurokinin A and substance P in rat brain. Lindefors N, et al. **Neuropeptides** 1986 Apr;7(3):265-80

Substance P neuronal cell bodies in the human brain: complete mapping by immunohistofluorescence. Bouras C, et al. **Neurosci Lett** 1986 Aug 15;69(1):31-6

Correlation of mitochondrial swelling after capsaicin treatment and substance P and somatostatin immunoreactivity in small neurons of dorsal root ganglion in the rat. Chiba T, et al. **Neurosci Lett** 1986 Mar 14; 64(3):311-6

Laminar localization of the sites of release of immunoreactive substance P in the dorsal horn with antibody-coated microelectrodes. Duggan AW, et al. **Neurosci Lett** 1986 Jul 11;68(1):134-40

Substance P-immunoreactive nerves in the rat kidney. Ferguson M, et al. **Neurosci Lett** 1985 Sep 30;60(2):183-8

Immunoreactive substance P release from skin nerves in the rat by noxious thermal stimulation. Helme RD, et al. **Neurosci Lett** 1986 Jan 30;63(3):295-9

Neuropeptide immunoreactivity of pericellular baskets in the guinea pig trigeminal ganglion. Kuwayama Y, et al. **Neurosci Lett** 1986 Feb 28;64(2):169-72

Substance P-immunoreactive neurons in the neocortex of the rat: a subset of the glutamic acid decarboxylase-immunoreactive neurons. Penny GR, et al. **Neurosci Lett** 1986 Mar 28;65(1):53-9

Simultaneous release of several tachykinins and calcitonin gene-related peptide from rat spinal cord slices. Saria A, et al. **Neurosci Lett** 1986 Jan 30;63(3):310-4

Sexual differences in the distribution of substance P immunoreactive fibers in the ventral horn of the rat lumbar spinal cord. Uda K, et al. **Neurosci Lett** 1986 Feb 28; 64(2):157-62

Innervation of the feline cerebral vasculature by nerve fibers containing calcitonin gene-related peptide: trigeminal origin and co-existence with substance P. Uddman R, et al. **Neurosci Lett** 1985 Nov 20;62(1):131-6

Axonal transport of substance P-hydrolyzing peptidase in rat sciatic nerves. Kato T, et al. **Neurosci Res** 1986 Feb; 3(3):247-52

Inputs to motoneurones in the hypoglossal nucleus of the rat: light and electron microscopic immunocytochemistry for choline acetyltransferase, substance P and enkephalins using monoclonal antibodies. Connaughton M, et al. **Neuroscience** 1986;17(1):205-24

Co-existence of glucagon- and substance P-like immunoreactivity in the chicken retina. Katayama-Kumoi Y, et al. **Neuroscience** 1985 Oct;16(2):417-24

A substance P-containing pathway from the hypothalamic ventromedial nucleus to the medial preoptic area of the rat: an immunohistochemical analysis. Yamano M, et al. **Neuroscience** 1986 Jun;18(2):395-402

Structural and biochemical alterations in the dorsal horn of the spinal cord caused by peripheral nerve lesions. Di Giulio AM, et al. **Peptides** 1985;6 Suppl 3:249-56

Capsaicin reduces substance P immunoreactivity in the lateral nucleus of the solitary tract and nodose ganglion. Helke CJ, et al. **Peptides** 1985;6 Suppl 1:121-6

Organization of LHRH cells: differential apposition of neurotensin, substance P and catecholamine axons. Hoffman GE. **Peptides** 1985 May-Jun;6(3):439-61

Alterations of immunoreactive substance P and enkephalins in rat spinal cord after electroacupuncture. Vacca-Galloway LL, et al. **Peptides** 1985;6 Suppl 1:177-88

Nasal absorption of substance P in rats. Karasek E, et al. **Pharmazie** 1986 Apr;41(4):289-90

Isolated plasma membranes regulate neurotransmitter expression and facilitate effects of a soluble brain cholinergic factor. Kessler JA, et al. **Proc Natl Acad Sci USA** 1986 May;83(10):3528-32

Characterization of the metabolism of substance P and neurotensin by human angiotensin I converting enzyme and "enkephalinase". Skidgel RA. **Prog Clin Biol Res** 1985; 192:371-8

Catabolism of substance P and neurotensin in the rat stomach wall is susceptible to inhibitors of angiotensin converting enzyme. Orloff MS, et al. **Regul Pept** 1986 Mar;14(1):21-31

Guanine nucleotides regulate [3H]substance P binding in rat small intestine. Smith KE, et al. **Regul Pept** 1985 Aug; 11(4):275-85

Does liver-intestine significantly degrade circulating endogenous substance P in man? Henriksen JH, et al. **Scand J Gastroenterol** 1986 Apr;21(3):300-4

PHARMACODYNAMICS

The effect of intracerebroventricular administration of substance P fragment and met-enkephalin on the transmission of nervous impulses between the midbrain reticular formation and two generators of the hippocampal theta rhythm in rabbits. Kosiński S, et al. **Acta Physiol Pol** 1984 Sep-Dec;35(5-6):417-25

Complementary action of substance P and vasoactive intestinal peptide on the rat parotid secretion. Ekström J, et al. **Acta Physiol Scand** 1986 Jan;126(1):25-31

Pharmacological analysis of the mechanism of action for colonic contraction induced by neurotensin, substance P and methionine-enkephalin. Hellström PM. **Acta Physiol Scand** 1985 Sep;125(1):13-24

Electrophysiological effects of substance P and VIP in the denervated rat parotid gland. Theslеff P. **Acta Physiol Scand** 1986 Mar;126(3):377-83

Some effects of substance P on central respiratory control in rabbit pups. Yamamoto Y, et al. **Acta Physiol Scand** 1985 Jul;124(3):449-55

The effect of compound 48/80, substance P and pentagastrin on the isolated guinea pig atrium. Stanovnik L, et al. **Agents Actions** 1986 Apr;18(1-2):197-200

Substance P: a potent inhibitor of the canine small intestine in vivo. Fox JE, et al. **Am J Physiol** 1986 Jan;250(1 Pt 1):G21-7

Neuropeptides degranulate serous cells of ferret tracheal glands. Gashi AA, et al. **Am J Physiol** 1986 Aug;251(2 Pt 1):C223-9

Substance P, 5-hydroxytryptamine, and bradykinin stimulate abdominal visceral afferents. Lew WY, et al. **Am J Physiol** 1986 Mar;250(3 Pt 2):R465-73

Characterization of substance P effects on canine antral muscle. Mayer EA, et al. **Am J Physiol** 1986 Jul;251(1 Pt 1):G140-6

Intracellular calcium release induced by histamine releasers and its inhibition by some antiallergic drugs. Tasaka K, et al. **Ann Allergy** 1986 Jun;56(6):464-9

Contraction of guinea-pig lung parenchymal strips by substance P and related peptides. Foreman JC, et al. **Arch Int Pharmacodyn Ther** 1985 Dec;278(2):193-206

Substance P facilitation of memory: effects in an appetitively motivated learning task. Schlesinger K, et al. **Behav Neural Biol** 1986 Mar;45(2):230-9

Pharmaco-mechanical coupling in the response to acetylcholine and substance P in the smooth muscle of the rat iris sphincter. Banno H, et al. **Br J Pharmacol** 1985 Aug;85(4):905-11

Histamine is released from skin by substance P but does not act as the final vasodilator in the axon reflex. Barnes PJ, et al. **Br J Pharmacol** 1986 Aug;88(4):741-5

Endothelial-dependent relaxant actions of carbachol and substance P in arterial smooth muscle. Bolton TB, et al. **Br J Pharmacol** 1986 Apr;87(4):713-23

Stimulation and inhibition of gastrointestinal propulsion induced by substance P and substance K in the rat. Holzer P. **Br J Pharmacol** 1985 Sep;86(1):305-12

Selective activation of mesolimbic and mesocortical dopamine metabolism in rat brain by infusion of a stable substance P analogue into the ventral tegmental area. Elliott PJ, et al. **Brain Res** 1986 Jan 15;363(1):145-7

The actions of substance P and serotonin on myenteric neurons in tissue culture. Hanani M, et al. **Brain Res** 1985 Dec 9;358(1-2):276-81

Altered responsiveness to substance P and 5-hydroxytryptamine in cat dorsal horn neurons after 5-HT depletion with p-chlorophenylalanine. Jeftinija S, et al. **Brain Res** 1986 Mar 12;368(1):107-15

Facilitation of nicotinic response in the guinea pig prevertebral neurons by substance P. Jiang ZG, et al. **Brain Res** 1986 Jan 15;363(1):196-8

Substance P augments a persistent slow inward calcium-sensitive current in voltage-clamped spinal dorsal horn neurons of the rat. Murase K, et al. **Brain Res** 1986 Feb 19;365(2):369-76

Substance P and somatostatin modulate spinal cord excitability via physiologically different sensory pathways. Wiesenfeld-Hallin Z. **Brain Res** 1986 Apr 30;372(1):172-5

Characterization of substance P-induced bronchoconstriction in the guinea-pig: a comparison with acetylcholine. Stewart AG, et al. **Clin Exp Pharmacol Physiol** 1986 Mar; 13(3):223-32

Effects of substance P and substance P-(6-11) on hormone release from isolated perfused pancreas: their opposite actions on rat and canine islets. Chiba Y, et al. **Endocrinology** 1985 Nov;117(5):1996-2000

Substance P and human nasal mucociliary activity. Karlsson G, et al. **Eur J Clin Pharmacol** 1986;30(3):355-7

Desensitization of substance P-induced K+ release in rat parotid. Friedman ZY, et al. **Eur J Pharmacol** 1985 Nov 19;117(3):323-8

Tachykinin responses in the rat cingulate cortex: a comparison of the effects of iontophoretically applied substance P and neurokinin A. Jones RS, et al. **Eur J Pharmacol** 1985 Sep 10;115(1):113-6

Comparison of the effects of substance P and substance K on blood pressure, salivation and urinary bladder motility

in urethane-anaesthetized rats. Maggi CA, et al. **Eur J Pharmacol** 1985 Jul 17;113(2):291-4

Tachykinin antagonists have potent local anaesthetic actions. Post C, et al. **Eur J Pharmacol** 1985 Nov 19;117(3):347-54

Calcium-dependent stimulation of acetylcholine release by substance P and vasoactive intestinal polypeptide. Yau WM, et al. **Eur J Pharmacol** 1986 Jan 21;120(2):241-3

Hypotensive activity of histidine-containing analogues of C-terminal hexapeptide of substance P. Janecka A, et al. **Experientia** 1986 Apr 15;42(4):417-8

Substance P-induced intestinal secretion of water and electrolytes. McFadden D, et al. **Gut** 1986 Mar; 27(3):267-72

Influence of thyroid function upon "Substance P" induced secretion of saliva by submaxillary glands. Tumilasci OR, et al. **Horm Metab Res** 1986 Apr;18(4):234-7

Comparison of the histamine-releasing action of substance P on mast cells and basophils from different species and tissues. Ali H, et al. **Int Arch Allergy Appl Immunol** 1986; 79(4):413-8

Influence of beta-endorphin, somatostatin, substance P and vasoactive intestinal peptide on the proliferative response of human peripheral blood T lymphocytes to mercuric chloride. Nordlind K, et al. **Int Arch Allergy Appl Immunol** 1986;80(3):326-8

Sensory neuropeptides (substance P) and 4-11 SP enhance human neutrophils chemiluminescence; the role of L-arginine. Cornaglia-Ferraris P, et al. **Int J Immunopharmacol** 1986;8(4):463-8

Behavioral effects of substance P in rats. Barbeau A, et al. **Int J Neurol** 1980;14(2-4):239-52

Effect of substance P on neurally mediated contraction of rabbit airway smooth muscle. Tanaka DT, et al. **J Appl Physiol** 1986 Feb;60(2):458-63

Opposing hemodynamic effects of substance P on pulmonary vasculature in rabbits. Worthen GS, et al. **J Appl Physiol** 1985 Oct;59(4):1098-103

Response of splanchnic-driven neurons to substance P and eledoisin-related peptide. Felpel LP, et al. **J Auton Nerv Syst** 1986 Mar;15(3):269-74

The effects of intrathecal administration of arginine-vasopressin and substance P on blood pressure and adrenal secretion of epinephrine in rats. Riphagen CL, et al. **J Auton Nerv Syst** 1986 Jun;16(2):91-9

Interactions of bombesin and substance P at the feline lower esophageal sphincter. Reynolds JC, et al. **J Clin Invest** 1986 Feb;77(2):436-40

Stimulation of cellular proliferation and differentiation in the intact and regenerating planarian Dugesia(G) tigrina by the neuropeptide substance P. Saló E, et al. **J Exp Zool** 1986 Jan;237(1):129-35

Effects of substance P on carbachol-stimulated 45Ca2+ uptake into cultured adrenal chromaffin cells. Boksa P. **J Neurochem** 1985 Dec;45(6):1895-902

Altered respiratory response to substance P in capsaicin-treated rats. Towle AC, et al. **J Neurosci Res** 1985;14(2):239-53

Cooling-induced augmentation of the contractile response of the golden hamster tracheal muscle to substance P in-vitro. Ishii T, et al. **J Pharm Pharmacol** 1986 May; 38(5):403-5

Activation of micturition reflex by substance P and substance K: indirect evidence for the existence of multiple tachykinin receptors in the rat urinary bladder. Maggi CA, et al. **J Pharmacol Exp Ther** 1986 Jul;238(1):259-66

Motor effect of neurokinins on the rat duodenum: evidence for the involvement of substance K and substance P receptors. Maggi CA, et al. **J Pharmacol Exp Ther** 1986 Jul;238(1):341-51

Characterization of substance P-induced contractions of guinea-pig trachea. Malo PE, et al. **J Pharmacol Exp Ther** 1986 Jun;237(3):782-6

Structure-activity relationship for substance P inhibition of carbamylcholine-stimulated 22Na+ flux in neuronal (PC12) and non-neuronal (BC3H1) cell lines. Simasko SM, et al. **J Pharmacol Exp Ther** 1985 Dec;235(3):601-5

Smooth muscle excitatory substances from Remak nerve of the chicken and a comparison of their pharmacological and chemical properties with substance P. Komori S, et al. **Jpn J Pharmacol** 1986 Jan;40(1):1-11

Somatostatin, substance P and [Lys]-vasopressin interfere with the binding of [3H][D-Ala2, Met5]enkephalinamide to rat brain membranes. Maruyama M. **Jpn J Pharmacol** 1985 Aug;38(4):445-7

Modification of morphine withdrawal: effect of tuftsin, [Lys4]-tuftsinyltuftsin, tetrapeptide fragment (1-4) of substance P and its amide. Aronowski J, et al. **Life Sci** 1985 Oct 28;37(17):1649-53

Tachykinin activation of muscarinic inhibition in canine small intestine is SPP in nature. Fox JE, et al. **Life Sci** 1986 Sep 29;39(13):1123-8

Cardiovascular effects of calcitonin gene-related peptide in the pithed rat: comparison with substance P. Haass M, et al. **Life Sci** 1985 Dec 2;37(22):2085-90

Acetylsalicylic acid, paracetamol and morphine inhibit behavioral responses to intrathecally administered substance P or capsaicin. Hunskaar S, et al. **Life Sci** 1985 Nov 11;37(19):1835-41

Effects of capsaicin on vascular smooth muscle. Duckles SP. **Naunyn Schmiedebergs Arch Pharmacol** 1986 May; 333(1):59-64

On the actions of substance P, somatostatin, and vasoactive intestinal polypeptide on rat peritoneal mast cells and in human skin. Piotrowski W, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Dec; 331(4):364-8

Cardio-respiratory actions of substance P, TRH and 5-HT in the nucleus tractus solitarius of rats: evidence for functional interactions of neuropeptides and amine neurotransmitters. Carter DA, et al. **Neuropeptides** 1985 Sep;6(5):425-36

Influences of bradykinin and substance P on the met-enkephalin-like peptide content in the rat incisor pulp. Kudo T, et al. **Neuropeptides** 1986 May-Jun;7(4):399-405

Substance P in the lumbar spinal cord of the rat affects the motor response to 5-HTP and TRH. Tremblay LE, et al. **Neuropharmacology** 1986 Apr;25(4):419-24

Effect of substance P on behavior and cortical neuron activity during learning in rabbits. Shul'gina GI, et al. **Neurosci Behav Physiol** 1986 Mar-Apr;16(2):111-8

Substance P and calcitonin gene-related peptide synergistically modulate the gain of the nociceptive flexor withdrawal reflex in the rat. Woolf C, et al. **Neurosci Lett** 1986 May 15;66(2):226-30

The effects of substance P on neuromuscular transmission in the frog. Akasu T. **Neurosci Res** 1986 May;3(4):275-84

Ventral tegmental area infusion of substance P, neurotensin and enkephalin: differential effects on feeding behavior. Cador M, et al. **Neuroscience** 1986 Jul;18(3):659-69

Enkephalin and substance P modulate synaptic properties of chick ciliary ganglion neurons in cell culture. Margiotta JF, et al. **Neuroscience** 1986 May;18(1):175-82

Bombesin and substance P modulate peripheral sympathetic and cardiovascular activity. Bayorh MA, et al. **Peptides** 1985;6 Suppl 1:115-20

The mast cell response to substance P: effects of neuraminidase, limulin, and some novel synthetic peptide antagonists. Coleman JW, et al. **Peptides** 1986 Mar-Apr; 7(2):171-5

Age and strain differences in some behavioral effects of intracranial substance P. Hall ME, et al. **Peptides** 1985 May-Jun;6(3):363-8

Substance P receptor-mediated chemotaxis of human monocytes. Ruff MR, et al. **Peptides** 1985;6 Suppl 2:107-11

Non-cholinergic inotropic responses evoked by electric field stimulation in the isolated rat urinary bladder. Possible participation of substance P. Dveksler G, et al. **Pharmacol Res Commun** 1985 Dec;17(12):1109-19

Effect of mechanical stimulation, substance P and vasoactive intestinal polypeptide on the electrical and mechanical activities of circular smooth muscles from pig coronary arteries contracted with acetylcholine: role of endothelium. Beny JL, et al. **Pharmacology** 1986;33(2):61-8

Influence of substance P on nociception and stress. Oehme P, et al. **Pharmazie** 1985 Aug;40(8):568-70

The effects of substance P on the preconstricted pulmonary vasculature of the anesthetized dog. Archer SL, et al. **Proc Soc Exp Biol Med** 1986 Oct;183(1):19-27

Neuropeptide modulation of the behavioral effects of drugs. Barrett JE, et al. **Prog Clin Biol Res** 1985;192:37-50

Substance P modulation of the mesolimbic dopamine system. Kalivas P. **Prog Clin Biol Res** 1985;192:403-8

Effect of regulatory polypeptides on the substance P stimulated lower esophageal sphincter pressure in pigs. Aggestrup S. **Regul Pept** 1985 Sep;12(1):1-7

Innervation of human omental arteries and veins and vasomotor response to noradrenaline, neuropeptide Y, substance P and vasoactive intestinal peptide. Edvinsson L, et al. **Regul Pept** 1985 Sep;12(1):67-79

Effects of VIP, PHM and substance P on blood vessels and secretory elements of the human submandibular gland. Larsson O, et al. **Regul Pept** 1986 Feb;13(3-4):319-26

Effects of tachykinins on the electrical activity of isolated canine tracheal epithelium: an exploratory study. Rangachari PK, et al. **Regul Pept** 1985 Sep;12(1):9-19

Presynaptic modulation by noradrenaline and an opioid of the substance P-induced release of [3H]acetylcholine from the myenteric plexus. Vizi ES, et al. **Regul Pept** 1985 Nov 28;12(4):317-25

Flushing and plasma substance P concentration during infusion of synthetic substance P in normal man. Schaffalitzky De Muckadell OB, et al. **Scand J Gastroenterol** 1986 May;21(4):498-502

Effect of substance P on contractions of the gallbladder. Mate L, et al. **Surg Gynecol Obstet** 1986 Aug;163(2):163-6

[Substance P displays opposite effects on electroacupuncture analgesia in the periaqueductal gray matter and spinal cord of the rabbit] Xie GX, et al. **Chen Tzu Yen Chiu** 1985; 10(2):125-30 (Eng. Abstr.) **(Chi)**

[Effect of substance P and VIP on intraocular muscles] Suzuki R, et al. **Nippon Heikatsukin Gakkai Zasshi** 1985 Aug;21(4):331-2 **(Jpn)**

PHYSIOLOGY

The morphological basis for the effect of substance P on mucociliary activity in rabbit maxillary sinus. Lindberg S, et al. **Acta Otolaryngol (Stockh)** 1986 Mar-Apr; 101(3-4):314-9

Antidromic nerve stimulation accelerates mucociliary activity in rabbit maxillary sinus. Lindberg S, et al. **Acta Otolaryngol (Stockh)** 1986 May-Jun;101(5-6):484-93

Non-nicotinic, non-adrenergic excitatory motor fibres in the preganglionic sympathetic supply to the feline colon. An axon reflex arrangement associated to thin sensory neurons, involving substance P? Fändriks L, et al. **Acta Physiol Scand** 1985 Mar;123(3):273-84

On the role of substance P and serotonin in the pyloric motor control. An experimental study in cat and rat. Lidberg P. **Acta Physiol Scand [Suppl]** 1985;538:1-69 (75 ref.)

Role of substance P nerves in longitudinal smooth muscle contractions of the esophagus. Crist J, et al. **Am J Physiol** 1986 Mar;250(3 Pt 1):G336-43

Substance P and neurotensin: their roles in the regulation of anterior pituitary function. Aronin N, et al. **Annu Rev Physiol** 1986;48:537-49 (57 ref.)

Evidence for the existence of substance P in the prepubertal rat ovary. I. Biochemical and physiologic studies. Ojeda SR, et al. **Biol Reprod** 1985 Sep;33(2):286-95

Relation of substance P to catecholamine metabolism and stress. Oehme P. **Biomed Biochim Acta** 1985;44(10):1401-9 (36 ref.)

Ultrastructural localisation of substance P, vasoactive intestinal polypeptide, somatostatin and neuropeptide Y immunoreactivity in perivascular nerve plexuses of the gut. Fehér E, et al. **Blood Vessels** 1986;23(3):125-36

Immunoneutralization of substance P attenuates the reflex pressor response to muscular contraction. Kaufman MP, et al. **Brain Res** 1986 Jul 2;377(1):199-203

Reflex-induced acceleration of mucociliary activity in rabbit after exposure to cigarette smoke. Lindberg S. **Bull Eur Physiopathol Respir** 1986 May-Jun;22(3):273-9

Arterial blood-pressure change and endogenous circulating substance P in man. Henriksen JH, et al. **Clin Physiol** 1985 Aug;5(4):377-81

Differential regulation of cholinergic and peptidergic development in the rat striatum in culture. Kessler JA. **Dev Biol** 1986 Jan;113(1):77-89

Distribution and ontogeny of SP, CGRP, SOM, and VIP in chick sensory and sympathetic ganglia. New HV, et al. **Dev Biol** 1986 Aug;116(2):337-46

Substance P- and vasoactive intestinal peptide-containing fibers reach the ovary by independent routes. Dees WL, et al. **Endocrinology** 1986 Aug;119(2):638-41

Both substance P agonists and antagonists inhibit ion conductance through nicotinic acetylcholine receptors on PC12 cells. Eardley D, et al. **Eur J Pharmacol** 1985 Aug 7;114(1):101-4

Reduced neurogenic inflammation in streptozotocin-diabetic rats due to microvascular changes but not to substance P depletion. Gamse R, et al. **Eur J Pharmacol** 1985 Nov 26;118(1-2):175-80

Possible involvement of substance P immunoreactive nerves in the mediation of nicotine-induced contractile responses in isolated guinea pig bronchus. Kizawa Y, et al. **Eur J Pharmacol** 1985 Jul 31;113(3):319-23

Quasi phantom eye pain: an evolution of the substance P theory of cluster headache. Sicuteri F. **Headache** 1985 Nov; 25(8):447-51

The role of substance P in the nigrostriatal system. Borison RL, et al. **Int J Neurol** 1980;14(2-4):189-94

Multiple modes of communication by substance P. Harkins JA, et al. **Int J Neurol** 1980;14(2-4):233-8 (37 ref.)

Stress, symmetry, and psoriasis: possible role of neuropeptides. Farber EM, et al. **J Am Acad Dermatol** 1986 Feb;14(2 Pt 1):305-11

Properties of choroid and ciliary neurons in the avian ciliary ganglion and evidence for substance P as a neurotransmitter. Dryer SE, et al. **J Neurosci** 1985 Oct; 5(10):2654-61

Evidence that sensory neurons participate in the non-cholinergic, non-adrenergic contractile response of the guinea-pig ileum. Matulák O, et al. **J Pharm Pharmacol** 1986 May;38(5):348-52

Central effects of an antagonist and an antiserum to substance P on serum gonadotropin and prolactin secretion. Dees WL, et al. **Life Sci** 1985 Oct 28;37(17):1627-31

Intradermal hypertonic saline-induced behavior as a nociceptive test in mice. Hwang AS, et al. **Life Sci** 1986 Jun 30;38(26):2389-96

Desensitization to substance P following intrathecal injection. A technique for investigating the role of substance P in nociception. Sawynok J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Nov; 331(2-3):152-8

Neurogenic inflammation caused by wool fabric in the rat; possible mediation by substance P. Helme RD, et al. **Neurosci Lett** 1986 May 23;66(3):333-7

Search for a physiological role of substance P in gastrointestinal motility. Barthó L, et al. **Neuroscience** 1985 Sep;16(1):1-32 (367 ref.)

Substance K and substance P differentially modulate mesolimbic and mesocortical systems. Deutch AY, et al. **Peptides** 1985;6 Suppl 2:113-22

Bulbospinal substance P and sympathetic regulation of the cardiovascular system: a review. Helke CJ, et al. **Peptides** 1985;6 Suppl 2:69-74 (61 ref.)

Substance P-containing ganglion cells become progressively less detectable during retinotectal development in the frog Rana pipiens. Kuljis RO, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(15):5736-40

Substance P like immunoreactivity along the lateral side of the dorsal horn of human spinal cord. Mehra RD, et al. **Prog Clin Biol Res** 1986;217B:149-51

Early prenatal appearance of substance P in the human visual cortex. Mehra RD, et al. **Prog Clin Biol Res** 1986; 217B:141-4

[The effect of acupuncture "Zusanli" on the substance P-evoked nociceptive responses of the dorsal horn neurons in the rat] Li CY, et al. **Chen Tzu Yen Chiu** 1985;10(3):202–6 (Eng. Abstr.) **(Chi)**

[Peptidergic transmission and late slow EPSP in sympathetic ganglion cells] Jiang ZG. **Sheng Li Ko Hsueh Chin Chan** 1984 Oct;15(4):301–5 **(Chi)**

[Peripheral peptidergic neurons. II. Substance P, tachykinins and the axon reflex] Damas J. **Rev Med Liege** 1985 Aug 1–15;40(15–16):564–71 **(Fre)**

SECRETION

Release of substance-P-like immunoreactivity in dog paw lymph after scalding injury. Jonsson CE, et al. **Acta Physiol Scand** 1986 Jan;126(1):21–4

Noradrenergic inhibition of the release of substance P from the primary afferents in the rabbit spinal dorsal horn. Kuraishi Y, et al. **Brain Res** 1985 Dec 16;359(1–2):177–82

Morphine and norepinephrine but not 5-hydroxytryptamine and gamma-aminobutyric acid inhibit the potassium-stimulated release of substance P from rat spinal cord slices. Pang IH, et al. **Brain Res** 1986 Jun 25; 376(2):268–79

Opioid control of the function of primary afferent substance P fibres. Lembeck F, et al. **Eur J Pharmacol** 1985 Aug 27;114(3):241–6

In vivo release of substance P in the nucleus tractus solitarii increases during hypoxia. Lindefors N, et al. **Neurosci Lett** 1986 Aug 15;69(1):94–7

SUBSTANCE USE DISORDERS

Inhalation of gasoline fumes [letter] Hornfeldt CS, et al. **Clin Pediatr (Phila)** 1986 Feb;25(2):114–5

Psychological problems, analgesic nephropathy and substance-use disorder. Schlebusch L, et al. **S Afr Med J** 1985 Dec 21;68(13):912

[Pulmonary fibrosis caused by glue inhalation (sniffing)?] Galuska L, et al. **Orv Hetil** 1986 Aug 3;127(31):1877–80, 1883 (Eng. Abstr.) **(Hun)**

COMPLICATIONS

Glue sniffing neuropathy. King PJ, et al. **Aust NZ J Med** 1985 Jun;15(3):293–9

Volatile substance abuse: a review of possible long-term neurological, intellectual and psychiatric sequelae. Ron MA. **Br J Psychiatry** 1986 Mar;148:235–46 (69 ref.)

Sniffing gasoline [letter] Bass M. **JAMA** 1986 May 16; 255(19):2604–5

[Aplastic anemia secondary to glue sniffing—report of 2 cases] Chou PT, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 May;84(5):625–9 (Eng. Abstr.) **(Chi)**

[Cognitive changes in minors who are chronic users of inhalable substances. Report of an experimental study] Ortiz A, et al. **Salud Publica Mex** 1985 Jul–Aug; 27(4):286–90 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Proposed changes in DSM-III substance use disorders: description and rationale. Rounsaville BJ, et al. **Am J Psychiatry** 1986 Apr;143(4):463–8

DRUG THERAPY

Clinical management of benzodiazepine dependence [letter] Marks J. **Br Med J [Clin Res]** 1985 Oct 26;291(6503):1201–2

ETIOLOGY

Recent findings concerning inhalant use. Russe BR, et al. **Chem Depend** 1980;4(1–2):113–26

Petrol "sniffing" and lead encephalopathy [letter]McGrath J. **Med J Aust** 1986 Feb 17;144(4):221

[Inhalants: solvent-containing products as intoxicating and addictive drugs] Altenkirch H. **Schriftenr Ver Wasser Boden Lufthyg** 1985;65:481–92 **(Ger)**

MORTALITY

A case of death after glue sniffing. Chikasue F, et al. **Hiroshima J Med Sci** 1985 Dec;34(4):419–23

Sudden death resulting from inhalation of fire extinguishers containing bromochlorodifluoromethane. Smeeton WM, et al. **Med Sci Law** 1985 Oct;25(4):258–62

OCCURRENCE

Gasoline sniffing. Fortenberry JD. **Am J Med** 1985 Dec; 79(6):740–4 (38 ref.)

PHYSIOPATHOLOGY

Renal disease associated with toluene inhalation. Patel R, et al. **J Toxicol Clin Toxicol** 1986;24(3):213–23

PREVENTION & CONTROL

A retrospective assessment of inhalant abuse in the barrio: implications for prevention. Bachrach KM, et al. **Int J Addict** 1985 Aug;20(8):1177–89

PSYCHOLOGY

Inhalant abuse and heroin addiction: a comparative study on 574 opiate addicts with and without a history of sniffing. Altenkirch H, et al. **Addict Behav** 1986;11(2):93–104

Characteristics of Native American users of inhalants. Wingert JL, et al. **Int J Addict** 1985 Oct;20(10):1575–82

SUBSTANCE WITHDRAWAL SYNDROME

Changes in the adrenergic reactivity of spontaneously hypertensive rats after abrupt withdrawal of chronic clonidine treatment. Staneva-Stoytcheva D, et al. **Acta Physiol Pharmacol Bulg** 1985;11(2):35–43

Alcohol withdrawal: clinical symptoms and management of the syndrome. Elton M. **Acta Psychiatr Scand [Suppl]** 1986; 327:80–90

Alcohol withdrawal and opiate withdrawal—similarities and differences. Rydberg U. **Acta Psychiatr Scand [Suppl]** 1986; 327:61–73

Anxiety: its generation by drugs and by their withdrawal. Dorow R, et al. **Adv Biochem Psychopharmacol** 1986; 41:211–25

Carpal pedal spasms in abstinent alcoholics [letter] Worner TM. **Alcoholism (NY)** 1986 Jan–Feb;10(1):90

Recurrence of malignant ventricular arrhythmia after antiarrhythmic drug withdrawal. Graboys TB, et al. **Am J Cardiol** 1986 Jul 1;58(1):59–62

Persistent supersensitivity vomiting following neuroleptic withdrawal in an adolescent. Grob CS. **Biol Psychiatry** 1986 Apr;21(4):398–401

Labile hypertension after antipsychotic drug withdrawal: a case report. Thaker GK, et al. **Biol Psychiatry** 1985 Nov; 20(11):1244–6

Abrupt withdrawal of atenolol in patients with severe angina: comparison with the effects of treatment [letter] Lewis MJ, et al. **Br Heart J** 1986 Aug;56(2):195–6

Alprazolam withdrawal syndrome [letter] Fernando L, et al. **Can J Psychiatry** 1986 Jun;31(5):488

Adrenergic mechanisms of barbital dependence in mice. Germany A, et al. **Cell Mol Biol** 1985;31(5):369–71

Quazepam and temazepam: effects of short- and intermediate-term use and withdrawal. Kales A, et al. **Clin Pharmacol Ther** 1986 Mar;39(3):345–52

Sleep apnoea in alcoholic patients after withdrawal. Tan ET, et al. **Clin Sci** 1985 Dec;69(6):655–61

Heart rate variability in withdrawing alcoholic patients. Weise F, et al. **Drug Alcohol Depend** 1985 Sep;16(1):85–8

Clonazepam withdrawal psychosis [letter] Jaffe R, et al. **J Clin Psychopharmacol** 1986 Jun;6(3):193

A difficult alprazolam withdrawal [letter] Kantor SJ. **J Clin Psychopharmacol** 1986 Apr;6(2):124–5

Mania after withdrawal of isocarboxazid. Rothschild AJ. **J Clin Psychopharmacol** 1985 Dec;5(6):340–2

Naloxone withdrawal exacerbates Tourette syndrome [letter] Sandyk R. **J Clin Psychopharmacol** 1986 Feb;6(1):58–9

Nomifensine—a farewell and future concerns [editorial] Shader RI, et al. **J Clin Psychopharmacol** 1986 Jun;6(3):A21

Alcohol dependence and withdrawal in the rat. An effective means of induction and assessment. Ruwe WD, et al. **J Pharmacol Methods** 1986 Jun;15(3):225–34

A neuroleptic malignantlike syndrome due to levodopa therapy withdrawal. Friedman JH, et al. **JAMA** 1985 Nov 15;254(19):2792–5

Amphetamine withdrawal: a behavioral evaluation. Kokkinidis L, et al. **Life Sci** 1986 Apr 28;38(17):1617–23

Diuretic-withdrawal edema [letter] Brandspigel K. **N Engl J Med** 1986 Feb 20;314(8):515

Rejection reaction after stopping prednisolone in kidney-transplant recipients taking cyclosporine [letter] Brown MW, et al. **N Engl J Med** 1986 Jan 16;314(3):183

Withdrawal reaction after long-term therapeutic use of benzodiazepines. Busto U, et al. **N Engl J Med** 1986 Oct 2;315(14):854–9

Naloxone-precipitated withdrawal in humans after acute morphine administration. Bickel WK, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;67:349–54

Disparity in hemispheric and thalamic growth in infants undergoing abstinence. Pasto ME, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;67:342–8

Correlation between the vaginal cornification count and progesterone-induced withdrawal bleeding: a prospective study. Lin TJ. **Obstet Gynecol** 1967 Aug;30(2):257–9

Taper withdrawal studies with alprazolam in patients with panic disorder and agoraphobia. Pecknold JC, et al. **Psychopharmacol Bull** 1986;22(1):173–6

[Report on the dependence caused by long-term administration of surazepam in 41 cases] Zhang SL. **Chung Hua Nei Ko Tsa Chih** 1986 Apr;25(4):220–1, 254 (Eng. Abstr.) **(Chi)**

[Adaptive effect and withdrawal syndrome of propranolol in relation to norepinephrine and epinephrine] Dai DZ, et al. **Chung Kuo Yao Li Hsueh Pao** 1985 Jun;6(2):79–81 **(Chi)**

[Dependence and abstinence symptoms in the use of benzodiazepines] van Steenkiste M, et al. **Ned Tijdschr Geneeskd** 1986 Jul 5;130(27):1224–7 **(Dut)**

[Myocardial infarction after abrupt withdrawal of a calcium inhibitor (letter)] Vital Durand D, et al. **Presse Med** 1986 Jan 25;15(3):121–2 **(Fre)**

[Phenomenon of inverted rotation in spastic torticollis] Orlova OR, et al. **Zh Nevropatol Psikhiatr** 1986; 86(3):348–51 (Eng. Abstr.) **(Rus)**

[Neuroleptic malignant syndrome. A case associated with amantadine withdrawal (letter)] **Med Clin (Barc)** 1985 Nov 9;85(15):643–4 **(Spa)**

BLOOD

Blood nicotine, smoke exposure and tobacco withdrawal symptoms. Hatsukami DK, et al. **Addict Behav** 1985; 10(4):413–7

Alcohol intake and withdrawal: effects on branched chain amino acids and alanine. Avogaro A, et al. **Alcoholism (NY)** 1986 Jun;10(3):300–4

Variations in HDL and VLDL levels chronic alcoholics. Influence of the degree of liver damage and of withdrawal of alcohol. Tateossian S, et al. **Clin Chim Acta** 1985 Jun 14;148(3):211–9

Effects of chronic treatment with diazepam, phenobarbital, or amphetamine on naloxone-precipitated morphine withdrawal. Eisenberg RM. **Drug Alcohol Depend** 1985 Aug;15(4):375–81

Platelet alpha 2-adrenoceptors in heroin addicts during withdrawal and after treatment with clonidine. Garcia-Sevilla JA, et al. **Eur J Pharmacol** 1985 Aug 27; 114(3):365–74

Opiate withdrawal-induced hyposensitivity to naloxone's effects on serum luteinizing hormone in the male rat. Cicero TJ, et al. **J Pharmacol Exp Ther** 1986 Sep;238(3):1063–70

A preliminary study of beta endorphin during chronic naltrexone maintenance treatment in ex-opiate addicts. Kosten TR, et al. **Life Sci** 1986 Jul 7;39(1):55–9

Glucose tolerance and the insulin response in recently drinking alcoholic patients: possible effects of withdrawal. Iturriaga H, et al. **Metabolism** 1986 Mar;35(3):238–43

Platelet aggregation and plasma lipoproteins in alcoholics during alcohol withdrawal. Desai K, et al. **Thromb Haemost** 1986 Apr 30;55(2):173–7

Platelet thromboxane formation and bleeding time is influenced by ethanol withdrawal but not by cigarette smoking. Hillbom M, et al. **Thromb Haemost** 1985 Jun 24; 53(3):419–22

[Serum lipids of alcoholics before and following abstinence. Significance for coronary risk] Clemens MR, et al. **J Clin Chem Clin Biochem** 1986 Jun;24(6):369–74 (Eng. Abstr.) **(Ger)**

CEREBROSPINAL FLUID

Cerebrospinal fluid 3-methoxy-4-hydroxyphenylglycol and norepinephrine levels in alcohol withdrawal. Correlations with clinical signs. Hawley RJ, et al. **Arch Gen Psychiatry** 1985 Nov;42(11):1056–62

[CSF neurochemical alterations during alcohol withdrawal] Saito T, et al. **Arukoru Kenkyuto Yakubutsu Ison** 1985 Sep; 20(3):238–49 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

Effects of inhibitors of GABA-transaminase on hole-board exploration and on temperature. Relation with effects on quasi-morphine abstinence behaviour induced by sodium dipropylacetate. van der Laan JW, et al. **Biochem Pharmacol** 1985 Nov 1;34(21):3789–94

COMPLICATIONS

Persistence of depression in detoxified alcoholics. Overall JE, et al. **Alcoholism (NY)** 1985 Jul–Aug;9(4):331–3

Cardiac arrhythmias in a population admitted to an acute alcoholic detoxification center. Buckingham TA, et al. **Am Heart J** 1985 Nov;110(5):961–5

Pseudotumor cerebri in a boy with 11-beta-hydroxylase deficiency—a possible relation to rapid steroid withdrawal. Zadik Z, et al. **Childs Nerv Syst** 1985;1(3):179–81

[Arterial hypertension in alcohol withdrawal syndrome] Nardoni A, et al. **Minerva Cardioangiol** 1986 Apr; 34(4):207–13 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Schizophrenic relapse after drug withdrawal is predictable. Dencker SJ, et al. **Acta Psychiatr Scand** 1986 Feb; 73(2):181–5

Reactions to withdrawal symptoms and success in smoking cessation clinics. Gunn RC. **Addict Behav** 1986;11(1):49–53

Abstinence symptomatology and psychiatric diagnosis in cocaine abusers. Clinical observations. Gawin FH, et al. **Arch Gen Psychiatry** 1986 Feb;43(2):107–13

Signs and symptoms of tobacco withdrawal. Hughes JR, et al. **Arch Gen Psychiatry** 1986 Mar;43(3):289–94

Risks incurred by children of drug-addicted women: some medical and legal aspects. Vaille C. **Bull Narc** 1985 Apr–Sep;37(2–3):149–56

The neonatal narcotic abstinence syndrome: a brief review. Calabrese JR, et al. **Can J Psychiatry** 1985 Dec;30(8):623–6 (15 ref.)

Intake of alcohol and benzodiazepines and reliability of drug history in patients admitted to hospital. Lilja M, et al. **Hum Toxicol** 1986 Jul;5(4):281–2

Digitalis withdrawal in elderly nursing home patients. Wilkins CE, et al. **J Am Geriatr Soc** 1985 Dec;33(12):850–1

Frequency of self-reported 'anxiolytic withdrawal' symptoms in a group of female students experiencing anxiety. Rodrigo EK, et al. **Psychol Med** 1986 May;16(2):467–72

Diagnostic dilemma: drug withdrawal, borderline personality, and hyperthyroidism. Fishman B, et al. **Psychosomatics** 1986 May;27(5):370–2

Reactions to withdrawal of antidepressants, antiparkinsonian drugs, and lithium. Lawrence JM. **Psychosomatics** 1985 Nov;26(11):869–74, 877 (53 ref.)

Special aspects of human alcohol withdrawal. Gorelick DA, et al. **Recent Dev Alcohol** 1986;4:283–305

Clinical assessment and pharmacotherapy of the alcohol withdrawal syndrome. Naranjo CA, et al. **Recent Dev Alcohol** 1986;4:265–81

[Dynamics of personality changes in alcohol-dependent patients during treatment] Izdebski P. **Psychiatr Pol** 1985 May–Jun;19(3):212–8 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Pharmacological treatment of abstinence reactions. Clonidine: a new treatment model. Proceedings of a symposium. Linköping, Sweden, February 7, 1985. **Acta Psychiatr Scand [Suppl]** 1986;327:1–159

Clonidine treatment of the opiate withdrawal syndrome. A review of clinical trials of a theory. Agren H. **Acta Psychiatr Scand [Suppl]** 1986;327:91–113 (43 ref.)

Treatment of alcohol abstinence symptoms with the alpha 2-agonist clonidine. Balldin J, et al. **Acta Psychiatr Scand [Suppl]** 1986;327:131–43

Clonidine therapy for alcohol withdrawal. Björkqvist SE. **Acta Psychiatr Scand [Suppl]** 1986;327:114–20

Chlormethiazole in the management of alcohol withdrawal. Shaw GK. **Acta Psychiatr Scand [Suppl]** 1986;329:162–6

Clonidine in abstinence reactions: basic mechanisms. Svensson TH. **Acta Psychiatr Scand [Suppl]** 1986;327:19–42 (49 ref.)

Clonidine versus chlomethiazole in alcohol withdrawal. Wadstein J, et al. **Acta Psychiatr Scand [Suppl]** 1986; 327:144–8

The use of clonidine in psychiatric disorders. Preliminary clinical observations. Wålinder J. **Acta Psychiatr Scand [Suppl]** 1986;327:121–30

Changes in psychophysiological and conditioning variables during chlormethiazole-medicated and unmedicated ethanol withdrawal: preliminary report. Wang M. **Acta Psychiatr Scand [Suppl]** 1986;329:146–52

Alcohol withdrawal and carbamazepine. Butler D, et al. **Alcohol** 1986 Mar–Apr;3(2):113–29 (271 ref.)

Lofexidine in alcohol withdrawal states. Brunning J, et al. **Alcohol Alcohol** 1986;21(2):167–70

Double-blind controlled trial of bromocriptine, chlordiazepoxide and chlormethiazole for alcohol withdrawal symptoms. Burroughs AK, et al. **Alcohol Alcohol** 1985;20(3):263–71

Response to "A double-blind, placebo-controlled trial of magnesium sulfate in the ethanol withdrawal syndrome [letter] Mooney A, et al. **Alcoholism (NY)** 1985 Jul–Aug; 9(4):384–5

Clonidine for opiate withdrawal [letter] Boyd EM. **Am Fam Physician** 1986 Jun;33(6):42, 47

The combined use of clonidine and naltrexone as a rapid, safe, and effective treatment of abrupt withdrawal from methadone. Charney DS, et al. **Am J Psychiatry** 1986 Jul; 143(7):831–7

Propranolol in the treatment of restless legs syndrome induced by imipramine withdrawal [letter] Ginsberg HN. **Am J Psychiatry** 1986 Jul;143(7):938

Ineffectiveness of clonidine in the treatment of the benzodiazepine withdrawal syndrome: report of three cases. Goodman WK, et al. **Am J Psychiatry** 1986 Jul; 143(7):900–3

Preliminary evidence for the utility of carbamazepine in alprazolam withdrawal. Klein E, et al. **Am J Psychiatry** 1986 Feb;143(2):235–6

Clonidine therapy in withdrawal from high-dose alprazolam treatment [letter] Vinogradov S, et al. **Am J Psychiatry** 1986 Sep;143(9):1188

The benzodiazepine antagonist Ro 15–1788 does not antagonize the ethanol withdrawal syndrome. Adinoff B, et al. **Biol Psychiatry** 1986 Jun;21(7):643–9

Influence of nootropic drugs on drinking behaviour in ethanol-preferring mice and ethanol-induced increase of seizure susceptibility. Dienel A, et al. **Biomed Biochim Acta** 1985;44(5):767–71

Prescribing chlormethiazole reducing regimes in an emergency clinic. Drummond LM, et al. **Br J Addict** 1986 Apr;81(2):247–50

Opiate withdrawal: inpatient versus outpatient programmes [letter] Brewer C. **Br Med J [Clin Res]** 1986 Aug 9; 293(6543):391

Anaesthesia and alcohol [letter] Gillman MA, et al. **Br Med J [Clin Res]** 1985 Nov 23;291(6507):1505–6

Clinical management of benzodiazepine dependence [letter] Tyrer P. **Br Med J [Clin Res]** 1985 Nov 23;291(6507):1507

Withdrawal regimen for triazolam-dependent patients [letter] Fleming JA, et al. **Can Med Assoc J** 1986 Jun 1; 134(11):1230–2

Lethal enhancement of therapeutic doses of acetaminophen by alcohol. Lesser PB, et al. **Dig Dis Sci** 1986 Jan; 31(1):103–5

Activation levels, EEG, and behavioural responses. Schwarz-Ottersbach E, et al. **Int J Psychophysiol** 1986 May;4(1):7–17

A case of progressive hemichorea responsive to high-dose reserpine. Friedman JH. **J Clin Psychiatry** 1986 Mar; 47(3):149–50

Clonidine in the treatment of Tourette's syndrome exacerbation due to haloperidol withdrawal. Max JE, et al. **J Nerv Ment Dis** 1986 Apr;174(4):243–6

Corticotrophin injections to treat cigarette withdrawal symptoms [letter] West R. **J R Soc Med** 1985 Dec; 78(12):1065–6

Atenolol for alcohol withdrawal [letter] **N Engl J Med** 1986 Mar 20;314(12):782–4

Treatment of clonidine rebound syndrome with sublingual captopril [letter] Hauger-Klevene JH. **N Engl J Med** 1986 Jan 16;314(3):181–2

Resistance to the anti-anxiety effect of buspirone in patients with a history of benzodiazepine use [letter] Schweizer E, et al. **N Engl J Med** 1986 Mar 13;314(11):719–20

Nicotine gum vs. placebo gum: comparisons of withdrawal symptoms and success rates. Schneider NG, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1985;53:83–101

Double-blind comparison of desipramine and placebo in withdrawal from cocaine dependence. Tennant FS Jr, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;55:159–63

Maternal drug use and the effectiveness of pharmacotherapy for neonatal abstinence. Tunis SL, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;55:158

A controlled comparison of clonidine and doxepin in the treatment of the opiate withdrawal syndrome. Täschner KL. **Pharmacopsychiatry** 1986 May;19(3):91–5

Clonidine in opiate withdrawal: review and appraisal of clinical findings. Washton AM, et al. **Pharmacotherapy** 1981 Sep–Oct;1(2):140–6

Anticonvulsant sensitivity in withdrawal seizure prone (WSP) and withdrawal seizure resistant (WSR) selectively bred mouse lines. Crabbe JC, et al. **Proc West Pharmacol Soc** 1985;28:173–5

New strategies for the treatment of alcohol withdrawal. Sellers EM, et al. **Psychopharmacol Bull** 1986;22(1):88–92

Studies with alpha 2-adrenoceptor agonists and alcohol abstinence syndrome in rats. Parale MP, et al. **Psychopharmacology (Berlin)** 1986;88(2):237–9

The effect of phenobarbital and carbamazepine on the ethanol withdrawal reaction in the rat. Ulrichsen J, et al. **Psychopharmacology (Berlin)** 1986;89(2):162–6

Investigation of clonidine and lofexidine for the treatment of barbiturate withdrawal in mice. Siegel EG, et al. **Vet Hum Toxicol** 1985 Dec;27(6):503–5

[Treatment of alcohol withdrawal syndrome. The experience with bromocriptine] Manopulo R, et al. **Clin Ter** 1986 Feb 28;116(4):297–301 (Eng. Abstr.) **(Ita)**

[Effect of diclofenac on the opiate withdrawal syndrome] Gerra G, et al. **G Clin Med** 1985 Nov–Dec; 66(11–12):459–65 (Eng. Abstr.) **(Ita)**

[Reversibility of cognitive disorders among chronic alcoholics in phases of withdrawal. Effect of arginine pyroglutamate] Sinforiani E, et al. **Minerva Psichiatr** 1985 Oct–Dec;26(4):339–46 (Eng. Abstr.) **(Ita)**

[Effect of fenibut on the nocturnal sleep of patients with the alcoholic abstinence syndrome] Danilin VP, et al. **Zh Nevropatol Psikhiatr** 1986;86(2):251–4 (Eng. Abstr.) **(Rus)**

[Double-blind study of the efficacy of tetrabamate and tiapride in the treatment of alcohol deprivation syndrome] Santo Domingo Carrasco J, et al. **Med Clin (Barc)** 1985 Oct 26;85(13):533–6 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Inhibition of acid and alkaline phosphatases in the central nervous system of mice during morphine dependence development, withdrawal and naloxone administration. Sood PP, et al. **Cell Mol Biol** 1985;31(6):469–73

Acetylcholinesterase fluctuations in the brain of mice during morphine dependence development, withdrawal and naloxone induced withdrawal. Sood PP, et al. **Cell Mol Biol** 1985;31(6):475–88

Changes in ribonuclease in the central nervous system of mice during morphine dependence development, withdrawal and naloxone administration. Mohanakumar KP, et al. **Clin Physiol Biochem** 1986;4(2):159–63

Fluctuations of acetylcholinesterase in the mouse spinal cord and in vivo sodium effect during the development of morphine tolerance, dependence, and withdrawal. Mohanakumar KP, et al. **Neurochem Res** 1986 Apr; 11(4):505–20

ETIOLOGY

Long-term neuroleptic therapy in chronic anorexia nervosa complicated by tardive dyskinesia. A case report. Condon JT. **Acta Psychiatr Scand** 1986 Feb;73(2):203–6

Changes in mental condition, hyperkinesias and biochemical parameters after withdrawal of chronic neuroleptic treatment. Perényi A, et al. **Acta Psychiatr Scand** 1985 Nov; 72(5):430–5

Reports of smoking withdrawal symptoms over a 21 day period of abstinence. Cummings KM, et al. **Addict Behav** 1985;10(4):373–81

Provocation of hyper- and hypokalemic sudden death during treatment with and withdrawal of converting-enzyme inhibition in severe chronic congestive heart failure. Packer M, et al. **Am J Cardiol** 1986 Feb 1;57(4):347–8

Onset of type I diabetes mellitus, hypothyroidism, and hypogonadism on withdrawal of glucocorticoid therapy and remission on its resumption in a patient with rheumatoid arthritis. Kabadi UM. **Am J Med** 1986 Jan; 80(1):139–42

Effect of withdrawal of terazosin therapy in patients with hypertension. Ruoff G. **Am J Med** 1986 May 23; 80(5B):35–41

Mania induced by gradual withdrawal from long-term treatment with imipramine [letter] Gupta R, et al. **Am J Psychiatry** 1986 Feb;143(2):260

Alcohol withdrawal including leucocytosis [letter] Joy CR, et al. **Am J Psychiatry** 1985 Dec;142(12):1518

Withdrawal syndrome in a depressed patient treated with trazodone [letter] Menza MA. **Am J Psychiatry** 1986 Sep; 143(9):1195

Seizure following withdrawal from triazolam [letter] Tien AY, et al. **Am J Psychiatry** 1985 Dec;142(12):1516–7

Another case of alprazolam withdrawal syndrome [letter] Vital-Herne J, et al. **Am J Psychiatry** 1985 Dec; 142(12):1515

Tardive dyskinesia in young mentally retarded individuals. Gualtieri CT, et al. **Arch Gen Psychiatry** 1986 Apr; 43(4):335–40

Antihypertensive drug therapy withdrawal in a general population. Alderman MH, et al. **Arch Intern Med** 1986 Jul;146(7):1309–11

Abrupt withdrawal of atenolol in patients with severe angina: comparison with the effects of treatment [letter] Ashford A. **Br Heart J** 1986 Jan;55(1):112–3

Alpha receptors and ventricular tachycardia after clonidine withdrawal [letter] Nakagawa S, et al. **Br Heart J** 1986 Aug;56(2):194

Prolonged depersonalization following cannabis abuse [letter] Keshaven MS, et al. **Br J Addict** 1986 Feb;81(1):140–2

Abrupt withdrawal of beta-blockade therapy in patients with myocardial infarction: effects on infarct size, left ventricular function, and hospital course. Croft CH, et al. **Circulation** 1986 Jun;73(6):1281–90

Baclofen withdrawal and neuropsychiatric symptoms: a case report and review of other case literature. Swigar ME, et al. **Compr Psychiatry** 1986 Jul–Aug;27(4):396–400

Severe withdrawal syndrome after substitution of a short-acting benzodiazepine for a long-acting benzodiazepine. Bond WS, et al. **Drug Intell Clin Pharm** 1985 Oct;19(10):742–4

Non-convulsive status epilepticus after abrupt withdrawal of hypnotic-sedative drugs. Emre M, et al. **Eur Arch Psychiatry Neurol Sci** 1985;235(1):21–5

Cocaine infants: a new arrival at hospitals' step? Newald J. **Hospitals** 1986 Apr 5;60(7):96

Unipolar depression in the elderly. Reoccurrence on discontinuation of tricyclic antidepressants. Cook BL, et al. **J Affective Disord** 1986 Mar–Apr;10(2):91–4

Adverse reactions to sudden stoppage of drugs. Wahi S, et al. **J Assoc Physicians India** 1986 Mar;34(3):205–6

Urinary amine metabolite excretion in a patient with adrenergic hyperactivity state: reaction to phenelzine withdrawal and combined treatment. Modai I, et al. **J Clin Psychiatry** 1986 Feb;47(2):92–3

Withdrawal dyskinesia following amoxapine therapy [letter] Price WA, et al. **J Clin Psychiatry** 1986 Jun;47(6):329–30

Persistent abdominal complaints after discontinuation of phenothiazines [letter] Walls PD. **J Clin Psychiatry** 1986 Jan;47(1):48–9

Withdrawal reactions from oral flupenthixol [letter] Manchanda R. **J Clin Psychopharmacol** 1985 Oct; 5(5):309–11

Smoking cessation and weight gain. Hall SM, et al. **J Consult Clin Psychol** 1986 Jun;54(3):342–6

Seizures following the withdrawal of alprazolam. Noyes R Jr, et al. **J Nerv Ment Dis** 1986 Jan;174(1):50–2

Location of the mechanism of the clonidine withdrawal tachycardia in rats. Jonkman FA, et al. **J Pharm Pharmacol** 1985 Aug;37(8):580–2

A case of massive diphenhydramine abuse and withdrawal from use of the drug [letter] Feldman MD, et al. **JAMA** 1986 Jun 13;255(22):3119–20

Physical dependence on nicotine in gum. A placebo substitution trial. Hughes JR, et al. **JAMA** 1986 Jun 20; 255(23):3277–9

Long-term neurologic complications of metoclopramide [letter] Patel M, et al. **NY State J Med** 1986 Apr;86(4):210

Ethanol withdrawal tremor does not interact with physostigmine-induced tremor in rat. Gothoni P. **Pharmacol Biochem Behav** 1985 Sep;23(3):339–44

Low-level microwave irradiation attenuates naloxone-induced withdrawal syndrome in morphine-dependent rats. Lai H, et al. **Pharmacol Biochem Behav** 1986 Jan;24(1):151–3

Lorazepam: effects on sleep and withdrawal phenomena. Kales A, et al. **Pharmacology** 1986;32(3):121–30

Involvement of opioid and other systems in ethanol abstinence audiogenic seizures in the rat? Kotlińska J, et al. **Pol J Pharmacol Pharm** 1985 Mar–Apr;37(2):103–11

Characterization of the rebound hypertension following withdrawal of clonidine treatment. Hong E, et al. **Proc West Pharmacol Soc** 1985;28:23–5

Depression following withdrawal from long-term benzodiazepine use: a report of four cases. Olajide D, et al. **Psychol Med** 1984 Nov;14(4):937–40

Effects of withdrawal from long-term nicotine gum use. West RJ, et al. **Psychol Med** 1985 Nov;15(4):891–3

Alprazolam withdrawal insomnia. Slak S. **Psychol Rep** 1986 Apr;58(2):343–6

Dyskinesia associated with amoxapine withdrawal and use of carbamazepine and antihistamines. McMahon T. **Psychosomatics** 1986 Feb;27(2):145–6, 148

Rebound hypertension associated with transdermal clonidine and contact dermatitis [letter] White TM, et al. **West J Med** 1986 Jul;145(1):104

[Reaction to the sudden withdrawal of diazepam in patients with anxiety neurosis] Filip V, et al. **Cesk Psychiatr** 1986 Apr;82(2):101–5 (Eng. Abstr.) **(Cze)**

[Severe hypernatremia within the scope of catatonic schizophrenia] Trabert W, et al. **Fortschr Neurol Psychiatr** 1986 Jun;54(6):196–8 (Eng. Abstr.) **(Ger)**

[Digitalis therapy: prescription frequency, serum concentrations and withdrawal trials] Middeke M, et al. **Klin Wochenschr** 1985 Aug 16;63(16):775–80 (Eng. Abstr.) **(Ger)**

[Withdrawal symptoms after discontinuation of beta-adrenolytic drugs] Markiewicz A, et al. **Pol Tyg Lek** 1985 Dec 23–30;40(51–52):1452–5 (36 ref.) **(Pol)**

[Pharmacological analysis of the participation of the catecholaminergic system in the development of the abstinence syndrome in rats] Varkov AI. **Farmakol Toksikol** 1985 Nov–Dec;48(6):11–3 (Eng. Abstr.) **(Rus)**

[Organic cerebral syndrome caused by barbiturate deprivation (letter)] Rebollo M, et al. **Rev Clin Esp** 1985 Nov;177(8):424 **(Spa)**

[Withdrawal symptoms and behavioral disorders in children of mothers taking heroin/methadone during pregnancy] Bohlin AB, et al. **Lakartidningen** 1985 Aug 7; 82(32–33):2697–700 **(Swe)**

FAMILIAL & GENETIC

Bidirectional selection for susceptibility to ethanol withdrawal seizures in Mus musculus. Crabbe JC, et al. **Behav Genet** 1985 Nov;15(6):521–36

IMMUNOLOGY

[Significance of clinico-immunologic correlations in different stages of alcoholism] Balakhnina ES, et al. **Zh Nevropatol Psikhiatr** 1986;86(2):229–32 (Eng. Abstr.) **(Rus)**

METABOLISM

[3H]muscimol and [3H]quinuclidinyl benzilate binding in rat cortex in the abstinence after long-term barbital treatment. Nordberg A, et al. **Acta Physiol Scand** 1986 Jan; 126(1):153–6

Steroid profiles in urine and plasma of alcoholics during withdrawal. Cronholm T, et al. **Alcohol** 1985 Sep–Oct; 2(5):677–82

Glucose uptake in brain during withdrawal from ethanol, phenobarbital, and diazepam. Marietta CA, et al. **Alcoholism (NY)** 1986 Jun;10(3):233–6

Cerebral 2-deoxyglucose uptake in rats during ethanol withdrawal and postwithdrawal. Eckardt MJ, et al. **Brain Res** 1986 Feb 26;366(1–2):1–9

Changes in anterior pituitary hormone secretion and hypothalamic catecholamine metabolism during morphine withdrawal in the female rat. Gabriel SM, et al. **Brain Res** 1985 Oct 28;346(1):15–21

Adaptive changes in rat liver plasma membranes after chronic alcohol administration and its subsequent withdrawal. Lee H, et al. **Can J Physiol Pharmacol** 1986 Jan;64(1):85–92

Alcohol withdrawal and hypertension: evidence for a kidney abnormality. De Marchi S, et al. **Clin Sci** 1985 Aug; 69(2):239–40

Relations between muscimol, quinuclidinyl benzilate and nicotine binding sites in brain after very long treatment with ethanol in rats. Nordberg A, et al. **Eur J Pharmacol** 1985 Sep 24;115(2–3):301–4

Blood glucose and liver glycogen in the rat. Effects of chronic ethanol consumption and its withdrawal on the diurnal rhythms. Kaminsky YG, et al. **FEBS Lett** 1986 May 5;200(1):217–20

Limitation in glucose penetration from the liver into blood and other metabolic symptoms of ethanol withdrawal in rats. Kosenko EA, et al. **FEBS Lett** 1986 May 5; 200(1):210–6

A comparison between effects of chronic ethanol consumption, ethanol withdrawal and fasting in ethanol-fed rats on the free cytosolic NADP+/NADPH ratio and NADPH-regenerating enzyme activities in the liver. Kosenko EA, et al. **Int J Biochem** 1985;17(8):895–902

Brain benzodiazepine binding sites in ethanol dependent and withdrawal states. Tamborska E, et al. **Life Sci** 1986 Feb 3;38(5):465–72

Kinetics of the uptake of monoamines into synaptosomes from rat brain. Consequences of lithium treatment and withdrawal. Ahluwalia P, et al. **Neuropharmacology** 1985 Aug;24(8):713–20

[3H]Spiperone binding in the rat striatum during the development of physical dependence on phencyclidine and after withdrawal. Spain JW, et al. **Neurosci Lett** 1985 Jul 4;58(1):67–72

Morphine dependence and protracted abstinence: regional alterations in CNS radioligand binding. Carlson KR, et al. **Pharmacol Biochem Behav** 1985 Dec;23(6):1059–63

Brain catecholamines during ethanol administration, effect of naloxone on brain dopamine and norepinephrine responses to withdrawal from ethanol. Guaza C, et al. **Pharmacol Res Commun** 1985 Dec;17(12):1159–67

Levodopa withdrawal and the neuroleptic malignant syndrome [letter] Sandyk R, et al. **Postgrad Med J** 1986 Jul;62(729):701–1

Clinical conditions and central dopamine metabolism in alcoholics during acute withdrawal under treatment with different pharmacological agents. Borg S, et al. **Psychopharmacology (Berlin)** 1986;88(1):12–7

[Contractile function, glucose consumption and lactate release by the isolated rat heart during different regimens of alcohol administration and after discontinuation of ethanol] Nuzhnyi VP, et al. **Biull Eksp Biol Med** 1986 May; 101(5):575–8 (Eng. Abstr.) **(Rus)**

[NADP+/NADPH ratio in the rat liver in chronic alcohol consumption and withdrawal] Kosenko EA, et al. **Vopr Med Khim** 1985 Nov–Dec;31(6):30–4 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Pre-abstinence smoke intake and smoking motivation as predictors of severity of cigarette withdrawal symptoms. West RJ, et al. **Psychopharmacology (Berlin)** 1985; 87(3):334–6

PHYSIOPATHOLOGY

Insulin secretion in alcoholics in a withdrawal state. Adner N, et al. **Acta Med Scand** 1986;219(2):201–7

Harmine-, LON-954- and 5-hydroxytryptophan-induced tremors in rats withdrawn from ethanol. Gothóni P. **Acta Pharmacol Toxicol (Copenh)** 1985 Jul;57(1):40–6

Narcotic withdrawal syndrome in young adults after the therapeutic use of opiates. Miser AW, et al. **Am J Dis Child** 1986 Jun;140(6):603–4

Focal brain stimulation attenuates morphine withdrawal behaviors. Beaulieu CL, et al. **Behav Neurosci** 1986 Aug; 100(4):504–11

Reversal of abnormal dexamethasone suppression test in alcoholics abstinent for four weeks. Del Porto JA, et al. **Biol Psychiatry** 1985 Nov;20(11):1156–60

Opiate abstinence head-shaking model in infant rats. Pérez-Saad H, et al. **Bol Estud Med Biol** 1984–85; 33(1–8):13–24

Benzhexol withdrawal and cholinergic mechanisms in depression. Keshavan MS, et al. **Br J Psychiatry** 1985 Nov; 147:560–4

Convulsive and non-convulsive ethanol withdrawal behaviour in rats with lesions of the noradrenergic locus coeruleus system. Clemmesen L, et al. **Brain Res** 1985 Oct 28;346(1):164–7

Behavioural and chemical changes in mice during morphine dependence development, withdrawal and naloxone administration. Mohanakumar KP, et al. **Cell Mol Biol** 1985;31(6):463–8

A possible phagocytic role for folliculo-stellate cells of anterior pituitary following estrogen withdrawal from primed male rats. Stokreef JC, et al. **Cell Tissue Res** 1986; 243(2):255–61

Are orthostatic hypotension and impaired blood pressure control common features of the alcohol withdrawal syndrome? [letter] De Marchi S, et al. **Clin Sci** 1986 Feb; 70(2):213–4

Types of alcohol withdrawal syndrome and dexamethasone suppresion test. Burov YV, et al. **Drug Alcohol Depend** 1986 May;17(1):81–8

Chronic clonidine treatment and its withdrawal: effects on blood pressure and catecholamine synthesizing enzymes in brain-stem nuclei. Atkinson J, et al. **Eur J Pharmacol** 1986 Feb 11;121(1):97–106

Spontaneous morphine withdrawal from the rat spinal cord. Marshall DC, et al. **Experientia** 1985 Sep 15;41(9):1151–2

Caffeine consumption, withdrawal and cerebral blood flow. Mathew RJ, et al. **Headache** 1985 Sep;25(6):305–9

Regimen for the control of blood pressure and symptoms during clonidine withdrawal. Campbell BC, et al. **Int J Clin Pharmacol Res** 1985;5(4):215–22

Haemodynamic rebound phenomena after abrupt cessation of propranolol therapy in portal hypertensive rats. Lee SS, et al. **J Hepatol** 1986;3(1):38–41

Blood pressure and pressor mechanisms during alcohol withdrawal. Potter JF, et al. **J Hypertension [Suppl]** 1983 Dec;1(2):97–9

GABAergic modulation of inferior colliculus excitability: role in the ethanol withdrawal audiogenic seizures. Frye GD, et al. **J Pharmacol Exp Ther** 1986 May;237(2):478–85

N-desmethyldiazepam physical dependence in dogs. McNicholas LF, et al. **J Pharmacol Exp Ther** 1985 Nov; 235(2):368–76

Modification of morphine withdrawal: effect of tuftsin, [Lys4]-tuftsinyltuftsin, tetrapeptide fragment (1–4) of substance P and its amide. Aronowski J, et al. **Life Sci** 1985 Oct 28;37(17):1649–53

Inhibition by indomethacin of naloxone-precipitated opiate withdrawal contraction in isolated guinea pig myenteric plexus-longitudinal muscle preparation. Krakow MS, et al. **Life Sci** 1986 Jul 21;39(3):243–7

Ethanol withdrawal tremor potentiates the tremorogenic action of nicotine. Gothóni P, et al. **Med Biol** 1985; 63(3):131–6

The caffeine withdrawal flush: report of a case of "weekend flushing". Wilkin JK. **Milit Med** 1986 Feb;151(2):123–4

Alcohol withdrawal and blood pressure. Jackson G, et al. **Mt Sinai J Med (NY)** 1986 Apr;53(4):267–70

Methaqualone withdrawal syndrome with photoparoxysmal responses and high-amplitude visual evoked potentials. Faught E. **Neurology** 1986 Aug;36(8):1127–9

Effects of haloperidol on morphine-induced antinociception morphine tolerance and withdrawal in hyperprolactinaemic rats. Drago F, et al. **Neuropharmacology** 1985 Nov; 24(11):1027–31

Central nervous system supersensitivity and withdrawal from long-term treatment with barbital. Sandoval MR, et al. **Neuropharmacology** 1985 Dec;24(12):1247–51

Dorsal root lesions block the expression of morphine withdrawal elicited from the rat spinal cord. Buccafusco JJ, et al. **Neurosci Lett** 1985 Sep 6;59(3):319–24

The role of arginine vasopressin in alcohol dependence and withdrawal. Ruwe WD, et al. **Peptides** 1985 Nov–Dec; 6(6):1043–9

Phencyclidine-induced wet-dog shakes observed in rats after withdrawal from reserpine treatment. Nabeshima T, et al. **Pharmacol Biochem Behav** 1986 May;24(5):1275–9

REM sleep deprivation decreases the grooming and shaking behaviour induced by enkephalinase inhibitor or opiate withdrawal. Ukponmwan OE, et al. **Pharmacol Biochem Behav** 1985 Sep;23(3):385–9

Involvement of brain histamine in delta 9-tetrahydrocannabinol tolerance and withdrawal. Verberne AJ, et al. **Pharmacol Biochem Behav** 1985 Aug; 23(2):153–9

Comparison of abstinence syndromes following chronic administration of mu and kappa opioid agonists in the rat. Young GA, et al. **Pharmacol Biochem Behav** 1985 Sep; 23(3):457–60

Membrane tolerance to ethanol is rapidly lost after withdrawal: a model for studies of membrane adaptation. Taraschi TF, et al. **Proc Natl Acad Sci USA** 1986 Jun; 83(11):3669–73

The alcohol withdrawal syndrome. A view from the laboratory. Goldstein DB. **Recent Dev Alcohol** 1986; 4:231–40

Clinical neuroendocrinology and neuropharmacology of alcohol withdrawal. Wilkins JN, et al. **Recent Dev Alcohol** 1986;4:241–63

[EEG changes in the withdrawal phase of tranquilizer or drug abuse] Logar C, et al. **EEG EMG** 1986 Mar; 17(1):37–40 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Substitution therapy of opioid withdrawal. Blix O. **Acta Psychiatr Scand [Suppl]** 1986;327:74–9

Clonidine in morphine withdrawal. Differential effects on signs and symptoms. Jasinski DR, et al. **Arch Gen Psychiatry** 1985 Nov;42(11):1063–6

Calcium channel inhibitors suppress the morphine-withdrawal syndrome in rats. Bongianni F, et al. **Br J Pharmacol** 1986 Jul;88(3):561–7

Mianserin attenuates naloxone-precipitated withdrawal signs in rats acutely or chronically dependent upon morphine. Neal BS, et al. **J Pharmacol Exp Ther** 1986 Jan; 236(1):157–65

Comparative effects of thyrotropin releasing hormone, MK-771 and DN-1417 on morphine abstinence syndrome. Bhargava HN, et al. **Psychopharmacology (Berlin)** 1985; 87(2):141–6

Effects of clonidine and morphine on opioid withdrawal in rhesus monkeys. Katz JL. **Psychopharmacology (Berlin)** 1986;88(3):392–7

[Use of presynaptic alpha-mimetics for withdrawal in heroin addicts] Gorceix A, et al. **Ann Med Interne (Paris)** 1985; 136(5):389–92 (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

Prevalence and diagnostic reliability of methadone maintenance detoxification fear. Milby JB, et al. **Am J Psychiatry** 1986 Jun;143(6):739–43

Assessment and extinction of conditioned withdrawal-like responses in an integrated treatment for opiate dependence. Childress AR, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;55:202–10

Characterization of tobacco withdrawal: physiological and subjective effects. Hatsukami D, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1985;53:56–67

Opiate dependence and withdrawal--a new synthesis? Hendrie CA. **Pharmacol Biochem Behav** 1985 Nov; 23(5):863–70

Similarities in feeding behavior of chronic methamphetamine treated and withdrawn rats to VMH lesioned rats. Kraeuchi K, et al. **Pharmacol Biochem Behav** 1985 Dec;23(6):917–20

[Psychopathologic changes in chronic schizophrenic patients following withdrawal of neuroleptics: relation to therapeutic, neuroendocrine and computer tomography variables] Albus M, et al. **Fortschr Neurol Psychiatr** 1986 Jan;54(1):15–20 (Eng. Abstr.) **(Ger)**

REHABILITATION

The influence of chlormethiazole on the neuro-endocrine system in chronic alcoholics. Majumdar SK. **Acta Psychiatr Scand [Suppl]** 1986;329:69–72

Comparison of clinician ratings to self reports of withdrawal during clonidine detoxification of opiate addicts. Kosten

TR, et al. **Am J Drug Alcohol Abuse** 1985;11(1-2):1-10
Rapid narcotic detoxification in chronic pain patients treated with auricular electroacupuncture and naloxone. Kroening RJ, et al. **Int J Addict** 1985 Sep;20(9):1347-60
Extinguishing conditioned responses during opiate dependence treatment turning laboratory findings into clinical procedures. McLellan AT, et al. **J Subst Abuse Treat** 1986;3(1):33-40
[Clonidine in opiate withdrawal syndrome] Benos J. **Fortschr Med** 1985 Nov 14;103(42):991-4 (Eng. Abstr.) **(Ger)**

THERAPY

Evaluation on the treatment of morphine addiction by acupuncture Chinese herbs and opioid peptides. Yang MM, et al. **Am J Chin Med** 1986;14(1-2):46-50
Narcotic withdrawal in the emergency department. Freitas PM. **Am J Emerg Med** 1985 Sep;3(5):456-60 (76 ref.)
Opiate withdrawal: inpatient versus outpatient programmes [letter] **Br Med J [Clin Res]** 1986 Aug 23;293(6545):505-6
Opiate withdrawal: inpatient versus outpatient programmes and preferred versus random assignment to treatment. Gossop M, et al. **Br Med J [Clin Res]** 1986 Jul 12; 293(6539):103-4
Sedative/hypnotic dependence: patient stabilization, tolerance testing, and withdrawal. Perry PJ, et al. **Drug Intell Clin Pharm** 1986 Jul-Aug;20(7-8):532-7
Methadone in pregnancy: clinical-toxicological aspects. Offidani C, et al. **J Toxicol Clin Toxicol** 1986;24(4):295-303
The management of alcohol withdrawal. Foy A. **Med J Aust** 1986 Jul 7;145(1):24-7 (38 ref.)
Treatment of alcohol withdrawal. **Med Lett Drugs Ther** 1986 Aug 1;28(719):75-6
A cost-effective community model for treating alcohol withdrawal syndrome: a preliminary report. Martin JP, et al. **NC Med J** 1985 Sep;46(9):487-9
Treating alcohol, barbiturate, and benzodiazepine withdrawal. Sullivan JT, et al. **Ration Drug Ther** 1986 Feb; 20(2):1-9
Management of benzodiazepine dependence. Moodley P, et al. **S Afr Med J** 1986 Apr 26;69(9):563-4
[Difficulties with in-hospital detoxification therapy of drug-addicted youths (letter)] Kiszékelyi O, et al. **Orv Hetil** 1985 Dec 22;126(51):3185-6 **(Hun)**
[Neuropeptides in the treatment of alcoholism and alcoholic psychoses] Sluchevskiĭ FI, et al. **Zh Nevropatol Psikhiatr** 1986;86(2):244-7 (Eng. Abstr.) **(Rus)**
[Analgesia-anesthesia in the pregnant heroin addict at term. Resuscitation of the newborn infant] Fábregas Juliá N, et al. **Rev Esp Anestesiol Reanim** 1985 Nov-Dec;32(6):292-5 (Eng. Abstr.) **(Spa)**

URINE

The role of salsolinol in alcohol intake and withdrawal. Clow A, et al. **Prog Clin Biol Res** 1985;183:101-13

SUBSTANTIA GELATINOSA see under **SPINAL CORD**

SUBSTANTIA INNOMINATA see under **BASAL GANGLIA**

SUBSTANTIA NIGRA

Brain glutathione peroxidase in neurodegenerative disorders. Kish SJ, et al. **Neurochem Pathol** 1986 Feb;4(1):23-8
Differential time-course of reaction time recovery depending on variations in the amplitude of a goal-directed movement after nigrostriatal lesion in monkeys. Apicella P, et al. **Neurosci Lett** 1986 Jul 11;68(1):79-84
The toxic actions of MPTP and its metabolite MPP+ are not mimicked by analogues of MPTP lacking an N-methyl moiety. Bradbury AJ, et al. **Neurosci Lett** 1985 Oct 24; 61(1-2):121-6
Survival of intracerebrally grafted rat dopamine neurons previously cultured in vitro. Brundin P, et al. **Neurosci Lett** 1985 Oct 24;61(1-2):79-84
Transplants in the peri- and intraventricular region grow better than those in the central parenchyma of the caudate. Nishino H, et al. **Neurosci Lett** 1986 Feb 28;64(2):184-90
Chronic organic manganese administration in the rat does not damage dopaminergic nigrostriatal neurons. Yong VW, et al. **Neurotoxicology** 1986 Spring;7(1):19-24
[Clinical features of "multiple system atrophies"—olivo-ponto-cerebellar atrophy, striato-nigral degeneration and Shy-Drager syndrome] Hirayama K, et al. **Rinsho Shinkeigaku** 1985 Oct;25(10):1196-203 (Eng. Abstr.) **(Jpn)**
[A comparative study of the autonomic disturbance in "multiple system atrophy": I. Cardiovascular system] Kita K, et al. **Rinsho Shinkeigaku** 1986 Mar;26(3):228-36 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Changes in dynorphin, enkephalin and cholecystokinin content of hippocampus and substantia nigra after amygdala kindling. Iadarola MJ, et al. **Brain Res** 1986 Feb 12; 365(1):185-91
The localization and characterization of substance P and substance K in striatonigral neurons. Lee JM, et al. **Brain Res** 1986 Apr 16;371(1):152-4
Comparison of the substance P- and dynorphin-containing projections to the substantia nigra: a radioimmunocytochemical and biochemical study. McLean S, et al. **Brain Res** 1985 Dec 30;361(1-2):185-92
Opioid peptides in Huntington's disease: alterations in prodynorphin and proenkephalin system. Seizinger BR, et al. **Brain Res** 1986 Jul 23;378(2):405-8
Dynorphin peptides in human substantia nigra. Christensson-Nylander I, et al. **Neuropeptides** 1985 Sep; 6(5):391-6
Striato-nigral denervation increases type II benzodiazepine receptors in the substantia nigra of the rat. Corda MG, et al. **Neuropharmacology** 1986 Jan;25(1):59-62
Steady state levels of pro-dynorphin-related end products in the striatum and substantia nigra of the adult rhesus monkey. Dores RM, et al. **Peptides** 1985;6 Suppl 2:143-8
Tachykinin multiplicity in rat central nervous system as studied using antisera raised against substance P and neurokinin A. Brodin E, et al. **Regul Pept** 1986 Feb; 13(3-4):253-72

ANATOMY & HISTOLOGY

Glutamic acid decarboxylase and enkephalin immunoreactive axon terminals in the rat neostriatum synapse with striatonigral neurons. Aronin N, et al. **Brain Res** 1986 Feb 12;365(1):151-8
A microiontophoretic study on the nature of the putative synaptic neurotransmitter involved in the pedunculopontine-substantia nigra pars compacta excitatory pathway of the rat. Scarnati E, et al. **Exp Brain Res** 1986;62(3):470-8
Morphology and topography of substantia nigra in Insectivora. Galert D. **Folia Morphol (Warsz)** 1985; 44(3-4):186-93
Nuclear configuration and neuronal types of the nucleus niger in the brain of the human adult. Braak H, et al. **Hum Neurobiol** 1986;5(2):71-82
Organization of the nigrothalamocortical system in the rhesus monkey. Ilinsky IA, et al. **J Comp Neurol** 1985 Jun 15; 236(3):315-30
Telencephalic projections from midbrain and isthmal cell groups in the pigeon. II. The nigral complex. Kitt CA, et al. **J Comp Neurol** 1986 May 1;247(1):92-110
Evidence for an anterograde transport of the fluorescent tracer Fast Blue in the strio-nigro-striatal loop of the rat. Sloniewski P, et al. **Neurosci Lett** 1985 Sep 30;60(2):189-93
Dissociation of crossed and uncrossed nigrostriatal projections with respect to site of origin in the rat. Morgan S, et al. **Neuroscience** 1986 Mar;17(3):609-14

BLOOD SUPPLY

A histochemical examination of the metabolic profiles of rat ventral tegmental area and substantia nigra arterioles. Cannon MS, et al. **Neurosci Lett** 1986 Feb 14;64(1):91-6

CYTOLOGY

Axon terminal clustering in nigrostriatal double grafts. Jaeger CB. **Brain Res** 1986 Jan;389(1-2):309-14
Relationship between interhemispheric nigrostriatal projections and the direction of rotational behavior induced by amphetamine. Morgan S, et al. **Exp Neurol** 1985 Oct; 90(1):149-61
The neostriatal mosaic. I. Compartmental organization of projections from the striatum to the substantia nigra in the rat. Gerfen CR. **J Comp Neurol** 1985 Jun 22;236(4):454-76
Distribution and morphology of tegmental neurons receiving nigral inhibitory inputs in the cat: an intracellular HRP study. Noda T, et al. **J Comp Neurol** 1986 Feb 8; 244(2):254-66
Stimulation of the lateral habenula inhibits dopamine-containing neurons in the substantia nigra and ventral tegmental area of the rat. Christoph GR, et al. **J Neurosci** 1986 Mar;6(3):613-9
Endogenous dopamine can modulate inhibition of substantia nigra pars reticulata neurons elicited by GABA iontophoresis or striatal stimulation. Waszczak BL, et al. **J Neurosci** 1986 Jan;6(1):120-6
Fetal neuronal grafts in monkeys given methylphenyltetrahydropyridine. Redmond DE, et al. **Lancet** 1986 May 17;1(8490):1125-7
Co-cultivation of astroglial enriched cultures from striatum and neuronal containing cultures from substantia nigra. Hansson E. **Life Sci** 1986 Jul 21;39(3):269-77
Dopamine D-2 receptor-mediated excitation of caudate nucleus neurons from the substantia nigra. Ohno Y, et al. **Life Sci** 1985 Oct 21;37(16):1515-21
Cholinergic neurons in the rat substantia nigra. Gould E, et al. **Neurosci Lett** 1986 Jan 30;63(3):315-9
[Collateralization of the nigrostriatal projection studied by the method using double labelling of neurons] Druga R. **Sb Lek** 1985 Nov;87(11-12):311-7 (Eng. Abstr.) **(Cze)**
[Neuronal types of rat substantia nigra and striatum and effects on them of chronic chlorpromazine administration. Quantitative light and electron microscopic morphometry] Yoshida H. **Fukuoka Igaku Zasshi** 1986 Feb;77(2):144-72 (Eng. Abstr.) **(Jpn)**
[Microscopy of retrograde fluorochrome-labeled neurons in thin brain slices] Malkiĭ VA, et al. **Fiziol Zh** 1985 Jul-Aug; 31(4):500-3 **(Rus)**

DRUG EFFECTS

Application of acetylcholinesterase to the substantia nigra induces stereotypy in rats. Weston J, et al. **Behav Brain Res** 1985 Oct-Nov;18(1):71-4
Conditioned rotational behavior in rats with unilateral 6-hydroxydopamine lesions of the substantia nigra. Carey RJ. **Brain Res** 1986 Feb 19;365(2):379-82
Increase of dopamine turnover in bilateral striata after unilateral injection of haloperidol into substantia nigra of unrestrained rats. Ishii K, et al. **Brain Res** 1985 Dec 16; 359(1-2):260-6
Denervation-like postsynaptic supersensitivity to dopamine agonists induced by microinjection of colchicine into the substantia nigra pars compacta. Kamata K, et al. **Brain Res** 1986 Mar 5;367(1-2):1-7
Contralateral circling behavior induced by intranigral microinjections of taurine and GABA in rats. Kamata K, et al. **Brain Res** 1985 Sep 23;343(2):275-82
Electrophysiological changes in substantia nigra after dynorphin administration. Lavin A, et al. **Brain Res** 1986 Mar 26;369(1-2):298-302
Low doses of ethanol inhibit the firing of neurons in the substantia nigra, pars reticulata: a GABAergic effect? Mereu G, et al. **Brain Res** 1985 Dec 23;360(1-2):325-30
Non-dopaminergic mechanisms in the turning behavior evoked by intranigral opiates. Morelli M, et al. **Brain Res** 1985 Aug 26;341(2):350-9
Effects on the caudate spindle in rats of taurine and gamma-aminobutyric acid (GABA) microinjected into the substantia nigra: involvement of the dopaminergic system. Okuyama S, et al. **Brain Res** 1985 Sep 9;342(2):366-8
Fate of nigrostriatal neurons in young mature mice given 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine: a neurochemical and morphological reassessment. Ricaurte GA, et al. **Brain Res** 1986 Jun 18;376(1):117-24
Susceptibility to seizures produced by pilocarpine in rats after microinjection of isoniazid or gamma-vinyl-GABA into the substantia nigra. Turski L, et al. **Brain Res** 1986 Apr 9;370(2):294-309
Substantia nigra and entopeduncular nucleus: supraspinal sites of the muscle relaxant action of tizanidine. Turski L, et al. **Brain Res** 1986 Aug 6;379(2):367-71
Brain dopamine activity following intranigral or intrathalamic drug injections in the rat. Kilpatrick IC, et al. **Brain Res Bull** 1985 Dec;15(6):553-61
Comparative toxicity of MPTP, MPP+ and 3,3-dimethyl-MPDP+ to dopaminergic neurons of the rat substantia nigra. Sayre LM, et al. **Eur J Pharmacol** 1986 May 13;124(1-2):171-4
Anterograde transport of horseradish peroxidase in the nigrostriatal pathway after neostriatal kainic acid lesions. Walker PD, et al. **Exp Neurol** 1986 Aug;93(2):334-47
Synthesis and toxicity toward nigrostriatal dopamine neurons of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) analogues. Fries DS, et al. **J Med Chem** 1986 Mar; 29(3):424-7
Neuropharmacological manipulations with MPTP. Barnes NJ, et al. **J Neural Transm [Suppl]** 1986;20:47-63
Prevention of the nigrostriatal toxicity of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine by inhibitors of 3,4-dihydroxyphenylethylamine transport. Mayer RA, et al. **J Neurochem** 1986 Oct;47(4):1073-9
Induction of depolarization block in midbrain dopamine neurons by repeated administration of haloperidol: analysis using in vivo intracellular recording. Grace AA, et al. **J Pharmacol Exp Ther** 1986 Sep;238(3):1092-100
SCH23390 effects on apomorphine-induced responses of nigral dopaminergic neurons. Napier TC, et al. **J Pharmacol Exp Ther** 1986 Mar;236(3):838-45
In vivo voltammetric study of dopamine release in the striatum following microinjection of apomorphine into the substantia nigra zona reticulata. Kamata K, et al. **Jpn J Pharmacol** 1986 Mar;40(3):472-7
Transient contralateral rotation following unilateral substantia nigra lesion reflects susceptibility of the nigrostriatal system to exhaustion by amphetamine. Mintz M, et al. **Life Sci** 1986 Jul 7;39(1):69-76
delta 9-Tetrahydrocannabinol elicited ipsilateral circling behavior in rats with unilateral nigral lesion. Sakurai Y, et al. **Life Sci** 1985 Dec 9;37(23):2181-5
1-methyl-4-phenylpyridine is neurotoxic to the nigrostriatal dopamine pathway. Bradbury AJ, et al. **Nature** 1986 Jan 2-8;319(6048):56-7
Muscimol microinfused into the nigrotegmental target area blocks selected components of behavior elicited by amphetamine or cocaine. Bachus SE, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Jun; 333(2):143-8
Dissociation between circling behaviour and striatal dopamine activity following unilateral deltamethrin administration to rats. Brodie ME, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Dec; 331(4):341-6
Evaluation of the role of antinociception in self-injurious behavior following intranigral injection of muscimol. Frye GD, et al. **Neuropharmacology** 1986 Jul;25(7):717-26
The neurotoxic actions of 6-hydroxydopamine infused into the rat substantia nigra. Bradbury AJ, et al. **Neurosci Lett** 1986 Jun 18;67(2):208-12
Effects of N-methyl-4-phenyl-1,2,3,6-tetrahydropyridine and its metabolite, N-methyl-4-phenylpyridinium ion, on dopaminergic nigrostriatal neurons in the mouse. Perry TL,

et al. **Neurosci Lett** 1985 Aug 5;58(3):321–6
Partial protection from the dopaminergic neurotoxin N–methyl–4–phenyl–1,2,3,6–tetrahydropyridine by four different antioxidants in the mouse. Perry TL, et al. **Neurosci Lett** 1985 Sep 30;60(2):109–14
Injury of nigral neurons exposed to 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine: a tyrosine hydroxylase immunocytochemical study in monkey. Kitt CA, et al. **Neuroscience** 1986 Apr;17(4):1089–103
The effects of thyrotropin releasing hormone on rats with lesions of the mesolimbic and nigrostriatal dopamine systems. Andrews JS, et al. **Physiol Behav** 1985 Jul; 35(1):93–7
Apomorphine anorexia: a behavioural and neuropharmacological analysis. Willner P, et al. **Psychopharmacology (Berlin)** 1985;87(3):351–6
Progesterone action on the LHRH and the nigrostriatal dopamine neuronal systems: in vitro and in vivo studies. Ramirez VD, et al. **Recent Prog Horm Res** 1985;41:421–72 (110 ref.)

EMBRYOLOGY

Maturation of dopaminergic neurons in dissociated cultures of mouse substantia nigra. Victorov I, et al. **Neuropatol Pol** 1986;24(1):9–15

ENZYMOLOGY

Changes in tyrosine hydroxylase, glutamic acid decarboxylase and choline acetyltransferase after local microinoculation of scrapie agent into the nigrostriatal system of the golden hamster. Durand–Gorde JM, et al. **Brain Res** 1985 Aug 26;341(2):243–51
Neurotoxic effects of N–methyl–4–phenyl–1,2,3,6–tetrahydropyridine (MPTP) in the cat. Tyrosine hydroxylase immunohistochemistry. Schneider JS, et al. **Brain Res** 1986 May 14;373(1–2):258–67
Effects of chronic methamphetamine on the nigral–striatal dopamine system in rat brain: tyrosine hydroxylase immunochemistry and quantitative light microscopic studies. Trulson ME, et al. **Brain Res Bull** 1985 Dec; 15(6):569–77
Estrogen effects on nigral glutamic acid decarboxylase activity: a possible role for catecholestrogen. Nicoletti F, et al. **Eur J Pharmacol** 1985 Sep 24;115(2–3):297–300
Release of acetylcholinesterase in the rat nigrostriatal pathway: relation to receptor activation and firing rate. Weston J, et al. **Neuroscience** 1986 Apr;17(4):1079–88

IMMUNOLOGY

Monoclonal antibodies raised against Lewy bodies in brains from subjects with Parkinson's disease. Hirsch E, et al. **Brain Res** 1985 Oct 21;345(2):374–8
Ultrastructural localization of enkephalin immunoreactivity in the substantia nigra of the monkey. Inagaki S, et al. **Brain Res** 1986 Jan 1;362(1):171–4

INJURIES

Acute effects of GM1 ganglioside: reduction in both behavioral asymmetry and loss of Na+, K+–ATPase after nigrostriatal transection. Li YS, et al. **Brain Res** 1986 Jul 9;377(2):292–7
GM1 gangliosides stimulate neuronal reorganization and reduce rotational asymmetry after hemitransections of the nigro–striatal pathway. Sabel BA, et al. **Exp Brain Res** 1985;60(1):27–37

METABOLISM

Effects of lesions and ganglioside GM1 treatment on striatal polyamine levels and nigral DA neurons. A role of putrescine in the neurotropic activity of gangliosides. Agnati LF, et al. **Acta Physiol Scand** 1985 Aug; 124(4):499–506
Parkinson's disease: nigral receptor changes support peptidergic role in nigrostriatal modulation. Uhl GR, et al. **Ann Neurol** 1986 Aug;20(2):194–203
Autoradiographic evidence for nicotine receptors on nigrostriatal and mesolimbic dopaminergic neurons. Clarke PB, et al. **Brain Res** 1985 Dec 2;348(2):355–8
Iron concentration reduced in ventral pallidum, globus pallidus, and substantia nigra by GABA–transaminase inhibitor, gamma–vinyl GABA. Hill JM. **Brain Res** 1985 Sep 2;342(1):18–25
[3H]Nitrendipine binding sites are decreased in the substantia nigra and striatum of the brain from patients with Parkinson's disease. Nishino N, et al. **Brain Res** 1986 Jul 2;377(1):186–9
The co–occurrence of substance P–like immunoreactivity and dynorphin–like immunoreactivity in striatopallidal and striatonigral projection neurons in birds and reptiles. Reiner A. **Brain Res** 1986 Apr 16;371(1):155–61
GABA axons in synaptic contact with dopamine neurons in the substantia nigra: double immunocytochemistry with biotin–peroxidase and protein A–colloidal gold. van den Pol AN, et al. **Brain Res** 1985 Nov 25;348(1):146–54
GM1 monosialoganglioside inner ester induces early recovery of striatal dopamine uptake in rats with unilateral nigrostriatal lesion. Raiteri M, et al. **Eur J Pharmacol** 1985 Dec 3;118(3):347–50
Age–related substantia nigra–mediated seizure facilitation. Okada R, et al. **Exp Neurol** 1986 Jul;93(1):180–7
Dopamine antagonist haloperidol decreases substance P, substance K, and preprotachykinin mRNAs in rat striatonigral neurons. Bannon MJ, et al. **J Biol Chem** 1986 May 25;261(15):6640–2
Evidence for dopamine release and metabolism beyond the control of nerve impulses and dopamine receptors in rat substantia nigra. Nissbrandt H, et al. **J Pharm Pharmacol** 1985 Dec;37(12):884–9
3H–SCH 23390 binding sites in the rat substantia nigra: evidence for a presynaptic localization and innervation by dopamine. Porceddu ML, et al. **Life Sci** 1986 Jul 28; 39(4):321–8
Opioid binding sites in the nigrostriatal system of the guinea pig are not located on nigral dopaminergic neurons. Foote RW, et al. **Neurosci Lett** 1986 Apr 24;65(3):341–5
Idiopathic Parkinson's disease, progressive supranuclear palsy and glutathione metabolism in the substantia nigra of patients. Perry TL, et al. **Neurosci Lett** 1986 Jun 30; 67(3):269–74
[Pethidine and parkinsonism. 1–Metyl–4–phenyl–1,2,3,6–tetrahydroxypyridine, a new neurotoxin] Hunskår S. **Tidsskr Nor Laegeforen** 1986 Jan 30;106(3):219–20 (Eng. Abstr.) **(Nor)**
[Role of the presynaptic receptors in the control of dopamine synthesis in the striate complex and nucleus accumbens] Palarea MD, et al. **Rev Esp Fisiol** 1986 Mar;42(1):71–5 (Eng. Abstr.) **(Spa)**

PATHOLOGY

A quantitative and ultrastructural study of substantia nigra and nucleus centralis superior in Alzheimer's disease. Tabaton M, et al. **Acta Neuropathol (Berl)** 1985; 68(3):218–23
Lipid peroxidation as cause of nigral cell death in Parkinson's disease [letter] Dexter D, et al. **Lancet** 1986 Sep 13; 2(8507):639–40
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 16–1986. A 76–year–old woman with a progressive neurologic disorder of 12 years' duration. **N Engl J Med** 1986 Apr 24;314(17):1101–11
[Hallervorden–Spatz disease with Lewy bodies] Antoine JC, et al. **Rev Neurol (Paris)** 1985;141(12):806–9 (Eng. Abstr.) **(Fre)**
[Olivo–ponto–cerebellar and striato–nigral atrophy. 3 anatomo–clinical cases. Review of the literature] Kohler A. **Schweiz Arch Neurol Psychiatr** 1986;137(2):15–42 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Alterations in ingestive behaviour following basal ganglia stimulation in cats. Gravante G, et al. **Acta Neurol (Napoli)** 1985 Oct;7(5):381–93
The influence of estrogen on nigrostriatal dopamine activity: behavioral and neurochemical evidence for both pre– and postsynaptic components. Becker JB, et al. **Behav Brain Res** 1986 Jan;19(1):27–33
Hemispheric disconnection and rotational behaviour. Mintz M, et al. **Behav Brain Res** 1985 Oct;17(3):257–63
Effect of forebrain commissurotomy on recovery from unilateral 6–OHDA lesions of the substantia nigra and circling induced by apomorphine. Steiner H, et al. **Behav Brain Res** 1985 Oct;17(3):245–9
Reinstatement of orienting behavior by d–amphetamine in rats with superior colliculus lesions. Midgley GC, et al. **Behav Neurosci** 1986 Apr;100(2):246–55
Electrophysiological actions of nicotine on substantia nigra single units. Clarke PB, et al. **Br J Pharmacol** 1985 Aug; 85(4):827–35
Unilateral peri–substantia nigra catecholaminergic lesion and amygdala kindling. Albala BJ, et al. **Brain Res** 1986 Apr 9;370(2):388–92
Involvement of the midbrain reticular formation in self–injurious behavior, stereotyped behavior, and analgesia induced by intranigral microinjection of muscimol. Baumeister AA, et al. **Brain Res** 1986 Mar 26; 369(1–2):231–42
Enhancement of glutamate release in the rat striatum following electrical stimulation of the nigrothalamic pathway. Girault JA, et al. **Brain Res** 1986 May 28; 374(2):362–6
Separation of the motor consequences from other actions of unilateral 6–hydroxydopamine lesions in the nigrostriatal neurones of rat brain. Hamilton MH, et al. **Brain Res** 1985 Dec 2;348(2):220–8
Implantation of PC12 cells into the corpus striatum of rats with lesions of the dopaminergic nigrostriatal neurons. Hefti F, et al. **Brain Res** 1985 Dec 2;348(2):283–8
Tryptamine depletion in the rat striatum following electrolytic lesions of the substantia nigra. Juorio AV, et al. **Brain Res** 1986 Apr 23;371(2):385–9
Electrical membrane properties of rat substantia nigra compacta neurons in an in vitro slice preparation. Kita T, et al. **Brain Res** 1986 Apr 30;372(1):21–30
Stimulation of the subthalamic nucleus enhances the release of dopamine in the rat substantia nigra. Mintz I, et al. **Brain Res** 1986 Jun 25;376(2):406–8
Substantia nigra dopaminergic unit activity in behaving cats: effect of arousal on spontaneous discharge and sensory evoked activity. Strecker RE, et al. **Brain Res** 1985 Dec 30;361(1–2):339–50
The effects of L–DOPA on regional cerebral glucose utilization in rats with unilateral lesions of the substantia nigra. Trugman JM, et al. **Brain Res** 1986 Aug 6; 379(2):264–74
Lack of relationship between the direction of operant turning and horseradish peroxidase uptake by crossed nigro–striatal projections. Morgan S, et al. **Brain Res Bull** 1985 Nov; 15(5):515–8
Simultaneous recording of substantia nigra neurons and voltammetric release of dopamine in the caudate of behaving cats. Trulson ME. **Brain Res Bull** 1985 Aug; 15(2):221–3
Effects of substantia nigra lesions on the volumes of A, B, and D cells and the content of insulin and glucagon in the rat pancreas. Davis BJ, et al. **Diabetologia** 1985 Oct; 28(10):756–62
Evidence for a functional role of dopamine type–1 (D–1) receptors in the substantia nigra of rats. Matthews RT, et al. **Eur J Pharmacol** 1986 Jan 14;120(1):87–93
Activity of neurons in the cat substantia nigra pars reticulata during drinking. Joseph JP, et al. **Exp Brain Res** 1985; 60(2):375–9
Relationship of changes in spontaneous motor activity to spontaneous circling in rats with unilateral 6–hydroxydopamine lesions of the substantia nigra. Carey RJ. **Exp Neurol** 1986 Jun;92(3):591–600
Acute ipsilateral hyperalgesia and chronic contralateral hypoalgesia after unilateral 6–hydroxydopamine lesions of the substantia nigra. Carey RJ. **Exp Neurol** 1986 Feb; 91(2):277–84
Neuronal plasticity in the nigrostriatal system of the rat after unilateral removal of vibrissae. Huston JP, et al. **Exp Neurol** 1986 Aug;93(2):380–9
Changes in gamma–aminobutyrate, glutamate, aspartate, glycine, and taurine contents in the striatum after unilateral nigrostriatal lesions in rats. Tanaka Y, et al. **Exp Neurol** 1986 Feb;91(2):259–68
GABAergic and dopaminergic systems of the substantia nigra and amygdaloid kindling in cats. Kaijima M, et al. **Folia Psychiatr Neurol Jpn** 1985;39(3):317–9
The role of substance P in the nigrostriatal system. Borison RL, et al. **Int J Neurol** 1980;14(2–4):189–94
Nigral inhibitory termination on efferent neurons of the superior colliculus: an intracellular horseradish peroxidase study in the cat. Karabelas AB, et al. **J Comp Neurol** 1985 Sep 15;239(3):309–29
Activity of pars reticulata neurons of monkey substantia nigra in relation to motor, sensory, and complex events. Schultz W. **J Neurophysiol** 1986 Apr;55(4):660–77
Different roles of intrahypothalamic and nigrostriatal dopaminergic systems in thermoregulatory responses of the rat. Gonzalez MC, et al. **Life Sci** 1986 Aug 25;39(8):707–15
Excitation by dopamine D–2 receptor agonists, bromocriptine and LY 171555, in caudate nucleus neurons activated by nigral stimulation. Ohno Y, et al. **Life Sci** 1986 May 19;38(20):1867–73
Biochemical changes caused by the infusion into the substantia nigra of the rat of MPTP and related compounds which antagonise dihydropteridine reductase. Bradbury AJ, et al. **Neuropharmacology** 1986 Jun;25(6):583–6
Biochemical correlates of motor changes caused by the manipulation of dopamine function in the substantia nigra of the mouse. Bradbury AJ, et al. **Neuropharmacology** 1985 Dec;24(12):1155–61
Control of sensorimotor function by dopaminergic nigrostriatal neurons: influence on eating and drinking. White NM. **Neurosci Biobehav Rev** 1986 Spring;10(1):15–36 (189 ref.)
Effects of 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine (MPTP) and several of its analogues on the dopaminergic nigrostriatal pathway in mice. Heikkila RE, et al. **Neurosci Lett** 1985 Jul 4;58(1):133–7
Lesions of substantia nigra retard pavlovian somatomotor learning but do not affect autonomic conditioning. Kao K, et al. **Neurosci Lett** 1986 Feb 14;64(1):1–6
Striatal neuropeptide Y neurones are under the influence of the nigrostriatal dopaminergic pathway: immunohistochemical evidence. Kerkerian L, et al. **Neurosci Lett** 1986 May 6;66(1):106–12
Role of the monkey substantia nigra pars reticulata in orienting behaviour and visually triggered arm movements. Lestienne F, et al. **Neurosci Lett** 1986 Feb 14;64(1):109–15
Kindling of dopaminergic pathways modifies the effect of substantia nigra lesions on rotational behaviour. Mintz M, et al. **Neurosci Lett** 1985 Oct 24;61(1–2):7–11
Effects of substantia nigra and pallidum stimulation on hippocampal interictal activity in the cat. Sabatino M, et al. **Neurosci Lett** 1986 Mar 14;64(3):293–8
Changes in substantia nigra pars reticulata activity following lesions of the substantia nigra pars compacta. Sanderson P, et al. **Neurosci Lett** 1986 Jun 6;67(1):25–30
Substantia nigra projection to medullary reticular formation: relevance to oculomotor and related motor functions in the cat. Schneider JS, et al. **Neurosci Lett** 1985 Nov 20; 62(1):1–6
Ascorbic acid does not modulate stimulated dopamine release: in vivo voltammetric data in the rat. Stamford JA, et al. **Neurosci Lett** 1985 Oct 10;60(3):357–62
Electrophysiological study of the effects of D1 and D2 dopamine antagonists on the interaction of converging inputs from the sensory–motor cortex and substantia nigra neurons in the rat. Vives F, et al. **Neuroscience** 1986 Feb; 17(2):349–59

Behavioral and biochemical assessment of time-related changes in globus pallidus and striatal dopamine induced by intranigrally administered neurotensin. Napier TC, et al. **Peptides** 1985 Nov-Dec;6(6):1057-68

Effects of chronic electrode implantation on dopaminergic neurons in vivo. McCown TJ, et al. **Pharmacol Biochem Behav** 1986 Jul;25(1):63-9

Effects of substantia nigra stimulation on hypothalamic rage reaction in cats. Crescimanno G, et al. **Physiol Behav** 1986; 37(1):129-33

Mapping of contraversive and ipsiversive circling responses to ventral tegmental and substantia nigra electrical stimulation. Gratton A, et al. **Physiol Behav** 1985 Jul; 35(1):61-5

Unilateral substantia nigra lesions and schedule-induced polydipsia. Mittleman G, et al. **Physiol Behav** 1986; 36(3):437-40

Learning deficits in rats with early neurotoxic lesions to the globus pallidus, substantia nigra, median raphe or pontine reticular formation. Thompson R, et al. **Physiol Behav** 1986; 37(1):141-51

Opposite locomotor asymmetries elicited from the medial and lateral substantia nigra: role of the superior colliculus. Vaccarino FJ, et al. **Physiol Behav** 1985 Nov;35(5):741-7

[Regulating action of the substantia nigra on intestinal function] Gravante G, et al. **Boll Soc Ital Biol Sper** 1986 Apr 30;62(4):501-5 (Eng. Abstr.) **(Ita)**

[Changes in hippocampal bioelectric activity following stimulation of the substantia nigra and globus pallidus in the cat] Sabatino M, et al. **Boll Soc Ital Biol Sper** 1986 Apr 30;62(4):507-11 (Eng. Abstr.) **(Ita)**

[Stereotyped behavior and the nigro-strio-nigral system] Arushanian EB. **Zh Vyssh Nerv Deiat** 1985 Sep-Oct; 35(5):819-32 (50 ref.) **(Rus)**

PHYSIOPATHOLOGY

Role of the substantia nigra in GABA-mediated anticonvulsant actions. Gale K. **Adv Neurol** 1986;44:343-64

The role of striatal cholinergic mechanisms for the development of limb rigidity: an electromyographic study in rats. Schwarz M, et al. **Brain Res** 1986 May 14; 373(1-2):365-72

Tremor at rest episodes in unilaterally 6-OHDA-induced substantia nigra lesioned rats: EEG-EMG and behavior. Buonamici M, et al. **Neuropharmacology** 1986 Mar; 25(3):323-5

Neural mechanisms mediating 1-methyl-4-phenyl-1,2,3, 6-tetrahydropyridine-induced parkinsonism in the monkey: relative contributions of the striatopallidal and striatonigral pathways as suggested by 2-deoxyglucose uptake. Mitchell IJ, et al. **Neurosci Lett** 1986 Jan 2;63(1):61-5

Excitatory neurotransmission within substantia nigra pars reticulata regulates threshold for seizures produced by pilocarpine in rats: effects of intranigral 2-amino-7-phosphonoheptanoate and N-methyl-D-aspartate. Turski L, et al. **Neuroscience** 1986 May;18(1):61-77

[Activity of substantia nigra pars reticulata neurons after lesion of the ipsilateral neostriatum by kainic acid in rats] Pouchot C, et al. **J Physiol (Paris)** 1985;80(5):330-5 (Eng. Abstr.) **(Fre)**

SECRETION

The ontogeny of amphetamine-induced dopamine release in the caudate-putamen of the rat. Gazzara RA, et al. **Brain Res** 1986 Aug;393(2):213-20

Multiple opiate receptors may be involved in suppressing gamma-aminobutyrate release in substantia nigra. Starr MS. **Life Sci** 1985 Dec 16;37(24):2249-55

SURGERY

Effects of intracerebral transplantation of immature substantia nigra in rats with experimentally induced Parkinson's disease. I Comparative evaluation of two models of Parkinson's disease induced by unilateral stereotaxic lesion of the substantia nigra with electrocoagulation and with 6-hydroxydopamine. Dymecki J, et al. **Neuropatol Pol** 1985;23(2):167-79

TRANSPLANTATION

Monoamine release from dopamine-depleted rat caudate nucleus reinnervated by substantia nigra transplants: an in vivo electrochemical study. Rose G, et al. **Brain Res** 1985 Aug 19;341(1):92-100

In vivo measurement of spontaneous release and metabolism of dopamine from intrastriatal nigral grafts using intracerebral dialysis. Zetterström T, et al. **Brain Res** 1986 Jan 8;362(2):344-9

Substantia nigra transplants into denervated striatum of the rat: ultrastructure of graft and host interconnections. Mahalik TJ, et al. **J Comp Neurol** 1985 Oct 1;240(1):60-70

Effects of intracerebral transplantation of immature substantia nigra in rats with experimentally induced Parkinson's disease. II. Results of histopathological and histofluorescent studies. Dymecki J, et al. **Neuropatol Pol** 1985;23(2):181-9

Effects of intracerebral transplantation of immature substantia nigra in rats with experimentally induced Parkinson's disease. III. Results of behavioural and biochemical investigations. Dymecki J, et al. **Neuropatol Pol** 1985; 23(3):287-95

The formation of new neuronal circuit between transplanted nigral dopamine neurons and non-immunoreactive axon terminals in the host rat caudate nucleus. Nishino H, et al. **Neurosci Lett** 1986 Feb 14;64(1):13-6

Transplanting tissue into the brain for function: use in a model of Parkinson's disease. Wyatt RJ, et al. **Res Publ Assoc Res Nerv Ment Dis** 1986;64:199-208

ULTRASTRUCTURE

Histochemical and ultrastructural features of neuronal pigment in some encephalic nuclei of ruminants. Merighi A, et al. **Exp Biol** 1985;44(2):109-21

Synapses between GABA-immunoreactive axonal and dendritic elements in monkey substantia nigra. Holstein GR, et al. **Neurosci Lett** 1986 May 23;66(3):316-22

SUBTILISINS

Proton magnetic resonance studies of the states of ionization of histidines in native and modified subtilisins. Jordan F, et al. **Biochemistry** 1985 Dec 17;24(26):7711-7

Crystals of the complex between recombinant N-acetyleglin c and subtilisin. A preliminary characterization. Grütter MG, et al. **J Biol Chem** 1985 Sep 25;260(21):11436-7

ADVERSE EFFECTS

Possible adverse reactions to an enzyme-containing washing powder. White IR, et al. **Contact Dermatitis** 1985 Sep; 13(3):175-9

ANALYSIS

Partial characterization of subtilisin isoinhibitors from chick peas (Cicer arietinum). Tovar J, et al. **Acta Cient Venez** 1985;36(3-4):286-7

In vivo formation and stability of engineered disulfide bonds in subtilisin. Wells JA, et al. **J Biol Chem** 1986 May 15; 261(14):6564-70

ANTAGONISTS & INHIBITORS

Inhibition of subtilisin by influenza virus infected allantoic fluids. Ewasyshyn ME, et al. **Acta Virol (Praha)** 1986 May; 30(3):187-91

BIOSYNTHESIS

Effect of stage 0 sporulation mutations on subtilisin expression. Ferrari E, et al. **J Bacteriol** 1986 Apr; 166(1):173-9

GENETICS

Site-directed mutagenesis and the role of the oxyanion hole in subtilisin. Bryan P, et al. **Proc Natl Acad Sci USA** 1986 Jun;83(11):3743-5

ISOLATION & PURIFICATION

Purification of subtilisin by single-step affinity chromatography. Chandrasekaran S, et al. **Anal Biochem** 1985 Oct;150(1):141-4

METABOLISM

Comparison of the active sites of atropinesterase and some serine proteases by spin-labeling. van der Drift AC, et al. **Biochemistry** 1985 Sep 24;24(20):5333-42

A new substrate and two inhibitors applicable for thermitase, subtilisin BPN' and alpha-chymotrypsin. Comparison of kinetic parameters with customary substrates and inhibitors. Brömme D, et al. **Biomed Biochim Acta** 1985; 44(7-8):1089-94

New fluorogenic substrates for subtilisin. Kanaoka Y, et al. **Chem Pharm Bull (Tokyo)** 1985 Apr;33(4):1721-4

Refined 1.2 A crystal structure of the complex formed between subtilisin Carlsberg and the inhibitor eglin c. Molecular structure of eglin and its detailed interaction with subtilisin. Bode W, et al. **EMBO J** 1986 Apr; 5(4):813-8

Determination of the signal peptidase cleavage site in the preprosubtilisin of Bacillus subtilis. Wong SL, et al. **J Biol Chem** 1986 Aug 5;261(22):10176-81

Secretion and autoproteolytic maturation of subtilisin. Power SD, et al. **Proc Natl Acad Sci USA** 1986 May; 83(10):3096-100

PHARMACODYNAMICS

Structural changes in phosphorylase b as revealed by proteolysis with subtilisin BPN'. Dombrádi V, et al. **Acta Biochim Biophys Acad Sci Hung** 1984;19(3-4):193-201

Enzyme-substrate interactions in the hydrolysis of peptide substrates by thermitase, subtilisin BPN', and proteinase K. Brömme D, et al. **Arch Biochem Biophys** 1986 Feb 1; 244(2):439-46

Fructose-1,6-bisphosphatase: Part I--Purification, properties and proteolytic modification of fish liver enzyme. Biswas R, et al. **Indian J Biochem Biophys** 1985 Oct;22(5):293-9

THERAPEUTIC USE

[Temporary occlusion of a bronchus and prolonged endopleural proteolysis in the complex treatment of acute pyopneumothorax and pleural empyema] Sobotovich VF, et al. **Grudn Khir** 1985 Jul-Aug;(4):31-4 (Eng. Abstr.) **(Rus)**

TOXICITY

[The use of an enzymatic preparation called Alcalase 60 L] Cornet A. **Bull Acad Natl Med (Paris)** 1985 Jun; 169(6):911-3 **(Fre)**

SUBTRACTION TECHNIC

A comparison of pulsed Doppler spectral analysis and intravenous digital subtraction angiography in the detection of carotid occlusive disease. Russell D, et al. **Acta Neurol Scand** 1985 Dec;72(6):571-6

Digital angiography in pulmonary embolism. Björk L. **Acta Radiol [Diagn] (Stockh)** 1986 Mar-Apr;27(2):179-81

I.v. and intraarterial hybrid digital subtraction angiography: clinical evaluation. Foley WD, et al. **AJR** 1986 Sep; 147(3):613-20

Digital subtraction angiography of coronary grafts: optimization of technique. Guthaner DF, et al. **AJR** 1985 Dec;145(6):1185-90

Quantitative analysis of intracranial circulation using rapid-sequence DSA. Kwan ES, et al. **AJR** 1986 Jun; 146(6):1239-45

Outpatient DSA in cerebrovascular disease using transbrachial arch injections. McCreary JA, et al. **AJR** 1985 Nov;145(5):941-7

Digital wrist arthrography: precision in determining the site of radiocarpal-midcarpal communication. Manaster BJ. **AJR** 1986 Sep;147(3):563-6

Digital ventriculographic demonstration of ventricular septal defect after myocardial infarction. Klein LW, et al. **Am Heart J** 1986 Apr;111(4):791-2

Use of digital subtraction angiography in the diagnosis of splenic artery aneurysms. Short DH, et al. **Am Surg** 1985 Oct;51(10):606-8

Accuracy and indications of diagnostic studies for extracranial carotid disease. Connolly JE, et al. **Arch Surg** 1985 Nov;120(11):1229-32

Intravenous digital subtraction angiography. Butler P. **Br J Hosp Med** 1986 Jan;35(1):30-6

Intravenous digital subtraction angiography in patients with suspected bypass graft occlusion following surgery for peripheral vascular disease. Butler P, et al. **Br J Radiol** 1986 Apr;59(700):329-32

Parametric imaging using digital subtraction angiography. Hunter GJ, et al. **Br J Radiol** 1986 Jan;59(697):7-11

Intravenous digital subtraction arteriography: a comparison of peripheral versus central contrast injection. Thomas ML, et al. **Br J Radiol** 1986 Mar;59(699):241-4

Impact on surgery of preoperative localization of parathyroid lesions with dual radionuclide subtraction scanning. Mattar AG, et al. **Can J Surg** 1986 Jan;29(1):57-9

Comparison of nephroangiotomography, intravenous subtraction angiography and digital subtraction angiography in the diagnosis of renal hypertension. Bolsinger G, et al. **Cardiology** 1985;72 Suppl 1:49-53

Digital subtraction angiography of renal arteries--pitfalls and benefits. Fiedler V, et al. **Cardiology** 1985;72 Suppl 1:10-2

Intravenous digital subtraction angiography in patients with femoral arteriovenous fistulas and ilio-iliac crossover graft. Arlart IP, et al. **Cardiovasc Intervent Radiol** 1985;8(2):64-7

Intravenous digital subtraction angiography in diagnosis of vascular graft occlusion. Boxt LM, et al. **Cardiovasc Intervent Radiol** 1985;8(2):59-63

Comparison of intravenous digital subtraction angiography to conventional aortography in patients with abdominal aortic aneurysm. Boxt LM, et al. **Cardiovasc Intervent Radiol** 1985;8(2):76-82

Cardiac digital subtraction angiography: peripheral versus central intravenous dye injections. Detrano R, et al. **Cardiovasc Intervent Radiol** 1985;8(2):55-8

Upper-extremity venography using digital subtraction angiography. Kinnison ML, et al. **Cardiovasc Intervent Radiol** 1986;9(2):106-8

Evaluation of the prone position in digital subtraction angiography of the kidneys. Mendelson EB, et al. **Cardiovasc Intervent Radiol** 1985;8(2):72-5

Digital angiography in evaluation of orthopedic tumors. Simonetti G, et al. **Cardiovasc Intervent Radiol** 1985; 8(2):83-8

Localization of carotid cavernous fistula using digital subtraction angiography. Wiele KN, et al. **Cardiovasc Intervent Radiol** 1985;8(2):68-71

Potential value of digital radiography. Preliminary observations on the use of dual-energy subtraction in the evaluation of pulmonary nodules. Fraser RG, et al. **Chest** 1986 Apr;89(4 Suppl):249S-252S

Intravenous digital subtraction angiography for evaluation of the renal arteries in pediatric patients. Zabbo A, et al. **Cleve Clin Q** 1986 Summer;53(2):145-50

Diagnostic accuracy of intravenous digital subtraction angiography for peripheral vascular diseases. Korogi Y, et al. **Comput Radiol** 1985 Nov-Dec;9(6):341-5

Non-isocentric applications of biplane digital subtraction angiography. Stephenson TF. **Comput Radiol** 1985 Nov-Dec;9(6):399-404

Technical developments and instrumentation: biplane digital subtraction angiography. Stephenson TF. **Comput Radiol** 1985 Nov-Dec;9(6):347-9

Digital subtraction angiography of the coronary arteries. Neeley JP 3d, et al. **CRC Crit Rev Diagn Imaging** 1985; 25(1):23-60 (86 ref.)

Incidence of fibrillation with isotonic contrast media for

intra-arterial coronary digital subtraction angiography. Morris TW, et al. **Diagn Imag Clin Med** 1986;55(3):109–13

Diagnostics of extra-cranial carotid stenoses. Comparison of CW-Doppler sonography and intravenous digital subtraction angiography. Puzich R, et al. **Eur Arch Psychiatry Neurol Sci** 1986;235(4):210–3

Comparison of intravenous digital subtraction cineangiocardiography with conventional contrast ventriculography for the determination of the left ventricular volume at rest and during exercise. Birchler B, et al. **Eur Heart J** 1985 Jun;6(6):497–509

Functional myocardial perfusion imaging by digital subtraction coronary arteriography: comparison of contrast decay rates in normal and ischemic myocardium. Ikeda H, et al. **Heart Vessels** 1986;2(1):45–6

Preliminary experience with digital subtraction angiography in cardiac evaluation. Burke MW, et al. **Henry Ford Hosp Med J** 1985;33(2–3):95–101

Digital subtraction angiography of the abdomen: Henry Ford Hospital experience. Sharma RP, et al. **Henry Ford Hosp Med J** 1985;33(2–3):105–11

Densitometric studies in digital subtraction angiography: assessment of pulmonary and myocardial perfusion. Bürsch JH. **Herz** 1985 Aug;10(4):208–14

Time and flow parameter extraction in digital angiography: principles and methods. Hahne HJ. **Herz** 1985 Aug; 10(4):220–7

Myocardial imaging by digital subtraction angiography for left ventricular mass measurement. Radtke W. **Herz** 1985 Aug;10(4):215–9

The dream of a dynamic, high-fidelity, synchronous, volumetric imaging system and the road to its realization. Wood EH. **Herz** 1985 Aug;10(4):183–92

Improvement of visual resolution in fluorescent scanning by a new subtraction procedure for backscatter. Nose Y, et al. **Int J Nucl Med Biol** 1986;12(6):489–94

Contrast media tonicity. Part I. Effects upon IV-DSA time-concentration curve peak and width: experimental studies. Burbank FH, et al. **Invest Radiol** 1986 Mar; 21(3):240–7

Air gap technique for digital subtraction angiography of the extracranial carotid arteries. Karoll MP, et al. **Invest Radiol** 1985 Oct;20(7):742–5

Dual-energy scanned projection radiography of osseous metastatic disease. Sartoris DJ, et al. **Invest Radiol** 1985 Dec;20(9):983–8

Cross-sectional area measurements by digital subtraction videodensitometry. Simons MA, et al. **Invest Radiol** 1986 Aug;21(8):637–44

Vessel diameter measurement using digital subtraction radiography. Simons MA, et al. **Invest Radiol** 1985 Aug; 20(5):510–6

Digital radiographic evaluation of the bile ducts. Thompson WM, et al. **Invest Radiol** 1985 Dec;20(9):956–60

Unsuspected posterior pseudoaneurysm of the left ventricle diagnosed by digital subtraction contrast angiography. Depelchin P, et al. **J Belge Radiol** 1985;68(6):421–3

A comparison of angiography, intravenous digital subtraction angiography and duplex ultrasound in the diagnosis of carotid artery atherosclerosis. D'Alotto C, et al. **J Can Assoc Radiol** 1985 Sep;36(3):200–8

Moyamoya in sickle cell disease demonstrated by DSA and Hexabrix. Ramsewak W, et al. **J Can Assoc Radiol** 1985 Dec;36(4):332–3

Intravenous digital subtraction angiography [letter] Satiani B. **J Foot Surg** 1985 Jul–Aug;24(4):234

Digital subtraction angiography in patients with cerebral ischaemic attacks and normal continuous wave doppler studies [letter] Norris JW, et al. **J Neurol Neurosurg Psychiatry** 1985 Oct;48(10):1071–2

Patency and flow velocity profiles in the internal carotid artery assessed by digital subtraction angiography and Doppler studies three months following endarterectomy. Russell D, et al. **J Neurol Neurosurg Psychiatry** 1986 Feb; 49(2):183–6

False-negative thallium-technetium subtraction scintigraphy. Fobben E, et al. **J Nucl Med** 1986 Apr;27(4):564–6

Dynamic variable background subtraction: a simple means of displaying radiolabeled monoclonal antibody scintigrams. Wahl RL, et al. **J Nucl Med** 1986 Apr; 27(4):545–8

Subtraction radiography and computer assisted densitometric analyses of standardized radiographs. A comparison study with 125I absorptiometry. Ortman LF, et al. **J Periodont Res** 1985 Nov;20(6):644–51

Usefulness of subtraction radiography in the evaluation of periodontal therapy. Hausmann E, et al. **J Periodontol** 1985 Nov;56(11 Suppl):4–7

Nuclide imaging of vascular graft-platelet interactions: comparison of indium excess and technetium subtraction techniques. Wakefield TW, et al. **J Surg Res** 1986 Apr; 40(4):388–94

Intra-arterial digital subtraction angiography as a method to study peripheral vascular disease. Blakeman BM, et al. **J Vasc Surg** 1986 Aug;4(2):168–73

The role of intravenous digital subtraction angiography in the evaluation of extracranial carotid artery disease. Can the decision for carotid artery surgery be made solely on the basis of its findings? Crocker EF Jr, et al. **J Vasc Surg** 1986 Aug;4(2):157–63

Evaluation of left ventricular function using digital subtraction angiography. Kozuka T, et al. **Jpn Circ J** 1985 Jul;49(7):710–8

Computerised intravenous arteriography [letter] Davies P. **Lancet** 1985 Nov 2;2(8462):1020

Digital subtraction angiography and carotid artery assessment [letter] Murie JA, et al. **Lancet** 1985 Nov 16; 2(8464):1124

Parathyroid localization [letter] Arkles B, et al. **Med J Aust** 1986 Aug 4–18;145(3–4):176–7

Digital subtraction angiography in cerebral and peripheral vascular diseases. Passariello R, et al. **Monogr Atheroscler** 1986;14:101–6

A simple system for marking digital subtraction radiographs. Rowe GM, et al. **Neuroradiology** 1985;27(5):434–5

Stereoscopic DSA of the central nervous system. Takahashi M, et al. **Neuroradiology** 1986;28(2):105–8

Image subtraction in acute gastrointestinal bleeding studies using 99Tcm-DTPA. Kouris K, et al. **Nucl Med Commun** 1985 Nov;6(11):717–22

Digital subtraction angiography and its application in children. Capitanio MA, et al. **Pediatr Clin North Am** 1985 Dec;32(6):1449–60 (43 ref.)

Pediatric digital subtraction angiography: intraarterial and intracardiac applications. Tonkin IL, et al. **Pediatr Radiol** 1986;16(2):126–30

Basic concepts of digital angiography. Mistretta CA, et al. **Prog Cardiovasc Dis** 1986 Jan–Feb;28(4):245–55

Intraarterial digital subtraction arteriography in the diagnosis and treatment of hepatic tumors. Yashiro N, et al. **Radiat Med** 1985 Jan–Mar;3(1):56–9

Cardiovascular applications of digital subtraction angiography. Wholey MH. **Radiol Clin North Am** 1985 Dec;23(4):627–39

Evaluation of the influence of contrast media viscosity on DSA. Suggestions for an ideal angiographic contrast. Feltrin G. **Radiol Med (Torino)** 1986 Jun;72(6 Suppl 1):54–7

Intrinsic limitations of quantitative functional studies and clinical efficacy evaluation of different contrast media in DSA. Passariello R, et al. **Radiol Med (Torino)** 1986 Jun; 72(6 Suppl 1):58–63

Intra-arterial digital subtraction angiography. Simonetti G, et al. **Radiol Med (Torino)** 1986 Jun;72(6 Suppl 1):67–9

Computer-processed subtraction arthrography. Bassett LW, et al. **Radiology** 1985 Dec;157(3):821

Peripheral vascular disease: prospective study of intraarterial digital subtraction angiography using a 9-inch intensifier. Garvey CJ, et al. **Radiology** 1986 May;159(2):423–7

Intraarterial digital subtraction arteriographic evaluation of extremity tumors: comparison with conventional arteriography. Lee KR, et al. **Radiology** 1986 Jan; 158(1):255–8

Videodensitometric quantitation of stenosis: in vitro and in vivo validation. Seibert JA, et al. **Radiology** 1985 Dec; 157(3):807–11

Superior vena cava obstruction: evaluation with digital subtraction angiography. Sharma RP, et al. **Radiology** 1986 Sep;160(3):845

Stereoscopic technique in digital subtraction angiography. Takahashi M, et al. **Radiology** 1985 Nov;157(2):546

Subtraction pitfalls in venous DSA of the renal arteries. de Jong TE, et al. **ROFO** 1986 Jul;145(1):21–5

Digital subtraction arthrography of the prosthetic hip. Apple JS, et al. **South Med J** 1986 Jul;79(7):808–10

Doppler frequency spectrum analysis and digital subtraction angiography in carotid artery disease. Fischer M, et al. **Thorac Cardiovasc Surg** 1985 Oct;33(5):304–7

Renal digital subtraction angiography. Hillman BJ. **Urol Clin North Am** 1985 Nov;12(4):699–713 (36 ref.)

[Digital subtraction angiography] Fourie PA. **S Afr Med J** 1986 Jul 19;70(2):104–7 (Eng. Abstr.) **(Afr)**

[Digital subtraction angiography (DSA): an analysis of clinical applications in 120 cases] Liu YQ. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Apr;20(2):66–9 (Eng. Abstr.) **(Chi)**

[Digital subtraction angiography postprocessing] Smith-Sivertsen C, et al. **Ugeskr Laeger** 1986 Aug 11; 148(33):2088–91 (Eng. Abstr.) **(Dan)**

[Peripheral venous digital subtraction angiography of aortocoronary venous bypass] Hendrickx P, et al. **J Belge Radiol** 1985;68(5):345–50 (Eng. Abstr.) **(Dut)**

[Role of catheterization and pneumoangiography in moderately severe pulmonary embolism] Dautrebande J, et al. **Acta Chir Belg** 1986 Mar–Apr;86(2):89–92 (Eng. Abstr.) **(Fre)**

[Digital subtraction angiography as an aid in decision-making in problematic approaches to the superior vena cava] Jost U, et al. **Anaesth Intensivther Notfallmed** 1986 Feb; 21(1):31–3 (Eng. Abstr.) **(Ger)**

[Arterial digital subtraction angiography in the diagnosis of venous sinus thrombosis] Clados D, et al. **Digitale Bilddiagn** 1986 Mar;6(1):35–9 (Eng. Abstr.) **(Ger)**

[Value of digital subtraction angiography compared to conventional angiography in diagnosing hypernephroma] Osman Mahmalat M, et al. **Digitale Bilddiagn** 1986 Jun; 6(2):56–60 (Eng. Abstr.) **(Ger)**

[Clinical uses of digital subtraction angiography for imaging anatomy immediately following heart operations in childhood] Vogel M, et al. **Herz** 1985 Aug;10(4):201–7 (Eng. Abstr.) **(Ger)**

[Malignant fibrous histiocytoma as a pulsating neck tumor—diagnosis using intraarterial digital subtraction angiography] Hosemann W, et al. **HNO** 1985 Aug; 33(8):380–2 (Eng. Abstr.) **(Ger)**

[Indications for venous digital subtraction angiography in otorhinolaryngologic diseases] Langer M, et al. **HNO** 1986 Feb;34(2):61–5 (Eng. Abstr.) **(Ger)**

[Diagnosis and therapy of occlusion caused by thromboembolism in a premature infant using digital subtraction angiography] Alzen G, et al. **Monatsschr Kinderheilkd** 1986 Feb;134(2):102–4 (Eng. Abstr.) **(Ger)**

[Angiography and digital subtraction angiography] Kollath J. **Monatsschr Kinderheilkd** 1986 Jun;134(6):369–72 (Eng. Abstr.) **(Ger)**

[Digital subtraction angiography (DSA) of the pulmonary arteries in the differential diagnosis of round atelectases] Schultek T, et al. **Prax Klin Pneumol** 1985 Sep;39(9):303–6 (Eng. Abstr.) **(Ger)**

[Significance of pulmonary DSA for assessing the operability of lung tumors] Arlart IP, et al. **ROFO** 1985 Sep; 143(3):261–8 (Eng. Abstr.) **(Ger)**

[Possibility of erroneous diagnosis with digital subtraction angiography and its causes] Buach HP, et al. **ROFO** 1985 Nov;143(5):521–6 (Eng. Abstr.) **(Ger)**

[Quantitative flow measurement of the carotid artery using a combination of intra-arterial digital subtraction angiography and ultrasound] Fiedler V, et al. **ROFO** 1985 Dec;143(6):655–60 (Eng. Abstr.) **(Ger)**

[Morphometric and densitometric assessment of left ventricular function in the digital subtraction angiocardiogram] Franken T, et al. **ROFO** 1985 Sep; 143(3):268–74 (Eng. Abstr.) **(Ger)**

[Peripheral venous DSA of the calf arteries in arterial obstructive disease patients. A comparison with conventional angiography] Hendrickx P, et al. **ROFO** 1985 Sep;143(3):341–6 (Eng. Abstr.) **(Ger)**

[Quantification of vascular stenoses using digital subtraction angiography] Herter M, et al. **ROFO** 1985 Dec; 143(6):650–5 (Eng. Abstr.) **(Ger)**

[Necessity for ECG triggering in digital subtraction angiography. Construction of a simple trigger device] Küper K, et al. **ROFO** 1986 Mar;144(3):300–1 (Eng. Abstr.) **(Ger)**

[Contribution of digital subtraction angiography to the diagnosis of rejection reactions after kidney transplantation] Prager P, et al. **ROFO** 1985 Oct;143(4):426–31 (Eng. Abstr.) **(Ger)**

[Contrast medium concentration for intra-arterial digital subtraction angiography of vessels in the extremities] Rauber K, et al. **ROFO** 1985 Nov;143(5):526–9 (Eng. Abstr.) **(Ger)**

[Abdominal aortic aneurysm: diagnostic importance of transvenous DSA] Arlart IP. **Rontgenpraxis** 1986 Jun; 39(6):206–11 **(Ger)**

[Use of digital subtraction angiography in traumatized patients. Experiences with arterial and venous technics] Wagner-Manslau C, et al. **Unfallchirurg** 1986 Jan; 89(1):23–7 (Eng. Abstr.) **(Ger)**

[Intravenous DSA of the heart: functional studies of the left ventricle in coronary heart disease at rest and following stress] Christ F, et al. **Z Kardiol** 1986 May;75(5):256–66 (Eng. Abstr.) **(Ger)**

[Improved reproducibility of contrast echocardiography by SH U 454. Experimental studies using digital subtraction echocardiography] Grube E, et al. **Z Kardiol** 1986 Jun; 75(6):355–62 (Eng. Abstr.) **(Ger)**

[Percutaneous transluminal coronary angioplasty: determination of left ventricular function in physical stress using intravenous digital subtraction angiocardiography] Schwammenthal E, et al. **Z Kardiol** 1986 May;75(5):267–76 (Eng. Abstr.) **(Ger)**

[New diagnostic possibilities of postmortam coronary angiography by digital subtraction angiography] Weiler G, et al. **Z Rechtsmed** 1986;96(2):133–40 (Eng. Abstr.) **(Ger)**

[Digital arteriography. Critical findings after 3 years' use] Pietri P, et al. **Minerva Chir** 1986 Mar 31;41(5–6):283–90 **(Ita)**

[Evaluation of renal intra-arterial digital subtraction angiography] Hori S, et al. **Hinyokika Kiyo** 1985 Aug; 31(8):1329–37 (Eng. Abstr.) **(Jpn)**

[Quantitative analysis of myocardial perfusion by digital subtraction angiography] Takeda T, et al. **J Cardiogr** 1985 Mar;15(1):13–22 (Eng. Abstr.) **(Jpn)**

[Regional myocardial perfusion abnormality detected by digital subtraction angiography in a case of patent ductus arteriosus with coronary arterial fistulae] Takeda T, et al. **J Cardiogr** 1985 Mar;15(1):221–30 (Eng. Abstr.) **(Jpn)**

[Salivary gland scintigraphy using subtraction technique: evaluation for salivary gland neoplasm of positive localization of 99mTcO4] Nakanishi F, et al. **Kaku Igaku** 1986 Jan;23(1):65–71 **(Jpn)**

[A quantitative evaluation of left ventricular function by digital subtraction angiography without contrast medium: time-activity curve and Fourier analysis] Ikeda H, et al. **Kokyu To Junkan** 1985 Dec;33(12):1495–500 (Eng. Abstr.) **(Jpn)**

[Digital subtraction angiography (DSA) using Fuji computed radiography (FCR)] Ishibashi T. **Nippon Igaku Hoshasen Gakkai Zasshi** 1985 Oct 25; 45(10):1351–76 (Eng. Abstr.) **(Jpn)**

[Image signals of digital subtraction angiography in a videodensitometric method] Katsuragawa S, et al.

Nippon Igaku Hoshasen Gakkai Zasshi 1986 Jan 25; 46(1):75–7 (Eng. Abstr.) (Jpn)
[Efficacy of intravenous digital abdominal subtraction angiography with use of dopamine] Nakamura K, et al. Nippon Igaku Hoshasen Gakkai Zasshi 1985 Nov 25; 45(11):1471–3 (Eng. Abstr.) (Jpn)
[Intra-arterial digital subtraction angiography of the head and neck: a clinical evaluation] Uchino A, et al. Nippon Igaku Hoshasen Gakkai Zasshi 1985 Jul 25; 45(7):990–9 (Eng. Abstr.) (Jpn)
[Sacrospinous ligament fixation of vaginal apex for repair operation of uterine prolapse—operative procedure and postoperative outcome evaluated with score system and X-ray subtraction colpography] Nagata I, et al. Nippon Sanka Fujinka Gakkai Zasshi 1986 Jan;38(1):29–38 (Eng. Abstr.) (Jpn)
[Clinical evaluation of digital subtraction angiography on liver tumor] Ibuki Y, et al. Nippon Shokakibyo Gakkai Zasshi 1986 Jan;83(1):79–85 (Eng. Abstr.) (Jpn)
[Direct carotid angiography using a subcutaneous needle and injection of minimal dosage of contrast media—a special use of DSA] Ozaki T, et al. No Shinkei Geka 1986 Mar; 14(3 Suppl):305–9 (Eng. Abstr.) (Jpn)
[Transbrachial arterial digital subtraction angiography—application to outpatients] Irimoto M, et al. Rinsho Hoshasen 1985 Sep;30(9):1037–9 (Eng. Abstr.) (Jpn)
[Digital subtraction angiography of the cavernous sinus] Iwasaki S, et al. Rinsho Hoshasen 1985 Sep;30(9):1033–6 (Eng. Abstr.) (Jpn)
[Energy subtraction utilizing Fuji computed radiography (FCR)] Kaseda S, et al. Rinsho Hoshasen 1985 Aug; 30(8):937–9 (Eng. Abstr.) (Jpn)
[Clinical evaluation of digital subtraction angiography in Takayasu's arteritis] Matsunaga N, et al. Rinsho Hoshasen 1986 Feb;31(2):257–62 (Eng. Abstr.) (Jpn)
[Peripheral arteriography by the IVDSA technic under treatment with hot compress] Minakuchi K, et al. Rinsho Hoshasen 1986 Jan;31(1):161–3 (Jpn)
[An attempt at endoscopic retrograde pancreatography by the digital subtraction technic] Nagae T, et al. Rinsho Hoshasen 1986 Apr;31(4):555–6 (Jpn)
[Angiography of the head using Fuji computed radiography (FCR) system] Uchino A, et al. Rinsho Hoshasen 1985 Jul; 30(7):837–9 (Eng. Abstr.) (Jpn)
[Digital subtraction angiography of the hepatic artery and vein in hepatic tumor] Yamauchi T, et al. Rinsho Hoshasen 1986 Feb;31(2):343–5 (Jpn)
[Intraarterial digital subtraction angiography (IADSA) of peripheral arteries with isotonic contrast materials] Yashiro N, et al. Rinsho Hoshasen 1985 Jul;30(7):777–81 (Eng. Abstr.) (Jpn)
[Digital subtraction angiography in the demonstration of arterial lesions associated with infective endocarditis] Grinberg M, et al. Arq Bras Cardiol 1985 Feb;44(2):125–30 (Por)
[Digital angioradiography: a valid technic for the study of the permeability of coronary grafts in the immediate postoperative period] Lupón J, et al. Rev Esp Cardiol 1985 Nov–Dec;38(6):391–5 (Eng. Abstr.) (Spa)

ECONOMICS

A prospective analysis of the accuracy and cost-effectiveness of digital subtraction angiography for living-related renal donor evaluation. McElroy J, et al. Transplantation 1986 Jul;42(1):23–7

INSTRUMENTATION

Stereotactic system and apparatus for use with magnetic resonance imaging, computerized tomography, and digital subtraction imaging. Olivier A, et al. Appl Neurophysiol 1985;48(1–6):94–6
Investigation of basic imaging properties in digital radiography. 7. Noise Wiener spectra of II-TV digital imaging systems. Giger ML, et al. Med Phys 1986 Mar–Apr;13(2):131–8
Digital subtraction angiography apparatus. Chakraborty DP, et al. Radiology 1985 Nov;157(2):547
[Digital image intensifier radiography: imaging qualities and initial use in the gastrointestinal area] Busch HP, et al. Digitale Bilddiagn 1986 Jun;6(2):49–55 (Eng. Abstr.) (Ger)

TRENDS

[Clinical value of digital subtraction angiography in cardiology—current status and future prospects] Schmiel FK. Z Kardiol 1986 Mar;75(3):131–7 (Eng. Abstr.) (Ger)

SUBVALVULAR STENOSIS, IDIOPATHIC HYPERTROPHIC see **CARDIOMYOPATHY, HYPERTROPHIC**

SUCCINATE CYTOCHROME C OXIDOREDUCTASE see under **OXIDOREDUCTASES**

SUCCINATE DEHYDROGENASE

In vivo detection of a three iron cluster in fumarate reductase from Escherichia coli. Johnson MK, et al. Biochem Biophys Res Commun 1985 Sep 16;131(2):653–8
Detection of a tetranuclear iron-sulfur center in fumarate reductase from Escherichia coli by electron paramagnetic resonance spectroscopy. Johnson MK, et al. Biochem Biophys Res Commun 1985 Sep 16;131(2):756–62
The prosthetic groups of succinate dehydrogenase: 30 years from discovery to identification. Singer TP, et al. FEBS Lett 1985 Oct 14;190(2):189–98
Electron-paramagnetic-resonance spectroscopy of Bacillus subtilis cytochrome b558 in Escherichia coli membranes and in succinate dehydrogenase complex from Bacillus subtilis membranes. Hederstedt L, et al. J Bacteriol 1986 Aug;167(2):735–9

ANALYSIS

Conformational properties of membrane-bound fumarate reductase of Escherichia coli. Fronticelli C, et al. Arch Biochem Biophys 1986 Sep;249(2):579–87
Nucleotide sequence of the gene for cytochrome b558 of the Bacillus subtilis succinate dehydrogenase complex. Magnusson K, et al. J Bacteriol 1986 Jun;166(3):1067–71
The high potential iron-sulfur center in Escherichia coli fumarate reductase is a three-iron cluster. Morningstar JE, et al. J Biol Chem 1985 Nov 5;260(25):13631–8
Quantitative histochemical determination of muscle enzymes: biochemical verification. Martin TP, et al. J Histochem Cytochem 1985 Oct;33(10):1053–9
[Enzymatic alteration of myocardial cells under anoxia] Wen XY. Chung-hua Ping Li Hsueh Tsa Chih 1985 Dec; 14(4):293–4 (Eng. Abstr.) (Chi)

ANTAGONISTS & INHIBITORS

Modification of bovine heart succinate dehydrogenase with ethoxyformic anhydride and rose bengal: evidence for essential histidyl residues protectable by substrates. Hederstedt L, et al. Arch Biochem Biophys 1986 Jun; 247(2):346–54

BIOSYNTHESIS

Translocation of proteins into rat liver mitochondria. The precursor polypeptides of a large subunit of succinate dehydrogenase and ornithine aminotransferase and their imports into their own locations of mitochondria. Ono H, et al. Eur J Biochem 1986 Mar 17;155(3):543–9

BLOOD

[Prognostic value of determining the succinate dehydrogenase activity of lymphocytes and the therapeutic effectiveness of sodium succinate in resuscitation of rats] Baranets NA, et al. Biull Eksp Biol Med 1985 Oct; 100(10):405–7 (Eng. Abstr.) (Rus)
[Use of succinate dehydrogenase activity of lymphocytes to predict the course of the post-resuscitation period] Baranets NA, et al. Biull Eksp Biol Med 1985 Nov;100(11):541–3 (Eng. Abstr.) (Rus)
[Ultrastructure and succinate dehydrogenase activity of lymphocytes in burns and the effect of alpha tocopherol] Smorshchok SA, et al. Klin Khir 1986;(3):7–9 (Eng. Abstr.) (Rus)

DIAGNOSTIC USE

[In vitro chemosensitivity of various human tumors evaluated by the succinate dehydrogenase inhibition (SDI) test (2)] Anai H, et al. Gan To Kagaku Ryoho 1986 Aug;13(8):2544–8 (Eng. Abstr.) (Jpn)
[In vitro chemosensitivity of various human tumors evaluated by the SDI (succinate dehydrogenase inhibition) test] Maehara Y, et al. Gan To Kagaku Ryoho 1985 Oct; 12(10):2018–23 (Eng. Abstr.) (Jpn)

GENETICS

Decreased amounts of core proteins I and II and the iron-sulfur protein in mitochondria from yeast lacking cytochrome b but containing cytochrome c1. Sen K, et al. Arch Biochem Biophys 1985 Nov 1;242(2):393–401
Transcription of the Escherichia coli fumarate reductase genes (frdABCD) and their coordinate regulation by oxygen, nitrate, and fumarate. Jones HM, et al. J Bacteriol 1985 Dec;164(3):1100–9
Cloning and deletion analysis of a genomic segment of Bacillus subtilis coding for the sdhA, B, C (succinate dehydrogenase) and gerE (spore germination) loci. Hasnain S, et al. J Gen Microbiol 1985 Sep;131 (Pt 9):2269–79
A mutant of Escherichia coli fumarate reductase decoupled from electron transport. Weiner JH, et al. Proc Natl Acad Sci USA 1986 Apr;83(7):2056–60

IMMUNOLOGY

A histochemical study of changes in mitochondrial enzyme activities of rat liver after ischemia in vitro. Frederiks WM, et al. Virchows Arch [B] 1986;51(4):321–9

ISOLATION & PURIFICATION

Isolation of fumarate reductase from Desulfovibrio multispirans, a sulfate reducing bacterium. He SH, et al. Biochem Biophys Res Commun 1986 Mar 28;135(3):1000–7
Solubilization, purification, and characterization of succinate dehydrogenase from membranes of Mycobacterium phlei. Reddy TL, et al. J Bacteriol 1986 Jul;167(1):1–6

METABOLISM

Evaluation of localization and intensity of the reactions of succinic dehydrogenase, NADH tetrazole reductase, and lactate dehydrogenase in developing rat testis. II: After cadmium chloride treatment. Gaździk T, et al. Acta Histochem (Jena) 1986;78(2):179–84
Evidence that centre 2 in Escherichia coli fumarate reductase is a [4Fe-4S]cluster. Cammack R, et al. Biochim Biophys Acta 1986 Apr 22;870(3):545–51
Studies on the succinate dehydrogenating system. Interaction of the mitochondrial succinate-ubiquinone reductase with pyridoxal phosphate. Choudhry ZM, et al. Biochim Biophys Acta 1986 Jun 10;850(1):131–8
Molecular biology, biochemistry and bioenergetics of fumarate reductase, a complex membrane-bound iron-sulfur flavoenzyme of Escherichia coli. Cole ST, et al. Biochim Biophys Acta 1985 Dec;811(4):381–403 (141 ref.)
Electron-transfer complexes of Ascaris suum muscle mitochondria. II. Succinate-coenzyme Q reductase (complex II) associated with substrate-reducible cytochrome b-558. Takamiya S, et al. Biochim Biophys Acta 1986 Jan 28;848(1):99–107
Studies on the succinate dehydrogenating system. Isolation and properties of the mitochondrial succinate-ubiquinone reductase. Tushurashvili PR, et al. Biochim Biophys Acta 1985 Sep 19;809(2):145–59
Characterization of the giant myofiber in bovine skeletal muscle. Sink JD, et al. Exp Cell Biol 1986;54(1):1–7
Cytobiochemical studies of liver parenchyma in experimental histamine shock. Zapolska-Downar B. Folia Morphol (Praha) 1986;34(2):144–52
Growth-related changes in the intracellular distribution of succinate dehydrogenase activity in turkey muscle. Swatland HJ. Growth 1985 Winter;49(4):409–16
Histochemical modification of the active site of succinate dehydrogenase with N-acetylimidazole. Nakae Y, et al. Histochem J 1986 Apr;18(4):169–74
Covalent bonding of riboflavin homologs by hepatic mitochondrial membrane enzymes. Kim YS, et al. Int J Biochem 1985;17(9):975–81
SDH activity and cross-sectional area of muscle fibers in cat diaphragm. Sieck GC, et al. J Appl Physiol 1986 Apr; 60(4):1284–92
On the role of K+ on succinic dehydrogenase activity. Chávez E, et al. J Bioenerg Biomembr 1986 Apr;18(2):93–9
Reconstitution of quinone reduction and characterization of Escherichia coli fumarate reductase activity. Cecchini G, et al. J Biol Chem 1986 Feb 5;261(4):1808–14
Arrhenius parameters of mitochondrial membrane respiratory enzymes in relation to thermoregulation in endotherms. Geiser F, et al. J Comp Physiol [B] 1985;155(6):711–5
Diazinon treatment effects on heart and skeletal muscle enzyme activities. Wilkinson JG, et al. J Environ Sci Health [B] 1986 Apr;21(2):103–13
Effects of cadmium inhalation on mitochondrial enzymes in rat tissues. Prasada Rao PV, et al. J Toxicol Environ Health 1986;17(2–3):191–9
Enzymatic responses and adaptations to swimming training and hypobaric hypoxia in postnatal rats. Taguchi S, et al. Jpn J Physiol 1985;35(6):1023–32
Age-dependent modifications of rat heart succinate dehydrogenase. Velez M, et al. Mech Ageing Dev 1985 Nov; 32(2–3):131–40
A comparative study of the succinate dehydrogenase-fumarate reductase complex in the genus Trichinella. Rodriguez-Caabeiro F, et al. Parasitology 1985 Dec;91 (Pt 3):577–83
Succinate dehydrogenase and fumarate reductase activity in Trichinella spiralis and the mode of action of some anthelmintics. Rodriguez-Caabeiro F, et al. Wiad Parazytol 1985;31(3):253–6
[Enzyme cytochemical research on NAD+- and NADP+-dependent isocitrate dehydrogenase and succinate dehydrogenase in the epididymis of normal and experimental rats] Nanov Z, et al. Akush Ginekol (Sofiia) 1986;25(1):59–64 (Eng. Abstr.) (Bul)
[Histochemical change in succinyl dehydrogenase activity in the liver of mice fed with a diet from the region endemic for Keshan disease] Chen NZ, et al. Chung Hua Nei Ko Tsa Chih 1985 Sep;24(9):513–5, 572 (Eng. Abstr.) (Chi)
[Changes in pathology and enzyme histochemistry of pancreatic islets induced by injection of streptozotocin into rats] Xiao BL, et al. Sou Chuan I Hsueh Yuan Hsueh Pao 1985 Dec;16(4):295–8 (Eng. Abstr.) (Chi)
[Changes in the activity of succinate dehydrogenase in muscle fibers of functionally different muscles in the rat after a reduction in exertion—hypodynamia] Rekhacheva IP, et al. Arkh Anat Gistol Embriol 1985 Sep;89(9):49–55 (Eng. Abstr.) (Rus)
[Succinate dehydrogenase activity of Escherichia coli cells after heat stress and during the reparative process] Zhdan-Pushkina SM, et al. Mikrobiologiia 1986 May-Jun; 55(3):357–61 (Eng. Abstr.) (Rus)
[Properties of the enzymes of energy supply in the common frog under various physiological states. II. Changes in the heat resistance of adenosine triphosphatases and succinate dehydrogenase] Glushankova MA, et al. Tsitologiia 1986 May;28(5):524–9 (Eng. Abstr.) (Rus)

[Properties of the energy-allowance enzymes of the common frog in different physiological body states. I. Adenosine triphosphatase and succinate dehydrogenase activities] Pisareva LN, et al. **Tsitologiia** 1986 Apr;28(4):418–21 (Eng. Abstr.) **(Rus)**

[Interaction of succinate dehydrogenase with succinate and oxaloacetate during enzyme activation–deactivation] Vinogradov VV, et al. **Ukr Biokhim Zh** 1986 Mar–Apr; 58(2):16–9 (Eng. Abstr.) **(Rus)**

[Respiratory enzyme activity in the thyroid tissue of toxic goiter patients receiving lithium carbonate before surgery] Cherenko MP, et al. **Vrach Delo** 1985 Jul;(7):54–7 (Eng. Abstr.) **(Rus)**

SUCCINATES

Membrane proteins in reverse micelles: myelin basic protein in a membrane–mimetic environment. Nicot C, et al. **Biochemistry** 1985 Nov 19;24(24):7024–32

1H–NMR of reverse micelles. II: Conformational studies of peptides and proteins in the AOT/water/isooctane system. De Marco A, et al. **J Biochem Biophys Methods** 1986 Jun; 12(5–6):335–47

1H–NMR of reverse micelles. I: The surfactant resonances as probes for the AOT/water/isooctane system. De Marco A, et al. **J Biochem Biophys Methods** 1986 Jun; 12(5–6):325–33

ADMINISTRATION & DOSAGE

Use of topical lithium succinate for seborrhoeic dermatitis. Boyle J, et al. **Br Med J [Clin Res]** 1986 Jan 4;292(6512):28

[Reparative regeneration of bone tissue in white rats administered metabolically active organic acids in the diet] Vlasov Bla. **Vopr Pitan** 1985 Sep–Oct;(5):46–8 (Eng. Abstr.) **(Rus)**

ANALYSIS

Immobilized respiratory chain activities from Escherichia coli utilized to measure D– and L–lactate, succinate, L–malate, 3–glycerophosphate, pyruvate, or NAD(P)H. Burstein C, et al. **Appl Biochem Biotechnol** 1986 Feb; 12(1):1–15

BIOSYNTHESIS

A 1H NMR study of succinate synthesis from exogenous precursors in oxygen–deprived rat heart mitochondria. Pisarenko OI, et al. **Biochem Int** 1986 Jan;12(1):145–53

The anaerobic heart: succinate formation and mechanical performance of cat papillary muscle. Wiesner RJ, et al. **Exp Biol** 1986;45(1):55–64

[The NMR study of succinate formation from exogenous precursors in anaerobic rat heart mitochondria] Pisarenko OI, et al. **Biokhimiia** 1986 Jul;51(7):1174–9 (Eng. Abstr.) **(Rus)**

METABOLISM

Studies on the succinate dehydrogenating system. Interaction of the mitochondrial succinate–ubiquinone reductase with pyridoxal phosphate. Choudhry ZM, et al. **Biochim Biophys Acta** 1986 Jun 10;850(1):131–8

Differential investigation of the capacity of succinate oxidation in human skeletal muscle. Fischer JC, et al. **Clin Chim Acta** 1985 Nov 29;153(1):23–36

Inhibition of succinate oxidation and K+ transport in mitochondria during hibernation. Fedotcheva NJ, et al. **Comp Biochem Physiol [B]** 1985;82(1):191–5

The relative bioavailability of paracetamol and codeine after oral administration of a combination of buclizine, paracetamol and codeine, with or without docusate, and of paracetamol alone in healthy volunteers. Persaud N, et al. **Curr Med Res Opin** 1985;9(9):626–33

The H+/O ratio of proton translocation linked to the oxidation of succinate by mitochondria. Reply to a commentary. Lehninger AL, et al. **FEBS Lett** 1985 Nov 18;192(2):173–8

Differential labeling of the subunits of respiratory complex III with [3H]succinic anhydride, [14C]succinic anhydride, and p–diazobenzene–[35S]sulfonate. Ho SH, et al. **J Bioenerg Biomembr** 1985 Dec;17(6):333–48

A new ion exchanger with high in vivo sodium capacity. Mason NS, et al. **Kidney Int [Suppl]** 1985 Dec;17:S178–82

[Pentachlorophenol inhibition of succinate oxidation by the respiratory chain in submitochondrial particles from the bovine heart] Afanas'eva EV, et al. **Biokhimiia** 1986 May; 51(5):823–9 (Eng. Abstr.) **(Rus)**

[Effect of phenobarbital and benzonal on succinate and alpha–ketoglutarate oxidation by rat brain mitochondria] Khazanov VA, et al. **Biull Eksp Biol Med** 1985 Dec; 100(12):692–4 (Eng. Abstr.) **(Rus)**

[Succinate oxidation by rat brain mitochondria in experimental convulsions] Khazanov VA, et al. **Biull Eksp Biol Med** 1986 Jan;101(1):35–8 (Eng. Abstr.) **(Rus)**

[Regulation of the catalytic activity of enzymes incorporated into hydrated reversed micelles of a surface–active substance in an organic solvent. A new approach to the study of the inhibiting action of water–insoluble compounds] Kurganov BI, et al. **Dokl Akad Nauk SSSR** 1985;282(5):1263–7 **(Rus)**

[Interaction of succinate dehydrogenase with succinate and oxaloacetate during enzyme activation–deactivation] Vinogradov VV, et al. **Ukr Biokhim Zh** 1986 Mar–Apr; 58(2):16–9 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Influence of dioctyl sodium sulfosuccinate on the absorption of tetracycline. Shah VP, et al. **Biopharm Drug Dispos** 1986 Jan–Feb;7(1):27–33

Studies on the mechanism of action of dioctyl sodium sulphosuccinate in the human jejunum. Moriarty KJ, et al. **Gut** 1985 Oct;26(10):1008–13

[Pharmacological effect of the organic acid of Achillea alpina] Huang L. **Chung Yao Tung Pao** 1985 Nov; 10(11):38–40 **(Chi)**

[Metabolic effects of papaverine and pentamine combinations with nicotinic and succinic acids in experimental vascular pathology in rabbits] Rachkov AK. **Farmakol Toksikol** 1985 Sep–Oct;48(5):59–63 (Eng. Abstr.) **(Rus)**

[Relation between the secretory and enzyme activities of the gastric mucosa of dogs after intragastric administration of succinic acid] Nozdracheva LV, et al. **Patol Fiziol Eksp Ter** 1986 May–Jun;(3):61–4 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

A combination drug treatment for acute common migraine. Uzogara E, et al. **Headache** 1986 May;26(5):231–6

[Prognostic value of determining the succinate dehydrogenase activity of lymphocytes and the therapeutic effectiveness of sodium succinate in resuscitation of rats] Baranets NA, et al. **Biull Eksp Biol Med** 1985 Oct; 100(10):405–7 (Eng. Abstr.) **(Rus)**

TOXICITY

Acute toxicity and analgesic action of a combination of buclizine, codeine and paracetamol ('Migraleve') in tablet and suppository form in rats. Behrendt WA, et al. **Pharmatherapeutica** 1985;4(5):322–31

SUCCINIC ANHYDRIDES see under **SUCCINATES**

SUCCINIC OXIDASE see **SUCCINATE DEHYDROGENASE**

SUCCINIMIDES

Transblot studies with biotin–labeled proteins: electrophoretic mobilities and detection limits. Neumaier M, et al. **Anal Biochem** 1986 Jul;156(1):76–80

Enhancement by N–hydroxysulfosuccinimide of water–soluble carbodiimide–mediated coupling reactions. Staros JV, et al. **Anal Biochem** 1986 Jul;156(1):220–2

The N–hydroxysuccinimide ester of Boc–[S–(3–nitro–2–pyridinesulfenyl)]–cysteine: a heterobifunctional cross–linking agent. Bernatowicz MS, et al. **Biochem Biophys Res Commun** 1985 Nov 15; 132(3):1046–50

Assay of protein kinase C with an N–bromosuccinimide–cleavage fragment of histone H1. Glynn B, et al. **Biochem J** 1985 Oct 15;231(2):489–92

Identification of the interleukin–3 receptor using an iodinatable, cleavable, photoreactive cross–linking agent. Sorensen P, et al. **J Biol Chem** 1986 Jul 15;261(20):9094–7

ANALYSIS

Enzyme labeling of steroids by the N–succinimidyl ester method. Preparation of alkaline phosphatase–labeled antigen for use in enzyme immunoassay. Hosoda H, et al. **Chem Pharm Bull (Tokyo)** 1985 Dec;33(12):5393–8

CHEMICAL SYNTHESIS

A 125I–radiolabel transfer crosslinking reagent with a novel cleavable group. Schwartz MA. **Anal Biochem** 1985 Aug 15;149(1):142–52

Dynamics and interactions of the anion channel in intact human erythrocytes: an electron paramagnetic resonance spectroscopic study employing a new membrane–impermeant bifunctional spin–label. Beth AH, et al. **Biochemistry** 1986 Jul 1;25(13):3824–32

DIAGNOSTIC USE

[125I]Iodobolpyramine, a highly sensitive probe for histamine H1–receptors in guinea–pig brain. Korner M, et al. **Eur J Pharmacol** 1986 Jan 21;120(2):151–60

METABOLISM

Autoradiographic demonstration of endothelium–dependent 125I–Bolton–Hunter substance P binding to dog carotid artery. Stephenson JA, et al. **Eur J Pharmacol** 1986 May 27;124(3):377–8

Metabolism of a synthetic L–isoaspartyl–containing hexapeptide in erythrocyte extracts. Enzymatic methyl esterification is followed by nonenzymatic succinimide formation. Murray ED Jr, et al. **J Biol Chem** 1986 Jan 5;261(1):306–12

A study of the cerebral cortex cholecystokinin receptor using two radiolabelled probes: evidence for a common CCK 8 and CCK 4 cholecystokinin receptor binding site. Clark CR, et al. **J Neurochem** 1986 Apr;46(4):1094–101

Influence of the amino acids of substance P in the recognition of its receptor: affinities of synthesized SP analogues for the specific 125I–BHSP binding site on rat brain synaptosomes. Lavielle S, et al. **Neuropeptides** 1986 Feb–Mar;7(2):191–200

PHARMACODYNAMICS

Permanent suppression of phase separation cataract in calf lens using amine modification agents. Siezen RJ, et al. **Biochem Biophys Res Commun** 1985 Nov 27;133(1):239–47

N–hydroxysulfosuccinimido active esters and the L–(+)–lactate transport protein in rabbit erythrocytes. Donovan JA, et al. **Biochemistry** 1986 Apr 8;25(7):1538–45

The pharmacological assessment of RS 86 (2–ethyl–8–methyl–2,8–diazaspiro–[4,5]–decan–1,3–dion hydrobromide). A potent, specific muscarinic acetylcholine receptor agonist. Palacios JM, et al. **Eur J Pharmacol** 1986 Jun 5;125(1):45–62

Inactivation of cytosolic aspartate aminotransferase accompanying modification of Trp 48 by N–bromosuccinimide. Nagashima F, et al. **FEBS Lett** 1986 Mar 3;197(1–2):129–33

Change in binding reactivity of an anti–tumor monoclonal antibody after the introduction of 2–pyridyl disulphide groups. Orlandi R, et al. **Hybridoma** 1986 Spring;5(1):1–8

Identification of multiple binding sites for atrial natriuretic factor by affinity cross–linking in cultured endothelial cells. Leitman DC, et al. **J Biol Chem** 1986 Sep 5;261(25):11650–5

Mechanism of the calcium–dependent self–association of bovine prothrombin. Use of a covalent cross–linking reagent to study the reaction. Tarvers RC, et al. **J Biol Chem** 1986 Apr 15;261(11):4855–9

Effect of oxidizing agents on rabbit mammary prolactin receptors. Mahajan PB, et al. **Mol Cell Endocrinol** 1986 Jun;46(1):37–42

THERAPEUTIC USE

Muscarinic agonist therapy of Alzheimer's disease. A clinical trial of RS–86. Bruno G, et al. **Arch Neurol** 1986 Jul; 43(7):659–61

[Therapeutic effect of pyridoxine and succinimide in the treatment of a patient with primary hyperoxaluria] Jerez E, et al. **Arch Esp Urol** 1986 May;39(4):279–82 (Eng. Abstr.) **(Spa)**

TOXICITY

Acute nephrotoxicity of isomeric N–(dichlorophenyl)succinimides in Sprague–Dawley and Fischer 344 rats. Yang DJ, et al. **Fundam Appl Toxicol** 1985 Dec;5(6 Pt 1):1119–27

Acute N–(3,4,5–trichlorophenyl)succinimide–induced nephrotoxicity in Sprague–Dawley and Fischer–344 rats. Yang DJ, et al. **Toxicol Lett** 1986 Jun;31(3):219–28

Effect of succinimide ring modification on N–(3,5–dichlorophenyl)succinimide–induced nephrotoxicity in Sprague–Dawley and Fischer 344 rats. Yang DJ, et al. **Toxicology** 1985 Oct;37(1–2):65–77

SUCCINYL COENZYME A SYNTHETASES see under **COENZYME A SYNTHETASES**

SUCCINYLCHOLINE

Patients with Huntington's chorea may respond normally to succinylcholine [letter] Costarino A, et al. **Anesthesiology** 1985 Nov;63(5):570

Pseudocholinesterase activity and atracurium v. suxamethonium block. Baraka A, et al. **Br J Anaesth** 1986; 58 Suppl 1:91S–95S

Emergency intubation of the trachea facilitated by suxamethonium. Observations in obstetric and general surgical patients. Carnie JC, et al. **Br J Anaesth** 1986 May; 58(5):498–501

Atracurium compared with suxamethonium for outpatient laparoscopy. Dodgson MS, et al. **Br J Anaesth** 1986;58 Suppl 1:40S–43S

Shortened action of succinylcholine in individuals with cholinesterase C5 isozyme. Sugimori T. **Can Anaesth Soc J** 1986 May;33(3 Pt 1):321–7

[Myoglobin liberation by succinylbischoline in various anesthesia procedures in ophthalmologic surgery] Olthoff D, et al. **Anaesthesiol Reanim** 1986;11(3):147–52 (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

A pre–induction test dose for suxamethonium. Carnie J. **Anaesthesia** 1986 Apr;41(4):358–62

Open eye injuries [letter] Bourke DL. **Anesthesiology** 1985 Dec;63(6):727

Neuromuscular blockade for critical patients in the emergency department. Roberts DJ, et al. **Ann Emerg Med** 1986 Feb;15(2):152–6

Prolonged infusion of suxamethonium in infants and children. Bevan JC, et al. **Br J Anaesth** 1986 Aug;58(8):839–43

Succinylcholine, fasciculations and myoglobinaemia. Blanc VF, et al. **Can Anaesth Soc J** 1986 Mar;33(2):178–84

Rapid neuromuscular blockade: are there alternatives to succinylcholine? Murray DJ, et al. **Middle East J Anesthesiol** 1986 Jun;8(5):363–9 (22 ref.)

[Vecuronium: onset of effect and intubation conditions in comparison to pancuronium and suxamethonium] Engel B, et al. **Anaesthesist** 1985 Dec;34(12):645–50 (Eng. Abstr.)

(Ger)
[Significance of intervals of SCC administrations in the development of phase II block] Tohdoh Y. **Masui** 1986 Apr;35(4):579–86 (Eng. Abstr.) (Jpn)

ADVERSE EFFECTS

Suxamethonium-induced hyperkalaemia following cold injury. Laycock JR, et al. **Anaesthesia** 1986 Jul;41(7):739–41
Severe muscle spasm during surgery [letter] Mostafa SM, et al. **Anaesthesia** 1985 Oct;40(10):1020
Prolonged neuromuscular blockade following suxamethonium in a patient with a normal genotype. Sapsford DJ, et al. **Anaesthesia** 1986 Aug;41(8):844–6
Succinylcholine and open eye injury [letter] **Anesthesiology** 1986 Apr;64(4):524–6
Unexpected hyperthermia manifesting during outpatient anesthesia. Braude BM, et al. **Anesthesiology** 1986 May; 64(5):647–50
Side effects induced by suxamethonium on the skeletal muscle and their prevention [letter] Plötz J, et al. **Br J Anaesth** 1985 Oct;57(10):1044–5
Suxamethonium-induced cardiac arrest as an initial manifestation of Duchenne muscular dystrophy [letter] Solares G, et al. **Br J Anaesth** 1986 May;58(5):576
Prevention of histamine-induced cardiovascular reactions during the induction of anaesthesia following premedication with H1- + H2-antagonists i.m. Tryba M, et al. **Br J Anaesth** 1986 May;58(5):478–82
Haemodynamic reactions to succinylcholine—an alternative hypothesis [letter] Baraka A. **Can Anaesth Soc J** 1986 Mar; 33(2):252–4
The effects of atracurium on intraocular pressure during steady state anaesthesia and rapid sequence induction: a comparison with succinylcholine. Lavery GG, et al. **Can Anaesth Soc J** 1986 Jul;33(4):437–42
Duchenne muscular dystrophy and malignant hyperthermia—two case reports. Wang JM, et al. **Can Anaesth Soc J** 1986 Jul;33(4):492–7
Unusual response following use of succinylcholine in a horse anesthetized with halothane. Riedesel DH, et al. **J Am Vet Med Assoc** 1985 Sep 1;187(5):507–8
Anesthetic induction trismus, more than a closed-mouth problem. Skoog SJ, et al. **J Urol** 1986 Sep;136(3):686–7
Suxamethonium sensitivity [letter] Pryor WJ. **NZ Med J** 1986 Apr 9;99(799):250
Reactions to suxemethonium [letter] Sage DJ. **NZ Med J** 1986 Jun 25;99(804):465
Suxamethonium, anaphylaxis and cardiovascular collapse [letter] Harrison GG. **S Afr Med J** 1986 Jan 18;69(2):86–7
Anaphylaxis due to suxamethonium? A case report. Klein MT, et al. **S Afr Med J** 1985 Oct 12;68(8):601–2
Hypokalaemia after suxamethonium administration. Milner A, et al. **S Afr Med J** 1986 Sep 13;70(6):343–5
[Rhabdomyolysis induced by succinylcholine and halothane in children. Description of a clinical case] Sodano R, et al. **Minerva Anestesiol** 1985 Mar;51(3):109–12 (Eng. Abstr.) (Ita)
[Family study of patients who have experienced succinylcholine apneas] Carrasco MS, et al. **Rev Esp Anestesiol Reanim** 1985 Jul–Aug;32(4):159–65 (Eng. Abstr.) (Spa)

ANALOGS & DERIVATIVES

The hydrolysis of succinyldithiocholine and related thiocholine esters by human plasma and purified cholinesterase. Wetherell JR, et al. **Biochem Pharmacol** 1986 Mar 15;35(6):939–45

ANTAGONISTS & INHIBITORS

Flunitrazepam prevents succinylcholine-induced increase in intra-ocular pressure. Vatashsky E, et al. **Pharmatherapeutica** 1985;4(4):223–6

DIAGNOSTIC USE

Concerning assay of serum cholinesterase with succinylcholine [letter] George PM, et al. **Anesthesiology** 1986 Jul;65(1):104–5
Is succinyldicholine the substrate of choice for the measurement of cholinesterase activity? Faye S, et al. **Clin Chem** 1986 Aug;32(8):1477–80

METABOLISM

Succinylcholine pharmacodynamics in peripartum patients. Leighton BL, et al. **Anesthesiology** 1986 Feb;64(2):202–5

PHARMACODYNAMICS

Patterns of ionized and total calcium in serum of children following suxamethonium. Kancir CB, et al. **Acta Anaesthesiol Belg** 1985 Sep;36(3):194–201
Ketanserin and malignant hyperthermia in pigs. Ording H, et al. **Acta Anaesthesiol Scand** 1986 Jan;30(1):7–9
Biochemical changes associated with suxamethonium [letter] Drake HF, et al. **Anaesthesia** 1986 Mar;41(3):328–9
Oral dantrolene prevents rise of myoglobin due to suxamethonium. Laurence AS. **Anaesthesia** 1985 Sep; 40(9):907–10
Biochemical changes following suxamethonium. Serum myoglobin, potassium and creatinine kinase changes before commencement of surgery. Laurence AS. **Anaesthesia** 1985 Sep;40(9):854–9
Succinylcholine pretreatment with magnesium sulfate. James MF, et al. **Anesth Analg** 1986 Apr;65(4):373–6
Rapid sequence induction using vecuronium. Kunjappan VE, et al. **Anesth Analg** 1986 May;65(5):503–6
Verapamil does not alter succinylcholine-induced increases in serum potassium during halothane anesthesia in normal dogs. Roth JL, et al. **Anesth Analg** 1985 Dec;64(12):1202–4
Cerebral stimulation following succinylcholine in dogs. Lanier WL, et al. **Anesthesiology** 1986 May;64(5):551–9
Increases in intracranial pressure from succinylcholine: prevention by prior nondepolarizing blockade. Minton MD, et al. **Anesthesiology** 1986 Aug;65(2):165–9
Suxamethonium chloride and malignant hyperpyrexia. Galloway GJ, et al. **Br J Anaesth** 1986 Apr;58(4):447–50
Modification by dantrolene, procaine and suxamethonium of caffeine-induced changes in sequorin luminescence transients and twitch tensions of directly-stimulated diaphragm muscle of mouse. Kimura I, et al. **Br J Pharmacol** 1985 Oct;86(2):319–26
Effect of thiamylal and diazepam on release of myoglobin and creatine phosphokinase by succinylcholine chloride during halothane anesthesia. Umino M, et al. **Bull Tokyo Med Dent Univ** 1985 Sep;32(3):91–6
Serum potassium following succinylcholine in patients with brain tumours. Minton MD, et al. **Can Anaesth Soc J** 1986 May;33(3 Pt 1):328–31
Asymmetric block of a monovalent cation-selective channel of rabbit cardiac sarcoplasmic reticulum by succinyl choline. Gray MA, et al. **J Membr Biol** 1985;88(1):85–95
A comparison of the succinylcholine induced ocular position and the postoperative alignment in strabismus. Lingua RW, et al. **J Pediatr Ophthalmol Strabismus** 1986 Mar–Apr; 23(2):69–73
Diabetes mellitus-induced hypersensitivity of mouse skeletal muscles to acetylcholine and succinylcholine. Kimura M, et al. **Jpn J Pharmacol** 1986 Feb;40(2):251–6
Conditions for endotracheal intubation after atracurium and suxamethonium. Famewo CE. **Middle East J Anesthesiol** 1986 Jun;8(5):371–7
Plasma cholinesterase in pregnancy—effect of enzyme activity on the duration of action of succinylcholine. Gyasi HK, et al. **Middle East J Anesthesiol** 1986 Jun;8(5):379–85
Interaction between atracurium and suxamethonium in the dog. Jones RS. **Res Vet Sci** 1986 May;40(3):299–302
[Serum myoglobin following intermittent administration of succinylcholine and the effect of dantrolene. Clinical studies of children in halothane anesthesia] Plötz J, et al. **Anaesthesist** 1985 Oct;34(10):513–5 (Eng. Abstr.) (Ger)
[Stress loading test of slaughter pigs by the injection of succicuran] Nowak A, et al. **Arch Exp Veterinarmed** 1985 Nov;39(6):817–24 (Eng. Abstr.) (Ger)
[A study in interaction of d-tubocurarine and succinylcholine using evoked electromyography in man] Ninomiya K. **Masui** 1986 Jan;35(1):114–24 (Eng. Abstr.) (Jpn)
[The effect of succinylcholine and d-tubocurarine on the denervated muscle in the rat] Takahashi S, et al. **Masui** 1985 Aug;34(8):1121–6 (Eng. Abstr.) (Jpn)

THERAPEUTIC USE

Failure of succinylcholine to alter plasma potassium in children with myelomeningocoele. Dierdorf SF, et al. **Anesthesiology** 1986 Feb;64(2):272–3
Atracurium for short surgical procedures: a comparison with succinylcholine. Gyasi HK, et al. **Can Anaesth Soc J** 1985 Nov;32(6):613–7

TOXICITY

Comparison of the effects of succinylcholine and atracurium on intracranial pressure in monkeys with intracranial hypertension. Haigh JD, et al. **Can Anaesth Soc J** 1986 Jul;33(4):421–6

SUCCINYLDICHOLINE see SUCCINYLCHOLINE

SUCKING BEHAVIOR

Spontaneous non-nutritive sucking in continuously fed infants. Lepecq JC, et al. **Early Hum Dev** 1985 Dec; 12(3):279–84
The initiation of lactation: the effect of early versus delayed contact for suckling on milk intake in the first week post-partum. A study in Chiang Mai, Northern Thailand. Woolridge MW, et al. **Early Hum Dev** 1985 Dec; 12(3):269–78
Nutritive and non-nutritive sucking in preterm infants. Daniëls H, et al. **J Dev Physiol** 1986 Apr;8(2):117–21
Conditioned aversions and their memories in 5-day-old rats during suckling. Kehoe P, et al. **J Exp Psychol [Anim Behav]** 1986 Jan;12(1):40–7
Mechanisms of feeding efficiency in preterm infants. Daniëls H, et al. **J Pediatr Gastroenterol Nutr** 1986 Jul–Aug; 5(4):593–6
Developmental differences in the effect of natural feeding on early enteric mucosal growth of guinea pigs. Thompson JF, et al. **J Pediatr Gastroenterol Nutr** 1986 Jul–Aug; 5(4):643–7
A new way to treat sucking and swallowing difficulties in babies. Selley WG, et al. **Lancet** 1986 May 24; 1(8491):1182–4
[Prepuce sucking and tongue play in housed fattening bulls] Sambraus HH, et al. **DTW** 1985 Nov 26;92(11–12):465–8 (Eng. Abstr.) (Ger)
[Pacifiers as a risk factor in the development of maxillodental deformities in young children] Simanovskaia Elu, et al. **Stomatologiia (Mosk)** 1986 May–Jun;65(3):72–3 (Eng. Abstr.) (Rus)
[Remaining sucking needs in the children in developed countries leads to dummy and finger sucking] Dahlin K, et al. **Lakartidningen** 1986 Feb 19;83(8):618–9 (Swe)

DRUG EFFECTS

Suckling deficits in rat pups exposed to alcohol in utero. Rockwood GA, et al. **Teratology** 1986 Apr;33(2):145–51

PHYSIOLOGY

Plasma levels of oxytocin increase in response to suckling and feeding in dogs and sows. Uvnäs-Moberg K, et al. **Acta Physiol Scand** 1985 Jul;124(3):391–8
Interaction between nonnutritive sucking and respiration in preterm infants. Paludetto R, et al. **Biol Neonate** 1986; 49(4):198–203
Plasma relaxin levels during suckling and oxytocin stimulation in the lactating sow. Whitely J, et al. **Biol Reprod** 1985 Oct;33(3):705–14
An ultrasonographic study of the organisation of sucking and swallowing by newborn infants. Weber F, et al. **Dev Med Child Neurol** 1986 Feb;28(1):19–24
Histidyl-proline-diketopiperazine (cyclo-his-pro) inhibits the suckling- and domperidone-induced transformation of prolactin in the lactating rat. Shyr SW, et al. **Endocrinology** 1985 Nov;117(5):2170–5
A prospective longitudinal study of the release of oxytocin and prolactin in response to infant suckling in long term lactation. Johnston JM, et al. **J Clin Endocrinol Metab** 1986 Apr;62(4):653–7
Breathing pattern of neonates during nonnutritive sucking. Mathew OP, et al. **Pediatr Pulmonol** 1985 Jul–Aug; 1(4):204–6
A method for recording and analyzing intra-oral negative pressure in suckling rat pups. Brake SC, et al. **Physiol Behav** 1986;36(3):575–8
Pheromonal release of suckling in rabbits does not depend on the vomeronasal organ. Hudson R, et al. **Physiol Behav** 1986;37(1):123–8
[Sucking, a qualitative index of neonatal maturity] Couly G. **Arch Fr Pediatr** 1985 Nov;42(9):743–5 (Fre)
[Lactation: suckling and sleep, their relationship during reflex release of prolactin and oxytocin in rats] Voloschin LM, et al. **Arch Biol Med Exp (Santiago)** 1984 Dec; 17(3–4):215–22 (Eng. Abstr.) (Spa)

SUCRASE

ANALYSIS

Presence of sucrase in the yolk sac of the chick. Matsushita S. **J Exp Zool** 1986 Mar;237(3):337–46

ANTAGONISTS & INHIBITORS

New method of testing for carbohydrate absorption in man. Xylose and sucrose absorption; effects of sucrase inhibition. Higuchi S, et al. **Dig Dis Sci** 1986 Apr;31(4):369–75
Castanospermine: a potent inhibitor of sucrase from the human enterocyte-like cell line Caco-2. Trugnan G, et al. **FEBS Lett** 1986 Jan 20;195(1–2):28–32

GENETICS

Evidence for a possible regulatory gene (Suc-1) controlling sucrase expression in mouse intestine. James PS, et al. **Biochem Genet** 1986 Apr;24(3–4):169–81

ISOLATION & PURIFICATION

Origin and function of the multiple extracellular glucosyltransferase species from cultures of a serotype c strain of Streptococcus mutans. Asem KG, et al. **Arch Biochem Biophys** 1986 Feb 1;244(2):607–18

METABOLISM

Streptococci and activities of sucrases and alpha-amylases in supragingival dental plaque and saliva in three caries activity groups. Fiehn NE, et al. **Acta Odontol Scand** 1986 Feb;44(1):1–9
Intestinal mucosa in diabetes: synthesis of total proteins and sucrase-isomaltase. Olsen WA, et al. **Am J Physiol** 1986 Jun;250(6 Pt 1):G788–93
Alterations of intestinal membrane-bound enzymes in three types of hypertensive rats. Gilles-Baillien M, et al. **Clin Sci** 1986 Jun;70(6):617–26
Intestinal brush border membrane marker enzymes, lipid composition and villus morphology: effect of fasting and diabetes mellitus in rats. Keelan M, et al. **Comp Biochem Physiol [A]** 1985;82(1):83–9
Effect of intravenous and intragastric fat infusion on intestinal brush border enzyme activities in rats. Doffoel M, et al. **Eur Surg Res** 1986;18(2):107–11
Ontogenic timing mechanism initiates the expression of rat intestinal sucrase activity. Yeh KY, et al. **Gastroenterology** 1986 Mar;90(3):520–6
Endogenous corticosterone rather than dietary sucrose as a modulator for intestinal sucrase activity in artificially reared rat pups. Yeh KY, et al. **J Nutr** 1986 Jul;

116(7):1334–42
Dietary regulation of intestinal lactase and sucrase in adult rats: quantitative comparison of effect of lactose and sucrose. Goda T, et al. **J Pediatr Gastroenterol Nutr** 1985 Dec;4(6):998–1008
Effect of external abdominal irradiation on intestinal morphology and brush border membrane enzyme and lipid composition. Keelan M, et al. **Radiat Res** 1986 Jan; 105(1):84–96
Influence of creep feeding and weaning on brush border enzyme activities in the piglet small intestine. Hampson DJ, et al. **Res Vet Sci** 1986 Jan;40(1):24–31
Small intestinal sucrase activity during experimental infections with Nippostrongylus brasiliensis and/or Eimeria nieschulzi in rats. Mayberry LF, et al. **Z Parasitenkd** 1986; 72(4):561–4

SUCRASE–ISOMALTASE COMPLEX see under **MULTIENZYME COMPLEXES**

SUCROSE

An opioid antagonist, naltrexone, reduces preference for sucrose in humans. Fantino M, et al. **Am J Physiol** 1986 Jul;251(1 Pt 2):R91–6
Membrane fusion due to dehydration by polyethylene glycol, dextran, or sucrose. MacDonald RI. **Biochemistry** 1985 Jul 16;24(15):4058–66
An X-ray diffraction and differential scanning calorimetric study on the effect of sucrose on the properties of phosphatidylcholine bilayers. Stümpel J, et al. **Biochim Biophys Acta** 1985 Nov 21;821(1):165–8
Invertase-catalysed fructosyl transfer in concentrated solutions of sucrose. Straathof AJ, et al. **Carbohydr Res** 1986 Jan 15;146(1):154–9
The use of sugar in foods. Koivistoinen P, et al. **Int Dent J** 1985 Sep;35(3):175–9
Factors associated with the acceptance of sugar and sugar substitutes by the public. Mackay DA. **Int Dent J** 1985 Sep;35(3):201–9
Salbutamol, d-amphetamine and d-fenfluramine reduce sucrose intake in freely fed rats by acting on different neurochemical mechanisms. Borsini F, et al. **Int J Obes** 1985;9(4):277–83
Biochemical changes during sucrose deprivation in higher plant cells. Journet EP, et al. **J Biol Chem** 1986 Mar 5; 261(7):3193–9
Effects of rate and distance of procurement wheel-running on saccharin-and-sucrose solution drinking by non-deprived rats. Gannon KN, et al. **Physiol Behav** 1986; 36(3):539–43
Sugar-free liquid pharmaceuticals. Dangor CM, et al. **S Afr Med J** 1986 Aug 16;70(4):199–200
[Effect of taste deafferentation on the preference for solutions of saccharose, saccharin and salt in rats] Serova ON, et al. **Zh Vyssh Nerv Deiat** 1986 Jan–Feb;36(1):150–5 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Collaborative WHO xylitol field studies in Hungary. II. General background and control of the dietary regimen. Bánóczy J, et al. **Acta Odontol Scand** 1985 Dec; 43(6):349–57
Caries prevalence, salivary Streptococcus mutans and dietary scores in 13-year-old Swedish schoolchildren. Kristoffersson K, et al. **Community Dent Oral Epidemiol** 1986 Aug;14(4):202–5
The effects of maternal diabetes and high sucrose diets on the intrauterine development of rat fetuses. Zusman I, et al. **Diabetes Res** 1986 Mar;3(3):153–9
Glycaemic responses to minimal amounts of sucrose and wheat starch in diabetes. Porta M, et al. **Diabetes Res Clin Pract** 1985–86 Feb;1(5):299–302
Sucrose in the diet of diabetic patients—just another carbohydrate? Peterson DB, et al. **Diabetologia** 1986 Apr; 29(4):216–20
Uptake of lipids into rabbit jejunum and colon following ileal resection. Effect of variations in dietary content of carbohydrate. Thomson AB. **Dig Dis Sci** 1986 Feb; 31(2):193–201
In vivo measurements of sulcal plaque pH after topical applications of sorbitol and sucrose in rats fed sorbitol or sucrose. Firestone AR, et al. **J Dent Res** 1986 Jul; 65(7):1020–3
Enamel demineralization and the length of intra-oral exposure to different concentrations of glucose or sucrose. Tehrani A, et al. **J Dent Res** 1986 Feb;65(2):139–45
Development of anemia in copper-deficient rats fed high levels of dietary iron and sucrose. Johnson MA, et al. **J Nutr** 1986 Jul;116(7):1225–38
Glucose tolerance and plasma lipid distributions in rats fed a high-sucrose, high-cholesterol, low-chromium diet. Donaldson DL, et al. **Metabolism** 1985 Dec;34(12):1086–93
Sucrose intake unaffected by fenfluramine but suppressed by amphetamine administration. Orthen-Gambill N. **Psychopharmacology (Berlin)** 1985;87(1):25–9
["Tooth-friendly" school milk]Maiwald HJ, et al. **Zahn Mund Kieferheilkd** 1986;74(4):342–5 (Eng. Abstr.) **(Ger)**
[Cathepsin B and D activity in the mucous membrane of the small intestine of rats on a high-saccharose diet and added selenium] Kosarev AV. **Vopr Pitan** 1985 Nov–Dec; (6):42–4 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Interaction of dietary sucrose and fiber on serum lipids in healthy young men fed high carbohydrate diets. Albrink MJ, et al. **Am J Clin Nutr** 1986 Mar;43(3):419–28
Behavioral effects of dietary sucrose in disturbed children [letter] Kaplan HK, et al. **Am J Psychiatry** 1986 Jul; 143(7):944–5
Cariology: state of the art review needed [letter] Midda M. **Br Dent J** 1986 Aug 9;161(3):89
Coffee, tea, and plasma cholesterol: the Jerusalem Lipid Research Clinic prevalence study [letter] Yudkin J. **Br Med J [Clin Res]** 1985 Nov 9;291(6505):1353
Sugar and dental caries: a review of the evidence. Rugg-Gunn AJ, et al. **Community Dent Health** 1984 Jul; 1(2):85–92 (40 ref.)
Oral effects of sugars and sweeteners. Kleinberg I. **Int Dent J** 1985 Sep;35(3):180–9
Effect of high oral doses of xylitol versus sucrose on urinary risk factors of urolithiasis in man. Bär A. **Int J Vitam Nutr Res [Suppl]** 1985;28:91–118
Dietary factors and hyperactivity: a failure to replicate. Barling J, et al. **J Genet Psychol** 1985 Mar;146(1):117–23 (10 ref.)
Sucrose malabsorption in children: a report of thirty-one Greenlanders. Gudmand-Høyer E. **J Pediatr Gastroenterol Nutr** 1985 Dec;4(6):873–7
More on cane sugar to prevent famine [letter] Talwalker VC. **N Engl J Med** 1986 Jan 30;314(5):322
Cariogenicity of isomaltulose (palatinose), sucrose and mixture of these sugars in rats infected with Streptococcus mutans E-49. Sasaki N, et al. **Swed Dent J** 1985;9(4):149–55
[Dependence of experimental caries in the rat on the sucrose content of the cariogenic diet] Stösser L, et al. **Zahn Mund Kieferheilkd** 1985;73(5):448–55 (Eng. Abstr.) **(Ger)**

ANALOGS & DERIVATIVES

Interaction of deoxyhalosucrose derivatives with dextransucrase. Bhattacharjee MK, et al. **Carbohydr Res** 1985 Oct 15;142(2):277–84
Synthesis of 3-deoxy- and 3-deoxy-3-fluorosucrose, and alpha-D-allopyranosyl beta-D-fructofuranoside. Binder TP, et al. **Carbohydr Res** 1986 Mar 1;147(1):149–54
Inhibition of Streptococcus mutans 5715 glucosyltransferases by sucrose analogs modified at positions 6 and 6'. Binder TP, et al. **Carbohydr Res** 1985 Jul 1;140(1):9–20
Accumulation of sucrose polyesters in different organ lipids of rats in dependence on duration of application (short communication). Aust L, et al. **Nahrung** 1986;30(3–4):453–4

ANTAGONISTS & INHIBITORS

Antagonism of the gerbil's sucrose taste response by p-nitrophenyl alpha-D-glucopyranoside and chloramphenicol. Vlahopoulos V, et al. **J Neurosci** 1986 Sep;6(9):2611–5
A structure-activity study on the sucrose taste antagonist methyl 4,6-dichloro-4,6-dideoxy-alpha-D-galactopyranoside. Vlahopoulos V, et al. **J Neurosci** 1986 Sep;6(9):2604–10

DIAGNOSTIC USE

Andrew's liver salt as an effervescent in upper gastrointestinal radiography. Mohammed SH. **Gastrointest Radiol** 1985; 10(4):336–8
A new single sucrose-gap method allowing current to be injected and the resulting potential change to be recorded. Hashiguchi T. **Pflugers Arch** 1986 May;406(5):540–3

METABOLISM

Partial characterization of the genetic basis for sucrose metabolism and nisin production in Streptococcus lactis. Steele JL, et al. **Appl Environ Microbiol** 1986 Jan; 51(1):57–64
Use of digitonin extraction to distinguish between autophagic-lysosomal sequestration and mitochondrial uptake of [14C]sucrose in hepatocytes. Gordon PB, et al. **Biochem J** 1985 Dec 15;232(3):773–80
Aluminum induced reversible change in permeability of the blood-brain barrier to [14C]sucrose. Kim YS, et al. **Brain Res** 1986 Jul 9;377(2):286–91
Endoneurial capillary permeability to [14C]sucrose in frog sciatic nerve. Weerasuriya A, et al. **Brain Res** 1986 Jun 4;375(1):150–6
Changes in blood glucose and insulin after an oral palatinose administration in normal subjects. Kawai K, et al. **Endocrinol Jpn** 1985 Dec;32(6):933–6
Autophagic-lysosomal and mitochondrial sequestration of [14C]sucrose. Density gradient distribution of sequestered radioactivity. Tolleshaug H, et al. **Eur J Biochem** 1985 Dec 2;153(2):223–9
Autophagic sequestration of [14C]sucrose introduced into isolated rat hepatocytes by electrical and non-electrical methods. Gordon PB, et al. **Exp Cell Res** 1985 Oct; 160(2):449–58
A theoretical analysis of the effects of plaque thickness and initial salivary sucrose concentration on diffusion of sucrose into dental plaque and its conversion to acid during salivary clearance. Dawes C, et al. **J Dent Res** 1986 Feb;65(2):89–94
The intra-oral effect on enamel demineralization of extracellular matrix material synthesized from sucrose by Streptococcus mutans. Zero DT, et al. **J Dent Res** 1986 Jun;65(6):918–23
Maltase-glucoamylase and residual isomaltase in sucrose intolerant patients. Skovbjerg H, et al. **J Pediatr Gastroenterol Nutr** 1986 May–Jun;5(3):365–71
Effect of alpha-glycohydrolase inhibitors (Bay m1099 and Bay o1248) on sucrose metabolism in normal men. Cauderay M, et al. **Metabolism** 1986 May;35(5):472–7
Cloning in Escherichia coli and molecular analysis of the sucrose system of the Salmonella plasmid SCR-53. García JL. **MGG** 1985;201(3):575–7
Effect of Isabgol and cellulose on the digestion and absorption of sucrose by everted sacs of adult hamster intestine. Bijlani RL, et al. **Trop Gastroenterol** 1986 Jan–Mar;7(1):18–23
[Influence of oral sucrose on renal excretion of calcium, oxalate, urate and hydrogen ions] Ren ZY, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Dec;23(12):761–3, 783–4 (Eng. Abstr.) **(Chi)**
[Mechanism of saccharose retention on the teeth] Leont'ev VK, et al. **Stomatologiia (Mosk)** 1986 Jul–Aug;65(4):20–3 (Eng. Abstr.) **(Rus)**
[Adaptation of intestinal disaccharidases to saccharose in the ontogeny of chicks] Sheshukova TA, et al. **Zh Evol Biokhim Fiziol** 1985 Jul–Aug;21(4):354–8 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Structural changes in rat hepatocytes following ingestion of sugar solutions. Gottschall EG, et al. **Acta Anat (Basel)** 1985;123(3):178–88
Effect of sucrose ingestion on plasma glutamate concentrations in humans administered monosodium L-glutamate. Stegink LD, et al. **Am J Clin Nutr** 1986 Apr; 43(4):510–5
Sucrose substitution in prevention and reversal of the fall in metabolic rate accompanying hypocaloric diets. Hendler RG, et al. **Am J Med** 1986 Aug;81(2):280–4
Triglyceride kinetics: effects of dietary glucose, sucrose, or fructose alone or with hyperinsulinemia. Kazumi T, et al. **Am J Physiol** 1986 Mar;250(3 Pt 1):E325–30
Synergistic improvement of glucose tolerance by sucrose feeding and exercise training. Vallerand AL, et al. **Am J Physiol** 1986 Jun;250(6 Pt 1):E607–14
Dietary sucrose affects plasma HDL cholesterol concentration in young men. Yudkin J, et al. **Ann Nutr Metab** 1986;30(4):261–6
Gastric emptying of barley-soya-bean diets in the pig: effects of feeding level, supplementary maize oil, sucrose or cellulose, and water intake. Low AG, et al. **Br J Nutr** 1985 Sep;54(2):437–47
Inhibition of Streptococcus mutans 6715 glucosyltransferases by sucrose analogs modified at positions 6 and 6'. Binder TP, et al. **Carbohydr Res** 1985 Jul 1;140(1):9–20
Effect induced by a chalk-based toothpaste on the pH changes of plaque challenged by a high sugar diet over an 8-hour period. Duke SA. **Caries Res** 1986;20(4):381–4
Effects of sucrose feeding and injection of lipid transfer protein on rat plasma lipoproteins. Ha YC, et al. **Comp Biochem Physiol [B]** 1986;83(2):463–6
Immunofluorescence analysis of sucrose-induced changes in spindle morphology. Mullins JM, et al. **Eur J Cell Biol** 1986 Jan;39(2):333–40
Structural implications of kinetochore function in sucrose-treated PtK1 cells. Pover NK, et al. **Eur J Cell Biol** 1986 Jan;39(2):366–72
Submicroscopical changes in Klebsiella pneumoniae cells treated with concentrated sucrose and polyethylene glycol 400 solutions. Bozzini JP, et al. **J Appl Bacteriol** 1986 May; 60(5):375–9
In vivo measurements of sulcal plaque pH in rats after topical applications of xylitol, sorbitol, glucose, sucrose, and sucrose plus 53 mM sodium fluoride. Firestone AR, et al. **J Dent Res** 1986 Jan;65(1):44–8
Taste responses from the chorda tympani nerve in young and old Fischer rats. McBride MR, et al. **J Gerontol** 1986 May;41(3):306–14
Hemolytic activity of leukemic sera: the role of complement and sucrose. Berchtold PE, et al. **J Lab Clin Med** 1986 Jun;107(6):544–50
Endogenous corticosterone rather than dietary sucrose as a modulator for intestinal sucrase activity in artificially reared rat pups. Yeh KY, et al. **J Nutr** 1986 Jul; 116(7):1334–42
Metabolic effects of added dietary sucrose in individuals with noninsulin-dependent diabetes mellitus (NIDDM). Coulston AM, et al. **Metabolism** 1985 Oct;34(10):962–6
Perception of sweetness: the effects of concentration and temperature. Calviño AM. **Physiol Behav** 1986;36(6):1021–8
Genetic obesity and dietary sucrose decrease hepatic glucagon and insulin receptors in LA/N-corpulent rats. Bhathena SJ, et al. **Proc Soc Exp Biol Med** 1986 Jan; 181(1):71–7
Effects of dietary sucrose or fructose on carbohydrate and lipid metabolism. Animal studies. Vrána A, et al. **Prog Biochem Pharmacol** 1986;21:59–73 (74 ref.)
[Improved method for the preparation of freeze dried human serum for the determination of various lipids] Oda S, et al. **Rinsho Byori** 1985 Oct;33(10):1165–9 **(Jpn)**

PHYSIOLOGY

Sucrose permeability of the blood–retinal and blood–brain barriers. Effects of diabetes, hypertonicity, and iodate. Ennis SR, et al. **Invest Ophthalmol Vis Sci** 1986 Jul; 27(7):1095–102

TOXICITY

Light- and electron-microscopic evaluation of renal tubular cell vacuolation induced by administration of nitrilotriacetate or sucrose. Merski JA, et al. **Food Chem Toxicol** 1985 Oct;23(10):923–30

Diazoxide prevents the development of hormonal and metabolic abnormalities present in rats fed a sucrose rich diet. Gutman R, et al. **Horm Metab Res** 1985 Oct; 17(10):491–4

Sucrose dilution of glycerol from mouse embryos frozen rapidly in liquid nitrogen vapour. Szél A, et al. **J Reprod Fertil** 1986 Jan;76(1):401–8

Morphological changes of organs after sucrose or fructose feeding. Poulsom R. **Prog Biochem Pharmacol** 1986; 21:104–34 (122 ref.)

SUCTION

Negative bone scans of joints after aspiration or arthrography: experimental studies. Traughber PD, et al. **AJR** 1986 Jan;146(1):87–91

Sudden hemodynamic collapse following relief of cardiac tamponade in aortic dissection. Coplan NL, et al. **Am Heart J** 1986 Feb;111(2):405–6

Partially ventilated endotracheal suction. Use in newborns with respiratory distress syndrome. Gunderson LP, et al. **Am J Dis Child** 1986 May;140(5):462–5

Comparison of low- and high-volume irrigation-aspiration systems for extracapsular cataract extraction. O'Grady GE, et al. **Am J Ophthalmol** 1986 Jul 15;102(1):91–4

Physiologic changes induced by endotracheal instillation and suctioning in critically ill preterm infants with and without sedation. Ninan A, et al. **Am J Perinatol** 1986 Apr;3(2):94–7

Local anaesthesia in dental practice. II. A laboratory investigation of a self-aspirating system. Meechan JG, et al. **Br Dent J** 1985 Aug 24;159(4):109–13

Aspirating techniques [letter] Peers A. **Br Dent J** 1985 Nov 9;159(9):276

Cefoxitin single dose prophylaxis and/or T tube suction drainage for vaginal and abdominal hysterectomy (Prospective randomized trial on 155 patients). Scotto V, et al. **Clin Exp Obstet Gynecol** 1985;12(3–4):75–81

Oocyte recovery methods in in-vitro fertilization. DeCherney AH, et al. **Clin Obstet Gynecol** 1986 Mar; 29(1):171–9

Ultrasonically guided percutaneous and laparoscopic oocyte aspiration: a comparative study. Janssen-Caspers HA, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Apr; 21(4):219–23

Luteal phase serum progesterone levels after follicle aspiration with and without clomiphene citrate treatment. Oskowitz S, et al. **Fertil Steril** 1986 Sep;46(3):461–5

The treatment of macular holes by pars plana vitrectomy and internal air/SF6 exchange. Chignell AH, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(1):67–8

Aspiration pressure of phacoemulsification tips [letter] Weiss IS. **J Cataract Refract Surg** 1986 Mar;12(2):173

Meconium aspiration [letter] McGunegle DE. **J Fam Pract** 1986 Apr;22(4):326

Aspiration of ganglia. Nield DV, et al. **J Hand Surg [Br]** 1986 Jun;11(2):264

Declotting closed suction systems. Alessi DM, et al. **Laryngoscope** 1986 Aug;96(8):917–8

Extracellular K+ and Ca2+ activities measured during the action of negative pressure under a suction electrode placed on the surface of frog heart ventricle. Slavíček J, et al. **Physiol Bohemoslov** 1985;34(3):201–7

Death following suction lipectomy and abdominoplasty [letter] Christman KD. **Plast Reconstr Surg** 1986 Sep; 78(3):428

Defatting of flaps by means of suction-assisted lipectomy. Hallock GG. **Plast Reconstr Surg** 1985 Dec;76(6):948–52

[Puncture of a peritonsillar abscess] Lexow H. **Tidsskr Nor Laegeforen** 1986 May 30;106(15):1319–20 (Eng. Abstr.) (Nor)

ADVERSE EFFECTS

Effect of lidocaine on ICP response to endotracheal suctioning. Yano M, et al. **Anesthesiology** 1986 May; 64(5):651–3

Airborne contamination during cardiopulmonary bypass: the role of cardiotomy suction. van Oeveren W, et al. **Ann Thorac Surg** 1986 Apr;41(4):401–6

Assessment of the early risks of chorionic villus sampling. Hunter AG, et al. **Can Med Assoc J** 1986 Apr 1; 134(7):753–6

The effect of laparoscopic follicular aspiration on ovarian steroidogenesis during the early preimplantation period. Vargyas J, et al. **Fertil Steril** 1986 Feb;45(2):221–5

Small bowel perforation following vacuum suction drainage. Gray AJ, et al. **J R Coll Surg Edinb** 1985 Oct;30(5):324–5

Pseudothrombophlebitis of the thigh: unusual complication of repeated aspiration of recurrent knee effusion. Dunn NA. **J R Soc Med** 1986 May;79(5):299–300

Suction for liquid silicone [letter] Zandi I. **Plast Reconstr Surg** 1986 Jun;77(6):1010

INSTRUMENTATION

Evaluation of histological appearance of tissues removed by cavitron ultrasonic surgical aspirator (CUSA). Malhotra V, et al. **Acta Neurochir (Wien)** 1986;81(3–4):132–4

Aspiration-irrigation syringe for extracapsular cataract extraction operated with one hand. Lobel D, et al. **Am J Ophthalmol** 1986 May 15;101(5):611

Vitalograph emergency aspirator [letter] Taylor GT, et al. **Anaesthesia** 1984 Sep;39(9):932

The use of the Mini-Flap wound suction drain in maxillofacial surgery. Nasser NA. **Ann R Coll Surg Engl** 1986 May;68(3):151–3

The design and development of an irrigating sucking cutter for neurosurgical use. Frost RB, et al. **Eng Med** 1986 Jan; 15(1):9–12

A new culdocentesis system. Wiegerinck MA, et al. **Fertil Steril** 1986 Mar;45(3):434–6

An automated device for aseptically aspirating serum from blood collection tubes. Seebaugh WR, et al. **IEEE Trans Biomed Eng** 1986 Jun;33(6):610–6

Device for rapid quantification of human carotid baroreceptor–cardiac reflex responses. Sprenkle JM, et al. **J Appl Physiol** 1986 Feb;60(2):727–32

An investigation into contamination of operative suction. Greenough CG. **J Bone Joint Surg [Br]** 1986 Jan; 68(1):151–3

Supplementary uses of the suction device for resident training in ear surgery [letter] Rubin JS. **J Otolaryngol** 1986 Apr; 15(2):135–6

The new ReliaVac drain after cholecystectomy. A comparative clinical and ultrasonic trial. Bartolo DC, et al. **J R Coll Surg Edinb** 1985 Dec;30(6):358–9

Haemorrhage following insertion of continuous suction drains at appendicectomy. Cameron-Strange A, et al. **J R Coll Surg Edinb** 1985 Aug;30(4):271–2

Subcutaneous thoracentesis utilizing an Ommaya reservoir in amyloid cardiomyopathy. Mitnick HJ, et al. **JAMA** 1986 Mar 7;255(9):1170–1

Thoracentesis using the Husted needle and loss of resistance technique: report of a technique. Klein DS, et al. **Milit Med** 1986 May;151(5):280–1

Comparison between 14" and 16" gauge needles for aspiration of human oocytes. Confino E, et al. **Mt Sinai J Med (NY)** 1986 Apr;53(4):250–3

Modification of suction cannulas to prevent capsular or zonular tears during extracapsular cataract extraction. Avni I, et al. **Ophthalmic Surg** 1986 May;17(5):308

A dual-suction sponge system. Mizuno K. **Ophthalmic Surg** 1986 Jul;17(7):438–40

Home cleaning-disinfection procedure for tracheal suction catheters. Shabino CL, et al. **Pediatr Infect Dis** 1986 Jan–Feb;5(1):54–8

A new motor-driven surgical probe and its in vitro comparison with the Cavitron Ultrasonic Surgical Aspirator. Chan KK, et al. **Ultrasound Med Biol** 1986 Apr; 12(4):279–83

Cavitrons in urologic surgery. Addonizio JC, et al. **Urol Clin North Am** 1986 Aug;13(3):445–54

[Gastric aspiration wih 2 different gastric tubes during anesthesia] Adelhøj B, et al. **Ugeskr Laeger** 1985 Sep 23; 147(39):3067–8 (Eng. Abstr.) (Dan)

[The value of gastric aspiration with a wide-bored tube prior to emergency anesthesia] Adelhøj B, et al. **Ugeskr Laeger** 1985 Sep 23;147(39):3064–6 (Eng. Abstr.) (Dan)

[Domiciliary mucus aspirators. Equipment and utilization] Cazalà JB, et al. **Agressologie** 1985 Oct;26(9):747–51 (Eng. Abstr.) (Fre)

[The modular ocular microaspirator, 1st French apparatus for automated irrigation-aspiration] Cornic JC. **J Fr Ophtalmol** 1985;8(8–9):585–6 (Fre)

[Management of the presacral space following colorectal surgery of malignant tumors. Results of 50 consecutive operations] Hoekstra HJ, et al. **Chirurg** 1986 Jun; 57(6):388–93 (Eng. Abstr.) (Ger)

[Fatty tissue suctioning or aspiration lipectomy] Kesselring UK. **Chirurg** 1985 Dec;56(12):768–72 (Ger)

[Device test for vitrectomy, cryopexy and irrigation/aspiration] Bechrakis E, et al. **Fortschr Ophthalmol** 1985;82(5):488–9 (Eng. Abstr.) (Ger)

[Planned extracapsular cataract extraction using a bimanual irrigation-aspiration system] Welge-Lüssen L, et al. **Fortschr Ophthalmol** 1985;82(6):524–6 (Eng. Abstr.) (Ger)

[Experimental study on the effect of intracranial use of ultrasonic surgical aspirator with electric striction transducer] Konishi T, et al. **Neurol Med Chir (Tokyo)** 1985 Nov;25(11):894–9 (Eng. Abstr.) (Jpn)

[The irrigator-aspirator] Bondarchuk OI, et al. **Klin Khir** 1986;(1):72–3 (Rus)

[The aspirator "Effekt" for drainage of the pleural cavity] Fedun AA, et al. **Voen Med Zh** 1986 Jun;(6):68–9 (Rus)

[Hermetic suction drainage of the thoracic cavity] Omanik S. **Rozhl Chir** 1986 Apr;65(4):284–95 (Eng. Abstr.) (Slo)

METHODS

CT-guided percutaneous aspiration and catheter drainage of pyogenic liver abscesses. Attar B, et al. **Am J Gastroenterol** 1986 Jul;81(7):550–5

Liposuction. Redefining body proportions. Baj PA. **AORN J** 1986 May;43(5):1127, 1129, 1131–5

Intentional retinotomy for internal drainage of subretinal fluid [letter] Doft BH. **Arch Ophthalmol** 1986 Jun;104(6):807–8

Noninvasive' treatment of esophagogastric anastomotic leakage [letter] Ofek B, et al. **Arch Surg** 1986 Jan;121(1):124

Posterolateral percutaneous suction-excision of herniated lumbar intervertebral discs. Report of interim results. Kambin P, et al. **Clin Orthop** 1986 Jun;(207):37–43

A technique for foreign body removal from the airway. Thorburn JR, et al. **Endoscopy** 1986 Mar;18(2):71–2

Transvaginal sonographically controlled follicle puncture for oocyte retrieval. Dellenbach P, et al. **Fertil Steril** 1985 Nov; 44(5):656–62

Adventitial cyst of the popliteal artery: CT-guided percutaneous aspiration. Wilbur AC, et al. **J Comput Assist Tomogr** 1986 Jan–Feb;10(1):161–3

Liposuction for lipomas. Rubenstein R, et al. **J Dermatol Surg Oncol** 1985 Nov;11(11):1070–4

Paracentesis abdominis as an aid to diagnosis. Shafique M, et al. **J Indian Med Assoc** 1985 Nov;83(11):369–71

Percutaneous aspiration and catheter drainage of abscesses. Diament MJ, et al. **J Pediatr** 1986 Feb;108(2):204–8

A method of secure fixation of suction drains. Milling MA, et al. **J R Coll Surg Edinb** 1985 Jun;30(3):195

Intraoperative auditory brain stem response monitoring during ultrasonic aspiration of posterior fossa tumors. Mangham CA, et al. **Otolaryngol Head Neck Surg** 1986 Jan;94(1):61–8

Hazards of delivery room resuscitation using oral methods of endotracheal suctioning. Ballard JL, et al. **Pediatr Infect Dis** 1986 Mar–Apr;5(2):198–200

A simple, inexpensive technique for clearing obstructed closed suction drainage catheters. Sondak VK, et al. **Surg Gynecol Obstet** 1985 Dec;161(6):594–6

Controlled cardiotomy suction during clinical bubble oxygenator perfusions. Boonstra PW, et al. **Thorac Cardiovasc Surg** 1985 Oct;33(5):279–82

Evaluation of material obtained by ultrasonically guided puncture. Grønvall S, et al. **Ultrasound Med Biol** 1983; Suppl 2:439–40

[Protected distal aspiration in the identification of pathogenic microorganisms in pneumologic intensive care] Greil A, et al. **Rev Pneumol Clin** 1985;41(4):245–50 (Eng. Abstr.) (Fre)

[Percutaneous aspiration thromboembolectomy: an additional transluminal angioplasty method] Starck E, et al. **Dtsch Med Wochenschr** 1986 Jan 31;111(5):167–72 (Eng. Abstr.) (Ger)

[Aspiration lipectomy, late results, unsatisfactory results and their correction] Kesselring UK. **Handchir Mikrochir Plast Chir** 1985 Nov;17(6):331–5 (Eng. Abstr.) (Ger)

[Suction-drainage in the treatment of chronic osteomyelitis] Hendrich V, et al. **Unfallchirurgie** 1986 Apr;12(2):101–3 (Eng. Abstr.) (Ger)

[Postoperative wound suction drainage and its effect on wound healing] Härle A. **Z Orthop** 1985 May–Jun; 123(3):395–402 (Eng. Abstr.) (Ger)

[Preliminary results of conservative treatment of thyroid cysts by the method of puncture aspiration] Szot W, et al. **Folia Med Cracov** 1984;25(3–4):329–37 (Eng. Abstr.) (Pol)

[Preventive drainage of postoperative wounds contaminated by bacteria] Maksimov IuM, et al. **Sov Med** 1985;(6):16–20 (Eng. Abstr.) (Rus)

SUCTORIA see CILIATA

SUDDEN DEAFNESS see DEAFNESS, SUDDEN

SUDDEN INFANT DEATH

Pediatric resuscitation without an intravenous line. McNamara RM, et al. **Am J Emerg Med** 1986 Jan;4(1):31–3

SIDS might influence sterilisation plans [letter] Lurie S. **Aust Fam Physician** 1985 Oct;14(10):1001

Small upper airway in near-miss sudden infant death syndrome infants and their families. Guilleminault C, et al. **Lancet** 1986 Feb 22;1(8478):402–7

Is shock the mode of death in SIDS? Kariks J. **Med Hypotheses** 1985 Dec;18(4):331–49

Grief reactions of parental couples: congenital handicap and cot death. Nicholas AM, et al. **Med J Aust** 1986 Mar 17; 144(6):292–5, 298

Death-scene investigation in sudden infant death. Bass M, et al. **N Engl J Med** 1986 Jul 10;315(2):100–5

Cot death and sleep posture [letter] Crowley J. **NZ Med J** 1986 Feb 12;99(795):71

Selenium levels in heart muscle and cot death [letter] FitzHerbert JC. **NZ Med J** 1986 Jun 11;99(803):426

Diaphragm in cot death [letter] Logan JW. **NZ Med J** 1986 Feb 12;99(795):71–2

Cot death organisation [letter] Tonkin SL. **NZ Med J** 1986 Jun 11;99(803):426

Sibling grief in reaction to sudden infant death syndrome. Burns EA, et al. **Pediatrics** 1986 Sep;78(3):485–7

[Sudden infant death in relation to interferon formation] Vaněček K, et al. **Cesk Pediatr** 1986 Jun;41(6):328–9 (Eng. Abstr.) (Cze)

[How to manage sudden infant death] Rintahaka P, et al.

Duodecim 1986;102(1):57–61 **(Fin)**
[Study of cardiac rhythm in the siblings of infant victims of unexplained sudden death. Apropos of 130 cases] David N, et al. **Ann Pediatr (Paris)** 1986 Jun;33(6):489–91 (Eng. Abstr.) **(Fre)**

CEREBROSPINAL FLUID

Cerebrospinal fluid endorphins and the infant apnea syndrome. Orlowski JP. **Pediatrics** 1986 Aug;78(2):233–7

CHEMICALLY INDUCED

A possible relation between oxytocin for induction of labor and sudden infant death syndrome [letter] Eimspieler C, et al. **N Engl J Med** 1985 Dec 26;313(26):1660

CLASSIFICATION

Cot deaths and the Sheffield Score [letter] Alexander JR, et al. **Lancet** 1986 Aug 16;2(8503):399

DIAGNOSIS

Initial laboratory evaluation of infants with 'presumed near-miss' sudden infant death syndrome. Lewis JM, et al. **Am J Dis Child** 1986 May;140(5):484–6
Cot deaths [letter] King AS. **NZ Med J** 1986 Jun 25; 99(804):467
[Sleep apnea in infants and the risk of SIDS] Kurz R, et al. **Monatsschr Kinderheilkd** 1986 Jan;134(1):17–20 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Infant apnea syndromes: Part II. Harrison H Jr. **Alaska Med** 1985 Jul–Sep;27(3):64–6
Ventricular tachydysrhythmias in near-miss sudden infant death syndrome. Buchanan D, et al. **Am Heart J** 1986 Feb; 111(2):398–400
Chronic carbon monoxide poisoning as a major contributing factor in the sudden infant death syndrome [letter] Watkins CG, et al. **Am J Dis Child** 1986 Jul;140(7):619
Thiamine deficiency—a neglected problem of infants and mothers—possible relationships to sudden infant death syndrome. Jeffrey HE, et al. **Aust NZ J Obstet Gynaecol** 1985 Aug;25(3):198–202
Might excessive maternal alcohol ingestion during pregnancy be a risk factor associated with an increased likelihood of SIDS? [letter] DiNicola AF. **Clin Pediatr (Phila)** 1985 Nov; 24(11):659
Are cot deaths linked with the tides? [letter] Buckle P, et al. **Early Hum Dev** 1986 Jul;14(1):67–8
What else do SIDS risk prediction scores predict? Golding J, et al. **Early Hum Dev** 1985 Dec;12(3):247–60
Renal glomerular size in infants with congenital heart disease and in cases of sudden infant death syndrome. Variend S, et al. **Eur J Pediatr** 1986 Apr;145(1–2):90–3
Isolated myocarditis as a cause of sudden death in the first year of life. deSa DJ. **Forensic Sci Int** 1986 Feb–Mar; 30(2–3):113–7
Perinatal epidemiological characteristics of the sudden infant death syndrome in an Irish population. Matthews TG, et al. **Ir Med J** 1985 Sep;78(9):251–3
Crib death [letter] Guntheroth WG. **J Am Coll Cardiol** 1986 Jun;7(6):1424–5
Sudden infant death and cytomegalovirus inclusion disease. Variend S, et al. **J Clin Pathol** 1986 Apr;39(4):383–6
Pneumograms in infants who subsequently died of sudden infant death syndrome. Kelly DH, et al. **J Pediatr** 1986 Aug;109(2):245–54
Recognition of medium-chain acyl-CoA dehydrogenase deficiency in asymptomatic siblings of children dying of sudden infant death or Reye-like syndromes. Roe CR, et al. **J Pediatr** 1986 Jan;108(1):13–8
Possible role of saliva in the sudden infant-death syndrome [letter] Campbell K. **Lancet** 1971 Dec 11;2(7737):1314–5
Sudden febrile infant death [letter] Parks Y, et al. **Lancet** 1986 Mar 29;1(8483):744–5
The lethal "cot-death syndrome" fallacy.Tyler JW. **Med Hypotheses** 1986 Jul;20(3):255–60
Sudden infant death syndrome: old causes rediscovered? [editorial] Thach BT. **N Engl J Med** 1986 Jul 10; 315(2):126–8
Smoking during pregnancy and post-neonatal death. VandenBerg M. **NZ Med J** 1985 Dec 25;98(793):1075–8
Analysis of the heart rate and breathing patterns of infants destined to suffer sudden infant death syndrome: probability density function analysis. Stevens V, et al. **Pediatr Res** 1985 Dec;19(12):1327–32
Apnea monitoring—it doesn't discriminate [letter] Dransfield D. **Pediatrics** 1986 Jan;77(1):133–4
Sudden infant death syndrome in a twin: a comparison of sibling histories. Kahn A, et al. **Pediatrics** 1986 Jul; 78(1):146–50
Identification of a high-risk group for sudden infant death syndrome among infants who were resuscitated for sleep apnea. Oren J, et al. **Pediatrics** 1986 Apr;77(4):495–9
Prediction of sudden infant death syndrome: an independent evaluation of four scoring methods. Peters TJ, et al. **Stat Med** 1986 Mar–Apr;5(2):113–26
[Pathogenetic and practical aspects of sudden infant death (SIDS)] Kurz R, et al. **Kinderarztl Prax** 1986 May; 54(5):235–42 (Eng. Abstr.) **(Ger)**
[Sudden, unexpected infant death (SIDS)] Schulte FJ. **Monatsschr Kinderheilkd** 1986 Jan;134(1):2–4 **(Ger)**
[Methodology and results of postmortem nose and throat examinations in cases of infant death, particularly sudden infant death] Althoff H. **Pathologe** 1986 Jul;7(4):207–12 **(Ger)**
[Generalized BCG infection associated with the sudden death of a 7-week-old infant] Molz G, et al. **Pathologe** 1986 Jul; 7(4):216–21 **(Ger)**
[Sudden infant death—results of a Berlin study] Schneider V. **Schriftenr Ver Wasser Boden Lufthyg** 1985;65:527–35 **(Ger)**
[Passive fear—a possible cause of sudden infant death?] Gabrielsen GW. **Tidsskr Nor Laegeforen** 1986 Apr 30; 106(11):898–902 (0 ref.) (Eng. Abstr.) **(Nor)**
[Sudden infant death. Cardiac death elicited by the fear paralysis reflex?] Kaada B. **Tidsskr Nor Laegeforen** 1986 Apr 30;106(11):894–8 (0 ref.) (Eng. Abstr.) **(Nor)**
[Causes of sudden death in children with acute respiratory viral infections] Anisimova IuN, et al. **Sud Med Ekspert** 1986 Apr–Jun;29(2):39–41 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Malignant hyperthermia diathesis and sudden infant death syndrome [letter] Peterson DR, et al. **Anesth Analg** 1986 Feb;65(2):209
Infant mortality among subsequent siblings of infants who died of sudden infant death syndrome. Peterson DR, et al. **J Pediatr** 1986 Jun;108(6):911–4
Respiratory pauses and periodic breathing assessed by cardio-pneumography in normal infants and in SIDS siblings. Flores-Guevara R, et al. **Neuropediatrics** 1986 May;17(2):59–62

IMMUNOLOGY

The value of serum IgE assay in milk aspiration and the sudden infant death syndrome. Boulloche J, et al. **Acta Paediatr Scand** 1986 Jul;75(4):530–3

METABOLISM

An hepatic metabolic profile in sudden infant death (SIDS). Vawter GF, et al. **Forensic Sci Int** 1986 Feb–Mar; 30(2–3):93–8

MICROBIOLOGY

[Results of bacteriologic studies on sudden unexpected infant death with special reference to infant botulism] Heinzel G, et al. **Beitr Gerichtl Med** 1985;43:378–80 (Eng. Abstr.) **(Ger)**

MORTALITY

[Sudden infant death syndrome in Hamburg. An epidemiologic analysis of 62 cases] Veelken N. **Monatsschr Kinderheilkd** 1986 Jan;134(1):10–3 (Eng. Abstr.) **(Ger)**
[Sequelae of vaccination following preventive pertussis vaccination in West Germany (1970 to 1978)] Ehrengut W. **Off Gesundheitswes** 1986 Mar;48(3):123–6 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Sudden infant death syndrome and post perinatal mortality in Norwegian birth cohorts 1967–1980. Irgens LM, et al. **Acta Paediatr Scand** 1986 Jul;75(4):523–9
Early neonatal sudden infant death and near death of fullterm infants in maternity wards. Polberger S, et al. **Acta Paediatr Scand** 1985 Nov;74(6):861–6
Re: "The descriptive epidemiology of sudden infant deaths among natives and whites in Alaska" [letter] Berner JE, et al. **Am J Epidemiol** 1986 Sep;124(3):492–3
Increased risk of sudden infant death syndrome in older infants at weekends. Murphy MF, et al. **Br Med J [Clin Res]** 1986 Aug 9;293(6543):364–5
Sudden death in infants, children, and adolescents. Vetter VL. **Cardiovasc Clin** 1985;15(3):301–13 (125 ref.)
The epidemiology of sudden infant death syndrome in Finland in 1969–1980. Rintahaka PJ, et al. **Forensic Sci Int** 1986 Feb–Mar;30(2–3):219–33
Sudden infant death in five consecutive siblings. Diamond EF. **IMJ** 1986 Jul;170(1):33–4
A statistical analysis of the seasonality in sudden infant death syndrome. Helweg-Larsen K, et al. **Int J Epidemiol** 1985 Dec;14(4):566–74
Effects of birth weight and ethnicity on incidence of sudden infant death syndrome. Black L, et al. **J Pediatr** 1986 Feb; 108(2):209–14
Sudden infant death syndrome—update. Marshall TA. **J SC Med Assoc** 1985 Nov;81(11):605–8
Leads from the MMWR. Premature mortality due to sudden infant death syndrome. **JAMA** 1986 Apr 18;255(15):1992–3
Cot deaths in Hong Kong [letter] **Lancet** 1986 Jan 25; 1(8474):214
Cot death in Hong Kong [letter] **Lancet** 1986 Mar 1; 1(8479):498
Cot death in Hong Kong [letter] Davies DP. **Lancet** 1986 May 10;1(8489):1088
Cot death in Hong Kong: a rare problem? Davies DP. **Lancet** 1985 Dec 14;2(8468):1346–9
Families in which two or more cot deaths have occurred. Emery JL. **Lancet** 1986 Feb 8;(8476):313–5
Cot deaths in Australia, 1985. Emery JL. **Med J Aust** 1986 Apr 28;144(9):469–73
Premature mortality due to sudden infant death syndrome. **MMWR** 1986 Mar 21;35(11):169–70
More on oxytocin for induction of labor and sudden infant death syndrome (SIDS) [letter] **N Engl J Med** 1986 Jul 17;315(3):192–3
Sudden infant death syndrome—a serious New Zealand health problem. Hassall IB. **NZ Med J** 1986 Apr 9; 99(799):233–4
Sudden infant death rate Dunedin 1924–1983 [letter] Kibblewhite KE. **NZ Med J** 1986 Feb 12;99(795):70–1
Epidemiology of cot deaths in Auckland. Tonkin SL. **NZ Med J** 1986 May 14;99(801):324–6
Simultaneous sudden infant death syndrome in twins. Smialek JE. **Pediatrics** 1986 Jun;77(6):816–21
[Sudden unexpected infant death in Denmark. An analysis of the registered increase of occurrence and regional variations of occurrence] Helweg-Larsen K, et al. **Ugeskr Laeger** 1985 Sep 30;147(40):3185–90 (Eng. Abstr.) **(Dan)**
[Body movements during sleep in the infant: comparison between control infants and siblings of infants dying of sudden infant death syndrome] Vecchierini-Blineau MF, et al. **Rev Electroencephalogr Neurophysiol Clin** 1986 Mar; 16(1):21–7 (Eng. Abstr.) **(Fre)**
[Sudden infant death. Epidemiological factors in unexplained, partially or insufficiently explained causes of death] Molz G, et al. **Helv Paediatr Acta** 1984 Dec;39(5–6):395–404 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Sudden death in infancy associated with origin of both left main and right coronary arteries from a common ostium above the left sinus of Valsalva. Barth CW 3d, et al. **Am J Cardiol** 1986 Feb 1;57(4):365–6
Developmental abnormalities of medullary "respiratory centers" in sudden infant death syndrome. Takashima S, et al. **Exp Neurol** 1985 Dec;90(3):580–7
Neck extension as a cause of SIDS. Saternus KS, et al. **Forensic Sci Int** 1986 Jul 14;31(3):167–74
Sudden infant death syndrome. Morphology update for forensic pathologists—1985. Valdes-Dapena M. **Forensic Sci Int** 1986 Feb–Mar;30(2–3):177–86
Sudden infant death with periventricular leukomalacia. Allen TB. **J Forensic Sci** 1985 Oct;30(4):1260–2
Precapillary bypass and sudden infant death [letter] Jäykkä S. **Lancet** 1971 Dec 11;2(7737):1315
A rare cause cot death—infantile xanthomatous cardiomyopathy. Cunningham NE, et al. **Med Sci Law** 1985 Apr;25(2):149–52
[Anatomo-pathologic study of the temporal bone in our 4 cases of sudden infant death] Josset P, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(6):425–32 (Eng. Abstr.) **(Fre)**
[Comparative histologic and hormonal studies of the thyroid gland with special reference to sudden infant death (SIDS)] Risse M, et al. **Z Rechtsmed** 1986;96(1):31–8 (Eng. Abstr.) **(Ger)**
[Interferon and sudden infant death (SIDS)] Vaněček K, et al. **Zentralbl Allg Pathol** 1985;130(6):473–6 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Hypercapnea and hypoxia challenge tests in infants at risk for sudden infant death syndrome. Lindenberg JA, et al. **Am J Dis Child** 1986 May;140(5):466–70
Laryngospasm and sudden unexpected death syndrome. Gomes H, et al. **Ann Radiol (Paris)** 1986;29(3–4):313–20 **(Eng, Fre)**
QT interval measurements before sudden infant death syndrome. Southall DP, et al. **Arch Dis Child** 1986 Apr; 61(4):327–33
Pressure volume characteristics of the lungs in sudden infant death syndrome [letter] Southall DP, et al. **Arch Dis Child** 1985 Nov;60(11):1104–5
Polysomnograms and cardiopneumograms in SIDS research. Flores-Guevara R, et al. **Biol Neonate** 1986;49(5):270–6
Apnea during sleep in the pediatric patient. Ariagno RL, et al. **Clin Chest Med** 1985 Dec;6(4):679–90
Auditory arousal thresholds of normal and near-miss SIDS infants. Kahn A, et al. **Dev Med Child Neurol** 1986 Jun; 28(3):299–302
Effect of sleep position on transcutaneous oxygen tension in SIDS siblings. Peirano P, et al. **Early Hum Dev** 1986 Jun;13(3):303–12
The sudden infant death syndrome and cardio-respiratory control in Irish infants. Matthews TG, et al. **Ir Med J** 1985 Dec;78(12):347–9
Motility and arousal in near miss sudden infant death syndrome. Coons S, et al. **J Pediatr** 1985 Nov;107(5):728–32
Infant apnea. Spitzer AR, et al. **Pediatr Clin North Am** 1986 Jun;33(3):561–81
Analysis of heart rate and respiratory patterns in sudden infant death syndrome victims and control infants. Gordon D, et al. **Pediatr Res** 1986 Jul;20(7):680–4
[Studies of brain stem function in infants with apnea syndrome using acoustically evoked brain stem potentials and heart rate variability] Litscher G, et al. **EEG EMG** 1986 Jun;17(2):62–5 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Infant apnea syndromes. Part III. Harrison H Jr, et al. **Alaska Med** 1986 Apr–Jun;28(2):25–32

Apnoea monitors compared with weighing scales for siblings after cot death. Emery JL, et al. **Arch Dis Child** 1985 Nov; 60(11):1055–60

Oximetry [letter] Josten KU. **Br J Anaesth** 1986 Feb; 58(2):248–9

Infantile status epilepticus as a complication of 'near–miss' sudden infant death [letter] Deonna T, et al. **Dev Med Child Neurol** 1986 Feb;28(1):120–1

The home apnea monitoring program for newborns: the first 300 patients. Light MJ, et al. **Hawaii Med J** 1985 Nov; 44(11):419–20, 423–4

Breathing frequency monitors. Gluck MS, et al. **J Clin Monit** 1986 Jul;2(3):209–10

Infant respiration monitoring—evaluation of a simple home monitor. Munley AJ, et al. **J Med Eng Technol** 1985 Nov–Dec;9(6):261–5

Commentary: the prevention of sudden infant death syndrome: is there a role for home monitoring? Southall DP. **J Med Eng Technol** 1985 Nov–Dec;9(6):259–60

Psychological effects on parents of home and hospital apnea monitoring. Lyman RD, et al. **J Pediatr Psychol** 1985 Dec; 10(4):439–48

Can increased surveillance prevent sudden infant deaths? [letter] Bain AD, et al. **Lancet** 1986 Apr 12;1(8485):856–7

Sheffield cot deaths project [letter] Beaven JH. **Lancet** 1986 Mar 22;1(8482):682

Sheffield cot death project [letter] Carpenter RG, et al. **Lancet** 1986 Jun 7;1(8493):1331

Tracheal sound detector. Heemels JP, et al. **Med Biol Eng Comput** 1986 Mar;24(2):182–5

Cot death [letter] **NZ Med J** 1986 Jul 9;99(805):510–1

MR10 respiration monitor babies [letter] Greig S. **NZ Med J** 1986 Jul 9;99(805):513

Near miss sudden infant death syndrome episodes? A clinical and electrocardiographic correlation. Krongrad E, et al. **Pediatrics** 1986 Jun;77(6):811–5

Influence of xanthines on gastroesophageal reflux in infants at risk for sudden infant death syndrome. Vandenplas Y, et al. **Pediatrics** 1986 Jun;77(6):807–10

Sudden infant death syndrome in infants evaluated by apnea programs in California. Ward SL, et al. **Pediatrics** 1986 Apr;77(4):451–8

[Home monitoring of apnea in children at increased risk for sudden infant death (SIDS)] Bentele KH, et al. **Monatsschr Kinderheilkd** 1986 Jan;134(1):5–9 (Eng. Abstr.) (Ger)

[Parents' experiences with apnea mattresses] Dyregrov A, et al. **Tidsskr Nor Laegeforen** 1986 Apr 30;106(11):903–7 (Eng. Abstr.) (Nor)

SUDECK'S ATROPHY

DIAGNOSIS

[Idiopathic transitory osteoporosis of the hip, a reflex dystrophy of the lower extremity. Case report] Naumann T. **Z Orthop** 1986 Mar–Apr;124(2):196–200 (Eng. Abstr.) (Ger)

DRUG THERAPY

[Therapy of algodystrophy (Sudeck disease) with naftidrofuryl hydrogen oxalate (NH)] Mayer M, et al. **Unfallchirurg** 1986 Mar;89(3):117–20 (Eng. Abstr.) (Ger)

[Salmon synthetic calcitonin in the treatment of Sudeck's osteodystrophy] Olmi R, et al. **Clin Ter** 1985 Sep 15; 114(5):411–5 (Eng. Abstr.) (Ita)

RADIOGRAPHY

[Computerized tomography in Sudeck's syndrome] Nutz V, et al. **Unfallchirurg** 1986 Feb;89(2):68–73 (Eng. Abstr.) (Ger)

SUDOXICAM see under **THIAZINES**

SUFFOCATION see **ASPHYXIA**

SUGAR ACIDS

Synthesis of alternate linear and branched repeating units of the Escherichia coli LP 1092 capsular polysaccharide containing 3–deoxy–alpha–D–manno–2–octulosonic acid (KDO) linked to secondary positions of D–ribose. Kosma P, et al. **Carbohydr Res** 1985 Sep 1;141(2):239–53

ANALYSIS

Spectrophotometric determination of bismuth in pharmaceutical preparations using mucic acid. Gónzalez–Portal A, et al. **Analyst** 1986 May;111(5):547–9

Structure of the K95 antigen from Escherichia coli O75:K95:H5, a capsular polysaccharide containing furanosidic KDO–residues. Dengler T, et al. **Carbohydr Res** 1985 Oct 15;142(2):269–76

Determination of 3–deoxy–D–manno–octulosonic acid (KDO), N–acetylneuraminic acid, and their derivatives by ion–exchange liquid chromatography. Shukla AK, et al. **Carbohydr Res** 1985 Jul 1;140(1):1–8

A naturally occurring deaminated neuraminic acid, 3–deoxy–D–glycero–D–galacto–nonulosonic acid (KDN). Its unique occurrence at the nonreducing ends of oligosialyl chains in polysialoglycoprotein of rainbow trout eggs. Nadano D, et al. **J Biol Chem** 1986 Sep 5;261(25):11550–7

Selective detection of 3–deoxymannooctulosonic acid in intact lipopolysaccharides by spin–echo 13C NMR. Strain SM, et al. **J Biol Chem** 1985 Oct 25;260(24):12974–7

Modifications in the alditol acetate method for analysis of muramic acid and other neutral and amino sugars by capillary gas chromatography–mass spectrometry with selected ion monitoring. Whiton RS, et al. **J Chromatogr** 1985 Oct 25;347(1):109–20

Detection by gas chromatography of 3–deoxy–D–manno–2–octulosonic acid and L–glycero–D–manno–heptose in whole cells of Neisseria elongata. Guerrant GO, et al. **J Clin Microbiol** 1986 Mar; 23(3):425–30

Solubility of calcium gluceptate and the preparation of calcium gluceptate injection USP. Mitchell AG, et al. **J Parenter Sci Technol** 1986 Mar–Apr;40(2):48–51

Chemical properties of thiobarbituric acid–positive substances released from photobacterial lipopolysaccharides during acid hydrolysis. Kuwae T, et al. **Microbiol Immunol** 1985;29(11):1121–9

CHEMICAL SYNTHESIS

Synthesis of methyl pyranosides and furanosides of 3–deoxy–D–manno–oct–2–ulosonic acid (KDO) by acid–catalysed solvolysis of the acetylated derivatives. McNicholas PA, et al. **Carbohydr Res** 1986 Feb 1; 146(2):219–31

Synthesis of biologically active tetraacetyl–3–deoxy–D–manno–2–octulosonic acid(KDO)–(alpha 2——6)–D–glucosamine analogs of lipid A. Nakamoto S, et al. **Chem Pharm Bull (Tokyo)** 1986 May; 34(5):2302–5

Mitogenic activity of chemically synthesized tetraacetyl–2–keto–3–deoxyoctonic acid–(alpha 2——6)–D–glucosamine analogues of lipid A. Shimizu T, et al. **Chem Pharm Bull (Tokyo)** 1986 May;34(5):2310–3

DIAGNOSTIC USE

Gallbladder simulating renal fracture during technetium–99m glucoheptonate evaluation for renal trauma. Alexieva–Jackson B, et al. **Clin Nucl Med** 1986 May; 11(5):363–4

Technetium–99m glucoheptonate as a scanning agent in hepatocellular carcinoma. Esser JD, et al. **Clin Nucl Med** 1985 Aug;10(8):586–8

The value of obtaining renal images following brain scintigraphy with technetium–99m glucoheptonate. Moreno AJ, et al. **Clin Nucl Med** 1986 Aug;11(8):560–3

Comparative evaluation of technetium–99m glucoheptonate and gallium–67 citrate thoracic imaging in detection of mediastinal and hilar involvement in primary lung cancer. Taillefer R, et al. **Clin Nucl Med** 1986 Jan;11(1):15–9

Suprarenal abscess in the neonate. Technetium–99m glucoheptonate imaging. Wells RG, et al. **Clin Nucl Med** 1986 Jan;11(1):32–4

Normal uterine activity on a 99mTc–glucoheptonate renal scan. Krauth PH, et al. **Eur J Nucl Med** 1986;11(9):371–2

The localization of urinary tract infection with 99mTc glucoheptonate scintigraphy. Traisman ES, et al. **Pediatr Radiol** 1986;16(5):403–6

IMMUNOLOGY

Molecular requirement for interleukin 1 induction by lipopolysaccharide–stimulated human monocytes: involvement of the heptosyl–2–keto–3–deoxyoctulosonate region. Lebbar S, et al. **Eur J Immunol** 1986 Jan;16(1):87–91

ISOLATION & PURIFICATION

Identification of 2–keto–3–deoxy–1,7–dicarboxyheptonic acid as a constituent of the lipopolysaccharide of Acinetobacter calcoaceticus NCTC 10305. Brade H, et al. **Eur J Biochem** 1985 Dec 2;153(2):249–54

Separation of ascorbic acid, dehydroascorbic acid, diketogulonic acid and glucose by isocratic elution from a column of a hydrophilic gel. Seki T, et al. **J Chromatogr** 1985 Sep 20;332:283–6

High–performance liquid chromatographic separation of ascorbic acid, erythorbic acid, dehydroascorbic acid, dehydroerythorbic acid, diketogulonic acid, and diketogluconic acid. Doner LW, et al. **Methods Enzymol** 1986;122:3–10

[Chemical properties of O–antigenic lipopolysaccharides isolated from Vibrio parahaemolyticus O2 and O9, in particular, the separation and identification of 2–keto–3–deoxy–5–phosphoryl–octonate found in their strong acid–hydrolysates] Tsai B, et al. **Nippon Saikingaku Zasshi** 1986 Mar;41(2):541–5 (Eng. Abstr.) (Jpn)

METABOLISM

A bacteriophage–associated glycanase cleaving beta–pyranosidic linkages of 3–deoxy–D–manno–2–octulosonic acid (KDO). Altmann F, et al. **Biochem Biophys Res Commun** 1986 Apr 14; 136(1):329–35

Isolation and characterization of eight lipid A precursors from a 3–deoxy–D–manno–octylosonic acid–deficient mutant of Salmonella typhimurium. Raetz CR, et al. **J Biol Chem** 1985 Dec 25;260(30):16080–8

Location of polar substituents and fatty acyl chains on lipid A precursors from a 3–deoxy–D–manno–octulosonic acid–deficient mutant of Salmonella typhimurium. Studies by 1H, 13C, and 31P nuclear magnetic resonance. Strain SM, et al. **J Biol Chem** 1985 Dec 25;260(30):16089–98

Permeability of human brain tumor to 99mTc–gluco–heptonate and 99mTc–albumin. Implications for monoclonal antibody therapy. Neuwelt EA, et al. **J Neurosurg** 1986 Aug;65(2):194–8

Mechanism of renal concentration of technetium–99m glucoheptonate. Lee HB, et al. **J Nucl Med** 1985 Nov; 26(11):1308–13

PHARMACODYNAMICS

Dietary glucarate as anti–promoter of 7,12–dimethylbenz[a]anthracene–induced mammary tumorigenesis. Walaszek Z, et al. **Carcinogenesis** 1986 Sep; 7(9):1463–6

THERAPEUTIC USE

[Comparative evaluation of the therapeutic effect of oxyferriscorbone in peptic ulcer] Spivak AM, et al. **Vrach Delo** 1985 Aug;(8):56–9 (Eng. Abstr.) (Rus)

URINE

D–glucaric acid excretion in critical care patients—comparison with 6 beta–hydroxycortisol excretion and serum gamma–glutamyltranspeptidase activity and relation to multiple drug therapy. Heinemeyer G, et al. **Br J Clin Pharmacol** 1986 Jan;21(1):9–18

The relationship between hepatic microsomal biphenyl 2–hydroxylase, 4–hydroxylase and urinary glucaric acid excretion in the rat. Kinoshita H, et al. **Eur J Drug Metab Pharmacokinet** 1985 Jul–Sep; 10(3):247–51

Mutagenicity studies and D–glucaric acid determination in urine of workers exposed to mineral oils. Pasquini R, et al. **Int Arch Occup Environ Health** 1985;56(4):275–84

A semiautomated procedure for urinary D–glucaric acid using a centrifugal analyzer. MacNeil ML, et al. **J Anal Toxicol** 1986 Jan–Feb;10(1):15–7

A comparison of two methods for quantifying D–glucaric acid. Steinberg KK, et al. **J Anal Toxicol** 1986 Jul–Aug; 10(4):139–41

Assessment of 2,3,7,8–tetrachlorodibenzo–p–dioxin exposure using a modified D–glucaric acid assay. Steinberg KK, et al. **J Toxicol Environ Health** 1985;16(6):743–52

SUGAR ALCOHOL DEHYDROGENASES

Methods for enzymatic and colorimetric determinations of D–erythrulose (D–tetrulose). Morii K, et al. **Anal Biochem** 1985 Nov 15;151(1):188–91

ANTAGONISTS & INHIBITORS

New therapies for the chronic complications of older diabetic patients. Clements RS Jr. **Am J Med** 1986 May 16; 80(5A):54–60 (16 ref.)

Recent advances in the therapy of diabetic peripheral neuropathy by means of an aldose reductase inhibitor. Greene DA, et al. **Am J Med** 1985 Nov 15;79(5A):13–7

Effects of sorbinil therapy in diabetic patients with painful peripheral neuropathy and autonomic neuropathy. Jaspan JB, et al. **Am J Med** 1985 Nov 15;79(5A):24–37

Effects of glycemic control and aldose reductase inhibition on nerve conduction velocity. Pfeifer MA. **Am J Med** 1985 Nov 15;79(5A):18–23

Inhibition of hexonate dehydrogenase and aldose reductase from bovine retina by sorbinil, statil, M79175 and valproate. Poulsom R. **Biochem Pharmacol** 1986 Sep 1;35(17):2955–9

Effects of an aldose reductase inhibitor, 1–[(p–bromophenyl)–sulfonyl]hydantoin, on cataract formation and tissue polyol levels in galactosemic rats. Okuda J, et al. **Chem Pharm Bull (Tokyo)** 1985 Jul; 33(7):2990–5

Prevention of basement membrane thickening in retinal capillaries by a novel inhibitor of aldose reductase, tolrestat. Robison WG Jr, et al. **Diabetes** 1986 Mar;35(3):295–9

Slow component–a of axonal transport, nerve myo–inositol, and aldose reductase inhibition in streptozocin–diabetic rats. Tomlinson DR, et al. **Diabetes** 1986 Apr;35(4):398–402

The effects of sorbinil on peripheral nerve conduction velocity, polyol concentrations and morphology in the streptozotocin–diabetic rat. Cameron NE, et al. **Diabetologia** 1986 Mar;29(3):168–74

The effects of glucose and an aldose reductase inhibitor on the sorbitol content and collagen synthesis of bovine retinal capillary pericytes in culture. Li W, et al. **Exp Eye Res** 1985 Mar;40(3):439–44

Inactivation of glycerol dehydrogenase of Klebsiella pneumoniae and the role of divalent cations. Johnson EA, et al. **J Bacteriol** 1985 Oct;164(1):479–83

High–performance liquid chromatographic analysis of glucose, fructose, sorbitol and low levels of the aldose reductase inhibitor sorbinil in human lens and plasma. Lloyd P, et al. **J Chromatogr** 1985 Oct 11;343(2):402–6

Synthesis and rat lens aldose reductase inhibitory activity

of some benzopyran-2-ones. Brubaker AN, et al. **J Med Chem** 1986 Jun;29(6):1094-9

Design and synthesis of 2-(arylamino)-4(3H)-quinazolinones as novel inhibitors of rat lens aldose reductase. DeRuiter J, et al. **J Med Chem** 1986 May;29(5):627-9

Synthesis, absolute configuration, and conformation of the aldose reductase inhibitor sorbinil. Sarges R, et al. **J Med Chem** 1985 Nov;28(11):1716-20

The effects of sorbinil on the pathophysiology of diabetic complications. Proceedings of a symposium. Dorado, Puerto Rico, May 30-June 2, 1985. **Metabolism** 1986 Apr; 35(4 Suppl 1):1-121

Aldose reductase inhibition and the diabetic syndrome of limited joint mobility: implications for altered collagen hydration. Eaton RP. **Metabolism** 1986 Apr;35(4 Suppl 1):119-21

Clinical studies with an aldose reductase inhibitor in the autonomic and somatic neuropathies of diabetes. Jaspan JB, et al. **Metabolism** 1986 Apr;35(4 Suppl 1):83-92

The aldose reductase inhibitor site. Kador PF, et al. **Metabolism** 1986 Apr;35(4 Suppl 1):109-13

The effect of aldose reductase and its inhibition on sugar cataract formation. Kador PF, et al. **Metabolism** 1986 Apr; 35(4 Suppl 1):15-9

Clinical experience with sorbinil--an aldose reductase inhibitor. Pitts NE, et al. **Metabolism** 1986 Apr;35(4 Suppl 1):96-100

Sorbinil: a member of the novel class of spirohydantoin aldose reductase inhibitors. Sarges R, et al. **Metabolism** 1986 Apr; 35(4 Suppl 1):101-4

The effects of a new aldose reductase inhibitor (tolrestat) in galactosemic and diabetic rats. Simard-Duquesne N, et al. **Metabolism** 1985 Oct;34(10):885-92

Effects of the aldose reductase inhibitor sorbinil on the isolated cultured rat lens. Yeh LA, et al. **Metabolism** 1986 Apr;35(4 Suppl 1):4-9

Synergism of sorbinil and normal diet on reversal of stage-II sugar cataract. Beyer-Mears A, et al. **Pharmacology** 1985; 31(3):170-9

Diminished proteinuria in diabetes mellitus by sorbinil, an aldose reductase inhibitor. Beyer-Mears A, et al. **Pharmacology** 1986;32(1):52-60

Inhibition of lens aldose reductase by Labiatae flavonoids. Tomás-Barberán FA, et al. **Planta Med** 1986 Jun;(3):239-40

Prevention of neural myoinositol depletion in diabetic rats by aldose reductase inhibition with tolrestat. Kemper C, et al. **Proc Soc Exp Biol Med** 1986 Sep;182(4):505-10

Inhibition of aldose reductase by flavonoids: possible attenuation of diabetic complications. Varma SD. **Prog Clin Biol Res** 1986;213:343-58

Study of aldose reductase inhibition in intact lenses by 13C nuclear magnetic resonance spectroscopy. Williams WF, et al. **Science** 1986 Jul 11;233(4760):223-5

Medical therapy in the prevention of cataract. Brown NA, et al. **Trans Ophthalmol Soc UK** 1985;104 (Pt 7):748-54 (45 ref.)

[Aldose reductase inhibitory activity of extracts of the leaves of Poupartia birrea (Hochst) Aubr.] Laurens A, et al. **Ann Pharm Fr** 1985;43(1):23-6 (Eng. Abstr.) **(Fre)**

[Prevention and reversal of rat galactosemic cataract with aldose reductase inhibitor--immunohistochemical study] Akagi Y, et al. **Nippon Ganka Gakkai Zasshi** 1985 Nov; 89(11):1276-81 (Eng. Abstr.) **(Jpn)**

[Effect of aldose reductase inhibitor (M79175) on the oscillatory potential in ERG of streptozotocin-fructose induced diabetic rats] Funada M, et al. **Nippon Ganka Gakkai Zasshi** 1985 Oct;89(10):1111-9 (Eng. Abstr.) **(Jpn)**

[The role of aldose reductase in diabetic corneal epitheliopathy. Second report: The corneal epithelium of galactosemic rats] Takahashi Y, et al. **Nippon Ganka Gakkai Zasshi** 1986 Feb;90(2):336-40 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Glyceraldehyde-3-phosphate dehydrogenase mRNA. Activity and amount in dystrophic hamster muscle. Nicholls DM, et al. **J Neurol Sci** 1986 Mar;73(1):97-110

BLOOD

Hyperglycemia-induced activation of human erythrocyte aldose reductase and alterations in kinetic properties. Srivastava SK, et al. **Biochim Biophys Acta** 1986 Mar 28; 870(2):302-11

Reduced levels of erythrocyte sorbitol dehydrogenase activity in human diabetics. Barretto OC, et al. **Braz J Med Biol Res** 1985;18(4):477-9

Erythrocyte sorbitol dehydrogenase of selected non-mammalian vertebrates. Barretto OC, et al. **Comp Biochem Physiol [B]** 1985;82(2):317-9

Concentration-related changes in blood and tissue parameters of hepatotoxicity and their interdependence in rats exposed to bromobenzene and 1,2-dichlorobenzene. Brondeau MT, et al. **Toxicol Lett** 1986 May;31(2):159-66

GENETICS

Human L-xylulose reductase variation: family and population studies. Lane AB, et al. **Ann Hum Genet** 1985 Jul;49 (Pt 3):227-35

Ribitol dehydrogenase of Klebsiella aerogenes. Sequence of the structural gene. Loviny T, et al. **Biochem J** 1985 Sep 15;230(3):579-85

Ontogenetic patterns of enzyme locus expression in Barbus hybrids (Cypriniformes, Teleostei). Frankel JS. **Comp Biochem Physiol [B]** 1985;82(3):413-7

Isolation of Erwinia chrysanthemi kduD mutants altered in pectin degradation. Condemine G, et al. **J Bacteriol** 1986 Mar;165(3):937-41

IMMUNOLOGY

Phylogenetic conservation of epitopes in mammalian aldose reductase: application to immunoquantitation. Mathur EJ, et al. **Arch Biochem Biophys** 1986 Jun;247(2):321-7

Intravascularly administered crosslinked immunoprecipitates of gulonolactone oxidase are toxic and rapidly cleared from the circulation. Sato P, et al. **Biotechnol Appl Biochem** 1986 Apr-Jun;8(2-3):182-9

ISOLATION & PURIFICATION

Chicken muscle aldose reductase: purification, properties and relationship to other chicken aldo/keto reductases. Murphy DG, et al. **Int J Biochem** 1986;18(3):215-21

METABOLISM

Role of aldose reductase in the development of diabetes-associated complications. Kador PF, et al. **Am J Med** 1985 Nov 15;79(5A):8-12

Subcellular distribution and properties of acyl/alkyl dihydroxyacetone phosphate reductase in rodent livers. Ghosh MK, et al. **Arch Biochem Biophys** 1986 Mar; 245(2):523-30

Characterization of the reduction of 3-acetylpyridine adenine dinucleotide phosphate by benzyl alcohol catalyzed by aldose reductase. Griffin BW, et al. **Arch Biochem Biophys** 1986 Apr;246(1):75-81

Ribitol dehydrogenase of Klebsiella aerogenes. Sequence and properties of wild-type and mutant strains. Dothie JM, et al. **Biochem J** 1985 Sep 15;230(3):569-78

Molecular aspects of functional differences between alcohol and sorbitol dehydrogenases. Eklund H, et al. **Biochemistry** 1985 Dec 31;24(27):8005-12

A new bacterial dehydrogenase oxidizing the lignin model compound guaiacylglycerol beta-O-4-guaiacyl ether. Pelmont J, et al. **Biochimie** 1985 Sep;67(9):973-86

Conference report. The polyol pathway and complications of diabetes. Ward JD. **Br J Clin Pract** 1986 Mar; 40(3):118-22

Direct measurement of the rate of ring opening of D-glucose by enzyme-catalyzed reduction. Grimshaw CE. **Carbohydr Res** 1986 May 1;148(2):345-8

Activation of aldose reductase from human tissues. Das B, et al. **Diabetes** 1985 Nov;34(11):1145-51

Properties of myo-inositol-1-phosphate dehydrogenase as revealed by its fluorescence. Ghosh B, et al. **Indian J Biochem Biophys** 1985 Oct;22(5):286-8

Age-related changes in sorbitol dehydrogenase activity of rat brain, liver, kidney and eye. Cao Danh H, et al. **J Pharm Pharmacol** 1985 Dec;37(12):910-2

The effect of high glucose and oxidative stress on lens metabolism, aldose reductase, and senile cataractogenesis. Cheng HM, et al. **Metabolism** 1986 Apr;35(4 Suppl 1):10-4

Aldose and aldehyde reductase in animal tissues. Flynn TG. **Metabolism** 1986 Apr;35(4 Suppl 1):105-8

Aldose reductase activity and basement membrane thickening. Frank RN. **Metabolism** 1986 Apr;35(4 Suppl 1):35-40

Activation of human erythrocyte, brain, aorta, muscle, and ocular tissue aldose reductase. Srivastava SK, et al. **Metabolism** 1986 Apr;35(4 Suppl 1):114-8

Activated and unactivated forms of human erythrocyte aldose reductase. Srivastava SK, et al. **Proc Natl Acad Sci USA** 1985 Nov;82(21):7222-6

[Normalization of sorbitol dehydrogenase activity--an important factor in the treatment of neuropathies and angiopathies in patients with diabetes mellitus] Efimov AS, et al. **Vrach Delo** 1986 Jun;(6):62-4 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Introduction: evidence for the role of the polyol pathway in the pathophysiology of diabetic complications. Beyer TA, et al. **Metabolism** 1986 Apr;35(4 Suppl 1):1-3

Studies of aldose reductase using neuronal cell culture and ligated rat sciatic nerve. Chandler CE, et al. **Metabolism** 1986 Apr;35(4 Suppl 1):71-7

Aldose reductase, glomerular metabolism, and diabetic nephropathy. Cohen MP. **Metabolism** 1986 Apr;35(4 Suppl 1):55-9

SUGAR ALCOHOL OXIDOREDUCTASES see **SUGAR ALCOHOL DEHYDROGENASES**

SUGAR ALCOHOLS

Sugar alcohols and dental health. Linke HA. **World Rev Nutr Diet** 1986;47:134-62 (85 ref.)

ADVERSE EFFECTS

The long-term effect of dietary administration of refined sugars and sugar alcohols on plasma biochemistry, urine biochemistry and tissue histology in mice given a limited degree of dietary self-selection. Potezny N, et al. **Food Chem Toxicol** 1986 May;24(5):389-96

The effect of dietary refined sugars and sugar alcohols on renal calcium oxalate deposition in ethylene glycol-treated rats. Rofe AM, et al. **Food Chem Toxicol** 1986 May; 24(5):397-403

ANALYSIS

Identification of N-acetylhexosamines produced by enzymes of the N-acetylneuraminic acid metabolic pathway by borate complex anion-exchange chromatography of the corresponding N-acetylhexosaminitols. Scocca JR. **Anal Biochem** 1986 Jul;156(1):61-6

Comparative study of glycophorin A derived O-glycans from human Cad, Sd(a+) and Sd(a-) erythrocytes. Blanchard D, et al. **Biochem J** 1985 Dec 15;232(3):813-8

Characterization of 6-deoxy-D-altritol in the cell-wall polysaccharide of Nocardia asteroides R 399. Voiland A, et al. **Carbohydr Res** 1985 Sep 1;141(2):283-8

Primary structure of a major sialyl-saccharide alditol from human amniotic mucins expressing the tumor-associated sialyl-X antigenic determinant. Hanisch FG, et al. **FEBS Lett** 1986 May 5;200(1):42-6

Characterization of the oligosaccharide alditols from ovarian cyst mucin glycoproteins of blood group A using high pressure liquid chromatography (HPLC) and high field 1H NMR spectroscopy. Dua VK, et al. **J Biol Chem** 1986 Feb 5;261(4):1599-608

BLOOD

Estimations of serum arabinitol for diagnosing invasive candidosis. Deacon AG. **J Clin Pathol** 1986 Aug; 39(8):842-50

Value of serum arabinitol for the management of Candida infections in clinical practice. Holak EJ, et al. **Mycopathologia** 1986 Feb;93(2):99-104

[Influence of glucose on the conversion of galactose into galactitol in the young adult] Birlouez I, et al. **Ann Nutr Metab** 1986;30(3):149-65 (Eng. Abstr.) **(Fre)**

CHEMICAL SYNTHESIS

Synthesis of three 3-C-hydroxymethylpentoses with the D-ribo-, D-xylo- and L-lyxo-configurations. Identification of the latter with a monosaccharide isolated from phase I Coxiella burnetii lipopolysaccharide. Dahlman O, et al. **Acta Chem Scand [B]** 1986;40(1):15-20

Determination of polysaccharide linkage and branching by reductive depolymerization. Gas-liquid chromatography and gas-liquid chromatography-mass spectrometry reference data. Van Langenhove A, et al. **Carbohydr Res** 1985 Nov 1;143:1-20

METABOLISM

Interaction of GGCC sequences of DNA with anticancer dianhydrogalactitol, detected by inhibition of restriction enzyme BspI. Financsek I, et al. **Acta Biochim Biophys Acad Sci Hung** 1984;19(3-4):177-84

Role of aldose reductase in the development of diabetes-associated complications. Kador PF, et al. **Am J Med** 1985 Nov 15;79(5A):8-12

Conference report. The polyol pathway and complications of diabetes. Ward JD. **Br J Clin Pract** 1986 Mar; 40(3):118-22

Dose dependence of breath hydrogen and methane in healthy volunteers after ingestion of a commercial disaccharide mixture, Palatinit. Fritz M, et al. **Br J Nutr** 1985 Sep; 54(2):389-400

Pharmacokinetic study in a phase I trial with an alkylating agent, diacetyldianhydrogalactitol (DADAG). Erdélyi-Tóth V, et al. **Cancer Chemother Pharmacol** 1986; 16(3):257-63

Mechanism of the phosphorylase reaction. Utilization of D-gluco-hept-1-enitol in the absence of primer. Klein HW, et al. **Eur J Biochem** 1986 May 15;157(1):107-14

Pharmacokinetics and metabolism of dianhydrogalactitol DAG in patients: a comparison with the human disposition of dibromodulcitol DBD. Horváth IP, et al. **Eur J Cancer Clin Oncol** 1986 Feb;22(2):163-71

Construction of an improved D-arabinose pathway in Escherichia coli K-12. Bartkus JM, et al. **J Bacteriol** 1986 Mar;165(3):704-9

Polyhydric alcohol transport by bacteria. Lengeler JW. **Methods Enzymol** 1986;125:473-85

[Role of the polyol pathway in the occurrence of degenerative complications of diabetes] Bosquet F, et al. **Presse Med** 1986 May 10;15(19):879-83 (30 ref.) (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Interaction of immunosuppressive agents and human adenovirus infection in mice. Dam Viet Cuong, et al. **Acta Microbiol Hung** 1986;33(1):33-8

Biochemical changes of intestinal epithelial cells induced by cytostatic agents in rats. Kralovánszky J, et al. **Arch Toxicol [Suppl]** 1985;8:94-103

Maltotriitol inhibition of maltose metabolism in Streptococcus mutans via maltose transport, amylomaltase and phospho-alpha-glucosidase activities. Würsch P, et al. **Caries Res** 1985;19(5):439-49

Taste response to 2,5-anhydro-D-hexitols; rigid stereospecificity of the furanose site in the sugar receptor

of the flesh fly. Shimada I, et al. **J Comp Physiol [A]** 1985 Oct;157(4):477–82

In vivo measurements of sulcal plaque pH in rats after topical applications of xylitol, sorbitol, glucose, sucrose, and sucrose plus 53 mM sodium fluoride. Firestone AR, et al. **J Dent Res** 1986 Jan;65(1):44–8

Alterations in electrolyte and iron metabolism in the rat in relation to peroral administration of galactitol, mannitol and xylitol. Hämäläinen MM, et al. **J Nutr** 1986 Apr; 116(4):599–609

Effects of oral administration of maltitol on plasma glucose, plasma sorbitol, and serum insulin levels in man. Secchi A, et al. **Klin Wochenschr** 1986 Mar 17;64(6):265–9

Inhibitory and stimulatory effects of dianhydrogalactitol, an alkylating cytostatic agent on the humoral immune response. Gerö E, et al. **Oncology** 1986;43(2):98–102

Aggregation of human salivary Ca-proteinates in the presence of simple carbohydrates in vitro. Söderling E, et al. **Scand J Dent Res** 1986 Apr;94(2):125–31

[The effect of lactitol on the production of expired hydrogen in normal subjects] Griessen M, et al. **Schweiz Med Wochenschr** 1986 Apr 12;116(15):469–72 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Phase II trial of dianhydrogalactitol in the treatment of children with refractory childhood malignancies: a report from the Children's Cancer Study Group. Finklestein JZ, et al. **Cancer Treat Rep** 1985 Nov;69(11):1331–3

Survival responses to new cytostatic hexitols of P388 mouse and K562 human leukemia cells in vitro. Pályi I. **Cancer Treat Rep** 1986 Feb;70(2):279–84

Successful treatment of acute myocardial ischaemia with teopranitol—a novel organic nitrate. Thiemermann C, et al. **Eur Heart J** 1986 May;7(5):418–24

TOXICITY

Relation between dose, plasma concentration and toxicity in a phase I trial using high dose intermittent administration of an alkylating agent, diacetyldianhydrogalactitol (DADAG). Kerpel-Fronius S, et al. **Cancer Chemother Pharmacol** 1986;16(3):264–8

SUGAR PHOSPHATES

1H, 13C and 31P n.m.r. spectra and molecular conformation of myo-inositol 1,4,5-triphosphate. Lindon JC, et al. **Biochem J** 1986 Jan 1;233(1):275–7

[Bend of the furanose ring of the double-helical DNA] Pechenaia VI. **Mol Biol (Mosk)** 1986 May–Jun;20(3):820–6 (Eng. Abstr.) **(Rus)**

ANALYSIS

Analysis of inositol mono- and polyphosphates by gas chromatography/mass spectrometry and fast atom bombardment. Sherman WR, et al. **Biomed Environ Mass Spectrom** 1986 Jul;13(7):333–41

Vasoactive intestinal polypeptide increases inositol phospholipid breakdown in the rat superior cervical ganglion. Audigier S, et al. **Brain Res** 1986 Jun 25; 376(2):363–7

Structure of the heparan sulfate–protein linkage region. Demonstration of the sequence galactosyl-galactosyl-xylose-2-phosphate. Fransson LA, et al. **J Biol Chem** 1985 Nov 25;260(27):14722–6

Inositol bis-, tris-, and tetrakis(phosphate)s: analysis in tissues by HPLC. Meek JL. **Proc Natl Acad Sci USA** 1986 Jun; 83(12):4162–6

BIOSYNTHESIS

The formation of [3H]inositol phosphates in human platelets by palmitoyl lysophosphatidic acid is blocked by indomethacin. Watson SP, et al. **Biochem Biophys Res Commun** 1985 Oct 30;132(2):555–62

Differential effects of spermine on aggregation, inositol phosphate formation and protein phosphorylation in human platelets in response to thrombin, arachidonic acid and lysophosphatidic acid. Israels SJ, et al. **Biochim Biophys Acta** 1986 Sep 4;883(2):247–52

Platelet-activating factor mobilizes intracellular calcium in vascular smooth muscle cells. Doyle VM, et al. **FEBS Lett** 1986 Mar 3;197(1–2):13–6

ATP-induced calcium mobilization and inositol 1,4,5-triphosphate formation in H-35 hepatoma cells. Horstman DA, et al. **FEBS Lett** 1986 Aug 18;204(2):189–92

Pertussis toxin blocks angiotensin II-induced calcium influx but not inositol trisphosphate production in adrenal glomerulosa cell. Kojima I, et al. **FEBS Lett** 1986 Aug 18;204(2):347–51

Alpha 1-adrenergic activation of brown adipocytes leads to an increased formation of inositol polyphosphates. Nånberg E, et al. **FEBS Lett** 1986 Jan 20;195(1–2):319–22

Tumour promotor 12-O-tetradecanoylphorbol 13-acetate inhibits angiotensin II-induced inositol phosphate production and cytosolic Ca2+ rise in rat renal mesangial cells. Pfeilschifter J. **FEBS Lett** 1986 Jul 28;203(2):262–6

Adenosine-stimulated production of sugar-phosphates in bovine corneal endothelium. Zagrod ME, et al. **Invest Ophthalmol Vis Sci** 1985 Nov;26(11):1475–83

The formation of inositol 1,2-cyclic phosphate on agonist stimulation of phosphoinositide breakdown in mouse pancreatic minilobules. Evidence for direct phosphodiesteratic cleavage of phosphatidylinositol. Dixon JF, et al. **J Biol Chem** 1985 Dec 25;260(30):16068–71

Angiotensin II and dopamine modulate both cAMP and inositol phosphate productions in anterior pituitary cells. Involvement in prolactin secretion. Enjalbert A, et al. **J Biol Chem** 1986 Mar 25;261(9):4071–5

Direct evidence for involvement of a guanine nucleotide-binding protein in chemotactic peptide-stimulated formation of inositol bisphosphate and trisphosphate in differentiated human leukemic (HL-60) cells. Reconstitution with Gi or Go of the plasma membranes ADP-ribosylated by pertussis toxin. Kikuchi A, et al. **J Biol Chem** 1986 Sep 5;261(25):11558–62

Diminished agonist-stimulated inositol trisphosphate generation blocks stimulus-secretion coupling in mouse pancreatic acini during diet-induced experimental pancreatitis. Powers RE, et al. **J Clin Invest** 1986 May; 77(5):1668–74

Leukotriene B4 induces formation of inositol phosphates in rat peritoneal polymorphonuclear leukocytes. Mong S, et al. **Mol Pharmacol** 1986 Sep;30(3):235–42

Glutamate stimulates inositol phosphate formation in striatal neurones. Sladeczek F, et al. **Nature** 1985 Oct 24–30; 317(6039):717–9

Normal p21N-ras couples bombesin and other growth factor receptors to inositol phosphate production. Wakelam MJ, et al. **Nature** 1986 Sep 11–17;323(6084):173–6

Depolarisation of guinea-pig visceral smooth muscle causes hydrolysis of inositol phospholipids. Best L, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 May; 333(1):78–82

Serotonin increases the production of inositol phosphates and mobilises calcium via the 5-HT2 receptor in A7r5 smooth muscle cells. Doyle VM, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Jun; 333(2):98–103

Angiotensin II stimulates inositol phosphate formation in rat anterior pituitary glands. Lo WW, et al. **Neuropeptides** 1986 May–Jun;7(4):361–8

Perturbation of the human T-cell antigen receptor-T3 complex leads to the production of inositol tetrakisphosphate: evidence for conversion from inositol trisphosphate. Stewart SJ, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(16):6098–102

BLOOD

Leukotriene B4 stimulates phospholipase-C-mediated formation of inositol trisphosphate in neutrophils: implications for convergence of the phospholipase A2 and C pathways. Bradford PG, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:105–8

Prostaglandin endoperoxide analogues stimulate formation of 1,2-diacylglycerol and myo-inositol 1,4,5-triphosphate in human platelets. Lapetina EG, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:115–7

Determination of basal and stimulated levels of inositol triphosphate in [32P]orthophosphate-labeled platelets. Dangelmaier CA, et al. **Anal Biochem** 1986 May 1; 154(2):414–9

Metabolic and functional consequences of introducing inositol 1,4,5-trisphosphate into saponin-permeabilized human platelets. Authi KS, et al. **Biochem J** 1986 Feb 1; 233(3):707–18

Two species of phospholipase C isolated from lymphocytes produce specific ratios of inositol phosphate products. Carter HR, et al. **FEBS Lett** 1986 Aug 11;204(1):23–7

Phorbol 12,13-dibutyrate and 1-oleyl-2-acetyldiacylglycerol stimulate inositol trisphosphate dephosphorylation in human platelets. Molina y Vedia LM, et al. **J Biol Chem** 1986 Aug 15;261(23):10493–5

Measurement of IP3 mass as a monitor of phospholipase C activation in stimulated human platelets. Rittenhouse SE, et al. **Nouv Rev Fr Hematol** 1985;27(4):239–42

Inositol cyclic triphosphate [inositol 1,2-(cyclic)-4,5-triphosphate] is formed upon thrombin stimulation of human platelets. Ishii H, et al. **Proc Natl Acad Sci USA** 1986 Sep;83(17):6397–401

CHEMICAL SYNTHESIS

Synthesis of glycosides of alpha-D-mannopyranose 6-(alpha-D-glucopyranosyl phosphate). The putative ligatin receptor. Srivastava OP, et al. **Carbohydr Res** 1985 Nov 1;143:77–84

ISOLATION & PURIFICATION

Isolation and characterization of the inositol cyclic phosphate products of phosphoinositide cleavage by phospholipase C. Metabolism in cell-free extracts. Connolly TM, et al. **J Biol Chem** 1986 Jan 5;261(1):122–6

Isolation and characterization of the inositol cyclic phosphate products of polyphosphoinositide cleavage by phospholipase C. Physiological effects in permeabilized platelets and Limulus photoreceptor cells. Wilson DB, et al. **J Biol Chem** 1985 Nov 5;260(25):13496–501

[Chemical properties of O-antigenic lipopolysaccharides isolated from Vibrio parahaemolyticus O2 and O9, in particular, the separation and identification of 2-keto-3-deoxy-5-phosphoryl-octonate found in their strong acid-hydrolysates] Tsai B, et al. **Nippon Saikingaku Zasshi** 1986 Mar;41(2):541–5 (Eng. Abstr.) **(Jpn)**

METABOLISM

Decreased alpha 1-adrenergic receptor-mediated inositide hydrolysis in neurons from hypertensive rat brain. Feldstein JB, et al. **Am J Physiol** 1986 Aug;251(2 Pt 1):C230–7

Binding sites for inositol trisphosphate in the bovine adrenal cortex. Baukal AJ, et al. **Biochem Biophys Res Commun** 1985 Dec 17;133(2):532–8

Carbachol-induced accumulation of inositol-1-phosphate in neurohybridoma NCB-20 cells: effects of lithium and phorbol esters. Chuang DM. **Biochem Biophys Res Commun** 1986 Apr 29;136(2):622–9

Bradykinin induces a rapid release of inositol trisphosphate from a neuroblastoma hybrid cell line NCB-20 that is not antagonized by enkephalin. Francel PC, et al. **Biochem Biophys Res Commun** 1986 Mar 13;135(2):507–14

Gonadotropin releasing hormone enhances polyphosphoinositide hydrolysis in rat pituitary cells. Kiesel L, et al. **Biochem Biophys Res Commun** 1986 Jan 29;134(2):861–7

Chlorpromazine induces accumulation of inositol phosphates in C6 glioma cells. Leli U, et al. **Biochem Biophys Res Commun** 1986 Mar 13;135(2):465–72

H1-histaminergic activation stimulates inositol-1-phosphate accumulation in chromaffin cells. Noble EP, et al. **Biochem Biophys Res Commun** 1986 Mar 13;135(2):566–73

Rapid increases in inositol trisphosphate and intracellular Ca++ after heat shock. Stevenson MA, et al. **Biochem Biophys Res Commun** 1986 Jun 13;137(2):826–33

Rapid formation of inositol 1,3,4,5-tetrakisphosphate following muscarinic receptor stimulation of rat cerebral cortical slices. Batty IR, et al. **Biochem J** 1985 Nov 15; 232(1):211–5

Inositol 1,4,5-trisphosphate and inositol 1,3,4-trisphosphate formation in Ca2+-mobilizing-hormone-activated cells. Burgess GM, et al. **Biochem J** 1985 Nov 15;232(1):237–43

The de novo phospholipid effect of insulin is associated with increases in diacylglycerol, but not inositol phosphates or cytosolic Ca2+. Farese RV, et al. **Biochem J** 1985 Oct 15;231(2):269–78

Guanine nucleotides stimulate production of inositol trisphosphate in rat cortical membranes. Gonzales RA, et al. **Biochem J** 1985 Dec 15;232(3):799–804

Specific vasopressin binding to rat adrenal glomerulosa cells. Relationship to inositol lipid breakdown. Guillon G, et al. **Biochem J** 1986 Apr 1;235(1):209–14

Binding of inositol trisphosphate by a liver microsomal fraction. Spät A, et al. **Biochem J** 1986 Feb 1;233(3):929–32

Release of intracellular Ca2+ and elevation of inositol trisphosphate by secretagogues in parietal and chief cells isolated from rabbit gastric mucosa. Chew CS, et al. **Biochim Biophys Acta** 1986 Aug 29;888(1):116–25

Accumulations of cyclic AMP and inositol phosphates in guinea pig cerebral cortical synnptoneurosomes: enhancement by agents acting at sodium channels. Hollingsworth EB, et al. **Biochim Biophys Acta** 1986 Aug 6;883(1):15–25

Accumulation of inositol phosphates and cyclic AMP in guinea-pig cerebral cortical preparations. Effects of norepinephrine, histamine, carbamylcholine and 2-chloroadenosine. Hollingsworth EB, et al. **Biochim Biophys Acta** 1985 Nov 20;847(2):207–16

Requirement of Ca2+ for the production and degradation of inositol 1,4,5-trisphosphate in macrophages. Kukita M, et al. **Biochim Biophys Acta** 1986 Jan 23;885(1):121–8

Calcium transport systems in the LLC-PK1 renal epithelial established cell line. Parys JB, et al. **Biochim Biophys Acta** 1986 Aug 29;888(1):70–81

Bradykinin-induced changes in myo-inositol 1,2-(cyclic)phosphate in rabbit papillary collecting tubule cells. Shayman JA, et al. **Biochim Biophys Acta** 1986 Sep 19;888(2):171–5

Ernst Klenk Lecture, November 1985. Intracellular signalling through inositol trisphosphate and diacylglycerol. Berridge MJ. **Biol Chem Hoppe Seyler** 1986 Jun;367(6):447–56 (121 ref.)

Changes in the 31P-NMR spectra of cats receiving lithium chloride systemically. Renshaw PF, et al. **Biol Psychiatry** 1986 Jun;21(7):694–8

Noradrenaline-stimulated inositol phospholipid breakdown in rat dorsal lateral geniculate nucleus neurones. Kemp JA, et al. **Brain Res** 1986 Apr 23;371(2):314–8

Inhibition of chemotactic peptide-induced phosphoinositide hydrolysis by phorbol esters through the activation of protein kinase C in differentiated human leukemia (HL-60) cells. Kikuchi A, et al. **Cancer Res** 1986 Jul;46(7):3401–6

Phosphate metabolites in germinating lettuce seeds observed by 31P NMR spectroscopy. Delfini M, et al. **Cell Mol Biol** 1985;31(5):385–9

Gonadotropin-releasing hormone (GnRH) rapidly stimulates the formation of inositol phosphates and diacylglycerol in rat granulosa cells: further evidence for the involvement of Ca2+ and protein kinase C in the action of GnRH. Davis JS, et al. **Endocrinology** 1986 Jun;118(6):2561–71

Interaction of enzymes involved in triosephosphate metabolism. Comparison of yeast and rabbit muscle cytoplasmic systems. Tompa P, et al. **Eur J Biochem** 1986 Aug 15;159(1):117–24

Histamine-induced hydrolysis of polyphosphoinositides in

guinea-pig ileum and brain. Donaldson J, et al. **Eur J Pharmacol** 1986 May 27;124(3):255–65

The effect of selective noradrenergic lesions upon the stimulation by noradrenaline of inositol phospholipid breakdown in rat hippocampal miniprisms. Fowler CJ, et al. **Eur J Pharmacol** 1986 Apr 29;123(3):401–7

Accumulations of inositol phosphates and cyclic AMP in brain slices: synergistic interactions of histamine and 2-chloroadenosine. Hollingsworth EB, et al. **Eur J Pharmacol** 1986 Mar 11;122(1):45–50

The protein kinase C activator, 12-O-tetradecanoylphorbol-13-acetate (TPA), inhibits muscarinic (M1) receptor-mediated inositol phosphate release and cyclic GMP formation in murine neuroblastoma cells (clone N1E-115). Kanba S, et al. **Eur J Pharmacol** 1986 Jun 5;125(1):155–6

Alpha 1-adrenoceptor-mediated inositol phospholipid hydrolysis in rat cerebral cortex: relationship between receptor occupancy and response and effects of denervation. Kendall DA, et al. **Eur J Pharmacol** 1985 Aug 7;114(1):41–52

Dihydropyridine calcium channel activators and antagonists influence depolarization-evoked inositol phospholipid hydrolysis in brain. Kendall DA, et al. **Eur J Pharmacol** 1985 Sep 10;115(1):31–6

Feedback control of the inositol phospholipid response in rat brain is sensitive to ACTH. Schrama LH, et al. **Eur J Pharmacol** 1986 Mar 4;121(3):403–4

Muscarinic stimulation of inositol phosphate accumulation and acid secretion in gastric fundic mucosal cells. Baudière B, et al. **FEBS Lett** 1986 Mar 31;198(2):321–5

Maitotoxin stimulates the formation of inositol phosphates in rat aortic myocytes. Berta P, et al. **FEBS Lett** 1986 Mar 3;197(1–2):349–52

Two phases of inositol polyphosphate and diacylglycerol production at fertilisation. Ciapa B, et al. **FEBS Lett** 1986 Jan 20;195(1–2):347–51

Scorpion venom (Leiurus quinquestriatus) elicits accumulations of inositol phosphates and cyclic AMP in guinea pig cortical synaptoneurosomes. Gusovsky F, et al. **FEBS Lett** 1986 Apr 7;199(1):107–12

Guanosine 5'-triphosphate releases calcium from rat liver and guinea pig parotid gland endoplasmic reticulum independently of inositol 1,4,5-trisphosphate. Henne V, et al. **FEBS Lett** 1986 Jul 7;202(2):267–73

Carbachol and oxytocin stimulate the generation of inositol phosphates in the guinea pig myometrium. Marc S, et al. **FEBS Lett** 1986 May 26;201(1):9–14

Muscarinic M2-receptors enhance polyphosphoinositol release in rat gastric mucosal cells. Pfeiffer A, et al. **FEBS Lett** 1986 Aug 18;204(2):352–6

Ca2+ regulates the inositol tris/tetrakisphosphate pathway in intact and broken preparations of insulin-secreting RINm5F cells. Biden TJ, et al. **J Biol Chem** 1986 Sep 15; 261(26):11931–4

A role for inositol triphosphate in intracellular Ca2+ mobilization and granule secretion in platelets. Brass LF, et al. **J Biol Chem** 1985 Dec 5;260(28):15172–9

Thyrotropin-releasing hormone (TRH) elevation of inositol trisphosphate and cytosolic free calcium is dependent on receptor number. Evidence for multiple rapid interactions between TRH and its receptor. Ramsdell JS, et al. **J Biol Chem** 1986 Apr 25;261(12):5301–6

Thyrotropin-releasing hormone and GTP activate inositol trisphosphate formation in membranes isolated from rat pituitary cells. Straub RE, et al. **J Biol Chem** 1986 Feb 25;261(6):2712–7

Second messenger function of inositol 1,4,5-trisphosphate. Early changes in inositol phosphates, cytosolic Ca2+, and insulin release in carbamylcholine-stimulated RINm5F cells. Wollheim CB, et al. **J Biol Chem** 1986 Jun 25; 261(18):8314–9

Regulation of inositol phosphate levels by prostaglandins in cultured endometrial cells. Orlicky DJ, et al. **J Cell Physiol** 1986 Jul;128(1):105–12

Inositol tetrakis- and pentakisphosphates in GH4 cells. Heslop JP, et al. **J Exp Biol** 1985 Nov;119:395–401

Crosslinking of surface immunoglobulin and Fc receptors on B lymphocytes inhibits stimulation of inositol phospholipid breakdown via the antigen receptors. Bijsterbosch MK, et al. **J Exp Med** 1985 Dec 1;162(6):1825–36

Anti-Ig induces release of inositol 1,4,5-trisphosphate, which mediates mobilization of intracellular Ca++ stores in B lymphocytes. Ransom JT, et al. **J Immunol** 1986 Jul 15; 137(2):708–14

Surgical sympathetic denervation increases alpha 1-adrenoceptor-mediated accumulation of myo-inositol trisphosphate and muscle contraction in rabbit iris dilator smooth muscle. Akhtar RA, et al. **J Neurochem** 1986 Jan; 46(1):96–104

Differential effects of lithium on muscarinic receptor stimulation of inositol phosphates in rat cerebral cortex slices. Batty I, et al. **J Neurochem** 1985 Nov;45(5):1514–21

Activation of muscarinic and of alpha 1-adrenergic receptors on astrocytes results in the accumulation of inositol phosphates. Pearce B, et al. **J Neurochem** 1985 Nov; 45(5):1534–40

Alpha 1-adrenoceptor function in the rat hippocampus as assessed by noradrenaline-stimulated inositol phospholipid breakdown after destruction of noradrenergic neurons by neonatal 6-hydroxydopamine treatment. Fowler CJ, et al. **J Pharm Pharmacol** 1986 May;38(5):385–8

Effects of ethanol on stimulated inositol phospholipid hydrolysis in rat brain. Gonzales RA, et al. **J Pharmacol Exp Ther** 1986 Apr;237(1):92–8

Comparison of the effects of muscarine and vasopressin on inositol phospholipid metabolism in the superior cervical ganglion of the rat. Horwitz J, et al. **J Pharmacol Exp Ther** 1986 Apr;237(1):312–7

Inositol phosphates turnover, cytosolic Ca++ and pH: putative signals for the control of cell growth. Vicentini LM, et al. **Life Sci** 1986 Jun 23;38(25):2269–76 (33 ref.)

Hydrolysis of phosphoproteins and inositol phosphates by cell surface phosphatase of Leishmania donovani. Das S, et al. **Mol Biochem Parasitol** 1986 Aug;20(2):143–53

G-protein control of inositol phosphate hydrolysis [news] Michell B, et al. **Nature** 1986 Sep 11–17;323(6084):112–3

Inositol phosphates. Profusion and confusion [news] Michell B. **Nature** 1986 Jun 16–22;319(6050):176–7

Activation of cellular calcium entry [letter] Petersen OH. **Nature** 1986 Jun 5–11;321(6070):567

A saturable receptor for 32P-inositol-1,4,5-triphosphate in hepatocytes and neutrophils. Spät A, et al. **Nature** 1986 Feb 6–12;319(6053):514–6

Activation of two signal-transduction systems in hepatocytes by glucagon. Wakelam MJ, et al. **Nature** 1986 Sep 4–10; 323(6083):68–71

Serine-O-phosphate, an endogenous metabolite, inhibits the stimulation of inositol phospholipid hydrolysis elicited by ibotenic acid in rat hippocampal slices. Nicoletti F, et al. **Neuropharmacology** 1986 Mar;25(3):335–8

Inhibition of inositol phospholipid breakdown by D2 dopamine receptors in dissociated bovine anterior pituitary cells. Simmonds SH, et al. **Neurosci Lett** 1985 Oct 10; 60(3):267–72

Pertussis toxin or phorbol 12-myristate 13-acetate can distinguish between epidermal growth factor- and angiotensin-stimulated signals in hepatocytes. Johnson RM, et al. **Proc Natl Acad Sci USA** 1986 Apr;83(7):2032–6

Perturbation of the human T-cell antigen receptor-T3 complex leads to the production of inositol tetrakisphosphate: evidence for conversion from inositol trisphosphate. Stewart SJ, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(16):6098–102

Formation of inositol phosphates and calcium mobilization in Swiss 3T3 cells in response to prostaglandin F2 alpha. Sasaki T. **Prostaglandins Leukotrienes Med** 1985 Aug; 19(2):153–9

Angiotensin increases inositol phosphate content in anterior pituitary cells in culture: a relationship with its prolactin-stimulating activity. Canonico PL, et al. **Regul Pept [Suppl]** 1985;4:221–3

[Inositophospholipids and hormone action] Minenko A, et al. **Pharmazie** 1986 Feb;41(2):87–91 (89 ref.) (Ger)

PHARMACODYNAMICS

Inositol trisphosphate enhances calcium release in skinned cardiac and skeletal muscle. Nosek TM, et al. **Am J Physiol** 1986 May;250(5 Pt 1):C807–11

Inositol-1,4,5-trisphosphate injection mimics fertilization potentials in sea urchin eggs. Slack BE, et al. **Am J Physiol** 1986 Feb;250(2 Pt 1):C340–4

Inhibition of fructose bisphosphatase and stimulation of phosphofructokinase by a stable isosteric phosphonate analog of fructose 2,6-bisphosphate. McClard RW, et al. **Arch Biochem Biophys** 1986 Feb 15;245(1):282–6

Inositol 1,4,5-trisphosphate-induced Ca2+ release from permeabilized mastocytoma cells. Muto Y, et al. **Biochem Biophys Res Commun** 1986 Feb 26;135(1):46–51

Inositol 1,4,5-trisphosphate enhances Ca2+-sensitivity of the contractile mechanism of chemically skinned rabbit skeletal muscle fibres. Thieleczek R, et al. **Biochem Biophys Res Commun** 1986 Mar 13;135(2):662–9

The significance of sedoheptulose 1,7-bisphosphate in the metabolism and regulation of the pentose pathway in liver. Williams JF, et al. **Biochem Int** 1985 Oct;11(4):599–610

Inositol 1,4,5-trisphosphate-induced release of sequestered Ca2+ from highly purified human platelet intracellular membranes. Authi KS, et al. **Biochem J** 1985 Aug 15; 230(1):247–53

The effect of GTP on inositol 1,4,5-trisphosphate-stimulated Ca2+ efflux from a rat liver microsomal fraction. Is a GTP-dependent protein phosphorylation involved? Dawson AP, et al. **Biochem J** 1986 Mar 1;234(2):311–5

Size of the inositol 1,4,5-trisphosphate-sensitive calcium pool in guinea-pig hepatocytes. Taylor CW, et al. **Biochem J** 1985 Dec 1;232(2):435–8

Inositol 1,4,5-triphosphate induces calcium release from a non- mitochondrial pool in amoebae of Dictyostelium. Europe-Finer GN, et al. **Biochim Biophys Acta** 1986 Aug 1;887(3):335–40

A role for inositol 1,4,5-trisphosphate in the initiation of agonist-induced contractions of dog tracheal smooth muscle. Hashimoto T, et al. **Br J Pharmacol** 1985 Sep; 86(1):191–9

Roles of Ca2+ on the inositol 1,4,5-trisphosphate-induced release of Ca2+ from saponin-permeabilized single cells of the porcine coronary artery. Suematsu E, et al. **Comp Biochem Physiol [A]** 1985;82(3):645–9

Acetylcholine- and inositol 1,4,5-trisphosphate-induced calcium mobilization in Xenopus laevis oocytes. Nadler E, et al. **FEBS Lett** 1986 Apr 21;199(2):208–12

Neomycin: a specific drug to study the inositol-phospholipid signalling system? Prentki M, et al. **FEBS Lett** 1986 Mar 3;197(1–2):285–8

Inositol 1,4,5-trisphosphate and intracellular Ca2+ homeostasis in clonal pituitary cells (GH3). Translocation of Ca2+ into mitochondria from a functionally discrete portion of the nonmitochondrial store. Biden TJ, et al. **J Biol Chem** 1986 Jun 5;261(16):7223–9

Inositol trisphosphate induces calcium release from nonmitochondrial stores i sea urchin egg homogenates. Clapper DL, et al. **J Biol Chem** 1985 Nov 15; 260(26):13947–54

Temperature and nucleotide dependence of calcium release by myo-inositol 1,4,5-trisphosphate in cultured vascular smooth muscle cells. Smith JB, et al. **J Biol Chem** 1985 Nov 25;260(27):14413–6

Influence of inositol 1,4,5-trisphosphate and guanine nucleotides on intracellular calcium release within the N1E-115 neuronal cell line. Ueda T, et al. **J Biol Chem** 1986 Mar 5;261(7):3184–92

Inositol 1,4,5-trisphosphate induces aggregation and release of 5-hydroxytryptamine from saponin-permeabilized human platelets. Watson SP, et al. **J Biol Chem** 1986 Apr 25;261(12):5368–72

Intracellular Ca2+ mobilization by arachidonic acid. Comparison with myo-inositol 1,4,5-trisphosphate in isolated pancreatic islets. Wolf BA, et al. **J Biol Chem** 1986 Mar 15;261(8):3501–11

Excitation and adaptation of Limulus ventral photoreceptors by inositol 1,4,5 triphosphate result from a rise in intracellular calcium. Payne R, et al. **J Gen Physiol** 1986 Jul;88(1):127–42

Inositol trisphosphate mobilizes intracellular calcium in permeabilized adrenal chromaffin cells. Stoehr SJ, et al. **J Neurochem** 1986 Feb;46(2):637–40

Histologic study of the inhibition of bone resorption in organ cultures by myo-inositol-2-monophosphate. Gomes BC, et al. **J Oral Pathol** 1986 Jan;15(1):54–8

Inositol 1,4,5-trisphosphate activates pharmacomechanical coupling in smooth muscle of the rabbit mesenteric artery. Hashimoto T, et al. **J Physiol (Lond)** 1986 Jan;370:605–18

Inositol 1,4,5-trisphosphate releases Ca2+ from a nonmitochoadrial store site in permeabilized rat cortical kidney cells. Thévenod F, et al. **Kidney Int** 1986 Mar; 29(3):695–702

Irreversible inhibition of Ca2+ release in saponin-treated macrophages by the photoaffinity derivative of inositol-1, 4, 5-trisphosphate. Hirata M, et al. **Nature** 1985 Oct 24–30; 317(6039):723–5

Bradykinin-activated transmembrane signals are coupled via No or Ni to production of inositol 1,4,5-trisphosphate, a second messenger in NG108-15 neuroblastoma-glioma hybrid cells. Higashida H, et al. **Proc Natl Acad Sci USA** 1986 Feb;83(4):942–6

Activation of permeabilized platelets by inositol-1,4,5-trisphosphate. Israels SJ, et al. **Thromb Res** 1985 Nov 15;40(4):499–509

PHYSIOLOGY

Dual activation of the inositol-triphosphate-calcium and cyclic nucleotide intracellular signaling systems by adrenocorticotropin in rat adrenal cells. Farese RV, et al. **Biochem Biophys Res Commun** 1986 Mar 28;135(3):742–8

A genetic study of inositol trisphosphate involvement in phototransduction using Drosophila mutants. Inoue H, et al. **Biochem Biophys Res Commun** 1985 Oct 30;132(2):513–9

Role of inositol 1,4,5-trisphosphate in excitation-contraction coupling in skeletal muscle. Volpe P, et al. **FEBS Lett** 1986 Mar 3;197(1–2):1–4 (39 ref.)

Second messenger function of inositol 1,4,5-trisphosphate. Early changes in inositol phosphates, cytosolic Ca2+, and insulin release in carbamylcholine-stimulated RINm5F cells. Wollheim CB, et al. **J Biol Chem** 1986 Jun 25; 261(18):8314–9

Regulation of cortical vesicle exocytosis in sea urchin eggs by inositol 1,4,5-trisphosphate and GTP-binding protein. Turner PR, et al. **J Cell Biol** 1986 Jan;102(1):70–6

The inositol tris/tetrakisphosphate pathway—demonstration of Ins(1,4,5)P3 3-kinase activity in animal tissues. Irvine RF, et al. **Nature** 1986 Apr 17–23;320(6063):631–4

Cholera toxin inhibits the T-cell antigen receptor-mediated increases in inositol trisphosphate and cytoplasmic free calcium. Imboden JB, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(15):5673–7

SUGARS see **CARBOHYDRATES**

SUGGESTION

see related

AUTOGENIC TRAINING

A method for developing suggestions from the literature. Fuller AK. **Am J Clin Hypn** 1986 Jul;29(1):47–52

Reports of hypnotic depth: are they more than mere words? Laurence JR, et al. **Int J Clin Exp Hypn** 1986 Jul; 34(3):215–33

Suggestion and illness. Hall H. **Int J Psychosom** 1986; 33(2):24–7

Qualities of the unreal. Schooler JW, et al. **J Exp Psychol [Learn Mem Cogn]** 1986 Apr;12(2):171–81

Instructions control whether nicotine will serve as a reinforcer. Hughes JR, et al. **J Pharmacol Exp Ther** 1985 Oct;235(1):106–12

Investigation of the responses of 'takers' and 'non-takers' on

the Gudjonsson Suggestibility Scale (GSS). Smith K, et al. **Med Sci Law** 1986 Jan;26(1):66–71

Blood pressure responses to hypnotic and nonhypnotic suggestions in normotensive subjects. Sletvold H, et al. **Pavlov J Biol Sci** 1986 Jan–Mar;21(1):32–5

Effect of suggestion on perception: replication of Gheorghiu and Reyher's study. De Pascalis V, et al. **Percept Mot Skills** 1985 Aug;61(1):123–30

Relaxation-induced anxiety in an agoraphobic population. Le Boeuf A. **Percept Mot Skills** 1986 Jun;62(3):910

Comparison of overt and subjective responses to the Carleton University Responsiveness to Suggestion Scale and the Stanford Hypnotic Susceptibility Scale under conditions of group administration. Spanos NP, et al. **Psychol Rep** 1986 Jun;58(3):847–56

Emotionally triggered asthma as a predictor of airway response to suggestion. Janson-Bjerklie S, et al. **Res Nurs Health** 1986 Jun;9(2):163–70

[Observation on sensation propagated along channel (PSC) phenomena in 250 cases under strong suggestion] Yuan CX, et al. **Chen Tzu Yen Chiu** 1985;10(3):221–5 (Eng. Abstr.) **(Chi)**

[Mental contagion] Fursay-Fusswerk J. **Ann Med Psychol (Paris)** 1985 Jul;143(7):701–6 **(Fre)**

[Use of imagination in suggestive therapy and the catathymic picture perception] Hennig H. **Psychother Psychosom Med Psychol** 1986 Feb;36(2):64–8 (Eng. Abstr.) **(Ger)**

[Crime under hypnosis. Considerations on the problem of the ability to resist according to paragraph 179 of the Penal Code] Petersohn F. Z **Rechtsmed** 1985;95(2):75–84 (Eng. Abstr.) **(Ger)**

[Beliefs induced on two levels in a 16-year-old boy and members of his family] Grzywa A, et al. **Psychiatr Pol** 1986 Jan–Feb;20(1):76–8 **(Pol)**

[Experience with the conditioned-reflex treatment of alcoholism with small doses of Lycopodium selago] Cherednik NN, et al. **Vrach Delo** 1985 Dec;(12):71–2 **(Rus)**

SUICIDE

Psychotropic drug-related suicides. Charnov JH, et al. **Am J Forensic Med Pathol** 1985 Dec;6(4):312–8

FBI/NCIC program and postmortem identification [letter] Green GS. **Am J Forensic Med Pathol** 1986 Mar;7(1):88–9

A case of suicidal hanging in an automobile. Hardwicke MB, et al. **Am J Forensic Med Pathol** 1985 Dec;6(4):362–4

Head injury associated with barbiturate suicide. Hayman JA. **Am J Forensic Med Pathol** 1986 Mar;7(1):78–80

Propane asphyxiation. Imami RH, et al. **Am J Forensic Med Pathol** 1986 Mar;7(1):76–7

Asphyxiation by hanging in two young Hispanic children—homicide, suicide, or accidental deaths? A review of pediatric hangings. Perrot LJ, et al. **Am J Forensic Med Pathol** 1985 Dec;6(4):284–8

Suicide by self-inflicted stab wound of the chest. Shiono H, et al. **Am J Forensic Med Pathol** 1986 Mar;7(1):72–3

Self-inflicted bite mark on the breast of a suicide victim. Sobel MN, et al. **Am J Forensic Med Pathol** 1985 Dec; 6(4):336–9

Increased serotonin2 and beta-adrenergic receptor binding in the frontal cortices of suicide victims. Mann JJ, et al. **Arch Gen Psychiatry** 1986 Oct;43(10):954–9

Aspects of deliberate self-harm. O'Shea B, et al. **Br J Hosp Med** 1986 May;35(5):335–7

Occupationless health [letter] **Br Med J [Clin Res]** 1986 Jan 11;292(6513):137–8

Self poisoning with oral cadmium chloride. Buckler HM, et al. **Br Med J [Clin Res]** 1986 Jun 14;292(6535):1559–60

Serotonergic mechanisms in brains of suicide victims. Owen F, et al. **Brain Res** 1986 Jan 1;362(1):185–8

Suicide and the cancer patient. Engelhardt HT Jr. **CA** 1986 Mar–Apr;36(2):105–9

Suicide: ethical and moral issues from a theological perspective. Best EE. **Can J Psychiatry** 1986 Mar; 31(2):97–100

Suicide: philosophical, legal, theological and medical issues. Hoffmaster CB, et al. **Can J Psychiatry** 1986 Mar; 31(2):89–90

Moral philosophy and suicide. Narveson J. **Can J Psychiatry** 1986 Mar;31(2):104–7

Psychosis resulting in suicide in a patient with primary hyperparathyroidism. Oztunç S, et al. **Can J Psychiatry** 1986 May;31(4):342–3

A fatality possibly due to legal process [letter] Rapp MS. **Can J Psychiatry** 1986 Jun;31(5):486–7

Suicidal patients and the ethics of medicine. Sakinofsky I, et al. **Can J Psychiatry** 1986 Mar;31(2):91–6

Caffeine fatality: a case report. Winek CL, et al. **Forensic Sci Int** 1985 Nov–Dec;29(3–4):207–11

Depression, self-love, time, and the "right" to suicide. Bursztajn H, et al. **Gen Hosp Psychiatry** 1986 Mar;8(2):91–9

Keeping Elizabeth Bouvia alive for the public good. Kane FI. **Hastings Cent Rep** 1985 Dec;15(6):5–8

Validation of a three-item measure of depressive and suicidal symptoms. Allison M, et al. **Hosp Community Psychiatry** 1986 Jul;37(7):738–40

Suicidal behavior. Recognition and intervention. Lowenstein SR. **Hosp Pract [Off]** 1985 Oct 30;20(10A):52–5, 58, 61–71

ISMS Auxiliary sponsors conference on teen suicide. **IMJ** 1985 Nov;168(5):322, 324

Assessing suicide risk. Salama el-AA. **IMJ** 1985 Nov; 168(5):333–7

Factors affecting suicide in young, middle-aged and elderly men. Araki S, et al. **J Biosoc Sci** 1986 Jan;18(1):103–8

A case of suicidal and homicidal ideation and akathisia in a double-blind neuroleptic crossover study [letter] Shaw ED, et al. **J Clin Psychopharmacol** 1986 Jun;6(3):196–7

"Insanity" in civil law.Kern SR. **J Forensic Sci** 1986 Jul; 31(3):1159–62

Suicide by ingestion of methyl ethyl ketone peroxide. Mittleman RE, et al. **J Forensic Sci** 1986 Jan;31(1):312–20

Suicide by exposure to sulfuryl fluoride. Scheuerman EH. **J Forensic Sci** 1986 Jul;31(3):1154–8

My dear colleague: are you considering suicide? [letter] **JAMA** 1986 May 16;255(19):2599–600

Drugs involved in self-poisoning: verification by toxicological analysis. Ray JE, et al. **Med J Aust** 1986 Apr 28;144(9):455–7

Deaths in the bath. Devos C, et al. **Med Sci Law** 1985 Jul; 25(3):189–200

Suicide by leaping from multistorey car parks. Pounder DJ. **Med Sci Law** 1985 Jul;25(3):179–88

Suicide trends in Singapore, 1975–84. Tan CT. **Med Sci Law** 1986 Jul;26(3):238–42

The law and the 'foreseeable' suicide. Brahams D. **Practitioner** 1986 Jul;230(1417):619–20, 622

Psychiatric emergencies. Tavani-Petrone C. **Primary Care** 1986 Mar;13(1):157–67

Proposed relation of testosterone levels to male suicides and sudden deaths. Roland BC, et al. **Psychol Rep** 1986 Aug; 59(1):100–2

The effects of fenfluramine on suicidal behavior. Meyendorff E, et al. **Psychopharmacol Bull** 1986;22(1):155–9

Mortality from violent causes among the elderly population in Finland in 1951–1979. Kivelä SL, et al. **Scand J Soc Med** 1986;14(1):31–8

Youth suicide [letter] **Science** 1986 Oct 10;234(4773):127

Biology of suicide. **Suicide Life Threat Behav** 1986 Summer; 16(2):1–229

A critical look at our adolescence: notes on turning 18 (and 75). Berman AL. **Suicide Life Threat Behav** 1986 Spring; 16(1):1–12

Human aggression and suicide. Brown GL, et al. **Suicide Life Threat Behav** 1986 Summer;16(2):223–43 (118 ref.)

A mathematical model of evolutionary pressures regulating self-preservation and self-destruction. de Catanzaro D. **Suicide Life Threat Behav** 1986 Summer;16(2):166–81

Suicide and euthanasia—special types of partner relationships [letter] Humphrey D. **Suicide Life Threat Behav** 1986 Spring;16(1):65–6

Genetics, twin studies, and suicide. Lester D. **Suicide Life Threat Behav** 1986 Summer;16(2):274–85 (55 ref.)

A proposed curriculum on suicide care for psychiatry residency. Lonax JW. **Suicide Life Threat Behav** 1986 Spring;16(1):56–64

Clinical considerations of biological correlates of suicide. Motto JA. **Suicide Life Threat Behav** 1986 Summer; 16(2):83–102 (61 ref.)

Endocrinology and suicide. Rich CL. **Suicide Life Threat Behav** 1986 Summer;16(2):301–11 (55 ref.)

Alcoholism and suicide. Roy A, et al. **Suicide Life Threat Behav** 1986 Summer;16(2):244–73 (115 ref.)

A stress-diathesis theory of suicide. Rubinstein DH. **Suicide Life Threat Behav** 1986 Summer;16(2):182–97 (36 ref.)

Suggested recommendations for the study of suicide and other life-threatening behaviors. Smith K, et al. **Suicide Life Threat Behav** 1986 Spring;16(1):67–9

Neurochemical findings in suicide completers and suicide attempters. Stanley M, et al. **Suicide Life Threat Behav** 1986 Summer;16(2):286–300 (59 ref.)

Clinical electroencephalography and the study of suicide behavior. Struve FA. **Suicide Life Threat Behav** 1986 Summer;16(2):133–65 (92 ref.)

[The idea of suicide and behavior of schizophrenics] Yao FC. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1984 Dec;17(6):330–2 (Eng. Abstr.) **(Chi)**

[Propranolol poisoning] Bouwels LH. **Ned Tijdschr Geneeskd** 1986 Mar 29;130(13):596–9 (Eng. Abstr.) **(Dut)**

[Barbiturates as sedatives—too dangerous to have in the house] Offerhaus L. **Ned Tijdschr Geneeskd** 1986 Mar 15; 130(11):479–80 **(Dut)**

[Suicide and biology] Boyer P. **Ann Med Psychol (Paris)** 1985 Sep–Oct;143(8):782–7 **(Fre)**

[Benzodiazepine receptors in the hippocampus of suicides] Manchon M, et al. **C R Acad Sci [III]** 1986;302(4):131–4 (Eng. Abstr.) **(Fre)**

[Perforation of the vaginal and rectal areas—self-inflicted or caused by another hand?] Missliwetz J, et al. **Arch Kriminol** 1985 Nov–Dec;176(5–6):146–52 **(Ger)**

[Significance of morphologic findings of the brain in post-traumatic suicide] Eisenmenger W, et al. **Beitr Gerichtl Med** 1985;43:83–93 (Eng. Abstr.) **(Ger)**

[Pneumonitis with fatal pulmonary fibrosis (Hamman-Rich syndrome) due to parathion-(E-605-) poisoning] Lotz W, et al. **ROFO** 1986 May;144(5):536–41 (Eng. Abstr.) **(Ger)**

[Suicide by intravenous injection of sublimate solution] Dittmann V, et al. Z **Rechtsmed** 1985;94(4):301–7 (Eng. Abstr.) **(Ger)**

[Antidepressive drugs and suicide] Campailla G, et al. **Minerva Psichiatr** 1985 Oct–Dec;26(4):367–74 (50 ref.) (Eng. Abstr.) **(Ita)**

[Suicide in childhood as a psychosocial problem] Skoricová M, et al. **Cesk Pediatr** 1985 Sep;40(9):530–2 (Eng. Abstr.) **(Slo)**

COMPLICATIONS

Suicide and attempted suicide in Huntington disease: implications for preclinical testing of persons at risk. Farrer LA. **Am J Med Genet** 1986 Jun;24(2):305–11

HISTORY

American psychiatry and the cause of suicide, 1844–1917. Kushner HI. **Bull Hist Med** 1986 Spring;60(1):36–57

LEGISLATION & JURISPRUDENCE

Suicide litigation and risk management: a review of 32 cases. Perr IN. **Bull Am Acad Psychiatry Law** 1985;13(3):209–19

Suicide and attempted suicide: legal issues. Brown JM, et al. **Can J Psychiatry** 1986 Mar;31(2):101–3

Unusual hanging deaths. Clark MA, et al. **J Forensic Sci** 1986 Apr;31(2):747–55

Female homicide-suicide perpetrators: a controlled study. Fishbain DA, et al. **J Forensic Sci** 1985 Oct;30(4):1148–56

A rare suicidal case of a ten-year-old child stabbing himself in the throat. Hasekura H, et al. **J Forensic Sci** 1985 Oct; 30(4):1269–71

Correlation of circumstances with pathological findings in asphyxial deaths by hanging: a prospective study of 61 cases from Seattle, WA. Luke JL, et al. **J Forensic Sci** 1985 Oct; 30(4):1140–7

The proof in law of suicide. Massello W 3d. **J Forensic Sci** 1986 Jul;31(3):1000–8

The insanity defense to suicide. Massello W 3d. **J Forensic Sci** 1986 Jul;31(3):1009–15

Fatal strychnine poisoning—a case report and review of the literature. Perper JA. **J Forensic Sci** 1985 Oct;30(4):1248–55

Suicidal fire deaths revisited. Copeland AR. Z **Rechtsmed** 1985;95(1):51–7

[Euthanasia and assistance with suicide; legal considerations on the report by the National Commission] Roscam Abbing HD. **Ned Tijdschr Geneeskd** 1985 Nov 30;129(48):2294–6 **(Dut)**

[Missing persons with hidden corpse. Criminalistic and criminologic aspects for practice and research] Brinker H. **Arch Kriminol** 1986 Jan–Feb;177(1–2):1–8 **(Ger)**

[Strangulation—murder or suicide?] Mades B, et al. **Arch Kriminol** 1985 Jul–Aug;176(1–2):1–7 **(Ger)**

[Reconstruction of a suicide by a homemade firearm] Maxeiner H, et al. **Arch Kriminol** 1986 Jan–Feb; 177(1–2):19–28 (Eng. Abstr.) **(Ger)**

[Deviations in findings in hanging by interposition of fingers between noose and neck] Pollak S, et al. **Arch Kriminol** 1986 Mar–Apr;177(3–4):76–84 (Eng. Abstr.) **(Ger)**

[Electrocutions in the bathtub (Hamburg 1971–1983)] Püschel K, et al. **Arch Kriminol** 1985 Sep–Oct;176(3–4):96–100 **(Ger)**

[Suicidal carbon monoxide poisoning in an automobile with the engine switched off] Schneider V, et al. **Arch Kriminol** 1986 Mar–Apr;177(3–4):85–90 (Eng. Abstr.) **(Ger)**

[Electrocution in the bathtub] Schneider V. **Arch Kriminol** 1985 Sep–Oct;176(3–4):89–95 **(Ger)**

[Ethical and legal aspects of the suicide problem] Bron B. **Fortschr Neurol Psychiatr** 1986 Jul;54(7):232–40 (Eng. Abstr.) **(Ger)**

[Psychiatric evaluation and legal aspects of insurance in suicide cases] Maier-Madignier S. **Lebensversicherungsmedizin** 1986 Jan 1;38(1):30–4 (Eng. Abstr.) **(Ger)**

[A new sign for the establishment of gunshot in suicide?] Schneider V, et al. Z **Rechtsmed** 1985;95(4):259–64 (Eng. Abstr.) **(Ger)**

[Unnatural death in the hospital—some issues of legal evaluation] Binder G. **Zentralbl Chir** 1986;111(12):748–51 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Relationship between suicide, homicide and accidental deaths among the aged in Finland in 1951–1979. Kivelä SL. **Acta Psychiatr Scand** 1985 Aug;72(2):155–60

Train suicide in the county of Fyn 1979–82. Lindekilde K, et al. **Acta Psychiatr Scand** 1985 Aug;72(2):150–4

The female suicide victim. Trends in a metropolitan county (1963–1983). Frazer M. **Am J Forensic Med Pathol** 1985 Dec;6(4):305–11

Handling suicide threats in children and adolescents [letter] Werry JS. **Am J Psychiatry** 1986 Sep;143(9):1193–4

Firearms and youth suicide. Boyd JH, et al. **Am J Public Health** 1986 Oct;76(10):1240–2

Vermont's suicide rate [letter] Birkhead G, et al. **Ann Intern Med** 1986 Aug;105(2):308

San Diego Suicide Study. II. Substance abuse in young cases. Fowler RC, et al. **Arch Gen Psychiatry** 1986 Oct; 43(10):962–5

60 years of suicide in England and Wales. A cohort study.

Murphy E, et al. **Arch Gen Psychiatry** 1986 Oct; 43(10):969–76
San Diego suicide study. I. Young vs old subjects. Rich CL, et al. **Arch Gen Psychiatry** 1986 Jun;43(6):577–82
Suicide in Greenland. Lynge I. **Arctic Med Res** 1985;40:53–60
Suicide in association with psychiatric hospitalisation. Goldney RD, et al. **Aust NZ J Psychiatry** 1985 Jun; 19(2):177–83
Cohort analysis of Ontario suicide rates, 1877–1976. Barnes RA, et al. **Can J Psychiatry** 1986 Apr;31(3):208–13
Suicide and parasuicide in a northern Canadian native community. Ross CA, et al. **Can J Psychiatry** 1986 May; 31(4):331–4
Physician mortality and suicide. Results and implications of the AMA–APA Pilot Study. AMA Council on Scientific Affairs. **Conn Med** 1986 Jan;50(1):37–43
Suicide among the aged: concern for care givers. Hirst SP, et al. **Dimens Health Serv** 1985 Dec;62(10):25–7
A time series analysis of international immigration and suicide mortality in Canada. Trovato F. **Int J Soc Psychiatry** 1986 Summer;32(2):38–46
Recent changes in suicide among adolescents in England and Wales. McClure GM. **J Adolesc** 1986 Jun;9(2):135–43
Suicide in late life. Review and commentary. Blazer DG, et al. **J Am Geriatr Soc** 1986 Jul;34(7):519–25
Suicide in schizophrenia: the Iowa Record Linkage Study. Black DW, et al. **J Clin Psychiatry** 1985 Nov;46(11 Pt 2):14–7
Suicide in Fulton County, Georgia (1975–1984). Gowitt GT, et al. **J Forensic Sci** 1986 Jul;31(3):1029–38
Teenage suicide in Cobb, DeKalb, and Fulton Counties: a perspective. Hanzlick R. **J Med Assoc Ga** 1986 Jul; 75(7):434–7
An empirical study of borderline personality disorder and psychiatric suicides. Kullgren G, et al. **J Nerv Ment Dis** 1986 Jun;174(6):328–31
The quality of life in modern America and suicide and homicide rates. Lester D. **J Soc Psychol** 1985 Dec; 125(6):779–80
Suicide and affective disorder among the old order Amish [letter] deGruy FV. **JAMA** 1986 Jan 24–31;255(4):468
Overdose—a problem that is still with us [editorial] Buchanan MC, et al. **Med J Aust** 1986 Apr 28;144(9):450–1
Trends in self-poisoning with drugs in Newcastle, New South Wales, 1980–1982. Hardwicke C, et al. **Med J Aust** 1986 Apr 28;144(9):453–4
Hanging in Northern Ireland—a survey. Davison A, et al. **Med Sci Law** 1986 Jan;26(1):23–8
Premature mortality due to suicide and homicide—United States, 1983. MMWR 1986 Jun 6;35(22):357–60, 365
Does bad news about suicide beget bad news? [editorial] Eisenberg L. **N Engl J Med** 1986 Sep 11;315(11):705–7
The impact of suicide in television movies. Evidence of imitation. Gould MS, et al. **N Engl J Med** 1986 Sep 11; 315(11):690–4
Clustering of teenage suicides after television news stories about suicide. Phillips DP, et al. **N Engl J Med** 1986 Sep 11;315(11):685–9
Suicide and attempted suicide among children and adolescents. A transcultural study. Kitamura A. **Pediatrician** 1983–85;12(1):73–9
Epidemiologic trends in firearm suicides among adolescents. Moócicki EK, et al. **Pediatrician** 1983–85;12(1):52–62
Coroners' decisions and suicide rates. Lester D. **Psychol Rep** 1986 Apr;58(2):586
Aggression in Indian folk tales and personal violence (suicide and homicide). Lester D. **Psychol Rep** 1986 Jun;58(3):974
Level of depression in nations and their suicide rate. Lester D. **Psychol Rep** 1986 Jun;58(3):930
Failure to find a U-shaped distribution of suicide rates of USA cities as a function of their longitude. Lester D. **Psychol Rep** 1986 Aug;59(1):310
Longitude and suicide rates of certain United States cities. Stanger SR, et al. **Psychol Rep** 1986 Apr;58(2):598
Suicide and homicide among Hispanics in the southwest. Smith JC, et al. **Public Health Rep** 1986 May–Jun; 101(3):265–70
Patterns of suicide among Mexican Americans and Anglos, 1960–1980. Hoppe SK, et al. **Soc Psychiatry** 1986;21(2):83–8
Suicide, psychiatric reform, and the provision of psychiatric services in Italy. Williams P, et al. **Soc Psychiatry** 1986; 21(2):89–95
The monthly and weekly distribution of suicide. Massing W, et al. **Soc Sci Med** 1985;21(4):433–41
Physician suicide in North Carolina. Revicki DA, et al. **South Med J** 1985 Oct;78(10):1205–7
Sex difference trends in completed suicide. McIntosh JL, et al. **Suicide Life Threat Behav** 1986 Spring;16(1):16–27
The prevalence of suicidal behaviors, attitudes and associated social experiences in an urban population. Ramsay R, et al. **Suicide Life Threat Behav** 1985 Fall;15(3):151–67
Suicide mortality in Japan: analysis of the unusual secular trends. Araki S, et al. **Tohoku J Exp Med** 1986 Jun; 149(2):205–11
[Fatal barbiturate poisoning. How many of these are suicides?] Christensen H. **Ugeskr Laeger** 1985 Dec 30; 148(1):31–4 (Eng. Abstr.) **(Dan)**
[The increasing suicide rate] de Groot L, et al. **Ned Tijdschr Geneeskd** 1986 Feb 1;130(5):197–9 **(Dut)**
[Increasing number of suicide cases using different methods (letter)] Drion R. **Ned Tijdschr Geneeskd** 1986 Mar 15; 130(11):505–6 **(Dut)**
[The suicide rate increasing with changing methods] Hoogendoorn D. **Ned Tijdschr Geneeskd** 1986 Feb 1; 130(5):209–12 (Eng. Abstr.) **(Dut)**
[Mortality from suicide of persons less than 25 years old in French regions (1925–82)] Chaperon J, et al. **Cah Sociol Demogr Med** 1985 Jul–Sep;25(3):199–219 **(Fre)**
[Mortality and morbidity of suicide attempted by firearms (letter)] Herve C, et al. **Presse Med** 1985 Nov 9; 14(38):1970–1 **(Fre)**
[Childhood and juvenile suicide cases (a 10-year epidemiologic study from Vienna)] Friedrich-Schöler E, et al. **Beitr Gerichtl Med** 1985;43:417–21 (Eng. Abstr.) **(Ger)**
[Suicide in urban and rural areas] Buser K, et al. **Off Gesundheitswes** 1986 Jan;48(1):8–14 (Eng. Abstr.) **(Ger)**
[Incidence of suicide in physicians and dentists in Upper Bavaria] Bámayr A, et al. **Soc Psychiatry** 1986;21(1):39–48 (Eng. Abstr.) **(Ger)**
[Suicidal events in Baranya County in 1984] Ozsváth K. **Orv Hetil** 1986 May 18;127(20):1179–82 (Eng. Abstr.) **(Hun)**
[Considerations on suicide in substance dependence] Di Fiorino M, et al. **Minerva Psichiatr** 1985 Apr–Jun; 26(2):215–6 **(Ita)**
[Suicide among Norwegian soldiers between 1977 and 1984. A retrospective study] Hytten K. **Tidsskr Nor Laegeforen** 1985 Sep 20;105(26):1770–3 (Eng. Abstr.) **(Nor)**
[Biological basis of suicidal behavior] Montgomery SA. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1985 Nov–Dec;13(6):373–8 **(Spa)**
[Psychiatric care in Västerbotten County 1961–1983. Decreased suicide rate within inpatient psychiatric care. It seems that there is no transfer to outpatient psychiatric care] Jacobsson L, et al. **Lakartidningen** 1986 Jan 22; 83(4):233–6 **(Swe)**
[A questionnaire study carried out in the county of Västerbotten. 32 percent of the population have suicidal thoughts sometime during their life] Renberg E, et al. **Lakartidningen** 1986 Jul 9;83(28–29):2460–2 **(Swe)**

PREVENTION & CONTROL

Suicide risk: evaluation and management. Bhatia SC, et al. **Am Fam Physician** 1986 Sep;34(3):167–74
Legal liabilities of long-distance intervention [letter] Goldstein RL. **Am J Psychiatry** 1986 Sep;143(9):1202–3
Case report of psychiatric intervention by mail: a way of responding to a suicidal crisis. Jacobs D, et al. **Am J Psychiatry** 1986 Jan;143(1):92–3
The case against suicide prevention. Szasz T. **Am Psychol** 1986 Jul;41(7):806–12
The dexamethasone suppression test and suicidal patients. Ennis J, et al. **Br J Psychiatry** 1985 Oct;147:419–23
Adolescent suicide: preventive considerations [editorial] Black D. **Br Med J [Clin Res]** 1986 Jun 21;292(6536):1620–1
Deflecting suicide. A clinical case report. Barash DA. **Bull Menninger Clin** 1986 Jul;50(4):367–78
Depression and suicide in children and adolescents. Greene JW, et al. **Compr Ther** 1986 Feb;12(2):38–43
Telephone helplines at a suicide site. Glatt KM, et al. **Hosp Community Psychiatry** 1986 Feb;37(2):178–80
Treating a severely disturbed self-destructive adolescent with cold wet sheet packs. Singh H. **Hosp Community Psychiatry** 1986 Mar;37(3):287–8
Hospitals join the battle to stop teen suicides. Cherskov M. **Hospitals** 1986 Jun 5;60(11):98, 100
Adolescent suicidal and self-destructive behavior. Results of an intervention study. Deykin EY, et al. **J Adolesc Health Care** 1986 Mar;7(2):88–95
Teenage suicide: what do we have to offer? Simkin DR. **J La State Med Soc** 1986 Feb;138(2):15–6, 21
The suicidal phone call. Neville D, et al. **J Psychosoc Nurs Ment Health Serv** 1985 Aug;23(8):14–8
Warning signs unheeded. Avery JK. **J Tenn Med Assoc** 1985 Sep;78(9):575
Suicide prevention 1985 [editorial] Goldney RD. **Med J Aust** 1985 Nov 25;143(11):484–5
Report on the New Jersey Poison Information and Education System. Marcus SM, et al. **NJ Med** 1986 Mar;83(3):165–8
Early indicators of self-destruction in childhood and adolescence: a survey of pediatricians and psychiatrists. Fine P, et al. **Pediatrics** 1986 Apr;77(4):557–68
The suicidal patient. The primary care physician's role in evaluation and treatment. Smith CW Jr, et al. **Postgrad Med** 1986 Jun;79(8):195–202
The use of a multidisciplinary committee to manage the risk of suicide in a VA domiciliary. Smith JR, et al. **QRB** 1986 Jun;12(6):211–4
Youth suicide: new research focuses on a growing social problem [news] Holden C. **Science** 1986 Aug 22; 233(4766):839–41
The significance of Nico Speijer's suicide: how and when should suicide be prevented? Diekstra RF. **Suicide Life Threat Behav** 1986 Spring;16(1):13–5
Electroconvulsive therapy and suicide. Tanney BL. **Suicide Life Threat Behav** 1986 Summer;16(2):198–222 (105 ref.)
[Prevention of suicide] Lortie G. **Ann Med Psychol (Paris)** 1985 Sep–Oct;143(8):804–7 **(Fre)**
[Role of the medical team in caring for suicidal patients] Wedler HL. **Dtsch Med Wochenschr** 1986 Feb 28; 111(9):342–4 **(Ger)**
[Psychiatric first aid by telephone—"the telephone of trust"] Bouček J. **Psychiatr Neurol Med Psychol Beih** 1977; 22–23:142–8 (Eng. Abstr.) **(Ger)**
[Suicide and suicide prevention. Could the physician do more? Results of a questionnaire of relatives of suicide attempters and suicide victims] Michel K. **Schweiz Med Wochenschr** 1986 Jun 7;116(23):770–4 (Eng. Abstr.) **(Ger)**
[Models of interdisciplinary cooperation in the treatment of suicidal patients in the general hospital: psychiatric consultation-liaison service—the multiprofessional team] Böhme K. **Verh Dtsch Ges Inn Med** 1985;91:328–33 **(Ger)**
[Risk of recurrence and tertiary prevention effectiveness: role of the general hospital] Kerkhof AJ, et al. **Verh Dtsch Ges Inn Med** 1985;91:342–7 **(Ger)**
[Tasks within the scope of psychosocial treatment of suicidal patients: crisis intervention and social help, psychiatric evaluation and after care] Sonneck G. **Verh Dtsch Ges Inn Med** 1985;91:323–8 **(Ger)**
[Role of the medical team in the treatment of suicidal patients: competence, education, countertransference aspects] Wedler H. **Verh Dtsch Ges Inn Med** 1985;91:333–42 **(Ger)**
[Neuro- and social psychiatric aspects of suicide prevention] Mitterauer B. **Wien Med Wochenschr** 1985 Nov 30; 135(22):561–8 (Eng. Abstr.) **(Ger)**
[Situational reactions in suicidologic practice] Ambrumova AG, et al. **Zh Nevropatol Psikhiatr** 1985;85(10):1557–60 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Suicide in psychiatric patients in Denmark, 1971–1981. II. Hospital utilization and risk groups. Barner-Rasmussen P. **Acta Psychiatr Scand** 1986 Apr;73(4):449–55
Suicide in psychiatric patients in Denmark, 1971–81. I. Demographic and diagnostic description. Barner-Rasmussen P, et al. **Acta Psychiatr Scand** 1986 Apr; 73(4):441–8
The birthday blues revisited: the timing of suicidal, homicidal and natural deaths. Lester D. **Acta Psychiatr Scand** 1986 Mar;73(3):322–3
Patterns of self-destructive behaviour in schizophrenia. Nyman AK, et al. **Acta Psychiatr Scand** 1986 Mar; 73(3):252–62
Covert suicide and families of adolescents. Molin RS. **Adolescence** 1986 Spring;21(81):177–84
Suicidal thoughts and their relationship to family stress and personal problems among high school seniors and college undergraduates. Wright LS. **Adolescence** 1985 Fall; 20(79):575–80
Suicidal transurethral perforation of bladder. Diggs CA. **Am J Forensic Med Pathol** 1986 Jun;7(2):169–71
An association between norepinephrine-to-epinephrine ratio and suicidal ideation in depression [letter] **Am J Psychiatry** 1986 May;143(5):683–4
Hopelessness and suicide [letter] Case N. **Am J Psychiatry** 1986 Feb;143(2):272–3
Skin conductance habituation and cerebrospinal fluid 5-hydroxyindoleacetic acid in suicidal patients. Edman G, et al. **Arch Gen Psychiatry** 1986 Jun;43(6):586–92
Serotonin and 5-hydroxyindoleacetic acid in brains of suicide victims. Comparison in chronic schizophrenic patients with suicide as cause of death. Korpi ER, et al. **Arch Gen Psychiatry** 1986 Jun;43(6):594–600
Suicide in Hong Kong. Lo WH, et al. **Aust NZ J Psychiatry** 1985 Sep;19(3):287–92
Psychosis and suicide. Robins E. **Biol Psychiatry** 1986 Jun; 21(7):665–72
Counting counts [editorial] Robins E. **Biol Psychiatry** 1985 Oct;20(10):1037–8
Occupationless health. "I couldn't stand it any more": suicide and unemployment. Smith R. **Br Med J [Clin Res]** 1985 Nov 30;291(6508):1563–6
Suicide assessment. An ego vulnerabilities approach. Smith K. **Bull Menninger Clin** 1985 Sep;49(5):489–99
A comparison of the manifest content in dreams of suicidal, depressed and violent patients. Firth ST, et al. **Can J Psychiatry** 1986 Feb;31(1):48–53
Suicide risk scales: do they help to predict suicidal behaviour? Bürk F, et al. **Eur Arch Psychiatry Neurol Sci** 1985; 235(3):153–7
Paradoxes of suicide risk assessment. Motto JA. **Hillside J Clin Psychiatry** 1985;7(2):109–19
Suicide: a review of new directions in research. Hendin H. **Hosp Community Psychiatry** 1986 Feb;37(2):148–54 (62 ref.)
Methods of suicide by age: sex and race differences among the young and old. McIntosh JL, et al. **Int J Aging Hum Dev** 1985–86;22(2):123–39
The role of the oedipal fantasy in masturbatory and suicidal phenomena. Rice E. **Int J Psychoanal Psychother** 1985–86; 11:243–74
Interprovincial migration and suicide in Canada, 1971–78. Trovato F. **Int J Soc Psychiatry** 1986 Spring;32(1):14–21
Suicide among gifted women: a prospective study. Tomlinson-Keasey C, et al. **J Abnorm Psychol** 1986 May; 95(2):123–30
Double suicides [letter] Fishbain DA. **J Clin Psychiatry** 1985 Oct;46(10):453

Response of energy and suicidal ideation to ECT. Rich CL, et al. **J Clin Psychiatry** 1986 Jan;47(1):31–2
Depression, self–derogation, substance use, and suicide ideation: lack of purpose in life as a mediational factor. Harlow LL, et al. **J Clin Psychol** 1986 Jan;42(1):5–21
Psychogenic causes of physical symptoms, accidents and death [editorial] Sims AC. **J Hand Surg [Br]** 1985 Oct; 10(3):281–2
The concept of rational suicide. Mayo DJ. **J Med Philos** 1986 May;11(2):143–55
Symptomatic depression and suicidal ideation. A comparative study with 628 children. Kosky R, et al. **J Nerv Ment Dis** 1986 Sep;174(9):523–8
The quality of life and suicide. Lester D. **J Soc Psychol** 1985 Apr;125(2):279–80
My dear colleague: are you considering suicide? Victoroff VM. **JAMA** 1985 Dec 27;254(24):3464–6
Psychosocial characteristics of homicide and suicide victims. Russell LG. **Leg Med** 1985;:20–33
Fronto–cranial suspension—an unusual form of hanging. Crompton MR. **Med Sci Law** 1986 Jul;26(3):203–6
Consider the psychosocial consequences of AIDS. Fisher EJ. **Mich Med** 1986 Mar;85(3):95–6
Recent advances in suicidology. Krugley RA. **New Dir Ment Health Serv** 1985 Dec;(28):35–45
Alternative self–destruction. Lee DE. **Percept Mot Skills** 1985 Dec;61(3 Pt 2):1065–6
Activity attendance, hospital expectations, and suicide. Fry B, et al. **Psychiatr Q** 1984 Winter;56(4):270–5
Psychiatric aspects of railway fatalities. Synonds RL. **Psychol Med** 1985 Aug;15(3):609–21
A clinical and epidemiological survey of parasuicide and suicide in Edinburgh schizophrenics. Wilkinson G, et al. **Psychol Med** 1984 Nov;14(4):899–912
Relationships among locus of control, coronary–prone behavior, and suicidal ideation. Froyd J, et al. **Psychol Rep** 1985 Dec;57(3 Pt 2):1155–8
Suicide among psychiatric inpatients of older ages. Harkey B, et al. **Psychol Rep** 1986 Jun;58(3):775–82
Depression and suicidal ideation in college students. Sherer M. **Psychol Rep** 1985 Dec;57(3 Pt 2):1061–2
The suicide assessment scale: a scale evaluating change in suicidal behavior. Stanley B, et al. **Psychopharmacol Bull** 1986;22(1):200–5
Are words of the Rorschach predictors of disease and death? The case of "whirling".Thomas CB, et al. **Psychosom Med** 1985 Mar–Apr;47(2):201–11
An empirical investigation of Shneidman's formulations regarding suicide. Leenaars AA, et al. **Suicide Life Threat Behav** 1985 Fall;15(3):184–95
On the alleged ineffability of death. Mayo D. **Suicide Life Threat Behav** 1985 Fall;15(3):196–9
Preliminary field–testing of a risk estimator for suicide. Motto JA. **Suicide Life Threat Behav** 1985 Fall;15(3):139–50
[Suicidal behavior among children and adolescents] Vange B. **Ugeskr Laeger** 1986 Jan 6;148(2):97–101 (Eng. Abstr.) **(Dan)**
[Rational suicide] van Tol D. **Ned Tijdschr Geneeskd** 1986 Feb 1;130(5):199–202 **(Dut)**
[Factors and prognosis of suicide and recurrence] Biéder J. **Ann Med Psychol (Paris)** 1985 Sep–Oct;143(8):792–803 **(Fre)**
[Suicide and mental disease] Grunberg F. **Ann Med Psychol (Paris)** 1985 Sep–Oct;143(8):787–92 **(Fre)**
[Suicide by schizophrenic patients in psychiatric hospitals] Fujimori H, et al. **Fortschr Neurol Psychiatr** 1986 Jan; 54(1):1–14 (Eng. Abstr.) **(Ger)**
[Suicidal tendency in the judgment of clinically–active physicians] Reimer C, et al. **Nervenarzt** 1986 Feb; 57(2):100–7 **(Ger)**
[Reflections on suicide in a psychiatric hospital] Eichhorn H, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1985 Oct; 37(10):573–81 (Eng. Abstr.) **(Ger)**
[Suicidal behavior in childhood and early puberty—syndromatic nosologic aspects] Schier E. **Psychiatr Neurol Med Psychol (Leipz)** 1986 May; 38(5):241–5 (Eng. Abstr.) **(Ger)**
[Falling as a method of suicide—psychodynamic aspects] Haenel T. **Schweiz Arch Neurol Psychiatr** 1985;136(5):23–36 (Eng. Abstr.) **(Ger)**
[Suicide of schizophrenic patients] Scharfetter C. **Schweiz Arch Neurol Psychiatr** 1986;137(4):85–93 (Eng. Abstr.) **(Ger)**
[Compliance problems in suicidal patients] Möller HJ. **Verh Dtsch Ges Inn Med** 1985;91:348–53 **(Ger)**
[Configuration frequency analysis of items of a suicidal tendency questionnaire] Kuda M. **Z Klin Psychol Psychopathol Psychother** 1985;33(3):224–31 **(Ger)**
[Suicidal behavior and transmission of death experiences in the family] Wienforth J. **Z Psychosom Med Psychoanal** 1985;31(4):365–79 (Eng. Abstr.) **(Ger)**

SUICIDE, ATTEMPTED

Self–poisoning and the menstrual cycle. Ekeberg O, et al. **Acta Psychiatr Scand** 1986 Mar;73(3):239–41
Suicide attempt by drug overdose. Bouknight RR. **Am Fam Physician** 1986 Apr;33(4):137–42
Hypokalemia, hyperglycemia, and acidosis after intentional theophylline overdose. Sawyer WT, et al. **Am J Emerg Med** 1985 Sep;3(5):408–11
A profile of the self–poisoner in Michigan. Bouknight R, et al. **Am J Public Health** 1985 Dec;75(12):1435–6
Veterinary euthanasia drugs as suicide agents. Cordell WH, et al. **Ann Emerg Med** 1986 Aug;15(8):939–43
First–order elimination kinetics following baclofen overdose. Gerkin R, et al. **Ann Emerg Med** 1986 Jul;15(7):843–6
Ipecacuahana induced emesis in the treatment of self–poisoned adults. Gordon G. **Arch Emerg Med** 1985 Dec;2(4):203–8
Distraction by emotional stimuli: use of a Stroop task with suicide attempters. Williams JM, et al. **Br J Clin Psychol** 1986 May;25 (Pt 2):101–10
Life stress, medical lethality, and suicidal intent. Power KG, et al. **Br J Psychiatry** 1985 Dec;147:655–9
Marked suppression of ventilation while awake following massive ingestion of atenolol. Montgomery AB, et al. **Chest** 1985 Dec;88(6):920–1
Encapsulated alkali ingestion has a characteristic endoscopic appearance [letter] Gill RA, et al. **Gastrointest Endosc** 1986 Apr;32(2):121–2
Wide–complex tachycardia after a suicide attempt. Hancock EW. **Hosp Pract [Off]** 1986 Jun 15;21(6):61, 64, 67
Acute pulmonary oedema following an attempted suicidal hanging. Batra RK, et al. **Indian J Chest Dis Allied Sci** 1984 Oct–Dec;26(4):272–5
Attempted suicide—failed suicide or parasuicide? Diagnostic and therapeutic considerations. Fisch RZ. **Isr J Psychiatry Relat Sci** 1985;22(4):281–9
Barium sulfide poisoning. Agarwal SK, et al. **J Assoc Physicians India** 1986 Feb;34(2):151
Overdose with moclobemide [letter] Heinze G, et al. **J Clin Psychiatry** 1986 Aug;47(8):438
Amoxapine overdose [letter] Weaver KE. **J Clin Psychiatry** 1985 Dec;46(12):545
Self–poisoning: outcome and complications in the community hospital. Bouknight RR, et al. **J Fam Pract** 1986 Sep; 23(3):223–5
The evaluation and treatment of adolescent overdoses in an adolescent medical service. Schreiber TJ, et al. **J Natl Med Assoc** 1986 Feb;78(2):101–8
Suicidal casework. Assesing nurses' reactions. Hamel–Bissell BP. **J Psychosoc Nurs Ment Health Serv** 1985 Oct; 23(10):20–3
Management of attempted suicide within the psychiatric services. Storer D. **J R Soc Health** 1985 Aug;105(4):127–8
Trends in the severity of self–poisoning. McAleer JJ, et al. **J R Soc Med** 1986 Feb;79(2):74–5
Improvement of cardiac conduction after hyperventilation in tricyclic antidepressant overdose. Bessen HA, et al. **J Toxicol Clin Toxicol** 1985–86;23(7–8):537–46
Tranylcypromine and chlordiazepoxide intoxication [letter] Young S, et al. **Med J Aust** 1986 Feb 3;144(3):166–7
Attempted suicide with enalapril [letter] Lau CP. **N Engl J Med** 1986 Jul 17;315(3):197
Biological correlations of suicide and aggressivity in major depressions (with melancholia): 5–hydroxyindoleacetic acid and cortisol in cerebral spinal fluid, dexamethasone suppression test and therapeutic response to 5–hydroxytryptophan. López–Ibor JJ Jr, et al. **Neuropsychobiology** 1985;14(2):67–74
Adrenocortical function and suicidal behavior in depressive disorders. Brown RP, et al. **Psychiatry Res** 1986 Apr; 17(4):317–23
Cut–throat—a case report. Loh LE. **Singapore Med J** 1985 Dec;26(7):567–8
Parasuicides in Kuala Lumpur reasons for the attempt. Orr JW. **Singapore Med J** 1985 Jun;26(3):253–8
Transverse fracture of the upper sacrum. Suicidal jumper's fracture. Roy–Camille R, et al. **Spine** 1985 Nov; 10(9):838–45
Attempted suicide with acepromazine maleate: a case report. Clutton RE. **Vet Hum Toxicol** 1985 Oct;27(5):391
Insulin and the suicidal patient [letter] Colsky LC, et al. **West J Med** 1985 Nov;143(5):679
[Care of a patient with septicemia after attempted suicide by hanging] Liu PY. **Chung Hua Hu Li Tsa Chih** 1985 Dec;20(6):339–40 **(Chi)**
[Dexamethasone suppression test repeated after a suicide attempt] Wilmotte J, et al. **Acta Psychiatr Belg** 1986 May–Jun;86(3):242–8 (Eng. Abstr.) **(Fre)**
[Manic change after violent suicide (hanging) in 4 melancholic depressive patients] Bourgeois M, et al. **Ann Med Psychol (Paris)** 1985 Dec;143(10):975–85 **(Fre)**
[Computer–assisted study of suicide attempts] Marchais P, et al. **Ann Med Psychol (Paris)** 1985 Jul;143(7):651–61 **(Fre)**
[Suicide attempts in epileptics. Study done at the day hospital for epileptics in Créteil] Vidart L, et al. **Ann Med Psychol (Paris)** 1985 Jul;143(7):662–4 **(Fre)**
[Stunned myocardium during hanging (letter)] Allal J, et al. **Presse Med** 1986 May 31;15(22):1050 **(Fre)**
[Mortality and morbidity of suicide attempted by firearms (letter)] Herve C, et al. **Presse Med** 1985 Nov 9; 14(38):1970–1 **(Fre)**
[Brain infarct and polyradiculitis as a sequela of attempted suicide with disulfiram] Weissenborn K, et al. **Nervenarzt** 1986 Mar;57(3):159–62 **(Ger)**
[Long–term observation of a case of intravenous injection of elemental mercury] Walter E. **Radiologe** 1986 Jan; 26(1):40–6 (59 ref.) (Eng. Abstr.) **(Ger)**
[Poisoning by tricyclic antidepressants and antidotes] Weinbroum A, et al. **Harefuah** 1985 Sep;109(5–6):132–4 (Eng. Abstr.) **(Heb)**
[Peripheral neuropathy and attempted suicide] Rasi F, et al. **Riv Neurobiol** 1984 Apr–Sep;30(2–3):343–50 (Eng. Abstr.) **(Ita)**

LEGISLATION & JURISPRUDENCE

Suicide and attempted suicide: legal issues. Brown JM, et al. **Can J Psychiatry** 1986 Mar;31(2):101–3

OCCURRENCE

Social determinants of self–poisoning. Daly M, et al. **Br J Psychiatry** 1986 Apr;148:406–13
Suicide attempters presenting at an emergency department. Eaton P, et al. **Can J Psychiatry** 1985 Dec;30(8):582–5
An accident and emergency department's view of self–poisoning: a retrospective study from the United Norwich Hospitals 1978–1982. Adams RH. **Hum Toxicol** 1986 Jan;5(1):5–10
The epidemiology of attempted suicide in Haifa, Israel, during 1977–80. Eshed H, et al. **Isr J Psychiatry Relat Sci** 1984;21(3):151–61
Emotional crises imitating television [letter] **Lancet** 1986 Apr 12;1(8485):856
Emotional crises imitating television [letter] Fowler BP. **Lancet** 1986 May 3;1(8488):1036–7
Suicide attempts in adolescence: prevalence and implications [letter] Harkavy JM, et al. **N Engl J Med** 1985 Nov 14; 313(20):1290–1
Neuroendocrine differences between violent and non–violent parasuicides. Prasad AJ. **Neuropsychobiology** 1985; 13(4):157–9
Suicide and attempted suicide among children and adolescents. A transcultural study. Kitamura A. **Pediatrician** 1983–85;12(1):73–9
Self–destructive behaviour in adolescents. Schlebusch L. **S Afr Med J** 1985 Nov 23;68(11):792–5
Self poisoning. A review of patients seen in the Victoria Infirmary, Glasgow. Willox DG. **Scott Med J** 1985 Oct; 30(4):220–4
Trends in attempted suicide in Denmark, 1976–1980. Bille–Brahe U, et al. **Suicide Life Threat Behav** 1986 Spring; 16(1):46–55
The prevalence of suicidal behaviors, attitudes and associated social experiences in an urban population. Ramsay R, et al. **Suicide Life Threat Behav** 1985 Fall;15(3):151–67
[Patients admitted following attempted suicide or self–inflicted injury] Hoogendoorn D. **Ned Tijdschr Geneeskd** 1986 Mar 15;130(11):491–4 (Eng. Abstr.) **(Dut)**
[Suicidal events in Baranya County in 1984] Ozsváth K. **Orv Hetil** 1986 May 18;127(20):1179–82 (Eng. Abstr.) **(Hun)**
[Suicide attempts in adolescents] Sánchez Lacay JA, et al. **Bol Asoc Med PR** 1985 Jul;77(7):273–7 (Eng. Abstr.) **(Spa)**
[Attempted suicide among Mexican adolescents: significant clinical and sociodemographic factors] Terroba G, et al. **Salud Publica Mex** 1986 Jan–Feb;28(1):48–55 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Management of the repeatedly suicidal patient. Ennis J, et al. **Can J Psychiatry** 1985 Nov;30(7):535–8
The suicidal phone call. Neville D, et al. **J Psychosoc Nurs Ment Health Serv** 1985 Aug;23(8):14–8
Early indicators of self–destruction in childhood and adolescence: a survey of pediatricians and psychiatrists. Fine P, et al. **Pediatrics** 1986 Apr;77(4):557–68
[Suicide and suicide prevention. Could the physician do more? Results of a questionnaire of relatives of suicide attempters and suicide victims] Michel K. **Schweiz Med Wochenschr** 1986 Jun 7;116(23):770–4 (Eng. Abstr.) **(Ger)**
[Acute crisis intervention in general practice] Irniger W. **Ther Umsch** 1986 Jan;43(1):34–42 (Eng. Abstr.) **(Ger)**
[Suicide attempts. Proposal for intervention to prevent recurrences from the standpoint of clinical diagnosis] Bietti C, et al. **Minerva Psichiatr** 1985 Apr–Jun;26(2):209–14 **(Ita)**

PSYCHOLOGY

Parental representation in young women who attempt suicide. Goldney RD. **Acta Psychiatr Scand** 1985 Sep; 72(3):230–2
Suicidal behaviour in major depressive illness. Linkowski P, et al. **Acta Psychiatr Scand** 1985 Sep;72(3):233–8
Attempted suicide in Denmark. III. Assessment of repeated suicidal behaviour. Wang AG, et al. **Acta Psychiatr Scand** 1985 Oct;72(4):389–94
Suicidal communication of persons attempting suicide and responses of significant others. Wolk–Wasserman D. **Acta Psychiatr Scand** 1986 May;73(5):481–99
Suicidal adolescents: factors in evaluation. Gispert M, et al. **Adolescence** 1985 Winter;20(80):753–62
A pilot study of the effect of exposure to child abuse or neglect on adolescent suicidal behavior. Deykin EY, et al. **Am J Psychiatry** 1985 Nov;142(11):1299–303
Suicidal behavior in child psychiatric inpatients and outpatients and in nonpatients. Pfeffer CR, et al.

Am J Psychiatry 1986 Jun;143(6):733–8
Suicidal thoughts and behaviors in depressed hospitalized preschoolers. Rosenthal PA, et al. Am J Psychother 1986 Apr;40(2):201–12
Psychological management of overdose in young people. Taylor E. Arch Dis Child 1985 Sep;60(9):791–3
Multiple attempters of suicide presenting at an emergency department. Reynolds P, et al. Can J Psychiatry 1986 May; 31(4):328–30
Suicidal behavior in alcoholic males. Black DW, et al. Compr Psychiatry 1986 May–Jun;27(3):227–33
Suicidal status, depression, and intellectual functioning in preadolescent psychiatric inpatients. Weiner AS, et al. Compr Psychiatry 1986 Jul–Aug;27(4):372–80
Social, toxicological and meteorological data on suicide attempts. Breuer HW, et al. Eur Arch Psychiatry Neurol Sci 1986;235(6):367–70
Parasuicides in a general hospital psychiatric unit: their demographic and clinical characteristics. Pablo RY, et al. Gen Hosp Psychiatry 1986 Jul;8(4):279–86
Second opinions [letter] Hosp Community Psychiatry 1986 May;37(5):510–2
Considering family versus other therapies after a teenager's suicide attempt. Frances A, et al. Hosp Community Psychiatry 1985 Oct;36(10):1041–2, 1046
Suicide attempts and suicides in India: cross–cultural aspects. Adityanjee DR. Int J Soc Psychiatry 1986 Summer; 32(2):64–73
Autobiographical memory in suicide attempters. Williams JM, et al. J Abnorm Psychol 1986 May;95(2):144–9
Suicidal behavior at school: a systemic perspective. Shulman S, et al. J Adolesc 1985 Sep;8(3):263–9
Overrepresentation of epileptics in a consecutive series of suicide attempters seen at a children's hospital, 1978–1983. Brent DA. J Am Acad Child Psychiatry 1986 Mar; 25(2):242–6
The Hopelessness Scale and social desirability: more data and a contribution from the irrational beliefs test. Ellis TE. J Clin Psychol 1985 Sep;41(5):634–9
Suicidal history of defendants and offenders. Heller MS, et al. J Gen Psychol 1985 Apr;112(2):221–3
Suicide attempts. The search for meaning. Pallikkathayil L, et al. J Psychosoc Nurs Ment Health Serv 1986 Aug; 24(8):13–8
Primary men alcoholics with histories of suicide attempts. Schuckit MA. J Stud Alcohol 1986 Jan;47(1):78–81
Recent advances in suicidology. Krugley RA. New Dir Ment Health Serv 1985 Dec;(28):35–45
Depression, attempted suicide, and suicide in patients with chronic schizophrenia. Roy A. Psychiatr Clin North Am 1986 Mar;9(1):193–206 (90 ref.)
An empirical study on the "cathartic effect" of attempted suicide. van Praag H, et al. Psychiatry Res 1985 Oct; 16(2):123–30
Self–incineration: a controlled comparison of in–patient suicide attempts. Clinical features and history of self–harm. Jacobson R, et al. Psychol Med 1986 Feb;16(1):107–16
A clinical and epidemiological survey of parasuicide and suicide in Edinburgh schizophrenics. Wilkinson G, et al. Psychol Med 1984 Nov;14(4):899–912
Short–term precipitants of parasuicide in adolescents. Schlebusch L. S Afr Med J 1986 Aug 2;70(3):165–7
Attempted suicide in Denmark. II. Social integration. Bille–Brahe U, et al. Soc Psychiatry 1985;20(4):163–70
Social and clinical correlates of unemployment in two cohorts of male parasuicides. Platt SD, et al. Soc Psychiatry 1986;21(1):17–24
Incidence of near–death experiences following attempted suicide. Greyson B. Suicide Life Threat Behav 1986 Spring; 16(1):40–5
Observable and subjective factors associated with attempted suicide in later life. Lyons MJ. Suicide Life Threat Behav 1985 Fall;15(3):168–83
[Suicidal behavior among children and adolescents] Vange B. Ugeskr Laeger 1986 Jan 6;148(2):97–101 (Eng. Abstr.) (Dan)
[Motivation for attempted suicide] Aalberg V. Duodecim 1985;101(17):1720–4 (Fin)
[Factors involved in suicide attempts in children and adolescents. Apropos of 52 cases hospitalized in a general pediatric service] Zivi A. Ann Pediatr (Paris) 1986 Jun; 33(6):503–6 (Eng. Abstr.) (Fre)
[A special case of attempted double suicide] Arolt V, et al. Nervenarzt 1986 Apr;57(4):249–51 (Ger)
[Suicide attempts in children. Follow–up in picture figures] Bunge R, et al. Psychiatr Neurol Med Psychol Beih 1977; 22–23:323–8 (Eng. Abstr.) (Ger)
[Catamnestic studies of 107 patients receiving inpatient treatment 1966–1969 because of attempted suicide] Rogge J. Psychiatr Neurol Med Psychol Beih 1977;22–23:136–42 (Eng. Abstr.) (Ger)
[Description of sociodemographic and psychiatric data of 295 patients following attempted suicide by poisoning—inpatient treatment within the scope of a psychiatric liaison service at an internal medicine clinic of a large municipal hospital] Torhorst A, et al. Psychiatr Prax 1986 Mar;13(2):63–71 (Eng. Abstr.) (Ger)
[Treatment of patients following attempted suicide within the scope of a liaison service] Wächtler C, et al. Psychiatr Prax 1986 Mar;13(2):72–5 (Eng. Abstr.) (Ger)
[Suicidal tendencies in young people and family dynamics processes] Wolf M. Schweiz Arch Neurol Psychiatr 1985; 136(6):79–80 (Ger)
[The suicidal crisis—disease or life crisis] Reiner A. Verh Dtsch Ges Inn Med 1985;91:320–3 (Ger)
[Psychological studies of persons attempting suicide] Markiewicz M. Przegl Lek 1985;42(5):457–60 (Eng. Abstr.) (Pol)
[Evaluation of the degree of suicide risk by Pöldinger method] Kocur J, et al. Psychiatr Pol 1985 May–Jun; 19(3):207–11 (Eng. Abstr.) (Pol)
[The suicidal adolescent and his family. Therapeutic assessment after the genogram] Sampaio D, et al. Acta Med Port 1985 May;6(5):153–9 (Eng. Abstr.) (Por)
[Relation between the incidence of suicidal behavior and biorhythm] Enăchescu C, et al. Rev Med Interna [Neurol Psihiatr] 1985 Jul–Sep; 30(3):223–34 (Rum)
[Suicide attempts among children and adolescents (based on a study in a children and youth psychiatric sector] Sáiz CA. Actas Luso Esp Neurol Psiquiatr Cienc Afines 1985 Mar–Apr;13(2):77–82 (Eng. Abstr.) (Spa)

THERAPY

[Primary polyuric kidney failure and acute yellow liver dystrophy following infusion of glucose substitutes in children] Galaske RG, et al. Dtsch Med Wochenschr 1986 Jun 20;111(25):978–83 (Eng. Abstr.) (Ger)

SULBENICILLIN see under PENICILLIN G

SULFACETAMIDE

METABOLISM

Influence of drug vehicle on ocular contact time of sulfacetamide sodium. Hanna C, et al. Ann Ophthalmol 1985 Sep;17(9):560–4
Carbamylation of proteins and sulfacetamide free fraction in serum in experimentally–induced high blood urea states. Erill S, et al. Res Commun Chem Pathol Pharmacol 1985 Oct;50(1):45–56

THERAPEUTIC USE

Trimethoprim–polymyxin B ophthalmic solution in treatment of surface ocular bacterial infections. Nozik RA, et al. Ann Ophthalmol 1985 Dec;17(12):746–8

SULFACHLORPYRIDAZINE see under SULFANILAMIDES

SULFADIAZINE

ADMINISTRATION & DOSAGE

[Sulfadiazine: release from microcapsules] Cameroni R, et al. Boll Chim Farm 1985 Sep;124(9):393–400 (Eng. Abstr.) (Ita)

ADVERSE EFFECTS

Prospective study of side effects associated with the use of silver sulfadiazine in severely burned patients. Kulick MI, et al. Ann Plast Surg 1985 May;14(5):407–19
Adverse reaction to sulphonamides in a burned patient—a case report. Sawada Y. Burns Incl Therm Inj 1985 Dec; 12(2):127–31
Topical silver sulphadiazine and profound neutropenia in a burned child. Wilson P, et al. Burns Incl Therm Inj 1986 Apr;12(4):295–6

ANALYSIS

[Physico–chemical study of sulfamides: sulfadiazine, sulfadimethoxine and sulfamerazine] Maury L, et al. Farmaco [Prat] 1986 Jan;41(1):26–35 (Eng. Abstr.) (Fre)

METABOLISM

Metabolism of sulfadiazine in neonatal and young pigs. Comparative in vivo and in vitro studies. Nielsen P, et al. Biochem Pharmacol 1986 Aug 1;35(15):2509–12
Age–related alterations in trimethoprim–sulfadiazine disposition following oral or parenteral administration in calves. Guard CL, et al. Can J Vet Res 1986 Jul;50(3):342–6
Pharmacokinetics of oral co–trimazine and the penetration of its components sulfadiazine and trimethoprim into peripheral human lymph. Bergan T, et al. Chemotherapy 1986;32(3):209–21
Comparative pharmacokinetic study of four different sulfonamides in combination with trimethoprim in human volunteers. Garg SK, et al. Int J Clin Pharmacol Ther Toxicol 1986 Jan;24(1):23–5
[Estimation of residual rate and apparent half–life time of drugs using the method of acute mortality of animals] He MS, et al. Chung Kuo Yao Li Hsueh Pao 1985 Sep; 6(3):213–6 (Eng. Abstr.) (Chi)
[Inhibitor and bactericidal activity of the serum and urine of subjects treated with trimethoprim, sulfadiazine and with a combination of the 2 drugs, cotrimazine] Concia E, et al. G Ital Chemioter 1985 Jan–Apr;32(1):217–24 (Eng. Abstr.) (Ita)

PHARMACODYNAMICS

The comparative activity of twelve 4–quinolone antimicrobials and sulphadiazine against Neisseria meningitidis. Felmingham D, et al. Drugs Exp Clin Res 1985;11(7):427–9
The meningococcus: a twenty–year perspective. Feldman HA. Rev Infect Dis 1986 Mar–Apr;8(2):288–94
[Synergic effects of gossypol acetate and sulphadiazine on the LDH–x activity and viability of human sperm] Zhang SF, et al. Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao 1985 Jun; 7(3):229–31 (Eng. Abstr.) (Chi)
[In vitro antibacterial activity of the trimethoprim/sulfadiazine combination] Russo G, et al. G Ital Chemioter 1985 Jan–Apr;32(1):211–5 (Ita)

THERAPEUTIC USE

Polyurethane and silver sulfadiazene dressings in treatment of partial–thickness burns and abrasions. Stair TO, et al. Am J Emerg Med 1986 May;4(3):214–7
Drug–loaded synthetic dressings: effect on contraction, epithelialization, and collagen synthesis of deep second–degree experimental burns. Kaufman T, et al. Ann Plast Surg 1985 May;14(5):420–7
Paracoccidioidomycosis case report: cure with amphotericin B and triple sulfa. Washburn RG, et al. J Med Vet Mycol 1986 Jun;24(3):235–7
Efficacy of silver sulfadiazine in the treatment of prosthetic arterial bypass graft infection. McDaniel MD, et al. Surg Gynecol Obstet 1986 Feb;162(2):169–73
Streptococcal meningitis in pigs: field trial to compare the effects of two different treatments. Guise HJ, et al. Vet Rec 1985 Jul 20;117(3):65–6
[Tetroxoprim–sulphadiazine in the treatment of typhoid fever (letter)] Sánchez Sevillano A, et al. Med Clin (Barc) 1985 Nov 9;85(15):642 (Spa)

TOXICITY

In vitro evaluation of a toxic metabolite of sulfadiazine. Shear NH, et al. Can J Physiol Pharmacol 1985 Nov; 63(11):1370–2

SULFADIMETHOXINE

ANALYSIS

[Physico–chemical study of sulfamides: sulfadiazine, sulfadimethoxine and sulfamerazine] Maury L, et al. Farmaco [Prat] 1986 Jan;41(1):26–35 (Eng. Abstr.) (Fre)

BLOOD

Accumulation rate in the whole blood of market turkeys fed prophylactic and therapeutic levels of sulfadimethoxine. Hakimi AY, et al. Poult Sci 1986 Jul;65(7):1275–7
An on–farm method for determination of sulfonamide drug residues in turkeys. 1. An agar–diffusion analysis for sulfadimethoxine in whole blood. Murphy ML, et al. Poult Sci 1986 Jul;65(7):1281–6
[In vivo and in vitro serum protein binding of sulfonamides in rabbits] Imamura Y, et al. Yakugaku Zasshi 1985 Dec; 105(12):1188–91 (Eng. Abstr.) (Jpn)

METABOLISM

Mechanisms of nonlinear pharmacokinetics of sulfadimethoxine in cocks. Takahashi Y. Nippon Juigaku Zasshi 1986 Feb;48(1):105–9

PHARMACODYNAMICS

Displacing effects of chenodeoxycholic acid, ursodeoxycholic acid and sulfadimethoxine on plasma protein binding of tolbutamide. Goto S, et al. J Pharmacobiodyn 1985 Jun;8(6):440–7

THERAPEUTIC USE

Prevention of coccidiosis in domestic dogs and captive coyotes (Canis latrans) with sulfadimethoxine–ormetoprim combination. Dunbar MR, et al. Am J Vet Res 1985 Sep; 46(9):1899–902
[Effect of combined antibacterial and glucocorticoid therapy on cytochemical properties of leukocytes in acute pneumonia] Kliachkin LM, et al. Klin Med (Mosk) 1986 Mar;64(3):33–5 (Rus)

SULFADIMIDINE see SULFAMETHAZINE

SULFADOXINE see under SULFANILAMIDES

SULFAETHIDOLE see under SULFATHIAZOLES

SULFAFURAZOLE see SULFISOXAZOLE

SULFAGUANIDINE see under GUANIDINES

SULFALENE see under SULFANILAMIDES

SULFAMERAZINE

ANALYSIS

[Physico–chemical study of sulfamides: sulfadiazine, sulfadimethoxine and sulfamerazine] Maury L, et al. Farmaco [Prat] 1986 Jan;41(1):26–35 (Eng. Abstr.) (Fre)

METABOLISM

The biliary elimination of sulfamerazin in rat and man--a comparison. Gramatté T, et al. **Arch Toxicol [Suppl]** 1985; 8:348–50

PHARMACODYNAMICS

Reversal of sulfamerazine inhibition of rat hepatic uroporphyrinogen synthesis by folic acid. Christenson WR, et al. **Life Sci** 1986 May 5;38(18):1679–84

THERAPEUTIC USE

Paracoccidioidomycosis case report: cure with amphotericin B and triple sulfa. Washburn RG, et al.
J Med Vet Mycol 1986 Jun;24(3):235–7

SULFAMETER see under **SULFANILAMIDES**

SULFAMETHAZINE

ADVERSE EFFECTS

Serious interaction between cyclosporin A and sulphadimidine. Jones DK, et al. **Br Med J [Clin Res]** 1986 Mar 15;292(6522):728–9

ANALOGS & DERIVATIVES

Age and dosage dependency in the plasma disposition and the renal clearance of sulfamethazine and its N4-acetyl and hydroxy metabolites in calves and cows. Nouws JF, et al. **Am J Vet Res** 1986 Mar;47(3):642–9

Pharmacokinetics, renal clearance, tissue distribution, and residue aspects of sulphadimidine and its N4-acetyl metabolite in pigs. Nouws JF, et al. **Vet Q** 1986 Apr; 8(2):123–35

Dose dependent disposition of sulphadimidine and of its N4-acetyl and hydroxy metabolites in plasma and milk of dairy cows. Nouws JF, et al. **Vet Q** 1985 Jul;7(3):177–86

ANALYSIS

Identification and quantitation of sulfamethazine metabolites by liquid chromatography and gas chromatography-mass spectrometry. Paulson GD, et al.
J Assoc Off Anal Chem 1985 Sep-Oct;68(5):1000–6

Determination of oxytetracycline, sulphamethazine and sulphamethoxypyridazine in feed premixes. Torel J, et al. **J Chromatogr** 1985 Aug 23;330(2):425–8

A rapid sample preparation method for the determination of sulfamethazine in swine tissues by high-performance liquid chromatography. Haagsma N, et al.
Z Lebensm Unters Forsch 1985 Sep;181(3):194–7

BLOOD

Use of high-performance liquid chromatography in the measurement of in vitro acetylation in man. Baty JD, et al. **J Chromatogr** 1986 Feb 26;353:329–37

Disposition of sulfadimidine and its N4-acetyl and hydroxy metabolites in horse plasma. Nouws JF, et al.
J Vet Pharmacol Ther 1985 Sep;8(3):303–11

METABOLISM

Age and dosage dependency in the plasma disposition and the renal clearance of sulfamethazine and its N4-acetyl and hydroxy metabolites in calves and cows. Nouws JF, et al. **Am J Vet Res** 1986 Mar;47(3):642–9

N-acetylation pharmacogenetics. Michaelis-Menten constants for arylamine drugs as predictors of their N-acetylation rates in vivo. Andres HH, et al.
Drug Metab Dispos 1986 Jul-Aug;14(4):382–5

Steady state kinetics of 14C-sulfamethazine [4-amino-N-(4,6-dimethyl-2-pyrimidinyl)benzene[U-14C]sulfonamide] metabolism in swine. Mitchell AD, et al. **Drug Metab Dispos** 1986 Mar-Apr;14(2):155–60

Depletion kinetics of 14C-sulfamethazine [4-amino-N-(4, 6-dimethyl-2-pyrimidinyl)benzene[U-14C]sulfonamide] metabolism in swine. Mitchell AD, et al.
Drug Metab Dispos 1986 Mar-Apr;14(2):161–5

Effect of concomitant isoniazid administration on determination of acetylator phenotype by sulphadimidine. Zysset T, et al. **Eur J Clin Pharmacol** 1986;30(4):463–6

Comparative pharmacokinetic study of four different sulfonamides in combination with trimethoprim in human volunteers. Garg SK, et al.
Int J Clin Pharmacol Ther Toxicol 1986 Jan;24(1):23–5

Effect of exercise on plasma levels and urinary excretion of sulphadimidine and procainamide. Ylitalo P, et al.
Int J Clin Pharmacol Ther Toxicol 1985 Oct;23(10):548–53

The relationship between the acetylator and the sparteine hydroxylation polymorphisms. Harmer D, et al.
J Med Genet 1986 Apr;23(2):155–6

Effect of tick-borne fever on the disposition of sulphadimidine and its metabolites in plasma of goats. Nouws JF, et al. **Res Vet Sci** 1986 May;40(3):377–81

Pharmacokinetics, renal clearance, tissue distribution, and residue aspects of sulphadimidine and its N4-acetyl metabolite in pigs. Nouws JF, et al. **Vet Q** 1986 Apr; 8(2):123–35

Dose dependent disposition of sulphadimidine and of its N4-acetyl and hydroxy metabolites in plasma and milk of dairy cows. Nouws JF, et al. **Vet Q** 1985 Jul;7(3):177–86

The effect of dietary nitrite and nitrate on the metabolism of sulphamethazine in the rat. Paulson GD. **Xenobiotica** 1986 Jan;16(1):53–61

[Phenotyping in the process of acetylation in man] Sitnikova AM, et al. **Fiziol Cheloveka** 1985 Sep-Oct;11(5):856–8 **(Rus)**

[Study of the acetylator phenotype in Andalusia] Saucedo Sánchez R, et al. **Rev Clin Esp** 1985 Jun;177(2):75–7 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Paracoccidioidomycosis case report: cure with amphotericin B and triple sulfa. Washburn RG, et al.
J Med Vet Mycol 1986 Jun;24(3):235–7

Schistosoma haematobium: effect of non-schistosomicidal drugs (tetracycline and sulphadimidine) on schoolchildren. Nkya WM, et al. **Trans R Soc Trop Med Hyg** 1986; 80(1):25–8

SULFAMETHIZOLE see under **SULFATHIAZOLES**

SULFAMETHOXAZOLE

[Use of a sulfamethoxazole-beta-cyclodextrin complex in suppositories] Tóth K, et al. **Acta Pharm Hung** 1986 May; 56(3):133–7 (Eng. Abstr.) **(Hun)**

ADMINISTRATION & DOSAGE

Dissolution of staghorn calculus associated with amiloride-hydrochlorothiazide, sulfamethoxazole and trimethoprim, and ascorbic acid. Gaker LB, et al.
J Urol 1986 May;135(5):993–4

[A case of Pneumocystis carinii pneumonia successfully treated with co-trimoxazole and pentamidine for intravenous injection] Hibino J, et al.
Kansenshogaku Zasshi 1985 May;59(5):500–6 (Eng. Abstr.) **(Jpn)**

[Treatment of acute cystitis in women. Single-dose versus a 3-day and 10-day therapeutic regimen with with trimethoprim-sulfamethoxazole] Gossius G, et al.
Tidsskr Nor Laegeforen 1986 Jun 10;106(16):1395–8 (Eng. Abstr.) **(Nor)**

[Therapeutic activity of Oriprim in bronchopulmonary diseases] Zamotaev IP, et al. **Ter Arkh** 1986;58(4):128–30 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Acute pancreatitis associated with trimethoprim-sulfamethoxazole. Antonow DR.
Ann Intern Med 1986 Mar;104(3):363–5

Dapsone, trimethoprim-sulfamethoxazole, and the acquired immunodeficiency syndrome [letter] Edelson PJ, et al.
Ann Intern Med 1985 Dec;103(6 (Pt 1)):963

Intravenous trimethoprim-sulfamethoxazole and ataxia [letter] Liu LX, et al. **Ann Intern Med** 1986 Mar;104(3):448

Sulfamethoxazole-phenazopyridine and thrombocytopenia [letter] Wilde JT, et al. **Ann Intern Med** 1986 Jan; 104(1):128–9

Adverse reaction to sulphonamides in a burned patient--a case report. Sawada Y. **Burns Incl Therm Inj** 1985 Dec; 12(2):127–31

Postantibiotic fever, jaundice, dysuria. Karim AH, et al.
Hosp Pract [Off] 1986 Mar 15;21(3):148, 150

Rapid onset of co-trimoxazole induced interstitial nephritis. Chandra M, et al. **Int J Pediatr Nephrol** 1985 Oct-Dec; 6(4):289–92

Hepatic toxicity associated with trimethoprim-sulfamethoxazole: report of a case. Bartlett JC, et al. **J Am Osteopath Assoc** 1985 Jun;85(6):381–2

Acute psychosis in a patient receiving trimethoprim-sulfamethoxazole intravenously. Mermel LA, et al. **J Clin Psychiatry** 1986 May;47(5):269–70

Aseptic meningitis due to trimethoprim-sulfamethoxazole [letter] Biosca M, et al. **J Neurol Neurosurg Psychiatry** 1986 Mar;49(3):332–3

Methotrexate toxicity in a patient receiving trimethoprim-sulfamethoxazole. Thomas MH, et al.
J Rheumatol 1986 Apr;13(2):440–1

Pseudomembranous colitis following low dose trimethoprim-sulfamethoxazole. Ruff D, et al. **J Urol** 1985 Dec;134(6):1218–9

Co-trimoxazole resistance [editorial] **Lancet** 1986 Feb 15; 1(8477):364

Co-trimoxazole in AIDS [letter] Gaylarde PM, et al.
Lancet 1986 May 24;1(8491):1218

Drug-induced hepatitis and lymphocyte transformation test in presence of prostaglandin inhibitor [letter] Victorino RM, et al. **Lancet** 1986 May 24;1(8491):1209–10

Neutropenia induced by short-term oral trimethoprim-sulfamethoxazole therapy; case report. Harris GJ, et al. **Wis Med J** 1986 Mar;85(3):19–21

[Pancytopenia and Salmonella infantis infection] Uppenkamp M, et al. **Internist (Berlin)** 1986 Feb;27(2):118–23 **(Ger)**

[Cholestasis caused by co-trimoxazole. Presentation of a new patient and review of the literature] Acero D, et al.
Rev Esp Enferm Apar Dig 1985 Aug;68(2):169–73 (Eng. Abstr.) **(Spa)**

ANALOGS & DERIVATIVES

Pharmacokinetics, metabolism and renal excretion of sulfatroxazole and its 5-hydroxy- and N4-acetyl-metabolites in man. Vree TB, et al.
Biopharm Drug Dispos 1986 May-Jun;7(3):239–52

Sulfatroxazole: pharmacokinetics, metabolism and urinary excretion in goats and pigs. Kinabo LD, et al.
J Vet Pharmacol Ther 1986 Mar;9(1):55–62

ANALYSIS

Penetration of trimethoprim and sulfamethoxazole into cysts in a patient with autosomal-dominant polycystic kidney disease. Schwab SJ, et al. **Am J Kidney Dis** 1986 May; 7(5):434–8

Assessment of antimicrobial penetrance into the pancreatic juice in humans. Wallace JR, et al.
Surg Gynecol Obstet 1986 Apr;162(4):313–6

ANTAGONISTS & INHIBITORS

Reversal of the in vitro susceptibility of enterococci to trimethoprim-sulfamethoxazole by folinic acid. Zervos MJ, et al. **Antimicrob Agents Chemother** 1985 Sep;28(3):446–8

BLOOD

Distribution of trimethoprim and sulphamethoxazole in blood during treatment with co-trimoxazole. Nowak A, et al.
Eur J Clin Pharmacol 1985;29(2):231–4

Serum trimethoprim and sulphamethoxazole levels in AIDS [letter] Bowden FJ, et al. **Lancet** 1986 Apr 12;1(8485):853

Pharmacokinetics of sulfamethoxazole and trimethoprim association in hens. Queralt J, et al. **Poult Sci** 1985 Dec; 64(12):2362–7

[In vivo and in vitro serum protein binding of sulfonamides in rabbits] Imamura Y, et al. **Yakugaku Zasshi** 1985 Dec; 105(12):1188–91 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Co-trimoxazole desensitization in bone marrow transplantation [letter] Hughes TE, et al.
Ann Intern Med 1986 Jul;105(1):148

METABOLISM

Pharmacokinetics of the trimethoprim-sulphamethoxazole combination in the elderly. Varoquaux O, et al.
Br J Clin Pharmacol 1985 Dec;20(6):575–81

Comparative pharmacokinetic study of four different sulfonamides in combination with trimethoprim in human volunteers. Garg SK, et al.
Int J Clin Pharmacol Ther Toxicol 1986 Jan;24(1):23–5

[Pharmacokinetics of the combined preparation trimezole--Farmakhim. II. Comparative pharmacokinetic studies of trimezole and biseptol in healthy volunteers] Mikhallova D, et al. **Eksp Med Merfol** 1986;25(1):13–20 (Eng. Abstr.) **(Rus)**

[Absorption characteristics of sulfamethoxazole combined with trimethoprim] Cid E, et al. **Rev Med Chil** 1985 Jul; 113(7):673–7 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Studies of the effects of trimethoprim and sulfamethoxazole on human granulopoiesis. Bjornson BH, et al.
Am J Hematol 1986 Sep;23(1):1–7

In vitro and in vivo efficacy of the combination trimethoprim-sulfamethoxazole against clinical isolates of methicillin-resistant Staphylococcus aureus. Elwell LP, et al. **Antimicrob Agents Chemother** 1986 Jun;29(6):1092–4

Emergence of sulfamethoxazole-trimethoprim resistant Shigella flexneri in Northeastern Brazil. Tiemens KM, et al. **Arq Gastroenterol** 1985 Oct-Dec;22(4):162–5

Cotrimoxazole as an inhibitor of oxidative drug metabolism: effects of trimethoprim and sulphamethoxazole separately and combined on tolbutamide disposition. Wing LM, et al. **Br J Clin Pharmacol** 1985 Nov;20(5):482–5

The effect of cotrimoxazole on the absorption of orally administered 6-mercaptopurine in the rat. Burton NK, et al. **Cancer Chemother Pharmacol** 1986;16(1):83–4

Susceptibility of obligate anaerobes to trimethoprim-sulfamethoxazole. Indiveri MC, et al.
J Am Vet Med Assoc 1986 Jan 1;188(1):46–8

An in-vitro study of oral therapeutic doses of co-trimoxazole and erythromycin stearate on abnormal polymorphonuclear leucocyte migration. Ras GJ, et al.
J Antimicrob Chemother 1986 Feb;17(2):185–93

Spurious sulfamethoxazole-trimethoprim resistance of Salmonella typhi. Escamilla J, et al. **J Clin Microbiol** 1986 Jan;23(1):205–6

In vitro susceptibility of Pseudomonas species to carbenicillin and trimethoprim-sulfamethoxazole. Hill SF, et al.
J Clin Microbiol 1985 Sep;22(3):465–6

The changing pattern of resistance to ampicillin and co-trimoxazole in Shigella serotypes in Bangalore, southern India [letter] Macaden R, et al. **J Infect Dis** 1985 Dec; 152(6):1348

Influence of trimethoprim and sulfamethoxazole on the synthesis, expression, and function of type 1 fimbriae of Escherichia coli. Schifferli DM, et al. **J Infect Dis** 1986 Sep;154(3):490–6

Lack of influence of co-trimoxazole on theophylline pharmacokinetics. Jonkman JH, et al. **J Pharm Sci** 1985 Oct;74(10):1103–4

Co-trimoxazole resistance in Jamaica [letter] Macfarlane DE.
Lancet 1986 Apr 19;1(8486):923

[Antibiotic resistance of Escherichia coli. Importance of the

resistance to trimethoprim–sulfamethoxazole] Riou B, et al. **Ann Med Interne (Paris)** 1985;136(5):412–5 (Eng. Abstr.) **(Fre)**

[Effect of Biseptol on the state of gastric mucosa in the white rat under experimental conditions (after excision of one lobe of the liver or one kidney)] Czerny K, et al. **Gegenbaurs Morphol Jahrb** 1986;132(2):291–7 (Eng. Abstr.) **(Ger)**

[Behavior of selected oxidoreductases in histochemical and electro- phoretic studies of the rat kidney after administration of Biseptol 480 (co–trimoxazole)] Kifer ET, et al. **Gegenbaurs Morphol Jahrb** 1985;131(4):525–35 (Eng. Abstr.) **(Ger)**

[Histochemical and electrophoretic determination of a selected element of the rat myocardium metabolism as exemplified by lactate dehydrogenase (LDH/E.C.1.1.1.27/) following administration of the preparation Biseptol 480 (co–trimoxazole)] Matysiak WJ, et al. **Gegenbaurs Morphol Jahrb** 1985;131(3):337–46 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Prophylactic use of gentamicin, cotrimoxazole, and cephalosporins in 10 hospitals in Czechoslovakia. Grunt J, et al. **Am J Hosp Pharm** 1986 Jan;43(1):141–3

Single–dose trimethoprim–sulfamethoxazole prophylaxis for cesarean section. Ganesh V, et al. **Am J Obstet Gynecol** 1986 May;154(5):1113–4

Trimethoprim–sulfamethoxazole or pentamidine for Pneumocystis pneumonia in the acquired immunodeficiency syndrome [letter] **Ann Intern Med** 1986 Oct;105(4):629–30

Trimethoprim–sulfamethoxazole or pentamidine for Pneumocystis carinii pneumonia in the acquired immunodeficiency syndrome. A prospective randomized trial. Wharton JM, et al. **Ann Intern Med** 1986 Jul; 105(1):37–44

Brucellar arthritis in children and its successful treatment with trimethoprim–sulphamethoxazole (co–trimoxazole). Gómez–Reino FJ, et al. **Ann Rheum Dis** 1986 Mar; 45(3):256–8

Effect of folinic acid on the capacity of trimethoprim–sulfamethoxazole to prevent and treat Pneumocystis carinii pneumonia in rats. D'Antonio RG, et al. **Antimicrob Agents Chemother** 1986 Feb;29(2):327–9

Role of a novel antidiarrheal agent, BW942C, alone or in combination with trimethoprim–sulfamethoxazole in the treatment of traveler's diarrhea. Ericsson CD, et al. **Antimicrob Agents Chemother** 1986 Jun;29(6):1040–6

Randomized comparative study of amoxicillin–clavulanic acid and co–trimoxazole in the treatment of acute urinary tract infections in adults. Karachalios GN. **Antimicrob Agents Chemother** 1985 Nov;28(5):693–4

Antimicrobial therapy of experimental Legionella micdadei pneumonia in guinea pigs. Pasculle AW, et al. **Antimicrob Agents Chemother** 1985 Dec;28(6):730–4

Single–dose antibiotic therapy for urinary tract infections and type II error [letter] Jordan NS. **Arch Intern Med** 1986 Feb;146(2):413–4

Changing role of co–trimoxazole in the treatment of recurrent urinary infections: a comparison with augmentin. Brumfitt W, et al. **Br J Clin Pract** 1985 Sep;39(9):346–51

Further data on augmentin and co–trimoxazole in the treatment of urinary tract infection. Matts SG, et al. **Br J Clin Pract** 1985 May;39(5):179–84

Study of sulphamethoxazole in rheumatoid arthritis. Ash G, et al. **Br J Rheumatol** 1986 Aug;25(3):285–7

Prophylactic single–dose co–trimoxazole for prevention of urinary tract infection after abdominal hysterectomy. Jaffe R, et al. **Chemotherapy** 1985;31(6):476–9

Murine model for therapy of listeriosis in the compromised host. IV. Cotrimoxazole. Kawaler B, et al. **Chemotherapy** 1985;31(5):366–71

A multi–centre general practice clinical evaluation of pivmecillinam plus pivampicillin ('Miraxid') and co–trimoxazole ('Septrin') in respiratory tract infections. Wallace RB, et al. **Curr Med Res Opin** 1985;9(10):659–65

Prurigo pigmentosa: a possible mechanism of action of sulfonamides. Miyachi Y, et al. **Dermatologica** 1986; 172(2):82–8

Successful treatment of nocardial thigh abscess and possible brain abscess with co–trimoxazole [letter] Fernández–Guerrero ML, et al. **Eur J Clin Microbiol** 1985 Aug;4(4):430–1

Efficacy of oral treatment with acyclovir and co–trimoxazole in first episode genital herpes. Kinghorn GR, et al. **Genitourin Med** 1986 Feb;62(1):33–7

A double–blind comparative study of trimethoprim versus trimethoprim–sulphamethaxazole combination in pneumonia. Kulpati DD, et al. **Indian J Chest Dis Allied Sci** 1984 Oct–Dec;26(4):225–9

An assessment of amoxycillin versus co–trimoxazole in respiratory tract infections. Sharma NG. **Indian J Chest Dis Allied Sci** 1984 Oct–Dec;26(4):230–3

Norfloxacin versus trimethoprim–sulphamethoxazole: efficacy in a model of ascending urinary tract infection in normal and streptozotocin–induced diabetic mice. Fromtling RA, et al. **J Antimicrob Chemother** 1985 Dec; 16(6):735–41

Treatment of urinary tract infections [letter] Dunlay J. **J Fam Pract** 1986 Apr;22(4):322, 324

Comparative trial of co–trimoxazole versus tetracycline–streptomycin in treating human brucellosis [letter] Ariza J, et al. **J Infect Dis** 1985 Dec;152(6):1358–9

Randomized study of single–dose, three–day, and seven–day treatment of cystitis in women. Greenberg RN, et al. **J Infect Dis** 1986 Feb;153(2):277–82

Comparative study of ceftriaxone and trimethoprim–sulfamethoxazole for the treatment of chancroid in Thailand. Taylor DN, et al. **J Infect Dis** 1985 Nov;152(5):1002–6

Clinical manifestations and therapy of Isospora belli infection in patients with the acquired immunodeficiency syndrome. DeHovitz JA, et al. **N Engl J Med** 1986 Jul 10;315(2):87–90

Successful therapy of penicillinase–producing Neisseria gonorrhoeae pharyngeal infection during pregnancy. Soper DE, et al. **Obstet Gynecol** 1986 Aug;68(2):290–1

Trimethoprim–sulfamethoxazole treatment of cholangitis complicating congenital hepatic fibrosis. Sánchez C, et al. **Pediatr Infect Dis** 1986 May–Jun;5(3):360–3

Oral trimethoprim/sulfamethoxazole for prevention of bacterial infection during the induction phase of cancer chemotherapy in children. Kovatch AL, et al. **Pediatrics** 1985 Nov;76(5):754–60

Intravenous sulfamethoxazole–trimethoprim: pharmacokinetics, therapeutic indications, and adverse reactions. Gleckman R, et al. **Pharmacotherapy** 1981 Nov–Dec;1(3):206–11

Treatment of Listeria monocytogenes infection with trimethoprim–sulfamethoxazole: case report and review of the literature. Spitzer PG, et al. **Rev Infect Dis** 1986 May–Jun;8(3):427–30 (25 ref.)

Hydrogen (H2) breath test and gastric bacteria in acid–secreting subjects and in achlorhydric and postgastrectomy patients before and after antimicrobial treatment. Armbrecht U, et al. **Scand J Gastroenterol** 1985 Sep;20(7):805–13

Significance of the sulfonamide component for the clinical efficacy of trimethoprim–sulfonamide combinations. Burman LG. **Scand J Infect Dis** 1986;18(2):89–99 (59 ref.)

[High–dosage cotrimoxazole therapy of disseminated Nocardia brasiliensis infection] Spehn J, et al. **Dtsch Med Wochenschr** 1986 Feb 7;111(6):215–8 (Eng. Abstr.) **(Ger)**

[Ofloxacin versus pipemidic acid and co–trimoxazole] Wittenberger R. **Infection** 1986;14 Suppl 1:S93–6 (Eng. Abstr.) **(Ger)**

[Psoriasis in AIDS—remission with high dosage co–trimoxazole therapy] Rasokat H. **Z Hautkr** 1986 Jul 15;61(14):991 **(Ger)**

[Kidney function and bacteriological and histological research in the therapy of experimental E. coli pyelonephritis using trimethoprim–sulfamethoxazole (TMP–SMO)] Hagemann I, et al. **Z Urol Nephrol** 1985 Dec; 78(12):681–8 (Eng. Abstr.) **(Ger)**

[Comparative study of the local and systemic use of sulfamethoxazole–trimethoprim in transrectal biopsy of the prostate] Ferreira U, et al. **Arch Esp Urol** 1985 May–Jun; 38(3):301–4 (Eng. Abstr.) **(Spa)**

[Mycetomas with pulmonary dissemination] Welsh Lozano O, et al. **Med Cutan Ibero Lat Am** 1985;13(6):517–23 (Eng. Abstr.) **(Spa)**

[Comparative study of the activity of trimethoprim–sulfamethopyrazine and nitrofurantoin in urinary infections of children] González E, et al. **Rev Chil Pediatr** 1985 Sep–Oct;56(5):341–4 (Eng. Abstr.) **(Spa)**

[Treatment of osteoarticular brucellosis with trimethoprim–sulfamethoxazole. Evaluation of 18 cases] Padrino JM, et al. **Rev Clin Esp** 1986 Feb;178(2):51–3 (Eng. Abstr.) **(Spa)**

TOXICITY

[Effect of biseptol on the adrenal ocrtex of the white rat in postoperative shock] Czerny K, et al. **Gegenbaurs Morphol Jahrb** 1986;132(1):111–27 (Eng. Abstr.) **(Ger)**

SULFAMETHOXYPYRIDAZINE

ANALYSIS

Determination of oxytetracycline, sulphamethazine and sulphamethoxypyridazine in feed premixes. Torel J, et al. **J Chromatogr** 1985 Aug 23;330(2):425–8

SULFAMETHYLISOXAZOLE see **SULFAMETHOXAZOLE**

SULFAMONOMETHOXINE see under **SULFANILAMIDES**

SULFAMOXOLE

ADMINISTRATION & DOSAGE

Trimethoprim sulphamoxole in the treatment of chancroid. Comparison of two single dose treatment regimens with a five day regimen. Dylewski J, et al. **J Antimicrob Chemother** 1985 Jul;16(1):103–9

METABOLISM

Comparative pharmacokinetic study of four different sulfonamides in combination with trimethoprim in human volunteers. Garg SK, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Jan;24(1):23–5

SULFAMYL DIURETICS see **DIURETICS, SULFAMYL**

SULFANILAMIDES

Formation of triazene from sulphonamide and nitrite in acidic solution. Haraguchi K, et al. **Food Chem Toxicol** 1986 Apr; 24(4):299–303

Identification of a novel side–product formed during the methylation of sulphapyridine prior to gas chromatographic analysis. Gilbert J, et al. **J Chromatogr** 1986 Mar 28;356(1):206–11

ADMINISTRATION & DOSAGE

Prospective double–blind trial of two different doses of mefloquine plus pyrimethamine–sulfadoxine compared with pyrimethamine–sulfadoxine alone in the treatment of falciparum malaria. Botero D, et al. **Bull WHO** 1985; 63(4):731–7

Hand protection for car–painters. Jepsen JR, et al. **Contact Dermatitis** 1985 Nov;13(5):317–20

Plasmodium falciparum resistant to mefloquine plus sulfadoxine/pyrimethamine [letter] Heizmann P, et al. **Lancet** 1986 Feb 15;1(8477):377

RII and RIII type resistance of Plasmodium falciparum to combination of mefloquine and sulfadoxine/pyrimethamine in Indonesia. Hoffman SL, et al. **Lancet** 1985 Nov 9; 2(8463):1039–40

[Production of tablets with a sulfamide and cassava starch base. Technology, pharmacologic controls and in vitro availability of the active principle] Siregar C, et al. **Farmaco [Prat]** 1986 Jun;41(6):197–209 (Eng. Abstr.) **(Fre)**

[Effect of sulfaquinoxaline and diaveridine on leucocytozoon infection in chickens] Tanabe A, et al. **Nippon Yakurigaku Zasshi** 1985 Dec;86(6):411–5 (Eng. Abstr.) **(Jpn)**

[Effectiveness and tolerance of a quinine and fansidar combination in the treatment of tropical malaria in the South of the Socialist Republic of Vietnam] An' ChK, et al. **Med Parazitol (Mosk)** 1985 Jul–Aug;(4):19–24 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Severe cutaneous reactions among American travelers using pyrimethamine–sulfadoxine (Fansidar) for malaria prophylaxis. Miller KD, et al. **Am J Trop Med Hyg** 1986 May;35(3):451–8

Fansidar for malaria prophylaxis [letter] Kissane D. **Aust Fam Physician** 1985 Aug;14(8):738

Erythroderma resembling sézary syndrome after treatment with Fansidar and chloroquine. Langtry JA, et al. **Br Med J [Clin Res]** 1986 Apr 26;292(6528):1107–8

Boxed warning added to Fansidar labeling. **FDA Drug Bull** 1985 Aug;15(2):21

Adverse reactions to Fansidar [letter] Kollisch DO. **J Fam Pract** 1986 Sep;23(3):202–4

Systemic reaction to pyrimethamine–sulfadoxine. Murphy RL, et al. **J Fam Pract** 1986 Apr;22(4):375–6

Fatal Stevens–Johnson syndrome associated with Fansidar and chloroquine. Bamber MG, et al. **J Infect** 1986 Jul; 13(1):31–3

Stevens–Johnson syndrome after mass prophylaxis with sulfadoxine for cholera in Mozambique [letter] Hernborg A. **Lancet** 1985 Nov 9;2(8463):1072–3

Does chloroquine contribute to the risk of serious adverse reactions to fansidar? [letter] Rombo L, et al. **Lancet** 1985 Dec 7;2(8467):1298–9

Severe cutaneous adverse reactions to sulfadoxine–pyrimethamine in Switzerland [letter] Steffen R, et al. **Lancet** 1986 Mar 15;1(8481):610

Liver damage associated with fansidar [letter] Wejstal R, et al. **Lancet** 1986 Apr 12;1(8485):854–5

[Eosinophilic lung infiltration during malaria prophylaxis with pyrimethamine–sulfadoxine (Fansidar)] Buser P, et al. **Schweiz Med Wochenschr** 1985 Aug 24;115(34):1174–6 (Eng. Abstr.) **(Ger)**

[The reliability and side effects of malaria chemoprophylaxis] Steffen R, et al. **Schweiz Rundsch Med Prax** 1986 Apr 15; 75(16):446–8 (Eng. Abstr.) **(Ger)**

[Malaria prevention with Fansidar as a cause of Stevens–Johnson syndrome] Claréus BW, et al. **Lakartidningen** 1985 Nov 27;82(48):4211 **(Swe)**

ANALYSIS

Quantitative thin–layer and high–performance liquid chromatographic determination of lorapride in biological fluids and a pharmacokinetic study in humans. Bressolle F, et al. **J Pharm Sci** 1985 Nov;74(11):1215–8

BLOOD

Sulfapyridine appearance in plasma after salicylazosulfapyridine. Another simple measure of intestinal transit. Kellow JE, et al. **Gastroenterology** 1986 Aug;91(2):396–400

Drug sensitization: photobinding of sulfanilamide to bovine serum albumin. Bec JL, et al. **Photochem Photobiol** 1986 Jul;44(1):41–5

METABOLISM

Urine flow dependence of renal clearance and interrelation of renal reabsorption and physicochemical properties of drugs. Komiya I. **Drug Metab Dispos** 1986 Mar-Apr; 14(2):239-45

Distribution of trimethoprim and sulfametopyrazine in the female reproductive tract. Preza PC, et al. **J Int Med Res** 1986;14(2):101-4

Effect of temperature on intestinal transfer and tissue uptake of sulfanilamide and aminopropyron in vitro. Hamaura T, et al. **J Pharmacobiodyn** 1986 Jan;9(1):12-7

Mechanisms of sulfadoxine resistance in Plasmodium falciparum. Dieckmann A, et al. **Mol Biochem Parasitol** 1986 May;19(2):143-7

Steady-state kinetics of 5-aminosalicylic acid and sulfapyridine during sulfasalazine prophylaxis in ulcerative colitis. Bondesen S, et al. **Scand J Gastroenterol** 1986 Aug; 21(6):693-700

[Effect of humic acids on the resorption of sulfachlomide in laboratory rats] Knoll U, et al. **Arch Exp Veterinarmed** 1985 May;39(3):350-4 (Eng. Abstr.) **(Ger)**

[Pharmacokinetics and the clinical use of sulfalene] Aleksa VI, et al. **Sov Med** 1985;(10):106-8 **(Rus)**

PHARMACODYNAMICS

Effects of chloroquine, amodisquine and pyrimethamine-sulfadoxine on Plasmodium falciparum gametocytemia. Strickland GT, et al. **Am J Trop Med Hyg** 1986 Mar;35(2):259-62

Potentiating effect of pyrimethamine and sulfadoxine against dihydrofolate reductase from pyrimethamine-sensitive and pyrimethamine-resistant Plasmodium chabaudi. Sirawaraporn W, et al. **Antimicrob Agents Chemother** 1986 May;29(5):899-905

Development of an in vitro microtest for determining the susceptibility of Plasmodium falciparum to sulfadoxine-pyrimethamine: laboratory investigations and field studies in Port-au-Prince, Haiti. Nguyen-Dinh P, et al. **Bull WHO** 1985;63(3):585-92

In vitro susceptibility of Plasmodium falciparum collected from pyrimethamine-sulfadoxine sensitive and resistant areas in Thailand. Sabchareon A, et al. **Bull WHO** 1985; 63(3):597-602

Enhanced sensitivity to endotoxin induced by 6-sulfanilamidoindazole. Miller ML, et al. **Circ Shock** 1986; 18(1):65-76

In vitro effect of fansimef on human neutrophil and monocyte function. Kharazmi A, et al. **Eur J Clin Pharmacol** 1986; 29(5):587-90

Malaria in the province of Takeo, Cambodia. Giboda M. **Folia Parasitol (Praha)** 1985;32(3):205-10

Inhibition of cytotoxicity by sulfasalazine. II. Sulfasalazine and sulfapyridine inhibit different stages of the NK and NKCF lytic processes. Shanahan F, et al. **Immunopharmacology** 1986 Apr;11(2):111-8

Mefloquine and sulfadoxine/pyrimethamine resistant Plasmodium falciparum [letter] Arnold K. **Lancet** 1986 Jan 18;1(8473):154

In vitro sensitivity of Plasmodium falciparum to sulfadoxine and pyrimethamine. Klinkaewnarong W, et al. **Southeast Asian J Trop Med Public Health** 1985 Jun; 16(2):296-301

Epidemiology of emergence and spread of drug-resistant falciparum malaria in Southeast Asia. Verdrager J. **Southeast Asian J Trop Med Public Health** 1986 Mar; 17(1):111-8

Antithyroid effects of propylthiouracil and sulfamonomethoxine in rats and monkeys. Takayama S, et al. **Toxicol Appl Pharmacol** 1986 Feb;82(2):191-9

Analysis of resistance to pyrimethamine/sulphadoxine of isolates of Plasmodium falciparum from Eastern Thailand. Childs GE, et al. **Trans R Soc Trop Med Hyg** 1986; 80(1):66-8

POISONING

[Monensin/sulfachlorpyrazine poisoning in turkeys] Braunius WW. **Tijdschr Diergeneeskd** 1986 Jul 15;111(14):676-8 (Eng. Abstr.) **(Dut)**

THERAPEUTIC USE

Treatment of falciparum malaria with quinne and tetracycline or combined mefloquine/sulfadoxine/pyrimethamine on the Thai-Kampuchean border. Meek SR, et al. **Am J Trop Med Hyg** 1986 Mar;35(2):246-50

The susceptibility of Plasmodium falciparum to sulfadoxine and pyrimethamine: correlation of in vivo and in vitro results. Schapira A, et al. **Am J Trop Med Hyg** 1986 Mar; 35(2):239-45

Effects of Fansidar on chloroquine-resistant Plasmodium falciparum in Pakistan. Strickland GT, et al. **Am J Trop Med Hyg** 1986 Jan;35(1):61-5

Efficacy of clorsulon against mature, naturally acquired Fasciola hepatica infections in cattle and sheep. Zimmerman GL, et al. **Am J Vet Res** 1986 Aug; 47(8):1665-7

Fansidar prophylaxis of Pneumocystis pneumonia in the acquired immunodeficiency syndrome [letter] Fischl MA, et al. **Ann Intern Med** 1986 Oct;105(4):629

Sensitivity in vivo of Plasmodium falciparum to chloroquine and pyrimethamine/sulfadoxine in a coastal area of Tanzania. Hedman P, et al. **Ann Trop Med Parasitol** 1986 Feb;80(1):7-11

A phase I clinical trial of Fansimef (mefloquine plus sulfadoxine-pyrimethamine) in Brazilian male subjects. de Souza JM, et al. **Bull WHO** 1985;63(3):611-5

An open, randomized, phase III clinical trial of mefloquine and of quinine plus sulfadoxine-pyrimethamine in the treatment of symptomatic falciparum malaria in Brazil. de Souza JM, et al. **Bull WHO** 1985;63(3):603-9

Falciparum malaria treated with a fixed combination of mefloquine, sulfadoxine and pyrimethamine: a field study in adults in Burma. Tin F, et al. **Bull WHO** 1985; 63(4):727-30

Malignant pyoderma. Dicken CH. **J Am Acad Dermatol** 1985 Dec;13(6):1021-5

Efficacy of clorsulon and albendazole against Fascioloides magna in naturally infected white-tailed deer. Foreyt WJ, et al. **J Am Vet Med Assoc** 1985 Dec 1;187(11):1187-8

Failures of combined chloroquine and Fansidar prophylaxis in American travelers to East Africa. Miller KD, et al. **J Infect Dis** 1986 Oct;154(4):689-91

Kelfiprim. A new sulfa-trimethoprim combination in urinary tract infections. Tanphaichitra D. **J Med Assoc Thai** 1985 Jul;68(7):342-6

Leads from the MMWR. Need for malaria prophylaxis by travelers to areas with chloroquine-resistant Plasmodium falciparum. **JAMA** 1986 Feb 7;255(5):597

Need for malaria prophylaxis by travelers to areas with chloroquine-resistant Plasmodium falciparum. **MMWR** 1986 Jan 17;35(2):21-22, 27

In vivo assessment of the sensitivity of Plasmodium falciparum to sulphadoxine/pyrimethamine combination (Fansidar) in six localities in Tanzania where chloroquine-resistant P. falciparum has been detected. Kilimali VA, et al. **Trans R Soc Trop Med Hyg** 1985; 79(4):482-3

Prophylactic efficacy of clorsulon against Fasciola hepatica in calves and sheep. Fetterer RH, et al. **Vet Parasitol** 1985 Jun;18(1):21-7

[Effect of pyrimethamine sulfadoxine (Fansidar) on an avirulent cystogenic strain of Toxoplasma gondii (Prugniaud strain) in white mice] Garin JP, et al. **Bull Soc Pathol Exot Filiales** 1985;78(5 Pt 2):821-4 **(Fre)**

[Malaria in 1985: new recommendations] Hemmer R. **Bull Soc Sci Med Grand Duche Luxemb** 1985;122(1):19-20 **(Fre)**

[Effect of sulfamonomethoxine and ormetoprim on leucocytozoon infection in chickens] Tanabe A, et al. **Nippon Yakurigaku Zasshi** 1986 Mar;87(3):273-9 (Eng. Abstr.) **(Jpn)**

[Peculiarities in the treatment of systemic mycoses] Del Negro G. **AMB** 1985 Mar-Apr;31(3-4):47-51 **(Por)**

[Effectiveness of treatment with chloroquine, fansidar and dabequin of Plasmodium falciparum carriers, residing in a hyperendemic focus of malaria (the city of Bagamoyo, Northeastern Tanzania)] Kuznetsov RL, et al. **Med Parazitol (Mosk)** 1985 Jul-Aug;(4):15-9 (Eng. Abstr.) **(Rus)**

URINE

Possible active tubular secretion of sulfamonomethoxine and its metabolites in pigs. Shimoda M, et al. **J Pharmacobiodyn** 1986 Mar;9(3):229-33

SULFANILIC ACIDS see under **BENZENESULFONATES**

SULFANINYLBUTYLUREA see **CARBUTAMIDE**

SULFAPYRIDINE see under **SULFANILAMIDES**

SULFAQUINOXALINE see under **SULFANILAMIDES**

SULFASALAZINE see **SALICYLAZOSULFAPYRIDINE**

SULFATASES

Enzymatic analysis with chondrosulfatases of constituent disaccharides of sulfated chondroitin sulfate and dermatan sulfate isomers by high-performance liquid chromatography. Murata K, et al. **Anal Biochem** 1985 Aug 15;149(1):261-8

ANALYSIS

Isolation of a rat intestinal Clostridium strain producing 5 alpha- and 5 beta-bile salt 3 alpha-sulfatase activity. Robben J, et al. **Appl Environ Microbiol** 1986 Jan;51(1):32-8

Sulfhydryl groups of rabbit liver arylsulfatase A. Waheed A, et al. **Biochim Biophys Acta** 1985 Sep 20;831(1):67-73

A modified radioimmunoassay for arylsulfatase A in human serum and urine. Laidler PM, et al. **Clin Chim Acta** 1986 Jul 15;158(1):23-31

Histochemical reactions of arylosulphatases and beta-glucuronidase in the intestinal epithelium in rats under conditions of changed ACTH and steroid hormones level. Czewżyk T, et al. **Folia Morphol (Warsz)** 1985;44(2):108-17

Arylsulphatases in the rabbit oviduct: postovulatory changes tested by histochemical and biochemical procedures. Vitaioli L, et al. **Histochem J** 1985 Aug;17(8):883-90

ANTAGONISTS & INHIBITORS

Inhibition of homogeneous human eosinophil arylsulfatase B by sulfidopeptide leukotrienes. Weller PF, et al. **J Biol Chem** 1986 Feb 5;261(4):1737-44

[Demonstration of a cytosolic inhibitory of membrane estrone sulfatase activity in guinea pig liver] Adessi GL, et al. **C R Acad Sci [III]** 1986;302(1):21-6 (Eng. Abstr.) **(Fre)**

BIOSYNTHESIS

Sulfur regulation of heparinase and sulfatases in Flavobacterium heparinum. Cerbelaud EC, et al. **Appl Environ Microbiol** 1986 Mar;51(3):640-6

Steroid sulfatase. Biosynthesis and processing in normal and mutant fibroblasts. Conary J, et al. **Eur J Biochem** 1986 Jul 1;158(1):71-6

BLOOD

Hunter syndrome: prenatal diagnosis in maternal serum. Zlotogora J, et al. **Am J Hum Genet** 1986 Feb;38(2):253-60

Detection of heterozygotes of X-linked ichthyosis by measuring steroid sulphatase activity of lymphocytes. Mode of inheritance in three families. Okano M, et al. **Br J Dermatol** 1985 Dec;113(6):645-9

[Laboratory diagnosis of sphingolipidosis] Shi HP, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Dec; 6(6):446-8 (Eng. Abstr.) **(Chi)**

DEFICIENCY

Carrier identification in steroid sulphatase deficiency and recessive X-linked ichthyosis. Lykkesfeldt G, et al. **Acta Derm Venereol (Stockh)** 1986;66(2):134-8

A new syndrome of anosmia, ichthyosis, hypogonadism, and various neurological manifestations with deficiency of steroid sulfatase and arylsulfatase C. Sunohara N, et al. **Ann Neurol** 1986 Feb;19(2):174-81

Familial X-linked ichthyosis, steroid sulfatase deficiency, mental retardation, and nullisomy for Xp223-pter. Ross JB, et al. **Arch Dermatol** 1985 Dec;121(12):1524-8

Rapid degradation of steroid sulfatase in multiple sulfatase deficiency. Horwitz AL, et al. **Biochem Biophys Res Commun** 1986 Mar 13;135(2):389-96

Lactation in placental steroid sulphatase deficiency [letter] Martin RH, et al. **Br J Obstet Gynaecol** 1985 Oct; 92(10):1073-4

Pseudoarylsulfatase-A deficiency in the neurologically impaired patient. Farrell K, et al. **Can J Neurol Sci** 1985 Aug;12(3):274-7

Abnormal androgen and oestrogen metabolism in men with steroid sulphatase deficiency and recessive X-linked ichthyosis. Lykkesfeldt G, et al. **Clin Endocrinol (Oxf)** 1985 Oct;23(4):385-93

Steroid sulphatase deficiency disease. Lykkesfeldt G, et al. **Clin Genet** 1985 Sep;28(3):231-7

Ichthyosis of steroid sulphatase deficiency. Clinical study of 76 cases. Høyer H, et al. **Dermatologica** 1986;172(4):184-90

X-linked ichthyosis, due to steroid sulphatase deficiency, associated with Kallmann syndrome (hypogonadotropic hypogonadism and anosmia): linkage relationships with Xg and cloned DNA sequences from the distal short arm of the X chromosome. Ballabio A, et al. **Hum Genet** 1986 Mar;72(3):237-40

Recessive X-linked ichthyosis: lack of immunologically detectable steroid sulfatase enzyme protein. Epstein EH Jr, et al. **Hum Genet** 1985;71(3):201-5

Partial lyonisation of steroid sulphatase gene in single hair roots. Willems PJ, et al. **J Inherited Metab Dis** 1986; 9(2):156-62

Regulation of serum testosterone in men with steroid sulfatase deficiency: response to human chorionic gonadotropin. Ruokonen A, et al. **J Steroid Biochem** 1986 Jul;25(1):113-9

Pseudodeficiencies in lysosomal storage disorders [letter] Zlotogora J, et al. **Lancet** 1985 Dec 7;2(8467):1296

Placental steroid sulfatase deficiency [letter] Marinkovic-Ilsen A, et al. **Obstet Gynecol** 1985 Nov; 66(5):747-8

Early diagnosis of recessive X-linked ichthyosis: elevation of cholesterol sulfate levels in placental sulfatase deficiency before the onset of skin symptoms. Marinkovic-Ilsen A, et al. **Pediatr Dermatol** 1985 Nov;3(1):59-64

Prenatal diagnosis of Hunter syndrome using chorionic villi. Pannone N, et al. **Prenat Diagn** 1986 May-Jun;6(3):207-10

Placental sulphatase deficiency. Fogarty PP. **Ulster Med J** 1985 Apr;54(1):68-71

[Placental steroid sulfatase deficiency. Reduced estriol production] Engebretsen T, et al. **Tidsskr Nor Laegeforen** 1985 Oct 30;105(30):2138-40 (Eng. Abstr.) **(Nor)**

GENETICS

Purification and properties of arylsulfatase B from high- and low-activity mouse strains. Daniel WL, et al. **Biochem Genet** 1985 Oct;23(9-10):771-86

Deleted ring chromosome 22 in a mentally retarded boy. Gustavson KH, et al. **Clin Genet** 1986 Apr;29(4):337-41

ISOLATION & PURIFICATION

A rapid method for purification of arylsulphatase A from rabbit uterus. Fioretti E, et al. **Biochem Int** 1986 Jan; 12(1):1-9

Steroid content of beta-glucuronidase and sulfatase

preparations. Graef V, et al. **Clin Chem** 1986 Jul;32(7):1416
Purification of mammalian arylsulfatase A enzymes by subunit affinity chromatography. Waheed A, et al. **Int J Pept Protein Res** 1985 Oct;26(4):362–72
Studies in metachromatic leukodystrophy: XV. Purification of normal and mutant arylsulfatase A from human liver. James GT, et al. **Life Sci** 1985 Dec 23;37(25):2365–71
[Studies on charge heterogeneity of arylsulfatase A from human lung cancer] Nakamura M. **Hokkaido Igaku Zasshi** 1985 Sep;60(5):671–82 (Eng. Abstr.) **(Jpn)**

METABOLISM

Enzymatic control of estrogen production in human breast cancer: relative significance of aromatase versus sulfatase pathways. Santen RJ, et al. **Ann NY Acad Sci** 1986; 464:126–37 (33 ref.)
Molecular cloning of the sphingolipid activator protein–1 (SAP–1), the sulfatide sulfatase activator. Dewji N, et al. **Biochem Biophys Res Commun** 1986 Jan 29;134(2):989–94
Rapid degradation of steroid sulfatase in multiple sulfatase deficiency. Horwitz AL, et al. **Biochem Biophys Res Commun** 1986 Mar 13;135(2):389–96
Primary alkylsulphatase activities of the detergent–degrading bacterium Pseudomonas C12B. Purification and properties of the P1 enzyme. Bateman TJ, et al. **Biochem J** 1986 Jun 1;236(2):401–8
Diagnosis of Maroteaux–Lamy syndrome by the use of radiolabelled oligosaccharides as substrates for the determination of arylsulphatase B activity. Hopwood JJ, et al. **Biochem J** 1986 Mar 15;234(3):507–14
Phosphorylation and sulfation of arylsulfatase A accompanies biosynthesis of the enzyme in normal and carcinoma cell lines. Waheed A, et al. **Biochim Biophys Acta** 1985 Oct 30;847(1):53–61
Steroid sulfotransferases and steroid sulfate sulfatases: characteristics and biological roles. Hobkirk R. **Can J Biochem Cell Biol** 1985 Nov;63(11):1127–44 (178 ref.)
Arylsulphatase activity in the frog oviduct during the recovery phase of the reproductive cycle. Vitaioli L, et al. **Cell Mol Biol** 1986;32(2):187–93
Effect of arylsulfatase A and sialidase on the biochemical and immunological properties of creatine kinase isoenzyme BB. McBride JH, et al. **Clin Chem** 1985 Oct;31(10):1583–91
Comparative kinetics of the sulphatases A. Roy AB. **Comp Biochem Physiol [B]** 1985;82(2):333–5
Comparative studies of rodent anionic arylsulfatases. Thompson DB, et al. **Comp Biochem Physiol [B]** 1985; 82(1):55–61
Structural and immunological relationships among mammalian arylsulfatase A enzymes. Waheed A, et al. **Comp Biochem Physiol [B]** 1985;82(4):855–62
Flavobacterium heparinum 6–O–sulphatase for N–substituted glucosamine 6–O–sulphate. Bruce JS, et al. **Eur J Biochem** 1985 Oct 1;152(1):75–82
Absence of testicular steroid sulphatase activity in a boy with recessive X–linked ichthyosis and testicular maldescent. Lykkesfeldt G, et al. **Eur J Pediatr** 1985 Sep;144(3):273–4
Specific determination of arylsulfatase A activity. Inoue H, et al. **Experientia** 1986 Jan 15;42(1):33–5
Mammalian arylsulfatases A and B: relative rates of hydrolysis of artificial substrates. Thompson DB, et al. **Experientia** 1986 Feb 15;42(2):150–1
Comparative studies on arylsulphatases from fowl testes and seminal plasma. Droba M. **Folia Biol (Krakow)** 1986; 34(1):55–72
Fluctuations in arylsulphatase activity in the rabbit endometrium during the sexual cycle. Vitaioli L, et al. **Histochemistry** 1985;83(2):127–31
Arylsulfatase B activity in cultured retinal pigment epithelium: regional studies in feline mucopolysaccharidosis VI. Stramm LE, et al. **Invest Ophthalmol Vis Sci** 1986 Jul; 27(7):1050–7
Further ultracytochemical analysis of rat adenohypophyseal cells: detection of two distinct enzyme activities within a single cell. Khokhlov SYe, et al. **J Cell Sci** 1985 Apr; 75:303–12
In vitro effects of human prolactin and oxytocin on sulfatase activity in isolated human decidual cells. Braverman MB, et al. **J Clin Endocrinol Metab** 1986 Sep;63(3):725–9
Sulfohydrolase activity for estrone sulfate and dehydroepiandrosterone sulfate in human fetal membranes and decidua around the time of parturition. Chibbar R, et al. **J Clin Endocrinol Metab** 1986 Jan;62(1):90–4
Steroid sulfatase activity in amnion tissue and amnion cells maintained in monolayer culture. Milewich L, et al. **J Clin Endocrinol Metab** 1985 Nov;61(5):812–6
Monensin stimulation of arylsulfatase B activity in human chondrocytes. Colofiore JR, et al. **J Orthop Res** 1986; 4(3):273–80
Hydrolysis of organic sulfates in periportal and pericentral regions of the liver lobule: studies with 4–methylumbelliferyl sulfate in the perfused rat liver. Anundi IM, et al. **Mol Pharmacol** 1986 Jun;29(6):599–605
[Enzymes and beta–2–microglobulin in the diagnosis of various forms of arterial hypertension] Klimenko VS. **Vrach Delo** 1985 Sep;(9):40–3 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

The effect of steroid sulphatase on stratum corneum shedding in patients with X–linked ichthyosis. Yoshiike T, et al. **Br J Dermatol** 1985 Dec;113(6):641–3
Involvement of sperm sulphatases in early sperm–zona interactions in the hamster. Ahuja KK, et al. **J Cell Sci** 1985 Oct;78:247–61

SULFATE ADENYLYLTRANSFERASE see under **NUCLEOTIDYLTRANSFERASES**

SULFATES

Features of seizures and behavioral changes induced by intrahippocampal injection of zinc sulfate in the rabbit: a new experimental model of epilepsy. Pei YQ, et al. **Epilepsia** 1986 May–Jun;27(3):183–8
[Theoretical studies on the processing of mirabilite] Mao WR. **Chung Yao Tung Pao** 1984 Sep;9(5):20–1 **(Chi)**

ADVERSE EFFECTS

Effect of dietary anion composition on acid–induced hypercalciuria in the adult rat. Whiting SJ, et al. **J Nutr** 1986 Mar;116(3):388–94
Encephalopathy and an elevated serum aluminum level in a patient receiving intravesical alum irrigation for severe urinary hemorrhage. Kavoussi LR, et al. **J Urol** 1986 Sep; 136(3):665–7
Compliance in Wilson's disease and in copper toxicosis of Bedlington terriers [letter] Hoogenraad TU, et al. **Lancet** 1986 Jul 19;2(8499):170
[Internal contamination by tritium caused by radioluminescent paints] Adamiak–Ziemba J, et al. **Med Pr** 1985;36(6):402–6 (Eng. Abstr.) **(Pol)**

ANALYSIS

The diagnostic significance of sulfated acid mucin content in gastric intestinal metaplasia with early gastric cancer. Turani H, et al. **Am J Gastroenterol** 1986 May;81(5):343–5
Molecular distinctions between heparan sulphate and heparin. Analysis of sulphation patterns indicates that heparan sulphate and heparin are separate families of N–sulphated polysaccharides. Gallagher JT, et al. **Biochem J** 1985 Sep 15;230(3):665–74
Sulphation of proteins secreted by a human hepatoma–derived cell line. Sulphation of N–linked oligosaccharides on alpha 2HS–glycoprotein. Hortin G, et al. **Biochem J** 1986 Apr 15;235(2):407–14
Use of a new sample–collection device (Macroduct) in anion analysis of human sweat. Cole DE, et al. **Clin Chem** 1986 Jul;32(7):1375–8
Problems in the estimation of human exposure to components of acid precipitation precursors. Ferris BG Jr, et al. **Environ Health Perspect** 1985 Nov;63:5–9
Structure of sulfated glucuronyl glycolipids in the nervous system reacting with HNK–1 antibody and some IgM paraproteins in neuropathy. Chou DK, et al. **J Biol Chem** 1986 Sep 5;261(25):11717–25
The relationship between the mass concentrations of sulphate and sulphur dioxide in air polluted with cement dust. Gentilizza M, et al. **Sci Total Environ** 1986 Feb;48(3):231–7

BIOSYNTHESIS

An in vitro model of ageing of human articular cartilage sulphated–proteoglycans. Shuckett R, et al. **Mech Ageing Dev** 1986 Mar;34(1):73–90

BLOOD

The interactions of mesna and dimesna with the sulfate exchange in human red blood cells. Reuther H, et al. **Arzneimittelforschung** 1986 Apr;36(4):763–5
Aged human erythrocytes exhibit increased anion exchange. Zanner MA, et al. **Biochim Biophys Acta** 1985 Sep 10; 818(3):310–5
Glucuronidated and sulfated bile acids in serum of patients with acute hepatitis. Takikawa H, et al. **Dig Dis Sci** 1986 May;31(5):487–91

DIAGNOSTIC USE

[Sodium sulfate and furosemide loading tests for the diagnosis of renal tubular acidosis] Shinoda T, et al. **Nippon Rinsho** 1985 Sep;43(9):1849–54 (23 ref.) **(Jpn)**
[Zinc sulfate test indices in the mother–fetus–amniotic fluid system] Avakian ZA. **Lab Delo** 1986;(5):314–5 **(Rus)**

METABOLISM

Sulfate incorporation by mouse synovial cells in vivo. Bjorenson JE, et al. **Acta Anat (Basel)** 1986;125(4):274–8
Sensitivity of rat renal luminal and contraluminal sulfate transport systems to DIDS. Bästlein C, et al. **Am J Physiol** 1986 Feb;250(2 Pt 2):F226–34
Effects of cations on pH gradient–stimulated sulfate transport in rabbit ileal brush–border membrane vesicles. Schron CM, et al. **Am J Physiol** 1985 Nov;249(5 Pt 1):G614–21
pH gradient–stimulated sulfate transport by rabbit ileal brush–border membrane vesicles: evidence for SO4–OH exchange. Schron CM, et al. **Am J Physiol** 1985 Nov;249(5 Pt 1):G607–13
Cotransport systems for inorganic sulfate and phosphate in small intestine and renal proximal tubule. Murer H, et al. **Ann NY Acad Sci** 1985;456:139–52 (81 ref.)
Sulphate–reducing bacteria and anaerobic corrosion. Hamilton WA. **Annu Rev Microbiol** 1985;39:195–217 (140 ref.)
Assimilatory reduction of sulfate and sulfite by methanogenic bacteria. Daniels L, et al. **Appl Environ Microbiol** 1986 Apr; 51(4):703–9
Covalent binding of a mercaptan S–sulfate to hepatic cytosolic proteins and its inhibition by glutathione. Watabe T, et al. **Biochem Biophys Res Commun** 1986 Jun 30; 137(3):1055–60
The S–sulfate formation from 4–nitrobenzyl mercaptan in rat liver cytosol. Watabe T, et al. **Biochem Biophys Res Commun** 1985 Sep 16;131(2):687–93
Localization of a sulphate–activating system within Euglena mitochondria. Saidha T, et al. **Biochem J** 1985 Dec 1; 232(2):357–65
A hydroxymethyl sulphate ester as an active metabolite of the carcinogen, 5–hydroxymethylchrysene. Okuda H, et al. **Biochem Pharmacol** 1986 Feb 1;35(3):535–8
Availability of plasma sulfate for conjugation of salicylamide in dogs. Waschek JA, et al. **Biochem Pharmacol** 1986 Feb 1;35(3):544–6
Sulphate transport in human placental brush–border membrane vesicles: competitive inhibition by selenate. Shennan DB, et al. **Biochim Biophys Acta** 1986 Jul 10; 859(1):122–4
Phosphorylation and sulfation of arylsulfatase A accompanies biosynthesis of the enzyme in normal and carcinoma cell lines. Waheed A, et al. **Biochim Biophys Acta** 1985 Oct 30;847(1):53–61
Sulfate–chloride exchange transport in a glioma cell line. Wolpaw EW, et al. **Biochim Biophys Acta** 1986 Feb 27; 855(2):302–11
Human placental sulphate transport is strongly inhibited by salicylate. Shennan DB, et al. **Br J Obstet Gynaecol** 1986 May;93(5):522–3
Incorporation of (35S)sulfate and (3H)glucosamine into glycoaminoglycans in rat incisor predentine and dentine: comparison by autoradiography of fixation by rapid–freezing, freeze–substitution, and aldehyde fixation. Goldberg M, et al. **Calcif Tissue Int** 1985 Sep;37(5):511–8
Benzo[a]pyrene metabolism in human T 47D mammary tumor cells: evidence for sulfate conjugation and translocation of reactive metabolites across cell membranes. Merrick BA, et al. **Cancer Lett** 1985 Nov;29(2):139–50
A 7–hydroxymethyl sulphate ester as an active metabolite of the carcinogen, 7–hydroxymethylbenz[a]anthracene. Watabe T, et al. **Carcinogenesis** 1986 Feb;7(2):207–14
Sex differences in drug conjugation and their consequences for drug toxicity. Sulfation, glucuronidation and glutathione conjugation. Mulder GJ. **Chem Biol Interact** 1986 Jan;57(1):1–15 (107 ref.)
Sweat sulfate concentrations are decreased in cystic fibrosis. Cole DE, et al. **Clin Chim Acta** 1986 Mar 28;155(3):237–43
Proteoglycans and hypertension. II. [35S]sulfate incorporation into aorta proteoglycans of spontaneously hypertensive rats. Reynertson RH, et al. **Coll Relat Res** 1986 Mar;6(1):103–20
Comparisons of the changes of sulfation and phosphorylation in malignancy. Lipmann F, et al. **Curr Top Cell Regul** 1985; 27:193–8
Developmental changes in sulphation of chondroitin sulphate proteoglycan during myogenesis of human muscle cultures. Hutchison CJ, et al. **Dev Biol** 1986 May;115(1):78–83
Effect of cystic fibrosis and non–cystic fibrosis plasma on 45Ca and 35SO4 uptake and retention by the small intestine at the cellular level in the guinea pig. Morrissey SM, et al. **Digestion** 1986;34(1):28–35
Isolation and identification of a new major metabolite of diflunisal in man. The sulfate conjugate. Loewen GR, et al. **Drug Metab Dispos** 1986 Jan–Feb;14(1):127–31
Differential sulfation and sialylation of secreted mouse thyrotropin (TSH) subunits: regulation by TSH–releasing hormone. Gesundheit N, et al. **Endocrinology** 1986 Aug; 119(2):455–63
Ambient sulfate aerosol deposition in man: modeling the influence of hygroscopicity. Martonen TB, et al. **Environ Health Perspect** 1985 Nov;63:11–24
Sulphation and the vegetative growth of Dictyostelium discoideum. Davis SJ, et al. **Eur J Biochem** 1986 Jul 1; 158(1):179–85
Intracellular transport and tyrosine sulfation of procollagens V. Fessler LI, et al. **Eur J Biochem** 1986 Aug 1;158(3):511–8
Incorporation of sulphate into type III procollagen by cultured human fibroblasts. Identification of tyrosine O–sulphate. Jukkola A, et al. **Eur J Biochem** 1986 Jan 2; 154(1):219–24
The effect of acetaminophen administration on its disposition and body stores of sulphate. Hendrix–Treacy S, et al. **Eur J Clin Pharmacol** 1986;30(3):273–8
Sulfate conjugation in drug metabolism: role of inorganic sulfate. Levy G. **Fed Proc** 1986 Jul;45(8):2235–40
Kinetics of sulfation in the rat in vivo and in the perfused rat liver. Mulder GJ. **Fed Proc** 1986 Jul;45(8):2229–34
Sulfate conjugation of neurotransmitters and drugs. Introduction. Weinshilboum RM. **Fed Proc** 1986 Jul; 45(8):2220–2
Characterization of water–soluble glucuronide and sulphate conjugates of aflatoxin B1. 1. Urinary excretion in monkey, rat and mouse. Wei CI, et al. **Food Chem Toxicol** 1985 Sep;23(9):809–19
Effect of peripheral blood mononuclear cells from patients with nephrotic syndrome on uptake of 35sulfate by glomerular basement membrane. Garin EH, et al.

Int J Pediatr Nephrol 1985 Jul-Sep;6(3):189-94
Tyrosine sulfation in precursors of collagen V. Fessler LI, et al. J Biol Chem 1986 Apr 15;261(11):5034-40
Sulfation of p-nitrophenyl-N-acetyl-beta-D-galactosaminide with a microsomal fraction from cultured chondrocytes. Habuchi O, et al. J Biol Chem 1985 Oct 25;260(24):13102-8
In vivo and in vitro tyrosine sulfation of a membrane glycoprotein. Liu N, et al. J Biol Chem 1986 Jan 15; 261(2):856-61
Simultaneous sulfation of endogenous chondroitin sulfate and chondroitin-derived oligosaccharides. Studies with separate 4-sulfating and 6-sulfating microsomal systems. Sugumaran G, et al. J Biol Chem 1986 Sep 25; 261(27):12659-64
Modulation of sulfated proteoglycan synthesis by bovine aortic endothelial cells during migration. Kinsella MG, et al. J Cell Biol 1986 Mar;102(3):679-87
Sulfate transport in human lung fibroblasts (IMR-90). Elgavish A, et al. J Cell Physiol 1985 Nov;125(2):243-50
Abnormal accumulation of sulphated materials in lens tissue of mice with the aphakia mutation. Webster EH Jr, et al. J Embryol Exp Morphol 1986 Mar;92:85-101
Amino acidaemias and brain maturation: interference with sulphate activation and myelin metabolism. Hoonmes FA. J Inherited Metab Dis 1985;8 Suppl 2:121-2
Biogenesis of chromaffin granules: incorporation of sulfate into chromogranin B and into a proteoglycan. Falkensammer G, et al. J Neurochem 1985 Nov; 45(5):1475-80
Role of glutathione turnover in drug sulfation: differential effects of diethylmaleate and buthionine sulfoximine on the pharmacokinetics of acetaminophen in the rat. Galinsky RE. J Pharmacol Exp Ther 1986 Jan;236(1):133-9
Increased renal reabsorption of inorganic sulfate in third-trimester high-risk pregnancies. Cole DE, et al. Obstet Gynecol 1985 Oct;66(4):485-90
Effect of concanavalin A on nephrotic peripheral blood mononuclear cells mediated increased 35sulfate uptake in rat glomerular basement membrane. Garin EH, et al. Pediatr Res 1986 Apr;20(4):321-3
Effect of saline infusion on net reabsorption of endogenous sulfate relative to that of phosphate in intact and thyroparathyroidectomized rats. Frick A, et al. Pflugers Arch 1986 Apr;406(4):387-91
Transport of sulphate in rat jejunal and rat proximal tubular basolateral membrane vesicles. Hagenbuch B, et al. Pflugers Arch 1985 Oct;405(3):202-8
Influence of cation markers on sulfate distribution in mouse gastrocnemius muscle. Macchia DD, et al. Pflugers Arch 1986 Aug;407(2):235-7
Contraluminal sulfate transport in the proximal tubule of the rat kidney. IV. Specificity: salicylate analogs. Ullrich KJ, et al. Pflugers Arch 1985 Aug;404(4):307-10
Contraluminal sulfate transport in the proximal tubule of the rat kidney. V. Specificity: phenolphthaleins, sulfonphthaleins, and other sulfo dyes, sulfamoyl-compounds and diphenylamine-2-carboxylates. Ullrich KJ, et al. Pflugers Arch 1985 Aug;404(4):311-8
Contraluminal sulfate transport in the proximal tubule of the rat kidney. II. Specificity: sulfate-ester, sulfonates and amino sulfonates. Ullrich KJ, et al. Pflugers Arch 1985 Aug; 404(4):293-9
Contraluminal sulfate transport in the proximal tubule of the rat kidney. III. Specificity: disulfonates, di- and tri-carboxylates and sulfocarboxylates. Ullrich KJ, et al. Pflugers Arch 1985 Aug;404(4):300-6
Bioavailability of manganese sulfate and manganese monoxide in chicks as measured by tissue uptake of manganese from conventional dietary levels. Henry PR, et al. Poult Sci 1986 May;65(5):983-6
Incorporation of [35S]sulphate and [3H]thymidine into isolated bovine articular chondrocytes in vitro. Effect of autogenous conditioned synovial medium. Klämfeldt A. Scand J Rheumatol 1986;15(1):7-12
[Nitrate and sulfate respiration and evolution] Ishimoto M. Tanpakushitsu Kakusan Koso 1985 Jun;30(7 Suppl):797-807 (59 ref.) (Jpn)
[Evolution of sulfate respiration and cytochrome] Yagi T. Tanpakushitsu Kakusan Koso 1985 Jun;30(7 Suppl):816-23 (34 ref.) (Jpn)

PHARMACODYNAMICS

Enhancement of vitamin D3 effect on bone metabolism in weanling rats orally administered zinc sulphate. Yamaguchi M, et al. Acta Endocrinol (Copenh) 1986 Feb;111(2):285-8
The effect of certain anions on muscle resting potential in Tenebrio molitor. Janiszewski L, et al. Acta Physiol Pol 1985 Mar-Apr;36(2):112-6
Sulfur regulation of heparinase and sulfatases in Flavobacterium heparinum. Cerbelaud EC, et al. Appl Environ Microbiol 1986 Mar;51(3):640-6
An altered series of ectodermal gene expressions accompanying the reversible suspension of differentiation in the zinc-animalized sea urchin embryo. Nemer M. Dev Biol 1986 Mar;114(1):214-24
Effects of zinc sulphate on ethanol- and indomethacin-induced ulceration and changes in prostaglandin E2 and histamine levels in the rat gastric glandular mucosa. Cho CH, et al. Digestion 1985; 32(4):288-95
Effect of ZnSO4 upon gastric acid secretion and carbonic anhydrase. Puscas I, et al. Int J Clin Pharmacol Ther Toxicol 1985 Nov;23(11):609-12
Induced release of Bacillus spores from sporangia by sodium sulphate. Burnett AM, et al. J Appl Bacteriol 1986 Apr; 60(4):337-9
Glycosaminoglycan production by bovine aortic endothelial cells cultured in sulfate-depleted medium. Humphries DE, et al. J Biol Chem 1986 Jul 15;261(20):9122-7
Effects of certain salts on glucosyltransferase synthesis by Streptococcus mutans strain PS-14. Takada K, et al. J Dent Res 1986 Mar;65(3):452-5
Comparison of the effects of sodium sulfate and N-acetylcysteine on the hepatotoxicity of acetaminophen in mice. Hjelle JJ, et al. J Pharmacol Exp Ther 1986 Feb; 236(2):526-34
Inhibition of the differentiation of Candida albicans by the chelator 1,10-phenanthroline. Bedell GW, et al. Mycopathologia 1985 Dec;92(3):161-7
Protection by zinc sulphate against ethanol-induced ulceration: preservation of the gastric mucosal barrier. Wong SH, et al. Pharmacology 1986;33(2):94-102
Effect of dietary fluoride and aluminum on laying hen performance and fluoride concentration in blood, soft tissue, bone, and egg. Hahn PH, et al. Poult Sci 1986 Jul; 65(7):1343-9
Different ionic requirements for somatostatin receptor subpopulations in the brain. Reubi JC, et al. Regul Pept 1986 Jul;14(4):301-11
Effects of different ions on the interactions of heparin with bovine antithrombin III and thrombin. Oshima G, et al. Thromb Res 1986 May 1;42(3):375-82
[Effect of zinc on wound healing] Niedner R, et al. Z Hautkr 1986 May 15;61(10):741-2 (Eng. Abstr.) (Ger)
[Effect of the agitation intensity and concentration of surface-active substances on the rate of oxygen sorption by a model sulfite-albumin medium] Vorob'eva GS, et al. Antibiot Med Biotekhnol 1985 Jul;30(7):521-5 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Sulfate-dependent iron oxidation by Thiobacillus ferrooxidans: characterization of a new EPR detectable electron transport component on the reducing side of rusticyanin. Fry IV, et al. Arch Biochem Biophys 1986 May 1;246(2):650-4
Modification of lymphocyte migration by sulfated polysaccharides. Brenan M, et al. Eur J Immunol 1986 Apr; 16(4):423-30

POISONING

[A case of toxicoderma caused by mercuric sulfate ointment] Gol'dshtein LM, et al. Vestn Dermatol Venerol 1985 Oct; (10):61-2 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

The effect of sodium tetraborate and alum in the management of acute childhood diarrhoea. Aung MM, et al. Ann Trop Paediatr 1986 Mar;6(1):27-9
Punch biopsy wounds treated with Monsel's solution or a collagen matrix. A comparison of healing. Armstrong RB, et al. Arch Dermatol 1986 May;122(5):546-9
Topical zinc in the treatment of herpes simplex. Finnerty EF. Cutis 1986 Feb;37(2):130-1
Abnormalities of fecal flora in patients with acrodermatitis enteropathica. Ishibashi Y, et al. J Dermatol (Tokyo) 1985 Jun;12(3):219-25
Alum irrigation for severe bladder hemorrhage. Mukamel E, et al. J Urol 1986 Apr;135(4):784-5
Experimental fluorosis in sheep: alleviating effects of aluminum. Kessabi M, et al. Vet Hum Toxicol 1986 Aug; 28(4):300-4
[Oral zinc in Wilson disease--an alternative to D-penicillamine] Ramadori G, et al. Z Gastroenterol 1985 Jan;23(1):25-9 (Eng. Abstr.) (Ger)
[Experimental morphological basis for using zinc in treating senile cataract] Chuistova IP, et al. Oftalmol Zh 1985; (7):394-6 (Eng. Abstr.) (Rus)

TOXICITY

Sulfuric acid esters as ultimate electrophilic and carcinogenic metabolites of some alkenylbenzenes and aromatic amines in mouse liver. Miller EC, et al. Carcinog Compr Surv 1985; 10:93-107 (45 ref.)
Effects of inhaled acids on respiratory tract defense mechanisms. Schlesinger RB. Environ Health Perspect 1985 Nov;63:25-38 (90 ref.)
[Toxicologic aspect of zinc-induced changes in the liver] Ito A, et al. Nippon Hoigaku Zasshi 1985 Aug;39(4):326-30 (Eng. Abstr.) (Jpn)
[Experimental study of the effect of potassium sulfate fertilizers on the body in animals] Khodykina TM, et al. Gig Sanit 1985 Jul;(7):24-6 (Rus)
[Experimentally calculated basis for tentative safe levels of exposure to sulfate, sulfite and sulfate-sulfite salts of sodium in atmospheric air] Tkachev PG, et al. Gig Sanit 1985 Nov; (11):69-70 (Rus)

URINE

Urinary excretion of polyethylene glycol 3350 and sulfate after gut lavage with a polyethylene glycol electrolyte lavage solution. Brady CE 3d, et al. Gastroenterology 1986 Jun;90(6):1914-8

SULFATES, INORGANIC see **SULFATES**

SULFATES, ORGANIC see **SULFURIC ACIDS**

SULFATHIAZOLES

ADMINISTRATION & DOSAGE

[Urinary tract infection in general practice treated with sulfamethizole in a single dose or for 6 days] Andersen B, et al. Ugeskr Laeger 1986 Feb 24;148(9):511-3 (Eng. Abstr.) (Dan)

ANALYSIS

Rapid quantitative thin layer chromatographic screening procedure for sulfathiazole residues in honey. Neidert E, et al. J Assoc Off Anal Chem 1986 Jul-Aug;69(4):641-3
Practical screening procedure for sulfathiazole in honey. Schwartz DP, et al. J Assoc Off Anal Chem 1986 Jan-Feb; 69(1):72-4
High-performance liquid chromatographic determination of phenazopyridine hydrochloride, tetracycline hydrochloride and sulphamethizole in combination. Du Preez JL, et al. J Chromatogr 1985 Sep 27;333(1):249-52

METABOLISM

Urine flow dependence of renal clearance and interrelation of renal reabsorption and physicochemical properties of drugs. Komiya I. Drug Metab Dispos 1986 Mar-Apr; 14(2):239-45

PHARMACODYNAMICS

Increasing resistance to trimethoprim-sulfamethoxazole among isolates of Escherichia coli in developing countries. Murray BE, et al. J Infect Dis 1985 Dec;152(6):1107-13

URINE

Study of the interactions between sulfamethizole and three anti-inflammatory propionic acid derivatives at the renal level in rats. Chiba K, et al. Chem Pharm Bull (Tokyo) 1985 Nov;33(11):5100-4

SULFATIDES

Adsorption of uni and divalent cations to planar bilayer membranes containing sulphatides or phosphatidylserine. Oliva C, et al. Biochem Int 1985 Dec;11(6):863-8
Calorimetric properties of mixtures of distearoylphosphatidylcholine and sulfatides with definite fatty acid composition. Viani P, et al. Biochem Int 1986 Jan;12(1):125-35
Thermal and structural behavior of natural cerebroside 3-sulfate in bilayer membranes. Ruocco MJ, et al. Biochim Biophys Acta 1986 Jul 24;859(2):246-56
Fluorospectroscopic studies of mixtures of distearoylphosphatidylcholine and sulfatides with defined fatty acid compositions. Viani P, et al. Chem Phys Lipids 1986 Jan;39(1-2):41-51

BIOSYNTHESIS

Effects of triiodothyronine on the synthesis of sulfolipids by oligodendrocyte-enriched glial cultures. Koper JW, et al. Biochim Biophys Acta 1986 Aug 1;887(3):327-34
Regulation of galactocerebroside and sulfatide synthesis by hormones in chick neural cultures. Kanamoto Y, et al. Brain Res 1986 Apr 16;371(1):201-3
Levels of sulfatide synthesis distinguish oligodendroglia in different stages of maturation. Poduslo SE, et al. Neurochem Res 1985 Sep;10(9):1285-97

METABOLISM

Comparison of the specificities of laminin, thrombospondin, and von Willebrand factor for binding to sulfated glycolipids. Roberts DD, et al. J Biol Chem 1986 May 25; 261(15):6872-7
[3H]5-hydroxytryptamine binding to reconstituted fraction with sulphatides, phosphatidylserine and phosphatidylinositol. Nishi A, et al. Jpn J Pharmacol 1985 Aug;38(4):411-7
Metabolism of cerebrosides and sulfatides in the nervous system of Xenopus tadpole during metamorphosis. Okamura N, et al. Neurochem Res 1986 Apr;11(4):557-65

PHARMACODYNAMICS

Acidic lipids enhance cathepsin D cleavage of the myelin basic protein. Williams KR, et al. J Neurosci Res 1986; 15(2):137-45
Interaction of factor XI and sulfatide. Schiffman S, et al. Thromb Res 1986 Feb 15;41(4):575-80

URINE

Analysis of fatty acids and sphingosines from urinary sulfatides in a patient with metachromatic leukodystrophy by gas chromatography-mass spectrometry. Nishio H, et al. Brain Dev 1985;7(6):614-21

SULFATIDOSIS see LEUKODYSTROPHY, METACHROMATIC

SULFATION FACTOR see SOMATOMEDINS

SULFENIC ACIDS

Use of carboethoxysulfenyl chloride for disulfide bond formation. Le-Nguyen D, et al. **Int J Pept Protein Res** 1986 Mar;27(3):285-92

SULFHEMOGLOBIN

ANALYSIS

Green pigments in epidermal blisters of decomposed cadavers. Katsumata Y, et al. **Forensic Sci Int** 1985 Aug; 28(3-4):167-74

BIOSYNTHESIS

[Effect of the complex treatment on met- and sulfhemoglobin production in patients with varicose and post-thrombophlebitic ulcers of the lower extremities] Iupatov SI, et al. **Khirurgiia (Mosk)** 1986 May;(5):90-2 (Eng. Abstr.) **(Rus)**

METABOLISM

Sulfhemoglobin. Properties of partially sulfurated tetramers. Park CM, et al. **J Biol Chem** 1986 Jul 5;261(19):8805-10

SULFHYDRASES see under LYASES

SULFHYDRYL COMPOUNDS

gamma-Acetylenic GABA antagonizes the decrease in synaptosomal GABA concentrations but not the seizures induced by 3-mercaptopropionic acid in rats. Löscher W. **Biochem Pharmacol** 1986 Sep 15;35(18):3176-80

Formation of the thiol adducts of 4'-(9-acridinylamino)methanesulfon-m-anisidide and their binding to deoxyribonucleic acid. Wong A, et al. **Biochem Pharmacol** 1986 May 15;35(10):1655-62

Methyl transfer from methylcobalamin to thiols. A reinvestigation. Hogenkamp HP, et al. **Biochemistry** 1985 Nov 5;24(23):6428-32

On the mechanism of reactions of nitrosoarenes with thiols. Formation of a common intermediate "semimercaptal". Klehr H, et al. **Biol Chem Hoppe Seyler** 1985 Aug; 366(8):755-60

A new hybridocytochemical method based on mercurated nucleic acid probes and sulfhydryl-hapten ligands. II. Effects of variations in ligand structure on the in situ detection of mercurated probes. Hopman AH, et al. **Histochemistry** 1986;84(2):179-85

A new hybridocytochemical method based on mercurated nucleic acid probes and sulfhydryl-hapten ligands. I. Stability of the mercury-sulfhydryl bond and influence of the ligand structure on immunochemical detection of the hapten. Hopman AH, et al. **Histochemistry** 1986; 84(2):169-78

Lifetime of peroxyl radicals of poly(U), poly(A) and single- and double-stranded DNA and the rate of their reaction with thiols. Schulte-Frohlinde D, et al. **Int J Radiat Biol** 1986 Jul;50(1):103-10

Ferrochelatase from Rhodopseudomonas sphaeroides: substrate specificity and role of sulfhydryl and arginyl residues. Dailey HA, et al. **J Bacteriol** 1986 Jan;165(1):1-5

Extracorporeal removal of mercury by hemoperfusion through agarose-polymercaptal microsphere beads. Margel S, et al. **J Biomed Mater Res** 1984 Jul-Aug;18(6):617-29

Sulfur uptake by type I collagen from methyl mercaptan/dimethyl disulfide air mixtures. Johnson PW, et al. **J Dent Res** 1985 Dec;64(12):1361-4

Location of the interchain disulfide bonds of the fourth component of human complement (C4): evidence based on the liberation of fragments secondary to thiol-disulfide interchange reactions. Seya T, et al. **J Immunol** 1986 Jun 1;136(11):4152-6

Pararosaniline or acriflavine-Schiff staining of epoxy embedded tissue after periodic acid oxidation in ethanol: a method suitable for morphometric and fluorometric analysis of glycogen. Ferey L, et al. **Stain Technol** 1986 Mar;61(2):107-10

[Cross-linking of SH-groups in myosin heads changes the type of conformation changes in F-actin induced by myosin subfragment 1 or heavy meromyosin] Borovikov IuS, et al. **Dokl Akad Nauk SSSR** 1986 Mar-Apr;287(1):216-9 **(Rus)**

ADMINISTRATION & DOSAGE

[Therapeutic use of a combination containing calcium, vitamins, pantethine and carnitine in convalescence states in childhood] Canonaco F, et al. **Clin Ter** 1985 Oct 31; 115(2):95-9 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Adverse effects profile of sulfhydryl compounds in man. Jaffe IA. **Am J Med** 1986 Mar;80(3):471-6 (50 ref.)

ANALYSIS

A new combined quantitative cytophotometric method for estimating sulphydryl groups or disulphide bonds, and total protein in liver sections; applied to rats chronically exposed to cadmium. Morselt AF, et al. **Acta Histochem [Suppl] (Jena)** 1986;32:221-3

Fluorometric quantitation of cellular and nonprotein thiols. Ayers FC, et al. **Anal Biochem** 1986 Apr;154(1):186-93

Analysis of biological thiols: determination of thiol components of disulfides and thioesters. Fenton SS, et al. **Anal Biochem** 1986 Apr;154(1):34-42

A class of cleavable heterobifunctional reagents for thiol-directed high-efficiency protein crosslinking: synthesis and application to the analysis of protein contact sites in mammalian ribosomes. Hultin T. **Anal Biochem** 1986 Jun;155(2):262-9

A fluorogenic, mixed-disulfide reagent for thiol assay. Willis KJ, et al. **Anal Biochem** 1986 Mar;153(2):336-47

Unusual properties of crocodilian ovomacroglobulin shown in its methylamine treatment and sulfhydryl titration. Arakawa H, et al. **Arch Biochem Biophys** 1986 Feb 1; 244(2):447-53

Electrophoretic determination of sulfhydryl groups and its application to complex protein samples, in vitro protein synthesis mixtures, and cross-linked proteins. Stan-Lotter H, et al. **Biochem Cell Biol** 1986 Feb;64(2):154-60

Partial characterization of rat heart cytosolic phospholipase A1 and demonstration of essential sulfhydryl groups. Nalbone G, et al. **Biochim Biophys Acta** 1986 Jun 11; 877(1):88-95

Sulfhydryl groups of rabbit liver arylsulfatase A. Waheed A, et al. **Biochim Biophys Acta** 1985 Sep 20;831(1):67-73

Isotachophoretic analysis of mercaptoundecahydrododecaborate anion in human serum and urine. Ikeuchi I, et al. **Chem Pharm Bull (Tokyo)** 1985 Jun;33(6):2553-5

Development and application of organic reagents for analysis. VIII. Determination of biological thiols with a new fluorogenic thiol-selective reagent, N-(p-[2-(6-dimethylamino)benzofuranyl]phenyl)-maleimide. Nakashima K, et al. **Chem Pharm Bull (Tokyo)** 1986 Apr;34(4):1678-83

Reactive thiol groups in rat liver acid phosphatase. Navaratnam N, et al. **Enzyme** 1985;33(4):197-204

Active-site ionizations of papain. An evaluation of the potentiometric difference titration method. Migliorini M, et al. **Eur J Biochem** 1986 Apr 1;156(1):189-92

Thiol modification as a probe of conformational forms of the F1 ATPase of Escherichia coli and of the structural asymmetry of its beta subunits. Stan-Lotter H, et al. **Eur J Biochem** 1986 Jan 15;154(2):321-7

Tissue-specific and species-specific distribution of -SH groups in cytochrome c oxidase subunits. Stroh A, et al. **Eur J Biochem** 1986 Apr 1;156(1):199-204

A simple quantitative method for the estimation of free ecto-sulfhydryl groups of spermatozoa. Roy N, et al. **Exp Cell Res** 1986 Jun;164(2):415-25

Significant decreases in the intensity of staining for proteins and protein thiols in basal-cell epitheliomas (basaliomas) as compared to normal skin. Schauenstein E, et al. **Histochemistry** 1985;83(5):451-4

Ontogenetic pattern of taurine and free thiols in liver, heart and brain of rat. Bhargava HK, et al. **Indian J Exp Biol** 1985 Sep;23(9):505-7

Labile disulfide bonds and free thiol groups in human IgG. I. Assignment to IgG1 and IgG2 subclasses. Schauenstein E, et al. **Int Arch Allergy Appl Immunol** 1986;80(2):174-9

Labile disulfide bonds and free thiol groups in human IgG. II. Characteristic changes in malignant diseases corresponding to shifts of IgG1 and IgG2 subclasses. Schauenstein E, et al. **Int Arch Allergy Appl Immunol** 1986; 80(2):180-4

Chemical modification of thiol groups of mitochondrial F1-ATPase from the yeast Schizosaccharomyces pombe. Involvement of alpha- and gamma-subunits in the enzyme activity. Falson P, et al. **J Biol Chem** 1986 Jun 5; 261(16):7151-9

Evidence for a thiol ester in duck ovostatin (ovomacroglobulin). Nagase H, et al. **J Biol Chem** 1986 Jan 25;261(3):1421-6

Essential disulfide and sulfhydryl groups for organic cation transport in renal brush-border membranes. Sokol PP, et al. **J Biol Chem** 1986 Mar 5;261(7):3282-7

Ion-exchange high-performance liquid chromatographic studies on sulphydryl-catalysed structural alterations of bovine mercaptalbumin. Kuwata K, et al. **J Chromatogr** 1985 Sep 20;332:29-37

Fluorometric determination of 2,3-dimercaptopropane-1-sulfonic acid and other dithiols by precolumn derivatization with bromobimane and column liquid chromatography. Maiorino RM, et al. **J Chromatogr** 1986 Jan 24;374(2):297-310

High-performance liquid chromatographic studies on non-mercapt ie equilibrium with mercapt conversion of human serum albumin. II. Sogami M, et al. **J Chromatogr** 1985 Sep 20;332:19-27

Thiol-induced hydroxyl radical formation and scavenger effect of thiocarbamides on hydroxyl radicals. Motohashi N, et al. **J Inorg Biochem** 1986 Mar;26(3):205-12

Design, preparation, and biodistribution of a technetium-99m triamine dithiol complex to assess regional cerebral blood flow. Lever SZ, et al. **J Nucl Med** 1985 Nov;26(11):1287-94

Covalent chromatography by thiol-disulfide interchange of the highly-purified non-transformed rat liver glucocorticoid-receptor. Idziorek T, et al. **J Steroid Biochem** 1985 Nov;23(5A):593-7

Identification of sulphur-organic compounds obtained by thermal treatment of the meat broths in the presence of alkyl-mercaptopropanol. Mikhailova TV, et al. **Nahrung** 1985;29(7):671-80

Effect of whole-body gamma radiation on tissue sulphydryl contents in experimental rats. Sarkar SR, et al. **Radiobiol Radiother (Berl)** 1985;26(3):367-71

Reaction of fluorescein isothiocyanate with thiol and amino groups of sarcoplasmic ATPase. Swoboda G, et al. **Z Naturforsch [C]** 1985 Nov-Dec;40(11-12):863-75

[Distribution of -SH and S-S in human sebaceous glands and apocrine glands] Suzuki M, et al. **Nippon Hifuka Gakkai Zasshi** 1985 Jul;95(8):877-81 **(Jpn)**

[Characteristics of sulfhydryl groups of histone H3 from the calf thymus using mercury-containing nitroxyl radicals] Mil' EM, et al. **Biokhimiia** 1986 Mar;51(3):364-8 (Eng. Abstr.) **(Rus)**

BLOOD

Sulfhydryl substituents of the human erythrocyte hexose transport mechanism. Abbott RE, et al. **Am J Physiol** 1986 Jun;250(6 Pt 1):C853-60

Thiol-disulfide exchange by thrombospondin: evidence for a thiol and a disulfide bond protected by calcium. Turk JL, et al. **Arch Biochem Biophys** 1986 Mar;245(2):446-54

Effect of exposure to heat, hypoxia, cold, acceleration, and vibration stress on the total blood sulfhydryl groups in human subjects. Iyer EM, et al. **Aviat Space Environ Med** 1985 Nov;56(11):1097-101

Behavioral and physiological effects of chronic 2,450-MHz microwave irradiation of the rat at 0.5 mW/cm2. D'Andrea JA, et al. **Bioelectromagnetics** 1986;7(1):45-56

Long-term low dose ticlopidine treatment in rheumatoid arthritis: effects on serum sulphydryl levels, technetium index, erythrocyte sedimentation rate, and clinical disease activity. Grimaldi MG. **Eur J Clin Pharmacol** 1985; 29(2):165-8

Relationship between SH group reactivity and concentration of bovine serum albumin and rat plasma. Di Simplicio P, et al. **Pharmacol Res Commun** 1985 Oct;17(10):913-25

[Study of the blood level of sulfhydryl groups in patients with erysipelas as a test characterizing the probability of the development of recurrences] Frolov VM, et al. **Lab Delo** 1986;(2):98-100 (Eng. Abstr.) **(Rus)**

[Role of sulfhydryl groups in the pathogenesis of Duhring's dermatitis herpetiformis] Mirzoev IuA, et al. **Vestn Dermatol Venerol** 1985 Oct;(10):24-7 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Pantetheine and pantethine esters with hypolipidemic nicotinic acid derivatives. Picciòla G, et al. **Arzneimittelforschung** 1985;35(12):1768-71

DIAGNOSTIC USE

A clinical study of the prognostic value of technetium dimercaptosuccinic Acid uptake in renal obstruction. de Meyer JM, et al. **Acta Urol Belg** 1986;54(2):137-42

Visual determination of differential renal function. Kipper MS, et al. **Clin Nucl Med** 1986 May;11(5):313-8

Imaging of head and neck tumors with technetium(V)-99m DMSA. A new tumor-seeking agent. Ohta H, et al. **Clin Nucl Med** 1985 Dec;10(12):855-60

Technetium-99m DMSA imaging and the obstructed kidney. Piepsz A, et al. **Clin Nucl Med** 1986 Jun;11(6):389-91

Calculation of relative glomerular filtration rate and correlation with delayed technetium-99m DMSA imaging. Taylor A Jr, et al. **Clin Nucl Med** 1986 Jan;11(1):28-31

99mTc-DTPA and 99mTc-DMSA renal gamma imaging in the surveillance of patients with conduit urinary diversion. Lindell O, et al. **Eur J Nucl Med** 1986;12(2):80-5

HPLC determination of N-nitrosomethylurea in biological fluids by reaction with 4-nitrothiophenol. Yamamoto M, et al. **Food Chem Toxicol** 1986 Mar;24(3):247-50

The design of a pentavalent 99mTc-dimercaptosuccinate complex as a tumor imaging agent. Yokoyama A, et al. **Int J Nucl Med Biol** 1985;12(4):273-9

Poor results with technetium-99m (V) DMS and iodine-131 MIBG in the imaging of medullary thyroid carcinoma. Hilditch TE, et al. **J Nucl Med** 1986 Jul;27(7):1150-3

Technetium-99m DMSA uptake by metastatic carcinoma of the prostate [letter] Jeghers O, et al. **J Nucl Med** 1986 Jul; 27(7):1223-4

Failure to visualize acutely injured kidneys with technetium-99m DMSA does not preclude recoverable function. Taylor A Jr, et al. **J Nucl Med** 1986 Mar; 27(3):377-9

Potential pitfall of DMSA scintigraphy in patients with ureteral duplication. Wu F, et al. **J Nucl Med** 1986 Jul; 27(7):1154-6

Renal accumulation of 99mTc-DMSA in the artificially perfused isolated rat kidney. Goldraich NP, et al. **J Urol** 1985 Dec;134(6):1282-6

Sensitivity of 99mtechnetium-dimercaptosuccinic acid for the diagnosis of chronic pyelonephritis: clinical and theoretical considerations. Stoller ML, et al. **J Urol** 1986

May;135(5):977–80
The relationship between renal parenchymal mass and absolute quantitation of 99Tcm–DMSA uptake. An experimental study in the growing pig. Godley ML, et al. **Nucl Med Commun** 1985 Jul;6(7):377–88
Use of Tc–99m DMSA and Tc–99m DTPA in reflux. Gordon I. **Semin Urol** 1986 May;4(2):99–107
99mTc(V)–dimercaptosuccinic acid scintigraphy for medullary thyroid carcinoma. Miyauchi A, et al. **World J Surg** 1986 Aug;10(4):640–5
[Renal function study by 99mTc–DMSA renal scintigraphy in each treatment of staghorn calculi] Hida S, et al. **Hinyokika Kiyo** 1985 Aug;31(8):1401–6 (Eng. Abstr.) (Jpn)
[The use of 99mTc–dimercaptosuccinic acid renoscintigraphy in the evaluation of differential renal function] Okamura K, et al. **Hinyokika Kiyo** 1985 Jun;31(6):931–6 (Eng. Abstr.) (Jpn)
[Tumor imaging using Tc(V)–99m dimercaptosuccinic acid, a newly developed radiopharmaceutical: its clinical usefulness] Ohta H, et al. **Kaku Igaku** 1985 Nov; 22(11):1653–60 (Eng. Abstr.) (Jpn)
[The value of 99mTc–DMSA uptake in renal function test] Watanabe M. **Nippon Hinyokika Gakkai Zasshi** 1985 Oct; 76(10):1504–15 (Eng. Abstr.) (Jpn)
[Estimation of 99mTc–dimercaptosuccinic acid renal uptake using single photon emission computed tomography] Ohishi Y, et al. **Radioisotopes** 1986 Mar;35(3):115–21 (Eng. Abstr.) (Jpn)

ISOLATION & PURIFICATION

Hydrolyzed casein as a source of bifidus factor. Zbikowski Z, et al. **Nahrung** 1986;30(3–4):415–6
Structure of component B (7–mercaptoheptanoylthreonine phosphate) of the methylcoenzyme M methylreductase system of Methanobacterium thermoautotrophicum. Noll KM, et al. **Proc Natl Acad Sci USA** 1986 Jun;83(12):4238–42

METABOLISM

The effect of chelating agents on the elemental composition of sarcoplasmic reticulum: the reactivity of SH groups with N–(1–pyrene)maleimide. Papp S, et al. **Arch Biochem Biophys** 1985 Nov 15;243(1):254–63
Oxidative stress impairs the function of sarcoplasmic reticulum by oxidation of sulfhydryl groups in the Ca2+–ATPase. Scherer NM, et al. **Arch Biochem Biophys** 1986 May 1;246(2):589–601
DNA strand scission by hemin–thiolate complexes as models of cytochrome P–450. Sakurai H, et al. **Biochem Biophys Res Commun** 1986 Apr 29;136(2):645–50
Covalent binding of a mercaptan S–sulfate to hepatic cytosolic proteins and its inhibition by glutathione. Watabe T, et al. **Biochem Biophys Res Commun** 1986 Jun 30; 137(3):1055–60
The S–sulfate formation from 4–nitrobenzyl mercaptan in rat liver cytosol. Watabe T, et al. **Biochem Biophys Res Commun** 1985 Sep 16;131(2):687–93
A novel pathway for formation of thiol–containing metabolites from cysteine conjugates. Tomisawa H, et al. **Biochem Pharmacol** 1986 Jul 1;35(13):2270–2
Iodoacetylated and biotinylated liposomes: effect of spacer length on sulfhydryl ligand binding and avidin precipitability. Hashimoto K, et al. **Biochim Biophys Acta** 1986 Apr 25;856(3):556–65
Cyanylation of 3–hydroxybutyrate dehydrogenase. The "essential" sulfhydryl group is not involved in catalysis. Dubois H, et al. **Biol Chem Hoppe Seyler** 1986 Apr; 367(4):343–53
Inhibition of DNA polymerase alpha from leukemic and normal human cells by partially thiolated human deoxyribonucleic acids. Ho YK, et al. **Cancer Biochem Biophys** 1985 Dec;8(2):85–94
Cytotoxicity, thiol depletion and inhibition of O6–methylguanine–DNA methyltransferase by various aldehydes in cultured human bronchial fibroblasts. Krokan H, et al. **Carcinogenesis** 1985 Dec;6(12):1755–9
Fluorescence studies on tryptophan and sulfhydryl group changes of bovine lens crystallins in a photodynamic system. Andley UP, et al. **Curr Eye Res** 1985 Aug; 4(8):831–42
Superficial membrane –SH groups inaccessible by intracellular GSH. Hightower KR. **Curr Eye Res** 1986 Jun; 5(6):421–7
Depletion and resynthesis of tissue thiols by helenalin and tenulin. Anderson AC, et al. **Drug Chem Toxicol** 1986; 9(1):75–81
Hepatic cysteamine and non–protein sulfhydryl levels following cystamine or cysteamine treatment of galactosamine–poisoned rats. MacDonald JR, et al. **Drug Chem Toxicol** 1985;8(6):483–94
Long–term effect of hypophysectomy on various fractions of sulfhydryl groups in thyroid, adrenal and some other organs in rats. Sedlák J. **Endocrinol Exp (Bratisl)** 1985 Sep; 19(3):186–92
Thiol regulation of depletion–transformation and release of prolactin by the pituitary of the lactating rat. Mena F, et al. **Endocrinology** 1986 May;118(5):1795–802
Diamide blocks H+ conductance in mitochondrial H+–ATPase by oxidizing FB dithiol. Huang Y, et al. **FEBS Lett** 1985 Nov 11;192(1):83–7
Role of sulfhydryls in the hepatotoxicity of organic and metallic compounds. Klaassen CD, et al. **Fundam Appl Toxicol** 1985 Oct;5(5):806–15
Disposition of [14C]dimercaptosuccinic acid in mice. Liang YY, et al. **Fundam Appl Toxicol** 1986 Apr;6(3):532–40
Cell surface thiols, but not intracellular glutathione, are essential for cytolysis by a cloned murine natural killer cell line. Ristow SS, et al. **Immunol Invest** 1985 Oct; 14(5):401–14
Benzoylamidoacetonitrile is bound as a thioimidate in the active site of papain. Brisson JR, et al. **J Biol Chem** 1986 Jul 15;261(20):9087–9
Labeling of functionally sensitive sulfhydryl–containing domains of acetylcholine receptor from Torpedo californica membranes. Clarke JH, et al. **J Biol Chem** 1986 Aug 5;261(22):10063–72
Mechanism–based fragmentation of coenzyme A transferase. Comparison of alpha 2–macroglobulin and coenzyme A transferase thiol ester reactions. Howard JB, et al. **J Biol Chem** 1986 Jan 5;261(1):60–5
Neurospora crassa mitochondria contain two forms of a 4'–phosphopantetheine–modified protein. Lakin–Thomas PL, et al. **J Biol Chem** 1986 Apr 15;261(11):4785–8
Differential induction of glucose–regulated and heat shock proteins: effects of pH and sulfhydryl–reducing agents on chicken embryo cells. Whelan SA, et al. **J Cell Physiol** 1985 Nov;125(2):251–8
Metabolism of pantethine in cystinosis. Wittwer CT, et al. **J Clin Invest** 1985 Oct;76(4):1665–72
K+:Cl– cotransport: sulfhydryls, divalent cations, and the mechanism of volume activation in a red cell. Lauf PK. **J Membr Biol** 1985;88(1):1–13 (94 ref.)
Cephalosporin–induced hypoprothrombinemia: possible role for thiol methylation of 1–methyltetrazole–5–thiol and 2–methyl–1,3,4–thiadiazole–5–thiol. Kerremans AL, et al. **J Pharmacol Exp Ther** 1985 Nov;235(2):382–8
Regioselective reaction of thiols with catechol estrogens and estrogen–O–quinones. Abul–Hajj YJ, et al. **J Steroid Biochem** 1986 Aug;25(2):245–7
Enzymatic hydrolysis of pantetheine. Wittwer CT, et al. **Methods Enzymol** 1986;122:36–43
A sulfhydryl redox model of antibody–dependent phagocytosis. Petty HR. **Mol Immunol** 1985 Aug; 22(8):1001–3
The reaction between organic nitrates and sulfhydryl compounds. A possible model system for the activation of organic nitrates. Yeates RA, et al. **Mol Pharmacol** 1985 Dec;28(6):555–9
Are sulfhydryl groups essential for function of the glutamate–operated receptor–ionophore complex? Kiskin NI, et al. **Neurosci Lett** 1986 May 23;66(3):305–10
The effect of depletion of nonprotein sulfhydryls by diethyl maleate plus buthionine sulfoximine on renal uptake of mercury in the rat. Baggett JM, et al. **Toxicol Appl Pharmacol** 1986 May;83(3):556–62
[Organ–dependent sulfhydryl group reduction in acute mercury poisoning and the effects of mono– and dithiol antidotes and the protein hydrolysate Khidroprot] Ivanov N, et al. **Eksp Med Morfol** 1985;24(2):45–9 (Eng. Abstr.) (Bul)
[Free radical oxidation of lipids and thiol groups in the formation of a cataract] Babizhaev MA, et al. **Biofizika** 1986 Jan–Feb;31(1):109–14 (Eng. Abstr.) (Rus)
[Non–equivalency of SH groups essential for the activity of mitochondrial creatine kinase] Belousova LV, et al. **Biokhimiia** 1986 Mar;51(3):478–93 (Eng. Abstr.) (Rus)
[Thiol–dependent generation of superoxide radical induced by menadione and vicasol] Gerasimov AM, et al. **Biokhimiia** 1985 Nov;50(11):1872–6 (Eng. Abstr.) (Rus)
[Contribution of antioxidants and endogenous thiols to the support of body radioresistance] Burlakova EB, et al. **Izv Akad Nauk SSSR [Biol]** 1985 Jul–Aug;(4):588–93 (Eng. Abstr.) (Rus)
[Nonmonotonous increase in the content of sulfhydryl groups during the growth of a synchronous Escherichia coli culture] Rybina VV, et al. **Izv Akad Nauk SSSR [Biol]** 1986 May–Jun;(3):473–5 (Eng. Abstr.) (Rus)
[Sulfhydryl group distribution along the axis of the rod outer segment in the frog] Derevianchenko TG, et al. **Tsitologiia** 1985 Oct;27(10):1197–9 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Protection against radiation induced chromosome injury by sulfhydryl compounds. Gupta R, et al. **Acta Radiol [Oncol]** 1985 Sep–Oct;24(5):419–25
Activation and inhibition of yeast aldehyde dehydrogenase activity by pantethine and its metabolites. Watanabe A, et al. **Ann Nutr Metab** 1986;30(1):54–7
Hypoglycemic activity of MTP–1403 (2–amino–7,8–dihydro–4–piperazinyl–6H–thiopyrano 3,2–d pyrimidine), a new hypoglycemic agent. Kunoh Y, et al. **Arch Int Pharmacodyn Ther** 1986 Apr;280(2):302–13
The effects of pantethine on lipid and lipoprotein abnormalities in survivors of cerebral infarction. Murai A, et al. **Artery** 1985;12(4):234–43
Pharmacological study of a new hypolipidemic drug of prolonged activity, the tetraester of pantethine with 3–(3–pyridinemethoxycarbonyl)propionic acid. Gentili P, et al. **Arzneimittelforschung** 1985;35(12):1772–7
Pantetheine and pantethine esters with hypolipidemic nicotinic acid derivatives. Picciòla G, et al. **Arzneimittelforschung** 1985;35(12):1768–71
Effects of pantethine on in–vitro peroxidation of low density lipoproteins. Bon GB, et al. **Atherosclerosis** 1985 Oct; 57(1):99–106
Effects of pantethine on cholesterol synthesis from mevalonate in isolated rat hepatocytes. Cighetti G, et al. **Atherosclerosis** 1986 Apr;60(1):67–77
Significance of sulfhydryl compounds in the manifestation of fluoroacetate toxicity to the rat, brush–tailed possum, woylie and western grey kangaroo. Mead RJ, et al. **Aust J Biol Sci** 1985;38(2):139–49
Inhibition of the catalytic subunit of phosphorylase phosphatase by oxalyl thioesters and its possible relevance to the mechanism of insulin action. Gunshore S, et al. **Biochem Biophys Res Commun** 1986 Jan 14;134(1):93–9
Nucleoside transport in Walker 256 rat carcinosarcoma and S49 mouse lymphoma cells. Differences in sensitivity to nitrobenzylthioinosine and thiol reagents. Belt JA, et al. **Biochem J** 1985 Dec 15;232(3):681–8
Site–specific and bulk–phase generation of hydroxyl radicals in the presence of cupric ions and thiol compounds. van Steveninck J, et al. **Biochem J** 1985 Nov 15;232(1):309–11
On the role of thiol groups in the inhibition of liver microsomal Ca2+ sequestration by toxic agents. Thor H, et al. **Biochem Pharmacol** 1985 Oct 15;34(20):3717–23
Thiol modulation of chloroplast CF0–CF1 in isolated barley (Hordeum vulgare) protoplasts. Mills JD, et al. **Biochem Soc Trans** 1986 Feb;14(1):20–2
Modulation of activity of human alkaline phosphatases by Mg2+ and thiol coempounds. Navaratnam N, et al. **Biochim Biophys Acta** 1986 Jan 17;869(1):99–105
Protection against ionising radiation and synergism with thiols by zinc aspartate. Floersheim GL, et al. **Br J Radiol** 1986 Jun;59(702):597–602
Temperature–dependent influence of thiols upon glutathione levels in Chinese hamster ovary cells at cytotoxic concentrations. Issels RD, et al. **Cancer Res** 1985 Dec;45(12 Pt 1):6219–24
Thiols and pancreatic beta–cell function: a review. Ammon HP, et al. **Cell Biochem Funct** 1985 Jul;3(3):157–71 (97 ref.)
Effects of various thiols on paraquat toxicity. Szabó L, et al. **Comp Biochem Physiol [C]** 1986;83(1):149–53
Regulation of thiol environment of the N–demethylation and ring hydroxylation of N,N–dimethyl–4–aminoazobenzene (DAB) by rat liver microsomes. Levine WG. **Drug Metab Dispos** 1986 Jan–Feb;14(1):13–8
Reversal by thiols of dopamine–, stalk–median eminence–, and zinc–induced inhibition of prolactin transformation in adenohypophyses of lactating rats. Martinez–Escalera G, et al. **Endocrinology** 1986 May;118(5):1803–7
Thiol–dependent proteases of African trypanosomes. Analysis by electrophoresis in sodium dodecyl sulphate/polyacrylamide gels co–polymerized with fibrinogen. Lonsdale–Eccles JD, et al. **Eur J Biochem** 1986 Mar 17;155(3):469–73
Protective action of thiols on neutrophil function. Bridges RB. **Eur J Respir Dis [Suppl]** 1985;139:40–8
The effect of sulfhydryl compounds on the catalytic activity of Cu, Zn–superoxide dismutase purified from rat liver. Hoshino T, et al. **Experientia** 1985 Nov 15;41(11):1416–9
Agarose gel electrophoretic evidence for domains of nuclear DNA linked with bonds cleavable with sulfhydryl molecules. Taş S, et al. **FEBS Lett** 1985 Oct 21; 191(1):136–40
Stimulation of myogenesis by 2,2'–thiodiethanol in suboptimal tissue culture conditions. Reiss K, et al. **Folia Histochem Cytobiol** 1985;23(3):109–16
Protection by metals against ethanol–induced gastric mucosal injury in the rat. Comparative biochemical and pharmacologic studies implicate protein sulfhydryls. Dupuy D, et al. **Gastroenterology** 1986 Oct;91(4):966–74
Stimulation of proliferation of murine lymphocytes by the calcium ionophore A 23187 in the absence of serum: the requirement for thiols. Burger M, et al. **Immunol Lett** 1986 Mar;12(2–3):121–5
Reversal of the biological activity of Escherichia coli heat–stable enterotoxin by disulfide–reducing agents. ElDeib MM, et al. **Infect Immun** 1986 Jan;51(1):24–30
Inhibition of cholera toxin production by thiols in Vibrio cholerae. Shimamura T, et al. **Infect Immun** 1986 Sep; 53(3):700–1
Depression of Con A proliferative response of immune cells by in vitro hyperoxic exposure—protective effects of thiol compounds. Kraus L, et al. **Int J Immunopharmacol** 1985; 7(5):753–60
The influence of thiols on the pre–irradiation incubation effect of nitroimidazoles in E. coli cells. Anderson RF, et al. **Int J Radiat Biol** 1985 Oct;48(4):485–94
Potentiation of nitrogen mustard cytotoxicity to leukemia cells by sulfur–containing compounds administered in vivo. Valeriote F, et al. **Int J Radiat Oncol Biol Phys** 1986 Jul; 12(7):1165–9
Macrophage activation with pantethine and pantetheine–4'–phosphate. Iida J, et al. **Int J Vitam Nutr Res** 1985;55(4):405–11
Interaction of naphthomycin A with sulfhydryl compounds. Okabe T, et al. **J Antibiot (Tokyo)** 1986 Feb;39(2):316–7
Two functional domains of coenzyme A activate catalysis by coenzyme A transferase. Pantetheine and adenosine 3'–phosphate 5'–diphosphate. Fierke CA, et al. **J Biol Chem** 1986 Jun 15;261(17):7603–6
Substituted 1–benzylimidazole–2–thiols as potent and orally active inhibitors of dopamine beta–hydroxylase. Kruse LI, et al. **J Med Chem** 1986 Jun;29(6):887–9

Thiol addition to quinones: model reactions for the inactivation of thymidylate synthase by 5-p-benzoquinonyl-2'-deoxyuridine 5'-phosphate.
Vadnere MK, et al. **J Med Chem** 1986 Sep;29(9):1714–20

The effects of K+-depolarization medium, chelating agents and thiol groups on cadmium uptake and efflux in the guinea-pig taenia coli. Nasu T, et al.
J Pharm Pharmacol 1985 Aug;37(8):536–41

Arsenic excretion after treatment of arsenic poisoning with DMSA or DMPS in mice. Maehashi H, et al.
Jpn J Pharmacol 1986 Jan;40(1):188–90

Effect of probucol, pantethine and their combinations on serum lipoprotein metabolism and on the incidence of atheromatous lesions in the rabbit. Tawara K, et al.
Jpn J Pharmacol 1986 Jun;41(2):211–22

Cysteamine, zinc, and thiols modify detectability of rat pituitary prolactin: a comparison with effects on bovine prolactin suggests differences in hormone storage. Jacobs LS, et al. **Metabolism** 1986 Mar;35(3):209–15

Inhibition of Candida albicans by methanethiol produced by Brevibacterium linens. Lewis BA. **Microbiologics** 1985 Oct; 8(4):387–90

Protein sulfhydryl reactivity and sperm activation. Hino A, et al. **Prog Clin Biol Res** 1986;217B:69–73

Prevention of acrylonitrile-induced gastrointestinal bleeding by sulfhydryl compounds, atropine and cimetidine. Ghanayem BI, et al.
Res Commun Chem Pathol Pharmacol 1986 Jul;53(1):141–4

Comparative antidotal effects of diethyldithiocarbamate, dimercaptosuccinate, and diethylenetriaminepentaacetate against cadmium-induced testicular toxicity in mice. Walker EM Jr, et al.
Res Commun Chem Pathol Pharmacol 1986 Feb; 51(2):231–44

Loss of Ytb antigen activity after treatment of red cells with either dithiothreitol or 2-mercaptoethanol [letter] Shulman IA, et al. **Transfusion** 1986 Mar-Apr;26(2):214

[Kinetics of the cell population of transplantable murine B-16 melanoma after administration of mercaptoundecahydrododecaborate enriched with 10B] Shabalkin IP, et al. **Med Radiol (Mosk)** 1985 Nov; 30(11):32–4 (Eng. Abstr.) **(Rus)**

[Effect of dye quality and the method of preparing a Schiff reagent on the staining intensity and DNA-fuchsin absorption spectra in performing the Feulgen reaction] Magakian IuA, et al. **Tsitologiia** 1985 Sep;27(9):1078–85 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The role of lysyl, arginyl, and sulfhydryl residues in estrogen receptor activation, 4S to 5S dimerization, and conversion of receptor from a state with low affinity into a state with higher affinity for estrogen. Müller RE, et al.
Ann NY Acad Sci 1986;464:202–17 (38 ref.)

The role of mitochondrial glutathione and cellular protein sulfhydryls in formaldehyde toxicity in glutathione-depleted rat hepatocytes. Ku RH, et al.
Arch Biochem Biophys 1986 May 15;247(1):183–9

The importance of membrane sulfhydryl groups to calcium homeostasis in the lens. Hightower KR. **Curr Eye Res** 1985 Aug;4(8):857–65

Survival curves of glutathione synthetase deficient human fibroblasts: correlation between radiosensitivity in hypoxia and glutathione synthetase activity. Debieu D, et al.
Int J Radiat Biol 1985 Oct;48(4):525–43

RADIATION EFFECTS

[Changes in the SH-group level and respiration during gamma- and Fe2+-induced lipid peroxidation in Ehrlich ascites carcinoma cells] Sellanov AS, et al.
Radiobiologiia 1986 May-Jun;26(3):394–7 (Eng. Abstr.) **(Rus)**

[Effect of ionizing radiation on sulfur-containing drugs] Trokhimchuk VV, et al. **Voen Med Zh** 1986 Jun;(6):50–1 **(Rus)**

THERAPEUTIC USE

2-Mercaptopropionylglycine and related compounds in treatment of mitochondrial dysfunction and postischemic myocardial damage. Fuchs J, et al.
Arzneimittelforschung 1985;35(9):1394–402

Pantethine improves the lipid abnormalities of chronic hemodialysis patients: results of a multicenter clinical trial. Donati C, et al. **Clin Nephrol** 1986 Feb;25(2):70–4

Changes in fatty acid composition of the single platelet phospholipids induced by pantethine treatment. Gensini GF, et al. **Int J Clin Pharmacol Res** 1985;5(5):309–18

Pantethine versus fenofibrate in the treatment of type II hyperlipoproteinemia. Postiglione A, et al.
Monogr Atheroscler 1985;13:145–8

[Antidotal effect of sodium dimercaptosuccinate against acute poisoning by the monosodium salt of 2-dimethylamino-1,3-bisthiosulfo-propane] Chen ZK, et al. **Chung Kuo Yao Li Hsueh Pao** 1985 Sep;6(3):204–7 (Eng. Abstr.) **(Chi)**

[Use of pantethine in dyslipidemia of chronic uremic patients under dialysis treatment] Bergesio F, et al. **G Clin Med** 1985 Nov-Dec;66(11-12):433–40 (Eng. Abstr.) **(Ita)**

[Effect of pantethine therapy in chronic uremic patients undergoing hemodialysis with type IV hyperlipoproteinemia] Seghieri G, et al. **G Clin Med** 1985 May-Jun;66(5-6):187–92 (Eng. Abstr.) **(Ita)**

[Clinico-therapeutic importance of pantethine against seborrheic states of the scalp] Solaroli C, et al.
G Ital Dermatol Venereol 1986 Jan-Feb;121(1):1–X (Eng. Abstr.) **(Ita)**

TOXICITY

The effect of methanethiol and methionine toxicity on the activities of cytochrome c oxidase and enzymes involved in protection from peroxidative damage. Finkelstein A, et al. **J Nutr** 1986 Feb;116(2):204–15

URINE

Analysis of thiodiglycol in urine of victims of an alleged attack with mustard gas. Wils ER, et al.
J Anal Toxicol 1985 Nov-Dec;9(6):254–7

SULFHYDRYL COMPOUNDS ANTAGONISTS see **SULFHYDRYL REAGENTS**

SULFHYDRYL COMPOUNDS INHIBITORS see **SULFHYDRYL REAGENTS**

SULFHYDRYL REAGENTS

Development and application of organic reagents for analysis. VIII. Determination of biological thiols with a new fluorogenic thiol-selective reagent, N-(p-[2-(6-dimethylamino)benzofuranyl]phenyl)-maleimide. Nakashima K, et al.
Chem Pharm Bull (Tokyo) 1986 Apr;34(4):1678–83

PHARMACODYNAMICS

Differential sensitivities of the subunits of mammalian ribonucleotide reductase to proteases, sulfhydryl reagents, and heat. Sato A, et al. **Arch Biochem Biophys** 1986 Feb 1;244(2):572–9

Inhibition of D-glucose uptake by isatin in rat intestine: effect of harmaline and various sulfhydryl reagents. Nagpal JP, et al. **Biochem Med** 1985 Oct;34(2):207–13

Effects of heavy metal cations, sulfhydryl reagents and other chemical agents on striatal D2 dopamine receptors. Scheuhammer AM, et al. **Biochem Pharmacol** 1985 Oct 1; 34(19):3405–13

The sulfhydryls of firefly luciferase are not essential for activity. Alter SC, et al. **Biochemistry** 1986 Apr 8; 25(7):1599–605

Interaction of pantetheinase with sulfhydryl reagents and disulfides. Ricci G, et al. **Biochim Biophys Acta** 1986 Mar 7;870(1):82–91

Conformational studies of lipoprotein B and apolipoprotein B: effects of disulfide reducing agents, sulfhydryl blocking agent, denaturing agents, pH and storage. Singh S, et al.
Biochim Biophys Acta 1986 May 21;876(3):460–8

Control of red cell urea and water permeability by sulfhydryl reagents. Toon MR, et al. **Biochim Biophys Acta** 1986 Aug 21;860(2):361–75

Inhibition by divalent cations and sulphydryl reagents of the passive Ca2+ transport in human red blood cells observed in the presence of vanadate. Varečka L, et al.
Biochim Biophys Acta 1986 Apr 25;856(3):585–94

Mersalyl, a sulfhydryl reagent, alters the solubility of myosin and cytoskeletal proteins of human platelets. Yoshida K, et al. **Biochim Biophys Acta** 1986 Feb 19;880(2-3):197–203

Sulfhydryl reducing agents and shape regulation in human erythrocytes. Truong HT, et al. **Blood** 1986 Jan; 67(1):214–21

Generation of calcium action potentials in crustacean muscle fibers following exposure to sulfhydryl reagents. Zuazaga C, et al. **Comp Biochem Physiol [C]** 1985;82(2):409–16

Different modes of action of sodium arsenite, 3-aminobenzamide, and caffeine on the enhancement of ethyl methanesulfonate clastogenicity. Jan KY, et al.
Cytogenet Cell Genet 1986;41(4):202–8

Activation of bovine muscle carbonic anhydrase by modification of thiol groups. Engberg P, et al.
Eur J Biochem 1986 Apr 15;156(2):407–12

Gastric (H+ + K+)-ATPase: modulation of the inhibitory properties of the novel potent antisecretagogue Ro 18-5364 by sulfhydryl reagents and nucleotides. Sigrist-Nelson K, et al. **FEBS Lett** 1986 Mar 3;197(1-2):187–91

Histochemical modification of the active site of succinate dehydrogenase with N-acetylimidazole. Nakae Y, et al.
Histochem J 1986 Apr;18(4):169–74

Effects of methyl mercuric chloride and sulfhydryl inhibitors on phospholipid synthetic activity of lymphocytes. Kageyama K, et al. **J Appl Toxicol** 1986 Feb;6(1):49–53

Assignment of catalytically essential cysteine residues in aspartase by selective chemical modification with N-(7-dimethylamino-4-methylcoumarynyl)maleimide. Ida N, et al. **J Biochem (Tokyo)** 1985 Sep;98(3):793–7

Effects of ionic strength and sulfhydryl reagents on the binding of creatine phosphokinase to heart mitochondrial inner membranes. Wenger WC, et al.
J Bioenerg Biomembr 1985 Oct;17(5):295–303

The role of the essential sulfhydryl group in assimilatory NADH: nitrate reductase of Chlorella. Barber MJ, et al.
J Biol Chem 1986 Apr 5;261(10):4562–7

Cellular transglutaminase. Lung matrix-associated transglutaminase: characterization and activation with sulfhydryls. Cocuzzi ET, et al. **J Biol Chem** 1986 Jun 25; 261(18):8122–7

A high resolution NMR study of localized dynamic and structural perturbations in human hemoglobin modified with thiol reagents. Craescu CT, et al. **J Biol Chem** 1985 Dec 15;260(29):15616–22

Modification of the calmodulin-stimulated phosphatase, calcineurin, by sulfhydryl reagents. King MM.
J Biol Chem 1986 Mar 25;261(9):4081–4

Hexose transport in L6 rat myoblasts. II. The effects of sulfhydryl reagents. D'Amore T, et al. **J Cell Physiol** 1986 Apr;127(1):106–13

[Production of H2O2 in mitochondria: action of various sulfhydryl reagents] Marzulli D, et al.
Boll Soc Ital Biol Sper 1985 Sep 30;61(9):1239–46 (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

The antimetastatic and tumor growth retarding effects of sulfur containing analogs of nicotinamide. Grassetti DR.
Cancer Lett 1986 May;31(2):187–95

SULFIDES

Isolation, characterization and thiol exchange reaction of penicillamine selenotrisulfides. Nakagawa T, et al.
Biochem Biophys Res Commun 1986 Feb 26;135(1):183–8

Visco-elastic properties of dental elastomeric impression materials. Braden M, et al. **Biomaterials** 1986 Jan;7(1):45–8

Potential antiradiation drugs containing no nitrogen, and related compounds. Bowman GT, et al.
Chem Biol Interact 1986 Feb;57(2):161–74

Corrosion of dental amalgams in solutions of sodium chloride, sodium sulfide and ammonia. Palaghias G.
Scand J Dent Res 1986 Jun;94(3):274–80

[The determination of 226Ra in environmental samples with zinc sulfide powder] Abukawa J, et al. **Radioisotopes** 1985 Nov;34(11):632–5 **(Jpn)**

[Thermal method for the accelerated regeneration of silt sulfide mud] Krivobokov NG, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 1985 Nov-Dec; (6):51–4 **(Rus)**

ANALYSIS

Detection of thioethers of pharmaceutical importance by liquid chromatography with on-line generated bromine. Kok WT, et al. **Anal Chem** 1985 Nov;57(13):2580–3

ANTAGONISTS & INHIBITORS

Reversal of sulfide-induced effects on porphyrin metabolism by exogenous heme. Savolainen H, et al.
Res Commun Chem Pathol Pharmacol 1985 Nov; 50(2):245–50

CHEMICAL SYNTHESIS

Synthesis and structure-activity relationship studies of a series of 5-aryl-4,6-dithianonanedioic acids and related compounds: a novel class of leukotriene antagonists. Perchonock CD, et al. **J Med Chem** 1986 Aug; 29(8):1442–52

METABOLISM

An evidence of the peroxidase-dependent oxygen transfer from hydrogen peroxide to sulfides. Kobayashi S, et al.
Biochem Biophys Res Commun 1986 Feb 26;135(1):166–71

Comparison of sulfide oxygenation mechanism for liver microsomal FAD-containing monooxygenase with that for cytochrome P-450. Oae S, et al.
Biochem Biophys Res Commun 1985 Sep 16;131(2):567–73

Release of zinc sulphide accumulations into synaptic clefts after in vivo injection of sodium sulphide. Pérez-Clausell J, et al. **Brain Res** 1986 Jan 8;362(2):358–61

Selective oxidation and reduction of methionine residues in peptides and proteins by oxygen exchange between sulfoxide and sulfide. Shechter Y. **J Biol Chem** 1986 Jan 5;261(1):66–70

PHARMACODYNAMICS

Release of zinc sulphide accumulations into synaptic clefts after in vivo injection of sodium sulphide. Pérez-Clausell J, et al. **Brain Res** 1986 Jan 8;362(2):358–61

Effects of garlic oil on streptozotocin-diabetic rats maintained on normal and high fat diets. Parva D, et al.
Indian J Biochem Biophys 1986 Feb;23(1):24–7

Effects of allyl methyl trisulfide on glutathione S-transferase activity and BP-induced neoplasia in the mouse. Sparnins VL, et al. **Nutr Cancer** 1986;8(3):211–5

[Effect of Actisoufre on the mucosa in rhinosinus pathology using the Proetz displacement technic] Penet O.
Rev Laryngol Otol Rhinol (Bord) 1985;106(2):137–9 (Eng. Abstr.) **(Fre)**

[Mutagenic activity of chlorodimethylsulfide and some of its aniline derivatives] Vito M, et al.
Boll Soc Ital Biol Sper 1985 Jun 30;61(6):917–23 (Eng. Abstr.) **(Ita)**

POISONING

Barium sulfide poisoning. Agarwal SK, et al.
J Assoc Physicians India 1986 Feb;34(2):151

THERAPEUTIC USE

Effect of garlic oil on the pancreas of experimental diabetes in guineapigs. Begum H, et al.
Bangladesh Med Res Counc Bull 1985 Dec;11(2):64–8

[Changes in blood viscosity and central hemodynamics in patients with essential hypertension during treatment with sulfide baths] Kharkharov MA, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 1986 Jan–Feb;(1):13–6 (Eng. Abstr.) (Rus)

URINE

Thioethers in urine during occupational exposure to tetrachloroethylene. Lafuente A, et al. **Br J Ind Med** 1986 Jan;43(1):68–9

Excretion of thioethers in urine after exposure to electrophilic chemicals. Henderson PT, et al. **IARC Sci Publ** 1984; (59):173–87

Analysis of chlorophenylmethylsulfides in the urine of rats injected with chlorobenzene by high performance liquid chromatography. Yoshida M, et al. **Ind Health** 1985; 23(4):283–7

SULFINIC ACIDS

Sulfonyl chloride activation of hydroxylic materials. Scouten WH, et al. **J Chromatogr** 1986 Apr 11;376:289–98

POISONING

Suicide by exposure to sulfuryl fluoride. Scheuerman EH. **J Forensic Sci** 1986 Jul;31(3):1154–8

SULFINPYRAZONE

ADMINISTRATION & DOSAGE

Prevention of postoperative deep vein thrombosis by a combination of subcutaneous heparin with subcutaneous dihydroergotamine or oral sulphinpyrazone. Veth G, et al. **Thromb Haemost** 1985 Oct 30;54(3):570–3

ADVERSE EFFECTS

Impairment of renal function due to sulphinpyrazone after coronary artery bypass surgery: a prospective double-blind study. Boelaert J, et al. **J Cardiovasc Pharmacol** 1986 Mar–Apr;8(2):386–91

ANALYSIS

Determination of sulfinpyrazone and four metabolites in plasma and urine by high pressure liquid chromatography. Lentjes EG, et al. **Pharm Weekbl [Sci]** 1985 Dec 13; 7(6):252–9

PHARMACODYNAMICS

The influence of antiplatelet drugs on injury-stimulated migration of cultured smooth muscle cells. Grunwald J, et al. **Artery** 1985;12(5):324–36

A protective effect of sulphinpyrazone against coronary occlusion-induced shortening of myocardial refractory periods in the rat. Northover BJ. **Br J Pharmacol** 1986 May;88(1):141–8

The warfarin-sulfinpyrazone interaction: stereochemical considerations. Toon S, et al. **Clin Pharmacol Ther** 1986 Jan;39(1):15–24

Influence of cimetidine, sulfinpyrazone, and cigarette smoking on theobromine metabolism in man. Miners JO, et al. **Drug Metab Dispos** 1985 Sep–Oct;13(5):598–601

Interference by sulphinpyrazone with the antihypertensive effects of oxprenolol. Ferrara LA, et al.
Eur J Clin Pharmacol 1986;29(6):717–9

Interaction of non-steroidal anti-inflammatory drugs on platelet cyclo-oxygenase and lipoxygenase activity. Cerletti C. **Int J Tissue React** 1985;7(4):309–12

Platelet sequestration during hypothermia in dogs treated with sulphinpyrazone and ticlopidine--reversibility accelerated after intra-abdominal rewarming. Pina-Cabral JM, et al. **Thromb Haemost** 1985 Dec 17;54(4):838–41

Drug-related changes in platelet shape in whole blood. Rosenstein R. **Thromb Res** 1985 Sep 1;39(5):613–8

THERAPEUTIC USE

Plasmapheresis and antiplatelet agents in the treatment of the hemolytic uremic syndrome secondary to mitomycin. Chow S, et al. **Am J Kidney Dis** 1986 May;7(5):407–12

Control of cardiac valve related hemolytic anemia by sulphinpyrazone. Woodruff RK, et al. **Aust NZ J Med** 1985 Oct;15(5):645–6

Aspirin, sulfinpyrazone, or both in unstable angina. Results of a Canadian multicenter trial. Cairns JA, et al.
N Engl J Med 1985 Nov 28;313(22):1369–75

[Personal experience with the administration of sulfinpyrazone to patients with kidney failure] Opatrný K, et al. **Vnitr Lek** 1986 Jul;32(7):673–80 (Eng. Abstr.) (Cze)

[Antiplatelet therapy of thrombosis] Maekawa T.
Nippon Rinsho 1986 May;44(5 Spec No 542):1094–103 (25 ref.) (Jpn)

SULFISOXAZOLE

ADMINISTRATION & DOSAGE

Efficacy of oral antibiotics for the treatment of persistent otitis media with effusion. Corwin MJ, et al.
Int J Pediatr Otorhinolaryngol 1986 Apr;11(2):109–12

BLOOD

Serum protein binding of model acidic drugs in smokers and non-smokers. Ruiz-Cabello F, et al.
Int J Clin Pharmacol Res 1986;6(3):177–9

METABOLISM

Pharmacokinetics of sulfisoxazole in renal transplant patients. Shermantine M, et al. **Antimicrob Agents Chemother** 1985 Oct;28(4):535–9

Comparative bioavailability of erythromycin-sulfisoxazole combinations. Desante KA, et al. **Pediatr Infect Dis** 1986 Jan–Feb;5(1):141–6

THERAPEUTIC USE

Medical treatment of chronic otitis media with effusion (secretory otitis media). Gates GA, et al.
Otolaryngol Head Neck Surg 1986 Mar;94(3):350–4

SULFITE OXIDASES see under **OXIDOREDUCTASES**

SULFITE REDUCTASES see under **OXIDOREDUCTASES**

SULFITES

The structure of cruciforms in supercoiled DNA: probing the single-stranded character of nucleotide bases with bisulphite. Gough GW, et al. **EMBO J** 1986 Jan;5(1):191–6

Free-radical chemistry of sulfite. Neta P, et al.
Environ Health Perspect 1985 Dec;64:209–17

Identification of chlorinated compounds in the spent chlorination liquor from differently treated sulphite pulps with special emphasis on mutagenic compounds. Carlberg GE, et al. **Sci Total Environ** 1986 Feb;48(3):157–67

ADVERSE EFFECTS

Review of sulfite sensitivity. Dalton-Bunnow MF.
Am J Hosp Pharm 1985 Oct;42(10):2220–6 (61 ref.)

Sulfite sensitivity. Shultz CM. **Am J Nurs** 1986 Aug;86(8):914

Are sulphites safe? [letter] Rung GW, et al.
Anaesth Intensive Care 1986 Aug;14(3):330

Observations on the use of oral sodium cromoglycate in a sulfite-sensitive asthmatic patient. Schwartz HJ.
Ann Allergy 1986 Jul;57(1):36–7

Sulfite sensitivity. Simon RA. **Ann Allergy** 1986 Apr; 56(4):281–8 (36 ref.)

Allergic reaction to sulfiting agents. Riggs BS, et al.
Ann Emerg Med 1986 Jan;15(1):77–9

Sulfites and parenteral nutrition [letter] Cole DE.
Can Med Assoc J 1986 Jan 1;134(1):17–8

Adverse reactions to sulfites. Yang WH, et al.
Can Med Assoc J 1985 Nov 1;133(9):865–7, 880

Contact dermatitis caused by sodium metabisulphite. Apetato M, et al. **Contact Dermatitis** 1986 Mar;14(3):194

A critical evaluation of clinical trials in reactions to sulfites. Bush RK, et al. **J Allergy Clin Immunol** 1986 Jul;78(1 Pt 2):191–202

Failure of sulfites to produce clinical responses in patients with systemic mastocytosis or recurrent anaphylaxis: results of a single-blind study. Meggs WJ, et al.
J Allergy Clin Immunol 1985 Dec;76(6):840–6

A suggested mechanism of action for sulfite sensitivity [letter] Steinacker A. **J Allergy Clin Immunol** 1986 Jan;77(1 Pt 1):116–7

Provocative testing for sulfite sensitivity in clinical allergy. Hosen H. **J Asthma** 1986;23(3):145–7

Sulfites in drugs and food. **Med Lett Drugs Ther** 1986 Aug 1;28(719):74–5

Sulfite sensitivity. 'Minor problem' proves major hazard for some. Tichenor WS. **Postgrad Med** 1985 Oct;78(5):320, 322–5

ANALYSIS

Sulfites in foods: uses, analytical methods, residues, fate, exposure assessment, metabolism, toxicity, and hypersensitivity. Taylor SL, et al. **Adv Food Res** 1986; 30:1–76 (264 ref.)

Sulfite content of drug products. Dalton-Bunnow MF.
Am J Hosp Pharm 1985 Oct;42(10):2196–201

Generation, behavior, and toxicity of ammonium sulfite aerosols. Rothenberg SJ, et al.
J Air Pollut Control Assoc 1986 Jan;36(1):55–9

Sulfite, an elective agent in the microbiological and chemical changes occurring in uncooked comminuted meat products. Banks JG, et al. **J Appl Biochem** 1985 Jun;7(3):161–79 (31 ref.)

Ion chromatographic determination of sulfites in foods. Anderson C, et al. **J Assoc Off Anal Chem** 1986 Jan–Feb; 69(1):14–9

Uses and analysis of sulfites in the corn wet milling industry. Coker LE. **J Assoc Off Anal Chem** 1986 Jan–Feb;69(1):8–10

Re-evaluation of selectivity of malachite green test for presence of sulfite in mechanically deboned poultry. Mallinson ET 3d, et al. **J Assoc Off Anal Chem** 1985 Nov–Dec;68(6):1231–2

Technological aspects of use of sulfiting agents in food. Modderman JP. **J Assoc Off Anal Chem** 1986 Jan–Feb; 69(1):1–3

Evaluation of Monier-Williams and Committee methods for bisulfite determination as used by the potato processing industry. Moylan JG, et al. **J Assoc Off Anal Chem** 1986 Jan–Feb;69(1):11–4

Determination of sulfite in food by flow injection analysis. Sullivan JJ, et al. **J Assoc Off Anal Chem** 1986 May–Jun; 69(3):542–6

Reevaluation of Monier-Williams method for determining sulfite in food. Warner CR, et al.
J Assoc Off Anal Chem 1986 Jan–Feb;69(1):3–5

[Methods of determination of L-cysteine hydrochloride and sodium pyrosulfite in 25% ascorbic acid injection] Yang Y, et al. **Sou Chuan I Hsueh Yuan Hsueh Pao** 1985 Jun; 16(2):143–7 (Eng. Abstr.) (Chi)

[Application of the Ti(IV)-4-(2-pyridylazo)resorcinol reagent to the determination of hydrogen peroxide and sulfite as food additives] Matsubara C, et al.
Yakugaku Zasshi 1985 Jun;105(6):569–73 (Eng. Abstr.) (Jpn)

METABOLISM

Oxidation of thiosulphate and sulphite by Thiobacillus neapolitanus. Sklodowska A. **Acta Microbiol Pol** 1985; 34(3–4):271–6

Assimilatory reduction of sulfate and sulfite by methanogenic bacteria. Daniels L, et al. **Appl Environ Microbiol** 1986 Apr; 51(4):703–9

A possible involvement of glutathione in the detoxication of sulfite. Kägedal B, et al.
Biochem Biophys Res Commun 1986 May 14;136(3):1036–41

Hydrogen evolution from dithionite and H2 photoproduction by hydrogenase incorporated into various hydrophobic matrices. Kovács KL, et al. **Biochimie** 1986 Jan;68(1):211–5

Appearance of sulphite and S-sulphonates in the plasma of rats after intraduodenal sulphite application. Wever J.
Food Chem Toxicol 1985 Oct;23(10):895–8

PHARMACODYNAMICS

The use of dithionite reduction to identify the essential tyrosine residue in the F1-ATPase from the thermophilic bacterium, PS3, that reacts with 7-chloro-4-nitrobenzofurazan. Verburg JG, et al.
Arch Biochem Biophys 1986 Feb 15;245(1):8–13

Analysis of the energy metabolism after incubation of Saccharomyces cerevisiae with sulfite or nitrite. Hinze H, et al. **Arch Microbiol** 1986 Jun;145(1):27–31

Effect of phenolic compounds, ethyl alcohol, and sodium metabisulphite on the lytic activity of phage PL-1 on a Lactobacillus casei S strain. Lee A, et al.
Can J Microbiol 1985 Sep;31(9):873–5

Altered polypeptide expression associated with neoplastic transformation of Syrian hamster cells by bisulfite. Wirth PJ, et al. **Cancer Res** 1986 Jan;46(1):390–9

The interaction of bisulfite and its free radical analog-nitroxyldisulfonate with periodic acid-oxidized lymphocytes and their effect on blastogenesis. Hornicek FJ, et al. **Chem Biol Interact** 1985 Nov;55(3):289–302

Reduction of lactoperoxidase by the dithionite anion monomer. Ohlsson PI, et al. **Eur J Biochem** 1986 Aug 1; 158(3):451–4

Influence of sulphite on the release of glycolytic metabolites in the perfused rat liver. Wever J. **Food Chem Toxicol** 1986 Mar;24(3):201–5

Calorimetric studies of oxyhemoglobin ligand dissociation. III. Evidence for a hemoglobin-catalase-superoxide dismutase integrated system in the oxygen depletion by dithionite. Forlani L, et al. **J Inorg Biochem** 1986 Apr; 26(4):289–94

The mutagenicity of sodium bisulfite on base-substitution strains of Salmonella typhimurium. De Giovanni-Donnelly R. **Teratogenesis Carcinog Mutagen** 1985;5(3):195–203

Effect of sulfite or nitrite on the ATP content and the carbohydrate metabolism in yeast. Hinze H, et al.
Z Lebensm Unters Forsch 1985 Aug;181(2):87–91

[W-mutagenesis in the bisulfite-treated lambda phage] Konevega LV, et al. **Genetika** 1985 Jul;21(7):1105–10 (Eng. Abstr.) (Rus)

TOXICITY

The role of 2-chloroprocaine and sodium bisulfite in rat sciatic nerve edema. Kalichman MW, et al.
J Neuropathol Exp Neurol 1986 Sep;45(5):566–75

Effects of ethanol, potassium metabisulfite, formaldehyde and hydrogen peroxide on gastric carcinogenesis in rats after initiation with N-methyl-N'-nitro-N-nitrosoguanidine. Takahashi M, et al. **Jpn J Cancer Res** 1986 Feb;77(2):118–24

[Experimentally calculated basis for tentative safe levels of exposure to sulfate, sulfite and sulfate-sulfite salts of sodium in atmospheric air] Tkachev PG, et al. **Gig Sanit** 1985 Nov; (11):69–70 (Rus)

SULFITES, INORGANIC see **SULFITES**

SULFOBROMOPHTHALEIN

ANALOGS & DERIVATIVES

Effects of taurocholate infusion on biliary excretion in isolated perfused rat livers. Decreased biliary excretion of dibromosulfophthalein in pregnancy. Durham S, et al. **Drug Metab Dispos** 1985 Nov–Dec;13(6):695–9

BLOOD

Displacement of sulphobromophthalein from albumin and fatty–acid–binding protein by oleic acid. Catalá A. **Arch Int Physiol Biochim** 1985 Nov;93(4):307–11

Bromsulfophthalein clearance and aminopyrine test in patients with Gilbert's syndrome. Bar–Meir S, et al. **Isr J Med Sci** 1986 May;22(5):376–9

DIAGNOSTIC USE

Postural changes in hepatic plasma flow in patients with chronic active liver disease. Use of bromosulphthalein loading test without hepatic venous catheterization. Buzzelli G, et al. **Quad Sclavo Diagn** 1985 Mar;21(1):47–55

[20 min/5 min clearance index of bromosulfophenolphthalein. A simple test of hepatic function] Sotto Escobar A. **Rev Esp Enferm Apar Dig** 1986 Feb;69(2):137–40 (Eng. Abstr.) (Spa)

METABOLISM

Hepatobiliary transport of indocyanine green and sulfobromophthalein in fed and fasted horses. Engelking LR, et al. **Am J Vet Res** 1985 Nov;46(11):2278–84

Cellular localization of sulfobromophthalein transport activity in rat liver. Baldini G, et al. **Biochim Biophys Acta** 1986 Mar 27;856(1):1–10

Ligand–binding studies with a 23 kDa protein purified from bovine brain cytosol. Bernier I, et al. **Biochim Biophys Acta** 1986 May 12;871(1):19–23

Sex differences in the hepatic uptake of sulphobromophthalein in the rat. Orzes N, et al. **Clin Sci** 1985 Nov;69(5):587–93

Hepatocellular uptake of sulfobromophthalein and bilirubin is selectively inhibited by an antibody to the liver plasma membrane sulfobromophthalein/bilirubin binding protein. Stremmel W, et al. **J Clin Invest** 1986 Sep;78(3):822–6

Effects of morphine and clonidine on sulphobromophthalein disposition in mice. Ben–Zvi Z, et al. **J Pharm Pharmacol** 1986 Jun;38(6):481–3

Clonidine effects on sulfobromophthalein disposition in mice. Ben–Zvi Z, et al. **J Pharmacol Exp Ther** 1985 Nov; 235(2):393–7

[Excretion of 131I–labeled bromsulphalein in rats with experimental liver injury] Hrnčíř E, et al. **Sb Lek** 1986 Feb;88(2):33–41 (Eng. Abstr.) (Cze)

[The effect of metipranolol on plasma clearance of bromsulphalein] Mikulecký M, et al. **Vnitr Lek** 1986 Feb; 32(2):151–9 (Eng. Abstr.) (Cze)

PHARMACODYNAMICS

Inhibition of erythrocyte glutathione–peroxidase by bromsulphalein. Corrocher R, et al. **Acta Haematol (Basel)** 1985;74(4):222–6

Effect of diethyl maleate pretreatment on biliary excretion and choleretic action of sulfobromophthalein in rats. Aza MJ, et al. **Arch Int Pharmacodyn Ther** 1986 Jun; 281(2):321–30

Cholecystographic agents and sulfobromophthalein inhibit the binding of L–thyroxine to plasma membranes of rat hepatocytes. Felicetta JV, et al. **Endocrinology** 1986 Jun; 118(6):2500–4

SULFONAMIDES

Update on the sulfonamide residue problem. Rosenberg MC. **J Am Vet Med Assoc** 1985 Oct 1;187(7):704–5

ADVERSE EFFECTS

Comparative ototoxicity of furosemide and piretanide. Rybak LP, et al. **Acta Otolaryngol (Stockh)** 1986 Jan–Feb; 101(1–2):59–65

Transient myopia induced by sulfonamides. Hook SR, et al. **Am J Ophthalmol** 1986 Apr 15;101(4):495–6

Transient myopia induced by sulfonamides [letter] Laval J. **Am J Ophthalmol** 1986 Aug 15;102(2):283–4

Adverse reaction to sulphonamides in a burned patient—a case report. Sawada Y. **Burns Incl Therm Inj** 1985 Dec; 12(2):127–31

Toxicity of sulphonamide–diaminopyrimidine combinations: implications for future use. Ball P. **J Antimicrob Chemother** 1986 Jun;17(6):694–6

Systemic drug photosensitivity. Ljunggren B, et al. **Photodermatol** 1986 Feb;3(1):26–35 (88 ref.)

ANALYSIS

Photodegradation of sulfa drugs by fluorescent light. Parks OW. **J Assoc Off Anal Chem** 1985 Nov–Dec;68(6):1232–4

Visualization of sulphonamide drugs on thin–layer plates using pi–acceptors as spray reagents. Agarwal SP. **J Chromatogr** 1986 Jul 18;362(2):303–7

Simultaneous determination of althiazide and spironolactone in tablets by high–performance liquid chromatography. De Croo F, et al. **J Chromatogr** 1985 Jul 26;329(3):422–7

Rapid determination of five sulphonamides in swine tissue by high–performance liquid chromatography. Haagsma N, et al. **J Chromatogr** 1985 Sep 27;333(1):256–61

Determination of the content of 2–chlorobenzenesulphonamide and bis(p–chlorophenyl) sulphone in 4–chlorobenzenesulphonamide. Ventre ER. **J Chromatogr** 1985 Sep 27;333(1):253–5

[Multimethod for the determination of residues of chemotherapeutic drugs, antiparasitic agents and growth promotors in foodstuffs of animal origin. 1. General procedure and determination of sulfonamides] Malisch R. **Z Lebensm Unters Forsch** 1986 May;182(5):385–99 (Eng. Abstr.) (Ger)

BLOOD

Study of interactions between ibuprofen and sulfonamides, and between bucolome and sulfonamides in rats. Chiba K, et al. **Chem Pharm Bull (Tokyo)** 1985 Aug;33(8):3415–21

Interaction of antimicrobial agents with human peripheral blood leucocytes: uptake and intracellular localization of certain sulphonamides and trimethoprims. Climax J, et al. **J Antimicrob Chemother** 1986 Apr;17(4):489–98

Determination of 4–(2–di–n–propylaminoethyl)–7–hydroxy–2–(3H)–indolone and N–[2'–hydroxy–5'–(N,N–di–n–propylaminoethylphenyl)=]methane sulfonamide in plasma by high–performance liquid chromatography with electrochemical detection. Swagzdis JE, et al. **J Chromatogr** 1985 Nov 29;345(1):203–8

CHEMICAL SYNTHESIS

Amino acids and peptides. V. Synthesis of amino acid derivatives containing a sulfonamide bond. Maeda M, et al. **Chem Pharm Bull (Tokyo)** 1985 May;33(5):2137–41

Synthesis and antiviral activity of sulfonamidobenzophenone oximes and sulfonamidobenzamides. Ogata M, et al. **J Med Chem** 1986 Mar;29(3):417–23

[Synthesis of N–alpha–(arylsulfonyl–L–prolyl)– and N alpha–(benzyloxycarbonyl–L–prolyl)–D,L–4–amidinophenylalanine amides as inhibitors of thrombin] Voigt B, et al. **Pharmazie** 1986 Apr;41(4):233–5 (Eng. Abstr.) (Ger)

[Derivatives of 1,1–dioxo–1,4,2–benzodithiazine. VII. Various possibilities of using 6–chloro–3–methylthio–7–methyl–1,1–dioxo–1,4,2–benzodithiazine for the synthesis of 2–(4–chloro–2–mercapto–5–methylbenzenesulfonamido)=imidazoline derivatives, and their pharmacological properties] Pomarnacka E, et al. **Acta Pol Pharm** 1985; 42(6):501–10 (Eng. Abstr.) (Pol)

[Derivatives of sulfamoyl–aryloxyalkyl carboxylic acids with hypoglycemic action] Braha S, et al. **Rev Med Chir Soc Med Nat Iasi** 1985 Apr–Jun;89(2):316–20 (Eng. Abstr.) (Rum)

HISTORY

The sulphonamides: an early British perspective. Noble WC. **J Antimicrob Chemother** 1986 Jun;17(6):690–1

Domagk and the development of the sulphonamides. Otten H. **J Antimicrob Chemother** 1986 Jun;17(6):689–96

[The 50th anniversary of the discovery of sulfonamides] Mercier P. **Bull Acad Natl Med (Paris)** 1985 Dec; 169(9):1443–8 (Fre)

METABOLISM

Differences in metabolism of sulfonamides predisposing to idiosyncratic toxicity. Shear NH, et al. **Ann Intern Med** 1986 Aug;105(2):179–84

Human pharmacokinetics and skin blister levels of sulfonamides and dihydrofolate reductase inhibitors. Bergan T, et al. **Chemotherapy** 1986;32(4):319–28

A nuclear–magnetic–resonance study of the binding of novel N–hydroxybenzenesulphonamide carbonic anhydrase inhibitors to native and cadmium–111–substituted carbonic anhydrase. Blackburn GM, et al. **Eur J Biochem** 1985 Dec 16;153(3):553–8

The absorption of piretanide from the gastro–intestinal tract is site–dependent. Brockmeier D, et al. **Eur J Clin Pharmacol** 1986;30(1):79–82

The influence of ascites on the pharmacokinetics of piretanide in cirrhotic patients. Shepherd AN, et al. **Eur J Clin Pharmacol** 1985;28(5):581–3

Pharmacokinetics of the loop diuretic piretanide in renal failure. Walter U, et al. **Eur J Clin Pharmacol** 1985; 29(3):337–43

Characterization of a high affinity piretanide receptor on kidney membranes. Giesen–Crouse EM, et al. **Eur J Pharmacol** 1985 Aug 7;114(1):23–31

The relations between ionic and non–ionic diffusion of sulfonamides across the rabbit cornea. Jankowska LM, et al. **Invest Ophthalmol Vis Sci** 1986 Jan;27(1):29–37

Pharmacokinetic and pharmacodynamic evaluation of gelatin microcapsule containing piretanide in beagle dogs. Tsujiyama T, et al. **J Pharmacobiodyn** 1986 Apr;9(4):352–8

Binding of (3H)–piretanide to a specific receptor of renal medulla. Giesen–Crouse EM, et al. **J Pharmacol** 1986 Apr–Jun;17(2):146–8

PHARMACODYNAMICS

Pharmacological properties of the new potent diuretic torasemide in rats and dogs. Ghys A, et al. **Arzneimittelforschung** 1985;35(10):1520–6

Renal effects of the high ceiling diuretic torasemide in rats and dogs. Ghys A, et al. **Arzneimittelforschung** 1985; 35(10):1527–31

Renal effects of torasemide in the rat. Clearance and micropuncture studies. Hermes H, et al. **Arzneimittelforschung** 1985;35(10):1532–5

Effects of the diuretic torasemide on p–aminohippuric acid transport in the rat. Kramp RA, et al. **Arzneimittelforschung** 1985;35(10):1536–41

Restorative effects of defective autologous lymphocyte cytotoxicity by calmodulin antagonists. Kikuchi Y, et al. **Biochem Biophys Res Commun** 1985 Oct 30;132(2):620–7

H–NMR studies of calmodulin: the effect of W–7 (N–(6–aminohexyl)–5–chloro–1–naphthalenesulfonamide) and Ca2+ on conformational changes of calmodulin. Sutoo D, et al. **Biochim Biophys Acta** 1986 Sep 5;873(1):156–60

Na+–K+ cotransport and hypertension. Effect of piretanide and hydrochlorothiazide on red blood cell sodium concentration in acutely salt–loaded hypertensive and normotensive rats. Scholz W, et al. **Clin Exp Hypertens [A]** 1985;7(10):1427–40

Trifluoperazine and W–7 inhibit mating in Chlamydomonas at an early stage of gametic interaction. Detmers PA, et al. **Exp Cell Res** 1986 Apr;163(2):317–26

Physical parameters and biological activity of sulfonamides. Avico U, et al. **Farmaco [Sci]** 1985 Dec;40(12):970–8

Inhibition of the hydro–osmotic response to vasopressin and hypertonicity by phenothiazines and W7, calmodulin antagonists. Yorio T, et al. **Gen Pharmacol** 1985; 16(4):347–53

Effects of YM–12617, an alpha adrenoceptor blocking agent, on electrical and mechanical properties of the guinea–pig mesenteric and pulmonary arteries. Fujii K, et al. **J Pharmacol Exp Ther** 1985 Dec;235(3):764–70

Effect of trifluoperazine on rabbit cortical collecting tubular response to vasopressin. Dillingham MA, et al. **J Physiol (Lond)** 1986 Mar;372:41–50

Enhancement of phagocytosis by a calmodulin antagonist (W–7) in mice. Ito H. **Jpn J Pharmacol** 1986 May; 41(1):131–4

Morphological characterization of LH secretory granule response to LHRH and calmodulin inhibitor. Nakamura F, et al. **Mol Cell Endocrinol** 1986 Jan;44(1):11–5

Naphthalenesulfonamides as calmodulin antagonists and protein kinase inhibitors. Inagaki M, et al. **Mol Pharmacol** 1986 Jun;29(6):577–81

Inhibition of 12–O–tetradecanoylphorbol–13–acetate–induced epidermal ornithine decarboxylase activity and tumor promotion by N–(6–aminohexyl)–5–chloro–1–naphthalenesulfonamide (W–7) in mouse skin. Nakadate T, et al. **Pharmacology** 1986; 32(3):167–75

The effects of piretanide capsules on blood pressure during ergometric and isometric work loads in patients with mild to moderate essential hypertension. Meywald W, et al. **Pharmatherapeutica** 1985;4(6):356–66

Loop–diuretic inhibition of adrenaline–stimulated Cl–secretion in a cultured epithelium of renal origin (MDCK). Brown CD, et al. **Q J Exp Physiol** 1986 Apr;71(2):183–93

Effects of heterocyclic sulfonamides on bone metabolism. Pierce WM Jr, et al. **Res Commun Chem Pathol Pharmacol** 1985 Oct;50(1):3–20

The antimicrobial activities of trimethoprim and sulfonamides. Burman LG. **Scand J Infect Dis** 1986; 18(1):3–13 (51 ref.)

In vitro susceptibility to antibiotics and sulfonamides of atypical mycobacteria isolated in South America. de Kantor IN, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1985 Oct; 260(2):247–53

[The resistance of urinary tract bacteria in hospital environment over a 4–year period. A prospective study with special reference to trimethoprim, sulfonamide and a combination of them] Busk HE, et al. **Ugeskr Laeger** 1985 Nov 25;147(48):3895–7 (Eng. Abstr.) (Dan)

[Nocardia brain abscess and ventriculitis—resistance of Nocardia to sulfonamides and susceptibility to beta–lactams] Oda Y, et al. **No Shinkei Geka** 1986 Mar;14(3 Suppl):340–4 (Eng. Abstr.) (Jpn)

THERAPEUTIC USE

Evaluation of a new pharmaceutical form of nimesulide for the treatment of influenza. Bernasconi P, et al. **Drugs Exp Clin Res** 1985;11(10):739–43

Piretanide in the treatment of essential hypertension. A double–blind comparison versus placebo. Verho M, et al. **Drugs Exp Clin Res** 1986;12(5):385–91

Efficacy of penbutolol + piretanide combinations in the treatment of arterial hypertension. Verho M, et al. **Drugs Exp Clin Res** 1985;11(10):717–23

Single and divided daily dose piretanide in the treatment of uncomplicated essential hypertension: a double–blind comparison with a combination of hydrochlorothiazide and amiloride. Verho M, et al. **Eur J Clin Pharmacol** 1985; 29(3):269–73

Antipyretic activity of nimesulide suppositories: double blind versus diclofenac and placebo. Reiner M, et al.

Int J Clin Pharmacol Ther Toxicol 1985 Dec;23(12):673–7
Acute and chronic effects of the loop diuretic, piretanide, on baroreflex set point and sensitivity in hypertensive man. Young MA, et al. J Hypertens 1985 Oct;3(5):481–3
Intracellular calcium in essential hypertension. A parameter for assessing effective antihypertensive treatment. Zidek W, et al. J Hypertension [Suppl] 1984 Dec;2(3):S495–7
Inhibition of proliferative growth in glioma cells by calmodulin antagonists. Suzuki N, et al. J Neurosurg 1986 Jul;65(1):74–9
Nonbactericidal approach to reduce colonization of plaque microflora on teeth in vitro and in vivo. Gaffar A, et al. J Pharm Sci 1985 Nov;74(11):1228–32
Efficacy of penbutolol and a combination of a low dose of penbutolol with piretanide in the treatment of mild to moderate hypertension. Graml E, et al. Pharmatherapeutica 1985;4(4):236–43
The effects of piretanide, a potassium stable diuretic, on serum electrolytes in patients with congestive heart failure. Verho M, et al. Pharmatherapeutica 1985;4(5):288–95
[Efficacy and tolerability of enalapril compared to altizide combined with spironolactone in patients with moderate arterial hypertension] Gibelin P, et al. Ann Cardiol Angeiol (Paris) 1986 May;35(5):279–83 (Eng. Abstr.) (Fre)
[Diuretic monotherapy in heart failure. Comparison of piretanide and hydrochlorothiazide–triamterene] Gonska BD, et al. Dtsch Med Wochenschr 1985 Nov 22; 110(47):1812–6 (Eng. Abstr.) (Ger)
[Effect of nimesulid suppositories in surgical traumatologic practice] Schmoekel W, et al. Schweiz Rundsch Med Prax 1985 Dec 24;74(52):1460–3 (Eng. Abstr.) (Ger)
[A new non–steroidal anti–inflammatory agent, nimesulide, in the treatment of inflammatory forms of pneumologic importance] Finiguerra M, et al. Clin Ter 1986 May 15; 117(3):199–206 (Eng. Abstr.) (Ita)
[A new pharmacologic treatment of primary dysmenorrhea] Moggian G, et al. Clin Ter 1986 Jun 30;117(6):481–92 (Eng. Abstr.) (Ita)
[Symptomatic treatment of inflammatory pathology with nimesulide capsules] Spadaro C, et al. G Clin Med 1985 May–Jun;66(5–6):193–200 (Eng. Abstr.) (Ita)
[Trimethoprim or trimethoprim–sulfonamide in urinary tract infections and other infections?] Bruun JN. Tidsskr Nor Laegeforen 1986 Jan 20;106(2):146–7 (Nor)

URINE

Personality traits and acetylator status. Saiz–Ruiz J, et al. Biol Psychiatry 1985 Oct;20(10):1138–40

SULFONES

A note on the use of protease inhibitors during chromatin fractionation on hydroxyapatite columns. Gaczyński M. Experientia 1986 Apr 15;42(4):402–3
Quantitative characterization of cells at the interface of long–term implants of selected polymers. Behling CA, et al. J Biomed Mater Res 1986 May–Jun;20(5):653–66
Polysulfone corneal lenses. Lane SL, et al. J Cataract Refract Surg 1986 Jan;12(1):50–60
Divinylsulphone–activated agarose. Formation of stable and non–leaking affinity matrices by immobilization of immunoglobulins and other proteins. Lihme A, et al. J Chromatogr 1986 Apr 11;376:299–305
Derivatization of secondary amines with 2–naphthalene–sulfonyl chloride for high–performance liquid chromatographic analysis of spectinomycin. Tsuji K, et al. J Chromatogr 1985 Oct 4;333(2):365–80
Fluoroaliphatic sulfones: a new class of delayed–action insecticides for control of Solenopsis invicta (Hymenoptera: Formicidae). Vander Meer RK, et al. J Econ Entomol 1985 Dec;78(6):1190–7
The role of metaphosphate in the activation of the nucleotide by TPS and DCC in the oligonucleotide synthesis. Wang Y, et al. Nucleic Acids Res 1986 Mar 25;14(6):2699–706

ADMINISTRATION & DOSAGE

[Effectiveness of using diucifon in patients with chronic pulmonary pathology] Borisova AM, et al. Ter Arkh 1986; 58(4):90–3 (Rus)
[Various aspects of immunomodulating therapy in patients with protracted pneumonia during convalescence] Karaulov AV, et al. Ter Arkh 1986;58(4):113–7 (Rus)

ANALYSIS

Effects of a cationic surfactant on the rate of alkaline hydrolysis of p–substituted benzenesulfonyl fluorides. Ifudu ND, et al. Chem Pharm Bull (Tokyo) 1985 Apr;33(4):1592–8
Relative precision in the determination of some structurally–similar O–pentafluorophenylsulfonylphenols by ultratrace gas chromatography. Sentissi A, et al. J Chromatogr 1985 Sep 6;331(2):396–401
Determination of the content of 2–chlorobenzenesulphonamide and bis(p–chlorophenyl) sulphone in 4–chlorobenzenesulphonamide. Ventre ER. J Chromatogr 1985 Sep 27;333(1):253–5

CHEMICAL SYNTHESIS

Synthesis and anthelmintic activity of 2,2'–disubstituted 5,5'–dibenzimidazolylsulfides and sulfones. Abuzar S, et al. Arzneimittelforschung 1986 Mar;36(3):416–9
[Derivatives of succinic acid. II. Synthesis and hypoglycemic properties of various derivatives of N–(benzenesulfonyl)succinamide] Brzozowski Z, et al. Acta Pol Pharm 1985;42(3):244–50 (Eng. Abstr.) (Pol)

DIAGNOSTIC USE

Pentafluorobenzenesulfonyl chloride as a sensitive reagent for the rapid gas chromatographic analysis of tranylcypromine in tissues and body fluids. Rao TS, et al. Biochem Pharmacol 1986 Jun 15;35(12):1925–8

ISOLATION & PURIFICATION

Capillary gas chromatographic analysis of methylsulphone metabolites of polychlorinated biphenyls retained in human tissues. Haraguchi K, et al. J Chromatogr 1986 Jun 27; 361:239–52

METABOLISM

The predominant role of S–oxidation in rat liver metabolism of thiaarenes. Jacob J, et al. Cancer Lett 1986 Jul; 32(1):107–16
Incorporation of methylsulfonylmethane sulfur into guinea pig serum proteins. Richmond VL. Life Sci 1986 Jul 21; 39(3):263–8
Evidence that methylsulfonyl metabolites of m–dichlorobenzene are causative substances of induction of hepatic microsomal drug–metabolizing enzymes by the parent compound in rats. Kato Y, et al. Toxicol Appl Pharmacol 1986 Mar 15;82(3):505–11

PHARMACODYNAMICS

Phenylmethylsulfonyl fluoride (PMSF) inhibits nerve growth factor binding to the high affinity (type I) nerve growth factor receptor. Stach RW, et al. Biochem Biophys Res Commun 1986 Jan 29;134(2):1000–5
Human platelets stimulated by thrombin produce platelet–activating factor (1–O–alkyl–2–acetyl–sn–glycero–3–phosphocholine) when the degrading enzyme acetyl hydrolase is blocked. Touqui L, et al. Biochem J 1985 Aug 1;229(3):811–6
Modulation of the immune response to tumors by a novel synthetic compound, N–[4–[(4–fluorophenyl)sulfonyl]phenyl] acetamide (CL 259,763). Wang BS, et al. Cancer Immunol Immunother 1986;22(1):8–14
2–Aminoethylmethyl–sulfone (AEMS): a potent stimulator of ATP–dependent calcium uptake. Liebowitz SM, et al. Eur J Pharmacol 1986 Jan 14;120(1):111–3
Phenylmethylsulfonyl fluoride protects rats from Mipafox–induced delayed neuropathy. Veronesi B, et al. Toxicol Appl Pharmacol 1985 Nov;81(2):258–64
[Inhibition of lactate and malate dehydrogenase by dyes containing vinylsulfone and chlorotriazine groups] Markina VL, et al. Biokhimiia 1986 Feb;51(2):306–12 (Eng. Abstr.) (Rus)
[Properties of T–cell growth factor obtained from diucifon–stimulated human lymphocytes] Leskov VP, et al. Biull Eksp Biol Med 1985 Dec;100(12):738–40 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

Protection by acyl–carnitines and phenylmethylsulfonyl fluoride of rat heart subjected to ischemia and reperfusion. Hülsmann WC, et al. Biochim Biophys Acta 1985 Oct 30; 847(1):62–6
The rate of relapse in lepromatous leprosy following completion of twenty years of supervised sulphone therapy. Waters MF, et al. Lepr Rev 1986 Jun;57(2):101–9
[Effect of diucifon and its structural precursors on inflammatory and pain reactions] Gorbunov SM, et al. Farmakol Toksikol 1985 Nov–Dec;48(6):44–7 (Eng. Abstr.) (Rus)
[Diucifon in the treatment of chronic aphthous stomatitis] Terekhova NV, et al. Stomatologiia (Mosk) 1986 Jan–Feb; 65(1):20–1 (Eng. Abstr.) (Rus)
[Clinico–immunologic substantiation of the use of diucifon in patients with chronic tonsillitis] Konstantinova NP, et al. Vestn Otorinolaringol 1985 Nov–Dec;(6):49–52 (Eng. Abstr.) (Rus)

TOXICITY

Thirteen–week subacute toxicity study of 4–bromophenyl chloromethyl sulfone (BCS) in rats. Mitsumori K, et al. J Toxicol Sci 1985 Nov;10(4):295–308
Teratogenicity study on 4–bromophenyl chloromethyl sulfone (BCS) in the rat. Tauchi K, et al. J Toxicol Sci 1986 May;11(2):125–34

SULFONIC ACIDS

Heparinizable graft copolymers from chlorosulphonated polyethylene with poly(amido–amine) segments. Tanzi MC, et al. Biomaterials 1985 Jul;6(4):273–6

BLOOD

Appearance of sulphite and S–sulphonates in the plasma of rats after intraduodenal sulphite application. Wever J. Food Chem Toxicol 1985 Oct;23(10):895–8

DIAGNOSTIC USE

Evaluation of the spectrophotometric assay of guanase with 2,2'–azino–di(3–ethylbenzthiazoline–6–sulphonate) (ABTS) as chromogen. Majkić–Singh N, et al. J Clin Chem Clin Biochem 1986 Jun;24(6):387–92

METABOLISM

Sulfamate formation is a major route for detoxification of 2–amino–3–methylimidazo[4,5–f]quinoline in the rat. Turesky RJ, et al. Carcinogenesis 1986 Sep;7(9):1483–5

PHARMACODYNAMICS

Contraluminal sulfate transport in the proximal tubule of the rat kidney. II. Specificity: sulfate–ester, sulfonates and amino sulfonates. Ullrich KJ, et al. Pflugers Arch 1985 Aug; 404(4):293–9

SULPONIUM COMPOUNDS see under ONIUM COMPOUNDS

SULPONYLDIANILINE see DAPSONE

SULFONYLUREA COMPOUNDS

ADMINISTRATION & DOSAGE

Combined sulfonylurea and insulin therapy in insulin–dependent diabetes: research or clinical practice? Rizza RA. Diabetes Care 1985 Sep–Oct;8(5):511–4

ADVERSE EFFECTS

Incidence of severe sideeffects during therapy with sulfonylureas and biguanides. Berger W. Horm Metab Res [Suppl] 1985;15:111–5
Metformin and the sulphonylureas: the comparative risk. Campbell IW. Horm Metab Res [Suppl] 1985;15:105–11
Glyburide–induced hypoglycemia in an elderly patient: similarity of first–generation and second–generation sulfonylurea agents. Edwards TH, et al. Mt Sinai J Med (NY) 1985 Oct;52(8):644–6
[The relatively frequent incidence of severe sulfonylurea–induced hypoglycemia in the last 25 years in Switzerland. Results of 2 surveys in Switzerland in 1969 and 1984] Berger W, et al. Schweiz Med Wochenschr 1986 Feb 1;116(5):145–51 (Eng. Abstr.) (Ger)

BLOOD

Interference by sulfonylurea drugs with the Jaffé method for creatinine. Roach NA, et al. Clin Chim Acta 1985 Oct 15;151(3):301–5
Effect of guar gum on glipizide absorption in man. Huupponen R, et al. Eur J Clin Pharmacol 1985;28(6):717–9
Influence of blood proteins on biomedical analysis. VIII. Attempts at purification of gliclazide–degrading factor in human serum. Kobayashi K, et al. Life Sci 1985 Nov 25; 37(21):2015–9
[High–performance liquid chromatographic determination of gliclazide (oral hypoglycemic agent) in serum—trial of sensitive fluorometric determination] Igaki A, et al. Rinsho Byori 1986 Feb;34(2):201–5 (Jpn)
[Adsorption of gliclazide on the collodion membrane in ultrafiltration] Kobayashi K, et al. Rinsho Byori 1985 May; 33(5):569–71 (Jpn)

PHARMACODYNAMICS

Relaxant effects of sulfonylureas on induced contractions of rat uterine smooth muscle: role of intracellular calcium. Villar A, et al. Arch Int Pharmacodyn Ther 1986 Feb; 279(2):248–57
Sulfonylurea stimulates liver fructose–2,6–bisphosphate formation in proportion to its hypoglycemic action. Hatao K, et al. Diabetes Res Clin Pract 1985 Mar;1(1):49–53
The non–sulfonylurea moiety of gliquidone mimics the effects of the parent molecule on pancreatic B–cells. Garrino MG, et al. Eur J Pharmacol 1986 May 27;124(3):309–16
Direct measurements of increased free cytoplasmic Ca2+ in mouse pancreatic beta–cells following stimulation by hypoglycemic sulfonylureas. Abrahamsson H, et al. FEBS Lett 1985 Oct 7;190(1):21–4
Sensitivity of a Salmonella typhimurium aapC mutant to sulfometuron methyl, a potent inhibitor of acetolactate synthase II. Van Dyk TK, et al. J Bacteriol 1986 Feb; 165(2):386–92
Effects of sulfonylureas and clofibrate on insulin receptors in cultured human lymphocytes. Zeng SF, et al. Kobe J Med Sci 1985 Aug;31(4):169–82
Protonophoretic activity of hypoglycemic sulfonylureas in black lipid membranes. Deleers M, et al. Pharmacol Res Commun 1986 Feb;18(2):129–36
Insulin–potentiating action of gliclazide (diamicron). Hoich RI, et al. Pharmacol Res Commun 1986 May;18(5):419–30
Effects of D–glucose during preincubation of pancreatic islets with 45Ca upon the subsequent stimulation of 45Ca outflow by hypoglycemic sulfonylureas and K+. Malaisse WJ, et al. Res Commun Chem Pathol Pharmacol 1986 Mar; 51(3):365–78

POISONING

[Glipizide induced toxic hepatitis] Clementsen P, et al.

Ugeskr Laeger 1986 Mar 24;148(13):771-2 (Eng. Abstr.) (Dan)

THERAPEUTIC USE

Glipizide does not affect absorption of glucose and xylose in diabetics without residual beta-cell function. Lins PE, et al. Acta Med Scand 1986;219(2):189-93

Dual actions of sulfonylureas and glyburide. Receptor and post-receptor effects. Gavin JR 3d. Am J Med 1985 Sep 20;79(3B):34-42

Longitudinal evaluation of the effects of sulfonylurea therapy in subjects with type II diabetes mellitus. Kolterman OG. Am J Med 1985 Sep 20;79(3B):23-33

Comparison of diabetic control in type 2 (non-insulin dependent) diabetic patients treated with different sulphonylureas. Harrower AD. Curr Med Res Opin 1985; 9(10):676-80

The effect of glipizide on HDL and HDL subclasses. Bergman M, et al. Diabetes Res 1986 Jun;3(5):245-8

The effect of short term intensive insulin therapy in non-insulin-dependent diabetics who had failed on sulphonylurea therapy. Samanta A, et al. Diabetes Res 1986 Jun;3(5):269-71

Gliclazide on long-term therapy increases insulin response to glucose of type II diabetics. Couturier E. Diabetes Res Clin Pract 1985-86 Mar;1(6):343-7

Sulphonylurea therapy doubles B-cell response to glucose in type 2 diabetic patients. Hosker JP, et al. Diabetologia 1985 Nov;28(11):809-14

Pharmacokinetics and metabolic effects of glibenclamide and glipizide in type 2 diabetics. Groop L, et al. Eur J Clin Pharmacol 1985;28(6):697-704

Glipizide and glyburide. Kure J. NC Med J 1986 Mar; 47(3):149-53

Effect of prolonged gliclazide therapy in non-insulin dependent diabetic subjects. Donatelli M, et al. Pharmatherapeutica 1985;4(2):69-75

Oral sulfonylureas for the treatment of type II diabetes: an update. Shank WA Jr, et al. South Med J 1986 Mar; 79(3):337-43 (63 ref.)

Short-term treatment of glucose intolerance in middle-aged subjects by diet, exercise and sulfonylurea. Cederholm J. Ups J Med Sci 1985;90(3):229-42

[Peroral antidiabetics: sulfonylurea compounds] Kuslendorf K. Ugeskr Laeger 1985 Jul 22;147(30):2396-9 (Dan)

[Guidelines of the Swiss Diabetic Association concerning oral antidiabetic agents] Pernet A, et al. Schweiz Rundsch Med Prax 1986 May 20;75(21):626-8 (Eng. Abstr.) (Fre)

[Combined insulin and sulfonylurea treatment in diabetes mellitus] Ravina A, et al. Harefuah 1986 Jan 1;110(1):11-4 (Eng. Abstr.) (Heb)

[Effect of insulin and sulfonylurea derivatives on chronic intravascular microcoagulation of the blood in diabetes mellitus] Velikov VK, et al. Sov Med 1985;(9):91-3 (Rus)

SULFOXIDES

Oxygenation of organosulfur compounds by peroxidases: evidence of an electron transfer mechanism for lactoperoxidase. Doerge DR. Arch Biochem Biophys 1986 Feb 1;244(2):678-85

ISOLATION & PURIFICATION

Resolution of chiral sulfur compounds on a cellulose-based high-performance liquid chromatographic chiral stationary phase. Wainer IW, et al. J Chromatogr 1986 Jun 27; 361:374-8

METABOLISM

The role of the gut flora in the reduction of sulphoxide containing drugs. Renwick AG, et al. Biochem Pharmacol 1986 Jan 1;35(1):64

Cytosolic sulphoxidation of S-carboxymethyl-L-cysteine in mammals. Waring RH, et al. Biochem Pharmacol 1986 Sep 15;35(18):2999-302

The predominant role of S-oxidation in rat liver metabolism of thiaarenes. Jacob J, et al. Cancer Lett 1986 Jul; 32(1):107-16

The effect of some hepatotoxins on the sulphoxidation of cimetidine in rat. Dixon PA, et al. Comp Biochem Physiol [C] 1986;83(2):385-6

Selective oxidation and reduction of methionine residues in peptides and proteins by oxygen exchange between sulfoxide and sulfide. Shechter Y. J Biol Chem 1986 Jan 5;261(1):66-70

Sulfoxide reduction catalyzed by guinea pig liver aldehyde oxidase in combination with one-electron reducing flavoenzymes. Yoshihara S, et al. J Pharmacobiodyn 1985 Dec;8(12):996-1005

Dibenzothiophene sulphoxidation: a new and fast high-performance liquid chromatographic assay of mixed-function oxidation. Vignier V, et al. Xenobiotica 1985 Dec;15(12):991-9

PHARMACODYNAMICS

The sulphoxide moiety of substituted benzimidazoles is essential for inhibition of parietal cell K+/H+-ATPase. Beil W, et al. Br J Pharmacol 1986 Jun;88(2):389-95

SULPOXYPHENYLPYRAZOLIDIN see SULFINPYRAZONE

SULFUR

Oxygenation of organosulfur compounds by peroxidases: evidence of an electron transfer mechanism for lactoperoxidase. Doerge DR. Arch Biochem Biophys 1986 Feb 1;244(2):678-85

[Relation between the electron and information factors and the radioprotective effectiveness of sulfur-containing compounds] Mukhomorov VK. Radiobiologiia 1986 Jul-Aug;26(4):560-3 (Eng. Abstr.) (Rus)

ADMINISTRATION & DOSAGE

[Treatment of scabies by sulfur ointment] Brenner S, et al. Harefuah 1986 Jan 15;110(2):67-9 (Eng. Abstr.) (Heb)

ADVERSE EFFECTS

Sublimed (inorganic) sulfur ingestion. A cause of life-threatening metabolic acidosis with a high anion gap. Schwartz SM, et al. Arch Intern Med 1986 Jul; 146(7):1437-8

ANALYSIS

Critical comparison of X-ray fluorescence and combustion--infrared methods for the determination of sulphur in biological matrices. Bower NW, et al. Analyst 1986 Jan;111(1):105-6

Determination of the metabolic origin of the sulfur atom in thiamin of Escherichia coli by mass spectrometry. DeMoll E, et al. Biochem Biophys Res Commun 1985 Oct 15; 132(1):217-22

Sulfur granules in lymphocutaneous nocardiosis [letter] Dufresne RG Jr, et al. J Am Acad Dermatol 1986 May; 14(5 Pt 1):847

Headspace gas chromatographic-mass spectrometric analysis of light hydrocarbons and volatile organosulphur compounds in reduced-pressure cultures of Clostridium. Rimbault A, et al. J Chromatogr 1986 Feb 14;375(1):11-25

Identification of sulphur-organic compounds obtained by thermal treatment of the meat broths in the presence of alkyl-mercaptopropanol. Mikhailova TV, et al. Nahrung 1985;29(7):671-80

BIOSYNTHESIS

Desulfuration of cysteine and methionine by Fusobacterium nucleatum. Pianotti R, et al. J Dent Res 1986 Jun; 65(6):913-7

BLOOD

Myeloperoxidase oxidation of sulfur-centered and benzoic acid hydroxyl radical scavengers. Green TR, et al. FEBS Lett 1985 Nov 11;192(1):33-6

[Effect of the environment on the levels of selected bioelements in human body fluids (on the example of Cracow population)] Zielonka E, et al. Folia Med Cracov 1985;26(1-2):153-66 (Eng. Abstr.) (Pol)

DEFICIENCY

Association of high cyanide and low sulphur intake in cassava-induced spastic paraparesis. Cliff J, et al. Lancet 1985 Nov 30;2(8466):1211-3

METABOLISM

Plasma concentrations of transsulfuration pathway products during nasoenteral and intravenous hyperalimentation of malnourished patients. Chawla RK, et al. Am J Clin Nutr 1985 Oct;42(4):577-84

Microbial desulfurization of fossil fuels. Monticello DJ, et al. Annu Rev Microbiol 1985;39:371-89 (72 ref.)

Extended secondary structure in 5S rRNAs from a sulphur metabolizing archaebacterium, Thermococcus celer. McDougall J, et al. Biochem Biophys Res Commun 1986 Feb 13;134(3):1167-74

Regulation of storage-protein synthesis in pea (Pisum sativum L.) cotyledons under conditions of sulphur deficiency. Evans IM, et al. Biochem J 1985 Nov 15;232(1):261-5

Quinones from archaebacteria, II. Different types of quinones from sulphur-dependent archaebacteria. Thurl S, et al. Biol Chem Hoppe Seyler 1986 Mar;367(3):191-7

The early history of xenobiotic sulfoxidation. Mitchell SC, et al. Drug Metab Rev 1985-86;16(3):255-84

Plasma amino acid profiles and growth of the bovine fed different sources of nitrogen and levels of sulfur. Hill GM, et al. Int J Vitam Nutr Res 1985;55(4):439-46

Tn5-induced mutations affecting sulfur-oxidizing ability (Sox) of Thiosphaera pantotropha. Chandra TS, et al. J Bacteriol 1986 May;166(2):446-52

Discrimination between 34S and 32S during bacterial metabolism of inorganic sulfur compounds. Fry B, et al. J Bacteriol 1986 Jan;165(1):328-30

Mathematical model for determining the effects of intracytoplasmic inclusions on volume and density of microorganisms. Mas J, et al. J Bacteriol 1985 Nov; 164(2):749-56

Biosynthesis of the iron-molybdenum cofactor and the molybdenum cofactor in Klebsiella pneumoniae: effect of sulfur source. Ugalde RA, et al. J Bacteriol 1985 Dec; 164(3):1081-7

Tetracyanonickelate probes the active site of sulfur-free rhodanese. Chow SF, et al. J Biol Chem 1985 Dec 15; 260(29):15516-21

17O electron nuclear double resonance characterization of substrate binding to the [4Fe-4S]1+ cluster of reduced active aconitase. Telser J, et al. J Biol Chem 1986 Apr 15;261(11):4840-6

Sulfur uptake by type I collagen from methyl mercaptan/dimethyl disulfide air mixtures. Johnson PW, et al. J Dent Res 1985 Dec;64(12):1361-4

In vitro inhibition of estrogen sulfoconjugation by some 2- and 4-substituted estra-1,3,5(10)-trien-17 beta-ols1a. Horwitz JP, et al. J Med Chem 1986 May;29(5):692-8

The effect of dietary protein on nitrogen and sulfur metabolism in portacaval-shunted rats. Benjamin LE, et al. J Nutr 1986 Jan;116(1):59-69

The case of the black-speckled dolls: an occupational hazard of unusual sulphur metabolism. Harris CM, et al. Lancet 1986 Mar 1;1(8479):492-3

Incorporation of methylsulfonylmethane sulfur into guinea pig serum proteins. Richmond VL. Life Sci 1986 Jul 21; 39(3):263-8

Sulfated LH subunits and a tyrosine-sulfated secretory protein (secretogranin II) in female rat adenohypophyses: changes with age and stimulation of release by LHRH. Cozzi MG, et al. Mol Cell Endocrinol 1986 Jan;44(1):47-54

Sulfur and calcific keratopathy associated with retinal detachment surgery and vitrectomy. Grossniklaus HE, et al. Ophthalmology 1986 Feb;93(2):260-4

Microbial transformations of sulphur in atmospheric-polluted soils. Wainwright M, et al. Rev Environ Health 1984; 4(4):339-56 (48 ref.)

PHARMACODYNAMICS

Utilization of low-quality roughage by Bos taurus and Bos indicus cattle. 2. The effect of rumen-degradable nitrogen and sulphur on voluntary food intake and rumen characteristics. Hunter RA, et al. Br J Nutr 1985 May; 53(3):649-56

Differential features of ribosomes and of poly(U)-programmed cell-free systems derived from sulphur-dependent archaebacterial species. Londei P, et al. Eur J Biochem 1986 Jun 16;157(3):455-62

Protective action of sulfur compounds against aldehyde toxicants of cigarette smoke. Sprince H. Eur J Respir Dis [Suppl] 1985;139:102-12

SULFUR AMINO ACIDS see AMINO ACIDS, SULFUR

SULFUR DIOXIDE

Effects of certain atmospheric pollutants (SO2, NO2 and CO) on the soluble amino acids, molecular weight and antigenicity of some airborne pollen grains. Ruffin J, et al. Cytobios 1986;46(185):119-29

ADVERSE EFFECTS

Longitudinal evaluation of pulmonary function in copper smelter workers exposed to sulfur dioxide. Rom WN, et al. Am Rev Respir Dis 1986 May;133(5):830-3

Effects of ambient sulfur oxides and suspended particles on respiratory health of preadolescent children. Ware JH, et al. Am Rev Respir Dis 1986 May;133(5):834-42

The effect of white wine upon pulmonary function of asthmatic subjects. Halpern GM, et al. Ann Allergy 1985 Nov;55(5):686-90

Prevalence of bronchial asthma and chronic bronchitis in a community in northern Sweden; relation to environmental and occupational exposure to sulphur dioxide. Stjernberg N, et al. Eur J Respir Dis 1985 Jul; 67(1):41-9

[Stenosing laryngotracheitis (pseudocroup) and sulfur dioxide content of the air. Results of an 18-year retrospective long-term study of possible spatial and temporal relations] Mietens C, et al. Dtsch Med Wochenschr 1986 Jun 20; 111(25):967-72 (Eng. Abstr.) (Ger)

[Pseudocroup and the sulfur dioxide content of the air (letter)] Neumann G. Dtsch Med Wochenschr 1986 Sep 5; 111(36):1380-1 (Ger)

[Airway reaction of patients with bronchial asthma breathing sulfur dioxide] Magnussen H. Schriftenr Ver Wasser Boden Lufthyg 1986;69:181-7 (Ger)

[Acute effect of sulfur and nitrogen oxides and their metabolites] Wagner HM. Schriftenr Ver Wasser Boden Lufthyg 1986;69:153-61 (Ger)

ANALYSIS

Performance of sulfur dioxide passive monitors. Cassinelli ME, et al. Am Ind Hyg Assoc J 1985 Oct;46(10):599-608

Determination of sulfur dioxide in grapes and wines. Ough CS. J Assoc Off Anal Chem 1986 Jan-Feb;69(1):5-7

The relationship between the mass concentrations of sulphate and sulphur dioxide in air polluted with cement dust. Gentilizza M, et al. Sci Total Environ 1986 Feb;48(3):231-7

Spectrophotometric determination of sulphite. Balasubramanian N, et al. Z Gesamte Hyg 1986 Mar; 32(3):154-5

[Frequency of respiratory diseases in a pediatric population in relation to air quality] Raifová L, et al. **Sb Lek** 1985 Sep;87(8–9):257–62 (Eng. Abstr.) **(Cze)**

[Changes in the levels of atmospheric air pollution by dust, sulfur dioxide, fluorides and nitrous oxide in Cracow 1968–1984] Seroka W, et al. **Rocz Panstw Zakl Hig** 1985; 36(5):382–8 (Eng. Abstr.) **(Pol)**

ANTAGONISTS & INHIBITORS

Interaction of cromolyn and a muscarinic antagonist in inhibiting bronchial reactivity to sulfur dioxide and to eucapnic hyperpnea alone. Myers DJ, et al. **Am Rev Respir Dis** 1986 Jun;133(6):1154–8

PHARMACODYNAMICS

The inhibition of sulfur dioxide–induced bronchoconstriction in asthmatic subjects by cromolyn is dose dependent. Myers DJ, et al. **Am Rev Respir Dis** 1986 Jun;133(6):1150–3

Mechanism of slowing of mucociliary transport induced by SO2 exposure. Majima Y, et al. **Ann Biomed Eng** 1985; 13(6):515–30

Impairment of tracheal mucociliary clearance but not ciliary beat frequency by a combination of low level ozone and sulfur dioxide in sheep. Abraham WM, et al. **Eur J Respir Dis** 1986 Feb;68(2):114–20

Effects of sulfur dioxide on pore populations of canine tracheal epithelium. Man SF, et al. **J Appl Physiol** 1986 Feb;60(2):416–26

Reflex effects on breathing of laryngeal denervation, negative pressure and SO2 in upper airways. Citterio G, et al. **Respir Physiol** 1985 Nov;62(2):203–15

Sulphur dioxide block of laryngeal receptors in rabbits. Mortola JP, et al. **Respir Physiol** 1985 Nov;62(2):195–202

POISONING

Air pollution and asthma: effects of exposures to short–term sulfur dioxide peaks. Goldstein IF, et al. **Environ Res** 1986 Aug;40(2):332–45

TOXICITY

Controlled exposure to a mixture of SO2, NO2, and particulate air pollutants: effects on human pulmonary function and respiratory symptoms. Kleinman MT, et al. **Arch Environ Health** 1985 Jul–Aug;40(4):197–201

Ozone and sulfur dioxide effects on the ultrastructure of the chloroplasts of hybrid poplar leaves. Pechak DG, et al. **Bull Environ Contam Toxicol** 1986 Mar;36(3):421–8

Effects of exhaust pollutant sulfur dioxide on lipid metabolism of guinea pig organs. Haider SS. **Ind Health** 1985;23(2):81–7

Bronchoconstriction in asthmatics exposed to sulfur dioxide during repeated exercise. Roger LJ, et al. **J Appl Physiol** 1985 Sep;59(3):784–91

Lung injury in guinea pigs caused by multiple exposures to submicron zinc oxide mixed with sulfur dioxide in a humidified furnace. Conner MW, et al. **J Toxicol Environ Health** 1985;16(1):101–14

Effect of exposure to 500 ppm sulfur dioxide on the lungs of the ferret. Miller ML, et al. **Respiration** 1985; 48(4):346–54

[Effects of carbocysteine on experimental chronic sinusitis caused by long–term exposure to SO2] Ohashi Y, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1985 Aug;88(8):1056–60 (Eng. Abstr.) **(Jpn)**

[Effects of carbocysteine on experimental otitis media with effusion caused by long–term exposure to SO2] Ohashi Y, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1985 Aug; 88(8):1051–5 (Eng. Abstr.) **(Jpn)**

SULFUR HEXAFLUORIDE see under **FLUORIDES**

SULFUR ISOTOPES

METABOLISM

Discrimination between 34S and 32S during bacterial metabolism of inorganic sulfur compounds. Fry B, et al. **J Bacteriol** 1986 Jan;165(1):328–30

SULFUR OXIDES

ANALYSIS

[Determination of thionyl chloride in the air of manufacturing premises] Lisetskaia GS, et al. **Gig Sanit** 1986 Apr;(4):64–6 **(Rus)**

PHARMACODYNAMICS

The effects of sulfur oxides on nasal and lung function in adolescents with extrinsic asthma. Koenig JQ, et al. **J Allergy Clin Immunol** 1985 Dec;76(6):813–8

POISONING

Mortality from asthma and chronic bronchitis associated with changes in sulfur oxides air pollution. Imai M, et al. **Arch Environ Health** 1986 Jan–Feb;41(1):29–35

SULFUR RADIOISOTOPES

DIAGNOSTIC USE

Secretion of sulfated thyroglobulin. Herzog V. **Eur J Cell Biol** 1986 Jan;39(2):399–409

Specific identification of human papillomavirus type in cervical smears and paraffin sections by in situ hybridization with radioactive probes: a preliminary communication. Gupta J, et al. **Int J Gynecol Pathol** 1985; 4(3):211–8

URINE

Radiotoxicological detection of 35S. Simonnet F, et al. **Health Phys** 1986 Jan;50(1):140–3

SULFURIC ACID ESTERS see under **SULFURIC ACIDS**

SULFURIC ACIDS

The management of an ingested acid injury extending into the jejunum. Aitken RJ. **Burns Incl Therm Inj** 1985 Dec; 12(2):132–5

Trace derivatization of cytosine with pentafluorobenzoyl chloride and dimethyl sulfate. Fisher DH, et al. **Environ Health Perspect** 1985 Oct;62:67–71

Experimental evaluation of porcine–valved conduits processed with a calcium–retarding agent (T6). Thiene G, et al. **J Thorac Cardiovasc Surg** 1986 Feb;91(2):215–24

Reaction of nucleic acids bases and their derivatives with peroxodisulfate ion. Itahara T, et al. **Nucleic Acids Symp Ser** 1985;(16):61–4

ANALYSIS

N.m.r. spectroscopic observations related to the function of sulfate groups in heparin. Calcium binding vs. biological activity. Ayotte L, et al. **Carbohydr Res** 1986 Jan 1; 145(2):267–77

Persistence of staphylococcal cell–wall components in inflammatory sites may be due to the modulation by sulphated polyelectrolytes of autolytic wall enzymes: a working hypothesis. Ginsburg I, et al. **Int J Tissue React** 1985;7(4):255–61

[Sampling equipment for the determination of traces of sulfuric acid in the atmosphere. A short report by the Institute of Medical Technology and the Karl Marx City District Health Institute] **Z Gesamte Hyg** 1986 Jun; 32(6):372 (Eng. Abstr.) **(Ger)**

METABOLISM

Effect of phosphatase inhibition of in vitro dopamine sulfation and 3'–phosphoadenosine–5'–phosphosulfate catabolism in human brain. Whittemore RM, et al. **Biochem Pharmacol** 1985 Nov 1;34(21):3853–6

Sulfuric acid esters as major ultimate electrophilic and hepatocarcinogenic metabolites of 4–aminoazobenzene and its N–methyl derivatives in infant male C57BL/6J x C3H/HeJ F1 (B6C3F1) mice. Delclos KB, et al. **Carcinogenesis** 1986 Feb;7(2):277–87

Examination of mink (Mustela vison) fed a sulphuric acid preserved fish during lactation and growth period. I. A clinical–chemical examination. Poulsen JS, et al. **Nord Vet Med** 1986 Mar–Apr;38(2):90–105

PHARMACODYNAMICS

DNA breaks generated by the bleomycin–iron III complex in the presence of KHSO5, a single oxygen donor. Pratviel G, et al. **Biochem Biophys Res Commun** 1986 May 14; 136(3):1013–20

Substratum topography and cell traction on sulphuric acid treated bacteriological–grade plastic. Lydon MJ, et al. **Cell Biol Int Rep** 1985 Oct;9(10):911–21

Assessment of early alveolar particle clearance and macrophage function following an acute inhalation of sulfuric acid mist. Naumann BD, et al. **Exp Lung Res** 1986; 11(1):13–33

Examination of mink (Mustela vison) fed a sulphuric acid preserved fish silage during lactation and growth period. II. Production and pathologic studies correlated to results of clinical–chemical studies. Poulsen JS, et al. **Nord Vet Med** 1986 Mar–Apr;38(2):106–18

POISONING

Acid injury to the upper gastro–intestinal tract. A report of 2 cases. Schein M, et al. **S Afr J Surg** 1985 Sep; 23(3):114–6

[Antidotal effect of sodium dimercaptosuccinate against acute poisoning by the monosodium salt of 2–dimethylamino–1,3–bisthiosulfo–propane] Chen ZK, et al. **Chung Kuo Yao Li Hsueh Pao** 1985 Sep;6(3):204–7 (Eng. Abstr.) **(Chi)**

[Effect of sulfuric acid vapors on the respiratory system] Pawelek–Krombholz D, et al. **Med Pr** 1985;36(4):229–35 (Eng. Abstr.) **(Pol)**

TOXICITY

Effects of inhaled acid aerosols on lung mechanics: an analysis of human exposure studies. Utell MJ. **Environ Health Perspect** 1985 Nov;63:39–44

Early alveolar clearance in rabbits intermittently exposed to sulfuric acid mist. Schlesinger RB, et al. **J Toxicol Environ Health** 1986;17(2–3):213–20

Effects of ozone and sulfuric acid aerosol on gas trapping in the guinea pig lung. Silbaugh SA, et al. **J Toxicol Environ Health** 1986;18(1):133–41

Effects of sulfuric acid mist inhalation on mucous clearance and on airway fluids of rats and guinea pigs. Wolff RK, et al. **J Toxicol Environ Health** 1986;17(1):129–42

A mammalian cell variant in which 3–aminobenzamide does not potentiate the cytotoxicity of dimethyl sulphate. Murray B, et al. **Mutat Res** 1986 May;165(3):191–8

[Effects of exposure to sulfuric acid mist on the induction of experimental asthma in guinea pigs: dynamics of histamine in the lung] Fujisawa T, et al. **Arerugi** 1986 Feb; 35(2):137–44 (Eng. Abstr.) **(Jpn)**

SULFURTRANSFERASES

Characterization of rhodanese–tetracyanonickelate. An active site complex that slows sulfur–free rhodanese conversion to inert conformers. Chow SF, et al. **J Biol Chem** 1986 Jun 5;261(16):7264–9

ANALYSIS

Chromogenic substrates for sulfurtransferases. Burrous MR, et al. **Anal Biochem** 1985 Aug 15;149(1):66–71

Lung phenol sulfotransferases. Thermal stability of human and bovine enzymes. Barańczyk–Kuźma A, et al. **Biochem Pharmacol** 1986 Mar 15;35(6):995–9

The activity of UDP–glucuronyltransferase, sulphotransferase and glutathione–S–transferase in primary cultures of rat hepatocytes. Grant MH, et al. **Biochem Pharmacol** 1986 Sep 1;35(17):2979–82

Effect of 6–methylene–4–pregnene–3,20–dione treatment on hepatic bile acid sulfotransferase activity in male rats. McKinney SC, et al. **Biochem Pharmacol** 1986 Mar 15; 35(6):1050–2

Expression of glutathione S–transferase and phenol sulfotransferase, but not of UDP–glucuronosyltransferase, in the human lung tumor cell lines NCI–H322 and NCI–H358. Wiebel FJ, et al. **Biochem Pharmacol** 1986 Apr 15;35(8):1337–43

ANTAGONISTS & INHIBITORS

In vitro inhibition of estrogen sulfoconjugation by some 2– and 4–substituted estra–1,3,5(10)–trien–17 beta–ols1a. Horwitz JP, et al. **J Med Chem** 1986 May;29(5):692–8

Inhibition of phenolsulphotransferase P by certain food constituents [letter] Gibb C, et al. **Lancet** 1986 Apr 5; 1(8484):794

BIOSYNTHESIS

Induction of succinyl–coenzyme A:3–oxoacid coenzyme A–transferase during differentiation of 3T3–L1 cells. Ganapathi MK, et al. **Arch Biochem Biophys** 1986 Jan; 244(1):114–21

BLOOD

The platelet phenolsulfotransferase is not indispensable for the sulfoconjugation of plasma catecholamines. Kuchel O, et al. **Endocr Res** 1985;11(3–4):225–32

Glycosaminoglycan sulfotransferases in human and animal sera. Inoue H, et al. **J Biol Chem** 1986 Apr 5;261(10):4460–9

Dopamine sulfate formation and phenol sulfotransferase activity in dog and human platelets. Toth LA, et al. **Life Sci** 1986 Aug 11;39(6):519–26

Encapsulation of thiosulfate: cyanide sulfurtransferase by mouse erythrocytes. Leung P, et al. **Toxicol Appl Pharmacol** 1986 Mar 30;83(1):101–7

DEFICIENCY

Deficiency of thiosulphate sulphurtransferase (rhodanese) in Leber's hereditary optic neuropathy. Poole CJ, et al. **Br Med J [Clin Res]** 1986 May 10;292(6530):1229–30

GENETICS

Deficiency in the regulation of testicular galactolipid sulphotransferase in rats carrying the growth–and–reproduction–complex (grc) gene. Lingwood C, et al. **Biochem J** 1985 Oct 15;231(2):401–5

ISOLATION & PURIFICATION

A novel type of aryl sulfotransferase obtained from an anaerobic bacterium of human intestine. Kobashi K, et al. **Arch Biochem Biophys** 1986 Mar;245(2):537–9

Purification and kinetic characterization of a phenol–sulfating form of phenol sulfotransferase from human brain. Whittemore RM, et al. **Arch Biochem Biophys** 1986 Sep; 249(2):464–71

New crystalline derivatives of bovine liver rhodanese. Berni R, et al. **Biochem Int** 1986 May;12(5):733–40

Purification, characterization and reaction mechanism of novel arylsulfotransferase obtained from an anaerobic bacterium of human intestine. Kim DH, et al. **Biochim Biophys Acta** 1986 Jul 25;872(1–2):33–41

Purification and characterization of a 3'–phosphoadenylylsulfate:chondroitin 6–sulfotransferase from arterial tissue. Hollmann J, et al. **Biol Chem Hoppe Seyler** 1986 Jan;367(1):5–13

Purification and properties of an acyl CoA transferase from Ascaris suum muscle mitochondria. McLaughlin GL, et al. **Comp Biochem Physiol [B]** 1986;83(3):523–7

Rat hepatic bile acid sulfotransferase: identification of the catalytic polypeptide and evidence for polymeric forms in female rats. Collins RH, et al. **Hepatology** 1986 Jul–Aug; 6(4):579–86

METABOLISM

A reactive hydroxymethyl sulfate ester formed regioselectively from the carcinogen, 7,12–dihydroxymethylbenz[alpha]anthracene, by rat liver sulfotransferase. Watabe T, et al. **Biochem Biophys Res Commun** 1985 Sep 16;131(2):694–9

Developmental regulation of galactoglycerolipid and galactosphingolipid sulphation during mammalian spermatogenesis. Evidence for a substrate–selective inhibitor of testicular sulphotransferase activity in the rat. Lingwood CA. **Biochem J** 1985 Oct 15;231(2):393–400

Acidic catecholamine metabolites: substrates for human phenolsulphotransferase M. Carter SB, et al. **Biochem Pharmacol** 1986 Apr 1;35(7):1205–6

Diminished rates of glucuronidation and sulfation in perfused rat liver after chronic ethanol administration. Reinke LA, et al. **Biochem Pharmacol** 1986 Feb 1;35(3):439–47

Characterization of a tyrosine sulfotransferase in rat brain using cholecystokinin derivatives as acceptors. Vargas F, et al. **Biochemistry** 1985 Oct 8;24(21):5938–43

Steroid sulfotransferases and steroid sulfate sulfatases: characteristics and biological roles. Hobkirk R. **Can J Biochem Cell Biol** 1985 Nov;63(11):1127–44 (178 ref.)

Kinetics of sulfation in the rat in vivo and in the perfused rat liver. Mulder GJ. **Fed Proc** 1986 Jul;45(8):2229–34

Amine sulfate formation in the central nervous system. Tyce GM, et al. **Fed Proc** 1986 Jul;45(8):2247–53

Effects of female hormones on the activity of 3'-phosphoadenylylsulphate: desulphated heparan sulphate sulphotransferase in the endometrium of rabbit uterus. Munakata H, et al. **Int J Biochem** 1985;17(10):1077–83

Tetracyanonickelate probes the active site of sulfur–free rhodanese. Chow SF, et al. **J Biol Chem** 1985 Dec 15; 260(29):15516–21

Two functional domains of coenzyme A activate catalysis by coenzyme A transferase. Pantetheine and adenosine 3'-phosphate 5'-diphosphate. Fierke CA, et al. **J Biol Chem** 1986 Jun 15;261(17):7603–6

Difference between N–acetylgalactosamine 4–sulfate 6–O–sulfotransferases from human serum and squid cartilage in specificity toward the terminal and interior portion of chondroitin sulfate. Inoue H, et al. **J Biol Chem** 1986 Apr 5;261(10):4470–5

N–nitrosodiethanolamine is activated in the rat to an ultimate genotoxic metabolite by sulfotransferase. Sterzel W, et al. **J Cancer Res Clin Oncol** 1986;111(1):20–4

Acyl–CoA reductase and acyl–CoA: fatty alcohol acyl transferase in the microsomal preparation from the bovine meibomian gland. Kolattukudy PE, et al. **J Lipid Res** 1986 Apr;27(4):404–11

Relationship between catechol–O–methyltransferase and phenolsulfotransferase in the metabolism of dopamine in the rat brain. Buu NT. **J Neurochem** 1985 Nov;45(5):1612–9

Heterogeneity of rat liver sulfotransferases. Matsui M, et al. **J Pharmacobiodyn** 1985 Dec;8(12):1048–53

Glucuronidation and sulfation in rabbit kidney. Hjelle JT, et al. **J Pharmacol Exp Ther** 1986 Jan;236(1):150–6

Sulfate esters of hydroxymethyl–methyl–benz[a]anthracenes as active metabolites of 7,12–dimethylbenz[a]anthracene. Watabe T, et al. **Jpn J Cancer Res** 1985 Aug;76(8):684–98

Occurrence of phenolsulfotransferase in primary glial culture cells of rat. Yu PH, et al. **Neurochem Res** 1985 Jul; 10(7):983–92

Structural requirements for sulfation of asparagine–linked oligosaccharides of lutropin. Green ED, et al. **Proc Natl Acad Sci USA** 1985 Dec;82(23):7850–4

PHYSIOLOGY

Major role of hepatic sulfotransferase activity in the metabolic activation, DNA adduct formation, and carcinogenicity of 1'-hydroxy–2',3'-dehydroestragole in infant male C57BL/6J x C3H/HeJ F1 mice. Fennell TR, et al. **Cancer Res** 1985 Nov;45(11 Pt 1):5310–20

Phenol sulfotransferase in humans: properties, regulation, and function. Weinshilboum RM. **Fed Proc** 1986 Jul; 45(8):2223–8

SULINDAC see under **INDENES**

SULOCTIDIL see under **PROPANOLAMINES**

SULPIRIDE

ADVERSE EFFECTS

Sulpiride and the potentiation of progestogen only contraception [letter] Schiff AA. **Br Med J [Clin Res]** 1985 Nov 16;291(6506):1424

Sulpiride and the potentiation of progestogen only contraception [letter] Winton F. **Br Med J [Clin Res]** 1985 Oct 19;291(6502):1127–8

ANALOGS & DERIVATIVES

Localisation and pharmacological characterisation of D–2 dopamine receptors in rat cerebral neocortex and cerebellum using [125I]iodosulpride. Martres MP, et al. **Eur J Pharmacol** 1985 Dec 3;118(3):211–9

Absorption, distribution and excretion of sultopride in man and several animal species. Kobari T, et al. **Xenobiotics** 1985 Jul;15(7):605–13

[Benzamides, a therapeutic response adapted to 2 sides, paranoid and hebephrenic, of schizophrenia] Cassan P. **Ann Med Psychol (Paris)** 1985 Jul;143(7):677–82 **(Fre)**

[Veralipride: treatment of climacteric disorders] Stockmann R. **Rev Fr Gynecol Obstet** 1985 Jun;80(6 Pt 2):495–9 **(Fre)**

[Plasma, erythrocyte and urinary pharmacokinetics of sultopride in man] Bres J, et al. **Therapie** 1985 Nov–Dec; 40(6):433–9 (Eng. Abstr.) **(Fre)**

ANTAGONISTS & INHIBITORS

Naloxone antagonizes the hyperdipsic effect of sulpiride in a salt–preference test in male and female rats. Gilbert DB, et al. **Neuropharmacology** 1986 Jul;25(7):743–7

METABOLISM

3[H]–Sulpiride labels mesolimbic non–dopaminergic sites that bind antidepressant drugs. Csernansky JG, et al. **Experientia** 1985 Nov 15;41(11):1419–21

PHARMACODYNAMICS

Sulpiride and the potentiation of progestogen only contraception. Payne MR, et al. **Br Med J [Clin Res]** 1985 Aug 31;291(6495):559–61

Release of endogenous dopamine and cholecystokinin from rat striatal slices: effects of amphetamine and dopamine antagonists. Hutchison JB, et al. **Brain Res** 1986 Apr 9; 370(2):310–4

Differential alterations in striatal acetylcholine function in rats during 12 months' continuous administration of haloperidol, sulpiride, or clozapine. Rupniak NM, et al. **Clin Neuropharmacol** 1986;9(3):282–92

Naloxone inhibits sulpiride–induced hyperprolactinaemia in man. Bernini GP, et al. **Eur J Clin Invest** 1985 Oct; 15(5):272–5

Bromocriptine and sulpiride competitively inhibit estrogen binding to its receptor in the adrenal gland. Lüthy IA, et al. **Experientia** 1986 Feb 15;42(2):136–8

Effect of sulpiride on vigilance in healthy subjects. Bartfai A, et al. **Int J Psychophysiol** 1986 May;4(1):1–5

Neuroleptic treatment induces region–specific changes in levels of neurokinin A and substance P in rat brain. Lindefors N, et al. **Neuropeptides** 1986 Apr;7(3):265–80

Classification of sulpiride, clozapine and haloperidol by toposelective recording from different brain structures in the immobilized rat (stereo–EEG). Dimpfel W, et al. **Neuropsychobiology** 1985;14(3):157–64

Acute and repeated administration of sulpiride alters Met–and Leu–enkephalin content of rat brain. De Ceballos ML, et al. **Neurosci Lett** 1986 Aug 4;68(3):322–6

Electrophysiological study of the effects of D1 and D2 dopamine antagonists on the interaction of converging inputs from the sensory–motor cortex and substantia nigra neurons in the rat. Vives F, et al. **Neuroscience** 1986 Feb; 17(2):349–59

Effects of unilateral microinjections of sulpiride into the medial prefrontal cortex on circling behavior of rats. Morency MA, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1985; 9(5–6):735–8

Effect of normal aging on the prolactin response to graded doses of sulpiride and to arginine. Nair NP, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1985; 9(5–6):633–7

Disinhibitory effects of buspirone and low doses of sulpiride and haloperidol in two experimental anxiety models in rats: possible role of dopamine. Pich EM, et al. **Psychopharmacology (Berlin)** 1986;89(1):125–30

Modulation of ovarian LH receptor and serum hormone levels in rats with hyperprolactinemia induced by administration of ovine prolactin or sulpiride. Ota H, et al. **Tohoku J Exp Med** 1986 Feb;148(2):213–27

[Sulpiride and the menstrual cycle of the mangabey monkey] Aldara D, et al. **Ann Pharm Fr** 1985;43(2):147–54 (Eng. Abstr.) **(Fre)**

[Antagonism of sulpiride to the action of ibopamine at the level of peripheral circulation] Musacci GF, et al. **Cardiologia** 1982 Dec;27(12):1163–9 (Eng. Abstr.) **(Ita)**

[Plasma prolactin and GH response after thyrotropin–releasing hormone (TRH), L–DOPA and sulpiride in patients with senile dementia of Alzheimer type] Fujita M, et al. **Rinsho Shinkeigaku** 1985 Jul; 25(7):767–75 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Sulpiride and haloperidol in schizophrenia: a double–blind cross–over study of therapeutic effect, side effects and plasma concentrations. Gerlach J, et al. **Br J Psychiatry** 1985 Sep;147:283–8

Psychosomatic disorders in general practice: comparisons of treatment with flupenthixol, diazepam and sulpiride. Meyers C, et al. **Pharmatherapeutica** 1985;4(4):244–50

[Benzamides, a therapeutic response adapted to 2 sides, paranoid and hebephrenic, of schizophrenia] Cassan P. **Ann Med Psychol (Paris)** 1985 Jul;143(7):677–82 **(Fre)**

[Flunarizine and sulpiride—a comparison of 2 common antivertigo drugs in vertebrobasilar–induced vertigo] Hofferberth B, et al. **Nervenarzt** 1985 Oct;56(10):553–9 **(Ger)**

[Clinical evaluation of sulpiride against nausea and vomiting during cancer chemotherapy compared with domperidone—envelope method] Sakata Y, et al. **Gan To Kagaku Ryoho** 1986 Jul;13(7):2415–8 (Eng. Abstr.) **(Jpn)**

SULTHIAME see under **THIAZINES**

SUNBURN

Sunburn. Cavallo J, et al. **Dermatol Clin** 1986 Apr;4(2):181–7

CHEMICALLY INDUCED

Severe reactivation of sunburn following methotrexate use. Mallory SB, et al. **Pediatrics** 1986 Sep;78(3):514–5

DRUG THERAPY

Effect of topically applied flurbiprofen on ultraviolet–induced erythema. Tan P, et al. **Drug Intell Clin Pharm** 1986 Jun;20(6):496–9

ETIOLOGY

Sunburn from the treatment of neonatal jaundice. Leung AK. **Burns Incl Therm Inj** 1986 Apr;12(4):291–2

[Dermatitis solaris in newborn infants following phototherapy with a halogenide radiation unit] Eggert P, et al. **Monatsschr Kinderheilkd** 1986 Feb;134(2):105–6 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Public education: an approach, Skin cancer awareness project using the solar meter [editorial] Dobes WL. **J Am Acad Dermatol** 1986 Apr;14(4):676–9

SUNFLOWER see **HELIANTHUS**

SUNLIGHT

Effect of sunlight exposure on circulating 1,25–dihydroxyvitamin D in hemodialyzed patients and of exogenous parathyroid hormone in anephric patients. Sørensen OH, et al. **Acta Med Scand** 1986;219(2):215–9

Insolation effect on vitamin D supply in children during sanatorium treatment. Cieślukowski Z, et al. **Acta Physiol Pol** 1984 Jul–Aug;35(4):373–81

Prophylaxis against vitamin D deficiency in the elderly by regular sunlight exposure. Reid IR, et al. **Age Ageing** 1986 Jan;15(1):35–40

Effects of calcium supplementation and sunlight exposure on growing beagle dogs. Stephens LC, et al. **Am J Vet Res** 1985 Oct;46(10):2037–42

Calcium metabolism in healthy men deprived of sunlight. Davies DM. **Ann NY Acad Sci** 1985;453:21–7

Environmental light: effects on vitamin D synthesis and calcium metabolism in humans. Neer RM. **Ann NY Acad Sci** 1985;453:14–20

Spectral, irradiance, and temporal aspects of natural and artificial light. Thorington L. **Ann NY Acad Sci** 1985; 453:28–54

Ultraviolet absorption of commonly used clip–on sunglasses. Magnante DB, et al. **Ann Ophthalmol** 1985 Oct;17(10):614–6

UV conditioning: physical and physiological impact. Greiter F, et al. **Curr Probl Dermatol** 1986;15:282–9

Urticaria pigmentosa and natural sunlight [letter] Vire G, et al. **J Am Acad Dermatol** 1986 Apr;14(4):687–8

Superoxide anion is generated from cellular metabolites by solar radiation and its components. Cunningham ML, et al. **J Free Radic Biol Med** 1985;1(5–6):381–5

Randomized study of sunshine exposure and serum 25–OHD in breast–fed infants in Beijing, China. Ho ML, et al. **J Pediatr** 1985 Dec;107(6):928–31

Seasonal differences in serum vitamin D binding protein in exclusively breast–fed infants: negative relationship to sunshine exposure and 25–hydroxyvitamin D. Specker BL, et al. **J Pediatr Gastroenterol Nutr** 1986 Mar–Apr; 5(2):290–4

Sunlight–induced mutation of bilirubin in a long–distance runner [letter] McDonagh AF. **N Engl J Med** 1986 Jan 9;314(2):121–2

Compensation by solar irradiation of depletion of 25(OH)D in CAPD patients [letter] Martinez ME, et al. **Nephron** 1986;42(3):268–9

Photodistribution of varicella exanthem: report of two cases. Serrano G, et al. **Pediatr Dermatol** 1986 Jun;3(3):215–8

Use of metabolic inhibitors to investigate the excision repair of pyrimidine dimers and non–dimer DNA damages induced in human and ICR 2A frog cells by solar ultraviolet radiation. Chao CC, et al. **Photochem Photobiol** 1986 Feb;43(2):165–70

Enhancement of mutagenesis and human skin cancer rates resulting from increase fluences of solar ultraviolet radiation. Kubitschek HE, et al. **Photochem Photobiol** 1986 Apr;43(4):443–7

Inhibition of DNA repair synthesis by sunlight. Parsons PG,

et al. **Photochem Photobiol** 1985 Sep;42(3):287–93
The ocular dose of ultraviolet radiation from sunlight exposure. Rosenthal FS, et al. **Photochem Photobiol** 1985 Aug;42(2):163–71
Relative ultraviolet spectral intensity of direct solar radiation, sky radiation and surface reflections. Relative contribution of natural sources to the outdoor UV irradiation of man. Kromann N, et al. **Photodermatol** 1986 Apr;3(2):73–82
Effect of sunlight and its component wavebands on contact hypersensitivity in mice and guinea pigs. Morison WL, et al. **Photodermatol** 1985 Aug;2(4):195–204
Effects of sunlight exposure on Langerhans cells and melanocytes in human epidermis. Scheibner A, et al. **Photodermatol** 1986 Feb;3(1):15–25
Night and day solar UVB and UVA radiation in areas with midnight sun at 70 degrees and 78 degrees north. Volden G, et al. **Photodermatol** 1986 Apr;3(2):106–8
The influence of season and shade on oestrous behaviour, timing of preovulatory LH surge and the pattern of progesterone secretion in FFPN and Creole heifers in a tropical climate. Gauthier D. **Reprod Nutr Dev** 1986; 26(3):767–75
The effect of sudden solar exposure on thermophysiological parameters and on plasma prolactin and cortisol concentrations in male Creole goats. Sergent D, et al. **Reprod Nutr Dev** 1985;25(4A):629–40
Environmental exposure to UV-B radiation. Diffey BL. **Rev Environ Health** 1984;4(4):317–37 (46 ref.)
The physiology of blue-light systems. Schmidt W. **Symp Soc Exp Biol** 1983;36:305–30 (88 ref.)
The natural radiation environment: limitations on the biology of photoreceptors. Phytochrome as a case study. Smith H. **Symp Soc Exp Biol** 1983;36:1–18 (33 ref.)
[Effect of ultraviolet and sunlight irradiation on the nitrosamine decomposition in fish meal] He YQ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1986 Jan;20(1):1–2 (Eng. Abstr.) (Chi)
[Ultraviolet radiation (UR) of living room sunlight and its biological effects] Qiu SC. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1985 Nov; 19(6):329–32 (Eng. Abstr.) (Chi)
[Effect of meteorological and heliogeophysical factors on the acute pneumonia morbidity of the adult population of Arkhangelsk in 1981–1983] Spivak MIa, et al. **Ter Arkh** 1986;58(1):91–3 (Rus)

ADVERSE EFFECTS

Is actinic granuloma really granuloma annulare? [editorial] Dahl MV. **Arch Dermatol** 1986 Jan;122(1):39–40
Benign summer light eruption: a new entity? [letter] Jeanmougin M, et al. **Arch Dermatol** 1986 Apr;122(4):376
Solar urticaria. The relationship of photoallergen and action spectrum. Kojima M, et al. **Arch Dermatol** 1986 May; 122(5):550–5
Relationship of lumbosacral nevocytic nevi to sun exposure in dysplastic nevus syndrome. Kopf AW, et al. **Arch Dermatol** 1986 Sep;122(9):1003–6
Actinic granuloma. A clinical, histopathologic, and immunocytochemical study. McGrae JD Jr. **Arch Dermatol** 1986 Jan;122(1):43–7
Sunscreen application and its importance for the sun protection factor. Stenberg C, et al. **Arch Dermatol** 1985 Nov;121(11):1400–2
Sun protection education in Australia. Chick J. **Australas J Dermatol** 1985 Aug;26(2):65–6
The aetiological significance of sunlight and fluorescent lighting in malignant melanoma: a case–control study. Sorahan T, et al. **Br J Cancer** 1985 Nov;52(5):765–9
Are solar keratoses more common on the driver's side? Foley P, et al. **Br Med J [Clin Res]** 1986 Jul 5;293(6538):18
Solar keratoses. The association with erythemal ultraviolet radiation in Australia. Marks R, et al. **Cancer** 1985 Nov 1;56(9):2332–6
Exposure to sunlight: effects on the skin. Schreiber MM. **Compr Ther** 1986 May;12(5):38–42
Solar urticaria. Armstrong RB. **Dermatol Clin** 1986 Apr; 4(2):253–9
Photoaging. Manifestations, prevention, and treatment. Kligman LH. **Dermatol Clin** 1986 Jul;4(3):517–28 (40 ref.)
Sun-induced aging. Clinical and laboratory observations in man. Sams WM Jr. **Dermatol Clin** 1986 Jul;4(3):509–16 (40 ref.)
Reactive perforating collagenosis and phototraumatism. Berlin C, et al. **Dermatologica** 1985;171(4):255–8
Sun-induced disorders. Bickers DR. **Emerg Med Clin North Am** 1985 Nov;3(4):659–76 (53 ref.)
Sunlight–its etiological role in cataract formation. Kharmar BK, et al. **Indian J Ophthalmol** 1983;31 Suppl:842–3
Blue light hazard and sunglass phototransmission. Pabley SA, et al. **Indian J Ophthalmol** 1984 Sep–Oct;32(5):351–3
Lichenoid actinic keratosis [letter] **J Am Acad Dermatol** 1986 Feb;14(2 Pt 1):279
Dermabrasion of the scalp as a treatment for actinic damage. Winton GB, et al. **J Am Acad Dermatol** 1986 Apr; 14(4):661–8
Bowenoid actinic keratoses [letter] Harrison PV, et al. **J Dermatol Surg Oncol** 1986 Apr;12(4):322
Purpura associated with exposure to sunlight. Leung AK. **J R Soc Med** 1986 Jul;79(7):423–4
Chrysiasis: the role of sun exposure in dermal hyperpigmentation secondary to gold therapy. Leonard PA, et al. **J Rheumatol** 1986 Feb;13(1):58–64
Etiology of common acquired melanocytic nevi: constitutional variables, sun exposure, and diet. Armstrong BK, et al. **JNCI** 1986 Aug;77(2):329–35
Relationship of cutaneous malignant melanoma to individual sunlight–exposure habits. Holman CD, et al. **JNCI** 1986 Mar;76(3):403–14
Sunlight and the Granstein cell [editorial] **Lancet** 1986 Aug 2;2(8501):259–60
Sunlight and intraocular melanoma [letter] **N Engl J Med** 1986 Mar 13;314(11):712–4
The association between pinguecula, sunlight and cataract. Perkins ES. **Ophthalmic Res** 1985;17(6):325–30
Solar retinopathy in the Manchester area. Jacobs NA, et al. **Trans Ophthalmol Soc UK** 1985;104 (Pt 6):625–8
Solar elastosis associated with neoplasia in two dalmations. Knowles DP, et al. **Vet Pathol** 1986 Jul;23(4):512–4
["Sun allergy" (letter)] **Dtsch Med Wochenschr** 1986 Jul 4; 111(27):1082 (Ger)
[Acne aestivalis] Petruzzellis V, et al. **G Ital Dermatol Venereol** 1986 Jan–Feb;121(1):55–60 (Eng. Abstr.) (Ita)
[Micropapular light eruption] Horio T, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Apr;96(5):519–22 (Jpn)
[Therapeutic effect of beta-carotene on solar urticaria (type IV). A case report] Saito N, et al. **Nippon Naika Gakkai Zasshi** 1985 Aug;74(8):1118–24 (Jpn)
[Organization of the prevention of cheilitis due to the effect of the sun's rays among children at a Pioneer camp] Urbanovich LI, et al. **Stomatologiia (Mosk)** 1986 Jan–Feb; 65(1):71–3 (Eng. Abstr.) (Rus)

SUNSCREENING AGENTS

Photoprotective effect of topical indomethacin—an experimental study. Schwarz T, et al. **Dermatologica** 1985; 171(6):450–8

ADMINISTRATION & DOSAGE

Sunscreen application and its importance for the sun protection factor. Stenberg C, et al. **Arch Dermatol** 1985 Nov;121(11):1400–2
Risk reduction for nonmelanoma skin cancer with childhood sunscreen use. Stern RS, et al. **Arch Dermatol** 1986 May; 122(5):537–45
Sunscreens. Topical and systemic approaches for the prevention of acute and chronic sun-induced skin reactions. Pathak MA. **Dermatol Clin** 1986 Apr;4(2):321–34
Skin care and melanomas [letter] Blake RS. **Med J Aust** 1985 Dec 9–23;143(12–13):634

ADVERSE EFFECTS

PABA: friend or foe? [editorial] Gasparro FP. **Photodermatol** 1986 Apr;3(2):61–3
Photoallergic and allergic contact dermatitis from dibenzoylmethanes. Schauder S, et al. **Photodermatol** 1986 Jun;3(3):140–7

PHARMACODYNAMICS

Sunscreen application: flawed study? [letter] Sayre RM. **Arch Dermatol** 1986 Jul;122(7):745–6
Effect of immunosuppressive agents and sunscreens on UV carcinogenesis in the hairless mouse. Reeve VE, et al. **Aust J Exp Biol Med Sci** 1985 Dec;63 (Pt 6):655–65
Sunscreens block the induction of unscheduled DNA synthesis and the inhibition of DNA synthesis by UV-B radiation in normal human fibroblasts. A new way of evaluating sunscreen efficacy in vitro. Arase S. **Derm Beruf Umwelt** 1985;33(6):209–12
A mode of action for butylated hydroxytoluene-mediated photoprotection. Koone MD, et al. **J Invest Dermatol** 1986 Sep;87(3):343–7
In vitro evaluation of the photoprotective efficacy of sunscreens against DNA damage by UVB. Arase S, et al. **Photodermatol** 1986 Feb;3(1):56–9
Sunscreens and PUVA. Douglas WS, et al. **Photodermatol** 1985 Aug;2(4):247–51

STANDARDS

Are the protection factors assigned to proprietory sunscreen products misleading? Garmyn MA, et al. **Photodermatol** 1986 Apr;3(2):104–6
Influence of formulation on sunscreen water resistance. Leroy D, et al. **Photodermatol** 1986 Feb;3(1):52–3

THERAPEUTIC USE

Sunscreen protection for lip mucosa: a review and update. Lundeen RC, et al. **J Am Dent Assoc** 1985 Oct; 111(4):617–21
Sunscreens. Murphy GM, et al. **J R Soc Med** 1986 May; 79(5):254–6 (36 ref.)

SUNSTROKE

COMPLICATIONS

Cerebellar ataxia—a complication of heat stroke [letter] Saksena HC, et al. **J Assoc Physicians India** 1985 Aug; 33(8):551

SUPEREGO

Children who survived the Holocaust. The role of rules and routines in the development of the superego. Kestenberg JS, et al. **Int J Psychoanal** 1986;67 (Pt 3):309–16
The superego: a revised developmental model. Westen D. **J Am Acad Psychoanal** 1986 Apr;14(2):181–202
[Narcissism and development of the superego] Tyson P, et al. **Psychiatr Enfant** 1985;28(2):301–23 (Fre)
[Diagnostic significance of ego and superego blocking situations in the Rosenzweig Picture-Frustration Test] Rauchfleisch U. **Z Klin Psychol Psychopathol Psychother** 1985;33(2):152–60 (Eng. Abstr.) (Ger)

SUPERIOR COLLICULUS

ANALYSIS

Developmental variation in monosialoganglioside content of embryonic chick retina and tectum. Irwin LN, et al. **Dev Neurosci** 1985;7(4):239–46
Correlation between immunoreactive vasotocin in optic tectum and seasonal changes in reproductive behaviors of male rough-skinned newts. Zoeller RT, et al. **Horm Behav** 1986 Jun;20(2):148–54

ANATOMY & HISTOLOGY

The stratum album centrale in the optic tectum of Cyprinus carpio. Lara J, et al. **Acta Morphol Hung** 1985; 33(1–2):21–31
Inputs from motor and premotor cortex to the superior colliculus of the macaque monkey. Fries W. **Behav Brain Res** 1985 Nov–Dec;18(2):95–105
Pretectal complex and accessory optic system of primates. Weber JT. **Brain Behav Evol** 1985;26(2):117–40 (70 ref.)
Demonstration of ipsilateral retinocollicular projections in the tree shrew (Tupaia glis). Conley M, et al. **Brain Res** 1985 Oct 28;346(1):181–5
Retinotectal projection in reeler mutant mice: relationships among axon trajectories, arborization patterns and cytoarchitecture. Frost DO, et al. **Brain Res** 1986 Jul; 393(1):109–20
Intercollicular fibers terminating in the superficial layers of the superior colliculus: a WGA–HRP study in the rat. Jen LS, et al. **Brain Res** 1986 Aug 6;379(2):385–9
Cholinergic projections from the parabigeminal nucleus (Ch8) to the superior colliculus in the mouse: a combined analysis of horseradish peroxidase transport and choline acetyltransferase immunohistochemistry. Mufson EJ, et al. **Brain Res** 1986 Apr 2;370(1):144–8
The topographical organization of neurons in the rat medial frontal, insular and olfactory cortex projecting to the solitary nucleus, olfactory bulb, periaqueductal gray and superior colliculus. Neafsey EJ, et al. **Brain Res** 1986 Jul 9;377(2):561–70
The organization of neurons in the nucleus of the lateral lemniscus projecting to the superior and inferior colliculi in the rat. Tanaka K, et al. **Brain Res** 1985 Aug 26; 341(2):252–60
Tectal projection neurons to the retinopetal nucleus in the filefish. Uchiyama H, et al. **Brain Res** 1986 Mar 26; 369(1–2):260–6
Superior collicular projection to intralaminar thalamus in rat. Yamasaki DS, et al. **Brain Res** 1986 Jul 23;378(2):223–33
Topographical projections from the posterior thalamic regions to the striatum in the cat, with reference to possible tecto-thalamo-striatal connections. Takada M, et al. **Exp Brain Res** 1985;60(2):385–96
Subcortical afferent and efferent connections of the superior colliculus in the rat and comparisons between albino and pigmented strains. Taylor AM, et al. **Exp Brain Res** 1986; 62(1):131–42
Spatial relationship of histochemically demonstrable patches in the mouse superior colliculus. Wallace MN. **Exp Brain Res** 1986;62(2):241–9
Optic tectum of the eastern garter snake, Thamnophis sirtalis. III. Morphology of intrinsic neurons. Dacey DM, et al. **J Comp Neurol** 1986 Mar 15;245(3):283–300
Optic tectum of the eastern garter snake, Thamnophis sirtalis. I. Efferent pathways. Dacey DM, et al. **J Comp Neurol** 1986 Mar 1;245(1):1–28
Optic tectum of the eastern garter snake, Thamnophis sirtalis. IV. Morphology of afferents from the retina. Dacey DM, et al. **J Comp Neurol** 1986 Mar 15;245(3):301–18
Optic tectum of the eastern garter snake, Thamnophis sirtalis. II. Morphology of efferent cells. Dacey DM, et al. **J Comp Neurol** 1986 Mar 8;245(2):198–237
Optic tectum of the eastern garter snake, Thamnophis sirtalis. V. Morphology of brainstem afferents and general discussion. Dacey DM, et al. **J Comp Neurol** 1986 Mar 22;245(4):423–53
The organization of the diencephalon and the pretectum in the cichlid fish, Haplochromis burtoni. Fernald RD, et al. **J Comp Neurol** 1985 Aug 8;238(2):202–17
Ocular dominance columns and retinal projections in New World spider monkeys (Ateles ater). Florence SL, et al. **J Comp Neurol** 1986 Jan 8;243(2):234–48
A second ascending visual pathway from the optic tectum to the telencephalon in the pigeon (Columba livia). Gamlin PD, et al. **J Comp Neurol** 1986 Aug 15;250(3):296–310
Projections from the parabigeminal nucleus to the dorsal

lateral geniculate nucleus in the tree shrew Tupaia glis. Hashikawa T, et al. **J Comp Neurol** 1986 Apr 15; 246(3):382–94

Trigeminotectal and other trigeminofugal projections in neonatal kittens: an anatomical demonstration with horseradish peroxidase and tritiated leucine. McHaffie JG, et al. **J Comp Neurol** 1986 Jul 15;249(3):411–27

Noradrenergic and serotoninergic innervation of cortical, thalamic, and tectal visual structures in Old and New World monkeys. Morrison JH, et al. **J Comp Neurol** 1986 Jan 1;243(1):117–38

Hypothalamic and ventral thalamic projections to the superior colliculus in the cat. Rieck RW, et al. **J Comp Neurol** 1986 Jan 8;243(2):249–65

Topography of the goldfish optic tracts: implications for the chronological clustering model. Springer AD, et al. **J Comp Neurol** 1985 Sep 1;239(1):108–16

A quantitative study of the relative contribution of different retinal sectors to the innervation of various thalamic and pretectal nuclei in goldfish. Springer AD, et al. **J Comp Neurol** 1985 Dec 15;242(3):369–80

Transient tectogeniculate projections in neonatal kittens: an autoradiographic study. Stein BE, et al. **J Comp Neurol** 1985 Sep 22;239(4):402–12

Afferent projections to the superior colliculus in the rat, with special attention to the deep layers. Caduseau J, et al. **J Hirnforsch** 1985;26(6):667–81

A quantitative study of the nucleus rotundus of the carp. Cuadrado MI, et al. **J Hirnforsch** 1985;26(4):459–61

Structural organization of the optic tectum of Barbus meridionalis Risso. I. Inner strata (SPV, SAC and SGC). Miguel Hidalgo JJ, et al. **J Hirnforsch** 1986;27(1):19–27

Structural organization of the optic tectum of Barbus meridionalis Risso. II. Outer strata (SFGS, SO and SM). Miguel Hidalgo JJ, et al. **J Hirnforsch** 1986;27(1):29–36

Glial domains and nerve fiber patterns in the fish retinotectal pathway. Maggs A, et al. **J Neurosci** 1986 Feb;6(2):424–38

Cortical and tectal afferent terminals in the suprageniculate nucleus of the cat. Norita M, et al. **Neurosci Lett** 1986 Mar 28;65(1):104–8

Tectal neurons projecting to the isthmo-optic nucleus in the Japanese quail. Uchiyama H, et al. **Neurosci Lett** 1985 Aug 5;58(3):381–5

The reciprocal connections of the suprageniculate nucleus and the superior colliculus in the rat. Tanaka K, et al. **Neurosci Res** 1985 Oct;3(1):79–85

Cytoarchitectural fields and retinal termination: an axonal transport study of laminar organization in the avian optic tectum. Hayes BP, et al. **Neuroscience** 1985 Nov; 16(3):641–57

Complementary and non-matching afferent compartments in the cat's superior colliculus: innervation of the acetylcholinesterase-poor domain of the intermediate gray layer. Illing RB, et al. **Neuroscience** 1986 Jun;18(2):373–94

The optic tectum of gymnotiform teleosts Eigenmannia virescens and Apteronotus leptorhynchus: a Golgi study. Sas E, et al. **Neuroscience** 1986 May;18(1):215–46

Quantitative analysis of the superior colliculus and the parabigeminal nucleus in the hereditary unilaterally microphthalmic rat. Tokunaga A, et al. **Okajimas Folia Anat Jpn** 1986 Mar;62(6):365–83

[Control of visual exploration: anatomic and physiologic data] Mauguiere F. **J Fr Ophtalmol** 1985;8(12):803–12 (Eng. Abstr.) **(Fre)**

[Neuronal specificity in retinotectal projection] Fujisawa H. **No To Shinkei** 1986 May;38(5):437–44 (27 ref.) **(Jpn)**

BLOOD SUPPLY

Blood vessel ultrastructure in the chick optic tectum developing under chronic hypoxia conditions. Roncali L, et al. **Acta Neuropathol (Berl)** 1985;67(3–4):242–6

CYTOLOGY

The organization of serotonin fibers in the mammalian superior colliculus. An immunohistochemical study. Ueda S, et al. **Anat Embryol (Berl)** 1985;173(1):13–21

An unusual effect of gamma-aminobutyric acid on synaptic transmission of frog tectal neurones in vitro. Nistri A, et al. **Br J Pharmacol** 1985 Aug;85(4):917–21

In vitro proliferation of radial glia within isolated tectal tissue explanted from adult goldfish. Henken DB, et al. **Brain Res** 1986 Jan 29;364(1):186–9

Effects of neonatal intraocular colchicine on synaptogenesis and on the retention of the ipsilateral retinofugal projection within the superior colliculus. Matthews MA. **Exp Brain Res** 1985;60(3):465–82

Tectal neurons of the frog: intracellular recording and labeling with cobalt electrodes. Antal M, et al. **J Comp Neurol** 1986 Apr 8;246(2):238–53

A correlation between receptive field properties and morphological structures in the pretectum of the cat. Ballas I, et al. **J Comp Neurol** 1985 Aug 22;238(4):417–28

Observations on the somatodendritic morphology and axonal trajectory of intracellularly HRP-labeled efferent neurons located in the deeper layers of the superior colliculus of the cat. Moschovakis AK, et al. **J Comp Neurol** 1985 Sep 15;239(3):276–308

Axosomatic retinal projection to deep tectal neurons and retinopetal neurons in largemouth bass (Micropterus salmoides lacepede). Bazer GT, et al. **Neurosci Lett** 1985 Sep 6;59(3):309–12

A note on a tectal neuron projecting via the tectobulbar tract in teleosts. Sharma SC, et al. **Neurosci Lett** 1985 Sep 6; 59(3):265–70

The transneuronal transport of horseradish peroxidase in the visual system of the frog, Rana pipiens. Hughes TE, et al. **Neuroscience** 1986 Feb;17(2):507–18

[Projection cells of the superior colliculus to the facial nucleus in the rat] Shinsenji M. **Nippon Ika Daigaku Zasshi** 1986 Feb;53(1):77–83 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

GABA-specificity of behaviour responses to picrotoxin injected into the colliculus superior of cats. Jaspers R, et al. **Behav Brain Res** 1985 Oct–Nov;18(1):63–9

Induction of audiogenic seizure susceptibility by focal infusion of excitant amino acid or bicuculline into the inferior colliculus of normal rats. Millan MH, et al. **Exp Neurol** 1986 Mar;91(3):634–9

Biphasic effects of glycine on synaptic responses of the frog optic tectum in vitro. Sivilotti L, et al. **Neurosci Lett** 1986 May 6;66(1):25–30

[The effects of sodium valproate on neuron discharges in the superior colliculus of the cat] Enomoto H, et al. **Nippon Ganka Gakkai Zasshi** 1986 Jan;90(1):173–8 (Eng. Abstr.) **(Jpn)**

EMBRYOLOGY

Development of the crossed retinocollicular projection in the mouse. Edwards MA, et al. **J Comp Neurol** 1986 Jun 15;248(3):410–21

Evidence for shifting connections during development of the chick retinotectal projection. McLoon SC. **J Neurosci** 1985 Oct;5(10):2570–80

Effects of the chronic hypoxia on the developing blood–brain barrier in the chick embryo optic tectum. Roncali L, et al. **J Submicrosc Cytol** 1986 Jul;18(3):537–41

Gliogenesis: the importance of appropriate cell associations. Linser PJ. **Prog Clin Biol Res** 1986;217A:127–30

ENZYMOLOGY

Nucleus isthmi provides most tectal choline acetyltransferase in the frog Rana pipiens. Ricciuti AJ, et al. **Brain Res** 1985 Aug 26;341(2):399–402

Effect of enucleation on choline acetyltransferase activity in layers of goldfish optic tectum. Ross CD, et al. **Brain Res** 1986 May 14;373(1–2):49–56

Laminar distribution and patchiness of cytochrome oxidase in mouse superior colliculus. Wiener SI. **J Comp Neurol** 1986 Feb 8;244(2):137–48

Glutamate decarboxylase immunoreactivity in the intermediate grey layer of the superior colliculus in the cat. Lu SM, et al. **Neuroscience** 1985 Sep;16(1):123–31

[Quantitative histochemical investigations on the demonstration of soluble and membrane bound acetylcholinesterase in the optic tectum of the rudd (Scardinius erythrophthalmus)] Andrä J, et al. **Acta Histochem [Suppl] (Jena)** 1986;33:157–63 (Eng. Abstr.) **(Ger)**

GROWTH & DEVELOPMENT

Development of cortical afferents and cortico-tectal efferents of the mammalian (rat) primary visual cortex. Dreher B, et al. **Aust N Z J Ophthalmol** 1985 Aug;13(3):251–61

An exuberant retinocollicular pathway in Siamese kittens: effects of competition and abnormal activity on its maturation. Berman NE, et al. **Brain Res** 1985 Oct; 354(2):197–209

Control of cell number in the developing visual system. I. Effects of monocular enucleation. Finlay BL, et al. **Brain Res** 1986 Jul;393(1):1–10

Temporary double representation in expanded ipsilateral retinocollicular projection of neonatally one-eye-removed rats. Fukuda Y, et al. **Brain Res** 1985 Oct;354(2):279–83

The cells of origin of the aberrant recrossed retinotectal projection in the rat. Jen LS, et al. **Brain Res** 1986 Jul 9;377(2):368–73

Effects of monocular enucleation at different stages of development on the uncrossed retinocollicular projection in the opossum. Méndez-Otero R, et al. **Brain Res** 1986 Jun;392(1–2):101–8

Control of cell number in the developing visual system. III. Effects of visual cortex ablation. Raabe JI, et al. **Brain Res** 1986 Jul;393(1):23–31

The development of the corticotectal pathway in the albino rat. Thong IG, et al. **Brain Res** 1986 Mar;390(2):227–38

Control of cell number in the developing visual system. II. Effects of partial tectal ablation. Wikler KC, et al. **Brain Res** 1986 Jul;393(1):11–21

Development of cell and fiber lamination in the mouse superior colliculus. Edwards MA, et al. **J Comp Neurol** 1986 Jun 15;248(3):395–409

Optic fibers follow aberrant pathways from rotated eyes in Xenopus laevis. Grant P, et al. **J Comp Neurol** 1986 Aug 15;250(3):364–76

The development of acetylcholinesterase activity in normal and transplanted superior colliculus in rats. Harvey AR, et al. **J Comp Neurol** 1985 Oct 8;240(2):117–27

Postnatal changes in arborization patterns of murine retinocollicular axons. Sachs GM, et al. **J Comp Neurol** 1986 Apr 15;246(3):395–408

Map formation in the developing Xenopus retinotectal system: an examination of ganglion cell terminal arborizations. Sakaguchi DS, et al. **J Neurosci** 1985 Dec; 5(12):3228–45

A species difference between Rana and Xenopus in the occurrence of intertectal neuronal plasticity. Kennard C, et al. **Neurosci Lett** 1985 Aug 5;58(3):365–70

Substance P-containing ganglion cells become progressively less detectable during retinotectal development in the frog Rana pipiens. Kuljis RO, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(15):5736–40

IMMUNOLOGY

Interaction of monoclonal antibodies to electroplaque acetylcholine receptors with the alpha-bungarotoxin binding site of goldfish brain. Henley JM, et al. **Brain Res** 1986 Feb 5;364(2):405–8

INJURIES

The topography of aberrant ipsilateral retinogeniculate projections following neonatal ablation of the superior colliculus in rats. Reese BE. **Brain Res** 1985 Oct; 354(2):288–92

METABOLISM

Localization of [3H]cyclohexyladenosine and [3H]nitrobenzylthioinosine binding sites in rat striatum and superior colliculus. Geiger JD. **Brain Res** 1986 Jan 22; 363(2):404–7

Increased dependence of superior colliculus metabolic activity on visual cortex after eye enucleation. Thurlow GA, et al. **Exp Neurol** 1985 Dec;90(3):594–600

Selective retrograde labeling with D-[3H]-aspartate in afferents to the mammalian superior colliculus. Matute C, et al. **J Comp Neurol** 1985 Nov 1;241(1):34–49

A bioluminescence method for the measurement of L-glutamate: applications to the study of changes in the release of L-glutamate from lateral geniculate nucleus and superior colliculus after visual cortex ablation in rats. Fosse VM, et al. **J Neurochem** 1986 Aug;47(2):340–9

PATHOLOGY

Distribution of the tecto-thalamic projection neurons in the hereditary microphthalmic rat. Sugita S, et al. **Exp Brain Res** 1985;60(3):564–75

The topography of expanded uncrossed retinal projections following neonatal enucleation of one eye: differing effects in dorsal lateral geniculate nucleus and superior colliculus. Reese BE. **J Comp Neurol** 1986 Aug 1;250(1):8–32

PHYSIOLOGY

The projection from the superior colliculus to the lateral reticular nucleus in the cat as studied with retrograde transport of WGA-HRP. Qvist H, et al. **Anat Embryol (Berl)** 1985;173(2):269–74

Electrophysiological projections of pulvinar-lateralis posterior complex (P-LP) upon superior colliculus units in the cat. Infante C, et al. **Arch Ital Biol** 1986 May; 124(2):73–81

Vision in goldfish following bilateral tectal ablation. Schlumpf BE, et al. **Behav Brain Res** 1985 Dec;18(3):193–9

Reinstatement of orienting behavior by d-amphetamine in rats with superior colliculus lesions. Midgley GC, et al. **Behav Neurosci** 1986 Apr;100(2):246–55

Behaviour-dependent changes of visually evoked potential components in the superior colliculus of freely moving rats. Brankačk J, et al. **Biomed Biochim Acta** 1985;44(5):743–8

Intensity-dependent changes of visually evoked potential components in the superior colliculus of freely moving rats. Brankačk J, et al. **Biomed Biochim Acta** 1985;44(5):737–42

Correlation between peak times of visually evoked potentials and an amplitude coefficient of acoustically evoked potentials in the superior colliculus on the freely moving rat. Brankačk J, et al. **Biomed Biochim Acta** 1985; 44(10):1549–52

Electrophysiological analysis of the tecto-olivo-cerebellar (crus II) projection in the rat. Akaike T. **Brain Res** 1986 Jul 16;378(1):186–90

Biochemical plasticity in the superior colliculus of adult rats after chronic visual cortex ablation. Fosse VM, et al. **Brain Res** 1986 Apr 30;372(1):189–92

Visual response properties of ventral lateral geniculate nucleus cells projecting to the pretectum and superior colliculus in the cat. Hada J, et al. **Brain Res** 1986 Jan 15;363(1):165–9

Regrowth of retinal axons after lesions of the brachium and pretectal region in the rat. Harvey AR, et al. **Brain Res** 1986 Mar 12;368(1):141–7

Cholecystokinin-containing and nociceptive neurons in rat Edinger-Westphal nucleus. Innis RB, et al. **Brain Res** 1986 Jan 22;363(2):230–8

Synaptic transmission of excitation from the retina to cells in the pigeon's optic tectum. Leresche N, et al. **Brain Res** 1986 Feb 12;365(1):138–44

Synaptic organization of inhibitory circuits in the pigeon's optic tectum. Leresche N, et al. **Brain Res** 1986 Feb 19; 365(2):383–7

Long-term potentiation in the goldfish optic tectum. Lewis D, et al. **Brain Res** 1986 Jun 11;375(2):246–50

Glossopharyngeal and tectal influences on tongue-muscle motoneurons in the Japanese toad. Matsushima TA, et al. **Brain Res** 1986 Feb 12;365(1):198–203

Spatial factors determine the activity of multisensory neurons in cat superior colliculus. Meredith MA, et al. **Brain Res** 1986 Feb 19;365(2):350–4

Influence of a local inactivation in the superior colliculus on lateral geniculate responses in rabbits. Molotchnikoff S, et al. **Brain Res** 1986 Jun 4;375(1):66–72

Tectospinal neurons in the cat have discharges coding gaze position error. Munoz DP, et al. **Brain Res** 1985 Aug 19; 341(1):184–8

Axonal projections of X-cells to the superior colliculus and to the nucleus of the optic tract in cats. Sawai H, et al. **Brain Res** 1985 Aug 19;341(1):1–6

Putative cholinergic interneurons in the optic tectum of goldfish. Tumosa N, et al. **Brain Res** 1986 Apr 9; 370(2):365–9

Modification of neuronal discharge along the ascending tectofugal pathway during visual conditioning. Wall JT, et al. **Brain Res** 1985 Sep 2;342(1):67–76

Superior colliculus lesions and flash evoked potentials from rat cortex. Barnes MI, et al. **Brain Res Bull** 1986 Feb; 16(2):225–30

Field potentials from the frog optic tectum in vitro. Sivilotti L. **Brain Res Bull** 1986 Apr;16(4):553–6

The nature of the visual discrimination impairment after neonatal or adult ablation of superior colliculi in rats. Heywood CA, et al. **Exp Brain Res** 1986;61(2):403–12

Saccadic eye movements following injection of lidocaine into the superior colliculus. Hikosaka O, et al. **Exp Brain Res** 1986;61(3):531–9

Integration of visual and auditory information in bimodal neurones in the guinea-pig superior colliculus. King AJ, et al. **Exp Brain Res** 1985;60(3):492–500

Modulations of the lateral geniculate nucleus cell responses by a second discrete conditioning stimulus: implications of the superior colliculus in rabbits. Molotchnikoff S, et al. **Exp Brain Res** 1986;62(2):321–8

Direct excitatory and inhibitory synaptic inputs from the medial mesodiencephalic junction to motoneurons innervating extraocular oblique muscles in the cat. Nakao S, et al. **Exp Brain Res** 1985;61(1):62–72

Eye position signals in cat superior colliculus. Peck CK. **Exp Brain Res** 1986;61(2):447–50

Visuotopic information conveyed by each eye to the opossum's superior colliculus. Ramôa AS, et al. **Exp Brain Res** 1985;60(3):576–83

Role of the extra-geniculate pathway in visual guidance. I. Effects of lesioning the superior colliculus in the cat. Viévard A, et al. **Exp Brain Res** 1986;62(3):587–95

Nigral inhibitory termination on efferent neurons of the superior colliculus: an intracellular horseradish peroxidase study in the cat. Karabelas AB, et al. **J Comp Neurol** 1985 Sep 15;239(3):309–29

Regeneration of peptide-containing retinofugal axons into the optic tectum with reappearance of a substance P-containing lamina. Kuljis RO, et al. **J Comp Neurol** 1985 Oct 1;240(1):1–15

Topography of regenerating optic fibers in goldfish traced with local wheat germ injections into retina: evidence for discontinuous microtopography in the retinotectal projection. Meyer RL, et al. **J Comp Neurol** 1985 Sep 1; 239(1):27–43

Binocularly driven neurons in the rostral part of the frog optic tectum. Gaillard F. **J Comp Physiol [A]** 1985 Jul; 157(1):47–55

The antidromic activation of tectal neurons by electrical stimuli applied to the caudal medulla oblongata in the toad, Bufo bufo L. Satou M, et al. **J Comp Physiol [A]** 1985 Dec;157(6):739–48

Tongue-muscle-controlling motoneurons in the Japanese toad: topography, morphology and neuronal pathways from the 'snapping-evoking area' in the optic tectum. Satou M, et al. **J Comp Physiol [A]** 1985 Dec;157(6):717–37

Factors guiding regenerating retinotectal fibres in the frog Xenopus laevis. Fawcett JW. **J Embryol Exp Morphol** 1985 Dec;90:233–50

Both striate cortex and superior colliculus contribute to visual properties of neurons in superior temporal polysensory area of macaque monkey. Bruce CJ, et al. **J Neurophysiol** 1986 May;55(5):1057–75

Effects of cooling somatosensory cortex on response properties of tactile cells in the superior colliculus. Clemo HR, et al. **J Neurophysiol** 1986 Jun;55(6):1352–68

Effects of eye position on saccades evoked electrically from superior colliculus of alert cats. McIlwain JT. **J Neurophysiol** 1986 Jan;55(1):97–112

Physiological properties of individual cerebral axons studied in vivo for as long as one year. Swadlow HA. **J Neurophysiol** 1985 Nov;54(5):1346–62

Experience alters the spatial tuning of auditory units in the optic tectum during a sensitive period in the barn owl. Knudsen EI. **J Neurosci** 1985 Nov;5(11):3094–109

Correlations between the structural and functional characteristics of neurons in the superficial laminae and the hamster's superior colliculus. Mooney RD, et al. **J Neurosci** 1985 Nov;5(11):2989–3009

Movement of retinal terminals in goldfish optic tectum predicted by analysis of neuronal proliferation. Raymond PA. **J Neurosci** 1986 Sep;6(9):2479–88

Movements resembling orientation or avoidance elicited by electrical stimulation of the superior colliculus in rats. Sahibzada N, et al. **J Neurosci** 1986 Mar;6(3):723–33

The colliculus superior modulates ACTH-induced excessive grooming. Spruijt BM, et al. **Life Sci** 1986 Aug 4; 39(5):461–70

Morphological identification of prey-selective neurons in the grass frog's optic tectum. Ewert JP, et al. **Naturwissenschaften** 1985 Dec;72(12):661–3

Effect of a local focus of enhanced excitability in the mesencephalic reticular formation and sensomotor cortex on superior collicular function. Panakhova EN, et al. **Neurosci Behav Physiol** 1986 Jan–Feb;16(1):77–84

The velocity function of ipsilateral visual units in the frog optic tectum: comparison with retinal ganglion cells. Gaillard F, et al. **Neurosci Lett** 1986 Mar 28;65(1):99–103

Direct projection of cat midbrain tegmentum neurons to the medial rectus subdivision of the oculomotor complex. Nakao S, et al. **Neurosci Lett** 1986 Feb 28;64(2):123–8

Aberrant axonal paths in regenerated goldfish retina and tectum opticum following intraocular injection of ouabain. Stuermer CA, et al. **Neurosci Lett** 1985 Aug 5;58(3):333–8

An electromyographic analysis of electrically-evoked prey-catching behavior by means of stimuli applied to the optic tectum in the Japanese toad. Matsushima T, et al. **Neurosci Res** 1985 Dec;3(2):154–61

The structural and functional characteristics of striate cortical neurons that innervate the superior colliculus and lateral posterior nucleus in hamster. Klein BG, et al. **Neuroscience** 1986;17(1):57–78

Opposite locomotor asymmetries elicited from the medial and lateral substantia nigra: role of the superior colliculus. Vaccarino FJ, et al. **Physiol Behav** 1985 Nov;35(5):741–7

Translation of sensory signals into commands for control of saccadic eye movements: role of primate superior colliculus. Sparks DL. **Physiol Rev** 1986 Jan;66(1):118–71 (242 ref.)

The functional organization of the primate superior colliculus: a motor perspective. Sparks DL, et al. **Prog Brain Res** 1986;64:235–41

Effects of collicular lesions in the hamster during visual discrimination. An analysis from computer-video actograms. Thinus-Blanc C, et al. **Q J Exp Psychol [B]** 1985 Aug;37(3):213–33

Binocular responses in the superior colliculus of the albino rat. Diao YC, et al. **Sci Sin [B]** 1984 Dec;27(12):1245–54

Acetylcholine receptor synthesis in retina and transport to optic tectum in goldfish. Henley JM, et al. **Science** 1986 Jun 27;232(4758):1627–9

Chromatic properties of the retinal afferents in the thalamus and the tectum of the frog (Rana temporaria). Maximov VV, et al. **Vision Res** 1985;25(8):1037–49

Visuomotor fields of the superior colliculus: a quantitative model. Ottes FP, et al. **Vision Res** 1986;26(6):857–73

[Discharge mechanism of pigeon optic tectum neurons in an in vitro preparation] Hardy O, et al. **C R Acad Sci [III]** 1985;301(15):685–8 (Eng. Abstr.) **(Fre)**

[Electrical activities of the superior colliculus neurons responding to visual stimuli and passive eye movement in the cat. Responses to the separate and combined stimulation] Ichihashi K. **Nippon Ganka Gakkai Zasshi** 1985 Oct;89(10):1082–8 (Eng. Abstr.) **(Jpn)**

[Relation between the spatial characteristics of the receptive fields of the superior colliculi of the cat and the rate of movement of a photic stimulus] Kiseleva NB, et al. **Fiziol Zh SSSR** 1985 Dec;71(12):1540–5 (Eng. Abstr.) **(Rus)**

[Effect of stimulation of the superior colliculi of the tectum mesencephali on the motor neurons of the neck muscles of the cat] Gura EV, et al. **Neirofiziologiia** 1986; 18(2):197–202 (Eng. Abstr.) **(Rus)**

[Paired facilitation of the summated extracellular synaptic potentials of individual retino-tectal fibers in the frog] Kuras AV, et al. **Neirofiziologiia** 1986;18(1):45–55 (Eng. Abstr.) **(Rus)**

[Functional organization of the receptive fields of neurons of the superior colliculi of the mammalian brain] Mass AM. **Usp Fiziol Nauk** 1985 Oct–Dec;16(4):84–105 (152 ref.) **(Rus)**

PHYSIOPATHOLOGY

Retrograde degeneration of myelinated axons and re-organization in the optic nerves of adult frogs (Xenopus laevis) following nerve injury or tectal ablation. Bohn RC, et al. **J Neurocytol** 1985 Apr;14(2):221–44

[Oscillatory evoked potentials in the rabbit visual system during experimental retinal pathology induced by administration of monoiodoacetic acid] Gasanov GG, et al. **Biull Eksp Biol Med** 1985 Sep;100(9):289–92 (Eng. Abstr.) **(Rus)**

SURGERY

Successful laser-assisted excision of a metastatic midbrain tumor. Tobler WD, et al. **Neurosurgery** 1986 Jun; 18(6):795–7

ULTRASTRUCTURE

Time-course of ultrastructural changes in regenerated optic fiber terminals of goldfish. Radel JD, et al. **Brain Res** 1985 Sep 2;342(1):168–71

Modification of ultrastructural and neurochemical parameters in synaptosomes of the retino-deprived goldfish optic tectum. Contestabile A, et al. **Exp Brain Res** 1986; 62(3):560–6

Ultrastructural localization of calcium in the CNS of vertebrates. Probst W. **Histochemistry** 1986;85(3):231–9

A note on presynaptic dendrites in explant cultures of embryonic chick tectum. Bird MM. **J Anat** 1985 Jun;140 (Pt 4):651–8

Polarized compartmentalization of organelles in growth cones from developing optic tectum. Cheng TP, et al. **J Cell Biol** 1985 Oct;101(4):1473–80

Fine structure of the optic fiber termination layer in the tectum of the teleost Rutilus: a stereological and morphometric study. Peyrichoux J, et al. **J Comp Neurol** 1986 Apr 15;246(3):364–81

SUPERIOR MESENTERIC ARTERY SYNDROME see under **DUODENAL OBSTRUCTION**

SUPERIOR VENA CAVA OBSTRUCTION see **SUPERIOR VENA CAVA SYNDROME**

SUPERIOR VENA CAVA SYNDROME

COMPLICATIONS

[An autopsy case of triple cancer associated with superior vena cava syndrome] Sugiyama A, et al. **Gan No Rinsho** 1985 Aug;31(10):1347–52 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Obstruction of the superior vena cava or subclavian veins: sonographic diagnosis. Gooding GA, et al. **Radiology** 1986 Jun;159(3):663–5

DRUG THERAPY

[Superior vena cava syndrome caused by a pacemaker cable, treated with streptokinase (letter)] Micó Giner L, et al. **Rev Clin Esp** 1985 Nov;177(7):358 **(Spa)**

ETIOLOGY

Superior vena caval obstruction secondary to acute dissecting aneurysm of the aorta. Kahn SE, et al. **Am Heart J** 1986 Mar;111(3):606–8

Total airway occlusion and superior vena cava syndrome in a child with an anterior mediastinal tumor. Northrip DR, et al. **Anesth Analg** 1986 Oct;65(10):1079–82

Superior vena caval obstruction syndrome in small cell lung cancer. Sculier JP, et al. **Cancer** 1986 Feb 15;57(4):847–51

Pacemaker implantation in a patient with a Behçet's disease associated with superior vena cava obstruction. Or I, et al. **Cardiovasc Intervent Radiol** 1986;9(1):13–4

Acute superior vena cava syndrome after Swan-Ganz catheterization [letter] Santiago SM, et al. **Chest** 1986 Feb; 89(2):319–20

Superior vena cava syndrome associated with gynecologic malignancy. Puleo JG, et al. **Gynecol Oncol** 1986 Jan; 23(1):59–64

"Stokes' collar" due to a retrosternal toxic goitre Finucane PM, et al. **Ir J Med Sci** 1985 Jul;154(7):278–9

Primary mediastinal seminoma presenting as superior vena cava obstruction. Melillo NG, et al. **NJ Med** 1986 Mar; 83(3):173–4

Superior vena cava syndrome secondary to cervical cancer inappropriately treated with cryosurgery. Westermann C, et al. **NY State J Med** 1986 Mar;86(3):148–9

Superior vena cava syndrome due to thyroid enlargement: reversal with thyroid hormone. Mears WF, et al. **South Med J** 1985 Dec;78(12):1503–6

[The superior vena cava syndrome caused by a transvenous cardiac pacemaker] Hansen M, et al. **Ugeskr Laeger** 1985 Aug 12;147(33):2614 (Eng. Abstr.) **(Dan)**

[Complete thrombosis of the superior vena cava occurring on an endocardial electrostimulation probe. Apropos of 2 cases] Etievent JP, et al. **Ann Chir** 1985 Oct;39(7):517–20 (Eng. Abstr.) **(Fre)**

[Mediastinoscopy and the superior vena cava compression or obstruction syndrome. Apropos of 12 cases] Gamondes JP, et al. **Ann Chir** 1985 Oct;39(7):482–5 (Eng. Abstr.) **(Fre)**

[Thrombosis of the superior vena cava after internal jugular vein catheterization] Roche A, et al. **Can Anesthesiol** 1985 Oct;33(6):525–7 **(Fre)**

[Thrombosis of the superior vena cava in Behcet's disease. Apropos of a case associated with chylothorax] Saissy JM, et al. **Med Trop (Mars)** 1985 Jul–Sep;45(3):309–12 (Eng. Abstr.) **(Fre)**

[Dyspnea and upper inflow obstruction in a 43-year-old male] Wiesinger H, et al. **Internist (Berlin)** 1986 Feb; 27(2):137–40 **(Ger)**

[Obstruction of the superior vena cava by calcified lymph nodes] Goebel N, et al. **Schweiz Rundsch Med Prax** 1986 Feb 11;75(7):164–7 (Eng. Abstr.) **(Ger)**

[A case of idiopathic fibrosing mediastinitis with superior vena cava syndrome] Usui N, et al. **Kyobu Geka** 1986 Feb; 39(2):102–7 (Eng. Abstr.) **(Jpn)**

[Extraneural metastases of malignant ependymoma inducing atelectasis and superior vena cava syndrome—a case report and review of the literature] Wakabayashi T, et al. **No Shinkei Geka** 1986 Jan;14(1):59–65 (Eng. Abstr.) **(Jpn)**

[Thrombosis of the superior vena cava as a complication of permanent cardiac pacing] Biederman A, et al. **Kardiol Pol** 1985;28(8–9):572–6 (Eng. Abstr.) **(Pol)**

[Superior vena cava syndrome caused by tuberculosis of the hilar lymph nodes] Kozielski J, et al. **Wiad Lek** 1986 Apr 15;39(8):550–4 (Eng. Abstr.) **(Pol)**

[Chronic fibrous mediastinitis with a superior vena cava compression syndrome] Grinberg LM, et al. **Arkh Patol** 1986;48(6):77–9 (Eng. Abstr.) **(Rus)**

[Superior vena cava compression syndrome secondary to non-Hodgkin's lymphoma in childhood] Rivera-Márquez HF, et al. **Bol Med Hosp Infant Mex** 1985 Oct;42(10):600–4 (Eng. Abstr.) **(Spa)**

PATHOLOGY

"Downhill" esophageal varices and occlusion of superior and inferior vena cavas due to a systemic venulitis. Maton PN, et al. **J Clin Gastroenterol** 1985 Aug;7(4):331–7

RADIOGRAPHY

Digital subtraction venography in central venous obstruction. Benenati JF, et al. **AJR** 1986 Oct;147(4):685–8

The role of venography and surgery in the management of patients with superior vena cava obstruction. Stanford W, et al. **Ann Thorac Surg** 1986 Feb;41(2):158–63

Computed tomographic evaluation of compression of the superior vena cava and its tributaries. Tatu WF, et al. **Cardiovasc Intervent Radiol** 1985;8(2):89–99

Computed tomography of the superior vena cava. Raptopoulos V. **CRC Crit Rev Diagn Imaging** 1986; 25(4):373–429 (130 ref.)

CT visualization of posterior vertebral veins: a sign of vena caval obstruction. Vachon L, et al. **Pediatr Radiol** 1986; 16(3):197–9

Superior vena caval obstruction: detection using CT. Bechtold RE, et al. **Radiology** 1985 Nov;157(2):485–7

Superior vena cava obstruction: evaluation with digital subtraction angiography. Sharma RP, et al. **Radiology** 1986 Sep;160(3):845

[Digital subtraction angiography as an aid in decision-making in problematic approaches to the superior vena cava] Jost U, et al. **Anasth Intensivther Notfallmed** 1986 Feb; 21(1):31–3 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Role of CT scanning in the superior vena cava syndrome. Schwartz EE, et al. **Am J Clin Oncol** 1986 Feb;9(1):71–8

Serendipitous diagnosis of superior vena caval obstruction on a posterior abdominal flow study. Leonard JC, et al. **Clin Nucl Med** 1985 Sep;10(9):674

The value of radionuclide venography in superior vena caval obstruction. Coltart RS, et al. **Clin Radiol** 1985 Jul; 36(4):415–8

Radionuclide evaluation of the superior vena cava and upper thoracic veins in mediastinal syndrome. Durr-e-Sabih, et al. **JPMA** 1986 Mar;36(3):65–71

[Evaluation of radionuclide angiography in the diagnosis of superior vena cava obstruction] Ren CZ. **Chung Hua Fang She Hsueh Tsa Chih** 1985 Dec;19(6):325–8 (Eng. Abstr.) **(Chi)**

[Scintigraphic presentation. A rare collateral route in superior vena cava occlusion] Muramatsu T, et al. **Rinsho Hoshasen** 1986 Apr;31(4):523–4 **(Jpn)**

SURGERY

The role of venography and surgery in the management of patients with superior vena cava obstruction. Stanford W, et al. **Ann Thorac Surg** 1986 Feb;41(2):158–63

Relief of superior vena cava syndrome with spiral vein bypass grafting. Utley JR. **J SC Med Assoc** 1985 Sep;81(9):489–90

Pericardial tube for obstruction of superior vena cava by malignant teratoma. Zembala M, et al. **J Thorac Cardiovasc Surg** 1986 Mar;91(3):469–71

Surgical treatment of idiopathic mediastinal fibrosis: report of five cases. Mitchell IM, et al. **Thorax** 1986 Mar; 41(3):210–4

[Superior vena cava compression syndrome. Analysis of 3 cases of surgical decompression] Boumghar M. **Ann Chir** 1985 Oct;39(7):507–11 (Eng. Abstr.) **(Fre)**

[Reconstruction of the superior vena cava: 15 years' experience using various types of prosthetic material] Ricci C, et al. **Ann Chir** 1985 Oct;39(7):492–5 (Eng. Abstr.) **(Fre)**

[Bypass operation using a Gore-Tex graft with external ring support for SVC syndrome] Sawamura T, et al. **Kyobu Geka** 1985 Oct;38(10):819–22 (Eng. Abstr.) **(Jpn)**

THERAPY

Successful treatment of superior vena cava syndrome by venous angioplasty. Sherry CS, et al. **AJR** 1986 Oct; 147(4):834–5

Nonsurgical treatment of the superior vena cava syndrome. Montgomery JH, et al. **Am J Cardiol** 1985 Nov 1; 56(12):829–30

Superior vena cava obstruction syndrome: recommendations for management. Sculier JP, et al. **Cancer Treat Rev** 1985 Sep;12(3):209–18 (55 ref.)

[Our experience with the treatment of obstruction of the superior vena cava] Biglioli P, et al. **Ann Chir** 1985 Oct; 39(7):500–7 **(Fre)**

[Superior vena cava compression syndrome. Our experience apropos of 26 cases] Herreros J, et al. **Ann Chir** 1985 Oct; 39(7):495–500 (Eng. Abstr.) **(Fre)**

SUPERIOR VENA CAVA THROMBOSIS see **SUPERIOR VENA CAVA SYNDROME**

SUPEROVULATION see under **OVULATION**

SUPEROXIDE

The effect of pH on yields of hydroxyl radicals produced from superoxide by potential biological iron chelators. Baker MS, et al. **Arch Biochem Biophys** 1986 May 1; 246(2):581–8

Spin-trapping of superoxide ion by a water-solubie, nitroso-aromatic spin-trap. Ozawa T, et al. **Biochem Biophys Res Commun** 1986 Apr 29;136(2):657–64

A catalyst function for MPTP in superoxide formation. Poirier J, et al. **Biochem Biophys Res Commun** 1985 Sep 30;131(3):1284–9

Reaction of superoxide anions with melanins: electron spin resonance and spin trapping studies. Korytowski W, et al. **Biochim Biophys Acta** 1986 Jun 19;882(2):145–53

Photochemical generation of superoxide radical and the cytotoxicity of phthalocyanines. Ben-Hur E, et al. **Int J Radiat Biol** 1985 Nov;48(5):837–46

Chemical properties of water-soluble porphyrins. 4. The reaction of a 'picket-fence-like' iron (III) complex with the superoxide oxygen couple. Faraggi M, et al. **Int J Radiat Biol** 1986 Jun;49(6):951–68

Toxicity of aromatic disulphides. I. Generation of superoxide radical and hydrogen peroxide by aromatic disulphides in vitro. Munday R. **J Appl Toxicol** 1985 Dec;5(6):402–8

Catalytic activity of a copper(II)-oxidized glutathione complex on aqueous superoxide ion dismutation. Jouini M, et al. **J Inorg Biochem** 1986 Apr;26(4):269–80

Radiation sensitization by oxygen of in vitro mammalian cells: is .O-2 involved? Ewing D, et al. **Radiat Res** 1986 Jun; 106(3):356–65

ANALYSIS

Use of high-performance liquid chromatography to detect hydroxyl and superoxide radicals generated from mitomycin C. Pritsos CA, et al. **Anal Biochem** 1985 Nov 1;150(2):294–9

Heterogeneity in chronic granulomatous disease detected with an improved nitroblue tetrazolium slide test. Meerhof LJ, et al. **J Leukocyte Biol** 1986 Jun;39(6):699–711

ANTAGONISTS & INHIBITORS

Interactions of antirheumatic drugs with the superoxide generation system of activated human polymorphonuclear leukocytes. Minta JO, et al. **J Rheumatol** 1986 Jun; 13(3):498–504

Effects of anethole dithiolthione and 2(3)-tert-butyl-4-hydroxyanisole on schistosome granuloma formation. Feldman GM, et al. **Parasite Immunol** 1985 Nov;7(6):567–73

BIOSYNTHESIS

Properties of an acid phosphatase from Legionella micdadei which blocks superoxide anion production by human neutrophils. Saha AK, et al. **Arch Biochem Biophys** 1985 Nov 15;243(1):150–60

Trauma serum suppresses superoxide production by normal neutrophils. Lanser ME, et al. **Arch Surg** 1986 Feb; 121(2):157–62

Differential effects of mepacrine, chloroquine and hydroxychloroquine on superoxide anion generation, phospholipid methylation and arachidonic acid release by human blood monocytes. Hurst NP, et al. **Biochem Pharmacol** 1986 Sep 15;35(18):3083–9

Effect of allopurinol on neutrophil superoxide production, chemotaxis, or degranulation. Jones HP, et al. **Biochem Pharmacol** 1985 Oct 15;34(20):3673–6

Graded responses of human neutrophils induced by serum-treated zymosan. Whitin JC, et al. **Blood** 1985 Nov; 66(5):1182–8

Effect of interferon-gamma and 1 alpha,25-dihydroxyvitamin D3 on superoxide anion, prostaglandins E2, and mononuclear cell factor production by U937 cells. Roux-Lombard P, et al. **Cell Immunol** 1986 Feb; 97(2):286–96

The generation of superoxide anions by polymorphonuclear leucocytes from patients with ankylosing spondylitis in response to the stimulant f-met-leu-phe. Miller C, et al. **Clin Exp Rheumatol** 1986 Apr-Jun;4(2):135–7

Asbestos effects on superoxide production. An in vitro study of hamster alveolar macrophages. Case BW, et al. **Environ Res** 1986 Apr;39(2):299–306

Ocular responses to superoxide generated by intraocular injection of xanthine oxidase. Mittag TW, et al. **Exp Eye Res** 1985 Mar;40(3):411–9

Superoxide production of polymorphonuclear leukocytes in surgical patients with gastric cancer. Nakagoe T, et al. **Gastroenterol Jpn** 1986 Apr;21(2):112–21

Superoxide production by polymorphonuclear leukocytes. A cytochemical approach. Briggs RT, et al. **Histochemistry** 1986;84(4–6):371–8

Effects of gold compounds on function of phagocytic cells. Comparative inhibition of activated polymorphonuclear leukocytes and monocytes from rheumatoid arthritis and control subjects. Davis P, et al. **Inflammation** 1986 Sep; 10(3):311–20

Bee venom melittin blocks neutrophil O2- production. Somerfield SD, et al. **Inflammation** 1986 Jun;10(2):175–82

Monoclonal antibodies to Fc receptors for IgG on human mononuclear phagocytes. Antibody characterization and induction of superoxide production in a monocyte cell line. Anderson CL, et al. **J Biol Chem** 1986 Sep 25; 261(27):12856–64

NADPH binding component of neutrophil superoxide-generating oxidase. Umei T, et al. **J Biol Chem** 1986 Apr 25;261(12):5229–32

Relationship of superoxide production to cytoplasmic free calcium in human monocytes. Scully SP, et al. **J Clin Invest** 1986 Apr;77(4):1349–56

Intracellular pH modulates the generation of superoxide radicals by human neutrophils. Simchowitz L. **J Clin Invest** 1985 Sep;76(3):1079–89

Superoxide anion is generated from cellular metabolites by solar radiation and its components. Cunningham ML, et al. **J Free Radic Biol Med** 1985;1(5–6):381–3

Reversible activation of the neutrophil superoxide generating system by hexachlorocyclohexane: correlation with effects on a subcellular superoxide-generating fraction. English D, et al. **J Immunol** 1986 Jul 1;137(1):283–90

Some nonsteroidal antiinflammatory drugs inhibit the generation of superoxide anions by activated polymorphs by blocking ligand-receptor interactions. Minta JO, et al. **J Rheumatol** 1985 Aug;12(4):751–7

Acute effect of smoking on superoxide production by pulmonary alveolar macrophages. Richter AM, et al. **Lung** 1986;164(4):233–42

Monoclonal antibodies to a particulate superoxide-forming system stimulate a respiratory burst in intact guinea pig neutrophils. Berton G, et al. **Proc Natl Acad Sci USA** 1986 Jun;83(11):4002–6

Effect of tranexamic acid on neutrophil superoxide anion generation. Lai L, et al. **Thromb Res** 1986 Jan 15; 41(2):269–74

[Superoxide production of polymorphonuclear leukocytes in malnourished patients with cancer of the digestive organs] Nakagoe T. **Nippon Geka Gakkai Zasshi** 1986 Apr; 87(4):375–86 (Eng. Abstr.) **(Jpn)**

BLOOD

Stimulation of superoxide release in neutrophils by 1-oleoyl-2-acetylglycerol incorporated into pH-sensitive liposomes. Tsuzaki BE, et al. **Biochem Biophys Res Commun** 1986 Apr 14;136(1):242–6

Purification and properties of an O2-.-generating oxidase from bovine polymorphonuclear neutrophils. Doussiere J, et al. **Biochemistry** 1985 Dec 3;24(25):7231–9

Effect of calcium ion on fatty acid-induced generation of superoxide in guinea pig neutrophils. Morimoto YM, et al. **Cell Struct Funct** 1986 Jun;11(2):143–55

Pharmacologic modulation by prostaglandin E1 of superoxide anion production by human polymorphonuclear leukocytes. Zimmerman JJ. **Crit Care Med** 1986 Sep; 14(9):761–7

Production and utilization of reactive oxidants by neutrophils. Babior BM. **Curr Top Cell Regul** 1985;27:327–34

Generation of superoxide anion and hydrogen peroxide by erythrocytes from individuals with sickle trait or normal haemoglobin. Schacter LP. **Eur J Clin Invest** 1986 Jun; 16(3):204–10

Effect of cetiedil on the superoxide-generating system of porcine neutrophils. Chiba T, et al. **J Biochem (Tokyo)** 1985 Aug;98(2):355–61

Stoichiometric conversion of oxygen to superoxide anion during the respiratory burst in neutrophils. Direct evidence by a new method for measurement of superoxide anion with diacetyldeuteroheme-substituted horseradish peroxidase. Makino R, et al. **J Biol Chem** 1986 Sep 5; 261(25):11444–7

Comparison of superoxide generation and luminol-dependent chemiluminescence with eosinophils and neutrophils from normal individuals. Shult PA, et al. **J Lab Clin Med** 1985 Dec;106(6):638–45

Reduced neutrophil superoxide anion release after prolonged infusions of lidocaine. Peck SL, et al. **J Pharmacol Exp Ther** 1985 Nov;235(2):418–22

Effect of the synthetic inhibitor tosylamino-phenylethyl-chloromethylketone on chemotactic peptide receptor activation and superoxide production in human neutrophils. Suter S, et al. **Pediatr Res** 1986 Sep;20(9):848–52

The production of DNA strand breaks in human leukocytes by superoxide anion may involve a metabolic process. Birnboim HC, et al. **Proc Natl Acad Sci USA** 1985 Oct; 82(20):6820–4

METABOLISM

Superoxide anion, superoxide dismutase and lipid peroxidation in the murine macrophage cell line C4M phi. Imre S, et al. **Acta Biol Hung** 1985;36(2):175–7

Inhibitory effects of antithyroid drugs on oxygen radical formation in human neutrophils. Imamura M, et al. **Acta Endocrinol (Copenh)** 1986 Jun;112(2):210–6

Effect of oxygen free radical products on rabbit iris vascular

permeability. Hull DS, et al. **Acta Ophthalmol (Copenh)** 1985 Oct;63(5):513–8

Hydroperoxide availability in the regulation of the arachidonate cascade. Lands WE, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:233–5

Inhibition of superoxide production and Ca2+ mobilization in human neutrophils by halothane, enflurane, and isoflurane. Nakagawara M, et al. **Anesthesiology** 1986 Jan; 64(1):4–12

Release of superoxide anion by alveolar macrophages in pulmonary sarcoidosis. Aerts C, et al. **Ann NY Acad Sci** 1986;465:193–200

Adenosine modulates the generation of superoxide anion by stimulated human neutrophils via interaction with a specific cell surface receptor. Cronstein BN, et al. **Ann NY Acad Sci** 1985;451:291–301

Purine catabolism as a source of superoxide in macrophages. Tritsch GL, et al. **Ann NY Acad Sci** 1985;451:279–90

Superoxide production by polymorphonuclear leucocytes in rheumatoid arthritis and osteoarthritis: in vivo inhibition by the antirheumatic drug piroxicam due to interference with the activation of the NADPH-oxidase. Biemond P, et al. **Ann Rheum Dis** 1986 Mar;45(3):249–55

Studies of the effect of D-penicillamine and sodium aurothiomalate therapy on superoxide anion production by monocytes from patients with rheumatoid arthritis: evidence for in vivo stimulation of monocytes. Hurst NP, et al. **Ann Rheum Dis** 1986 Jan;45(1):37–43

PMN superoxide radical production following a metabolic-endocrine simulation of trauma. Moon BC, et al. **Ann Surg** 1986 Mar;203(3):246–9

Influence of cholesterol feeding on the production of eicosanoids, tissue plasminogen activator and superoxide anion (O2–) by rabbit blood monocytes. Saito H, et al. **Atherosclerosis** 1986 Aug;61(2):141–8

Pathophysiology of superoxide radical as potential mediator of reperfusion injury in pig heart. Das DK, et al. **Basic Res Cardiol** 1986 Mar-Apr;81(2):155–66

Activation by gamma interferon of human macrophage capability to produce toxic oxygen molecules is accompanied by decreased Km of the superoxide-generating NADPH oxidase. Cassatella MA, et al. **Biochem Biophys Res Commun** 1985 Nov 15; 132(3):908–14

Mechanism of dismutation of superoxide produced during autoxidation of melanin pigments. Korytowski W, et al. **Biochem Biophys Res Commun** 1985 Sep 16;131(2):659–65

The mitochondrial site of superoxide formation. Nohl H, et al. **Biochem Biophys Res Commun** 1986 Jul 31;138(2):533–9

Partial dependency of 1-oleoyl-2-acetyl-glycerol-induced superoxide production by human neutrophils on calcium ions and cytochalasin B. Ozaki Y, et al. **Biochem Biophys Res Commun** 1986 Jan 29;134(2):690–7

Muramyl peptides and serotonin interact at specific binding sites on macrophages and enhance superoxide release. Silverman DH, et al. **Biochem Biophys Res Commun** 1985 Sep 30;131(3):1160–7

Formation of superoxide and hydroxyl radicals from 1-methyl-4-phenylpyridinium ion (MPP+): reductive activation by NADPH cytochrome P-450 reductase. Sinha BK, et al. **Biochem Biophys Res Commun** 1986 Mar 13; 135(2):583–8

Tumor necrosis factor provokes superoxide anion generation from neutrophils. Tsujimoto M, et al. **Biochem Biophys Res Commun** 1986 Jun 30;137(3):1094–100

Copper + zinc and manganese superoxide dismutases inhibit deoxyribose degradation by the superoxide-driven Fenton reaction at two different stages. Implications for the redox states of copper and manganese. Gutteridge JM, et al. **Biochem J** 1986 Feb 15;234(1):225–8

Redox activities of antitumor anthracyclines determined by microsomal oxygen consumption and assays for superoxide anion and hydroxyl radical generation. Peters JH, et al. **Biochem Pharmacol** 1986 Apr 15;35(8):1309–23

Inhibition of phorbol ester-stimulated chemiluminescence and superoxide production in human neutrophils by fructose 1,6-diphosphate. Schinetti ML, et al. **Biochem Pharmacol** 1986 May 15;35(10):1762–4

Role of superoxide in the N-oxidation of N-(2-methyl-1-phenyl-2-propyl)hydroxylamine by the rat liver cytochrome P-450 system. Duncan JD, et al. **Biochemistry** 1985 Jul 16;24(15):4155–61

Mechanism of oxidation of N-hydroxyphentermine by superoxide. Fukuto JM, et al. **Biochemistry** 1985 Jul 16; 24(15):4161–7

Detection of free radicals as a consequence of rat intestinal cellular drug metabolism. Mansbach CM 2d, et al. **Biochim Biophys Acta** 1986 Aug 29;888(1):1–9

Hexachlorocyclohexanes, potent stimuli of O2– production and calcium release in human polymorphonuclear leukocytes. Kuhns DB, et al. **Blood** 1986 Aug;68(2):535–40

Cinchocaine and amethocaine inhibit activation and activity of superoxide production in human neutrophils. Irita K, et al. **Br J Anaesth** 1986 Jun;58(6):639–45

Effect of the calcium ionophore A23187 on superoxide generation in phorbol ester stimulated human neutrophils. Strnad CF, et al. **Can J Physiol Pharmacol** 1985 Dec; 63(12):1543–6

Possible role of oxygen radicals in cell transformation by diethylstilbestrol and related compounds. Epe B, et al. **Carcinogenesis** 1986 Aug;7(8):1329–34

The lipid peroxidation model for halogenated hydrocarbon toxicity. Kinetics of peroxyl radical processes involving fatty acids and Fe(III) porphyrins. Brault D, et al. **Chem Biol Interact** 1985 Aug-Sep;54(3):289–97

Change in digitonin-stimulated superoxide anion production by guinea pig polymorphonuclear leukocytes in response to the presence of calcium ion. Okamura N, et al. **Chem Pharm Bull (Tokyo)** 1985 Jun;33(6):2560–3

George E. Brown memorial lecture. Oxygen radicals in cerebral vascular injury. Kontos HA. **Circ Res** 1985 Oct; 57(4):508–16 (51 ref.)

Impairment of phagocyte oxidative metabolism in hemodialyzed patients with iron overload. Flament J, et al. **Clin Nephrol** 1986 May;25(5):227–30

Monocytes and granulocytes in rheumatoid arthritis (RA): phagocytic activity and superoxide anion production. Mege JL, et al. **Clin Rheumatol** 1985 Dec;4(4):433–40

In vitro effect of different ubiquinones on the scavenging of biologically generated O2–. Littarru GP, et al. **Drugs Exp Clin Res** 1985;11(8):529–32

Production of oxygen-centered radicals by neutrophils and macrophages as studied by electron spin resonance (ESR). Bannister JV, et al. **Environ Health Perspect** 1985 Dec; 64:37–43

Biliverdin as an electron transfer catalyst for superoxide ion in aqueous medium. Galliani G, et al. **Experientia** 1985 Dec 15;41(12):1559–60

Enhancement of O2– generation and tumoricidal activity of murine macrophages by a monosaccharide precursor of Escherichia coli lipid A. Amano F, et al. **FEBS Lett** 1985 Nov 18;192(2):263–6

Biochemical properties of macrophage fractions and their relation to the mechanism of superoxide production. Diamond MS, et al. **FEBS Lett** 1986 Mar 3;197(1–2):21–6

Cell alkalinization is not necessary and increased sodium influx is not sufficient for stimulated superoxide production. Molski TF, et al. **FEBS Lett** 1986 Jul 28;203(2):267–72

Cell nuclei generate DNA-nicking superoxide radicals. Peskin AV, et al. **FEBS Lett** 1986 Jan 6;194(2):317–21

A chemiluminescent probe with a Cypridina luciferin analog, 2-methyl-6-phenyl-3,7-dihydroimidazo[1,2-a]pyrazin-3-one, specific and sensitive for O2– production in phagocytizing macrophages. Sugioka K, et al. **FEBS Lett** 1986 Mar 3;197(1–2):27–30

Abolishment of inhibitory effects of 3'-deazaadenosine on superoxide generation of guinea pig phagocytes by pre-exposure to phorbol myristate acetate. Yagawa K, et al. **FEBS Lett** 1986 Jun 9;201(2):287–90

Superoxide anion generating capacity of polymorphonuclear cells in patients with liver cirrhosis. Shiratori Y, et al. **Gastroenterol Jpn** 1986 Feb;21(1):30–4

Superoxide anion generating capacity and lysosomal enzyme activities of Kupffer cells in galactosamine induced hepatitis. Shiratori Y, et al. **Gastroenterol Jpn** 1986 Apr; 21(2):135–44

A possible mechanism of action of sulfasalazine and 5-aminosalicylic acid in inflammatory bowel diseases: interaction with oxygen free radicals [letter] Del Soldato P, et al. **Gastroenterology** 1985 Nov;89(5):1215–6

Kidney glomerular explants in serum-free media: demonstration of intracellular antioxidant enzymes and active oxygen metabolites. Steinert BW, et al. **In Vitro Cell Dev Biol** 1986 May;22(5):285–94

Mycobacterium leprae fails to stimulate phagocytic cell superoxide anion generation. Holzer TJ, et al. **Infect Immun** 1986 Feb;51(2):514–20

Ontogeny of macrophage function to release superoxide anion in conventional and germfree mice. Mitsuyama M, et al. **Infect Immun** 1986 Apr;52(1):236–9

Chemiluminescence and superoxide generation by leukocytes stimulated by polyelectrolyte-opsonized bacteria. Role of histones, polyarginine, polylysine, polyhistidine, cytochalasins, and inflammatory exudates as modulators of oxygen burst. Ginsburg I, et al. **Inflammation** 1985 Sep; 9(3):245–71 (45 ref.)

NADPH and "cocktails" containing polyarginine reactivate superoxide generation in leukocytes lysed by membrane-damaging agents. Ginsburg I, et al. **Inflammation** 1985 Dec;9(4):341–63

Neutrophils may directly synthesize both H2O2 and O2– since surface stimuli induce their release in stimulus-specific ratios. Hoffstein ST, et al. **Inflammation** 1985 Dec;9(4):425–37

Inhibition of neutrophil superoxide production by fanetizole. Styrt B, et al. **Inflammation** 1985 Sep;9(3):233–44

Slow exponential decay of rate of superoxide production in phorbol ester-activated human neutrophils. Wong K, et al. **Inflammation** 1985 Dec;9(4):407–17

Superoxide anion generation during airway anaphylaxis. Weiss EB, et al. **Int Arch Allergy Appl Immunol** 1986; 80(2):211–3

The effect of carbaryl on the arachidonic acid metabolism and superoxide production by mouse resident peritoneal macrophages challenged by zymosan. de Maroussem D, et al. **Int J Immunopharmacol** 1986;8(2):155–66

Hyperoxia alters effect of calcium on rat alveolar macrophage superoxide production. Forman HJ, et al. **J Appl Physiol** 1986 Apr;60(4):1300–5

Spontaneous induction of superoxide release and degranulation of neutrophils in isotonic potassium medium: the role of intracellular calcium. Matsumoto T, et al. **J Biochem (Tokyo)** 1986 Jun;99(6):1591–6

Activation of NADPH-dependent superoxide production in a cell-free system by sodium dodecyl sulfate. Bromberg Y, et al. **J Biol Chem** 1985 Nov 5;260(25):13539–45

Redox cycling of anthracyclines by cardiac mitochondria. II. Formation of superoxide anion, hydrogen peroxide, and hydroxyl radical. Doroshow JH, et al. **J Biol Chem** 1986 Mar 5;261(7):3068–74

Superoxide perturbation of the organization of vascular endothelial cell membranes. Freeman BA, et al. **J Biol Chem** 1986 May 15;261(14):6590–3

Retinoids stimulate the release of superoxide by neutrophils and change their morphology. Badwey JA, et al. **J Cell Physiol** 1986 May;127(2):223–8

Superoxide anion release by human endothelial cells: synergism between a phorbol ester and a calcium ionophore. Matsubara T, et al. **J Cell Physiol** 1986 May; 127(2):207–10

Superoxide-mediated modification of low density lipoprotein by arterial smooth muscle cells. Heinecke JW, et al. **J Clin Invest** 1986 Mar;77(3):757–61

Modulation of the kinetics of induced neutrophil superoxide generation by fluoride. Gabler WL, et al. **J Dent Res** 1986 Sep;65(9):1159–65

Molecular heterogeneity in chronic granulomatous disease: a human model of defective phagocyte superoxide production. Gabig TG, et al. **J Free Radic Biol Med** 1985; 1(1):65–9

Further studies of the mechanism of the enhancement of NADH oxidation by vanadate. Liochev S, et al. **J Free Radic Biol Med** 1985;1(4):287–92

Superoxide radical from xanthine oxidase acting upon lumazine. Nagano T, et al. **J Free Radic Biol Med** 1985; 1(1):39–42

Superoxide radical scavenging ability of centrophenoxine and its salt dependence in vitro. Semsei I, et al. **J Free Radic Biol Med** 1985;1(5–6):403–8

Relationship between membrane potential changes and superoxide-releasing capacity in resident and activated mouse peritoneal macrophages. Kitagawa S, et al. **J Immunol** 1985 Nov;135(5):3417–23

Deactivation of the respiratory burst in activated macrophages: evidence for alteration of signal transduction. Kitagawa S, et al. **J Immunol** 1986 Apr 1;136(7):2605–12

Redistribution of protein kinase C activity in human monocytes: correlation with activation of the respiratory burst. Myers MA, et al. **J Immunol** 1985 Nov;135(5):3411–6

Synthesis of anthraquinonyl glucosaminosides and studies on the influence of aglycone hydroxyl substitution on superoxide generation, DNA binding, and antimicrobial properties. Abramson HN, et al. **J Med Chem** 1986 Sep; 29(9):1709–14

Superoxide production in experimental brain injury. Kontos HA, et al. **J Neurosurg** 1986 May;64(5):803–7

Inhibition of superoxide generation by human polymorphonuclear leukocytes with chlorhexidine. Its possible relation to periodontal disease. Goultschin J, et al. **J Periodontol** 1986 Jul;57(7):422–5

Superoxide generation during cardiopulmonary bypass: is there a role for vitamin E? Cavarocchi NC, et al. **J Surg Res** 1986 Jun;40(6):519–27

Eugenol-mediated superoxide generation and cytotoxicity in guinea pig neutrophils. Suzuki Y, et al. **Jpn J Pharmacol** 1985 Nov;39(3):381–6

Mediation of IgA induced lung injury in the rat. Role of macrophages and reactive oxygen products. Johnson KJ, et al. **Lab Invest** 1986 May;54(5):499–506

Naloxone inhibits superoxide release from human neutrophils. Simpkins CO, et al. **Life Sci** 1985 Oct 14;37(15):1381–6

Bleomycin increases superoxide anion generation by pig peripheral alveolar macrophages. Conley NS, et al. **Mol Pharmacol** 1986 Jul;30(1):48–52

Inhibition of mitochondrial respiration and production of superoxide and hydrogen peroxide by flavonoids: a structure activity study. Hodnick WF, et al. **Prog Clin Biol Res** 1986;213:249–52

Superoxide generation by 1-nitropyrene in rat lung microsomes. Nachtman JP. **Res Commun Chem Pathol Pharmacol** 1986 Jan;51(1):73–80

Superoxide generation by synovial fluid neutrophils enhanced by immune complexes and suppressed by rheumatoid factor in synovial fluid. Todoroki T, et al. **Rheumatol Int** 1986; 6(3):133–7

Effect of diclofenac sodium, tolfenamic acid and indomethacin on the production of superoxide induced by N-formyl-methionyl-leucyl-phenylalanine in normal human polymorphonuclear leukocytes. Friman C, et al. **Scand J Rheumatol** 1986;15(1):41–6

Cytotoxicity of phenazine methosulfate in isolated rat hepatocytes is associated with superoxide anion production, thiol oxidation and alterations in intracellular calcium ion homeostasis. Maridonneau-Parini I, et al. **Toxicol Lett** 1986 May;31(2):175–81

The effect of some asymmetric triazine derivatives on the in vitro formation of free superoxide radicals. Zuivertz A, et al. **Virologie** 1986 Apr-Jun;37(2):131–5

Studies on the activity of Bendalina (bendazac L-lysine salt) as a scavenger of hydroxyl and superoxide radicals. Schmut O, et al. **Wien Klin Wochenschr** 1985 Nov 8;97(21):819–22

[The effects of neocarzinostatin on superoxide production by monocyte-derived macrophages] Ouchi E, et al. **Gan No Rinsho** 1986 Apr;32(4):387–91 (Eng. Abstr.) (Jpn)

[Superoxide anion (O2-) production by polymorphonuclear leukocytes in diabetics] Kumasaka Y, et al. **Kaseneshogaku Zasshi** 1983 Jun;57(6):504–11 (Eng. Abstr.) **(Jpn)**

[Inhibitory effect of nafamostat mesilate (FUT–175) on O2– production in rat polymorphonuclear leucocytes] Oda M, et al. **Nippon Yakurigaku Zasshi** 1986 May;87(5):521–6 (Eng. Abstr.) **(Jpn)**

[Superoxide productivity and bactericidal activity of neutrophils in patients with multiple myeloma] Ohno A, et al. **Rinsho Ketsueki** 1985 Jul;26(7):1113–9 (Eng. Abstr.) **(Jpn)**

[Role of the active forms of oxygen in the metabolism of neutrophils] Wandzilak M. **Pol Tyg Lek** 1985 Sep 30; 40(39):1113–6 (42 ref.) **(Pol)**

[Detection of superoxide radicals in intact heart mitochondria by spin trapping] Ledenev AN, et al. **Biofizika** 1985 Jul–Aug;30(4):708–9 (Eng. Abstr.) **(Rus)**

[Thiol–dependent generation of superoxide radical induced by menadione and vicasol] Gerasimov AM, et al. **Biokhimiia** 1985 Nov;50(11):1872–6 (Eng. Abstr.) **(Rus)**

[Generation of the superoxide radical and lipid peroxidation in skeletal muscles] Koshkin VV. **Biokhimiia** 1985 Sep; 50(9):1406–10 (Eng. Abstr.) **(Rus)**

[Effect of selenium on the system of superoxide anion radical formation and detoxication in hepatocarcinogenesis] Babenko GA, et al. **Ukr Biokhim Zh** 1985 Nov–Dec; 57(6):51–5 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Superoxide anions and hyperoxia inactivate endothelium–derived relaxing factor. Rubanyi GM, et al. **Am J Physiol** 1986 May;250(5 Pt 2):H822–7

Superoxide anion selectively attenuates catecholamine–induced contractile tension in isolated rabbit aorta. Wolin MS, et al. **Am J Physiol** 1985 Dec;249(6 Pt 2):H1127–33

Oxygen radicals as effectors of cartilage destruction. Direct degradative effect on matrix components and indirect action via activation of latent collagenase from polymorphonuclear leukocytes. Burkhardt H, et al. **Arthritis Rheum** 1986 Mar;29(3):379–87

Inactivation of 3 alpha–hydroxysteroid dehydrogenase by superoxide radicals. Modification of histidine and cysteine residues causes the conformational change. Kim HS, et al. **Biochem J** 1986 Jan 15;233(2):493–7

Contributions of superoxide, hydrogen peroxide, and transition metal ions to auto–oxidation of the faviam–inducing pyrimidine aglycone, divicine, and its reactions with haemoglobin. Winterbourn CC, et al. **Biochem Pharmacol** 1986 Jun 15;35(12):2009–15

Protection of mammalian cells by o–phenanthroline from lethal and DNA–damaging effects produced by active oxygen species. de Mello Filho AC, et al. **Biochim Biophys Acta** 1985 Oct 30;847(1):82–9

The protective effect of glucose on soluble rat lens hexokinase in the presence of oxidative stress. Kletzky DL, et al. **Curr Eye Res** 1986 Jun;5(6):433–9

Biphasic contraction of isolated guinea pig tracheal chains by superoxide radical. Nishida Y, et al. **Inflammation** 1985 Sep;9(3):333–7

Inhibitory effect of superoxide radicals on cardiac myofibrillar ATPase activity. Ventura C, et al. **Ital J Biochem** 1985 Jul–Aug;34(4):267–74

Resistance of leishmanial phosphatases to inactivation by oxygen metabolites. Saha AK, et al. **J Clin Microbiol** 1985 Sep;22(3):329–32

[Superoxide free radical and superoxide dismutase] Wang WJ. **Sheng Li Ko Hsueh Chin Chan** 1985 Jul;16(3):196–202 (35 ref.) **(Chi)**

[A colorimetric method for determination of guanase activity in serum based on superoxide anion with elimination of interference by endogenous xanthine] Nishikawa Y, et al. **Rinsho Byori** 1985 Dec;33(12):1413–7 **(Jpn)**

[Mechanism of the interaction of the anticancer antibiotic adriamycin (doxorubicin) with the anion radical O2.] Afanas'ev IB, et al. **Antibiot Med Biotekhnol** 1986 Apr; 31(4):261–4 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Biological effects of the superoxide radical. Fridovich I. **Arch Biochem Biophys** 1986 May 15;247(1):1–11 (130 ref.)

Colonic healing: a role for polymorphonuclear leucocytes and oxygen radical production. Shandall AA, et al. **Br J Surg** 1986 Mar;73(3):225–8

Evidence against a role for superoxide ions in the injury of nephrotoxic nephritis in rats. Webb DB, et al. **Clin Sci** 1985 Dec;69(6):687–9

Superoxide anion is involved in the breakdown of endothelium–derived vascular relaxing factor. Gryglewski RJ, et al. **Nature** 1986 Apr 3–9;320(6061):454–6

RADIATION EFFECTS

Photosensitized production of superoxide anion by monochromatic (290–405 nm) ultraviolet irradiation of NADH and NADPH coenzymes. Cunningham ML, et al. **Photochem Photobiol** 1985 Aug;42(2):125–8

TOXICITY

Superoxide radical potentiates invasive capacity of rat ascites hepatoma cells in vitro. Shinkai K, et al. **Cancer Lett** 1986 Jul;32(1):7–13

DNA strand breaks in human leukocytes induced by superoxide anion, hydrogen peroxide and tumor promoters are repaired slowly compared to breaks induced by ionizing radiation. Birnboim HC. **Carcinogenesis** 1986 Sep; 7(9):1511–7

Intravascular death of disseminated cancer cells mediated by superoxide anion. Glaves D. **Invasion Metastasis** 1986; 6(2):101–11

Mutagenic and cytotoxic effects of oxygen free radicals generated by methylviologen (paraquat) on Escherichia coli with different DNA–repair capacities. Yonei S, et al. **Mutat Res** 1986 Oct;163(1):15–22

Superoxide mediates the toxicity of paraquat for Chinese hamster ovary cells. Bagley AC, et al. **Proc Natl Acad Sci USA** 1986 May;83(10):3189–93

Microsomal mediated embryo toxicity due to superoxide radicals. Iannaccone PM. **Teratogenesis Carcinog Mutagen** 1986;6(3):237–43

SUPEROXIDE DISMUTASE

Superoxide dismutase mimetic activity of cytokinin–copper(II) complexes. Inoue H, et al. **Biochem Biophys Res Commun** 1986 May 29;137(1):372–7

Amino acid sequence of copper,zinc–superoxide dismutase from spinach leaves. Kitagawa Y, et al. **J Biochem (Tokyo)** 1986 May;99(5):1289–98

The structure of manganese superoxide dismutase from Thermus thermophilus HB8 at 2.4–A resolution. Stallings WC, et al. **J Biol Chem** 1985 Dec 25;260(30):16424–32

Crystallization of a Fe,Zn superoxide dismutase from the archaebacterium Thermoplasma acidophilium. Morris DC, et al. **J Mol Biol** 1985 Nov 5;186(1):213–4

Interpretation of electron density maps. Richardson JS, et al. **Methods Enzymol** 1985;115:189–206

ANALYSIS

A sensitive spectrophotometric method for the determination of superoxide dismutase activity in tissue extracts. Paoletti F, et al. **Anal Biochem** 1986 May 1;154(2):536–41

Superoxide dismutase and oxygen toxicity defenses in the genus Neisseria. Archibald FS, et al. **Infect Immun** 1986 Feb;51(2):631–41

Superoxide dismutase activity of Mycobacterium avium, M. intracellulare, and M. scrofulaceum. Mayer BK, et al. **Infect Immun** 1986 Sep;53(3):631–5

Superoxide dismutase content of breast carcinoma: lack of relationship with radiosensitivity [letter] Fourquet A, et al. **Int J Radiat Oncol Biol Phys** 1986 Jan;12(1):147

Superoxide dismutase and catalase of calf trabecular meshwork. Freedman SF, et al. **Invest Ophthalmol Vis Sci** 1985 Oct;26(10):1330–5

Superoxide dismutase in ocular structures. Rao NA, et al. **Invest Ophthalmol Vis Sci** 1985 Dec;26(12):1778–81

Antioxidant enzyme content of pulmonary artery endothelial cells: effects of subculture. Hart DH, et al. **J Free Radic Biol Med** 1985;1(5–6):429–35

A field test of a biochemical key to identify members of the Anopheles gambiae group of species in north–east Tanzania. Marchand RP, et al. **J Trop Med Hyg** 1985 Jun; 88(3):205–10

A simple method for analysis of superoxide dismutase in animal tissues by cellulose acetate electrophoresis. Kusumi K. **Kitasato Arch Exp Med** 1985 Sep;58(3):53–8

Intracellular localization of the copper–zinc and manganese superoxide dismutases in rat liver parenchymal cells. Slot JW, et al. **Lab Invest** 1986 Sep;55(3):363–71

Copper and zinc concentrations, and superoxide dismutase activities in malignant and nonmalignant tissues of female reproductive organs. Jendryczko A, et al. **Neoplasma** 1986; 33(2):239–44

[Studies on superoxide dismutase in the human skin (1). Content of superoxide dismutase determined by enzyme immunoassay] Sugiura K, et al. **Nippon Hifuka Gakkai Zasshi** 1985 Dec;95(14):1535–9 **(Jpn)**

[Studies on superoxide dismutase in the human skin (2). Content of superoxide dismutase and lipid peroxide in normal human skin] Sugiura K, et al. **Nippon Hifuka Gakkai Zasshi** 1985 Dec;95(14):1541–5 **(Jpn)**

[Studies on superoxide dismutase in human skin (4). Contents of superoxide dismutase and lipid peroxide in keloid, hypertrophic scar and scar] Sugiura K, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Mar;96(3):171–4 **(Jpn)**

[Studies on superoxide dismutase in human skin (3). Contents of superoxide dismutase and lipid peroxide in skin of patient with atopic dermatitis] Sugiura K, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Mar;96(3):165–70 **(Jpn)**

[Immunohistochemical localization of Cu, Zn–SOD in the liver with primary hepatocellular carcinoma] Ogino K. **Nippon Shokakibyo Gakkai Zasshi** 1986 Mar;83(3):698 **(Jpn)**

[Role of superoxide dismutase in cellular oxidative processes and method of its determination in biological materials] Chevari S, et al. **Lab Delo** 1985;(11):678–81 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Cilastatin does not alter superoxide dismutase activity. Proctor RA, et al. **Antimicrob Agents Chemother** 1985 Nov; 28(5):691–2

Myocardial H2O2 production in the unanaesthetized rat. Influence of fasting, myocardial load and inhibition of superoxide dismutase and monoamine oxidase. Kerckaert I, et al. **Basic Res Cardiol** 1986 Jan–Feb;81(1):83–91

Inhibition of erythrocyte superoxide dismutase by diethyldithiocarbamate also results in oxyhemoglobin–catalyzed glutathione depletion and methemoglobin production. Kelner MJ, et al. **J Biol Chem** 1986 Feb 5;261(4):1636–41

Percoll reversibly inhibits superoxide dismutase. del Río LA, et al. **Rev Esp Fisiol** 1985 Sep;41(3):351–5

BIOSYNTHESIS

Heterogeneity of copper–induced superoxide dismutase in rat liver lysosomes. Ljutakova SG, et al. **Acta Physiol Pharmacol Bulg** 1986;12(1):44–50

Degranulation inhibition. A potential mechanism for control of neutrophil superoxide production in sepsis. Solomkin JS, et al. **Arch Surg** 1986 Jan;121(1):77–80

Effect of the free radical–generating herbicide paraquat on the expression of the superoxide dismutase (Sod) genes in maize. Matters GL, et al. **Biochim Biophys Acta** 1986 Jun 3;882(1):29–38

Superoxide generation and reversal of acetylcholine–induced cerebral arteriolar dilation after acute hypertension. Wei EP, et al. **Circ Res** 1985 Nov;57(5):781–7

Regulation of the manganese–containing superoxide dismutase is independent of the inducible DNA repair system in Escherichia coli. Hancock LC, et al. **J Biol Chem** 1985 Oct 25;260(24):12954–6

Biosynthesis of superoxide dismutase in Saccharomyces cerevisiae: effects of paraquat and copper. Lee FJ, et al. **J Free Radic Biol Med** 1985;1(4):319–25

BLOOD

Red cell superoxide dismutase is increased in iron deficiency anemia. Jansson LT, et al. **Acta Haematol (Basel)** 1985; 74(4):218–21

The superoxide dismutase activity of myeloperoxidase; formation of compound III. Cuperus RA, et al. **Biochim Biophys Acta** 1986 May 12;871(1):78–84

An automated method for the determination of Cu,Zn–superoxide dismutase in plasma and erythrocytes using an ABA–200 discrete analyzer. L'Abbé MR, et al. **Clin Biochem** 1986 Jun;19(3):175–8

Activities of superoxide dismutase and glutathione peroxidase in schizophrenic and manic–depressive patients. Abdalla DS, et al. **Clin Chem** 1986 May;32(5):805–7

Oxygen toxicity related to exposure to lead. Monteiro HP, et al. **Clin Chem** 1985 Oct;31(10):1673–6

Plasma extracellular superoxide dismutase and erythrocyte Cu,Zn–containing superoxide dismutase in alcoholics treated with disulfiram. Ohman M, et al. **Clin Sci** 1986 Apr; 70(4):365–9

Human erythrocyte superoxide dismutase activity during deep diving. Paciorek JA. **Eur J Appl Physiol** 1985; 54(2):163–71

Serum lipid peroxide level and blood superoxide dismutase activity in workers with occupational exposure to lead. Ito Y, et al. **Int Arch Occup Environ Health** 1985; 56(2):119–27

Alteration of guinea pig erythrocyte superoxide dismutase activity by dietary antioxidants. Omaye ST, et al. **Int J Vitam Nutr Res** 1986;56(2):161–4

Purification of Cu–Zn–superoxide dismutase from human erythrocytes by immunoaffinity chromatography. Evidence for the presence of isoelectric heterogeneity. Arai K, et al. **J Immunol Methods** 1986 Jul 11;91(1):139–43

Calorimetric studies of oxyhemoglobin ligand dissociation. III. Evidence for a hemoglobin–catalase–superoxide dismutase integrated system in the oxygen depletion by dithionite. Forlani L, et al. **J Inorg Biochem** 1986 Apr; 26(4):289–94

Red cell superoxide dismutase activity as an index of human copper nutrition. Uauy R, et al. **J Nutr** 1985 Dec; 115(12):1650–5

Increased lipoperoxide value and glutathione peroxidase activity in blood plasma of type 2 (non–insulin–dependent) diabetic women. Kaji H, et al. **Klin Wochenschr** 1985 Aug 16;63(16):765–8

Changes in oxygen–metabolizing enzymes and lipid peroxidation in human erythrocytes as a function of age of donor. Jozwiak Z, et al. **Mech Ageing Dev** 1985 Oct 14;32(1):77–83

A simple method for evaluating platelet superoxide dismutase. Violi F, et al. **Scand J Clin Lab Invest** 1985 Dec;45(8):713–6

[Photochemoluminescence method for the determination of superoxide dismutase activity] Popov I, et al. **Z Med Lab Diagn** 1985;26(8):417–21 (Eng. Abstr.) **(Ger)**

[Determination of superoxide dismutase (EC 1.15.1.1.) in blood and other tissues] Schaper U, et al. **Z Med Lab Diagn** 1986;27(2):105–8 **(Ger)**

[Lipid peroxidation and the antioxidant system in patients with bronchial asthma and asthmatic bronchitis subjected to graded physical load] Amatuni VG, et al. **Ter Arkh** 1986; 58(4):23–5 (Eng. Abstr.) **(Rus)**

[Superoxide dismutase activity of human plasma; the effect of Cu2+-complex compounds] Dubinina EE, et al. **Ukr Biokhim Zh** 1986 May-Jun;58(3):31-6 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Superoxide dismutase isoenzymes in cerebrospinal fluid and plasma from patients with neuronal ceroid-lipofuscinoses. Marklund SL, et al. **Clin Sci** 1986 Jul;71(1):57-60

GENETICS

Genetic variation for superoxide dismutase level in Drosophila melanogaster. Graf JD, et al. **Biochem Genet** 1986 Apr;24(3-4):153-68

Genetic control of the mitochondrial form of superoxide dismutase in hexaploid wheat. Neuman PR, et al. **Biochem Genet** 1986 Jun;24(5-6):435-46

Superoxide dismutase, chromosome 21, and Alzheimer's disease [letter] Thienhaus OJ, et al. **Biol Psychiatry** 1986 Sep;21(11):1106-7

Isolation of superoxide dismutase mutants in Escherichia coli: is superoxide dismutase necessary for aerobic life? Carlioz A, et al. **EMBO J** 1986 Mar;5(3):623-30

Overproduction of human Cu/Zn-superoxide dismutase in transfected cells: extenuation of paraquat-mediated cytotoxicity and enhancement of lipid peroxidation. Elroy-Stein O, et al. **EMBO J** 1986 Mar;5(3):615-22

A linkage map of three anonymous human DNA fragments and SOD-1 on chromosome 21. Kittur SD, et al. **EMBO J** 1985 Sep;4(9):2257-60

Strain variation in bacteriocuprein superoxide dismutase from symbiotic Photobacterium leiognathi. Dunlap PV, et al. **J Bacteriol** 1986 Feb;165(2):393-8

Structure and gene expression of the E. coli Mn-superoxide dismutase gene. Takeda Y, et al. **Nucleic Acids Res** 1986 Jun 11;14(11):4577-89

Human Cu/Zn superoxide dismutase gene family: molecular structure and characterization of four Cu/Zn superoxide dismutase-related pseudogenes. Danciger E, et al. **Proc Natl Acad Sci USA** 1986 Jun;83(11):3619-23

A yeast mutant lacking mitochondrial manganese-superoxide dismutase is hypersensitive to oxygen. van Loon AP, et al. **Proc Natl Acad Sci USA** 1986 Jun;83(11):3820-4

IMMUNOLOGY

Purification and radioimmunoassays for superoxide dismutases in the mouse: tissue concentrations in different strains. Asayama K, et al. **Int J Biochem** 1985;17(11):1171-8

ISOLATION & PURIFICATION

Purification of human copper, zinc superoxide dismutase by copper chelate affinity chromatography. Weselake RJ, et al. **Anal Biochem** 1986 May 15;155(1):193-7

Purification and characterization of an iron-containing superoxide dismutase from a eucaryote, Ginkgo biloba. Duke MV, et al. **Arch Biochem Biophys** 1985 Nov 15; 243(1):305-14

Isolation and characterization of Cu,Zn superoxide dismutase of the shark Prionace glauca. Galtieri A, et al. **Comp Biochem Physiol [B]** 1986;83(3):555-9

Purification and radioimmunoassays for superoxide dismutases in the mouse: tissue concentrations in different strains. Asayama K, et al. **Int J Biochem** 1985;17(11):1171-8

Isolation and reconstitution of iron- and manganese-containing superoxide dismutases from Bacteroides thetaiotaomicron. Pennington CD, et al. **J Bacteriol** 1986 May;166(2):528-32

METABOLISM

Comparative antioxidant enzyme study in freshwater fishes. I. Distribution of superoxide dismutase, peroxide-decomposing enzymes and lipid peroxidation in herbivorous fishes. Radi AA, et al. **Acta Biol Hung** 1985; 36(2):169-74

Erythrocyte glutathione peroxidase and superoxide dismutase in Alzheimer's disease and other dementias. Sulkava R, et al. **Acta Neurol Scand** 1986 May;73(5):487-9

Immunoreactive SOD-1 in amniotic fluid, amniotic cells and fibroblasts from trisomy 21 fetus. Baeteman MA, et al. **Acta Paediatr Scand** 1985 Sep;74(5):697-700

Differences in the in vivo effects of cuprizone on superoxide dismutase activity in rat liver cytosol and mitochondrial intermembrane space. Ljutakova SG, et al. **Acta Physiol Pharmacol Bulg** 1985;11(2):56-61

Superoxide dismutases. Fridovich I. **Adv Enzymol** 1986; 58:61-97 (250 ref.)

Superoxide dismutase: tissue, cellular, and subcellular distribution in adult canine heart. Spanier AM, et al. **Am J Physiol** 1985 Nov;249(5 Pt 1):C379-84

Activities of antioxidant enzymes in muscle, liver and lung of chickens with inherited muscular dystrophy. Murphy ME, et al. **Biochem Biophys Res Commun** 1986 Jan 29; 134(2):550-6

Enhanced superoxide dismutase activity of pulsed cytochrome oxidase. Naqui A, et al. **Biochem Biophys Res Commun** 1986 Apr 14;136(1):433-7

Essentiality of the active-site arginine residue for the normal catalytic activity of Cu,Zn superoxide dismutase. Borders CL Jr, et al. **Biochem J** 1985 Sep 15;230(3):771-6

Superoxide dismutase activity in fibroblasts from patients with schizophrenia. Cohen MR, et al. **Biol Psychiatry** 1986 Mar;21(3):322-4

Superoxide dismutase in fetal rat cerebrum X-irradiated in utero. Suzuki H, et al. **Brain Dev** 1986;8(1):17-24

Oxygen defense systems in obligately thermophilic bacteria. Allgood GS, et al. **Can J Microbiol** 1985 Nov; 31(11):1006-10

Catalase, superoxide dismutase, and the production of O2-sensitive mutants of Bacillus coagulans. Vassilyadi M, et al. **Can J Microbiol** 1985 Nov;31(11):994-9

Scientific basis for the clinical use of superoxide dismutase. Petkau A. **Cancer Treat Rev** 1986 Mar;13(1):17-44 (313 ref.)

Relationships between cellular superoxide dismutase and susceptibility to chemically induced cancer in the rat mammary gland. Werts ED, et al. **Carcinogenesis** 1986 Jul; 7(7):1197-201

Effects of the free radical generator paraquat on differentiation, superoxide dismutase, glutathione and inorganic peroxides in microplasmodia of Physarum polycephalum. Allen RG, et al. **Cell Tissue Kinet** 1985 Nov; 18(6):623-30

Peroxidase catalysed oxygen activation by arylamine carcinogens and phenol. Subrahmanyam VV, et al. **Chem Biol Interact** 1985 Dec 31;56(2-3):185-99

Effects of experimentally altered glutathione levels on life span, metabolic rate, superoxide dismutase, catalase and inorganic peroxides in the adult housefly, Musca domestica. Allen RG, et al. **Comp Biochem Physiol [C]** 1985; 82(2):399-402

Effect of insulin and oral glutathione on glutathione levels and superoxide dismutase activities in organs of rats with streptozocin-induced diabetes. Loven D, et al. **Diabetes** 1986 May;35(5):503-7

Acetyl-homocysteine-thiolactone-induced increase of superoxide dismutase counteracts the effect of subdiabetogenic doses of streptozocin. Papaccio G, et al. **Diabetes** 1986 Apr;35(4):470-4

The protective role of copper-zinc superoxide dismutase against alloxan-induced diabetes: morphological aspects. Thaete LG, et al. **Diabetologia** 1985 Sep;28(9):677-82

Effect of elevated temperature on catalase and superoxide dismutase during maize development. Matters GL, et al. **Differentiation** 1986;30(3):190-6

Interaction of low doses of ionizing radiation and carbon tetrachloride on liver superoxide dismutase and glutathione peroxidase in mice. Manno M, et al. **Enzyme** 1985; 34(2):107-12

Coordinate expression of MnSOD and CuZnSOD in human fibroblasts. Crosti N, et al. **Exp Cell Res** 1985 Oct; 160(2):396-402

Catalase and superoxide dismutase activities in lenses of cataractous Nop-mice. Graw J, et al. **Exp Eye Res** 1985 Oct;41(4):577-9

Superoxide dismutase activity in experimental focal cerebral ischemia. Paschen W, et al. **Exp Neurol** 1985 Dec; 90(3):611-8

The effect of sulfhydryl compounds on the catalytic activity of Cu, Zn-superoxide dismutase purified from rat liver. Hoshino T, et al. **Experientia** 1985 Nov 15;41(11):1416-9

Tris(picolinato)manganese(II): a chemical model for the mechanism and function of mitochondrial superoxide dismutase. Yamaguchi KS, et al. **FEBS Lett** 1986 Mar 3; 197(1-2):249-52

Kidney glomerular explants in serum-free media: demonstration of intracellular antioxidant enzymes and active oxygen metabolites. Steinert BW, et al. **In Vitro Cell Dev Biol** 1986 May;22(5):285-94

The interrelationships between the lipid peroxidation, superoxide dismutase activity, development of gastric H+ secretion and gastric mucosal damage produced by intragastric administration of aspirin in pylorus-ligated rats. Czegledi B, et al. **Int J Tissue React** 1986;8(1):23-30

More on sudden death in racehorses [letter] Vasko KA. **J Am Vet Med Assoc** 1986 Jul 15;189(2):144

Effect of exercise training on antioxidant enzymes and cardiotoxicity of doxorubicin. Kanter MM, et al. **J Appl Physiol** 1985 Oct;59(4):1298-303

A Streptococcus mutans superoxide dismutase that is active with either manganese or iron as a cofactor. Martin ME, et al. **J Biol Chem** 1986 Jul 15;261(20):9361-7

Alterations in superoxide dismutase, glutathione, and peroxides in the plasmodial slime mold Physarum polycephalum during differentiation. Allen RG, et al. **J Cell Physiol** 1985 Dec;125(3):413-9

Coordinate expression of Mn-containing superoxide dismutase and Cu,Zn-containing superoxide dismutase in human fibroblasts with trisomy 21. Crosti N, et al. **J Cell Sci** 1985 Nov;79:95-103

Role of keto acids and reduced-oxygen-scavenging enzymes in the growth of Legionella species. Pine L, et al. **J Clin Microbiol** 1986 Jan;23(1):33-42

Catalytic activity of a copper(II)-oxidized glutathione complex on aqueous superoxide ion dismutation. Jouini M, et al. **J Inorg Biochem** 1986 Apr;26(4):269-80

Effect of vitamin E deficiency and selenium deficiency on insulin secretory reserve and free radical scavenging systems in islets: decrease of islet manganosuperoxide dismutase. Asayama K, et al. **J Lab Clin Med** 1986 May; 107(5):459-64

The immunocytochemical demonstration of copper-zinc superoxide dismutase in the brain. Thaete LG, et al. **J Neurocytol** 1986 Jun;15(3):337-43

Alteration of superoxide dismutase activity in tracheal epithelial cells by asbestos and inhibition of cytotoxicity by antioxidants. Mossman BT, et al. **Lab Invest** 1986 Feb; 54(2):204-12

A superoxide dismutase of metacestodes of Taenia taeniaeformis. Leid RW, et al. **Mol Biochem Parasitol** 1986 Mar;18(3):301-11

Superoxide dismutase and catalase in Toxoplasma gondii. Sibley LD, et al. **Mol Biochem Parasitol** 1986 Apr; 19(1):83-7

Day-night cycle of lipid peroxidation in rat cerebral cortex and their relationship to the glutathione cycle and superoxide dismutase activity. Díaz-Muñoz M, et al. **Neuroscience** 1985 Dec;16(4):859-63

Dexamethasone increases superoxide dismutase activity in serum-free rat fetal lung organ cultures. Randhawa P, et al. **Pediatr Res** 1986 Sep;20(9):895-8

Superoxide dismutase participates in the enzymatic formation of the tyrosine radical of ribonucleotide reductase from Escherichia coli. Eliasson R, et al. **Proc Natl Acad Sci USA** 1986 Apr;83(8):2373-7

Erythrocyte superoxide dismutase activity and other parameters of copper status in rats ingesting lead acetate. Mylroie AA, et al. **Toxicol Appl Pharmacol** 1986 Mar 15; 82(3):512-20

Isolated perfused lung histamine release, lipid peroxidation, and tissue superoxide dismutase from rats exposed to normobaric hyperoxia. Januszkiewicz AJ, et al. **Toxicology** 1986 Apr;39(1):37-46

Superoxide dismutase decrease in cardiac transplants. Kloc M, et al. **Transplantation** 1986 Jun;41(6):794-6

[Superoxide dismutase and free radical pathology] Michelson AM, et al. **C R Soc Biol (Paris)** 1985;179(4):429-39 (Eng. Abstr.) **(Fre)**

[Superoxide dismutase activity of human erythrocytes exposed to radiation in the workplace] Schweitzer K, et al. **Radiobiol Radiother (Berl)** 1985;26(5):629-32 (Eng. Abstr.) **(Ger)**

[Diurnal variations in superoxide dismutase (EC 1.15.1.1) activity and malondialdehyde concentration in the rat brain and striatum] Schaper U, et al. **Z Med Lab Diagn** 1986; 27(1):50-1 **(Ger)**

[Relationship between superoxide dismutase and catalase activities of gram-negative bacilli and the pathogenicity for mouse polymorphonuclear leukocytes] Miyazaki S, et al. **Nippon Saikingaku Zasshi** 1986 Mar;41(2):535-9 (Eng. Abstr.) **(Jpn)**

[Producibilities and properties of beta-lactamase and superoxide dismutase produced from Legionella species] Yamaguchi K, et al. **Rinsho Byori** 1985 Aug;33(8):892-7 (7 ref.) **(Jpn)**

[Enzyme study of the antiradical system in the development of cataract] Leus NF, et al. **Oftalmol Zh** 1985;7):391-4 (Eng. Abstr.) **(Rus)**

[Effect of insulin and glucagon on superoxide dismutase degradation in the liver of irradiated rats] Komov VP, et al. **Radiobiologiia** 1986 May-Jun;26(3):388-91 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Superoxide dismutase and catalase: a possible role in established pancreatitis. Guice KS, et al. **Am J Surg** 1986 Jan;151(1):163-9

Copper + zinc and manganese superoxide dismutases inhibit deoxyribose degradation by the superoxide-driven Fenton reaction at two different stages. Implications for the redox states of copper and manganese. Gutteridge JM, et al. **Biochem J** 1986 Feb 15;234(1):225-8

Effect of 6-hydroxydopamine on polymerization of tubulin. Protection by superoxide dismutase, catalase, or anaerobic conditions. Davison AJ, et al. **Biochem Pharmacol** 1986 May 1;35(9):1411-7

Effect of superoxide dismutase and catalase on myocardial energy metabolism during ischemia and reperfusion. Das DK, et al. **Clin Physiol Biochem** 1986;4(3):187-98

Evidence against a role for superoxide ions in the injury of nephrotoxic nephritis in rats. Webb DB, et al. **Clin Sci** 1985 Dec;69(6):687-9

Prevention of edema formation in the perfused lung preparation by oxygen radical scavengers. Risberg B, et al. **Eur Surg Res** 1985;17(4):230-6

UVB/PUVA-induced suppression of human natural killer activity is reduced by superoxide dismutase and/or interleukin 2 in vitro. Toda K, et al. **J Invest Dermatol** 1986 May;86(5):519-22

Photohemolysis of erythrocytes enriched with superoxide dismutase, catalase and glutathione peroxidase. Finazzi-Agró A, et al. **Photochem Photobiol** 1986 Apr; 43(4):409-12

Possible involvement of superoxide dismutase in the mutagenicity of quercetin in Salmonella typhimurium strain TA98. Ueno I, et al. **Prog Clin Biol Res** 1986;213:425-8

Influence of oxygen-derived free radical scavengers on ischemic livers. Atalla SL, et al. **Transplantation** 1985 Dec; 40(6):584-90

The role of oxygen free radicals in mediating the reperfusion injury of cold-preserved ischemic kidneys. Koyama I, et al. **Transplantation** 1985 Dec;40(6):590-5

PHYSIOLOGY

Superoxide dismutases: regularities and irregularities.

Fridovich I. **Harvey Lect** 1983–84;79:51–75 (162 ref.)
Physiological function of superoxide dismutase in glucose-limited chemostat cultures of Escherichia coli. Hassan HM, et al. **J Bacteriol** 1977 May;130(2):805–11
Irradiation-resistance conferred by superoxide dismutase: possible adaptive role of a natural polymorphism in Drosophila melanogaster. Peng TX, et al.
Proc Natl Acad Sci USA 1986 Feb;83(3):684–7
Neutropenia prevents decrease in strength of rat intestinal anastomosis: partial effect of oxygen free radical scavengers and allopurinol. Högström H, et al. **Surgery** 1986 Jun; 99(6):716–20
The expanding role of oxygen free radicals in clinical medicine. Katz MA. **West J Med** 1986 Apr;144(4):441–6 (70 ref.)
[Superoxide free radical and superoxide dismutase] Wang WJ. **Sheng Li Ke Hsueh Chin Chan** 1985 Jul;16(3):196–202 (35 ref.) **(Chi)**

THERAPEUTIC USE

Beneficial actions of superoxide dismutase and catalase in stunned myocardium of dogs. Gross GJ, et al.
Am J Physiol 1986 Mar;250(3 Pt 2):H372–7
Oxygen free radical induced damage in kidneys subjected to warm ischemia and reperfusion. Protective effect of superoxide dismutase. Baker GL, et al. **Ann Surg** 1985 Nov; 202(5):628–41
Prevention of reperfusion injury of the ischemic spinal cord: use of recombinant superoxide dismutase. Lim KH, et al. **Ann Thorac Surg** 1986 Sep;42(3):282–6
Effect of superoxide dismutase on glomerular nephritis. Adachi T, et al. **Biochem Pharmacol** 1986 Jan 15; 35(2):341–5
Superoxide dismutase plus catalase improve contractile function in the canine model of the "stunned myocardium". Przyklenk K, et al. **Circ Res** 1986 Jan;58(1):148–56
Failure of superoxide dismutase and catalase to alter size of infarction in conscious dogs after 3 hours of occlusion followed by reperfusion. Gallagher KP, et al.
Circulation 1986 May;73(5):1065–76
Effect of allopurinol and superoxide dismutase on survival rate in rats with sepsis. Warner BW, et al. **Curr Surg** 1986 Jul–Aug;43(4):292–3
Therapeutic benefits of oxygen radical scavenger treatments remain unproven. Greenwald RA.
J Free Radic Biol Med 1985;1(3):173–7
Modulation of lens-induced uveitis by superoxide dismutase. Rao NA, et al. **Ophthalmic Res** 1986;18(1):41–6
Improved survival of island flaps after prolonged ischemia by perfusion with superoxide dismutase. Sagi A, et al.
Plast Reconstr Surg 1986 Apr;77(4):639–44
Limiting heart attack injury [news] Kolata G. **Science** 1986 Jun 6;232(4755):1198
[Preliminary study of the therapeutic effect of superoxide dismutase in 7 cases of Behçet's disease] Emerit J, et al. **C R Acad Sci [III]** 1986;302(7):243–6 (Eng. Abstr.) **(Fre)**
[Evaluation of the efficacy of orgotein in a series of patients with hydrarthrosis of the knee] Terlizzi N, et al.
Minerva Med 1986 May 19;77(21):947–51 (Eng. Abstr.) **(Ita)**

SUPERSTITIONS

Superstitious therapy during illnesses of pre-school children. Kashwaha KP, et al. **Indian Pediatr** 1986 Mar;23(3):163–8
Superstitions in pediatric practice [editorial] Mathur GP, et al. **Indian Pediatr** 1986 Mar;23(3):159–61
Ritual buffoonery: a social preventive measure against childhood mortality in Senegal. Fassin D, et al. **Lancet** 1986 Jan 18;1(8473):142–3
Duchenne's muscular dystrophy: socioreligious belief delays diagnosis and genetic counselling. Lyn PC.
Singapore Med J 1986 Feb;27(1):68–71

SUPPOSITORIES

Studies on sustained-release dosage forms. IV. Pharmacokinetics after rectal administration of nifedipine suppositories in rabbits. Kuroda T, et al.
Kobe J Med Sci 1985 Jun;31(3):117–31
Rectal suppositories and packaging [letter] Doube A.
NZ Med J 1985 Oct 9;98(788):869
Biopharmaceutical investigation of rectal suppositories. Part 3: Influence of particle size on the bioavailability of drugs. Minkov E, et al. **Pharmazie** 1986 Jan;41(1):63–4
[Development and present status of methods for the determination of in vitro drug availability of suppositories] Bornschein M, et al. **Pharmazie** 1985 Jul;40(7):449–55 (84 ref.) **(Ger)**

ANALYSIS

[Applicability of densitometry procedures to the study of polymorphic transformation of triglyceride suppository size] Hüttenrauch R, et al. **Pharmazie** 1985 Aug;40(8):582–3 **(Ger)**

SUPPRESSION, GENETIC

tRNA, suppression, and the code. Murgola EJ.
Annu Rev Genet 1985;19:57–80 (114 ref.)
Mechanisms of spontaneous mutagenesis: clues from mutational specificity. Glickman BW, et al.
Basic Life Sci 1986;38:425–37
A novel suppressor tRNA from the dimorphic fungus Candida albicans. Tuite MF, et al.
Biochim Biophys Acta 1986 Feb 24;866(1):26–31
Shiverer jimpy double mutant mice. II. Morphological evidence supports reciprocal intergenic suppression. Billings-Gagliardi S, et al. **Brain Res** 1986 May 21; 374(1):54–62
Shiverer jimpy double mutant mice. I. Biochemical evidence for reciprocal intergenic suppression. Kerner AL, et al.
Brain Res 1986 May 21;374(1):45–53
Genetic suppression of tumor formation: a new frontier in cancer research. Sager R. **Cancer Res** 1986 Apr;46(4 Pt 1):1573–80 (89 ref.)
DNA methylation and CpG suppression. Cooper DN, et al.
Cell Differ 1985 Sep;17(3):199–205 (37 ref.)
Genetic suppression of putative guidepost cells: effect on establishment of nerve pathways in Drosophila wings. Schubiger M, et al. **Dev Biol** 1985 Apr;108(2):399–410
Cloning of opal suppressor tRNA genes of a filamentous fungus reveals two tRNASerUGA genes with unexpected structural differences. Debuchy R, et al. **EMBO J** 1985 Dec 16;4(13A):3553–6
Suppressor mutations identify box9 as a central nucleotide sequence in the highly ordered structure of intron RNA in yeast mitochondria. Holl J, et al. **EMBO J** 1985 Aug; 4(8):2081–5
A temperature-sensitive mutant in the gene rplX for ribosomal protein L24 and its suppression by spontaneous mutations in a 23S rRNA gene of Escherichia coli. Nishi K, et al. **EMBO J** 1986 Jun;5(6):1373–6
Classifying mutagens as to their specificity in causing the six possible transitions and transversions: a simple analysis using the Salmonella mutagenicity assay. Levin DE, et al.
Environ Mutagen 1986;8(1):9–28
The Escherichia coli strain JM105 contains partial supE activity. Reha-Krantz LJ. **Gene** 1985;38(1–3):275–6
Suppressors of the ras2 mutation of Saccharomyces cerevisiae. Cannon JF, et al. **Genetics** 1986 Jun; 113(2):247–64
Suppressors of SNF2 mutations restore invertase derepression and cause temperature-sensitive lethality in yeast. Neigeborn L, et al. **Genetics** 1986 Apr;112(4):741–53
C. elegans unc-105 mutations affect muscle and are suppressed by other mutations that affect muscle. Park EC, et al. **Genetics** 1986 Aug;113(4):853–67
Frameshift suppression in aminoacyl-tRNA limited cells. Weiss RB, et al. **Genetics** 1986 Apr;112(4):727–39
Suppression of the DnaA phenotype by mutations in the rpoB cistron of ribonucleic acid polymerase in Salmonella typhimurium and Escherichia coli. Bagdasarian MM, et al. **J Bacteriol** 1977 May;130(2):577–82
Influence of modification next to the anticodon in tRNA on codon context sensitivity of translational suppression and accuracy. Bouadloun F, et al. **J Bacteriol** 1986 Jun; 166(3):1022–7
Suppression of growth and protein secretion defects in Escherichia coli secA mutants by decreasing protein synthesis. Lee CA, et al. **J Bacteriol** 1986 Jun;166(3):878–83
Identification and genetic analysis of sbcC mutations in commonly used recBC sbcB strains of Escherichia coli K-12. Lloyd RG, et al. **J Bacteriol** 1985 Nov;164(2):836–44
DNA supercoiling and suppression of the leu-500 promoter mutation. Pruss GJ, et al. **J Bacteriol** 1985 Nov; 164(2):947–9
Suppressors of the secY24 mutation: identification and characterization of additional sec genes in Escherichia coli. Shiba K, et al. **J Bacteriol** 1986 Jun;166(3):849–56
Post-translational export of maltose-binding protein in Escherichia coli strains harboring malE signal sequence mutations and either prl+ or prl suppressor alleles. Ryan JP, et al. **J Biol Chem** 1985 Nov 25;260(27):14832–7
A single base change in the intron of a serine tRNA affects the rate of RNase P cleavage in vitro and suppressor activity in vivo in Saccharomyces cerevisiae. Willis I, et al. **J Biol Chem** 1986 May 5;261(13):5878–85
The translational efficiency of tRNA is a property of the anticodon arm. Yarus M, et al. **J Biol Chem** 1986 Aug 15;261(23):10496–505
Altered 40 S ribosomal subunits in omnipotent suppressors of yeast. Eustice DC, et al. **J Mol Biol** 1986 Mar 20; 188(2):207–14
Inactivation of nonsense suppressor transfer RNA genes in Schizosaccharomyces pombe. Intergenic conversion and hot spots of mutation. Heyer WD, et al. **J Mol Biol** 1986 Apr 5;188(3):343–53
Structure-function studies of the bacteriophage T4 DNA polymerase. Isolation of a novel suppressor mutant. Reha-Krantz LJ, et al. **J Mol Biol** 1985 Dec 5; 186(3):505–14
Molecular basis underlying phenotypic revertants of Moloney murine sarcoma virus MuSVts110. Cizdziel PE, et al. **J Virol** 1986 Jan;57(1):310–7
Spontaneous lambda OR mutations suppress inhibition of bacteriophage growth by nonimmune exclusion phenotype of defective lambda prophage. Hayes S, et al. **J Virol** 1986 Jun;58(3):835–42
Suppression of the Escherichia coli dnaA46 mutation by amplification of the groES and groEL genes. Fayet O, et al. **MGG** 1986 Mar;202(3):435–45
Relationship between pseudo-HPr and the PEP: fructose phosphotransferase system in Salmonella typhimurium and Escherichia coli. Geerse RH, et al. **MGG** 1986 Jun; 203(3):435–44
The fission yeast cell cycle control gene cdc2: isolation of a sequence suc1 that suppresses cdc2 mutant function. Hayles J, et al. **MGG** 1986 Feb;202(2):291–3
A DNA fragment containing the groE genes can suppress mutations in the Escherichia coli dnaA gene. Jenkins AJ, et al. **MGG** 1986 Mar;202(3):446–54
First identification of an amber nonsense mutation in Schizosaccharomyces pombe: major differences in the efficiency of homologous versus heterologous yeast suppressor tRNA genes. Krupp G, et al. **MGG** 1985; 201(1):82–7
Suppression of defective-sporulation phenotypes by mutations in the major sigma factor gene (rpoD) of Bacillus subtilis. Leung A, et al. **MGG** 1985;201(1):96–8
Suppressible and nonsuppressible +1 G-C base pair insertions induced by ICR-170 at the his4 locus in Saccharomyces cerevisiae. Mathison L, et al.
Mol Cell Biol 1985 Sep;5(9):2247–56
Suppressors of Saccharomyces cerevisiae his3 promoter mutations lacking the upstream element. Oettinger MA, et al. **Mol Cell Biol** 1985 Aug;5(8):1901–9
Lack of UV-induced respiration shutoff in a recF strain of Escherichia coli: temperature conditional suppression at 30 degrees C by the sfrA mutation. Swenson PA, et al.
Mutat Res 1986 May;160(3):171–8
Yeast omnipotent supressor SUP1 (SUP45): nucleotide sequence of the wildtype and a mutant gene. Breining P, et al. **Nucleic Acids Res** 1986 Jul 11;14(13):5187–97
Construction of two Escherichia coli amber suppressor genes: tRNAPheCUA and tRNACysCUA. Normanly J, et al.
Proc Natl Acad Sci USA 1986 Sep;83(17):6548–52
In(Lu): SYN-1 notation [letter] Marsh WL, et al.
Transfusion 1985 Sep–Oct;25(5):442–3
[Nuclear-mitochondrial interactions in yeasts: mitochondrial mutations compensating the respiration deficiency of sup1 and sup2 mutants] Mironova LN, et al. **Genetika** 1986 Feb; 22(2):200–8 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Suppression of a nonsense mutation in mammalian cells in vivo by the aminoglycoside antibiotics G-418 and paromomycin. Burke JF, et al. **Nucleic Acids Res** 1985 Sep 11;13(17):6265–72

SUPPRESSOR CELLS

Increased helper/suppressor T-lymphocyte ratio in the cerebrospinal fluid of a patient with neurosarcoidosis. Juozevicius JL, et al. **Ann Intern Med** 1986 Jun; 104(6):807–8
Preliminary characterization of two types of suppressor cells in the human uterus. Daya S, et al. **Fertil Steril** 1985 Dec; 44(6):778–85
Helper and suppressor T cell subsets in 138 asthmatic children undergoing different therapeutic trials. Lison M, et al.
Isr J Med Sci 1985 Aug;21(8):698–700
Carriage of oral Candida albicans associated with a high number of circulating suppressor T lymphocytes [letter] Melbye M, et al. **J Infect Dis** 1985 Dec;152(6):1356–7
Association of HTLV-III with Epstein-Barr virus infection and abnormalities of T lymphocytes in homosexual men. Rinaldo CR Jr, et al. **J Infect Dis** 1986 Oct;154(4):556–61
Suppressor T cell changes in active multiple sclerosis: analysis with three different monoclonal antibodies. Thompson AJ, et al. **J Neurol Neurosurg Psychiatry** 1985 Oct;48(10):1062–4
Long-term remission of pure red cell aplasia after plasma exchange and lymphocytapheresis. Berlin G, et al.
Scand J Haematol 1986 Jan;36(1):121–2
[Preliminary study of the determination of T gamma and T mu cells in the peripheral blood in oral and maxillofacial carcinomas] Lu CY.
Chung Hua Kou Chiang Ko Tsa Chih 1984 Dec;19(4):211–2 **(Chi)**
[Effect of treatment with psychotropic preparations on suppressor T-lymphocytes in juvenile continuously-progressing schizophrenia] Mikheeva TV, et al. **Zh Nevropatol Psikhiatr** 1985;85(10):1550–2 (Eng. Abstr.) **(Rus)**

ANALYSIS

Temporal changes of suppressor T lymphocytes and cytotoxic T lymphocytes in syngeneic murine malignant gliomas. Yamasaki T, et al. **J Neurooncol** 1986;3(4):353–62
Subacute sclerosing panencephalitis and progressive multiple sclerosis: T cell subsets in blood and CSF. Członkowska A, et al. **Neurology** 1986 Jul;36(7):992–3

CLASSIFICATION

A subpopulation of suppressor cells in Richter's syndrome with both monocytic and T-lymphocytic characteristics. Lahat N, et al. **Am J Hematol** 1985 Nov;20(3):293–6
Interaction of idiotype-specific T suppressor factor with the hapten-specific third-order T suppressor subset results in antigen-nonspecific suppression. Jayaraman S, et al.
Cell Immunol 1986 Aug;101(1):72–81
Alterations of functional subsets of T helper and T suppressor cell populations in acquired immunodeficiency syndrome

(AIDS) and chronic unexplained lymphadenopathy. Nicholson JK, et al. **J Clin Immunol** 1985 Jul;5(4):269–74

Isotype-specific immunoregulation. Evidence for a distinct subset of T contrasuppressor cells for IgA responses in murine Peyer's patches. Suzuki I, et al. **J Exp Med** 1986 Aug 1;164(2):501–16

Immunoregulatory activity of human bone marrow. Identification of suppressor cells possessing OKM1, SSEA-1, and HNK-1 antigens. Mortari F, et al. **J Immunol** 1986 Aug 15;137(4):1133–7

Nonspecific T suppressor factor (nsTsF) cascade in contact sensitivity: nsTsF-1 causes an Ly-1+2- I-A+ immune T cell to produce a second, genetically restricted, nsTsF-2. Zembala M, et al. **J Immunol** 1986 Aug 15;137(4):1138–43

Features of haemocyanin-induced suppression in vivo. Study of the fractionation of T lymphocytes involved in suppression over unsolubilized conjugated histamine columns. Huchet R. **Scand J Immunol** 1986 Jun;23(6):631–7

CYTOLOGY

Precursors of T-cell mitogen reactive cells and their suppressors in the mouse fetal liver. Rosenberg M, et al. **Adv Exp Med Biol** 1985;186:215–21

Suppressor T lymphocytes and cross-reactive sperm antigens in human semen. Witkin SS. **AIDS Res** 1983–84;1(5):339–45

T-cytotoxic/suppressor cell phenotypes in a group of asymptomatic homosexual men with and without exposure to HTLV-III/LAV. Nicholson JK, et al. **Clin Immunol Immunopathol** 1986 Sep;40(3):505–14

A subset of OKT4+ peripheral T cells can generate colonies containing mixed progeny with OKT4+ helper and OKT8+ suppressor cells. Farcet JP, et al. **Eur J Immunol** 1985 Oct;15(10):1067–73

Proliferative signals for suppressor T cells. Helper cells stimulated with pokeweed mitogen in vitro produce a suppressor cell growth factor. Fox EJ, et al. **J Clin Invest** 1986 Jul;78(1):214–20

The selective growth of murine newborn-derived suppressor cells and their probable mode of action. Jadus MR, et al. **J Immunol** 1986 Feb 1;136(3):783–92

DRUG EFFECTS

Effect of theophylline on the proportion and function of T-suppressor cells in asthmatic children. Lahat N, et al. **Allergy** 1985 Aug;40(6):453–7

Histamine2 antagonists in allergic rhinitis. Possible role in the control of cellular immune reaction. Testa B, et al. **Arch Otolaryngol Head Neck Surg** 1986 Apr;112(4):432–3

The regulatory role of adenosine activated T-lymphocyte subset on the immune response in humans. II. Adenosine induced expression of T8 antigen. Moroz C, et al. **Biomed Pharmacother** 1985;39(3):145–50

Effect of melphalan in vitro on induction of murine suppressor T cells by ConA. Ophir R, et al. **Cancer Immunol Immunother** 1985;20(3):209–13

Inhibition of suppressor cell function by cimetidine in a murine model. Jin ZW, et al. **Clin Immunol Immunopathol** 1986 Mar;38(3):350–6

In vitro induction of T-suppressor lymphocytes by THF, a thymic hormone, in psoriatic children. Shohat B, et al. **Dermatologica** 1985;171(4):226–32

Effect of testosterone on the kinetics of the development of suppressor cells in adjuvant arthritis. Tsukano M, et al. **Experientia** 1985 Oct 15;41(10):1337–8

Aclacinomycin-A inhibits the development and the expression of suppressor cell activity to contact sensitivity. Andrade-Mena CE, et al. **Immunopharmacology** 1985 Aug;10(1):19–25

Generation of suppressor cells in normal rats by treatment with spirogermanium, a novel heterocyclic anticancer drug. Badger AM, et al. **Immunopharmacology** 1985 Dec;10(3):201–7

Enhancement of helper and suppressor T cell activities by thymosin alpha 1 injection in old mice. Frasca D, et al. **Immunopharmacology** 1985 Aug;10(1):41–9

Tumour-induced suppression of delayed-type hypersensitivity in the mouse: independence of cyclophosphamide-sensitive suppressor cells. McIntosh LC, et al. **Int Arch Allergy Appl Immunol** 1985;78(4):380–5

Characterisation of cyclosporine-induced suppressor cells in murine delayed-type hypersensitivity responses. Miriklavos A, et al. **Int Arch Allergy Appl Immunol** 1986;79(2):215–9

Thymosin effects on immunoglobulin synthesis and suppressor T cell activity in normal subjects and patients with primary biliary cirrhosis. Kilby AE, et al. **Int J Immunopharmacol** 1986;8(1):119–24

Activation of suppressor cells by low molecular weight factors secreted by spleen cells of tumor-bearing mice: modulatory role of prostaglandins. Pillay DJ, et al. **Int J Immunopharmacol** 1986;8(2):227–35

Requirement for prostaglandin E1 (PGE1) for the secretion of suppressor cell inducer factors by spleen cells of tumor-bearing mice. Pillay DJ, et al. **Int J Immunopharmacol** 1986;8(2):221–6

Effect of BM 12 531 on in vitro induction of suppressor cells by concanavalin A in cancer patients and normal healthy donors. Somasundaram R, et al. **J Clin Lab Immunol** 1986 Jan;19(1):43–7

The effects of derivatives of histamine on natural suppressor cells. Khan MM, et al. **J Immunol** 1986 Jul 1;137(1):308–14

Identification and characterization of a suppressor T cell hybridoma specifically inducible by L-glutamic acid60-L-alanine30-L-tyrosine10 (GAT). Sorensen CM, et al. **J Immunol** 1986 Sep 1;137(5):1455–61

Effects of Wy-18,251 (3-p-chlorophenyl)thiazolo[3,2-a]benzimidazole- 2-acetic acid), levamisole and indomethacin on the generation of murine T suppressor cells in vitro. Rogers CM, et al. **J Immunopharmacol** 1985;7(4):479–88

The effects of long-term administration of recombinant alpha-2 interferon on lymphocyte subsets, proliferation, and suppressor cell function in multiple sclerosis. Hirsch RL, et al. **J Interferon Res** 1986 Apr;6(2):171–7

In vivo inhibition of concanavalin A-induced suppressor T cells by 5-fluorouracil. Kataoka T, et al. **Jpn J Cancer Res** 1985 Oct;76(10):995–1002

[Stimulation of the suppressor activity in relation to hematopoietic cells in the mouse thymus as affected by pertussis vaccine] Sanin AV, et al. **Biol Nauki** 1986;(4):20–3 (Eng. Abstr.) **(Rus)**

[Effect of cyclophosphane on the suppressor activity of spleen cells in mice with transplantable tumors] Kovbasiuk SA, et al. **Eksp Onkol** 1985;7(5):60–3 (Eng. Abstr.) **(Rus)**

[Effect of exogenous interleukin 2 on the functional activity of immunocompetent cells in mice with transplanted tumors] Semenova-Kobzar' RA, et al. **Eksp Onkol** 1986;8(2):39–42 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Development of suppressor lymphocytes during acute rejection of rat cardiac allografts and preservation of suppression by anti-IL-2-receptor monoclonal antibody. Schneider TM, et al. **Transplantation** 1986 Aug;42(2):191–6

IMMUNOLOGY

T-suppressor cell defects in euthyroid nonendemic goitre. van der Gaag RD, et al. **Acta Endocrinol (Copenh)** 1986 May;112(1):83–8

Suppressor T-cell activity and antibodies to alcohol-altered hepatocytes in patients with alcoholic cirrhosis. Echevarría Vierna S, et al. **Acta Gastroenterol Belg** 1985 Sep-Oct;48(5):487–92

A prospective, blind investigation of immunological reactions in chronic inflammatory bowel disease. Suppressor activity and immune capacity. Davidsen B, et al. **Acta Med Scand** 1986;219(1):113–24

H-2 restricted regulation by soluble autoantigens of the tick-borne encephalitis virus-induced autoreactive T-effector and T-suppressor lymphocytes in mice. Khozinsky VV, et al. **Acta Virol (Praha)** 1986 Jan;30(1):35–44

The role of memory suppressor T cells in self tolerance: induction in utero and in athymic mice. Basten A, et al. **Adv Exp Med Biol** 1985;186:511–20

The long-lasting state of specific nonresponsiveness induced by intravenous immunization with alloantigens is due to the generation of recirculating suppressor T cells. Bianchi AT, et al. **Adv Exp Med Biol** 1985;186:521–9

Detection of antibody-induced feedback suppression in spleen cell populations of primed and unprimed mice. Rothermel AL, et al. **Adv Exp Med Biol** 1985;186:721–7

The role of suppressor T lymphocytes in the maintenance of tolerance to alloantigens in bone marrow chimeras prepared with total lymphoid irradiation (TLI). Slavin S, et al. **Adv Exp Med Biol** 1985;186:503–9

Regulation of isotype expression in the immune response to type-2 thymus independent dextran antigens. Struckmann K, et al. **Adv Exp Med Biol** 1985;186:739–47

Specificity of lymphocytotoxic antibodies in AIDS and pre-AIDS patients. Wicher V, et al. **AIDS Res** 1983–84;1(2):139–48

Loss of suppressor T cell function and circulating immune complexes in alcoholic cirrhosis. Echevarría S, et al. **Allergol Immunopathol (Madr)** 1985 Sep-Oct;13(5):405–10

Autoreactive erythroid progenitor-T suppressor cells in the pure red cell aplasia associated with thymoma and panhypogammaglobulinemia. Mangan KF, et al. **Am J Hematol** 1986 Oct;23(2):167–73

Evaluation of the functional maturity of newborn T8+ suppressor cells and the resistance of newborn lymphocytes to suppression. Cheng H, et al. **Am J Reprod Immunol Microbiol** 1986 May;11(1):1–5

Human cord blood suppressor T lymphocytes. II. Characterization of inducer of suppressor cells. Cheng H, et al. **Am J Reprod Immunol Microbiol** 1986 Jun;11(2):39–43

Human cord blood suppressor T lymphocytes: I. Phenotype and target of the inducer of suppressor cell factor. Cheng H, et al. **Am J Reprod Immunol Microbiol** 1985 Nov;9(3):93–9

Human fetal/neonatal suppressor activity: relation between OKT phenotypes and sensitivity to prostaglandin E2 in maternal and neonatal lymphocytes. Papadogiannakis N, et al. **Am J Reprod Immunol Microbiol** 1985 Dec;9(4):105–10

Increased interleukin-1 production and monocyte suppressor cell activity associated with human tuberculosis. Fujiwara H, et al. **Am Rev Respir Dis** 1986 Jan;133(1):73–7

Interleukin induction of non-specific suppressor cells. Duclos H, et al. **Ann Inst Pasteur Immunol** 1986 Jan-Feb;137C(1):3–10

Suppressor T cells in myasthenia gravis and antibodies to acetylcholine receptor. Lisak RP, et al. **Ann Neurol** 1986 Jan;19(1):87–9

Lymphocyte phenotypes in the multiple sclerosis lesion—what do they mean? Zweiman B, et al. **Ann Neurol** 1986 Jun;19(6):588–9

Defective Epstein-Barr virus specific suppressor T cell function in progressive systemic sclerosis. Kahan A, et al. **Ann Rheum Dis** 1986 Jul;45(7):553–60

An overview of T-suppressor cell circuits. Asherson GL, et al. **Annu Rev Immunol** 1986;4:37–68 (104 ref.)

Suppressor cells and immunoregulation. Dorf ME, et al. **Annu Rev Immunol** 1984;2:127–57 (137 ref.)

Natural suppressor (NS) cells, neonatal tolerance, and total lymphoid irradiation: exploring obscure relationships. Strober S. **Annu Rev Immunol** 1984;2:219–37 (70 ref.)

Patients with erythema nodosum leprosum lack T-suppressor cells [letter] Wallach D, et al. **Arch Dermatol** 1985 Nov;121(11):1379

The disappearance of the foetal suppressor cell activity in newborn rats. Bubak-Satora M. **Arch Immunol Ther Exp (Warsz)** 1985;33(5):637–43

OKT4 epitope deficiency in significant proportions of the black population. A cause for underestimation of helper/suppressor lymphocyte ratios. Casey TT, et al. **Arch Pathol Lab Med** 1986 Aug;110(8):702–4

Immunoregulatory aspects of in vivo syngeneic mixed lymphocyte reactions. Battisto JR, et al. **Behring Inst Mitt** 1983 May;(72):17–27

Mechanisms of help and suppression in the AMLR: studies in normal and NZB mice. Smith JB, et al. **Behring Inst Mitt** 1983 May;(72):37–46

Inhibition of prostaglandin E2 restores defective lymphocyte proliferation and cell-mediated lympholysis in recipients after allogeneic marrow grafting. Klingemann HG, et al. **Blood** 1986 Jul;68(1):102–7

Differences in T cell subsets between men and women with idiopathic thrombocytopenic purpura. Mylvaganam R, et al. **Blood** 1985 Oct;66(4):967–72

In situ quantitation of lymph node helper, suppressor, and cytotoxic T cell subsets in AIDS. Wood GS, et al. **Blood** 1986 Mar;67(3):596–603

Induction of tolerance to a murine fibrosarcoma in two zones of dosage—the involvement of suppressor cells. McBride WH, et al. **Br J Cancer** 1986 Jun;53(6):707–11

Immunogenetics of suppression. Mitchison NA, et al. **Br J Clin Pract** 1986 Jun;40(6):225–9

Macrophage transmission of suppressor signal for suppression of delayed hypersensitivity and humoral response in JEV-infected mice. Mathur A, et al. **Br J Exp Pathol** 1986 Apr;67(2):171–9

Characterization of Japanese éncephalitis virus-induced suppressor T cells and their products for delayed type hypersensitivity. Rawat S, et al. **Br J Exp Pathol** 1986 Aug;67(4):571–9

Presence of I-region gene products on the cells and their products of the dengue virus-induced suppressor pathway. Shukla MI, et al. **Br J Exp Pathol** 1986 Aug;67(4):563–9

Studies on the resistance to tolerance induction against human IgG in DDD mice. V. Insignificant contribution of suppressor cells to the age-related change in tolerogen susceptibility. Hosono M, et al. **Bull Chest Dis Res Inst Kyoto Univ** 1981 Mar;14(1-2):33–43

The generation of interleukin-2-dependent suppressor T-cells from patients with systemic metastasis of gastric carcinoma and the phenotypic characterization of the cells defined by monoclonal antibodies. Koyama S, et al. **Cancer** 1985 Nov 15;56(10):2437–45

Suppressor cells in the peripheral blood and spleen of patients with Hodgkin's disease. Minassian AA. **Cancer** 1986 May 1;57(9):1756–61

Suppression of murine NK activity induced by Corynebacterium parvum: further characterization and abrogation of suppressor cells. Miliauskas VK, et al. **Cancer Immunol Immunother** 1986;21(1):51–7

Tumor-specific suppressor T-cells which inhibit the in vitro generation of cytolytic T-cells from immune and early tumor-bearing host spleens. Bear HD. **Cancer Res** 1986 Apr;46(4 Pt 1):1805–12

Splenic immune effector and suppressor cells in mice bearing a growing plasmacytoma. Chen YH, et al. **Cancer Res** 1985 Nov;45(11 Pt 1):5473–9

The development of inducer and effector immune suppressor cell function in Xenopus laevis, the South African clawed toad: the effect of metamorphosis. Kamali DD, et al. **Cell Differ** 1986 Jun;18(4):225–31

Induction of suppression by a murine nonspecific suppressor-inducer cell line (M1-A5). Almawi WY, et al. **Cell Immunol** 1985 Nov;96(1):199–209

Strain-dependence and cellular aspects of the acceleration of age-dependent shift in class-specific helper and suppressor activity in the thymus of MRL/Mp mice by the LPR gene. Clark DA, et al. **Cell Immunol** 1985 Dec;96(2):418–29

Induction of suppressor cells in vitro by Candida albicans. Cuff CF, et al. **Cell Immunol** 1986 Jun;100(1):47–56

Reestablishment of self tolerance by suppressor T-cells after active Heymann's nephritis. de Heer E, et al. **Cell Immunol** 1986 Mar;98(1):28–33

High level expression of the plasma cell antigen PC.1 on the T-cell subset expanding in MRL/MpJ-lpr/lpr mice: detection with a xenogeneic monoclonal antibody and

alloantisera. Dumont FJ, et al. **Cell Immunol** 1985 Dec; 96(2):327–37

Phenotypic and functional evaluation of suppressor cells in normal pregnancy and in chronic aborters. Fiddes TM, et al. **Cell Immunol** 1986 Feb;97(2):407–18

Features of KLH-induced suppression in vivo: characterization of two pathways of suppression. Huchet R. **Cell Immunol** 1986 Mar;98(1):188–99

Demonstration of suppressor cells in coxsackievirus group B, type 3 infected female Balb/c mice which prevent myocarditis. Job LP, et al. **Cell Immunol** 1986 Mar; 98(1):104–13

Reversal of Con A–induced suppression by a platelet–derived factor which binds to activated suppressor T cells. Katz IR, et al. **Cell Immunol** 1986 Jun;100(1):57–65

Regulation of the immune response. II. Concomitant idiotope–specific enhancement and suppression can result in a phenotypically normal response. Kelsoe G. **Cell Immunol** 1986 Mar;98(1):145–55

Activation in vivo of a major antisuppressor T–cell pathway immediately after immunization. II. T–cell requirements for its expression. Lee ST, et al. **Cell Immunol** 1985 Apr 15;92(1):64–73

A prostaglandin–mediated suppressive activity of cord as compared to maternal or other adult adherent cells in OKT3 antibody–induced proliferation. Papadogiannakis N, et al. **Cell Immunol** 1986 Aug;101(1):51–61

Activation in vivo of a major antisuppressor T–cell pathway immediately after immunization. I. Its regulation by I–A gene products. Paraskevas F, et al. **Cell Immunol** 1985 Apr 15;92(1):53–63

Activation in vivo of a major antisuppressor T–cell pathway immediately after immunization. III. T–cell requirements for its induction. Paraskevas F, et al. **Cell Immunol** 1985 Apr 15;92(1):74–84

Immunomodulation of human leukocytes by staphylococcal enterotoxin A: augmentation of natural killer cells and induction of suppressor cells. Platsoucas CD, et al. **Cell Immunol** 1986 Feb;97(2):371–85

Secretion of a suppressor cell inducing factor by an interleukin–3 dependent cell line with natural cytotoxic activity. Pope BL, et al. **Cell Immunol** 1986 Jun; 100(1):97–111

Suppression of the delayed–type hypersensitivity response to hen egg white lysozyme (HEL) by HEL peptides in a genetically high–responder mouse strain: evidence for requirement of the loop structure for induction of suppressor T cells. Sakato N, et al. **Cell Immunol** 1986 Jun; 100(1):66–78

Suppressor T–cell activity in MRL/Mp–lpr/lpr mice: differential effects on primary and memory antibody responses of MRL/Mp–lpr/lpr and MRL/Mp–+/+ spleen cells to thymus dependent and thymus independent antigens in vitro. Wilson DA. **Cell Immunol** 1985 Dec; 96(2):312–26

Activated T–cells with suppressor/cytotoxic phenotype in acute Toxoplasma gondii infection. De Waele M, et al. **Clin Exp Immunol** 1985 Nov;62(2):256–61

Effect of in vitro colchicine and oral theophylline on suppressor cell function of asthmatic patients. Ilfeld D, et al. **Clin Exp Immunol** 1985 Aug;61(2):360–7

The role of a human antigen specific T8+ cell subset in antigen presentation, helper function and contrasuppression. Lehner T, et al. **Clin Exp Immunol** 1985 Jul;61(1):203–13

The induction of human antinuclear antibodies by D–penicillamine: activation of inducer helper T cells in the absence of irradiation sensitive suppressor T cells. Mach PS, et al. **Clin Exp Immunol** 1986 Feb;63(2):408–13

BCG–induced suppressor T cells optimal conditions for in vitro induction and mode of action. Mustafa AS, et al. **Clin Exp Immunol** 1985 Dec;62(3):474–81

In vitro study of IgG production and concanavalin A induced suppressor cell function in acute and chronic hepatitis B virus infection. Nouri–Aria KT, et al. **Clin Exp Immunol** 1986 Apr;64(1):50–8

T suppressor cell function and number in children with liver disease. Nouri–Aria KT, et al. **Clin Exp Immunol** 1985 Aug; 61(2):283–9

A cell surface monoclonal antibody (H366) helps to discriminate human cytotoxic from suppressor T cells. Al–Sakkaf L, et al. **Clin Exp Immunol** 1985 Dec;62(3):594–9

AMLR and MLR stimulating activity of human T lymphocytes activated in vitro by soluble HLA–DR antigens. Vanoli M, et al. **Clin Exp Immunol** 1986 Jan; 63(1):163–70

Selective activation of functional suppressor cells by human seminal fluid. Witkin SS. **Clin Exp Immunol** 1986 May; 64(2):364–9

Suppression of IgE synthesis in vitro by allogeneic T cells from atopic and non–atopic subjects. Zaunders JJ, et al. **Clin Exp Immunol** 1985 Oct;62(1):193–9

Deficiency of contrasuppressor lymphocytes in alloxan–diabetic mice. Ptak W, et al. **Clin Immunol Immunopathol** 1986 Jan;38(1):13–21

Development of immunosuppressor cells in the mouse embryo. Globerson A. **Contrib Gynecol Obstet** 1985; 14:66–73

Expression of T–cell receptor by a mouse monoclonal antigen–specific suppressor T–cell line. Adorini L, et al. **Curr Top Microbiol Immunol** 1986;126:53–61

Analysis of T suppressor cell mediated tumor escape mechanisms. Haubeck HD, et al. **Curr Top Microbiol Immunol** 1986;126:225–30

Expression and function of class II I–Ak antigens on an antigen–specific T–suppressor cell clone. Heuer J, et al. **Curr Top Microbiol Immunol** 1986;126:131–8

Acquisition of suppressive and natural killer–like activities associated with loss of alloreactivity in human "helper" T–lymphocyte clones. Pawelec G, et al. **Curr Top Microbiol Immunol** 1986;126:121–30

Concanavalin A induced and spontaneous suppressor cell capacity of newborn and fetal lamb lymphocytes. Granberg C, et al. **Dev Comp Immunol** 1985 Fall;9(4):727–37

Cell–mediated immune reactions against B cells and defect of suppressor cell activity in type 1 (insulin–dependent) diabetes mellitus. Lohmann D, et al. **Diabetologia** 1986 Jul; 29(7):421–5

Antigen–specific suppression of human antibody responses by allogeneic T cells. II. Cell interactions involved in the generation of suppression. Callard RE, et al. **Eur J Immunol** 1986 Mar;16(3):252–6

Selective elimination through a cytolytic mechanism of bovine serum albumin–specific T helper lymphocytes by T suppressor cells with the same antigen specificity. Heuer J, et al. **Eur J Immunol** 1986 Apr;16(4):400–4

Evidence for a T suppressor cell–inducing antigenic determinant shared by ADJ–PC–5 plasmacytoma and syngeneic BALB/c spleen cells. Kloke O, et al. **Eur J Immunol** 1986 Jun;16(6):659–64

Only T alpha or T gamma cells can be triggered by IgG or IgA to suppress the production of the matching Ig class. Lê thi Bich–Thuy, et al. **Eur J Immunol** 1986 Feb; 16(2):156–61

The cellular basis for the induction of antigen–specific T8 suppressor cells. Morimoto C, et al. **Eur J Immunol** 1986 Feb;16(2):198–204

Selective reversal of H–2–linked genetic unresponsiveness to lysozymes. II. Alteration in the T helper/T suppressor balance, owing to gene(s) linked to Ir–2, leads to responsiveness in BALB.B. Sadegh–Nasseri S, et al. **Eur J Immunol** 1986 May;16(5):486–92

Antibody affinity maturation in selectively bred high and low–affinity mice. Steward MW, et al. **Eur J Immunol** 1986 Jan;16(1):59–63

Adsorption on B cell hybridomas removes suppressor cells from spleen cells of neonatally tolerized mice. Stockinger B, et al. **Eur J Immunol** 1986 Mar;16(3):301–5

Functional differences between B cell–depletion techniques in removing memory B cells. Relevance to anti–erythrocyte autoantibody–specific suppressor cells. Watt GJ, et al. **Eur J Immunol** 1985 Oct;15(10):998–1003

Gluten specific suppressor T cell dysfunction in coeliac disease. Corazza GR, et al. **Gut** 1986 Apr;27(4):392–8

T suppressor lymphocytes reverse ongoing acute allograft rejection. Kupiec–Weglinski JW, et al. **Hum Immunol** 1985 Nov;14(3):270–8

Regulation of immune responses against the syngeneic ADJ–PC–5 plasmacytoma in BALB/c mice. IV. Tumor–specific T suppressor cells, induced at early stages of tumorigenesis, act on the induction phase of the tumor–specific cytotoxic T cell response. Haubeck HD, et al. **Immunobiology** 1986 Jul;171(4–5):357–65

Inhibitory effects of interferon–gamma on the T suppressor cell circuit in contact sensitivity. Taborski U, et al. **Immunobiology** 1986 Jul;171(4–5):329–38

Mechanisms of genetic control of immune responses. II. Nonresponsiveness in BALB/c GT–specific cell–mediated immune responses does not correlate with the absence of functional T cells or the induction of suppressor T cells. Kennedy MK, et al. **Immunogenetics** 1986;23(5):292–301

Possible in vivo modulation of Leu 2a expression on suppressor T cells in active multiple sclerosis. Thompson AJ, et al. **Immunol Lett** 1985;10(3–4):189–91

Murine graft–versus–host disease across minor barriers: immunosuppressive aspects of natural suppressor cells. Holda JH, et al. **Immunol Rev** 1985 Dec;88:87–105 (34 ref.)

Antigen presentation by epithelial cells of the rat small intestine. II. Selective induction of suppressor T cells. Bland PW, et al. **Immunology** 1986 May;58(1):9–14

T–suppressor clones derived from murine AMLR. Bocchieri MH. **Immunology** 1985 Sep;56(1):93–102

Generation of B suppressor cells by phytohaemagglutinin. Farkas R, et al. **Immunology** 1986 Mar;57(3):395–8

A role for self–recognizing T cells in the regulation of antibody–forming and cell–mediated cytotoxic responses in the mouse. Gorczynski RM, et al. **Immunology** 1985 Nov; 56(3):467–80

Suppression of induced erythrocyte autoantibodies is dependent on Lyt 1 cells. Hutchings P, et al. **Immunology** 1985 Oct;56(2):269–73

Identification and isolation of OKT4+ suppressor cells with the monoclonal antibody WR16. Moore K, et al. **Immunology** 1986 Aug;58(4):659–64

Depletion of suppressor T cells by 2'-deoxyguanosine abrogates tolerance in mice fed ovalbumin and permits the induction of intestinal delayed–type hypersensitivity. Mowat AM. **Immunology** 1986 Jun;58(2):179–84

The role of antigen recognition and suppressor cells in mice with oral tolerance to ovalbumin. Mowat AM. **Immunology** 1985 Oct;56(2):253–60

Rapid loss of feedback suppressor T–cell activity after priming in vivo. Rothermel AL, et al. **Immunology** 1986 Apr;57(4):539–43

Gestational immunosuppression is mediated by specific Lyt 2+ T cells. Thomas IK, et al. **Immunology** 1986 Feb; 57(2):201–6

Suppressor lymphocytes induced by epicutaneous sensitization of UV–irradiated mice control multiple immunological pathways. Ullrich SE, et al. **Immunology** 1986 Jun;58(2):185–90

Immunosuppression associated with the development of chronic infections with Rickettsia tsutsugamushi: adherent suppressor cell activity and macrophage activation. Jerrells TR. **Infect Immun** 1985 Oct;50(1):175–82

Immunoadsorption of Cryptococcus–specific suppressor T–cell factors. Mosley RL, et al. **Infect Immun** 1986 Mar; 51(3):844–50

Visceral leishmaniasis in congenic mice of susceptible and resistant phenotypes: T–lymphocyte–mediated immunosuppression. Nickol AD, et al. **Infect Immun** 1985 Oct;50(1):169–74

Polyclonal B cell activators inhibit contact sensitivity to oxazolone in mice by potentiating the production of anti–hapten antibodies that induce T suppressor lymphocytes acting through the release of soluble factors. Campa M, et al. **Int Arch Allergy Appl Immunol** 1985; 78(4):391–5

Modulation of human T–cell suppressor activity by beta endorphin and glycyl–L–glutamine. McCain HW, et al. **Int J Immunopharmacol** 1986;8(4):443–6

Inhibition of suppressor cell generation by mouse serum in culture. Ryoyama K, et al. **Int J Immunopharmacol** 1986; 8(1):23–32

Interleukin–2–induced T–cell response to M. leprae in lepromatous leprosy: reversion of a suppressor mechanism or expansion of a small M. leprae–reactive T–cell pool? Shankar P, et al. **Int J Lepr Other Mycobact Dis** 1985 Dec; 53(4):649–52

Serum from patients with autoimmune diseases induces in vitro production of disease–associated antibodies by peripheral blood mononuclear cells from normal subjects. Kanazawa H, et al. **J Clin Endocrinol Metab** 1986 Sep; 63(3):683–8

L–Thyroxine–induced leukopenia in a patient with Hashimoto's disease: involvement of suppressor–cytotoxic T cells. Lahat N, et al. **J Clin Endocrinol Metab** 1985 Nov; 61(5):980–2

Suppressor and cytolytic cell function in multiple sclerosis. Effects of cyclosporine A and interleukin 2. Bania MB, et al. **J Clin Invest** 1986 Aug;78(2):582–6

Concanavalin A induced suppression of lymphocyte proliferation in chronic liver disease. A study of suppressor and responder populations in autologous and allogeneic systems. Arabi M., et al. **J Clin Lab Immunol** 1985 Dec; 18(4):161–5

T cell development in B cell–deficient mice. V. Stopping anti–mu treatment results in Igh–restricted expansion of the T suppressor cell repertoire concomitant with the development of normal immunoglobulin levels. Hayglass KT, et al. **J Exp Med** 1986 Jul 1;164(1):36–49

Specific suppression of allograft rejection by trinitrophenyl (TNP)–induced suppressor cells in recipients treated with TNP–haptenated donor alloantigens. Hutchinson IV, et al. **J Exp Med** 1985 Nov 1;162(5):1409–20

Tolerance to parenchymal self. Regulatory role of major histocompatibility complex–restricted, OX8+ suppressor T cells specific for autologous renal tubular antigen in experimental interstitial nephritis. Kelly CJ, et al. **J Exp Med** 1985 Dec 1;162(6):1892–903

Generation of antigen receptor–specific suppressor T cell clones in man. Mohagheghpour N, et al. **J Exp Med** 1986 Sep 1;164(3):950–5

HLA A1–B8–DR3 and suppressor cell function in first–degree relatives of patients with autoimmune chronic active hepatitis. Nouri–Aria KT, et al. **J Hepatol** 1985; 1(3):235–41

Induction of suppression by a murine nonspecific suppressor–inducer cell line (M1–A5). II. The role of prostaglandins. Almawi WY, et al. **J Immunol** 1986 Mar 15;136(6):1982–7

Activated suppressor cell dysfunction in progressive multiple sclerosis. Antel JP, et al. **J Immunol** 1986 Jul 1; 137(1):137–41

Alloantigen–specific suppressor T cells are not inhibited by cyclosporin A, but do require IL 2 for activation. Bucy RP. **J Immunol** 1986 Aug 1;137(3):809–13

Active suppression of host–vs–graft reaction in pregnant mice. VII. Spontaneous abortion of allogeneic CBA/J x DBA/2 fetuses in the uterus of CBA/J mice correlates with deficient non–T suppressor cell activity. Clark DA, et al. **J Immunol** 1986 Mar 1;136(5):1668–75

Selective immunomodulation by the antineoplastic agent mitoxantrone. II. Nonspecific adherent suppressor cells derived from mitoxantrone–treated mice. Fidler JM, et al. **J Immunol** 1986 Apr 15;136(8):2747–54

Antigen–induced T suppressor cells regulate the autoreactive T helper–B cell interaction. Finnegan A, et al. **J Immunol** 1986 Feb 1;136(3):793–7

Mechanism of action of a T suppressor factor (TsF) in contact sensitivity: the T cell target for TsF activity in adoptive transfer of immunity is not effector cell. Flood P, et al. **J Immunol** 1986 Sep 15;137(6):1829–35

Ocular immune responses. II. Priming of A/J mice in the vitreous induces either enhancement of or suppression of subsequent hapten–specific DTH responses. Foster CS, et

al. **J Immunol** 1986 Apr 15;136(8):2787–91

Orally induced tolerance generates an efferently acting suppressor T cell and an acceptor T cell that together down-regulate contact sensitivity. Gautam SC, et al. **J Immunol** 1985 Nov;135(5):2975–83

Differential sensitivity of T suppressor cell expression to inhibition by histamine type 2 receptor antagonists. Griswold DE, et al. **J Immunol** 1986 Sep 15;137(6):1811–5

Induction of suppressor cells from peripheral blood T cells by 15-hydroperoxyeicosatetraenoic acid (15-HPETE). Gualde N, et al. **J Immunol** 1985 Nov;135(5):3424–9

Nonspecific suppressor T cells cause decreased mixed lymphocyte culture reactivity in bone marrow transplant patients. Harada M, et al. **J Immunol** 1986 Jul 15; 137(2):428–32

Isolation and characterization of in vitro and in vivo functions of a tumor-specific T suppressor cell clone from a BALB/c mouse bearing the syngeneic ADJ-PC-5 plasmacytoma. Haubeck HD, et al. **J Immunol** 1985 Dec;135(6):4297–302

Anti-idiotypic B cells are required for the induction of suppressor T cells. Hausman PB, et al. **J Immunol** 1986 Jan;136(1):48–53

Establishment of an interleukin 2-dependent T cell line derived from a patient with severe aplastic anemia, which inhibits in vitro hematopoiesis. Herrmann F, et al. **J Immunol** 1986 Mar 1;136(5):1629–34

Regulation of primary cytotoxic T lymphocyte responses generated during mixed leukocyte culture with H-2d identical Qa-1-disparate cells. Huston DP, et al. **J Immunol** 1986 Sep 15;137(6):1776–81

Genetics of insulin-specific helper and suppressor T cells in nonresponder mice. Jensen PE, et al. **J Immunol** 1985 Nov;135(5):2990–5

Immunoregulation in experimental interstitial nephritis: immunization with renal tubular antigen in incomplete Freund's adjuvant induces major histocompatibility complex-restricted, OX8+ suppressor T cells which are antigen-specific and inhibit the expression of disease. Kelly CJ, et al. **J Immunol** 1986 Feb 1;136(3):903–7

Mechanisms of suppressed cell-mediated immunity and impaired antigen-induced interleukin 2 production in granuloma-bearing mice. Kobayashi K, et al. **J Immunol** 1985 Nov;135(5):2996–3003

An autoreactive T cell clone that can be activated to provide both helper and suppressor function. Kotani H, et al. **J Immunol** 1986 Mar 15;136(6):1951–9

Regulation of immune responses by T cell subsets. Role of helper and suppressor T cells in the development and expression of MHC-restricted antibody responses to L-glutamic acid60-L-alanine30-L-tyrosine10 (GAT) by (responder X responder)F1 spleen cells. Lake JP, et al. **J Immunol** 1986 Feb 15;136(4):1201–9

Murine interstitial nephritis. V. The auto-induction of antigen-specific Lyt-2+ suppressor T cells diminishes the expression of interstitial nephritis in mice with antitubular basement membrane disease. Mann R, et al. **J Immunol** 1986 Feb 1;136(3):908–12

Regulation of granulomatous inflammation in murine schistosomiasis. III. Recruitment of antigen-specific I-J+ T suppressor cells of the granulomatous response by I-J+ soluble suppressor factor. Mathew RC, et al. **J Immunol** 1986 Feb 1;136(3):1093–9

Functional properties of tumor-infiltrating and blood lymphocytes in patients with solid tumors: effects of tumor cells and their supernatants on proliferative responses of lymphocytes. Miescher S, et al. **J Immunol** 1986 Mar 1; 136(5):1899–907

Suppressor T cell circuits in contact sensitivity. III. A monoclonal T cell hybrid-derived suppressor factor specifically suppresses local DTH transfer by a DNP-specific T cell clone. Miller SD, et al. **J Immunol** 1986 Mar 1;136(5):1571–8

Regulation of cellular immune response against autologous human melanoma. I. Evidence for cell-mediated suppression of in vitro cytotoxic immune response. Mukherji B, et al. **J Immunol** 1986 Mar 1;136(5):1888–92

Suppression of antigen-specific interleukin 2 production in the MRL/MpJ-lpr/lpr mouse. Naides SJ. **J Immunol** 1986 Jun 1;136(11):4113–21

The differential ability of splenic adherent cells from B6.lpr mice to induce suppressor T cells. Noma T, et al. **J Immunol** 1986 Jun 1;136(11):3987–93

Modulation of suppressor T cell induction with gamma-interferon. Noma T, et al. **J Immunol** 1985 Dec; 135(6):3655–60

Suppressor T cells, distinct from "veto cells," are induced by alloantigen priming and mediate transferable suppression of cytotoxic T lymphocyte responses in vivo. Owens T, et al. **J Immunol** 1985 Nov;135(5):2984–9

Acquisition of suppressive activity and natural killer-like cytotoxicity by human alloproliferative "helper" T cell clones. Pawelec G, et al. **J Immunol** 1986 Jan;136(2):402–11

In vitro T cell-mediated killing of Pseudomonas aeruginosa. IV. Nonresponsiveness in polysaccharide-immunized BALB/c mice is attributable to vinblastine-sensitive suppressor T cells. Powderly WG, et al. **J Immunol** 1986 Sep 15;137(6):2025–30

In vitro T cell-mediated killing of Pseudomonas aeruginosa. III. The role of suppressor T cells in nonresponder mice. Powderly WG, et al. **J Immunol** 1986 Jan;136(1):299–303

Isotype-like suppression of T cell-mediated immunity in vivo. II. Suppression of the early component of contact sensitivity by a Ly-2+ T cell-derived suppressor factor that binds to contact sensitivity-initiating, antigen-specific, Ly-1+ T cell-derived factors that are of different antigen specificities. Ptak W, et al. **J Immunol** 1986 Mar 1; 136(5):1564–70

Isotype-like suppression of T cell-mediated immunity in vivo. I. Delayed-type hypersensitivity specificity of T cell suppression induced by antigen-binding T cell factors that initiate contact sensitivity. Ptak W, et al. **J Immunol** 1986 Mar 1;136(5):1554–63

Role of suppressor T cells in regulating passively induced experimental allergic encephalomyelitis [letter] Sedgewick JD. **J Immunol** 1986 Aug 15;137(4):1407

Anti-idiotypic treatment of BALB/c mice induces CRIa-bearing suppressor cells with altered Igh-restricted function. Slaoui M, et al. **J Immunol** 1986 Mar 15; 136(6):1968–73

Reversal of virus-induced immune suppression. Strayer DS, et al. **J Immunol** 1986 Apr 1;136(7):2649–53

HLA-DR restriction in suppression of hematopoiesis by T cells from allogeneic bone marrow transplants. Vinci G, et al. **J Immunol** 1986 May 1;136(9):3225–30

Deficiency of phenotypic cytotoxic-suppressor T lymphocytes in the BB/W rat. Woda BA, et al. **J Immunol** 1986 Feb 1;136(3):856–9

Comparison of T8+ cell-mediated suppressor and cytotoxic functions in multiple sclerosis. Antel JP, et al. **J Neuroimmunol** 1986 Sep;12(3):215–24

Derivation of ganglioside-specific T cell lines of suppressor or helper phenotype from cerebrospinal fluid of multiple sclerosis patients. Bellamy A, et al. **J Neuroimmunol** 1986 Aug;12(2):107–20

In vitro induction of suppressor cells by plasma of rats with Trypanosoma brucei rhodesiense infection. Hayes MM, et al. **J Parasitol** 1986 Feb;72(1):148–54

Immunoregulatory functional abnormalities in children affected by HBsAg-positive chronic active hepatitis: role of prostaglandins in T-mediated suppression. Pignata C, et al. **J Pediatr Gastroenterol Nutr** 1986 Jul-Aug; 5(4):537–41

Familial alterations of immunoregulation in systemic lupus erythematosus. Spencer-Green G, et al. **J Rheumatol** 1985 Jun;12(3):498–503

Suppression of T-cell response in autologous mixed lymphocyte-tumor culture by large granular lymphocytes. Uchida A, et al. **JNCI** 1986 Mar;76(3):389–98

Suppression and abrogation of suppression of induced nonspecific cytotoxicity against tumor cells. Egawa K, et al. **Jpn J Exp Med** 1985 Aug;55(4):143–53

Suppression of natural cytotoxicity in tumor-bearing mice and inhibition of the suppression by D-mannose. Tanino T, et al. **Jpn J Exp Med** 1985 Aug;55(4):155–60

Cell-mediated immunity and suppressor-T-cell defects to liver-derived antigens in families of patients with autoimmune chronic active hepatitis. O'Brien CJ, et al. **Lancet** 1986 Feb 15;1(8477):350–3

Immunopathogenesis of acute lepromatous uveitis: a case report. Murray PI, et al. **Lepr Rev** 1986 Jun;57(2):163–8

Proliferative and cytotoxic immune functions in aging mice. III. Exogenous interleukin-2 rich supernatant only partially restores alloreactivity in vitro. Gottesman SR, et al. **Mech Ageing Dev** 1985 Jul-Aug;31(2):103–13

Suppression of murine natural killer cell activity by adherent cells from aging mice. Irimajiri N, et al. **Mech Ageing Dev** 1985 Jul-Aug;31(2):155–62

Low-dose immunosuppression may unmask type I diabetes mellitus by specific inactivation of suppressor cells. Mandel TE, et al. **Med Hypotheses** 1986 Apr;19(4):325–31 (52 ref.)

GAT antigen-specific suppressor factors. Krupen K, et al. **Methods Enzymol** 1985;116:325–40

Antigen-specific suppressor T cells and their soluble products. Taniguchi M, et al. **Methods Enzymol** 1985; 116:311–25

Induction of suppressor cells, interleukin-2 production and mitogenesis with monomeric concanavalin A: different actions of tetrameric and monomeric concanavalin A. Griswold DE, et al. **Mol Immunol** 1985 Dec;22(12):1311–6

A unique polypeptide on avian antigen-specific suppressor T-cell radioiodinated in situ by antigen-lactoperoxidase conjugates. Lee MS, et al. **Mol Immunol** 1986 Feb; 23(2):97–109

Genetically restricted suppressor T-cell clones derived from lepromatous leprosy lesions. Modlin RL, et al. **Nature** 1986 Jul 31-Aug 6;322(6078):459–61

Cloned suppressor T cells from a lepromatous leprosy patient suppress Mycobacterium leprae reactive helper T cells. Ottenhoff TH, et al. **Nature** 1986 Jul 31-Aug 6; 322(6078):462–4

Immunology. Contrasuppressor cells and oral tolerance [letter] Taylor RB. **Nature** 1986 Apr 3-9;320(6061):398

Immunological analysis of minimal change nephrotic syndrome and lupus nephritis: sensitivity of suppressor cells to indomethacin. Osaki K. **Nippon Jinzo Gakkai Shi** 1986 Mar;28(3):255–62

In vitro test for detecting auto-suppressive T lymphocytes in bone marrow from patients with aplastic anemia. Hanada T, et al. **Nippon Ketsueki Gakkai Zasshi** 1985 Jul; 48(4):904–9

Suppressive lymphocytes against CFU-C in relation to therapeutic response to glucocorticoid in patients with aplastic anemia. Takahashi T, et al. **Nippon Ketsueki Gakkai Zasshi** 1985 Jul;48(4):910–20

Therapy with monoclonal antibody to interleukin 2 receptor spares suppressor T cells and prevents or reverses acute allograft rejection in rats. Kupiec-Weglinski JW, et al. **Proc Natl Acad Sci USA** 1986 Apr;83(8):2624–7

H-2-incompatible bone marrow chimeras produce donor-H-2-restricted Ly-2 suppressor T-cell factor(s). Noguchi M, et al. **Proc Natl Acad Sci USA** 1985 Oct; 82(20):7063–7

Use of anti-idiotypic antibodies to identify a receptor for the T-cell I-J determinant. Zupko K, et al. **Proc Natl Acad Sci USA** 1985 Nov;82(21):7399–403

Comparison of hapten-specific cytotoxic and suppressor T cells by a split culture approach. Andrighetto G, et al. **Scand J Immunol** 1986 Jul;24(1):1–10

Concanavalin A induction of suppressor activity in the T-helper subset defined by monoclonal antibodies. Davidsen B, et al. **Scand J Immunol** 1986 Jan;23(1):25–33

An OKT4+ T-cell population in Sézary syndrome: attempts to elucidate its lack of proliferative capacity and its suppressive effect. Golstein MM, et al. **Scand J Immunol** 1986 Jan;23(1):53–64

Suppression of parasite-specific response in Plasmodium falciparum malaria. A longitudinal study of blood mononuclear cell proliferation and subset composition. Theander TG, et al. **Scand J Immunol** 1986 Jul;24(1):73–81

Suppressor factors generated from human mononuclear cells by means of purified myeloma proteins. Wangel AG, et al. **Scand J Immunol** 1986 Mar;23(3):267–71

Carrier-specific induction of suppressor cells controlling anti-erythrocyte autoantibody production in mice. Watt GJ, et al. **Scand J Immunol** 1986 Jul;24(1):39–43

The effects of suppressive activities mediated by cells on the protection of fetus against maternal immune rejection. Wang DN, et al. **Sci Sin [B]** 1985 Aug;28(8):863–71

Induction of suppressor cells specific for AChR in experimental autoimmune myasthenia gravis. McIntosh KR, et al. **Science** 1986 Apr 18;232(4748):401–3

Suppressor cell activity triggered by tumor associated antigen in patients with intracranial glioma. Lin SM, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Jan;85(1):8–18

Different handling of antigen by macrophages of low responder C57BL/10ScSn strain and high responder A/J strain of mice. I. Presentation of antigen and induction of helper and suppressor cells. Říhová B, et al. **Thymus** 1986; 8(3):161–9

Peripheral blood mononuclear cells (PBMC) from recipients of human bone marrow allografts suppress mitogen-induced proliferation of marrow donor PBMC. Cooley MA, et al. **Transplant Proc** 1986 Apr;18(2):270–2

Suppression of antigraft immunity by preimmunization. IV. Persistence by long-lived recirculating suppressor T cells. Bril H, et al. **Transplantation** 1985 Oct;40(4):417–21

Suppressor T cells in allogeneic models. Hutchinson IV. **Transplantation** 1986 May;41(5):547–55 (115 ref.)

Improved renal allograft function and survival following nonspecific blood transfusions. I. Induction of soluble suppressor factors inhibiting the mitogenic response. Roy R, et al. **Transplantation** 1986 May;41(5):640–3

Functional clonal deletion versus suppressor cell-induced transplantation tolerance in chimeras prepared with a short course of total-lymphoid irradiation. Slavin S, et al. **Transplantation** 1986 Jun;41(6):680–7

Transplantation tolerance mediated by suppressor T cells and suppressive antibody in a recipient of a renal transplant. Suzuki S, et al. **Transplantation** 1985 Oct;40(4):357–63

Regulation of immunoglobulin production after human marrow grafting. The role of helper and suppressor T cells in acute graft-versus-host disease. Witherspoon RP, et al. **Transplantation** 1986 Mar;41(3):328–35

The immunosuppressive action of suppressor cells from antigen-cyclosporine-treated hosts on renal allograft survival. Yoshimura N, et al. **Transplantation** 1985 Oct; 40(4):384–9

Suppressor cell activity of cells infiltrating rat renal allografts prolonged by perioperative administration of extracted histocompatibility antigen and cyclosporine. Yoshimura N, et al. **Transplantation** 1985 Dec;40(6):708–13

[Concanavalin A-induced suppressor cell activity in patients with leukemia] Hu J, et al. **Chung Hua Nei Ko Tsa Chih** 1985 Jul;24(7):412–5, 446–7 (Eng. Abstr.) (Chi)

[Studies on the activity of natural killer cells and concanavalin A suppressor cells in patients with autoimmune diseases] Wu WL, et al. **Chung Hua Nei Ko Tsa Chih** 1985 Nov;24(11):668–70, 702 (Eng. Abstr.) (Chi)

[Subpopulations of peripheral T lymphocytes (Th/Ts) in atopic dermatitis and in psoriasis] Klene U, et al. **Hautarzt** 1986 Jan;37(1):17–22 (Eng. Abstr.) (Ger)

[Suppressor cell activity in patients with undifferentiated collagenoses] Würden E, et al. **Immun Infekt** 1986 Feb; 14(1):35–6 (Eng. Abstr.) (Ger)

[Effect of concanavalin A activated suppressor cells on lymphocyte transformation and immunoglobulin synthesis] Müller WA, et al. **Z Med Lab Diagn** 1985;26(8):445–50 (Eng. Abstr.) (Ger)

[B-cell suppression of delayed hypersensitivity reactions in mice] Kuribayashi K, et al. **Arerugi** 1986 Feb;35(2):118–23 (Eng. Abstr.) (Jpn)

[Eosinophil response and IgE production. I. Regulation of peritoneal eosinophilia and IgE production by suppressor T-cells] Takenaka T, et al. **Arerugi** 1985 Sep;34(9):874–82

(Eng. Abstr.) (Jpn)
[Proceedings of our studies on cellular immunity] Yasuhira K. **Bull Chest Dis Res Inst Kyoto Univ** 1982 Mar; 15(1–2):25–32 (Eng. Abstr.) (Jpn)
[Modification of suppressor activity and effector activity of tumor-bearing hosts by bleomycin] Hosokawa M. **Gan To Kagaku Ryoho** 1986 Mar;13(3 Pt 2):677–83 (Eng. Abstr.) (Jpn)
[Enhancement of immune response by an antitumor agent, cyclophosphamide] Nitta K, et al. **Gan To Kagaku Ryoho** 1986 Mar;13(3 Pt 2):706–13 (Eng. Abstr.) (Jpn)
[Genetic restriction specificity of suppressor T cell circuit—analyses by allogeneic bone marrow chimeras] Munechika N. **Hokkaido Igaku Zasshi** 1985 Jul; 60(4):593–601 (Eng. Abstr.) (Jpn)
[Experimental and clinical studies on the significance of human T cells bearing IgG-Fc receptor (T gamma cells) in gastric cancer patients] Itagaki E. **Nippon Geka Gakkai Zasshi** 1985 Oct;86(10):1405–16 (Eng. Abstr.) (Jpn)
[Liver regeneration and the immune system. III. Suppressor activity of splenic adherent cells activated in vivo by liver regeneration] Noda H. **Nippon Geka Gakkai Zasshi** 1986 Jun;87(6):636–41 (Eng. Abstr.) (Jpn)
[Angioimmunoblastic lymphadenopathy with dysproteinemia terminating in peripheral T cell lymphoma with cytotoxic/suppressor phenotype: a case report] Otshi H, et al. **Rinsho Ketsueki** 1986 May;27(5):792–7 (Eng. Abstr.) (Jpn)
[Atopic dermatitis. VII. Suppressor T lymphocytes] Silny W. **Przegl Dermatol** 1985 May–Jun;72(3):233–6 (Eng. Abstr.) (Pol)
[Suppressive activity of lymphocytes and monocytes in patients with syphilis] Zaba R, et al. **Przegl Dermatol** 1985 Mar–Apr;72(2):139–45 (Eng. Abstr.) (Pol)
[Immunoregulatory cells in the blood of pregnant women] Matveeva NK, et al. **Akush Ginekol (Mosk)** 1986 Jun; (6):36–9 (Eng. Abstr.) (Rus)
[Antilymphocyte antibodies in various human diseases as a factor of reduced functional activity of T-suppressors] Belokryiov GA, et al. **Biull Eksp Biol Med** 1986 Jun; 101(6):730–3 (Eng. Abstr.) (Rus)
[Characteristics of 2 types of antigen-binding T suppressors formed during an immune response using T–T hybridomas and their extracts] Chernousov AD, et al. **Biull Eksp Biol Med** 1986 Apr;101(4):450–3 (Eng. Abstr.) (Rus)
[Production of monoclonal antibodies to antigens of specific mouse T-suppressors] Chervonskii AV, et al. **Biull Eksp Biol Med** 1986 Jul;102(7):56–8 (Eng. Abstr.) (Rus)
[Effect of B-activin on human T-suppressors] Gambarov SS, et al. **Biull Eksp Biol Med** 1986 May;101(5):598–600 (Eng. Abstr.) (Rus)
[Effect of antigen-induced B-suppressors on the development of B memory cells, carrier-specific T-helpers and antibody-producing cells] Kalinkovich AG, et al. **Biull Eksp Biol Med** 1986 Jul;102(7):58–60 (Eng. Abstr.) (Rus)
[Induction in vivo of specific T suppressors in mice of mutant lines H-2KbT] Kan ES, et al. **Biull Eksp Biol Med** 1986 Aug;102(8):203–5 (Eng. Abstr.) (Rus)
[Normal human bone marrow suppressor cells and in liver cirrhosis] Khaitov RM, et al. **Biull Eksp Biol Med** 1985 Dec;100(12):724–6 (Eng. Abstr.) (Rus)
[Suppressor hyperactivity in relation to allogeneic lymphocyte proliferation as a manifestation of T- T-cell interaction defects in systemic lupus erythematosus] Stenina MA, et al. **Biull Eksp Biol Med** 1986 Aug;102(8):215–7 (Eng. Abstr.) (Rus)
[Effect of gangliosides on the activation of human T-suppressors] Diatlovitskaia EV, et al. **Dokl Akad Nauk SSSR** 1986;288(6):1497–500 (Rus)
[Characteristics of cells participating in the adoptive transfer of tumor-associated suppressor activity] Semenova-Kobzar' RA, et al. **Eksp Onkol** 1985;7(4):57–60 (Eng. Abstr.) (Rus)
[Activity of suppressor cells in children with pyelonephritis] Polunin AI, et al. **Pediatriia** 1986 Feb;(2):16–9 (Eng. Abstr.) (Rus)
[Effect of A-cells on the activity of nonspecific T-suppressors in rheumatoid arthritis patients] Shirinskii VS. **Revmatologiia (Moskva)** 1985 Jul–Sep;(3):62–5 (Eng. Abstr.) (Rus)
[Bone marrow suppressor cells of patients with viral and alcoholic liver cirrhoses] Khaitov RM, et al. **Ter Arkh** 1986; 58(1):82–6 (Eng. Abstr.) (Rus)
[Quantitative and functional characteristics of T-suppressors in patients with rheumatoid arthritis] Shirinskii VS, et al. **Ter Arkh** 1985;57(8):145–8 (51 ref.) (Rus)
[Activity of short-lived suppressor lymphocytes in rheumatoid arthritis] Vasil'eva EV, et al. **Ter Arkh** 1985; 57(7):98–102 (Eng. Abstr.) (Rus)
[Correlations between the quantitative and functional indicators of lymphocyte subpopulations in patients with eczema in relation to HLA phenotype] Kubanova AA. **Vestn Dermatol Venerol** 1985 Oct;(10):11–5 (Eng. Abstr.) (Rus)
[Analysis of the suppressor activity of lymphocytes in patients with different forms of syphilis] Tseraidi NF. **Vestn Dermatol Venerol** 1985 Nov;(11):27–32 (Eng. Abstr.) (Rus)
[Thymus-dependent mechanisms of the pathogenesis of arteriosclerosis] Gandzha IM, et al. **Vrach Delo** 1986 Jun; (6):1–4 (Eng. Abstr.) (Rus)
[Role of virus-induced autoreactive T-lymphocytes, T-suppressors and the serum factor regulating their activity in the pathogenesis of experimental infection caused by the Langat virus in mice] Khozinskii VV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Aug;(8):66–73 (Eng. Abstr.) (Rus)
[Activation of suppressor cells of the delayed hypersensitivity response in BALB/c mice infected or immunized with Leishmania mexicana pifanoi] Pérez HA, et al. **Mem Inst Oswaldo Cruz** 1985 Oct–Dec;80(4):429–38 (Eng. Abstr.) (Spa)
[Reduction of the suppressor response induced by con A in patients with hemophilia A or B] Fernández J, et al. **Sangre (Barc)** 1986;31(1):7–16 (Eng. Abstr.) (Spa)

METABOLISM

Beta-adrenergic receptors on human suppressor, helper, and cytolytic lymphocytes. Khan MM, et al. **Biochem Pharmacol** 1986 Apr 1;35(7):1137–42
Characteristics of histamine receptors present on suppressor T cells in "healthy individuals".Nanda NK, et al. **Int J Immunopharmacol** 1985;7(4):587–95

PATHOLOGY

Lack of normal CFU-C/suppresor activity in population of alloantigen-stimulated T cells from patients with chronic myelogenous leukemia. Maekawa T, et al. **Exp Hematol** 1986 May;14(4):316–23
Helper and suppresor T cells in periodontal disease. Stashenko P, et al. **J Periodont Res** 1985 Sep;20(5):515–21

PHYSIOLOGY

Restoration of suppressor T-cell functions in children with AIDS following intravenous gamma globulin treatment. Gupta A, et al. **Am J Dis Child** 1986 Feb;140(2):143–6
Thymic regulation of hematopoiesis. III: Isolation of helper and suppressor populations using counterflow centrifugal elutriation. Sharkis SJ, et al. **Blood** 1986 Sep;68(3):787–9
TMA-specific first-order T-suppressor hybridoma. I. Characterization of the hybridoma-derived single-chain inducer suppressor factor, TsF1. Jendrisak GS, et al. **Cell Immunol** 1986 Feb;97(2):419–32
Impairment of lymphocyte-suppressive system in recent-onset insulin-dependent diabetes mellitus. Correlation with metabolic control. Crosti F, et al. **Diabetes** 1986 Sep;35(9):1053–7
Effect of activated lymphocytes on the regulation of hematopoiesis: suppression of in vitro granulopoiesis and erythropoiesis by OKT8+ Ia- T cells induced by concanavalin-A stimulation. Harada M, et al. **Exp Hematol** 1985 Oct;13(9):963–7
Factors influencing the enhancement of delayed-type hypersensitivity to ovalbumin by cyclosporin A in the guinea pig: possible role of suppressor cells. Aldridge RD, et al. **Int Arch Allergy Appl Immunol** 1986;81(1):17–23
Dissociation of T8+ cell-mediated cytolytic and suppressor functions in young adults. Nicholas MK, et al. **J Clin Lab Immunol** 1986 Jun;20(2):51–5
Lack of suppression by concanavalin A-activated neonatal mononuclear cells. Soderberg-Warner M, et al. **Pediatr Res** 1985 Sep;19(9):927–9
Rearrangement and expression of the alpha- and beta-chain genes of the T-cell antigen receptor in functional murine suppressor T-cell clones. De Santis R, et al. **Proc Natl Acad Sci USA** 1985 Dec;82(24):8638–42
Genetic restriction in the suppression of erythropoiesis and the role of Ia-like antigens in progenitor differentiation. Lipton JM. **Prog Clin Biol Res** 1985;184:425–43
B lymphocyte differentiation and suppressor activity by T lymphocytes derived from neonatal and sucking piglets. Suganuma A, et al. **Res Vet Sci** 1986 May;40(3):400–5
Accessory cell function of a lined macrophage in the induction of suppressor T cells in vitro. Nakamura RM, et al. **Surv Synth Pathol Res** 1985;4(5–6):443–56
[Circadian and seasonal changes of the inducer:suppressor ratio (OKT4+:OKT8+) in venous blood of healthy adults] Canon C, et al. **C R Acad Sci [III]** 1986;302(14):519–24 (Eng. Abstr.) (Fre)
[No correlation between suppressor cell function and disease activity in natural history studies of patients with systemic lupus erythematosus] Rautenstrauch H, et al. **Z Rheumatol** 1985 May–Jun;44(3):133–6 (Eng. Abstr.) (Ger)

RADIATION EFFECTS

Characterization of a cloned ultraviolet radiation (UV)-induced suppressor T cell line that is capable of inhibiting anti-UV tumor-immune responses. Roberts LK. **J Immunol** 1986 Mar 1;136(5):1908–16
The low incidence of multiple sclerosis in areas near the equator may be due to ultraviolet light induced suppressor cells to melanocyte antigens. Sharpe RJ. **Med Hypotheses** 1986 Apr;19(4):319–23
Defective radioresistant suppressor cell activity in hemodialysis patients. Mirapeix E, et al. **Nephron** 1985; 41(2):184–8
The effect of ultraviolet radiation on the generation of plaque-forming cells and on T-suppressor cell activity to sheep erythrocytes. Funnell SG, et al. **Photodermatol** 1986 Apr;3(2):64–72
Studies on the mechanism of systemic suppression of contact hypersensitivity by ultraviolet B radiation. Kripke ML, et al. **Photodermatol** 1986 Feb;3(1):4–14
Long-term effects on the immune system following local radiation therapy for breast cancer. 4. Proliferative responses and induction of suppressor activity of the blood lymphocyte population. Rotstein S, et al. **Radiother Oncol** 1986 Jul;6(3):223–30
[Functional activity of cells suppressing the humoral immune response in internal irradiation] Anokhin IuN, et al. **Radiobiologiia** 1986 Mar–Apr;26(2):278–80 (Eng. Abstr.) (Rus)

SECRETION

Functional and biochemical characterization of a secreted I-J(+) suppressor factor that binds to immunoglobulin. Daley MJ, et al. **J Exp Med** 1986 Jun 1;163(6):1415–32
[Antigen-specific suppressor factors—aerology, structure and function] Skibiński G. **Postepy Hig Med Dosw** 1985 May–Jun;39(3):229–44 (96 ref.) (Eng. Abstr.) (Pol)

TRANSPLANTATION

Suppression of antigraft immunity by preimmunization. III. Characterization of suppressor T cells involved in suppression of the efferent phase of DTH against alloantigens. Bianchi AT, et al. **J Immunol** 1986 Jul 15; 137(2):433–42

ULTRASTRUCTURE

[Histamine receptor-bearing lymphocytes. V. Induction of suppressor cells with histamine or concanavalin A] Volk HD, et al. **Allerg Immunol (Leipz)** 1986;32(2):97–102 (Eng. Abstr.) (Ger)

SUPPRESSOR FACTORS, IMMUNOLOGIC

Somatic mutations in the variable region of the lambda 2 chain of M315 suppression of antibodies to the idiotype of M315. Sakato N, et al. **Biken J** 1985 Dec;28(3–4):51–8
Structural analyses of a monoclonal heterodimeric suppressor factor specific for L-glutamic acid60-L-alanine30-L-tyrosine10. Turck CW, et al. **J Immunol** 1986 Sep 15;137(6):1904–9

ADMINISTRATION & DOSAGE

Suppression of immune responses to sheep erythrocytes by the lymphokine soluble immune response suppressor (SIRS) in vivo. Schnaper HW, et al. **J Immunol** 1986 Aug 1; 137(3):863–7

ANALYSIS

Human cord blood suppressor T lymphocytes: I. Phenotype and target of the inducer of suppressor cell factor. Cheng H, et al. **Am J Reprod Immunol Microbiol** 1985 Nov; 9(3):93–9
Murine IgA binding factors (IgA-BF) suppressing IgA production: characterization and target specificity of IgA-BF. Noro N, et al. **J Immunol** 1986 Apr 15; 136(8):2910–6
ELISA for the detection of the lymphokine soluble immune response suppressor. Aune TM. **J Immunol Methods** 1985 Nov 28;84(1–2):33–44
Soluble immune response suppressor (SIRS). Aune TM, et al. **Methods Enzymol** 1985;116:395–402
Naturally occurring, spleen-associated suppressor activity of the newborn mouse. Biochemical and functional identification of three monokines secreted by newborn suppressor-inducer monocytes. Jadus MR, et al. **Scand J Immunol** 1986 Jan;23(1):35–44
[Plaque-forming cell (PFC) technique in the assay of serum blocking activity in lung cancer] Zhang XM. **Chung Hua Chung Liu Tsa Chih** 1985 Jul;7(4):254–6 (Eng. Abstr.) (Chi)
[Changes in nonspecific suppressor factors in the serum of gastric cancer patients after surgery and immunochemotherapy] Nomoto K, et al. **Gan To Kagaku Ryoho** 1986 Mar;13(3 Pt 1):458–63 (Eng. Abstr.) (Jpn)
[Studies of suppression factors in lymphocyte culture supernatants from glomerulonephritic patients] Okano K, et al. **Nippon Jinzo Gakkai Shi** 1985 Oct;27(10):1353–61 (Eng. Abstr.) (Jpn)

BIOSYNTHESIS

T cells in B cell chronic lymphocytic leukaemia. I. Decreased frequency of T lymphocytes secreting suppressor factor. Bloem AC, et al. **Clin Exp Immunol** 1986 Jan;63(1):188–93
Establishment and characterization of a permanent T-cell line producing an antigen non-specific suppressor factor. Holáň V, et al. **Immunology** 1985 Oct;56(2):275–83
Induction of a passive cutaneous anaphylaxis inhibitory factor in mice. Mecheri S, et al. **Int Arch Allergy Appl Immunol** 1985;78(3):290–9
Identification and characterization of a suppressor T cell

hybridoma specifically inducible by L-glutamic acid60-L-alanine30-L-tyrosine10 (GAT). Sorensen CM, et al. **J Immunol** 1986 Sep 1;137(5):1455-61

GENETICS

Antigen-specific T cell suppressor factor (TsF): isolation of a cDNA clone encoding for a functional polypeptide chain of phosphorylcholine-specific TsF. Sugimura K, et al. **Eur J Immunol** 1985 Sep;15(9):873-80

[Genetic restriction specificity of suppressor T cell circuit--analyses by allogeneic bone marrow chimeras] Munechika N. **Hokkaido Igaku Zasshi** 1985 Jul; 60(4):593-601 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

An overview of T-suppressor cell circuits. Asherson GL, et al. **Annu Rev Immunol** 1986;4:37-68 (104 ref.)

Suppressor cells and immunoregulation. Dorf ME, et al. **Annu Rev Immunol** 1984;2:127-57 (137 ref.)

The biochemistry of antigen-specific T-cell factors. Webb DR, et al. **Annu Rev Immunol** 1983;1:423-38 (54 ref.)

Macrophage transmission of suppressor signal for suppression of delayed hypersensitivity and humoral response in JEV-infected mice. Mathur A, et al. **Br J Exp Pathol** 1986 Apr;67(2):171-9

Suppression of experimental allergic encephalomyelitis in rats by suppressor factor from a permanent T cell line. Stěrdra J, et al. **Folia Biol (Praha)** 1986;32(3):212-7

Suppression of monocyte mediated anti U562 cytotoxicity by soluble factors in the serum of cancer patients and in the supernatant of K562 cell culture. Kiczka W, et al. **Immunol Lett** 1986 Sep;13(3):127-31

Cellular requirements for the suppression of leucocyte adherence inhibition reactions by serum factors from tumour-bearing mice. Kuchroo VK, et al. **Immunology** 1986 Apr;57(4):545-52

Effect of Bacillus Calmette-Guérin on the in vitro generation of cytotoxic T lymphocytes. II. Role of interleukin-1-like factors and of soluble suppressor factors. Mellow L, et al. **Immunology** 1985 Oct;56(2):235-43

Suppressor factor abrogates dengue virus-induced depression of Fc-receptor functions of macrophages. Nagar R, et al. **Indian J Exp Biol** 1985 Mar;23(3):121-5

Inhibition of B & helper T lymphocytes by dengue virus-induced suppressor factor. Chaturvedi UC, et al. **Indian J Med Res** 1985 Nov;82:471-4

Activation of suppressor cells by low molecular weight factors secreted by spleen cells of tumor-bearing mice: modulatory role of prostaglandins. Pillay DJ, et al. **Int J Immunopharmacol** 1986;8(2):227-35

Regulation of immune responses by I-J gene products. VI. Recognition of I-E molecules by I-J-bearing suppressor factors. Waltenbaugh C, et al. **J Exp Med** 1986 Apr 1; 163(4):797-811

Mechanism of action of a T suppressor factor (TsF) in contact sensitivity: the T cell target for TsF activity in adoptive transfer of immunity is not effector cell. Flood P, et al. **J Immunol** 1986 Sep 15;137(6):1829-35

Lymphocyte suppressive peptides from fibrinogen are derived predominantly from the A alpha chain. Plow EF, et al. **J Immunol** 1986 Sep 15;137(6):1910-5

Regulation of herpes simplex virus-specific cell-mediated immunity by a specific suppressor factor. Horohov DW, et al. **J Virol** 1986 May;58(2):331-8

A soluble T cell suppressor factor for the mixed leukocyte response (MLR-TsF). Beckwith M, et al. **Methods Enzymol** 1985;116:416-27

Antigen-specific suppressor T cells and their soluble products. Taniguchi M, et al. **Methods Enzymol** 1985; 116:311-25

Improved renal allograft function and survival following nonspecific blood transfusions. I. Induction of soluble suppressor factors inhibiting the mitogenic response. Roy R, et al. **Transplantation** 1986 May;41(5):640-3

[Antigen-specific suppressor factors--serology, structure and function] Skibiński G. **Postepy Hig Med Dosw** 1985 May-Jun;39(3):229-44 (96 ref.) (Eng. Abstr.) **(Pol)**

[Role of virus-induced autoreactive T-lymphocytes, T-suppressors and the serum factor regulating their activity in the pathogenesis of experimental infection caused by the Langat virus in mice] Khozinskii VV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Aug;(8):66-73 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Macrophage suppression by a low-molecular-weight fraction of murine spleen cell culture supernatant. Abbott GG, et al. **Cell Immunol** 1986 Feb;97(2):446-53

Functional and biochemical characterization of a secreted I-J(+) suppressor factor that binds to immunoglobulin. Daley MJ, et al. **J Exp Med** 1986 Jun 1;163(6):1415-32

Size and charge heterogeneity of murine IgG-binding factors (IgG-BF). Blank U, et al. **J Immunol** 1986 Apr 15; 136(8):2975-82

Isolation and characterization of an antigen-specific suppressor inducer molecule from serum of hyperimmune mice by using a monoclonal antibody. Ferguson TA, et al. **J Immunol** 1986 Apr 15;136(8):2896-903

Characterization of an immunosuppressive factor from malignant ascites that resembles a factor induced in vitro by carcinoembryonic antigen. Medoff JR, et al. **J Immunol** 1986 Sep 15;137(6):2057-64

Isolation and characterization of a monoclonal nonspecific suppressor factor (MNSF) produced by a T cell hybridoma. Nakamura M, et al. **J Immunol** 1986 Apr 15;136(8):2904-9

Purification and partial characterization of a monoclonal "second order" suppressor factor specific for L-glutamic acid60-L-alanine30-L-tyrosine10. Turck CW, et al. **J Immunol** 1985 Nov;135(5):3232-7

Purification and analysis of isoforms of soluble immune response suppressor (SIRS). Webb DR, et al. **J Immunol** 1985 Nov;135(5):3238-42

Tumor-derived suppressor factors (TDSFs) in normal and neoplastic colon and rectum. Hoagland JG, et al. **J Surg Res** 1986 May;40(5):467-74

Antigen-specific suppressor factors from hybridoma cell lines. Kapp JA, et al. **Methods Enzymol** 1985;116:303-11

METABOLISM

Effect of methanol extraction residue tubercle bacillus fraction treatment in vivo and in vitro on the release and activity of suppressor factor inhibiting the efferent phase of contact sensitivity in mice. Zimber C, et al. **Cell Immunol** 1985 Oct 15;95(2):443-9

Impaired release of a T-cell specific suppressor factor in rheumatoid arthritis. Lau C, et al. **Clin Exp Immunol** 1985 Sep;61(3):489-95

Isotype-like suppression of T cell-mediated immunity in vivo. II. Suppression of the early component of contact sensitivity by a Ly-2+ T cell-derived suppressor factor that binds to contact sensitivity-initiating, antigen-specific, Ly-1+ T cell-derived factors that are of different antigen specificities. Ptak W, et al. **J Immunol** 1986 Mar 1; 136(5):1564-70

PHARMACODYNAMICS

A primary in vitro antibody assay for antigen-specific T-suppressor factor: cross-suppression of TNP-specific antibody responses by TMA-specific TsF1. Jendrisak GS, et al. **Cell Immunol** 1985 Oct 15;95(2):407-19

PHYSIOLOGY

Antibody-induced suppression and postsuppression stimulation of complement in vitro. III. Long-term C4 suppression is actively maintained by a soluble suppressor factor (FsC4). Goldman JN, et al. **Cell Immunol** 1985 Nov; 96(1):26-37

Interaction of idiotype-specific T suppressor factor with the hapten-specific third-order T suppressor subset results in antigen-nonspecific suppression. Jayaraman S, et al. **Cell Immunol** 1986 Aug;101(1):72-81

Suppression of a polyclonal B-cell response by supernatants from the murine autologous mixed lymphocyte reaction. Wolos JA, et al. **Cell Immunol** 1985 Nov;96(1):61-70

Longevity of human allospecific TLCs: mycoplasma infection as a cause of in vitro "suppression" of MLC. Rosen-Bronson S, et al. **Hum Immunol** 1985 Dec; 14(4):365-77

Dissociation of T8+ cell-mediated cytolytic and suppressor functions in young adults. Nicholas MK, et al. **J Clin Lab Immunol** 1986 Jun;20(2):51-5

Immunosuppressive effects of glycosylation inhibiting factor on the IgE and IgG antibody response. Akasaki M, et al. **J Immunol** 1986 May 1;136(9):3172-9

Insulin-specific suppressor T cell factors. Jensen PE, et al. **J Immunol** 1986 Feb 15;136(4):1309-14

Cellular interactions of L-glutamic acid60-L-alanine30-L-tyrosine10 (GAT)-specific suppressor factors. I. Inhibition of the activity of GAT-specific helper T cell clones by monoclonal GAT-specific suppressor T cell factors. Lopez MT, et al. **J Immunol** 1986 Feb 1;136(3):798-804

Contra-IL 2; a suppressor lymphokine that inhibits IL 2 activity. Maki T, et al. **J Immunol** 1986 May 1; 136(9):3298-303

Regulation of granulomatous inflammation in murine schistosomiasis. III. Recruitment of antigen-specific I-J+ T suppressor cells of the granulomatous response by I-J+ soluble suppressor factor. Mathew RC, et al. **J Immunol** 1986 Feb 1;136(3):1093-9

Suppressor T cell circuits in contact sensitivity. III. A monoclonal T cell hybrid-derived suppressor factor specifically suppresses local DTH transfer by a DNP-specific T cell clone. Miller SD, et al. **J Immunol** 1986 Mar 1;136(5):1571-8

Histamine-induced suppressor factor inhibition of NK cells: reversal with interferon and interleukin 2. Nair MP, et al. **J Immunol** 1986 Apr 1;136(7):2456-62

A suppressive lymphokine of platelet cytotoxic functions. Pancré V, et al. **J Immunol** 1986 Jul 15;137(2):585-91

Isotype-like suppression of T cell-mediated immunity in vivo. I. Delayed-type hypersensitivity specificity of T cell suppression induced by antigen-binding T cell factors that initiate contact sensitivity. Ptak W, et al. **J Immunol** 1986 Mar 1;136(5):1554-63

Haplotype-specific suppression of antibody responses in vitro. III. Haplotype-specific suppressor factor (TsF-H) binds to but fails to suppress responses by the I-A mutant strain B6.C-H-2bm12. Sorensen CM, et al. **J Immunol** 1985 Dec;135(6):4054-8

Suppression of natural killer cell activity by human seminal plasma in vitro: identification of 19-OH-PGE as the suppressor factor. Tarter TH, et al. **J Immunol** 1986 Apr 15;136(8):2862-7

Interference of a C3-fragment preparation with IL 2-dependent proliferation. Walker C, et al. **J Immunol** 1986 May 1;136(9):3396-401

Nonspecific T suppressor factor (nsTsF) cascade in contact sensitivity: nsTsF-1 causes an Ly-1+2- I-A+ immune T cell to produce a second, genetically restricted, nsTsF-2. Zembala M, et al. **J Immunol** 1986 Aug 15;137(4):1138-43

Relationship between age and cellular suppressive activity in resistance to Histoplasma capsulatum infection. Reyes Montes MR, et al. **Sabouraudia** 1985 Oct;23(5):351-60

[Properties of a suppressive T-cell factor regulating anti-thyroglobulin antibody formation in the lymphocytes of chronic thyroiditis patients] Noma T, et al. **Arerugi** 1986 Feb;35(2):77-85 (Eng. Abstr.) **(Jpn)**

RADIATION EFFECTS

Circulating suppresor factors in mice subjected to ultraviolet irradiation and contact sensitization. Harriott-Smith TG, et al. **Immunology** 1986 Feb;57(2):207-11

SECRETION

Requirement for prostaglandin E1 (PGE1) for the secretion of suppressor cell inducer factors by spleen cells of tumor-bearing mice. Pillay DJ, et al. **Int J Immunopharmacol** 1986;8(2):221-6

SUPPRESSOR MUTATION see **SUPPRESSION, GENETIC**

SUPPRESSOR T CELL FACTORS see **SUPPRESSOR FACTORS, IMMUNOLOGIC**

SUPPURATION

BLOOD

[Cationic protein content in the peripheral blood neutrophilic leukocytes of patients with suppurative-inflammatory processes] Podil'chak MD, et al. **Klin Khir** 1986;(1):56-7 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Idiopathic infant pyoceles. Kutin ND, et al. **J Pediatr Surg** 1986 May;21(5):441-2

[Method for assessing multifactor laboratory criteria in suppurative surgical infection] Leshchenko IG, et al. **Klin Khir** 1986;(1):14-6 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Regional administration of antibiotics in suppurative-inflammatory diseases] Ratsa DN, et al. **Klin Khir** 1986;(1):65-6 **(Rus)**

MICROBIOLOGY

Isolation of salmonella from unusual sites in the body. Jegathesan M. **Med J Malaysia** 1984 Dec;39(4):289-91

PATHOLOGY

[Role of neutrophils and macrophages in localizing purulent infection] Paukov VS. **Arkh Patol** 1986;48(3):30-8 (Eng. Abstr.) **(Rus)**

THERAPY

[Most frequent physician errors in treating patients with postinjection suppurative-necrotic lesions of the soft tissues] Tolstykh PI, et al. **Klin Khir** 1986;(1):58-9 **(Rus)**

SUPRACHIASMATIC NUCLEUS

ANALYSIS

VIP neurons as prime synaptic targets for serotonin afferents in rat suprachiasmatic nucleus: a combined radioautographic and immunocytochemical study. Bosler O, et al. **J Neurocytol** 1985 Oct;14(5):749-63

Neurotransmitters of the hypothalamic suprachiasmatic nucleus: immunocytochemical analysis of 25 neuronal antigens. van den Pol AN, et al. **Neuroscience** 1985 Aug; 15(4):1049-86

Suprachiasmatic nucleus vasopressin messenger RNA: circadian variation in normal and Brattleboro rats. Uhl GR, et al. **Science** 1986 Apr 18;232(4748):390-3

ANATOMY & HISTOLOGY

Sex differences in the shape of the sexually dimorphic nucleus of the preoptic area and suprachiasmatic nucleus of the rat: 3-D computer reconstructions and morphometrics. Robinson SM, et al. **Brain Res** 1986 Apr 23;371(2):380-4

The suprachiasmatic nucleus of the human brain in relation to sex, age and senile dementia. Swaab DF, et al. **Brain Res** 1985 Sep 2;342(1):37-44

CYTOLOGY

Vasotocin-immunoreactive elements and neuronal typology in the suprachiasmatic nucleus of the chicken and Japanese quail. Panzica GC. **Cell Tissue Res** 1985;242(2):371-6

DRUG EFFECTS

Influence of excitatory amino acid receptor antagonists and of baclofen on synaptic transmission in the optic nerve to the suprachiasmatic nucleus in slices of rat hypothalamus. Shibata S, et al. **Neuropharmacology** 1986 Apr;25(4):403–9

Effects of dibutyryl cyclic adenosine monophosphate and dibutyryl cyclic guanosine monophosphate on neuron activity of suprachiasmatic nucleus in rat hypothalamic slice preparation. Liou SY, et al. **Neurosci Lett** 1986 Jun 30;67(3):339–43

Inhibitory action of insulin on suprachiasmatic nucleus neurons in rat hypothalamic slice preparations. Shibata S, et al. **Physiol Behav** 1986 Jan;36(1):79–81

GROWTH & DEVELOPMENT

Retarded growth of the suprachiasmatic nucleus and pineal body in dw and lit dwarf mice. Noguchi T, et al. **Brain Res** 1986 May;391(2):161–72

IMMUNOLOGY

Identification of neuropeptide Y immunoreactivity in the suprachiasmatic nucleus and the lateral geniculate nucleus of some mammals. Ueda S, et al. **Neurosci Lett** 1986 Jul 11;68(1):7–10

METABOLISM

Different pharmacological anatomy in the paraventricular hypothalamic nucleus, supraoptic nucleus, and suprachiasmatic nucleus of rats: quantitative autoradiography on angiotensin II receptor binding sites. Hwang BH, et al. **Am J Anat** 1986 Jun;176(2):243–7

Neuropeptide Y immunoreactivity in the hamster geniculo-suprachiasmatic tract. Harrington ME, et al. **Brain Res Bull** 1985 Nov;15(5):465–72

Optic nerve stimulation–induced increase of release of 3H–glutamate and 3H–aspartate but not 3H–GABA from the suprachiasmatic nucleus in slices of rat hypothalamus. Liou SY, et al. **Brain Res Bull** 1986 Apr;16(4):527–31

The influence of serotonergic inputs on peptide neurons in the rat suprachiasmatic nucleus: an immunocytochemical study. Kawakami F, et al. **Neurosci Lett** 1985 Nov 11; 61(3):273–7

Circadian rhythm in metabolic activity of suprachiasmatic, supraoptic and raphe nuclei. Rosenwasser AM, et al. **Neurosci Lett** 1985 Jul 31;58(2):183–7

A daily rhythm in behavioral vasopressin sensitivity and brain vasopressin concentrations. Södersten P, et al. **Neurosci Lett** 1985 Jul 4;58(1):37–41

Effect of vasoactive intestinal peptide on serotonin metabolism in the suprachiasmatic area of the rat: mechanism of action. Hery M, et al. **Peptides** 1986 Mar–Apr;7(2):183–8

PHYSIOLOGY

Experimental dissociation of hypothalamic functions: an analysis of neural structural components for prolactin release control in the male rat. Colombo JA. **Acta Physiol Pharmacol Latinoam** 1985;35(3):291–9

Effects of illumination on suprachiasmatic nucleus electrical discharge. Groos GA, et al. **Ann NY Acad Sci** 1985; 453:134–46 (52 ref.)

Circadian corticosterone rhythm did not develop in rats seven weeks after destruction with 5,7-dihydroxytryptamine of the serotoninergic nerve terminals in the suprachiasmatic nucleus at the age of 16 days. Bánky Z, et al. **Brain Res** 1986 Mar 26; 369(1–2):119–24

Electrophysiological analysis of potential arginine vasopressin projections to the ventral septal area of the rat. Disturnal JE, et al. **Brain Res** 1985 Sep 2;342(1):162–7

The suprachiasmatic nuclei: circadian phase-shifts induced at the time of hypothalamic slice preparation are preserved in vitro. Gillette MU. **Brain Res** 1986 Jul 30;379(1):176–81

Horizontal knife cuts either ventral or dorsal to the hypothalamic paraventricular nucleus block testicular regression in golden hamsters maintained in short days. Inouye ST, et al. **Brain Res** 1986 Apr 2;370(1):102–7

Influence of deuterium oxide on circadian activity rhythms of hamsters: role of the suprachiasmatic nuclei. Pickard GE, et al. **Brain Res** 1986 Jun 18;376(1):149–54

Hypothalamic circuits and circadian rhythms: effects of knife cuts vary with their placement within the suprachiasmatic area. Brown MH, et al. **Brain Res Bull** 1986 May; 16(5):705–11

Generation of melatonin rhythms. Lincoln GA, et al. **Ciba Found Symp** 1985;117:129–48

In vivo voltammetry in the suprachiasmatic nucleus of the rat: effects of RU24969, methiothepin and ketanserin. Martin KF, et al. **Eur J Pharmacol** 1986 Feb 11; 121(1):135–9

Bilateral lesions of suprachiasmatic nucleus eliminate circadian rhythms of oxygen consumption and the respiratory quotient in rats. Nagai K, et al. **Experientia** 1985 Sep 15;41(9):1136–8

Maternal suprachiasmatic nuclei are necessary for maternal coordination of the developing circadian system. Reppert SM, et al. **J Neurosci** 1986 Sep;6(9):2724–9

Neural regulation of the circadian vasopressin rhythm in cerebrospinal fluid: a pre-eminent role for the suprachiasmatic nuclei. Schwartz WJ, et al. **J Neurosci** 1985 Oct;5(10):2771–8

Relationship of putative nicotinic cholinergic receptors in the suprachiasmatic nucleus to levels of pineal serotonin N-acetyltransferase activity in the normally cycling female, the male, and the ovariectomized rat. Miller MM, et al. **J Pineal Res** 1986;3(2):159–68

Effects of continuous supply of light or carbachol to the SCN on the rat free-running rhythm. Murakami N, et al. **Jpn J Physiol** 1986;36(2):411–6

Luteinizing hormone-releasing hormone neuronal system during the estrous cycle of the female rat: effects of surgically induced persistent estrus. Ronnekleiv OK, et al. **Neuroendocrinology** 1986;43(5):564–76

Horizontal knife cuts in the suprachiasmatic area prevent hamster gonadal responses to photoperiod. Eskes GA, et al. **Neurosci Lett** 1985 Nov 11;61(3):261–6

Increases in heart rate and blood pressure produced by microinjections of atrial natriuretic factor into the AV3V region of rat brain. Sills MA, et al. **Peptides** 1985 Nov–Dec; 6(6):1037–42

Entrainment of rat circadian rhythms by daily injection of melatonin depends upon the hypothalamic suprachiasmatic nuclei. Cassone VM, et al. **Physiol Behav** 1986; 36(6):1111–21

Persistent meal–associated rhythms in SCN–lesioned rats. Clarke JD, et al. **Physiol Behav** 1986 Jan;36(1):105–13

PHYSIOPATHOLOGY

The role of the anteromedial hypothalamus in Dahl hypertension. Ernsberger P, et al. **Brain Res Bull** 1985 Dec; 15(6):651–6

Role of the suprachiasmatic nuclei of the hypothalamus on diurnal rhythm in cardiac arrhythmias. Otsuka K, et al. **Heart Vessels** 1986;2(1):15–22

Circadian timekeeping in narcoleptic dogs. Schwartz WJ, et al. **Sleep** 1986;9(1 Pt 2):120–5

TRANSPLANTATION

Suprachiasmatic nucleus transplants function as an endogenous oscillator only in constant darkness. Aguilar–Roblero R, et al. **Neurosci Lett** 1986 Aug 15; 69(1):47–52

ULTRASTRUCTURE

Gamma–aminobutyrate, gastrin releasing peptide, serotonin, somatostatin, and vasopressin: ultrastructural immunocytochemical localization in presynaptic axons in the suprachiasmatic nucleus. van den Pol AN. **Neuroscience** 1986 Mar;17(3):643–59

[Ultrastructural relations between monoaminergic and peptidergic systems in the hypothalamus. Radioautographic approach and immunocytochemical binding in the arcuate nucleus and suprachiasmatic nucleus in the rat] Bosler O, et al. **Ann Endocrinol (Paris)** 1985;46(1):19–26 (Eng. Abstr.) **(Fre)**

SUPRAOPTIC NUCLEUS

ANALYSIS

Immunocytochemical evidence for the presence of a mutant vasopressin precursor in the supraoptic nucleus of the homozygous Brattleboro rat. Guldenaar SE, et al. **Cell Tissue Res** 1986;244(2):431–6

Immunocytochemical staining of supraoptic neurons from homozygous Brattleboro rats by use of antibodies against two domains of the mutated vasopressin precursor. Krisch B, et al. **Cell Tissue Res** 1986;244(2):351–8

Biochemical and immunochemical studies of supraoptic and paraventricular cultures. Morris M, et al. **Hypertension** 1986 Jun;8(6 Pt 2):II168–73

ANATOMY & HISTOLOGY

Radioautographic evidence that axons from the area of supraoptic nuclei in the rat project to extrahypothalamic brain regions. Alonso G, et al. **Neurosci Lett** 1986 May 23;66(3):251–6

[Rhythmicity of the activity of the supraoptic and paraventricular nuclei of the hypothalamus of the C57Bl mouse] Stepanova EO, et al. **Arkh Anat Gistol Embriol** 1985 Sep;89(9):37–43 (Eng. Abstr.) **(Rus)**

CYTOLOGY

A flow cytometric method for intracellular labeling and purification of rare neuronal populations: isolation of fixed neurophysin neurons. Paden CM, et al. **Brain Res** 1986 Jun 25;376(2):310–9

Serial reconstruction of Lucifer yellow–labeled supraoptic nucleus neurons in perfused rat hypothalamic explants. Randle JC, et al. **Neuroscience** 1986 Feb;17(2):453–67

DRUG EFFECTS

Opposing alpha– and beta–adrenergic mechanisms mediate dose–dependent actions of noradrenaline on supraoptic vasopressin neurones in vivo. Day TA, et al. **Brain Res** 1985 Dec 9;358(1–2):171–9

Characterization of hypothalamic noradrenaline receptors in the supraoptic nucleus and periventricular region of the paraventricular nucleus of mice in vitro. Inenaga K, et al. **Brain Res** 1986 Mar 26;369(1–2):37–47

Morphological changes of rat neurosecretory neurones after stereotaxic injection of kainic acid into the supraoptic nucleus or the supraoptico–hypophyseal tract. Rheinert C, et al. **Brain Res** 1986 May 14;373(1–2):57–67

Neuropharmacology of supraoptic nucleus neurons: norepinephrine and gamma–aminobutyric acid receptors. Randle JC, et al. **Fed Proc** 1986 Aug;45(9):2312–7 (40 ref.)

Comparison between the actions of avian pancreatic polypeptide, neuropeptide Y and norepinephrine on the excitability of rat supraoptic vasopressin neurons. Day TA, et al. **Neurosci Lett** 1985 Dec 4;62(2):181–5

The action of picrotoxin on the interspike interval in rat supraoptic neurones. West DC, et al. **Neurosci Lett** 1985 Dec 4;62(2):207–11

[Effect of polarization of the frontal cortex on the resistance of the subcortical centers to ether] Batrak GE, et al. **Farmakol Toksikol** 1986 Jan–Feb;49(1):16–23 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

4–aminobutyrate: 2–oxoglutarate transaminase–containing neurons in the perinuclear zone of the rat supraoptic nucleus. Iijima K, et al. **Acta Histochem (Jena)** 1986; 79(2):211–21

Tyrosine hydroxylase in magnocellular neurosecretory neurons. Response to physiological manipulations. Kiss JZ, et al. **Neuroendocrinology** 1986;43(4):519–25

GROWTH & DEVELOPMENT

Changes in nucleolar morphology and volume of the supraoptic nucleus neurons during postnatal development of the rat. Lafarga M, et al. **Brain Res** 1985 Oct; 354(2):310–13

METABOLISM

Different pharmacological anatomy in the paraventricular hypothalamic nucleus, supraoptic nucleus, and suprachiasmatic nucleus of rats: quantitative autoradiography on angiotensin II receptor binding sites. Hwang BH, et al. **Am J Anat** 1986 Jun;176(2):243–7

Localization of vasopressin–neurophysin and norepinephrine in the supraoptic nucleus of spontaneously hypertensive rats. Sladek JR Jr, et al. **Brain Res** 1986 Feb 19; 365(2):293–304

Lactation–associated redistribution of the glial fibrillary acidic protein within the supraoptic nucleus. An immunocytochemical study. Salm AK, et al. **Cell Tissue Res** 1985;242(1):9–15

Cosinor analysis of circadian changes in cytoplasmic RNA of nucleus suprapticus and nucleus arcuatus neurons following a single dose of ACTH. Lach H, et al. **Folia Biol (Krakow)** 1985;33(1–2):3–8

Colocalization of neuropeptide Y immunoreactivity in brainstem catecholaminergic neurons that project to the paraventricular nucleus of the hypothalamus. Sawchenko PE, et al. **J Comp Neurol** 1985 Nov 8;241(2):138–53

Altered catecholamine innervation of the supraoptic nucleus in the nephrogenic diabetes insipidus mouse. Davis BJ, et al. **Neuroendocrinology** 1985 Nov;41(5):394–9

Postnatal development of vasopressin mRNA content in supraoptic and paraventricular nucleus of the Wistar rat. van Tol HH, et al. **Neurosci Lett** 1986 Mar 28;65(1):1–6

PATHOLOGY

The vasopressin and oxytocin neurons in the human supraoptic and paraventricular nucleus; changes with aging and in senile dementia. Fliers E, et al. **Brain Res** 1985 Sep 2;342(1):45–53

[Reactions of the supraoptic nucleus and paraventricular hypothalamic nucleus of the rabbit to overheating and cooling of the body] Gajkowska B. **Neuropatol Pol** 1985; 23(3):353–74 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Alpha 1–adrenergic receptor activation depolarizes rat supraoptic neurosecretory neurons in vitro. Randle JC, et al. **Am J Physiol** 1986 Sep;251(3 Pt 2):R569–74

Interhemispheric transfer of visual discrimination in pigeons with supraoptic decussation (DSO) lesions before and after monocular learning. Watanabe S. **Behav Brain Res** 1985 Oct;17(3):163–70

Noradrenergic stimulation of supraoptic neuronal activity and vasopressin release in vitro: mediation by an alpha 1–receptor. Armstrong WE, et al. **Brain Res** 1986 Feb 12; 365(1):192–7

Vacant postsynaptic densities on supraoptic dendrites of adult rats diminish in number with chronic stimuli. Tweedle CD, et al. **Cell Tissue Res** 1986;245(1):37–41

Neurohypophysial opioids and oxytocin secretion: source of inhibitory opioids. Bicknell RJ, et al. **Exp Brain Res** 1985; 60(1):192–6

Synergistic activation of rat supraoptic neurosecretory neurons by noxious and hypovolemic stimuli. Shibuki K, et al. **Exp Brain Res** 1986;62(3):572–8

Electrophysiologic evidence for connections between the supraoptic and the arcuate/ventromedial hypothalamic nuclei in the rat. Saphier D, et al. **Exp Neurol** 1986 Jun; 92(3):563–70

Intrinsic membrane properties of magnocellular neurosecretory neurons recorded in vitro. Andrew RD.

Fed Proc 1986 Aug;45(9):2306–11 (34 ref.)
Plasticity in the hypothalamic magnocellular neurosecretory system. Hatton GI. Fed Proc 1986 Aug;45(9):2328–33 (43 ref.)
Calcium–dependent potassium conductance in rat supraoptic nucleus neurosecretory neurons. Bourque CW, et al. J Neurophysiol 1985 Dec;54(6):1375–82
Evidence for excitatory actions of histamine on supraoptic neurons in vitro: mediation by an H1–type receptor. Armstrong WE, et al. Neuroscience 1985 Oct;16(2):307–22
Osmotic stimulation causes structural plasticity of neurone–glia relationships of the oxytocin but not vasopressin secreting neurones in the hypothalamic supraoptic nucleus. Chapman DB, et al. Neuroscience 1986 Mar;17(3):679–86
Systemic angiotensin II, blood pressure and supraoptic neuronal activity. Mitchell LD, et al. Peptides 1985;6 Suppl 1:153–8
[Effect of vasopressin on the cardiovascular system and electric activity of the hypothalamus in rabbits of various ages] Pugach BV. Fiziol Zh 1985 Jul–Aug;31(4):429–33 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Neuronal/glial plasticity in the supraoptic dendritic zone in response to acute and chronic dehydration. Perlmutter LS, et al. Brain Res 1985 Dec 30;361(1–2):225–32

SECRETION

Central release of oxytocin, vasopressin and neurophysin by magnocellular neurone depolarization: evidence in slices of guinea pig and rat hypothalamus. Mason WT, et al. Neuroendocrinology 1986;42(4):311–22

ULTRASTRUCTURE

Ultrastructural and morphometric studies of nonsecretory neurons of the rat supraoptic nucleus. Itoh Y, et al. Acta Anat (Basel) 1986;126(3):153–9
Ultrastructural immunolocalization of vasopressin and neurophysin in neurosecretory cells of dehydrated rats. Whitnall MH, et al. Brain Res 1985 Dec 30;361(1–2):400–4
Dual ultrastructural localization of two neurotransmitter–related antigens: colloidal gold–labeled neurophysin–immunoreactive supraoptic neurons receive peroxidase–labeled glutamate decarboxylase– or gold–labeled GABA–immunoreactive synapses. van den Pol AN. J Neurosci 1985 Nov;5(11):2940–54
Structural plasticity in the hypothalamic supraoptic nucleus at lactation affects oxytocin–, but not vasopressin–secreting neurones. Theodosis DT, et al. Neuroscience 1986 Mar; 17(3):661–78

SUPRASELLAR CYST see **CRANIOPHARYNGIOMA**

SUPROFEN see under **PHENYLPROPIONATES**

SURAL NERVE see under **SPINAL NERVES**

SURAMIN

ADVERSE EFFECTS

Suramin and function of the adrenal cortex [letter] Stein CA, et al. Ann Intern Med 1986 Feb;104(2):286–7
Toxic keratopathy associated with suramin therapy [letter] Teich SA, et al. N Engl J Med 1986 May 29;314(22):1455–6

BLOOD

Determination of suramin in plasma by high–performance liquid chromatography. Edwards G, et al. J Chromatogr 1985 Sep 13;343(1):224–8
Analysis of suramin plasma levels by ion–pair high–performance liquid chromatography under isocratic conditions. Ruprecht RM, et al. J Chromatogr 1986 Jun 13;378(2):498–502
[Pharmacokinetics of antionchocerciasis preparations. 2. The pharmacokinetics of suramin when administered simultaneously with diethylcarbamazine] Lur'e AA, et al. Med Parazitol (Mosk) 1985 Sep–Oct;(5):27–31 (Eng. Abstr.) (Rus)

METABOLISM

Clinical pharmacokinetics of suramin in patients with HTLV–III/LAV infection. Collins JM, et al. J Clin Pharmacol 1986 Jan;26(1):22–6

PHARMACODYNAMICS

Effects of suramin on in vitro HBsAg production by PLC/PRF/5 cells and hepatitis B virus DNA polymerase activity. Kessler HA, et al. AIDS Res 1986 Feb;2(1):63–72
Effects of suramin on the in vivo antimicrobial resistance against Listeria monocytogenes and Mycobacterium bovis (BCG) in mice. Brandely M, et al. Clin Exp Immunol 1986 Jan;63(1):118–26
Islet lysosomal enzyme activities and plasma insulin levels in obese hyperglycemic mice following injection of the lysosomotropic drug suramin. Lundquist I. Diabetes Res 1985 Jul;2(4):207–11
Comparative inhibitory effects of suramin and other selected compounds on the infectivity and replication of human T–cell lymphotropic virus (HTLV–III)/lymphadenopathy–associated virus (LAV). Balzarini J, et al. Int J Cancer 1986 Mar 15;37(3):451–7
Protection of T cells against infectivity and cytopathic effect of HTLV–III in vitro. Mitsuya H, et al. Int Symp Princess Takamatsu Cancer Res Fund 1984; 15:277–88 (49 ref.)
Suramin binds to platelet–derived growth factor and inhibits its biological activity. Hosang M. J Cell Biochem 1985; 29(3):265–73
Suramin inhibits duck hepatitis B virus DNA polymerase activity. Tsiquaye K, et al. J Hepatol 1985;1(6):663–9
The disposition of pyrimethamine in the rat isolated perfused liver: the effect of suramin. Coleman MD, et al. J Pharm Pharmacol 1986 Jul;38(7):531–2
Inhibition of the activities of DNA primase–polymerase alpha complex from KB cells by hexasodium sym–bis(m–aminobenzoyl–m–amino–p–methylbenzoyl–1–naphthylamino–4 ,6,8–trisulfonate)carbamide. Ono K, et al. Nucleic Acids Symp Ser 1985;(16):249–52
Efficient reversion of simian sarcoma virus–transformation and inhibition of growth factor–induced mitogenesis by suramin. Betsholtz C, et al. Proc Natl Acad Sci USA 1986 Sep;83(17):6440–4
Suppression of retroviral propagation and disease by suramin in murine systems. Ruprecht RM, et al. Proc Natl Acad Sci USA 1985 Nov;82(22):7733–7

THERAPEUTIC USE

Suramin antiviral therapy in the acquired immunodeficiency syndrome. Clinical, immunological, and virologic results. Levine AM, et al. Ann Intern Med 1986 Jul;105(1):32–7
Protection of the sleeping sickness trypanosome from chemotherapy by different parts of the brain. Raseroka BH, et al. East Afr Med J 1985 Jul;62(7):452–8
Suramin treatment for AIDS [letter] Busch W, et al. Lancet 1985 Nov 30;2(8466):1247
Suramin/metronidazole combination for African sleeping sickness [letter] Raseroka BH, et al. Lancet 1985 Oct 5; 2(8458):784–5
Suppression of the development of experimental allergic encephalomyelitis by suramin. van der Veen RC, et al. Neuropharmacology 1985 Nov;24(11):1139–42
[Suramin therapy in patients with LAS/AIDS (letter)] Busch W, et al. Dtsch Med Wochenschr 1985 Oct 4;110(40):1552–3 (Ger)

TOXICITY

Evidence that suramin and aurothiomalate are teratogenic in rat by disturbing yolk sac–mediated embryonic protein nutrition. Freeman SJ, et al. Chem Biol Interact 1986 May; 58(2):149–60
The suramin–treated rat as a model of mucopolysaccharidosis: reversibility of biochemical and morphological changes in the liver. Rees S, et al. Virchows Arch [B] 1986;51(3):235–45

SURFACE-ACTIVE AGENTS

see related PULMONARY SURFACTANT

Determination of the critical micelle concentration of surfactants using the fluorescent probe N–phenyl–1–naphthylamine. Brito RM, et al. Anal Biochem 1986 Feb 1;152(2):250–5
Quantitative solubilization of nonhistone chromosomal proteins without denaturation using zwitterionic detergents. Matuo Y, et al. Anal Biochem 1985 Nov 1; 150(2):337–44
Fractionation of membrane proteins by temperature–induced phase separation in Triton X–114. Application to subcellular fractions of the adrenal medulla. Pryde JG, et al. Biochem J 1986 Jan 15;233(2):525–33
Phase behavior and bilayer properties of fatty acids: hydrated 1:1 acid–soaps. Cistola DP, et al. Biochemistry 1986 May 20;25(10):2804–12
Characterization of the solubilization of lipid bilayers by surfactants. Lichtenberg D. Biochim Biophys Acta 1985 Dec 19;821(3):470–8
Extemporaneous preparation of large unilamellar liposomes. Philippot JR, et al. Biochim Biophys Acta 1985 Nov 21; 821(1):79–84
Proteins in membrane mimetic systems. Insertion of myelin basic protein into microemulsion droplets. Chatenay D, et al. Biophys J 1985 Dec;48(6):893–8
A micellar model for the disaggregating effect of detergents on phthalocyanin dyes. Juarranz A, et al. Cell Mol Biol 1985;31(5):379–84
Liquid penetration into tablets containing surfactants. Wan LS, et al. Chem Pharm Bull (Tokyo) 1985 Jun;33(6):2569–74
Magnesium, surfactants, and centrifugal analyzers. Croker J, et al. Clin Chem 1986 Apr;32(4):698
Surfactants and automated analyses. Masson P, et al. Clin Chem 1986 Mar;32(3):559–60
Hydrophilic–lipophilic balance as predictor of mucus coating with barium sulfate. Salomonowitz E, et al. Gastrointest Radiol 1986;11(1):93–6
The role of detergent in labeling of Erysipelothrix rhusiopathiae bacteria. Gerlach GF, et al. Int J Nucl Med Biol 1986;12(6):453–6
Hand asepsis: the efficacy of different soaps in the removal of bacteria from sterile, gloved hands. Gobetti JP, et al. J Am Dent Assoc 1986 Aug;113(2):291–2
Wetting angles of rigid contact lens plastics: the effect of contact lens wear. Poster MG, et al. J Am Optom Assoc 1986 Jun;57(6):452–4
1H–NMR of reverse micelles. I: The surfactant resonances as probes for the AOT/water/isooctane system. De Marco A, et al. J Biochem Biophys Methods 1986 Jun; 12(5–6):325–33
Effect of preventing coprophagy in the rat on neutral detergent fiber digestibility and apparent calcium absorption. Cree TC, et al. J Nutr 1986 Jul;116(7):1204–8
The effect of sodium lauryl sulphate, cetrimide and polysorbate 20 surfactants on complex coacervate volume and droplet size. Duquemin SJ, et al. J Pharm Pharmacol 1985 Oct;37(10):698–702
Effect of nonionic surfactants on aqueous primidone suspensions. Schott H, et al. J Pharm Sci 1985 Sep; 74(9):957–62
The circumstances of working children in a soap factory in Nigeria. Asogwa SE. J Soc Occup Med 1986 Spring; 36(1):32–4
Experimental evaluation of porcine–valved conduits processed with a calcium–retarding agent (T6). Thiene G, et al. J Thorac Cardiovasc Surg 1986 Feb;91(2):215–24
Environmental dermatitis. Contact dermatitis from perfumes in soap. Burry JN. Med J Aust 1986 Aug 4–18;145(3–4):160, 162
The design and synthesis of detergents for membrane biochemistry. Hjelmeland LM. Methods Enzymol 1986; 124:135–64
Variation of Stern–Volmer quenching constants in micellar solution as a function of aqueous or micellar quencher. Gabor G, et al. Photochem Photobiol 1985 Oct;42(4):447–50
Properties of the visual pigments of the moth Manduca sexta and the effects of two detergents, digitonin and chaps. Bennett RR, et al. Vision Res 1985;25(12):1771–81
Activity of non antiseptic soaps and ethanol for hand disinfection. Blech MF, et al. Zentralbl Bakteriol Mikrobiol Hyg [B] 1985 Dec; 181(6):496–512
[Additional comments on the possibilities of using Chloramine B and Dikonit in a mixture with detergents] Kneiflová J. Cesk Epidemiol Mikrobiol Imunol 1986 Feb; 35(1):44–9 (Eng. Abstr.) (Cze)
[Pickering emulsions with antion–cation–tenside emulsifiers] May–Alert G, et al. Pharm Unserer Zeit 1986 Jan;15(1):1–7 (Ger)
[Conformation and reduction–oxidation properties of cytochrome c incorporated into reversed micelles of a surfactant in an organic solvent] Lysko AI, et al. Biofizika 1986 Mar–Apr;31(2):231–6 (Eng. Abstr.) (Rus)
[Characteristics of antigen–antibody interaction in the reversed micelles of surface–active agents in heptane] Eremin AN, et al. Bioorg Khim 1986 May;12(5):606–12 (Eng. Abstr.) (Rus)
[Interaction of micro–dispersed forms of anionites and surface–active agents with serum albumin] Naumova LV, et al. Prikl Biokhim Mikrobiol 1986 May–Jun;22(3):297–301 (Eng. Abstr.) (Rus)

ADMINISTRATION & DOSAGE

[Saturnism caused by skin absorption of a drug] Alleman MH, et al. Schweiz Med Wochenschr 1986 Jun 28; 116(26):888–91 (Eng. Abstr.) (Fre)

ADVERSE EFFECTS

Contact dermatitis to Butin–2–diol 1,4. Baadsgaard O, et al. Contact Dermatitis 1985 Jul;13(1):34
Allergic contact dermatitis from orthobenzyl parachlorophenol in a drinking glass cleaner. Sonnex TS, et al. Contact Dermatitis 1986 Apr;14(4):247–8
Possible adverse reactions to an enzyme–containing washing powder. White IR, et al. Contact Dermatitis 1985 Sep; 13(3):175–9
Allergic reactions to contact lens solutions. Fisher AA. Cutis 1985 Sep;36(3):209–11
Sterile hypopyon secondary to ultrasonic cleaning solution. Richburg FA, et al. J Cataract Refract Surg 1986 May; 12(3):248–51
[Corneal findings in aphakia with contact lenses, contact lens care agents and drugs] Brewitt H. Fortschr Ophthalmol 1985;82(6):512–6 (Eng. Abstr.) (Ger)
[Irritation of the airways following the use of a carpet shampoo] Schmitt HJ. Off Gesundheitswes 1985 Sep; 47(9):458 (Ger)
[Hemorrhagic colitis as a sequela of a soap enema—case report] Porschen R, et al. Z Gastroenterol 1986 Jun; 24(6):302–7 (Eng. Abstr.) (Ger)
[Skin diseases among cable workers exposed to mineral oils (letter)] Aaneland T. Tidsskr Nor Laegeforen 1986 Apr 30; 106(11):974–5 (Nor)
[Hygienic significance of detergents in the modern house] Voloshchenko OI, et al. Gig Sanit 1986 Jan;(1):9–12 (Eng. Abstr.) (Rus)
[Working conditions and health status of workers in the synthetic detergent industry] Kalashnikov AA, et al. Gig Tr Prof Zabol 1986 May;(5):50–1 (Rus)
[Mechanism of the allergenic action of surface–active substances after different routes of entry into the body (review of the literature] Voloshchenko OI, et al.

Vrach Delo 1986 Jul;(7):108–12 (68 ref.) (Rus)

ANALYSIS

What's artificial in artificial tears? Kralian LM. Am J Optom Physiol Opt 1986 Apr;63(4):304–8

Qualitative formaldehyde determination in some Australian commercial cleaning and antiseptic products. Wall LM, et al. Australas J Dermatol 1985 Aug;26(2):77–9

Saponins of pericarps of Chinese Sapindus delavayi (Pyi-shiau-tzu), a source of natural surfactants. Nakayama K, et al. Chem Pharm Bull (Tokyo) 1986 May;34(5):2209–13

Photon correlation spectroscopy of surface active cationic drugs. Atherton AD, et al. J Pharm Pharmacol 1985 Dec; 37(12):854–62

The preparation and properties of niosomes—non-ionic surfactant vesicles. Baillie AJ, et al. J Pharm Pharmacol 1985 Dec;37(12):863–8

Protein–polysaccharide complexes as surfactants. Gurov AN, et al. Nahrung 1986;30(3–4):349–53

A study of molecular interactions in a petrolatum-based gel containing nonionic surfactants. Campigli V, et al. Pharm Acta Helv 1986;61(7):198–204

[Determination of anionic surfactants in water with a high salt content] Yang Y. Chung Hua Yu Fang I Hsueh Tsa Chih 1984 Nov; 18(6):362–3 (Chi)

[Reduction of the transfer of surface active agent residues in food] Helmschrott D, et al. Z Lebensm Unters Forsch 1985 Nov;181(5):422–6 (Eng. Abstr.) (Ger)

[Fishing yield and chemical pollutants in the water of Billings Reservoir, São Paulo (Brazil)] Rocha AA, et al. Rev Saude Publica 1985 Oct;19(5):401–10 (Eng. Abstr.) (Por)

[Photometric method of determination of surface-active agents in the air of mines] Gorskaia RV, et al. Gig Tr Prof Zabol 1986 Jul;(7):54–5 (Rus)

[Determination of henapol and sactone in the internal organs of the cadaver] Fartushnyi AF, et al. Sud Med Ekspert 1985 Jul–Sep;28(3):32–4 (Eng. Abstr.) (Rus)

BLOOD

[Determination of anionic surface-active substances in the blood serum by a colorimetric method] Voloshchenko OI, et al. Gig Sanit 1986 Feb;(2):68–9 (Rus)

CHEMICAL SYNTHESIS

[Solubilization and reconstitution of membrane proteins using new nonionic detergents, heptylthioglucoside and octylthioglucoside] Tsuchiya T, et al. Tanpakushitsu Kakusan Koso 1985 Aug;30(9):1058–66 (Jpn)

DIAGNOSTIC USE

[Validity of a specific bronchial provocation test with proteolytic enzymes in occupational bronchial asthma caused by enzymatic detergents] Paggiaro P, et al. G Ital Med Lav 1984 Sep–Nov;6(5–6):201–4 (Eng. Abstr.) (Ita)

ISOLATION & PURIFICATION

Isolation and characterization of latherin, a surface-active protein from horse sweat. Beeley JG, et al. Biochem J 1986 May 1;235(3):645–50

METABOLISM

Pilot plant production of rhamnolipid biosurfactant by Pseudomonas aeruginosa. Reiling HE, et al. Appl Environ Microbiol 1986 May;51(5):985–9

The release of intralysosomally-stored 125I–Triton WR–1339 and lysosomal enzymes from the isolated perfused rat liver in the presence and absence of cytochalasin B. Michelakakis H, et al. Biochem Pharmacol 1986 Mar 15;35(6):933–8

Universal thermodynamic scale for free energies of excess binding of surfactants, electrolytes and water to different proteins. Chattoraj DK, et al. Indian J Biochem Biophys 1985 Jun;22(3):127–34

Binding of adenovirus and its external proteins to Triton X–114. Dependence on pH. Seth P, et al. J Biol Chem 1985 Nov 25;260(27):14431–4

Membrane–surfactant interactions. The role of surfactant in mitochondrial complex III–phospholipid–Triton X–100 mixed micelles. Valpuesta JM, et al. J Biol Chem 1986 May 15;261(14):6578–84

[Regulation of the catalytic activity of enzymes incorporated into hydrated reversed micelles of a surface-active substance in an organic solvent. A new approach to the study of the inhibiting action of water-insoluble compounds] Kurganov BI, et al. Dokl Akad Nauk SSSR 1985;282(5):1263–7 (Rus)

[Bacterial degradation of alkylbenzosulfonates] Rotmistrov MN, et al. Dokl Akad Nauk SSSR 1986 May–Jun; 288(1):246–8 (Rus)

PHARMACODYNAMICS

Relationship between the rate of detergent-induced hemolysis and blood type. Pazos-Sancu L, et al. Acta Physiol Pharmacol Latinoam 1985;35(1):105–8

Contact lens surface changes after exposure to surfactant and abrasive cleaning procedures. Doell GB, et al. Am J Optom Physiol Opt 1986 Jun;63(6):399–402

Controlled wound repair in guinea pigs, using antimicrobials that alter fibroplasia. Kenyon AJ, et al. Am J Vet Res 1986 Jan;47(1):96–101

Yeast class III gene transcription factors and homologous RNA polymerase III form ternary transcription complexes stable to disruption by N-lauroyl-sarcosine (sarcosyl). Klekamp MS, et al. Arch Biochem Biophys 1986 May 1; 246(2):783–800

Protein blotting through a detergent layer, a simple method for detecting integral membrane proteins separated by SDS-polyacrylamide gel electrophoresis. Ito K, et al. Biochem Biophys Res Commun 1985 Nov 27;133(1):214–21

The effect of anionic detergents on the ATPase activity of isolated F1 from the thermophilic bacterium PS3. Norling B. Biochem Biophys Res Commun 1986 May 14; 136(3):899–905

Dependence of the conformational state of the isolated adenine nucleotide carrier protein on the detergent used for solubilization. Block MR, et al. Biochemistry 1986 Jan 28;25(2):374–9

Stimulation of the thiol-dependent ADP-ribosyltransferase and NAD glycohydrolase activities of Bordetella pertussis toxin by adenine nucleotides, phospholipids, and detergents. Moss J, et al. Biochemistry 1986 May 6; 25(9):2720–5

Triton X–100 induced dissociation of beef heart cytochrome c oxidase into monomers. Robinson NC, et al. Biochemistry 1986 May 6;25(9):2328–35

Effects of detergent on substrate binding and spin state of purified liver microsomal cytochrome P-450LM2 from phenobarbital-treated rabbits. Wagner SL, et al. Biochemistry 1985 Jul 2;24(14):3809–14

Interaction of nonionic detergents with phospholipids in hepatic microsomes at subsolubilizing concentrations as studied by 31P-NMR. Bayerl T, et al. Biochim Biophys Acta 1986 Jun 26;858(2):285–93

Permeability alterations and antihaemolysis induced by amphiphiles in human erythrocytes. Isomaa B, et al. Biochim Biophys Acta 1986 Sep 11;860(3):510–24

Effect of detergent on protein structure. Action of detergents on secondary and oligomeric structures of band 3 from bovine erythrocyte membranes. Moriyama R, et al. Biochim Biophys Acta 1985 Nov 29;832(2):135–41

Charged detergents enhance the activity of phospholipase C (Bacillus cereus) towards micellar short-chain phosphatidylcholine. el-Sayed MY, et al. Biochim Biophys Acta 1985 Sep 20;831(1):133–41

Ciliary membrane tubulin and associated proteins: a complex stable to Triton X–114 dissociation. Stephens RE. Biochim Biophys Acta 1985 Dec 19;821(3):413–9

Reconstitution of glucose transport activity from erythrocyte membranes without detergent and its use in studying effects of ATP depletion. Wheeler TJ. Biochim Biophys Acta 1986 Jul 24;859(2):180–8

Effects of detergents and phospholipids on the pyridine nucleotide–independent aldehyde dehydrogenase from membranes of Acetobacter rancens. Hommel R, et al. Biomed Biochim Acta 1985;44(9):1315–20

Effects of an amphoteric surfactant on the skin barrier: an in vivo electro-physiological study. Borroni G, et al. Br J Dermatol 1986 Aug;115 Suppl 31:138–41

Effect of phospholipids and detergents on transitions and equilibrium between the bleaching intermediates of rhodopsin. Motoyama H, et al. Can J Biochem Cell Biol 1985 Nov;63(11):1152–9

Inhibition of surface immunoglobulin capping on mouse splenic lymphocytes by cetyltrimethylammonium bromide. Paatero GI, et al. Cell Mol Biol 1986;32(1):79–85

Effects of a cationic surfactant on the rate of alkaline hydrolysis of p-substituted benzenesulfonyl fluorides. Ifudu ND, et al. Chem Pharm Bull (Tokyo) 1985 Apr;33(4):1592–8

Pancreatic exocrine secretion in response to intraduodenal infusion of different detergent agents in anesthetized cats. Gries E, et al. Digestion 1986;34(2):61–7

Effect of different saline, alkaline salts, fertilizers, and surfactants on the movement of some phosphorus-containing pesticides in soils. Sharma SR, et al. Ecotoxicol Environ Safety 1985 Dec;10(3):339–50

Assay of mannose-6-phosphatase in untreated and detergent-disrupted rat-liver microsomes for assessment of integrity of microsomal preparations. Vanstapel F, et al. Eur J Biochem 1986 Apr 1;156(1):73–7

Surfactant-induced alterations of permeability of rabbit oral mucosa in vitro. Siegel IA, et al. Exp Mol Pathol 1986 Apr;44(2):132–7

Percutaneous absorption of piketoprofen in rabbits: effect of nonionic surface-active agents. Fabregas JL, et al. Farmaco [Prat] 1986 May;41(5):177–83

Effects of nonionic detergents on mycobacteriophage Bo 20 and some characterization of the phage adsorption to Mycobacterium diernhoferi. Saito H, et al. Hiroshima J Med Sci 1985 Sep;34(3):297–302

Stimulation & leakage of phospholipase A of Escherichia coli K12 by bile salts & chemical surfactants. Hashia R, et al. Indian J Med Res 1986 Jan;83:1–5

Effects of immunological adjuvants on the mouse complement system—II. Anti-complementary effects of surface-active compounds. Klerx JP, et al. Int J Immunopharmacol 1986;8(1):47–52

Determination of hydrophobicity on bacterial surfaces by nonionic surfactants. Noda Y, et al. J Bacteriol 1986 Sep; 167(3):1016–9

Mitochondrial H+–ATPase activation by an amine oxide detergent. Vázquez-Laslop N, et al. J Biol Chem 1986 Jun 15;261(17):7807–10

Regulation of beta-D-galactoside alpha 2——3 sialyltransferase activity. The effects of detergents and lysophosphatidates. Westcott KR, et al. J Biol Chem 1985 Oct 25;260(24):13109–15

A detergent-activated tyrosinase from Xenopus laevis. II. Detergent activation and binding. Wittenberg C, et al. J Biol Chem 1985 Oct 15;260(23):12542–6

A detergent-activated tyrosinase from Xenopus laevis. I. Purification and partial characterization. Wittenberg C, et al. J Biol Chem 1985 Oct 15;260(23):12535–41

Simplified lysed-blood culture technique. Zierdt CH. J Clin Microbiol 1986 Mar;23(3):452–5

Postthaw survival and fertility of frozen bull spermatozoa treated with antibiotics and detergent. Ahmad K, et al. J Dairy Sci 1986 Feb;69(2):535–41

The effect of skin cleansing agents on ethanol results measured with the Du Pont automatic clinical analyzer. Ryder KW, et al. J Forensic Sci 1986 Apr;31(2):574–9

A comparison between a detergent baby bath additive and baby soap on the skin flora of neonates. Cowan ME, et al. J Hosp Infect 1986 Jan;7(1):91–5

The binding of calcium to detergent-extracted rabbit psoas muscle fibres during relaxation and force generation. Fuchs F. J Muscle Res Cell Motil 1985 Aug;6(4):477–86

Ultrastructural and X-ray microanalytical studies of EGTA- and detergent-treated heart muscle. Miller DJ, et al. J Muscle Res Cell Motil 1985 Oct;6(5):525–40

The contractile behaviour of EGTA- and detergent-treated heart muscle. Miller DJ, et al. J Muscle Res Cell Motil 1985 Oct;6(5):541–67

Effects of protein-free surfactant [letter] Brown GW. J Pediatr 1986 Sep;109(3):562

Contribution of calcium ion sequestration by polyoxyethylated nonionic surfactants to the enhanced colonic absorption of p-aminobenzoic acid. Sakai K, et al. J Pharm Sci 1986 Apr;75(4):387–90

Evaluation of penetration enhancement of lidocaine by nonionic surfactants through hairless mouse skin in vitro. Sarpotdar PP, et al. J Pharm Sci 1986 Feb;75(2):176–81

Effect of synthetic surfactants on drug absorption in the presence of a physiologic surfactant, sodium taurocholate, in rats. Kimura T, et al. J Pharmacobiodyn 1985 Aug; 8(8):661–8

Improvement of bioavailability of poorly absorbed drugs. V. Effect of surfactants on the promoting effect of medium chain glyceride for the rectal absorption of beta-lactam antibiotics in rats and dogs. Sekine M, et al. J Pharmacobiodyn 1985 Aug;8(8):653–60

Effects of detergents on sodium transport in toad urinary bladder. Li JH, et al. J Pharmacol Exp Ther 1986 Aug; 238(2):415–21

Effect of a benzoic acid–detergent germicide on denture-borne Candida albicans. Lambert JP, et al. J Prosthet Dent 1986 Jun;55(6):699–700

Disinfection for HTLV-III: halogenated soaps [letter] Schuster M, et al. JAMA 1986 May 2;255(17):2290–1

The effects of detergent on the contractility and ultrastructure of frog skeletal muscle. Yoshioka T, et al. Jpn J Physiol 1986;36(2):379–90

Improved detection of terminal transferase (TdT): the use of detergents on glutaraldehyde-fixed non-dehydrated cells prevents denaturation and diffusion artifacts. Kranz BR, et al. Leuk Res 1986;10(8):1041–9

Hypolipidemic activity of the surfactants aminimides, and their effects on lipid metabolism of rodents. Hall IH, et al. Lipids 1985 Oct;20(10):685–92

Change of substrate specificity of rat liver microsomal fatty acyl-CoA synthetase activity by Triton X–100. Nagamatsu K, et al. Lipids 1986 May;21(5):328–32

The use of gastric ultrasonography in the evaluation of a new antiflatulent preparation in human volunteers. Simón A, et al. Methods Find Exp Clin Pharmacol 1985 Jul; 7(7):393–8

Genotoxicity assay of oil dispersants in bacteria (mutation, differential lethality, SOS DNA-repair) and yeast (mitotic crossing-over). De Flora S, et al. Mutat Res 1985 Oct–Nov; 158(1–2):19–30

Atrial muscarinic receptors: effect of Triton X–100 on guanine nucleotide and ammonium ion modulation. Aguilar JS, et al. Neurochem Res 1986 Mar;11(3):437–51

Ablation of myenteric neurons by chemicals with surfactant properties. Bass P, et al. Nippon Heikatsukin Gakkai Zasshi 1985 Jul;21 Suppl:67–8

Antigen stripping from the nematode epicuticle using the cationic detergent cetyltrimethylammonium bromide (CTAB). Pritchard DI, et al. Parasite Immunol 1985 Nov; 7(6):575–85

Effect of certain additives on the diffusion characteristics through a cellophane membrane of acetylsalicylic acid, salicylamide and phenacetin. Part 1: Effect of certain surface active agents. el-Sourady HA, et al. Pharmazie 1985 Aug;40(8):557–8

Detergents as selective inhibitors and inactivators of enzymes. Vincenzini MT, et al. Physiol Chem Phys Med NMR 1985;17(3):279–95

The adjuvant activity of nonionic block polymer surfactants. III. Characterization of selected biologically active

surfaces. Hunter RL, et al. **Scand J Immunol** 1986 Mar; 23(3):287–300

Inactivation of viruses in labile blood derivatives. I. Disruption of lipid–enveloped viruses by tri(n–butyl)phosphate detergent combinations. Horowitz B, et al. **Transfusion** 1985 Nov–Dec;25(6):516–22

Effect of surfactants on weight gain in mice. Kaneene JB, et al. **Vet Res Commun** 1986 Mar;10(2):157–64

[Pharmacology of radix Platycodi] Duan ZY. **Chung Yao Tung Pao** 1985 Aug;10(8):44–5 (Chi)

[Interaction of disinfectants with cleansing products] Maris P. **Ann Pharm Fr** 1985;43(4):379–88 (Eng. Abstr.) (Fre)

[Anionic detergents, natural and synthetic, as selective denaturants of various dehydrogenases] Favilli F, et al. **C R Soc Biol (Paris)** 1985;179(3):307–15 (Eng. Abstr.) (Fre)

[Effect of a synthetic detergent (Syndet) on the pH of the skin of infants] Braun F, et al. **Hautarzt** 1986 Jun; 37(6):329–34 (Eng. Abstr.) (Ger)

[Changes in the pharmaceutical and biological availability of aminophylline from suppositories containing non–ionogenic surface–active agents after a year of storage] Bartkowicz S, et al. **Acta Pol Pharm** 1985;42(2):165–71 (Eng. Abstr.) (Pol)

[Effect of cationic polymers and surface–active substances on bacterial resistance to kanamycin] Kutsenko NN, et al. **Antibiot Med Biotekhnol** 1986 Jun;31(6):422–6 (Eng. Abstr.) (Rus)

[Effect of the agitation intensity and concentration of surface–active substances on the rate of oxygen sorption by a model sulfite–albumin medium] Vorob'eva GS, et al. **Antibiot Med Biotekhnol** 1985 Jul;30(7):521–5 (Eng. Abstr.) (Rus)

[Solubilization of glycoproteins from enveloped viruses by detergents] Berezin VE, et al. **Biokhimiia** 1986 May; 51(5):808–15 (Eng. Abstr.) (Rus)

[Reconstruction of a membrane monooxygenase cytochrome P 450–containing system in the liver using detergents in solution] Kanaeva IP, et al. **Biokhimiia** 1985 Aug; 50(8):1382–8 (Eng. Abstr.) (Rus)

[Mechanism of the activating effect of detergents and chelating agents on the Na, K–ATPase activity of erythrocyte ghosts] Kazennov AM, et al. **Biokhimiia** 1986 Feb;51(2):224–9 (Eng. Abstr.) (Rus)

[Activation of pancreatic lipase by detergents. III. Oligomerization of the enzyme] Mishin AA, et al. **Bioorg Khim** 1985 Aug;11(8):1074–9 (Eng. Abstr.) (Rus)

[Isolation and characteristics of Saccharomyces cerevisiae strains with increased sensitivity to detergents] Sarsenova SZh, et al. **Genetika** 1986 Jul;22(7):1104–11 (Eng. Abstr.) (Rus)

[Resorption of Pu–238 in acid solutions after skin contamination and the effectiveness of its inactivation] Bazhin AG. **Gig Sanit** 1985 Sep;(9):85–8 (Rus)

[Sanitary microbiological assessment of the barrier function of modern water supply treatment installations in the case of hydrosphere pollution by surface–active substances] Il'in IE. **Gig Sanit** 1985 Dec;(12):10–3 (Eng. Abstr.) (Rus)

[Effect of surface–active substances on lipid metabolism in white rats] Mozhaev EA, et al. **Gig Sanit** 1986 Feb;(2):85 (Rus)

[Effect of cleansing agents on the detection of individual serum proteins in blood stains] Vagina NN. **Sud Med Ekspert** 1986 Jan–Mar;29(1):32–3 (Eng. Abstr.) (Rus)

[Characteristics of the subvirion components formed after the treatment of Machupo virus with a nonionic detergent] Lukashevich IS, et al. **Vopr Virusol** 1985 Jul–Aug; 30(4):457–63 (Eng. Abstr.) (Rus)

[Ultrastructural organization of liposomes and isolated glycoproteins of enveloped viruses obtained by using the nonionic detergent MESK] Miller GG, et al. **Vopr Virusol** 1985 May–Jun;30(3):313–21 (Eng. Abstr.) (Rus)

[Effect of detergents on the hemagglutinating activity of different strains of tick–borne encephalitis virus] Ostrovskaia OV, et al. **Vopr Virusol** 1985 Jul–Aug; 30(4):437–40 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Human tears inhibit the coating of proteins to solid phase surfaces. Boonstra A, et al. **Curr Eye Res** 1985 Nov; 4(11):1137–44

POISONING

Acute Pinesol toxicity in a domestic cat. Rousseaux CG, et al. **Vet Hum Toxicol** 1986 Aug;28(4):316–7

THERAPEUTIC USE

Handwashing: soap or disinfectant? Field EA, et al. **Br Dent J** 1986 Apr 19;160(8):278–80

Use of soap in the management of atopic dermatitis. Uehara M, et al. **Clin Exp Dermatol** 1985 Sep;10(5):419–25

Efficacy of Alpha Keri after showering for treatment of xerosis. Wehr R, et al. **Cutis** 1986 May;37(5):384–5

Topical surfactant therapy for recurrent herpes simplex infection [letter] Gold D, et al. **Lancet** 1986 Aug 2; 2(8501):283

Controlled trial of 'InterVir–A' in herpes simplex virus infection. Goldberg CB. **Lancet** 1986 Mar 29;1(8483):703–6

[The treatment of dry eye with Lacrisert] Cordonnier M, et al. **Bull Soc Belge Ophtalmol** 1984–85;212:65–9 (Eng. Abstr.) (Fre)

[Therapy of the dry eye] Jaeger W. **Fortschr Ophthalmol** 1986;83(1):126–7 (Eng. Abstr.) (Ger)

TOXICITY

Evaluation of metabolic responses of Artemia salina to oil and oil dispersant as a potential indicator of toxicant stress. Verriopoulos G, et al. **Bull Environ Contam Toxicol** 1986 Mar;36(3):444–51

The effects of toxicants on the haematology of Labeo umbratus (Teleostei: Cyprinidae). van Vuren JH. **Comp Biochem Physiol [C]** 1986;83(1):155–9

Pathomorphological changes in gills of fish fingerlings (Cirrhina mrigala) by linear alkyl benzene sulfonate. Misra V, et al. **Ecotoxicol Environ Safety** 1985 Dec;10(3):302–8

Subchronic oral toxicity testing in rats with a liquid hand–dishwashing detergent containing anionic surfactants. Scailteur V, et al. **Food Chem Toxicol** 1986 Feb; 24(2):175–81

[In vivo effects of triton WR 1339 on plasma lipoproteins and the postheparin activity of lipoprotein lipase and liver triglyceride lipase (triton hyperlipidemia in rabbits)] Kiriakov A, et al. **Eksp Med Morfol** 1985;24(4):56–62 (Eng. Abstr.) (Bul)

[Hygienic standards for the non–ionogenic surfactants prevocel NG–12 and prevocel WOFP–100–NF in the water of water bodies] Mukhametshin ZA. **Gig Sanit** 1985 Nov;(11):73–4 (Rus)

SURFACE ANTIGENS see **ANTIGENS, SURFACE**

SURFACE MARKERS, IMMUNOLOGICAL see **ANTIGENS, SURFACE**

SURFACE PROPERTIES

Adhesion of cultured mammalian central nervous system neurons to flame–modified hydrophobic surfaces. Lucas JH, et al. **In Vitro Cell Dev Biol** 1986 Jan;22(1):37–43

SURFACE TENSION

Determination of the surface tension of various species of erythrocytes by means of the solidification front technique. Absolom DR, et al. **Cell Biophys** 1985 Dec;7(4):267–81

SURFACTANT, PULMONARY see **PULMONARY SURFACTANT**

SURFACTANTS see **SURFACE–ACTIVE AGENTS**

SURGERY

Surgical considerations in the diagnosis and management of AIDS. Lotze MT. **AIDS Res** 1986 Spring;2(2):141–8

Clinical anaesthetic knowledge amongst surgical house staff. Carnie J, et al. **Anaesthesia** 1985 Nov;40(11):1114–7

Emergency medicine and surgery resident roles on the trauma team: a difference of opinion. Slagel SA, et al. **Ann Emerg Med** 1986 Jan;15(1):28–32

Student attitudes about medical care and choice of a career in surgery. Linn BS, et al. **Ann Surg** 1985 Nov;202(5):600–6

Incorrect counts; surgeon's negligence does not absolve nurses from liability. Murphy EK. **AORN J** 1986 Apr; 43(4):918–24

Making the new surgeon feel welcome. Staron V. **AORN J** 1985 Sep;42(3):402–4

On preventing an unnecessary confrontation [editorial] Stegman SJ. **Arch Dermatol** 1986 Feb;122(2):164–5

Steroids: a surgeon's view. Smith JA. **Arch Emerg Med** 1985 Sep;2(3):131–6 (27 ref.)

Clinical surgeons who write: pride, prejudice, and responsibility. Adson MA. **Arch Surg** 1986 May; 121(5):509–14

Surgical critical care [editorial] Griffen WO Jr. **Arch Surg** 1986 Sep;121(9):991

Surgical oncology in university departments of surgery in the United States. Lawrence W Jr, et al. **Arch Surg** 1986 Sep;121(9):1088–93

Who is captain of the anesthesia ship? [editorial] Modell JH. **Arch Surg** 1986 Jul;121(7):753

The College, surgical research, and the journal [editorial] Bennett RC. **Aust NZ J Surg** 1986 Aug;56(8):605–6

Colorectal cancer: knowledge and attitude of surgeons in New Zealand. Isbister WH, et al. **Aust NZ J Surg** 1986 May;56(5):399–403

The general surgeon. Irving M. **Br Med J [Clin Res]** 1986 Mar 15;292(6522):741–2

Radiation exposure and the surgeon [letter] Thurlow W. **Can J Surg** 1986 Jan;29(1):9

Tone in the operating room. Leighton KM. **Can Med Assoc J** 1986 Sep 1;135(5):443–4

Relationship between disruption of rhythmicity and reentrainment in surgical patients. Farr LA, et al. **Chronobiologia** 1986 Apr–Jun;13(2):105–13

Native American surgeon: my story. Dye SK. **Curr Surg** 1986 May–Jun;43(3):187–9

On the nature of minority residents in surgical training programs. Organ CH Jr. **Curr Surg** 1986 May–Jun; 43(3):183–5

Hispanics in surgery. Pestana C. **Curr Surg** 1986 May–Jun; 43(3):186–7

The law: equal opportunity and affirmative action. Pories WJ. **Curr Surg** 1986 May–Jun;43(3):181–3

Stress in the life of surgeons. Ogilvie BC. **Instr Course Lect** 1983;32:18–32

Why would a girl go into surgery? [editorial] **J Am Med Wom Assoc** 1986 Mar–Apr;41(2):58–60

Adaptation during surgical stress. A reevaluation of the role of glucocorticoids. Udelsman R, et al. **J Clin Invest** 1986 Apr;77(4):1377–81

General surgery—a shrinking specialty [letter] Bhattacharyya R. **J Indian Med Assoc** 1985 Sep;83(9):326–7

Ethics and communication in the surgeon–patient relationship. Wertheimer MD, et al. **J Med Educ** 1985 Oct; 60(10):804–6

The role of the veterinary surgeon in the small stock industry. van Rooyen PW. **J S Afr Vet Assoc** 1984 Mar;55(1):9–10

The surgeon and chemotherapy: twenty five years personal experience. Burn I. **J Surg Oncol** 1985 Dec;30(4):240–4

Surgical oncology—theory and practice. Raven RW. **J Surg Oncol** 1985 Nov;30(3):145–8

The academic surgeon as a clinical investigator. Balch CM. **J Surg Res** 1986 May;40(5):413–20

The Archives of Surgery, New England Surgical Society, and JAMA [editorial] Baue AE. **JAMA** 1986 Apr 25; 255(16):2210–1

Transmission of hepatitis B with resultant restriction of surgical practice. Lettau LA, et al. **JAMA** 1986 Feb 21; 255(7):934–7

Hand grip strength—a simple prognostic indicator in surgical patients. Hunt DR, et al. **JPEN J Parenter Enteral Nutr** 1985 Nov–Dec;9(6):701–4

The diagnosis and treatment of obstructive jaundice. A diminishing role for the surgeon. Askew AR. **Med J Aust** 1986 Jun 9;144(12):638–40

MMIE malpractice claim review. General surgery. MMIE Risk Management Committee. **Minn Med** 1986 Feb;69(2):93

More on AIDS in a surgeon [letter] Mascioli SR. **N Engl J Med** 1986 May 1;314(18):1190

AIDS in a surgeon [letter] Sacks JJ. **N Engl J Med** 1985 Oct 17;313(16):1017–8

Rings in operating theatres [letter] Dewan PA, et al. **NZ Med J** 1985 Dec 25;98(793):1094

Litigiosity. Goodman RS. **Orthopedics** 1985 Feb;8(2):177

The training and role of the surgeon in the intensive care unit. Walt AJ. **Surg Clin North Am** 1985 Aug;65(4):753–62

New one handed ties including the surgeon's knot. Lee GH. **Surg Gynecol Obstet** 1986 Jul;163(1):70–2

The emergence of a surgical education society. Lawrence PF. **Surgery** 1986 Jul;100(1):68–71

Presidential address: academic surgery—points of view. Nyhus LM. **Surgery** 1985 Oct;98(4):619–24

Tropical (surgical) gastroenterology? [editorial] **Trop Gastroenterol** 1985 Jul–Sep;6(3):117–8

[An overview of publishing activity 1982–1985] Pavlanský R, et al. **Acta Chir Orthop Traumatol Cech** 1986 Feb; 53(1):1–4 (Cze)

[Physicians Without Frontiers in Chad (letter)] **Ned Tijdschr Geneeskd** 1986 Feb 1;130(5):228–9 (Dut)

[Varices. A decade of collaboration between dermatologists and surgeons: the Alkmaar project] Oosterwal SH, et al. **Phlebologie** 1986 Jan–Mar;39(1):25–33 (Eng. Abstr.) (Fre)

[Acupuncture in a surgical practice] Morier–Genoud J. **Rev Med Suisse Romande** 1986 Feb;106(2):129–30 (Fre)

[Experiences with wrist endoprostheses in chronic polyarthritis] Neumann HW, et al. **Beitr Orthop Traumatol** 1986 Jun;33(6):302–8 (Eng. Abstr.) (Ger)

[Should the patient turn to the surgeon or the surgeon seek the patient (editorial)] Deutsch AA, et al. **Harefuah** 1986 Mar 2;110(5):267–8 (Heb)

[Biology and surgery: a team of disciplines or merely two disciplines? (1)] Marini F, et al. **Chir Ital** 1985 Dec; 37(6):594–604 (Eng. Abstr.) (Ita)

[The risks in surgery on the elderly and their protection (letter)] **Minerva Med** 1985 Dec 15;76(47–48):2231–9 (Ita)

[Graduate medical education for surgeons] Kawaguchi K. **Nippon Geka Gakkai Zasshi** 1985 Dec;86(12):1563–8 (Jpn)

[Iatrogenic errors in the examination and treatment of children with surgical diseases] Akzhigitov GN, et al. **Khirurgiia (Mosk)** 1985 Jul;(7):120–4 (Rus)

ECONOMICS

Surgonomics: prospective payment systems and the surgeon. Muñoz E, et al. **Curr Surg** 1986 Jan–Feb;43(1):4–20

Selling surgery. Margo CE. **N Engl J Med** 1986 Jun 12; 314(24):1575–6

EDUCATION

Training resident physicians in fiberoptic sigmoidoscopy. How many supervised examinations are required to achieve competence? Hawes R, et al. **Am J Med** 1986 Mar; 80(3):465–70

Edgar J. Poth lecture. Changing prospects for the new surgical resident. Wangensteen SL. **Am J Surg** 1985 Dec; 150(6):650–4

Surgical endoscopy training in a university program. Dasmahapatra KS, et al. **Am Surg** 1986 Jun;52(6):287–90

Can success in the surgical residency be predicted from preresidency evaluation? Kron IL, et al. **Ann Surg** 1985 Dec;202(6):694–5

Medical students. Orientation to the operating room. Peirce SB. **AORN J** 1986 Jan;43(1):209–11, 213

The value of research in training—a personal view. Clunie GJ. **Aust NZ J Surg** 1986 Aug;56(8):607–8

Specialization in general surgery [editorial] Ham JM. **Aust NZ J Surg** 1986 May;56(5):385–6

The relevance of academic input into surgical training [editorial] Hill GL. **Aust NZ J Surg** 1986 Mar;56(3):187–8

Craft workshops in surgery. Bevan PG. **Br J Surg** 1986 Jan; 73(1):1–2

Simulation in surgical training using freeze dried material. Stotter AT, et al. **Br J Surg** 1986 Jan;73(1):52–4

Symposium on surgical manpower in the smaller community. Training and continuing medical education requirements for practice in the small community. O'Brien EG. **Can J Surg** 1986 May;29(3):171–2

So you wanted to do surgery and they keep talking about research: a discussion for the surgical resident and intern. Strasberg SM. **Can J Surg** 1986 Jan;29(1):64–8

A survey of successful FFARACS candidates in Australasia. Byth PL, et al. **Crit Care Med** 1986 Jun;14(6):583–6

Funding of graduate medical education: perspective of a surgical educator. Moody FG. **Curr Surg** 1986 Jul–Aug; 43(4):271–4

The canine laboratory in the training of the oncology fellow. Christopherson WA, et al. **Gynecol Oncol** 1986 Jan; 23(1):26–34

Surgery in mass casualty and disaster medicine teaching in Switzerland [letter] Rossetti M, et al. **Int Surg** 1986 Jan–Mar;71(1):62–3

Surgical practice and perceived training needs of selected Ohio family physicians. Weddington WH, et al. **J Fam Pract** 1986 Sep;23(3):247–52

The clinical education of medical students: a perspective from surgery. Lawrence PF. **J Med Educ** 1986 Sep;61(9 Pt 2):67–74

The development and validation of a standardized in-training examination for pediatric surgery. Mahour GH, et al. **J Pediatr Surg** 1986 Feb;21(2):154–7

Field articulation testing: a predictor of technical skills in surgical residents. Gibbons RD, et al. **J Surg Res** 1986 Jul; 41(1):53–7

Residents' experience in the surgery of trauma. Grasberger RC, et al. **J Trauma** 1986 Sep;26(9):848–50

The American College of Surgeons and surgical education. Longmire WP Jr. **Jpn J Surg** 1985 Sep;15(5):327–32

Education of the laser surgeon. Baggish MS. **Lasers Surg Med** 1985;5(5):485–9

Surgical dressers: the theatre experience of junior clinical students. Lockwood DN, et al. **Med Educ** 1986 May; 20(3):216–21

The way we teach information-seeking skills. DaRosa DA, et al. **Med Teach** 1985;7(3–4):297–300

The training of surgeons in New Zealand. Sorrell VF. **NZ Med J** 1986 Aug 27;99(808):623–4

Resident and faculty differences in student evaluations: implications for changes in a clerkship grading system. Carline JD, et al. **Surgery** 1986 Jul;100(1):89–94

A multidisciplinary surgery clerkship: ten-year experience. Folse R, et al. **Surgery** 1986 Feb;99(2):178–83

Career development of residents in university and independent training programs: the influence of special training fellowships, type of practice, specialization, and research. Greco RS, et al. **Surgery** 1986 Aug;100(2):312–20

Impact of changes in the health care delivery system on medical education: surgical curriculum planning. Imbembo AL. **Surgery** 1986 Jul;100(1):72–6

Clerkship site and duration: do they influence student performance? Jacobson MJ, et al. **Surgery** 1986 Aug; 100(2):306–11

Effect of prior clinical experience on students' knowledge and performance in surgery. Stillman RM. **Surgery** 1986 Jul;100(1):77–82

[Record-keeping obligation of a resident performing surgery without supervision] Kern BR. **Chirurg** 1986 Feb;57(2):111 (Ger)

[Thoughts on the process of specializing in general surgery] Picard G, et al. **Ther Umsch** 1986 Jun;43(6):481–4 (Eng. Abstr.) (Ger)

[Uniformity of the teaching of accident surgery in graduate and postgraduate medical education, as well as in the training of medical specialists] Manninger J, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1985; 28(4):259–61 (Eng. Abstr.) (Hun)

[Specialist education and competence for emergency surgical duty in the Scandinavian countries] Haffner J, et al. **Nord Med** 1986;101(2):58–61 (Eng. Abstr.) (Nor)

[Experience in training surgical interns] Kozlov IZ, et al. **Khirurgiia (Mosk)** 1986 Apr;(4):98–102 (Rus)

[Pedagogical analysis of the surgery curriculum at the School for Graduate Training of Physicians] Chernobrovyi NP, et al. **Klin Khir** 1986;(5):53–4 (Rus)

[Methods of improving the training of surgeons-interns in accordance with the requirements of the new program] Kharaberiush VA, et al. **Klin Khir** 1986;(4):47–8 (Rus)

[Teaching students to render emergency surgical services in a rural medical dispensary] Mil'kov BO, et al. **Klin Khir** 1986;(4):46 (Rus)

[Experience in the teaching of surgical disease subjects according to a new program] Mokhniuk IuN, et al. **Klin Khir** 1986;(5):49–50 (Rus)

[Shaping of the humanistic and moral aspects of the medical activities of students in the surgery department] Zakordonets AA, et al. **Klin Khir** 1985;(11):41–4 (Rus)

[Integration of the teaching goals in a department of traumatology, orthopedics and military field surgery] Gorshkov SZ, et al. **Ortop Travmatol Protez** 1985 Dec; (12):53–5 (Rus)

[Optimizing the preparation of physicians for military field surgery using training algorhythms] Naumov LB, et al. **Ortop Travmatol Protez** 1985 Jul;(7):70–2 (Rus)

[Optimal methods of advanced training of surgeons] Kuleshov EV. **Sov Med** 1985;(9):56–60 (Rus)

[Mathematical analysis of the results of test-based examinations in surgery courses] Seferovskiĭ LE, et al. **Sov Med** 1986;(4):74–7 (Rus)

[Role of mobile cycles of advanced training of surgeons in the development of specialized surgical services] Nikishin VK, et al. **Vestn Khir** 1985 Jun;134(6):142–4 (Rus)

[The role of the Leningrad Medical Institute for Postgraduate Training of Physicians in the training of surgical specialists] Simbirtsev SA. **Vestn Khir** 1985 Jun;134(6):8–11 (Eng. Abstr.) (Rus)

[Organizational problems in training surgeons in microsurgery at the Institute for Advanced Training of Physicians] Simbirtsev SA, et al. **Vestn Khir** 1985 Oct; 135(10):127–9 (Rus)

[The surgeons of the Leningrad Medical Institute for Postgraduate Training of Physicians in the past 100 years] Zinevich VP. **Vestn Khir** 1985 Jun;134(6):12–6 (Eng. Abstr.) (Rus)

[Military orientation in the training of students in the surgical departments of a medical institute] Anisimov VN, et al. **Voen Med Zh** 1986 Apr;(4):12–4 (Rus)

[Optimal ways of teaching military surgery and military therapeutics at a medical institute] Kurakin LN, et al. **Voen Med Zh** 1986 Jun;(6):19–22 (Rus)

[Internship training of surgeons in medical district hospitals] Vasin VI, et al. **Voen Med Zh** 1986 Feb;(2):9–11 (Rus)

HISTORY

Reflections on gastrointestinal surgery. Jones RS. **Am J Surg** 1986 Jan;151(1):6–11

The interlocking of American surgery. An analysis of surgical leadership in the United States, 1945 through 1985. Organ CH Jr. **Am J Surg** 1985 Dec;150(6):638–49

From Mayo to Kirklin: riding on Bigelow's coattails. Welch CE. **Am J Surg** 1986 Sep;152(3):245–51

Julian John Chisolm, M.D. Confederate surgeon. Sherman R. **Am Surg** 1986 Jan;52(1):1–8

From the history of anesthesia in military surgery [letter] Tverskoy M. **Anesthesiology** 1986 May;64(5):661

Lord Lister—the great Victorian. Nanson EM. **Aust NZ J Surg** 1986 Jul;56(7):591–9

Surgical drainage: an historical perspective. Robinson JO. **Br J Surg** 1986 Jun;73(6):422–6

Operation drawings of Dame Barbara Hepworth. Bowness P. **Br Med J [Clin Res]** 1985 Dec 21–28;291(6511):1788–9

European Society for Surgical Research. Bénichoux R. **Eur Surg Res** 1986;18(3–4):139–44

History of the Department of Surgery at the University of Arkansas. Campbell GS. **J Arkansas Med Soc** 1986 May; 82(12):579–90

A Confederate hospital. Surgeon John Patterson and the Clayton during the Atlanta Campaign, 1864. Davis S. **J Med Assoc Ga** 1986 Jan;75(1):15–24

The first of the best. Randolph J. **J Pediatr Surg** 1985 Dec; 20(6):580–91 (Eng, Eng)

Mitchiner Memorial Lecture. Military surgery, our debt to our patients and predecessors. Rob CG. **J R Army Med Corps** 1986 Feb;132(1):11–5

Readers of anatomy at the Barber-Surgeons' Company in the Tudor period. Buckland-Wright JC. **J R Soc Med** 1985 Oct;78(10):802–11

Marcus Beck Library: who was Marcus Beck? Sakula A. **J R Soc Med** 1985 Dec;78(12):1047–9

Some forgotten contributions of naval surgeons. Watt J. **J R Soc Med** 1985 Sep;78(9):753–62

A Compendium of Operative Surgery. Leland TM. **J SC Med Assoc** 1986 Jan;82(1):45

The Agnew Clinic, 1889, American. Oil on canvas. Southgate MT. **JAMA** 1986 May 23–30;255(20):2713

Hog Lane surgery (Ophthalmic Hospital, Canton, China). Key JD, et al. **Minn Med** 1986 May;69(5):283–91

The role of the Dutch in the introduction of Western surgery in feudal Japan. van Gulik TM. **Neth J Surg** 1985 Dec; 37(6):161–6

Dr Widger's war. A photographic history of the 41st Portable Surgical Hospital 1943–1945. Fox DM. **NY State J Med** 1986 Jan;86(1):10–4

Halifax and the precipitate birth of pediatric surgery. Goldbloom RB. **Pediatrics** 1986 May;77(5):764

Bernard and Huette: Operative Medicine. Goldwyn RM. **Plast Reconstr Surg** 1986 Jul;78(1):115–6

The contribution of Robert Lawson Tait to the development of abdominal surgery. Shepherd JA. **Surg Annu** 1986; 18:339–49

Harvey Cushing and the evolution of a polymath. Tilney NL. **Surg Gynecol Obstet** 1986 Mar;162(3):285–90

William Cowper. Buckman RF Jr, et al. **Surgery** 1986 May; 99(5):582–90

The history of surgical advances in the past fifty years. By W. W. Keen. 1926. **Trans Stud Coll Physicians Phila** 1985 Sep;7(3):217–20

Doctor Bethune served the people. Ferguson RK. **West J Med** 1986 Jul;145(1):128–30

[40 years of Czechoslovak surgery] Procházka J. **Rozhl Chir** 1986 Mar;65(3):145–8 (Cze)

[Henri Mondor and the Academy of Surgery] Cerbonnet G. **Chirurgie** 1985;111(5):390–6 (Fre)

[Physicians and specialists. The problem of the unity of medicine in Rome in the 1st century A.D.] Mudry P. **Gesnerus** 1985;42(3–4):329–36 (Eng. Abstr.) (Fre)

[Medical practitioners in England at the time of Henry VI. (1428/29–1460/61)] Jenks S. **Sudhoffs Arch** 1985; 69(2):214–27 (Eng. Abstr.) (Ger)

[The work of the important surgeons of the Erfurt "Academy of Useful Sciences" (1754–1945)] Klimpel V, et al. **Z Arztl Fortbild (Jena)** 1985;79(22):979–80 (Ger)

[Scientific self-appraisal in German surgery in the 19th and 20th century] Harig G. **Zentralbl Chir** 1986;111(12):689–96 (Ger)

[150 years of pediatric surgery in Hungary (Agoston Schöpf-Merei)] Lèb J. **Orv Hetil** 1985 Sep 22; 126(38):2355–7 (Hun)

[On the centenary of the publication of Władysław Krajewski's article "Why are results in our surgical departments worse than those abroad?"] Noszczyk W. **Pol Tyg Lek** 1986 Feb 3;41(5):159–60 (Pol)

[Role of N. I. Pirogov in the development of Soviet and world surgery (on the 175th anniversary of his birth)] Petrovskiĭ BV. **Grudn Khir** 1985 Nov–Dec;(6):5–10 (Rus)

[N.I. Pirogov's work at military hospitals in Simferopol (1854–1855)] Belokurenko SP. **Khirurgiia (Mosk)** 1985 Nov; (11):155–6 (Rus)

[50th anniversary of the Ukrainian Republic Society of Surgeons] Shalimov AA, et al. **Klin Khir** 1986;(6):1–5 (Rus)

[Chief surgeon of the Red Army in World War II 1941–1945. Nikolai Nilovich Burdenko] Bagdasar'ian SM. **Klin Med (Mosk)** 1985 May;63(5):139–46 (Rus)

[Image of N. I. Pirogov in memorials of material culture (on the 175th anniversary of his birth)] Gribanov ED. **Klin Med (Mosk)** 1985 Nov;63(11):138–41 (Rus)

[N. I. Pirogov and poets of Pushkin's circle] Katsnel'bogen AG. **Klin Med (Mosk)** 1986 Jan;64(1):144–6 (Rus)

[Surgery in World War II 1941–1945] Maiat VS. **Klin Med (Mosk)** 1985 May;63(5):24–8 (Rus)

[Military field surgery in World War II 1941–1945] Petrovskiĭ BV. **Klin Med (Mosk)** 1985 May;63(5):20–4 (Rus)

[N. I. Pirogov—a great scientist, physician and citizen] Sarkisov DS, et al. **Klin Med (Mosk)** 1985 Oct;63(10):7–15 (Rus)

[30th anniversary of the Pirogov Museum] Serebrennikov AB. **Klin Med (Mosk)** 1986 Apr;64(4):141–3 (Rus)

[Military surgery and surgeons of the mobile army surgical unit during World War II 1941–1945] Ryzhikov II. **Ortop Travmatol Protez** 1986 Feb;(2):62–6 (Rus)

[Achievements of Soviet military surgery] Shaposhnikov IuG. **Ortop Travmatol Protez** 1986 May;(5):62–6 (Rus)

[A memorial of national gratitude (the country estate museum of N. I. Pirogov in Vinnitsa] Sobchuk GS, et al. **Ortop Travmatol Protez** 1985 Oct;(10):60–4 (Rus)

[Chief surgeons of the fronts during World War II] Aleksanian IV, et al. **Sov Med** 1985;(5):50–4 (Rus)

[Recollections of a surgeon at the front] Dubrov IaG. **Sov Med** 1985;(5):48–50 (Rus)

[Military field surgery in World War II] Lisitsyn KM. **Sov Med** 1985;(5):17–24 (Rus)

[Improvement of surgical services in hospitals of the Georgian S.S.R.] Kurchishvili IB, et al. **Sov Zdravookhr** 1985;(5):49–53 (Rus)

[J.W. Wylie and his role in the devleopment of Russian medicine] Mirskiĭ MB. **Sov Zdravookhr** 1986;(5):60–3 (Rus)

[History of the Pirogov museum (on the 175th anniversary of the birth of N.I. Pirogov)] Sobchuk GS, et al. **Sov Zdravookhr** 1986;(3):57–60 (Rus)

[N.I. Pirogov's ideas and their reflection in current military surgery] Berkutov AN. **Vestn Khir** 1985 Nov;135(11):10–3 (Rus)

[The place of N.I. Pirogov's works in the development of surgery in emergency and suppurative conditions] Bognitskaia TN, et al. **Vestn Khir** 1985 Nov;135(11):14–8 (Rus)

[Achievements of military surgery during World War II] Dolinin VA. **Vestn Khir** 1985 Aug;135(8):6–10 (Eng. Abstr.) (Rus)

[Organization of surgical services for the wounded during the siege of Leningrad] Kolesnikov IS, et al. **Vestn Khir** 1985 Aug;135(8):3–6 (Eng. Abstr.) (Rus)

[N.I. Pirogov and his scientific legacy] Kolesov VI. **Vestn Khir** 1985 Nov;135(11):3–10 (Rus)

[Problems of military surgery in the journal "Vestnik Khirurgii"] Pomosov DV. **Vestn Khir** 1985 Aug; 135(8):137–40 (Rus)

[N.I. Pirogov's contribution to the development of surgical anesthesia] Uvarov BS. **Vestn Khir** 1985 Nov;135(11):19–22 (Rus)

[The volume of surgical interventions in triage at evacuation hospitals during World War II] Chepelev AG. **Voen Med Zh** 1986 Apr;(4):57 (Rus)

[Contribution of military field surgeons to victory over the enemy] Lisitsyn KM, et al. **Voen Med Zh** 1985 May;(5):33–8 (Rus)

[In the surgical military mobile hospital] Tsarfis PG. **Voen Med Zh** 1985 Aug;(8):21–4 (Rus)

[The importance of the surgical service in the National Liberation War] Kučilec A. **Lijec Vjesn** 1986 Jan;108(1):2–4 (Eng. Abstr.) (Ser)

INSTRUMENTATION

Lasers in medicine and surgery. Council on Scientific Affairs. **JAMA** 1986 Aug 15;256(7):900–7 (36 ref.)

MANPOWER

General surgeons in the small towns of Georgia. Herring DD. **Am Surg** 1986 Jun;52(6):340–5

Manpower problems in general surgery [letter] Rothnie NG. **Br Med J [Clin Res]** 1985 Oct 5;291(6500):973

Symposium on surgical manpower in the smaller community. **Can J Surg** 1986 May;29(3):165–75

Symposium on surgical manpower in the smaller community. Is there a future for the community general surgeon? Cutler BK. **Can J Surg** 1986 May;29(3):172–3

Symposium on surgical manpower in the smaller community. The Canadian Association of General Surgeons' questionnaire: results and observations. Inglis FG. **Can J Surg** 1986 May;29(3):166–8

Symposium on surgical manpower in the smaller community. The Canadian Association of General Surgeons and the community surgeon. Railton RH. **Can J Surg** 1986 May; 29(3):174–5

Symposium on surgical manpower in the smaller community. The advantages and disadvantages of practising surgery in a small community. Rivers LF. **Can J Surg** 1986 May; 29(3):168–9

An analysis of vascular surgical manpower requirements and vascular surgical rates in the United States. Rutkow IM, et al. **J Vasc Surg** 1986 Jan;3(1):74–83

METHODS

Intestinal transit time is delayed by artificial sphincters after massive enterectomy in dogs. Stacchini A, et al. **Am J Surg** 1986 Apr;151(4):480–3

Lasers and the surgeon. Wieman TJ. **Am J Surg** 1986 Apr; 151(4):493–500

Low-back impairment-rating practices of orthopaedic surgeons and neurosurgeons in West Virginia. Greenwood JG. **Spine** 1985 Oct;10(8):773–6

STANDARDS

Legal suicide. Weapon: the medical record. Avery JK. **J Tenn Med Assoc** 1985 Nov;78(11):711

Lasers in medicine and surgery: the other issues [editorial] Bohigian GM. **JAMA** 1986 Aug 15;256(7):909–10

[Expert evaluation of the surgeon's work in the hospital] Mitasov IG, et al. **Klin Khir** 1985;(11):38–41 (Rus)

TRENDS

What of the next 25 years? Hardy JD. **Am J Surg** 1986 Jan; 151(1):12–7

The progress of surgery and its ethical and social background. Turunen MI. **Ann Chir Gynaecol** 1985;74(3):105–10

The lost sheep. Presidential address. Braasch JW. **Arch Surg** 1986 Apr;121(4):385–90

The general surgeon [letter] **Br Med J [Clin Res]** 1986 Apr 5;292(6525):955–6

Presidential address—American Society for Surgery of the Hand. 2024 A.D. Dobyns JH. **J Hand Surg [Am]** 1985 Nov; 10(6 Pt 1):769–75

Hands across the ocean. German–American relations in thoracic surgery. Borst HG. **J Thorac Cardiovasc Surg** 1985 Oct;90(4):477–89

Declining surgical case-load of the obstetrician–gynecologist. Grimes DA. **Obstet Gynecol** 1986 Jun;67(6):760–2

Presidential address: Natural selection in university surgery. Harken AH. **Surgery** 1986 Aug;100(2):129–33

The C Morrison Schroeder lecture. The importance of example [interview] Bricker EM. **Wis Med J** 1986 May; 85(5):25–34

[Developments in surgery together with its ethical and social background] Turunen MI. **Duodecim** 1985;101(16):1576–81 (Fin)

[Reflections on the practice of surgery, what is surgery? who is practicing it today?] Marion P. **Bull Acad Natl Med (Paris)** 1985 Oct;169(7):1065–70 (Eng. Abstr.) (Fre)

[Change in values and language] Maier H. **Langenbecks Arch Chir** 1985;366:681–92 (Ger)

[The identity of general surgery] Berchtold R. **Ther Umsch** 1986 Jun;43(6):457–61 (Eng. Abstr.) (Ger)

[Possibilities and limits of general surgery from the viewpoint of the independently practicing surgeon] Freysz T. **Ther Umsch** 1986 Jun;43(6):475–80 (Eng. Abstr.) (Ger)

[Is the general surgeon dying out?] Hardy JD. **Ther Umsch** 1986 Jun;43(6):498–501 (Eng. Abstr.) (Ger)

[The general surgeon] Irving M. **Ther Umsch** 1986 Jun; 43(6):494–7 (Eng. Abstr.) (Ger)

[Structure of surgery from the viewpoint of hospital administration] Müller E. **Ther Umsch** 1986 Jun;43(6):502–8 (Eng. Abstr.) (Ger)

[The area of surgery—problems caused by specialization?] Ungeheuer E, et al. **Ther Umsch** 1986 Jun;43(6):485–7 (Eng. Abstr.) (Ger)

[Accident surgery in the tension field between specialization and integration] Weller S. **Ther Umsch** 1986 Jun; 43(6):488–93 (Eng. Abstr.) (Ger)

[Pediatric surgery before the year 2000] Lodziński K. **Pediatr Pol** 1985 Oct;60(10):673–5 (Pol)

[Scientific and technical progress and new materials in surgery] Shalimov AA, et al. **Klin Khir** 1986;(1):1–3 (Eng. Abstr.) (Rus)

SURGERY DEPARTMENT, HOSPITAL see under **HOSPITAL DEPARTMENTS**

SURGERY, MINOR

Spinal anaesthesia for minor paediatric surgery. Blaise GA, et al. **Can Anaesth Soc J** 1986 Mar;33(2):227–30

Pilot study on midazolam as an induction agent for minor surgical procedures. Pitt-Miller P. **West Indian Med J** 1986 Mar;35(1):44–5

[DDAVP in hemophilia (letter)] Meili E. **Schweiz Med Wochenschr** 1985 Oct 5;115(40):1404 (Ger)

TRENDS

Patient's response to a general practice minor surgery service. Sharman J. **Practitioner** 1986 Jan;230(1411):27–9

SURGERY, OFFICE see **AMBULATORY SURGERY**

SURGERY, OPERATIVE

see related
INTRAOPERATIVE COMPLICATIONS
OPERATING ROOMS
POSTOPERATIVE COMPLICATIONS

The patterns of endocrine response to surgical stress during different types of anesthesia and surgery in man. Malatinsky J, et al. **Acta Anaesthesiol Belg** 1986;37(1):23–32

A study of halothane–diethyl ether azeotrope and the Oxford miniature vaporizer. Bengtsson M, et al. **Acta Anaesthesiol Scand** 1986 Apr;30(3):218–22

Premedication administered to anesthesiologists as patients: their evaluations of its effect and its influence on premedication prescribing habits. Ilias WK. **Acta Anaesthesiol Scand** 1986 Jan;30(1):105–8

Effects of anaesthesia and surgery on serum opsonic capacity. Perttilä J, et al. **Acta Anaesthesiol Scand** 1986 Feb; 30(2):173–6

Fluid and electrolyte therapy in association with uncomplicated surgical procedures. Engquist A. **Acta Anaesthesiol Scand [Suppl]** 1985;82:13–6

Fluid therapy practice in elective surgery in Finland. Nuutinen LS, et al. **Acta Anaesthesiol Scand [Suppl]** 1985; 82:17–8

Influence of surgery, age and serum albumin on delayed hypersensitivity. Hjortsø NC, et al. **Acta Chir Scand** 1986 Mar;152:175–9

Abstracts of the 42nd congress of the Nordic Surgical Society. Copenhagen, Denmark, August 14–16, 1985. **Acta Chir Scand [Suppl]** 1985;527:51 abstracts

Monitoring cerebral oxygen sufficiency in anesthesia and surgery. Fox E, et al. **Adv Exp Med Biol** 1985;191:849–54

Developments in the resuscitation of critically ill surgical patients. Maier RV, et al. **Adv Surg** 1986;19:271–328 (158 ref.)

Radiologic consultation: its application to an acute care surgical ward. Baker SR, et al. **AJR** 1986 Sep;147(3):637–40

A synopsis of surgical care of geriatric patients. Nagendran T. **Ala Med** 1985 Sep;55(3):14–23

Reversal of opsonic deficiency in surgical, trauma, and burn patients by infusion of purified human plasma fibronectin. Correlation with experimental observations. Saba TM, et al. **Am J Med** 1986 Feb;80(2):229–40

Sustained increases in intraocular pressure during strabismus surgery. Raizman MB, et al. **Am J Ophthalmol** 1986 Mar 15;101(3):308–9

Surgery and the patient with heart disease. Pensak ML, et al. **Am J Otol** 1985 Sep;6(5):428–32

Surgery in long-term dialysis patients. Experience with more than 300 cases. Pinson CW, et al. **Am J Surg** 1986 May; 151(5):567–71

Thromboelastographic evaluation of mini-dose heparin in minor surgical procedures. Vernese NA, et al. **Am Surg** 1986 Feb;52(2):112–3

The 'wake-up test' [letter] **Anaesthesia** 1986 Mar;41(3):327–8

Intravenous fluids in minor surgery. Their effect on recovery from anaesthesia. Keane PW, et al. **Anaesthesia** 1986 Jun; 41(6):635–7

Plasma glucose levels in the peri-operative period in children. Payne K, et al. **Anaesthesia** 1984 Sep;39(9):868–72

Blood glucose in anaesthetised children. Comparison of blood glucose concentrations in children fasted for morning and afternoon surgery. Redfern N, et al. **Anaesthesia** 1986 Mar; 41(3):272–5

Perioperative management of a 430-kilogram (946-pound) patient with Pickwickian syndrome. Neuman GG, et al. **Anesth Analg** 1986 Sep;65(9):985–7

Hemodynamic determinants of ischemic myocardial dysfunction in the presence of coronary stenosis in dogs. Buffington CW. **Anesthesiology** 1985 Dec;63(6):651–62

The relationship of beta-endorphin and ACTH in the cerebrospinal fluid and plasma of adult surgical patients. Scheller MS, et al. **Ann Clin Res** 1985;17(6):323–6

The risks of surgery in obese patients. Pasulka PS, et al. **Ann Intern Med** 1986 Apr;104(4):540–6 (70 ref.)

Postoperative neurological deficits may occur despite unchanged intraoperative somatosensory evoked potentials. Lesser RP, et al. **Ann Neurol** 1986 Jan;19(1):22–5

Branched chain amino acid–enriched solutions in the septic patient. A randomized, prospective trial. Bower RH, et al. **Ann Surg** 1986 Jan;203(1):13–20

Child abuse. An update on surgical management in 256 cases. Caniano DA, et al. **Ann Surg** 1986 Feb;203(2):219–24

Physiologic assessment of surgical diagnosis-related groups. Del Guercio LR, et al. **Ann Surg** 1985 Oct;202(4):519–23

Hypercalcemia in critically ill surgical patients. Forster J, et al. **Ann Surg** 1985 Oct;202(4):512–8

Continuous venous oximetry in surgical patients. Nelson LD. **Ann Surg** 1986 Mar;203(3):329–33

The removal of still functioning albeit old grafts: not in our genes? [editorial] Grondin CM. **Ann Thorac Surg** 1986 Aug; 42(2):122–3

The diabetic patient. Regulating serum glucose levels intraoperatively. Ball P. **AORN J** 1986 Feb;43(2):485, 488–9, 491

Surgery in School. Preoperative pediatric education. Miner D. **AORN J** 1986 Aug;44(2):269–70, 272–3, 276–7

Hypnosis and the surgical patient. Effects of positive suggestion. Moss V, et al. **AORN J** 1985 Sep;42(3):389–400

Growing old. Increased surgical risks in the elderly. Walker ML. **AORN J** 1986 Apr;43(4):887–90

Children with diabetes who need surgery. Small PJ. **Arch Dis Child** 1986 Apr;61(4):413–4

Have I performed the right operation? Conley J. **Arch Otolaryngol Head Neck Surg** 1986 Apr;112(4):385–7

Sepsis from triple- vs single-lumen catheters during total parenteral nutrition in surgical or critically ill patients. Pemberton LB, et al. **Arch Surg** 1986 May;121(5):591–4

Improvement of impaired postoperative insulin action by bradykinin. Jauch KW, et al. **Biol Chem Hoppe Seyler** 1986 Mar;367(3):207–10

Changes in apolipoprotein and lipids in patients after surgery. Malmendier CL, et al. **Biomed Pharmacother** 1985; 39(4):192–5

Local anaesthetic techniques in paediatric surgery. Arthur DS, et al. **Br J Anaesth** 1986 Jul;58(7):760–78 (117 ref.)

Administration of atracurium by infusion for long surgical procedures. Simple techniques for routine use. d'Hollander AA, et al. **Br J Anaesth** 1986;58 Suppl 1:56S–59S (25 ref.)

Duration of fast before elective surgery [letter] Sosis M, et al. **Br J Anaesth** 1985 Oct;57(10):1038–9

Effect of short surgical procedures on salivary paracetamol elimination. Ray K, et al. **Br J Clin Pharmacol** 1985 Aug; 20(2):174–6

Surgical Research Society abstracts. 9–10 January 1986. **Br J Surg** 1986 Jun;73(6):490–507

Surgical Research Society abstracts. Dublin, 4–5 July 1985. **Br J Surg** 1985 Dec;72(12):1021–39

Circulating levels of fibronectin in surgical patients [letter] Brown RA. **Br J Surg** 1985 Sep;72(9):768

Influence of diabetes mellitus on operative risk. Hjortrup A, et al. **Br J Surg** 1985 Oct;72(10):783–5

Benefits and burdens of surgery. Jennett B. **Br J Surg** 1985 Dec;72(12):939–41

The influence of surgical operations on components of the human immune system. Lennard TW, et al. **Br J Surg** 1985 Oct;72(10):771–6

Metabolic changes in the non-insulin-dependent diabetic undergoing minor surgery: effect of glucose-insulin-potassium infusion. Thompson J, et al. **Br J Surg** 1986 Apr;73(4):301–4

Efficiency of use of blood for surgery [letter] **Br Med J [Clin Res]** 1985 Oct 19;291(6502):1127

Surgery and the pill [letter] Dyson PH. **Br Med J [Clin Res]** 1985 Sep 28;291(6499):899

Acute hepatitis B in patients in Britain related to previous operations and dental treatment. Polakoff S. **Br Med J [Clin Res]** 1986 Jul 5;293(6538):33–6

General anesthesia and surgical stress increase plasma immunoreactive beta-endorphin–like substances. Kokubu M, et al. **Bull Tokyo Med Dent Univ** 1985 Jun;32(2):49–55

Foetal monitoring during surgery unrelated to pregnancy. Biehl DR. **Can Anaesth Soc J** 1985 Sep;32(5):455–9 (Eng, Fre)

The preoperative electrocardiogram as an indicator of risk in major noncardiac surgery. Carliner NH, et al. **Can J Cardiol** 1986 May-Jun;2(3):134–7

Nitrogen–calorie ratio during total parenteral nutrition in 1001 surgical patients treated in intensive care unit. Harju E, et al. **Chir Ital** 1985 Aug;37(4):429–37

Changes in serum iron and ferritin concentrations associated with surgery. Fitzsimons E, et al. **Clin Chem** 1986 Jan;32(1 Pt 1):201

Symposium on common surgical problems. **Clin Geriatr Med** 1985 May;1(2):311–495

Accuracy of recall of surgical histories: a comparison of postal survey data and general practice records. Coulter A, et al. **Community Med** 1985 Aug;7(3):186–9

Modern surgical nutrition. Reilly JJ Jr, et al. **Curr Probl Surg** 1985 Oct;22(10):1–81 (346 ref.)

The clinical utility of indium-111–labeled leukocyte imaging in the surgical patient. Hobson JR Jr, et al. **Curr Surg** 1986

Jan–Feb;43(1):25–7
Pre-operative patient program lightens nurses' teaching load. Colton M, et al. **Dimens Health Serv** 1986 May;63(4):21, 37
Factors affecting recurrence following resection for Crohn's disease. Chardavoyne R, et al. **Dis Colon Rectum** 1986 Aug; 29(8):495–502
The effect of anaesthetic induction with etomidate on the endocrine response to surgical trauma. Fellows IW, et al. **Eur J Anaesthesiol** 1985 Sep;2(3):285–90
Festschrift. 20 years European Society for Surgical Research. **Eur Surg Res** 1986;18(3–4):137–276
European Society for Surgical Research. 21st congress. Nancy, May 6–10, 1986. Abstracts. **Eur Surg Res** 1986;18 Suppl 1:1–112
General surgery in a developing country. 5 years' experience in Bophuthatswana, Southern Africa. Garin C. **Helv Chir Acta** 1985 Jun;52(2):209–11
Hematologic care of the surgical patient. Berkman SA. **Hosp Pract [Off]** 1986 Feb 15;21(2):124DD, 124GG–124HH, 124JJ passim
Autotransfusion and emergency surgery: preliminary report on an improved technique. Olivero S, et al. **Int J Artif Organs** 1985 Jul;8(4):221–4
Reorganisation of blood transfusion policies in elective surgery. Nolan A, et al. **Ir Med J** 1985 Aug;78(8):213–5
Surgical procedures in patients on maintenance haemodialysis. Deshpande P, et al. **J Assoc Physicians India** 1985 Oct;33(10):637–9
Preoperative medical consultation and treatment—an anesthesiologist's view. Nemiroff MS. **J Med Soc NJ** 1985 Aug;82(8):675–6
Surgery in Jehovah's Witnesses. Smith EB. **J Natl Med Assoc** 1986 Jul;78(7):668–9, 673
Papers presented before the 32nd annual congress of the British Association of Paediatric Surgeons. Vienna, Austria, July 17–19, 1985. **J Pediatr Surg** 1986 Mar;21(3):189–281
34th annual meeting of the Surgical Section of the American Academy of Pediatrics. San Antonio, Texas, October 19–20, 1985. Part 2. **J Pediatr Surg** 1986 Jul;21(7):563–650
Papers presented before the 16th annual meeting of the American Pediatric Surgical Association. Kohala Coast, Hawaii, May 1–4, 1985. **J Pediatr Surg** 1985 Dec; 20(6):580–858
Perioperative neonatal methemoglobinemia and transcutaneous oxygen monitoring. Bedrick AD. **J Pediatr Surg** 1986 May;21(5):392–4
TPN-associated hyperbilirubinemia: a common problem in newborn surgical patients. Ginn-Pease ME, et al. **J Pediatr Surg** 1985 Aug;20(4):436–9
The postoperative response of the term and preterm newborn infant to sodium administration. Krummel TM, et al. **J Pediatr Surg** 1985 Dec;20(6):803–9
Glucose homeostasis during anesthesia and surgery in infants. Srinivasan G, et al. **J Pediatr Surg** 1986 Aug;21(8):718–21
The old order changeth. Blackburn G. **J R Army Med Corps** 1985 Jun;131(2):75–7
Casualty and surgical services in Perthshire general practitioner hospitals 1954–84. Blair JS, et al. **J R Coll Gen Pract** 1986 Aug;36(289):359–62
What happens to surgical patients when their admissions are postponed? [letter] Sellu DP. **J R Coll Gen Pract** 1986 Jul; 36(288):333–4
Doctor-patient communication in surgery. Richards J, et al. **J R Soc Med** 1985 Nov;78(11):922–4
Parenteral nourishment of patients undergoing surgical or traumatic stress. Gilder H. **JPEN J Parenter Enteral Nutr** 1986 Jan–Feb;10(1):88–99 (127 ref.)
Maintenance of skeletal muscle intracellular glutamine during standard surgical trauma. Kapadia CR, et al. **JPEN J Parenter Enteral Nutr** 1985 Sep–Oct;9(5):583–9
Time course for the changes of serum lipoproteins and apolipoprotein T concentrations after major surgical trauma in man. Lindh A, et al. **JPEN J Parenter Enteral Nutr** 1986 May–Jun;10(3):265–73
Is it possible to evaluate the efficacy of amino acid solutions after major surgical procedures or accidental injuries? Evaluation in a randomized and prospective study. Lundholm K, et al. **JPEN J Parenter Enteral Nutr** 1986 Jan–Feb;10(1):29–33
Low T3 syndrome in patients following major surgery. Tsuchiya A, et al. **Jpn J Surg** 1985 Jul;15(4):285–90
The epistemology of surgery [letter] Jennett B, et al. **Lancet** 1986 May 17;1(8490):1156
Surgery for retarded infants [letter] Simms M. **Lancet** 1985 Nov 2;2(8462):1014–5
Iatrogenic surgical liability. Ficarra BJ, et al. **Leg Med** 1985; :236–57
Selection bias in the referral of patients and the natural history of surgical conditions. Melton LJ 3d. **Mayo Clin Proc** 1985 Dec;60(12):880–5
Autologous transfusion: the treatment of choice. Daneshvar A. **Md Med J** 1986 Jun;35(6):473–82
Autologous blood transfusion for elective surgery. Nicholls MD, et al. **Med J Aust** 1986 Apr 14;144(8):396–9
Effects of anaesthesia and surgery on the flow properties of blood. Dormandy JA. **Microcirc Endothelium Lymphatics** 1984 Apr;1(2):151–68 (38 ref.)
Noncardiac surgery in the elderly patient with heart disease. Grady RF. **Mt Sinai J Med (NY)** 1985 Oct;52(8):634–42
Right ventricular function in the perioperative period. Hines R, et al. **Mt Sinai J Med (NY)** 1985 Sep;52(7):529–33
Intraoperative diagnosis of myocardial ischemia. Konstadt S, et al. **Mt Sinai J Med (NY)** 1985 Sep;52(7):521–5
Hyponatremia, convulsions, respiratory arrest, and permanent brain damage after elective surgery in healthy women. Arieff AI. **N Engl J Med** 1986 Jun 12; 314(24):1529–35
The incompatibility of medicine and law. Goodman RS. **Orthopedics** 1985 Jan;8(1):10, 14–5
The effects of surgery on the nitrogen metabolism of parenterally fed human neonates. Duffy B, et al. **Pediatr Res** 1986 Jan;20(1):32–5
Changing patterns of hospitalization for children requiring surgery. Perrin JM, et al. **Pediatrics** 1986 Apr;77(4):587–92
Regulation of liver corticoid metabolism during early postnatal life: effects of surgical stress. Rehulka J, et al. **Physiol Bohemoslov** 1986;35(3):211–8
Reduction of circadian disruption following surgery by ingestion of caffeine in the laboratory rat. Farr LA, et al. **Physiologist** 1985 Dec;28(6 Suppl):S173–4
Review of general surgery 1984–85. Ellis H. **Postgrad Med J** 1985 Nov;61(721):941–56 (111 ref.)
Wound healing in surgical practice. Gupta S, et al. **Q Med Rev** 1985 Jan;36(1):1–43 (114 ref.)
Surgical Research Society of Southern Africa. 14th annual meeting. Pretoria, 29–30 April 1985. Abstracts. **S Afr J Surg** 1985 Dec;23(4):119–43
Surgical complaints [editorial] **S Afr Med J** 1986 Mar 1; 69(5):273
Surgery in patients with heart transplants. Anaesthetic and operative considerations. Cooper DK, et al. **S Afr Med J** 1986 Aug 2;70(3):137–42
Informed consent to elective surgery: the 'therapeutic' value? Wallace LM. **Soc Sci Med** 1986;22(1):29–33
Symposium on pediatric surgery, part I. **Surg Clin North Am** 1985 Oct;65(5):1059–1342
Symposium on pediatric surgery, Part II. **Surg Clin North Am** 1985 Dec;65(6):1349–687
Common physiologic patterns in general surgical patients: hemodynamic and oxygen transport changes during and after operation in patients with and without associated medical problems. Bland RD, et al. **Surg Clin North Am** 1985 Aug;65(4):793–809 (51 ref.)
Surgery of the immunodeficient child. Leonard AS, et al. **Surg Clin North Am** 1985 Dec;65(6):1505–25 (104 ref.)
Preoperative assessment of high-risk surgical patients. Savino JA, et al. **Surg Clin North Am** 1985 Aug;65(4):763–91 (63 ref.)
Delirium in surgical patients seen at psychiatric consultation. Golinger RC. **Surg Gynecol Obstet** 1986 Aug;163(2):104–6
The serum and urinary cortisol response to operative trauma. Mohler JL, et al. **Surg Gynecol Obstet** 1985 Nov; 161(5):445–9
General surgery in adult hemophiliacs. Brown B, et al. **Surgery** 1986 Feb;99(2):154–9
Major operative trauma increases peripheral amino acid release during the steady-state infusion of total parenteral nutrition in man. Finley RJ, et al. **Surgery** 1986 Apr; 99(4):491–500
In vivo and in vitro humoral immunity in surgical patients: antibody response to pneumococcal polysaccharide. Nohr CW, et al. **Surgery** 1986 Aug;100(2):229–38
Influence of low molecular weight heparin on the hemostatic system after abdominal surgery. Schmitz-Huebner U, et al. **Thromb Haemost** 1985 Jun 24;53(3):297–300
Detailed diagnoses and procedures for patients discharged from short-stay hospitals. United States, 1984. **Vital Health Stat [13]** 1986 Apr;(86):1–283
High-risk surgical procedures [letter] Barnes AD. **West J Med** 1985 Oct;143(4):533
Metabolic studies of a lipid emulsion containing medium-chain triglyceride in perioperative and total parenteral nutrition infusions. Dawes RF, et al. **World J Surg** 1986 Feb;10(1):38–46
All-in-one: conventional versus two different all-in-one solutions for total parenteral nutrition of surgical intensive care patients. Leutenegger AF, et al. **World J Surg** 1986 Feb;10(1):84–94
Parenteral nutrition in pediatric surgery. Schärli AF. **World J Surg** 1986 Feb;10(1):77–83
Perioperative parenteral nutrition in the stressed diabetic patient. Vandewoude MF, et al. **World J Surg** 1986 Feb; 10(1):72–6 (14 ref.)
[Metabolic effect of a amino acid solution in post-operative patients] He GZ, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Feb;24(2):97–100, 125–6 (Eng. Abstr.) (Chi)
[Nutritional assessment of non-emergency general surgery in-patients] Zhao YB, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Oct;23(10):606–8, 637–8 (Eng. Abstr.) (Chi)
[The value of information obtained from preoperative laboratory parameters in patients receiving elective surgery] Bach AB, et al. **Ugeskr Laeger** 1986 Apr 28; 148(18):1071–3 (Eng. Abstr.) (Dan)
[The pattern of operative surgery at Danish hospitals in 1982] Bay-Nielsen H, et al. **Ugeskr Laeger** 1985 Jul 15; 147(29):2343–5 (Dan)
[Clinical research in surgery] Hubens A. **Acta Chir Belg** 1985 Nov–Dec;85(6):CIII–CVI (Dut)
[Morbidity of patients with cardiovascular disorders undergoing non-cardiac surgery] Booij LH. **Ned Tijdschr Geneeskd** 1985 Jul 13;129(28):1319–22 (Dut)
["Physicians without Frontiers" in Chad]Boom RP. **Ned Tijdschr Geneeskd** 1985 Dec 21;129(51):2466–9 (Dut)
[Morbidity in patients with cardiovascular disorders undergoing non-cardiac surgery] Verheul GA. **Ned Tijdschr Geneeskd** 1985 Dec 21;129(51):2472–3 (Dut)
[Admittance, treatment and hospitalization in surgical emergencies] Ribet M. **Acta Chir Belg** 1986 May–Jun; 86(3):172–7 (Eng. Abstr.) (Fre)
[Operating on the cardiac patient. Stopping or continuing the preoperative treatment] Pinaud M, et al. **Ann Fr Anesth Reanim** 1986;5(2):138–53 (Fre)
[Clinical study of atracurium] Antakli MC, et al. **Can Anesthesiol** 1985 Nov;33(7):599–601 (Fre)
[Hemodynamic study during the postoperative period in coronary patients undergoing non-cardiac surgery. The role of mechanical ventilation and sedation] Blanloeil Y, et al. **Can Anesthesiol** 1985 Jun–Jul;33(4):301–7 (Eng. Abstr.) (Fre)
[Isoflurane anesthesia in a child with sickle cell anemia and jaundice] Sfez M, et al. **Can Anesthesiol** 1986 Jan–Feb; 34(1):75–7 (Fre)
[Deferred autologous transfusion. Apropos of 15 cases at Dakar General Hospital] Adnet P, et al. **Dakar Med** 1984; 29(1):221–5 (Eng. Abstr.) (Fre)
[Music and surgery] Schuhl JF, et al. **J Chir (Paris)** 1985 Aug–Sep;122(8–9):483–5 (Eng. Abstr.) (Fre)
[In vitro activity of the combination ticarcillin–clavulanic acid on bacterial isolates in surgery] Branger C, et al. **Pathol Biol (Paris)** 1986 Apr;34(4):245–8 (Eng. Abstr.) (Fre)
[Diabetic diseases and anesthesia] Vibé K. **Rev Med Suisse Romande** 1986 Jun;106(6):519–26 (Fre)
[Circulatory changes with urapidil (Ebrantil) in general and regional anesthesia. Studies with normo- and hypertensive patients] Lehmann KA, et al. **Anaesthesist** 1985 Sep; 34(9):435–45 (Eng. Abstr.) (Ger)
[Tolerance of 3.5 percent plasma protein solution] Hansen J, et al. **Anasth Intensivther Notfallmed** 1986 Aug; 21(4):207–11 (Eng. Abstr.) (Ger)
[Interventional radiology and surgery. An interdisciplinary exchange of ideas] Kümmerle F, et al. **Dtsch Med Wochenschr** 1986 Jul 4;111(27):1047–9 (Ger)
[PVP-iodine as an alternative to other antiseptics and local antibiotics in surgery] Görtz G, et al. **Handchir Mikrochir Plast Chir** 1986 Jan;18(1):1–14 (Ger)
[Imaging procedures and follow-up in pediatric surgical diseases] Brands W, et al. **Monatsschr Kinderheilkd** 1986 Jun;134(6):360–4 (Eng. Abstr.) (Ger)
[Bronchial asthma and surgery] Lagler U, et al. **Schweiz Rundsch Med Prax** 1986 Apr 29;75(18):508–10 (31 ref.) (Eng. Abstr.) (Ger)
[Technical aspects of the use of ultrasound diagnosis in surgical interventions] Klotter HJ, et al. **Ultraschall Med** 1986 Apr;7(2):76–82 (Eng. Abstr.) (Ger)
[Information requirements of patients before an operation] Krutz R. **Z Arztl Fortbild (Jena)** 1985;79(24):1053–5 (Ger)
[15th meeting of the Society for Surgery of East Germany. 18–22 March 1985, Berlin. Abstracts] **Zentralbl Chir** 1986; 111(2):65–105 (Ger)
[Significance of preoperative prognosis] Friedrich A, et al. **Zentralbl Chir** 1986;111(12):725–34 (Eng. Abstr.) (Ger)
[Prognosis and prognostics—their significance for surgical practice] Röding H. **Zentralbl Chir** 1985;110(20):1233–7 (Eng. Abstr.) (Ger)
[Prerequisites and obstacles in the perception of medical responsibility in surgery] Röding H. **Zentralbl Chir** 1985; 110(20):1238–41 (Eng. Abstr.) (Ger)
[Humoral immunity and anesthesiologic-surgical stress] Manieri R, et al. **Ann Ital Chir** 1985;57(2):89–100 (Eng. Abstr.) (Ita)
[Arrhythmia in operated patients with cardiopathies] Iannetti M, et al. **Cardiologia** 1982 Nov;27(11):1101–13 (59 ref.) (Ita)
[Current status of antibiotic therapy in the surgical field] Donatelli L. **Clin Ter** 1986 Jan 31;116(2):87–94 (Eng. Abstr.) (Ita)
[Experimental evaluation of CO2 lasers in general surgery] Abate S, et al. **Minerva Chir** 1986 Mar 31;41(5–6):311–5 (Ita)
[Diabetes in surgery: pre- and post-operative monitoring] Baroni B, et al. **Minerva Chir** 1985 Aug 15–31; 40(15–16):1079–83 (Eng. Abstr.) (Ita)
[Problems of general surgery in the heart surgery patient] de Vincentiis E. **Minerva Chir** 1986 Mar 31;41(5–6):269–71 (Ita)
[Update on geriatric surgery. Monza, 20 October 1984] **Minerva Med** 1985 Dec 15;76(47–48):2227–64 (Ita)
[Metabolic-hormonal response to surgical intervention] Candrina R, et al. **Recenti Prog Med** 1986 Jan;77(1):50–2 (Ita)
[Exercise test to evaluate preoperative conditions of general surgical patients] Hirokawa M, et al. **Masui** 1985 Sep; 34(9):1237–44 (Eng. Abstr.) (Jpn)
[Measurement of cardiac output by the pulsed Doppler blood velocity meter during operations] Ohsumi H, et al. **Masui** 1985 Aug;34(8):1074–8 (Eng. Abstr.) (Jpn)

[Effects of catecholamines on the neuromuscular blocking action of a non-depolarizing muscle relaxant. Part I. Correlation between the rate of recovery of neuromuscular block following pancuronium administration and the plasma catecholamine concentrations during operation] Omote T, et al. **Masui** 1985 Oct;34(10):1321-8 (Eng. Abstr.) **(Jpn)**

[Intraoperative monitoring with M-mode transesophageal echocardiography; monitoring of cardiac function by the mitral and aortic valve echograms] Suzuki A, et al. **Masui** 1986 May;35(5):710-6 (Eng. Abstr.) **(Jpn)**

[Effect of anxiolytic music on endocrine function in surgical patients during operations under epidural anesthesia] Tanioka F, et al. **Masui** 1985 Oct;34(10):1364-9 (Eng. Abstr.) **(Jpn)**

[86th annual meeting of the Japan Surgical Society. Abstracts] **Nippon Geka Gakkai Zasshi** 1986 Feb;86 Suppl:1-529 **(Jpn)**

[Thromboxane B2 in surgery] Hayashi C. **Nippon Geka Gakkai Zasshi** 1985 Dec;86(12):1569-78 (Eng. Abstr.) **(Jpn)**

[Nutritional management of surgical patients: current status and future] Okada T. **Nippon Geka Gakkai Zasshi** 1986 Jul;87(7):707-723 (122 ref.) **(Jpn)**

[Humoral and cellular immunodepression following surgery and postoperative infection] Shinagawa N, et al. **Nippon Geka Gakkai Zasshi** 1985 Sep;86(9):1096-9 (Eng. Abstr.) **(Jpn)**

[Changes of whole body protein turnover due to the severity of surgical stress] Yamamori H, et al. **Nippon Geka Gakkai Zasshi** 1985 Nov;86(11):1500-4 (Eng. Abstr.) **(Jpn)**

[Surgical microscope in general practice] Lønberg NC. **Tidsskr Nor Laegeforen** 1986 Feb 10;106(4):313-5 (Eng. Abstr.) **(Nor)**

[Patient information at a hospital surgery department] Svensen R, et al. **Tidsskr Nor Laegeforen** 1986 Feb 20; 106(5):423-5 (Eng. Abstr.) **(Nor)**

[Peridural analgesia using narcotic analgesics] Khapil KhKh, et al. **Anesteziol Reanimatol** 1985 Sep-Oct;(5):66-70 (83 ref.) **(Rus)**

[Insulin in anesthesiology and resuscitation] Kozlov IA, et al. **Anesteziol Reanimatol** 1985 Sep-Oct;(5):70-8 (132 ref.) **(Rus)**

[Low- and high-frequency jet artificial ventilation of the lungs] Litarchek G, et al. **Anesteziol Reanimatol** 1985 Nov-Dec;(6):11-7 (Eng. Abstr.) **(Rus)**

[Changes in the indices of central and peripheral hemodynamics in the postoperative period after epidural analgesia using promedol] Mikhel'son VA, et al. **Anesteziol Reanimatol** 1986 Mar-Apr;(2):40-2 (Eng. Abstr.) **(Rus)**

[Spontaneous respiration in epidural anesthesia combined with gamma-hydroxybutyric acid] Savushkin NV, et al. **Anesteziol Reanimatol** 1986 Mar-Apr;(2):45-6 (Eng. Abstr.) **(Rus)**

[Circulating immune complexes and indicators of nonspecific defense in surgical patients] Elagina LV, et al. **Khirurgiia (Mosk)** 1986 Jun;(6):33-6 (Eng. Abstr.) **(Rus)**

[Surgical operations on patients with an implanted pacemaker] Fedorov VD, et al. **Khirurgiia (Mosk)** 1985 Aug;(8):116-20 **(Rus)**

[Hemoperfusion in the clinical management of surgical diseases] Kasymov ShZ. **Khirurgiia (Mosk)** 1986 Jun; (6):94-7 (Eng. Abstr.) **(Rus)**

[Antipyrine test in evaluation of the functional state of the liver in the postoperative period] Nadzhimutdinov KN, et al. **Khirurgiia (Mosk)** 1986 Feb;(2):21-3 (Eng. Abstr.) **(Rus)**

[Spinal anesthesia in surgical practice] Georgadze VN, et al. **Klin Khir** 1985;(12):28-9 (Eng. Abstr.) **(Rus)**

[Methods for the contact use of a levamisole solution on surgical patients] Pinchuk MP, et al. **Klin Khir** 1986;(1):54-6 (Eng. Abstr.) **(Rus)**

[Basic trends in the use of a new organosilicon adsorbent polymethylsiloxane in surgery] Shalimov SA, et al. **Klin Khir** 1986;(1):9-11 (Eng. Abstr.) **(Rus)**

[Fixation of nasogastric tubes in surgical patients] Vakhtangishvili RSh, et al. **Klin Khir** 1986;(1):70 **(Rus)**

[Main principles of the treatment of surgical patients with concomitant diabetes mellitus] Myshkin KI, et al. **Probl Endokrinol (Mosk)** 1985 Sep-Oct;31(5):71-5 (Eng. Abstr.) **(Rus)**

[Glycosylated hemoglobin as an indicator of impaired metabolism in acute surgical diseases] Chesnokova TT, et al. **Sov Med** 1985;(7):40-3 (Eng. Abstr.) **(Rus)**

[Experience with setting up a perforated card file for the storage of information on surgical patients] Baskakova ZI. **Vestn Khir** 1986 May;136(5):133-8 **(Rus)**

[Use of photo-modified blood in surgical practice] Dvaladze NA, et al. **Vestn Khir** 1986 Feb;136(2):131-4 **(Rus)**

[Pathogenetic principle of substantiation of indications and programs for transfusion therapy in surgical practice] Golovin GV, et al. **Vestn Khir** 1985 Jun;134(6):122-6 (Eng. Abstr.) **(Rus)**

[Clinical evaluation of pyromecaine for peridural anesthesia in general surgery] Korischkin VA, et al. **Vestn Khir** 1986 Mar;136(3):117-8 **(Rus)**

[Experience using spinal anesthesia in a central regional hospital] Kosumian VK. **Vestn Khir** 1985 Oct;135(10):110-2 (Eng. Abstr.) **(Rus)**

[Comparative effectiveness of plasma substitutes in normovolemic hemodilution and correction of acute blood loss] Savel'ev VS, et al. **Vestn Khir** 1985 Jun;134(6):127-32 (Eng. Abstr.) **(Rus)**

[Hyperbaric oxygenation in surgical practice] Lushchitskiĭ MA, et al. **Voen Med Zh** 1986 Jun;(6):25-8 **(Rus)**

[Surgical interventions and injuries in patients with implanted pacemakers] Vajó J, et al. **Rozhl Chir** 1985 Oct; 64(10):666-71 (Eng. Abstr.) **(Slo)**

[The pediatrician confronted by the most common surgical pathology] Albert Cazalla A. **An Esp Pediatr** 1985 Jun; 22(8):589-95 **(Spa)**

[Effect of surgical intervention on G, A and M immunoglobulins and the complement system] Espí A, et al. **Rev Clin Esp** 1985 Dec;177(9):443-8 (Eng. Abstr.) **(Spa)**

[Standards for the functioning of the surgical unit] Cabarrocas Gafarot E, et al. **Rev Esp Anestesiol Reanim** 1985;32 Suppl 1:22-7 **(Spa)**

[Parenteral nutrition in the surgical patient] Martínez Pérez MV, et al. **Rev Esp Anestesiol Reanim** 1985 Nov-Dec; 32(6):296-302 (34 ref.) (Eng. Abstr.) **(Spa)**

[Use of artificial nutrition in 231 surgical patients] Fenig Rodríguez J, et al. **Rev Gastroenterol Mex** 1986 Jan-Mar; 51(1):29-33 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Three per cent dextran-60 as a plasma substitute in blood component therapy. II. Comparative studies on pre- and postoperative blood volume. Schött U, et al. **Acta Anaesthesiol Scand** 1985 Nov;29(8):775-81

Three per cent dextran-60 as a plasma substitute in blood component therapy. I. An alternative in surgical blood loss replacement. Schött U, et al. **Acta Anaesthesiol Scand** 1985 Nov;29(8):767-74

Perioperative use of esmolol. Reves JG, et al. **Am J Cardiol** 1985 Oct 23;56(11):57F-62F (29 ref.)

Cardiac prognosis in noncardiac geriatric surgery. Gerson MC, et al. **Ann Intern Med** 1985 Dec;103(6 (Pt 1)):832-7

Risk of noncardiac operation in patients with defined coronary disease: The Coronary Artery Surgery Study (CASS) registry experience. Foster ED, et al. **Ann Thorac Surg** 1986 Jan;41(1):42-50

Postoperative hyponatremia. A prospective study. Chung HM, et al. **Arch Intern Med** 1986 Feb;146(2):333-6

Post-proctectomy perineal hernia: case report and discussion. McMullin ND, et al. **Aust NZ J Surg** 1985 Feb;55(1):69-72

Bladder and sexual function after surgery for rectal cancer. Kinn AC, et al. **Dis Colon Rectum** 1986 Jan;29(1):43-8

Endocrine response to surgery in children after premedication with midazolam or papaveretum. Lindahl SG, et al. **Eur J Anaesthesiol** 1985 Dec;2(4):369-77

The hazards of surgery in the obese. Abdel-Moneim RI. **Int Surg** 1985 Apr-Jun;70(2):101-3

Iatrogenic injuries of nerves. Bonney G. **J Bone Joint Surg [Br]** 1986 Jan;68(1):9-13

Cerebrospinal fluid rhinorrhea following surgery for acoustic neurinoma. Report of two cases. Gordon DS, et al. **J Neurosurg** 1986 Apr;64(4):676-8

Perioperative anesthetic risk of noncardiac surgery in hypertrophic obstructive cardiomyopathy. Thompson RC, et al. **JAMA** 1985 Nov 1;254(17):2419-21

Pseudoaneurysm complicating superficial temporal artery-superior cerebellar artery bypass. Morgan M, et al. **Surg Neurol** 1986 Sep;26(3):277-81

Open letter to surgeons performing chemonucleolysis (from a surgeon performing chemonucleolysis) [letter] Romy M. **Surg Neurol** 1985 Nov;24(5):587

Do operations facilitate tumor growth? An experimental model in rats. Weese JL, et al. **Surgery** 1986 Aug; 100(2):273-7

Ventral bladder hernia following Marshall-Marchetti-Krantz procedure for stress urinary incontinence. Schulze KA, et al. **Urology** 1986 Aug;28(2):114-6

[Testing glucose tolerance in the early postoperative period and attempts to correct it] Popov G, et al. **Khirurgiia (Sofiia)** 1985;38(6):73-8 **(Bul)**

[General anesthesia in relation to stress and shock. I. Stress associated with surgical procedures characterized by changes in catecholamine activity and changes in hemodynamics] Bonaventura J, et al. **Rozhl Chir** 1986 Jan; 65(1):4-9 (Eng. Abstr.) **(Cze)**

[General anesthesia in relation to stress and shock. 2. Metabolic changes in saccharides, proteins and adenine nucleotides during surgical stress and shock in general and their control by the metabolic action of anesthetics. Prognostic criteria of shock] Bonaventura J, et al. **Rozhl Chir** 1986 Jan;65(1):10-6 (Eng. Abstr.) **(Cze)**

[Informing about possible injuries due to surgical positioning] Teichner M. **Dtsch Med Wochenschr** 1986 Feb 14; 111(7):273-4 **(Ger)**

[Effect of aggressive tumor therapy on nutrient utilization and nutritional status] Ollenschläger G. **Infusionsther Klin Ernahr** 1986 Apr;13(2):70-7 (39 ref.) (Eng. Abstr.) **(Ger)**

[Evaluation of the nutritional status and nitrogen balance in surgical patients] Gavassa L, et al. **Minerva Dietol Gastroenterol** 1986 Apr-Jun;32(2):213-6 (Eng. Abstr.) **(Ita)**

[Types of surgical operations and cancer development] Kaibara N, et al. **Gan To Kagaku Ryoho** 1986 Apr;13(4 Pt 2):1523-7 (Eng. Abstr.) **(Jpn)**

[Surgical therapy of diseases in patients over 80] Bielecki K, et al. **Pol Tyg Lek** 1986 May 26;41(21):683-6 (Eng. Abstr.) **(Pol)**

[Sick sinus syndrome and its correction in anesthesiology] Riabov GA, et al. **Anesteziol Reanimatol** 1985 May-Jun; (3):5-8 (Eng. Abstr.) **(Rus)**

[Immunology in surgery (review of the literature)] Efimova NV, et al. **Khirurgiia (Mosk)** 1986 Jun;(6):124-36 (105 ref.) **(Rus)**

[Iatrogenic injuries of the major blood vessels] Kniazev MD, et al. **Khirurgiia (Mosk)** 1985 Dec;(12):85-7 **(Rus)**

[Differential diagnosis of pneumonia and pulmonary embolism in the postoperative period] Mazaev PN, et al. **Khirurgiia (Mosk)** 1985 Dec;(12):94-8 **(Rus)**

[Role of anesthesia in the prevention of postoperative erosions and ulcers of the gastrointestinal system] Chepkil LP, et al. **Klin Khir** 1985;(12):36-41 (70 ref.) **(Rus)**

[The hazard of surgical interventions after allergic reactions to polyglucin] Tomashchik EA. **Klin Khir** 1986;(1):60 **(Rus)**

[Effect of surgical stress on the status of cellular immunity] Zimin IuI, et al. **Vestn Akad Med Nauk SSSR** 1985;(8):30-4 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Making sense of 'keratospeak'. A classification of refractive corneal surgery. Waring GO 3d. **Arch Ophthalmol** 1985 Oct;103(10):1472-7

ECONOMICS

DRGs and surgical procedures. A survey of hospitals' cost analyses. Diomede B. **AORN J** 1985 Dec;42(6):912, 914, 916 passim

Continuous mixed venous oximetry in critically ill surgical patients. 'High-tech' cost-effectiveness. Orlando R 3d. **Arch Surg** 1986 Apr;121(4):470-1

Cost containment in pediatric surgery. Sherman NJ, et al. **Clin Pediatr (Phila)** 1985 Dec;24(12):728-31

Cost-effectiveness of surgery in small acute 'local' hospitals. Soper J, et al. **Community Med** 1985 Nov;7(4):257-64

Preadmission certification and second surgical opinions. Rapport RL. **Mich Med** 1986 Jan;85(1):2-3

Surgery in the very elderly. Hobler KE, et al. **QRB** 1985 Nov;11(11):339-41

Surgonomics and cost containment. Muñoz E, et al. **Surg Gynecol Obstet** 1986 Feb;162(2):137-41

METHODS

Maintenance of anterior chamber integrity and surgical view during air-fluid exchange in eyes with intraocular lenses. Haimann MH, et al. **Am J Ophthalmol** 1985 Dec 15; 100(6):856

Abdominal midline incision closure. A multicentric randomized prospective trial of 3,135 patients, comparing continuous vs interrupted polyglycolic acid sutures. Fagniez PL, et al. **Arch Surg** 1985 Dec;120(12):1351-3

The epistemology of surgery [editorial] **Lancet** 1986 Mar 22; 1(8482):656-7

Clinical evaluation of reversed dermis graft for reconstruction of oral mucosa. Ueda M, et al. **Nagoya J Med Sci** 1986 Mar;48(1-4):33-45

MORTALITY

Confidential inquiry into perioperative deaths [editorial] Devlin HB, et al. **Br Med J [Clin Res]** 1986 Jun 21; 292(6536):1622-3

Perioperative deaths [editorial] **Lancet** 1985 Nov 9; 2(8463):1049

In-hospital mortality of surgical patients: is there an empiric basis for standard setting? Sloan FA, et al. **Surgery** 1986 Apr;99(4):446-54

[Clinico-statistical features on the operative risk in old age] Melita P, et al. **Chir Ital** 1984 Oct;36(5):900-7 (Eng. Abstr.) **(Ita)**

[Evaluation of surgical risk] De Ritis G, et al. **Minerva Anestesiol** 1985 Apr;51(4):151-75 (Eng. Abstr.) **(Ita)**

[Causes of death on the operating table] Uvarov BS, et al. **Anesteziol Reanimatol** 1985 Sep-Oct;(5):3-5 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Fatigue and anxiety in surgical patients. Christensen T, et al. **Acta Psychiatr Scand** 1986 Jan;73(1):76-9

Psychological aspects of surgery. **Adv Psychosom Med** 1986; 15:1-232

Surgery in infants, children, and adolescents. Gabriel HP. **Adv Psychosom Med** 1986;15:69-83

Pre-operative emotional states and post-operative recovery. Johnston M. **Adv Psychosom Med** 1986;15:1-22

Psychological intervention with surgical patients: evaluation outcome. Rogers M, et al. **Adv Psychosom Med** 1986; 15:23-50

Facilitating children's coping. Preoperative assessment interviews. LaMontagne LL. **AORN J** 1985 Nov;42(5):718, 720, 722-3

Overcoming fear. A review of research on patient, family instruction. Moss RC. **AORN J** 1986 May;43(5):1107, 1109, 1111-4

Surgical addiction. A complication of modern surgery? Wright MR. **Arch Otolaryngol Head Neck Surg** 1986 Aug;

112(8):870–2
Anxiety and endocrine changes in surgical patients. Salmon P, et al. **Br J Clin Psychol** 1986 May;25 (Pt 2):135–41
Monitoring and blunting coping styles in women prior to surgery. Steptoe A, et al. **Br J Clin Psychol** 1986 May;25 (Pt 2):143–4
Communication variables in the design of pre-surgical preparatory information. Wallace LM. **Br J Clin Psychol** 1986 May;25 (Pt 2):111–8
Psychiatric complications associated with geriatric surgery. Gamino LA, et al. **Clin Geriatr Med** 1985 May;1(2):417–22
Hope and recovery from surgical illness. Henker FO. **Compr Ther** 1985 Nov;11(11):11–5
Beta-blockers and psychic stress: a double-blind, placebo-controlled study of bopindolol vs lorazepam and butalbital in surgical patients. Chierichetti SM, et al. **Int J Clin Pharmacol Ther Toxicol** 1985 Sep;23(9):510–4
Physiological and subjective stress responses in surgical patients. Vögele C, et al. **J Psychosom Res** 1986; 30(2):205–15
Clinical and cost-saving effects of psychoeducational interventions with surgical patients: a meta-analysis. Devine EC, et al. **Res Nurs Health** 1986 Jun;9(2):89–105
[Effect of prior operations on fear of anesthesia and surgery in young children] Breitkopf L, et al. **Anaesthesist** 1986 Jan;35(1):30–5 (Eng. Abstr.) **(Ger)**
[Prospects of psychological preparation for surgery] Höfling S, et al. **Anaesthesist** 1985 Jun;34(6):273–9 (Eng. Abstr.) **(Ger)**
[Who treats fear in patients? On the psychology of preparation for operation] Höfling S. **Fortschr Med** 1985 Oct 10;103(38):79–81 **(Ger)**
[Psychological preparation for surgery in children] Melamed BG. **Monatsschr Kinderheilkd** 1985 Jun;133(6):371–4 **(Ger)**
[Immunological aspects of surgical stress] Gadalov VP. **Anesteziol Reanimatol** 1985 May–Jun;(3):69–72 (103 ref.) **(Rus)**
[Psychologic iatrogenic disease in the postsurgical child] Gaona Cartolano JM, et al. **An Esp Pediatr** 1985 Oct 31; 23(5):335–41 (Eng. Abstr.) **(Spa)**

STANDARDS

AIDS and surgery [editorial] Ludbrook J. **Aust NZ J Surg** 1986 Feb;56(2):97–8
Safe surgical care at primary care hospitals in developing countries. Apelgren K, et al. **Bull Pan Am Health Organ** 1985;19(4):334–42
Surgical audit [letter] Ellis BW. **Lancet** 1986 Feb 8;(8476):325
Audit of surgical audit. Gruer R, et al. **Lancet** 1986 Jan 4; 1(8471):23–6
[Quality assurance in general surgery by prospective patient documentation. A comparison over 5 years] Grundmann R, et al. **Zentralbl Chir** 1986;111(5):252–60 (Eng. Abstr.) **(Ger)**

TRENDS

Clinical freedom [editorial] Devlin HB. **Anaesthesia** 1985 Sep; 40(9):835–6
Ear, nose, and throat operations in the United States, 1979 to 1984. Rutkow IM. **Arch Otolaryngol Head Neck Surg** 1986 Aug;112(8):873–6
Technology and outpatient care shape surgery. Riffer J. **Hospitals** 1986 Jan 20;60(2):86, 88
Why has hospital length of stay declined? An evaluation of alternative theories. Sloan FA, et al. **Soc Sci Med** 1986; 22(1):63–73
Closed mitral commissurotomy. An obsolete operative approach? [letter] Huth C. **Thorac Cardiovasc Surg** 1985 Oct;33(5):326–8
What's new in the Federal Republic of Germany: a survey. Heberer G, et al. **World J Surg** 1986 Jun;10(3):522–9
[Anesthesia as a prerequisite for success in surgery] Stoeckel H. **Langenbecks Arch Chir** 1985;366:31–5 (Eng. Abstr.) **(Ger)**
[General surgery at the non-university A hospital] Säuberli H. **Ther Umsch** 1986 Jun;43(6):462–7 (Eng. Abstr.) **(Ger)**
[Development of operative therapy in a public hospital 1910 to 1980] Sima J, et al. **ZFA** 1985 Jul–Aug;40(4):261–8 (Eng. Abstr.) **(Ger)**

UTILIZATION

Increasing use of private practice by patients in Oxford requiring common elective surgical operations. McPherson K, et al. **Br Med J [Clin Res]** 1985 Sep 21;291(6498):797–9
Rising rates of surgery among the elderly. Valvona J, et al. **Health Aff (Millwood)** 1985 Fall;4(3):108–19
Variations in the use of medical and surgical services [letter] **N Engl J Med** 1986 Sep 4;315(10):649–50
Variations in the use of medical and surgical services by the Medicare population. Chassin MR, et al. **N Engl J Med** 1986 Jan 30;314(5):285–90

SURGERY, ORAL

Oral surgeons: doctors or dentists? [letter] **Br Dent J** 1986 Aug 23;161(4):124–5
Viral hepatitis among Danish oral surgeons. Scheutz F. **Int J Oral Surg** 1985 Dec;14(6):459–65
Eye injury during surgery [letter] Casino AJ. **J Oral Maxillofac Surg** 1986 Jun;44(6):424
A word about words [editorial] Laskin DM. **J Oral Maxillofac Surg** 1986 Jul;44(7):501
The anesthesia team for ambulatory patients [letter] McCarthy FM. **J Oral Maxillofac Surg** 1986 May;44(5):340
Drug abuse in oral and maxillofacial training programs. Rosenberg M. **J Oral Maxillofac Surg** 1986 Jun; 44(6):458–62
Licensure of specialists [letter] Wilson GW. **J Oral Maxillofac Surg** 1986 Jun;44(6):424
Dental considerations in management of head and neck cancer. Hurst PS. **Otolaryngol Clin North Am** 1985 Aug; 18(3):573–603
The effect of tofisopam (grandaxin) on driving ability of outpatients after oral surgical intervention. Divinyi T, et al. **Ther Hung** 1983;31(1):19–23
[Potential applications of continuous-wave ultrasound Doppler sonography to the orofacial area. 1. The technic and potential uses with special reference to plastic and restorative oromaxillofacial surgery] Niekisch R. **Zahn Mund Kieferheilkd** 1985;73(8):822–7 (Eng. Abstr.) **(Ger)**
[Odontological problems in patients with hemophilia] Giuliano L, et al. **Ann Osp Maria Vittoria Torino** 1984 Jul–Dec;27(7–12):145–58 **(Ita)**
[Hospital oral surgical care in a provincial hospital] Sidorov Sd. **Stomatologiia (Mosk)** 1985 May–Jun;64(3):79–80 **(Rus)**

ECONOMICS

A cost analysis of nalbuphine versus meperidine used in oral surgery procedures. Rhodes RA. **Clin Ther** 1986;8(4):415–9

EDUCATION

Oral surgeons: doctors or dentists? [letter] Banks P. **Br Dent J** 1986 Jul 19;161(2):46
A laboratory for teaching oral-surgical technique. Stacy GC. **J Dent** 1985 Dec;13(4):318–22
Increasing the operative experience of oral and maxillofacial surgeons [letter] Hauser MS, et al. **J Oral Maxillofac Surg** 1985 Nov;43(11):836
Experience of orthodontic residents with orthognathic surgery patients [letter] Moshiri F. **J Oral Maxillofac Surg** 1986 Jun;44(6):424
[Achievements and prospects of the development of surgical stomatology at the Leningrad Medical Institute for Postgraduate Training of Physicians] Kozlov VA. **Vestn Khir** 1985 Jun;134(6):73–7 (Eng. Abstr.) **(Rus)**

HISTORY

Nicola Boissard Research Fund. First British research chair in oral biochemistry. Hancocks SA. **Br Dent J** 1985 Aug 24;159(4):127–8

METHODS

Partial palatomaxillary core ostectomy with multiple flap reconstruction. Kreutziger KL, et al. **Head Neck Surg** 1985 Sep–Oct;8(1):31–9
[Use of seduxen for premedication in outpatient oral surgery on hypertension patients] Biziaev AF, et al. **Stomatologiia (Mosk)** 1986 Jan–Feb;65(1):33–5 **(Rus)**

REHABILITATION

[Rehabilitation of children with oral surgical diseases and traumatic lesions of the face and jaws] Simanovskaia Elu, et al. **Stomatologiia (Mosk)** 1986 Jan–Feb;65(1):73–5 (Eng. Abstr.) **(Rus)**

TRENDS

[Prophylactic aspects in the practice of operative dentistry] Bazhanov NN. **Stomatologiia (Mosk)** 1986 May–Jun; 65(3):82–3 **(Rus)**

UTILIZATION

An analysis of inpatient dental surgical rates. Pivor JL. **J Dent Educ** 1985 Nov;49(11):773–6

SURGERY, ORAL, PREPROSTHETIC

An atraumatic technique for harvesting cancellous bone for secondary alveolar bone grafting in cleft palate. Caddy CM, et al. **Br J Plast Surg** 1985 Oct;38(4):540–3
Esthetic mouth preparation for ceramic restoration. Crispin BJ, et al. **Dent Clin North Am** 1985 Oct;29(4):673–92
Augmentation of the atrophic edentulous ridge with porous replamineform hydroxyapatite (Interpore-200). Piecuch JF. **Dent Clin North Am** 1986 Apr;30(2):291–305
A modified hydroxylapatite implant material. A preliminary report. Bochlogyros PN, et al. **J Maxillofac Surg** 1985 Oct; 13(5):213–7
The "three-piece" osteotomy and interpositional bone graft for augmentation of the atrophic mandible. Egbert M, et al. **J Oral Maxillofac Surg** 1986 Sep;44(9):680–7
Mandibular augmentation with hydroxyapatite. Beirne OR, et al. **J Prosthet Dent** 1986 Mar;55(3):362–7
Collagen tube containers: an effective means of controlling particulate hydroxyapatite implants. Shen K, et al. **J Prosthet Dent** 1986 Jul;56(1):65–70
Evaluation of patients for preprosthetic surgery. Curtis TA, et al. **Oral Surg Oral Med Oral Pathol** 1986 Feb;61(2):130–3
Visor osteotomy augmentation of the mandible with posterior onlay bone graft or with hydroxylapatite: a comparative study. Mercier P, et al. **Oral Surg Oral Med Oral Pathol** 1986 Sep;62(3):251–7
[Ibuprofen pre- and postoperatively in oral surgery] Turcotte JY. **Can Dent Assoc J** 1986 Apr;52(4):325–8 **(Fre)**

INSTRUMENTATION

A two-piece surgical splint to facilitate hydroxylapatite augmentation of the mandibular alveolar ridge. Lambert PM. **J Oral Maxillofac Surg** 1986 Apr;44(4):329–31
Use of a soft tissue expander in alveolar ridge augmentation: a preliminary report. Lew D, et al. **J Oral Maxillofac Surg** 1986 Jul;44(7):516–9
Use of an open splint in ridge augmentation with hydroxylapatite. Pham H. **J Oral Maxillofac Surg** 1986 Jan; 44(1):80–1
Surgical stent fabrication for hydroxyapatite augmentation of the edentulous ridge. Barrett GD. **J Prosthet Dent** 1985 Aug;54(2):215–20
Surgical template as a guide for reduction of maxillary tuberosities. Crabtree DG, et al. **J Prosthet Dent** 1986 Jan; 55(1):137–9
Using soft vinyl stents to facilitate augmentation of maxillary anterior atrophic ridges with hydroxyapatite. Torres CP, et al. **J Prosthet Dent** 1986 Sep;56(3):326–9

METHODS

Reconstructive preprosthetic surgery. Frick WG, et al. **Clin Geriatr Med** 1985 May;1(2):381–9
Reconstruction of the alveolar ridge with hydroxyapatite. Kent JN. **Dent Clin North Am** 1986 Apr;30(2):231–57
Comparison of complications after bone removal from lateral and medial plates of the anterior ilium for mandibular augmentation. Beirne OR. **Int J Oral Maxillofac Surg** 1986 Jun;15(3):269–72
Titanium mesh and particulate cancellous bone and marrow grafts to augment the maxillary alveolar ridge. Gongloff RK, et al. **Int J Oral Maxillofac Surg** 1986 Jun;15(3):263–8
Augmentation with hydroxylapatite and vestibuloplasty in the atrophic maxilla with a flabby ridge. Härle F. **J Maxillofac Surg** 1985 Oct;13(5):209–12
Hydroxylapatite alveolar ridge reconstruction: clinical experiences, complications, and technical modifications. Kent JN, et al. **J Oral Maxillofac Surg** 1986 Jan;44(1):37–49
Composite graft for mandibular alveolar ridge augmentation: a preliminary report. Kraut RA. **J Oral Maxillofac Surg** 1985 Nov;43(11):856–9
Augmentation of the atrophic mandible with interposed bone grafts and particulate hydroxylapatite. Stoelinga PJ, et al. **J Oral Maxillofac Surg** 1986 May;44(5):353–60
Hydroxyapatite for alveolar ridge augmentation: indications and problems. Desjardins RP. **J Prosthet Dent** 1985 Sep; 54(3):374–83
Combined hydroxylapatite augmentation and lip-switch vestibuloplasty in the mandible. Jensen OT. **Oral Surg Oral Med Oral Pathol** 1985 Oct;60(4):349–55
[Absolute alveolar ridge augmentation in a retrospective comparison of 2 methods] Emslander E. **Schweiz Monatsschr Zahnmed** 1985 Aug;95(8):656–63 (Eng. Abstr.) **(Ger)**
[Reconstruction of the alveolar process using molded and compressed spongiosa. A clinical and experimental study] Müller W, et al. **Zahn Mund Kieferheilkd** 1985;73(5):464–70 (Eng. Abstr.) **(Ger)**
[Use of calcium hydroxyapatite in oromaxillofacial surgery. II. The treatment of mandibular atrophy. The surgical technic and case presentation] Ferrari Parabita G, et al. **Minerva Stomatol** 1985 Jul–Aug;34(4):725–34 (Eng. Abstr.) **(Ita)**
[Full-thickness onlay grafts in the correction of the deformity of partially edentulous ridges] Zarone F, et al. **Minerva Stomatol** 1986 Jun;35(6):637–49 (Eng. Abstr.) **(Ita)**

PSYCHOLOGY

The effects of combined psychological and controlled clinical management of preprosthetic surgery patients. Watson CJ, et al. **Br Dent J** 1985 Nov 9;159(9):286–91

SURGERY, OUTPATIENT see **AMBULATORY SURGERY**

SURGERY, PLASTIC

Microtia: a personal case study. Carey JS. **Aesthetic Plast Surg** 1985;9(3):197–206
The use of an integral tissue expander for primary breast reconstruction. Lapin R, et al. **Aesthetic Plast Surg** 1985; 9(3):221–6
Suggested nomenclature for aesthetic and reconstructive surgery of the breast. Part III: Gynecomastia. Letterman G, et al. **Aesthetic Plast Surg** 1986;10(1):55–7
Suggested nomenclature for aesthetic and reconstructive surgery of the breast. Part II: Augmentation mammoplasty and mastopexy. Letterman G, et al. **Aesthetic Plast Surg** 1985;9(4):293–6
Dissociative anesthesia in ambulatory plastic surgery: a 10-year experience. Vinnik CA. **Aesthetic Plast Surg** 1985; 9(4):255–6

Augmentation mammaplasty approach to pacemaker implantation. Allan D. **Ann Plast Surg** 1985 Sep;15(3):242–3
Augmentation mammaplasty: the surgical and psychological effects of the operation and prediction of the result. Beale S, et al. **Ann Plast Surg** 1985 Jun;14(6):473–93
Cardiovascular reactions associated with the use of ketamine and epinephrine in plastic surgery. Cabbabe EB, et al. **Ann Plast Surg** 1985 Jul;15(1):50–6
Regional societies of plastic surgeons: why? [editorial] Courtiss EH. **Ann Plast Surg** 1985 Aug;15(2):87–9
Upper and lower lip reconstruction using the step technique. Dado DV, et al. **Ann Plast Surg** 1985 Sep;15(3):204–11
Metastatic melanoma of the lacrimal sac. Economides NG, et al. **Ann Plast Surg** 1985 Sep;15(3):244–6
Management of perioral burn scarring in the child and adolescent. Neale HW, et al. **Ann Plast Surg** 1985 Sep; 15(3):212–7
The double–eyelid operation in Japan: its evolution as related to cultural changes. Shirakabe Y, et al. **Ann Plast Surg** 1985 Sep;15(3):224–41
Crane principle of the cross–leg fasciocutaneous flap: aesthetically pleasing technique for damaged dorsum of foot. Uhm KI, et al. **Ann Plast Surg** 1985 Sep;15(3):257–61
Plastic surgery in a rural African hospital: spectrum and implications. Goodacre TE. **Ann R Coll Surg Engl** 1986 Jan;68(1):42–4
The correction of scalp hair defects by tissue expansion. Roberts AH, et al. **Ann R Coll Surg Engl** 1986 Mar; 68(2):89–92
Paget's disease of the nipple after subcutaneous mastectomy for cancer with primary reconstruction. Shearman CP, et al. **Ann R Coll Surg Engl** 1986 Jan;68(1):17–8
Conservative treatment for breast cancer. Complications requiring reconstructive surgery. Bostwick J 3d, et al. **Ann Surg** 1986 May;203(5):481–90
The surgical treatment of fibrous dysplasia. With emphasis on recent contributions from cranio–maxillo–facial surgery. Edgerton MT, et al. **Ann Surg** 1985 Oct;202(4):459–79
Adjunct hyperbaric oxygen therapy in periorbital reconstruction. Gonnering RS, et al. **Arch Ophthalmol** 1986 Mar;104(3):439–43
One–stage simple mastectomy with immediate reconstruction for high–risk patients. An improved technique: the biologic basis for ductal–glandular mastectomy. Bland KI, et al. **Arch Surg** 1986 Feb;121(2):221–5
Plastic and reconstructive treatment of facial skin lesions. Kastenbauer E. **Auris Nasus Larynx** 1985;12 Suppl 2:S135–7
Functional reconstruction for unilateral recurrent laryngeal nerve paralysis caused by thyroid cancer. Sato F, et al. **Auris Nasus Larynx** 1985;12 Suppl 2:S210–6
Breast reconstruction using a rectus abdominis musculocutaneous flap: 5 yr follow–up. Robbins TH. **Aust NZ J Surg** 1985 Feb;55(1):65–7
$137,000 verdict against surgeon reversed by court. **Bol Asoc Med PR** 1985 Nov;77(11):486
Blindness following cosmetic blepharoplasty—a review. Mahaffey PJ, et al. **Br J Plast Surg** 1986 Apr;39(2):213–21 (27 ref.)
Craniofacial operations and specialised centres: should they have a monopoly? Montandon D, et al. **Br J Plast Surg** 1986 Jan;39(1):35–41
The fate of free omental transfers. Ohtsuka H, et al. **Br J Plast Surg** 1985 Oct;38(4):478–82
Altered anterior axillary fold in radical mastectomy still present after breast reconstruction. Rubin G. **Br J Radiol** 1986 Feb;59(698):178–9
Successful reconstruction following circumcision with diathermy. Azmy A, et al. **Br J Urol** 1985 Oct;57(5):587–8
Computers in plastic surgery. **Clin Plast Surg** 1986 Jul; 13(3):349–548
Symposium on cleft lip and cleft palate. **Clin Plast Surg** 1985 Oct;12(4):519–769
Plastic surgery. **Clin Podiatr Med Surg** 1986 Apr;3(2):221–383
Cosmetic surgery with computers. Llaurado JG. **Int J Biomed Comput** 1986 Jul;19(1):7–8
Use of acute phase protein changes to assess the effects of a nonsteroidal antiinflammatory drug (niflumic acid) on the inflammation process induced by limited plastic surgery. Bienvenu J, et al. **Int J Clin Pharmacol Res** 1985; 5(4):269–72
Cobblestone grafting [letter] Field LM. **J Dermatol Surg Oncol** 1985 Oct;11(10):958–9
Parents' and physicians' perceptions of facial plastic surgery in children with Down's syndrome. Pueschel SM, et al. **J Ment Defic Res** 1986 Mar;30 (Pt 1):71–9
The otolaryngologist's attitude to facial plastic surgery. Adamson PA, et al. **J Otolaryngol** 1986 Jun;15(3):196–200
Total facial rejuvenation. Chapnik JS, et al. **J Otolaryngol** 1985 Oct;14(5):330–2
Heel reconstruction with flexor digitorum brevis musculocutaneous flap. Stevenson TR, et al. **J Pediatr Orthop** 1985 Nov–Dec;5(6):713–6
A study of in–patients aged 60 years and over treated in the Department of Plastic Surgery, Dundee Royal Infirmary, in 1983. Low CD. **J R Nav Med Serv** 1985 Winter;71(3):171–5
11th annual meeting of the Japanese Society of Reconstructive Microsurgery. November 2, 1984, Fukui, Japan. **J Reconstr Microsurg** 1986 Jan;2(2):131–40
Application of microsurgery in plastic and reconstructive surgery. Chang TS, et al. **J Reconstr Microsurg** 1984 Jul; 1(1):55–63
Facial resurfacing at Shriners Burns Institute: a 16–year experience in young burned patients. Almaguer E, et al. **J Trauma** 1985 Nov;25(11):1081–2
Classification and surgical correction of postburn axillary contractures. Hanumadass M, et al. **J Trauma** 1986 Mar; 26(3):236–40
Long–term followup of cosmetic appearance and genital function in boys with exstrophy: review of 53 patients. Mesrobian HG, et al. **J Urol** 1986 Jul;136(1 Pt 2):256–8
Plastic surgery in India. Antia NH. **Kelo J Med** 1985 Sep; 34(3):179–83
Design of incisions for pectoralis myocutaneous flaps in women. Colman MF, et al. **Laryngoscope** 1986 Jun; 96(6):695–6
Achieving symmetry in browplasty. Jarchow RC. **Laryngoscope** 1986 Aug;96(8):837–9
Augmentation mammaplasty. Riddle LB. **Nurse Pract** 1986 Mar;11(3):30–2, 34, 39–40
A combined facial, orbital and intracranial resection of extensive basal cell carcinoma arising in the eyelid. Hornblass A, et al. **Ophthalmic Surg** 1985 Dec; 16(12):769–73
Choice of procedure. Enucleation, evisceration, or prosthetic fitting over globes. Dortzbach RK, et al. **Ophthalmology** 1985 Sep;92(9):1249–55
Total reconstruction of aplasia cutis congenita involving scalp, skull, and dura. Argenta LC, et al. **Plast Reconstr Surg** 1986 Apr;77(4):650–3
Facial form analysis of the lower and middle face. Barnett A, et al. **Plast Reconstr Surg** 1986 Aug;78(2):158–65
The use of intradermal tattoo to enhance the final result of nipple–areola reconstruction. Becker H. **Plast Reconstr Surg** 1986 Apr;77(4):673–6
Staphylococcus epidermidis and infection following augmentation mammaplasty [letter] Blue AI. **Plast Reconstr Surg** 1985 Dec;76(6):969
Epidural morphine following abdominoplasty [letter] Brodsky JB, et al. **Plast Reconstr Surg** 1986 Jul;78(1):125–6
Complication with gluteal prosthesis [letter] Buchuk L. **Plast Reconstr Surg** 1986 Jun;77(6):1012
Capsular contracture: a prospective study of the effect of local antibacterial agents. Burkhardt BR, et al. **Plast Reconstr Surg** 1986 Jun;77(6):919–32
Fetal surgery: a frontier for plastic surgery [editorial] Christ JE. **Plast Reconstr Surg** 1986 Apr;77(4):645–7
The pinwheel flap nipple and barrier areola graft reconstruction. Cohen IK, et al. **Plast Reconstr Surg** 1986 Jun;77(6):995–9
Review of the morbidity of 300 free–flap donor sites. Colen SR, et al. **Plast Reconstr Surg** 1986 Jun;77(6):948–53
The relationship between breast cancer and augmentation mammaplasty: an epidemiologic study. Deapen DM, et al. **Plast Reconstr Surg** 1986 Mar;77(3):361–8
Labeled leukocyte scans for detection of retained polyurethane foam. Ellenberger P, et al. **Plast Reconstr Surg** 1986 Jan;77(1):77–9
Preoperative computerized video imaging [letter] Gorney M. **Plast Reconstr Surg** 1986 Aug;78(2):268
Lipexhairesis versus lipexeresis [letter] Grazer FM. **Plast Reconstr Surg** 1986 May;77(5):857–9
Further comments on breast reduction [letter] Hoehn JG, et al. **Plast Reconstr Surg** 1986 Jul;78(1):128–9
Another dimension for informed consent [letter] Jacobs EW. **Plast Reconstr Surg** 1986 Jul;78(1):120
The use of prophylactic antibacterials in plastic surgery: a 1980s update. Krizek TJ, et al. **Plast Reconstr Surg** 1985 Dec;76(6):953–63
Reduction mammaplasty with short inframammary scars [letter] Lassus C. **Plast Reconstr Surg** 1986 Apr;77(4):680–1
Autotransfusion in elective plastic surgical operations. Mandel MA. **Plast Reconstr Surg** 1986 May;77(5):767–71
What is cosmetic surgery? [letter] Manstein CH. **Plast Reconstr Surg** 1986 Jul;78(1):121
Cosmetic and reconstructive breast surgery in blacks. Ofodile FA, et al. **Plast Reconstr Surg** 1985 Nov;76(5):708–12
A continuous breast irrigation system. Rigg BM. **Plast Reconstr Surg** 1986 Jul;78(1):102–3
Jewish law and cosmetic surgery. Snyderman RK. **Plast Reconstr Surg** 1986 Aug;78(2):259
Rehabilitation of the face in patients with Down's syndrome. Wexler MR, et al. **Plast Reconstr Surg** 1986 Mar; 77(3):383–93
Leechmania in microsurgery. Rao P, et al. **Practitioner** 1985 Oct;229(1408):901–5
Tissue expansion in reconstructive surgery. A case report. De Greef A. **S Afr Med J** 1986 May 24;69(11):705–7
Plastic and reconstructive surgery: perspectives on recent advances. Habal MB. **South Med J** 1986 Mar;79(3):299–302 (6 ref.)
The potentials of the saphenous vein in reconstructive surgery of the arteries—state of the art. Deutsch M. **Thorac Cardiovasc Surg** 1985 Dec;33(6):385–8
Prosthetic graft infections: a review of 720 arterial prosthetic reconstructions. Jensen LJ, et al. **Thorac Cardiovasc Surg** 1985 Dec;33(6):389–91
Crural arterial reconstruction with an adjunct arteriovenous fistula for limb salvage. Kortmann H, et al. **Thorac Cardiovasc Surg** 1985 Dec;33(6):382–4
Below–knee reconstructions with the human umbilical veins—three–year results. Largiadèr J. **Thorac Cardiovasc Surg** 1985 Dec;33(6):377–381
The incidence of cancer in contralateral reduction mammaplasty after mastectomy and reconstruction of the removed breast. de Mascarel I, et al. **Tumori** 1986 Apr 30;72(2):183–6
[Reconstruction of maxillofacial defects and malformations with a carbon and titanium alloy] Ying RQ. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Nov;20(6):351–3, 383 (Eng. Abstr.) (Chi)
[Facial cleft] Zhou ZY. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Nov;20(6):366–8 (Chi)
[Upper eyelid depression following eye–ball enucleation corrected by intra–orbital autotransplantation of costal cartilage: report of 45 cases] Kong FH. **Chung Hua Yen Ko Tsa Chih** 1985 Jul;21(4):193–6 (Chi)
[Acupuncture anesthesia in plastic surgery] Chen EJ. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1985 Oct; 7(5):403–6 (Eng. Abstr.) (Chi)
[The Plastic Surgery Study Group. Modern reconstructive procedures of the mouth, pharynx and cervical trachea] **Arch Otorhinolaryngol [Suppl]** 1985;2:34–52 (Ger)
[Potential applications of continuous–wave ultrasound Doppler sonography to the orofacial area. I. The technic and potential uses with special reference to plastic and restorative oromaxillofacial surgery] Niekisch R. **Zahn Mund Kieferheilkd** 1985;73(8):822–7 (Eng. Abstr.) (Ger)
[The technic of sub–vigil anesthesia in plastic–reconstructive surgery] D'Eramo C, et al. **Acta Biomed Ateneo Parmense** 1986;57(1–2):39–44 (Eng. Abstr.) (Ita)
[Tissucol in plastic surgery: main clinical applications] Azzolini A, et al. **Minerva Chir** 1986 Jun 30; 41(11–12):1025–38 (Eng. Abstr.) (Ita)
[Current reconstructive methods in the cervical region] Donati L, et al. **Minerva Chir** 1986 Apr 30;41(8):677–89 (Eng. Abstr.) (Ita)
[Reducing surgery of the abdominal wall in gynecology] Bertoli PE, et al. **Minerva Ginecol** 1986 Jun;38(6):507–22 (Eng. Abstr.) (Ita)
[Trends in the therapy of cleft lip] Francesconi G, et al. **Pediatr Med Chir** 1982 Nov–Dec;4(6):669–73 (Eng. Abstr.) (Ita)
[Reconstruction of the thumb] Miura T. **Nippon Seikeigeka Gakkai Zasshi** 1985 Aug;59(8):873–84 (Jpn)
[Avulsion injuries] Veholmen O, et al. **Tidsskr Nor Laegeforen** 1985 Aug 10;105(22):1383–4 (Nor)
[Method of assessing the cosmetics status in ophthalmic plastic surgery] Kataev MG, et al. **Vestn Oftalmol** 1986 Jan–Feb;102(1):31–3 (Eng. Abstr.) (Rus)
[New surgical technic for the reconstruction of partial lip defects following tumor resection: the lip hatch flap] Gálvez García AM. **Rev Esp Oncol** 1984;31(3):503–9 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

The various etiological factors of 'hard capsule' formation in breast augmentations [letter] Puckett L. **Aesthetic Plast Surg** 1985;9(4):300–1
Silicone granuloma following closed capsulotomy of mammary prosthesis. Apesos J, et al. **Ann Plast Surg** 1985 May;14(5):403–6
Calcified capsule following augmentation mammaplasty. Cocke WM Jr, et al. **Ann Plast Surg** 1985 Jul;15(1):61–5
Heating pad burns in anesthetic skin. Stevenson TR, et al. **Ann Plast Surg** 1985 Jul;15(1):73–5
Ocular motility disturbances following cosmetic blepharoplasty. Harley RD, et al. **Arch Ophthalmol** 1986 Apr;104(4):542–4
The complications of tissue expansion in the burned scalp. Cullen KW, et al. **Burns Incl Therm Inj** 1986 Apr; 12(4):273–6
Complications of otoplasty. Adamson PA. **Ear Nose Throat J** 1985 Dec;64(12):568–74
Complications of the forehead lift. Beeson WH, et al. **Ear Nose Throat J** 1985 Dec;64(12):575–83
Complications of rhytidectomy. Kridel RW, et al. **Ear Nose Throat J** 1985 Dec;64(12):584–92
Problems and complications in the management of upper limb anomalies. Dobyns JH. **Hand Clin** 1986 May;2(2):373–81 (40 ref.)
Facial plastic surgery in an otolaryngology training program. Osguthorpe JD, et al. **Laryngoscope** 1985 Oct;95(10):1255–7
Death following suction lipectomy and abdominoplasty [letter] Christman KD. **Plast Reconstr Surg** 1986 Sep; 78(3):428
Infection after augmentation mammaplasty [letter] Colon GA. **Plast Reconstr Surg** 1986 Sep;78(3):424–5
Abdominoplasty as a combined procedure: added benefit or double trouble? [editorial] Goldwyn RM. **Plast Reconstr Surg** 1986 Sep;78(3):383–4
Late breast pain following reconstruction with polyurethane–covered implants. Jabaley ME, et al. **Plast Reconstr Surg** 1986 Sep;78(3):390–5
Bilateral neuromata of the great auricular nerves 8 years following face lift. Manstein CH, et al. **Plast Reconstr Surg** 1985 Dec;76(6):937–8
Facial skeletal changes following hypertelorbitism correction. Mulliken JB, et al. **Plast Reconstr Surg** 1986 Jan;77(1):7–16

Association between cutaneous occlusive vascular disease, cigarette smoking, and skin slough after rhytidectomy. Riefkohl R, et al. **Plast Reconstr Surg** 1986 Apr;77(4):592–5
Chronic arthropathy occurring after augmentation mammaplasty. Weiner SR, et al. **Plast Reconstr Surg** 1986 Feb;77(2):185–92

ECONOMICS

The baseball strike and plastic surgery [editorial] Goldwyn RM. **Plast Reconstr Surg** 1986 Feb;77(2):299–300

EDUCATION

A simple and inexpensive device for microvascular training. Ramasastry S, et al. **Ann Plast Surg** 1985 May;14(5):462–4
A specific curriculum in facial plastic surgery. Effect on residency training. Thomas JR, et al.
Arch Otolaryngol Head Neck Surg 1986 Jan;112(1):70–2
The place of plastic surgery in the undergraduate surgical curriculum. Rowsell AR. **Br J Plast Surg** 1986 Apr; 39(2):241–3
Computer applications in plastic surgery training programs. Caffee HH. **Clin Plast Surg** 1986 Jul;13(3):375–8
The postresidency fellowship in plastic surgery: its evolution and future. McCarthy JG. **Plast Reconstr Surg** 1985 Nov; 76(5):790–3
Double, double, toil and trouble [editorial] Puckett CL. **Plast Reconstr Surg** 1986 Mar;77(3):468

HISTORY

History of lip reconstruction (cheiloplasty). Hauben DJ. **Acta Chir Plast** 1985;27(3):129–30
Classic reprint. Changes in facial expression as a result of plastic surgery in mongoloid children. By H. Höhler. 1978. **Aesthetic Plast Surg** 1985;9(4):250–3
A brief history of the Plastic Surgery Unit based on Shotley Bridge General Hospital. Bell RC. **Br J Plast Surg** 1986 Jul;39(3):422–31
The formation and early history of the Stoke Mandeville Plastic Surgery Unit. Reidy JP. **Br J Plast Surg** 1986 Jan; 39(1):85–95
The early history of clinical photography for burns, plastic and reconstructive surgery. Wallace AF.
Br J Plast Surg 1985 Oct;38(4):451–65
The otolaryngologist—head and neck surgeon. Adamson PA. **J Otolaryngol** 1985 Dec;14(6):401
Johannes Fredericus Samuel Esser: innovative "structive" surgeon (1877–1946). Haeseker B. **Plast Reconstr Surg** 1986 Jan;77(1):146–54
History of the American Association of Plastic Surgeons, 1979–1985. Williams BH. **Plast Reconstr Surg** 1986 Mar; 77(3):486–94

INSTRUMENTATION

A "giant" punch for reduction mammoplasty.Coello A, et al. **Aesthetic Plast Surg** 1985;9(3):237–8
A simple aid for determination of nipple–areola position. Kon M, et al. **Ann Plast Surg** 1985 Aug;15(2):180–1
Facial bone augmentation using Bioglass in dogs. Merwin GE, et al. **Arch Otolaryngol Head Neck Surg** 1986 Mar; 112(3):280–4
A new design of handle for the Micro-Dermatome. Rosenberg L. **Br J Plast Surg** 1985 Oct;38(4):586–7
Preliminary investigative studies with PDT in dermatologic and plastic surgery. Goldman L, et al.
Lasers Surg Med 1985;5(5):453–6
Surgical thimble for use in augmentation mammaplasty. Capurro S Jr, et al. **Plast Reconstr Surg** 1985 Nov; 76(5):788–9
Son of Gillies, Patiala and Webster [letter] LeWinn LR.
Plast Reconstr Surg 1986 Jun;77(6):1010
Perforation of Adson-type forceps [letter] Perlman SL.
Plast Reconstr Surg 1985 Dec;76(6):970–1
A simple method of intraoperative breast implant sizing [letter] Schmidt GH. **Plast Reconstr Surg** 1985 Nov; 76(5):801–2
Use of ultrasound to locate a "lost" tissue expander injection port. Sellers DS, et al. **Plast Reconstr Surg** 1986 Aug; 78(2):250–1
Concepts and technique in using the new Même prosthesis [letter] Shapiro MA, et al. **Plast Reconstr Surg** 1986 Mar; 77(3):499–500
A simple surgical pointer [letter] Wells HG Jr, et al.
Plast Reconstr Surg 1986 Jun;77(6):1012–3
Double-tipped center-threading suture needle for subcuticular suturing. Yanai A, et al.
Plast Reconstr Surg 1986 Sep;78(3):411–3
[Focus on the use of lasers in plastic surgery. An interview with J. P. Chavoin by G. Flageul] Chavoin JP.
Ann Chir Plast Esthet 1985;30(4):394–6 (Fre)
[Use of Radovan's tissue expander device in reconstructive surgery. Apropos of 3 cases] Ohana J.
Ann Chir Plast Esthet 1986;31(1):86–93 (Eng. Abstr.) (Fre)
[The use of the axial external fastener in reconstructive plastic surgery with cross-leg flap. Technical note] Busanelli T, et al. **Chir Organi Mov** 1985 Oct-Dec;70(4):355–7 (Eng. Abstr.) (Ita)

MANPOWER

The time has come [editorial] Wray RC JR.
Plast Reconstr Surg 1986 May;77(5):821–2

METHODS

Fat suction versus abdominoplasty. Avelar J.
Aesthetic Plast Surg 1985;9(4):265–75
Fat-suction of the submental and submandibular regions. Avelar J. **Aesthetic Plast Surg** 1985;9(4):257–63
Liposuction fat grafts in face wrinkles and hemifacial atrophy. Chajchir A, et al. **Aesthetic Plast Surg** 1986; 10(2):115–7
Lipolysis: pitfalls and problems in a series of 1,246 procedures. Cohen S. **Aesthetic Plast Surg** 1985;9(3):209–14
The modified hexagonal technique for reduction mammoplasty and mastopexy. Elsahy NI.
Aesthetic Plast Surg 1986;10(1):45–50
Dermofat graft for profileplasty. Goldemberg B.
Aesthetic Plast Surg 1986;10(1):41–4
Simultaneous brachioplasty, thoracoplasty, and mammoplasty. Hallock GG, et al. **Aesthetic Plast Surg** 1985;9(3):233–5
Earlobe augmentation. Jemec BI. **Aesthetic Plast Surg** 1986; 10(1):35–6
An "all-season" mammoplasty.Lassus C.
Aesthetic Plast Surg 1986;10(1):9–15
Lipoplasty of the torso in patients over fifty. Lewis CM.
Aesthetic Plast Surg 1985;9(3):215–9
Lipoplasty: treatment for gynecomastia. Lewis CM.
Aesthetic Plast Surg 1985;9(4):287–92
The correction of the prominent ear. Mahler D.
Aesthetic Plast Surg 1986;10(1):29–33
Plastic and aesthetic surgery on children with Down's syndrome. Olbrisch RR. **Aesthetic Plast Surg** 1985; 9(4):241–8
Correction of true periorbital fat herniation in cosmetic lower lid blepharoplasty. Sachs ME, et al.
Aesthetic Plast Surg 1986;10(2):111–4
Double eyelid operations. Song RY, et al.
Aesthetic Plast Surg 1985;9(3):173–80
Correction of the inverted nipple. Yanai A, et al.
Aesthetic Plast Surg 1986;10(1):51–3
Dermis-fat graft for orbital reconstruction after subtotal exenteration. Shore JW, et al. **Am J Ophthalmol** 1986 Aug 15;102(2):228–36
The intramandibular sliding myoosseous graft. A simple technique for immediate reconstruction of selected anterior mandibular defects. Browne GA, et al. **Am J Surg** 1985 Oct;150(4):470–3
Application of microvascular free osteocutaneous flaps in the management of post-radiation recurrent oral cancer. Rosen IB, et al. **Am J Surg** 1985 Oct;150(4):474–9
Tissue expansion as an adjunctive technique for the management of difficult wounds. Sellers DS, et al.
Am J Surg 1986 May;151(5):603–6
Mandibular reconstruction with microvascular bone transfer. Series of 10 patients. Silverberg B, et al. **Am J Surg** 1985 Oct;150(4):440–6
Blepharopigmentation and eyebrow enhancement techniques for maximum cosmetic results. Angres GG.
Ann Ophthalmol 1985 Oct;17(10):605–11
Re: Cabbabe et al: Cranioplasty for traumatic deformities of the frontoorbital area [letter] **Ann Plast Surg** 1985 Jun; 14(6):556–7
A team approach to drool control in cerebral palsy. Brown AS, et al. **Ann Plast Surg** 1985 Nov;15(5):423–30
Face-lift stigmas. Franco T. **Ann Plast Surg** 1985 Nov; 15(5):379–85
Unfavorable results in Oriental blepharoplasty. Hin LC.
Ann Plast Surg 1985 Jun;14(6):523–34
Effective use of portions of the supernumerary digit to correct polydactyly of the thumb. Nakamura J, et al.
Ann Plast Surg 1985 Jul;15(1):7–13
Clinical experience in cranial and facial reconstruction with demineralized bone. Ousterhout DK. **Ann Plast Surg** 1985 Nov;15(5):367–73
Primary breast reconstruction with a subpectoral silicone tissue expander. Paul MD. **Ann Plast Surg** 1985 Nov; 15(5):404–14
The nasolabial fold lift. Riefkohl R. **Ann Plast Surg** 1985 Jul;15(1):1–6
A rationale for the treatment of difficult basal cell and squamous cell carcinomas of the skin. Riefkohl R, et al.
Ann Plast Surg 1985 Aug;15(2):99–104
Breast reconstruction. Use of autogenous tissue. Dinner MI, et al. **AORN J** 1985 Oct;42(4):490–6
The preauricular skin graft in eyelid reconstruction. Dryden RM, et al. **Arch Ophthalmol** 1985 Oct;103(10):1579–81
Correction of a deep superior sulcus with dermis-fat implantation. Van Gemert JV, et al. **Arch Ophthalmol** 1986 Apr;104(4):604–7
Microvascular free flaps in soft-tissue augmentation of the head and neck. Baker SR.
Arch Otolaryngol Head Neck Surg 1986 Jul;112(7):733–7
Liposuction and the platysma muscle. Dedo DD.
Arch Otolaryngol Head Neck Surg 1986 Mar;112(3):306–8
Coronal approach for rejuvenation of the eyes and forehead. Toledo GA, et al. **Arch Otolaryngol Head Neck Surg** 1986 Jul;112(7):738–44
Injectable silicone for facial soft-tissue augmentation. Webster RC, et al. **Arch Otolaryngol Head Neck Surg** 1986 Mar;112(3):290–6
Laryngoplasty using suprahyoid muscles—hyoid transposition laryngoplasty. Morimitsu T, et al.
Auris Nasus Larynx 1985;12 Suppl 2:S196–9
Pharyngeal reconstruction after total laryngectomy with preservation of phonation. Singer MI, et al.
Auris Nasus Larynx 1985;12 Suppl 2:S206–9
Human amnion in the treatment of vaginal malformations. Morton KE, et al. **Br J Obstet Gynaecol** 1986 Jan; 93(1):50–4
Measurement of geometric parameters in plastic surgery research: use of the departmental microcomputer. Cormack GC, et al. **Br J Plast Surg** 1986 Jul;39(3):307–11
The small ptotic breast: reposition autoaugmentation mammaplasty. Ho LC. **Br J Plast Surg** 1986 Jan;39(1):76–80
A single stage reconstruction of upper and lower lip by modified Bernard technique. Kumar PA, et al.
Br J Plast Surg 1986 Jul;39(3):386–9
Refinement of the "reverse-U" incision for the repair of cleft lip nose deformity. Nakajima T, et al. **Br J Plast Surg** 1986 Jul;39(3):345–51
Horizontal excision and suture of benign lesions on the upper and lower eyelids: indications and limitations. Ohtsuka H, et al. **Br J Plast Surg** 1986 Jul;39(3):395–401
Reanimation of lower lip reconstructed by flaps. Sawhney CP. **Br J Plast Surg** 1986 Jan;39(1):114–7
The use of an independent panel to assess the long term results of cleft lip repair. Saxby PJ, et al.
Br J Plast Surg 1986 Jul;39(3):373–8
The search for volumetric symmetry in reconstruction of the breast after mastectomy. Ward C, et al.
Br J Plast Surg 1986 Jul;39(3):379–85
The Z in Z-plasty must have a long trunk. Yanai A, et al.
Br J Plast Surg 1986 Jul;39(3):390–4
The role of greater omentum in reconstructing skin and soft tissue defects of the groin and axilla. Watkins RM, et al.
Br J Surg 1985 Nov;72(11):925–6
A new technique to reconstruct the glans penis in a patient with a Buschke-Loewenstein tumour. Costa H, et al.
Br J Urol 1985 Oct;57(5):596
Rebuilding the cervico-mandibular angle—correcting a deformity of neck burns. Mimoun M, et al.
Burns Incl Therm Inj 1986 Apr;12(4):264–9
Use of tissue expanders after burns and other injuries. Wyllie FJ, et al. **Burns Incl Therm Inj** 1986 Apr;12(4):277–82
Computer-aided planning and evaluation of facial and orthognathic surgery. Cutting C, et al. **Clin Plast Surg** 1986 Jul;13(3):449–62
Reconstruction following head and neck burns. Neale HW, et al. **Clin Plast Surg** 1986 Jan;13(1):119–36
Repair of bilateral cleft lip: Millard's technique. Trier WC.
Clin Plast Surg 1985 Oct;12(4):605–25
Correction of residual deformities of the lip and nose in repaired clefts of the primary palate (lip and alveolus). Wilson LF. **Clin Plast Surg** 1985 Oct;12(4):719–33
The art of making an incision. Miller SJ.
Clin Podiatr Med Surg 1986 Apr;3(2):223–33
Minimal incision surgery. A plastic technique or a cover-up? Van Enoo RE, et al. **Clin Podiatr Med Surg** 1986 Apr; 3(2):321–35
Reconstruction of an ablated breast. Scarfì A, et al.
Eur J Gynaecol Oncol 1986;7(2):93–6
Entire pharyngoesophageal reconstruction with latissimus dorsi myocutaneous island flap. Yamamoto K, et al.
Head Neck Surg 1985 Jul-Aug;7(6):461–4
Blepharoplasty and browlift with surgical variations in non-white patients. Chrisman BB.
J Dermatol Surg Oncol 1986 Jan;12(1):58–66
Radialization as a new treatment for radial club hand. Buck-Gramcko D. **J Hand Surg [Am]** 1985 Nov;10(6 Pt 2):964–8
Soft tissue expanders in upper limb surgery. Mackinnon SE, et al. **J Hand Surg [Am]** 1985 Sep;10(5):749–54
Report of Panel on Paralytic Deformities (including leprosy). Pulvertaft RG, et al. **J Hand Surg [Am]** 1985 Nov;10(6 Pt 2):975–8
Dermadesis and flexor pulley advancement: first report on a simple operation for correction of paralytic claw fingers in patients with leprosy. Srinivasan H.
J Hand Surg [Am] 1985 Nov;10(6 Pt 2):979–82
Treatment of macrodactyly. Tsuge K. **J Hand Surg [Am]** 1985 Nov;10(6 Pt 2):968–9
Hand injuries in the textile industry. Myles SM, et al.
J Hand Surg [Br] 1985 Oct;10(3):293–6
Reconstruction of the cheek after cancer surgery. Grewal DS. **J Laryngol Otol** 1986 Jul;100(7):817–22
Reconstruction of the partially ablated auricle. Tiwari RM.
J Laryngol Otol 1986 Aug;100(8):929–33
The forehead lift: refinements in surgical technique. Adamson PA. **J Otolaryngol** 1986 Apr;15(2):89–93
Bladder mucosa graft for construction of male urethra. Hendren WH, et al. **J Pediatr Surg** 1986 Mar;21(3):189–92
An eleven year follow-up case of facial hemiatrophy treated by combined approaches of craniofacial and microvascular surgeries. Fujino T, et al. **Keio J Med** 1985 Jul;34(2):123–8
Tissue expansion [editorial] **Lancet** 1986 Jun 14; 1(8494):1364–5
The nasal bossa: a complication of rhinoplasty. Kamer FM, et al. **Laryngoscope** 1986 Mar;96(3):303–7
Three-dimensional computed tomographic scanning and major surgical reconstruction of the head and neck. Jackson IT, et al. **Mayo Clin Proc** 1986 Jul;61(7):546–55
Thoracic wall defects: surgical management of 205 consecutive patients. Pairolero PC, et al.
Mayo Clin Proc 1986 Jul;61(7):557–63

Single stage composite resection and reconstruction of malignant anterior skull base tumors. Rosen HM, et al. **Neurosurgery** 1986 Jan;18(1):7–11

Abdominoplasty combined with gynecologic surgical procedures. Voss SC, et al. **Obstet Gynecol** 1986 Feb; 67(2):181–5

Management of complications following dermis-fat grafting for anophthalmic socket reconstruction. Shore JW, et al. **Ophthalmology** 1985 Oct;92(10):1342–50

Reconstruction of the posterior cruciate ligament. Eriksson E, et al. **Orthopedics** 1986 Feb;9(2):217–20

Stalked patellar tendon graft in reconstruction of the anterior cruciate ligament. Eriksson E. **Orthopedics** 1986 Feb; 9(2):205–11

Chin reconstruction with pectoralis myocutaneous flap. Berktold RE, et al. **Otolaryngol Head Neck Surg** 1986 Feb; 94(2):181–6

A new technique for total reconstruction of the lower lip in a patient with malignant melanoma. Conley JJ, et al. **Otolaryngol Head Neck Surg** 1986 Mar;94(3):393–7

Facial profileplasty by liposuction extraction. Newman J, et al. **Otolaryngol Head Neck Surg** 1985 Dec;93(6):718–31

Tagliacotian cross-arm flap reconstruction of facial defects. Wilson DE, et al. **Otolaryngol Head Neck Surg** 1986 Feb; 94(2):219–23

Suction lipectomy of the neck [letter] **Plast Reconstr Surg** 1986 Aug;78(2):264–6

Surgical management of the radiated chest wall. Arnold PG, et al. **Plast Reconstr Surg** 1986 Apr;77(4):605–12

The lip lift. Austin HW. **Plast Reconstr Surg** 1986 Jun; 77(6):990–4

Early surgical intervention in Apert's syndactyly. Barot LR, et al. **Plast Reconstr Surg** 1986 Feb;77(2):282–7

Effects of different-shaped tissue expanders on transluminal pressure, oxygen tension, histopathologic changes, and skin expansion in pigs. Brobmann GF, et al. **Plast Reconstr Surg** 1985 Nov;76(5):731–6

Split jejunal free-tissue transfer in oropharyngoesophageal reconstruction. Buckspan GS, et al. **Plast Reconstr Surg** 1986 May;77(5):717–28

Clinical experience with Heyer-Schulte inflatable implants in breast augmentation. Capozzi A. **Plast Reconstr Surg** 1986 May;77(5):772–8

Levator advancement technique for eyelid ptosis. Carraway JH, et al. **Plast Reconstr Surg** 1986 Mar;77(3):394–403

Suction lipectomy of the neck. Courtiss EH. **Plast Reconstr Surg** 1985 Dec;76(6):882–9

Three-dimensional computer-assisted design of craniofacial surgical procedures: optimization and interaction with cephalometric and CT-based models. Cutting C, et al. **Plast Reconstr Surg** 1986 Jun;77(6):877–87

Breast reconstruction using modified tissue expansion. Dick GO, et al. **Plast Reconstr Surg** 1986 Apr;77(4):613–20

Polyurethane-coated implants [letter] Dolsky RL. **Plast Reconstr Surg** 1985 Dec;76(6):974–5

Reconstruction of the cleft earlobe with preservation of the perforation for an earring. Elsahy NI. **Plast Reconstr Surg** 1986 Feb;77(2):322–4

Guided osteotome technique [letter] Hendel P. **Plast Reconstr Surg** 1986 Apr;77(4):682

Breast reduction utilizing the maximally vascularized central breast pedicle. Hester TR Jr, et al. **Plast Reconstr Surg** 1985 Dec;76(6):890–900

Recurrent deformities following reduction mammaplasty and correction of breast asymmetry. Hoffman S. **Plast Reconstr Surg** 1986 Jul;78(1):55–62

The lateral thoracodorsal flap in breast reconstruction. Holmström H, et al. **Plast Reconstr Surg** 1986 Jun; 77(6):933–43

Surgical techniques for a deep concha, a pseudomeatus, and high projection in congenital microtia. Isshiki N, et al. **Plast Reconstr Surg** 1986 Apr;77(4):546–57

A new method for fixation of external prostheses. Jackson IT, et al. **Plast Reconstr Surg** 1986 Apr;77(4):668–72

Expanders for male pattern baldness [letter] Lamont E. **Plast Reconstr Surg** 1986 May;77(5):859

"Saline float" positioning of the polyurethane-covered breast prosthesis. LoVerme PJ, et al. **Plast Reconstr Surg** 1986 May;77(5):845–6

Earlobe repair [letter] Madzharov M. **Plast Reconstr Surg** 1986 May;77(5):857

A Z-mammaplasty with minimal scarring. Maillard GF. **Plast Reconstr Surg** 1986 Jan;77(1):66–76

Frontal cranioplasty: risk factors and choice of cranial vault reconstructive material. Manson PN, et al. **Plast Reconstr Surg** 1986 Jun;77(6):888–904

Reduction mammaplasty with short inframammary scar [letter] Marchac D. **Plast Reconstr Surg** 1986 May; 77(5):859–60

Mohs' technique [letter] Marley WM. **Plast Reconstr Surg** 1986 Jan;77(1):160–1

Cryptophthalmia: one-stage reconstruction. Miskinyar SA, et al. **Plast Reconstr Surg** 1986 Feb;77(2):301–3

Surgical treatment of Stahl's ear using the periosteal string. Nakayama Y, et al. **Plast Reconstr Surg** 1986 Feb; 77(2):222–6

Crescent mastopexy and augmentation [letter] Nigro DM. **Plast Reconstr Surg** 1985 Nov;76(5):802–3

Repeated skin expansion to resurface a massive thigh wound. Sellers DS, et al. **Plast Reconstr Surg** 1986 Apr;77(4):654–9

The nipple–areola and mammary blood supply [letter] Shapiro MA. **Plast Reconstr Surg** 1986 Jul;78(1):129

The sit-up position for breast reconstruction. Smoot EC, et al. **Plast Reconstr Surg** 1986 Jan;77(1):60–5

Crescent mastopexy and augmentation [letter] Snow JW. **Plast Reconstr Surg** 1986 Jan;77(1):161–2

A lengthened omental pedicle in facial reconstruction. Spear SL, et al. **Plast Reconstr Surg** 1986 May;77(5):828–31

Cigarette smoking and face lift: conservative versus wide undermining. Webster RC, et al. **Plast Reconstr Surg** 1986 Apr;77(4):596–604

Aesthetic surgery of the supraorbital ridge and forehead structures. Whitaker LA, et al. **Plast Reconstr Surg** 1986 Jul;78(1):23–32

Individual modifications in body contour surgery: the "limited" abdominoplasty.Wilkinson TS, et al. **Plast Reconstr Surg** 1986 May;77(5):779–84

Pitfalls in percutaneous filling of the tissue expander [letter] Yang CC. **Plast Reconstr Surg** 1986 Feb;77(2):339–40

Body contouring by liposuction. A 3-year experience with 1 309 procedures. Cohen S. S **Afr Med J** 1986 Feb 15; 69(4):241–4

Nasolacrimal obstruction in craniofacial surgery. Lauritzen C, et al. **Scand J Plast Reconstr Surg** 1985;19(3):269–72

Progress in limb salvage arterial surgery: components and results of an aggressive approach. Veith FJ. **Thorac Cardiovasc Surg** 1985 Dec;33(6):374–6

[Adjacent advancement flap with subcutaneous pedicle for facial defect] Xie GC. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Jul;20(4):200–2, 253–4 (Eng. Abstr.) (Chi)

[Lateral trapezius myocutaneous island flap: anatomic study and its clinical application] Zhang YF. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Jul;20(4):211–4, 254 (Eng. Abstr.) (Chi)

[Modern surgical possibilities in craniofacial malformations] Kozák J, et al. **Rozhl Chir** 1985 Jul;64(7):511–8 (Eng. Abstr.) (Cze)

[Craniofacial surgery in the management of severe congenital abnormalities] Lilja J, et al. **Duodecim** 1986;102(8):470–82 (Eng. Abstr.) (Fin)

[Personal experience with lower lip reconstruction using the Camille Bernard and R.C. Webster flap. Apropos of 35 cases] Greco JM, et al. **Ann Chir Plast Esthet** 1985; 30(3):221–8 (Eng. Abstr.) (Fre)

[Mastectomy: proposal for a preparatory approach to reconstruction] Mouthuy B, et al. **Ann Chir Plast Esthet** 1986;31(1):69–72 (Eng. Abstr.) (Fre)

[Reconstruction of a thumb] Revol M. **Ann Chir Plast Esthet** 1985;30(4):384–7 (Eng. Abstr.) (Fre)

[Surgical correction of the inverted nipple] Simons G, et al. **Ann Chir Plast Esthet** 1985;30(3):268–72 (Eng. Abstr.) (Fre)

[Esthetic care in reconstructive microsurgery] Toth BA. **Ann Chir Plast Esthet** 1985;30(4):379–83 (Eng. Abstr.) (Fre)

[Repair of the orbital cavity by a dermoadipose graft after enucleation] Varene B, et al. **J Fr Ophtalmol** 1986; 9(1):45–53 (Eng. Abstr.) (Fre)

[Loss of cutaneous tissue of the face and its repair. Apropos of 35 cases] Guiga M, et al. **Tunis Med** 1986 Feb; 64(2):147–50 (Eng. Abstr.) (Fre)

[Plastic operations in aplasia of the vagina] Richter K. **Arch Gynecol** 1985;238(1–4):399–416 (Ger)

[Esthetic surgery of the lower third of the face] Kesselring UK, et al. **Handchir Mikrochir Plast Chir** 1986 Mar; 18(2):96–9 (Eng. Abstr.) (Ger)

[Surgical treatment of symmastia] Steffens K, et al. **Handchir Mikrochir Plast Chir** 1985 Sep;17(5):245–6 (Eng. Abstr.) (Ger)

[Reconstruction of the burned face using skin expanders] von Szalay L. **HNO** 1985 Sep;33(9):413–5 (Eng. Abstr.) (Ger)

[Removal of ornamental and dirt tattoos from the face] Gehring W, et al. **Z Hautkr** 1985 Sep 1;60(17):1373–81 (Eng. Abstr.) (Ger)

[Reconstructive plastic surgery of fronto-orbital fibrous dysplasia] Otsuka S, et al. **Nippon Geka Hokan** 1985 Sep 1;54(5):378–82 (Eng. Abstr.) (Jpn)

[Plastic replacement of postoperative facial defects] Sidorov SD. **Stomatologiia (Mosk)** 1986 Mar–Apr;65(2):56–8 (Eng. Abstr.) (Rus)

[Plastic surgery of the sequelae of suppurative mastitis] Vishnevskii AA, et al. **Vestn Khir** 1985 Sep;135(9):104–8 (Eng. Abstr.) (Rus)

[A modified Ariyan's procedure for myocutaneous flaps in head and neck tumors] Kásler M, et al. **Vopr Onkol** 1985; 31(11):25–9 (Eng. Abstr.) (Rus)

[A single-stage reconstruction of the pharynx using a tongue flap] Kralj Z. **Acta Med Iugosl** 1985;39(4):275–82 (Eng. Abstr.) (Scr)

[Reconstruction of a defect of the lower jaw and face due to a gunshot injury] Tošić S, et al. **Chir Maxillofac Plast** 1985;15(3):129–34 (Eng. Abstr.) (Ser)

[Penile-scrotal pyodermitis vegetation and its plastic repair. A case] Fernández Madrigal F, et al. **Actas Urol Esp** 1985 Sep–Oct;9(5):441–4 (Eng. Abstr.) (Spa)

PSYCHOLOGY

Psychological effects of aesthetic facial surgery. Goin MK, et al. **Adv Psychosom Med** 1986;15:84–108

Beauty and the eye of the beholder: social consequences and personal adjustments for facial patients. Arndt EM, et al. **Br J Plast Surg** 1986 Jan;39(1):81–4

Surgery for the psyche: a longitudinal study of women undergoing reduction mammoplasty. Hollyman JA, et al. **Br J Plast Surg** 1986 Apr;39(2):222–4

Psychosocial correlates of immediate versus delayed reconstruction of the breast. Wellisch DK, et al. **Plast Reconstr Surg** 1985 Nov;76(5):713–8

"The buck stops here" [editorial]Wray RC Jr. **Plast Reconstr Surg** 1986 Jul;78(1):85–6

STANDARDS

"Standards" in malpractice [letter]Eade GG. **Plast Reconstr Surg** 1986 Jan;77(1):163–4

[Ethics and plastic surgery. Interview of Dr. L. René by G. Flageul] René L. **Ann Chir Plast Esthet** 1986; 31(1):99–100 (Fre)

TRENDS

Breast reconstruction: current state of the art. Woods JE. **Mayo Clin Proc** 1986 Jul;61(7):579–85

[Reconstructive surgery in Japan] Kárász I. **Magy Traumatol Orthop Helyreallito Sebesz** 1986; 29(1):75–9 (Hun)

VETERINARY

Unethical surgery [letter] Speed JR. **Vet Rec** 1986 Jan 11; 118(2):54–5

[Plastic surgery of the eyelids in the small animal. II. Hereditary ectropion and entropion] Keller M, et al. **Schweiz Arch Tierheilkd** 1986 Apr;128(4):185–93 (Eng. Abstr.) (Ger)

SURGERY, VETERINARY see under **VETERINARY MEDICINE**

SURGICAL DIATHERMY see **ELECTROCOAGULATION**

SURGICAL EQUIPMENT

Clinical results of titanium retinal tacks with pneumatic insertion. Abrams GW, et al. **Am J Ophthalmol** 1986 Jul 15;102(1):13–9

The use of retinal tacks in the repair of complicated retinal detachments. de Juan E Jr, et al. **Am J Ophthalmol** 1986 Jul 15;102(1):20–4

Support of the arms during ESWL [letter] Jones RK, et al. **Anesthesiology** 1986 Sep;65(3):339–40

Another method to secure drapes on i.v. poles [letter] Kataria BK, et al. **Anesthesiology** 1986 Feb;64(2):302

Head and chin cushioned face-rest for surgery in the prone position [letter] Ray CD. **Anesthesiology** 1986 Feb;64(2):301

Extending the range of the surgical keratometer. Russell RS, et al. **Ann Ophthalmol** 1986 Jul;18(7):228–30

Vertical banded gastroplasty: operation for morbid obesity [letter] Harrison RA, et al. **Ann R Coll Surg Engl** 1986 May;68(3):175

Proposed recommended practices. Sterilization and disinfection. **AORN J** 1985 Nov;42(5):734–54

Incorrect counts; surgeon's negligence does not absolve nurses from liability. Murphy EK. **AORN J** 1986 Apr; 43(4):918–24

The electrical hazards of fixed abdominal retractors. Hare RM, et al. **Aust NZ J Surg** 1985 Feb;55(1):29–31

Computed tomographic evaluation of surgical clip artifact: tissue phantom and experimental animal assessment. Silverman PM, et al. **Comput Radiol** 1986 Jan–Feb; 10(1):37–40

Studies on the bacterial permeability of non-woven fabrics and cotton fabrics. Nagai I, et al. **J Hosp Infect** 1986 May; 7(3):261–8

Drill-generated noise levels in mastoid surgery. Spencer MG, et al. **J Laryngol Otol** 1985 Oct;99(10):967–72

Self-retaining retraction in vascular surgery. Veith FJ, et al. **J Vasc Surg** 1986 May;3(5):824

Rigid head fixation for intraoperative computed tomography. Engle DJ, et al. **Neurosurgery** 1986 Aug;19(2):258–62

Weck-Cel sponges and Steri-Drapes burn [letter] Tysinger JW Jr. **Ophthalmic Surg** 1986 Mar;17(3):174

Ziv laryngeal depressor for laser surgery. Ziv M. **Otolaryngol Head Neck Surg** 1986 Mar;94(3):411–2

The septic abdomen: open management with Marlex mesh with a zipper. Hedderich GS, et al. **Surgery** 1986 Apr; 99(4):399–408

[Urologic surgery in prone position using an antistatic fitted mattress] Zerbib M, et al. **Ann Urol (Paris)** 1986;20(3):193–4 (Eng. Abstr.) (Fre)

[Absorbable synthetic clips and pulmonary excision] Nguyen H, et al. **J Chir (Paris)** 1985 Jun–Jul;122(6–7):415–9 (Eng. Abstr.) (Fre)

[Technical aspects of the use of ultrasound diagnosis in surgical interventions] Klotter HJ, et al. **Ultraschall Med** 1986 Apr;7(2):76–82 (Eng. Abstr.) (Ger)

[A new positioning board in the preparation for surgery] Schöllner D, et al. **Z Orthop** 1985 May–Jun;123(3):422–3 (Eng. Abstr.) (Ger)

[Knee fixation for surgical incision] Langenberg R. **Zentralbl Chir** 1986;111(10):625–7 (Ger)

[Pressure sore and thermal blanket injury following a long surgical procedure] Nozaki K, et al. **Masui** 1985 Nov;

34(11):1535–8 (Eng. Abstr.) (Jpn)
[Modification of an intestinal obturator] Podoluzhnyĭ VI, et al. **Khirurgiia (Mosk)** 1985 Oct;(10):91 (Rus)
[Various problems of laser use in therapeutic institutions] Polishchuk EI, et al. **Klin Khir** 1986;(5):43–5 (Eng. Abstr.) (Rus)
[Substitution of an electric lamp in the surgical microscope "Karl Zeiss Jena" (East Germany)] Vilenchuk EA, et al. **Vestn Khir** 1985 Jul;135(7):117–8 (Rus)

ECONOMICS

OR nurse purchasing influence. Results of a recent survey. Colt AM, et al. **AORN J** 1985 Oct;42(4):498–505
Cost accountability in the OR. A case for custom-designed, procedure-ready packs. Kinney GJ, et al. **AORN J** 1986 Jun;43(6):1306, 1308, 1310
Purchasing power. The perioperative nurse's role. Wells MP, et al. **AORN J** 1985 Oct;42(4):508–10
The cost of materials used in Viscosurgery [letter] Hessburg PC. **Ophthalmology** 1986 Feb;93(2):276

STANDARDS

Proposed recommended practices. Basic aseptic technique. **AORN J** 1985 Oct;42(4):566–75
[Requirements for operating tables] Sobchuk VM, et al. **Med Tekh** 1985 Jul–Aug;(4):41–6 (Eng. Abstr.) (Rus)

SURGICAL FLAPS

The use of muscle flaps in leg soft tissue defects. Peeters R, et al. **Acta Chir Belg** 1986 Jan–Feb;86(1):57–62
Operative technique for covering of extensive defects of the soft palate. Khitrov FM, et al. **Acta Chir Plast** 1986; 28(2):84–9
Closure of shotgun defect of popliteal fossa using a lateral gastrocnemius muscle flap. Case report. Podlewski J, et al. **Acta Chir Plast** 1986;28(1):20–4
Tubed flaps for reconstruction of the middle face and nose after en bloc performed resections. Sidorov SD. **Acta Chir Plast** 1985;27(3):168–75
Anatomical notes on gastrocnemius muscle uses for muscle flap preparation. Smrčka V, et al. **Acta Chir Plast** 1986; 28(2):112–20
Gluteus maximus musculocutaneous island flaps and their use in sacral decubitus ulcers. Stockarová D, et al. **Acta Chir Plast** 1985;27(3):176–84
Muscle and myocutaneous flaps in the treatment of pressure sores in paraplegics. Uszynski H, et al. **Acta Chir Plast** 1985;27(3):185–90
Monobloc mobilization of the fronto-temporo-pterional bone flap. Technical note. Lesoin F, et al. **Acta Neurochir (Wien)** 1986;82(1–2):68–70
Reduction mammoplasty by the total dermoglandular pedicle. Moufarrege R, et al. **Aesthetic Plast Surg** 1985; 9(3):227–32
Accordion flap. Yanai A, et al. **Aesthetic Plast Surg** 1986; 10(2):93–5
Epithelialized microvascular iliac crest flap for reconstruction of subglottic and upper tracheal stenosis: a preliminary report. Kambič V, et al. **Am J Otolaryngol** 1986 May–Jun;7(3):157–62
The intramandibular sliding myoosseous graft. A simple technique for immediate reconstruction of selected anterior mandibular defects. Browne GA, et al. **Am J Surg** 1985 Oct;150(4):470–3
Total reconstruction of the hypopharynx and cervical esophagus. Guillamondegui OM, et al. **Am J Surg** 1985 Oct;150(4):422–6
Femoral artery based myocutaneous flap for hemipelvectomy closure: amputation after failed limb-sparing surgery and radiotherapy. Lotze MT, et al. **Am J Surg** 1985 Nov; 150(5):625–30
Application of microvascular free osteocutaneous flaps in the management of post-radiation recurrent oral cancer. Rosen IB, et al. **Am J Surg** 1985 Oct;150(4):474–9
Transaxillary latissimus dorsi flap reconstruction in head and neck cancer. Limitations and refinements in 56 cases. Sabatier RE, et al. **Am J Surg** 1985 Oct;150(4):427–34
Use of the pectoralis major muscle flap for repair of a tracheoesophageal fistula. Siu KF, et al. **Am J Surg** 1985 Nov;150(5):617–9
Bowel obstruction following omental patching of aortic grafts. Foy H, et al. **Am Surg** 1985 Nov;51(11):661–3
Anatomical basis of rectus abdominis myo-cutaneous flaps. Lebeau J, et al. **Anat Clin** 1985;7(4):219–25
Anatomical basis of the posterior brachial skin flap. Masquelet AC, et al. **Anat Clin** 1985;7(3):155–60
Restoration of the pulp with a homodigital neurovascular flap. Massart P, et al. **Ann Chir Main** 1985;4(3):219–25 (Eng, Fre)
Homodigital neurovascular island flaps in hand surgery. A study of sixty cases. Schuind F, et al. **Ann Chir Main** 1985; 4(4):306–15 (Eng, Fre)
The actual indications of cross finger flaps in finger injuries. Souquet R, et al. **Ann Chir Main** 1986;5(1):43–53 (Eng, Fre)
The asymmetric arterial advancement flap in distal pulp loss (modified Hueston's flap. Souquet R. **Ann Chir Main** 1985; 4(3):233–8 (Eng, Fre)
Microsurgical anatomy of the lateral skin flap of the leg. Chen YL, et al. **Ann Plast Surg** 1985 Oct;15(4):313–8
A pair of five-day flaps: early division of distant pedicles after serial cross-clamping and observation with oximetry and fluorometry. Furnas DW, et al. **Ann Plast Surg** 1985 Sep;15(3):262–7
Burn wound excision and local flap closure. Gahhos FN, et al. **Ann Plast Surg** 1985 Jun;14(6):535–40
Medial upper arm skin flap: vascular anatomy and clinical applications. Gao XS, et al. **Ann Plast Surg** 1985 Oct; 15(4):348–51
The use of two alpha blocking agents, phenoxybenzamine and phentolamine, in ointment and injection form to improve skin flap survival in rats. Goshen J, et al. **Ann Plast Surg** 1985 Nov;15(5):431–5
The early use of free flaps in burns. Grotting J, et al. **Ann Plast Surg** 1985 Aug;15(2):127–31
Lateral lower leg skin flap. Gu YD, et al. **Ann Plast Surg** 1985 Oct;15(4):319–24
Reversed island forearm fascial flap in hand surgery. Jin YT, et al. **Ann Plast Surg** 1985 Oct;15(4):340–7
Free flaps versus conventional surgery. Kobus K, et al. **Ann Plast Surg** 1985 Jul;15(1):14–34
Breast reconstruction with the transverse abdominal island flap using the banked nipple-areola complex in the lower abdomen. Mustafa EB. **Ann Plast Surg** 1985 Jul;15(1):66–72
Island groin flap. Ohtsuka H, et al. **Ann Plast Surg** 1985 Aug; 15(2):143–50
Effect of Fluosol-DA (20%) on skin flap survival in rats. Ramasastry SS, et al. **Ann Plast Surg** 1985 Nov; 15(5):436–42
Internal oblique muscle pedicle flap for coverage of a major soft tissue defect of the groin. Ramasastry SS, et al. **Ann Plast Surg** 1985 Jul;15(1):57–60
Nipple reconstruction with four-lobe composite auricular graft. Rose EH. **Ann Plast Surg** 1985 Jul;15(1):78–81
Extended myofascial thigh flaps for repair of large full-thickness abdominal wall defects. Silberman DA, et al. **Ann Plast Surg** 1985 Aug;15(2):170–6
The combined use of the latissimus dorsi musculocutaneous free flap and split-rib grafts for cranial vault reconstruction. Stueber K, et al. **Ann Plast Surg** 1985 Aug;15(2):155–60
Detecting changes of arterial and venous blood flow in flaps. Svensson H, et al. **Ann Plast Surg** 1985 Jul;15(1):35–40
Crane principle of the cross-leg fasciocutaneous flap: aesthetically pleasing technique for damaged dorsum of foot. Uhm KI, et al. **Ann Plast Surg** 1985 Sep;15(3):257–61
Sutures versus staples in skin flap operations. Coupland RM. **Ann R Coll Surg Engl** 1986 Jan;68(1):2–4
Use of the rhomboid flap in pilonidal sinus. Gwynn BR. **Ann R Coll Surg Engl** 1986 Jan;68(1):40–1
Use of rhomboid flap in pilonidal sinus [letter] Kaufman HD. **Ann R Coll Surg Engl** 1986 Mar;68(2):117–8
Breast reconstruction after failed conservation. Nash AG, et al. **Ann R Coll Surg Engl** 1985 Sep;67(5):303–5
Use of pericardial fat pad flap to prevent bronchopleural fistula. Icenogle TB, et al. **Ann Thorac Surg** 1986 Aug; 42(2):216–7
Tarsal rotational flap for upper eyelid reconstruction. Kersten RC, et al. **Arch Ophthalmol** 1986 Jun;104(6):918–22
Semicircular flap revisited. Levine MR, et al. **Arch Ophthalmol** 1986 Jun;104(6):915–7
Contralateral laryngoplasty. An update on reconstruction of the larynx following supraglottic laryngectomy with vertical extension. Friedman WH, et al. **Arch Otolaryngol** 1985 Nov;111(11):742–6
Microvascular free flaps in soft-tissue augmentation of the head and neck. Baker SR. **Arch Otolaryngol Head Neck Surg** 1986 Jul;112(7):733–7
Platysma myocutaneous flap revisited. Conley JJ, et al. **Arch Otolaryngol Head Neck Surg** 1986 Jul;112(7):711–3
The rotary door myocutaneous flap. A reliable technique for laryngotracheal reconstruction. Eliachar I, et al. **Arch Otolaryngol Head Neck Surg** 1986 Sep;112(9):953–8
Parietal occipital nape of neck flap. A myocutaneous flap for selected head and neck reconstruction. Friedman M, et al. **Arch Otolaryngol Head Neck Surg** 1986 Mar; 112(3):309–15
The periosteoperichondrial flap in external rhinoplasty. Jugo SB. **Arch Otolaryngol Head Neck Surg** 1986 Jul; 112(7):776–9
Surgical anatomy of the scapular spine in the trapezius-osteomuscular flap. Maves MD, et al. **Arch Otolaryngol Head Neck Surg** 1986 Feb;112(2):173–5
Vascular anatomy of the pectoralis major myocutaneous flap. Moloy PJ, et al. **Arch Otolaryngol Head Neck Surg** 1986 Jan;112(1):66–9
Pectoralis major muscle flap in head and neck reconstruction. Robertson MS, et al. **Arch Otolaryngol Head Neck Surg** 1986 Mar;112(3):297–301
Mandible reconstruction [letter] Rubin JS. **Arch Otolaryngol Head Neck Surg** 1986 Apr;112(4):455
Axial subcutaneous scalp flaps in the reconstruction of the anterior cranial fossa. Schaefer SD, et al. **Arch Otolaryngol Head Neck Surg** 1986 Jul;112(7):745–9
Use of temporalis muscle flaps in complicated defects of the head and face. Shagets FW, et al. **Arch Otolaryngol Head Neck Surg** 1986 Jan;112(1):60–5
Nasalis myocutaneous flap for nasal reconstruction. Staahl TE. **Arch Otolaryngol Head Neck Surg** 1986 Mar; 112(3):302–5
Reconstruction of the total cheek defect by free myocutaneous flap. Fujino T, et al. **Auris Nasus Larynx** 1985;12 Suppl 2:S156–60
Radial forearm flap in reconstruction following surgery for head and neck cancers. Harii K, et al. **Auris Nasus Larynx** 1985;12 Suppl 2:S44–7
Reconstructive surgery of head and neck cancer using various pedicle flaps. Mogi G, et al. **Auris Nasus Larynx** 1985;12 Suppl 2:S24–9
Pectoralis flap reconstruction in resection of anterior skull base tumors. Sasaki CT. **Auris Nasus Larynx** 1985;12 Suppl 2:S143–6
Flap wounds [letter] Graham P. **Aust Fam Physician** 1986 Apr;15(4):384
A simple surgical cure for congenital absence of the vagina. Fliegner JR. **Aust NZ J Surg** 1986 Jun;56(6):505–8
The ulnar forearm free flap in penile reconstruction. Glasson DW, et al. **Aust NZ J Surg** 1986 Jun;56(6):477–9
Pectoralis major muscle flap with amnion in oral cavity reconstruction. Lawson VG. **Aust NZ J Surg** 1986 Feb; 56(2):163–6
Post-mastectomy breast reconstruction: the soft tissue alternative. Marshall DR, et al. **Aust NZ J Surg** 1986 May; 56(5):387–93
Gluteus maximus myocutaneous flap cover for sacral radiation ulcers. Parkash S, et al. **Aust NZ J Surg** 1986 Jun;56(6):481–4
Breast reconstruction using a rectus abdominis musculocutaneous flap: 5 yr follow-up. Robbins TH. **Aust NZ J Surg** 1985 Feb;55(1):65–7
Does anaesthesia affect free-flap survival? [letter] Rylah LT. **Br J Anaesth** 1986 Aug;58(8):939–40
Bipalpebral sliding flap in the repair of inner or outer canthal defects. Adenis JP, et al. **Br J Ophthalmol** 1986 Feb; 70(2):135–7
Tumour implantation to a temporalis muscle flap donor site. Carr RJ, et al. **Br J Oral Maxillofac Surg** 1986 Apr; 24(2):102–6
The use of the compound radial forearm flap in oro-mandibular reconstruction. Corrigan AM, et al. **Br J Oral Maxillofac Surg** 1986 Apr;24(2):86–95
The versatility of the temporalis muscle flap in reconstructive surgery. Habel G, et al. **Br J Oral Maxillofac Surg** 1986 Apr;24(2):96–101
Reconstructive surgery in the treatment of intraoral cancer. Timmons MJ, et al. **Br J Oral Maxillofac Surg** 1986 Apr; 24(2):77–85
The submucosal island flap in the closure of oro-antral fistula. Yamazaki Y, et al. **Br J Oral Maxillofac Surg** 1985 Aug; 23(4):259–63
A new distally based fasciocutaneous flap of the leg. Amarante J, et al. **Br J Plast Surg** 1986 Jul;39(3):338–40
Early correction of the thoracic deformity of Poland's syndrome in children with the latissimus dorsi muscle flap: long term follow-up of two cases. Anderl H, et al. **Br J Plast Surg** 1986 Apr;39(2):167–72
A split Chinese forearm flap for simultaneous oral lining and skin cover. Boorman JG, et al. **Br J Plast Surg** 1986 Apr; 39(2):179–82
Free flap monitoring using a microcomputer linked to a laser Doppler flowmeter. Bruce-Chwatt AJ. **Br J Plast Surg** 1986 Apr;39(2):229–38
The immobilisation of cross arm flaps. Chapman C. **Br J Plast Surg** 1986 Apr;39(2):260–1
Coverage of the degloved thumb with twin neurovascular island flaps: a case report. Chen H, et al. **Br J Plast Surg** 1986 Apr;39(2):255–6
The blood supply of the bone component of the compound osteo-cutaneous radial artery forearm flap—an anatomical study. Cormack GC, et al. **Br J Plast Surg** 1986 Apr; 39(2):173–5
Improving the donor site of the radial forearm flap. Fenton OM, et al. **Br J Plast Surg** 1985 Oct;38(4):504–5
Knee joint salvage utilising a plantar musculocutaneous island pedicle flap. Hamm JC, et al. **Br J Plast Surg** 1986 Apr; 39(2):249–54
Reconstruction of the urethra for hypospadiac cripples by microvascular free flap transfers. Harrison DH. **Br J Plast Surg** 1986 Jul;39(3):408–13
An inadvertent test of the robustness of a 5:1 fasciocutaneous flap. Hazarika EZ. **Br J Plast Surg** 1985 Oct;38(4):522–5
The effect of a novel thromboxane synthetase inhibitor dazmegrel (UK38485) on random pattern skin flaps in the rat. Kay S, et al. **Br J Plast Surg** 1986 Jul;39(3):361–3
Repair of a wide defect of the lower leg with the combined scapular and parascapular flap. Koshima I, et al. **Br J Plast Surg** 1985 Oct;38(4):518–21
Tissue expansion in the treatment of alopecia. Leonard AG, et al. **Br J Plast Surg** 1986 Jan;39(1):42–56
Bilobed fasciocutaneous flap. Maruyama Y. **Br J Plast Surg** 1985 Oct;38(4):515–7
Early tissue expansion to close a traumatic defect of scalp and pericranium. Matthews RN, et al. **Br J Plast Surg** 1986 Jul;39(3):417–21
The island fasciocutaneous flap; a new type of flap for defects of the knee. Moscona AR, et al. **Br J Plast Surg** 1985 Oct; 38(4):512–4
Reconstruction of the ala nasi and the tip of the nose by means of an alar-columellar flap. Orticochea M. **Br J Plast Surg** 1986 Apr;39(2):161–6
The clavicular head of pectoralis major musculocutaneous free flap. Reid CD, et al. **Br J Plast Surg** 1986 Jan; 39(1):57–65
The serratus anterior/rib composite flap in mandibular reconstruction. Richards MA, et al. **Br J Plast Surg** 1985

Oct;38(4):466–77
The thinned latissimus dorsi free flap: a case report. Rowsell AR, et al. **Br J Plast Surg** 1986 Apr;39(2):210–2
Use of a combined groin–tensor fasciae latae flap for reconstruction of a full–thickness defect of the abdominal wall. Sakai S, et al. **Br J Plast Surg** 1985 Oct;38(4):492–6
Reanimation of lower lip reconstructed by flaps. Sawhney CP. **Br J Plast Surg** 1986 Jan;39(1):114–7
On the blood supply of muscle–pedicled bone: an experimental study. Siemssen SO, et al. **Br J Plast Surg** 1985 Oct;38(4):506–11
Posterior superficial temporal artery island flap for intra–oral reconstruction: a case report. Small JO, et al. **Br J Plast Surg** 1985 Oct;38(4):488–91
The radial artery forearm flap: an anomaly of the radial artery. Small JO, et al. **Br J Plast Surg** 1985 Oct;38(4):501–3
Experimental evaluation of vascular pedicle in island flaps. Takayanagi S, et al. **Br J Plast Surg** 1986 Jul;39(3):352–5
The combined use of the superficial external pudendal artery flap with a flap of the anterior rectus sheath for the simultaneous cover of dorsal and volar defects on the hand. Thatte RL, et al. **Br J Plast Surg** 1986 Jul;39(3):321–6
Complications of radial forearm flap donor sites. Timmons MJ, et al. **Br J Plast Surg** 1986 Apr;39(2):176–8
Reconstruction of the lower leg and foot with the reverse–pedicled anterior tibial flap: preliminary report of a new fasciocutaneous flap. Wee JT. **Br J Plast Surg** 1986 Jul;39(3):327–37
Significance of deep body thermometer for assessing haemodynamics of free flaps. Yanai A, et al. **Br J Plast Surg** 1986 Jan;39(1):125–30
Closure of urethral fistulae by transverse Y–V advancement flap. Moscona AR, et al. **Br J Urol** 1984 Jun;56(3):313–5
The application of turn–over flaps to burn wounds. Yang JY, et al. **Burns Incl Therm Inj** 1985 Dec;12(2):115–21
Early bronchial revascularization with an intercostal pedicle graft following canine lung autotransplantation. LeGal YM, et al. **Can J Surg** 1985 Nov;28(6):518–22
Rhabdomyosarcoma of pterygoid fossa. Resection for cure utilizing an innervated facial flap and craniofacial reconstruction. Albin RE, et al. **Cancer** 1986 Jul 1; 58(1):163–8
The infrahyoid myocutaneous flap for reconstruction after resection of head and neck cancer. Wang HS, et al. **Cancer** 1986 Feb 1;57(3):663–8
Open window thoracostomy and plastic surgery with muscle flaps in the treatment of chronic empyema. Cicero R, et al. **Chest** 1986 Mar;89(3):374–7
Repair of skull defects by autogenous bone grafts. Cantini R, et al. **Childs Nerv Syst** 1985;1(5):279–81
Successful reconstruction of both buttocks with musculocutaneous flap in extensive deep burns. Sun YH, et al. **Chin Med J [Engl]** 1985 Oct;98(10):779
Regeneration of full–layer necrosed skull after high–tension electrical injury. Wang XW, et al. **Chin Med J [Engl]** 1986 Jan;99(1):59–62
Thumb reconstruction with free big toe skin–nail flap and bones, joints, and tendons of the second toe—report of the cases. Yu ZJ, et al. **Chin Med J [Engl]** 1985 Dec; 98(12):863–7
Correction of lateral port stenosis following a pharyngeal flap operation. Hoffman S. **Cleft Palate J** 1985 Jan; 22(1):51–5
Elongated pharyngeal flap in extensive clefts of the hard and soft palate. Holmström H, et al. **Cleft Palate J** 1986 Jan; 23(1):41–7
Bilateral nasal mucoperiosteal flaps in bilateral cleft palate repair. Samarrai L, et al. **Cleft Palate J** 1985 Oct; 22(4):275–80
Elongated pharyngeal flap in extensive clefts of the hard and soft palate [letter] Wolfe SA. **Cleft Palate J** 1986 Jan; 23(1):40
Lower extremity salvage and reconstruction by free–tissue transfer. Analysis of results. Wood MB, et al. **Clin Orthop** 1985 Dec;(201):151–61
The side–to–side flap technique in below–the–knee amputation with long stump. Yamanaka M, et al. **Clin Orthop** 1985 Dec;(201):75–9
Repair of unilateral cleft lip: triangular flap repairs. Brauer RO. **Clin Plast Surg** 1985 Oct;12(4):595–604
Composite tissue transfer in burn patients. Nappi JF, et al. **Clin Plast Surg** 1986 Jan;13(1):137–44
The pharyngeal flap operation. Trier WC. **Clin Plast Surg** 1985 Oct;12(4):697–710
Rotational pedicle grafting. Buratti R. **Clin Podiatr Med Surg** 1986 Apr;3(2):249–51
Flap classification and survival factors. Current concepts. Christensen JC, et al. **Clin Podiatr Med Surg** 1986 Jul; 3(3):579–88
Principles and descriptions of design of skin flaps for use on the lower extremity. Dockery GL, et al. **Clin Podiatr Med Surg** 1986 Jul;3(3):563–77
Lateral calcaneal artery skin flap for posterior heel coverage. Mahan KT. **Clin Podiatr Med Surg** 1986 Apr;3(2):277–87
The bilobed skin flap rotation. Miller SJ. **Clin Podiatr Med Surg** 1986 Apr;3(2):253–8
Soft tissue coverage of the lower extremity. Swartz WM, et al. **Curr Probl Surg** 1985 Jun;22(6):1–59 (92 ref.)
Myocutaneous and muscle flaps: refinements and new applications. Tobin GR. **Curr Probl Surg** 1986 May; 23(5):315–93 (207 ref.)
Repair of anal stricture and mucosal ectropion by simple flap procedures. Caplin DA, et al. **Dis Colon Rectum** 1986 Feb; 29(2):92–4
V–Y advancement for anal ectropion. Rosen L. **Dis Colon Rectum** 1986 Sep;29(9):596–8
Symposium on skin and soft tissue coverage of the upper extremity. **Hand Clin** 1985 Nov;1(4):597–776
Complications of skin grafts and pedicle flaps. Browne EZ Jr. **Hand Clin** 1986 May;2(2):353–9
Osteocutaneous flaps for thumb and digit reconstruction. In unique situations. Coleman DA, et al. **Hand Clin** 1985 Nov; 1(4):717–28
Z–plasties and related procedures for the hand and upper limb. Furnas DW. **Hand Clin** 1985 Nov;1(4):649–65 (42 ref.)
Fingertip reconstruction. Grad JB, et al. **Hand Clin** 1985 Nov; 1(4):667–76
Myocutaneous and fasciocutaneous flaps in the upper limb. Him FP, et al. **Hand Clin** 1985 Nov;1(4):759–68 (35 ref.)
Free flap coverage of the hand. Hing DN, et al. **Hand Clin** 1985 Nov;1(4):741–58 (49 ref.)
Vascularized free flap transfer in the upper limb. Ikuta Y. **Hand Clin** 1985 May;1(2):297–309 (44 ref.)
The cross–finger flap. An established reconstructive procedure. Kappel DA, et al. **Hand Clin** 1985 Nov; 1(4):677–83
Complications of free flap transfers. Lineaweaver WC, et al. **Hand Clin** 1986 May;2(2):347–51
Local flaps to the hand. Lister G. **Hand Clin** 1985 Nov; 1(4):621–40 (37 ref.)
Island flaps of the hand. Markley JM Jr. **Hand Clin** 1985 Nov;1(4):689–99 (51 ref.)
Flap physiology and the prediction of flap viability. Sloan GM, et al. **Hand Clin** 1985 Nov;1(4):609–19 (113 ref.)
Volar advancement skin flap to the fingertip. Snow JW. **Hand Clin** 1985 Nov;1(4):685–8
Neurovascular flaps to the hand. Strauch B, et al. **Hand Clin** 1985 May;1(2):327–33
Distant flaps. Winspur I. **Hand Clin** 1985 Nov;1(4):729–39
One–stage total mandibular reconstruction with rib, pectoralis major osteomyocutaneous flap. Bhathena H, et al. **Head Neck Surg** 1986 Jan–Feb;8(3):211–3
Reconstruction of the subglottic larynx with a myoperiosteal flap: clinical and experimental study. Friedman M, et al. **Head Neck Surg** 1986 Mar–Apr;8(4):287–95
Scapular free flap for repair of massive lower facial composite defects. Granick MS, et al. **Head Neck Surg** 1986 Jul–Aug; 8(6):436–41
A compendium of intraoral flaps. Komisar A, et al. **Head Neck Surg** 1985 Nov–Dec;8(2):91–9
Pedicled myocutaneous flap of latissimus dorsi muscle for reconstruction of anterior and middle skull defects: an alternative. Seckel BR, et al. **Head Neck Surg** 1986 Jan–Feb;8(3):165–8
Immediate reconstruction of the mandible using a vascularized segment of radius. Soutar DS, et al. **Head Neck Surg** 1986 Mar–Apr;8(4):232–46
Entire pharyngoesophageal reconstruction with latissimus dorsi myocutaneous island flap. Yamamoto K, et al. **Head Neck Surg** 1985 Jul–Aug;7(6):461–4
Donor site selection for cutaneous and myocutaneous free flaps. Nunley JA. **Instr Course Lect** 1984;33:417–25
Vascularized bone transfers. Weiland AJ. **Instr Course Lect** 1984;33:446–60
Artificial sperm reservoir on epididymis using pedicled tunica vaginalis for the management of conductive azoospermia. Das S, et al. **Int Surg** 1985 Apr–Jun;70(2):171–3
Cutaneous ureterostomy with an introverted pediculate skin flap. Jilling A, et al. **Int Urol Nephrol** 1986;18(2):153–8
Internal fixation of ununited femoral neck fractures combined with muscle–pedicle bone grafting. Baksi DP. **J Bone Joint Surg [Br]** 1986 Mar;68(2):239–45
Scaling and root planing with and without periodontal flap surgery. Caffesse RG, et al. **J Clin Periodontol** 1986 Mar; 13(3):205–10
Treatment of localized gingival recessions with coronally displaced flaps and citric acid. An experimental study in the dog. Gottlow J, et al. **J Clin Periodontol** 1986 Jan; 13(1):57–63
Healing after treatment of periodontal intraosseous defects. V. Effect of root planing versus flap surgery. Renvert S, et al. **J Clin Periodontol** 1985 Sep;12(8):619–29
Semilunar coronally repositioned flap. Tarnow DP. **J Clin Periodontol** 1986 Mar;13(3):182–5
International dermatosurgery: use of medial plantar based skin flaps for correction of foot defects. Amarante J, et al. **J Dermatol Surg Oncol** 1986 Jul;12(7):693–5
Subcutaneous island pedicle flaps. Dzubow LM. **J Dermatol Surg Oncol** 1986 Jun;12(6):591–6
Hair transplantation, scalp reduction, and flap rotation in black men. Earles RM. **J Dermatol Surg Oncol** 1986 Jan; 12(1):87–91, 95–6
Adjunctive liposurgical debulking and flap dissection in neck reconstruction. Field LM. **J Dermatol Surg Oncol** 1986 Sep; 12(9):917–20
The combination of a cheek advancement–rotation flap with an M–plasty for upper preauricular excisions. Field LM. **J Dermatol Surg Oncol** 1985 Oct;11(10):974–6
On the closure of preauricular excisions [letter] Grande DJ, et al. **J Dermatol Surg Oncol** 1986 Jun;12(6):550–2
Cheek–neck advancement–rotation flaps following Mohs excision of skin malignancies. Katz AE, et al. **J Dermatol Surg Oncol** 1986 Sep;12(9):949–55
Flaps in hair replacement [letter] Mayer TG, et al. **J Dermatol Surg Oncol** 1986 Aug;12(8):782, 786, 791
The bilobed flap in sole surgery. Sanchez–Conejo–Mir J, et al. **J Dermatol Surg Oncol** 1985 Sep;11(9):913–7
Use of rotation flaps to repair small surgical defects on the ala nasi. Winton GB, et al. **J Dermatol Surg Oncol** 1986 Feb;12(2):154–8
Successful treatment of ulcerated necrobiosis: lipoidica diabeticorum with prostaglandin E1 and skin flap transfer—a case report. Sawada Y. **J Dermatol (Tokyo)** 1985 Oct;12(5):449–54
The denervated first dorsal interosseous muscle flap: a case report. Lubahn JD, et al. **J Hand Surg [Am]** 1985 Sep; 10(5):684–6
Clinical applications of free temporoparietal flaps in hand reconstruction. Upton J, et al. **J Hand Surg [Am]** 1986 Jul; 11(4):475–83
The present role of the groin flap in hand trauma in the light of a long–term review. Freedlander E, et al. **J Hand Surg [Br]** 1986 Jun;11(2):187–90
Partial thumb reconstruction using the proximal skin paddle radial artery island flap. Matti BA, et al. **J Hand Surg [Br]** 1986 Feb;11(1):35–9
Cross finger flap. A new technique. Sućur D, et al. **J Hand Surg [Br]** 1985 Oct;10(3):425–9
The use of free tissue transfer in reconstruction following head and neck tumour resection. Frampton MC, et al. **J Laryngol Otol** 1986 Jan;100(1):97–103
The long–term results of hyoid–sternohyoid grafts in the correction of subglottic stenosis. Freeland AP. **J Laryngol Otol** 1986 Jun;100(6):665–74
Aspects of mandibular reconstruction. Hodge RA, et al. **J Laryngol Otol** 1985 Nov;99(11):1097–106
Repair of pharyngo–cutaneous fistula using a bipedicled tubed flap. Shanmugham MS. **J Laryngol Otol** 1986 Apr; 100(4):493–6
Use of tongue flap in submucous palatal fibrosis. Tepan MG, et al. **J Laryngol Otol** 1986 Apr;100(4):455–60
The versatility of pectoralis major and latissimus dorsi myocutaneous flaps in the reconstruction of cancrum oris defects of children and adolescents. Adekeye EO, et al. **J Maxillofac Surg** 1986 Apr;14(2):99–102
A modification of the Duformentel and Mouly split sliding flap. Sawada Y. **J Maxillofac Surg** 1986 Feb;14(1):43–5
Temporalis myofascial repair of traumatic defects of the anterior fossa. Technical note. Gillespie RP, et al. **J Neurosurg** 1986 Jun;64(6):977–8
Mandibular reconstruction with a microvascular free groin osteocutaneous graft based on the deep circumflex iliac vessels. Takada K, et al. **J Oral Maxillofac Surg** 1986 Aug; 44(8):660–5
Use of the buccal fat pad as a pedicled graft. Tideman H, et al. **J Oral Maxillofac Surg** 1986 Jun;44(6):435–40
Facial squamous carcinoma with parotid metastasis—closure with cheek–neck rotation. Anonsen C, et al. **J Otolaryngol** 1984 Jun;13(3):137–40
Intra–oral reconstruction using the nasolabial flap. Birt BD, et al. **J Otolaryngol** 1985 Aug;14(4):233–6
Refinement of the pectoralis major myocutaneous flap. Briant TD, et al. **J Otolaryngol** 1984 Dec;13(6):387–90
The double paddle pectoralis major myocutaneous flap. Freeman JL, et al. **J Otolaryngol** 1985 Aug;14(4):237–40
Reconstruction of the pinna using pre–auricular flaps. Lawson VG. **J Otolaryngol** 1984 Jun;13(3):191–3
Latissimus dorsi myocutaneous flap: vascular anatomy and experimental viability. Suarez Nieto C, et al. **J Otolaryngol** 1985 Dec;14(6):394–8
Heel reconstruction with flexor digitorum brevis musculocutaneous flap. Stevenson TR, et al. **J Podiatr Orthop** 1985 Nov–Dec;5(6):713–6
The use of pericardium for the management of recurrent tracheoesophageal fistula. Botham MJ, et al. **J Podiatr Surg** 1986 Feb;21(2):164–6
Prosthetic materials and muscle flaps in the repair of extensive diaphragmatic defects: an experimental study. Newman BM, et al. **J Podiatr Surg** 1985 Aug;20(4):362–7
Use of lateral flap anoplasty [letter] Nixon HH. **J Podiatr Surg** 1985 Oct;20(5):563
Coronal positioning of tissue previously treated with freeze–dried dura mater grafts. Report of a case. Cho JY, et al. **J Periodontol** 1986 Jan;57(1):35–8
Subepithelial connective tissue graft technique for root coverage. Langer B, et al. **J Periodontol** 1985 Dec; 56(12):715–20
Root coverage and ridge augmentation in Class IV recession using a coronally positioned free gingival graft. Miller PD Jr, et al. **J Periodontol** 1986 Jun;57(6):360–3
A modification of the "curtain technique" incorporating an internal mattress suture. Newell DH, et al. **J Periodontol** 1985 Aug;56(8):484–7
Surgical removal of the fully impacted mandibular third molar. The influence of flap design and alveolar bone height on the periodontal status of the second molar. Quee TA, et al. **J Periodontol** 1985 Oct;56(10):625–30
Cup–patch ileocystoplasty in the treatment of bilharzial contracted bladder. Duvie SO. **J R Coll Surg Edinb** 1986 Feb;31(1):56–8
Surgical treatment of actinic brachial plexus lesions: free microvascular transfer of the greater omentum. Brunelli G, et al. **J Reconstr Microsurg** 1985 Jan;1(3):197–200
Treatment of tibial defect with vascularized osteocutaneous pedicled transfer of fibula. Chen ZW, et al.

J Reconstr Microsurg 1986 Apr;2(3):199–203, 205
Free gracilis transfer in the treatment of gluteus medius paralysis after poliomyelitis. Dao QS, et al. J Reconstr Microsurg 1985 Jan;1(3):241–4
Resurfacing weight bearing areas of the heel. The role of the dorsalis pedis innervated free tissue transfer. Duncan MJ, et al. J Reconstr Microsurg 1985 Jan;1(3):201–8
Experiences in the clinical use of the medial genicular flap. Guan WS, et al. J Reconstr Microsurg 1985 Jan;1(3):233–40
Reconstruction of the thumb by a free pedal neurovascular flap and composite phalanx–joint–tendon homograft: a preliminary report. Huang SL, et al. J Reconstr Microsurg 1985 Jul;1(4):299–303
One-stage reconstruction of the penis with free skin flap: report of three cases. Kao XS, et al. J Reconstr Microsurg 1984 Oct;1(2):149–53
Microvascular free flap based on the medial femoral main cutaneous artery. Kuo ET, et al. J Reconstr Microsurg 1985 Jul;1(4):305–8
Salvage of an arm by means of a free cutaneous flap based on the posterior tibial artery. Okada T, et al. J Reconstr Microsurg 1984 Jul;1(1):25–9
Free forearm flap for reconstruction of soft tissue defects concurrent with improved peripheral circulation. Partecke BD, et al. J Reconstr Microsurg 1984 Jul;1(1):1–6
Evaluation of free flaps transferred by microvascular anastomosis in oral and maxillofacial surgery. Qiu WL, et al. J Reconstr Microsurg 1984 Jul;1(1):75–80
Experiences in the use of eight cutaneous and osteocutaneous superficial and deep circumflex iliac free flaps. Quillen CG, et al. J Reconstr Microsurg 1985 Jul;1(4):269–81
The rat groin flap: can it survive on the epigastric nerve blood supply alone? Sagi A, et al. J Reconstr Microsurg 1986 Apr;2(3):163–4
The circumflex scapular flap for reconstruction of mandibulofacial atrophy. Serra JM, et al. J Reconstr Microsurg 1985 Jul;1(4):263–7
Free flap of gliding tissue. Wintsch K, et al. J Reconstr Microsurg 1986 Apr;2(3):143–51
Bilateral hand reconstruction: report of three cases. Yu ZJ, et al. J Reconstr Microsurg 1985 Jul;1(4):253–61
Reconstruction of the thumb by free skin flap of the big toe. Yu ZJ, et al. J Reconstr Microsurg 1984 Oct;1(2):155–9
Cross-bridge free skin flap transfer: case report. Yu ZJ, et al. J Reconstr Microsurg 1985 Jul;1(4):309–11
The effect of microbial contamination on musculocutaneous and random flaps. Murphy RC, et al. J Surg Res 1986 Jul; 41(1):75–80
Use of the internal mammary artery for preservation of circulation to the left arm after subclavian flap aortoplasty in correction of coarctation in children. Fournier A, et al. J Thorac Cardiovasc Surg 1985 Dec;90(6):926–8
Recurrent obstruction after subclavian flap repair of coarctation of the aorta in infants. Can it be predicted or prevented? Sánchez GR, et al. J Thorac Cardiovasc Surg 1986 May;91(5):738–46
Comparison between antibiotic irrigation and mobilization of pectoral muscle flaps in treatment of deep sternal infections. Scully HE, et al. J Thorac Cardiovasc Surg 1985 Oct;90(4):523–31
Response of random skin flaps to rapid expansion. Marks MW, et al. J Trauma 1985 Oct;25(10):947–52
Metabolic rate alterations in early excision and grafting versus conservative treatment. Rutan TC, et al. J Trauma 1986 Feb;26(2):140–2
Microvascular reconstruction after electrical and deep thermal injury. Silverberg B, et al. J Trauma 1986 Feb; 26(2):128–34
Urethroplasty using transverse penile island flap for hypospadias. el-Kasaby AW, et al. J Urol 1986 Sep; 136(3):643–4
Bilateral rectus femoris pedicle flaps for detrusor augmentation in the prune belly syndrome. Messing EM, et al. J Urol 1985 Dec;134(6):1202–5
Island pedicle graft in the correction of urethral meatal stenosis following hypospadias repair. Palmer JM, et al. J Urol 1986 Jun;135(6):1227–8
Use of the rectus abdominis muscle flap in urological reconstructive procedures. Robertson CN, et al. J Urol 1986 May;135(5):963–5
Measurement of blood flow in hypospadias flaps with subvisual doses of fluorescein. Walker RD, et al. J Urol 1986 Jul;136(1 Pt 2):266–7
A new, one-stage pedicled scrotal skin graft urethroplasty. Yachia D. J Urol 1986 Sep;136(3):589–92
Distal revascularization and microvascular free tissue transfer: an alternative to amputation in ischemic lesions of the lower extremity. Briggs SE, et al. J Vasc Surg 1985 Nov;2(6):806–11
Classification of the pedicled flaps. Fujino T, et al. Keio J Med 1985 Jul;34(2):87–9
Declotting closed suction systems. Alessi DM, et al. Laryngoscope 1986 Aug;96(8):917–8
Tongue flap repair of postlaryngectomy hypopharyngeal stenosis. Calcaterra TC. Laryngoscope 1986 Jun; 96(6):617–20
Design of incisions for pectoralis myocutaneous flaps in women. Colman MF, et al. Laryngoscope 1986 Jun; 96(6):695–6
The safety of frontal sinus fat obliteration when sinus walls are missing. Donald PJ, et al. Laryngoscope 1986 Feb; 96(2):190–3
Template for frontal osteoplastic flap. Fung MK. Laryngoscope 1986 May;96(5):578–9
Hard palate reconstruction in maxillectomy. Gillespie CA, et al. Laryngoscope 1986 Apr;96(4):443–4
Nasolabial musculocutaneous flap in reconstruction of oral defects. Hagan WE. Laryngoscope 1986 Aug;96(8):840–5
Temporalis muscle flap: an alternative in oropharyngeal reconstruction. Hüttenbrink KB. Laryngoscope 1986 Sep; 96(9 Pt 1):1034–8
Two modifications of pectoralis major myocutaneous flap (PMMF). Lee KY, et al. Laryngoscope 1986 Apr; 96(4):363–7
Reconstruction of the anterior oral cavity using the platysma myocutaneous island flap. Manni JJ, et al. Laryngoscope 1986 May;96(5):564–7
Latissimus dorsi myocutaneous–iliac bone flap for reconstruction of massive defects of mandible and oral basis. Mogi G, et al. Laryngoscope 1986 Feb;96(2):171–7
Sternocleidomastoid myoplasty for the repair of chronic cervical esophageal fistulae. Rubin JS. Laryngoscope 1986 Aug;96(8):834–6
Soft-tissue coverage for the treatment of osteomyelitis of the lower part of the leg. Irons GB Jr, et al. Mayo Clin Proc 1986 May;61(5):382–7
The banking and clinical use of human skin allograft in trauma patients: clinical use of allograft skin. Spence RJ, et al. Md Med J 1986 Mar;35(3):205–12
Pectoralis major myocutaneous flap in head and neck surgery. Gurbachan I, et al. Med J Malaysia 1985 Jun; 40(2):107–14
Rat epigastric pedicle model: a clinically relevant evaluation of l–mm PTFE grafts. Barttelbort SW, et al. Microsurgery 1985;6(4):233–6
Waveform analysis applied to laser Doppler flowmetry. Fischer JC, et al. Microsurgery 1986;7(2):67–71
Laser Doppler flowmeter measurements of skin perfusion changes associated with arterial and venous compromise in the cutaneous island flap. Fischer JC, et al. Microsurgery 1985;6(4):238–43
Successful transfer of "free" microvascular superficial temporal artery flap with no obvious venous drainage and use of leeches for reducing venous congestion: case report. Lim CL. Microsurgery 1986;7(2):87–8
Simultaneous reconstruction of bone and skin defects by free fibular graft with a skin flap. Minami A, et al. Microsurgery 1986;7(1):38–45
Experience with epigastric free flap allograft in the rat. Ruby LK, et al. Microsurgery 1985;6(4):237
Ischemic induction of neovascularization: a study by fluorometric analysis. Semashko D, et al. Microsurgery 1985;6(4):244–8
Vascular graft coverage in peripheral vascular injuries. Geer DA, et al. Milit Med 1986 Apr;151(4):224–6
Partial and total skinning vulvectomy in treatment of carcinoma in situ of the vulva. Caglar H, et al. Obstet Gynecol 1986 Oct;68(4):504–7
Avoidance of the use of vomerine mucosa in primary surgical management of velopalatine clefts. Delaire J, et al. Oral Surg Oral Med Oral Pathol 1985 Dec;60(6):589–97
Osteonecrosis of the femoral head treated with the muscle pedicle graft. Meyers MH. Orthop Clin North Am 1985 Oct;16(4):741–5
Free vascularized flaps for lower extremity reconstruction. Frykman GK, et al. Orthopedics 1986 Jun;9(6):841–8
The dorsalis pedis island pedicle flap for small defects of the foot and ankle. Gould JS. Orthopedics 1986 Jun; 9(6):867–71
Free flaps for coverage of the foot and ankle. Koman LA. Orthopedics 1986 Jun;9(6):857–62
Free vascularized bone and muscle flaps for osteomyelitis. Moore JR, et al. Orthopedics 1986 Jun;9(6):819–24
The use of quadratus femoris muscle pedicle bone graft for the treatment of displaced femoral neck fractures. Morwessel R, et al. Orthopedics 1985 Aug;8(8):972–6
Reconstructive techniques after ablative head and neck surgery. Wurster CF, et al. Otolaryngol Clin North Am 1985 Aug;18(3):551–72
Chin reconstruction with pectoralis myocutaneous flap. Berktold RE, et al. Otolaryngol Head Neck Surg 1986 Feb; 94(2):181–6
Studies on the osteogenic potential of vascularized periosteum: behavior of periosteal flaps transferred onto soft tissues. Burstein FD, et al. Otolaryngol Head Neck Surg 1985 Dec;93(6):731–5
Histologic changes in skin implanted into the larynx and trachea by myocutaneous flap reconstruction. Eliachar I, et al. Otolaryngol Head Neck Surg 1985 Dec;93(6):754–8
Venous outflow obstruction in myocutaneous flaps: changes in microcirculation detected by the perfusion fluorometer and laser Doppler. Liu AJ, et al. Otolaryngol Head Neck Surg 1986 Feb;94(2):164–8
The effect of alpha–adrenergic stimulation and blockade on perfusion of myocutaneous flaps. Moore GK, et al. Otolaryngol Head Neck Surg 1986 Apr;94(4):489–96
Effects of hyperbaric oxygen and irradiation on experimental skin flaps in rats. Nemiroff PM, et al. Otolaryngol Head Neck Surg 1985 Aug;93(4):485–91
The extended pectoralis major flap in head and neck reconstruction. Sasaki CT, et al. Otolaryngol Head Neck Surg 1986 Mar;94(3):274–8
Tagliacotian cross-arm flap reconstruction of facial defects. Wilson DE, et al. Otolaryngol Head Neck Surg 1986 Feb; 94(2):219–23
The medial fasciocutaneous vessels of the leg [letter] Amarante J, et al. Plast Reconstr Surg 1986 Jun;77(6):1013
The etiologic role of free radicals in hematoma–induced flap necrosis. Angel MF, et al. Plast Reconstr Surg 1986 May; 77(5):795–803
The temporalis myo–osseous flap: an experimental study. Antonyshyn O, et al. Plast Reconstr Surg 1986 Mar; 77(3):406–15
The versatility of pericranial flaps. Argenta LC, et al. Plast Reconstr Surg 1985 Nov;76(5):695–702
Replantation of a totally amputated ear by means of a platysma musculocutaneous "sandwich" flap.Ariyan S, et al. Plast Reconstr Surg 1986 Sep;78(3):385–9
Tissue expansion: dividend or loan? Austad ED, et al. Plast Reconstr Surg 1986 Jul;78(1):63–7
A simple auricular chondrocutaneous flap. Avakoff JC. Plast Reconstr Surg 1986 May;77(5):843–4
Obliteration of decompressed frontal sinus by means of a deepithelialized island forehead flap. Baroudi IF. Plast Reconstr Surg 1986 May;77(5):824–7
Prevention of flap necrosis by chlorpromazine. Bibi R, et al. Plast Reconstr Surg 1986 Jun;77(6):954–9
Comparison of the effect of bacterial inoculation in musculocutaneous and fasciocutaneous flaps. Calderon W, et al. Plast Reconstr Surg 1986 May;77(5):785–94
Anatomic basis for vascularized outer–table calvarial bone flaps. Casanova R, et al. Plast Reconstr Surg 1986 Sep; 78(3):300–8
Coverage of multiple extensive pressure sores with a single filleted lower leg myocutaneous free flap. Chen HC, et al. Plast Reconstr Surg 1986 Sep;78(3):396–8
Complete plantar foot coverage with the free neurosensory radial forearm flap. Chicarilli ZN, et al. Plast Reconstr Surg 1986 Jul;78(1):94–101
Single–stage repair of complex scalp and cranial defects with the free radial forearm flap. Chicarilli ZN, et al. Plast Reconstr Surg 1986 Apr;77(4):577–85
The groin flap in reparative surgery of the hand. Chow JA, et al. Plast Reconstr Surg 1986 Mar;77(3):421–6
A new experimental model for myocutaneous flaps: latissimus dorsi of the rabbit—an anatomic study. de Moura W, et al. Plast Reconstr Surg 1986 Mar;77(3):484–5
Photoplethysmography [letter] Dorsey JS. Plast Reconstr Surg 1985 Nov;76(5):800–1
Mandibular reconstruction in the radiated patient: the role of osteocutaneous free tissue transfers. Duncan MJ, et al. Plast Reconstr Surg 1985 Dec;76(6):829–40
Suggestions for improving the axial frontonasal flap [letter] Field LM. Plast Reconstr Surg 1986 Aug;78(2):263–4
Total arm flap: an alternative method of chest–wall reconstruction. Fuentes CE. Plast Reconstr Surg 1986 Jun; 77(6):944–7
Early microsurgical reconstruction of complex trauma of the extremities. Godina M. Plast Reconstr Surg 1986 Sep; 78(3):285–92
Defatting of flaps by means of suction–assisted lipectomy. Hallock GG. Plast Reconstr Surg 1985 Dec;76(6):948–52
Caution in using the Chinese radial forearm flap [letter] Hallock GG. Plast Reconstr Surg 1986 Jan;77(1):164–5
Objective monitoring for safe tissue expansion. Hallock GG, et al. Plast Reconstr Surg 1986 Mar;77(3):416–20
The lateral thoracodorsal flap in breast reconstruction. Holmström H, et al. Plast Reconstr Surg 1986 Jun; 77(6):933–43
Double–pedicle transverse rectus abdominis myocutaneous flap for unilateral breast and chest–wall reconstruction. Ishii CH Jr, et al. Plast Reconstr Surg 1985 Dec;76(6):901–7
Use of the galeal frontalis myofascial flap in craniofacial surgery. Jackson IT, et al. Plast Reconstr Surg 1986 Jun; 77(6):905–10
Neighboring flaps and cartilage grafts for correction of serious secondary nasal deformities. Juri J, et al. Plast Reconstr Surg 1985 Dec;76(6):876–81
Use of a pedicled parascapular flap for anterior shoulder and arm reconstruction. Kim PS, et al. Plast Reconstr Surg 1985 Dec;76(6):942–4
The extensor digitorum brevis as a muscle island flap. Leitner DW, et al. Plast Reconstr Surg 1985 Nov;76(5):777–80
The median forehead flap revisited: the blood supply. McCarthy JG, et al. Plast Reconstr Surg 1985 Dec; 76(6):866–9
Management of radiation necrosis of the chest wall following mastectomy: a new treatment option. MacMillan RW, et al. Plast Reconstr Surg 1986 May;77(5):832–5
Earlobe repair [letter] Madzharov M. Plast Reconstr Surg 1986 May;77(5):857
The axial frontonasal flap revisited. Marchac D, et al. Plast Reconstr Surg 1985 Nov;76(5):686–94
Expanders for male pattern baldness [letter] Marion RB. Plast Reconstr Surg 1985 Nov;76(5):797
The posterior arm free flap. Masquelet AC, et al. Plast Reconstr Surg 1985 Dec;76(6):908–13
The Tagliacozzi flap as a method of nasal and palatal reconstruction. Miller TA. Plast Reconstr Surg 1985 Dec; 76(6):870–5
The influence of pentoxifylline on skin–flap survival. Monteiro DT, et al. Plast Reconstr Surg 1986 Feb; 77(2):277–81
Elbow coverage [letter] Moore MH, et al. Plast Reconstr Surg 1986 Mar;77(3):499
One–stage microvascular transfer of a latissimus flap to the

sacrum using vein grafts. Nahai F, et al. **Plast Reconstr Surg** 1986 Feb;77(2):312–5

Reconstruction of heel and sole defects by free flaps. Noever G, et al. **Plast Reconstr Surg** 1986 Sep;78(3):345–52

Augmentation of blood flow in delayed random skin flaps in the pig: effect of length of delay period and angiogenesis. Pang CY, et al. **Plast Reconstr Surg** 1986 Jul;78(1):68–74

Hemodynamics and vascular sensitivity to circulating norepinephrine in normal skin and delayed and acute random skin flaps in the pig. Pang CY, et al. **Plast Reconstr Surg** 1986 Jul;78(1):75–84

The vascularized central breast pedicle [letter] Powers WE Jr. **Plast Reconstr Surg** 1986 Aug;78(2):262

Vascularized outer-table calvarial bone flaps. Psillakis JM, et al. **Plast Reconstr Surg** 1986 Sep;78(3):309–17

Pectoralis major musculocutaneous flaps: long-term follow-up of hypopharyngeal reconstruction. Rees RS, et al. **Plast Reconstr Surg** 1986 Apr;77(4):586–91

Male baldness: immediate single-stage rotation of very long arterialized temporo-parieto-occipital flaps. Rizzetto-Stubel A, et al. **Plast Reconstr Surg** 1986 Feb; 77(2):215–21

Preischemic flap washout and its effect on the no-reflow phenomenon. Rosen HM, et al. **Plast Reconstr Surg** 1985 Nov;76(5):737–47

Functional evaluation of latissimus dorsi donor site. Russell RC, et al. **Plast Reconstr Surg** 1986 Sep;78(3):336–44

Improved survival of island flaps after prolonged ischemia by perfusion with superoxide dismutase. Sagi A, et al. **Plast Reconstr Surg** 1986 Apr;77(4):639–44

Functional oromandibular reconstruction with the microvascular composite groin flap. Salibian AH, et al. **Plast Reconstr Surg** 1985 Dec;76(6):819–28

Growth of the cleft lip following a triangular flap repair. Saunders DE, et al. **Plast Reconstr Surg** 1986 Feb; 77(2):227–38

Use of the rectus abdominis muscle flap to reconstruct an elbow defect. Sbitany U, et al. **Plast Reconstr Surg** 1986 Jun;77(6):988–9

Experimental study and clinical use of the fasciosteal flap. Shi ZM, et al. **Plast Reconstr Surg** 1986 Aug;78(2):201–10

Separation of craniopagus twins utilizing tissue expanders. Shively RE, et al. **Plast Reconstr Surg** 1985 Nov; 76(5):765–73

Skin-expander volume estimator. Shively RE. **Plast Reconstr Surg** 1986 Mar;77(3):482–3

The radial forearm flap in intraoral reconstruction: the experience of 60 consecutive cases. Soutar DS, et al. **Plast Reconstr Surg** 1986 Jul;78(1):1–8

A lengthened omental pedicle in facial reconstruction. Spear SL, et al. **Plast Reconstr Surg** 1986 May;77(5):828–31

The minimal requirement of circulation for survival of undelayed and delayed flaps in rats. Suzuki S, et al. **Plast Reconstr Surg** 1986 Aug;78(2):221–7

The osteocutaneous scapular flap for mandibular and maxillary reconstruction. Swartz WM, et al. **Plast Reconstr Surg** 1986 Apr;77(4):530–45

Storage of a free forearm flap for 55 hours. Thoma A. **Plast Reconstr Surg** 1986 Jul;78(1):91–3

The vascular basis of the radial forearm flap. Timmons MJ. **Plast Reconstr Surg** 1986 Jan;77(1):80–92

Treatment of total sternal necrosis using the latissimus dorsi muscle flap. Tizian C, et al. **Plast Reconstr Surg** 1985 Nov; 76(5):703–7

The posterior calf fascial free flap. Walton RL, et al. **Plast Reconstr Surg** 1985 Dec;76(6):914–26

Fibular osteoseptocutaneous flap: anatomic study and clinical application. Wei FC, et al. **Plast Reconstr Surg** 1986 Aug; 78(2):191–200

Flexible rhombic flap. Yanai A, et al. **Plast Reconstr Surg** 1986 Aug;78(2):228–35

Free iliac skin flap transplantation by anastomosing the fourth lumbar blood vessel. Zhao JT. **Plast Reconstr Surg** 1986 May;77(5):836–42

Tissue expansion. A fascinating frontier of reconstructive surgery. LeWinn LR, et al. **Postgrad Med** 1986 Feb 1; 79(2):189–96

A rationale for skew flaps in below-knee amputation surgery. McCollum PT, et al. **Prosthet Orthot Int** 1985 Aug; 9(2):95–9

Irrigation treatment in split-thickness skin grafting of intractable leg ulcers. Arnljots B, et al. **Scand J Plast Reconstr Surg** 1985;19(2):211–3

Bipedicled tarsoconjunctival flap in advanced cicatricial entropion. Case report. Holmström H. **Scand J Plast Reconstr Surg** 1985;19(3):305–8

Latissimus dorsi musculocutaneous flap after excision of radionecrosis in the neck. Case report. Holmström H, et al. **Scand J Plast Reconstr Surg** 1985;19(3):313–5

Experience with transplantation of composite tissues by means of microsurgical vascular anastomoses. II. Late results and comments. Krag C. **Scand J Plast Reconstr Surg** 1985;19(2):157–73

Experience with transplantation of composite tissues by means of microsurgical vascular anastomoses. I. Indications, techniques and early results. Krag C. **Scand J Plast Reconstr Surg** 1985;19(2):135–56

The radial forearm flap. A report of two cases with antegrade and retrograde arterial and venous flow. Nielsen IM, et al. **Scand J Plast Reconstr Surg** 1985;19(3):309–12

An anaesthetic lidocaine/prilocaine cream (EMLA) for epicutaneous application tested for cutting split skin grafts. Ohlsén L, et al. **Scand J Plast Reconstr Surg** 1985; 19(2):201–9

Laser Doppler flowmetry and laser photometry for monitoring free flaps. Svensson H, et al. **Scand J Plast Reconstr Surg** 1985;19(3):245–9

Use of muscle flaps in the treatment of infected sternotomy. Pettersson G, et al. **Scand J Thorac Cardiovasc Surg** 1986; 20(1):1–4

Sacral pressure sores: treatment with island gluteus maximus musculocutaneous flaps. Rees RS, et al. **South Med J** 1985 Oct;78(10):1147–51

Reconstruction by expansion in the patient with cancer of the head and neck. Manders EK. **Surg Clin North Am** 1986 Feb;66(1):201–12

Y-V anoplasty for treatment of anal stricture. Gingold BS, et al. **Surg Gynecol Obstet** 1986 Mar;162(3):241–2

The vastus lateralis derived flap for repair of neglected rupture of the quadriceps femoris tendon. Oni OO, et al. **Surg Gynecol Obstet** 1985 Oct;161(4):385–7

Improved survival in free skin flap transfers in rats. Manson PN, et al. **Surgery** 1986 Feb;99(2):211–5

The split latissimus dorsi flap with functional preservation. Pensler JM, et al. **Tex Med** 1986 Aug;82(8):39–41

Repair of upper ureteric obstruction with Boari flap and psoas hitch. Bhattacharya S, et al. **Urology** 1986 May;27(5):451–3

Proximal vaginal flap and needle suspension procedure in management of large urethral fistulas in females. Lockhart JL, et al. **Urology** 1986 Jan;27(1):24–7

Urologic use of gracilis muscle flap for nonhealing perineal wounds and fistulas. Ryan JA Jr, et al. **Urology** 1985 Nov; 26(5):456–9

Effect of nitroglycerin ointment on penile skin flap survival in hypospadias repair. Experimental and clinical studies. Scheuer S, et al. **Urology** 1986 May;27(5):438–40

Treatment of skin necrosis in fulminant meningococcaemia—case report. Le Coultre C, et al. **Z Kinderchir** 1986 Jun;41(3):174–5

[Cross-bridge free compound tissue transplantation and patient care] Bao MS, et al. **Chung Hua Hu Li Tsa Chih** 1985 Oct;20(5):268–70 (Chi)

[Iliac bone with pedicled skin flap grafts for bone loss in the hand] Gu YD, et al. **Chung Hua I Hsueh Tsa Chih** 1985 Sep;65(9):556–7 (Chi)

[Treatment of intermaxillary contracture with a cervical subcutaneous pedicle flap] Chen ZJ. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 May;20(3):170–1, 191–2 (Eng. Abstr.) (Chi)

[Use of a myocutaneous platysma flap in the reconstruction of oral defects] Lan XJ. **Chung Hua Kou Chiang Ko Tsa Chih** 1984 Dec;19(4):216–9 (Chi)

[Reconstruction of mandible defects using autogenous free rib with its vessels and nerves] Li XG. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Nov;20(6):341–4, 383 (Eng. Abstr.) (Chi)

[Glossoplasty and palatoplasty] Liu SX. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Sep;20(5):262–5, 317 (Eng. Abstr.) (Chi)

[Preliminary evaluation of a latissimus dorsi osteomyocutaneous free flap for the reconstruction of massive compound defects of the lower face] Liu SX. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Jul;20(4):218–20, 254–5 (Eng. Abstr.) (Chi)

[Immediate reconstruction of postoperative defects in carcinoma of the cheek with a free flap: report of 16 cases] Sun H. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 May; 20(3):148–9, 190 (Eng. Abstr.) (Chi)

[Adjacent advancement flap with subcutaneous pedicle for facial defect] Xie GC. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Jul;20(4):200–2, 253–4 (Eng. Abstr.) (Chi)

[Lateral trapezius myocutaneous island flap: anatomic study and its clinical application] Zhang YF. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Jul;20(4):211–4, 254 (Eng. Abstr.) (Chi)

[Clinical use of the fasciocutaneous flap] Chen SZ, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Nov;23(11):658–9, 702 (Eng. Abstr.) (Chi)

[Median-knee saphenous neurovascular flap for ipsilateral or cross-leg transfer] Gao XS, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Jan;24(1):36–7, 63 (Eng. Abstr.) (Chi)

[Free nerve grafting with simultaneous arterialized vein pedicle transplantation] Gu YD, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Jun;23(6):338–40, 381 (Eng. Abstr.) (Chi)

[The use of the reversed medial leg island flap] Guan GC, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Jul;23(7):437–8, 447 (Eng. Abstr.) (Chi)

[Axial skin or myocutaneous flap transfer for the management of soft tissue defects of the extremities: a report of 60 cases] Hou CL, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Nov; 23(11):648–51, 701 (Eng. Abstr.) (Chi)

[Clinical use of dorsal iso-orientational flaps of the fingers] Hou ZE, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Jun; 23(6):324–6, 380 (Eng. Abstr.) (Chi)

[Use of a posterior pedicled fascial flap of the leg in the repair of large soft tissue defects of the leg: a report of 5 cases] Li ZT, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Nov;23(11):663–4, 702 (Eng. Abstr.) (Chi)

[Clinical and experimental observation of the early division of the abdominal pedicle flap] Ling T, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Nov;23(11):643–5, 701 (Eng. Abstr.) (Chi)

[Study of skin graft survival over avascular defects: a comparison of full-thickness skin grafts with subdermal vascular network skin grafts] Liu DL, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Nov;23(11):646–7, 701 (Eng. Abstr.) (Chi)

[The use of a pedicled gastric flap for covering of a severe defect of the duodenum] Lu SS. **Chung Hua Wai Ko Tsa Chih** 1986 Jan;24(1):4–5, 61 (Eng. Abstr.) (Chi)

[Locally transferred myocutaneous gluteus maximus flaps in the repair of sacral pressure sores] Shi D, et al. **Chung Hua Wai Ko Tsa Chih** 1984 Dec;22(12):760–1, 783 (Eng. Abstr.) (Chi)

[A shoulder and back fasciocutaneous flap in the repair of axillary defects] Wang YJ, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Nov;23(11):660, 702 (Eng. Abstr.) (Chi)

[Reverse island flap in foot trauma] Xu ZH, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Nov;23(11):654–7, 701–2 (Eng. Abstr.) (Chi)

[One-stage transfer of free flaps in severe skin avulsion of the hand or foot] Zhang GJ, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Nov;23(11):661–2, 702 (Eng. Abstr.) (Chi)

[One-stage reconstruction of a bucca cavioris defect by a platysma island flap: a report of 29 cases] Zhuang FL, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Nov;23(11):652–3, 701 (Eng. Abstr.) (Chi)

[One-stage reconstruction of the penis with a composite iliac crest and lateral groin skin flap] Sun GC, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Dec; 6(6):439–42 (Eng. Abstr.) (Chi)

[Treatment of sacral decubiti using musculocutaneous flaps] Stockarová D, et al. **Rozhl Chir** 1986 Feb;65(2):85–92 (Eng. Abstr.) (Cze)

[Musculocutaneous flaps in the treatment of chronic osteomyelitis of the leg] Stockarová D, et al. **Rozhl Chir** 1986 Feb;65(2):93–102 (Eng. Abstr.) (Cze)

[Various aspects of breast reconstruction] van Twisk R. **Ned Tijdschr Geneeskd** 1985 Oct 19;129(42):2006–9 (Dut)

[Hueston's flap for reconstruction of loss of distal thumb substance] Foucher G, et al. **Ann Chir Main** 1985; 4(3):239–41 (Eng. Abstr.) (Fre)

[Covering distal amputations of the finger using homodigital neurovascular island flaps] Mouchet A, et al. **Ann Chir Main** 1982;1(2):180–2 (Eng. Abstr.) (Fre)

[Tumor of the hand, free flap and irradiation. Anatomo-pathologic study apropos of 1 case] Sennwald G, et al. **Ann Chir Main** 1985;4(4):328–32 (Eng. Abstr.) (Fre)

[Mediastinal tracheostomy using a myocutaneous island flap of the greater pectoral muscle] Calteux N, et al. **Ann Chir Plast Esthet** 1985;30(3):283–6 (Eng. Abstr.) (Fre)

[Palatal reconstruction using a sternocleidomastoid flap with an upper pedicle] Dupuis A, et al. **Ann Chir Plast Esthet** 1985;30(3):251–5 (Eng. Abstr.) (Fre)

[Personal experience with lower lip reconstruction using the Camille Bernard and R.C. Webster flap. Apropos of 35 cases] Greco JM, et al. **Ann Chir Plast Esthet** 1985; 30(3):221–8 (Eng. Abstr.) (Fre)

[Respect of the nasogenian frontier in lateronasal repair] Lebeau J, et al. **Ann Chir Plast Esthet** 1985;30(4):321–5 (Eng. Abstr.) (Fre)

[2-stage treatment of the cervical failure of prethoracic esophagopharyngoplasty] Levet Y, et al. **Ann Chir Plast Esthet** 1985;30(3):275–8 (Eng. Abstr.) (Fre)

[Closing of vast losses of substance of the scalp: use of a paramedian frontal flap] Leyder P, et al. **Ann Chir Plast Esthet** 1985;30(4):327–34 (Eng. Abstr.) (Fre)

[Feeder flaps or vascularly assisted flaps. Experimental study] Mimoun M. **Ann Chir Plast Esthet** 1985;30(3):291–5 (Eng. Abstr.) (Fre)

[Lifting the dorsalis major flap in the dorsal decubitus position] Mole B, et al. **Ann Chir Plast Esthet** 1986; 31(1):79–81 (Eng. Abstr.) (Fre)

[Myocutaneous flap of the rectus abdominis muscle: experience with a complication] Moufarrège R, et al. **Ann Chir Plast Esthet** 1985;30(3):273–4 (Eng. Abstr.) (Fre)

[Use of local flaps in facial reconstruction] Ohana J. **Ann Chir Plast Esthet** 1986;31(1):94–6 (Eng. Abstr.) (Fre)

[Use of the latissimus dorsi myocutaneous flap for recurrence in breast cancer after irradiation] Pousset C, et al. **Ann Chir Plast Esthet** 1986;31(1):82–5 (Eng. Abstr.) (Fre)

[The digital hemipulp advancement island flap: an attractive technic for the treatment of distal digital amputations] Regnard PJ, et al. **Ann Chir Plast Esthet** 1985;30(3):287–90 (Eng. Abstr.) (Fre)

[Mandibular reconstruction by costomuscular transposition of the latissimus dorsi in oncology] Smatt V, et al. **Ann Chir Plast Esthet** 1986;31(1):40–6 (Eng. Abstr.) (Fre)

[The medial gastrocnemius free flap] Tropet Y, et al. **Ann Chir Plast Esthet** 1985;30(4):316–20 (Eng. Abstr.) (Fre)

[Use of a temporofrontal musculocutaneous flap in reconstruction of the oropharynx after cancer excision] Verge P, et al. **Ann Chir Plast Esthet** 1985;30(4):369–72 (Eng. Abstr.) (Fre)

[The pectoralis major myocutaneous flap in cervicomaxillofacial surgery after irradiation] Wilk A, et al. **Ann Chir Plast Esthet** 1985;30(4):373–8 (Eng. Abstr.) (Fre)

[The transfacial flap in surgery of tumors of the middle and posterior 3d of the face and base of the skull. Its use as a means of approach and reconstruction] Hadjean E, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(7):479–85 (Eng. Abstr.) (Fre)

[Tracheal intubation after maxillofacial reconstruction using a pectoralis major flap] Rombi H, et al. **Cah Anesthesiol** 1985 Nov;33(7):571–4 (Eng. Abstr.) (Fre)

[Deltoid flap repair of large losses of substance of the shoulder rotator cuff] Apoil A, et al. **Chirurgie** 1985; 111(3):287–90 (Eng. Abstr.) (Fre)

[Cutaneo-aponeurotic flaps] Mitz V. **Chirurgie** 1985; 111(8):659–66 (Eng. Abstr.) (Fre)

[Approach to the axillo-subclavian trunk using a sterno-cleido-costal flap] Cornet L. **J Chir (Paris)** 1986 Apr;123(4):278–80 (Eng. Abstr.) (Fre)

[Value of the mobilization of the orbito-zygomatico-malar flap] Lesoin F, et al. **Neurochirurgie** 1986;32(1):90–3 (Eng. Abstr.) (Fre)

[Mobilization of the median fronto-orbital band using a monobloc flap] Lesoin F, et al. **Neurochirurgie** 1986; 32(2):161–3 (Eng. Abstr.) (Fre)

[Gracilis muscle flaps for covering losses of perineal substance in cancer surgery] de Ranieri J, et al. **Presse Med** 1985 Nov 9;14(38):1967–9 (Eng. Abstr.) (Fre)

[The vascularized cross-leg flap] Masquelet AC, et al. **Presse Med** 1985 Nov 16;14(39):2013–5 (Eng. Abstr.) (Fre)

[250 locoregional flaps in ORL oncology. 4 years' experience] Fleck G, et al. **Rev Laryngol Otol Rhinol (Bord)** 1986; 107(1):13–7 (Eng. Abstr.) (Fre)

[Myocutaneous island flap of the lower trapezius. Its value in facial oncology practice] Peron JM, et al. **Rev Stomatol Chir Maxillofac** 1985;86(6):434–8 (Eng. Abstr.) (Fre)

[Experimental determination of the time-dependent extent of after-burning with reference to possibilities of the plastic surgery reconstruction of 3d degree burns] Bäumer F, et al. **Aktuel Traumatol** 1986 Feb;16(1):37–8 (Eng. Abstr.) (Ger)

[Coverage of defects at the shoulder with a deltoid myocutaneous island flap] Jastrzebski J. **Aktuel Traumatol** 1986 Apr;16(2):58–9 (Eng. Abstr.) (Ger)

[Plastic covering of larger wound defects in vulvar cancer] Knapstein PG. **Arch Gynecol** 1985;238(1–4):417–30 (Ger)

[Lumbar hernia following transposition of the latissimus dorsi muscle] Babayan R, et al. **Chirurg** 1986 Jun;57(6):411–2 (Ger)

[Microvascular transplantation of osteocutaneous flaps (combined free tissue transfer)] Berger A. **Chirurg** 1985 Dec;56(12):761–7 (Ger)

[Indications for free tissue transfer in comparison with alternative methods of coverage] Biemer E. **Chirurg** 1986 Mar;57(3):113–4 (Ger)

[Drug treatment, after care and secondary interventions following lower leg reconstruction by free tissue transfer] Biemer E, et al. **Chirurg** 1986 Mar;57(3):140 (Ger)

[Dorsal foot flap (dorsalis pedis flap). Clinical use including management of the removal defect] Biemer E. **Chirurg** 1986 Mar;57(3):137–9 (Ger)

[Free tissue transfer to the lower extremity—determination of its status] Biemer E. **Chirurg** 1986 Mar;57(3):141–2 (Ger)

[2 variant treatment methods in dislocated femoral neck fractures. I. With muscle pedicled iliac crest (m. sartorius). II. With vascular pedicled iliac crest (a. circumflexa iliium profunda)] Di XY, et al. **Chirurg** 1986 May;57(5):340–3 (Ger)

[Preoperative preparation and preliminary studies of free tissue transfer in lower leg reconstruction] Jaeger K. **Chirurg** 1986 Mar;57(3):115–7 (Ger)

[Anatomic principles of free tissue transfer to the lower extremity. Latissimus flap—radialis flap—dorsalis pedis flap] Kaiser E. **Chirurg** 1986 Mar;57(3):118–20 (Ger)

[Planning of soft tissue coverage in the resection of superficial, deforming tumors] Klaes W. **Chirurg** 1986 Feb; 57(2):101–4 (Ger)

[Tissue expander: technic and clinical aspects] Lampe HJ, et al. **Chirurg** 1985 Dec;56(12):773–8 (Ger)

[Surgical treatment of large abdominal wall hernias with m. tensor fasciae latae] Papp C. **Chirurg** 1986 Mar;57(3):165–8 (Ger)

[Combined osteomuscular m. tensor fasciae latae and m. glutaeus medius flaps] Papp C, et al. **Chirurg** 1985 Dec; 56(12):809–13 (Ger)

[Removal technics for free tissue transfer to the lower extremity. Latissimus flap—radialis flap—dorsalis pedis flap] Spilker G. **Chirurg** 1986 Mar;57(3):121–5 (Ger)

[Microvascular latissimus dorsi transfer. Clinical use including management of the site of tissue removal] Steinau HU. **Chirurg** 1986 Mar;57(3):126–33 (Ger)

[Defect coverage in complex hand injuries with and without replantation] Stober R, et al. **Chirurg** 1985 Oct; 56(10):626–34 (Ger)

[Radial artery grafts. Clinical use including management of the site of tissue removal] Stock W, et al. **Chirurg** 1986 Mar;57(3):134–6 (Ger)

[The staircase advancement flap in the reconstruction of the lower lip following resection of prickle cell carcinoma] Sebastian G, et al. **Dermatol Monatsschr** 1986;172(3):145–52 (Eng. Abstr.) (Ger)

[Skin-bulbocavernosus-fatty tissue flap-plasty in the treatment of postoperative vaginal stenosis] Tischendorf D. **Geburtshilfe Frauenheilkd** 1986 Mar;46(3):195–6 (Eng. Abstr.) (Ger)

[Use of the forearm island flap] Goth D. **Handchir Mikrochir Plast Chir** 1986 Jan;18(1):41–6 (Eng. Abstr.) (Ger)

[Breast reconstruction with the transverse abdominal island flap] Jastrzebski J, et al. **Handchir Mikrochir Plast Chir** 1986 Jan;18(1):16–8 (Eng. Abstr.) (Ger)

[Surgical treatment of decubitus ulcers] Petrovici V. **Handchir Mikrochir Plast Chir** 1986 Jul;18(4):242–8 (Eng. Abstr.) (Ger)

[Experiences with the inferior rectus abdominis flap] Piza-Katzer H, et al. **Handchir Mikrochir Plast Chir** 1986 Jul;18(4):225–30 (Eng. Abstr.) (Ger)

[Toe transfer to a mid-hand stump covered with abdominal skin] Schiewe R, et al. **Handchir Mikrochir Plast Chir** 1986 Jan;18(1):30–4 (Eng. Abstr.) (Ger)

[A new technic of nipple reconstruction] Spilker G, et al. **Handchir Mikrochir Plast Chir** 1986 Jan;18(1):19–22 (Eng. Abstr.) (Ger)

[Malignant melanoma of the nailbed under a skin graft] Steen M, et al. **Handchir Mikrochir Plast Chir** 1986 Jul; 18(4):209–13 (Eng. Abstr.) (Ger)

[Effect of flunarizine on healing and necrosis of experimental autografts in the rat] Van de Heyning-Meier JA. **Handchir Mikrochir Plast Chir** 1985 Nov;17 Suppl:60–1 (Eng. Abstr.) (Ger)

[Vascularization and resorption of different supporting tissues by the greater omentum in the formation of compound microvascular transplants] Voy ED. **Handchir Mikrochir Plast Chir** 1985 Nov;17 Suppl:62–5 (Eng. Abstr.) (Ger)

[Experiences with a myocutaneous island flap of the pectoralis major muscle in the reconstruction in the area of the head and neck] Kásler M. **HNO** 1985 Aug; 33(8):355–8 (Eng. Abstr.) (Ger)

[Problem of the surgical treatment of malignant tumors of the hypopharynx and cervical esophagus] Mann W. **HNO** 1985 Aug;33(8):359–63 (Eng. Abstr.) (Ger)

[Application of mixed homologous/autologous full-thickness skin transplants preserved by freezing following 3d degree burns in animal experiments] Bäumer F, et al. **Langenbecks Arch Chir** 1985;365(4):279–84 (Eng. Abstr.) (Ger)

[Simultaneous autologous spongioplasty and muscle flap transposition to restore the continuity of the leg with an osteitis defect] Neugebauer R, et al. **Langenbecks Arch Chir** 1986;367(2):99–105 (Eng. Abstr.) (Ger)

[Plastic surgery measures in connection with bone transplantation in bone and soft tissue defects] Betz A, et al. **Orthopade** 1986 Feb;15(1):50–8 (Eng. Abstr.) (Ger)

[Treatment of subluxation and dislocation of the patella in the child. Elmalie technic with movable soft tissue pedicle (8 year review)] Grammont PM, et al. **Orthopade** 1985 Sep; 14(4):229–38 (Eng. Abstr.) (Ger)

[The soleus muscle: its blood supply as the basis for muscle rotation flap-plasty] Genz K, et al. **Unfallchirurg** 1986 Jun; 89(6):288–92 (Eng. Abstr.) (Ger)

[Healing of infected defect wounds of the lower extremity with a pedicled gastrocnemius flap] Labitzke R, et al. **Unfallchirurg** 1985 Dec;88(12):528–32 (Eng. Abstr.) (Ger)

[Treatment of infected tissue defects—experiences with silicon foam dressings] Müller KH, et al. **Unfallchirurg** 1986 Mar;89(3):101–16 (Eng. Abstr.) (Ger)

[External fixation for the protection of pedicled grafts on the back of the hand] Nutz V, et al. **Unfallchirurg** 1986 Jun;89(6):264–7 (Eng. Abstr.) (Ger)

[Combined plastic surgery of the anterior cruciate ligament with pedicled periosteal flap and cutis strip] Enneker C. **Unfallchirurgie** 1985 Oct;11(5):235–7 (Eng. Abstr.) (Ger)

[Experiences with free and pedicled muscle tissue graft in the treatment of chronic post-traumatic osteomyelitis] Siebert HR, et al. **Unfallchirurgie** 1986 Apr;12(2):107–9 (Eng. Abstr.) (Ger)

[Fibrin gluing in ophthalmic surgery] Friess HG, et al. **Wien Klin Wochenschr** 1986 May 30;98(11):346–7 (Eng. Abstr.) (Ger)

[Dermatosurgical treatment possibilities in leg ulcers] Kaufmann R, et al. **Z Hautkr** 1986 Jul 1;61(13):923–39 (Eng. Abstr.) (Ger)

[The m. soleus distal pedicle flap] Ganzoni N, et al. **Z Unfallchir Versicherungsmed Berufskr** 1985;78(3):201–2 (Ger)

[Soft tissue defects of the groin and their treatment with myocutaneous flaps of m. rectus femoris] Babayan R. **Zentralbl Chir** 1986;111(1):53–6 (Ger)

[Surgical treatment of 3d degree burns with mixed homologous/autologous and heterologous/autologous full-thickness skin grafts. Comparison of results with native and frozen homologous and heterologous tissues in animal experiments] Bäumer F, et al. **Zentralbl Chir** 1986; 111(7):426–30 (Ger)

[Possibilities of breast reconstruction—the latissimus dorsi flap] Knoch HG. **Zentralbl Chir** 1985;110(24):1550–5 (Ger)

[Expanded possibilities of the treatment of vulvar cancer by plastic reconstructive procedures] Knapstein PG, et al. **Zentralbl Gynakol** 1985;107(24):1479–87 (Eng. Abstr.) (Ger)

[Initial experiences with the myocutaneous swing flap-plasty as an expanded possibility for treatment of vulvar cancer] Wilken H, et al. **Zentralbl Gynakol** 1985;107(24):1488–91 (Eng. Abstr.) (Ger)

[The use of the axial external fastener in reconstructive plastic surgery with cross-leg flap. Technical note] Busanelli T, et al. **Chir Organi Mov** 1985 Oct-Dec;70(4):355–7 (Eng. Abstr.) (Ita)

[Repair of substantial tissue losses in cases of cancer of the breast with local complications] Calderoli H, et al. **Minerva Chir** 1985 Aug 15–31;40(15–16):1049–56 (Eng. Abstr.) (Ita)

[Use of cutaneous and musculo-cutaneous free flaps in the repair of injuries caused by heat] Donati L, et al. **Minerva Chir** 1986 Apr 30;41(8):691–6 (Eng. Abstr.) (Ita)

[Surgical technic of reconstruction with a "Z" flap of quadrangular excisions or tissue losses] Pricolo R. **Minerva Chir** 1986 Apr 30;41(8):697–9 (Eng. Abstr.) (Ita)

[Full-thickness onlay grafts in the correction of the deformity of partially edentulous ridges] Zarone F, et al. **Minerva Stomatol** 1986 Jun;35(6):637–49 (Eng. Abstr.) (Ita)

[Effects of chemical sympathectomy in rabbits with experimental free flaps] Wada H. **Fukuoka Igaku Zasshi** 1986 Apr;77(4):209–28 (Eng. Abstr.) (Jpn)

[Excisional surgery of hypopharyngeal cancer and primary reconstruction of the defect] Murakami Y. **Gan To Kagaku Ryoho** 1986 Apr;13(4 Pt 2):1766–76 (Eng. Abstr.) (Jpn)

[Reconstruction methods of anterior chest wall resection—comparison between acrylic resins and myocutaneous flaps] Shiba E, et al. **Nippon Geka Gakkai Zasshi** 1986 Jul;87(7):797–802 (Eng. Abstr.) (Jpn)

[One stage total repair of severe hypospadias: operation technic and results] Imanaka K, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Apr;77(4):626–32 (Eng. Abstr.) (Jpn)

[One stage total repair of hypospadias: results of one stage urethroplasty with parameatal flap(OUPF)] Imanaka K, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Aug;76(8):1171–8 (Eng. Abstr.) (Jpn)

[Evaluation of the results of treatment of facial skin neoplasms] Myśliwiec L. **Ann Acad Med Stetin** 1985; 31:123–37 (Eng. Abstr.) (Pol)

[Analysis of the regional flaps in reconstructive surgery of the oral cavity, jaws and face] Wiktor A. **Ann Acad Med Stetin** 1985;31:139–54 (Eng. Abstr.) (Pol)

[Reconstruction of defects in the anterior crural surface with a flap from the medial head of the gastrocnemius muscle] Podlewski J, et al. **Chir Narzadow Ruchu Ortop Pol** 1985; 50(3):252–4 (Eng. Abstr.) (Pol)

[Myocutaneous flap using the major pectoralis muscle in the reconstruction of defects in the head and neck] Paśnikowski T, et al. **Otolaryngol Pol** 1985;39(3):226–33 (Eng. Abstr.) (Pol)

[Breast reconstruction after mastectomy] Potocki JL. **Pol Tyg Lek** 1985 Aug 26;40(34):949–53 (Pol)

[Surgical repair of mid-penis, proximal penis and penile-scrotal hypospadias using a double island flap of the prepuce] Arap S, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1985 Sep-Oct; 40(5):223–6 (Eng. Abstr.) (Por)

[Modification of the McIndoe neovaginoplasty technic. Experience in 20 cases] Lodovici O, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1985 Jul-Aug; 40(4):166–71 (Eng. Abstr.) (Por)

[Repair of secondary cutaneous deformities of the nose] Modolin M, et al. **Rev Paul Med** 1986 Jan-Feb;104(1):22–6 (Eng. Abstr.) (Por)

[Use of the greater omentum for covering large deperitonized areas] Speranzini MB, et al. **Rev Paul Med** 1985 Sep-Oct; 103(5):254–8 (Eng. Abstr.) (Por)

[Method for the quantitative evaluation of the effect of drugs and other factors on the viability of an ischemic skin flap] Sholokhov VM, et al. **Biull Eksp Biol Med** 1986 Mar; 101(3):375–6 (Eng. Abstr.) (Rus)

[Effect of drugs on the viability of a pedicled skin flap in mice] Samollov NN, et al. **Farmakol Toksikol** 1986 Jan-Feb;49(1):76–8 (Eng. Abstr.) (Rus)

[A method of filling a cylindrical bone cavity] Dmitriev GI, et al. **Khirurgiia (Mosk)** 1985 Nov;(11):128–31 (Rus)

[Use of a double-lobed skin-fat flap of the abdominal wall in postburn deformities of the perineum] Grishkevich VM, et al. **Khirurgiia (Mosk)** 1985 Oct;(10):92–5 (Rus)

[Treatment of burn wounds using autoepithelium grown in vitro (a review of the literature)] Kuzin MI, et al. **Khirurgiia (Mosk)** 1985 Nov;(11):147–51 (24 ref.) **(Rus)**

[Covering the experimental wound surface of the pancreas with a serous and muscular flap from the gastric wall] Val'ter VG, et al. **Khirurgiia (Mosk)** 1986 Feb;(2):105–7 **(Rus)**

[Esophagocardioplasty with a serous muscle flap of the stomach on a vascular pedicle] Zurnadzh'iants VA, et al. **Khirurgiia (Mosk)** 1985 Oct;(10):86–8 **(Rus)**

[Plastic repair with an inguinal flap in deep burns and frostbite] Vikhriev BS, et al. **Klin Khir** 1986;(3):47–9 (Eng. Abstr.) **(Rus)**

[Variant of pedicled skin plasty] Makushin VD, et al. **Ortop Travmatol Protez** 1985 Jul;(7):55–6 **(Rus)**

[Role of tissue microcirculation in determining the timing of reconstructive therapy following pedicled skin plasty of the hand] Okhotskii VP, et al. **Ortop Travmatol Protez** 1985 Jul;(7):27–30 **(Rus)**

[Plastic surgery using skin–muscle flaps in defective stumps of the limbs] Vikhriev BS, et al. **Ortop Travmatol Protez** 1985 Aug;(8):47–9 **(Rus)**

[Primary dermatoplasty in open injuries of the hand and fingers in ambulatory conditions] Voltovich AV, et al. **Ortop Travmatol Protez** 1986 May;(5):12–4 (Eng. Abstr.) **(Rus)**

[Reconstruction of the breast using a skin–muscle flap of the latissimus dorsi muscle] Malygin EN, et al. **Sov Med** 1985;(9):79–83 **(Rus)**

[Plastic repair in defects in the area of the mouth and oropharynx with a skin–muscle flap on subcutaneous muscle] Matiakin EG, et al. **Stomatologiia (Mosk)** 1986 May–Jun;65(3):45–8 (Eng. Abstr.) **(Rus)**

[Use of skin–muscle flaps incorporating the latissimus dorsi muscle for the plastic repair of total defects of the laryngopharynx and the cervical portion of the esophagus] Nudel'man LI, et al. **Stomatologiia (Mosk)** 1986 Jan–Feb; 65(1):37–9 (Eng. Abstr.) **(Rus)**

[Use of a sliding flap in eliminating deformities of the tip of the nose accompanied by unilateral congenital clefts of the upper lip] Vissarionov VA. **Stomatologiia (Mosk)** 1986 Jul–Aug;65(4):55–8 (Eng. Abstr.) **(Rus)**

[Topographic anatomical substantiation of the method of remuscularization of the bladder] Lavrinenko VS, et al. **Urol Nefrol (Mosk)** 1985 Sep–Oct;(5):28–32 (Eng. Abstr.) **(Rus)**

[Correction of soft tissue defects of the head and neck with a cutaneo–muscular flap from the greater pectoral muscle] Falileev GV, et al. **Vestn Khir** 1986 Apr;136(4):100–4 (Eng. Abstr.) **(Rus)**

[Plastic surgery using split skin flap in the primary surgical treatment of crural injuries] Glibin VN, et al. **Vestn Khir** 1986 May;136(5):110–4 (Eng. Abstr.) **(Rus)**

[A method of correcting cicatricial flexion contracture of the fingers] Grishkevich VM, et al. **Vestn Khir** 1985 Nov; 135(11):98–102 (Eng. Abstr.) **(Rus)**

[Clinical substantiation of combined autoallodermoplasty using transverse skin transplants] Izmailov GA. **Vestn Khir** 1985 Jun;134(6):98–102 (Eng. Abstr.) **(Rus)**

[Early surgical treatment of deep thermal burns in children] Kazantseva ND, et al. **Vestn Khir** 1986 May;136(5):83–7 (Eng. Abstr.) **(Rus)**

[Dermatoplasty in post–traumatic necrosis of soft tissues of the hand and fingers] Lazarev AA, et al. **Vestn Khir** 1986 May;136(5):116–20 (Eng. Abstr.) **(Rus)**

[Use of free peritoneo–aponeurotic flaps in splenic injuries] Mamamtavrishvili OG, et al. **Vestn Khir** 1986 Mar;136(3):84 **(Rus)**

[Intermediate revascularization of complex composite flaps in plastic surgery of extensive penetrating defects of the skull] Nerobeev AI, et al. **Vestn Khir** 1986 Apr;136(4):104–7 (Eng. Abstr.) **(Rus)**

[Plastic surgery using islet triangular flaps in 4th degree frostbite of the fingers] Vikhriev BS, et al. **Vestn Khir** 1986 Apr;136(4):108–10 (Eng. Abstr.) **(Rus)**

[Experience with plastic surgery operations on the adnexa oculi] Kataev MG. **Vestn Oftalmol** 1986 Mar–Apr; 102(2):38–41 (Eng. Abstr.) **(Rus)**

[Experience with plastic surgery of extensive oropharyngoesophagostomies using pectoral cutaneo–muscular flap] Lapchenko SN, et al. **Vestn Otorinolaringol** 1985 Jul–Aug;(4):53–6 (Eng. Abstr.) **(Rus)**

[A modified Ariyan's procedure for myocutaneous flaps in head and neck tumors] Kásler M, et al. **Vopr Onkol** 1985; 31(11):25–9 (Eng. Abstr.) **(Rus)**

[Distal urethroplasty with flap] Zungri E, et al. **Actas Urol Esp** 1986 Jan–Feb;10(1):29–30 (Eng. Abstr.) **(Spa)**

[Complication and survival in reconstructive surgery of the head and neck] Suárez Nieto C, et al. **An Otorrinolaringol Ibero Am** 1986;13(1):5–23 (Eng. Abstr.) **(Spa)**

[New surgical technic for the reconstruction of partial lip defects following tumor resection: the lip hatch flap] Gálvez García AM. **Rev Esp Oncol** 1984;31(3):503–9 (Eng. Abstr.) **(Spa)**

METHODS

Microvascular surgery of the lower limb. Townsend PL. **Br J Hosp Med** 1985 Nov;34(5):277, 279–80, 282 passim

Functional latissimus dorsi island pedicle musculocutaneous flap to restore finger function. Doi K, et al. **J Hand Surg [Am]** 1985 Sep;10(5):678–84

Thyroid cartilage flap reconstruction of the larynx following vertical partial laryngectomy: a preliminary report in two patients. Burgess LP, et al. **Laryngoscope** 1985 Oct; 95(10):1258–61

Functional tracheoesophageal shunt for vocal rehabilitation after laryngectomy. Li SL. **Laryngoscope** 1985 Oct; 95(10):1267–71

Reconstruction of columella and upper lip by septal flap. Puterman M, et al. **Laryngoscope** 1985 Oct;95(10):1272–3

One–stage procedure using a digitorum brevis muscle flap for reconstruction of a surgical defect after excision of malignant melanoma in the heel. Furukawa M, et al. **Osaka City Med J** 1985 Dec;31(2):135–44

Reconstruction of congenitally absent breast and pectoralis major muscle with latissimus dorsi muscle flap. Furukawa M, et al. **Osaka City Med J** 1985 Dec;31(2):145–9

Reconstruction of the columella with bilateral nasolabial flaps. Yanai A, et al. **Plast Reconstr Surg** 1986 Jan; 77(1):129–32

The dorsalis pedis free flap: technique of elevation, foot closure, and flap application. Zuker RM, et al. **Plast Reconstr Surg** 1986 Jan;77(1):93–104

[The latissimus dorsi muscle flap: a new possibility for use in restorative surgery of the head and neck] Borbély L, et al. **Orv Hetil** 1985 Sep 22;126(38):2335–8 (Eng. Abstr.) **(Hun)**

[Reconstruction of a penetrating chin defect, after radical surgery, using a "gemini" flap from the pectoralis major muscle] Kásler M. **Orv Hetil** 1985 Sep 29;126(39):2411–3 (Eng. Abstr.) **(Hun)**

SURGICAL INSTRUMENTS

Lasers in the O.R. From science fiction to fact. Freeman DL. **Am J Nurs** 1986 Mar;86(3):278–82

A modification of the Kerrison rongeur. Lemke BN, et al. **Am J Ophthalmol** 1986 Mar 15;101(3):384–5

A disposable cystotome–cannula. Rumelt MB. **Am J Ophthalmol** 1986 Mar 15;101(3):385

Integration of vitreoretinal instrumentation. Stern WH, et al. **Am J Ophthalmol** 1985 Dec 15;100(6):856–7

A clamp for transplant nephrectomy. Nghiem DD. **Am Surg** 1985 Nov;51(11):632–3

Potential hazard of Doughty tongue plate [letter] Ireland R. **Anaesth Intensive Care** 1986 May;14(2):209

The use of a trochar to fixate a dislocated lens. Bodé D, et al. **Ann Ophthalmol** 1986 Jan;18(1):14–5

Wound closure strips to secure vascular tourniquet sutures [letter] Olinger GN, et al. **Ann Thorac Surg** 1986 Jul; 42(1):120

Self–retaining iris speculum for open–sky vitrectomy. Jabbour NM, et al. **Arch Ophthalmol** 1986 Jan;104(1):137–8

Simmons' tamponade shell for leaking filtration blebs. Ruderman JM, et al. **Arch Ophthalmol** 1985 Nov; 103(11):1708–10

Device to locate facial nerve during surgery [letter] Møller AR, et al. **Arch Otolaryngol Head Neck Surg** 1986 Jun; 112(6):679

Wellington Hospital vaginal retractor. Duncan GR. **Aust NZ J Obstet Gynaecol** 1985 May;25(2):143

A new instrument for inserting intercostal catheters. Pollard CW. **Aust NZ J Surg** 1985 Aug;55(4):407–9

A comparative study of corneal incisions induced by diamond and steel knives and two ultraviolet radiations from an excimer laser. Marshall J, et al. **Br J Ophthalmol** 1986 Jul; 70(7):482–501

A scalpel handle with electrocoagulating forceps. Harashina T. **Br J Plast Surg** 1986 Apr;39(2):267

A modification of the Kilner–Dott mouth gag for improving exposure to the nasopharyngeal area. Laitung JK. **Br J Plast Surg** 1986 Apr;39(2):268–9

A new design of handle for the Micro–Dermatome. Rosenberg L. **Br J Plast Surg** 1985 Oct;38(4):586–7

Making your mark in surgery. Lafferty K, et al. **Br J Surg** 1986 Aug;73(8):609

Angled scissors for anterior resection. Bawnik JB, et al. **Dis Colon Rectum** 1986 Feb;29(2):144

The Encircler. A new instrument for the performance of the Thiersch procedure for rectal procidentia. Swerdlow H. **Dis Colon Rectum** 1986 Feb;29(2):145–7

A set of double–angled needle holders and long, angled tissue forceps for use in surgery of the abdomen. Thorlakson RH. **Dis Colon Rectum** 1986 Sep;29(9):591–3

Intestinal forceps for control of tubulovisceral structures in deep abdominal surgery. Thorlakson RH. **Dis Colon Rectum** 1986 Sep;29(9):594–5

An intraocular balloon for silicone oil implantation. Gnad H, et al. **Graefes Arch Clin Exp Ophthalmol** 1986; 224(1):18–20

Disobliteration of the aorto–iliac (–femoral) arteries with the plaque cracker, using the retroperitoneal approach. Widdershoven GM, et al. **Int Angiol** 1985 Apr–Jun; 4(2):243–8

A percutaneously adjustable device for banding of the pulmonary trunk. Park SC, et al. **Int J Cardiol** 1985 Dec; 9(4):477–84

The 30–gauge needle: a versatile surgical instrument [letter] King DF, et al. **J Am Acad Dermatol** 1986 Feb;14(2 Pt 1):280

New single–use Honan balloon. Honan PR. **J Am Intraocul Implant Soc** 1985 Sep;11(5):496–7

Effect of incision size and Terry keratometer usage on postoperative astigmatism. Lindstrom RL, et al. **J Am Intraocul Implant Soc** 1985 Sep;11(5):469–73

A modified hook for posterior chamber intraocular lens positioning. Maltzman BA, et al. **J Am Intraocul Implant Soc** 1985 Nov;11(6):607–8

Implantation forceps for laser–edge intraocular lens. Moses L. **J Am Intraocul Implant Soc** 1985 Nov;11(6):608

New instrumentation for scalp reduction. Puig CJ, et al. **J Dermatol Surg Oncol** 1986 Jul;12(7):730–3

A new instrumentation for heel spur resection. Keating SE. **J Foot Surg** 1986 Jul–Aug;25(4):301–3

A new tendon pulley passer. Arons MS. **J Hand Surg [Am]** 1985 Sep;10(5):758–9

The angiocatheter in the management of hand injuries. Jordan SE, et al. **J Hand Surg [Am]** 1986 May;11(3):446

Arthroscopic blades in flexor tenolysis of the hand. Schreiber DR. **J Hand Surg [Am]** 1986 Jan;11(1):144–5

The contaminated skin–knife—fact or fiction. Grabe N, et al. **J Hosp Infect** 1985 Sep;6(3):252–6

Biocompatibility analysis of the Sundt–Kees booster clip and the Drake aneurysm clip. Technical note. Anderson RE, et al. **J Neurosurg** 1985 Dec;63(6):980–4

A new microclip for vascular occlusion. Technical note. Andrews BT, et al. **J Neurosurg** 1986 May;64(5):822–3

Fenestrated clips for internal carotid artery aneurysms. Technical note. Fujita S. **J Neurosurg** 1986 Jul;65(1):122–3

X–ray–translucent retractors in spine surgery. Technical note. Knöringer P. **J Neurosurg** 1986 Mar;64(3):520–1

Table–fixed retractor system for noncranial surgery. Technical note. Saunders RL. **J Neurosurg** 1986 May; 64(5):819–21

Miniclips and microclips for surgical hemostasis. Technical note. Sundt TM Jr, et al. **J Neurosurg** 1986 May;64(5):824–5

An inexpensive and effective retractor for transanal surgery. Tepas JJ 3d, et al. **J Pediatr Surg** 1986 Jan;21(1):39–40

Haemorrhage following insertion of continuous suction drains at appendicectomy. Cameron–Strange A, et al. **J R Coll Surg Edinb** 1985 Aug;30(4):271–2

A self–retaining retractor for mitral valve operations. Cosgrove DM. **J Thorac Cardiovasc Surg** 1986 Aug; 92(2):305–6

A modification of the Otis urethrotome as an aid to fascial dilation of percutaneous nephrostomy tracts. Ireton RC, et al. **J Urol** 1986 Apr;135(4):677–8

An improved hook for destroying posterior urethral valves. Whitaker RH, et al. **J Urol** 1986 Mar;135(3):531–2

New instrument: illuminated bougie for use in cervical esophageal surgery. LeJeune FE Jr, et al. **Laryngoscope** 1986 Sep;96(9 Pt 1):1040

Oral, nasal, and sinus procedures using a self–retaining retractor. Martin L. **Laryngoscope** 1985 Oct;95(10):1274–5

Dual–ended, multifunction tools for microsurgery. Hariri RJ, et al. **Microsurgery** 1985;6(4):251–2

Plastic double clamp for use in microsurgery. Válka J. **Microsurgery** 1985;6(4):249–50

Surgical tools: the use of a cordless bone drill in traumatology [letter] Boxma H, et al. **Neth J Surg** 1986 Feb;38(1):25

A new lightweight shunt clamp for use during carotid endarterectomy. Chandler WF. **Neurosurgery** 1986 Aug; 19(2):252

Identification of a retained surgical sponge using magnetic resonance imaging. Nabors MW, et al. **Neurosurgery** 1986 Apr;18(4):496–8

Ultrasonic capsule polisher: a new instrument and technique. Devine TM. **Ophthalmic Surg** 1985 Sep;16(9):552–5

The anterior capsular nibbler. Schulze RR. **Ophthalmic Surg** 1985 Aug;16(8):510

Stewart's lenticular nucleus snare. Stewart RH, et al. **Ophthalmic Surg** 1986 Aug;17(8):524

Combined iris and cornea retractor for intracapsular cataract surgery. Yazujian LD. **Ophthalmic Surg** 1986 Mar;17(3):166

Austin micropipette. Austin DF. **Otolaryngol Head Neck Surg** 1985 Oct;93(5):687–8

Handpiece with variable spot size for carbon dioxide laser surgery. Shapshay SM, et al. **Otolaryngol Head Neck Surg** 1986 Mar;94(3):400–1

Guided osteotome technique [letter] Hendel P. **Plast Reconstr Surg** 1986 Apr;77(4):682

Long–gap esophageal atresia: experience with Kato's instrumental anastomosis, with cervicothoracic procedure and primary anastomosis, and with retrosternal colonic interposition. Hecker WC. **Prog Pediatr Surg** 1986;19:9–21

Distribution of current during transurethral resection. Kay L, et al. **Scand J Urol Nephrol** 1985;19(4):257–9

Trocar modification for vertical banded gastroplasty. Hawkins ML. **South Med J** 1986 Aug;79(8):1042

A practical solution for illuminating hidden places. Bilik R, et al. **Surg Gynecol Obstet** 1986 Mar;162(3):268–9

Prevention of vein graft twisting and optimization of its length using a new tunneller. Chiu RC. **Surg Gynecol Obstet** 1985 Dec;161(6):588–90

Refinement of a surgical technique using angulated needle holders and surgical instruments. Hodge J. **Surg Gynecol Obstet** 1986 Jan;162(1):56–9

An operative choledochoscopy using the flexible choledochoscope. Jakimowicz JJ, et al. **Surg Gynecol Obstet** 1986 Mar;162(3):215–21

The use of the hemostatic scalpel in operations upon the breast. Pilnik S, et al. **Surg Gynecol Obstet** 1986 Jun; 162(6):589–91

Long term results after portal disconnection of the esophagus using an anastomotic button for bleeding esophageal varices in cirrhosis. Prioton JB, et al. **Surg Gynecol Obstet** 1986 Aug;163(2):121–6

Hepatic parenchymal suction dissector. Sugarbaker PH, et al. **Surg Gynecol Obstet** 1986 Sep;163(3):267–9

A set of new hand held, deep abdominal retractors. Thorlakson RH. **Surg Gynecol Obstet** 1986 Jul;163(1):76–7

Preoperative spinal localization using the hook wire technique. Lesoin F, et al. **Surg Neurol** 1986 May; 25(5):510–1

The gastro-clip gastroplasty: an alternative surgical procedure for the treatment of morbid obesity. Bashour SB, et al. **Tex Med** 1985 Oct;81(10):36–8

Measurement of the efficiency of tissue removal with the Cavitron Ultrasonic Surgical Aspirator and the comparison with a new motor-driven probe. Chan KK, et al. **Ultrasound Med Biol** 1985 May–Jun;11(3):L533–7

[Experimental and clinical use of a domestic plasma scalpel] Zhang XH, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Jan; 24(1):49–52, 64 (Eng. Abstr.) **(Chi)**

[A special trepanation drill] Moravec O, et al. **Acta Chir Orthop Traumatol Cech** 1986 Jun;53(3):256–9 (Eng. Abstr.) **(Cze)**

[A new "nontraumatic" towel forceps]Meiss L. **Chirurg** 1985 Jul;56(7):480 **(Ger)**

[The wire-guided papillotome: its use in unfavorable anatomical conditions of Vater's ampulla] Fehr HF. **Schweiz Rundsch Med Prax** 1986 Mar 4;75(10):255–6 (Eng. Abstr.) **(Ger)**

[Percutaneous management of osseous avulsions of extensor tendons and lateral ligaments of the fingers with the hooked wire] Ender HG, et al. **Unfallchirurgie** 1986 Jun;12(3):143–7 (Eng. Abstr.) **(Ger)**

[Gallstone formation following transmural migration of a surgical clip in the bile ducts. Case report] Wittenberg H, et al. **Z Gastroenterol** 1985 Mar;23(3):139–42 (Eng. Abstr.) **(Ger)**

[Planimetric studies of the lumbar intervertebral space following nucleotomy by straight and angled rongeur] Hausmann B, et al. **Z Orthop** 1986 Jan–Feb;124(1):119–22 (Eng. Abstr.) **(Ger)**

[The effect of hot air sterilization on the sharpness of bone knives] Häussler G. **Z Orthop** 1985 May–Jun;123(3):420–1 (Eng. Abstr.) **(Ger)**

[Clinical application of our own permanent aortic clamp for the surgery of thoracic aortic aneurysms] Ando M, et al. **Kyobu Geka** 1985 Sep;38(9):722–7 (Eng. Abstr.) **(Jpn)**

[Vena cava tourniquet clamp unnecessary to tape around] Asao M, et al. **Kyobu Geka** 1986 Apr;39(4):290–1 (Eng. Abstr.) **(Jpn)**

[A flexible measure] Hachida M. **Kyobu Geka** 1985 Sep; 38(9):712 (Eng. Abstr.) **(Jpn)**

[A protector for the prevention of sternal fracture following median sternotomy] Okada T, et al. **Kyobu Geka** 1986 Feb; 39(2):113–4 (Eng. Abstr.) **(Jpn)**

[Vein holder for coronary bypass surgery—its particular effectiveness in sequential grafting] Suma H, et al. **Kyobu Geka** 1985 Sep;38(9):710–1 (Eng. Abstr.) **(Jpn)**

[Improvement of prostatic detaching blade for transurethral enucleation of benign prostatic hyperplasia] Hiraoka Y. **Nippon Hinyokika Gakkai Zasshi** 1986 Apr;77(4):618–25 (Eng. Abstr.) **(Jpn)**

[Advantages of ultrasonic surgical instruments in experimental neurophysiology] Ogleznev KIa, et al. **Biull Eksp Biol Med** 1986 Jul;102(7):115–6 (Eng. Abstr.) **(Rus)**

[A fistula dilator] Izmallov GA, et al. **Khirurgiia (Mosk)** 1985 Dec;(12):107–8 **(Rus)**

[A fasciotomy] Matel VM, et al. **Klin Khir** 1986;(4):69 **(Rus)**

[Fiber light guide-catheter for laser irradiation] Grigor'iants VV, et al. **Med Tekh** 1985 Sep–Oct;(5):40–2 (Eng. Abstr.) **(Rus)**

[Clamps for cardiovascular surgery of children] Kochneva ZM, et al. **Med Tekh** 1986 Mar–Apr;(2):59–62 (Eng. Abstr.) **(Rus)**

[A cutter for tresting the cotyloid cavity] Abakarov AA, et al. **Ortop Travmatol Protez** 1986 Apr;(4):58–9 **(Rus)**

[Method for the surgical treatment of periodontal diseases using a fetal bone graft and a device for its performance] Tatintsian VG, et al. **Stomatologiia (Mosk)** 1986 Mar–Apr; 65(2):21–3 (Eng. Abstr.) **(Rus)**

[A collapsible bougie-guide for operations on teadons] Oshukova SM, et al. **Vestn Khir** 1985 Sep;135(9):130–1 **(Rus)**

[Outlook for use of the plasma scalpel in surgery] Savel'ev VS, et al. **Vestn Khir** 1986 Jan;136(1):7–11 **(Rus)**

[Experimental study of corneal incisions made with a ruby knife] Agamalieva FSh, et al. **Vestn Oftalmol** 1986 Mar–Apr;102(2):66–71 (Eng. Abstr.) **(Rus)**

[Ultrasonic instruments in the treatment of glaucoma] Dolzhich GI. **Vestn Oftalmol** 1985 Sep–Oct;101(5):59–61 (Eng. Abstr.) **(Rus)**

[Low-frequency ultrasonic/surgical instruments in osteoplastic ophthalmologic surgery] Kodzov MB. **Vestn Oftalmol** 1986 Mar–Apr;102(2):41–4 (Eng. Abstr.) **(Rus)**

[Presentation of a disposable dermatome] Sánchez CF, et al. **Angiologia** 1986 Jul–Aug;38(4):237–41 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

An experimental study of iatrogenically induced operating theatre burns. Morgan DA, et al. **Aust NZ J Surg** 1985 Feb;55(1):55–60

Migration of a Heifetz aneurysm clip to the cauda equina causing lumbar radiculopathy. Case report. Oyesiku NM, et al. **J Neurosurg** 1986 Aug;65(2):256–7

Pneumatic surgical instruments and postoperative infection [letter] Oberg B, et al. **Lancet** 1985 Dec 21–28; 2(8469–70):1436

ECONOMICS

Customized suture packs. A method for containing costs. Kirk NJ. **AORN J** 1986 Mar;43(3):655, 658–63

Cost-effective retractors for laser surgery. Lanzafame RJ, et al. **AORN J** 1986 Jun;43(6):1218–9

Surgonomics. Money down the drains. Muñoz E, et al. **Arch Surg** 1985 Nov;120(11):1285–7

Inexpensive retractors for laser operations. Lanzafame RJ, et al. **Surg Gynecol Obstet** 1985 Oct;161(4):392–3

HISTORY

The history and evolution of surgical instruments. V needles and their penetrating derivatives. Kirkup J. **Ann R Coll Surg Engl** 1986 Jan;68(1):29–33

Classic articles in colonic and rectal surgery. Joannis Scultetus 1595–1645. **Dis Colon Rectum** 1986 Jan; 29(1):73–82

[Contribution of N.I. Pirogov to the development of Russian medical instrumentaria] Marasanov RA, et al. **Med Tekh** 1985 Nov–Dec;(6):3–6 **(Rus)**

STANDARDS

Caution about disposable vein strippers [letter] Stary DR, et al. **Med J Aust** 1986 Feb 3;144(3):165–6

UTILIZATION

Surgical treatment of rhinophyma with the Shaw scalpel. Eisen RF, et al. **Arch Dermatol** 1986 Mar;122(3):307–9

VETERINARY

Technique for the surgical repair of the symphysis and pars incisiva of the feline mandible. Brodie JD, et al. **Vet Rec** 1986 May 10;118(19):539

SURGICAL MESH

Stainless steel wire mesh cranioplasty: ten years' experience with 183 patients (100 followed up). Datti R, et al. **Acta Neurochir (Wien)** 1985;78(3–4):133–5

Improperly sterilized fine-mesh gauze associated with donor site infections in skin-grafted burn patients. Kravitz M, et al. **Am J Infect Control** 1985 Aug;13(4):178–82

Comparative study of the clinical results obtained by means of Plastipore and ceramic ossicular prosthesis and bone allografts. Gersdorff MC, et al. **Am J Otol** 1986 Jul; 7(4):294–7

Evaluation of polylactic acid–carbon mesh for repair of ventral herniorrhaphy. Greenstein SM, et al. **Am J Surg** 1986 May;151(5):635–9

Repair of subxiphoid incisional hernias with Marlex mesh after median sternotomy. Cohen MJ, et al. **Arch Surg** 1985 Nov;120(11):1270–1

Use of an absorbable mesh to repair contaminated abdominal-wall defects. Dayton MT, et al. **Arch Surg** 1986 Aug;121(8):954–60

Polypropylene mesh closure of the abdominal wall [letter] **Br J Surg** 1986 Jul;73(7):594

Extended indications for polypropylene mesh closure of the abdominal wall. Chan ST, et al. **Br J Surg** 1986 Jan; 73(1):3–6

The 'sandwich technique' in the management of the open abdomen. Schein M, et al. **Br J Surg** 1986 May;73(5):369–70

Large abdominal incisional hernias: repair by fascial approximation reinforced with a stainless steel mesh. Validire J, et al. **Br J Surg** 1986 Jan;73(1):8–10

Polylactic acid surgical dressing material. Postoperative therapy for dental extraction wounds. Brekke JH, et al. **Can Dent Assoc J** 1986 Jul;52(7):599–602

Excision of abdominal wall tumours and reconstruction with Marlex mesh. Down NK, et al. **Can J Surg** 1986 May; 29(3):191–3

Sphincter repair with a Silastic sling for anal incontinence and rectal procidentia. Horn HR, et al. **Dis Colon Rectum** 1985 Nov;28(11):868–72

Titanium mesh and particulate cancellous bone and marrow grafts to augment the maxillary alveolar ridge. Gongloff RK, et al. **Int J Oral Maxillofac Surg** 1986 Jun;15(3):263–8

A preperitoneal approach in the prosthetic repair of inguinal hernia. Van Damme JP. **Int Surg** 1985 Jul–Sep;70(3):223–6

Resection of plantar fibromatosis with interposition of Marlex surgical mesh. Oster JA, et al. **J Foot Surg** 1986 May–Jun; 25(3):217–25

Modification of the maxillary step osteotomy and stabilization with titanium mesh. Stringer DE, et al. **J Oral Maxillofac Surg** 1986 Jun;44(6):487–8

Evaluation of absorbable polyglycolic acid mesh as a wound support. Marmon LM, et al. **J Pediatr Surg** 1985 Dec; 20(6):737–42

The giant omphalocele: a new approach for a rapid and complete closure. Yazbeck S. **J Pediatr Surg** 1986 Aug; 21(8):715–7

Full thickness replacement of the abdominal wall with synthetic mesh (a report of 2 cases). Shah RS, et al. **J Postgrad Med** 1986 Jan;32(1):42–4

Efficacy of polyglycolic acid mesh sling in keeping the small bowel in the upper abdomen after abdominal surgery: a 12-month study in baboons. Devereux DF, et al. **J Surg Oncol** 1986 Mar;31(3):204–9

Constrictive perivenous mesh prosthesis for preservation of vein integrity. Experimental results and application for coronary bypass grafting. Barra JA, et al. **J Thorac Cardiovasc Surg** 1986 Sep;92(3 Pt 1):330–6

Woven polyglycolic acid mesh has increased the opportunity for safe splenic repair [letter] Light A, et al. **J Trauma** 1986 Mar;26(3):297

Polyglycolic acid mesh in experimental renal trauma. Lau JL, et al. **J Urol** 1986 Sep;136(3):715–8

Treatment of complete rectal prolapx by a modified Ripstein procedure [letter] Dongelmans NJ, et al. **Neth J Surg** 1985 Dec;37(6):190–1

Wrapping of abdominal aortic aneurysms: a viable alternative. Kartchner MM, et al. **Surg Clin North Am** 1986 Apr;66(2):397–401

Preperitoneal synthetic mesh placement for recurrent hernias of the groin. Rosenthal D, et al. **Surg Gynecol Obstet** 1986 Sep;163(3):285–6

New technique for repairing large ventral incisional hernias with Marlex mesh. Rubio PA. **Surg Gynecol Obstet** 1986 Mar;162(3):275–6

The septic abdomen: open management with Marlex mesh with a zipper. Hedderich GS, et al. **Surgery** 1986 Apr; 99(4):399–408

Cranioplasty with acrylic methyl methacrylate resin. Modified procedure—technical note. Steimlé R, et al. **Zentralbl Neurochir** 1986;47(1):24–7

[Use of ampoxen mesh in the surgical treatment of postoperative defects and hernias of the anterior abdominal wall] Ianchev D, et al. **Khirurgiia (Sofiia)** 1986;39(1):29–32 (Eng. Abstr.) **(Bul)**

[Use of a resorbable mesh in the conservative treatment of a ruptured human kidney allograft] Chopin D, et al. **Ann Urol (Paris)** 1986;20(4):286–9 (Eng. Abstr.) **(Fre)**

[Perirenal prosthesis in traumatic ruptures. Apropos of a case] Spay G, et al. **Ann Urol (Paris)** 1986;20(1):43–5 (Eng. Abstr.) **(Fre)**

[The use of an absorbable synthetic mesh in the treatment of extensive parietal defects of the abdomen] Barras JP, et al. **Helv Chir Acta** 1986 Jun;53(1–2):51–4 (Eng. Abstr.) **(Fre)**

[Hepatic rupture. Wrapping with absorbable mesh] Brunet C, et al. **Presse Med** 1986 May 31;15(22):1041–3 (Eng. Abstr.) **(Fre)**

[Plurifragmentary ruptures of the kidney. Wrapping by absorbable mesh] Spay G. **Presse Med** 1985 Sep 7; 14(29):1557–8 (Eng. Abstr.) **(Fre)**

[Polyglactin 910 (Vicryl) net in myringoplasty. An animal experiment and clinical study] Zöllner C, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Jun;65(6):317–21 (Eng. Abstr.) **(Ger)**

[Use of prolene mesh in the treatment of laparoceles and recurrent inguinal hernias] Boveri I, et al. **Minerva Chir** 1985 Dec 15–31;40(23–24):1643–7 (Eng. Abstr.) **(Ita)**

[Colpopexy by fashioning prosthetic ligaments in the treatment of prolapse of the vaginal dome after total hysterectomy] Bonini CA, et al. **Minerva Ginecol** 1986 Mar; 38(3):155–61 (Eng. Abstr.) **(Ita)**

[The study of the reconstruction of tissue defects with artificial materials, especially in the chest wall, diaphragm and pericardium] Matsumoto M. **Bull Chest Dis Res Inst Kyoto Univ** 1981 Mar;14(1–2):1–8 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of the DALLOP-type of fascial prostheses in closing extensive ventral hernias] Pardela M, et al. **Polim Med** 1985;15(3–4):109–12 (Eng. Abstr.) **(Pol)**

[Rectopexy with vicryl mesh in the treatment of prolapse of the rectum (letter)] Palma F. **Rev Esp Enferm Apar Dig** 1986 Feb;69(2):185–6 **(Spa)**

SURGICAL NURSING

Ceramic hip arthroplasty. Procedure and nursing care. Allison J, et al. **AORN J** 1985 Dec;42(6):862–71

Temporomandibular joint syndrome. Surgical correction and patient care. Hendrickson PA. **AORN J** 1986 Jun; 43(6):1252–67

EDUCATION

Nursing students learn the ABC's in ambulatory surgery. Doroshow ML. **AORN J** 1986 Feb;43(2):524, 526

Nursing education. Perioperative and community health nursing combined. Packard S, et al. **AORN J** 1985 Dec; 42(6):888–93

ORGANIZATION & ADMINISTRATION

Preanesthesia nursing unit. Developing a unit and analyzing the effect. Hittner EA. **AORN J** 1986 Aug;44(2):185–9, 192–5

Primary nursing. Adapting the concept for OR nurses. Pattison KA, et al. **AORN J** 1986 Feb;43(2):493–8

STANDARDS

Articulating professional nursing practice behaviors. Behrend BJ, et al. **J Nurs Adm** 1986 Feb;16(2):20–4

SURGICAL REPLANTATION see REPLANTATION

SURGICAL SCRUB see HANDWASHING

SURGICAL STAPLERS

Curative potential of EEA stapler in rectal carcinoma. Ohman U. **Acta Chir Scand** 1986 Jan;152:59–64

Automatic clip applier as an aid to liver resection. Foster JH. **Am J Surg** 1986 Feb;151(2):289–90

Jejunal interposition gastroduodenostomy with automated suturing devices. Jascalevich MC. **Am J Surg** 1986 Sep; 152(3):320–2

A 7 year experience with low anterior sigmoid resections using the EEA stapler. Trollope ML, et al. **Am J Surg** 1986 Jul;152(1):11–5

A technique for safe transanal passage of the circular end–to–end stapler for low anterior anastomosis of the colon. Wiest JW, et al. **Am J Surg** 1986 Apr;151(4):512–4

Sutures versus staples in skin flap operations. Coupland RM. **Ann R Coll Surg Engl** 1986 Jan;68(1):2–4

Staples for wound closure: a controlled trial. Gatt D, et al. **Ann R Coll Surg Engl** 1985 Sep;67(5):318–20

Anterior resection of the rectum—a simplified stapling technique. Wale RJ, et al. **Ann R Coll Surg Engl** 1985 Sep; 67(5):288–9

Closure of the urinary bladder with stainless steel and absorbable staples. Julian TB, et al. **Ann Surg** 1986 Aug; 204(2):186–92

Healing of esophagojejunal anastomoses after experimental total gastrectomy. A comparative study using manually sutured or stapled anastomoses. Walther B, et al. **Ann Surg** 1986 Apr;203(4):439–46

Esophagogastrectomy with use of a single gastrotomy for pyloromyectomy and insertion of EEA stapler and gastrostomy tube. Shiu MH. **Arch Surg** 1986 Aug; 121(8):961–5

Update on gastrointestinal stapling. Wale RJ, et al. **Aust Fam Physician** 1985 Oct;14(10):1023–6

Abdominal wound closure comparing the proximate stapler with sutures. Lubowski D, et al. **Aust NZ J Surg** 1985 Aug;55(4):405–6

Comparison of stapling and hand–suture for left–sided large bowel anastomosis. Everett WG, et al. **Br J Surg** 1986 May; 73(5):345–8

Stapled ileo–anal anastomosis: a technique to avoid mucosal proctectomy in the ileal pouch operation. Heald RJ, et al. **Br J Surg** 1986 Jul;73(7):571–2

Excision of rectal villous adenoma using a TA or GIA stapler. Miskowiak J, et al. **Br J Surg** 1986 Aug;73(8):630

Treatment of a stenotic gastroenterostomy with autosuture instruments. Saksø P, et al. **Br J Surg** 1985 Nov;72(11):915

Simple stapling technique to fashion an intestinal valve [letter] Voitk AJ. **Can J Surg** 1986 Jan;29(1):10–1

A prospective randomized study of sutured versus stapled bowel anastomoses in patients with cancer. Didolkar MS, et al. **Cancer** 1986 Feb 1;57(3):456–60

Treatment of recurrent anterior dislocation of the shoulder by duToit Staple capsulorrhaphy. Results of long–term follow–up study. Rao JP, et al. **Clin Orthop** 1986 Mar; (204):169–76

Use of autosuture during oesophageal and pharyngeal diverticulectomy. Pagliero KM. **Clin Otolaryngol** 1985 Oct; 10(5):263–4

Anastomosis with EEA stapler following Hartmann procedure. Caracciolo F, et al. **Dis Colon Rectum** 1986 Jan; 29(1):67–8

Purse–string placement for transanal intraluminal circular stapling. Cohen AM. **Dis Colon Rectum** 1986 Aug; 29(8):532–3

Posterior rectal resection using EEA stapler. Jacobson YG. **Dis Colon Rectum** 1985 Sep;28(9):681–3

The rational use of the purse–string device in constructing anastomoses with the circular stapler. Last MD, et al. **Dis Colon Rectum** 1985 Dec;28(12):979–80

The use of the disposable intraluminal stapler in the definitive management of Hirschsprung's disease. Saing H, et al. **Dis Colon Rectum** 1986 Mar;29(3):211–3

An alternate technique to appiy a low rectal purse–string when using the EEA stapler for low pelvic anastomosis. Snook CW. **Dis Colon Rectum** 1986 Jan;29(1):69–70

Operating proctoscopes designed for use in rectal anastomosis by stapling techniques. Thorlakson RH. **Dis Colon Rectum** 1986 Mar;29(3):214–6

Use of the end–to–end anastomosis stapling device in low colorectal anastomosis associated with radical gynecologic surgery. Harris WJ, et al. **Gynecol Oncol** 1986 Mar; 23(3):350–7

Guide tube for the transanal use of circular staplers. Vankemmel MH. **Int Surg** 1985 Jul–Sep;70(3):233–5

A prospective trial of skin staples and sutures in skin closure. Harvey CF, et al. **Ir J Med Sci** 1986 Jun;155(6):194–6

Blunt esophageal resection for esophagocardial cancer: blunt dissection and retrosternal esophagojejunostomy using the EEA stapler. Hattori T, et al. **Jpn J Surg** 1986 Mar; 16(2):144–7

The low–output carbon dioxide laser for cutaneous wound closure of scalpel incisions: comparative tensile strength studies of the laser to the suture and staple for wound closure. Garden JM, et al. **Lasers Surg Med** 1986;6(1):67–71

Circular stapling in colorectal surgery [editorial] Killingback M. **Med J Aust** 1986 Jan 20;144(2):59–60

Experimental evaluation of absorbable copolymer staples for hysterectomy. Steckel RR, et al. **Obstet Gynecol** 1986 Sep; 68(3):404–10

Use of absorbable staples for closure of proximal end of ileal loops. Wheeless CR Jr. **Obstet Gynecol** 1986 Feb; 67(2):280–3

Comparison of automatic staplers in small bowel anastomoses. Bluett MK, et al. **South Med J** 1986 Jun; 79(6):712–6

End colostomy and Brooke's ileostomy constructed by surgical stapler. Chung RS. **Surg Gynecol Obstet** 1986 Jan; 162(1):62–4

Iatrogenic perforation of the rectum is an avoidable complication of end to end anastomosis coloproctotomy. Gaulin PE. **Surg Gynecol Obstet** 1986 Mar;162(3):279

The use of the skin stapler for drape fixation during operations. Lafreniere R, et al. **Surg Gynecol Obstet** 1986 Jan;162(1):73–4

Recurrence and survival after anterior resection of the rectum using the end to end anastomotic stapler. Malmberg M, et al. **Surg Gynecol Obstet** 1986 Sep;163(3):231–4

Anatomic staple closure of midline incision of the upper part of the abdomen. Sapala JA, et al. **Surg Gynecol Obstet** 1986 Sep;163(3):282–4

Use of linear staplers to facilitate hernial repair. Vernick JJ. **Surg Gynecol Obstet** 1986 Jul;163(1):75

Esophagojejunostomy with the EEA stapler. Walther BS, et al. **Surgery** 1986 May;99(5):598–603

Oesophagogastrectomy using the end to end anastomotic stapler: results of the first 100 patients. Donnelly RJ, et al. **Thorax** 1985 Dec;40(12):958–9

[Improved technic of a stapling device and the prognosis of rectal carcinoma] Yu HT. **Chung Hua Chung Liu Tsa Chih** 1985 Nov;7(6):467–8 (Eng. Abstr.) (Chi)

[Operative treatment of low cancer of the rectum before and after introduction of autosuturing instruments] Alhede J. **Ugeskr Laeger** 1985 Sep 16;147(38):2965–8 (Eng. Abstr.) (Dan)

[Past, present and future of mechanical sutures in digestive system surgery (editorial)] Detry R. **Acta Chir Belg** 1985 Jul–Aug;85(4):LXXV–LXVIII (Fre)

[Epiphyseal stapling in the treatment of leg length inequality] Watillon M, et al. **Acta Orthop Belg** 1986 Mar–Apr; 52(2):209–16 (Eng. Abstr.) (Fre)

[Stapling using Blount's technic in idiopathic frontal deviations of the lower limbs in children] Dutoit M. **Chir Pediatr** 1986;27(2):103–7 (Eng. Abstr.) (Fre)

[Very late dehiscence of a mechanical colorectal anastomosis. Report of a case and review of the literature. Experimental approach to the late complications of circular stapling] Malvy P, et al. **Chirurgie** 1985;111(8):650–8 (Eng. Abstr.) (Fre)

[Esophageal exclusion by stapling (letter)] Barth X, et al. **Presse Med** 1985 Dec 28;14(46):2350 (Fre)

[Esophageal exclusion by stapling (letter)] Bugnon PY, et al. **Presse Med** 1985 Oct 26;14(36):1884 (Fre)

[Segmental exclusions by stapling of the digestive system (letter)] Stoppa R, et al. **Presse Med** 1986 May 24; 15(21):980–1 (Fre)

[Mechanical compression anastomosis (AKA–2) of the colon and rectum. Results of a prospective clinical study] Eigler FW, et al. **Chirurg** 1986 Apr;57(4):230–5 (Eng. Abstr.) (Ger)

[Pouch and Roux–Y reconstruction following gastrectomy. A time–saving stomach replacement technic with the systematic use of staplers] Thiede A, et al. **Chirurg** 1985 Sep;56(9):599–604 (Ger)

[Errors and dangers in intestinal sutures and anastomoses using stapler suture instruments (EEA, TA55, TA90, GIA)] Gögler E. **Langenbecks Arch Chir** 1985;366:467–75 (Eng. Abstr.) (Ger)

[Roux–Y reconstruction following distal stomach resection using only staplers] Thiede A, et al. **Langenbecks Arch Chir** 1986;367(2):119–27 (Eng. Abstr.) (Ger)

[Colon–rectal anastomosis with mechanical sutures (personal experience in 96 cases)] Roncoroni L, et al. **Acta Biomed Ateneo Parmense** 1985;56(6):251–6 (Eng. Abstr.) (Ita)

[A clinical study of risk factors associated with direct interruption surgery of esophageal varices. A comparative study between transthoracoabdominal esophageal transection with hand suture and transabdominal esophageal transection with the EEA stapler] Shimizu T. **Nippon Geka Hokan** 1986 Jan 1;55(1):46–57 (Eng. Abstr.) (Jpn)

[Automatic suture stapling in abdominal hysterectomy] Bendvold E, et al. **Tidsskr Nor Laegeforen** 1986 Jan 30; 106(3):199 (Eng. Abstr.) (Nor)

[Automatic suture stapling in low rectal anastomosis. EEA and TA–55] Dahl OE, et al. **Tidsskr Nor Laegeforen** 1986 Jan 30;106(3):197–9 (Eng. Abstr.) (Nor)

[Staple suture of the trachea using instruments with needle–like matrices] Petrova NP, et al. **Khirurgiia (Mosk)** 1986 Jan;(1):99–101 (Rus)

[Formation of compression anastomoses of the large intestine] Knysh VI, et al. **Sov Med** 1985;(10):89–91 (Rus)

[Mechanical circumferential anastomoses of the gastrointestinal tract] Jablonický S, et al. **Rozhl Chir** 1985 Oct;64(10):672–8 (Eng. Abstr.) (Slo)

ADVERSE EFFECTS

Recurrent carcinoma after low anterior resection of the rectum using the EEA staple gun. Bisgaard C, et al. **Acta Chir Scand** 1986 Feb;152:157–60

The arcuate skin staple: its influence on pain of staple penetration and removal. Silloway KA, et al. **Am J Surg** 1985 Nov;150(5):612–4

A comparison of stapled and handsewn anastomoses in patients undergoing resection for Dukes' B and C colorectal cancer. An analysis of disease–free survival and survival from the NSABP prospective clinical trials. Wolmark N, et al. **Dis Colon Rectum** 1986 May; 29(5):344–50

Failure of staple closure and large bowel anastomotic leakage. Waxman BP, et al. **Med J Aust** 1986 Jan 20;144(2):89–91

Role of automatic staplers in the aetiology of bronchopleural fistula [letter] Hennig WS. **Thorax** 1985 Nov;40(11):879

Ileal conduit calculi from stapler anastomosis: a long–term complication? Brenner M, et al. **Urology** 1985 Dec; 26(6):537–40

[Morphological, morphometric and stereological aspects of Blount's unilateral stapling of the growth plate in animal experiments] Karbowski A, et al. **Z Orthop** 1985 May–Jun; 123(3):403–8 (Eng. Abstr.) (Ger)

SURGICAL WOUND DEHISCENCE

Late leak from stapled anastomosis presenting as remote abscess. Kirby RM, et al. **Br J Surg** 1986 May;73(5):366

COMPLICATIONS

[Surgery of incisional hernia and its prognosis—statistical analysis in 657 patients] Toyoshima H. **Nippon Geka Gakkai Zasshi** 1986 Jul;87(7):789–96 (Eng. Abstr.) (Jpn)

[Peritonitis after planned abdominal operations] Belov IN, et al. **Vestn Khir** 1985 Nov;135(11):52–5 (Eng. Abstr.) (Rus)

[Open treatment of postoperative peritonitis] Bytka PF, et al. **Vestn Khir** 1986 Apr;136(4):38–42 (Eng. Abstr.) (Rus)

ETIOLOGY

Late wound dehiscence after penetrating keratoplasty in association with digital massage. Mac Rae SM, et al. **Am J Ophthalmol** 1986 Sep 15;102(3):391–2

Leaks and obstruction after gastric resection. Ahmad W, et al. **Am J Surg** 1986 Sep;152(3):301–7

Failure of staple closure and large bowel anastomotic leakage. Waxman BP, et al. **Med J Aust** 1986 Jan 20;144(2):89–91

[Very late dehiscence of a mechanical colorectal anastomosis. Report of a case and review of the literature. Experimental approach to the late complications of circular stapling] Malvy P, et al. **Chirurgie** 1985;111(8):650–8 (Eng. Abstr.) (Fre)

[Factors of success of a colorectal anastomosis. Findings on 100 uncomplicated consecutive cases] Guajana G, et al. **Minerva Chir** 1985 Nov 30;40(22):1519–28 (Eng. Abstr.) (Ita)

[Anastomosis dehiscence in surgery of the colon] Scevola G, et al. **Minerva Chir** 1986 Jan 31;41(1–2):99–106 (Eng. Abstr.) (Ita)

[Pathogenesis and prevention of suture failure of the duodenal stump following gastric resection] Vitebskil IaD, et al. **Khirurgiia (Mosk)** 1985 Oct;(10):22–5 (Eng. Abstr.) (Rus)

PATHOLOGY

[Histological and histochemical changes occurring in the use of a helium–neon laser in complicated wounds] Burgidzhieva T, et al. **Akush Ginekol (Sofiia)** 1985; 24(6):69–75 (Eng. Abstr.) (Bul)

PREVENTION & CONTROL

Cortisone, vitamin A, and wound healing: the importance of measuring wound surface area. Smith KP, et al. **J Surg Res** 1986 Feb;40(2):120–5

Anatomic staple closure of midline incision of the upper part of the abdomen. Sapala JA, et al. **Surg Gynecol Obstet** 1986 Sep;163(3):282–4

A new technique for temporary transparietocecal ileal diversion in the prevention of anastomotic leakage in colonic operations. Yaglie S. **Surg Gynecol Obstet** 1986 Apr;162(4):381–2

Neutropenia prevents decrease in strength of rat intestinal anastomosis: partial effect of oxygen free radical scavengers and allopurinol. Högström H, et al. **Surgery** 1986 Jun; 99(6):716–20

Effects of intraluminal infusion of short–chain fatty acids on the healing of colonic anastomosis in the rat. Rolandelli

RH, et al. **Surgery** 1986 Aug;100(2):198–204

[The focus on protective colostomy] Franchini A, et al. **Minerva Chir** 1986 Mar 31;41(5–6):459–62 **(Ita)**

[Wound rupture. An overview] Salvesen S. **Tidsskr Nor Laegeforen** 1985 Nov 20;105(32):2292–6 (Eng. Abstr.) **(Nor)**

[Prevention of incompetence of sutures of the duodenal stump] Mamedov KB, et al. **Khirurgiia (Mosk)** 1986 Mar; (3):95–7 **(Rus)**

[Prevention of postoperative eventration] Telkov NA, et al. **Vestn Khir** 1985 Nov;135(11):46–9 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

The prediction of incisional hernias by radio-opaque markers. Playforth MJ, et al. **Ann R Coll Surg Engl** 1986 Mar; 68(2):82–4

[Detection of insufficiencies of enteroenteral anastomoses following gastrectomies by studies with water soluble contrast media—time and study quality] Oestmann J, et al. **Rontgenblatter** 1985 Nov;38(11):356–8 (Eng. Abstr.) **(Ger)**

RADIOTHERAPY

[1st-time use in Bulgaria of a helium–neon laser in obstetrical and gynecological practice] Burgudzhieva T, et al. **Akush Ginekol (Sofiia)** 1985;24(5):44–50 (Eng. Abstr.) **(Bul)**

SURGERY

Sternal dehiscence: pericostal guy wires equals sternal stability. Sommerhaug RG, et al. **Ann Thorac Surg** 1986 Jul;42(1):107–8

Early repair of an external sphincter ani muscle and rectal mucosal dehiscence. Hauth JC, et al. **Obstet Gynecol** 1986 Jun;67(6):806–9

Surgical management of traumatic incision dehiscence following penetrating keratoplasty. Boutros G, et al. **Ophthalmic Surg** 1985 Oct;16(10):643–4

Treatment of total sternal necrosis using the latissimus dorsi muscle flap. Tizian C, et al. **Plast Reconstr Surg** 1985 Nov; 76(5):703–7

[Laser therapy of complicated wounds following obstetrical and gynecologic operations] Burgudzhieva T, et al. **Akush Ginekol (Sofiia)** 1985;24(6):60–9 (Eng. Abstr.) **(Bul)**

[Use of amposen mesh in the surgical treatment of postoperative defects and hernias of the anterior abdominal wall] Ianchev D, et al. **Khirurgiia (Sofiia)** 1986;39(1):29–32 (Eng. Abstr.) **(Bul)**

[Laparotomy wound rupture—comments on therapeutic tactics] Stockarová D, et al. **Rozhl Chir** 1986 Mar; 65(3):173–7 (Eng. Abstr.) **(Cze)**

[Management of wound ruptures] Ermisch J. **Zentralbl Chir** 1986;111(6):363–5 **(Ger)**

[A new technic in repairing sternal dehiscence following open-heart surgery] Suzuki S, et al. **Kyobu Geka** 1985 Nov; 38(11):880–3 (Eng. Abstr.) **(Jpn)**

THERAPY

Treatment of esophageal anastomotic leakages after cancer resection. The role of total parenteral nutrition. Riboli EB, et al. **JPEN J Parenter Enteral Nutr** 1986 Jan–Feb; 10(1):82–5

[Open wound treatment in diffuse fibrinous-purulent peritonitis] Tempel G, et al. **Leber Magen Darm** 1985 Sep; 15(5):211–6 (Eng. Abstr.) **(Ger)**

[Anastomotic dehiscence and conservative therapy. Technical note] Galli F, et al. **Minerva Dietol Gastroenterol** 1986 Jan–Mar;32(1):23–5 (Eng. Abstr.) **(Ita)**

SURGICAL WOUND INFECTION

Infection after retinal detachment surgery. Hadden OB. **Aust N Z J Ophthalmol** 1986 Feb;14(1):69–73

Postoperative cutaneous wound infections. Adinolfi MF, et al. **Clin Dermatol** 1984 Jul–Sep;2(3):86–91

Protective barrier effect of the posterior lens capsule in exogenous bacterial endophthalmitis: a case report [letter] Gross KA, et al. **J Cataract Refract Surg** 1986 Jul; 12(4):413–4

Autologous intestinal smooth muscle for bypass grafting in cases of infected alloplastic implants. Broll R, et al. **J Mal Vasc** 1986;11(1):60–2

Clostridial myonecrosis arising from an episiotomy. Soper DE. **Obstet Gynecol** 1986 Sep;68(3 Suppl):26S–28S

Infection after augmentation mammaplasty [letter] Colon GA. **Plast Reconstr Surg** 1986 Sep;78(3):424–5

Prosthetic graft infections: a review of 720 arterial prosthetic reconstructions. Jensen LJ, et al. **Thorac Cardiovasc Surg** 1985 Dec;33(6):389–91

BLOOD

The effect of isovolaemic haemodilution on infection-related serum protein levels. Lackner FX, et al. **Eur J Anaesthesiol** 1985 Dec;2(4):407–17

Serial determinations of platelets, leucocytes and coagulation parameters in surgical septicemia. Smith-Erichsen N. **Scand J Clin Lab Invest [Suppl]** 1985;178:7–14

[Effect of postoperative human albumin therapy on serum protein fraction of septic and aseptic patients] Grundmann R, et al. **Infusionsther Klin Ernahr** 1985 Oct;12(5):246–50 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Anaerobic mediastinitis complicating median sternotomy. Smith PS, et al. **Am J Med Sci** 1985 Sep;290(3):111–3

Thigh abscess. An uncommon presentation of intraabdominal sepsis. Rotstein OD, et al. **Am J Surg** 1986 Mar;151(3):414–8

Infection in patients with rheumatoid arthritis with special reference to rheumatoid surgery. von Essen R, et al. **Ann Chir Gynaecol [Suppl]** 1985;198:110–6 (91 ref.)

Severe jaundice as presenting symptom of generalized peritonitis following cesarean section. Adler M, et al. **Clin Exp Obstet Gynecol** 1985;12(3–4):53–4

[Penetration of a pacemaker into the jejunum following conservative treatment of a pocket infection] Zimmermann G, et al. **Zentralbl Chir** 1985;110(18):1156–7 **(Ger)**

[A large aneurysm of the previously ligated patent ductus arteriosus] Kidani M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Jun;33(6):938–41 (Eng. Abstr.) **(Jpn)**

[Treatment of eventration with peritonitis and suppuration of the surgical wound] Shoshas II. **Khirurgiia (Mosk)** 1986 Apr;(4):51–4 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Sources of Staphylococcus epidermidis at the inguinal incision during peripheral revascularization. Bunt TJ. **Am Surg** 1986 Sep;52(9):472–3

Pseudomonas cepacia endophthalmitis. Del Piero E, et al. **Ann Ophthalmol** 1985 Dec;17(12):753–6

Sepsis score and complement factor B for monitoring severely septic surgical patients and for predicting their survival. Dionigi R, et al. **Eur Surg Res** 1985;17(5):269–80

Identification and management of the patient at high risk for wound infection. Becker GD. **Head Neck Surg** 1986 Jan–Feb;8(3):205–10 (26 ref.)

Infected suture granuloma simulating mass of urachal origin: case report. Katz PG, et al. **J Urol** 1986 Apr;135(4):782–3

Echogenic wound abscess mimicking hepatic mass on ultrasonography. Yiengpruksawan A, et al. **JCU** 1986 Jun; 14(5):376–9

Repeatability of asepsis wound scoring method [letter] Wilson AP, et al. **Lancet** 1986 May 24;1(8491):1208–9

Miliary tuberculosis masquerading as late infection in total hip replacement. Levin ML. **Md Med J** 1985 Feb; 34(2):153–5

Staphylococcus epidermidis and infection following augmentation mammaplasty [letter] Blue AI. **Plast Reconstr Surg** 1985 Dec;76(6):969

Special problems in the diagnosis and treatment of surgical sepsis. Wilson RF. **Surg Clin North Am** 1985 Aug; 65(4):965–89 (58 ref.)

[Infections of total hip prostheses] Evrard J. **Rev Rhum Mal Osteoartic** 1986 Feb;53(2):109–12 (Eng. Abstr.) **(Fre)**

[Are C1q binding immune complexes appropriate as markers for infected ventriculo-atrial shunts?] Samtleben W, et al. **Immun Infekt** 1986 Jul;14(4):148–51 (Eng. Abstr.) **(Ger)**

[C-reactive protein and blood picture parameters in the early diagnosis of infection in children with surgical diseases] Steinbrugger B, et al. **Padiatr Padol** 1986;21(2):163–70 (Eng. Abstr.) **(Ger)**

[Clostridium perfringens and gas gangrene] Lindsay D. **Zentralbl Chir** 1986;111(6):314–23 **(Ger)**

[Culture from peritoneal drainage as an indicator of active infection] Comelli E, et al. **Minerva Med** 1986 Apr 14; 77(16):603–6 (Eng. Abstr.) **(Ita)**

[Nonspecific postoperative discitis] Meo A, et al. **Riv Neurobiol** 1984 Apr–Sep;30(2–3):502–14 (Eng. Abstr.) **(Ita)**

[Ultrasonic diagnosis of abdominal wall abscesses] Golebiewski J, et al. **Pol Przegl Radiol (Warszawa)** 1985 Jan–Feb;49(1):34–7 (Eng. Abstr.) **(Pol)**

[Theoretical basis of algorithmic management in the early period of surgical infection] Stolbovoi AV. **Vestn Khir** 1985 Aug;135(8):60–5 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Cost-effective aminoglycoside therapy in surgical patients. Gladen HE. **Am J Med** 1986 Jun 30;80(6B):228–33

Comparative study of ticarcillin plus clavulanate potassium and moxalactam in the treatment of surgical infections of the soft tissue. Timmes JJ. **Am J Med** 1985 Nov 29; 79(5B):134–5

Randomized prospective study comparing moxalactam and cefoxitin with or without tobramycin for the treatment of serious surgical infections. Tally FP, et al. **Antimicrob Agents Chemother** 1986 Feb;29(2):244–9

Wound infection in elective biliary surgery: controlled trial using one dose cephamandole. Kune GA, et al. **Aust NZ J Surg** 1985 Feb;55(1):19–22

Efficacy of topical mupirocin against an experimental Staphylococcus aureus surgical wound infection. Boon RJ, et al. **J Antimicrob Chemother** 1985 Oct;16(4):519–26

Cefotetan compared with gentamicin and tinidazole in acute abdominal surgery. Tanner AG, et al. **J Hosp Infect** 1986 Jan;7(1):49–59

Bacterial infections of the central nervous system in neurosurgery. Tenney JH. **Neurol Clin** 1986 Feb; 4(1):91–114 (147 ref.)

Imipenem/cilastatin in the treatment of intraabdominal infections: a review of worldwide experience. Kager L, et al. **Rev Infect Dis** 1985 Jul–Aug;7 Suppl 3:S518–21

Efficacy of silver sulfadiazine in the treatment of prosthetic arterial bypass graft infection. McDaniel MD, et al. **Surg Gynecol Obstet** 1986 Feb;162(2):169–73

[Minibeads of acrylic cement with gentamicin. A new form of local antibiotic therapy in septic bone surgery] Jenny JY, et al. **Acta Orthop Belg** 1986 Mar-Apr;52(2):113–23 (Eng. Abstr.) **(Fre)**

[Increased toxic mercury concentrations following postoperative wound treatment with merbromine] Klöppel A, et al. **Beitr Gerichtl Med** 1985;43:169–71 (Eng. Abstr.) **(Ger)**

[Hospital infections and problems of resistance today] Encke A, et al. **Chirurg** 1985 Sep;56(9):553–7 **(Ger)**

[Criteria for therapeutic and preventive use of antibiotics in accident surgery] Gay B. **Chirurg** 1985 Sep;56(9):568–72 **(Ger)**

[Postoperative antibiotic therapy] Inthorn D, et al. **Chirurg** 1985 Sep;56(9):558–63 **(Ger)**

[Local antibiotic therapy of bone, joint and soft tissue infections] Lob G. **Chirurg** 1985 Sep;56(9):564–7 **(Ger)**

[Effectiveness of tetrachlorodecaoxide (TCDO) in the treatment of complicated disorders of wound healing. A controlled study: TCDO versus PVP-iodine complex] Zenker W, et al. **Chirurg** 1986 May;57(5):334–9 (Eng. Abstr.) **(Ger)**

[Antibiotic treatment of perforated appendicitis in childhood—a prospective study] Höllwarth M, et al. **Z Kinderchir** 1986 Feb;41(1):14–8 (Eng. Abstr.) **(Ger)**

[Current resistance in surgical infections and its development since 1970] Kunze M, et al. **Zentralbl Chir** 1986; 111(12):735–8 (Eng. Abstr.) **(Ger)**

[Metronidazole (Klion) in the prevention and therapy of septic complications of appendectomy] Clemens M, et al. **Orv Hetil** 1985 Dec 29;126(52):3203–6 (Eng. Abstr.) **(Hun)**

[Preoperative chemoprevention in surgery] Puleo S, et al. **G Ital Chemioter** 1985 May–Aug;32(2):379–81 (Eng. Abstr.) **(Ita)**

[Clinical evaluation of cefminox in surgery] Iwanaga T, et al. **Jpn J Antibiot** 1985 May;38(5):1195–7 (Eng. Abstr.) **(Jpn)**

[Comparative clinical study of aspoxicillin and sulbenicillin in postoperative wound infections] Yura J, et al. **Jpn J Antibiot** 1985 Sep;38(9):2417–43 (Eng. Abstr.) **(Jpn)**

[Use of amikacin in surgical wound infections] Orłowski T, et al. **Wiad Lek** 1985 Jun 15;38(12):835–8 (Eng. Abstr.) **(Pol)**

[Antibiotic therapy in cesarean section] Barros F de C, et al. **Rev Paul Med** 1985 Jul–Aug;103(4):195–8 (Eng. Abstr.) **(Por)**

[Antibacterial activity of a number of preparations and their combination with a proteolytic enzyme against the microflora of burn and surgical wounds] Murashko SN, et al. **Antibiot Med Biotekhnol** 1986 May;31(5):381–4 (Eng. Abstr.) **(Rus)**

[Tissue electrophoresis of antibiotics and lactic acid in treating suppurative wounds] Mazurik MF, et al. **Klin Khir** 1986;(1):45–7 (Eng. Abstr.) **(Rus)**

[Use of teonikol and trental in the combined treatment of patients with suppurative surgical infection and concomitant diabetes mellitus] Nuzov BG. **Klin Med (Mosk)** 1985 Dec;63(12):73–8 (Eng. Abstr.) **(Rus)**

[Ultrahigh doses of penicillin in suppurative-septic complications of vascular surgery] Lemenev VL, et al. **Sov Med** 1985;(12):93–5 **(Rus)**

[Clinico-microbiological parallels in the local treatment of Pseudomonas infection with a water-soluble dioxidine ointment] Tamm TI, et al. **Vestn Khir** 1985 Nov; 135(11):71–2 **(Rus)**

ECONOMICS

The economic implications of infection in cardiac surgery. Nelson RM, et al. **Ann Thorac Surg** 1986 Sep;42(3):240–6

The economy of perioperative infections in cardiac surgery [editorial] Robicsek F. **Ann Thorac Surg** 1986 Sep; 42(3):233–4

[Registration of surgical infections can save multimillions in health care] Kjellgren K, et al. **Lakartidningen** 1985 Dec 11;82(50):4428, 4430–1 **(Swe)**

ENZYMOLOGY

Increased hepatic microsomal adenosine triphosphatase activity secondary to intra-abdominal infection. Townsend MC, et al. **Curr Surg** 1985 Sep–Oct;42(5):392–4

ETIOLOGY

An analysis of cerebrospinal fluid shunt infections in adults. A clinical experience of twelve years. Spanu G, et al. **Acta Neurochir (Wien)** 1986;80(3–4):79–82

Risk factors for wound infections after genitourinary reconstructive surgery. McCray E, et al. **Am J Epidemiol** 1986 Jun;123(6):1026–32

Outbreak of bacterial endophthalmitis after cataract surgery and lens implantation: lack of direct evidence for exogenous contributing factors. Klimek JJ, et al.

Am J Infect Control 1986 Aug;14(4):184–7

Improperly sterilized fine–mesh gauze associated with donor site infections in skin–grafted burn patients. Kravitz M, et al. **Am J Infect Control** 1985 Aug;13(4):178–82

Effect of remote infections on clean wound infection rates. Valentine RJ, et al. **Am J Infect Control** 1986 Apr; 14(2):64–7

Increased risk of endometritis and wound infection after cesarean section in insulin–dependent diabetic women. Diamond MP, et al. **Am J Obstet Gynecol** 1986 Aug; 155(2):297–300

Infectivity of vascular sutures. Scher KS, et al. **Am Surg** 1985 Oct;51(10):577–9

Median sternotomy infection. Management and reconstruction. Voegele LD, et al. **Am Surg** 1985 Nov; 51(11):645–7

Clostridial myonecrosis of the chest wall complicating spontaneous esophageal rupture. LoCicero J 3d, et al. **Ann Thorac Surg** 1985 Oct;40(4):396–7

Infectious complications and cost–effectiveness of open resuscitation in the surgical intensive care unit after cardiac surgery. McKowen RL, et al. **Ann Thorac Surg** 1985 Oct; 40(4):388–92

Pasteurella infections of the head and neck. Cueva RA, et al. **Arch Otolaryngol Head Neck Surg** 1986 Feb; 112(2):207–9

Host–opportunist interactions in surgical infection. Pruitt BA Jr. **Arch Surg** 1986 Jan;121(1):13–22

Complications of non–absorbable ligatures in thyroid surgery. Hall CN, et al. **Br J Clin Pract** 1985 Aug;39(8):307–9

The association of impaired neutrophil chemotaxis with postoperative surgical sepsis. Duignan JP, et al. **Br J Surg** 1986 Mar;73(3):238–40

Study of cardiothoracic wound infection at St. Thomas' Hospital. Farrington M, et al. **Br J Surg** 1985 Sep; 72(9):759–62

An unusual complication of coronary bypass surgery. Lyons C, et al. **Clin Cardiol** 1986 May;9(5):215–6

Infection after cesarean section. Gibbs RS. **Clin Obstet Gynecol** 1985 Dec;28(4):697–710

Corynebacterium JK (Johnson–Kay strain) infection of a Küntscher–nailed tibial fracture. Claeys G, et al. **Clin Orthop** 1986 Jan;(202):227–9

Diphtheritic septicaemia and probable endocarditis: a case report and review of the literature. Sirinavin S, et al. **Eur J Pediatr** 1985 Nov;144(4):395–8

Infections in cerebrospinal fluid shunts. Upadhyaya P. **Indian J Pediatr** 1985 Jul–Aug;52(417):379–83

Shunt related infections in hydrocephalic children. Bhatnagar V, et al. **Indian Pediatr** 1986 Apr;23(4):255–7

Stomal sepsis and fatal haemorrhage following tracheostomy. Moar JJ, et al. **Int J Oral Maxillofac Surg** 1986 Jun; 15(3):339–41

Extended follow–up of patients suspected of having joint sepsis after total joint replacement. Lidwell OM, et al. **J Hyg (Lond)** 1985 Dec;95(3):655–64

Infections after craniotomy: a retrospective study. van Ek B, et al. **J Infect** 1986 Mar;12(2):105–9

Post–craniotomy wound infection caused by Pseudallescheria boydii. Case report. Lazarus HS, et al. **J Neurosurg** 1986 Jan;64(1):153–4

Risk factors for postoperative neurosurgical wound infection. A case–control study. Mollman HD, et al. **J Neurosurg** 1986 Jun;64(6):902–6

Comparison between antibiotic irrigation and mobilization of pectoral muscle flaps in treatment of deep sternal infections. Scully HE, et al. **J Thorac Cardiovasc Surg** 1985 Oct;90(4):523–31

Urinary tract infection in percutaneous surgery for renal calculi. Charton M, et al. **J Urol** 1986 Jan;135(1):15–7

Fungal infection associated with artificial urethral sphincters in children. Walterspiel JN, et al. **J Urol** 1986 Jun; 135(6):1245–6

Experimental studies with absorbable and nonabsorbable sutures in infected canine arterial anastomoses. Torsello GB, et al. **J Vasc Surg** 1986 Jan;3(1):135–9

Group B streptococcal necrotizing fasciitis arising from an episiotomy. Sutton GP, et al. **Obstet Gynecol** 1985 Nov; 66(5):733–6

Life–threatening clavicular osteomyelitis in two debilitated patients. Baratz M, et al. **Orthopedics** 1985 Dec; 8(12):1492–4

Plaster–associated Bacillus cereus wound infection. A case report. Rutala WA, et al. **Orthopedics** 1986 Apr;9(4):575–7

Late purulent pacemaker pocket infection caused by staphylococcus epidermidis: serious complications of in situ management. Ruiter JH, et al. **PACE** 1985 Nov;8(6):903–7

Post graft nephrectomy sepsis: results of a trial study. Gosling DC, et al. **Scand J Urol Nephrol [Suppl]** 1985;92:53–5

Does thromboprophylaxis increase the risk for infectious complications after total hip replacement? Bergqvist D, et al. **Vasa** 1985;14(3):269–71

[Postsplenectomy infection] Dürig M, et al. **Aktuel Probl Chir Orthop** 1985;30:43–5 (Ger)

[Wound healing disorder in surgery of colorectal cancer—a multifactorial computer analysis] Fass J. **Langenbecks Arch Chir** 1985;367(1):63–73 (Eng. Abstr.) (Ger)

[Osteomyelitis following surgical treatment of femoral shaft fractures. Results of a community study] Senst W, et al. **Zentralbl Chir** 1986;111(3):127–33 (Eng. Abstr.) (Ger)

[Bacterial contamination of colonic sutures. Experimental study in the rabbit] Cappelletti M, et al. **Ann Ital Chir** 1985; 57(4):349–57 (Ita)

[Significance of intraoperative risk factors in the process of wound healing in surgery of the locomotor system] Wasilewski A, et al. **Chir Narzadow Ruchu Ortop Pol** 1985; 50(5):385–9 (Eng. Abstr.) (Pol)

[Infections after operations for retinal detachment] Plucińska H, et al. **Klin Oczna** 1985 Sep;87(9):373–5 (Eng. Abstr.) (Pol)

[Surgical wound infection] Dutkiewicz A. **Wiad Lek** 1986 Jan 15;39(2):80–5 (Eng. Abstr.) (Pol)

[Causes of postoperative complications and their prevention in the treatment of varicose veins with trophic disorders of the soft tissues] Khokhlov AM, et al. **Khirurgiia (Mosk)** 1985 Jun;(6):102–7 (Rus)

[Infection of the abdominal cavity after radical operations in diffuse polyposis of the large intestine] Nikitin AM, et al. **Khirurgiia (Mosk)** 1986 Mar;(3):55–8 (Eng. Abstr.) (Rus)

[Pleural empyema from the standpoint of hospital and surgical infection] Sitko LA. **Khirurgiia (Mosk)** 1985 Jun; (6):89–93 (Eng. Abstr.) (Rus)

[Putrescent and septic wound complications after appendectomy] Mitiuk II, et al. **Klin Khir** 1986;(4):43–5 (Eng. Abstr.) (Rus)

[Tissue traumatization and methods for its reduction during pin insertion] Khizhko II. **Ortop Travmatol Protez** 1986 Jan;(1):52–4 (Rus)

[Traumatic suppurative intervertebral osteochondritis] Demichev NP. **Vestn Khir** 1985 Oct;135(10):75–9 (Eng. Abstr.) (Rus)

[Problem of candidiasis in surgery] Khmel'nitskiĭ OK, et al. **Vestn Khir** 1985 Jun;134(6):64–8 (Eng. Abstr.) (Rus)

[Pathogenetic problems of the infectious complications of surgical wounds] Sidorin VS. **Vestn Khir** 1986 Feb; 136(2):64–6 (Rus)

[Mycobacterium fortuitum infection in a patient undergoing cardiac surgery] Juanmiquel Isern L, et al. **Rev Esp Cardiol** 1986 May–Jun;39(3):227–9 (Eng. Abstr.) (Spa)

[Postoperative infections are common in cesarean section after membrane rupture and onset of labor] Brihmer C, et al. **Lakartidningen** 1986 Apr 30;83(18):1675–7 (Swe)

HISTORY

Lord Lister—the great Victorian. Nanson EM. **Aust NZ J Surg** 1986 Jul;56(7):591–9

An observation of penicillin by a New York surgeon in 1885. Dumont AE. **Surg Gynecol Obstet** 1985 Oct;161(4):394–6

[On the centenary of the publication of Władysław Krajewski's article "Why are results in our surgical departments worse than those abroad?"] Noszczyk W. **Pol Tyg Lek** 1986 Feb 3;41(5):159–60 (Pol)

IMMUNOLOGY

Mobiluncus–specific antibodies in a postoperative infection [letter] Larsson PG, et al. **Am J Obstet Gynecol** 1986 May; 154(5):1167–8

Host–defence mechanisms in surgical patients: case report of reduced polymorphonuclear neutrophil and antibody functions associated with surgical sepsis. Nohr CW, et al. **Can J Surg** 1986 May;29(3):194–7

Immunologic mechanisms underlying sepsis in the critically ill surgical patient. Abraham E. **Surg Clin North Am** 1985 Aug;65(4):991–1003 (84 ref.)

[Effects of splenectomy] Dürig M, et al. **Chirurg** 1986 Apr; 57(4):189–93 (Ger)

[Evaluation of micro– and macrophage function in splenectomized patients—possible dermatologic consequences] Simon M Jr, et al. **Z Hautkr** 1986 May 15; 61(10):711–5 (Eng. Abstr.) (Ger)

[Effect of the species of the causative agent on immunologic reactions in patients with suppurative surgical infections] Gramenitskiĭ AB, et al. **Khirurgiia (Mosk)** 1986 Jun;(6):24–9 (Eng. Abstr.) (Rus)

[Clinical laboratory assessment of delayed type hypersensitivity reactions based on data of skin tests in patients with suppurative surgical infections] Minkina AE, et al. **Klin Med (Mosk)** 1985 May;63(5):79–82 (Eng. Abstr.) (Rus)

[Neutrophil damage by bacterial antigens in patients with purulent surgical infections] Minkina AE. **Lab Delo** 1985; (6):376–8 (Eng. Abstr.) (Rus)

METABOLISM

Maintenance of skeletal muscle intracellular glutamine during standard surgical trauma. Kapadia CR, et al. **JPEN J Parenter Enteral Nutr** 1985 Sep–Oct;9(5):583–9

[Determining fibronectin levels for the evaluation of the wound healing process] Kochnev OS, et al. **Khirurgiia (Mosk)** 1986 Jun;(6):13–7 (Eng. Abstr.) (Rus)

MICROBIOLOGY

Comparative in vitro activity of four beta–lactam antibiotics in surgical wound fluid against staphylococci. Sørensen TS. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Dec; 93(6):379–82

Wound infection after lower extremity amputation because of ischemia. Møller BN, et al. **Arch Orthop Trauma Surg** 1985;104(4):262–4

The infective dose of aerobic and anaerobic bacteria in postoperative wound sepsis. Raahave D, et al. **Arch Surg** 1986 Aug;121(8):924–9

Episiotomy wound infection due to Gardnerella vaginalis. Chowdhury MN, et al. **Eur J Clin Microbiol** 1986 Apr; 5(2):164–5

Intracorneal bacterial colonization in a crystalline pattern. Nanda M, et al. **Graefes Arch Clin Exp Ophthalmol** 1986; 224(3):251–5

Epidemiology of Klebsiella pneumoniae: post operative wound sepsis. Agarwal PK, et al. **Indian J Pathol Microbiol** 1985 Jul;28(3):251–61

Epidemiology of Pseudomonas aeruginosa: postoperative wound sepsis. Kumar AP, et al. **Indian J Pathol Microbiol** 1985 Apr;28(2):137–46

Bacteriological study of postoperative wound infections. Udgaonkar U, et al. **J Indian Med Assoc** 1985 Jul; 83(7):230–4

The effect of microbial contamination on musculocutaneous and random flaps. Murphy RC, et al. **J Surg Res** 1986 Jul; 41(1):75–80

Bacterial biofilm in persistent penile prosthesis–associated infection. Nickel JC, et al. **J Urol** 1986 Mar;135(3):586–8

Correlation between a positive gallbladder culture and subsequent wound infection after biliary surgery—a retrospective study of 840 patients. van Leeuwen PA, et al. **Neth J Surg** 1985 Dec;37(6):179–82

Ventriculoatrial shunt infection due to Cryptococcus neoformans: an ultrastructural and quantitative microbiological study. Walsh TJ, et al. **Neurosurgery** 1986 Mar;18(3):373–5

Ineffectiveness of closed suction drainage cultures in the prediction of bacteriologic findings in wound infections in patients undergoing contaminated head and neck cancer surgery. Becker GD. **Otolaryngol Head Neck Surg** 1985 Dec;93(6):743–7

[Bacteriological studies in the fight against postoperative infection] Avril JL. **Agressologie** 1985 Feb;26(2):151–2 (Eng. Abstr.) (Fre)

[Sporeless anaerobic bacteria in surgery] Görtz G, et al. **Z Arztl Fortbild (Jena)** 1986;80(8):333–8 (Ger)

[Postoperative infection of the abdominal wall caused by anaerobic bacteria] Angelescu N, et al. **Rev Chir [Chir]** 1986 Mar–Apr;35(2):101–6 (Eng. Abstr.) (Rum)

[Comparative analysis of the structure and antibiotic sensitivity of the gram–negative causative agents of suppurative–inflammatory diseases in the patients of a surgical and urological hospital] Bekbergenov BM, et al. **Antibiot Med Biotekhnol** 1986 Mar;31(3):220–4 (Rus)

[Purulent foci of microflora in patients with chronic suppurative lung diseases and cancer complicated by lung destruction] Bronskaia LK, et al. **Khirurgiia (Mosk)** 1986 May;(5):19–23 (Eng. Abstr.) (Rus)

[Bacteriological study of suppurative processes in patients after cardiosurgery] Iskhakova KhI, et al. **Khirurgiia (Mosk)** 1985 Jun;(6):109–12 (Rus)

NURSING

Sternal wound complications. Nursing care for coronary surgery patients. Marshall J, et al. **AORN J** 1985 Nov; 42(5):700–6

OCCURRENCE

Postoperative wound infection surveillance by use of bacterial contamination categories. Lennard ES, et al. **Am J Infect Control** 1985 Aug;13(4):147–53

Risk of wound infections in trauma patients. Weigelt JA. **Am J Surg** 1985 Dec;150(6):782–4

Postoperative wound infection with methicillin–resistant staphylococci in general surgical patients. Ross H. **Aust NZ J Surg** 1985 Feb;55(1):13–7

Non–menstrual toxic shock syndrome. A case report and a review of non–menstrual toxic shock syndrome in Western Europe. Vanderheyden JS, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Aug;22(4):243–8

Surveillance for postoperative infections in outpatient gynecologic surgery. Garvey JM, et al. **Infect Control** 1986 Feb;7(2):54–8

Wound infection rates in a community hospital. A second study. Buckley N, et al. **Ir J Med Sci** 1985 Sep;154(9):354–7

A mathematical model for assessing risk of postoperative wound infection. Bibby BA, et al. **J Hosp Infect** 1986 Jul; 8(1):31–8

The contaminated skin–knife—fact or fiction. Grabe N, et al. **J Hosp Infect** 1985 Sep;6(3):252–6

Surgery for the community in the community. Kowli SS, et al. **J Postgrad Med** 1985 Jan;31(1):16–9

[Epidemiological analysis of the morbidity from suppurative–septic infections in a trauma center and orthopedic hospital] Iafaev RKh, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Dec;(12):42–5 (Eng. Abstr.) (Rus)

PATHOLOGY

[Histological and histochemical changes occurring in the use of a helium–neon laser in complicated wounds] Burgidzhieva T, et al. **Akush Ginekol (Sofiia)** 1985; 24(6):69–75 (Eng. Abstr.) (Bul)

[Progressive necrotizing soft tissue infection after surgery] Stenehjem E, et al. **Tidsskr Nor Laegeforen** 1986 May 20; 106(13):1111–6 (Nor)

[Extensive anaerobic nonclostridial phlegmon as a rare complication following cholecystectomy] Priadkin VV, et al. **Khirurgiia (Mosk)** 1985 Aug;(8):125–6 **(Rus)**

PHYSIOPATHOLOGY

[Etiology and pathophysiology of post-traumatic bone infection] Hörster G. **Unfallchirurgie** 1986 Apr;12(2):93–7 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Antibiotics in acute abdominal surgery. A clinical trial comparing the combination of ampicillin, mecillinam and metronidazole with cefoxitin alone. Kasholm-Tengve B, et al. **Acta Chir Scand** 1986 Apr;152:267–72

Wound and graft infection. Clinical aspects and prophylaxis. Holm J. **Acta Chir Scand [Suppl]** 1985;529:87–9

Pacemaker infections. A clinical study with special reference to prophylactic use of some isoxazolyl penicillins. Bluhm G. **Acta Med Scand [Suppl]** 1985;699:1–62

Antibiotic prophylaxis in lower limb amputation. Møller BN, et al. **Acta Orthop Scand** 1985 Aug;56(4):327–9

CDC Guidelines for the Prevention and Control of Nosocomial Infections. Guidelines for prevention of surgical wound infections, 1985. **Am J Infect Control** 1986 Apr;14(2):71–82

Operating room surveillance: a new approach in reducing hip and knee prosthetic wound infections. Borst M, et al. **Am J Infect Control** 1986 Aug;14(4):161–6

Cost-effective application of the Centers for Disease Control Guideline for Prevention of Surgical Wound Infections. Terry BA. **Am J Infect Control** 1985 Oct;13(5):232–5

Selected overview of nongynecologic surgical intra-abdominal infections. Prophylaxis and therapy. Levin S, et al. **Am J Med** 1985 Nov 29;79(5B):146–56 (83 ref.)

Clostridium difficile-associated diarrhea follows perioperative prophylaxis with cefoxitin. Block BS, et al. **Am J Obstet Gynecol** 1985 Dec 15;153(8):835–8

Single-dose trimethoprim-sulfamethoxazole prophylaxis for cesarean section. Ganesh V, et al. **Am J Obstet Gynecol** 1986 May;154(5):1113–4

Are preoperative antibiotics helpful in abdominal hysterectomy? Senior CC, et al. **Am J Obstet Gynecol** 1986 May;154(5):1004–8

Third generation cephalosporin antibiotics in surgical practice. Fry DE. **Am J Surg** 1986 Feb;151(2):306–13 (68 ref.)

Anaerobic coverage for wound prophylaxis. Comparison of cefazolin and cefoxitin. Sarap MD, et al. **Am J Surg** 1986 Feb;151(2):213–5

Duration of antibiotic prophylaxis. An experimental study. Scher KS, et al. **Am J Surg** 1986 Feb;151(2):209–12

Is preoperative shaving really necessary? Hoe NY, et al. **Ann Acad Med Singapore** 1985 Oct;14(4):700–4

A vascular approach to the prevention of infection. Pearl RM, et al. **Ann Plast Surg** 1985 May;14(5):443–50

A prospective randomised controlled trial of mezlocillin versus netilmicin in biliary surgery. Gillen P, et al. **Ann R Coll Surg Engl** 1985 Nov;67(6):376–8

Randomized, prospective, and double-blind trial of new beta-lactams in the treatment of appendicitis. Lau WY, et al. **Antimicrob Agents Chemother** 1985 Nov;28(5):639–42

Infection control education. Identifying breaks in aseptic techniques. Fernsebner B. **AORN J** 1986 Apr;43(4):898–9

Infection control survey. Identifying compliance with guidelines. Fernsebner B. **AORN J** 1986 Apr;43(4):891–7

Cefazolin vs moxalactam? A double-blind randomized trial of cephalosporins in head and neck surgery. Johnson JT, et al. **Arch Otolaryngol Head Neck Surg** 1986 Feb;112(2):151–3

Development of a safe and effective one-minute preoperative skin preparation [letter] Alexander JW. **Arch Surg** 1986 May;121(5):615–6

Development of a safe and effective one-minute preoperative skin preparation. Alexander JW, et al. **Arch Surg** 1985 Dec;120(12):1357–61

Closure of abdominal incisions with subcutaneous catheters. A prospective randomized trial. Farnell MB, et al. **Arch Surg** 1986 Jun;121(6):641–8

Decreasing the incidence of surgical wound infections. Validation of a surveillance-notification program. Mead PB, et al. **Arch Surg** 1986 Apr;121(4):458–61

Clinical trial of prophylaxis of wound sepsis in elective colorectal surgery comparing ticarcillin with tinidazole. University of Melbourne Colorectal Group. **Aust NZ J Surg** 1986 Mar;56(3):209–13

A controlled clinical trial of prophylactic tinidazole for chemoprophylaxis in third molar surgery. Mitchell DA. **Br Dent J** 1986 Apr 19;160(8):284–6

Perineal and pelvic morbidity following perinuscular excision of the rectum for inflammatory bowel disease. Berry AR, et al. **Br J Surg** 1986 Aug;73(8):675–7

Prophylactic single-dose co-trimoxazole for prevention of urinary tract infection after abdominal hysterectomy. Jaffe R, et al. **Chemotherapy** 1985;31(6):476–9

Short-term preventive antibiotics. Heydemann JS, et al. **Clin Orthop** 1986 Apr;(205):184–7

Efficacy of a topical antibiotic irrigant in decreasing or eliminating bacterial contamination in surgical wounds [letter] Reed TG. **Clin Orthop** 1986 Jan;(202):309–11

Sulbactam/ampicillin compared with cefoxitin for chemoprophylaxis in elective colorectal surgery. de la Hunt MN, et al. **Dis Colon Rectum** 1986 Mar;29(3):157–9

Topical ampicillin in addition to a systemic antibiotic prophylaxis in elective colorectal surgery. A prospective randomized study. Juul P, et al. **Dis Colon Rectum** 1985 Nov;28(11):804–6

The effect of peritoneal lavage with tetracycline solution on postoperative infection. A prospective, randomized, clinical trial. Silverman SH, et al. **Dis Colon Rectum** 1986 Mar;29(3):165–9

A survey of prophylactic antibiotic use for total joint replacements in a community hospital. Armstrong EP, et al. **Drug Intell Clin Pharm** 1985 Oct;19(10):753–7

Extended half-life, second-generation cephalosporin in surgical prophylaxis [letter] Farchione LA. **Drug Intell Clin Pharm** 1985 Nov;19(11):842–3

Variation in prophylactic antibiotic use in pediatric orthopedic surgery. Nahata MC, et al. **Drug Intell Clin Pharm** 1985 Nov;19(11):834–6

Reducing prophylactic antibiotic costs in cardiovascular surgery: the role of the clinical pharmacist. Peterson CD, et al. **Drug Intell Clin Pharm** 1986 Feb;20(2):134–7

Single dose prophylaxis with metronidazole in infants during abdominal surgery: a pharmacokinetic study. Rubenson A, et al. **Eur J Clin Pharmacol** 1986;29(5):625–8

Prevention of postoperative infections in colon surgery. Sumiyama Y, et al. **Hawaii Med J** 1986 Mar;45(3):72–6

Control of infection—update 1984. **Helv Chir Acta** 1985 Jun;52(2):355–72

Medical and surgical use of prophylactic antibiotics. McCue JD. **Hosp Pract [Off]** 1986 Jul 15;21(7):167–70

Preparation of the skin for surgery [editorial] Craig CP. **Infect Control** 1986 May;7(5):257–8

The control of infection in general surgery: a four-year prospective study in Brazil. Ferraz EM, et al. **Infect Control** 1985 Sep;6(9):356–60

CDC guideline for prevention of surgical wound infections, 1985. Supersedes guideline for prevention of surgical wound infections published in 1982. (Originally published in November 1985). Revised. Garner JS. **Infect Control** 1986 Mar;7(3):193–200

Zero infection rate: an achievable irreducible minimum in clean surgery? Kaiser AB. **Infect Control** 1986 Feb;7(2 Suppl):107–9

Wound infection. Newsom W. **Infect Control** 1986 Feb;7(2 Suppl):109–10

Prevention of postoperative infection. Lowbury EJ. **Injury** 1985 Nov;16(9):583–4

Surgical scrub sponges as part of the traction apparatus: an alternative to pin site care to reduce pin track infections. Paley D, et al. **Injury** 1985 Nov;16(9):605–6

Synergism between gammaglobulin prophylaxis and penicillin treatment in experimental post-splenectomy sepsis in the rat. Offenbartl KS, et al. **Int Arch Allergy Appl Immunol** 1986;79(1):45–8

The clearance of gentamicin from antibiotic-loaded bone cement. Downes S, et al. **Int Orthop** 1985;9(3):205–7

Peri-incisional and preoperative administration of cefmetazole for the prophylaxis of wound infection after appendicectomy. Garcia Garcia J, et al. **Int Surg** 1986 Jan-Mar;71(1):14–7

A comparison of three different prophylactic parenteral antibiotic regimens in colorectal surgery: a prospective study. Lozano F, et al. **Int Surg** 1985 Jul-Sep;70(3):227–31

The place of antibiotics in the prevention of post-appendicectomy sepsis: a prospective study of 400 cases. el-Sefi TA, et al. **Int Surg** 1986 Jan-Mar;71(1):18–21

Prophylactic antibiotics in patients undergoing total vaginal or abdominal hysterectomy. Tchabo JG, et al. **Int Surg** 1985 Oct-Dec;70(4):349–52

Control of post-operative infection in orthopaedic surgery. Clinical and bacteriological findings in 2555 elective operations. Gallinaro M, et al. **Ital J Orthop Traumatol** 1985 Dec;11(4):455–65

Infection rates in clean surgical procedures: a comparison of ampicillin prophylaxis vs a placebo. Vasseur PB, et al. **J Am Vet Med Assoc** 1985 Oct 15;187(8):825–7

Flucloxacillin concentration in serum and wound exudate during open heart surgery. Farrington M, et al. **J Antimicrob Chemother** 1985 Aug;16(2):253–9

Prophylactic Timentin in patients undergoing thoracic or vascular surgery. Kitzis M, et al. **J Antimicrob Chemother** 1986 May;17 Suppl C:183–7

Antibiotic prophylaxis in vascular reconstructive surgery: a double-blind placebo-controlled study. Worning AM, et al. **J Antimicrob Chemother** 1986 Jan;17(1):105–13

Prophylactic cefamandole in orthopaedic surgery [letter] Miller WA. **J Bone Joint Surg [Am]** 1986 Feb;68(2):313

Cephalosporins for prophylaxis in operative repair of femoral fractures. Levels in serum, muscle, and hematoma [letter] Miller WA. **J Bone Joint Surg [Am]** 1986 Feb;68(2):313–4

The outcome of infected arthroplasty of the knee. Johnson DP, et al. **J Bone Joint Surg [Br]** 1986 Mar;68(2):289–91

Prophylactic antibiotics in cutaneous surgery. Sebben JE. **J Dermatol Surg Oncol** 1985 Sep;11(9):901–6

A comparison of cefotetan and cephazolin for prophylaxis against wound infection after elective cholecystectomy. Drumm J, et al. **J Hosp Infect** 1985 Sep;6(3):277–80

Are povidone-iodine compresses helpful in skin preparation for hip replacement surgery? Haynes J, et al. **J Hosp Infect** 1986 Jan;7(1):96–8

Peri-incisional mezlocillin versus rectal-metronidazole for wound infection prophylaxis. Porteous C, et al. **J Hosp Infect** 1985 Dec;6(4):413–8

Piperacillin in colorectal surgery [letter] Reynolds JR, et al. **J Hosp Infect** 1985 Dec;6(4):435–6

A clinical trial of teicoplanin compared with a combination of flucloxacillin and tobramycin as antibiotic prophylaxis for cardiac surgery: the use of a scoring method to assess the incidence of wound infection. Wilson AP, et al. **J Hosp Infect** 1986 Mar;7 Suppl A:105–12

The prevention of wound contamination by skin organisms by the pre-operative application of an iodophor impregnated plastic adhesive drape. Fairclough JA, et al. **J Int Med Res** 1986;14(2):105–9

Antibiotic lavage in emergency surgery for peritoneal sepsis. Krukowski ZH, et al. **J R Coll Surg Edinb** 1986 Feb;31(1):1–6

Improved prevention of abdominal wound sepsis by parenteral and topical antibiotics. Svensson LG, et al. **J R Coll Surg Edinb** 1986 Feb;31(1):7–12

Single-dose antibiotic prophylaxis of abdominal surgical wound infection: a trial of preoperative latamoxef against peroperative tetracycline lavage. Sauven P, et al. **J R Soc Med** 1986 Mar;79(3):137–41

Antibiotic prophylaxis in cesarean section. Comparison of intrauterine lavage and intravenous administration. Donnenfeld AE, et al. **J Reprod Med** 1986 Jan;31(1):15–8

Ampicillin vs. ampicillin-gentamicin prophylaxis in high-risk primary cesarean section. O'Leary JA, et al. **J Reprod Med** 1986 Jan;31(1):27–30

Infectious morbidity in extremity fractures. Roth AI, et al. **J Trauma** 1986 Aug;26(8):757–61

Short-term prophylactic antibiotics in patients undergoing prostatectomy: report of a double-blind randomized trial with 2 intravenous doses of cefotaxime. Prokocimer P, et al. **J Urol** 1986 Jan;135(1):60–4

Rifampin protection against experimental graft sepsis. McDougal EG, et al. **J Vasc Surg** 1986 Jul;4(1):5–7

Antibiotic prophylaxis and sternal wounds [letter] Farrington M. **Lancet** 1985 Dec 7;2(8467):1306

Disinfection of the umbilicus for abdominal surgery. Sellers J, et al. **Lancet** 1971 Dec 11;2(7737):1276–8

A scoring method (ASEPSIS) for postoperative wound infections for use in clinical trials of antibiotic prophylaxis. Wilson AP, et al. **Lancet** 1986 Feb 8;(8476):311–3

Prevention of primary wound infection in neurosurgical patients: a 10-year study. Savitz MH, et al. **Neurosurgery** 1986 Jun;18(6):685–8

An evaluation of cefoxitin in the prevention of postoperative infections following orthopedic surgical procedures. Byrd HJ, et al. **Orthopedics** 1985 Jan;8(1):69–71

The use of gentamicin-PMMA chains in abdominal surgery: a pilot study of prophylaxis against wound infection. Aubrey DA, et al. **Pharmatherapeutica** 1986;4(8):536–40

Antimicrobial prophylaxis in surgery [letter] Wood L. **S Afr Med J** 1986 Jul 5;70(1):64–5

Patient draping and staff clothing in the operating theatre: a microbiological study. Bergman BR, et al. **Scand J Infect Dis** 1985;17(4):421–6

Infectious diseases under prophylactic ALG treatment and their prevention in a prospectively randomized trial. Grundmann R. **Scand J Urol Nephrol [Suppl]** 1985;92:33–5

A prospective double-blind comparison of piperacillin, cephalothin and cefoxitin in the prevention of postoperative infections in patients undergoing intra-abdominal operations. Baker RJ, et al. **Surg Gynecol Obstet** 1985 Nov;161(5):409–15

A prospective comparison of gentamicin and metronidazole and moxalactam in the prevention of septic complications associated with elective operations of the colon and rectum. McCulloch PG, et al. **Surg Gynecol Obstet** 1986 Jun;162(6):521–4

Preoperative hair removal with clippers does not increase infection rate in clean surgical wounds. Olson MM, et al. **Surg Gynecol Obstet** 1986 Feb;162(2):181–2

The predictive role of delayed cutaneous hypersensitivity testing in postoperative complications. Schackert HK, et al. **Surg Gynecol Obstet** 1986 Jun;162(6):563–8

Prophylactic vancomycin versus placebo in arterial prosthetic reconstructions. Jensen LJ, et al. **Thorac Cardiovasc Surg** 1985 Oct;33(5):300–3

A comparison of the prophylactic value of cefotetan and metronidazole appendectomy. Buckels JA, et al. **World J Surg** 1985 Oct;9(5):814–8

[Noxyflex S in the prevention and therapy of intra-abdominal inflammatory complications] Vyhnánek F, et al. **Rozhl Chir** 1986 May;65(5):357–63 (Eng. Abstr.) **(Cze)**

[Prevention of infection after hip surgery with antibiotics] Sørensen TS, et al. **Ugeskr Laeger** 1986 Mar 24;148(13):755–7 (Eng. Abstr.) **(Dan)**

[Metronidazole prophylaxis in appendectomy] Go PM, et al. **Ned Tijdschr Geneeskd** 1986 Apr 26;130(17):775–8 (Eng. Abstr.) **(Dut)**

[Costs and effectiveness of prophylactic antibiotic therapy in surgery] Carlet J. **Agressologie** 1985 Feb;26(2):185–6 (Eng. Abstr.) **(Fre)**

[Comparison of 2 preventive antibiotic treatments in total hip arthroplasty] Evrard J, et al. **Rev Chir Orthop** 1985;71 Suppl 2:37 **(Fre)**

[New references for the prevention of pneumococcal infection by replantation of splenic tissue] Patel JM, et al. **Aktuel Probl Chir Orthop** 1985;30:82–9 **(Ger)**

[Systemic antibiotic prophylaxis with metronidazole in elective colonic and rectal surgery. Results of a clinical

controlled study and a critical literature review] Raetzel G, et al. **Arzneimittelforschung** 1986 Jun;36(6):976–80 (Eng. Abstr.) (Ger)

[Experiences with 2 years of quality control following general and vascular surgery in 3193 patients] Grundmann R, et al. **Chirurg** 1985 Sep;56(9):573–8 (Eng. Abstr.) (Ger)

[Antimicrobial chemoprevention in colorectal interventions: a single parenteral dose at the start of surgery is adequate] Hancke E, et al. **Chirurg** 1986 Jun;57(6):406–10 (Eng. Abstr.) (Ger)

[Effective intraocular cefmenoxime levels following subconjunctival injection: studies of the penetration of cefmenoxime into the aqueous humor of the human eye] Duncker G, et al. **Fortschr Ophthalmol** 1986;83(3):332–4 (Eng. Abstr.) (Ger)

[Local metronidazole and PVP-iodine prevention before abdominal and vaginal hysterectomy] Lellé RJ, et al. **Geburtshilfe Frauenheilkd** 1986 Feb;46(2):102–4 (Eng. Abstr.) (Ger)

[The reduction of postoperative morbidity in cesarean section by risk-adapted, perioperative, short-term antibiotic prevention with special reference to anaerobic bacteria] Köppel R, et al. **Gynakol Rundsch** 1986;26(1):1–11 (Eng. Abstr.) (Ger)

[Tissue concentration and effectiveness of ofloxacin in surgical patients] Düben W, et al. **Infection** 1986;14 Suppl 1:S70–2 (Eng. Abstr.) (Ger)

[Polyvinyl iodine in ophthalmic surgery] Auerbach B, et al. **Klin Monatsbl Augenheilkd** 1985 Nov;187(5):361–2 (Eng. Abstr.) (Ger)

[Antibiotic therapy in pediatric surgery] Gdanietz K, et al. **Padiatr Grenzgeb** 1986;25(2–3):267–73 (Eng. Abstr.) (Ger)

[Polyvinylpyrrolidone iodine in accident surgery] Hierholzer S, et al. **Unfallchirurgie** 1985 Dec;11(6):309–15 (Eng. Abstr.) (Ger)

[Prevention of postoperative infection in accident surgery] Kuner EH. **Unfallchirurgie** 1985 Aug;11(4):174–80 (Eng. Abstr.) (Ger)

[Can antibiotic prevention lessen the frequency of infections in reconstructive vascular surgery with alloplastic materials?] Frick S. **Vasa** 1985;14(4):360–4 (Eng. Abstr.) (Ger)

[Prevention and hygienic measures in Clostridium infections in surgery] Haase HH, et al. **Z Gesamte Hyg** 1985 Oct; 31(10):595–7 (Eng. Abstr.) (Ger)

[When in surgery of the locomotor system is preoperative shaving indicated?] Dietschi C, et al. **Z Orthop** 1985 Nov–Dec;123(6):895–6 (Eng. Abstr.) (Ger)

[Prevention in oromaxillofacial surgery] Neumann HJ, et al. **Zahn Mund Kieferheilkd** 1986;74(4):355–60 (Eng. Abstr.) (Ger)

[Effect of perioperative antibiotics on septic complications following emergency interventions on the small and large intestine] Hancke E, et al. **Zentralbl Chir** 1985; 110(15):925–31 (Eng. Abstr.) (Ger)

[Surgical treatment of Crohn disease and ulcerative colitis in standardized conditions] Pfeiffer M. **Zentralbl Chir** 1986; 111(6):324–32 (Eng. Abstr.) (Ger)

[Coating artificial surfaces with antibiotics] Straube E, et al. **Zentralbl Chir** 1986;111(5):276–80 (Ger)

[Prevention of infection with metronidazole in abortion induced by PGF2 alpha] Koinzer G, et al. **Zentralbl Gynakol** 1986;108(3):163–6 (Eng. Abstr.) (Ger)

[Initial results of perioperative antibiotic premedication with halospor and gentamycin in cesarean section] Löser B, et al. **Zentralbl Gynakol** 1986;108(7):435–9 (Eng. Abstr.) (Ger)

[Clinical value of ceftriaxone in the preoperative prevention of sepsis in orthopedic and traumatologic surgery] Gaetani G, et al. **Chir Ital** 1986 Apr;38(2):253–7 (Eng. Abstr.) (Ita)

[Short-term ceftazidime administration in surgical prophylaxis] Dell'Osso A, et al. **Minerva Chir** 1986 Jun 30;41(11–12):1067–72 (Eng. Abstr.) (Ita)

[Antibiotic therapy and complications of the wound in emergency appendectomy] Uccheddu A, et al. **Minerva Chir** 1985 Nov 15;40(21):1487–90 (Eng. Abstr.) (Ita)

[Focalization and development of the utilization of antibacterial drugs problem in obstetric-gynecologic surgery in the Department of Obstetrics and Gynecology of the Castellamonte Hospital] Malanetto C, et al. **Minerva Ginecol** 1985 Sep;37(9):525–39 (Eng. Abstr.) (Ita)

[Clinical study on the tissue distribution of cefmenoxime in the field of otolaryngology] Fujita K, et al. **Jpn J Antibiot** 1986 Mar;39(3):721–5 (Eng. Abstr.) (Jpn)

[Cefotiam concentration in exudate from suction drain of patients with breast cancer following intravenous administration] Hashimoto I, et al. **Jpn J Antibiot** 1986 Jan; 39(1):99–108 (Eng. Abstr.) (Jpn)

[Penetration of cefoperazone into the exudate of the retroperitoneal space after (semi-)radical hysterectomy] Nozawa S, et al. **Jpn J Antibiot** 1986 Mar;39(3):686–92 (Eng. Abstr.) (Jpn)

[A clinical study on the penetration of aspoxicillin into tissue and wound exudates in breast cancer] Tsuburaya H, et al. **Jpn J Antibiot** 1985 Jun;38(6):1509–15 (Eng. Abstr.) (Jpn)

[Experimental studies of vascular prostheses made of plastics with antibacterial properties] Sowiński A, et al. **Polim Med** 1985;15(3–4):99–108 (Eng. Abstr.) (Pol)

[Prevention of complications following cesarean section] Genyk IA, et al. **Akush Ginekol (Mosk)** 1986 Jan;(1):54–5 (Rus)

[Prevention and treatment of complications of acute appendicitis] Butsenko VN, et al. **Khirurgiia (Mosk)** 1985 Sep;(9):103–5 (Rus)

[Antibacterial therapy in surgery of the biliary tract (a review of the literature)] Ermolov AS, et al. **Khirurgiia (Mosk)** 1986 Feb;(2):137–42 (80 ref.) (Rus)

[Antibacterial suture and plastic surgery materials] Gostishchev VK, et al. **Khirurgiia (Mosk)** 1986 Jun; (6):36–40 (Eng. Abstr.) (Rus)

[Preventive use of antibiotics in planned abdominal surgery] Kuzin MI, et al. **Khirurgiia (Mosk)** 1986 Mar;(3):7–11 (Eng. Abstr.) (Rus)

[Use of a multi-component collagen preparation and low-frequency ultrasonics in gastrointestinal surgery] Petrov VI, et al. **Khirurgiia (Mosk)** 1986 Mar;(3):98–102 (Rus)

[Preventive drainage of postoperative wounds contaminated by bacteria] Maksimov IuM, et al. **Sov Med** 1985;(6):16–20 (Eng. Abstr.) (Rus)

[Short-term antibiotic prevention of inflammatory complications of transurethral operations] Ukhin AV. **Urol Nefrol (Mosk)** 1986 Mar–Apr;(2):21–3 (Eng. Abstr.) (Rus)

[Use of terrilytin combined with lysozyme in the treatment of postoperative wounds in patients with laryngeal cancer] Veremeenko KN, et al. **Vestn Otorinolaringol** 1985 Nov–Dec;(6):65–9 (Eng. Abstr.) (Rus)

[Elective colo-rectal surgery: reduction of surgical wound infection with prophylactic antibiotics] Seco JL, et al. **Rev Esp Enferm Apar Dig** 1985 Jul;68(1):51–8 (Eng. Abstr.) (Spa)

[Efficacy of a single intravenous dose of antimicrobials in prevention against post-appendectomy wound infection: a blind comparative study of metronidazole, clindamycin and a placebo] Herrera García A, et al. **Rev Gastroenterol Mex** 1985 Jan–Mar;50(1):41–5 (Eng. Abstr.) (Spa)

[Effect of povidone-iodine vs. iodine on the prevention of surgical wound infection] Silva JJ, et al. **Rev Med Chil** 1985 Feb;113(2):103–5 (Eng. Abstr.) (Spa)

RADIOGRAPHY

The role of computerized tomography in fever, septicemia and multiple system organ failure after laparotomy. Hoogewoud HM, et al. **Surg Gynecol Obstet** 1986 Jun; 162(6):539–43

[Roentgenological diagnosis of abdominal abscesses] Zakharova GN, et al. **Vestn Khir** 1985 Nov;135(11):124–8 (Eng. Abstr.) (Rus)

RADIONUCLIDE IMAGING

Nonvisualization of sterile surgical incisions with indium-111 labeled leukocytes. Abdel-Nabi H, et al. **Clin Nucl Med** 1985 Sep;10(9):618–21

Detection of postcardiotomy bacterial pericarditis with gallium-67 citrate. Zuckier LS, et al. **Clin Nucl Med** 1986 Apr;11(4):276–8

Value of indium-111-labeled leukocytes scintigraphy in patients after arterial reconstructive surgery. Noyez L, et al. **Int Angiol** 1986 Apr–Jun;5(2):79–82

The value of gallium-67 scintigraphy in localising infection following cardiac surgery. Bahar RH, et al. **Int J Cardiol** 1986 Apr;11(1):125–7

Prosthetic graft infection: limitations of indium white blood cell scanning. Brunner MC, et al. **J Vasc Surg** 1986 Jan; 3(1):42–8

99Tcm-MDP, 67Ga-citrate and 111In-leucocytes for detecting prosthetic hip infection. Mountford PJ, et al. **Nucl Med Commun** 1986 Feb;7(2):113–20

RADIOTHERAPY

[1st-time use in Bulgaria of a helium-neon laser in obstetrical and gynecological practice] Burgudzhieva T, et al. **Akush Ginekol (Sofiia)** 1985;24(5):44–50 (Eng. Abstr.) (Bul)

[Helium-neon lasers in the treatment of suppurative-inflammatory diseases in children] Mezentsev GD, et al. **Vestn Khir** 1985 Jul;135(7):85–7 (Eng. Abstr.) (Rus)

SURGERY

Non-directed relaparotomy for intra-abdominal sepsis. A futile procedure. Bunt TJ. **Am Surg** 1986 Jun;52(6):294–8

Empyema thoracis and infected pneumonectomy space: case for cyclical irrigation. Hakim M, et al. **Ann Thorac Surg** 1986 Jan;41(1):85–8

Reconstruction of the infected median sternotomy wound. Majure JA, et al. **Ann Thorac Surg** 1986 Jul;42(1):9–12

Management of infected median sternotomy wounds [editorial] Pairolero PC, et al. **Ann Thorac Surg** 1986 Jul; 42(1):1–2

Lower limb amputation of the donor site extremity after coronary artery bypass graft surgery. Lee KS, et al. **Arch Phys Med Rehabil** 1986 Aug;67(8):564–5

Omental transposition for closure of median sternotomy following severe mediastinal and vascular infection. Seguin JR, et al. **Chest** 1985 Nov;88(5):684–6

Femorofemoral bypass with an infrascrotal perineal approach for the patient with an infected groin wound [letter] **J Vasc Surg** 1986 Mar;3(3):555–6

Surgical management of the radiated chest wall. Arnold PG, et al. **Plast Reconstr Surg** 1986 Apr;77(4):605–12

Use of muscle flaps in the treatment of infected sternotomy. Pettersson G, et al. **Scand J Thorac Cardiovasc Surg** 1986; 20(1):1–4

Pacemaker infections--treatment with total or partial pacemaker system removal. Harjula A, et al. **Thorac Cardiovasc Surg** 1985 Aug;33(4):218–20

[Laser therapy of complicated wounds following obstetrical and gynecologic operations] Burgudzhieva T, et al. **Akush Ginekol (Sofiia)** 1985;24(6):60–9 (Eng. Abstr.) (Bul)

[Serum endotoxin level in the course of open peritonitis treatment] Muhrer KH, et al. **Chirurg** 1985 Dec; 56(12):789–97 (Eng. Abstr.) (Ger)

[Gas gangrene--a report from general practice] Wolf W, et al. **Z Gesamte Hyg** 1985 Aug;31(8):451–2 (Eng. Abstr.) (Ger)

[Early correction of a traumatic defect of the interventricular septum under artificial circulation in a patient with deep suppuration of a thoracotomy wound] Bulynin VI, et al. **Grudn Khir** 1986 May–Jun;(3):91–2 (Rus)

[A method of draining the subdiaphragmatic space after extensive resection of the liver] Al'perovich BI, et al. **Khirurgiia (Mosk)** 1986 Feb;(2):100–2 (Rus)

[Late infection in reconstructive vascular surgery] Vakhidov VV, et al. **Klin Khir** 1985;(7):18–20 (Eng. Abstr.) (Rus)

THERAPY

Management of the infected pacemaker: explantation, sterilization, and reimplantation. Mansour KA, et al. **Ann Thorac Surg** 1985 Dec;40(6):617–9

Results of bacteriophage treatment of suppurative bacterial infections. VI. Analysis of treatment of suppurative staphylococcal infections. Slopek S, et al. **Arch Immunol Ther Exp (Warsz)** 1985;33(2):261–73

Management of infected total knee arthroplasty. Rand JA, et al. **Clin Orthop** 1986 Apr;(205):75–85

Reimplantation for salvage of the infected hip: rationale for the use of gentamicin-impregnated cement and beads. Callaghan JJ, et al. **Hip** 1985;:65–94

Deep sepsis following total knee arthroplasty. Ten-year experience at the University of California at Los Angeles Medical Center. Grogan TJ, et al. **J Bone Joint Surg [Am]** 1986 Feb;68(2):226–34

Gram-negative septic shock in surgical patients. Ramachandran CS. **J Indian Med Assoc** 1985 Jun; 83(6):188–91

Infections in total joint replacement. Hayte RG, et al. **Ohio State Med J** 1986 Feb;82(1):131–4

A continuous breast irrigation system. Rigg BM. **Plast Reconstr Surg** 1986 Jul;78(1):102–3

Fibronectin in severe sepsis. Stevens LE, et al. **Surg Gynecol Obstet** 1986 Mar;162(3):222–8

[Effect of adjuvant immunoglobulin therapy on infections in patients in an surgical intensive care unit. Results of a randomized controlled study] Just HM, et al. **Klin Wochenschr** 1986 Mar 17;64(6):245–56 (Eng. Abstr.) (Ger)

[Electrode extraction by continuous traction in pacemaker patients with septic complications] Thiele G, et al. **Z Arztl Fortbild (Jena)** 1986;80(1):23–5 (Ger)

[A clinical trial of SM-4300 against severe infections in surgery] Ueda T, et al. **Jpn J Antibiot** 1985 Sep; 38(9):2647–59 (Eng. Abstr.) (Jpn)

[The management of median sternotomy infection following cardiac surgery by continuous closed irrigation with an antibiotic solution] Maehara T, et al. **Kyobu Geka** 1985 Sep; 38(9):706–9 (Eng. Abstr.) (Jpn)

[Use of the metabolic products of lactic acid bacteria strain 317/402 in suppurative surgery] Avakian AV, et al. **Klin Khir** 1986;(1):66 (Rus)

[Metallo-osteosynthesis and deep wound infection] Makhson NE, et al. **Ortop Travmatol Protez** 1985 Jul;(7):10–3 (Eng. Abstr.) (Rus)

[Use of leukoconcentrate in the treatment of postoperative suppurative complications in cardiosurgical patients with immunosuppression] Kolesov AP, et al. **Vestn Khir** 1985 Aug;135(8):109–12 (Eng. Abstr.) (Rus)

[Effect of hyperbaric oxygenation on hemodynamics in patients with infection] Lukich VL, et al. **Vestn Khir** 1986 Apr;136(4):46–50 (Eng. Abstr.) (Rus)

TRANSMISSION

Researches in orthopedic wound infection. Wiley AM. **Clin Orthop** 1986 Jul;(208):28–9

An investigation into contamination of operative suction. Greenough CG. **J Bone Joint Surg [Br]** 1986 Jan; 68(1):151–3

VETERINARY

Judgment of castration-induced abscesses in pigs at meat inspection. Százados I. **Acta Vet Hung** 1985;33(3–4):177–84

Tail docking [letter] Brown S, et al. **Vet Rec** 1986 Aug 2; 119(5):119

[Suture technics for the abdominal wall after midline

laparotomy] Becker M. Tierarztl Prax 1985;13(3):325–9 (Eng. Abstr.) (Ger)

SURGICENTERS

Five years' experience in a free-standing outpatient surgical clinic. Calcinai CJ, et al. Aust NZ J Surg 1986 Jan; 56(1):55–9

Free-standing outpatient surgical facilities [editorial] Pender JW, et al. Aust NZ J Surg 1986 Jan;56(1):2–3

Characteristics of vasectomies performed in selected outpatient facilities in the United States, 1980. Kendrick JS, et al. J Reprod Med 1985 Dec;30(12):936–8

ORGANIZATION & ADMINISTRATION

Selecting and educating perioperative nurses for an ambulatory surgery setting. Brannan P. AORN J 1986 Aug; 44(2):307–8, 310

RN staffing, accreditation problems highlight ambulatory surgery meeting. Combs DJ. AORN J 1986 Jun;43(6):1318, 1320–2

Use of AORN recommended practices. Applications in ambulatory surgery. Roth RA, et al. AORN J 1986 May; 43(5):991–9

[Participation of surgeons in the annual outpatient care of the population] Matveeva AP, et al. Klin Khir 1986;(5):47–9 (Rus)

TRENDS

Can surgicenters stand alone? Riffer J. Hospitals 1986 Jul 20;60(14):44–8

UTILIZATION

Consumers snub freestanding surgical centers. Powills S. Hospitals 1986 Jul 20;60(14):73

Hernia surgery makes its move to outpatient settings. Riffer J. Hospitals 1986 Apr 20;60(8):79

SURROGATE MOTHERS see under **MOTHERS**

SURVEY METHODS see **DATA COLLECTION**

SURVIVAL

Adaptive abilities in nonclinical second-generation Holocaust survivors and controls: a comparison. Russell A, et al. Am J Psychother 1985 Oct;39(4):564–79

Ship/rig personnel abandonment and helicopter crew/passenger immersion suits: the requirements in the North Atlantic. Brooks CJ. Aviat Space Environ Med 1986 Mar;57(3):276–82

Surviving helicopter crashes at sea: a review of studies of underwater egress from helicopters. Ryack BL, et al. Aviat Space Environ Med 1986 Jun;57(6):603–9

Exceptional case of survival in cold water. Keatinge WR, et al. Br Med J [Clin Res] 1986 Jan 18;292(6514):171–2

Children who survived the Holocaust. The role of rules and routines in the development of the superego. Kestenberg JS, et al. Int J Psychoanal 1986;67 (Pt 3):309–16

Working with women survivors of the Holocaust: affective experiences in transference and countertransference. Pines D. Int J Psychoanal 1986;67 (Pt 3):295–307

Guilt feelings and locus of control of concentration camp survivors. Lobel TE, et al. Int J Soc Psychiatry 1985 Autumn;31(3):170–5

Sexuality and the holocaust survivor. Roden RG. Isr J Psychiatry Relat Sci 1985;22(3):211–20

Offspring of concentration camp survivors: a study of levels of ego functioning. Zlotogorski Z. Isr J Psychiatry Relat Sci 1985;22(3):201–9

Survival, psychoanalysis and the Third Reich. Spiegel R. J Am Acad Psychoanal 1985 Oct;13(4):521–36

Identifying survivors at risk: long-term impairment following the Beverly Hills Supper Club fire. Green BL, et al. J Consult Clin Psychol 1985 Oct;53(5):672–8

Comparisons of second-generation holocaust survivors, immigrants, and nonimmigrants on measures of mental health. Weiss E, et al. J Pers Soc Psychol 1986 Apr; 50(4):828–31

Emotional distress and satisfaction in life among Holocaust survivors—a community study of survivors and controls. Carmil D, et al. Psychol Med 1986 Feb;16(1):141–9

Social class and survival on the S.S. Titanic. Hall W. Soc Sci Med 1986;22(6):687–90

[Survivor's guilt syndrome] Porot M, et al. Ann Med Psychol (Paris) 1985 Mar;143(3):256–62 (Fre)

SUSPENDING AGENTS see **EXCIPIENTS**

SUSPENSIONS

STANDARDS

Bioluminescence for USP sterility testing of pharmaceutical suspension products. Bussey DM, et al. Appl Environ Microbiol 1986 Feb;51(2):349–55

Sterile ophthalmic ointment and suspension manufacturing. Abshire R, et al. J Parenter Sci Technol 1986 May–Jun; 40(3):97–9

SUSTAINED-RELEASE PREPARATIONS see **DELAYED-ACTION PREPARATIONS**

SUTURE TECHNICS

Suture technique and early breaking strength of intestinal anastomoses and laparotomy wounds. Högström H, et al. Acta Chir Scand 1985;151(5):441–3

Postoperative decrease in suture holding capacity in laparotomy wounds and anastomoses. Högström H, et al. Acta Chir Scand 1985;151(6):533–5

Dislocated intraocular lens after biodegradation of fixation loops. A case report. Krause U, et al. Acta Ophthalmol (Copenh) 1986 Jun;64(3):338–43

Suture of achilles tendon rupture under local anesthesia. Andersen E, et al. Acta Orthop Scand 1986 Jun;57(3):235–6

Nerve suturing and grafting. Boedts D. Acta Otorhinolaryngol Belg 1986;40(1):317–22

Direction of suture lines in Z-plasty scar revision. Yanai A, et al. Aesthetic Plast Surg 1986;10(2):97–9

A simple technique to tighten loose sutures during strabismus surgery. Kushner BJ. Am J Ophthalmol 1986 Jan 15; 101(1):123

Invagination versus simple ligation of the caecal tip with reference to the strength of the caecal closure. An experimental study in the rat. Arnbjörnsson E. Ann Chir Gynaecol 1986;75(3):180–2

Use of adjustable sutures: a helpful modification. Howard CW, et al. Ann Ophthalmol 1986 Feb;18(2):70–3

Does mass closure of midline laparotomies stand the test of time [letter] Ann R Coll Surg Engl 1985 Sep;67(5):335

Follow-up on suture knot fusion [letter] Roe BB, et al. Ann Thorac Surg 1985 Dec;40(6):636

Abdominal midline incision closure. A multicentric randomized prospective trial of 3,135 patients, comparing continuous vs interrupted polyglycolic acid sutures. Fagniez PL, et al. Arch Surg 1985 Dec;120(12):1351–3

The inguinal darn. Lifschutz H, et al. Arch Surg 1986 Jun; 121(6):717–9

Continuous absorbable vs interrupted nonabsorbable fascial closure. A prospective, randomized comparison. McNeil PM, et al. Arch Surg 1986 Jul;121(7):821–3

Repair of growing vessels. Continuous absorbable or interrupted nonabsorbable suture? Stillman RM, et al. Arch Surg 1985 Nov;120(11):1281–3

Arthroscopic meniscus repair: a safe approach to the posterior horns. Morgan CD, et al. Arthroscopy 1986; 2(1):3–12

Arthroscopic meniscal repair evaluated with repeat arthroscopy. Rosenberg TD, et al. Arthroscopy 1986; 2(1):14–20

A technique of arthroscopic suture of torn menisci. Stone RG, et al. Arthroscopy 1985;1(4):226–32

Abdominal wound closure comparing the proximate stapler with sutures. Lubowski D, et al. Aust NZ J Surg 1985 Aug;55(4):405–6

Episiotomy repair—immediate and long-term sequelae. A prospective randomized study of three different methods of repair. Isager-Sally L, et al. Br J Obstet Gynaecol 1986 May;93(5):420–5

A study to assess the value of Dacron slings in the management of squints which are not amenable to conventional surgery. Clark DI, et al. Br J Ophthalmol 1986 Aug;70(8):623–9

The use of sutures in the mouth. Winstanley RP. Br J Oral Maxillofac Surg 1985 Oct;23(5):381–5

Comparison of stapling and hand-suture for left-sided large bowel anastomosis. Everett WG, et al. Br J Surg 1986 May; 73(5):345–8

Incisional hernia [letter] Mudge M, et al. Br J Surg 1986 Jan;73(1):82

Knotting in continuous mass closure of the abdomen. Paterson-Brown S, et al. Br J Surg 1986 Aug;73(8):679–80

The effects of different suture techniques on collagen metabolism in experimental distal colonic anastomoses. Yesilkaya Y, et al. Br J Surg 1985 Dec;72(12):987–9

Technique for banding vertical gastroplasties. Salmon PA. Can J Surg 1985 Nov;28(6):474–5

A prospective randomized study of sutured versus stapled bowel anastomoses in patients with cancer. Didolkar MS, et al. Cancer 1986 Feb 1;57(3):456–60

Grappling suture fixation technique. Grumbine NA, et al. Clin Podiatr Med Surg 1986 Apr;3(2):235–9

Obliterative suture technique for internal hemorrhoidectomy. Block IR. Dis Colon Rectum 1985 Sep;28(9):679–80

Suture of massive hemorrhoidal bleeding in portal hypertension. Nivatvongs S. Dis Colon Rectum 1985 Nov; 28(11):878–9

A comparison of stapled and handsewn anastomoses in patients undergoing resection for Dukes' B and C colorectal cancer. An analysis of disease-free survival and survival from the NSABP prospective clinical trials. Wolmark N, et al. Dis Colon Rectum 1986 May; 29(5):344–50

The slicing suture [letter] Witt PC, et al. Gastrointest Endosc 1986 Feb;32(1):60

Suture materials and suture techniques used in tendon repair. Ketchum LD. Hand Clin 1985 Feb;1(1):43–53

Modified suture technique for six-tailed fascia lata graft to slim palmaris longus tendon. A preliminary case report. Beine A. Indian J Lepr 1985 Apr–Jun;57(2):393–5

Role of multiple sutures in cataract surgery to control the corneal astigmatism. Kamlesh, et al. Indian J Ophthalmol 1983;31 Suppl:978–82

A new of closure of corneo scleral wound in cataract surgery. Shroff AP, et al. Indian J Ophthalmol 1983;31 Suppl:920–3

Lens guide suture for transport and fixation in secondary IOL implantation after intracapsular extraction. Malbran ES, et al. Int Ophthalmol 1986 May;9(2–3):151–60

The posterior fixation procedure: mechanism and indications. Guyton DL. Int Ophthalmol Clin 1985 Winter;25(4):79–88

The adjustable suture technique in strabismus surgery. Nelson LB, et al. Int Ophthalmol Clin 1985 Winter;25(4):89–105

A double-stranded absorbable suture for fascial closure in laparotomy incisions. Waters DJ, et al. J Am Osteopath Assoc 1985 Oct;85(10):642–5

Anatomical basis for repair of ulnar and median nerves in the distal part of the forearm by group fascicular suture and nerve-grafting. Chow JA, et al. J Bone Joint Surg [Am] 1986 Feb;68(2):273–80

A new stitch for ligament-tendon fixation. Brief note. Krackow KA, et al. J Bone Joint Surg [Am] 1986 Jun; 68(5):764–6

Craniocervical instability treated by contoured loop fixation. Ransford AO, et al. J Bone Joint Surg [Br] 1986 Mar; 68(2):173–7

Technique of closure of median sternotomy with trans-sternal figure-of-eight wires. Goodman G, et al. J Cardiovasc Surg (Torino) 1986 Jul–Aug;27(4):512–3

Suprarenal abdominal aortic aneurysm managed by excision and primary repair using a lateral suture technique. Lang SJ, et al. J Cardiovasc Surg (Torino) 1985 Nov–Dec; 26(6):595–7

A modified M-plasty. Asken S. J Dermatol Surg Oncol 1986 Apr;12(4):369–73

Chemosurgical report: a nongeometric approach to wound closure following Mohs surgery. Dzubow LM. J Dermatol Surg Oncol 1986 Apr;12(4):342–5

More on the partial closure [letter] Epstein E. J Dermatol Surg Oncol 1986 Apr;12(4):340, 392

The far-near/near-far suture [letter] Knowles WR. J Dermatol Surg Oncol 1986 Feb;12(2):113, 116

Primary flexor tendon repair: the mechanical limitations of the modified Kessler technique. Wade PJ, et al. J Hand Surg [Br] 1986 Feb;11(1):71–6

A simplified technique for skin grafting rats. Krapienis J. J Immunol Methods 1985 Oct 10;82(2):369–72

A modification of the "curtain technique" incorporating an internal mattress suture. Newell DH, et al. J Periodontol 1985 Aug;56(8):484–7

Some thoughts on prevention of post-operative salivary fistula. Shah AK, et al. J Postgrad Med 1985 Apr;31(2):95–7

Perforated peptic ulcer in North-East Scotland 1972–1981. Part 2: Definitive treatment or oversew? Valerio D, et al. J R Coll Surg Edinb 1985 Dec;30(6):364–8

The Tweener maneuver. Cassel J, et al. J Reconstr Microsurg 1985 Jul;1(4):287–9

A new trick for end-to-end anastomosis in microvascular surgery. Modified Harashina procedure. Foucher G, et al. J Reconstr Microsurg 1984 Jul;1(1):49–51

An open-loop technique to facilitate microtubal anastomoses in the rat. Lee S, et al. J Reconstr Microsurg 1984 Jul; 1(1):45–8

Comparison of continuous and interrupted suture techniques in microvascular end-to-side anastomosis. Wheatley MJ, et al. J Reconstr Microsurg 1986 Jan;2(2):93–6

Significance of cone biopsy margins in management of patients with cervical neoplasia [letter] Kasdon SC. J Reprod Med 1986 Feb;31(2):118

Fibrin seal—an alternative to suture repair in experimental pulmonary surgery. Bergsland J, et al. J Surg Res 1986 Apr;40(4):340–5

Suture technique and para-anastomotic compliance. Hasson JE, et al. J Vasc Surg 1986 Apr;3(4):591–8

Comparison of myointimal hyperplasia in laser-assisted and suture anastomosed arteries. A preliminary report. Quigley MR, et al. J Vasc Surg 1986 Sep;4(3):217–9

Technique for intranasal suturing [letter] Laryngoscope 1985 Nov;95(11):1423–4

The low-output carbon dioxide laser for cutaneous wound closure of scalpel incisions: comparative tensile strength studies of the laser to the suture and staple for wound closure. Garden JM, et al. Lasers Surg Med 1986;6(1):67–71

Fibrinolytic activity following laser-assisted vascular anastomosis. Bailes JE, et al. Microsurgery 1985;6(3):163–8

Spiral interrupted suturing technique for microvascular anastomosis: a comparative study. Chen L, et al. Microsurgery 1986;7(2):72–8

A histologic comparison of continuous and interrupted microarteriorrhaphy. Joos KM, et al. Microsurgery 1985; 6(3):141–6

Comparison of bursting strength between suture- and laser-anastomosed vessels. Quigley MR, et al. Microsurgery 1985;6(4):229–32

Comparative study of rat sciatic nerve microepineurial anastomoses made with carbon dioxide laser and suture techniques: Part 2. A morphometric analysis of myelinated nerve fibers. Beggs JL, et al. Neurosurgery 1986 Mar; 18(3):266–9

Technical aspects in ultra-large corneal grafts. Draeger J, et al. Ophthalmic Res 1985;17(5):266–8

Double running suture in penetrating keratoplasty [letter] Halliday BL. Ophthalmic Surg 1986 Aug;17(8):526–7

Closed chamber iris suture for intraocular lens fixation. Paige GD. Ophthalmic Surg 1985 Sep;16(9):566–7

A new bridle suture for cataract surgery. Perlstein SH, et al. **Ophthalmic Surg** 1986 Jul;17(7):434–6
Results of a double running suture in penetrating keratoplasty performed on keratoconus patients. Young SR, et al. **Ophthalmic Surg** 1985 Dec;16(12):779–86
Selective suture removal can reduce postkeratoplasty astigmatism. Binder PS. **Ophthalmology** 1985 Oct; 92(10):1412–6
A simplified technique for closure of surgical sites following intraoral open reduction of mandibular fractures. Marchmont-Robinson H, et al. **Oral Surg Oral Med Oral Pathol** 1986 Aug;62(2):138–9
Oropharynx tying model. Hetzler DG, et al. **Otolaryngol Head Neck Surg** 1985 Dec;93(6):834–5
Dacron-patch aortopexy. Spitz L. **Prog Pediatr Surg** 1986; 19:117–9
Operative correction for female urethral incompetence. Hadley HR, et al. **Semin Urol** 1986 Feb;4(1):13–23
The ring fixation of T tubes. Caprio A, et al. **Surg Gynecol Obstet** 1986 Sep;163(3):278–9
Refinement of a surgical technique using angulated needle holders and surgical instruments. Hodge J. **Surg Gynecol Obstet** 1986 Jan;162(1):56–9
Anatomic staple closure of midline incision of the upper part of the abdomen. Sapala JA, et al. **Surg Gynecol Obstet** 1986 Sep;163(3):282–4
An aid in the construction of a stapled anterior rectal anastomosis. Tolls RM, et al. **Surg Gynecol Obstet** 1986 Aug;163(2):177
Adjustable sutures in strabismus. Crawford JS. **Trans New Orleans Acad Ophthalmol** 1986;:501–16
The adjustable suture: a clinician's experience. Flynn JT. **Trans New Orleans Acad Ophthalmol** 1986;:245–56
The use of Healon in McCannel suturing procedures. Alpar JJ. **Trans Ophthalmol Soc UK** 1985;104 (Pt 5):558–62
Cystoscopic transvesical placement of sutures for repair of posterior urethral strictures. Boileau MA, et al. **Urology** 1986 Feb;27(2):171
[Value of early removal of skin sutures on the healing of surgical wounds] Radev D, et al. **Khirurgiia (Sofiia)** 1985; 38(6):14–20 **(Bul)**
[Suture method of skin graft removal] Chen EJ. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1985 Aug; 7(4):326–8 (Eng. Abstr.) **(Chi)**
[Use of a strip of the ilio-tibial tract to reinforce a suture in the anterior cruciate ligament] Lipenský R. **Acta Chir Orthop Traumatol Cech** 1986 Jun;53(3):232–41 (Eng. Abstr.) **(Cze)**
[A technic for blind closure of the intestine] Fortýn K, et al. **Rozhl Chir** 1986 May;65(5):364–7 (Eng. Abstr.) **(Cze)**
[Zip closure technic compared with conventional suture in skin closure] Billesbølle P, et al. **Ugeskr Laeger** 1986 Jul 14;148(29):1830–1 (Eng. Abstr.) **(Dan)**
[Incision or primary suture in acute pilonidal abscesses. A prospective randomized study] Christensen K, et al. **Ugeskr Laeger** 1985 Oct 28;147(44):3479–81 (Eng. Abstr.) **(Dan)**
[Primary suture of perianal abscesses and infected pilonidal cysts under metronidazole and ampicillin cover for 4 days] Gottrup F, et al. **Ugeskr Laeger** 1986 Jul 28;148(31):1965–6 (Eng. Abstr.) **(Dan)**
[Early mobilization of flexor tendons after primary suture] Højlund AP. **Ugeskr Laeger** 1986 Apr 21;148(17):1020–2 (Eng. Abstr.) **(Dan)**
[Mechanical suturing of bronchi] Pedersen RH, et al. **Ugeskr Laeger** 1986 Jan 27;148(5):257–8 (Eng. Abstr.) **(Dan)**
[Steristrip Tape suturing compared with percutaneous suturing of abdominal incisions. A controlled study of late cosmetic results] Pedersen VM, et al. **Ugeskr Laeger** 1986 Jan 27;148(5):251–2 (Eng. Abstr.) **(Dan)**
[Peripheral nerve repair: value of biological glues and epiperineural suture in late interventions. Experimental study in rats] Becker C, et al. **Ann Chir Main** 1985; 4(3):259–62 (Eng. Abstr.) **(Fre)**
[The intracorneal suture: a simple procedure for correcting astigmatism following cataract surgery] Béchetoille A, et al. **Bull Soc Ophtalmol Fr** 1985 Aug-Sep;85(8–9):909–12 (Eng. Abstr.) **(Fre)**
[Current aspects of direct suturing of canalicular injuries] George JL, et al. **Bull Soc Ophtalmol Fr** 1985 Jan;85(1):81–3 (Eng. Abstr.) **(Fre)**
[Adjustable surgery in esotropia. Adjustable resection] Spielmann A. **Bull Soc Ophtalmol Fr** 1985 Jan;85(1):85–9 (Eng. Abstr.) **(Fre)**
[Ideal colectomy. Apropos of 316 recent cases] Loygue J, et al. **Chirurgie** 1985;111(6):488–93 (Eng. Abstr.) **(Fre)**
[Subtotal gastrectomy. Comparison of various mechanical and manual suturing procedures] Pelissier E, et al. **J Chir (Paris)** 1985 Aug-Sep;122(8–9):487–9 (Eng. Abstr.) **(Fre)**
[Low colorectal anastomosis by the anterior perineal approach. 29 cases] Bricot R, et al. **Presse Med** 1985 Dec 14;14(43):2190–2 (Eng. Abstr.) **(Fre)**
[An original method of making a purse for circular mechanical anastomoses] Brun JG, et al. **Presse Med** 1986 May 10;15(19):884–6 (Eng. Abstr.) **(Fre)**
[Suture of a carotid arteriotomy over a dilator] Courbier R, et al. **Presse Med** 1985 Oct 5;14(33):1752–3 (Eng. Abstr.) **(Fre)**
[An original technic for closure of a postinfarction interventricular communication] Popoff G. **Presse Med** 1985 Oct 12;14(34):1796–7 (Eng. Abstr.) **(Fre)**
[Reinsertion or meniscal suturing] Bousquet G, et al. **Rev Chir Orthop** 1985;71 Suppl 2:116–8 **(Fre)**
[Suture of the deep flexor tendon at the distal part of No Man's Land. A technic used in 23 cases] Foucher G, et al. **Rev Chir Orthop** 1986;72(3):227–9 (Eng. Abstr.) **(Fre)**
[Conservative treatment of meniscal lesions. Results of more than 100 cases of suturing with a 12-year follow up] Schreiber A, et al. **Rev Chir Orthop** 1985;71 Suppl 2:119–20 **(Fre)**
[Extensive cutaneous and subcutaneous necrosis of the abdominal wall: treatment and closure by gradually bringing together the incision edges] Despland M, et al. **Schweiz Rundsch Med Prax** 1986 May 27;75(22):661–5 (Eng. Abstr.) **(Fre)**
[Flexor tendon suture of the hand—Kleinert primary suture and early secondary suture] Fritsch J. **Beitr Orthop Traumatol** 1986 May;33(5):255–9 (Eng. Abstr.) **(Ger)**
[Simplified method of transosseous suture fixation] Glittenberg SF, et al. **Chirurg** 1986 May;57(5):348–50 **(Ger)**
[Late results of flexor tendon sutures in a "no man's land" of the hand] Biró V, et al. **Handchir Mikrochir Plast Chir** 1986 Mar;18(2):73–6 (Eng. Abstr.) **(Ger)**
[Animal experiment studies of suture material and suture technic of the stomach] Raab M, et al. **Langenbecks Arch Chir** 1985;365(4):267–77 (Eng. Abstr.) **(Ger)**
[Management of Achilles tendon rupture. A comparative study of the adaptation suture and the plantaris tendon interweaving technic] Paes E, et al. **Unfallchirurg** 1985 Jul; 88(7):303–7 (Eng. Abstr.) **(Ger)**
[Suture and functional after care of flexor teudon injuries of the hand by the Kleinert method. Experiences and results following 346 flexor tendon sutures] Pechlaner S, et al. **Unfallchirurgie** 1985 Aug;11(4):187–91 (Eng. Abstr.) **(Ger)**
[Effect of anastomosis technic on wound healing in the gastrointestinal tract. Animal experiment study of the dog colon with special reference to manual suture technics] Scheele J, et al. **Z Exp Chir Transplant Kunstliche Organe** 1985;18(6):357–67 (Eng. Abstr.) **(Ger)**
[Atraumatic wound dressing from the dermatologic viewpoint] Effendy I, et al. **Z Hautkr** 1985 Dec 15; 60(24):1963–9 (Eng. Abstr.) **(Ger)**
[Wound closure in the care of small skin defects] Friederich HC, et al. **Z Hautkr** 1985 Sep 1;60(17):1350–6, 1361–4, 1367–70 (Eng. Abstr.) **(Ger)**
[The W. B. Shute episiotomy suture] Tischendorf D. **Zentralbl Gynakol** 1985;107(15):963–5 (Eng. Abstr.) **(Ger)**
[Comparison of the results of total hysterectomy with complete or partial suture of the vaginal stump] Neglia V. **Ann Ostet Ginecol Med Perinat** 1985 Jul-Aug; 106(4):221–4 (Eng. Abstr.) **(Ita)**
[Primary closure in the treatment of pilonidal sinus. Evaluation of immediate and remote results] Diana G, et al. **Minerva Chir** 1986 May 15;41(9):765–7 (Eng. Abstr.) **(Ita)**
[Manual suture or mechanical suture after total gastrectomy of neoplasms of the stomach] Foco A, et al. **Minerva Chir** 1986 Apr 30;41(8):639–40 (Eng. Abstr.) **(Ita)**
[Urinary diversion with the Kock continent ileal reservoir: report of 13 cases] Okada Y, et al. **Hinyokika Kiyo** 1985 Dec;31(12):2193–201 (Eng. Abstr.) **(Jpn)**
[Suture technics of tracheobronchial reconstruction] Fujimura S, et al. **Kyobu Geka** 1985 Aug;38(8):593–600 (Eng. Abstr.) **(Jpn)**
[Histopathological and histochemical study of tissue response after the fadenoperation and related surgery. Report 1. Histopathological changes after the fadenoperation and related surgery] Furuno K, et al. **Nippon Ganka Gakkai Zasshi** 1986 Feb;90(2):409–17 (Eng. Abstr.) **(Jpn)**
[Current treatment of cancer of the esophagus in our department] Imamura M, et al. **Nippon Geka Hokan** 1986 Jan 1;55(1):260–9 (Eng. Abstr.) **(Jpn)**
[A clinical study of risk factors associated with direct interruption surgery of esophageal varices. A comparative study between transthoracoabdominal esophageal transection with hand suture and transabdominal esophageal transection with the EEA stapler] Shimizu T. **Nippon Geka Hokan** 1986 Jan 1;55(1):46–57 (Eng. Abstr.) **(Jpn)**
[Serum lactic dehydrogenase activity and isoenzyme patterns following nephrolithotomy using one-layer interrupted parenchymal suture] Fukuoka H, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Feb;77(2):310–6 (Eng. Abstr.) **(Jpn)**
[An experimental study of renal parenchymal changes and suture methods for nephrotomy; on degeneration of canine renal tissue after one layer interrupted parenchymal suture] Usuda K. **Nippon Hinyokika Gakkai Zasshi** 1985 May; 76(5):666–77 (Eng. Abstr.) **(Jpn)**
[Carina resection—a statistical nation-wide report of 103 resected cases in Japan] Yamaguchi Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Jul;33(7):1078–85 (Eng. Abstr.) **(Jpn)**
[New tactical maneuver for hemostasis of parenchymal organs] Deutsch CR, et al. **Arq Gastroenterol** 1985 Jan-Mar;22(1):17–20 (Eng. Abstr.) **(Por)**
[Morphological study of partial plication of the ileum of guinea pigs] Gouvêa MA, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1985 May-Jun; 40(3):111–4 (Eng. Abstr.) **(Por)**
[Removable continuous layered suture of the abdominal wall] Kochnev OS, et al. **Khirurgiia (Mosk)** 1985 Sep;(9):38–42 (Eng. Abstr.) **(Rus)**
[Experimental validation of a nonabsorbable blunt precision suture of the hepato-choledochus] Lapkin KV, et al. **Khirurgiia (Mosk)** 1986 Jul;(7):47–51 (Eng. Abstr.) **(Rus)**
[Wedge resection of the liver using crisscross pi-form sutures] Mishin VIu. **Khirurgiia (Mosk)** 1986 Feb;(2):102–4 **(Rus)**
[Blind suture of the wound in the treatment of various forms of paronychia] Rafkevich NP, et al. **Khirurgiia (Mosk)** 1985 Nov;(11):107–10 (Eng. Abstr.) **(Rus)**
[Use of lamellar sutures in the combined treatment of phlegmons and abscesses of the maxillofacial area] Nasuev SI, et al. **Stomatologiia (Mosk)** 1985 Jul-Aug;64(4):37–8 (Eng. Abstr.) **(Rus)**
[Operative treatment of osseous and osteoarticular paronychia by applying a closed suture to the wound and by prolonged intra-osseous administration of antibiotics] Iusopov IuN, et al. **Vestn Khir** 1986 Jan;136(1):64–6 (Eng. Abstr.) **(Rus)**
[Surgical treatment of morbid obesity] Wong JC. **Rev Med Panama** 1986 May;11(2):103–6 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

A comparison of three techniques for ovarian reconstruction. Oelsner G, et al. **Am J Obstet Gynecol** 1986 Mar; 154(3):569–72
Cuspal perforations caused by long suture ends in implanted bioprosthetic valves. Jones M, et al. **J Thorac Cardiovasc Surg** 1985 Oct;90(4):557–63
Testicular torsion after orchiopexy with nonabsorbable sutures. Hulecki SJ, et al. **Urology** 1986 Aug;28(2):131–2

HISTORY

Classic articles in colonic and rectal surgery. Christian Albert Theodor Billroth 1829–1894. Discussion of problems in modern surgery and daily problems in surgery. Concerning enterorrhaphy. **Dis Colon Rectum** 1986 Apr;29(4):284–7

INSTRUMENTATION

Staples for wound closure: a controlled trial. Gatt D, et al. **Ann R Coll Surg Engl** 1985 Sep;67(5):318–20
Surgical practice kit. Ophthalmic suture simulator. Helveston EM, et al. **Arch Ophthalmol** 1986 Jun;104(6):923–4
The rational use of the purse-string device in constructing anastomoses with the circular stapler. Last MD, et al. **Dis Colon Rectum** 1985 Dec;28(12):979–80
An endoscopic sewing machine. Swain CP, et al. **Gastrointest Endosc** 1986 Feb;32(1):36–8
Angulation of ringed grasping instruments. Perlman SL. **J Foot Surg** 1985 Sep-Oct;24(5):364–5
A suture-jig for peripheral nerve repair. Austin RT, et al. **J R Coll Surg Edinb** 1986 Feb;31(1):44–9
Double-tipped center-threading suture needle for subcuticular suturing. Yanai A, et al. **Plast Reconstr Surg** 1986 Sep;78(3):411–3
[Operative treatment of low cancer of the rectum before and after introduction of autosuturing instruments] Alhede J. **Ugeskr Laeger** 1985 Sep 16;147(38):2965–8 (Eng. Abstr.) **(Dan)**
[Indications for mechanical anastomoses] Taruffi F. **Ann Gastroenterol Hepatol (Paris)** 1986 Jul-Sep;22(4):203–4 (Eng. Abstr.) **(Fre)**
[Use of elastic laces with attached needle in coronary surgery] Goudard A, et al. **Presse Med** 1986 Jun 14; 15(24):1153–4 (Eng. Abstr.) **(Fre)**
[Mechanical compression anastomosis (AKA-2) of the colon and rectum. Results of a prospective clinical study] Eigler FW, et al. **Chirurg** 1986 Apr;57(4):230–5 (Eng. Abstr.) **(Ger)**
[External fixation for the protection of pedicled grafts on the back of the hand] Nutz V, et al. **Unfallchirurg** 1986 Jun;89(6):264–7 (Eng. Abstr.) **(Ger)**
[Management of wound ruptures] Ermisch J. **Zentralbl Chir** 1986;111(6):363–5 **(Ger)**
[Use of the circular mechanical stapler in digestive surgery. Critical analysis] Rosati R, et al. **Minerva Chir** 1986 Mar 31;41(5–6):485–92 **(Ita)**
[Studies on a new technic for performing end colostomy using an auto suture] Chen TC. **Igaku Kenkyu** 1985 Jul; 55(2):103–7 (Eng. Abstr.) **(Jpn)**
[A new technic in repairing sternal dehiscence following open-heart surgery] Suzuki S, et al. **Kyobu Geka** 1985 Nov; 38(11):880–3 (Eng. Abstr.) **(Jpn)**
[Automatic suture stapling in abdominal hysterectomy] Bendvold E, et al. **Tidsskr Nor Laegeforen** 1986 Jan 30; 106(3):199 (Eng. Abstr.) **(Nor)**
[Automatic suture stapling in low rectal anastomosis. EEA and TA-55] Dahl OE, et al. **Tidsskr Nor Laegeforen** 1986 Jan 30;106(3):197–9 (Eng. Abstr.) **(Nor)**
[Auxiliary instrument for applying sutures] Lokhvitskii SV, et al. **Klin Khir** 1986;(1):71–2 **(Rus)**

VETERINARY

Comparison of suture materials and suture patterns for inverting intestinal anastomosis of the jejunum in the horse. Dean PW, et al. **Am J Vet Res** 1985 Oct;46(10):2072–7

[Suture technics for the abdominal wall after midline laparotomy] Becker M. **Tierarztl Prax** 1985;13(3):325–9 (Eng. Abstr.) (Ger)

SUTURES

Significance of synthetic sutures in urological operations of the cavity system. Végh A, et al. **Acta Chir Hung** 1985; 26(4):215–23

Polydioxanone in anastomosis of rabbit tubes. A morphological study of the epithelium. Dargenio R, et al. **Acta Eur Fertil** 1986 Jan–Feb;17(1):27–30

Suture anchor for visceral drainage. Cope C. **AJR** 1986 Jan; 146(1):160–2

Sutures and closures. Orr JW Jr. **Ala J Med Sci** 1986 Jan; 23(1):36–41

Polydioxanone in digestive surgery. An experimental study. Houdart R, et al. **Am J Surg** 1986 Sep;152(3):268–71

Infectivity of vascular sutures. Scher KS, et al. **Am Surg** 1985 Oct;51(10):577–9

The breakdown of polypropylene in the human eye: is it clinically significant? Altman AJ, et al. **Ann Ophthalmol** 1986 May;18(5):182–5

Sutures versus staples in skin flap operations. Coupland RM. **Ann R Coll Surg Engl** 1986 Jan;68(1):2–4

Abdominal wound closure: a controlled trial of polyamide (nylon) and polydioxanone suture (PDS). Leaper DJ, et al. **Ann R Coll Surg Engl** 1985 Sep;67(5):273–5

Novafil. A dynamic suture for wound closure. Rodeheaver GT, et al. **Ann Surg** 1986 Aug;204(2):193–9

Wound closure strips to secure vascular tourniquet sutures [letter] Olinger GN, et al. **Ann Thorac Surg** 1986 Jul; 42(1):120

Continuous absorbable vs interrupted nonabsorbable fascial closure. A prospective, randomized comparison. McNeil PM, et al. **Arch Surg** 1986 Jul;121(7):821–3

Arthroscopic review of meniscal repair: assessment of healing parameters. Stone RG, et al. **Arthroscopy** 1986;2(2):77–81

Mechanical performance of a work hardened pointed surgical wire. Morgan RF, et al. **Biomaterials** 1986 Mar;7(2):113–7

Biosoluble surgical material from 2,3–dialdehyde cellulose. Syamala Devi K, et al. **Biomaterials** 1986 May;7(3):193–6

Complications of non–absorbable ligatures in thyroid surgery. Hall CN, et al. **Br J Clin Pract** 1985 Aug;39(8):307–9

Silk granuloma. Muzafer M. **Br J Clin Pract** 1985 Sep; 39(9):367–8

A randomized comparison of glycerol–impregnated chromic catgut with untreated chromic catgut for the repair of perineal trauma. Spencer JA, et al. **Br J Obstet Gynaecol** 1986 May;93(5):426–30

Effect of steel wire sutures on the incidence of chemically induced rodent colonic tumours. Phillips RK, et al. **Br J Surg** 1986 Aug;73(8):671–4

New concepts in suture selection and technical approaches in gynecological surgery. Duvivier R. **Bull NY Acad Med** 1985 Sep;61(7):621–8

Double–coated medical tape modification of finger trap method for anchoring drainage catheters to the skin. Dixon GD, et al. **Cardiovasc Intervent Radiol** 1986;9(2):113–4

Absorbable vs. nonabsorbable sutures [letter] Heaton N. **Dis Colon Rectum** 1985 Oct;28(10):759

Vicryl intestinal anastomosis. Analysis of 327 cases. McDonald CC, et al. **Dis Colon Rectum** 1985 Nov; 28(11):775–6

Intraocular lens implants (pseudophakoi) and steelwire sutures: a contraindication for MRI? de Keizer RJ, et al. **Doc Ophthalmol** 1986 Jan 15;61(3–4):281–4

Mechanical and biochemical effects of man–made fibres and metals in the human eye, a SEM–study. Jongebloed WL, et al. **Doc Ophthalmol** 1986 Jan 15;61(3–4):303–12

Collagen in surgical research. Klopper PJ. **Ear Surg Res** 1986; 18(3–4):218–23

Biological tolerance to polydioxanone absorbable clips: a comparison with metallic ligating clips. Michel F, et al. **Ear Surg Res** 1985;17(6):383–7

Enzymatic wound cleaning and absorbable sutures. An experimental study on Varidase and Dexon sutures. Persson M, et al. **Ear Surg Res** 1986;18(2):122–8

Absorbable or nonabsorbable suture material for microsurgical tubal anastomosis. Randomized experimental study on rabbits. Scheidel PH, et al. **Gynecol Obstet Invest** 1986;21(2):96–102

Suture materials and suture techniques used in tendon repair. Ketchum LD. **Hand Clin** 1985 Feb;1(1):43–53

A prospective trial of skin staples and sutures in skin closure. Harvey CF, et al. **Ir J Med Sci** 1986 Jun;155(6):194–6

Endoscopic treatment of suture line bleeding ulcer caused by nonabsorbable suture material in postvagotomy patients. Witz M, et al. **Isr J Med Sci** 1985 Dec;21(12):982–4

Histopathological aspects of tissue reactivity to suture materials in microsurgical arterial, anastomosis. Uusia G, et al. **Ital J Surg Sci** 1985;15(3):287–92

A double–stranded absorbable suture for fascial closure in laparotomy incisions. Waters DJ, et al. **J Am Osteopath Assoc** 1985 Oct;85(10):642–5

The effect of annealing treatments on the tensile properties and hydrolytic degradative properties of polyglycolic acid sutures. Browning A, et al. **J Biomed Mater Res** 1986 May–Jun;20(5):613–32

Tensile strength of suture materials. von Fraunhofer JA, et al. **J Biomed Mater Res** 1985 May–Jun;19(5):595–600

Surgery for full–thickness rotator–cuff tears [letter] Popowitz L, et al. **J Bone Joint Surg [Am]** 1986 Apr;68(4):634

Using the argon laser to cut sutures [letter] Chirls IA, et al. **J Cataract Refract Surg** 1986 Mar;12(2):173

Free autologous nerve grafting—comparison of suture materials. Edinger D, et al. **J Maxillofac Surg** 1986 Aug; 14(4):227–30

Subcuticular skin closure after inguinal surgery. A controlled trial of polypropylene or polydioxanone. Leaper DJ, et al. **J R Coll Surg Edinb** 1985 Aug;30(4):234–6

The use of polydioxanone suture in midline incisions. Taylor TV. **J R Coll Surg Edinb** 1985 Jun;30(3):191–2

Sutures of fibrin glue for divided rat nerves. Schwann cell and muscle metabolism. Becker CM, et al. **J Reconstr Microsurg** 1984 Oct;1(2):139–45

Microanastomotic response to needle and suture size. Lourie GM, et al. **J Reconstr Microsurg** 1984 Oct;1(2):135–8

A comparison of absorbable and nonabsorbable sutures to vascular response in immature arteries. Mallon WJ, et al. **J Reconstr Microsurg** 1986 Jan;2(2):87–92

Polydioxanone suture material in growing vascular anastomoses. Experimental study. Verschuere I, et al. **J Thorac Cardiovasc Surg** 1985 Nov;90(5):765–70

Urolithiasis on absorbable and non–absorbable suture materials in the rabbit bladder. Morris MC, et al. **J Urol** 1986 Mar;135(3):602–3

Experimental studies with absorbable and nonabsorbable sutures in infected canine arterial anastomoses. Torsello GB, et al. **J Vasc Surg** 1986 Jan;3(1):135–9

Sutureless skin closure: a comparative study with conventional stitching. Gardezi SA, et al. **JPMA** 1985 Nov; 35(11):323–6

Mechanical properties of coated absorbable multifilament suture materials. Stone JK, et al. **Obstet Gynecol** 1986 May; 67(5):737–40

Performance of sliding knots in monofilament and multifilament suture material. Trimbos JB, et al. **Obstet Gynecol** 1986 Sep;68(3):425–30

Early decrease in suture line breaking strength. The effect of proposed collagenase inhibition. Högström H, et al. **Res Exp Med (Berl)** 1985;185(6):451–5

Comparison of chord length and scleral arc length when placing sutures for episcleral exoplants. Thompson JT, et al. **Retina** 1985 Fall–Winter;5(4):225–6

Intraoperative testing for anastomoses of the gastrointestinal tract. Trowbridge PE. **Surg Gynecol Obstet** 1986 Sep; 163(3):274–6

Closure of longitudinal sternotomy with absorbable sutures. Mulch J, et al. **Thorac Cardiovasc Surg** 1986 Jun;34(3):191–3

The use of synthetic absorbable suture materials (polyglycolic acid and polydioxanone) in the low pressure circulatory system of growing organisms. Töns C, et al. **Thorac Cardiovasc Surg** 1986 Apr;34(2):128–31

Scanning electron microscope study on the biodegradation of IOL and suturing materials. Yamanaka A, et al. **Trans Ophthalmol Soc UK** 1985;104 (Pt 5):517–21

[Choice of the skin suture in abdominal operations] Radev D. **Khirurgiia (Sofiia)** 1986;39(2):68–73 (Bul)

[A simple procedure for treatment of astigmatism after cataract surgery] Bechetoille A, et al. **Bull Soc Ophtalmol Fr** 1984 Nov;84(11):1269–72 (Eng. Abstr.) (Fre)

[Absorbable material in surgery] Champault G, et al. **J Chir (Paris)** 1986 Jan;123(1):45–51 (Eng. Abstr.) (Fre)

[Comparison of the physical parameters and handling properties of short–duration and middle–duration absorbable suture materials] Thiede A, et al. **Chirurg** 1985 Dec;56(12):803–8 (Eng. Abstr.) (Ger)

[Thoracic closure following open heart surgery with a coated polyester suture. Report of experiences in over 2,437 cases] Vanscheidt W, et al. **Chirurg** 1986 Feb;57(2):105–6 (Ger)

[Animal experiment studies of suture material and suture technic of the stomach] Raab M, et al. **Langenbecks Arch Chir** 1985;365(4):267–77 (Eng. Abstr.) (Ger)

[Bacterial contamination of colonic sutures. Experimental study in the rabbit] Cappelletti M, et al. **Ann Ital Chir** 1985; 57(4):349–57 (Ita)

[Monofilament sutures in digestive system surgery] Izzo L, et al. **Ann Ital Chir** 1985;57(5):431–9 (Ita)

[Tissue reaction to a new non–absorbable synthetic monofilament: polyvinylidene fluoride (Flexamide)] Boltri F, et al. **Minerva Chir** 1985 Dec 15–31;40(23–24):1673–5 (Eng. Abstr.) (Ita)

[Tissue reaction to a new non–absorbable synthetic monofilament: polyether urethane (Maxilene)] Boltri F, et al. **Minerva Chir** 1985 Dec 15–31;40(23–24):1669–71 (Eng. Abstr.) (Ita)

[Prevention of laparocele after portasystemic shunt. Randomized comparison of sutures with absorbable vs non–absorbable thread] Galeotti F, et al. **Minerva Chir** 1986 Apr 15;41(7):503–5 (Ita)

[Experimental studies of the usefulness of polydioxanone (PDS) threads for cerclage of the eyeball. 2. Macroscopic and histological evaluation] Biardzka B, et al. **Klin Oczna** 1986 Jan;88(1):6–8 (Eng. Abstr.) (Pol)

[Experimental studies of the usefulness of polydioxanone (PDS) threads for cerclage of the eyeball. 1. Clinical observations] Biardzka B, et al. **Klin Oczna** 1986 Jan; 88(1):4–5 (Eng. Abstr.) (Pol)

[Absorbable sutures: brief description of their characteristics and use in ophthalmology] Biardzka B. **Klin Oczna** 1985 Jun;87(6):256–7 (31 ref.) (Eng. Abstr.) (Pol)

[Use of absorbable polydioxanone (PDS) threads for cerclage of the eyeball] Kałużny J, et al. **Klin Oczna** 1986 Jan; 88(1):9–10 (Eng. Abstr.) (Pol)

[Tissue reaction to the intraneural introduction of absorbable and non–absorbable microsurgical sutures] Zarzycki A. **Polim Med** 1985;15(1–2):49–59 (Eng. Abstr.) (Pol)

[Cerclage with Arruga suture and cerclage with a silicone band—the comparative results] Radian AB, et al. **Rev Chir [Oftalmol]** 1985 Oct–Dec;29(4):287–90 (Eng. Abstr.) (Rum)

[Antibacterial suture and plastic surgery materials] Gostishchev VK, et al. **Khirurgiia (Mosk)** 1986 Jun; (6):36–40 (Eng. Abstr.) (Rus)

[Comparative evaluation of the regeneration of microvascular wall after plastic repair with the suture materials "Metallatravm" and "Ethilon"] Savitskaia IM, et al. **Klin Khir** 1985;(7):31–2 (Eng. Abstr.) (Rus)

[Experimental and clinical use of a single–row absorbable suture in abdominal surgery] SolomkoAV, et al. **Klin Khir** 1986;(1):4–6 (Eng. Abstr.) (Rus)

[Treatment of recent isolated injuries of the tendons of the deep flexor of the fingers] Shugarov NA, et al. **Ortop Travmatol Protez** 1986 May;(5):6–9 (Eng. Abstr.) (Rus)

[Clinico–experimental substantiation of primary suture of the tendons of the superficial flexors of the fingers] Tkachenko SS, et al. **Ortop Travmatol Protez** 1986 May;(5):1–5 (Eng. Abstr.) (Rus)

[Use of lamellar sutures in the combined treatment of phlegmons and abscesses of the maxillofacial area] Nanuev SI, et al. **Stomatologiia (Mosk)** 1985 Jul–Aug;64(4):37–8 (Eng. Abstr.) (Rus)

[Treatment of non–healing trophic ulcers of the lower limbs by long–term novocaine block combined with collagen preparations] Sashchikova VG. **Vestn Khir** 1985 Jul; 135(7):69 (Rus)

[Prevention of postoperative eventration] Telkov NA, et al. **Vestn Khir** 1985 Nov;135(11):46–9 (Eng. Abstr.) (Rus)

[Experimental and clinical studies of sutures of natural silk produced by oak silkworms] Nurmamedov NN, et al. **Vestn Oftalmol** 1986 Mar–Apr;102(2):62–6 (Eng. Abstr.) (Rus)

[Tubal reanastomosis in the rabbit with different suture materials] Fernández del Castillo Ancira C, et al. **Ginecol Obstet Mex** 1985 Aug;53:213–6 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

Hypersensitivity to chromated catgut sutures: a case report and review of the literature. Engler RJ, et al. **Ann Allergy** 1986 Apr;56(4):317–20

Non–absorbable suture material as a nidus for the formation of common bile duct stones. Bak B, et al. **Ann Chir Gynaecol** 1985;74(3):146–7

Repair of growing vessels. Continuous absorbable or interrupted nonabsorbable suture? Stillman RM, et al. **Arch Surg** 1985 Nov;120(11):1281–3

Infected suture granuloma simulating mass of urachal origin: case report. Katz PG, et al. **J Urol** 1986 Apr;135(4):782–3

Urolithiasis on absorbable and non–absorbable suture materials in the rabbit bladder. Morris MC, et al. **J Urol** 1986 Mar;135(3):602–3

Nerve regeneration and pharmacological suppression of the scar reaction at the suture site. An experimental study on the effect of estrogen–progesterone, methylprednisolone–acetate and cis–hydroxyproline in rat sciatic nerve. Nachemson AK, et al. **Scand J Plast Reconstr Surg** 1985;19(3):255–60

[Stress incontinence in women; results of the Stamey–Pereyra surgical method of treatment (letter)] Kok FT, et al. **Ned Tijdschr Geneeskd** 1985 Aug 17;129(33):1603–4 (Dut)

[Inflammatory stenoses of the rectal anastomosis: a complication of nonresorbable suture material] Kux M, et al. **Chirurg** 1986 Feb;57(2):77–82 (Eng. Abstr.) (Ger)

[Disorders of the blood supply of duodenal stump and their prevention] Bashniak VV. **Vestn Khir** 1985 Jun;134(6):33–7 (Eng. Abstr.) (Rus)

ECONOMICS

Customized suture packs. A method for containing costs. Kirk NJ. **AORN J** 1986 Mar;43(3):655, 658–63

STANDARDS

An evaluation of ultrastrong polyethylene fiber as an ophthalmic suture. Cohan BE, et al. **Arch Ophthalmol** 1985 Dec;103(12):1816–21

Influence of the suture diameter on the tensile strength of polypropylene monofilaments and its relationship to the USP specification. Kusy RP, et al. **J Biomed Mater Res** 1984 Sep;18(7):781–7

Polypropylene suture—is it safe? Calhoun TR, et al. **J Vasc Surg** 1986 Jul;4(1):98–100

Absorbable versus nonabsorbable sutures to prevent postoperative stretching of wound area. Nordström RE, et al. **Plast Reconstr Surg** 1986 Aug;78(2):186–90

Effect of lubrication of frictional properties of sutures. Gupta

BS, et al. **Surg Gynecol Obstet** 1985 Nov;161(5):416–8
[Suture materials] Hansen H. **Chirurg** 1986 Feb;57(2):53–7 (Ger)
[Comparative evaluation of suture materials for the closure of facial wounds] Kumar SA, et al. **Stomatologiia (Mosk)** 1986 Mar–Apr;65(2):44–6 (Eng. Abstr.) (Rus)

VETERINARY

Comparison of suture materials and suture patterns for inverting intestinal anastomosis of the jejunum in the horse. Dean PW, et al. **Am J Vet Res** 1985 Oct;46(10):2072–7

SUXAMETHONIUM see SUCCINYLCHOLINE

SV40 VIRUS

Two simian virus 40 (SV40)–transformed cell lines from the mouse striatum and mesencephalon presenting astrocytic characters. III. A light and electron microscopic study. Autillo–Touati A, et al. **Brain Res** 1986 Apr;391(1):33–47
Two simian virus 40 (SV40)–transformed cell lines from the mouse striatum and mesencephalon presenting astrocytic characters. II. Interactions with mesencephalic neurons. Mallat M, et al. **Brain Res** 1986 Apr;391(1):23–31
A 105 000 dalton antigen of transformed mouse cells is a stress protein. Rose TM, et al. **Can J Biochem Cell Biol** 1985 Dec;63(12):1258–64
Proliferation–dependent regulation of base excision repair in normal and SV–40 transformed human cells. Dehazya P, et al. **Carcinogenesis** 1986 Apr;7(4):621–5
Transformation of human keratinocytes by SV40 virus alters their response to the tumor promoter TPA. Delescluse C, et al. **Carcinogenesis** 1986 Apr;7(4):551–8
Defective post–replication recovery and u.v. sensitivity in a simian virus 40–transformed Indian muntjac cell line. Pillidge L, et al. **Int J Radiat Biol** 1986 Jul;50(1):119–36
Reinitiation of cellular DNA synthesis in BrdU–selected nondividing senescent WI–38 cells by simian virus 40 infection. Gorman SD, et al. **J Cell Physiol** 1985 Oct; 125(1):122–6
Effect of 1,3,6–triaminohexane and 1,4,7–triaminoheptane on growth and polyamine metabolism in SV–3T3 cells treated with 2–difluoromethylornithine. McGovern KA, et al. **J Cell Physiol** 1986 May;127(2):311–6
SV40–transformed human fibroblasts: evidence for cellular aging in pre–crisis cells. Stein GH. **J Cell Physiol** 1985 Oct;125(1):36–44
Expression of pemphigoid antigen by SV40–transformed human keratinocytes. Okada N, et al. **J Invest Dermatol** 1986 Apr;86(4):399–401
Filopodia number increases with age and quiescence in populations of normal WI–38 cells, and is correlated with drug–induced changes in proliferation in both normal and transformed populations. Stanulis–Praeger BM. **Mech Ageing Dev** 1986 Feb;33(3):221–35
Etiology of intracranial tumors [letter] Geissler E. **Surg Neurol** 1985 Dec;24(6):685

ANALYSIS

Purification of SV40 T–antigen by SV40 DNA–sepharose affinity chromatography. Milavetz B, et al. **Biochem Biophys Res Commun** 1986 Jan 29;134(2):915–21
A new sensitive target–bound DNA binding assay for SV40 large T antigen. Hinzpeter M, et al. **Virology** 1986 Jan 15; 148(1):159–67

DRUG EFFECTS

In vivo effects of cis– and trans–diamminedichloroplatinum(II) on SV40 chromosomes: differential repair, DNA–protein cross–linking, and inhibition of replication. Ciccarelli RB, et al. **Biochemistry** 1985 Dec 17;24(26):7533–40

ENZYMOLOGY

The kinase activity of SV40 large T antigen is mediated by a cellular kinase. Walser A, et al. **EMBO J** 1986 May; 5(5):883–9
Binding studies of SV40 T–antigen to SV40 binding site II. Gottlieb P, et al. **Nucleic Acids Res** 1985 Sep 25; 13(18):6621–34

GENETICS

Inhibition of SV40 DNA replication in vitro by 1–N–acyl–3''–N–(trifluoroacetyl) kanamycin. Yamaki H, et al. **Biochem Biophys Res Commun** 1986 Apr 14;136(1):322–8
Analysis of hexose transport in untransformed and sarcoma virus–transformed mouse 3T3 cells by photoaffinity binding of cytochalasin B. Kitagawa K, et al. **Biochim Biophys Acta** 1985 Nov 21;821(1):63–6
Splicing and polyadenylylation at cryptic sites in RNA transcribed from pSV2–neo. Nordstrom JL, et al. **Biochim Biophys Acta** 1986 Jun 20;867(3):152–62
Expression of a bacterial repair gene in mammalian cells. Backendorf C, et al. **Biochimie** 1985 Mar–Apr; 67(3–4):399–403
Survival and mutagenesis of ultraviolet irradiated simian virus 40 in foetal human fibroblasts. Gentil A, et al. **Biochimie** 1985 Mar–Apr;67(3–4):393–8
Transformation of chromosome breakage syndrome fibroblasts by SV40 DNA transfection. Shaham M, et al. **Cancer Genet Cytogenet** 1986 Feb 1;20(1–2):137–47
Elevated amounts of a 7S nuclear RNA with sequence homology to a tumor virus promoter in transformed and tumorigenic cells. Krause MO, et al. **Cancer Res** 1986 Apr; 46(4 Pt 2):1990–3
Transformation of rat hepatocytes by transfection with simian virus 40 DNA to yield proliferating differentiated cells. Woodworth C, et al. **Cancer Res** 1986 Aug;46(8):4018–26
Induction of microchromosomes by chemical carcinogens correlates with SV40–DNA amplification in SV40–transformed Chinese hamster cells. Vleminckx C, et al. **Carcinogenesis** 1986 Feb;7(2):229–34
The use of psoralen–modified DNA to probe the mechanism of enhancer action. Courey AJ, et al. **Cell** 1986 May 23; 45(4):567–74
The SV40 enhancer is composed of multiple functional elements that can compensate for one another. Herr W, et al. **Cell** 1986 May 9;45(3):461–70
High frequency of homologous recombination in mammalian cells between endogenous and introduced SV40 genomes. Jasin M, et al. **Cell** 1985 Dec;43(3 Pt 2):695–703
Induction of nuclear transport with a synthetic peptide homologous to the SV40 T antigen transport signal. Lanford RE, et al. **Cell** 1986 Aug 15;46(4):575–82
Transcription of the human beta–globin gene is stimulated by an SV40 enhancer to which it is physically linked but topologically uncoupled. Plon SE, et al. **Cell** 1986 May 23;45(4):575–80
Negative control of DNA replication in composite SV40–bovine papilloma virus plasmids. Roberts JM, et al. **Cell** 1986 Aug 29;46(5):741–52
An altered DNA conformation in origin region I is a determinant for the binding of SV40 large T antigen. Ryder K, et al. **Cell** 1986 Mar 14;44(5):719–25
Fusion of SV40–induced endocytotic vacuoles with the nuclear membrane. Nishimura T, et al. **Cell Struct Funct** 1986 Jun;11(2):135–41
T–antigen is the only detectable protein on the nucleosome–free origin region of isolated simian virus 40 minichromosomes. Weiss E, et al. **Chromosoma** 1985; 92(5):391–400
The regulation of gene expression in murine teratocarcinoma cells. Gorman CM, et al. **Cold Spring Harbor Symp Quant Biol** 1985;50:701–6
Elastase I promoter directs expression of human growth hormone and SV40 T antigen genes to pancreatic acinar cells in transgenic mice. Ornitz DM, et al. **Cold Spring Harbor Symp Quant Biol** 1985;50:399–409
Viral enhancer activity in teratocarcinoma cells. Sassone–Corsi P, et al. **Cold Spring Harbor Symp Quant Biol** 1985;50:747–52
A comparison of several lines of transgenic mice containing the SV40 early genes. Van Dyke T, et al. **Cold Spring Harbor Symp Quant Biol** 1985;50:671–8
Attenuation may regulate gene expression in animal viruses and cells. Aloni Y, et al. **CRC Crit Rev Biochem** 1985; 18(4):327–83 (218 ref.)
All six GC–motifs of the SV40 early upstream element contribute to promoter activity in vivo and in vitro. Barrera–Saldana H, et al. **EMBO J** 1985 Dec 30; 4(13B):3839–49
Ultraviolet radiation inactivates SV40 by disrupting at least four genetic functions. Brown TC, et al. **EMBO J** 1986 Jan;5(1):197–203
Inhibition of DNA synthesis by aphidicolin induces supercoiling in simian virus 40 replicative intermediates. Dröge P, et al. **EMBO J** 1985 Dec 1;4(12):3241–6
Structural prerequisites of simian virus 40 large T antigen for the maintenance of cell transformation. Montenarh M, et al. **EMBO J** 1985 Nov;4(11):2941–7
The abnormal location of cytoplasmic SV40 large T is not caused by failure to bind to DNA or to p53. Paucha E, et al. **EMBO J** 1985 Dec 1;4(12):3235–40
DNA conformation and chromatin organization of a d(CA/GT)30 sequence cloned in SV40 minichromosomes. Rodriguez–Campos A, et al. **EMBO J** 1986 Jul; 5(7):1727–34
Metal–dependent SV40 viruses containing inducible enhancers from the upstream region of metallothionein genes. Serfling E, et al. **EMBO J** 1985 Dec 30; 4(13B):3851–9
The SV40 enhancer influences viral late transcription in vitro and in vivo but not on replicating templates. Shaw PE, et al. **EMBO J** 1985 Dec 1;4(12):3247–52
SV40 enhancer activation during retinoic acid–induced differentiation of F9 embryonal carcinoma cells. Sleigh MJ, et al. **EMBO J** 1985 Dec 30;4(13B):3831–7
T antigen and template requirements for SV40 DNA replication in vitro. Stillman B, et al. **EMBO J** 1985 Nov; 4(11):2933–9
Highly purified fibroblast–derived growth factor, an SV40–transformed fibroblast–secreted mitogen, is closely related to platelet–derived growth factor. Stroobant P, et al. **EMBO J** 1985 Aug;4(8):1945–9
Multiple sequence motifs are involved in SV40 enhancer function. Zenke M, et al. **EMBO J** 1986 Feb;5(2):387–97
Epithelial HBL–100 cell line derived from milk of an apparently healthy woman harbours SV40 genetic information. Caron de Fromentel C, et al. **Exp Cell Res** 1985 Sep;160(1):83–94
Efficient immortalization and morphological transformation of human fibroblasts by transfection with SV40 DNA linked to a dominant marker. Mayne LV, et al. **Exp Cell Res** 1986 Feb;162(2):530–8
Maintenance of expression of differentiated function of kidney cells following transformation by SV40 early region DNA. Scott DM, et al. **Exp Cell Res** 1986 Oct;166(2):391–8
Chemical crosslinking of different forms of the simian virus 40 large T antigen using bifunctional reagents. Dietrich JB. **FEBS Lett** 1986 Jun 9;201(2):311–4
Transient assay, by [3H]guanine incorporation of Escherichia coli xanthine–guanine phosphoribosyl transferase (GPT) in transfected human fibroblasts. Burke JF, et al. **Gene** 1985; 40(1):93–8
Nuclear localization of poliovirus capsid polypeptide VP1 expressed as a fusion protein with SV40–VP1. Wychowski C, et al. **Gene** 1985;37(1–3):63–71
Stable stem–loop and cruciform DNA structures: isolation of mutants with rearrangements of the palindromic sequence at the simian virus 40 replication origin. Nobile C, et al. **Intervirology** 1986;25(3):158–71
Sequence–specific interaction of histones with the simian virus 40 enhancer region in vitro. Clarke MF, et al. **J Biol Chem** 1985 Oct 15;260(23):12394–7
The role of single–strand breaks in the catenation reaction catalyzed by the rat type I topoisomerase. McCoubrey WK Jr, et al. **J Biol Chem** 1986 Apr 15;261(11):5130–7
Analysis of stable and unstable viral forms in SV40–infected human keratinocytes. Naimski P, et al. **J Cell Biochem** 1985; 29(2):95–103
Accumulation of cells with 4N DNA content at nonpermissive temperature in rat embryo diploid cells transformed by tsA mutant of simian virus 40. Okuda A, et al. **J Cell Physiol** 1986 May;127(2):303–10
Cell growth and differentiation in vitro in mouse macrophages transformed by a tsA mutant of simian virus 40. III. Large T antigen level and cell proliferation and survival in an SV40 tsA640–transformed macrophage line. Tanigawa T, et al. **J Cell Physiol** 1985 Oct;125(1):19–22
Sequences from polyomavirus and simian virus 40 large T genes capable of immortalizing primary rat embryo fibroblasts. Asselin C, et al. **J Virol** 1985 Dec;56(3):958–68
A recombinant murine retrovirus for simian virus 40 large T cDNA transforms mouse fibroblasts to anchorage–independent growth. Brown M, et al. **J Virol** 1986 Oct;60(1):290–3
Expression of simian virus 40 early and late genes in mouse oocytes and embryos. Chalifour LE, et al. **J Virol** 1986 Sep;59(3):619–27
Formation of deletions after initiation of simian virus 40 replication: influence of packaging limit of the capsid. Chang XB, et al. **J Virol** 1986 May;58(2):393–401
Properties of the simian virus 40 (SV40) large T antigens encoded by SV40 mutants with deletions in gene A. Cole CN, et al. **J Virol** 1986 Feb;57(2):539–46
Functional interactions of the simian virus 40 core origin of replication with flanking regulatory sequences. DeLucia AL, et al. **J Virol** 1986 Jan;57(1):138–44
Amplification of a bovine papillomavirus–simian virus 40 chimera. DuBridge RB, et al. **J Virol** 1985 Nov;56(2):625–7
Effects of the adenovirus 2 late promoter on simian virus 40 transcription and replication. Grass DS, et al. **J Virol** 1986 Jan;57(1):129–37
Structure of simian virus 40–adeno–associated virus recombinant genomes. Grossman Z, et al. **J Virol** 1985 Nov; 56(2):457–65
Similar regulation of the synthesis of adenovirus fiber and of simian virus 40–specific proteins encoded by the helper–defective Ad2+SV40 hybrid viruses Ad2+ND5 and Ad2+ND4del. Klockmann U, et al. **J Virol** 1985 Dec; 56(3):821–9
Immunologic selection of simian virus 40 (SV40) T–antigen–negative tumor cells which arise by excision of early SV40 DNA. Mora PT, et al. **J Virol** 1986 Sep; 59(3):628–34
Spontaneous deletion mutants resulting from a frameshift insertion in the simian virus 40 agnogene. Nomura S, et al. **J Virol** 1986 Apr;58(1):165–72
Simian virus 40 origin DNA–binding domain on large T antigen. Paucha E, et al. **J Virol** 1986 Jan;57(1):50–64
Expression of the late gene of simian virus 40 under the control of the simian virus 40 early–region promoter in monkey and mouse cells. Rao VN, et al. **J Virol** 1986 Jan; 57(1):91–100
Synthesis of the Ad2+ND5–specified 42K protein is regulated posttranscriptionally in abortively infected monkey cells. Silverman L, et al. **J Virol** 1985 Dec; 56(3):814–20
Sequences involved in determining the locations of the 5' ends of the late RNAs of simian virus 40. Somasekhar MB, et al. **J Virol** 1985 Dec;56(3):1002–13
Expression of 100,000–Mr simian virus 40 (SV40) tumor antigen in mouse fibroblasts transfected with replication–defective SV40 genomes. Verderame MF, et al. **J Virol** 1986 Mar;57(3):857–63
Functional implications of oligomerization of simian virus 40 large T antigen during lytic virus infection. Wachter M, et al. **J Virol** 1985 Nov;56(2):520–6
The level of expression of adenovirus type 2 transforming genes governs sensitivity to nonspecific immune cytolysis and other phenotypic properties of adenovirus 2–simian virus 40–transformed cell hybrids. Akagi K, et al. **Mol Cell Biol** 1985 Aug;5(8):1870–7

Simian virus 40 minichromosomes contain torsionally strained DNA molecules. Barsoum J, et al. **Mol Cell Biol** 1985 Nov;5(11):3048–57

New host cell system for regulated simian virus 40 DNA replication. Gerard RD, et al. **Mol Cell Biol** 1985 Nov; 5(11):3231–40

Definition of essential sequences and functional equivalence of elements downstream of the adenovirus E2A and the early simian virus 40 polyadenylation sites. Hart RP, et al. **Mol Cell Biol** 1985 Nov;5(11):2975–83

Analysis of an activatable promoter: sequences in the simian virus 40 late promoter required for T-antigen-mediated trans activation. Keller JM, et al. **Mol Cell Biol** 1985 Aug; 5(8):1859–69

Regulation of simian virus 40 gene expression in Xenopus laevis oocytes. Michaeli T, et al. **Mol Cell Biol** 1985 Aug; 5(8):2019–28

Isolation of a simian virus 40 T-antigen-positive, transformation-resistant cell line by indirect selection. Ryan KW, et al. **Mol Cell Biol** 1985 Dec;5(12):3577–82

Identification of a sequence element on the 3' side of AAUAAA which is necessary for simian virus 40 late mRNA 3'-end processing. Sadofsky M, et al. **Mol Cell Biol** 1985 Oct;5(10):2713–9

Isolation of cellular genes differentially expressed in mouse NIH 3T3 cells and a simian virus 40-transformed derivative: growth-specific expression of VL30 genes. Singh K, et al. **Mol Cell Biol** 1985 Oct;5(10):2590–8

Replication and supercoiling of simian virus 40 DNA in cell extracts from human cells. Stillman BW, et al. **Mol Cell Biol** 1985 Aug;5(8):2051–60

Topological requirements for homologous recombination among DNA molecules transfected into mammalian cells. Wake CT, et al. **Mol Cell Biol** 1985 Aug;5(8):2080–9

Enhanced induction of SV40 replication from transformed rat cells by fusion with UV-irradiated normal and repair-deficient human fibroblasts. van der Lubbe JL, et al. **Mutat Res** 1986 Mar;165(2):47–56

Simian virus 40-mediated cis induction of the Xenopus beta-globin DNase I hypersensitive site. Enver T, et al. **Nature** 1985 Dec 19–1986 Jan 1;318(6047):680–3

Requirement of stereospecific alignments for initiation from the simian virus 40 early promoter. Takahashi K, et al. **Nature** 1986 Jan 9–15;319(6049):121–6

SV40 vector with early gene replacement efficient in transducing exogenous DNA into mammalian cells. Asano M, et al. **Nucleic Acids Res** 1985 Dec 9;13(23):8573–86

Requirement of A-A-U-A-A-A and adjacent downstream sequences for SV40 early polyadenylation. Kessler MM, et al. **Nucleic Acids Res** 1986 Jun 25;14(12):4939–52

In vitro splicing of simian virus 40 early pre mRNA. Noble JC, et al. **Nucleic Acids Res** 1986 Feb 11;14(3):1219–35

Regulation of gene amplification and expression in cells that constitutively express a temperature sensitive SV40 T-antigen. Portela A, et al. **Nucleic Acids Res** 1985 Nov 25;13(22):7913–27

Improved transfection of CV-1 and COS 1 cells using reduced serum medium. Saffer JD, et al. **Nucleic Acids Res** 1986 Apr 25;14(8):3604

Functional activity and chromatin configuration of SV40 enhancer injected in Xenopus laevis oocytes. Spinelli G, et al. **Nucleic Acids Res** 1985 Nov 25;13(22):8065–81

Transcriptionally active SV40 minichromosomes are restriction enzyme sensitive and contain a nucleosome-free origin region. Weiss E, et al. **Nucleic Acids Res** 1986 Mar 11;14(5):2045–58

Enhanced susceptibility to HPD-sensitized phototoxicity and correlated resistance to trypsin detachment in SV40 transformed IMR-90 cells. Denstman SC, et al. **Photochem Photobiol** 1986 Feb;43(2):145–7

A block in initiation of simian virus 40 assembly results in the accumulation of minichromosomes containing an exposed regulatory region. Ambrose C, et al. **Proc Natl Acad Sci USA** 1986 May;83(10):3287–91

Interaction between two transcriptional control sequences required for tumor-antigen-mediated simian virus 40 late gene expression. Brady J, et al. **Proc Natl Acad Sci USA** 1985 Nov;82(21):7299–303

Activation of gene expression is adversely affected at high multiplicities of linked simian virus 40 enhancer. Kumar R, et al. **Proc Natl Acad Sci USA** 1986 May;83(10):3199–203

Efficient introduction of plasmid DNA into human hemopoietic cells by encapsidation in simian virus 40 pseudovirions. Oppenheim A, et al. **Proc Natl Acad Sci USA** 1986 Sep;83(18):6925–9

Simian virus 40 DNA replication in vitro: study of events preceding elongation of chains. Wobbe CR, et al. **Proc Natl Acad Sci USA** 1986 Jul;83(13):4612–6

Cellular targets for SV40 large T-antigen. Lane DP, et al. **Proc R Soc Lond [Biol]** 1985 Oct 22;226(1242):25–42

The regulation of cellular transcription by Simian virus 40 large T-antigen. Rigby PW, et al. **Proc R Soc Lond [Biol]** 1985 Oct 22;226(1242):15–23

The nuclear location signal. Smith AE, et al. **Proc R Soc Lond [Biol]** 1985 Oct 22;226(1242):43–58

The use of animal virus or shuttle vectors to characterize mutagenesis in mammalian cells. James M, et al. **Prog Clin Biol Res** 1986;209A:411–21

SV40 promoters and their regulation. Das GC, et al. **Prog Nucleic Acid Res Mol Biol** 1985;32:217–36 (134 ref.)

DNA-mediated gene transfer efficiency is enhanced by ionizing and ultraviolet irradiation of rodent cells in vitro. I. Kinetics of enhancement. Perez CF, et al. **Radiat Res** 1985 Nov;104(2 Pt 1):200–13

Association of crossover points with topoisomerase I cleavage sites: a model for nonhomologous recombination. Bullock P, et al. **Science** 1985 Nov 22;230(4728):954–8

Bidirectional SV40 transcription mediated by tandem Sp1 binding interactions. Gidoni D, et al. **Science** 1985 Nov 1;230(4725):511–7

In vivo competition between a metallothionein regulatory element and the SV40 enhancer. Scholer H, et al. **Science** 1986 Apr 4;232(4746):76–80

Immortalization of xeroderma pigmentosum cells by simian virus 40 DNA having a defective origin of DNA replication. Canaani D, et al. **Somatic Cell Mol Genet** 1986 Jan;12(1):13–20

Transactivation of BKV and SV40 early promoters by BKV and SV40 T-antigens. Caputo A, et al. **Virology** 1986 Jul 30;152(2):459–65

Differential requirement for SV40 early genes in immortalization and transformation of primary rat and human embryonic cells. Chang LS, et al. **Virology** 1985 Oct 30;146(2):246–61

Electron microscopic evidence for the cruciform structure in intracellular SV40 DNA. Hsu MT. **Virology** 1985 Jun; 143(2):617–21

Replicative functions of the SV40(cT)-3 mutant defective for nuclear transport of T antigen. Lanford RE, et al. **Virology** 1985 Nov;147(1):72–80

Identification of a gene function of herpes simplex virus type 1 essential for amplification of simian virus 40 DNA sequences in transformed hamster cells. Matz B, et al. **Virology** 1984 Apr 30;134(2):328–37

Analysis of the origin-specific nucleosome-free region in SV40 encapsidation intermediates. Milavetz B. **Virology** 1986 Sep;153(2):310–3

Identification of nuclear matrix proteins tightly bound to soluble simian virus 40 chromosomes. Milavetz BI, et al. **Virology** 1984 Apr 30;134(2):406–20

The SV40 large T-p53 complex: evidence for the presence of two immunologically distinct forms of p53. Milner J, et al. **Virology** 1985 Nov;147(1):206–9

Isolation of a papovavirus with a bipartite genome containing unlinked SV40 and BKV sequences. O'Neill FJ, et al. **Virology** 1985 May;143(1):75–87

Vaccinia virus, herpes simplex virus, and carcinogens induce DNA amplification in a human cell line and support replication of a helpervirus dependent parvovirus. Schlehofer JR, et al. **Virology** 1986 Jul 15;152(1):110–7

Phospholipid liposomes enhance the infectivity of purified simian virus 40 virions. Shimura H, et al. **Virology** 1985 Jul 15;144(1):268–72

Influence of amino acids encoded in the 3'open reading frame of the SV40 early region on transformation and antigenicity of large T antigen. Tevethia MJ, et al. **Virology** 1986 Apr 30;150(2):361–72

Expression of proto-oncogenes in normal and papovavirus-transformed or -infected rat fibroblasts. Winberry L, et al. **Virology** 1985 Nov;147(1):154–68

[Mutagenic effect of the SV40 oncogene: induction of resistance to 6-mercaptopurine and serum independence] Marshak MI, et al. **Genetika** 1986 Jun;22(6):957–65 (Eng. Abstr.) **(Rus)**

[Structuro-functional organization of the SV40 virus chromosome. IV. Specific organization of regulatory sequences of the SV40 genome in the mini-chromosome] Shakhov AN, et al. **Mol Biol (Mosk)** 1985 Jul-Aug; 19(4):926–35 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

P53-transformation-related protein: kinetics of synthesis and accumulation in SV40-infected primary mouse kidney cell cultures. Duthu A, et al. **Virology** 1985 Dec;147(2):275–86

Activation of purified simian virus 40 virions by free amino-group containing phospholipid liposomes. Shimura H, et al. **Virology** 1986 Jul 15;152(1):76–86

IMMUNOLOGY

Sera collected before introduction of contaminated polio vaccine contain antibodies against SV40. Geissler E, et al. **Acta Virol (Praha)** 1985 Sep;29(5):420–3

Association of phosphorylated simian virus 40 T-antigen with subnuclear fractions of infected and transformed cells. Jones C, et al. **Exp Cell Res** 1985 Sep;160(1):158–70

Serum-dependent control of entry into S phase of next generation in rat 3Y1 fibroblasts. Effect of large T antigen of simian virus 40. Okuda A, et al. **Exp Cell Res** 1986 Mar; 163(1):127–34

Immunization with SV40-transformed cells yields mainly MHC-restricted monoclonal antibodies. Froscher BG, et al. **J Exp Med** 1986 Jul 1;164(1):196–210

Human papilloma virus DNA replication mediated by simian virus 40 T antigen in trans. Lehn H. **J Gen Virol** 1986 Aug;67 (Pt 8):1581–9

Large T antigens of simian virus 40 and polyomavirus efficiently establish primary fibroblasts. Jat PS, et al. **J Virol** 1986 Sep;59(3):746–50

Abrogation of simian virus 40 DNA-mediated transformation of primary C57BL/6 mouse embryo fibroblasts by exposure to a simian virus 40-specific cytotoxic T-lymphocyte clone. Karjalainen HE, et al. **J Virol** 1985 Nov;56(2):373–7

Cellular proteins which can specifically associate with simian virus 40 small t antigen. Murphy CI, et al. **J Virol** 1986 Sep;59(3):692–702

DNA-binding region of the simian virus 40 tumor antigen. Simmons DT. **J Virol** 1986 Mar;57(3):776–85

Free and viral chromosome-bound simian virus 40 T antigen: changes in reactivity of specific antigenic determinants during lytic infection. Tack LC, et al. **J Virol** 1986 May; 58(2):635–46

Identification of the p53 protein domain involved in formation of the simian virus 40 large T-antigen-p53 protein complex. Tan TH, et al. **J Virol** 1986 Sep; 59(3):574–83

Ability of a T-antigen transport-defective mutant of simian virus 40 to immortalize primary cells and to complement polyomavirus middle T in tumorigenesis. Vass-Marengo J, et al. **J Virol** 1986 Sep;59(3):655–9

An enzyme-linked immunosorbent assay, ELISA, for SV40 antigen detection. Edevåg G, et al. **J Virol Methods** 1985 Aug;11(4):347–55

Modification of simian virus 40 large tumor antigen by glycosylation. Jarvis DL, et al. **Virology** 1985 Mar; 141(2):173–89

An immunoaffinity purification procedure for SV40 large T antigen. Simanis V, et al. **Virology** 1985 Jul 15; 144(1):88–100

[Ability of virus SV40 T-antigen to simulate the effect of specific T lymphocyte growth factor—interleukin-2] Kulikov VV, et al. **Biokhimiia** 1986 Jun;51(6):931–6 (Eng. Abstr.) **(Rus)**

METABOLISM

Modification of transmembrane electron transport activity in plasma membranes of simian virus 40 transformed pineal cells. Sun IL, et al. **Biochim Biophys Acta** 1986 May 29; 886(3):327–36

Efficient and accurate in vitro processing of simian virus 40-associated small RNA. Hay N, et al. **J Virol** 1986 Jan; 57(1):402–7

DNA-binding properties of the major structural protein of simian virus 40. Soussi T. **J Virol** 1986 Sep;59(3):740–2

Neoplastic conversion of human keratinocytes by adenovirus 12-SV40 virus and chemical carcinogens. Rhim JS, et al. **Science** 1986 Apr 18;232(4748):385–8

Biochemical properties of a transforming nonkaryophilic T antigen of SV40. Fischer-Fantuzzi L, et al. **Virology** 1986 Aug;153(1):87–95

Identification and biochemical analysis of DNA replication-defective large T antigens from SV40-transformed cells. Huber B, et al. **Virology** 1985 Oct 30;146(2):188–202

The synthesis and transport of SV40 structural proteins. Lin W, et al. **Virology** 1986 Oct 15;154(1):108–20

Phosphorylation of simian virus 40 large T antigen: cytoplasmic and nuclear phophorylation sites differ in their metabolic stability. Scheidtmann KH. **Virology** 1986 Apr 15;150(1):85–95

Kinetics of nuclear transport and oligomerization of simian virus 40 large T antigen. Schickedanz J, et al. **Virology** 1986 Jan 15;148(1):47–57

PATHOGENICITY

Human epithelial cell carcinogenesis: combined action of DNA and RNA tumor viruses produces malignant transformation of primary human epidermal keratinocytes. Rhim JS, et al. **Carcinog Compr Surv** 1985;9:57–66

Induction of tumorigenesis and chromosomal abnormalities in human amniocytes infected with simian virus 40 and Kirsten sarcoma virus. Walen KH, et al. **In Vitro Cell Dev Biol** 1986 Feb;22(2):57–65

An SV40 mutant T antigen does not bind the SV40 viral origin. Sompayrac L, et al. **Virology** 1986 Sep; 153(2):297–309

PHYSIOLOGY

Studies on the SV40-like papovavirus SV40-GBM. III. Propagation at low multiplicities of infection in various human cell lines. Scherneck S, et al. **Acta Virol (Praha)** 1986 Mar;30(2):119–25

Two simian virus 40 (SV40)-transformed cell lines from the mouse striatum and mesencephalon presenting astrocytic characters. I. Immunological and pharmacological properties. Moura Neto V, et al. **Brain Res** 1986 Apr; 391(1):11–22

Chromatin assembly during SV40 DNA replication in vitro. Stillman B. **Cell** 1986 May 23;45(4):555–65

Inhibition of SV40 DNA replication by benzo[a]pyrene diol epoxide adducts: two recovery modes. Lockhart ML, et al. **Chem Biol Interact** 1986 May;58(2):217–31

Large T antigen-rich viral DNA replication loci in SV40-infected monkey kidney cells. Harper F, et al. **Exp Cell Res** 1985 Dec;161(2):434–44

SV40 transformed fibroblasts recognize the same 140 kD fibronectin chemotactic fragment as non-transformed cells. Albini A, et al. **Experientia** 1985 Dec 15;41(12):1591–3

Alteration in cyclic adenosine 3':5'-monophosphate binding proteins during the phenotypic change of mouse macrophages transformed by a temperature-sensitive mutant (tsA640) of SV40. Takayama H, et al. **J Cell Physiol** 1986 Apr;127(1):162–6

Analysis of pp60c-src protein kinase activity in hamster embryo cells transformed by simian virus 40, human

adenoviruses, and bovine papillomavirus 1. Amini S, et al. J Virol 1986 Jan;57(1):357–61
Replication and transformation functions of in vitro–generated simian virus 40 large T antigen mutants. Rutila JE, et al. J Virol 1986 May;58(2):526–35
Invasiveness in primary intracranial tumors: Part 1. An experimental model using cloned SV40 virus–produced hamster brain tumors. Walsh JW, et al. Neurosurgery 1986 Aug;19(2):185–200
Role of DNA polymerase alpha and DNA primase in simian virus 40 DNA replication in vitro. Murakami Y, et al. Proc Natl Acad Sci USA 1986 May;83(9):2869–73
DNA binding site for a factor(s) required to initiate simian virus 40 DNA replication. Yamaguchi M, et al. Proc Natl Acad Sci USA 1986 Mar;83(6):1646–50

RADIATION EFFECTS

Timing of ultraviolet light induced mutagenesis in simian virus 40 relative to viral DNA replication in monkey cells. Cornelis JJ, et al. MGG 1985;201(3):421–5

ULTRASTRUCTURE

Cryo–electron microscopy of vitrified SV40 minichromosomes: the liquid drop model. Dubochet J, et al. EMBO J 1986 Mar;5(3):519–28

SWALLOWING see DEGLUTITION

SWAMP FEVER see EQUINE INFECTIOUS ANEMIA

SWAMP FEVER VIRUS see EQUINE INFECTIOUS ANEMIA VIRUS

SWAYBACK see under SHEEP DISEASES

SWEAT

Woman allergic to husband's sweat and semen. Freeman S. Contact Dermatitis 1986 Feb;14(2):110–2
Use of bromphenol blue printing method for detecting sweat on the palm. Sakurai M. J Hand Surg [Br] 1986 Feb; 11(1):125–30

ANALYSIS

Malnutrition: a cause of elevated sweat chloride concentration. Beck R, et al. Acta Paediatr Scand 1986 Jul; 75(4):639–44
Sweat sodium related to amount of sweat after sweat test in children with and without cystic fibrosis. Hjelm M, et al. Acta Paediatr Scand 1986 Jul;75(4):652–6
Iron losses in sweat. Brune M, et al. Am J Clin Nutr 1986 Mar;43(3):438–43
Isolation and characterization of latherin, a surface–active protein from horse sweat. Beeley JG, et al. Biochem J 1986 May 1;235(3):645–50
Sweat collection from athletes. Pilardeau PA, et al. Br J Sports Med 1985 Dec;19(4):197–8
Use of a new sample–collection device (Macroduct) in anion analysis of human sweat. Cole DE, et al. Clin Chem 1986 Jul;32(7):1375–8
Anion–exchange chromatography to determine the concentration of chloride in sweat for diagnosis of cystic fibrosis. Miller ME, et al. Clin Chem 1985 Oct; 31(10):1715–6
Aging studies on fingerprint residues using thin–layer and high performance liquid chromatography. Dikshitulu YS, et al. Forensic Sci Int 1986 Jul 31;31(4):261–6
The use of sweat osmolality in the diagnosis of cystic fibrosis. Franckx J, et al. Helv Paediatr Acta 1984 Oct;39(4):347–53
Abnormally high sweat osmolality in children with Down's syndrome. Symon DN, et al. J Ment Defic Res 1985 Sep; 29 (Pt 3):257–61
Iodine intake of Japanese male university students: urinary iodine excretion of sedentary and physically active students and sweat iodine excretion during exercise. Suzuki M, et al. J Nutr Sci Vitaminol (Tokyo) 1985 Aug;31(4):409–15
Elevated sweat chloride levels in anorexia nervosa. Beck R, et al. J Pediatr 1986 Feb;108(2):260–2
Measurement of sweat osmolality by microosmometry [letter] Gouyon JB, et al. J Pediatr 1986 Jun;108(6):1036–7
Curiosity. Harris CM. J R Soc Med 1986 Jun;79(6):319–22
Neonatal screening for cystic fibrosis [letter] Lancet 1986 Mar 15;1(8481):615
Screening for cystic fibrosis [letter] Pediatr Pulmonol 1985 Mar–Apr;1(2):132
[Mercury levels of sweat. Its use in the diagnosis and treatment of poisoning] Shernon DL, et al. Ugeskr Laeger 1986 Jun 30;148(27):1682–3 (Eng. Abstr.) (Dan)
[Determination of electrolytes in sweat in the diagnosis of cystic fibrosis. A 23–year experience] Tagle S, et al. Rev Med Chil 1985 Aug;113(8):758–62 (Eng. Abstr.) (Spa)

ENZYMOLOGY

Proteolytic enzymes in human eccrine sweat: a screening study. Horie N, et al. Am J Physiol 1986 Apr;250(4 Pt 2):R691–8

METABOLISM

Sweat sulfate concentrations are decreased in cystic fibrosis. Cole DE, et al. Clin Chim Acta 1986 Mar 28;155(3):237–43
Thermal sweat lactate in cystic fibrosis and in normal children. Fellmann N, et al. Eur J Appl Physiol 1985; 54(5):511–6
Urea excretion in sweat during short–term efforts of high intensity. Górski J, et al. Eur J Appl Physiol 1985; 54(4):416–9
Origin of periodic acid–Schiff–reactive glycoprotein in human eccrine sweat. Yanagawa S, et al. J Appl Physiol 1986 May;60(5):1615–22
The pharmacokinetics of alcohol excretion in human perspiration. Brown DJ. Methods Find Exp Clin Pharmacol 1985 Oct;7(10):539–44
[Psoriasis and sodium chloride] Wanjura HJ. Derm Beruf Umwelt 1986 Mar–Apr;34(2):41–2 (Eng. Abstr.) (Ger)

SWEAT GLAND DISEASES

[A special aspect of perianal suppuration: Verneuil's disease] de Ville de Goyet J, et al. Acta Chir Belg 1985 Sep–Oct; 85(5):319–23 (Eng. Abstr.) (Fre)

BLOOD

Mediation of hidradenitis suppurativa by androgens. Mortimer PS, et al. Br Med J [Clin Res] 1986 Jan 25; 292(6515):245–8

COMPLICATIONS

Arthritis occurring with hidradenitis suppurativa [letter] Cohen J. J Rheumatol 1985 Dec;12(6):1208–9

DIAGNOSIS

An unusual case of hidradenitis presenting as bilateral breast abscesses [letter] Tran TB, et al. Plast Reconstr Surg 1985 Dec;76(6):969–70

ETIOLOGY

Neutrophilic eccrine hidradenitis associated with Hodgkin's disease and chemotherapy. A case report. Beutner KR, et al. Arch Dermatol 1986 Jul;122(7):809–11
Hidradenitis suppurativa: evidence for an endocrine abnormality. Harrison BJ, et al. Br J Surg 1985 Dec; 72(12):1002–4

FAMILIAL & GENETIC

A family study of hidradenitis suppurativa. Fitzsimmons JS, et al. J Med Genet 1985 Oct;22(5):367–73

PATHOLOGY

Are acrosyringia involved in the pathogenesis of "dyshidrosis"? Kutzner H, et al. Am J Dermatopathol 1986 Apr;8(2):109–16
Sweat gland necrosis in drug–induced coma: a light and direct immunofluorescence study. Rocamora A, et al. J Dermatol (Tokyo) 1986 Feb;13(1):49–53
Hidradenitis suppurativa: a case presentation and review of the literature. Thomas R, et al. Obstet Gynecol 1985 Oct; 66(4):592–5

SURGERY

Surgical management of massive perianal hidradenitis suppurativa. Ramasastry SS, et al. Ann Plast Surg 1985 Sep;15(3):218–23
Hidradenitis suppurativa—a clinical review. Watson JD. Br J Plast Surg 1985 Oct;38(4):567–9

THERAPY

[How do I treat dyshidrosiform eruptions?] Wolff HH, et al. Z Hautkr 1986 Jun 1;61(11):815–8 (Eng. Abstr.) (Ger)

SWEAT GLAND NEOPLASMS

Comedo naevus (a case report). Mittal R, et al. Indian J Dermatol 1984 Jul;29(3):23–6

COMPLICATIONS

Alopecia associated with syringomas [letter] Neuman KM, et al. J Am Acad Dermatol 1985 Sep;13(3):528–9

DIAGNOSIS

Rounds in podiatric dermatology. Port M. Clin Podiatr Med Surg 1986 Jul;3(3):413–25
Primary malignant tumors of the hand. Adeyemi–Doro HO, et al. J Hand Surg [Am] 1985 Nov;10(6 Pt 1):815–20

DRUG THERAPY

Response of multiple syringomas to isotretinoin. Mainitz M, et al. Acta Derm Venereol (Stockh) 1986;66(1):51–5
Chemotherapy of metastatic sweat gland carcinoma. A retrospective review. Coonley CJ, et al. Am J Clin Oncol 1985 Aug;8(4):307–11
Treatment of metastatic sweat gland carcinoma by a four drug combination chemotherapy: response in two cases. Mezger J, et al. Med Oncol Tumor Pharmacother 1986; 3(1):29–34

ETIOLOGY

[Basocellular epithelioma. Considerations on its histogenesis] Castelletto RH, et al. Med Cutan Ibero Lat Am 1985; 13(6):491–6 (Eng. Abstr.) (Spa)

IMMUNOLOGY

Lectin–binding sites in eccrine sweat gland tumours. Tamaki K, et al. Br J Dermatol 1986 Apr;114(4):451–8
Presence and distribution of carcinoembryonic antigen and lectin–binding sites in benign apocrine sweat gland tumours. Tamaki K, et al. Br J Dermatol 1985 Nov; 113(5):565–71
Immunohistochemical markers of sweat gland tumors. Maiorana A, et al. J Cutan Pathol 1986 Jun;13(3):187–96

PATHOLOGY

Inguinal sweat gland carcinoma with choriocarcinomatous differentiation. Nashiro K, et al. Acta Pathol Jpn 1986 Apr; 36(4):621–30
Apocrine carcinoma of the breast. A morphologic and immunocytochemical study. Eusebi V, et al. Am J Pathol 1986 Jun;123(3):532–41
Sclerosing sweat duct (syringomatous) carcinoma. Cooper PH, et al. Am J Surg Pathol 1985 Jun;9(6):422–33
Porokeratotic eccrine ostial and dermal duct nevus. Aloi FG, et al. Arch Dermatol 1986 Aug;122(8):892–5
Sclerosing carcinomas of sweat ducts (microcystic adnexal carcinoma). Cooper PH. Arch Dermatol 1986 Mar; 122(3):261–4
Malignant transformation of eccrine spiradenoma. Cooper PH, et al. Arch Dermatol 1985 Nov;121(11):1445–8
Enlarging ulcerated tumor on the back. Eccrine sweat gland carcinoma (SGC)—metastatic. Kantor GR, et al. Arch Dermatol 1986 May;122(5):585–6, 588–9
Pathologic quiz case 2. Hidrocystoma of apocrine gland derivation. Hagan WE, et al. Arch Otolaryngol 1985 Nov; 111(11):772–5
Eccrine spiradenoma of eyelid: case report. Ahluwalia BK, et al. Br J Ophthalmol 1986 Aug;70(8):580–3
Eccrine spiradenoma (a case report). Chatterjee A, et al. Indian J Dermatol 1984 Jul;29(3):36–8
Eccrine syringofibroadenoma (Mascaro). Report of two cases. Mehregan AH, et al. J Am Acad Dermatol 1985 Sep; 13(3):433–6
S–100 protein–positive cells in hidrocystomas. Tokura Y, et al. J Cutan Pathol 1986 Apr;13(2):102–10
Carcinoma of eccrine sweat gland: experience with chemotherapy, autopsy findings in a patient with metastatic eccrine carcinoma, and a review of the literature. Morris DM, et al. J Surg Oncol 1986 Jan;31(1):26–30 (17 ref.)
Sweat gland tumors with stromal haemangiomatous component: an undescribed type of skin tumors. Report of four cases. Hălălău F, et al. Morphol Embryol (Bucur) 1985 Jul–Sep;31(3):209–11
[Eruptive disseminated syringomas] Henkel U, et al. Dermatol Monatsschr 1986;172(3):173–6 (Eng. Abstr.) (Ger)
[Adenoid cystic sweat gland cancer] Beck HG, et al. Hautarzt 1986 Jul;37(7):405–9 (Eng. Abstr.) (Ger)
[Immunohistochemical detection of carcinoembryonic antigen and protein S–100 in sweat gland tumors] Haneke E. Z Hautkr 1986 Jan;61(1–2):32–46 (Eng. Abstr.) (Ger)
[Acrospiroma (clinico–morphological characteristics and histogenesis)] Poroshin KK, et al. Arkh Patol 1986; 48(2):70–6 (Eng. Abstr.) (Rus)
[Ceruminomas of the external auditory canal. Apropos of a case] León D, et al. An Otorrinolaringol Ibero Am 1985; 12(5):459–68 (Eng. Abstr.) (Spa)
[Nevus comedonicus] Suárez TI, et al. Med Cutan Ibero Lat Am 1985;13(5):371–6 (Eng. Abstr.) (Spa)

SECRETION

Eccrine adenocarcinoma of the vulva producing isolated alpha–subunit of glycoprotein hormones. Fukuma K, et al. Obstet Gynecol 1986 Feb;67(2):293–6

SURGERY

Syringoma: removal by electrodesiccation and curettage. Stevenson TR, et al. Ann Plast Surg 1985 Aug;15(2):151–4
Piezosurgery: a conservative approach to encapsulated skin lesions. Shelley ED, et al. Cutis 1986 Aug;38(2):123–6
Carbon dioxide (CO_2) laser vaporization of multiple facial syringomas. Wheeland RG, et al. J Dermatol Surg Oncol 1986 Mar;12(3):225–8

ULTRASTRUCTURE

Axillary sweat gland carcinoma versus amelanotic malignant melanoma. Erlandson RA. Ultrastruct Pathol 1985; 9(1–2):51–7
[A case of eccrine poroepithelioma] Ochiai T, et al. Nippon Hifuka Gakkai Zasshi 1986 May;96(6):585–94 (Jpn)

SWEAT GLANDS

Ectopic epibulbar Fordyce nodules in a buccal mucous

membrane graft. Levinson AW, et al. **Am J Ophthalmol** 1985 Nov 15;100(5):724–7

Apocrine carcinoma of the breast. A morphologic and immunocytochemical study. Eusebi V, et al. **Am J Pathol** 1986 Jun;123(3):532–41

The isolation of human sebaceous glands and apocrine sweat glands by shearing. Kealey T, et al. **Br J Dermatol** 1986 Feb;114(2):181–8

Lectin-binding sites in eccrine sweat gland tumours. Tamaki K, et al. **Br J Dermatol** 1986 Apr;114(4):451–8

Eccrine syringofibroadenoma (Mascaro). Report of two cases. Mehregan AH, et al. **J Am Acad Dermatol** 1985 Sep; 13(3):433–6

Humoral hypercalcemia of malignancy in nude mouse model of a canine adenocarcinoma derived from apocrine glands of the anal sac. Biochemical, histomorphometric, and ultrastructural studies. Rosol TJ, et al. **Lab Invest** 1986 Jun; 54(6):679–88

[A special aspect of perianal suppuration: Verneuil's disease] de Ville de Goyet J, et al. **Acta Chir Belg** 1985 Sep–Oct; 85(5):319–23 (Eng. Abstr.) **(Fre)**

ANALYSIS

Histochemical studies on the apocrine sweat glands in some regions of the skin of the buffaloes in Egypt. Hieny A, et al. **Z Mikrosk Anat Forsch** 1985;99(3):378–84

[Distribution of –SH and S–S in human sebaceous glands and apocrine glands] Suzuki M, et al. **Nippon Hifuka Gakkai Zasshi** 1985 Jul;95(8):877–81 **(Jpn)**

ANATOMY & HISTOLOGY

[Sternal organ—sternal gland—in small ruminants] Meyer PK. **DTW** 1986 Jun 9;93(6):251–3 (Eng. Abstr.) **(Ger)**

CYTOLOGY

Keratin type intermediate filaments in sweat gland myoepithelial cells. Hori K, et al. **J Invest Dermatol** 1985 Nov;85(5):453–9

[Development of the lip gland in the cat. A contribution to age determination] Künzel E, et al. **Berl Munch Tierarztl Wochenschr** 1986 May 1;99(5):153–6 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Effects of locally administered anticholinesterase agents on the secretory response of human eccrine sweat glands to acetylcholine and carbachol. Longmore J, et al. **Br J Clin Pharmacol** 1986 Feb;21(2):131–5

ENZYMOLOGY

Esterase activity in the bovine sweat gland: genetic differences and the effect of temperature. Schleger AV, et al. **Acta Anat (Basel)** 1986;125(4):229–32

IMMUNOLOGY

Immunohistochemical staining of normal sweat glands. Cotton DW. **Br J Dermatol** 1986 Apr;114(4):441–9

Immunohistochemical detection of mammary tumor virus antigens in sweat and sebaceous glands of mice. Tsubura A, et al. **Jikken Dobutsu** 1985 Jul;34(3):303–10

Reactivity pattern of anti-CD1 and anti-HLA class II monoclonal antibodies with human eccrine sweat glands. Gomes M, et al. **Tissue Antigens** 1986 Mar;27(3):163–71

INNERVATION

Coexistence of calcitonin gene-related peptide and vasoactive intestinal peptide in cholinergic sympathetic innervation of rat sweat glands. Landis SC, et al. **Brain Res** 1986 Jul 2;377(1):177–81

Neonatal treatment with nerve growth factor antiserum eliminates cholinergic sympathetic innervation of rat sweat glands. Landis SC, et al. **Dev Biol** 1985 Nov;112(1):222–9

The distribution of sympathetic adrenergic, tyrosine hydroxylase- and neuropeptide Y-immunoreactive nerves in human axillary sweat glands. Tainio H, et al. **Histochemistry** 1986;85(2):117–20

The location of descending fibres to sympathetic neurons supplying the eye and sudomotor neurons supplying the head and neck. Nathan PW, et al. **J Neurol Neurosurg Psychiatry** 1986 Feb;49(2):187–94

Development of choline acetyltransferase (CAT) in the sympathetic innervation of rat sweat glands. Leblanc G, et al. **J Neurosci** 1986 Jan;6(1):260–5

METABOLISM

Origin of periodic acid–Schiff–reactive glycoprotein in human eccrine sweat. Yanagawa S, et al. **J Appl Physiol** 1986 May;60(5):1615–22

Receptors for vasoactive intestinal peptide on isolated human sweat glands. Heinz-Erian P, et al. **Peptides** 1986;7 Suppl 1:151–4

PATHOLOGY

Morphologic and functional aspects of apocrine metaplasia in dysplastic and neoplastic breast tissue. Bussolati G, et al. **Ann NY Acad Sci** 1986;464:262–74 (24 ref.)

Microcystic adnexal carcinoma. Immunohistologic observations suggesting dual (pilar and eccrine) differentiation. Nickoloff BJ, et al. **Arch Dermatol** 1986 Mar;122(3):290–4

Culture of sweat gland epithelial cells from normal individuals and patients with cystic fibrosis. Collie G, et al. **In Vitro Cell Dev Biol** 1985 Oct;21(10):597–602

Basal cell carcinoma with eccrine differentiation (eccrine epithelioma). Hanke CW, et al. **J Dermatol Surg Oncol** 1986 Aug;12(8):820–4

Sweat gland necrosis in drug-induced coma: a light and direct immunofluorescence study. Rocamora A, et al. **J Dermatol (Tokyo)** 1986 Feb;13(1):49–53

Carcinoma of eccrine sweat gland: experience with chemotherapy, autopsy findings in a patient with metastatic eccrine carcinoma, and a review of the literature. Morris DM, et al. **J Surg Oncol** 1986 Jan;31(1):26–30 (17 ref.)

Uneven distribution and significant concentration of apocrine metaplasia in lower breast quadrants. Benigni G, et al. **Tumori** 1986 Apr 30;72(2):179–82

PHYSIOLOGY

Dry hands in scleroderma. Including studies of sweat gland function in healthy individuals. Serup J, et al. **Acta Derm Venereol (Stockh)** 1985;65(5):419–23

Electrical field stimulation of isolated primate sweat glands. Vitale GI, et al. **Br J Dermatol** 1986 Jul;115(1):39–47

Quantitative analysis of the local effect of skin temperature on sweating. Ogawa T, et al. **Jpn J Physiol** 1986; 36(2):417–22

Characteristics of central sudomotor mechanism estimated by frequency of sweat expulsions. Sugenoya J, et al. **Jpn J Physiol** 1985;35(5):783–94

Electrophysiological studies on isolated human eccrine sweat glands. Jones CJ, et al. **Q J Exp Physiol** 1986 Jan; 71(1):123–32

PHYSIOPATHOLOGY

Sweat gland function in Sjögren's syndrome [letter] Hart LE, et al. **Ann Rheum Dis** 1986 Apr;45(4):350–1

[Hyperhidrosis] Kaeser HE. **Schweiz Rundsch Med Prax** 1986 May 6;75(19):539–41 **(Ger)**

SECRETION

Hormonal correlates of apocrine secretion in the breast. Miller WR, et al. **Ann NY Acad Sci** 1986;464:275–87

Some aspects of the secretory activity of the human olfactory glands. Lucheroni A, et al. **Rhinology** 1986 Mar;24(1):57–60

ULTRASTRUCTURE

Are acrosyringia involved in the pathogenesis of "dyshidrosis"? Kutzner H, et al. **Am J Dermatopathol** 1986 Apr;8(2):109–16

A simple technique for recording and counting sweat pores on the dermal ridges. O'Leary E, et al. **Clin Genet** 1986 Feb;29(2):122–8

Ultrastructural variations in the sweat glands of anhidrotic horses. Jenkinson DM, et al. **Equine Vet J** 1985 Jul; 17(4):287–91

Eccrine gland clear reticulated cytoplasm. Burket JM, et al. **J Am Acad Dermatol** 1985 Sep;13(3):497–500

[A case of eccrine poroepithelioma] Ochiai T, et al. **Nippon Hifuka Gakkai Zasshi** 1986 May;96(6):585–94 **(Jpn)**

SWEATING

see related
HYPERHIDROSIS
HYPOHIDROSIS

Somatosympathetic reflex unilateral sweating and pupillary dilatation in a paraplegic man. Saper CB, et al. **Ann Neurol** 1986 Apr;19(4):389–90

Effect of native place on sweating rate at rest and during exercise in dry and humid heat. Okada A, et al. **Ann Physiol Anthropol** 1985 Apr;4(2):199–202

Regional variation of sweating threshold in Japanese males. Sato H, et al. **Ann Physiol Anthropol** 1985 Apr;4(2):178–80

Transient acantholytic dermatosis (Grover's disease). A skin disorder related to heat and sweating. Hu CH, et al. **Arch Dermatol** 1985 Nov;121(11):1439–41

Influence of profuse sweating on systolic time intervals. Ishikawa M, et al. **Br Heart J** 1986 Aug;56(2):176–8

Regional rates of sweat evaporation during leg and arm cycling. Ayling JH. **Br J Sports Med** 1986 Mar;20(1):35–7

Evaluation of a cystic fibrosis screening system incorporating a miniature sweat stimulator and disposable chloride sensor. Warwick WJ, et al. **Clin Chem** 1986 May;32(5):850–3

Sweating in vitiligo in relation to electrical skin resistance [letter] Sharquie KE, et al. **Clin Exp Dermatol** 1985 Nov; 10(6):598–9

Efficiency of sweat evaporation in unacclimatized man working in a hot humid environment. Alber-Wallerström B, et al. **Eur J Appl Physiol** 1985;54(5):480–7

Dynamics of sweating in men and women during passive heating. Grucza R, et al. **Eur J Appl Physiol** 1985; 54(3):309–14

Effects of passive heat adaptation and moderate sweatless conditioning on responses to cold and heat. Hessemer V, et al. **Eur J Appl Physiol** 1986;55(3):281–9

Influence of menstrual cycle on shivering, skin blood flow, and sweating responses measured at night. Hessemer V, et al. **J Appl Physiol** 1985 Dec;59(6):1902–10

Seasonal variation of sweating rate caused by exercise during thermal transient. Torii M, et al. **J Hum Ergol (Tokyo)** 1985 Sep;14(1):53–6

The spoon test for assessing sudomotor autonomic failure [letter] Sidell AD. **J Neurol Neurosurg Psychiatry** 1985 Nov;48(11):1190

Quantitative analysis of the local effect of skin temperature on sweating. Ogawa T, et al. **Jpn J Physiol** 1986; 36(2):417–22

Characteristics of central sudomotor mechanism estimated by frequency of sweat expulsions. Sugenoya J, et al. **Jpn J Physiol** 1985;35(5):783–94

Measurement of skin blood–flow and water evaporation as a means of objectively assessing hot flushes after orchidectomy in patients with prostatic cancer. Frödin T, et al. **Prostate** 1985;7(2):203–8

Fluid balance in hot climates: sweating, water intake, and prevention of dehydration. Epstein Y, et al. **Public Health Rev** 1985;13(1–2):115–37 (97 ref.)

[Central and peripheral factors affecting sweating activity] Ogawa T. **Nippon Seirigaku Zasshi** 1986;48(1):1–13 (121 ref.) **(Jpn)**

[Diaphoretic reflex as part of a complex of methods for evaluating operator work capacity] Slyn'ko PP, et al. **Fiziol Zh** 1985 Nov–Dec;31(6):678–82 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Lack of agreement between the salivary flow and finger-sweat print methods for the determination of the anticholinergic effects of antidepressant drugs. Carlini EL, et al. **Braz J Med Biol Res** 1985;18(2):163–9

SWEATING, GUSTATORY

DRUG THERAPY

[Therapy of gustatory sweating following parotidectomy. Frey's syndrome] Hüttenbrink KB. **Laryngol Rhinol Otol (Stuttg)** 1986 Mar;65(3):135–7 (Eng. Abstr.) **(Ger)**

ETIOLOGY

[Gustatory sweating following parotidectomy. Frey's syndrome] Hüttenbrink KB, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Mar;65(3):130–4 (Eng. Abstr.) **(Ger)**

THERAPY

Management of Frey's syndrome [letter] **JAMA** 1985 Dec 27;254(24):3420–1

SWEETENING AGENTS

Factors associated with the acceptance of sugar and sugar substitutes by the public. Mackay DA. **Int Dent J** 1985 Sep;35(3):201–9

Comparison of aspartame- and fructose-sweetened layer cakes: importance of panels of users for evaluation of alternative sweeteners. Hess DA, et al. **J Am Diet Assoc** 1986 Jul;86(7):919–23

Dietary characteristics of hyperactive and control boys. Wolraich ML, et al. **J Am Diet Assoc** 1986 Apr;86(4):500–4

Sweeteners to replace sugar in foods and drinks—dental and other considerations. Grenby TH. **J R Soc Health** 1985 Aug;105(4):117–8

Sweet taste receptor mechanisms. Sato M. **Jpn J Physiol** 1985;35(6):875–85 (62 ref.)

A tobacco mosaic virus-induced tobacco protein is homologous to the sweet-tasting protein thaumatin. Cornelissen BJ, et al. **Nature** 1986 May 29–Jun 4; 321(6069):531–2

Gustatory reaction time to various sweeteners in human adults. Yamamoto T, et al. **Physiol Behav** 1985 Sep; 35(3):411–5

Artificial sweetener use and one-year weight change among women. Stellman SD, et al. **Prev Med** 1986 Mar; 15(2):195–202

Sugar-free liquid pharmaceuticals. Dangor CM, et al. **S Afr Med J** 1986 Aug 16;70(4):199–200

ADMINISTRATION & DOSAGE

[Sugar substitutes in the diet therapy of type I diabetes mellitus (letter)] Chantelau E. **Dtsch Med Wochenschr** 1986 Aug 1;111(31–32):1220–2 **(Ger)**

ADVERSE EFFECTS

Bladder cancer in young women. Piper JM, et al. **Am J Epidemiol** 1986 Jun;123(6):1033–42

Sugar free medicines—are you using them? [editorial] Johnston DI. **Arch Dis Child** 1986 Mar;61(3):216–7

Oral effects of sugars and sweeteners. Kleinberg I. **Int Dent J** 1985 Sep;35(3):180–9

ANALYSIS

The intensely sweet herb, Lippia dulcis Trev.: historical uses, field inquiries, and constituents. Compadre CM, et al. **J Ethnopharmacol** 1986 Jan;15(1):89–106

CHEMICAL SYNTHESIS

Peptide sweeteners. 8. Synthesis and structure–taste relationship studies of L–aspartyl–D–alanyl tripeptides. Rodriguez M, et al. **J Med Chem** 1985 Oct;28(10):1527–9

HISTORY

Dulcin: a centennial perspective. Goldsmith RH.
J Forensic Sci 1986 Jan;31(1):333–6

METABOLISM

Digestion and absorption of sugars and sugar substitutes in rat small intestine. Tsuji Y, et al.
J Nutr Sci Vitaminol (Tokyo) 1986 Feb;32(1):93–100

Characterization of bacterial mutagenicity mediated by 13–hydroxy–ent–kaurenoic acid (steviol) and several structurally–related derivatives and evaluation of potential to induce glutathione S–transferase in mice. Pezzuto JM, et al. **Mutat Res** 1986 Mar;169(3):93–103

PHARMACODYNAMICS

Studies of the inhibitory action of intense sweeteners on oral microorganisms relating to dental health. Grenby TH, et al. **Caries Res** 1986;20(1):7–16

Sweeteners and dental health. Rugg–Gunn AJ, et al.
Community Dent Health 1985 Sep;2(3):213–23

Field studies on sugar substitutes. Scheinin A. **Int Dent J** 1985 Sep;35(3):195–200

Structure–taste correlation of L–aspartyl dipeptides using SIMCA method. Miyashita Y, et al. **J Med Chem** 1986 Jun;29(6):906–12

Influence of chronic intake of new sweetener fructooligosaccharide (Neosugar) on growth and gastrointestinal function of the rat. Tokunaga T, et al.
J Nutr Sci Vitaminol (Tokyo) 1986 Feb;32(1):111–21

Effects of oral administration of maltitol on plasma glucose, plasma sorbitol, and serum insulin levels in man. Secchi A, et al. **Klin Wochenschr** 1986 Mar 17;64(6):265–9

Caffeine intensifies taste of certain sweeteners: role of adenosine receptor. Schiffman SS, et al.
Pharmacol Biochem Behav 1986 Mar;24(3):429–32

TOXICITY

Metabolic and toxicologic study of an artificial sweetener, oxime V. Mitoma C, et al. **Drug Chem Toxicol** 1985; 8(4):195–206

Tumorigenicity study of disodium glycyrrhizinate administered orally to mice. Kobuke T, et al.
Food Chem Toxicol 1985 Nov;23(11):979–83

SWIMBLADDER see AIR SACS

SWIMMING

Is swimming exercise or cold exposure for rats? Harri M, et al. **Acta Physiol Scand** 1986 Feb;126(2):189–97

Effects of a swimming program on children with cystic fibrosis. Edlund LD, et al. **Am J Dis Child** 1986 Jan; 140(1):80–3

Influence of a swimming program on the lung function status of children with cystic fibrosis [letter] Zach MS, et al.
Am J Dis Child 1986 Sep;140(9):855

Erosion of dental enamel among competitive swimmers at a gas–chlorinated swimming pool. Centerwall BS, et al.
Am J Epidemiol 1986 Apr;123(4):641–7

Skeletal muscle profiles among elite long, middle, and short distance swimmers. Gerard ES, et al. **Am J Sports Med** 1986 Jan–Feb;14(1):77–82

Fine wire electromyography analysis of muscles of the shoulder during swimming. Nuber GW, et al.
Am J Sports Med 1986 Jan–Feb;14(1):7–11

Fresh water swimming as a risk factor for otitis externa: a case–control study. Springer GL, et al.
Arch Environ Health 1985 Jul–Aug;40(4):202–6

Swimming experiences and abilities of nine year olds. Langley J, et al. **Br J Sports Med** 1986 Mar;20(1):39–41

Triathlons and medicine: the race to catch up. Cohen L. **Can Med Assoc J** 1986 Apr 15;134(8):938–41

Heart rate and rhythm during underwater swimming. Jakopin J, et al. **Cardiologia** 1982;27(2):205–10

Swimming. **Clin Sports Med** 1986 Jan;5(1):1–211

Scoliosis in swimmers. Becker TJ. **Clin Sports Med** 1986 Jan; 5(1):149–58 (39 ref.)

The athletic trainer in swimming. Becker TJ.
Clin Sports Med 1986 Jan;5(1):9–24

Swimmer's shoulder. Ciullo JV. **Clin Sports Med** 1986 Jan; 5(1):115–37 (28 ref.)

The role of the coach in training for swimming. Counsilman JE. **Clin Sports Med** 1986 Jan;5(1):3–7

The physician to a swimming team. Donnelly WH, et al.
Clin Sports Med 1986 Jan;5(1):25–32

Swimming injuries of the knee, foot and ankle, elbow, and back. Fowler PJ, et al. **Clin Sports Med** 1986 Jan; 5(1):139–48 (17 ref.)

Nutrition for swimmers. Grandjean AC. **Clin Sports Med** 1986 Jan;5(1):65–76 (34 ref.)

Profiling swimmers. Marino M. **Clin Sports Med** 1984 Jan; 3(1):211–29 (86 ref.)

The use of drugs in swimming. Puffer JC.
Clin Sports Med 1986 Jan;5(1):77–89 (38 ref.)

The biomechanics of swimming: the shoulder and knee. Richardson AR. **Clin Sports Med** 1986 Jan;5(1):103–13

Medical problems of the swimmer. Sarnaik AP, et al.
Clin Sports Med 1986 Jan;5(1):47–64 (53 ref.)

Medical aspects of synchronized swimming. Weinberg SK.
Clin Sports Med 1986 Jan;5(1):159–67 (22 ref.)

Contact dermatitis to dibutylthiourea in swimming goggles. Alomar A, et al. **Contact Dermatitis** 1985 Nov;13(5):348–9

Socio–economic factors in relation to lipid profiles in young girl athletes. Bernink MJ, et al. **Eur J Appl Physiol** 1985; 54(4):427–31

Biochemical responses during recovery from maximal and submaximal swimming exercise. Goodman C, et al.
Eur J Appl Physiol 1985;54(4):436–41

Plasma renin activity, aldosterone and catecholamine levels when swimming and running. Guezennec CY, et al.
Eur J Appl Physiol 1986;54(6):632–7

Sex difference in serum testosterone response to long–distance swimming. Dulac S, et al.
Horm Metab Res 1986 Jun;18(6):420–1

Health risks of snorkel swimming in untreated water. Philipp R, et al. **Int J Epidemiol** 1985 Dec;14(4):624–7

Energy expenditure during front crawl swimming: predicting success in middle–distance events. Costill DL, et al.
Int J Sports Med 1985 Oct;6(5):266–70

Echocardiographic findings in children participating in swimming training. Medved R, et al. **Int J Sports Med** 1986 Apr;7(2):94–9

Primary prevention of aquatic morbidity. Marino RV.
J Am Osteopath Assoc 1985 Jun;85(6):367–9

The trend of the male–female differential in various speed sports 1936–84. Dyer KF. **J Biosoc Sci** 1986 Apr; 18(2):169–77

Habituation of swimming activity in the medicinal leech. Debski EA, et al. **J Exp Biol** 1985 May;116:169–88

Differences between upstroke and downstroke in swimming dolphins. Videler J, et al. **J Exp Biol** 1985 Nov;119:265–74

Excitatory synaptic drive for swimming mediated by amino acid receptors in the lamprey. Dale N. **J Neurosci** 1986 Sep;6(9):2662–75

The effects of endurance swimming on the serum lipoproteins and the postheparin serum lipolytic activity in rats. Asano S, et al. **J Sports Med Phys Fitness** 1986 Jun;26(2):194–200

Measurement of active drag during crawl arm stroke swimming. Hollander AP, et al. **J Sports Sci** 1986 Spring; 4(1):21–30

Changes in body composition and physique of elite university–level female swimmers during a competitive season. Meleski BW, et al. **J Sports Sci** 1985 Spring; 3(1):33–40

Lethal jellyfish [editorial] Sutherland S. **Med J Aust** 1985 Dec 9–23;143(12–13):536

Breath holding during the turn in competitive swimming. Craig AB Jr. **Med Sci Sports Exerc** 1986 Aug;18(4):402–7

Velocity, stroke rate, and distance per stroke during elite swimming competition. Craig AB Jr, et al.
Med Sci Sports Exerc 1985 Dec;17(6):625–34

Relationships among anthropometric and stroking characteristics of college swimmers. Grimston SK, et al.
Med Sci Sports Exerc 1986 Feb;18(1):60–8

Triathlete characterization and response to prolonged strenuous competition. Holly RG, et al.
Med Sci Sports Exerc 1986 Feb;18(1):123–7

Grommets and swimming [letter] Marcy SM.
Pediatr Infect Dis 1986 May–Jun;5(3):387

Maximal static pressures and lung volumes in young female swimmers. Zinman R, et al. **Respir Physiol** 1986 May; 64(2):229–39

Applied physiology of swimming. Lavoie JM, et al.
Sports Med 1986 May–Jun;3(3):165–89 (180 ref.)

Vertebral artery injury and cerebellar stroke while swimming: case report. Tramo MJ, et al. **Stroke** 1985 Nov–Dec;16(6):1039–42

[Is there a swimmer's hypertension?] Weiss M, et al.
Schweiz Z Sportmed 1985 Dec;33(4):122–32 (Eng. Abstr.) (Ger)

[Mechanical and structural variations in the hypertrophic myocardium of trained swimming rats] Ricciardi L, et al. **Boll Soc Ital Biol Sper** 1986 Jan 31;62(1):89–93 (Eng. Abstr.) (Ita)

[Present studies on modern swimming (fin swimming and underwater swimming) in Japan] Nomura T, et al.
Ann Physiol Anthropol 1985 Jul;4(3):267–71 (Jpn)

[Asthmatic children and swimming training. 3. Comparison of NCF and FEV1.0 changes] Onda T, et al. **Arerugi** 1985 Nov;34(11):1015–20 (Eng. Abstr.) (Jpn)

[Thermoregulatory reactions to chilling in ice water among winter swimming enthusiasts] Lazarenko PV, et al.
Fiziol Cheloveka 1985 Nov–Dec;11(6):1030–2 (Rus)

[Modelling of the transmission of bacterial intestinal infections in swimming] Talaeva IuG, et al. **Gig Sanit** 1985 Dec;(12):51–2 (Rus)

[Topography of the fatty tissue of infants in the 1st year of life trained to swim] Aleksandrovich NZh. **Pediatriia** 1985 Aug;(8):48–50 (Eng. Abstr.) (Rus)

SWIMMING POOLS

Erosion of dental enamel among competitive swimmers at a gas–chlorinated swimming pool. Centerwall BS, et al.
Am J Epidemiol 1986 Apr;123(4):641–7

Feasibility of extended wear lens use in chlorinated swimming pools. Soni PS, et al.
Am J Optom Physiol Opt 1986 Mar;63(3):171–6

Microbiological markers for swimming–associated infectious health hazards [letter] Mossel DA. **Am J Public Health** 1986 Mar;76(3):297

A cluster of injuries at a water slide in Washington State. Paulozzi LJ, et al. **Am J Public Health** 1986 Mar; 76(3):284–5

Evaluation of culture media for recovery of Staphylococcus aureus from swimming pools. Alico RK, et al.
Appl Environ Microbiol 1986 Apr;51(4):699–702

AIDS and swimming pools [editorial] Zuckerman AJ.
Br Med J [Clin Res] 1986 Jul 26;293(6541):221

Comparative study of membrane filtration and enrichment media for the isolation and enumeration of Pseudomonas aeruginosa from sewage, surface water, and swimming pools. Havelaar AH, et al. **Can J Microbiol** 1985 Aug; 31(8):686–92

Nosocomial outbreak of Pseudomonas aeruginosa folliculitis associated with a physiotherapy pool. Schlech WF 3d, et al. **Can Med Assoc J** 1986 Apr 15;134(8):909–13

The effect of bath water, sea water and swimming pool water on the guinea pig middle ear. Smelt GJ, et al.
J Laryngol Otol 1985 Dec;99(12):1209–16

A simple method for counting Staphylococcus aureus in swimming pool water. Mates A, et al. **Microbios** 1986; 46(186):43–9

[Swimming pool dermatoses] Häusser M, et al. **Hautarzt** 1985 Aug;36(8):436–40 (44 ref.) (Eng. Abstr.) (Ger)

[Mycologic studies of public swimming pools and saunas in Marburg] Effendy I, et al. **Mykosen** 1985 Sep;28(9):439–51 (Eng. Abstr.) (Ger)

[Public health aspects of swimming pools: ear complaint of the swimmer—a literature review] Mueller RL.
Off Gesundheitswes 1985 Nov;47(11):575–7 (Eng. Abstr.) (Ger)

[Health study of swimming pools in Madrid] Madrigal Sesma MJ, et al. **Rev Sanid Hig Publica (Madr)** 1985 Sep–Oct; 59(9–10):1117–24 (Eng. Abstr.) (Spa)

STANDARDS

Experiences with bacteriological monitoring of pool water. Schiemann DA. **Infect Control** 1985 Oct;6(10):413–7

[Detection of Pseudomonas aeruginosa in swimming pool water] Höppner A. **Off Gesundheitswes** 1986 Jan; 48(1):39–41 (Eng. Abstr.) (Ger)

[Viruses in swimming pools] Lopez Pila JM.
Schriftenr Ver Wasser Boden Lufthyg 1985;65:289–94 (Ger)

[Microbiological problems in public bathing facilities] Seeber E. **Schriftenr Ver Wasser Boden Lufthyg** 1985;65:295–302 (Ger)

[Chloramine concentration in the room air of indoor pools] Jessen HJ. **Z Gesamte Hyg** 1986 Mar;32(3):180–1 (Eng. Abstr.) (Ger)

[Experiences with bathing water purification in accordance with the Regulation of Technological Standards No. 37780] Jessen HJ. **Z Gesamte Hyg** 1986 Mar;32(3):171–4 (Eng. Abstr.) (Ger)

[Requirements for water quality in sauna plunge baths] Jessen HJ. **Z Gesamte Hyg** 1986 Mar;32(3):177–9 (Eng. Abstr.) (Ger)

[Are 30 liters of drinking water per bather too much?] Jessen HJ. **Z Gesamte Hyg** 1986 Mar;32(3):175–7 (Eng. Abstr.) (Ger)

SWINE

Meat quality characteristics of some pig breeds in Hungary. Wittmann M, et al. **Acta Vet Hung** 1985;33(1–2):13–7

Ambient levels of selected gases inside swine confinement buildings. Donham KJ, et al. **Am Ind Hyg Assoc J** 1985 Nov;46(11):658–61

Assessment of dust and endotoxin levels in the working environment of Dutch pig farmers: a preliminary study. Attwood P, et al. **Ann Occup Hyg** 1986;30(2):201–8

Induction of parturition in sows using a prostaglandin analogue. Chantaraprateep P, et al. **Aust Vet J** 1986 Feb; 63(2):60–1

Causes of preweaning mortality on a large intensive piggery. Spicer EM, et al. **Aust Vet J** 1986 Mar;63(3):71–5

Transport and lairage times in British slaughter pigs. Warriss PD, et al. **Br Vet J** 1986 Mar–Apr;142(2):124–30

Infertility in the bull, ram and boar: 1. Failure to mate. Logue D, et al. **In Pract** 1985 Nov;7(6):185–91

Heterotopic liver allograft in acute hepatic failure in pigs. Galmarini D, et al. **Int Surg** 1985 Oct–Dec;70(4):305–8

Pork producers' points of view on residues and certain zoonoses. Meisinger D, et al. **J Am Vet Med Assoc** 1986 Jan 15;188(2):134–6

Reconstruction of the lower lip following pig bites: report of two cases. Metlich MA, et al.
J Oral Maxillofac Surg 1986 Jun;44(6):478–82

Polygraphic analysis of the sleep–wake states and the REM sleep periodicity in domesticated pigs (Sus scrofa). Robert S, et al. **Physiol Behav** 1986;37(2):289–93

Electrocution of pigs infected with notifiable diseases. Lambooy E, et al. **Vet Q** 1986 Jan;8(1):80–2

Pregnancy diagnosis in pigs: a field study comparing linear–array real–time ultrasound scanning and amplitude depth analysis. Taverne MA, et al. **Vet Q** 1985 Oct; 7(4):271–6

Pregnancy diagnosis in the sow using real–time ultrasonic

scanning. Jackson GH. **Vet Rec** 1986 Jul 26;119(4):90–1
Tiamulin/salinomycin interactions in pigs. Miller DJ, et al. **Vet Rec** 1986 Jan 18;118(3):73–5
Rinderpest outbreak in free-living wildlife in Nigeria. Shanthikumar SR, et al. **Vet Rec** 1985 Nov 2;117(18):469–70
Cells of sow mammary secretions. I. Morphology and differential counts during lactation. Schollenberger A, et al. **Zentralbl Veterinarmed** [A] 1986 Jan;33(1):31–8
[Effect of exogenous administration of steroids during the 1st month of pregnancy in sows and gilts on certain characteristics of the litter] Navrátil S, et al. **Vet Med (Praha)** 1986 Jan;31(1):27–36 (Eng. Abstr.) (Cze)
[Physical, chemical and biological study of dust from large-scale pig farms] Raszyk J. **Vet Med (Praha)** 1986 Apr; 31(4):233–44 (Eng. Abstr.) (Cze)
[The importance of the Musca domestica predator Ophyra aenescens (Diptera: Muscidae). IV. Biology and behavior of O. aenescens in facilities for animal production] Schultka H, et al. **Angew Parasitol** 1986 May;27(2):87–9 (Eng. Abstr.) (Ger)
[Representation of results of feed evaluation. 3. Mixed feed] von Lengerken J, et al. **Arch Tierernahr** 1985 Aug; 35(8):607–21 (Eng. Abstr.) (Ger)
[Ethological choice studies with early weaned piglets kept on flat decks. 4. Results of studies on the preference for type of floor, surface size and padding (straw) from the viewpoint of the animal and conclusions for the evaluation of flat deck rearing with reference to all results] Marx D, et al. **DTW** 1986 Feb 7;93(2):75–80 (Eng. Abstr.) (Ger)
[Legal cases of "pretended slaughter"—on the suitability of the protein pattern of muscle extracts for determinating apparently illegally slaughtered fattening swine] Stolle FA. **DTW** 1985 Nov 26;92(11–12):478–81 (Eng. Abstr.) (Ger)
[Hardness evaluation of the hoof horn of fattening swine using the Shore D. hardness evaluation device] von der Schulenburg A. **DTW** 1985 Nov 26;92(11–12):470–3 (Eng. Abstr.) (Ger)
[Use of paramunization in raising pigs] Mayr A. **Tierarztl Prax** 1986;14(2):237–44 (Eng. Abstr.) (Ger)
[Quantitative and selected qualitative results of measuring dust in animal production] Kosbab P, et al. **Z Gesamte Hyg** 1986 Jan;32(1):22–3 (Eng. Abstr.) (Ger)
[Dose–time correlation in the irradiation of the lung of piglets for evaluating a model of human radiogenic pneumopathy] Herrmann T, et al. **Med Radiol (Mosk)** 1986 Mar; 31(3):36–40 (Eng. Abstr.) (Rus)
[Anesthesia in the pig for different types of experimental surgery. Incidence of malignant hyperthermia] Tera Bueno G, et al. **Rev Esp Anestesiol Reanim** 1986 Jan–Feb;33(1):1–3 (Eng. Abstr.) (Spa)

ANATOMY & HISTOLOGY

Patterns of migration of labelled blood lymphocyte subpopulations: evidence for two types of Peyer's patch in the young pig. Binns RM, et al. **Adv Exp Med Biol** 1985; 186:661–8
Ultrastructural histochemical evaluation of growth plate cartilage matrix from healthy and osteochondritic swine. Färnum CE, et al. **Am J Vet Res** 1986 May;47(5):1105–15
Dural sinuses in the pig and their extracranial venous connections. Ghoshal NG, et al. **Am J Vet Res** 1986 May; 47(5):1165–9
Blood supply of the nasal cavity of the normal pig. Ghoshal NG, et al. **Anat Histol Embryol** 1986 Mar;15(1):14–22
Radiological observations of the thorax and abdomen of the piglet. Wood AK. **Anat Histol Embryol** 1985 Sep; 14(3):193–214
Histological and immunohistochemical studies of the Segi's cap, a large aggregation of endocrine cells on the intestinal villi of porcine fetuses and neonates. Ito H, et al. **Arch Histol Jpn** 1985 Oct;48(4):399–409
Congenital bilateral renal hypoplasia in Large White pigs. Mason RW, et al. **Aust Vet J** 1985 Dec;62(12):413–4
Blood flow distribution in hind limb bones and joint cartilage from young growing pigs. Nakano T, et al. **Can J Vet Res** 1986 Jan;50(1):96–100
Morphometry of the intestine of the pig. I. A method for complete circumsection analysis. Pekas JC. **Dig Dis Sci** 1986 Jan;31(1):79–89
Changes of AChE activity in the nerves of pig ovaries in different periods of pregnancy. Lakomy M, et al. **Gegenbaurs Morphol Jahrb** 1985;131(3):297–307
Body condition of sows across parities and relationship to reproductive performance. Esbenshade KL, et al. **J Anim Sci** 1986 May;62(5):1187–93
A radiographic characterization of toe length disparity and its relation to nutrition and structural unsoundness in boars, barrows and sows. Grandhi RR, et al. **J Anim Sci** 1986 May;62(5):1172–80
Variables in estimation of adipocyte size and number with a particle counter. Mersmann HJ, et al. **J Anim Sci** 1986 Apr;62(4):980–91
"Giant" muscle fibres in skeletal muscle of normal pigs. Handel SE, et al. **J Comp Pathol** 1986 Jul;96(4):447–57
Normal adaptation of pulmonary arterial intima to extrauterine life in the pig: ultrastructural studies. Hall SM, et al. **J Pathol** 1986 May;149(1):55–66
Attempts to modify changes in the piglet small intestine after weaning. Hampson DJ. **Res Vet Sci** 1986 May;40(3):313–7
Studies of the lumbar vertebral end-plate region in the pig. Törner M, et al. **Ups J Med Sci** 1985;90(3):243–58
Acetylcholine esterase positive nerves in swine thyroid. Lakomy M, et al. **Z Mikrosk Anat Forsch** 1986;100(1):34–8
[Portal vein network around the liver lobules demonstrates the lobular structure of the liver] Wünsche A, et al. **Acta Anat (Basel)** 1986;125(1):32–6 (Eng. Abstr.) (Ger)
[Distribution of blood vessels in the skin of pigs at birth] Godynicki S, et al. **Anat Histol Embryol** 1985 Dec; 14(4):304–15 (Eng. Abstr.) (Ger)
[Methods of intravital lung lavage in swine—collection and differentiation of alveolar cells] Neumann R, et al. **Arch Exp Veterinarmed** 1985 Jul;39(4):525–34 (Eng. Abstr.) (Ger)
[Biomorphosis of the liver in swine. 3. Hepatogenic hematopoiesis and the glycogen and lipid picture (a summarizing assessment)] Wesemeier H. **Arch Exp Veterinarmed** 1985 Nov;39(6):931–43 (Eng. Abstr.) (Ger)
[Biomorphosis of the liver in swine. 2. The liver lobes with special reference to metric data and liver growth] Wesemeier H. **Arch Exp Veterinarmed** 1985 Jul; 39(4):585–90 (Eng. Abstr.) (Ger)
[Comparative observation on the development of the mammary gland in the swine and goat] Geyer H, et al. **Berl Munch Tierarztl Wochenschr** 1986 May 1;99(5):176–80 (Eng. Abstr.) (Ger)
[Scanning electron microscopy studies of the surface structure of the female genital tract of swine in the estrus stage] Duenbostel K, et al. **DTW** 1985 Sep 6;92(9):310–6 (Eng. Abstr.) (Ger)
[Histometric characterization of the horn of claws in swine for slaughter] Härtel M, et al. **DTW** 1986 Feb 7;93(2):71–5 (Eng. Abstr.) (Ger)
[Quantitative study of the differences in the areas of distribution of the epicardial coronary arteries in the dog and pig] Elízaga J, et al. **Rev Esp Cardiol** 1985 Sep–Oct; 38(5):348–50 (Eng. Abstr.) (Spa)

BLOOD

The Limulus Amoebocyte Lysate test: detection of endotoxin in plasma of swine and cattle. II. In vivo investigations. Binder M, et al. **Acta Vet Scand** 1985;26(2):246–61
The Limulus Amoebocyte Lysate test: detection of endotoxin in plasma of swine and cattle. I. In vitro investigations. Mortensen K, et al. **Acta Vet Scand** 1985;26(2):231–45
Plasma glutathione peroxidase and tissue selenium response to selenium supplementation in swine. Sankari S. **Acta Vet Scand [Suppl]** 1985;81:1–127
Nitrobenzylthioinosine: an in vivo inhibitor of pig erythrocyte energy metabolism. Young JD, et al. **Am J Physiol** 1986 Jul;251(1 Pt 1):C90–4
Plasma cortisol and norepinephrine concentrations in castrated male pigs maintained in pairs in outdoor pens and in a confinement finishing house: assessment of stress. Benson GJ, et al. **Am J Vet Res** 1986 May;47(5):1071–4
Influence of market stress and protein level on feeder pig hematologic and blood chemical values. Clemens ET, et al. **Am J Vet Res** 1986 Feb;47(2):359–62
A new case of blood cell chimerism in pigs. Nielsen PB, et al. **Anim Blood Groups Biochem Genet** 1985;16(3):235–7
Piglet blood glutathione peroxidase levels and preweaning mortality. Friendship RM, et al. **Can J Comp Med** 1985 Jul;49(3):311–4
Plasma concentration profiles of gonadotrophins and testosterone in the adult boar. Liptrap RM, et al. **Can J Vet Res** 1986 Jul;50(3):427–32
Stability of glutathione peroxidase in swine plasma samples under various storage conditions. Zhang WR, et al. **Can J Vet Res** 1986 Jul;50(3):390–2
Isolation and characterization of a blood group active glycopeptide from porcine aorta. Aikawa J, et al. **Int J Biochem** 1985;17(11):1155–61
Relationships among serum characteristics and performance and carcass traits in growing pigs. Doornenbal H, et al. **J Anim Sci** 1986 Jun;62(6):1675–81
A comparative study of serum kinetics of oxytetracycline in pigs and calves following intramuscular administration. Banting AD, et al. **J Vet Pharmacol Ther** 1985 Dec; 8(4):418–20
Heritability of plasma cholesterol and triglyceride concentrations in swine. Pond WG, et al. **Proc Soc Exp Biol Med** 1986 Jun;182(2):221–4
Seasonal variations in serum progesterone levels in pregnant sows. Wrathall AE, et al. **Vet Rec** 1986 Jun 21; 118(25):685–7
Effect of storage on acetylcholinesterase activity. López MC, et al. **Zentralbl Veterinarmed** [A] 1986 Feb;33(2):131–5
[Biogeochemical research on the Camborough hybrid on various swine-breeding farm complexes] Petkov PI, et al. **Vet Med Nauki** 1986;23(3):60–7 (Eng. Abstr.) (Bul)
[Changes in blood protein levels in piglets during development and during stress] Dvořák M. **Vet Med (Praha)** 1986 Jul;31(7):403–14 (Eng. Abstr.) (Cze)
[Basic hematologic values in gilts of the Large White breed and their crosses with the Landrace breed] Sodomková D. **Vet Med (Praha)** 1985 Nov;30(11):669–74 (Eng. Abstr.) (Cze)
[Mg, Ca, K and Na contents of erythrocytes of normally developed piglets and piglets with splayleg syndrome of different body weight as well as Mg, Ca, K levels of erythrocytes of gilts and sows] Kolb E, et al. **Arch Exp Veterinarmed** 1986 May;40(3):399–405 (Eng. Abstr.) (Ger)
[Concentrations of the hemoglobin content, hematocrit and the mean corpuscular hemoglobin concentration of the erythrocytes in halothane-sensitive and -resistant swine] Pohle M, et al. **Arch Exp Veterinarmed** 1985 Nov; 39(6):884–93 (Eng. Abstr.) (Ger)
[Reactions of weaned piglets to an increased iron intake] Steinhardt M, et al. **Arch Exp Veterinarmed** 1985 Nov; 39(6):921–30 (Eng. Abstr.) (Ger)
[Pharmacokinetics of gentamycin in cattle and swine] Glawischnig E, et al. **DTW** 1985 Oct 8;92(10):382–4 (Eng. Abstr.) (Ger)

EMBRYOLOGY

Differentiation of blood vessels in the adipose tissue of lean and obese fetal pigs, studied by differential enzyme histochemistry. Hausman GJ, et al. **Acta Anat (Basel)** 1985; 123(3):137–44
Structural and histochemical aspects of epidermis development of fetal porcine skin. Meyer W, et al. **Am J Anat** 1986 Jun;176(2):207–19
Electron microscopy of the initial stages of placentation in the pig. Dantzer V. **Anat Embryol (Berl)** 1985;172(3):281–93
Ontogeny of neuropeptidergic systems: luteinizing hormone releasing hormone (LHRH); somatostatin (SRIF) and neurophysin (NF) in the hypothalamus of the domestic pig by immunocytochemistry. Polkowska J, et al. **Folia Histochem Cytobiol** 1985;23(4):193–200
Culture and storage of pig embryos. Davis DL. **J Reprod Fertil [Suppl]** 1985;33:115–24 (86 ref.)
How does embryo manipulation fit into present and future pig reproduction? Polge C. **J Reprod Fertil [Suppl]** 1985; 33:93–100 (34 ref.)
Manipulation of gametes and embryos in the pig. Robl JM, et al. **J Reprod Fertil [Suppl]** 1985;33:101–14 (66 ref.)
[Morphology and histochemistry of the liver of swine fetuses (from the 80th day of development) and newborn piglets] Michel G, et al. **Arch Exp Veterinarmed** 1986 Mar; 40(2):294–8 (Eng. Abstr.) (Ger)

GENETICS

Prediction of the halothane (Hal) genotypes of pigs by deducing Hal, Phi, Po2, Pgd haplotypes of parents and offspring: results from a large-scale practice in Swedish breeds. Gahne B, et al. **Anim Blood Groups Biochem Genet** 1985;16(4):265–83
Associations between marker genotypes, halothane reaction, creatine kinase activity and meat quality characters in a sample of German Landrace pigs. Glodek P, et al. **Anim Blood Groups Biochem Genet** 1985;16(4):319–27
Relationships between blood groups, isozymes and halothane reaction in pigs from a selection experiment. Grashorn M, et al. **Anim Blood Groups Biochem Genet** 1985;16(4):329–35
Gene order and recombination rates in the linkage group S–Phi–Hal–H–(Po2)–Pgd in pigs. Hojný J, et al. **Anim Blood Groups Biochem Genet** 1985;16(4):307–18
The position of the epistatic S locus in the halothane linkage group in pigs. Van Zeveren A, et al. **Anim Blood Groups Biochem Genet** 1985;16(4):297–305
Trends in economic traits, halothane sensitivity, blood group and enzyme systems of Swiss Landrace and Large White pigs. Vögeli P, et al. **Anim Blood Groups Biochem Genet** 1985;16(4):285–96
Serum allotypes in ovarian follicular fluids of pigs. Matoulek J, et al. **Anim Genet** 1986;17(2):169–74
Mapping genes in domesticated animals. Ruddle FH, et al. **Basic Life Sci** 1986;37:39–57
Assignment of the major histocompatibility complex to the p1.4——q1.2 region of chromosome 7 in the pig (Sus scrofa domestica L.) by in situ hybridization. Echard G, et al. **Cytogenet Cell Genet** 1986;41(2):126–8
Chromosomal localization of leukocyte interferon gene in the pig (Sus scrofa domestica L.) by in situ hybridization. Yerle M, et al. **Cytogenet Cell Genet** 1986;42(3):129–32
Phenotypic and genetic parameters for growth, puberty and composition traits in gilts. Mabry JW, et al. **Growth** 1985 Summer;49(2):282–9
Chromosome mapping in domestic pigs (Sus scrofa): MPI and NP located to chromosome 7. Christensen K, et al. **Hereditas** 1985;102(2):231–5
Chromosome mapping in domestic pigs (Sus scrofa): PK is not linked to the syntenic group MPI–NP on chromosome no. 7. Kaufmann U, et al. **Hereditas** 1985;102(2):305–6
A genetic analysis of feed conversion efficiency and associated traits in swine. Bereskin B. **J Anim Sci** 1986 Apr; 62(4):910–7
Performance of Duroc and Yorkshire boars and gilts and reciprocal breed crosses. Bereskin B, et al. **J Anim Sci** 1986 Apr;62(4):918–26
Selection practices and genetic and phenotypic trends estimated from Nebraska SPF swine field records. David PJ, et al. **J Anim Sci** 1985 Dec;61(6):1411–20
Genetic correlation between boars, barrows and gilts for various carcass traits. McKay RM, et al. **J Anim Sci** 1986 Mar;62(3):618–24
Breed differences in return to estrus after PGF2 alpha-induced abortions in swine. Meeker DL, et al. **J Anim Sci** 1985 Aug;61(2):354–7
Genetic manipulation of the major histocompatibility complex. Warner CM. **J Anim Sci** 1986 Jul;63(1):279–87
Genetic variation in testicular development and its

relationship to female reproductive traits in swine. Young LD, et al. **J Anim Sci** 1986 Jul;63(1):17–26

Molecular genetic analyses of the major histocompatibility complex in pig families and recombinants. Chardon P, et al. **J Immunogenet** 1985 Jun;12(3):139–49

Effectiveness of genetic selection for prolificacy in pigs. Bichard M, et al. **J Reprod Fertil [Suppl]** 1985;33:127–38 (40 ref.)

Influencing prolificacy of sows by selection for physiological factors. Johnson RK, et al. **J Reprod Fertil [Suppl]** 1985; 33:139–49 (37 ref.)

Selection of breeds, strains and individual pigs for prolificacy. Legault C. **J Reprod Fertil [Suppl]** 1985;33:151–66 (48 ref.)

A gastrin gene is expressed in both porcine pituitary and antral mucosal tissues. Powell CT, et al. **Nucleic Acids Res** 1985 Oct 25;13(20):7299–305

[Individual variability and inheritance of the number and size of the nucleolar organizer regions in chromosomes of domestic swine] Vishnevskaia SS, et al. **Genetika** 1986 Apr; 22(4):690–8 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Topography and differential growth of the nasal ventral concha (os conchae nasalis ventralis) of the pig from birth to six weeks of age. Martineau-Doizé B, et al. **Am J Vet Res** 1986 Feb;47(2):416–21

Testicular descent in the rat and a comparison of this process in the rat with that in the pig. Wensing CJ. **Anat Rec** 1986 Feb;214(2):154–60

The development of acid and pepsin (EC 3.4.23.1) secretory capacity in the pig: the effects of age and weaning. I. Studies in anaesthetized pigs. Cranwell PD. **Br J Nutr** 1985 Jul;54(1):305–20

Morphometry of the intestine of the pig. II. Circumsection response to feeding schedules. Pekas JC. **Dig Dis Sci** 1986 Jan;31(1):90–6

Effect of breed of sire on growth of gilts and on subsequent reproductive performance. Hale OM, et al. **Growth** 1985 Autumn;49(3):367–74

Relationships of birth weight and pre-nursing concentrations of serum albumin to survival and growth rate in swine. Stone RT, et al. **Growth** 1985 Summer;49(2):263–70

Effect of space allowance and tylosin feeding on performance of growing–finishing pigs. NCR–89 Committee on Confinement Management of Swine. **J Anim Sci** 1986 Apr; 62(4):871–4

Sex-related reduced weight gains in growing swine fed diets containing deoxynivalenol. Cote LM, et al. **J Anim Sci** 1985 Oct;61(4):942–50

Evaluation of growth, carcass traits and reproductive organs of young boars in response to zeranol implantation. Denzer LE, et al. **J Anim Sci** 1986 May;62(5):1164–71

Effect of diet and exercise on performance, carcass traits and plasma components of growing–finishing barrows. Hale OM, et al. **J Anim Sci** 1986 Mar;62(3):665–71

Effects of feeding wheat contaminated with wild radish (Raphanus raphanistrum) to growing pigs. Hale OM, et al. **J Anim Sci** 1985 Nov;61(5):1172–7

Effect of biotin and(or) lysine additions to corn–soybean meal diets on the performance and nutrient balance of growing pigs. Hamilton CR, et al. **J Anim Sci** 1986 Jan;62(1):155–62

Effect of the beta-adrenergic agonist cimaterol (CL 263,780) on the growth and carcass characteristics of finishing swine. Jones RW, et al. **J Anim Sci** 1985 Oct;61(4):905–13

Developmental comparisons of boars and barrows: I. Growth rate, carcass and muscle characteristics. Knudson BK, et al. **J Anim Sci** 1985 Oct;61(4):789–96

Developmental comparisons of boars and barrows: II. Body composition and bone development. Knudson BK, et al. **J Anim Sci** 1985 Oct;61(4):797–801

Biological characteristics for assessing low phosphorus intake in finishing swine. Koch ME, et al. **J Anim Sci** 1986 Jan; 62(1):163–72

Liquid diets fed hourly to pigs weaned at 19 days of age and exposed to rotavirus (weanling diarrhea). Lecce JG, et al. **J Anim Sci** 1985 Nov;61(5):1043–8

Response of growing–finishing pigs to decreasing floor space allowance and(or) virginiamycin in diet. Moser RL, et al. **J Anim Sci** 1985 Aug;61(2):337–42

Effects of oral doses of corn oil and other factors on preweaning survival and growth of piglets. Pettigrew JE, et al. **J Anim Sci** 1986 Mar;62(3):601–12

Excess supplemental choline for swine. Southern LL, et al. **J Anim Sci** 1986 Apr;62(4):992–6

Effects of prepartum administration of 1,3-butanediol to sows on growth and survival of neonatal pigs. Stahly TS, et al. **J Anim Sci** 1985 Dec;61(6):1485–91

Growth, development and body composition in three genetic stocks of swine. Tess MW, et al. **J Anim Sci** 1986 Apr; 62(4):968–79

Growth, carcass composition and selected hormone concentrations of restricted-and ad libitum-fed pigs. Vandergrift WL, et al. **J Anim Sci** 1985 Dec;61(6):1454–9

Development of the masseter muscle and oral behavior in the pig. Herring SW, et al. **J Exp Zool** 1986 Feb; 237(2):191–207

Zinc requirement of the baby pig when fed wet–autoclaved spray–dried egg albumen as the protein source. Hankins CC, et al. **J Nutr** 1985 Dec;115(12):1600–12

Development of the neonatal lamb and piglet. Lindsay DB, et al. **Proc Nutr Soc** 1986 Feb;45(1):33–8

Causes of variation in the body composition of growing pigs. Whittemore CT. **Proc Nutr Soc** 1986 Feb;45(1):111–7

Effect of wheat bran and pectin on the absorption and retention of phosphorus, calcium, magnesium and zinc by the growing pig. Bagheri S, et al. **Reprod Nutr Dev** 1985; 25(4A):705–16

Alterations in piglet small intestinal structure at weaning. Hampson DJ. **Res Vet Sci** 1986 Jan;40(1):32–40

Influence of creep feeding and weaning on brush border enzyme activities in the piglet small intestine. Hampson DJ, et al. **Res Vet Sci** 1986 Jan;40(1):24–31

The effect of replacement of 0.30% sodium chloride by 0.43% sodium bicarbonate in rations of fattening pigs on leg weakness, osteochondrosis and growth. van der Wal PG, et al. **Vet Q** 1986 Apr;8(2):136–44

[Growth in weaned piglets and levels of iodothyronines in the blood during the administration of thyroactive substances] Dvořák M, et al. **Vet Med (Praha)** 1986 May; 31(5):265–76 (Eng. Abstr.) **(Cze)**

[A comparative study of the wellbeing of fattening pigs] Ruiterkamp WA. **Tijdschr Diergeneeskd** 1986 Jun 1; 111(11):520–8 (Eng. Abstr.) **(Dut)**

[Topographic anatomy of the facial bones of swine pups] Martineau-Doizé B, et al. **Anat Histol Embryol** 1986 Mar; 15(1):58–72 (Eng. Abstr.) **(Fre)**

[Effect of iodine, copper and zinc additions to the diet with a high proportion of coarse rape meal extract on the growth and thyroid function of fattening pigs. 1. The effect on fattening performance] Lüdke H, et al. **Arch Tierernahr** 1985 Dec;35(12):835–45 (Eng. Abstr.) **(Ger)**

[Nutritional effect of pectin in swine during growth and before slaughter] Lagreca L, et al. **Arch Latinoam Nutr** 1985 Mar;35(1):172–9 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Enzootic vesicular stomatitis New Jersey type in an insular feral swine population. Stallknecht DE, et al. **Am J Epidemiol** 1985 Nov;122(5):876–83

Immunologic reactions of pigs regrouped at or near weaning. Blecha F, et al. **Am J Vet Res** 1985 Sep;46(9):1934–7

Immunomodulation in weanling swine with dietary selenium. Blodgett DJ, et al. **Am J Vet Res** 1986 Jul;47(7):1517–9

Suppressive effect of nonviable Mycoplasma hyopneumoniae on phytohemagglutinin-induced transformation of swine lymphocytes. Kishima M, et al. **Am J Vet Res** 1985 Nov; 46(11):2366–8

Intradermal testing of swine to monitor changes in delayed hypersensitivity response. Mann D, et al. **Am J Vet Res** 1985 Nov;46(11):2363–5

Colostral transfer of Clostridium perfringens type C beta antitoxin in swine. Matisheck PH, et al. **Am J Vet Res** 1986 May;47(5):1132–3

Inhibition of African swine fever infection in the presence of immune sera in vivo and in vitro. Ruiz Gonzalvo F, et al. **Am J Vet Res** 1986 Jun;47(6):1249–52

Immune response in sows given transmissible gastroenteritis virus or canine coronavirus. Woods RD, et al. **Am J Vet Res** 1986 Jun;47(6):1239–42

Detection of a new non-MHC alloantigenic system (SLD) in pigs. Philipsen M, et al. **Anim Blood Groups Biochem Genet** 1985;16(3):175–82

Interferon-induced enhancement of newborn pig natural killing (NK) activity. Charley B, et al. **Ann Rech Vet** 1985; 16(4):399–402

Persistence of passive immunity to porcine parvovirus. Too HL, et al. **Aust Vet J** 1985 Aug;62(8):282–4

Production of porcine interleukin-2 and its biological and antigenic relationships with human interleukin-2. Charley B, et al. **Immunol Lett** 1985;10(3–4):121–6

Ontogeny of J chain expression in pig lymphocytes. Trebichavský I, et al. **Immunol Lett** 1985;10(5):287–91

Bactericidal effect of normal swine sera on Treponema hyodysenteriae. Joens LA, et al. **Infect Immun** 1986 Jan; 51(1):282–5

Vaccination of swine with an inactivated porcine parvovirus vaccine in the presence of passive immunity. Paul PS, et al. **J Am Vet Med Assoc** 1986 Feb 15;188(4):410–3

Recent changes in prevalence pattern of Japanese encephalitis virus in Hyogo Prefecture, Japan, using a two-dimensional distribution of IgG and IgM class antibody levels in swine sera. Yamaoka M, et al. **J Med Virol** 1985 Sep;17(1):1–7

Establishment of pregnancy and its immunological implications in the pig. Koch E. **J Reprod Fertil [Suppl]** 1985;33:65–81 (157 ref.)

Porcine IgG. Isolation of two IgG-subclasses and anti-IgG class- and subclass-specific antibodies. Bokhout BA, et al. **Mol Immunol** 1986 Jun;23(6):675–83

Prevalence of Hong Kong (H3N2) influenza virus-antibody in swine. Hirano T, et al. **Nippon Juigaku Zasshi** 1985 Aug; 47(4):633–8

Augmentation of porcine spontaneous cell-mediated cytotoxicity in vitro. Takamatsu H, et al. **Nippon Juigaku Zasshi** 1985 Oct;47(5):749–59

Haemophilus pleuropneumoniae (Actinobacillus pleuropneumoniae). Serotypes 8, 3 and 6. Serological response and cross immunity in pigs. Nielsen R. **Nord Vet Med** 1985 Jul–Aug;37(4):217–27

Serum antibodies to Leptospira bratislava in Swedish pigs and horses. Sandstedt K, et al. **Nord Vet Med** 1985 Sep–Oct; 37(5):312–3

B lymphocyte differentiation and suppressor activity by T lymphocytes derived from neonatal and sucking piglets. Suganuma A, et al. **Res Vet Sci** 1986 May;40(3):400–5

Characterization of monoclonal antibodies directed against swine leukocytes. Hammerberg C, et al. **Vet Immunol Immunopathol** 1986 Feb;11(2):107–21

Porcine lymphoblastoid cell lines of B-cell origin. Hammerberg C, et al. **Vet Immunol Immunopathol** 1985 Dec;10(4):367–80

Maternal–neonatal immunoregulation in swine. II. Influence of multiparity on de novo immunoglobulin synthesis by piglets. Klobasa F, et al. **Vet Immunol Immunopathol** 1986 Feb;11(2):149–59

Changes in the concentrations of serum IgG, IgA and IgM of sows throughout the reproductive cycle. Klobasa F, et al. **Vet Immunol Immunopathol** 1985 Dec;10(4):341–53

The influence of age and breed on the concentrations of serum IgG, IgA and IgM in sows throughout the reproductive cycle. Klobasa F, et al. **Vet Immunol Immunopathol** 1985 Dec;10(4):355–66

Vaccines against Aujeszky's disease: evaluation of their efficacy under standardized laboratory conditions. de Leeuw PW, et al. **Vet Q** 1985 Jul;7(3):191–7

Cells of sow mammary secretions. II. Characterization of lymphocyte populations. Schollenberger A, et al. **Zentralbl Veterinarmed [A]** 1986 Jan;33(1):39–46

Immunological and enzyme histochemical identification of lymphocyte subpopulations in pig lymphoreticular tissues. Denecke R, et al. **Zentralbl Veterinarmed [B]** 1985 Oct; 32(9):660–78

[Natural resistance and immunological reactivity in pigs weaned at various ages] Arsov R, et al. **Vet Med Nauki** 1986;23(3):34–41 (Eng. Abstr.) **(Bul)**

[Acid–base status and antibody production in pigs immunized with a vaccine against erysipelas] Gundasheva D, et al. **Vet Med Nauki** 1986;23(4):31–4 (Eng. Abstr.) **(Bul)**

[Study of porcine parvovirus antibodies on a breeding farm] Bouwkamp FT. **Tijdschr Diergeneeskd** 1985 Nov 15; 110(22):935–8 (Eng. Abstr.) **(Dut)**

[Swine alveolar macrophages: a review] Charley B. **Comp Immunol Microbiol Infect Dis** 1985;8(2):99–108 (47 ref.) (Eng. Abstr.) **(Fre)**

[Phagocytic activity of neutrophilic granulocytes and antibody formation in swine with positive and negative reactions to halothane] Schlenker G, et al. **Arch Exp Veterinarmed** 1986 Mar;40(2):272–6 (Eng. Abstr.) **(Ger)**

[Theoretical analysis of the spread of infection by Japanese encephalitis virus. II. Comparison between newly contracted infection rates in consecutive unit periods and seropositivity rates in swine with 2-mercaptoethanol-sensitive antibody] Yoshida Y, et al. **Kansenshogaku Zasshi** 1985 Dec;59(12):1241–8 (Eng. Abstr.) **(Jpn)**

[Swine serum increases hybridoma stability] Mantsygin IuA, et al. **Tsitologiia** 1985 Jul;27(7):822–7 (Eng. Abstr.) **(Rus)**

METABOLISM

In vitro study of bidirectional glycine transport in porcine small intestine. Boldizsár H, et al. **Acta Vet Hung** 1985; 33(1–2):59–73

Colicin production in relation to pathogenicity factors in strains of Escherichia coli isolated from the intestinal tract of piglets. Djønne BK. **Acta Vet Scand** 1985;26(2):145–52

Enterohepatic circulation of bile acids in pigs: diurnal pattern and effect of a reentrant biliary fistula. Legrand-Defretin V, et al. **Am J Physiol** 1986 Mar;250(3 Pt 1):G295–301

Effects of Escherichia coli heat-stable enterotoxin, atropine, clonidine, and morphine on chloride efflux from isolated enterocytes. Ahrens FA, et al. **Am J Vet Res** 1985 Oct; 46(10):2067–71

Serum and tissue alkaline phosphatases in pigs. Kierek-Jaszczuk D, et al. **Anim Blood Groups Biochem Genet** 1985;16(3):205–16

Studies on the secretion of amino acids and of urea into the gastrointestinal tract of pigs. 3. Secretion of urea determined by continuous intravenous infusion of 15N-urea. Bergner H, et al. **Arch Tierernahr** 1986 Jun; 36(6):479–90

The effects of treated straw meal on ileal and faecal digestibility of nutrients in pigs. Partridge IG, et al. **Arch Tierernahr** 1986 Apr–May;36(4–5):351–9

Intestinal absorption of end products from digestion of carbohydrates and proteins in the pig. Rerat AA. **Arch Tierernahr** 1985 Jul;35(7):461–80 (47 ref.)

Studies on the secretion of amino acids and of urea into the gastro intestinal tract of pigs. 2. Net secretion of leucine into the small and large intestines. Zebrowska T, et al. **Arch Tierernahr** 1986 Jan;36(1):17–24

The effect of indigestible particles on digestive transit time and colonic motility in dogs and pigs. Cherbut C, et al. **Br J Nutr** 1985 May;53(3):549–57

The digestion of protein in young pigs and the utilization of dietary methionine. Leibholz J. **Br J Nutr** 1985 Jan; 53(1):137–47

An evaluation of total and digestible lysine as a predictor of lysine availability in protein concentrates for young pigs. Leibholz J. **Br J Nutr** 1985 May;53(3):615–24

The digestion of fibre by pigs. 2. Volatile fatty acid concentrations in large intestine digesta. Stanogias G, et al. **Br J Nutr** 1985 May;53(3):531–6

The digestion of fibre by pigs. 1. The effects of amount and type of fibre on apparent digestibility, nitrogen balance and rate of passage. Stanogias G, et al. **Br J Nutr** 1985 May;

53(3):513–30
The digestion of fibre by pigs. 3. Effects of the amount and type of fibre on physical characteristics of segments of the gastrointestinal tract. Stanogias G, et al. **Br J Nutr** 1985 May;53(3):537–48
Vitamin B12 absorption in the neonatal piglet. 3. Influence of vitamin B12–binding protein from sows' milk on uptake of vitamin B12 by microvillus membrane vesicles prepared from small intestine of the piglet. Trugo NM, et al. **Br J Nutr** 1985 Jul;54(1):269–83
Vitamin B12 absorption in the neonatal piglet. 1. Studies in vivo on the influence of the vitamin B12–binding protein from sows' milk on the absorption of vitamin B12 and related compounds. Trugo NM, et al. **Br J Nutr** 1985 Jul; 54(1):245–55
Vitamin B12 absorption in the neonatal piglet. 2. Resistance of the vitamin B12–binding protein in sows' milk to proteolysis in vivo. Trugo NM, et al. **Br J Nutr** 1985 Jul; 54(1):257–67
Biochemical and immunohistochemical evidence for the presence of motilin in pig cerebellum. Fratta W, et al. **Brain Res** 1985 Aug 19;341(1):171–5
The concentrations of copper, zinc, manganese and selenium in the hair of newborn piglets and their dams. Friendship RM, et al. **Can J Comp Med** 1985 Jul;49(3):308–10
Porcine malignant hyperthermia susceptibility: increased calcium-sequestering activity of skeletal muscle sarcoplasmic reticulum. O'Brien PJ. **Can J Vet Res** 1986 Jul;50(3):329–37
Porcine malignant hyperthermia susceptibility: hypersensitive calcium-release mechanism of skeletal muscle sarcoplasmic reticulum. O'Brien PJ. **Can J Vet Res** 1986 Jul;50(3):318–28
Effects of acute and chronic treatment with glucocorticoids on the intestinal absorption of calcium and phosphate and on plasma 1,25-dihydroxyvitamin D levels in pigs. Fox J, et al. **Clin Sci** 1985 Nov;69(5):553–9
Bile acid metabolism in the pig. Tracy JD, et al. **Cornell Vet** 1986 Apr;76(2):128–38
Immunoassay of pig and human gastric proton pump. Smolka A, et al. **Gastroenterology** 1986 Mar;90(3):532–9
Radiocesium concentrations in two populations of feral hogs. Stribling HL, et al. **Health Phys** 1986 Jun;50(6):852–4
Further studies on Pu metabolism by swine. Sullivan MF, et al. **Health Phys** 1986 Jun;50(6):855–9
Effect of dry, high-moisture and reconstituted normal and high-lysine corn diets and particle size on energy and nitrogen metabolism in growing swine. Asche GL, et al. **J Anim Sci** 1986 Jul;63(1):131–8
Steroid hormone pathways in the pig, with special emphasis on boar odor: a review. Brooks RI, et al. **J Anim Sci** 1986 Mar;62(3):632–45 (107 ref.)
Role of uteroferrin in placental iron transport in swine: relationship between uteroferrin levels and iron deposition in the conceptus during gestation. Ducsay CA, et al. **J Anim Sci** 1986 Mar;62(3):706–16
The distribution of orally administered 14C-aniline HCl in tissues of dairy cattle, swine and laying pullets. Eisele GR, et al. **J Anim Sci** 1985 Dec;61(6):1492–7
Clearance rate of luteinizing hormone and follicle stimulating hormone from peripheral circulation in the pig. Esbenshade KL, et al. **J Anim Sci** 1986 Jun;62(6):1649–53
Zinc-amino acid complexes for swine. Hill DA, et al. **J Anim Sci** 1986 Jul;63(1):121–30
Aromatic amino acid requirement of the lactating sow. Lellis WA, et al. **J Anim Sci** 1985 Dec;61(6):1448–53
Threonine requirement of pigs weighing 5 to 15 kg. Lewis AJ, et al. **J Anim Sci** 1986 Jun;62(6):1617–23
Tryptophan requirement of growing swine as determined by the oxidation of an indicator amino acid. Lin FD, et al. **J Anim Sci** 1986 Mar;62(3):660–4
Effect of age, weaning and diet on digestive enzyme levels in the piglet. Lindemann MD, et al. **J Anim Sci** 1986 May; 62(5):1298–307
Adipose tissue fatty acid metabolism during pregnancy in swine. McNamara JP, et al. **J Anim Sci** 1985 Aug; 61(2):410–5
Interaction between energy level in the diet and environmental temperature on the utilization of energy in growing pigs. Noblet J, et al. **J Anim Sci** 1985 Aug; 61(2):452–9
The effects of a dietary antimicrobial on the biological half-life of chenodeoxycholic acid and plasma bile acid concentration patterns in the young pig. Tracy JD, et al. **J Anim Sci** 1986 Apr;62(4):997–1004
Simultaneous observations of iodothyronine content in the thyroid gland, serum and thyroxine 5'- and 5-monodeiodinase activity in liver, during the neonatal period of the pig. Brzezińska-Slebodzińska E, et al. **J Dev Physiol** 1986 Apr;8(2):79–86
Oestrogens in fetal and maternal fluids throughout pregnancy in the pig and comparisons with the ewe and cow. Robertson HA, et al. **J Endocrinol** 1985 Sep;106(3):355–60
Lipid analysis of immature pig oocytes. Homa ST, et al. **J Reprod Fertil** 1986 Jul;77(2):425–34
Sulfatroxazole: pharmacokinetics, metabolism and urinary excretion in goats and pigs. Kinabo LD, et al. **J Vet Pharmacol Ther** 1986 Mar;9(1):55–62
The estimation of drug residue in pig kidney by repeated biopsy. Takahashi Y, et al. **Nippon Juigaku Zasshi** 1985 Oct;47(5):705–9
Presence of abscisic acid, a phytohormone, in the mammalian brain. Le Page-Degivry MT, et al. **Proc Natl Acad Sci USA** 1986 Feb;83(4):1155–8
[Fluctuation in the concentration of sex steroids and aflatoxin B1 in the seminal plasma of boars and its relation to sperm production] Picha J, et al. **Vet Med (Praha)** 1986 Jun; 31(6):347–57 (Eng. Abstr.) (Cze)
[Quantitative measurement of postprandial exchanges of urea and ammonia nitrogen between the digestive tract and portal blood in the pig] Rérat A. **Bull Acad Natl Med (Paris)** 1986 Jan;170(1):47–54 (Eng. Abstr.) (Fre)
[Absence of effect of vitamin D on intestinal phytase and alkaline phosphatase: relation with phytic phosphorus in the pig] Fontaine N, et al. **Reprod Nutr Dev** 1985; 25(4A):717–27 (Eng. Abstr.) (Fre)
[The boar taint substance, 16-androstenone: radioimmunoassay of adipose tissue following semi-micro saponification] Kaufmann G, et al. **Arch Exp Veterinarmed** 1986 May;40(3):453–60 (Eng. Abstr.) (Ger)
[Catalase activity in the liver, kidney, myocardium, lung, skeletal muscles and hemolysates of normally developed piglets and piglets with splayleg syndrome as well as in several tissues of adult pigs] Kühne S, et al. **Arch Exp Veterinarmed** 1986 May;40(3):417–24 (Eng. Abstr.) (Ger)
[ATPase activity in the nervous system of fetuses, healthy piglets and piglets with splayleg syndrome] Leo M, et al. **Arch Exp Veterinarmed** 1986 May;40(3):406–16 (Eng. Abstr.) (Ger)
[Ion levels in spermatozoa and seminal plasma of the boar and ram] Petzoldt R, et al. **Arch Exp Veterinarmed** 1986 May;40(3):469–77 (Eng. Abstr.) (Ger)
[Fe, Cu and Zn contents in various organs, tissues of the central nervous system and skeletal muscles of normally developed piglets and splayleg piglets of different body weight] Weber P, et al. **Arch Exp Veterinarmed** 1986 May; 40(3):425–35 (Eng. Abstr.) (Ger)
[Relation between 15N excretion in feces following oral 15N urea administration and blood urea concentration in relation to raw fiber intake in swine] Bergner H, et al. **Arch Tierernahr** 1985 Aug;35(8):535–43 (Eng. Abstr.) (Ger)
[Energy requirement for the maintenance and utilization of energy convertible to protein and fat deposits in piglets] Gädeken D, et al. **Arch Tierernahr** 1985 Jul;35(7):481–94 (Eng. Abstr.) (Ger)
[Use of sugar beet in porcine nutrition. 1. Effect of various methods of treatment on the gastrointestinal tract] Kesting U, et al. **Arch Tierernahr** 1986 Jun;36(6):499–507 (Eng. Abstr.) (Ger)
[The influence of cellulose and various starches in feed on nitrogen metabolism in growing swine] Liebert F, et al. **Arch Tierernahr** 1986 Jan;36(1):35–44 (Eng. Abstr.) (Ger)
[Nitrogen and amino acid absorption in the small intestine of growing pigs. 2. Apparent and true crude protein digestibility and amino acid absorption to the end of the small intestine] Schumann B, et al. **Arch Tierernahr** 1986 Jun;36(6):491–8 (Eng. Abstr.) (Ger)
[Exocrine pancreas secretion in swine after feeding soybean extract meal] Souffrant WB, et al. **Arch Tierernahr** 1985 Jun;35(6):383–9 (Eng. Abstr.) (Ger)
[Nitrogen and amino acid resorption in the small intestine of growing swine. 1. Animal study method, nitrogen content and amino acid composition of the small intestine chyme by administration of various proteins] Souffrant WB, et al. **Arch Tierernahr** 1985 Nov;35(11):781–9 (Eng. Abstr.) (Ger)
[Protein supply and the use of carbadox in growing swine] Wenk C, et al. **Arch Tierernahr** 1986 Jan;36(1):45–54 (Eng. Abstr.) (Ger)
[Behavior of chloramphenicol residues following intramuscular administration in swine] Boertz AK, et al. **Z Ernahrungswiss** 1985 Jun;24(2):113–9 (Eng. Abstr.) (Ger)
[Fattening performance, nutrient digestibility and gastric mucosal changes in swine receiving feed of various particle sizes. I. The effect of various grades of feed grind] Kirchgessner M, et al. **Zentralbl Veterinarmed [A]** 1985 Oct; 32(9):641–51 (Eng. Abstr.) (Ger)
[Fattening performance, nutrient digestibility and gastric mucosal changes in swine receiving feed of various particle sizes. II. The effect of a supplement of Na-polyacrylate and coarse oat bran] Roth FX, et al. **Zentralbl Veterinarmed [A]** 1985 Oct;32(9):652–61 (Eng. Abstr.) (Ger)
[Fe balances of pregnant and lactating breeding sows by different alimentary iron administration] Roth-Maier DA, et al. **Zentralbl Veterinarmed [A]** 1985 Dec;32(10):739–51 (Eng. Abstr.) (Ger)

MICROBIOLOGY

Alveolar phospholipids of 17-day-old pigs exposed to microorganisms of nonpulmonic origin. Engen RL, et al. **Am J Vet Res** 1986 Jan;47(1):35–8
Isolation of Yersinia enterocolitica strains from pigs and wild boars [letter] Figura N, et al. **Boll Ist Sieroter Milan** 1985; 64(4):345–6
A comparison of methods for demonstrating colonization in the small intestine of piglets by enterotoxigenic Escherichia coli. Morris JA, et al. **Br Vet J** 1985 Sep-Oct;141(5):484–9
Antigenic characterization of influenza A (H1N1) viruses recently isolated from pigs and turkeys in France. Aymard M, et al. **Bull WHO** 1985;63(3):537–42
Streptococcus suis in slaughter pigs and abattoir workers. Breton J, et al. **Can J Vet Res** 1986 Jul;50(3):338–41
Infection of gnotobiotic pigs with an Escherichia coli O157:H7 strain associated with an outbreak of hemorrhagic colitis. Francis DH, et al. **Infect Immun** 1986 Mar; 51(3):953–6
Effects of dietary chlortetracycline on the antimicrobial resistance of porcine faecal streptococcaceae. Molitoris E, et al. **J Appl Bacteriol** 1986 Feb;60(2):111–20
Morphological variations of Haemophilus parasuis strains. Morozumi T, et al. **J Clin Microbiol** 1986 Jan;23(1):138–42
Characterization of Haemophilus spp. isolated from healthy swine and evaluation of cross-reactivity of complement-fixing antibodies to Haemophilus pleuropneumoniae and Haemophilus taxon "minor group" Rapp VJ, et al. **J Clin Microbiol** 1985 Dec;22(6):945–50
Isolation of a paramyxovirus from pigs in Israel and its antigenic relationships with avian paramyxoviruses. Lipkind M, et al. **J Gen Virol** 1986 Mar;67 (Pt 3):427–39
A comparison of swab and maceration methods for bacterial sampling of pig carcasses. Morgan IR, et al. **J Hyg (Lond)** 1985 Oct;95(2):383–90
Eperythrozoon in captive juvenile collared peccaries in Texas. Hannon PG, et al. **J Wildl Dis** 1985 Oct;21(4):439–40
Antibodies to vesicular stomatitis virus in populations of feral swine in the United States. Stallknecht DE, et al. **J Wildl Dis** 1986 Jul;22(3):320–5
A probable new adhesive factor (F42) produced by enterotoxigenic Escherichia coli isolated from pigs. Yano T, et al. **Microbiol Immunol** 1986;30(6):495–508
Experimental subcutaneous granulomas in sheep with Dermatophilus-like microorganisms from porcine tonsil. Momotani E, et al. **Mycopathologia** 1985 Sep;91(3):143–9
A cytomegalovirus isolated from swine testicle cell culture. Shirai J, et al. **Nippon Juigaku Zasshi** 1985 Oct; 47(5):697–703
Isolation of Rhodococcus (Corynebacterium) equi and atypical mycobacteria from the lymph nodes of healthy pigs. Takai S, et al. **Nippon Juigaku Zasshi** 1986 Apr; 48(2):445–8
Isolation and some properties of Staphylococcus hyicus subsp. hyicus from pigs, chickens and cows. Takeuchi S, et al. **Nippon Juigaku Zasshi** 1985 Oct;47(5):841–3
Identification and characterization of Streptococcus suis. Hommez J, et al. **Vet Microbiol** 1986 Apr;11(4):349–55
The prevalence of different porcine phenotypes in the Netherlands concerning adherence of K88-positive Escherichia coli to intestinal epithelium. Bijlsma IG, et al. **Vet Q** 1985 Jul;7(3):246–8
Porcine bacterial flora [letter] Elliott G. **Vet Rec** 1986 Mar 1;118(9):251
Boars as carriers of leptospires of the Australis serogroup on farms with an abortion problem. Ellis WA, et al. **Vet Rec** 1986 May 17;118(20):563
Leptospires in pig urogenital tracts and fetuses. Ellis WA, et al. **Vet Rec** 1985 Jul 20;117(3):66–7
Isolation of Yersinia species from pigs in Nigeria. Lombin LH, et al. **Vet Rec** 1985 Oct 5;117(14):364
Identification of serotypes of Haemophilus pleuropneumoniae by counterimmunoelectrophoresis. Piffer IA, et al. **Vet Rec** 1986 Mar 15;118(11):292–4
Porcine parvovirus: a serological survey in the United Kingdom January 1984 to January 1985. Robinson BT, et al. **Vet Rec** 1985 Dec 7;117(23):611–2
Presence of zoonotic campylobacters in cattle and swine for consumption in Argentina. Piazza D, et al. **Vet Res Commun** 1986 Jul;10(4):303–8
Antibacterial mechanism of volatile fatty acids in the intestinal tract of pigs against Escherichia coli. Prohászka L. **Zentralbl Veterinarmed [B]** 1986 Apr;33(3):166–73
[Antibiotic-resistant coliforms in a purification station on a pig-breeding farm] Avignon M, et al. **Ann Rech Vet** 1985; 16(3):245–53 (Eng. Abstr.) (Fre)
[Effect of metronidazole on gastrointestinal flora in young swine] Schulze F, et al. **Arch Exp Veterinarmed** 1985 May; 39(3):441–9 (Eng. Abstr.) (Ger)
[Microbial metabolites in the digesta of piglets after feeding] Schnabel E, et al. **Arch Tierernahr** 1985 Sep;35(9):623–8 (Eng. Abstr.) (Ger)

PARASITOLOGY

A new filarial nematode (Onchocercidae) from warthogs (Phacochoerus aethiopicus) of the Kruger National Park. Palmieri JR, et al. **J Helminthol** 1985 Sep;59(3):241–5
Infectivity in rodents and cold resistance of Trichinella spiralis isolated from pig and polar bear, and T. pseudospiralis. Ooi HK, et al. **Jpn J Vet Res** 1986 Apr; 34(2):105–10
[Trichinella spiralis as a teacher or the parasite-host relationship between a threadworm and an institute] Ruitenberg EJ, et al. **Tijdschr Diergeneeskd** 1986 Mar 15; 111(6):275–81 (Eng. Abstr.) (Dut)
[Sensitivity of the card agglutination test (Testryp CAAT) in porcine infection with Trypanosoma (Nannomonas) congolense in the People's Republic of the Congo] Noireau F, et al. **Ann Soc Belg Med Trop** 1986;66(1):63–8 (Eng. Abstr.) (Fre)
[Experimental infection of swine with an Italian strain of Trichinella sp. and resistance of the larvae in various delicatessen products] Pozio E, et al.

Ann Ist Super Sanita 1986;22(1):461–3 (Ita)
[Wild ungulates as a food source for ixodid ticks in Belorussia] Savitskiĭ BP. **Parazitologiia** 1985 Jul–Aug; 19(4):314–6 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Ova transport and fertility after resection of the oviductal isthmus in pigs. Rodriguez-Martinez H, et al. **Acta Vet Scand** 1985;26(2):218–30
Pulsatile administration of gonadotropin releasing hormone (Gn-RH) to lactating sows using a portable automatic pump ("Zyklomat").Rojanasthien S, et al. **Acta Vet Scand** 1985;26(4):442–8
Intestinal blood flow and O2 uptake during hypoxemia in the newborn piglet. Nowicki PT, et al. **Am J Physiol** 1986 Jul;251(1 Pt 1):G19–24
Binding characteristics of swine erythrocyte insulin receptors. Dieberg G, et al. **Am J Vet Res** 1985 Sep; 46(9):1929–33
Placental growth in the pig. Wigmore PM, et al. **Anat Embryol (Berl)** 1985;173(2):263–8
Studies on the secretion of amino acids and of urea into the gastro intestinal tract of pigs. 1. Secretion of leucine into the stomach and upper part of the duodenum during continuous intravenous infusion of 14C-leucine. Simon O, et al. **Arch Tierernahr** 1986 Jan;36(1):5–16
Measurement of semen production rates of boars. Cameron RD. **Aust Vet J** 1985 Sep;62(9):301–4
Factors influencing semen characteristics in boars. Cameron RD. **Aust Vet J** 1985 Sep;62(9):293–7
The influence of season on sow weaning to estrus interval and subsequent reproductive performance following estrus synchronization by batch weaning. Somade B, et al. **Beitr Trop Landwirtsch Veterinarmed** 1985;23(3):339–43
Catecholamines in sow graafian follicles at proestrus and at diestrus. Fernández-Pardal J, et al. **Biol Reprod** 1986 Apr; 34(3):439–45
Increased uterine vascular permeability at the time of embryonic attachment in the pig. Keys JL, et al. **Biol Reprod** 1986 Mar;34(2):405–11
Studies on rapeseed meal from different varieties of rape in the diets of gilts. I. Effects on attainment of puberty, ovulation rate, conception and embryo survival of the first litter. Lee PA, et al. **Br Vet J** 1985 Nov–Dec;141(6):581–91
Studies on rapeseed meal from different varieties of rape in the diets of gilts. II. Effects on farrowing performance of gilts, performance of their piglets to weaning and subsequent conception of the gilts. Lee PA, et al. **Br Vet J** 1985 Nov–Dec;141(6):592–602
Circadian rhythms in the pig. Ingram DL, et al. **Comp Biochem Physiol [A]** 1985;82(1):1–5 (57 ref.)
Lymph, pancreatic and gastrointestinal hormones in response to feeding in the conscious pig. Manolas KJ, et al. **Eur Surg Res** 1985;17(5):324–32
Role of uteroferrin in transplacental iron transport in the pig. Roberts RM, et al. **Fed Proc** 1986 Sep;45(10):2513–8 (40 ref.)
Serum progesterone, estradiol-17 beta, and glucocorticoids in the collared peccary during gestation and lactation as influenced by dietary protein and energy. Hellgren EC, et al. **Gen Comp Endocrinol** 1985 Sep;59(3):358–68
The effect of duration of sprinkling on total moisture losses from pigs. Vajrabukka C, et al. **Int J Biometeorol** 1986 Jun;30(2):185–8
The effect of meal intervals and weaning on feed intake of early weaned pigs. Bark LJ, et al. **J Anim Sci** 1986 May; 62(5):1233–9
Digestibility of fiber components and reproductive performance of sows fed high levels of alfalfa meal. Calvert CC, et al. **J Anim Sci** 1985 Sep;61(3):595–602
The effect of duration of boar exposure on the frequency of gilts reaching first estrus. Caton JS, et al. **J Anim Sci** 1986 May;62(5):1210–4
The effect of confinement on days to puberty in gilts. Caton JS, et al. **J Anim Sci** 1986 May;62(5):1203–9
Effect of dietary fat on pig performance and dust levels in modified-open-front and environmentally regulated confinement buildings. Chiba LI, et al. **J Anim Sci** 1985 Oct;61(4):763–81
Follicular development during the prepuberal period of different morphological types of ovaries in Hampshire and Yorkshire gilts fed two planes of nutrition. Dufour JJ, et al. **J Anim Sci** 1985 Nov;61(5):1201–10
Effects of L-dopa supplementation on concentrations of brain catechols, dopamine receptor binding and the incidence of pale, soft and exudative meat in stress-susceptible pigs. Erlander MG, et al. **J Anim Sci** 1985 Oct;61(4):914–23
Effect of streptozotocin-induced diabetes in primiparous swine on subsequent reproductive performance. Ezekwe MO. **J Anim Sci** 1986 Apr;62(4):1005–11
Follicular fluid concentrations of estradiol-17 beta and progesterone and secretory patterns of LH and FSH in prepubertal gilts reared in confinement or outdoor lots. Grieger DM, et al. **J Anim Sci** 1986 Mar;62(3):751–8
Effects of dietary alfalfa-orchardgrass hay and lasalocid on sow reproductive performance. Holzgraefe DP, et al. **J Anim Sci** 1986 May;62(5):1145–53
Effect of number of conceptuses on maternal hormone concentrations in the pig. Kensinger RS, et al. **J Anim Sci** 1986 Jun;62(6):1666–74
Effect of feed and(or) water deprivation prior to weaning on reproductive performance of sows: a cooperative study. Knabe DA, et al. **J Anim Sci** 1986 Jan;62(1):1–8
Susceptibility to stress, postmortem muscle metabolism and meat quality of pigs after modification of the fluid volume of the vascular and extravascular spaces. Kolczak T, et al. **J Anim Sci** 1986 Mar;62(3):646–59
Reproductive performance of sows fed elevated calcium and phosphorus levels during growth and development. Kornegay ET, et al. **J Anim Sci** 1985 Dec;61(6):1460–6
The effect of pen density during rearing on subsequent reproductive performance in gilts. Kuhlers DL, et al. **J Anim Sci** 1985 Nov;61(5):1066–9
The efficacy of salinomycin as a growth promotant for swine from 9 to 97 kg. Lindemann MD, et al. **J Anim Sci** 1985 Oct;61(4):782–8
The effects of vomitoxin and feed intake on the performance and blood characteristics of young pigs. Lun AK, et al. **J Anim Sci** 1985 Nov;61(5):1178–85
A quantitative ethogram of aggressive and submissive behaviors in recently regrouped pigs. McGlone JJ. **J Anim Sci** 1985 Sep;61(3):559–65
Interval to first postweaning estrus and causes for leaving the breeding herd in Large White, Landrace, Yorkshire and Chester White females after three parities. Maurer RR, et al. **J Anim Sci** 1985 Dec;61(6):1327–34
Perinatal piglets under sublethal concentrations of atmospheric carbon monoxide. Morris GL, et al. **J Anim Sci** 1985 Nov;61(5):1070–9
Effect of dietary energy intake during lactation on performance of primiparous sows and their litters. Nelssen JL, et al. **J Anim Sci** 1985 Nov;61(5):1164–71
Blood flow and steroid and nutrient uptake of the gravid uterus and fetus of sows. Reynolds LP, et al. **J Anim Sci** 1985 Oct;61(4):968–74
Effects of adding fat to the sow lactation diet on lactation and rebreeding performance. Shurson GC, et al. **J Anim Sci** 1986 Mar;62(3):672–80
Altrenogest and fat for summer breeding of primiparous sows. Stevenson JS, et al. **J Anim Sci** 1985 Aug;61(2):480–6
Active immunization of prepubertal boars against testosterone: testicular and endocrine responses at 14 months of age. Thompson DL Jr, et al. **J Anim Sci** 1985 Dec;61(6):1498–504
Mating behavior, boar-to-boar behavior during rearing and soundness of boars penned individually or in groups from 6 to 27 weeks of age. Tonn SR, et al. **J Anim Sci** 1985 Aug;61(2):287–96
Effect of boar presence before and after weaning on estrus and ovulation in sows. Walton JS. **J Anim Sci** 1986 Jan; 62(1):9–15
Pancreatic alpha cell function in the fetal and newborn pig. Silver M, et al. **J Endocrinol** 1986 Jan;108(1):137–42
The influence of wheat bran and sugar-beet pulp on the digestibility of dietary components in a cereal-based pig diet. Graham H, et al. **J Nutr** 1986 Feb;116(2):242–51
Effects of dietary sodium and chloride on growth, efficiency of feed utilization, plasma electrolytes and plasma basic amino acids in young pigs. Honeyfield DC, et al. **J Nutr** 1985 Oct;115(10):1366–71
Insulin involvement in intestinal macromolecular transmission and closure in neonatal pigs. Svendsen LS, et al. **J Pediatr Gastroenterol Nutr** 1986 Mar-Apr; 5(2):299–304
Role of conceptus secretory products in establishment of pregnancy. Bazer FW, et al. **J Reprod Fertil** 1986 Mar; 76(2):841–50 (61 ref.)
A preovulatory temperature gradient between the isthmus and ampulla of pig oviducts during the phase of sperm storage. Hunter RH, et al. **J Reprod Fertil** 1986 Jul; 77(2):599–606
Nutrition and sow prolificacy. Aherne FX, et al. **J Reprod Fertil [Suppl]** 1985;33:169–83 (75 ref.)
Control of follicular development during and after lactation in sows. Britt JH, et al. **J Reprod Fertil [Suppl]** 1985; 33:37–54 (101 ref.)
Maturation of ovarian follicles in the prepubertal gilt. Christenson RK, et al. **J Reprod Fertil [Suppl]** 1985; 33:21–36 (97 ref.)
Influence of light and photoperiodicity on pig prolificacy. Claus R, et al. **J Reprod Fertil [Suppl]** 1985;33:185–97 (81 ref.)
Effect of migration, distribution and spacing of pig embryos on pregnancy and fetal survival. Dziuk P. **J Reprod Fertil [Suppl]** 1985;33:57–63 (37 ref.)
Effects of the ovary and conceptus on uterine blood flow in the pig. Ford SP, et al. **J Reprod Fertil [Suppl]** 1985; 33:83–90 (38 ref.)
Basic physiology of follicular maturation in the pig. Foxcroft GR, et al. **J Reprod Fertil [Suppl]** 1985;33:1–19 (88 ref.)
Control of time of parturition in pigs. Guthrie HD. **J Reprod Fertil [Suppl]** 1985;33:229–44 (70 ref.)
Control of pig reproduction in a breeding programme. Martinat-Botté F, et al. **J Reprod Fertil [Suppl]** 1985; 33:211–28 (66 ref.)
Influence of environmental temperature on prolificacy of pigs. Wettemann RP, et al. **J Reprod Fertil [Suppl]** 1985; 33:199–208 (81 ref.)
Effect of calyceal resection on pelviureteral peristalsis in isolated pig kidney. Morita T, et al. **J Urol** 1986 Jan; 135(1):151–4
Effect of azaperone on cardiovascular responsiveness in stress-sensitive pigs. Gregory NG, et al. **J Vet Pharmacol Ther** 1986 Jun;9(2):164–70
Endocrine and metabolic responses of the collared peccary (Tayassu tajacu) to immobilization with ketamine hydrochloride. Hellgren EC, et al. **J Wildl Dis** 1985 Oct; 21(4):417–25
Development of a semi-inbred line of Landrace pigs. I. Breeding performance and immunogenetic characteristics. Hradecký J, et al. **Lab Anim** 1985 Oct;19(4):279–83
A rearing system for colostrum-deprived neonatal piglets. Varley MA, et al. **Lab Anim** 1985 Oct;19(4):290–6
Changes in free fatty acids and triiodothyronine in response to feeding in pigs. Houpt KA, et al. **Physiol Behav** 1986; 37(4):573–6
Effects of ambient temperature and thyroid hormones on food intake by pigs. Macari M, et al. **Physiol Behav** 1986; 36(6):1035–9
Effects of feeding, fasting and refeeding on growth hormone and insulin in obese pigs. McCusker RH, et al. **Physiol Behav** 1985 Sep;35(3):383–8
Similarities and differences between intake control mechanisms in pigs, chickens and ruminants. Forbes JM. **Proc Nutr Soc** 1985 Jul;44(2):331–8
The importance of voluntary feed intake in pigs. Fowler VR. **Proc Nutr Soc** 1985 Jul;44(2):347–53
The physiological determination of meal size in pigs. Houpt TR. **Proc Nutr Soc** 1985 Jul;44(2):323–30
Pig slaughtering procedures: time to loss of brain responsiveness after exsanguination of cardiac arrest. Wotton SB, et al. **Res Vet Sci** 1986 Mar;40(2):148–51
Modest effect of temperature on the porcine oxygen dissociation curve. Willford DC, et al. **Respir Physiol** 1986 May;64(2):113–23
Dynamics of the urinary tract in longterm vesico-ureteral reflux with infravesical obstruction and infection in pigs. V. Jörgensen TM, et al. **Scand J Urol Nephrol** 1985; 19(2):113–7
The cycle index, an alternative to the farrowing index converted to a yearly basis. Wierda A, et al. **Vet Q** 1986 Jan;8(1):40–4
A new method for monitoring oviductal intraluminal pressure changes in the unrestrained sow. Henriksson A, et al. **Vet Res Commun** 1986 May;10(3):223–8
[Age and sex characteristics of the level of thyroid hormone synthesis in the Camborough hybrid] Georgiev P, et al. **Vet Med Nauki** 1986;23(2):43–7 (Eng. Abstr.) (Bul)
[Effect of potentiated anesthesia on clinical indices in boars] Golemanov D, et al. **Vet Med Nauki** 1986;23(4):48–53 (Eng. Abstr.) (Bul)
[Changes in micro- and macroelements as affected by sex and age in hybrid pigs] Petkov PI, et al. **Vet Med Nauki** 1986;23(2):23–8 (Eng. Abstr.) (Bul)
[The effect of Oestrophan Spofa (synthetic analog of prostaglandin F2 alpha) added to the insemination dose on pregnancy and fertility in sows] Kozumplík J, et al. **Vet Med (Praha)** 1986 Apr;31(4):227–32 (Eng. Abstr.) (Cze)
[The use of a heat detector in sows] Schrooyen JA. **Tijdschr Diergeneeskd** 1986 May 1;111(9):430–3 (Eng. Abstr.) (Dut)
[Toxicologic studies on irradiated feed in pigs] Strik JJ. **Tijdschr Diergeneeskd** 1966 Mar 1;111(5):240–3 (Eng. Abstr.) (Dut)
[Enzyme metabolic and contractile activities of 30 pig muscles. Relation with the final ph attained after death] Laborde D, et al. **Reprod Nutr Dev** 1985;25(4A):619–28 (Eng. Abstr.) (Fre)
[Selected endocrinologic, hematologic and immunologic parameters in swine following bronchoscopy study under short-term barbiturate anesthesia] Neumann R, et al. **Arch Exp Veterinarmed** 1985 Nov;39(6):805–16 (Eng. Abstr.) (Ger)
[Methodological studies of the phagocytosis of alveolar macrophages of swine using a radioreagent technic] Neumann R, et al. **Arch Exp Veterinarmed** 1985 Jul; 39(4):535–44 (Eng. Abstr.) (Ger)
[Stress loading test of slaughter pigs by the injection of succicuran] Nowak A, et al. **Arch Exp Veterinarmed** 1985 Nov;39(6):817–24 (Eng. Abstr.) (Ger)
[Rectal electropotential measurement in swine] Rohrmann H, et al. **Arch Exp Veterinarmed** 1985 Jul;39(4):565–72 (Eng. Abstr.) (Ger)
[Rectal temperature, hemoglobin concentration of blood as well as glucose and lactose levels of blood plasma in consecutive locomotive stresses in fattening swine] Steinhardt M, et al. **Arch Exp Veterinarmed** 1985 May; 39(3):355–65 (Eng. Abstr.) (Ger)
[Osmotic erythrocyte resistance in swine with differential reactions to halothane] Wiegand C, et al. **Arch Exp Veterinarmed** 1986 Mar;40(2):232–41 (Eng. Abstr.) (Ger)
[Use of partially hydrolyzed and untreated straw meal in the feeding of breeding sows. 3. Nutrient digestibility, feed passage time and mineral balance with the addition of variously treated straw materials compared to concentrate feeding alone] Münchow H, et al. **Arch Tierernahr** 1986 Apr-May;36(4-5):381–95 (Eng. Abstr.) (Ger)
[Effect of iodine, copper and zinc supplements to rations with a high quota of rapeseed extract meal on the growth and thyroid function of fattening swine. 2. The effect of the iodine supplement on nutrient digestibility and on protein and energy retention] Schöne F, et al. **Arch Tierernahr** 1986 Apr-May;36(4-5):361–9 (Eng. Abstr.) (Ger)
[Effect of iodine, copper and zinc supplements to rations with

a high quota of rapeseed extract meal on the growth and thyroid function of fattening swine. 3. The effect on weight and the histomorphometric findings in the thyroid and on the serum T3 and T4 concentrations] Schöne F, et al. **Arch Tierernahr** 1986 Apr-May;36(4-5):371-80 (Eng. Abstr.) **(Ger)**

[Adaptation of breeding swine to high environmental temperatures and delimitation of tolerance ranges of thermically stressed swine populations] Poetschke J. **Beitr Trop Landwirtsch Veterinarmed** 1985;23(3):325-38 (Eng. Abstr.) **(Ger)**

[Contractile properties of smooth muscle cells of the horns, cervix and broad ligament of the pig uterus] Tsirkin VI. **Fiziol Zh SSSR** 1986 Jun;72(6):818-29 (Eng. Abstr.) **(Rus)**

[Trembling in slaughtering pigs—an analysis of Swedish swine stock monitoring] Lindström K, et al. **Nord Vet Med** 1986 Jan-Feb;38(1):22-5 (Eng. Abstr.) **(Swe)**

SURGERY

[Anesthesia in swine for experimental surgery. Ligation of the anterior descending coronary artery] Riesgo Benito MJ, et al. **Rev Esp Anestesiol Reanim** 1985 Sep-Oct;32(5):208-9 (Eng. Abstr.) **(Spa)**

URINE

Pig butcher's asthma—case report and review of the literature. Brennan NJ. **Ir Med J** 1985 Nov;78(11):321-2

Murine aggression induced by a boar chemosignal: a stimulus presentation dependency. Ingersoll DW, et al. **Physiol Behav** 1986;36(2):263-9

[Reference values of various urine constituents in sows] Ruhrmann A, et al. **DTW** 1986 Mar 7;93(3):115-20 (Eng. Abstr.) **(Ger)**

SWINE DISEASES

Judgment of castration-induced abscesses in pigs at meat inspection. Százados I. **Acta Vet Hung** 1985;33(3-4):177-84

Atrophic rhinitis in swine. Rutter JM. **Adv Vet Sci Comp Med** 1985;29:239-79 (170 ref.)

Diarrhea in pigs. Proceedings of a workshop. 27 September 1983, Lelystad, The Netherlands. **Vet Res Commun** 1986 Sep;10(5):331-412

[Poisoning in swine] Heinritzi K. **Tierarztl Prax** 1986; 14(2):219-30 (Eng. Abstr.) **(Ger)**

BLOOD

Japanese encephalitis virus immunoglobulin M antibodies in porcine sera. Burke DS, et al. **Am J Vet Res** 1985 Oct; 46(10):2054-7

Relationship between blood iron parameters and trichinellosis in swine. Theodoropoulos G, et al. **Vet Parasitol** 1986 Jan; 19(1-2):121-6

Aujeszky's disease in an Irish pig practice: incidence, trends and response to vaccination. Kavanagh NT. **Vet Rec** 1986 Apr 26;118(17):481

[Methemoglobinemia in pigs and the effect of nitrites on the health and growth of piglets] Dvořák M. **Vet Med (Praha)** 1986 Mar;31(3):149-58 (Eng. Abstr.) **(Cze)**

[Changes in blood protein levels in piglets during development and during stress] Dvořák M. **Vet Med (Praha)** 1986 Jul;31(7):403-14 (Eng. Abstr.) **(Cze)**

[Mg, Ca, K and Na contents of erythrocytes of normally developed piglets and piglets with splayleg syndrome of different body weight as well as Mg, Ca, K levels of erythrocytes of gilts and sows] Kolb E, et al. **Arch Exp Veterinarmed** 1986 May;40(3):399-405 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

An episode of acute selenium toxicity in a commercial piggery. Hill J, et al. **Aust Vet J** 1985 Jun;62(6):207-9

Ochratoxicosis in Iowa swine. Cook WO, et al. **J Am Vet Med Assoc** 1986 Jun 15;188(12):1399-402

Levamisole toxicosis in swine. Cook WO, et al. **Vet Hum Toxicol** 1985 Oct;27(5):388-9

A perspective on gossypol ingestion in swine. Eisele GR. **Vet Hum Toxicol** 1986 Apr;28(2):118-22

Neuropathology of experimental 3-nitro-4-hydroxyphenylarsonic acid toxicosis in pigs. Kennedy S, et al. **Vet Pathol** 1986 Jul;23(4):454-61

Myocardial and pancreatic lesions induced by T-2 toxin, a trichothecene mycotoxin, in swine. Pang VF, et al. **Vet Pathol** 1986 May;23(3):310-9

CONGENITAL

Porcine congenital tremor type AII: spinal cord morphometry. Done JT, et al. **Br Vet J** 1986 Mar-Apr; 142(2):145-50

DIAGNOSIS

Does a condition like human pityriasis rosea occur in pigs? Dunstan RW, et al. **Am J Dermatopathol** 1986 Feb;8(1):86-9

Epizootiologic investigations of a diarrheic syndrome in fattening pigs. Jestin A, et al. **Am J Vet Res** 1985 Oct; 46(10):2149-51

Field evaluation of the enzyme-linked immunosorbent assay for swine trichinosis: efficacy of the excretory-secretory antigen. Murrell KD, et al. **Am J Vet Res** 1986 May; 47(5):1046-9

A solid phase fluorescent immunoassay for the rapid detection of virus antigen or antibodies in fetuses infected with porcine parvovirus. Rivera E, et al. **Arch Virol** 1986; 88(1-2):19-26

Coccidia associated with enteritis in grower pigs. Jones GW, et al. **Aust Vet J** 1985 Sep;62(9):319

Feeding sodium arsanilate for exciting diarrhea and identifying carriers of swine dysentery. Olson LD, et al. **Can J Vet Res** 1986 Jul;50(3):359-64

Preparation and standardization of antigens useful in the diagnosis of swine trichinellosis. Despommier DD. **Dev Biol Stand** 1985;62:53-6

A solid phase immunoassay (DIG-ELISA) as a serodiagnostic tool in bovine and porcine Toxoplasma gondii infection. Uggla A, et al. **Dev Biol Stand** 1985; 62:37-42

Scours in pigs. Taylor D. **In Pract** 1986 Mar;8(2):40-8

High technology diagnostics: detection of enterotoxigenic Escherichia coli, using DNA probes. Maddox CW, et al. **J Am Vet Med Assoc** 1986 Jan 1;188(1):57-9

Detection of antibodies to Aujeszky's disease virus in whole blood by Elisadisc. Banks M. **J Virol Methods** 1985 Oct; 12(1-2):41-5

The rapid detection of Aujeszky's disease virus in pigs by direct immunoperoxidase labelling. Allan GM, et al. **Vet Microbiol** 1985 Aug;10(5):481-6

A tongue biopsy technique for the detection of trichinosis in swine. Kazacos KR, et al. **Vet Parasitol** 1986 Jan; 19(1-2):151-6

Control of Aujeszky's disease [letter] Todd D, et al. **Vet Rec** 1985 Dec 14;117(24):647

[Ear necrosis in swine] **Tijdschr Diergeneeskd** 1985 Nov 15; 110(22):954-5 **(Dut)**

[Autoimmune disease in sows?] Rambags PG. **Tijdschr Diergeneeskd** 1986 Jan 15;111(2):86 **(Dut)**

[Serological diagnosis of Mycoplasma infection of swine] Berdnik VP. **Arch Exp Veterinarmed** 1986 Jan;40(1):14-8 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Desferoxamine and iron dextran in acute Salmonella cholerae-suis infection in pigs. Kramer TT, et al. **Am J Vet Res** 1986 Jul;47(7):1452-7

Susceptibility of fourth-stage Ascaris suum larvae to fenbendazole and to host response in the pig. Stewart TB, et al. **Am J Vet Res** 1986 Aug;47(8):1671-3

Evaluation of the effect of tiamulin hydrogen fumarate fed at 25 ppm on performance responses of pigs infected with enzootic pneumonia. Pointon AM, et al. **Aust Vet J** 1985 Nov;62(11):384-5

Tiamulin in drinking water for treatment and development of immunity to swine dysentery. Olson LD. **J Am Vet Med Assoc** 1986 May 15;188(10):1165-70

The effect of pre-farrowing treatment of the sow with ivermectin on the early establishment of Ascaris suum and Oesophagostomum spp in the progeny. Martinsson K, et al. **Nord Vet Med** 1986 May-Jun;38(3):156-62

Anthelmintics for swine. Biehl LG. **Vet Clin North Am Food [Food Anim Pract]** 1986 Jul; 2(2):481-7

World Association for the Advancement of Veterinary Parasitology (W.A.A.V.P.) guidelines for evaluating the efficacy of anthelmintics in swine. Düwel D, et al. **Vet Parasitol** 1986 Jun;21(2):69-82

The effect of replacement of 0.30% sodium chloride by 0.43% sodium bicarbonate in rations of fattening pigs on leg weakness, osteochondrosis and growth. van der Wal PG, et al. **Vet Q** 1986 Apr;8(2):136-44

Anthelmintic drugs [letter] **Vet Rec** 1986 Mar 29;118(13):371

The synergistic activity of tiamulin and chlortetracycline: in-feed treatment of bacterially complicated enzootic pneumonia in fattening pigs. Burch DG, et al. **Vet Rec** 1986 Aug 2;119(5):108-12

Therapeutic control and economic aspect of porcine pleuropneumonia in finishing units. Desrosiers R. **Vet Rec** 1986 Jul 26;119(4):89-90

Streptococcal meningitis in pigs: field trial to compare the effects of two different treatments. Guise HJ, et al. **Vet Rec** 1985 Jul 20;117(3):65-6

ENZYMOLOGY

[Catalase activity in the liver, kidney, myocardium, lung, skeletal muscles and hemolysates of normally developed piglets and piglets with splayleg syndrome as well as in several tissues of adult pigs] Kühne S, et al. **Arch Exp Veterinarmed** 1986 May;40(3):417-24 (Eng. Abstr.) **(Ger)**

[ATPase activity in the nervous system of fetuses, healthy piglets and piglets with splayleg syndrome] Leo M, et al. **Arch Exp Veterinarmed** 1986 May;40(3):406-16 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Epizootics of respiratory tract disease in swine in Belgium due to H3N2 influenza virus and experimental reproduction of disease. Haesebrouck F, et al. **Am J Vet Res** 1985 Sep; 46(9):1926-8

Congenital skeletal malformations induced by maternal ingestion of Conium maculatum (poison hemlock) in newborn pigs. Panter KE, et al. **Am J Vet Res** 1985 Oct; 46(10):2064-6

Studies on the pathogenesis of Salmonella heidelberg infection in weanling pigs. Reed WM, et al. **Am J Vet Res** 1985 Nov;46(11):2300-10

Studies on the pathogenesis of Salmonella typhimurium and Salmonella choleraesuis var kunzendorf infection in weanling pigs. Reed WM, et al. **Am J Vet Res** 1986 Jan; 47(1):75-83

Developmental abnormalities in cultured early porcine embryos induced by hyperthermia. Trujano M, et al. **Br Vet J** 1985 Nov-Dec;141(6):603-10

A simple aerosol chamber for experimental reproduction of respiratory disease in pigs and other species. Osborne AD, et al. **Can J Comp Med** 1985 Oct;49(4):434-5

Pathogenesis of mycoplasma pneumonia of swine. Jericho KW. **Can J Vet Res** 1986 Jan;50(1):136-7

Analysis, occurrence and control of Ochratoxin A residues in Danish pig kidneys. Büchmann NB, et al. **Food Addit Contam** 1985 Jul-Sep;2(3):193-9

Infertility in the bull, ram and boar. 2: Infertility associated with normal service behaviour. Logue D, et al. **In Pract** 1986 May;8(3):118-22

Aspects of colibacillosis in farm animals. Wray C, et al. **J Hyg (Lond)** 1985 Dec;95(3):577-93 (113 ref.)

The pathogenesis of persistent turbinate atrophy induced by toxigenic Pasteurella multocida in pigs. Elling F, et al. **Vet Pathol** 1985 Sep;22(5):469-74

Investigation into the pathogenesis of atrophic rhinitis in pigs. I. Atrophic rhinitis caused by Bordetella bronchiseptica and Pasteurella multocida and the meaning of a thermolabile toxin of P. multocida. de Jong MF, et al. **Vet Q** 1986 Jul;8(3):204-14

Investigation into the pathogenesis of atrophic rhinitis in pigs. II. AR induction and protection after intramuscular injections cell-free filtrates and emulsions containing AR toxin of Pasteurella multocida. de Jong MF, et al. **Vet Q** 1986 Jul;8(3):215-24

Carcase damage [letter] Hunter J. **Vet Rec** 1986 Feb 1; 118(5):134

Zinc toxicity, copper deficiency and anaemia in swill-fed pigs. Pritchard GC, et al. **Vet Rec** 1985 Nov 23; 117(21):545-8

Enteropooling in piglets induced by soya-peptone mediated via an increased biosynthesis of prostanoids. Jager LP, et al. **Vet Res Commun** 1986 Sep;10(5):407-12

Thermostable factor(s) in soya producing a net excess of secretion in the ligated gut test in pigs. Nabuurs MJ. **Vet Res Commun** 1986 Sep;10(5):399-405

Epizootiological studies on porcine atrophic rhinitis. VII. Study of the aetiology and the local immune response. Eliás B, et al. **Zentralbl Veterinarmed [B]** 1985 Sep;32(8):557-66

[Chlamydial infection in pericarditis in pigs] Martinov S, et al. **Vet Med Nauki** 1985;22(8):20-6 (Eng. Abstr.) **(Bul)**

[Eperythrozoonosis in swine—an overlooked disease?] Madsen M. **Nord Vet Med** 1986 Mar-Apr;38(2):57-67 (51 ref.) (Eng. Abstr.) **(Dan)**

[Feeding of kitchen refuse as a cause of swine plague] Terpstra C. **Tijdschr Diergeneeskd** 1986 Mar 1;111(5):254 **(Dut)**

[Pathological indicators in sows relevant to animal welfare in modern housing systems] Berner H. **Tierarztl Prax** 1986; 14(1):67-78 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

Arthrogryposis and associated defects in pigs: indication of simple recessive inheritance. Lømo OM. **Acta Vet Scand** 1985;26(3):419-22

Congenital meningocele-encephalocele in an experimental swine herd. Vogt DW, et al. **Am J Vet Res** 1986 Jan; 47(1):188-91

The halothane sensitivity locus and its linkage relationships. Archibald AL, et al. **Anim Blood Groups Biochem Genet** 1985;16(4):253-63 (57 ref.)

Inheritance of melanocytic tumors in Duroc swine. Hordinsky MK, et al. **J Hered** 1985 Sep-Oct;76(5):385-6

Inheritance of a new bleeding disease in a herd of swine with Willebrand's disease. Thiele GL, et al. **J Hered** 1986 May-Jun;77(3):179-82

HISTORY

[2 Middle Hesse prescription books of the 18th and 19th centuries, a comparison] Hepding L. **DTW** 1986 Apr 7; 93(4):163-5 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Enzootic vesicular stomatitis New Jersey type in an insular feral swine population. Stallknecht DE, et al. **Am J Epidemiol** 1985 Nov;122(5):876-83

Passive protection of segmented swine colonic loops against swine dysentery. Joens LA, et al. **Am J Vet Res** 1985 Nov; 46(11):2369-71

Single-dilution indirect solid-phase radioimmunoassay for the detection of anti-pseudorabies immunoglobulin G in swine sera. Wang FI, et al. **Am J Vet Res** 1986 Jul; 47(7):1495-500

Persistence of passive immunity to porcine parvovirus. Too HL, et al. **Aust Vet J** 1985 Aug;62(8):282-4

Development and evaluation of an indirect enzyme immunoassay for detection of porcine antibodies to pseudorabies virus. Afshar A, et al. **Can J Vet Res** 1986 Jul;50(3):422–6

Mechanisms involved in protection provided by immunization against core lipopolysaccharides of Escherichia coli J5 from lethal Haemophilus pleuropneumoniae infections in swine. Fenwick BW, et al. **Infect Immun** 1986 Aug;53(2):298–304

Dot–enzyme immunoassay for visual detection of antibodies to pseudorabies virus in swine serum. Afshar A, et al. **J Clin Microbiol** 1986 Mar;23(3):563–7

Development of intestinal antibodies against Escherichia coli antigens in piglets with experimental neonatal E. coli diarrhoea. Olsson E, et al. **Vet Microbiol** 1986 Jul; 12(2):119–33

Ascaris suum infection in pigs sensitizes lymphocytes but suppresses their responsiveness to phytomitogens. Barta O, et al. **Vet Parasitol** 1986 May;21(1):25–36

Protective immunity to Ascaris suum: analysis of swine peripheral blood cell subsets using monoclonal antibodies and flow cytometry. Lunney JK, et al. **Vet Parasitol** 1986 Mar;20(1–3):117–31

Detection of Haemophilus pleuropneumoniae antigens using the coagglutination test. Hunter D, et al. **Vet Rec** 1986 Feb 1;118(5):129

[Trichinella spiralis as a teacher or the parasite–host relationship between a threadworm and an institute] Ruitenberg EJ, et al. **Tijdschr Diergeneeskd** 1986 Mar 15; 111(6):275–81 (Eng. Abstr.) (Dut)

[Sensitivity of the card agglutination test (Testryp CAAT) in porcine infection with Trypanosoma (Nannomonas) congolense in the People' Republic of the Congo] Noireau F, et al. **Ann Soc Belg Med Trop** 1986;66(1):63–8 (Eng. Abstr.) (Fre)

[Local antigen persistence and chronicity of experimental erysipelas polyarthritis] Denecke R, et al. **Berl Munch Tierarztl Wochenschr** 1986 Jun 1;99(6):200–8 (Eng. Abstr.) (Ger)

[ELISA serology of the blood and colostral milk: a possibility for monitoring enzootic pneumonia (EP) in swine herds] Zimmermann W, et al. **Schweiz Arch Tierheilkd** 1986 Jun; 128(6):299–306 (Eng. Abstr.) (Ger)

[Immunoprevention of coli diarrhea of the weaned swine] Awad–Masalmeh M, et al. **Zentralbl Veterinarmed [B]** 1985 Dec;32(10):751–8 (Eng. Abstr.) (Ger)

[Swine toxoplasmosis. 1. Experimental inoculation with tachyzoites of Toxoplasma gondii by the intraperitoneal route. Development of antibodies demonstrated by the indirect immunofluorescence and hemagglutination tests] D'Angelino JL, et al. **Bol Of Sanit Panam** 1986 Apr; 100(4):400–11 (Eng. Abstr.) (Por)

[Swine toxoplasmosis. 2. Comparative study of the indirect immunofluorescence and hemagglutination tests for the measurement of anti–Toxoplasma antibodies in swine serum] Ishizuka MM, et al. **Bol Of Sanit Panam** 1986 May; 100(5):524–30 (Eng. Abstr.) (Por)

METABOLISM

Colicin production in relation to pathogenicity factors in strains of Escherichia coli isolated from the intestinal tract of piglets. Djønne BK. **Acta Vet Scand** 1985;26(2):145–52

The effect of diarrhea on the oxidation of 14C–phenylalanine in piglets receiving diets varying in protein and proline concentration. Ball RO, et al. **Can J Vet Res** 1986 Jul; 50(3):393–6

Prostaglandin F2 alpha and prolactin in experimental hypogalactia in sows. Peter AT, et al. **Res Vet Sci** 1985 Sep;39(2):222–9

[Fe, Cu and Zn contents in various organs, tissues of the central nervous system and skeletal muscles of normally developed piglets and splayleg piglets of different body weight] Weber P, et al. **Arch Exp Veterinarmed** 1986 May; 40(3):425–35 (Eng. Abstr.) (Ger)

[Histochemical and electron microscopic research on the lungs of piglets with ascariasis migrans] Chebyshev NV, et al. **Med Parazitol (Mosk)** 1986 May–Jun;(3):62–5 (Eng. Abstr.) (Rus)

MICROBIOLOGY

On ultrastructure and motility of spirochetes. Blaha T, et al. **Acta Vet Hung** 1985;33(1–2):3–12

Colicin resistance in relation to pathogenicity factors in strains of Escherichia coli isolated from the intestinal tract of piglets. Djønne BK. **Acta Vet Scand** 1986;27(1):115–23

Serology of Haemophilus (Actinobacillus) pleuropneumoniae serotype 5 strains: establishment of subtypes a and b. Nielsen R. **Acta Vet Scand** 1986;27(1):49–58

Isolation of Leptospira interrogans serovar bratislava from sows in Iowa. Ellis WA, et al. **Am J Vet Res** 1986 Jul; 47(7):1458–60

DNA homology studies of leptospires of serogroups Sejroe and Pomona from cattle and swine. Le Febvre RB, et al. **Am J Vet Res** 1986 Apr;47(4):959–63

Comparative prevalence of four enterotoxin genes among Escherichia coli isolated from swine. Moon HW, et al. **Am J Vet Res** 1986 Feb;47(2):210–2

Fimbriae and enterotoxins associated with Escherichia coli serogroups isolated from pigs with colibacillosis. Wilson RA, et al. **Am J Vet Res** 1986 Feb;47(2):213–7

A new type of atypical rotavirus in pigs. Chasey D, et al. **Arch Virol** 1986;89(1–4):235–43

Encephalomyocarditis virus infection and pig disease in Queensland. Hill BD, et al. **Aust Vet J** 1985 Dec; 62(12):433–4

Melioidosis in intensive piggeries in south eastern Queensland. Ketterer PJ, et al. **Aust Vet J** 1986 May; 63(5):146–9

An association between encephalomyocarditis virus infection and reproductive failure in pigs. Links IJ, et al. **Aust Vet J** 1986 May;63(5):150–2

Parvovirus–like particles associated with diarrhea in unweaned piglets. Dea S, et al. **Can J Comp Med** 1985 Jul;49(3):343–5

Streptococcus suis in slaughter pigs and abattoir workers. Breton J, et al. **Can J Vet Res** 1986 Jul;50(3):338–41

Distinct serotypes of porcine rotavirus associated with diarrhea in suckling piglets in southern Quebec. Dea S, et al. **Can J Vet Res** 1986 Jan;50(1):130–2

New fimbrial antigen F165 from Escherichia coli serogroup O115 strains isolated from piglets with diarrhea. Fairbrother JM, et al. **Infect Immun** 1986 Jan;51(1):10–5

Biochemical and immunological characterization of cell surface proteins of Pasteurella multocida strains causing atrophic rhinitis in swine. Lugtenberg B, et al. **Infect Immun** 1986 Apr;52(1):175–82

Effect of atrophic rhinitis on growth rate in Illinois swine herds. Bäckström L, et al. **J Am Vet Med Assoc** 1985 Oct 1;187(7):712–5

Diagnosis, treatment, and prevention of diarrhea in 7- to 14–day–old pigs. Biehl LG, et al. **J Am Vet Med Assoc** 1986 May 15;188(10):1144–6

Porcine abortion caused by Bacillus sp. Kirkbride CA, et al. **J Am Vet Med Assoc** 1986 May 1;188(9):1060–1

Concurrent infection of pigs with enterotoxigenic Escherichia coli of different serogroups. Francis DH, et al. **J Clin Microbiol** 1985 Sep;22(3):457–8

Morphological variations of Haemophilus parasuis strains. Morozumi T, et al. **J Clin Microbiol** 1986 Jan;23(1):138–42

Isolation of a paramyxovirus from pigs in Israel and its antigenic relationships with avian paramyxoviruses. Lipkind M, et al. **J Gen Virol** 1986 Mar;67 (Pt 3):427–39

Escherichia coli originated from diarrhea of suckling piglets in Taiwan. IV. Drug resistance. Chen C, et al. **Kitasato Arch Exp Med** 1984 Dec;57(4):247–52

Serological O grouping, antibiotic susceptibility and production of enterotoxins in Escherichia coli strains isolated from piglets with diarrhea. Watanabe M, et al. **Kitasato Arch Exp Med** 1985 Jun;58(1–2):13–23

Colonization of enterotoxigenic Escherichia coli exhibiting mannose–sensitive hemagglutination to the small intestine of piglets. Nakazawa M, et al. **Microbiol Immunol** 1986; 30(5):485–9

Isolation of cytophatic strains of rotavirus from pigs. Ferrari M, et al. **Microbiologica** 1986 Jul;9(3):287–94

A serologic survey of rotavirus infection in pigs. Ferrari M, et al. **Microbiologica** 1986 Jan;9(1):29–32

Yersinia enterocolitica biotype 3B serotype 03 phage type II infection in pigs. Fukushima H, et al. **Nippon Juigaku Zasshi** 1985 Dec;47(6):1011–5

Levels of passive antibodies against Aujeszky's disease virus in piglets derived from infected sows. Komaniwa H, et al. **Nippon Juigaku Zasshi** 1986 Jun;48(3):633–5

Coronavirus–, calicivirus–, and astrovirus–like particles associated with acute porcine gastroenteritis. Shirai J, et al. **Nippon Juigaku Zasshi** 1985 Dec;47(6):1023–6

Lack of pathogenicity of haemophili of the 'minor group' taxon for the gnotobiotic piglet. Brandreth SR, et al. **Res Vet Sci** 1986 Mar;40(2):273–5

Prevalence, pathology and isolation studies on phycomycotic gastric ulcer in neonatal piglets. Mahanta S, et al. **Sabouraudia** 1985 Oct;23(5):395–7

The use of the fluorescent antibody test to detect Escherichia coli with K88 and 987P pilus antigens. Ferrier GR. **Vet Microbiol** 1986 Feb;11(1–2):197–201

Colonization antigens, antibiotic resistance and plasmid content of enterotoxigenic Escherichia coli isolated from piglets with diarrhoea in Galicia (north–western Spain). Gonzalez EA, et al. **Vet Microbiol** 1986 Mar;11(3):271–83

Parvovirus infection in pigs with necrotic and vesicle–like lesions. Kresse JI, et al. **Vet Microbiol** 1985 Dec; 10(6):525–31

Isolation of a porcine respiratory, non–enteric coronavirus related to transmissible gastroenteritis. Pensaert M, et al. **Vet Q** 1986 Jul;8(3):257–61

Streptococcus suis infections in pigs in the Netherlands (Part I). Vecht U, et al. **Vet Q** 1985 Oct;7(4):315–21

Isolation of leptospires from the genital tract and kidneys of aborted sows. Ellis WA, et al. **Vet Rec** 1986 Mar 15; 118(11):294–5

Prevalence of Leptospira infection in aborted pigs in Northern Ireland. Ellis WA, et al. **Vet Rec** 1986 Jan 18; 118(3):63–5

Atrophic rhinitis caused by Pasteurella multocida: some factors influencing pathogenicity in gnotobiotic and conventional piglets. Martineau GP, et al. **Zentralbl Veterinarmed [B]** 1985 Sep;32(8):583–92

[Isolation of Escherichia coli O 157 from pigs with diarrhea] Petkov A, et al. **Vet Med Nauki** 1986;23(4):7–11 (Eng. Abstr.) (Bul)

[The persistence of activity of H1N1 (swine) influenza virus in pig breeding units during non–epidemic phases] Madec F, et al. **Comp Immunol Microbiol Infect Dis** 1985; 8(3–4):247–58 (Eng. Abstr.) (Fre)

[Importance of Glasser's disease in swine] Kielstein P, et al. **Arch Exp Veterinarmed** 1986 Mar;40(2):170–82 (Ger)

[The significance of O and K antigens and enterotoxins as indicators of the pathogenicity of E. coli strains from swine] Truszczyński M, et al. **Arch Exp Veterinarmed** 1985 Jul; 39(4):479–91 (Eng. Abstr.) (Ger)

[Atrophic rhinitis in swine: studies on the occurrence of toxin–producing strains of Pasteurella multocida and Bordetella bronchiseptica] Schöss P, et al. **DTW** 1985 Sep 6;92(9):316–9 (Eng. Abstr.) (Ger)

[Comparative studies of the detection of Aujeszky virus from filtered and unfiltered study samples] Wernery U. **DTW** 1986 Mar 7;93(3):120 (Ger)

[Significance of Bordetella bronchiseptica and Pasteurella multocida in rhinitis atrophicans suum] Kielstein P, et al. **Zentralbl Veterinarmed [B]** 1985 Oct;32(9):694–705 (Eng. Abstr.) (Ger)

[Characteristics of pathogens and clinico–epizootiological features of Mycoplasma–dependent bronchopneumonia of swine] Sobko AI, et al. **Arch Exp Veterinarmed** 1986 Jan; 40(1):1–11 (Eng. Abstr.) (Rus)

MORTALITY

Causes of preweaning mortality on a large intensive piggery. Spicer EM, et al. **Aust Vet J** 1986 Mar;63(3):71–5

OCCURRENCE

Trypanosoma brucei infection in domestic pigs in a sleeping sickness epidemic area of Uganda. Short communication. Okuna NM, et al. **Acta Trop (Basel)** 1986 Jun;43(2):183–4

Swine trichinosis in New England slaughterhouses. Schad GA, et al. **Am J Vet Res** 1985 Sep;46(9):2008–10

Porcine atrophic rhinitis. Love RJ, et al. **Aust Vet J** 1985 Nov;62(11):377–8

Viral pig diseases in Singapore that are exotic to Australia. Webster WR, et al. **Aust Vet J** 1985 Dec;62(12):432

Epidemiologic findings on a swine farm with enzootic toxoplasmosis. Dubey JP, et al. **J Am Vet Med Assoc** 1986 Jul 1;189(1):55–6

Trichinosis. Kazacos KR. **J Am Vet Med Assoc** 1986 Jun 1;188(11):1272–5

Prenatal and preweaning deaths caused by pseudorabies virus and porcine parvovirus in a swine herd. Morrison RB, et al. **J Am Vet Med Assoc** 1985 Sep 1;187(5):481–3

Recent changes in prevalence pattern of Japanese encephalitis virus in Hyogo Prefecture, Japan, using a two–dimensional distribution of IgG and IgM class antibody levels in swine sera. Yamaoka M, et al. **J Med Virol** 1985 Sep;17(1):1–7

Prevalence of Hong Kong (H3N2) influenza virus–antibody in swine. Hirano T, et al. **Nippon Juigaku Zasshi** 1985 Aug; 47(4):633–8

Trichinella spiralis in wild animals, cats, mice, rats and farmed fur animals in Finland. Hirvelä–Koski V, et al. **Nord Vet Med** 1985 Jul–Aug;37(4):234–42

Porcine coccidia in Papua New Guinea. Varghese T. **Vet Parasitol** 1986 May;21(1):11–20

Incidence, economic effects, and control of Haemophilus pleuropneumoniae infections in pigs. Hunneman WA. **Vet Q** 1986 Jan;8(1):83–7

Prevalence of pig herds affected by pleuropneumonia associated with Haemophilus pleuropneumoniae in eastern England. Brandreth SR, et al. **Vet Rec** 1985 Aug 17; 117(7):143–7

RESPITE—a computer–aided guide to the prevalence of pneumonia in pig herds. Morrison RB, et al. **Vet Rec** 1985 Sep 14;117(11):268–71

Porcine influenza outbreak [letter] Tofts SW. **Vet Rec** 1986 Jul 5;119(1):22

EpidemiologicaL studies on atrophic rhinitis in swine. IX. Investigations on the introduction of the disease. Eliás B. **Zentralbl Veterinarmed [B]** 1986 Feb;33(1):60–7

[Epidemiological analysis of a data bank on slaughtering pigs] Willeberg P. **Tijdschr Diergeneeskd** 1986 Jul 1; 111(13):623–33 (Eng. Abstr.) (Dut)

[Respiratory diseases of swine: some epidemiologic aspects] Kobisch M, et al. **Comp Immunol Microbiol Infect Dis** 1985; 8(1):65–71 (Eng. Abstr.) (Fre)

[Immunovirologic markers of the risk of influenza A H3N2 among swine] Aymard M, et al. **Rev Epidemiol Sante Publique** 1985;33(4–5):283–91 (Eng. Abstr.) (Fre)

[Occurrence of adenomatosis complexes in swine] Rüdiger–Bösch B, et al. **Berl Munch Tierarztl Wochenschr** 1986 Apr 1;99(4):109–18 (Eng. Abstr.) (Ger)

[Numerical analysis for spread of the infection with Japanese encephalitis virus] Yoshida Y, et al. **Kansenshogaku Zasshi** 1985 Nov;59(11):1061–72 (Eng. Abstr.) (Jpn)

[Swine toxoplasmosis. 3. Evaluation of the prevalence of Toxoplasma infection in swine herds using the indirect immunofluorescence test and hemagglutination] D'Angelino JL, et al. **Bol Of Sanit Panam** 1986 Jun; 100(6):634–47 (Eng. Abstr.) (Por)

PARASITOLOGY

Prevalence of Toxoplasma gondii antibodies in southern Louisiana swine in 1980 and 1981. Hugh–Jones ME, et al. **Am J Vet Res** 1986 May;47(5):1050–1

Survival of Macracanthorhynchus ingens in swine and

histopathology of infection in swine and raccoons. Nelson MJ, et al. **J Parasitol** 1986 Apr;72(2):306–14

A case of Hyostrongylus rubidus infection in a pig. Sarashina T, et al. **Nippon Juigaku Zasshi** 1986 Feb;48(1):163–7

Ultrastructure evidence for damage of Taenia solium cysticerci from naturally parasitized, immunized hogs. Molinari JL, et al. **Rev Latinoam Microbiol** 1986 Jan–Mar; 28(1):47–61

Epidemiology, pathogenesis, and control of major swine helminth parasites. Murrell KD.
Vet Clin North Am Food [Food Anim Pract] 1986 Jul; 2(2):439–54

Coccidiosis in swine. Stuart BP, et al.
Vet Clin North Am Food [Food Anim Pract] 1986 Jul; 2(2):455–68

Epidemiology and control of ectoparasites of swine. Williams RE. **Vet Clin North Am Food [Food Anim Pract]** 1986 Jul; 2(2):469–80

A review of toxoplasmosis in pigs. Dubey JP.
Vet Parasitol 1986 Feb;19(3–4):181–223 (251 ref.)

[Influence of the migration of Ascaris suum larvae on blood parameters in the pig] Chroustová E, et al.
Angew Parasitol 1986 Mar;27(1):15–22 (Eng. Abstr.) (Ger)

[Pediculosis in swine in the light of clinical and laboratory studies] Kamyszek F, et al. **Wiad Parazytol** 1986; 32(2):191–7 (Eng. Abstr.) (Pol)

PATHOLOGY

Abaxial implantation of the middle piece in spermatozoa and spermatids in related sterile boars. Thilander G, et al.
Acta Vet Scand 1985;26(4):513–20

Angio–proliferative lesions in a homosexual boar with features resembling Kaposi's sarcoma. Prakash C, et al.
AIDS Res 1983–84;1(1):13–30

Ultrastructural morphometric investigation of early lesions in the pulmonary alveolar region of pigs during experimental swine influenza infection. Winkler GC, et al.
Am J Pathol 1986 Mar;122(3):541–52

Campylobacter sputorum subsp mucosalis and Campylobacter hyointestinalis infections in the intestine of gnotobiotic pigs. Boosinger TR, et al. **Am J Vet Res** 1985 Oct;46(10):2152–6

Ultrastructural histochemical evaluation of growth plate cartilage matrix from healthy and osteochondritic swine. Farnum CE, et al. **Am J Vet Res** 1986 May;47(5):1105–15

Malignant lymphoma in a Sinclair miniature pig. Skavlen PA, et al. **Am J Vet Res** 1986 Feb;47(2):389–93

Squamous metaplasia of the oviduct in sows. Sheikh–Omar AR, et al. **Aust Vet J** 1986 Mar;63(3):96

Multiple congenital malformations of the face, nervous system and musculoskeletal system of pigs. Whittington RJ, et al. **Aust Vet J** 1986 Feb;63(2):48–50

The ultrastructure of osteochondrosis of the articular–epiphyseal cartilage complex in growing swine. Carlson CS, et al. **Calcif Tissue Int** 1986 Jan;38(1):44–51

Ultrastructural characterization of colonic lesions in pigs inoculated with Treponema hyodysenteriae. Albassam MA, et al. **Can J Comp Med** 1985 Oct;49(4):384–90

Perivascular eosinophilic droplets in swine brain induced by Escherichia coli toxin. Nakamura K, et al.
Can J Vet Res 1986 Jul;50(3):438–40

Astrocytoma in a boar. Ziemer EL, et al.
J Am Vet Med Assoc 1985 Oct 15;187(8):837–8

Spontaneous and experimental myofibrillar hypoplasia and its relation to splayleg in newborn pigs. Ducatelle R, et al. **J Comp Pathol** 1986 Jul;96(4):433–45

Histopathological classification of nephroblastomas in slaughtered swine. Hayashi M, et al. **J Comp Pathol** 1986 Jan;96(1):35–46

Immunological and ultrastructural observations on swine thymic lymphoma. Kadota K, et al. **J Comp Pathol** 1986 Jul;96(4):371–8

A case of swine follicular lymphoma with intracytoplasmic immunoglobulin inclusions. Kadota K, et al.
J Comp Pathol 1985 Oct;95(4):599–608

Glomerulopathy in swine: microscopic lesions and IgG or C3 deposition in 100 pigs. Shirota K, et al.
Nippon Juigaku Zasshi 1986 Feb;48(1):15–22

Diagnostic necropsy of suckling swine. Andrews JJ, et al.
Vet Clin North Am Food [Food Anim Pract] 1986 Mar; 2(1):159–72

Examination of the porcine fetus. Long GG.
Vet Clin North Am Food [Food Anim Pract] 1986 Mar; 2(1):147–58

Necropsy of the feeder pig and adult swine. Thacker HL.
Vet Clin North Am Food [Food Anim Pract] 1986 Mar; 2(1):173–86

Quantitative morphology of peracute pulmonary lesions in swine induced by Haemophilus pleuropneumoniae. Bertram TA. **Vet Pathol** 1985 Nov;22(6):598–609

Right aortic arch in a lamb and two pigs. van den Ingh TS, et al. **Vet Q** 1986 Jan;8(1):37–40

Ovarian haemangioma in sows. Sheikh–Omar AR, et al.
Vet Rec 1985 Aug 3;117(5):110

Intestinal atresia and stenosis: a review comparing its morphology. Johnson R. **Vet Res Commun** 1986 Mar; 10(2):105–11

Pathological and clinical changes related to toxicity of carbadox in weaned pigs. van der Molen EJ, et al.
Zentralbl Veterinarmed [A] 1985 Aug;32(7):540–50

[Disorders in slaughtering animals. V. Endocarditis in slaughtering pigs, sows and cattle] Narucka U, et al.
Tijdschr Diergeneeskd 1985 Oct 1;110(19):776–9 (Eng. Abstr.) (Dut)

[Morphological studies of the liver from growth–retarded and stillborn piglets. 2: Pathomorphological findings] Kühn M, et al. **Arch Exp Veterinarmed** 1986 Mar;40(2):299–306 (Eng. Abstr.) (Ger)

[Morphological studies of the liver in retarded and stillborn piglets. I. State of growth, structural maturity and metabolic activity] Kühn M, et al.
Arch Exp Veterinarmed 1985 Jul;39(4):551–9 (Eng. Abstr.) (Ger)

[Lymphatic leukosis in a boar] Vollmar H, et al. **DTW** 1985 Jul 24;92(7–8):280–3 (Eng. Abstr.) (Ger)

[Histometric and enzyme histochemical studies of the pathogenesis of the muscle changes following neurectomy in growing swine] Kaufmann W.
Zentralbl Veterinarmed [A] 1985 Oct;32(9):683–98 (Eng. Abstr.) (Ger)

[Light microscopy and ultrastructural studies of the pathogenesis of the muscle changes following neurectomy in growing swine] Kaufmann W.
Zentralbl Veterinarmed [A] 1985 Oct;32(9):699–716 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

Susceptibility of colostrum–deprived swine of various ages to streptococcic lymphadenitis. Wood RL, et al.
Am J Vet Res 1986 Aug;47(8):1722–5

Reproductive failure in pigs caused by encephalomyocarditis virus. Love RJ, et al. **Aust Vet J** 1986 Apr;63(4):128–9

Some epidemiological features and effects on reproductive performance of endemic porcine parvovirus infection. Too HL, et al. **Aust Vet J** 1986 Feb;63(2):50–3

Physiological responses to treadmill exercise and ambient temperature in normal and malignant hyperthermia susceptible pigs. D'Allaire S, et al. **Can J Vet Res** 1986 Jan;50(1):78–83

Cold resistance and environmental temperature preference in diarrheic piglets. Balsbaugh RK, et al. **J Anim Sci** 1986 Feb;62(2):315–26

Body weight, total body water and hematocrit in diarrheic piglets. Balsbaugh RK, et al. **J Anim Sci** 1986 Feb; 62(2):307–14

Effects of L–dopa supplementation on concentrations of brain catechols, dopamine receptor binding and the incidence of pale, soft and exudative meat in stress–susceptible pigs. Erlander MG, et al. **J Anim Sci** 1985 Oct;61(4):914–23

Effect of streptozotocin–induced diabetes in primiparous swine on subsequent reproductive performance. Ezekwe MO. **J Anim Sci** 1986 Apr;62(4):1005–11

Perinatal piglets under sublethal concentrations of atmospheric carbon monoxide. Morris GL, et al.
J Anim Sci 1985 Nov;61(5):1070–9

Weanling pigs under sublethal concentrations of atmospheric carbon monoxide. Morris GL, et al. **J Anim Sci** 1985 Nov; 61(5):1080–7

[Digestibility of nutrients in a feed mixture in certain swine helminthiases] Herzig I, et al. **Vet Med (Praha)** 1985 Sep; 30(9):553–62 (Eng. Abstr.) (Cze)

[Rectal temperature, hemoglobin concentration of blood as well as glucose and lactose levels of blood plasma in consecutive locomotive stresses in fattening swine] Steinhardt M, et al. **Arch Exp Veterinarmed** 1985 May; 39(3):355–65 (Eng. Abstr.) (Ger)

[Evaluation of kidney function in sows with acute urinary tract inflammation] Stirnimann J, et al.
Schweiz Arch Tierheilkd 1985 Sep;127(9):575–82 (Eng. Abstr.) (Ger)

[Trembling in slaughtering pigs—an analysis of Swedish swine stock monitoring] Lindström K, et al.
Nord Vet Med 1986 Jan–Feb;38(1):22–5 (Eng. Abstr.) (Swe)

PREVENTION & CONTROL

Influence of amperozide on disease occurrence in a pig fattening unit. Rabe J, et al. **Acta Vet Scand** 1986; 27(1):141–4

Efficacy of injectable ivermectin against natural infections of Stephanurus dentatus in swine. Becker HN.
Am J Vet Res 1986 Jul;47(7):1622–3

Efficacy of an orally administered modified–live porcine–origin rotavirus vaccine against postweaning diarrhea in pigs. Hoblet KH, et al. **Am J Vet Res** 1986 Aug;47(8):1697–703

Experiences from eradication of Mycoplasma hyopneumoniae infection by tiamulin treatment. Mészáros J, et al. **Arch Exp Veterinarmed** 1986 Jan;40(1):19–22

Serological control of SPF and conventional swine herds for Mycoplasma hyopneumoniae infection. Stipkovits L, et al. **Arch Exp Veterinarmed** 1986 Jan;40(1):12–3

Failure to eliminate Leptospira pomona from pigs by treatment with long acting oxytetracyline. Ketterer PJ, et al. **Aust Vet J** 1985 Oct;62(10):348–9

The occurrence of antibiotic resistance in Clostridium perfringens from pigs. Rood JI, et al. **Aust Vet J** 1985 Aug; 62(8):276–9

Development of vaccines for bacterial diseases using recombinant DNA technology. Isaacson RE. **Avian Dis** 1986 Jan–Mar;30(1):28–36

Probable elimination of swine dysentery after feeding ronidazole, carbadox or lincomycin and verification by feeding sodium arsanilate. Olson LD. **Can J Vet Res** 1986 Jul;50(3):365–8

Evaluation of Bordetella bronchiseptica vaccines in specific–pathogen–free piglets with bacterial cell surface antigens in enzyme–linked immunosorbent assay. Novotny P, et al. **Infect Immun** 1985 Oct;50(1):190–8

Liquid diets fed hourly to pigs weaned at 19 days of age and exposed to rotavirus (weanling diarrhea). Lecce JG, et al. **J Anim Sci** 1985 Nov;61(5):1043–8

Escherichia coli originated from diarrhea of suckling piglets in Taiwan. V. Immunization for Escherichia coli diarrhea of suckling piglets. Chen C, et al.
Kitasato Arch Exp Med 1984 Dec;57(4):253–65

Establishment of the attenuated strain of porcine parvovirus for the live vaccine and its biological–immunological characteristics. Izumida A, et al. **Nippon Juigaku Zasshi** 1986 Apr;48(2):293–303

NIH plans probe on test of altered virus [news] Sun M.
Science 1986 May 16;232(4752):821–2

Effect of intratracheal challenge of fattening pigs previously immunised with an inactivated influenza H1N1 vaccine. Haesebrouck F, et al. **Vet Microbiol** 1986 Mar;11(3):239–49

Intranasal vaccination of pigs against Aujeszky's disease. 4. Comparison with one or two doses of an inactivated vaccine in pigs with moderate maternal antibody titres. Van Oirschot JT, et al. **Vet Microbiol** 1985 Aug;10(5):401–8

Amitraz in the control of non–ixodide ectoparasites of livestock. Curtis RJ. **Vet Parasitol** 1985 Oct;18(3):251–64

Electrocution of pigs infected with notifiable diseases. Lambooy E, et al. **Vet Q** 1986 Jan;8(1):80–2

Monitoring herds for Streptococcus suis type 2: chance contamination of slaughter pigs. Clifton–Hadley FA, et al.
Vet Rec 1986 Mar 8;118(10):274

Effect of atrophic rhinitis vaccines on the reaction of pigs to serological tests for brucellosis. Corbel MJ. **Vet Rec** 1985 Aug 17;117(7):150

Art, science and mathematics: new approaches to animal health problems in the agricultural industry. Davies G.
Vet Rec 1985 Sep 14;117(11):263–7

Aujeszky's disease: more than one lesson to be learned [letter] Done JT. **Vet Rec** 1985 Aug 3;117(5):114

Control of Aujeszky's disease [letter] Kit S, et al.
Vet Rec 1986 Mar 15;118(11):310

Protection of the nursing pig against experimentally induced enteric colibacillosis by vaccination of dam with fimbrial antigens of E coli (K88, K99 and 987P). Nagy LK, et al.
Vet Rec 1985 Oct 19;117(16):408–13

Control of Aujeszky's disease [letter] van Oirschot JT.
Vet Rec 1985 Nov 16;117(20):533

[Prophylactic disinfection of the housing for suckling sows under commercial swine–raising conditions] Karadzhov S, et al. **Vet Med Nauki** 1986;23(2):53–8 (Eng. Abstr.) (Bul)

[Associated vaccination of pigs against swine fever, erysipelas and Aujeszky's disease] Naldenova N, et al.
Vet Med Nauki 1986;23(3):9–13 (Eng. Abstr.) (Bul)

[Prevention of colienterotoxemia in swine] Dittmann B, et al. **Arch Exp Veterinarmed** 1986 Mar;40(2):218–26 (Eng. Abstr.) (Ger)

[Anaphylactic shock in swine. 5. Studies on the prophylactic effect of dexamethasone and dexamethasone–metapyrine combination] Fürll M, et al. **Arch Exp Veterinarmed** 1986 May;40(3):445–52 (Eng. Abstr.) (Ger)

[Research achievements and results of the politically economically significant virus infections of swine] Leopoldt D, et al. **Arch Exp Veterinarmed** 1985 Sep;39(5):642–52 (Eng. Abstr.) (Ger)

[Usefulness of urine test strips for the detection of leukocyturia as a screening study in sow herds] Petersen B. **DTW** 1985 Jul 24;92(7–8):266–70 (Eng. Abstr.) (Ger)

[Induction of biological protection in pigs against infection with Aujeszky disease virus by vaccination with large doses of live or inactivated vaccines] Zuffa A.
Vet Med (Praha) 1986 Feb;31(2):83–94 (Eng. Abstr.) (Slo)

SURGERY

A simple method for correcting rectal prolapse in pigs. Douglas RG. **Vet Rec** 1985 Aug 10;117(6):129

THERAPY

The efficacy of hyperimmune serum in the treatment of sweating sickness. Oberem PT, et al.
Onderstepoort J Vet Res 1985 Dec;52(4):283–7

Effect of biotin supplementation of a barley–wheat diet on restoration of healthy feet, legs and skin of biotin deficient sows. Misir R, et al. **Res Vet Sci** 1986 Mar;40(2):212–8

Phosmet for the systemic control of pig mange in growing pigs. Hewett GR. **Vet Parasitol** 1985 Oct;18(3):265–8

TRANSMISSION

Trichinosis in a herd of swine: cannibalism as a major mode of transmission. Hanbury RD, et al.
J Am Vet Med Assoc 1986 May 15;188(10):1155–9

Interepizootic survival of porcine parvovirus. Mengeling WL, et al. **J Am Vet Med Assoc** 1986 Jun 1;188(11):1293–5

Unilocular hydatid disease in Arkansas [letter] Narain JP, et al. **South Med J** 1986 Jun;79(6):781–2

Intense transmission of Japanese encephalitis virus to pigs in a region free of epidemic encephalitis. Burke DS, et al.

Southeast Asian J Trop Med Public Health 1985 Jun; 16(2):199–206

Absence of porcine parvovirus transmission to man [letter] Wattanavijarn W, et al. **Trans R Soc Trop Med Hyg** 1985; 79(4):561

Parasite transmission in confined hogs. Marti OG Jr, et al. **Vet Parasitol** 1986 Feb;19(3–4):301–14

Boars as carriers of leptospires of the Australis serogroup on farms with an abortion problem. Ellis WA, et al. **Vet Rec** 1986 May 17;118(20):563

[Swine tuberculosis and public health] Groothuis DG. **Tijdschr Diergeneeskd** 1985 Sep 15;110(18):716–7 (Eng. Abstr.) **(Dut)**

[Bacterial cycles] Oosterom J. **Tijdschr Diergeneeskd** 1986 May 15;111(10):467–71 (Eng. Abstr.) **(Dut)**

SWINE ERYSIPELAS see under **ERYSIPELOTHRIX INFECTIONS**

SWINE FEVER VIRUS see **HOG CHOLERA VIRUS**

SWINE, MINIATURE

Metabolic effects of glucagon in endotoxemic minipigs. Weingand KW, et al. **Circ Shock** 1986;18(4):289–300

Use of the Goettingen miniature pig for studying pyrimethamine teratogenesis. Hayama T, et al. **CRC Crit Rev Toxicol** 1985;14(4):403–21 (39 ref.)

[Göttingen miniature swine as a model for diet-induced atherosclerosis] Tanigawa M, et al. **Jikken Dobutsu** 1986 Jan;35(1):47–57 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

[Histological study on the arterial wall of Göttingen miniature swine] Tanigawa M, et al. **Jikken Dobutsu** 1986 Jan;35(1):35–45 (Eng. Abstr.) **(Jpn)**

BLOOD

Blood biochemical status of miniature swine during submaximal and exhaustive exercise. Wilkerson JE, et al. **Med Sci Sports Exerc** 1986 Apr;18(2):180–5

GENETICS

Quantitative differences in GLO enzyme levels associated with the MHC of miniature swine. Lie WR, et al. **Anim Blood Groups Biochem Genet** 1985;16(3):243–8

PHYSIOLOGY

Non-invasive blood pressure measurement in Yucatan miniature swine using tail cuff sphygmomanometry. Cimini CM, et al. **Lab Anim Sci** 1985 Aug;35(4):412–6

SWINE VESICULAR DISEASE see under **ENTEROVIRUS INFECTIONS**

SWINEPOX VIRUS see **POXVIRIDAE**

SWISS BLUE see **METHYLENE BLUE**

SWITCHBOARD SERVICE see **TELEPHONE**

SYCOSIS see **FOLLICULITIS**

SYDNONES see under **OXADIAZOLES**

SYMBIOSIS

On plastid symbiosis in Tontonia appendiculariformis (Ciliophora, Oligotrichina). Laval-Peuto M, et al. **Biosystems** 1986;19(2):137–58 (100 ref.)

Differences in mRNA levels in Anabaena living freely or in symbiotic association with Azolla. Nierzwicki-Bauer SA, et al. **EMBO J** 1986 Jan;5(1):29–35

A note on symbiosis of Legionella pneumophila and Tatlockia micdadei with human respiratory flora. Stout JE, et al. **J Appl Bacteriol** 1986 Apr;60(4):297–9

Genetic rearrangements of a Rhizobium phaseoli symbiotic plasmid. Soberón-Chávez G, et al. **J Bacteriol** 1986 Aug; 167(2):487–91

Infection and maintenance of Holospora obtusa, a macronucleus-specific bacterium of the ciliate Paramecium caudatum. Fujishima M, et al. **J Cell Sci** 1985 Jun;76:179–87

The cell cycle of symbiotic Chlorella. I. The relationship between host feeding and algal cell growth and division. McAuley PJ. **J Cell Sci** 1985 Aug;77:225–39

The cell cycle of symbiotic Chlorella. II. The effect of continuous darkness. McAuley PJ. **J Cell Sci** 1985 Aug; 77:241–53

Competition between Chlorellae in chimeric infections of Hydra viridis: the evolution of a stable symbiosis. Rahat M. **J Cell Sci** 1985 Aug;77:87–92

Rhizobium leguminosarum genes involved in early stages of nodulation. Downie JA, et al. **J Cell Sci [Suppl]** 1985; 2:347–54

Rhizobium attachment to clover roots. Mills KK, et al. **J Cell Sci [Suppl]** 1985;2:333–45

The legume–Rhizobium symbiosis: a cell surface interaction. Robertson JG, et al. **J Cell Sci [Suppl]** 1985;2:317–31 (52 ref.)

Characterization of the anomalous infection and nodulation of subterranean clover roots by Rhizobium leguminosarum 1020. Hrabak EM, et al. **J Gen Microbiol** 1985 Dec;131 (Pt 12):3287–302

Induction of Rhizobium meliloti nodC expression by plant exudate requires nodD. Mulligan JT, et al. **Proc Natl Acad Sci USA** 1985 Oct;82(19):6609–13

DRUG EFFECTS

Effect of fungicide application on soybean–rhizobia symbiosis and isolation of fungicide-resistant strains of Rhizobia japonicum. Tesfai K, et al. **Bull Environ Contam Toxicol** 1986 Jun;36(6):819–26

SYMBIOTES

METABOLISM

Protein synthesis by intracellular symbionts in two closely interrelated aphid species. Ishikawa H, et al. **Biosystems** 1985;17(4):327–35

PHYSIOLOGY

Heme synthesis in Crithidia deanei: influence of the endosymbiote. Salzman TA, et al. **Int J Biochem** 1985; 17(12):1343–7

Behavior of symbionts during oogenesis and early stages of development in the German cockroach, Blattella germanica (Blattodea). Sacchi L, et al. **J Invertebr Pathol** 1985 Sep; 46(2):139–52

SYMBIOTIC RELATIONS (PSYCHOLOGY) see **OBJECT ATTACHMENT**

SYMBOLISM (PSYCHOLOGY)

Metaphoric competence in cognitive and language development. Marschark M, et al. **Adv Child Dev Behav** 1985;19:49–81 (92 ref.)

Symptom and signification. Brazil HV. **Am J Psychoanal** 1986 Summer;46(2):167–72

The construction of therapeutic allegories. Kalt HW. **Am J Psychoanal** 1986 Spring;46(1):33–44

A developmental exploration of language used to accompany symbolic play in young, normal children (2–4 years old). Le Normand MT. **Child Care Health Dev** 1986 Mar–Apr; 12(2):121–34

Perception of traffic guidance signs containing conflicting symbol and direction information. Whitaker LA, et al. **Ergonomics** 1986 May;29(5):699–711

The symbols and meanings of advocacy. Milner N. **Int J Law Psychiatry** 1986;8(1):1–17

Pathological sexuality and paucity of symbolisation in narcissistic disorder. Ledermann R. **J Anal Psychol** 1986 Jan;31(1):23–43

Symbols of transformation in a dream. Salles CA. **J Anal Psychol** 1985 Oct;30(4):347–60

Symbolic functioning in anorexia nervosa. Bourke MP, et al. **J Psychiatr Res** 1985;19(2–3):273–8

"China" as a symbol for vaginaGray SH. **Psychoanal Q** 1985 Oct;54(4):620–3

"Your feet's too big": an inquiry into psychological and symbolic meanings of the foot. Zerbe KJ. **Psychoanal Rev** 1985 Summer;72(2):301–14

Psychosexual symbolism in the handwriting of male homosexuals. Anderson T. **Psychol Rep** 1986 Feb; 58(1):75–81

Empirical journey into the measurement of symbolic function as a dimension of alexithymia. Demers-Desrosiers LA. **Psychother Psychosom** 1985;44(2):65–71

[Hallucination of a presence at the thought of an absence: apropos of the role of absence in relation to an early object] Marcelli D. **Psychiatr Enfant** 1985;28(2):403–40 **(Fre)**

[Problems of dream symbolism] Kulawik H. **Beitr Klin Neurol Psychiatr** 1985;53:71–9 **(Ger)**

[The door symbolizes the present. The transition from the past to the future. Meditative observations on a picture by Mechthild Lange] Lungershausen E. **Fortschr Med** 1986 Jun 5;104(21):58 **(Ger)**

[Drive and symbolism] Reiff H. **Psychother Psychosom Med Psychol** 1985 Sep;35(9):227–35 (Eng. Abstr.) **(Ger)**

[Developmental dysphasia and the use of symbols in play] Sarimski K, et al. **Z Kinder Jugendpsychiatr** 1985; 13(4):354–61 (Eng. Abstr.) **(Ger)**

[Symbol and metaphor] Goebel P. **Z Psychosom Med Psychoanal** 1986;32(1):76–88 (Eng. Abstr.) **(Ger)**

[Therapeutic function of images] Aisenson Kogan A. **Acta Psiquiatr Psicol Am Lat** 1986 Mar;32(1):26–30 (Eng. Abstr.) **(Spa)**

SYMPAETHAMIN see **SYNEPHRINE**

SYMPATHECTOMY

Fiber composition of the recurrent laryngeal nerve after experimental vagotomy and sympathectomy. A qualitative study by light and electron microscopy. Dahlqvist A, et al. **Acta Anat (Basel)** 1986;125(2):114–20

Left thoracic sympathectomy for treatment of refractory reentrant tachycardia in concealed Wolff-Parkinson-White syndrome. Mitsui T, et al. **Am J Cardiol** 1986 Apr 15; 57(11):995–7

Denervation increases myogenic tone in a resistance artery in the growing rabbit ear. Mangiarua EI, et al. **Am J Physiol** 1986 May;250(5 Pt 2):H889–91

Degeneration patterns of postganglionic fibers following sympathectomy. Andres KH, et al. **Anat Embryol (Berl)** 1985;172(2):133–43

Unmyelinated axons in a muscle nerve. Electron microscopic morphometry of the sternomastoid nerve in normal and sympathectomized rats. Sandoz PA, et al. **Anat Embryol (Berl)** 1986;174(2):207–13

Endoscopic thoracic sympathectomy in the treatment of upper limb hyperhidrosis. Malone PS, et al. **Ann R Coll Surg Engl** 1986 Mar;68(2):93–4

Sympathectomy in the treatment of angina and arrhythmias. Kadowaki MH, et al. **Ann Thorac Surg** 1986 May; 41(5):572–8

Possibilities of using sympathectomy for treatment of pain syndromes. Wittmoser R. **Appl Neurophysiol** 1984; 47(4–6):203–7

The surgical treatment of upper limb hyperhidrosis. Malone PS, et al. **Br J Dermatol** 1986 Jul;115(1):81–4

Lumbar sympathectomy for arterial disease. Cotton LT, et al. **Br J Surg** 1985 Sep;72(9):678–83 (70 ref.)

Effect of chronic sympathetic denervation on cerebrovascular hypertrophy during the development of hypertension in rats. Sadoshima S, et al. **Brain Res** 1986 Aug 6;379(2):205–9

Acetylcholine supersensitivity in the rat heart produced by neonatal sympathectomy. Ishii K, et al. **Can J Physiol Pharmacol** 1985 Jul;63(7):898–9

Essential hyperhidrosis. Current therapy. Tabet JC, et al. **Cleve Clin Q** 1986 Spring;53(1):83–8

Cervical ganglionectomy alters the circadian rhythm of intraocular pressure in New Zealand White rabbits. Gregory DS, et al. **Curr Eye Res** 1985 Dec;4(12):1273–9

The rational basis and the clinical value of selective cardiac sympathetic denervation in the prevention of malignant arrhythmias. Schwartz PJ, et al. **Eur Heart J** 1986 May; 7 Suppl A:107–18

Digital sympathectomy for vascular insufficiency. Wilgis EF. **Hand Clin** 1985 May;1(2):361–7

Lumbar sympathectomy in occlusive diseases. van der Stricht J. **Int Angiol** 1985 Jul–Sep;4(3):345–58

Early inhibition and changes in diurnal rhythmicity of the pituitary-thyroid axis after superior cervical ganglionectomy of rats. Cardinali DP, et al. **J Auton Nerv Syst** 1986 May;16(1):13–21

Indices of sympathetic vascular innervation in sympathectomized patients. Goldstein DS, et al. **J Auton Nerv Syst** 1986 Apr;15(4):309–18

Metabolic and morphological alterations of brown adipose tissue after sympathetic denervation in rats. Minokoshi Y, et al. **J Auton Nerv Syst** 1986 Mar;15(3):197–204

Thermal changes in a rabbit ear model after sympathectomy. Morgan RF, et al. **J Hand Surg [Am]** 1986 Jan;11(1):120–4

Surgical sympathetic denervation increases alpha 1-adrenoceptor-mediated accumulation of myo-inositol trisphosphate and muscle contraction in rabbit iris dilator smooth muscle. Akhtar RA, et al. **J Neurochem** 1986 Jan; 46(1):96–104

Re: Effects of varicocele after unilateral orchiectomy and sympathectomy [letter] Zorgniotti AW, et al. **J Urol** 1986 Jan;135(1):140

Post-sympathectomy pain and sensory neuropeptides [letter] Anand P. **Lancet** 1986 Mar 1;1(8479):512

Induction and growth of mammary tumors after superior cervical ganglionectomy in sighted and blinded-anosmic rats. Chang N, et al. **Life Sci** 1986 May 19;38(20):1821–6

Cutaneous blood flow in the foot following lumbar sympathectomy. Welch GH, et al. **Scand J Clin Lab Invest** 1985 Nov;45(7):621–6

Effect of different denervation procedures on catecholamines in the gut. Graffner H, et al. **Scand J Gastroenterol** 1985 Dec;20(10):1276–80

Successful conservative therapy of severe limb-threatening ischemia: the value of nonsympathectomy. Rivers SP, et al. **Surgery** 1986 Jun;99(6):759–62

[Sympathectomy of the digital arteries in acro-syndromes] Pointel JP, et al. **J Mal Vasc** 1986;11(1):90–2 (Eng. Abstr.) **(Fre)**

[Experimental microangiographic studies of revascularization of fractures after sympathectomy] Kagel KO, et al. **Radiobiol Radiother (Berl)** 1985;26(4):549–55 (Eng. Abstr.) **(Ger)**

[Current state of sympathectomy in peripheral reconstructive surgery] Rossi M, et al. **Chir Ital** 1986 Apr;38(2):185–92 (Eng. Abstr.) **(Ita)**

[Clinical and instrumental results after lumbar sympathectomy in chronic arteriopathies of the legs] Gamuzza F, et al. **Minerva Cardioangiol** 1986 Apr; 34(4):267–72 (Eng. Abstr.) **(Ita)**

[Indications for and limits of lumbar sympathectomy in the treatment of chronic peripheral arteriosclerosis obliterans] Pollice S, et al. **Minerva Cardioangiol** 1985 Jul–Aug; 33(7–8):503–11 (Eng. Abstr.) **(Ita)**

[Ultrastructural observations of the choroidal melanocytes following superior cervical sympathetic ganglionectomy in the monkey. III. Late changes of the choroidal melanocytes after sympathectomy] Watanabe H. **Nippon Ganka Gakkai Zasshi** 1985 Nov;89(11):1171–81 (Eng. Abstr.) **(Jpn)**

[Role of sympathectomy in lowering the level of amputation

of the extremities in patients with endarteritis obliterans] Zakharova GN, et al. **Khirurgiia (Mosk)** 1986 May;(5):72–6 (Eng. Abstr.) **(Rus)**

[Surgical treatment of severe forms of obliterative arteriosis with adrenal gland resection and lumbar sympathectomy] Skripnichenko DF, et al. **Klin Khir** 1985;(7):36–8 (Eng. Abstr.) **(Rus)**

[Clinico-morphological comparisons in patients with bronchial asthma after denervation of the lungs] Babichev SI, et al. **Sov Med** 1985;(12):13–6 (Eng. Abstr.) **(Rus)**

[Lumbar sympathectomy in emergency vascular surgery] Lisitsyn KM, et al. **Voen Med Zh** 1986 Mar;(3):17–9 **(Rus)**

ADVERSE EFFECTS

Postsympathectomy pain and changes in sensory neuropeptides: towards an animal model. Schon F. **Lancet** 1985 Nov 23;2(8465):1158–60 (36 ref.)

METHODS

Hyperhidrosis and its surgical treatment. Gruszkiewicz J, et al. **Acta Neurochir (Wien)** 1986;81(3–4):128–31

Upper dorsal sympathectomy. Manart FD, et al. **Am J Surg** 1985 Dec;150(6):762–6

Transthoracic sympathectomy. Ellis H. **Br J Hosp Med** 1986 Jan;35(1):50–1

Lumbar sympathectomy. Ellis H. **Br J Hosp Med** 1986 Feb; 35(2):124–5

Transthoracic endoscopic sympathectomy. Milewski PJ, et al. **J R Coll Surg Edinb** 1985 Aug;30(4):221–3

[Value of locoregional anesthesia during lumbar sympathectomy performed on the elderly patient. Apropos of 507 cases of patients over 70 years old] Ribal JP, et al. **J Mal Vasc** 1985;10(3):203–7 **(Fre)**

[Criteria for prognosis of the results of lumbar sympathectomy] Sidarenko LN, et al. **Khirurgiia (Mosk)** 1985 Jun;(6):37–40 (Eng. Abstr.) **(Rus)**

[Indications for surgery in acute and chronic hepatitis] Napalkov PN. **Vestn Khir** 1985 Jul;135(7):24–7 (Eng. Abstr.) **(Rus)**

[Oxygen tension in tissues of the extremities during lumbar sympathectomy] Peregudov IG, et al. **Vestn Khir** 1986 May;136(5):56–60 (Eng. Abstr.) **(Rus)**

SYMPATHECTOMY, CHEMICAL

The effect of sympathetic denervation with 6-hydroxydopamine on the ventral prostate of the rat. Vaalasti A, et al. **Acta Histochem (Jena)** 1986;79(1):49–54

Circulatory responses to hypovolemia in the pregnant and nonpregnant sheep after pharmacologic sympathectomy. Tabsh K, et al. **Am J Obstet Gynecol** 1986 Feb;154(2):411–9

Selective efferent chemical sympathectomy of rat kidneys. LeNoble LM, et al. **Am J Physiol** 1985 Oct;249(4 Pt 2):R496–501

Changes in the skin temperature of the trunk and their relationship to sympathetic blockade during spinal anesthesia. Chamberlain DP, et al. **Anesthesiology** 1986 Aug;65(2):139–43

A new look at sympathetic denervation during spinal anesthesia [editorial] Greene NM. **Anesthesiology** 1986 Aug;65(2):137–8

Quantitative assessment of the effectiveness of chemical lumbar sympathectomy. McCollum PT, et al. **Br J Anaesth** 1985 Dec;57(12):1146–9

The effect of chemiosympathectomy on the incidence of stress-induced gastric erosions. Tóth T. **Br J Exp Pathol** 1986 Jun;67(3):349–52

The effects of chemical sympathectomy on dopamine, noradrenaline and adrenaline content in some peripheral tissues. Caramona MM, et al. **Br J Pharmacol** 1985 Oct; 86(2):351–6

Effect of chemical sympathectomy with oxidopamine on systemic blood flow in rats with acute pancreatitis. Donahue PE, et al. **Circ Shock** 1986;19(1):23–30

Retrograde axonal transport in rat ileal mesenteric nerves. Characterization using intravenously administered 125I-nerve growth factor and effect of chemical sympathectomy. Schmidt RE, et al. **Diabetes** 1985 Dec; 34(12):1222–9

Effects of chemical sympathectomy with 6-hydroxydopamine on alpha- and beta-adrenoceptors and muscarinic cholinoceptors in rat kidney. Yamada S, et al. **Eur J Pharmacol** 1986 Mar 4;121(3):345–53

Percutaneous chemical lumbar sympathectomy with alcohol with computed tomography control. Zagzag D, et al. **Int Angiol** 1986 Apr–Jun;5(2):83–6

Cardiac biochemical and functional adaptations to exercise in sympathectomized neonatal rats. MacIntosh AM, et al. **J Appl Physiol** 1986 Mar;60(3):991–6

Effects of chemical sympathectomy on dopamine and noradrenaline content of the dog gastrointestinal tract. Esplugues JV, et al. **J Auton Pharmacol** 1985 Sep; 5(3):189–95

Molecular adaptations in catecholamine biosynthesis induced by cold stress and sympathectomy. Stachowiak MK, et al. **J Neurosci Res** 1986;16(1):13–24

Effects of chronic dietary lithium on behavioral indices of dopamine denervation supersensitivity in the rat. Swerdlow NR, et al. **J Pharmacol Exp Ther** 1985 Nov;235(2):324–9

A physiological basis for subclassifying beta-adrenoceptors examined by chemical sympathectomy of guinea-pigs. Broadley KJ, et al. **J Physiol (Lond)** 1986 Apr;373:367–78

Enhanced responsiveness of the coronary blood vessel of the dog heart–lung preparation to PGI2 after chronic chemical sympathectomy. Katano Y, et al. **Jpn J Pharmacol** 1985 Jul;38(3):325–8

Effects of 6-OHDA lesions of the central medial nucleus accumbens on rat intravenous morphine self-administration. Smith JE, et al. **Pharmacol Biochem Behav** 1985 Nov;23(5):843–9

Effect of different denervation procedures on catecholamines in the gut. Graffner H, et al. **Scand J Gastroenterol** 1985 Dec;20(10):1276–80

[Are there indications for sympatholysis using phenol?] Coubret P, et al. **J Mal Vasc** 1985;10(4):357–61 (Eng. Abstr.) **(Fre)**

[Circadian behavior of oxygen consumption of rats with and without peripheral chemical sympathectomy with 6-OH-dopamine] Ankermann H. **Biomed Biochim Acta** 1985;44(9):1351–7 (Eng. Abstr.) **(Ger)**

[Effects of chemical sympathectomy in rabbits with experimental free flaps] Wada H. **Fukuoka Igaku Zasshi** 1986 Apr;77(4):209–28 (Eng. Abstr.) **(Jpn)**

[Influence of noradrenaline denervation supersensitivity on urination] Wada T, et al. **Nippon Heikatsukin Gakkai Zasshi** 1985 Aug;21(4):280–2 **(Jpn)**

[Effect of guanethidine sympathectomy on cardiac functions in rat pups] Abazov VA, et al. **Biull Eksp Biol Med** 1986 Feb;101(2):141–4 (Eng. Abstr.) **(Rus)**

[Morphometric and autoradiographic analysis of protein biosynthesis and the transcription apparatus in sympathetic neurons of normal and partially sympathectomized rats] Chuchkova NN, et al. **Biull Eksp Biol Med** 1986 Jan; 101(1):92–4 (Eng. Abstr.) **(Rus)**

[Age-related characteristics of calcium and magnesium levels in the myocardium of growing rats after pharmacologic sympathectomy] Viktorov AP, et al. **Farmakol Toksikol** 1985 Sep–Oct;48(5):49–51 (Eng. Abstr.) **(Rus)**

[Age and changes in hemodynamics in the neonatally desympathized rat] Tarasova OS, et al. **Fiziol Zh SSSR** 1985 Oct;71(10):1222–8 (Eng. Abstr.) **(Rus)**

[On the second principle of the law of denervation] Levin SL. **Vestn Akad Med Nauk SSSR** 1985;(10):78–85 (Eng. Abstr.) **(Rus)**

[Electrical fields of the heart in puppies with experimental cardiomegaly and chemical sympathectomy] Bernadič M, et al. **Bratisl Lek Listy** 1986 Apr;85(4):478–95 (Eng. Abstr.) **(Slo)**

[The effect of chronic sympathectomy on the concentration and total levels of DNA and hydroxyproline in the myocardium of young rats with increased cardiac load] Zlatoš L, et al. **Bratisl Lek Listy** 1986 Apr;85(4):430–43 (Eng. Abstr.) **(Slo)**

METHODS

Computerised tomography guided lumbar sympathectomy. Redman DR, et al. **Anaesthesia** 1986 Jan;41(1):39–41

[Preganglionic sympathetic denervation as a method of treatment of patients with stenocardia] Sokolov IuN, et al. **Vrach Delo** 1985 Sep;(9):18–20 (Eng. Abstr.) **(Rus)**

SYMPATHETIC BLOCKING AGENTS see **SYMPATHOLYTICS**

SYMPATHETIC FIBERS see **ADRENERGIC FIBERS**

SYMPATHETIC GANGLIA see **GANGLIA, SYMPATHETIC**

SYMPATHETIC NERVE BLOCK see **AUTONOMIC NERVE BLOCK**

SYMPATHETIC NERVOUS SYSTEM

Changes in the adrenergic reactivity of spontaneously hypertensive rats after abrupt withdrawal of chronic clonidine treatment. Staneva-Stoytcheva D, et al. **Acta Physiol Pharmacol Bulg** 1985;11(2):35–43

Atrial demand pacing to protect against vagal overactivity in sympathetic autonomic neuropathy. Bannister R, et al. **Brain** 1986 Apr;109 (Pt 2):345–56

Mucocele of the sphenoid sinus with the apex orbitae syndrome. Chen HJ, et al. **Surg Neurol** 1986 Jan;25(1):101–4

Interrupted aortic arch associated with Pourfour du Petit syndrome. Serra J, et al. **Thorax** 1986 Mar;41(3):217–8

[Several cardiovascular manifestations induced by vibrational stimuli] Rochette G, et al. **C R Soc Biol (Paris)** 1985; 179(4):522–7 (Eng. Abstr.) **(Fre)**

ANALYSIS

Cultured neurons contain a variety of microtubule-associated proteins. Peng I, et al. **Brain Res** 1985 Dec 30; 361(1–2):200–11

An immunological characterization of five common antigens of chromaffin granules and of large dense-cored vesicles of sympathetic nerve. Hagn C, et al. **Neurosci Lett** 1986 Jun 30;67(3):295–300

Purification and partial characterization of a cholinergic neuronal differentiation factor. Fukada K. **Proc Natl Acad Sci USA** 1985 Dec;82(24):8795–9

ANATOMY & HISTOLOGY

Non-nicotinic, non-adrenergic excitatory motor fibres in the preganglionic sympathetic supply to the feline colon. An axon reflex arrangement associated to thin sensory neurons, involving substance P? Fändriks L, et al. **Acta Physiol Scand** 1985 Mar;123(3):273–84

Structural studies of innervation on nonpregnant rat uterus. Garfield RE. **Am J Physiol** 1986 Jul;251(1 Pt 1):C41–54

Innervation of bat heart: cholinergic and adrenergic nerves innervate all chambers. O'Shea JE, et al. **Am J Physiol** 1985 Oct;249(4 Pt 2):H876–82

Fibroblasts and sympathetic innervation of blood vessels. Soares-da-Silva P, et al. **Blood Vessels** 1985;22(6):278–85

Sympathetic nerve fibers in rat orofacial and cerebral tissues as revealed by the HRP-WGA tracing technique: a light and electron microscopic study. Marfurt CF, et al. **Brain Res** 1986 Feb 26;366(1–2):373–8

Motor, sympathetic and sensory innervation of rat skeletal muscles. Peyronnard JM, et al. **Brain Res** 1986 May 14; 373(1–2):288–302

Specificity of spinal projections from hypothalamic and brainstem areas which innervate sympathetic preganglionic neurons. Tucker DC, et al. **Brain Res** 1985 Dec 23; 360(1–2):159–64

Cerebral perivascular serotonergic fibres have a peripheral origin in the gerbil. Alafaci C, et al. **Brain Res Bull** 1986 Feb;16(2):303–4

Anatomical evidence for the interaction of sympathetic and parasympathetic neurons in the cardiac ganglion of Necturus. Neel DS, et al. **J Auton Nerv Syst** 1986 Apr; 15(4):297–308

Overlap of segmental populations and axon collaterals in the thoracic sympathetic system of the cat. Pardini BJ, et al. **J Auton Nerv Syst** 1985 Sep;14(1):1–11

Extrinsic pathways of the adrenergic innervation of the guinea-pig trachealis muscle. Smith RV, et al. **J Auton Nerv Syst** 1985 Sep;14(1):61–73

The location of descending fibres to sympathetic neurons supplying the eye and sudomotor neurons supplying the head and neck. Nathan PW, et al. **J Neurol Neurosurg Psychiatry** 1986 Feb;49(2):187–94

The high thoracic sympathetic nerve system—its anatomic variability. van Rhede van der Kloot E, et al. **J Surg Res** 1986 Feb;40(2):112–9

Pathways of sympathetic innervation to the superior and inferior (Müller's) tarsal muscles. Manson PN, et al. **Plast Reconstr Surg** 1986 Jul;78(1):33–40

[Structure and homodynamia of the intersegmental connection TI–TII] Lobko PI, et al. **Arkh Anat Gistol Embriol** 1985 Jun;88(6):17–22 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Fluorescent carbocyanine dyes allow living neurons of identified origin to be studied in long-term cultures. Honig MG, et al. **J Cell Biol** 1986 Jul;103(1):171–87

Identification of distinct topographical distributions of lumbar sympathetic and sensory neurons projecting to end organs with different functions in the cat. Jänig W, et al. **J Comp Neurol** 1986 Apr 1;246(1):104–12

Cellular localization of the molecular forms of acetylcholinesterase in primary cultures of rat sympathetic neurons and analysis of the secreted enzyme. Ferrand C, et al. **J Neurochem** 1986 Feb;46(2):349–58

Neurofilament protein abnormalities in PC12 cells: comparison with neurofilament proteins of normal cultured rat sympathetic neurons. Lee VM. **J Neurosci** 1985 Nov; 5(11):3039–46

High threshold aortic baroreceptor afferents in the sympathetic nerve. Koley B, et al. **Jpn J Physiol** 1985; 35(4):581–90

DRUG EFFECTS

Effect of an opiate antagonist on the responses of circulating catecholamines and the renin–aldosterone system to acute sympathetic stimulation by hand–grip in man. Lam KS, et al. **Acta Endocrinol (Copenh)** 1986 Feb;111(2):252–7

Dual inhibitory action of ATP on adrenergic neuroeffector transmission in rabbit pulmonary artery. Husted SE, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Sep;57(3):204–13

Neuropeptide Y may mediate effects of sympathetic nerve stimulations on colonic motility and blood flow in the cat. Hellström PM, et al. **Acta Physiol Scand** 1985 Aug; 124(4):613–24

Naloxone and haemorrhagic hypotension in rats. Evidence against sympathetic nervous system as the primary mediator of improved cardiovascular haemodynamics. Månsson J, et al. **Acta Physiol Scand** 1986 Jun;127(2):155–9

Influence of beta blockade and intrinsic sympathomimetic activity on hemodynamics, inotropy and respiration at rest and during exercise. Sundberg S, et al. **Am J Cardiol** 1986 Jun 1;57(15):1394–9

Sites at which vasopressin facilitates baroreflex inhibition of lumbar sympathetic nerve activity. Guo GB, et al. **Am J Physiol** 1986 Sep;251(3 Pt 2):H644–55

Renal responses to atriopeptin II are not dependent on renal nerves. Krayacich J, et al. **Am J Physiol** 1986 Jul;251(1 Pt 2):R187–91

Interaction of bradykinin and prostaglandin E1 on cardiac pressor reflex and sympathetic afferents. Nerdrum T, et al. **Am J Physiol** 1986 May;250(5 Pt 2):R815–22

Effect of glucose and other hexoses on efferent discharges of brown adipose tissue nerves. Niijima A.
Am J Physiol 1986 Aug;251(2 Pt 2):R240–2

Effects of diazepam and midazolam on baroreflex control of heart rate and on sympathetic activity in humans. Marty J, et al. **Anesth Analg** 1986 Feb;65(2):113–9

The effect of maternal labetalol on the newborn infant. Macpherson M, et al. **Br J Obstet Gynaecol** 1986 Jun; 93(6):539–42

Opioid receptor types on adrenergic nerve terminals of rabbit ear artery. Fukuda H, et al. **Br J Pharmacol** 1985 Nov; 86(3):539–45

The depolarizing action of 5–hydroxytryptamine on rabbit vagal afferent and sympathetic neurones in vitro and its selective blockade by ICS 205–930. Round A, et al.
Br J Pharmacol 1986 Jun;88(2):485–94

Effect of sympathetic blockade on central prostaglandin E2–induced hyperthermia. Hoffman WE, et al.
Brain Res 1986 Mar 5;367(1–2):73–6

Sympatho–adrenal medullary functions in response to intracerebroventricularly injected corticotropin–releasing factor in anesthetized rats. Kurosawa M, et al.
Brain Res 1986 Mar 5;367(1–2):250–7

Vasopressin depolarizes lateral horn cells of the neonatal rat spinal cord in vitro. Ma RC, et al. **Brain Res** 1985 Nov 25;348(1):36–43

Different effects of nerve growth factor on cultured sympathetic and sensory neurons. Sato M. **Brain Res** 1985 Oct 14;345(1):192–5

Effect of clonidine and gamma–aminobutyric acid on the discharges of medullo–spinal sympathoexcitatory neurons in the rat. Sun MK, et al. **Brain Res** 1986 Mar 12; 368(1):1–17

The influence of intrinsic sympathomimetic activity on regional left ventricular function; use of regional ejection fraction to demonstrate a beneficial action by pindolol over propranolol on hypokinetic segments. Johnston DL, et al.
Can J Cardiol 1985 May–Jun;1(3):174–9

Cardiovascular and sympathetic responses to ouabain injected into the hypothalamus in rats. Iyoda I, et al.
Cardiovasc Res 1986 Apr;20(4):294–8

The adrenergic system and the cardiovascular effects of platelet activating factor (1–0–hexadecyl–2–acetyl–sn–glycero–3–phosphocholine) in SHR and WKY rats. Zukowska–Grojec Z, et al.
Clin Exp Hypertens [A] 1985;7(7):1015–31

Enhancement of the sympathoadrenal response to the cold–pressor test by naloxone in man. Bouloux PM, et al.
Clin Sci 1985 Sep;69(3):365–8

Effects of san–huang–hsieh–hsin–tang on sympathetic activity, plasma renin, and plasma aldosterone. Chen HC, et al. **Clin Ther** 1985;7(5):600–6

Intrinsic sympathomimetic activity (ISA) of pindolol in patients with sinus node dysfunction. Viersma JW, et al.
Eur Heart J 1986 Jan;7(1):42–6

Effects of the dopaminergic agonist cianergoline on blood pressure, the renin–angiotensin–aldosterone axis and the sympathetic nervous system in patients with essential hypertension. Bise G, et al. **Eur J Clin Pharmacol** 1985; 29(1):25–31

Evidence for a central sympathoinhibitory action of prazosin and indoramin. Ramage AG. **Eur J Pharmacol** 1986 Feb 11;121(1):83–9

The effects of ketanserin, methysergide and LY 53857 on sympathetic nerve activity. Ramage AG.
Eur J Pharmacol 1985 Jul 31;113(3):295–303

Adenosine modulation of adrenergic neurotransmission in the human fallopian tube. Wiklund NP, et al.
Eur J Pharmacol 1986 Apr 9;123(1):11–8

Effects of converting enzyme inhibitors: ramipril and enalapril on peptide action and sympathetic neurotransmission in the isolated heart. Xiang JZ, et al.
Eur J Pharmacol 1985 Jul 17;113(2):215–23

Sympathetic neurons extend neurites in a culture medium containing cyanide and dinitrophenol but not iodoacetate. Wakade AR, et al. **FEBS Lett** 1985 Oct 7;190(1):95–8

Captopril modifies the hemodynamic and neuroendocrine responses to sodium nitroprusside in hypertensive patients. Clementi WA, et al. **Hypertension** 1986 Mar;8(3):229–37

Effects of propranolol on the impulse activity of cardiovascular sympathetic afferent fibers. Lombardi F, et al. **Hypertension** 1986 Jan;8(1):50–5

Effect of urapidil, clonidine, and prazosin on sympathetic tone in conscious rats. Luft FC, et al. **Hypertension** 1986 Apr;8(4):303–11

Effects of clonidine on central and peripheral nerve tone in primary hypertension. Sullivan PA, et al.
Hypertension 1986 Jul;8(7):611–7

Modification of sympathetic nervous system activity in rat tissues by dietary vitamin E. Behrens WA, et al.
Int J Vitam Nutr Res 1986;56(2):135–41

Modulation by vanadate of the adrenergic characteristics of the iris, ileum, and vas deferens. Delamere NA, et al.
Invest Ophthalmol Vis Sci 1986 Sep;27(9):1336–41

Relationship of sodium sensitivity and the sympathetic nervous system. Dustan HP. **J Cardiovasc Pharmacol** 1985; 7 Suppl 8:S56–63

Clonidine prevents the sympathetic initiation and aggravation of poststenotic myocardial ischemia. Heusch G, et al.
J Cardiovasc Pharmacol 1985 Nov–Dec;7(6):1176–82

Adrenergic and dopaminergic properties of dopamine sulfoconjugates. Kyncl JJ, et al.
J Cardiovasc Pharmacol 1985 Nov–Dec;7(6):1198–204

Microneurography: a technique for assessing central neural effects of adrenergic drugs on sympathetic outflow in humans. Mark AL, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 8:S67–9

Perindopril, a new converting enzyme inhibitor: systemic and regional hemodynamics and sympathoinhibitory effects in spontaneously hypertensive rats. Richer C, et al.
J Cardiovasc Pharmacol 1986 Mar–Apr;8(2):346–57

Vasopressin: mechanism of central cardiovascular action in conscious rats. Rohmeiss P, et al.
J Cardiovasc Pharmacol 1986 Jul–Aug;8(4):689–96

Esmolol and the adrenergic response to perioperative stimuli. Murthy VS, et al. **J Clin Pharmacol** 1986 Mar;26 Suppl A:A27–A35

Sympathetic tone and pressor response to noradrenaline during mineralocorticoid–induced blood pressure rise in man. Distler A, et al. **J Hypertension [Suppl]** 1985 Dec; 3(4):S27–32

Role of drugs modifying sympathetic nervous system activity in the treatment of hypertension. Peart S.
J Hypertension [Suppl] 1985 Dec;3(4):S51–5

Sympathetic activation following central vasopressin receptor stimulation in conscious rats. Unger T, et al.
J Hypertension [Suppl] 1984 Dec;2(3):S25–7

Effects of insulin, insulin–like growth factor–II, and nerve growth factor on neurite formation and survival in cultured sympathetic and sensory neurons. Recio–Pinto E, et al.
J Neurosci 1986 May;6(5):1211–9

Antihypertensive effects of 12 beta adrenoceptor antagonists in conscious spontaneously hypertensive rats: relationship to changes in plasma renin activity, heart rate and sympathetic nerve function. Antonaccio MJ, et al.
J Pharmacol Exp Ther 1986 Jul;238(1):378–87

Inhibitory effect of alpha–1 adrenoceptor stimulation on cardiac sympathetic neurotransmission in pithed normotensive rats. de Jonge A, et al.
J Pharmacol Exp Ther 1986 Feb;236(2):500–4

Adenosine affects sympathetic neurotransmission at multiple sites in vivo. Evoniuk GE, et al.
J Pharmacol Exp Ther 1986 Feb;236(2):350–5

Effects of the diethylamino analog of ethmozin (ethacizin) upon sympathetic and parasympathetic efferent activity to the canine heart. Hageman GR, et al.
J Pharmacol Exp Ther 1986 Jan;236(1):75–9

Sympathetic vasoconstriction and renin secretion cause pressor responses to thyrotropin–releasing hormone in rats. Mattila J, et al. **J Pharmacol Exp Ther** 1986 Jul;238(1):232–6

Cardiovascular responsiveness to sympathetic activation after chronic epinephrine administration. Schwartz DD, et al.
J Pharmacol Exp Ther 1986 Jul;238(1):148–54

Thromboxane agonist (U46619) potentiates norepinephrine efflux from adrenergic nerves. Trachte GJ.
J Pharmacol Exp Ther 1986 May;237(2):473–7

Effects of epinephrine, isoproterenol and IPS–339 on sympathetic transmission to the dog heart: evidence against the facilitatory role of presynaptic beta adrenoceptors. Yorikane R, et al. **J Pharmacol Exp Ther** 1986 Jul; 238(1):334–40

Effect of calcium antagonists on adrenergic mechanisms in canine saphenous veins. Jayakody RL, et al.
J Physiol (Lond) 1986 Mar;372:25–39

Centrally induced vasodepressor and sympathetic nerve responses to taurine. Inoue A, et al. **Jpn Circ J** 1985 Nov; 49(11):1180–4

Suppression of sympathetic nervous system by short photoperiod and melatonin in the Syrian hamster. Viswanathan M, et al. **Life Sci** 1986 Jan 6;38(1):73–9

The effect of chronic ephedrine treatment on substrate utilization, the sympathoadrenal activity, and energy expenditure during glucose–induced thermogenesis in man. Astrup A, et al. **Metabolism** 1986 Mar;35(3):260–5

Histaminergic agents can modulate adrenergic smooth muscle neurotransmission. Todorov S, et al.
Methods Find Exp Clin Pharmacol 1985 Jul;7(7):357–60

Effects of a monoamine oxidase A inhibitor, FLA 668 (+) on the adrenergic mechanisms of the dog saphenous vein. Caramona MM, et al.
Naunyn Schmiedebergs Arch Pharmacol 1985 Nov; 331(2–3):181–5

Calcium entry blockers inhibit vasoconstrictor responses to sympathetic nerve stimulation mediated by alpha 1–adrenoceptors. Holck M, et al.
Naunyn Schmiedebergs Arch Pharmacol 1985 Jul; 330(1):22–32

Interaction between central alpha 1– and alpha 2–adrenoceptors on sympathetic tone in rats. Huchet AM, et al. **Neuropharmacology** 1986 May;25(5):509–14

Norepinephrine depolarizes lateral horn cells of neonatal rat spinal cord in vitro. Ma RC, et al. **Neurosci Lett** 1985 Sep 30;60(2):163–8

Long–lasting effects of the noradrenergic neurotoxin N–(2–chloroethyl)–N–ethyl–2–bromobenzylamine (DSP–4) on prevertebral sympathetic neurones in the rat. Santer RM. **Neurosci Lett** 1985 Nov 11;61(3):327–32

Effect of morphine on the adrenal sympathetic reflex elicited by mechanical stimulation of the skin in rats. Togashi H, et al. **Neurosci Lett** 1985 Nov 20;62(1):81–7

Clonidine stimulated the release of dynorphin in the spinal cord of the rat: a possible mechanism for its depressor effects. Xie CW, et al. **Neurosci Lett** 1986 Apr 11; 65(2):224–8

Effect of calcitonin gene–related peptide on the neuroeffector mechanism of sympathetic nerve terminals in rat vas deferens. Ohhashi T, et al. **Peptides** 1985 Sep–Oct; 6(5):987–91

Enhanced sympathetic activity as a mechanism for cardiac glycoside toxicity in hypomagnesemia. Tackett RL.
Pharmacology 1986;32(3):141–6

Central glucagon–induced hyperglycemia is mediated by combined activation of the adrenal medulla and sympathetic nerve endings. Amir S. **Physiol Behav** 1986; 37(4):563–6

Effects of guanethidine sympathectomy on feeding, drinking, weight gain and amphetamine anorexia in the rat. Freeman PH, et al. **Physiol Behav** 1985 Sep;35(3):473–7

Intravenous cyclosporine activates afferent and efferent renal nerves and causes sodium retention in innervated kidneys in rats. Moss NG, et al. **Proc Natl Acad Sci USA** 1985 Dec;82(23):8222–6

Atrial natriuretic factor inhibits the sympathetic nervous activity in one–kidney, one–clip hypertension in the rat. Debinski W, et al. **Proc Soc Exp Biol Med** 1986 Jan; 181(1):173–7

The blood pressure decrease–induced sympathetic discharge following atrial natriuretic factor administration may offset its natriuretic action. Kuchel O, et al.
Proc Soc Exp Biol Med 1986 Sep;182(4):570–5

Proposal of cascade action of taurine related sulfur amino acids on cardiac and vascular sympathetic nerves: protection and therapy of injuries after tooth extraction in guinea–pigs. Ito R, et al. **Prog Clin Biol Res** 1985; 179:215–24

Effects of high alcohol intake on blood pressure, adrenergic activity, and the renin–angiotensin system. Ibsen H, et al.
Scand J Clin Lab Invest [Suppl] 1985;176:87–91

[Measurements of skin resistance in detecting activity of the sympathetic nervous system in spinal anesthesia] Janitzki A, et al. **Reg Anaesth** 1986 Apr;9(2):49–53 (Eng. Abstr.) **(Ger)**

[Effect of neuropeptide Y on the sympathetic neuromuscular junction of the lymphatic venule wall] Ohashi T.
Nippon Heikatsukin Gakkai Zasshi 1985 Aug;21(4):270–2 **(Jpn)**

[Ouabain–induced reflex inhibition of renal sympathetic nerve activity] Tomomatsu E, et al. **Nippon Jinzo Gakkai Shi** 1985 Oct;27(10):1405–10 (Eng. Abstr.) **(Jpn)**

[Effects of different salt intakes on urinary output of catecholamines and renal sympathetic nerve activity] Yamazaki H, et al. **Nippon Jinzo Gakkai Shi** 1985 Nov; 27(11):1565–70 (Eng. Abstr.) **(Jpn)**

[Effect of saralasin on the activity of the renin–angiotensin–aldosterone system, sympathetic–adrenal system and the level of the 6–keto–PGF1 alpha metabolite of prostacyclin in patients with primary arterial hypertension] Bar–Andziak E, et al. **Kardiol Pol** 1985; 28(7):481–8 (Eng. Abstr.) **(Pol)**

[Effect of ethacizin (diethylamine analog of ethmozine) on the efferent activity of the sympathetic and parasympathetic nerves of the heart] Khageman GR, et al. **Kardiologiia** 1986 Apr;26(4):54–60 (Eng. Abstr.) **(Rus)**

[Interrelation of enkephalins with the sympathetico–adrenal system in acute experimental myocardial ischemia] Alekminskaia LA, et al. **Patol Fiziol Eksp Ter** 1986 Jan–Feb;(1):16–8 (Eng. Abstr.) **(Rus)**

[Effect of rifampicin and ethambutol on indices of the sympathoadrenal system in patients with recurrent pulmonary tuberculosis] Grozovskaia MS. **Probl Tuberk** 1985;(10):38–40 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Glial–like cells in sympathetic neural crest derivatives during human embryogenesis. Detection by S–100 immunohistochemistry. Lauriola L, et al. **Brain Res** 1986 Jul;393(1):69–74

Cyclic AMP in normal and sympathetically aneural chick hearts during development. Phillips MT, et al.
J Mol Cell Cardiol 1986 Aug;18(8):827–35

The influence of neural tube–derived factors on differentiation of neural crest cells in vitro. I. Histochemical study on the appearance of adrenergic cells. Howard MJ, et al. **J Neurosci** 1985 Dec;5(12):3302–9

[A morphological investigation of the thoracic sympathetic trunks and the chain ganglia of human fetuses] Nomura T. **Nippon Ika Daigaku Zasshi** 1985 Aug;52(4):429–56 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Localization of monoamine oxidase (MAO) in the rat peripheral nervous system—existence of MAO–containing unmyelinated axons. Matsubayashi K, et al. **Brain Res** 1986 Mar 12;368(1):30–5

Development of choline acetyltransferase (CAT) in the sympathetic innervation of rat sweat glands. Leblanc G, et al. **J Neurosci** 1986 Jan;6(1):260–5

Tyrosine hydroxylase activity in the sympathoadrenal system under basal and stressful conditions: effect of 6–hydroxydopamine. Fluharty SJ, et al.
J Pharmacol Exp Ther 1985 Nov;235(2):354–60

Dopaminergic and noradrenergic sympathetic nerves of the dog have different DOPA decarboxylase activities. Harris T, et al. **Neurosci Lett** 1986 Apr 11;65(2):155–60

GROWTH & DEVELOPMENT

Development of sympathetic neurones in vivo: an investigation of the possible role of glucocorticosteroids in regulating transmitter type. Hill CE, et al. **Aust J Exp Biol Med Sci** 1985 Aug;63 (Pt 4):439–49

Peripheral sympathetic ingrowth can alter metabolic activity within the hippocampal formation. Harrell LE, et al. **Exp Neurol** 1986 Mar;91(3):622–7

Involvement of developing sympathetic nervous system in thyroxine–mediated submandibular gland nerve growth factor and epidermal growth factor responses. Lakshmanan J, et al. **Pediatr Res** 1986 Mar;20(3):232–6

INJURIES

Denervation–induced formation of adrenergic synapses in the superior cervical sympathetic ganglion of the rat and the enhancement of this effect by postganglionic axotomy. Ramsay DA, et al. **Neuroscience** 1985 Dec;16(4):997–1026

METABOLISM

Identification of presynaptic beta 2–adrenoceptors on the sympathetic nerve fibres of the human pulmonary artery. Göthert M, et al. **Br J Pharmacol** 1985 Aug;85(4):933–41

Coexistence of calcitonin gene–related peptide and vasoactive intestinal peptide in cholinergic sympathetic innervation of rat sweat glands. Landis SC, et al. **Brain Res** 1986 Jul 2;377(1):177–81

Inhibition of the retrograde axonal transport of dopamine–beta–hydroxylase antibodies by the calcium ionophore A23187. Lees GJ. **Brain Res** 1985 Oct 14; 345(1):62–7

Retrograde axonal transport of [125I]nerve growth factor in ileal mesenteric nerves in vitro: effect of streptozotocin diabetes. Schmidt RE, et al. **Brain Res** 1986 Jul 23; 378(2):325–36

Comparative distribution of neuropeptide tyrosine–, vasoactive intestinal polypeptide–, substance P–immunoreactive, acetylcholinesterase–positive and noradrenergic nerves in the reproductive tract of the female rat. Papka RE, et al. **Cell Tissue Res** 1985;242(3):475–90

'Neuropeptide tyrosine' (NPY) is co–stored with noradrenaline in vascular but not in parenchymal sympathetic nerves of brown adipose tissue. Cannon B, et al. **Exp Cell Res** 1986 Jun;164(2):546–50

Plasma expansion effect on cardiac capillary and adrenergic exchange in intact dogs. Cousineau D, et al. **J Appl Physiol** 1986 Jan;60(1):147–53

Metabolism of norepinephrine during nerve stimulation in dog trachea. Russell JA, et al. **J Appl Physiol** 1985 Oct; 59(4):1236–41

Segmental distribution of peptide–like immunoreactivity in cell bodies of the thoracolumbar sympathetic nuclei of the cat. Krukoff TL, et al. **J Comp Neurol** 1985 Oct 1; 240(1):90–102

Segmental distribution of peptide– and 5HT–like immunoreactivity in nerve terminals and fibers of the thoracolumbar sympathetic nuclei of the cat. Krukoff TL, et al. **J Comp Neurol** 1985 Oct 1;240(1):103–16

Presence of a noradrenaline uptake system on a ligated cat sympathetic nerve. Ceña V, et al. **J Physiol (Lond)** 1986 Mar;372:351–62

Accumulation of adrenaline in sympathetic nerve endings in various organs of the rat exposed to swimming stress. Sudo A. **Jpn J Pharmacol** 1985 Aug;38(4):367–74

Functional corticotropin releasing factor receptors in the primate peripheral sympathetic nervous system. Udelsman R, et al. **Nature** 1986 Jan 9–15;319(6049):147–50

Phorbol ester, an activator of protein kinase C, enhances calcium–dependent release of sympathetic neurotransmitter. Wakade AR, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Oct; 331(1):122–4

Receptor–mediated actions of corticotropin–releasing factor in pituitary gland and nervous system. Aguilera G, et al. **Neuroendocrinology** 1986;43(1):79–88 (37 ref.)

Neuronal dopamine receptors on autonomic ganglia and sympathetic nerves and dopamine receptors in the gastrointestinal system. Willems JL, et al. **Pharmacol Rev** 1985 Jun;37(2):165–216 (505 ref.)

Inhibition by diltiazem of norepinephrine release from sympathetic nerves in the rabbit pulmonary artery. Zelis R, et al. **Pharmacology** 1985;31(5):268–77

[Role of the sympathetic–adrenal system in the development of experimental stomach ulcers and in the pathogenesis of peptic ulcer (review of the literature)] Zabrodin ON. **Vrach Delo** 1985 Sep;(9):60–5 (20 ref.) **(Rus)**

PATHOLOGY

Adrenergic innervation of vasa and nervi nervorum of optic, sciatic, vagus and sympathetic nerve trunks in normal and streptozotocin–diabetic rats. Dhital K, et al. **Brain Res** 1986 Mar 5;367(1–2):39–44

Loss of adrenergic innervation in induced rabbit hydrosalpinx. Donnez J, et al. **Gynecol Obstet Invest** 1986; 21(4):213–6

PHYSIOLOGY

Epidural fentanyl counteracts sympathetic gastric inhibition. Lisander B, et al. **Acta Anaesthesiol Scand** 1985 Aug; 29(6):560–5

Sympathetic stimulation of amylase secretion during a parasympathetic background activity in the rat parotid gland. Asking B. **Acta Physiol Scand** 1985 Aug; 124(4):535–42

Neuropeptide Y (NPY) and sympathetic control of blood flow in oral mucosa and dental pulp in the cat. Edwall B, et al. **Acta Physiol Scand** 1985 Oct;125(2):253–64

Blockade of substance P receptors inhibits non–nicotinic, non–adrenergic colonic contractions induced by stimulation of the lumbar sympathetic nerves to the feline large intestine. Fändriks L, et al. **Acta Physiol Scand** 1985 Aug;124(4):565–71

Sympathetic inhibition after surgical reversal of renovascular hypertension in rats. Role of vagal nerves. Göthberg G, et al. **Acta Physiol Scand** 1986 Mar;126(3):397–404

Glomerulotubular balance during renal sympathetic stimulation. Hartmann A, et al. **Acta Physiol Scand** 1986 Jun;127(2):187–95

Effect of alpha, beta–methylene ATP on distal colonic and rectal motility—a possible involvement of P2–purinoceptors in pelvic nerve mediated non–adrenergic, non–cholinergic contraction. Hedlund H, et al. **Acta Physiol Scand** 1986 Aug;127(4):425–32

Co–release of neuropeptide Y and catecholamines upon adrenal activation in the cat. Lundberg JM, et al. **Acta Physiol Scand** 1986 Feb;126(2):231–8

The influence of the sympathetic impulse pattern on contractile responses of rat mesenteric arteries and veins. Nilsson H, et al. **Acta Physiol Scand** 1985 Mar;123(3):303–9

Mechanisms underlying pre– and postjunctional effects of neuropeptide Y in sympathetic vascular control. Pernow J, et al. **Acta Physiol Scand** 1986 Feb;126(2):239–49

Sympathetic nerve activity and central haemodynamics during mechanical ventilation with positive end–expiratory pressure in rats. Selldén H, et al. **Acta Physiol Scand** 1986 May;127(1):51–60

Sympathetic nerve activation decreases the release of vasoactive intestinal polypeptide from the feline intestine. Sjöqvist A, et al. **Acta Physiol Scand** 1986 Aug; 127(4):419–23

Changes in renal sympathetic outflow during hypotensive haemorrhage in rats. Skoog P, et al. **Acta Physiol Scand** 1985 Dec;125(4):655–60

Localized neural control of blood flow in the renal cortex of the anaesthetized baboon. Spelman FA, et al. **Acta Physiol Scand** 1986 Aug;127(4):437–41

Influence of temperature on stimulus–secretion coupling in the sympathetic nerves and on neuromuscular transmission, in guinea–pig vas deferens. Stjärne L, et al. **Acta Physiol Scand** 1985 Oct;125(2):181–94

The sympatho–adrenal system in physical conditioning. Significance for training–induced adaptations and dependency on the training state. Svedenhag J. **Acta Physiol Scand [Suppl]** 1985;543:1–73

Changes in sympathetic activity during high frequency T.E.N.S. Casale R, et al. **Acupunct Electrother Res** 1985; 10(3):169–75

Circulatory responses to hypovolemia in the pregnant and nonpregnant sheep after pharmacologic sympathectomy. Tabsh K, et al. **Am J Obstet Gynecol** 1986 Feb;154(2):411–9

Unilateral and bilateral sympathetic effects on cerebral blood flow during normocapnia. Busija DW. **Am J Physiol** 1986 Mar;250(3 Pt 2):H498–502

Sympathetic rhythms during hyperventilation–induced apnea. Connelly CA, et al. **Am J Physiol** 1985 Oct;249(4 Pt 2):R424–31

Sympathetic control of adrenal secretion of enkephalins after hemorrhage in awake dogs. Engeland WC, et al. **Am J Physiol** 1986 Aug;251(2 Pt 2):R341–8

Sympathetic activity, lipids accumulation, and arterial wall morphology in rabbits at high altitude. Fronek K, et al. **Am J Physiol** 1986 Mar;250(3 Pt 2):R485–92

Nucleus paragigantocellularis lateralis and lumbar sympathetic discharge in the rat. Guyenet PG, et al. **Am J Physiol** 1986 Jun;250(6 Pt 2):R1081–94

Dissociation of sympathetic and thermogenic activity in brown fat of Syrian hamsters. Hamilton JM, et al. **Am J Physiol** 1986 Mar;250(3 Pt 2):R389–95

Increased brown adipose tissue thermogenesis in obese (ob/ob) mice fed a palatable diet. Himms–Hagen J, et al. **Am J Physiol** 1986 Mar;250(3 Pt 1):E274–81

Interaction between epinephrine and renal nerves in control of renin secretion rate. Kopp UC, et al. **Am J Physiol** 1986 Jun;250(6 Pt 2):F999–1007

Lack of involvement of GABA in baroreceptor–mediated sympathoinhibition. McCall RB. **Am J Physiol** 1986 Jun; 250(6 Pt 2):R1065–73

Sympathomimetic pressor responses to thyrotropin–releasing hormone in rats. Mattila J, et al. **Am J Physiol** 1986 Jul; 251(1 Pt 2):H86–92

Angiotensin II, vasopressin, and sympathetic activity in conscious rats with endotoxemia. Schaller MD, et al. **Am J Physiol** 1985 Dec;249(6 Pt 2):H1086–92

Contrasting effects of vasopressin on baroreflex inhibition of lumbar sympathetic nerve activity. Sharabi FM, et al. **Am J Physiol** 1985 Nov;249(5 Pt 2):H922–8

Small vessel membrane potential, sympathetic input, and electrogenic pump rate in SHR. Stekiel WJ, et al. **Am J Physiol** 1986 Apr;250(4 Pt 1):C547–56

Differential sympathetic–parasympathetic interactions in sinus node and AV junction. Urthaler F, et al. **Am J Physiol** 1986 Jan;250(1 Pt 2):H43–51

Effective sites by sympathetic beta–adrenergic and vagal nonadrenergic inhibitory stimulation in constricted airways. Matsumoto N, et al. **Am Rev Respir Dis** 1985 Nov; 132(5):1113–7

Homeostatic regulation of bronchomotor tone by sympathetic activation during bronchoconstriction in normal and asthmatic humans. Sands MF, et al. **Am Rev Respir Dis** 1985 Nov;132(5):993–8

Increased polyamine formation in rat salivary glands by stimulation of their autonomic nerve supply. Ekström J, et al. **Arch Oral Biol** 1985;30(11–12):773–5

Calcium levels in rat submandibular gland and saliva after sympathetic nerve stimulation in the presence of alpha, beta 1 and beta 2–adrenergic antagonists. Schneyer CA. **Arch Oral Biol** 1986;31(6):383–6

Sympathetic and hormonal regulation of brown adipose tissue thermogenesis. Arch JR, et al. **Biochem Soc Trans** 1986 Apr;14(2):230–3

Control of glycogenolysis and hemodynamics in perfused rat liver by the sympathetic innervation. Dependence on stimulation frequency and duration. Sannemann J, et al. **Biol Chem Hoppe Seyler** 1986 May;367(5):401–9

Central effects of D–Ala2–met–enkephalinamide on the blood pressure of rats after central chemical sympathectomy or serotoninectomy. Brus R, et al. **Biomed Biochim Acta** 1985; 44(5):779–83

Fetal sympatho–adrenal mediated metabolic responses to parturition. Falconer AD, et al. **Br J Obstet Gynaecol** 1986 Jul;93(7):747–53

Analysis of the alpha–adrenoceptor–mediated, and other, components in the sympathetic vasopressor responses of the pithed rat. Flavahan NA, et al. **Br J Pharmacol** 1985 Sep;86(1):265–74

Role of the endothelium on the facilitatory effects of angiotensin I and angiotensin II on noradrenergic transmission in the caudal artery of the rat. Story DF, et al. **Br J Pharmacol** 1986 Jan;87(1):249–55

Mu receptors at discrete hypothalamic and brainstem sites mediate opioid peptide–induced increases in central sympathetic outflow. Appel NM, et al. **Brain Res** 1986 Jul 16;378(1):8–20

Effects of sympathetic stimulation on mechanoreceptive and nociceptive afferent units from the rabbit pinna. Barasi S, et al. **Brain Res** 1986 Jul 16;378(1):21–7

Hippocampal sympathetic ingrowth in rats and guinea pigs: quantitative morphometry and topographical differences. Booze RM, et al. **Brain Res** 1986 Jun 11;375(2):251–8

Locus coeruleus neurons and sympathetic nerves: activation by cutaneous sensory afferents. Elam M, et al. **Brain Res** 1986 Feb 26;366(1–2):254–61

Differentiated cardiovascular afferent regulation of locus coeruleus neurons and sympathetic nerves. Elam M, et al. **Brain Res** 1985 Dec 9;358(1–2):77–84

A1 noradrenergic neurons tonically inhibit sympathoexcitatory neurons of C1 area in rat brainstem. Granata AR, et al. **Brain Res** 1986 Jul 2;377(1):127–46

Long–term retention of Fast Blue in sympathetic neurones after axotomy and regeneration—demonstration of incorrect reconnections. Hendry IA, et al. **Brain Res** 1986 Jun 25;376(2):292–8

Subpopulations of sympathetic neurones differ in their sensitivity to nerve growth factor antiserum. Hill CE, et al. **Brain Res** 1985 Nov;355(1):121–30

Peripheral sympathectomy and adrenal medullectomy do not alter cerebrospinal fluid norepinephrine. Peskind ER, et al. **Brain Res** 1986 Mar 5;367(1–2):258–64

Correlational analysis of central noradrenergic neuronal activity and sympathetic tone in behaving cats. Reiner PB. **Brain Res** 1986 Jul 16;378(1):86–96

Tenotomy decreases sympathetic neuronal survival factors in avian smooth muscle. Rush RA. **Brain Res** 1985 Sep; 354(1):93–7

The effect of sympathectomy on calcitonin gene–related peptide levels in the rat trigeminovascular system. Schon F, et al. **Brain Res** 1985 Nov 25;348(1):197–200

Noradrenaline modifies sympathetic preganglionic neuron spike and afterpotential. Yoshimura M, et al. **Brain Res** 1986 Jan 8;362(2):370–4

Rebound cardiovascular responses following stimulation of canine vagosympathetic complexes or cardiopulmonary nerves. Armour JA, et al. **Can J Physiol Pharmacol** 1985 Sep;63(9):1122–32

Mapping of ventricular tachycardia induced by thoracic neural stimulation in dogs. Cardinal R, et al. **Can J Physiol Pharmacol** 1986 Apr;64(4):411–8

Adenosine modulation of hepatic arterial but not portal venous constriction induced by sympathetic nerves, norepinephrine, angiotensin, and vasopressin in the cat. Lautt WW, et al. **Can J Physiol Pharmacol** 1986 Apr; 64(4):449–54

Influence of the sympathetic nervous system on the growth of neuroblastoma in vivo and in vitro. Chelmicka–Schorr E, et al. **Cancer Res** 1985 Dec;45(12 Pt 1):6213–5

Diminished beta–adrenergic modulation of cardiovascular function in advanced age. Lakatta EG. **Cardiol Clin** 1986 May;4(2):185–200 (37 ref.)

Effect of progesterone on the sympathetic response of a frog nerve–skin preparation. Neumann V, et al. **Cell Mol Biol** 1985;31(5):373–7

Decreased basal cardiac interstitial norepinephrine release after neuronal uptake inhibition in dogs. Cousineau D, et al. **Circ Res** 1986 Jun;58(6):859–66

The renal sympathetic baroreflex in the rabbit. Arterial and cardiac baroreceptor influences, resetting, and effect of anesthesia. Dorward PK, et al. **Circ Res** 1985 Oct; 57(4):618–33

Power spectral analysis of heart rate and arterial pressure variabilities as a marker of sympatho–vagal interaction in man and conscious dog. Pagani M, et al. **Circ Res** 1986 Aug;59(2):178–93

Effects of sympathetic tone on vagally induced phasic changes in heart rate and atrioventricular node conduction in the anesthetized dog. Salata JJ, et al. **Circ Res** 1986 Apr; 58(4):584–94

The effects of changes in physical activity on major cardiovascular risk factors, hemodynamics, sympathetic function, and glucose utilization in man: a controlled study of four levels of activity. Jennings G, et al. **Circulation** 1986 Jan;73(1):30–40

Sympathoadrenal activity and plasma glucose effects on plasma dopamine–beta–hydroxylase levels in rats. Muñoz JA, et al. **Clin Chim Acta** 1985 Nov 15;152(3):243–52

The role of stress and the sympathetic nervous system in hypertension and ischemic heart disease: advantages of therapy with beta–receptor blockers. DeQuattro V, et al. **Clin Exp Hypertens [A]** 1985;7(7):907–32 (93 ref.)

The role of the sympathetic nervous system in 2–kidney DOCA–hypertensive Yucatan miniature swine. Zambraski EJ, et al. **Clin Exp Hypertens [A]** 1986;8(3):411–24

Pharmacologic reduction of sympathetic drive increases platelet alpha–2–receptor number. Egan B, et al. **Clin Pharmacol Ther** 1985 Nov;38(5):519–24

Non–adrenergic neurotransmitters in relation to sympathetic nervous control of the lower urinary tract. Burnstock G. **Clin Sci** 1986;70 Suppl 14:15s–20s (61 ref.)

The distribution of noradrenergic nerves in the human lower urinary tract. Gosling JA. **Clin Sci** 1986;70 Suppl 14:3s–6s

Role of the renal nerves in modulating renin release during pressure reduction at the feline kidney. Johns EJ. **Clin Sci** 1985 Aug;69(2):185–95

Adrenergic control of lipogenesis and lipolysis in the chicken in vitro. Campbell RM, et al. **Comp Biochem Physiol [C]** 1985;82(1):137–42

Lymphatic transport rate of noradrenaline during adrenergic thermogenesis. Pácha J, et al. **Comp Biochem Physiol [C]** 1986;83(1):161–4

Sympathetic response to maximal bicycle exercise before and after leg strength training. Péronnet F, et al. **Eur J Appl Physiol** 1986;55(1):1–4

Sympathetic control of the forearm blood flow in man during brief isometric contractions. Williams CA, et al. **Eur J Appl Physiol** 1985;54(2):156–62

Control of urea production, glutamine release and ammonia uptake in the perfused rat liver by the sympathetic innervation. Ballé C, et al. **Eur J Biochem** 1986 Jul 1; 158(1):13–8

Control of ketogenesis in the perfused rat liver by the sympathetic innervation. Beuers U, et al. **Eur J Biochem** 1986 Jul 1;158(1):19–24

Effect of sympathetic stimulation and intrarenal alpha–blockade on the secretion of renin by the human kidney. de Leeuw PW, et al. **Eur J Clin Invest** 1985 Aug; 15(4):166–70

Comparison of plasma 3,4–dihydroxyphenylethylene glycol (DHPG) and norepinephrine levels as indices of sympathetic activity in man. Howes LG, et al. **Eur J Clin Invest** 1986 Feb;16(1):18–21

Does endogenous dopamine modulate human sympathetic activity through DA2 receptors? Mannelli M, et al. **Eur J Clin Pharmacol** 1985;29(2):159–64

The contributions of noradrenaline and ATP to the responses of the rabbit central ear artery to sympathetic nerve stimulation depend on the parameters of stimulation. Kennedy C, et al. **Eur J Pharmacol** 1986 Apr 2; 122(3):291–300

Atrial natriuretic factor inhibits norepinephrine release evoked by sympathetic nerve stimulation in isolated perfused rat mesenteric arteries. Nakamaru M, et al. **Eur J Pharmacol** 1986 Apr 29;123(3):459–61

Involvement of sympathetic nerves in cardiosuppressive effects of alpha–human atrial natriuretic polypeptide (alpha–hANP) in anesthetized rats. Sasaki A, et al. **Eur J Pharmacol** 1986 Jan 29;120(3):345–9

Effects of 4–aminopyridine on cat blood pressure in relation to the sympathetic nervous system. Yen MH, et al. **Eur J Pharmacol** 1985 Jul 11;113(1):61–7

Ovarian sympathectomy in the golden hamster: effects on estrous cyclicity and follicular development. Curry TE Jr, et al. **Exp Clin Endocrinol** 1985 Dec;86(3):284–90

On steroid noradrenergic system interaction during the hypothalamic differentiation period in the female rat. Vidal MJ, et al. **Exp Clin Endocrinol** 1985 Dec;86(2):165–70

Adrenergic excitatory and cholinergic inhibitory innervations in the human iris dilator. Yoshitomi T, et al. **Exp Eye Res** 1985 Mar;40(3):453–9

Functional plasticity in the sympathetic nervous system of the neonatal rat. Smith PG. **Exp Neurol** 1986 Jan; 91(1):136–46

Neural regulation of renal tubular sodium reabsorption and renin secretion. DiBona GF. **Fed Proc** 1985 Oct; 44(13):2816–22 (25 ref.)

Action of atropine on the pancreatic secretory response to secretin before and after cutting the extrinsic nerves of the pancreas in dogs. Singer MV, et al. **Gastroenterology** 1986 Feb;90(2):355–61

Adrenergic control of insulin release from isolated islet tissue in the rainbow trout, Salmo gairdneri R. Tilzey JF, et al. **Gen Comp Endocrinol** 1985 Sep;59(3):460–7

Effects of sympathetic stimulation on the round window compound action potential in the rat. Lee AH, et al. **Hear Res** 1985;19(2):127–34

Sympathetic influence upon gastric function—implications for peptic ulcer disease. Hanisch E. **Hepatogastroenterology** 1985 Oct;32(5):217–9

Adrenergic innervation of corticotropin releasing factor (CRF)–synthesizing neurons in the hypothalamic paraventricular nucleus of the rat. A combined light and electron microscopic immunocytochemical study. Liposits Z, et al. **Histochemistry** 1986;84(3):201–5

Humoral–hormonal control of functions in expert chess players. Kassil GN, et al. **Hum Physiol** 1985 Jul–Aug; 11(4):285–90

Natural electrical sympathetic activity recorded from the human skin surface. Skok VI, et al. **Hum Physiol** 1984 Nov–Dec;10(6):440–6

Interaction between the parasympathetic and sympathetic divisions of the autonomic nervous system in cardiac rhythm regulation. Zemaityte DJ, et al. **Hum Physiol** 1985 May–Jun;11(3):208–15

Peripheral pressor systems in hypertension caused by nucleus tractus solitarius lesions. Sved AF. **Hypertension** 1986 Sep; 8(9):742–7

Insulin–mediated glucose metabolism in the relationship between dietary intake and sympathetic nervous system activity. Landsberg L, et al. **Int J Obes** 1985;9 Suppl 2:63–8

Evidence that the sympathetic nervous system does not regulate dietary thermogenesis in humans. Welle S. **Int J Obes** 1985;9 Suppl 2:115–21

Sympathoadrenergic regulation. Weicker H. **Int J Sports Med** 1986 Jun;7 Suppl 1:16–26

Adrenergic regulation of adaptation to muscular activity. Yakovlev NN, et al. **Int J Sports Med** 1985 Oct;6(5):255–65 (230 ref.)

Effects of chronic renal denervation in conscious restrained rats. Szalay L, et al. **Int Urol Nephrol** 1986;18(1):3–18

Chemical sympathectomy decreases alveolar hypoxic vasoconstriction in lambs but not in sheep. Custer JR, et al. **J Appl Physiol** 1986 Jan;60(1):32–7

Physiological antagonism caused by adrenergic stimulation of canine tracheal muscle. Leff AR, et al. **J Appl Physiol** 1986 Jan;60(1):216–24

Tonic beta–sympathetic activity in the lung periphery in anesthetized dogs. Weinmann GG, et al. **J Appl Physiol** 1985 Sep;59(3):979–84

Somato–sympathetic response with the extremely high latency in unanesthetized decerebrate frog. Frolenkov GI, et al. **J Auton Nerv Syst** 1986 May;16(1):85–90

Indices of sympathetic vascular innervation in sympathectomized patients. Goldstein DS, et al. **J Auton Nerv Syst** 1986 Apr;15(4):309–18

Sympathoinhibition by A1–noradrenergic neurons is mediated by neurons in the C1 area of the rostral medulla. Granata AR, et al. **J Auton Nerv Syst** 1985 Dec; 14(4):387–95

Plasma norepinephrine concentration reflects pharmacological alteration of sympathetic activity in the conscious cat. Hubbard JW, et al. **J Auton Nerv Syst** 1986 Jan;15(1):93–100

Bilateral carotid occlusion and the sympathetic regulation of insulin secretion. Lee KC, et al. **J Auton Nerv Syst** 1985 Oct;14(2):181–90

Influence of ganglioglomerular nerve on carotid chemoreceptor activity in the cat. Matsumoto S, et al. **J Auton Nerv Syst** 1986 Jan;15(1):7–20

Social insecurity, the type A behavior pattern, and sympathetic arousal. Fontana AF, et al. **J Behav Med** 1986 Feb;9(1):79–88

Neural control of renal function: role of renal alpha adrenoceptors. DiBona GF. **J Cardiovasc Pharmacol** 1985; 7 Suppl 8:S18–23

T wave amplitude as a quantitative index of regional myocardial sympathetic responsiveness. Russell DC, et al. **J Cardiovasc Pharmacol** 1986 May–Jun;8(3):629–35

Pial vascular behavior during bilateral and contralateral cervical sympathetic stimulation. Auer LM, et al. **J Cereb Blood Flow Metab** 1986 Jun;6(3):298–304

Effect of protein on sympathetic nervous system activity in the rat. Evidence for nutrient–specific responses. Kaufman LN, et al. **J Clin Invest** 1986 Feb;77(2):551–8

Interrelationships among thyroxine, growth hormone, and the sympathetic nervous system in the regulation of 5'–iodothyronine deiodinase in rat brown adipose tissue. Silva JE, et al. **J Clin Invest** 1986 Apr;77(4):1214–23

Contributions of arginine vasopressin and the sympathetic nervous system to fulminating hypertension after destruction of neurons of caudal ventrolateral medulla in the rat. Imaizumi T, et al. **J Hypertens** 1985 Oct; 3(5):491–501

Hypertension after brainstem (A1) lesions in normal rats and in rats with adrenalectomy, sympathectomy or diabetes insipidus. Chalmers J, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S37–9

Learned precise cardiovascular control through graded central sympathetic stimulation. Cohn JN, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S77–9

Alterations in plasma noradrenaline in response to reflex modulation of sympathetic vasoconstrictor tone to skeletal muscles. Grassi G, et al. **J Hypertension [Suppl]** 1984 Dec; 2(3):S131–3

Effects of changes in physical activity on blood pressure and sympathetic tone. Jennings GL, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S139–41

Power spectral density of heart rate variability as an index of sympatho–vagal interaction in normal and hypertensive subjects. Pagani M, et al. **J Hypertension [Suppl]** 1984 Dec; 2(3):S383–5

Interactions between the sympathetic nervous system and the kidney: experimental observations. Stella A, et al. **J Hypertension [Suppl]** 1985 Dec;3(4):S19–25

Importance of cardiac pacing in the analysis of vagal and sympathetic contributions to baroreflex control of cardiac performance in the conscious rabbit. West MJ, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S405–7

Sympathetic neural mechanisms in cardiac arrhythmias. Szekeres L, et al. **J Mol Cell Cardiol** 1986 Apr;18(4):369–73

Developmental influences of the sympathetic nervous system on rat parotid gland. Henriksson R, et al. **J Neurol Sci** 1985 Dec;71(2–3):183–91

Failure of sympathetic stimulation to affect responsiveness of rabbit polymodal nociceptors. Shea VK, et al. **J Neurophysiol** 1985 Sep;54(3):513–9

Afterhyperpolarization mechanisms in cat sympathetic preganglionic neuron in vitro. Yoshimura M, et al. **J Neurophysiol** 1986 Jun;55(6):1234–46

Parasympathetic, sympathetic, and sensory interactions in the iris: nerve growth factor regulates cholinergic ciliary ganglion innervation in vivo. Kessler JA. **J Neurosci** 1985 Oct;5(10):2719–25

Adrenergic neurohumoral influences on FFA release from bone marrow adipose tissue. Tran MA, et al. **J Pharmacol** 1985 Apr–Jun;16(2):171–9

Effects of cholinergic blockade, adrenergic blockade and sympathetic denervation on gastrointestinal myoelectric activity in guinea pig. Galligan JJ, et al. **J Pharmacol Exp Ther** 1986 Sep;238(3):1114–25

Central opioid receptors and baroreflex control of sympathetic and cardiovascular function. Gordon FJ. **J Pharmacol Exp Ther** 1986 May;237(2):428–36

Endogenous angiotensin II facilitates sympathetically mediated hemodynamic responses in pithed rats. Kaufman LJ, et al. **J Pharmacol Exp Ther** 1985 Oct;235(1):128–34

Predominance of postsynaptic mechanism in vagal suppression of sympathetic tachycardia in the dog. Kimura T, et al. **J Pharmacol Exp Ther** 1985 Dec;235(3):793–7

Norepinephrine–sensitive, phenoxybenzamine–resistant receptor sites associated with contraction in rabbit arterial but not venous smooth muscle: possible role in adrenergic neurotransmission. Laher I, et al. **J Pharmacol Exp Ther** 1986 May;237(2):364–8

Development of adrenergic and nonadrenergic pressor mechanisms in rats sympathectomized from birth. Mills E, et al. **J Pharmacol Exp Ther** 1986 Sep;238(3):1014–20

Presynaptic regulation of cardiac sympathetic function in guinea pigs. Schmid PG, et al. **J Pharmacol Exp Ther** 1986 Aug;238(2):447–52

Alpha adrenoceptor subtype mediating sympathetic mobilization of blood from the hepatic venous system in anesthetized cats. Segstro R, et al. **J Pharmacol Exp Ther** 1986 Jan;236(1):224–9

Role of the sympathetic nervous system in functional maturation of Müller's smooth muscle in the rat. Smith PG. **J Pharmacol Exp Ther** 1985 Nov;235(2):330–4

Effects of prostaglandin synthesis inhibition on sympathetic–and parasympathetic–mediated coronary hemodynamic responses. Trimarco B, et al. **J Pharmacol Exp Ther** 1986 May;237(2):589–99

Sympathetic modulation of cold–receptive neurones in the trigeminal system of the rat. Davies SN. **J Physiol (Lond)** 1985 Sep;366:315–29

Sympathetic innervation and excitability of arterioles originating from the rat middle cerebral artery. Hill CE, et al. **J Physiol (Lond)** 1986 Feb;371:305–16

Mediation of the fastigial pressor response and a somatosympathetic reflex by ventral medullary neurones in the cat. McAllen RM. **J Physiol (Lond)** 1985 Nov; 368:423–33

Neural respiratory and circulatory interaction during chemoreceptor stimulation and cooling of ventral medulla in cats. Millhorn DE. **J Physiol (Lond)** 1986 Jan;370:217–31

Differential reactions of type A and type B males to negative feedback about performance. Luloff R, et al. **J Psychosom Res** 1986;30(1):35–40

Ovulation after sympathetic denervation of the rat ovary produced by freezing its nerve supply. Wylie SN, et al. **J Reprod Fertil** 1985 Nov;75(2):369–73

Adrenergic and dopaminergic control of the canine paw microcirculation. Endean ED, et al. **J Surg Res** 1986 Jan; 40(1):49–54

The influence of cholinergic and adrenergic blockade on the portal release of substance P in the cat. Grönstad KO, et al. **J Surg Res** 1985 Oct;39(4):316–21

Modulatory effect of electroacupuncture on cardiovascular functions. Li P. **J Tradit Chin Med** 1985 Sep;5(3):211–4

Role of the sympathetic nerve in bladder and urethral sphincter function during the micturition cycle in the dog evaluated by pressure flow EMG study. Nishizawa O, et al. **J Urol** 1985 Dec;134(6):1259–61

Sinus node function after selective elimination of sympathetic

influences on the sinus node area of the dog. Yano K, et al. **Jpn Heart J** 1986 Jan;27(1):71–81

Regional difference in sympathetic vasoconstrictor tone in conscious rats. Iriuchijima J, et al. **Jpn J Physiol** 1985; 35(6):1051–63

Atrial natriuretic peptide, the sympathetic nervous system, and decompensated cirrhosis [letter] **Lancet** 1986 Feb 8; (8476):331

Glucocorticoid suppression of the sympathetic nervous system and adrenal medulla. Brown MR, et al. **Life Sci** 1986 Sep 15;39(11):1003–12

Alternating lateralization of plasma catecholamines and nasal patency in humans. Kennedy B, et al. **Life Sci** 1986 Mar 31;38(13):1203–14

Interaction of xylamine with peripheral sympathetic neurons. Ransom RW, et al. **Life Sci** 1985 Sep 30;37(13):1177–82

Pressor effect of centrally administered neuropeptide Y in rats: role of sympathetic nervous system and vasopressin. Vallejo M, et al. **Life Sci** 1986 May 19;38(20):1859–66

Increased body fat due to elevated energetic efficiency following chronic administration of inhibitors of sympathetic nervous system activity. Dulloo AG, et al. **Metabolism** 1985 Nov;34(11):1061–5

Effect of epinephrine infusion and adrenergic blockade on glucose oxidation in conscious dogs. Wolfe RR, et al. **Metabolism** 1986 Jul;35(7):673–8

Chronic clorgyline treatment enhances release of norepinephrine following sympathetic stimulation in the rat. Finberg JP, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Mar; 332(3):236–42

Electrical stimulation releases 3H-betaxolol from rat atrial slices: possible role of noradrenergic nerves. Petruzzo P, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Mar; 332(3):253–7

Adrenergic stimulation of pepsinogen release from rabbit isolated gastric glands. Skoubo-Kristensen E, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jul; 330(1):37–41

Cardiovascular responses to sympathetic nerve stimulation in morphine-treated rats. Leung CM, et al. **Neuropharmacology** 1986 Jun;25(6):597–602

Axotomy affects calcium-sensitive potassium conductance in sympathetic neurones. Kelly ME, et al. **Neurosci Lett** 1986 Jun 18;67(2):163–8

Renal sympathetic nerve responses to stimulation, inhibition and destruction of the ventrolateral medulla in the rabbit. Pilowsky P, et al. **Neurosci Lett** 1985 Sep 16;60(1):51–5

Neuropeptide Y—a cotransmitter with noradrenaline and adenosine 5'-triphosphate in the sympathetic nerves of the mouse vas deferens? A biochemical, physiological and electropharmacological study. Stjärne L, et al. **Neuroscience** 1986 May;18(1):151–66

Effects of acute saline infusion on the fractional sodium excretion and renal sympathetic nerve activity in the spontaneously hypertensive rat (SHR). Kawamura H, et al. **Nippon Jinzo Gakkai Shi** 1986 Mar;28(3):327–33

A review of the role of sympathetic innervation of the ciliary muscle in ocular accommodation. Gilmartin B. **Ophthalmic Physiol Opt** 1986;6(1):23–37 (122 ref.)

The effect of alpha-adrenergic stimulation and blockade on perfusion of myocutaneous flaps. Moore GK, et al. **Otolaryngol Head Neck Surg** 1986 Apr;94(4):489–96

Responses of newborn pig pial arteries to sympathetic nervous stimulation and exogenous norepinephrine. Busija DW, et al. **Pediatr Res** 1985 Nov;19(11):1210–4

Effect of sympathetic nerve stimulation on cerebral blood flow in newborn piglets. Wagerle LC, et al. **Pediatr Res** 1986 Feb;20(2):131–5

Bombesin and substance P modulate peripheral sympathetic and cardiovascular activity. Bayorh MA, et al. **Peptides** 1985;6 Suppl 1:115–20

Bulbospinal substance P and sympathetic regulation of the cardiovascular system: a review. Helke CJ, et al. **Peptides** 1985;6 Suppl 2:69–74 (61 ref.)

Validation of a simple method of assessing cardiac preejection period: a potential index of sympathetic nervous system activity. Larkin KT, et al. **Percept Mot Skills** 1986 Aug; 63(1):295–302

Baroreflex sympathetic activation increases threshold pressure for the pressure-dependent renin release in conscious dogs. Kirchheim HR, et al. **Pflugers Arch** 1985 Sep;405(2):127–35

Monoamines and their catabolites in the rabbit carotid body. Effects of reserpine, sympathectomy and carotid sinus nerve section. Leitaer LM, et al. **Pflugers Arch** 1986 Jun; 406(6):552–6

Sympathetically-induced development of tension in jaw muscles: the possible contraction of intrafusal muscle fibres. Passatore M, et al. **Pflugers Arch** 1985 Dec;405(4):297–304

Postsynaptic alpha 1- and alpha 2-adrenoceptors mediating the action of the sympathetic system on muscle spindles, in the rabbit. Grassi C, et al. **Pharmacol Res Commun** 1986 Feb;18(2):161–70

Norepinephrine and the antibody response. Sanders VM, et al. **Pharmacol Rev** 1985 Sep;37(3):229–48 (256 ref.)

Sympathetic indices during psychological and physical stimuli before and after training. Cleroux J, et al. **Physiol Behav** 1985 Aug;35(2):271–5

The human dive reflex: an experimental, topographical and physiological analysis. Hurwitz BE, et al. **Physiol Behav** 1986;36(2):287–94

Meal-induced increases in parasympathetic and sympathetic activity elicit simultaneous rises in plasma insulin and free fatty acids. Steffens AB, et al. **Physiol Behav** 1986; 37(1):119–22

Plasma catecholamines associated with hypothalamically-elicited defense behavior. Stoddard SL, et al. **Physiol Behav** 1986;36(5):867–73

Influence of sympathectomy on body weight of rats given chow or supermarket diets. Tordoff MG. **Physiol Behav** 1985 Sep;35(3):455–63

The role of the sympathetic system in producing cardiac disturbances determined by stimulation of the midbrain reticular formation in the cat. Neştianu V, et al. **Physiologie** 1985 Jul–Sep;22(3):191–5

Dopaminergic inhibition of sympathetic activity in the cat. Dóda M, et al. **Pol J Pharmacol Pharm** 1985 May–Jun; 37(3):397–404

The neuroanatomy and physiology related to thermography. Schnitzlein HN. **Postgrad Med** 1986 Mar;Spec No:21–5

Mechanism of tachycardia caused by intracarotid PGE2 in conscious ewes. Breuhaus BA, et al. **Proc Soc Exp Biol Med** 1985 Nov;180(2):353–8

Adrenergic mechanisms in oxygen chemoreception in the cat aortic body. Mulligan E, et al. **Respir Physiol** 1986 Mar; 63(3):375–82

Respiratory responses to chemical activation of left ventricular receptors. Waldrop TG. **Respir Physiol** 1986 Mar;63(3):383–93

Hormonal alterations due to exercise. Bunt JC. **Sports Med** 1986 Sep–Oct;3(5):331–45 (130 ref.)

Acute hypotension during acetate-buffered dialysis in chemically sympathectomized dogs. Daugirdas JT, et al. **Trans Am Soc Artif Intern Organs** 1985;31:517–20

[An analysis of visceral reflex activity induced by electroacupuncture points] Hua XB, et al. **Chen Tzu Yen Chiu** 1985;10(1):49–55 (Eng. Abstr.) **(Chi)**

[Effect of cervical sympathetic stimulation on the carotid sinus reflex in rabbits] Qu L, et al. **Sheng Li Hsueh Pao** 1985 Aug;37(4):337–45 (Eng. Abstr.) **(Chi)**

[The second stimulant pathway in gastric acid secretion—the sympathetic nervous system] She ZW. **Sheng Li Ko Hsueh Chin Chan** 1984 Oct;15(4):325–8 **(Chi)**

[Effect of the central noradrenergic efferent pathway on spinal cord functions] Xie CW. **Sheng Li Ko Hsueh Chin Chan** 1984 Oct;15(4):306–9 **(Chi)**

[Differential inhibition of raubasine and tetrahydroalstonine on the vasopressor response to sympathetic nervous stimulation and intravenous noradrenaline in the pithed rat] Roquebert J, et al. **J Pharmacol** 1985 Oct–Dec;16(4):412–20 (Eng. Abstr.) **(Fre)**

[Effects of noxious and innocuous cutaneous stimulation on adrenal sympathetic efferent nerve activity in rats] Kurosawa M. **Hokkaido Igaku Zasshi** 1985 Jul;60(4):509–27 (Eng. Abstr.) **(Jpn)**

[The responses of autonomic nervous system during bicycle ergometer exercise in healthy young men—special reference to parasympathetic nervous system activity] Suematsu M, et al. **Kokyu To Junkan** 1985 Nov; 33(11):1317–21 **(Jpn)**

[Renal nerve activity during Bezold-Jarisch reflex in cats] Hashimoto H, et al. **Nippon Jinzo Gakkai Shi** 1985 Jun; 27(6):757–63 (Eng. Abstr.) **(Jpn)**

[Clinical study concerning the maintenance of blood pressure during hemodialysis—the effect of humoral factors and cardiac performance] Imamura Y, et al. **Nippon Jinzo Gakkai Shi** 1986 Apr;28(4):439–45 (Eng. Abstr.) **(Jpn)**

[The role of the sympathetic nervous system and adrenals in hemodynamic changes after intracerebroventricular administration of 5-hydroxytryptamine in rats] Kuniyoshi K, et al. **Nippon Naibunpi Gakkai Zasshi** 1986 Mar 20; 62(3):188–96 (Eng. Abstr.) **(Jpn)**

[Effects of intracerebroventricular (I.C.V.) administration of 5-hydroxytryptamine (5-HT) on hemodynamics in conscious spontaneously hypertensive rats (SHR): relation to sympathetic nervous system] Kurumatani H, et al. **Nippon Naibunpi Gakkai Zasshi** 1985 Jul 20;61(7):775–83 (Eng. Abstr.) **(Jpn)**

[Role of the nervous system in the processes of immunoregulation] Vainiene M, et al. **Neurol Neurochir Pol** 1985 Sep–Oct;19(5):432–7 (30 ref.) **(Pol)**

[Effect of elevated systemic arterial pressure on neurogenic vasoconstriction in the microcirculatory bed of rat skeletal muscles] Timkina MI, et al. **Biull Eksp Biol Med** 1985 Sep; 100(9):259–61 (Eng. Abstr.) **(Rus)**

[Indices of humoral-hormonal regulation of ft tions in highly skilled chess-players] Kassil' GN, et al. **Fiziol Cheloveka** 1985 Jul–Aug;11(4):645–51 **(Rus)**

[Individual-typologic features of the functioning of the sympatho-adrenal system as a prognostic index of the functional state of the body in complex environmental conditions] Nelzhmakova NA, et al. **Fiziol Cheloveka** 1985 Nov–Dec;11(6):903–10 **(Rus)**

[Electrolyte and sympathoadrenal system balance in children and adolescents 7–16 years old] Tupitsyn IO, et al. **Fiziol Cheloveka** 1985 May–Jun;11(3):480–5 **(Rus)**

[Interaction of the parasympathetic and sympathetic sections of the autonomic nervous system in regulating cardiac rhythm] Zhemaltite DI, et al. **Fiziol Cheloveka** 1985 May–Jun;11(3):448–56 **(Rus)**

[Changes in sinus rhythm after vagal and total extracardiac denervation of the heart] Bratus' TN, et al. **Fiziol Zh SSSR** 1986 Feb;72(2):256–8 **(Rus)**

[Analysis of the effect of volley stimulation of the vago-sympathetic trunk on establishment of the heart rate] Pokrovskii VM, et al. **Fiziol Zh SSSR** 1986 Feb;72(2):183–8 (Eng. Abstr.) **(Rus)**

[Circulation, oxygen and acid-base balance in the extremities in response to stimulation of the sympathetic trunk] Prokhorov GG. **Fiziol Zh SSSR** 1986 Feb;72(2):224–30 (Eng. Abstr.) **(Rus)**

[Properties of individual waves of the somato-sympathetic reflex] Rozanov NN. **Fiziol Zh SSSR** 1985 Oct; 71(10):1192–9 (Eng. Abstr.) **(Rus)**

[Neurogenic changes in filtration-absorptive ratios in skeletal muscle vessels] Savel'ev AK, et al. **Fiziol Zh SSSR** 1985 Oct;71(10):1238–44 (Eng. Abstr.) **(Rus)**

[Neurochemical mechanisms of artifical hypobiosis and chemical thermoregulation] Timofeev NN, et al. **Fiziol Zh SSSR** 1985 Sep;71(9):1145–50 (Eng. Abstr.) **(Rus)**

[Features of sympathetic and parasympathetic mechanisms regulating the heart of the rat during adaptation and deadaptation to physical effort] Toloknov AV, et al. **Fiziol Zh SSSR** 1985 Dec;71(12):1630–4 **(Rus)**

[Changes in adrenergic inhibition of the secretion of parietal cells of gastric glands after resection and section of the proximal portion of the small intestine] Trefilov AB. **Fiziol Zh SSSR** 1985 Dec;71(12):1597–601 (Eng. Abstr.) **(Rus)**

[Mechanism of sympathetic modulation of the activity of cutaneous receptors (with Adelta-fibers)] Zeveke AV, et al. **Neirofiziologiia** 1985;17(4):517–21 (Eng. Abstr.) **(Rus)**

[Brain enzyme activity in irradiated sympathectomized rats] Pikulev AT, et al. **Radiobiologiia** 1985 Nov–Dec; 25(6):804–5 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Nervous system control mechanisms in heart failure. Cohn JN. **Acta Med Scand [Suppl]** 1986;707:15–20

Activity of peripheral sympathetic efferent nerves in experimental subarachnoid haemorrhage. Part II: Observations during the "early vasospasm" period.Fedina L, et al. **Acta Neurochir (Wien)** 1986;80(1–2):42–6

Activity of peripheral sympathetic efferent nerves in experimental subarachnoid haemorrhage. Part I: Observations at the time of intracranial hypertension. Pásztor E, et al. **Acta Neurochir (Wien)** 1986;79(2–4):125–31

Role of noradrenergic ascending system in extinction of epileptic phenomena. Chauvel P, et al. **Adv Neurol** 1986; 44:475–87 (119 ref.)

Sympathetic tone in congestive heart failure [letter] Hasking GJ, et al. **Am J Cardiol** 1985 Nov 15;56(13):912

Effect of sympathetic tone on ventricular arrhythmias during circumflex coronary occlusion. Euler DE, et al. **Am J Physiol** 1985 Nov;249(5 Pt 2):H1045–50

Thermogenesis and sympathetic activity in BAT of overfed rats after adrenalectomy. Marchington D, et al. **Am J Physiol** 1986 Apr;250(4 Pt 1):E362–6

Cardiac sympathetic nerve activity and heart rate during coronary occlusion in awake cats. Ninomiya I, et al. **Am J Physiol** 1986 Sep;251(3 Pt 2):H528–37

Lack of sympathetic vasoconstriction in hyposemic humans at rest. Rowell LB, et al. **Am J Physiol** 1986 Sep;251(3 Pt 2):H562–70

Medullospinal sympathoexcitatory neurons in normotensive and spontaneously hypertensive rats. Sun MK, et al. **Am J Physiol** 1986 May;250(5 Pt 2):R910–7

Sympathetic nervous system and blood pressure maintenance in the Brattleboro DI rat. Williams JL Jr, et al. **Am J Physiol** 1986 May;250(5 Pt 2):R770–5

Status epilepticus: divergence of sympathetic activity and cardiovascular response. Benowitz NL, et al. **Ann Neurol** 1986 Feb;19(2):197–9

Somatosympathetic reflex unilateral sweating and pupillary dilatation in a paraplegic man. Saper CB, et al. **Ann Neurol** 1986 Apr;19(4):389–90

Alterations in isoprenaline sensitivity in patients with cirrhosis: evidence of abnormality of the sympathetic nervous activity. Ramond MJ, et al. **Br J Clin Pharmacol** 1986 Feb;21(2):191–6

Mechanisms of causalgia and related clinical conditions. The role of the central and of the sympathetic nervous systems. Schott GD. **Brain** 1986 Aug;109 (Pt 4):717–38

Sympathetic activity in man after spinal cord injury. Outflow to muscle below the lesion. Stjernberg L, et al. **Brain** 1986 Aug;109 (Pt 4):695–715

Hindlimb vascular responses to sympathetic augmentation during acute anemia. Cain SM, et al. **Can J Physiol Pharmacol** 1985 Jul;63(7):782–6

Evidence for increased hepatic sympathetic nerve activity resulting in hyperglycemia in response to hemorrhage-induced reflex stimulation in anesthetized dogs. Yamaguchi N. **Can J Physiol Pharmacol** 1985 Sep; 63(9):1209–13

Sympathetic influences in myocardial ischemia: possible mechanisms of arrhythmogenesis. Martins JB. **Cardiol Clin** 1983 Feb;1(1):51–61 (83 ref.)

Muscle nerve sympathetic activity in migraine. Lack of abnormality. Fagius J. **Cephalalgia** 1985 Dec;5(4):197–203

Direct evidence from intraneural recordings for increased central sympathetic outflow in patients with heart failure. Leimbach WN Jr, et al. **Circulation** 1986 May;73(5):913–9

Normal sympathetic neural activity in patients with mitral valve prolapse. Lenders JW, et al. **Clin Cardiol** 1986 May; 9(5):177–82

The mechanism of hypertension and bradycardia following lesions of the caudal ventrolateral medulla in the rabbit: the role of sympathetic nerves, circulating adrenaline, vasopressin and renin. Elliott JM, et al. **Clin Exp Hypertens [A]** 1985;7(8):1059–82

Role of renin–angiotensin and sympathetic nervous systems in the chronic phase of two-kidney, one-clip hypertension in rats. Salazar FJ, et al. **Clin Exp Hypertens [A]** 1985–86; 7(12):1733–49

Sympathetic defects in diabetic autonomic neuropathy. Watkins PJ. **Clin Physiol** 1985;5 Suppl 5:59–60

Sympathetic nervous system and dysfunction of the lower urinary tract. George NJ, et al. **Clin Sci** 1986;70 Suppl 14:69s–76s

Autonomic failure and the role of the sympathetic nervous system in the control of lower urinary tract function. Kirby RS. **Clin Sci** 1986;70 Suppl 14:45s–50s

Relationship of the sympathetic nervous system to lower motor neurone lesions and the bladder. Nørdling J. **Clin Sci** 1986;70 Suppl 14:51s–55s (10 ref.)

Influence of the parasympathetic and sympathetic nervous system on nocturnal bronchial obstruction. Postma DS, et al. **Clin Sci** 1985 Sep;69(3):251–8

Relationship of the sympathetic nervous system to upper motor neurone lesions and the bladder. Thomas DG. **Clin Sci** 1986;70 Suppl 14:57s–58s

Discrimination between cardiac para- and sympathetic damage in diabetics. Oikawa N, et al. **Diabetes Res Clin Pract** 1985 Dec;1(4):203–9

Acute myocardial ischaemia, neural reflexes and ventricular arrhythmias. Lombardi F. **Eur Heart J** 1986 May;7 Suppl A:91–7

Sympathetic nervous system and glioma growth. Kinnard RL, et al. **Eur J Cancer Clin Oncol** 1986 Apr;22(4):501–3

Renal nerves and hypertension: an update. Katholi RE. **Fed Proc** 1985 Oct;44(13):2846–50 (40 ref.)

Renal responses to stressful environmental stimuli. Koepke JP. **Fed Proc** 1985 Oct;44(13):2823–7 (19 ref.)

Age-related alterations in sympathetic–adrenal medullary responses to stress. McCarty R. **Gerontology** 1986; 32(3):172–83

Bilateral sympathetic dysfunction in post-traumatic headaches. Khurana RK, et al. **Headache** 1986 Apr; 26(4):183–8

Failure of plasma norepinephrine to consistently reflect sympathetic activity in humans. Floras J, et al. **Hypertension** 1986 Aug;8(8):641–9

Baroreflex control of renal sympathetic nerve activity in hypertensive miniature swine. Notvest RR, et al. **Hypertension** 1985 Nov–Dec;7(6 Pt 1):879–85

Dissociation of the responses of the renin–angiotensin system and sympathetic nervous system to a vasodilator stimulus in congestive heart failure. Levine TB, et al. **Int J Cardiol** 1986 Aug;12(2):165–73

Function of the autonomic nervous system in young, untreated hypertensive patients. Schlitz W, et al. **Int J Cardiol** 1986 Feb;10(2):133–40

The sympathetic nervous system in human obesity. Katzeff HL, et al. **Int J Obes** 1985;9 Suppl 2:131–7

Physical activity and coronary heart disease: sympathetic drive and adrenaline-induced platelet aggregation. Lehmann M, et al. **Int J Sports Med** 1986 Jun;7 Suppl 1:34–7

Contribution of vasopressin to vasoconstriction in patients with congestive heart failure: comparison with the renin–angiotensin system and the sympathetic nervous system. Creager MA, et al. **J Am Coll Cardiol** 1986 Apr; 7(4):758–65

Acute and chronic sympathetic reflex activation and antihypertensive response to nifedipine. Kiowski W, et al. **J Am Coll Cardiol** 1986 Feb;7(2):344–8

DOCA–salt induced myocardial sensitization to ventricular fibrillation by isoprenaline in rats. Role of the autonomic nervous system. Healy C, et al. **J Auton Pharmacol** 1985 Dec;5(4):271–8

Use of alpha 2 adrenoreceptor agonists and antagonists in the functional assessment of the sympathetic nervous system. Robertson D, et al. **J Clin Invest** 1986 Aug; 78(2):576–81

Sympathetic nervous activity in cirrhosis. A survey of plasma catecholamine studies. Henriksen JH, et al. **J Hepatol** 1985; 1(1):55–65 (73 ref.)

Total and renal sympathetic nervous system activity in alcoholic cirrhosis. Willett I, et al. **J Hepatol** 1985; 1(6):639–48

Increased sympatho-adrenal tone and adrenal medulla reactivity in DOCA–salt hypertensive rats. Bouvier M, et al. **J Hypertens** 1986 Apr;4(2):157–63

Relative importance of sympathetic nerves and of circulating adrenaline and vasopressin in mediating hypertension after lesions of the caudal ventrolateral medulla in the rat. Minson J, et al. **J Hypertens** 1986 Jun;4(3):273–81

Stress levels of adrenaline amplify the blood pressure response to sympathetic stimulation. Vincent HH, et al. **J Hypertens** 1986 Apr;4(2):255–60

Symposium on the sympathetic nervous system in the pathogenesis, complications and treatment of hypertension. Satellite symposium of the Second European Meeting on Hypertension. 13 June 1985, Milan, Italy. **J Hypertension [Suppl]** 1985 Dec;3(4):S1–105

Estimation of 'total' renal, cardiac and splanchnic sympathetic nervous tone in essential hypertension from measurements of noradrenaline release. Esler MD, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S123–5

Suppression of the sympathetic nerve activity after surgical reversal of two-kidney, one clip hypertension in rats. Göthberg G, et al. **J Hypertension [Suppl]** 1984 Dec; 2(3):S355–7

Stress, autonomic hyperactivity and essential hypertension: an enigma. Julius S, et al. **J Hypertension [Suppl]** 1985 Dec; 3(4):S11–7

Interaction between mental stress and baroreceptor control of heart rate and sympathetic activity in conscious spontaneously hypertensive (SHR) and normotensive (WKY) rats. Lundin S, et al. **J Hypertension [Suppl]** 1983 Dec;1(2):68–70

Adrenergic activity and myocardial anatomy and function in essential hypertension. Muiesan G, et al. **J Hypertension [Suppl]** 1985 Dec;3(4):S45–50 (52 ref.)

The influence of sympathetic nervous activity on regression of cardiac hypertrophy. Strauer BE, et al. **J Hypertension [Suppl]** 1985 Dec;3(4):S39–44

Sympathetic factors in the cardiovascular complications of hypertension: evidence in genetic models for hypertension, stroke and atherosclerosis. Yamori Y, et al. **J Hypertension [Suppl]** 1985 Dec;3(4):S35–8

Possible role of the sympathetic nervous system in the pathogenesis of hypertension. Zanchetti A. **J Hypertension [Suppl]** 1985 Dec;3(4):S57–9

Plasma catecholamines in Down's syndrome, at rest and during sympathetic stimulation. Udeschini G, et al. **J Neurol Neurosurg Psychiatry** 1985 Oct;48(10):1060–1

Effect of ginseng-20S-prosapogenin on tissue blood flow measured by the hydrogen clearance method in sympathicotonic- or parasympathicotonic-type stressed mice. Hata T, et al. **J Pharmacobiodyn** 1985 Dec; 8(12):1068–72

Pineal function in burns: melatonin is not a marker for general sympathetic activity. Vaughan GM, et al. **J Pineal Res** 1985;2(1):1–12

Psychological predictors of neuroendocrine responses to mental stress. Arnetz BB, et al. **J Psychosom Res** 1986; 30(3):297–305

The influence of renal sympathetic nerves on renal hemodynamic and renin responses during hypercapnia in dogs. Fujii H, et al. **Jpn Circ J** 1985 Nov;49(11):1185–9

Renal denervation inhibits hypothalamo-sympathetic nerve system in normotensive and hypertensive rats. Takeda K, et al. **Jpn Circ J** 1985 Sep;49(9):997–1004

Effects of hypercapnia on renal nerve activity. Shirahata M, et al. **Jpn J Physiol** 1985;35(3):391–9

Adrenergic urticaria: a new form of stress-induced hives. Shelley WB, et al. **Lancet** 1985 Nov 9;2(8463):1031–3

Exercise tolerance and compensatory sympathetic tone during beta-blockade after myocardial infarction. Brice G, et al. **Med Sci Sports Exerc** 1986 Aug;18(4):396–401

Assessment of methods to estimate impairment of vagal and sympathetic innervation of the heart in diabetic autonomic neuropathy. Wieling W, et al. **Neth J Med** 1985; 28(10):383–92

Effects of clonidine on blood pressure, noradrenaline, cortisol, growth hormone, and prolactin plasma levels in high and low intestinal tone depressed patients. Lechin F, et al. **Neuroendocrinology** 1985 Aug;41(2):156–62

Sympathoadrenal and cardiovascular responses to mental stress in pregnancy-induced hypertension. Nisell H, et al. **Obstet Gynecol** 1986 Oct;68(4):531–6

Detrusor inhibition in suprasacral spinal cord injuries: is it due to sympathetic overactivity? Mathe JF, et al. **Paraplegia** 1985 Aug;23(4):201–6

Enhanced depressor effect of muscimol in the DOCA/NaCl hypertensive rat: evidence for altered GABAergic activity in brain. Nagahama S, et al. **Proc Soc Exp Biol Med** 1985 Nov;180(2):277–83

Spontaneous hypertension is primarily the result of sympathetic overactivity and immunologic dysfunction. Norman RA Jr, et al. **Proc Soc Exp Biol Med** 1986 Sep; 182(4):448–53

Central and peripheral cholinesterase inhibition: effects on anterior pituitary and sympathomimetic function. Risch SC, et al. **Psychoneuroendocrinology** 1986;11(2):221–30

The sympathochromaffin system and the pituitary–adrenocortical response to hypoglycemia [letter] **Science** 1986 Jan 31;231(4737):501–2

Sympathetic activation of A-delta nociceptors. Roberts WJ, et al. **Somatosens Res** 1985;3(1):33–44

Quantitative evaluation of diabetic autonomic neuropathy by using heart rate variations: relationship between cardiac parasympathetic or sympathetic damage and clinical conditions. Oikawa N, et al. **Tohoku J Exp Med** 1986 Feb; 148(2):125–33

The sympatho-adrenal system and plasma levels of adrenocorticotropic hormone, cortisol and catecholamines in equine grass sickness. Hodson NP, et al. **Vet Rec** 1986 Feb 8;119(6):148–50

[Effect of calcium inhibitors on sympathetic activity] de Leeuw PW, et al. **Arch Mal Coeur** 1985 Nov;78 Spec No:51–4 (Eng. Abstr.) (Fre)

[Role of the sympathetic nervous system in arterial hypertension] de Champlain J, et al. **Union Med Can** 1985 Dec;114(12):977–81, 986 (25 ref.) (Eng. Abstr.) (Fre)

[Postnatal development of the sympathoadrenergic system in premature and newborn infants] Thies WR, et al. **Monatsschr Kinderheilkd** 1986 Jul;134(7):453–8 (Eng. Abstr.) (Ger)

[Effects of cardiac sympathetic nerve stimulation on ischemic canine heart during GOF and GO morphine anesthesias] Kohyama A. **Masui** 1985 Dec;34(12):1695–700 (Eng. Abstr.) (Jpn)

[Possible role of thyrotropin-releasing hormone in the pathogenesis of "hot flushes" in the climacteric syndrome] Il'ina EM, et al. **Akush Ginekol (Mosk)** 1986 May;(5):32–5 (Eng. Abstr.) (Rus)

[Pathogenesis and correction of disorders of the sympathetic-adrenal and immune systems in abortion] Mikhailenko ET, et al. **Akush Ginekol (Mosk)** 1985 Aug; (8):44–6 (Eng. Abstr.) (Rus)

[Activity of the sympathetic-adrenal system in monkeys under acute and chronic emotional stress] Bol'shakova TD, et al. **Izv Akad Nauk SSSR [Biol]** 1985 Nov–Dec;(6):822–31 (Eng. Abstr.) (Rus)

[Sympathetic reaction against a background of complicating factors in the post-traumatic period] Cerikchi LE. **Oftalmol Zh** 1986;(1):38–41 (Eng. Abstr.) (Rus)

[Prediction of the action of fasting diet therapy by studying sympathetic-adrenal activity of patients with neuroses] Vasil'ev VN, et al. **Patol Fiziol Eksp Ter** 1985 Jul–Aug; (4):32–6 (Eng. Abstr.) (Rus)

[Approaches to the diagnosis or the vegetovascular dystonia syndrome in children] Belokon' NA, et al. **Pediatriia** 1986 Jan;(1):37–41 (Rus)

[Function of the sympathetic-adrenal system in patients with complicated peptic ulcer] Zaltsev VT, et al. **Vestn Khir** 1986 Feb;136(2):28–31 (Eng. Abstr.) (Rus)

[The state of vegetative regulation in patients with diabetes mellitus (variation pulsometry data)] Semenova OV. **Vrach Delo** 1985 Sep;(9):89–91 (Eng. Abstr.) (Rus)

[Daily rhythm of the sympatho-adrenal system in cerebral atherosclerosis] Tsarev AIu. **Vrach Delo** 1985 Nov; (11):97–9 (Eng. Abstr.) (Rus)

[Vegetative and trophic disorders and functional status of the sympatho-adrenal system in Rossolimo-Curschmann-Batten-Steinert myotonic dystrophy] Dzhabarov BD. **Zh Nevropatol Psikhiatr** 1986; 86(3):333–5 (Eng. Abstr.) (Rus)

[Evaluation of sympathetic tone in essential hypertension by the clonidine suppression test] Zaldivar HM, et al. **Arch Inst Cardiol Mex** 1986 May–Jun;56(3):211–7 (Eng. Abstr.) (Spa)

[Evidence of sympathetic involvement with normal parasympathetic innervation in diabetes mellitus] Calle Pascual AL, et al. **Med Clin (Barc)** 1985 Dec 7; 85(19):789–91 (Eng. Abstr.) (Spa)

[Pseudo-obstruction of the colon after cesarean section (Ogilvie's syndrome)] Bannura Cumsille G. **Rev Chil Obstet Ginecol** 1985;50(1):21–5 (Eng. Abstr.) (Spa)

SECRETION

Potentiation of sympathetic neurosecretion by forskolin and cyclic AMP in the rabbit iris–ciliary body. Jumblatt JE, et al. **Curr Eye Res** 1986 Jul;5(7):495–502

Changes of sympathetic activity during tooth extraction. Papadimitriou P, et al. **Int J Oral Maxillofac Surg** 1986 Apr;15(2):148–51

The role of sensory fibres in the rat splanchnic nerve in the regulation of adrenal medullary secretion during stress. Khalil Z, et al. **J Physiol (Lond)** 1986 Jan;370:201–15

ULTRASTRUCTURE

Diabetic autonomic neuropathy. The distribution of structural changes in sympathetic nerves of the BB rat. Yagihashi S, et al. **Am J Pathol** 1985 Oct;121(1):138–47

Biochemical and immunological analyses of cytoskeletal domains of neurons. Peng I, et al. **J Cell Biol** 1986 Jan; 102(1):252–62

[Ultrastructural changes in the autonomic interneuronal synapse during activation in the presence of acetylcholinesterase suppression] Sotnikov OS, et al. **Arkh Anat Gistol Embriol** 1986 May;90(5):21–7 (Eng. Abstr.) (Rus)

SYMPATHETIC TRANSMITTER RELEASERS see **SYMPATHOMIMETICS**

SYMPATHINS see **CATECHOLAMINES**

SYMPATHOLYTICS

Evidence for a central sympathoinhibitory action of prazosin and indoramin. Ramage AG. **Eur J Pharmacol** 1986 Feb 11;121(1):83–9

[Sympathetic block after plexus anesthesia. Comparison with stellate ganglion block] Zenz M, et al. **Reg Anasth** 1986 Jul;9(3):84–7 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

Biobehavioral sequellae associated with adrenergic-inhibiting antihypertensive agents: a critical review. Rosen RC, et

al. **Health Psychol** 1985;4(6):579–604 (110 ref.)

[Drug-induced dry mouth] Daelemans M, et al. **Rev Med Brux** 1985 Oct;6(8):575–7 (Eng. Abstr.) **(Fre)**

CHEMICAL SYNTHESIS

[Benzoxazolinone phenylethanolamine antagonists of adrenergic receptors. A chemical and pharmacodynamic study] Vaccher MP, et al. **Farmaco [Sci]** 1986 Apr; 41(4):257–69 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Mechanisms underlying changes in the contents of neuropeptide Y in cardiovascular nerves and adrenal gland induced by sympatholytic drugs. Lundberg JM, et al. **Acta Physiol Scand** 1985 Aug;124(4):603–11

Adrenergic effects on plasma lipoprotein metabolism. Speculation on mechanisms of action. Sacks FM, et al. **Am J Med** 1986 Feb 14;80(2A):71–81 (83 ref.)

Adrenergic factors regulating cell division in the colonic crypt epithelium during carcinogenesis and in colonic adenoma and adenocarcinoma. Kennedy MF, et al. **Br J Cancer** 1985 Sep;52(3):383–90

The effects of adrenoceptor agonists and antagonists on plasma potassium concentration in anaesthetized guinea-pigs, rabbits and rats. Coats RA. **Br J Pharmacol** 1985 Dec;86(4):827–36

Feeding behavior elicited by electrical stimulation of the lateral hypothalamic area in the rat: role of the adrenergic pathways and receptors. Homrich JG, et al. **Braz J Med Biol Res** 1985;18(1):15–27

Adrenergic mechanisms of barbital dependence in mice. Germany A, et al. **Cell Mol Biol** 1985;31(5):369–71

Hydrostatic pressure and adrenergic drugs (agonists and antagonists): effects and interactions in fish. Sebert P, et al. **Comp Biochem Physiol [C]** 1985;82(1):207–12

Time change of rabbit aqueous flow under influence of adrenergic drugs. Araie M. **Exp Eye Res** 1985 Sep; 41(3):391–403

Influence of adrenoreceptor agonists and antagonists on ovulation in the rabbit ovary perfused in vitro. Schmidt G, et al. **J Auton Pharmacol** 1985 Sep;5(3):241–50

Increased body fat due to elevated energetic efficiency following chronic administration of inhibitors of sympathetic nervous system activity. Dulloo AG, et al. **Metabolism** 1985 Nov;34(11):1061–5

Changes in body temperature after administration of adrenergic and serotonergic agents and related drugs including antidepressants: II. Clark WG, et al. **Neurosci Biobehav Rev** 1986 Summer;10(2):153–220 (794 ref.)

Inhibition of platelet aggregation in whole blood by adrenoceptor antagonists. Greer IA, et al. **Thromb Res** 1985 Dec 1;40(5):631–43

Effects of the autonomic antagonists on canine urethral responses to autonomic nerve stimulation. Nishizawa O, et al. **Urol Int** 1985;40(6):314–9

[Neurochemical mechanisms of artifical hypobiosis and chemical thermoregulation] Timofeev NN, et al. **Fiziol Zh SSSR** 1985 Sep;71(9):1145–50 (Eng. Abstr.) **(Rus)**

[Effect of spasmo-analgesics on uterine activity in induced labor] Malenick B. **Jugosl Ginekol Perinatol** 1985 May-Aug;25(3–4):75–9 (Eng. Abstr.) **(Ser)**

THERAPEUTIC USE

Role of drugs modifying sympathetic nervous system activity in the treatment of hypertension. Peart S. **J Hypertension [Suppl]** 1985 Dec;3(4):S51–5

Metastatic pheochromocytoma in pregnancy and fetal biophysical assessment after maternal administration of alpha-adrenergic, beta-adrenergic, and dopamine antagonists. Devoe LD, et al. **Obstet Gynecol** 1986 Sep;68(3 Suppl):15S–18S

[Catecholamine agonists, antagonists, receptors: neurological therapeutic applications] Lehert M. **Rev Med Brux** 1985 Dec;6(10):685–9 (Eng. Abstr.) **(Fre)**

[Drug therapy of glaucoma with adrenergic and anti-adrenergic agents] Kern R. **Klin Monatsbl Augenheilkd** 1985 Jun;186(6):442–6 (Eng. Abstr.) **(Ger)**

TOXICITY

Circulatory changes during high thoracic epidural anaesthesia—influence of sympathetic block and of systemic effect of the local anaesthetic. Wattwil M, et al. **Acta Anaesthesiol Scand** 1985 Nov;29(8):849–55

SYMPATHOMIMETICS

A preliminary report on the denervation hypersensitivity of the pupil. Ring K, et al. **Acta Ophthalmol [Suppl] (Copenh)** 1985;173:54–6

Pharmacological studies on the intrinsic sympathomimetic activity of the beta-adrenoceptor antagonist mepindolol. Beckmann R, et al. **Arzneimittelforschung** 1986 May; 36(5):811–3

[Sydnocarb as the method of choice in persistent enuresis? Findings after 2 years of administration] Simlová M, et al. **Cesk Psychiatr** 1985 Oct;81(5):312–3 (Eng. Abstr.) **(Cze)**

ADMINISTRATION & DOSAGE

[Effect of the phospholipid composition of liposomes on the rate of release of adrenomimetics contained in them] Sazonova LIa, et al. **Fiziol Zh** 1985 May-Jun;32(3):322–7 (Eng. Abstr.) **(Rus)**

ANALYSIS

Spectrophotometric determination of certain sympathomimetic amines. Salem FB, et al. **Analyst** 1985 Sep;110(9):1125–9

ANTAGONISTS & INHIBITORS

Modification of behavioral response to intra-hippocampal injections of noradrenaline and adrenoceptor agonists by chronic treatment with desipramine and citalopram: functional aspects of adaptive receptor changes. Plaźnik A, et al. **Eur J Pharmacol** 1985 Nov 5;117(2):245–52

CHEMICAL SYNTHESIS

Conformationally defined adrenergic agents. 3. Modifications to the carbocyclic ring of 5,6-dihydroxy-1-(2-imidazolinyl)tetralin: improved separation of alpha 1 and alpha 2 adrenergic activities. DeBernardis JF, et al. **J Med Chem** 1986 Aug;29(8):1413–7

PHARMACODYNAMICS

Modulation of synchrony of left ventricular contraction by regional adrenergic stimulation in conscious dogs. Gwirtz PA, et al. **Am J Physiol** 1986 Sep;251(3 Pt 2):H490–5

Potassium secretion by rabbit descending colon: effects of adrenergic stimuli. Smith PL, et al. **Am J Physiol** 1986 Apr;250(4 Pt 1):G432–9

Beta-adrenergic modulation of insulin binding in skeletal muscle. Webster B, et al. **Am J Physiol** 1986 Feb;250(2 Pt 1):E198–204

Adrenergic agents stimulate and cholinergic agents inhibit H+ secretion by amphibian jejunum. White JF, et al. **Am J Physiol** 1986 Sep;251(3 Pt 1):G405–12

Enhanced adrenergic constriction of iliac artery with removal of endothelium in conscious dogs. Young MA, et al. **Am J Physiol** 1986 May;250(5 Pt 2):H892–7

cAMP- and beta-adrenergic-stimulated chloride-dependent Ca2+ secretion in frog skin. Ziyadeh FN, et al. **Am J Physiol** 1985 Nov;249(5 Pt 2):F713–22

The effect of sympathomimetic drugs on bone capillaries. Döhler JR, et al. **Arch Orthop Trauma Surg** 1986; 105(1):62–5

Pharmacodynamic specification and membrane stabilising action of a homologous series of silasympathomimetics. Tawfik H, et al. **Arzneimittelforschung** 1986 Jun;36(6):916–8

Regulation of cerebrovascular gamma-glutamyltranspeptidase by adrenergic and cholinergic agonists. Grammas P, et al. **Biochem Pharmacol** 1985 Dec 1;34(23):4177–9

Effects of adrenergic drugs on the electrical activity of pigeon oesophagus. Mulè F, et al. **Boll Soc Ital Biol Sper** 1985 Sep 30;61(9):1365–70

Adrenergic factors regulating cell division in the colonic crypt epithelium during carcinogenesis and in colonic adenoma and adenocarcinoma. Kennedy MF, et al. **Br J Cancer** 1985 Sep;52(3):383–90

Intrinsic sympathomimetic activity of cardioselective beta-adrenoceptor blockers and effects on renal function. Mackay IG, et al. **Br J Clin Pharmacol** 1985 Sep; 20(3):197–203

The effects of adrenoceptor agonists and antagonists on plasma potassium concentration in anaesthetized guinea-pigs, rabbits and rats. Coats RA. **Br J Pharmacol** 1985 Dec;86(4):827–36

Adrenergic-cholinergic interactions in left atria: interaction of carbachol with alpha- and beta-adrenoceptor agonists. MacLeod KM. **Can J Physiol Pharmacol** 1986 May; 64(5):597–601

Hydrostatic pressure and adrenergic drugs (agonists and antagonists): effects and interactions in fish. Sebert P, et al. **Comp Biochem Physiol [C]** 1985;82(1):207–12

Sympathomimetic protein secretion by young and aged lacrimal gland. Bromberg BB, et al. **Curr Eye Res** 1986 Mar;5(3):217–23

Modulation of glucose transport in hamster adipocytes by insulin and by beta- and alpha 2-adrenoceptor agonists. Joost HG, et al. **Diabetologia** 1986 Jun;29(6):371–7

Episodic patterns of luteinizing hormone and follicle-stimulating hormone release: differential secretory dynamics and adrenergic control in ovariectomized rats. Condon TP, et al. **Endocrinology** 1986 Jun;118(6):2525–33

Thermogenic responses to adrenoceptor agonists and brown fat adrenoceptors in overfed rats. Rothwell NJ, et al. **Eur J Pharmacol** 1986 Jun 24;125(3):313–23

Time change of rabbit aqueous flow under influence of adrenergic drugs. Araie M. **Exp Eye Res** 1985 Sep; 41(3):391–403

Potassium and glucose concentrations in patients treated with oral tocolytic agents: a preliminary report. Rivera-Alsina ME, et al. **Int J Gynaecol Obstet** 1984 Aug;22(4):287–9

Influence of adrenoreceptor agonists and antagonists on ovulation in the rabbit ovary perfused in vitro. Schmidt G, et al. **J Auton Pharmacol** 1985 Sep;5(3):241–50

Differential changes in lymphocyte beta 2-adrenoceptor density by beta-blocker administration: role of intrinsic sympathomimetic activity. Daul A, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 4:S93–6

Effects of adrenergic antihypertensive drugs on sterol synthesis in freshly isolated human mononuclear leukocytes. Krone W, et al. **J Cardiovasc Pharmacol** 1985 Nov-Dec;7(6):1134–7

Microneurography: a technique for assessing central neural effects of adrenergic drugs on sympathetic outflow in humans. Mark AL, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 8:S67–9

Adrenergic regulation of ion transport by primary cultures of canine tracheal epithelium: cellular electrophysiology. Welsh MJ. **J Membr Biol** 1986;91(2):121–8

The effect of adrenergic agents on the activities of glycerol 3-phosphate acyltransferase and triglyceride lipase in the isolated perfused rat heart. Heathers GP, et al. **J Mol Cell Cardiol** 1985 Aug;17(8):785–96

Sympathomimetic drugs and lung surfactant factor [letter] Gerner R. **J Perinat Med** 1985;13(6):317–8

Adenosine potentiates sympathomimetic effects of nicotinic agonists in vivo. von Borstel RW, et al. **J Pharmacol Exp Ther** 1986 Feb;236(2):344–9

The role of co-transported sodium in the effect of indirectly acting sympathomimetic amines. Bönisch H. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Feb; 332(2):135–41

Restraint stress decreases afternoon plasma prolactin levels in female rats. Influence of neural antagonists and agonists on restraint-induced changes in plasma prolactin and corticosterone. Gala RR, et al. **Neuroendocrinology** 1986; 43(2):115–23

Changes in body temperature after administration of adrenergic and serotonergic agents and related drugs including antidepressants: II. Clark WG, et al. **Neurosci Biobehav Rev** 1986 Summer;10(2):153–220 (794 ref.)

Effects of autonomic agonists on in vivo female canine urethral motility. Nishizawa O, et al. **Urol Int** 1985; 40(6):320–4

[Relation between properties of adrenoceptors in mouse uterine smooth muscle and hormonal states] Xu DZ, et al. **Chung Kuo Yao Li Hsueh Pao** 1985 Jun;6(2):117–120 (Eng. Abstr.) **(Chi)**

[Effects and cardiovascular dangers of betamimetics] Beaune J, et al. **Rev Fr Gynecol Obstet** 1985 Dec;80(12):905–7 **(Fre)**

[Fetal effects of betamimetics] Domenichini Y. **Rev Fr Gynecol Obstet** 1985 Dec;80(12):907–11 **(Fre)**

[Sympathomimetic drugs in the newborn infant] Zanardo V, et al. **Pediatr Med Chir** 1985 Nov-Dec;7(6):809–14 (Eng. Abstr.) **(Ita)**

[Pharmacological studies on the pressor response in adrenal-enucleated rats] Tomori M. **Nippon Yakurigaku Zasshi** 1986 Jan;87(1):67–76 (Eng. Abstr.) **(Jpn)**

[Functional synergism of beta-adrenomimetics and seduxen during action on the uterine contractile function in an experiment] Gersamiia TV, et al. **Akush Ginekol (Mosk)** 1985 Aug;(8):65–6 **(Rus)**

[Possibilities of regulating uterine contractile function with adrenergic and cholinergic agents in an experiment] Pankratova VV, et al. **Akush Ginekol (Mosk)** 1985 Aug; (8):62–3 **(Rus)**

[The role of immune factors in the coronary, chrono- and inotropic effects of adrenomimetics] Kaz'min SG, et al. **Biull Eksp Biol Med** 1986 May;101(5):543–5 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Best criterion for the assessment of efficacy of tocolysis and choice of most suitable betasympathomimetic. Gummerus M. **Acta Obstet Gynecol Scand** 1985;64(7):561–5

Are oral decongestants safe in hypertension? An evaluation of the evidence and a framework for assessing clinical trials. Radack K, et al. **Ann Allergy** 1986 May;56(5):396–401

Arousal and stability: the effects of five new sympathomimetic drugs suggest a new principle for the prevention of space motion sickness. Kohl RL, et al. **Aviat Space Environ Med** 1986 Feb;57(2):137–43

Betamimetic drugs in the prophylaxis of preterm labour: extent and rationale of their use [letter] Alexander S, et al. **Br J Obstet Gynaecol** 1986 Aug;93(8):891–2

Acute and long-term antihypertensive effect of bopindolol—a nonselective beta-adrenergic blocker with ISA. Andersson OK, et al. **Eur J Clin Pharmacol** 1985; 29(3):281–5

Beta-adrenergic treatment of hyperkalemic periodic paralysis [letter] Streib EW. **Neurology** 1985 Dec;35(12):1805

[Dynamic changes in the duration of uterine contractions during tocolysis with the beta-adrenomimetic Pre-Par in high rupture of the amniotic sac] Ivanov S, et al. **Akush Ginekol (Sofiia)** 1985;24(4):35–7 (Eng. Abstr.) **(Bul)**

[Betamimetics in the treatment of threatened premature delivery: yes, but in what manner and at what price? Obstetrical risk factors] Berland M, et al. **Rev Fr Gynecol Obstet** 1985 Dec;80(12):902–4 **(Fre)**

[Conservative treatment of functional disorders of the lower urinary tract] Petri E. **Gynakol Rundsch** 1985;25 Suppl 3:47–52 **(Ger)**

TOXICITY

A comparison of the relative toxicities of beta-sympathomimetic tocolytic agents. Hankins GD, et al. **Am J Perinatol** 1985 Oct;2(4):338-46

SYMPHYSIOTOMY

Symphysiotomy for shoulder dystocia [letter] Hartfield VJ. **Am J Obstet Gynecol** 1986 Jul;155(1):228

Three-year follow-up of eight patients delivered by symphyseotomy. Greisen G. **Int J Gynaecol Obstet** 1985 Jun;23(3):203-5

HISTORY

[The historical development of pelvis-enlarging operations] Thiery M. **Verh K Acad Geneeskd Belg** 1986;48(2):99-107 (Eng. Abstr.) (Dut)

SYNAPSES

ANALYSIS

Electrocoavulsive therapy effects on synaptic proteins. Bolwig TG, et al. **Ann NY Acad Sci** 1986;462:140-6

Distribution of N-CAM in synaptic and extrasynaptic portions of developing and adult skeletal muscle. Covault J, et al. **J Cell Biol** 1986 Mar;102(3):716-30

Innervation of cat visual areas 17 and 18 by physiologically identified X- and Y- type thalamic afferents. II. Identification of postsynaptic targets by GABA immunocytochemistry and Golgi impregnation. Freund TF, et al. **J Comp Neurol** 1985 Dec 8;242(2):275-91

Varicosity-associated antigens define neuropile subfields in the leech central nervous system. Flanagan TR, et al. **J Neurocytol** 1985 Aug;14(4):653-72

CYTOLOGY

Synaptology of ventral root afferent fibers. Bortolami R, et al. **Boll Soc Ital Biol Sper** 1986 Mar 31;62(3):399-401

Cellular physiology of the turtle visual cortex: synaptic properties and intrinsic circuitry. Kriegstein AR, et al. **J Neurosci** 1986 Jan;6(1):178-91

Synaptic plasticity in vitro: cell culture of identified Aplysia neurons mediating short-term habituation and sensitization. Rayport SG, et al. **J Neurosci** 1986 Mar;6(3):759-63

Protein-synthetic machinery at postsynaptic sites during synaptogenesis: a quantitative study of the association between polyribosomes and developing synapses. Steward O, et al. **J Neurosci** 1986 Feb;6(2):412-23

Differentiation of neuronal growth cones: specialization of filopodial tips for adhesive interactions. Tsui HC, et al. **Proc Natl Acad Sci USA** 1985 Dec;82(23):8256-60

DRUG EFFECTS

Facilitation of hippocampal long-lasting potentiation by GABA antagonists. Wigström H, et al. **Acta Physiol Scand** 1985 Sep;125(1):159-72

Lidocaine depresses synaptic activity in the rat hippocampal slice. Schurr A, et al. **Anesthesiology** 1986 Apr;64(4):501-3

Action of (D-Pro4)-beta-casomorphin1-5 on processes of synaptic transmission. Kammerer E, et al. **Biomed Biochim Acta** 1985;44(9):1379-87

Effect of long term amineptine treatment on pre- and postsynaptic mechanisms in rat brain. Ceci A, et al. **Br J Pharmacol** 1986 May;88(1):269-75

Non-cholinergic synaptic excitation in neostriatum: pharmacological evidence for mediation by a glutamate-like transmitter. Cordingley GE, et al. **Br J Pharmacol** 1986 Aug;88(4):847-56

Pharmacological characterization of D-aminophosphonovaleric acid antagonism of amino acid and synaptically evoked excitations on frog motoneurones in vitro: an intracellular study. Corradetti R, et al. **Br J Pharmacol** 1985 Sep;86(1):19-25

Pre- and postsynaptic effects of baclofen in the rat hippocampal slice. Blaxter TJ, et al. **Brain Res** 1985 Aug 19;341(1):195-9

Antagonism of lateral olfactory tract synaptic potentials in rat prepyriform cortex slices. Hearn TJ, et al. **Brain Res** 1986 Aug 6;379(2):372-6

First-order sociceptive synapses in rat dorsal horn are blocked by an amino acid antagonist. Schouenborg J, et al. **Brain Res** 1986 Aug 6;379(2):394-8

Strychnine and L-allylglycine but not bicuculline and picrotoxin induce transsynaptic degeneration following transection of the inferior alveolar nerve in adult rats. Sugimoto T, et al. **Brain Res** 1985 Aug 26;341(2):393-8

MPTP causes a non-reversible depression of synaptic transmission in mouse neostriatal brain slice. Wilson JA, et al. **Brain Res** 1986 Mar 19;368(2):357-60

Synaptogenic effects of neonatal estradiol treatment in rat superior cervical ganglia. Wright LL, et al. **Brain Res** 1985 Aug;353(2):161-5

Action of serotonin and norepinephrine on spinal motoneurones following blockade of synaptic transmission. Neuman RS. **Can J Physiol Pharmacol** 1985 Jun;63(6):735-8

Fasciculin II, a protein inhibitor of acetylcholinesterase, tested on central synapses of Aplysia. Fossier P, et al. **Cell Mol Neurobiol** 1986 Jun;6(2):221-5

Ultrastructural investigation into the influence of ethanol on synaptic maturation in rat neocortex. I. Qualitative assessment. Jones DG, et al. **Dev Neurosci** 1985;7(2):94-106

Ultrastructural investigation into the influence of ethanol on synaptic maturation in rat neocortex. II. Quantitative analysis. Jones DG, et al. **Dev Neurosci** 1985;7(2):107-19

Pre- and postsynaptic bradykinin responses in the rat vas deferens: asymmetric distribution of the postsynaptic effect. Huidobro-Toro JP, et al. **Eur J Pharmacol** 1986 Mar 4;121(3):305-11

Presynaptic inhibitory effect of geographutoxin II, a new peptide toxin from Conus geographus venom, in the guinea-pig vas deferens. Ohizumi Y, et al. **Eur J Pharmacol** 1986 Jan 21;120(2):245-8

Pre-and postsynaptic actions of baclofen: blockade of the late synaptically-evoked hyperpolarization of CA1 hippocampal neurones. Peet MJ, et al. **Exp Brain Res** 1986;61(3):567-74

Increased synaptic contacts of catecholaminergic boutons in the cerebral cortex and paraventricular hypothalamic nucleus of rats after prenatal and perinatal ethanol exposure. Hwang BH. **Exp Neurol** 1986 Jun;92(3):762-8

Altered regulation of lesion-induced synaptogenesis by adrenalectomy and corticosterone in young adult rats. Scheff SW, et al. **Exp Neurol** 1986 Sep;93(3):456-70

Multiple actions of anticholinesterase agents on chemosensitive synapses: molecular basis for prophylaxis and treatment of organophosphate poisoning. Albuquerque EX, et al. **Fundam Appl Toxicol** 1985 Dec;5(6 Pt 2):S182-203

Effects of nerve growth factor on the survival and synaptic function of Ia sensory neurons axotomized in neonatal rats. Miyata Y, et al. **J Neurosci** 1986 Jul;6(7):2012-8

Characterization of barbiturate-stimulated chloride efflux from rat brain synaptoneurosomes. Schwartz RD, et al. **J Neurosci** 1985 Nov;5(11):2963-70

Ultrastructural evaluation of the damage of postsynaptic elements after kainic acid injection into the rat neostriatum. Matyja E. **J Neurosci Res** 1986;15(3):405-13

A modulating effect of Hygergine on the synaptic plasticity of old rats. Bertoni-Freddari C, et al. **J Pharmacol** 1985; 16 Suppl 3:33-8 (Eng, Fre)

Synaptic facilitation by 3-aminopyridine and its antagonism by verapamil and diltiazem. Riker WK, et al. **J Pharmacol Exp Ther** 1985 Nov;235(2):431-5

Baclofen suppresses hippocampal epileptiform activity at low concentrations without suppressing synaptic transmission. Swartzwelder HS, et al. **J Pharmacol Exp Ther** 1986 Jun; 237(3):881-7

Chronic effects of paraoxon on transmitter release and the synaptic contribution to tolerance. Thomsen RH, et al. **J Pharmacol Exp Ther** 1986 Jun;237(3):689-94

Relative presynaptic and postsynaptic effects of urapidil on adrenoceptors in the rabbit pulmonary artery. Zelis R. **J Pharmacol Exp Ther** 1986 Jun;237(3):746-9

Inhibitors of calcium buffering depress evoked transmitter release at the squid giant synapse. Adams DJ, et al. **J Physiol (Lond)** 1985 Dec;369:145-59

Relationship of metabolism of 2'-, 3'- and 5'-adenine nucleotides to presynaptic inhibition of transmitter release in rat vas deferens. Webster DR, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Jun; 333(2):163-7

Calcium/calmodulin-dependent inhibition of microtubule assembly by brain synaptic junction. Suzuki T, et al. **Neurochem Res** 1986 Apr;11(4):543-55

Effects of drugs on neurotransmitter release: experiments in vivo and in vitro. Tapia R. **Neurosci Biobehav Rev** 1985 Fall;9(3):391-7 (64 ref.)

Postsynaptic action of kynurenic acid in the rat dentate gyrus. Brooks PA, et al. **Neurosci Lett** 1986 May 6;66(1):96-100

Presynaptic effect of clonidine on unmyelinated afferent fibers in the spinal cord of the cat. Calvillo O, et al. **Neurosci Lett** 1986 Mar 14;64(3):335-9

Biphasic effects of glycine on synaptic responses of the frog optic tectum in vitro. Sivilotti L, et al. **Neurosci Lett** 1986 May 6;66(1):25-30

Promotion by sodium bromide of functional synapse formation from foreign nerves in the superior cervical ganglion of adult rat with intact preganglionic nerve supply. Toidi J, et al. **Neurosci Lett** 1986 Aug 15; 69(1):19-24

Channel-blocking mechanism ensures specific blockade of synaptic transmission. Skok VI. **Neuroscience** 1986; 17(1):1-9 (60 ref.)

Effects of polyunsaturated fatty acids and hormones on synaptogenesis in serum-free medium cultures of mouse fetal hypothalamic cells. Tixier-Vidal A, et al. **Neuroscience** 1986;17(1):115-32

Effects of Anemonia sulcata toxin II on presynaptic currents and evoked transmitter release at neuromuscular junctions of the mouse. Molgó J, et al. **Pflugers Arch** 1985 Dec; 405(4):349-53

The excitatory action of morphine on rat cortical neurons is mediated by a post-synaptic mechanism. Mercuri N, et al. **Regul Pept [Suppl]** 1985;4:197-9

"Pure" presynaptic stimulatory toxins and ion transport. Scheer H, et al. **Regul Pept [Suppl]** 1985;4:53-8

[Effect of early postnatal social and nutritional deprivation and simultaneous treatment with pyridostigmine on synaptogenesis in the hippocampus of the rat. Electron microscopy, morphometric and stereologic studies] Plaschke M, et al. **J Hirnforsch** 1986;27(2):145-58 (Eng. Abstr.) (Ger)

[Effect of acetylcholine on the ultrastructure of interneuronal synapses] Sotnikov OS, et al. **Arkh Anat Gistol Embriol** 1986 Jun;90(6):5-9 (Eng. Abstr.) (Rus)

[Effect of dimedrol on the function of the neuromuscular synapse and the generation of action potentials by motor nerve fibers] Vinogradova IM, et al. **Biull Eksp Biol Med** 1986 Mar;101(3):334-7 (Eng. Abstr.) (Rus)

[Plastic reorganization in the synapses of the neocortex in the rat after combined microapplications of mediators] Kotliar BI, et al. **Zh Vyssh Nerv Deiat** 1986 Mar-Apr; 36(2):397-9 (Rus)

EMBRYOLOGY

Increased motor neuron projection during development does not increase the number of neuromuscular synapses. Sohal GS, et al. **Exp Neurol** 1986 Apr;92(1):284-8

ENZYMOLOGY

Acetylcholinesterase activity and type C synapses in the hypoglossal, facial and spinal-cord motor nuclei of rats. An electron-microscope study. Davidoff MS, et al. **Histochemistry** 1986;84(4-6):515-24

Acetylcholinesterase activity at the synapses of presynaptic boutons with presumed alpha-motoneurons in chicken ventral horn. Light- and electron-microscopic studies. Sakamoto H, et al. **Histochemistry** 1985;83(4):291-8

Immunocytochemical localization of choline acetyltransferase within the rat neostriatum: a correlated light and electron microscopic study of cholinergic neurons and synapses. Phelps PE, et al. **J Comp Neurol** 1985 Aug 15;238(3):286-307

Presynaptic dopamine autoreceptors control tyrosine hydroxylase activation in depolarized striatal dopaminergic terminals. el Mestikawy S, et al. **J Neurochem** 1986 Jan; 46(1):12-22

Characterization of Ca2+/calmodulin-dependent protein kinase associated with rat cerebral synaptic junction: substrate specificity and effect of autophosphorylation. Suzuki T, et al. **J Neurochem** 1986 Aug;47(2):642-51

Choline acetyltransferase immunoreactivity is localized to four types of synapses in the rat interpeduncular nucleus. Lenn NJ, et al. **J Neurocytol** 1985 Dec;14(6):909-19

Evidence for a presynaptic adenylate cyclase system facilitating [3H]norepinephrine release from rat brain neocortex slices and synaptosomes. Schoffelmeer AN, et al. **J Neurosci** 1985 Oct;5(10):2685-9

Identification of protein phosphatase 1 in synaptic junctions: dephosphorylation of endogenous calmodulin-dependent kinase II and synapse-enriched phosphoproteins. Shields SM, et al. **J Neurosci** 1985 Dec;5(12):3414-22

Tyrosine hydroxylase immunoreactive neurons throughout the hypothalamus receive glutamate decarboxylase immunoreactive synapses: a double pre-embedding immunocytochemical study with particulate silver and HRP. van den Pol AN. **J Neurosci** 1986 Mar;6(3):877-91

The synaptic form of acetylcholinesterase binds to cell-surface heparan sulfate proteoglycans. Brandan E, et al. **J Neurosci Res** 1986;15(2):185-96

Glutamate decarboxylase-immunoreactive boutons in synaptic contacts with hypothalamic dopaminergic cells: a light and electron microscopy study combining immunocytochemistry and radioautography. Tappaz ML, et al. **Neuroscience** 1985 Sep;16(1):111-22

Localization of the cholinesterase activity in the synapses. Manolov S. **Trab Inst Cajal** 1984;75(1-4):5-17

[Immunolocalization of choline acetyltransferase in 2 types of efferent synapses of the organ of Corti] Eybalin M, et al. **C R Acad Sci [III]** 1985;301(15):679-84 (Eng. Abstr.) (Fre)

[Electron microscopic cytochemical and morphometric study of the cerebral cortex synapses in postmortem autolysis] Stepanov SS, et al. **Biull Eksp Biol Med** 1986 Apr; 101(4):498-500 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Monoclonal antibody 18B8, which detects synapse-associated antigens, binds to ganglioside GT3 (III3 (NeuAc)3LacCer). Dubois C, et al. **J Biol Chem** 1986 Mar 15;261(8):3826-30

METABOLISM

Involvement of fodrin-binding proteins in the structure of the neuronal postsynaptic density and regulation by phosphorylation. LeVine H, et al. **Biochem Biophys Res Commun** 1986 Jul 16;138(1):59-65

Simultaneous demonstration of 3 synaptic markers: nerve endings, localization of AChE and AChR clusters at neuromuscular junctions of the rat in vitro. de la Porte S, et al. **Biol Cell** 1986;56(2):181-3

Evaluation of the electrophysiological consequences of GABA removal from the synaptic cleft by Na+ ion transport-coupled neuronal uptake. Cupello A, et al. **Brain Res** 1985 Dec 9;358(1-2):364-6

Release of zinc sulphide accumulations into synaptic clefts after in vivo injection of sodium sulphide. Pérez-Clausell J, et al. **Brain Res** 1986 Jan 8;362(2):358-61

gamma-Aminobutyric acid (GABA) removal from the synaptic cleft: a postsynaptic event? Cupello A, et al. **Cell Mol Neurobiol** 1986 Mar;6(1):1-16

Increased Ca-uptake of presynaptic terminals during long-term potentiation in hippocampal slices. Agoston DV, et al. **Exp Brain Res** 1986;62(3):663–8

Estimation of intrasynaptic norepinephrine concentrations in humans. Goldstein DS, et al. **Hypertension** 1986 Jun; 8(6):471–5

Characterization of synapsin I binding to small synaptic vesicles. Schiebler W, et al. **J Biol Chem** 1986 Jun 25; 261(18):8383–90

The effects of manipulation of presynaptic 5-HT nerve terminals on postsynaptic 5-HT1 and 5-HT2 binding sites of the rat brain. Hall H, et al. **J Neural Transm** 1985; 64(2):129–43

Increased synaptic markers in hippocampus of depressed patients. Jørgensen OS, et al. **J Neural Transm** 1985; 64(1):55–66

Calmodulin-dependent protein phosphorylation in synaptic junctions. Kelly PT, et al. **J Neurochem** 1985 Nov; 45(5):1620–34

Binding of L-[3H]glutamate to fresh or frozen synaptic membrane and postsynaptic density fractions isolated from cerebral cortex and cerebellum of fresh or frozen canine brain. Wu K, et al. **J Neurochem** 1986 Mar;46(3):831–41

Detection and characterization of some new basic proteins in chicken postsynaptic densities. Yang ZW, et al. **J Neurochem** 1986 Jul;47(1):282–90

Proteins rapidly transported to the synapses of a single identified neuron of Aplysia californica. Ambron RT, et al. **J Neurosci** 1985 Nov;5(11):2866–73

Increased presynaptic ATP levels coupled to synaptic activity at the crayfish neuromuscular junction. Lindgren CA, et al. **J Neurosci** 1986 Sep;6(9):2644–52

Presynaptic calcium channels in rat cortical synaptosomes: fast-kinetics of phasic calcium influx, channel inactivation, and relationship to nitrendipine receptors. Suszkiw JB, et al. **J Neurosci** 1986 May;6(5):1349–57

Substrate oxidation by isolated rat brain mitochondria and synaptosomes. Tildon JT, et al. **J Neurosci Res** 1985; 14(2):207–15

Post-synaptic calcium influx at the giant synapse of the squid during activation by glutamate. Eusebi F, et al. **J Physiol (Lond)** 1985 Dec;369:183–97

Presynaptic serotonin receptor-mediated response in mice attenuated by antidepressant drugs and electroconvulsive shock. Goodwin GM, et al. **Nature** 1985 Oct 10–16; 317(6037):531–3

Asymmetric diffusion into the postsynaptic neuron: an extremely efficient mechanism for removing excess GABA from synaptic clefts on the Deiters' neurone plasma membrane. Hyden H, et al. **Neurochem Res** 1986 May; 11(5):695–706

Ethanol tolerance and enhanced calcium/calmodulin-dependent phosphorylation of synaptic membrane proteins. Shanley B, et al. **Neurosci Lett** 1985 Jul 4;58(1):55–9

Relationship between transmitter release and presynaptic calcium influx when calcium enters through discrete channels. Zucker RS, et al. **Proc Natl Acad Sci USA** 1986 May;83(9):3032–6

A steady electric current at the rat neuromuscular synapse. Betz WJ, et al. **Prog Clin Biol Res** 1986;210:205–12

On the mechanism of acetylcholine release. Dunant Y. **Prog Neurobiol** 1986;26(1):55–92 (231 ref.)

PATHOLOGY

Loss of perforated synapses in the dentate gyrus: morphological substrate of memory deficit in aged rats. Geinisman Y, et al. **Proc Natl Acad Sci USA** 1986 May; 83(9):3027–31

PHYSIOLOGY

Long-term potentiation and kindling: similar biochemical mechanisms? Baudry M. **Adv Neurol** 1986;44:401–10

A molecular approach to the calcium signal in brain: relationship to synaptic modulation and seizure discharge. DeLorenzo RJ. **Adv Neurol** 1986;44:435–64 (107 ref.)

Control theory applied to neural networks illuminates synaptic basis of interictal epileptiform activity. Johnston D, et al. **Adv Neurol** 1986;44:263–74 (78 ref.)

Alterations of GABA-mediated synaptic transmission in human epilepsy. Lloyd KG, et al. **Adv Neurol** 1986; 44:1033–44 (41 ref.)

Synaptic mechanisms in the kindled epileptic focus: a speculative synthesis. Wasterlain CG, et al. **Adv Neurol** 1986;44:411–33 (164 ref.)

Synaptic effects elicited in the Retzius cells of the leech Hirudo medicinalis by stimulation of the segmental roots. Carretta M, et al. **Arch Ital Biol** 1985 Nov;123(4):227–39

Associative recognition and storage in a model network of physiological neurons. Buhmann J, et al. **Biol Cybern** 1986; 54(4–5):319–35

Self-stabilization of neuronal networks. I. The compensation algorithm for synaptogenesis. Damrasch IE, et al. **Biol Cybern** 1986;54(4–5):211–22

A neuro-synaptic model of the auditory masking and unmasking process. Itoh K. **Biol Cybern** 1985;52(4):229–35

Presynaptic calcium diffusion from various arrays of single channels. Implications for transmitter release and synaptic facilitation. Fogelson AL, et al. **Biophys J** 1985 Dec; 48(6):1003–17

Compartmentalization of the submembrane calcium activity during calcium influx and its significance in transmitter release. Simon SM, et al. **Biophys J** 1985 Sep;48(3):485–98

Alpha 2-adrenergic hyperpolarization is not involved in slow synaptic inhibition in amphibian sympathetic ganglia. Rafuse PE, et al. **Br J Pharmacol** 1986 Feb;87(2):409–16

Demonstration of the synaptic origin of primary afferent depolarisation (PAD) in the isolated spinal cord of the hamster. Bagust J, et al. **Brain Res** 1985 Aug 26; 341(2):385–9

Quantitative investigation of the morphological plasticity of synaptic junctions in rat dentate gyrus during aging. Bertoni-Freddari C, et al. **Brain Res** 1986 Feb 26; 366(1–2):187–92

Protein synthesis requirement for the formation of synaptic elements. Burry RW. **Brain Res** 1985 Sep 30;344(1):109–19

Long-term depression of parallel fibre synapses following stimulation of climbing fibres. Ekerot CF, et al. **Brain Res** 1985 Sep 9;342(2):357–60

Long-term potentiation is associated with an increase in calcium-dependent, potassium-stimulated release of [14C]glutamate from hippocampal slices: an ex vivo study in the rat. Feasey KJ, et al. **Brain Res** 1986 Jan 29; 364(1):39–44

Normal electrical activity is not required for the formation of specific sensory-motor synapses. Frank E, et al. **Brain Res** 1986 Jul 16;378(1):147–51

Effect of age and muscle type on regeneration of neuromuscular synapses in mice. Hopkins WG, et al. **Brain Res** 1986 Apr 30;372(1):163–6

Further indications for enhancement of retrograde transneuronal transport of WGA-HRP by synaptic activity. Jankowska E. **Brain Res** 1985 Aug 26;341(2):403–8

Morphological and electrophysiological study of sprouting of corticorubral fibers after lesions of the contralateral cerebrum in kitten. Kosar E, et al. **Brain Res** 1985 Nov 18;347(2):217–24

Synaptogenesis in the neonatal preoptic area grafted into the aged brain. Matsumoto A, et al. **Brain Res** 1985 Nov 18; 347(2):363–7

Maturation of rat visual cortex. III. Postnatal morphogenesis and synaptogenesis of local circuit neurons. Miller MW. **Brain Res** 1986 Mar;390(2):271–85

Evidence for developmental synaptic regression of cholinergic afferents to the rat main olfactory bulb. Rea MA, et al. **Brain Res** 1986 Jan;389(1–2):233–7

Morphogenesis of the mossy fiber synapses in the hippocampus of the rhesus monkey. Vijayan VK. **Brain Res** 1986 Mar;390(2):259–70

Evidence for the functional role of monosialoganglioside GM1 in synaptic transmission in the rat hippocampus. Wieraszko A, et al. **Brain Res** 1986 Apr 23;371(2):305–13

Effect of a volatile anesthetic upon presynaptic excitability in mammalian hippocampus. Saint DA, et al. **Can J Physiol Pharmacol** 1986 Feb;64(2):221–3

Effects of nifedipine on hepatic blood volume in cats: indirect venoconstriction and absence of inhibition of postsynaptic alpha 2-adrenoceptor responses. Segstro R, et al. **Can J Physiol Pharmacol** 1986 May;64(5):615–20

Synaptic inhibition and cell communication; impairment of cell-to-cell coupling produced by gamma-aminobutyric acid (GABA) in the somatic musculature of Ascaris lumbricoides. De Mello WC, et al. **Cell Biol Int Rep** 1985 Sep;9(9):803–13

Mast cells and synaptic transmission in sympathetic ganglia. Villena F, et al. **Cell Mol Biol** 1986;32(3):253–9

Vacant postsynaptic densities on supraoptic dendrites of adult rats diminish in number with chronic stimuli. Tweedle CD, et al. **Cell Tissue Res** 1986;245(1):37–41

Influence of melatonin and serotonin on the number of rat pineal "synaptic" ribbons and spherules in vitro.Vollrath L, et al. **Cell Tissue Res** 1985;242(3):607–11

Supratrigeminal neurons mediate the shortest, disynaptic pathway from the central amygdaloid nucleus to the contralateral trigeminal motoneurons in the rat. Ohta M, et al. **Comp Biochem Physiol [A]** 1986;83(4):633–41

Synaptic effects of the synthetic pyrethroid resmethrin in rat brain in vitro. Doherty JD, et al. **Comp Biochem Physiol [C]** 1986;84(2):373–9

Synapse formation and induction of acetylcholine receptors by spinal neurones in cocultures with sympathetic ganglion and muscle cells. Leah JD, et al. **Dev Neurosci** 1986; 8(2):76–88

Galanin mimics slow synaptic inhibition in myenteric neurons. Palmer JM, et al. **Eur J Pharmacol** 1986 May 27; 124(3):379–80

Effects of neonatal intraocular colchicine on synaptogenesis and on the retention of the ipsilateral retinofugal projection within the superior colliculus. Matthews MA. **Exp Brain Res** 1985;60(3):465–82

A microiontophoretic study on the nature of the putative synaptic neurotransmitter involved in the pedunculopontine-substantia nigra pars compacta excitatory pathway of the rat. Scarnati E, et al. **Exp Brain Res** 1986;62(3):470–8

Synaptic responses of lumbar alpha-motoneurones to selective stimulation of cutaneous nociceptors and low threshold mechanoreceptors in the spinal cat. Schomburg ED, et al. **Exp Brain Res** 1986;62(2):335–42

Aging of motoneurons and synaptic processes in the cat. Chase MH, et al. **Exp Neurol** 1985 Nov;90(2):471–8

Long-term potentiation and depression in hippocampal slices. Pockett S, et al. **Exp Neurol** 1986 Mar;91(3):481–7

Strategies for modifying axonal growth, synaptic function, and recovery of neural function after injury to the central nervous system: a conference report. National Spinal Cord Injury Association and the Society for Neuroscience. May 10–12, 1985, Fort Lauderdale, Florida. Versa RP, et al. **Exp Neurol** 1986 Jul;93(1):1–56

Synaptic transmission in the rabbit inferior mesenteric ganglion. Simmons MA, et al. **J Auton Nerv Syst** 1985 Dec; 14(4):335–50

Endocytic and exocytic pathways of the neuronal secretory process and trans-synaptic transfer of wheat germ agglutinin–horseradish peroxidase in vivo. Broadwell RD, et al. **J Comp Neurol** 1985 Dec 22;242(4):632–50

Innervation of cat visual areas 17 and 18 by physiologically identified X- and Y- type thalamic afferents. I. Arborization patterns and quantitative distribution of postsynaptic elements. Freund TF, et al. **J Comp Neurol** 1985 Dec 8;242(2):263–74

Posthatching development of synapses in the neuropil of nucleus rotundus of the zebra finch: a quantitative electron microscopic study. Nixdorf B, et al. **J Comp Neurol** 1986 Aug 1;250(1):133–9

Stimulation-induced [14C]2-deoxyglucose labeling of synaptic activity in the central auditory system. Nudo RJ, et al. **J Comp Neurol** 1986 Mar 22;245(4):553–65

Spontaneous excitatory postsynaptic currents in crayfish neuromuscular junctions in the absence and presence of serotonin and 3,4-diaminopyridine. Finger W, et al. **J Comp Physiol [A]** 1986 Jul;159(1):13–20

Synaptic basis of swim initiation in the leech. III. Synaptic effects of serotonin-containing interneurones (cells 21 and 61) on swim CPG neurones (cells 18 and 208). Nusbaum MP. **J Exp Biol** 1986 May;122:303–21

Dynamic responses of electrically coupled systems. Publicover NG. **J Gen Physiol** 1986 Apr;87(4):513–31

Differential ability of two adult molluscan neurons to regenerate electrical synapses. Bulloch AG. **J Neurobiol** 1985 Sep;16(5):395–400

Effect of early malnutrition on dynamic properties of axodendritic synapses in the rat prefrontal cortex. Hernández A, et al. **J Neurobiol** 1985 Sep;16(5):389–93

Development of the mature distribution of synapses on fibres in the frog sartorius muscle. Bennett MR, et al. **J Neurocytol** 1985 Dec;14(6):981–95

Freeze-fracture analysis of synaptogenesis in glomeruli of mouse olfactory bulb. Hwang HM, et al. **J Neurocytol** 1985 Dec;14(6):997–1018

The development, ultrastructure and synaptic connections of the mossy cells of the dentate gyrus. Ribak CE, et al. **J Neurocytol** 1985 Oct;14(5):835–57

Synaptic and Golgi membrane recycling in cochlear hair cells. Siegel JH, et al. **J Neurocytol** 1986 Jun;15(3):311–28

Conductance mechanism responsible for long-term potentiation in monosynaptic and isolated excitatory synaptic inputs to hippocampus. Barrionuevo G, et al. **J Neurophysiol** 1986 Mar;55(3):540–50

Altered synaptic transmission in dentate gyrus of rats reared in complex environments: evidence from hippocampal slices maintained in vitro. Green EJ, et al. **J Neurophysiol** 1986 Apr;55(4):739–50

Voltage-clamp analysis of synaptic inhibition during long-term potentiation in hippocampus. Griffith WH, et al. **J Neurophysiol** 1986 Apr;55(4):767–75

Presynaptic inhibition in the crayfish CNS: pathways and synaptic mechanisms. Kirk MD. **J Neurophysiol** 1985 Nov; 54(5):1305–25

Probabilistic determination of synaptic strength. Korn H, et al. **J Neurophysiol** 1986 Feb;55(2):402–21

Presynaptic inhibition produced by an identified presynaptic inhibitory neuron. II. Presynaptic conductance changes caused by histamine. Kretz R, et al. **J Neurophysiol** 1986 Jan;55(1):131–46

Presynaptic inhibition produced by an identified presynaptic inhibitory neuron. I. Physiological mechanisms. Kretz R, et al. **J Neurophysiol** 1986 Jan;55(1):113–30

Frequency dependence of synaptic transmission in nucleus of the solitary tract in vitro. Miles R. **J Neurophysiol** 1986 May;55(5):1076–90

Physiology of excitatory synaptic transmission in cultures of dissociated rat hippocampus. Rothman SM, et al. **J Neurophysiol** 1985 Sep;54(3):701–13

Synaptic mechanisms of a tonic EPSP in crustacean visual interneurons: analysis and simulation. Waldrop B, et al. **J Neurophysiol** 1985 Sep;54(3):636–50

Synaptic plasticity in the molluscan peripheral nervous system: physiology and role for peptides. Coates CJ, et al. **J Neurosci** 1985 Oct;5(10):2677–84

Excitatory synaptic drive for swimming mediated by amino acid receptors in the lamprey. Dale N. **J Neurosci** 1986 Sep;6(9):2662–75

Dual-component synaptic potentials in the lamprey mediated by excitatory amino acid receptors. Dale N, et al. **J Neurosci** 1986 Sep;6(9):2653–61

Orientation selectivity of synaptic potentials in neurons of cat primary visual cortex. Ferster D. **J Neurosci** 1986 May; 6(5):1284–301

Hippocampal long-lasting potentiation produced by pairing single volleys and brief conditioning tetani evoked in separate afferents. Gustafsson B, et al. **J Neurosci** 1986 Jun; 6(6):1575–82

N-methyl-D-aspartate receptor antagonists reduce synaptic excitation in the hippocampus. Hablitz JJ, et al.

J Neurosci 1986 Jan;6(1):102–6

Formation of electrical synapses between isolated, cultured Helisoma neurons requires mutual neurite elongation. Hadley RD, et al. J Neurosci 1985 Dec;5(12):3145–53

Decline in calcium cooperativity as the basis of facilitation at the squid giant synapse. Stanley EF. J Neurosci 1986 Mar;6(3):782–9

Molecular specificity of defined types of amacrine synapse in cat retina. Sterling P, et al. J Neurosci 1986 May; 6(5):1314–24

Integration and spike initiation in neuronal terminals. Wang–Bennett LT, et al. J Neurosci 1986 Jun;6(6):1726–32

Modulatory synaptic actions of an identified histaminergic neuron on the serotonergic metacerebral cell of Aplysia. Weiss KR, et al. J Neurosci 1986 Aug;6(8):2393–402

Development and elimination of presynaptic elements on poly[!ysine–coated beads implanted in neonatal rat cerebellum. Burry RW, et al. J Neurosci Res 1986; 15(1):67–78

Predominance of postsynaptic mechanism in vagal suppression of sympathetic tachycardia in the dog. Kimura T, et al. J Pharmacol Exp Ther 1985 Dec;235(3):793–7

Calcium entry into voltage–clamped presynaptic terminals of squid. Augustine GJ, et al. J Physiol (Lond) 1985 Oct; 367:143–62

The non–uniform character of expiratory synaptic activity in expiratory bulbospinal neurones of the cat. Ballantyne D, et al. J Physiol (Lond) 1986 Jan;370:433–56

The effect of a transient outward current (IA) on synaptic potentials in sympathetic ganglion cells of the guinea–pig. Cassell JF, et al. J Physiol (Lond) 1986 May;374:273–88

Voltage dependence of 5–hydroxytryptamine release at a synapse between identified leech neurones in culture. Dietzel ID, et al. J Physiol (Lond) 1986 Mar;372:191–205

Gamma–aminobutyric acid uptake and the termination of inhibitory synaptic potentials in the rat hippocampal slice. Dingledine R, et al. J Physiol (Lond) 1985 Sep;366:387–409

Adenosine increases synaptic facilitation in the in vitro rat hippocampus: evidence for a presynaptic site of action. Dunwiddie TV, et al. J Physiol (Lond) 1985 Dec; 369:365–77

Synaptic excitation of neurones in area 17 of the cat by intracortical axon collaterals of cortico–geniculate cells. Ferster D, et al. J Physiol (Lond) 1985 Oct;367:233–52

Partitioning of monosynaptic Ia excitatory post–synaptic potentials in the motor nucleus of the cat semimembranosus muscle. Hamm TM, et al. J Physiol (Lond) 1985 Dec; 369:379–98

Adaptation in the input–output relation of the synapse made by the barnacle's photoreceptor. Hayashi JH, et al. J Physiol (Lond) 1985 Nov;368:179–95

Synaptic block of a calcium–activated potassium conductance in Aplysia neurones. Kehoe J. J Physiol (Lond) 1985 Dec; 369:439–74

Synaptic block of a transmitter–induced potassium conductance in Aplysia neurones. Kehoe J. J Physiol (Lond) 1985 Dec;369:399–437

Characterization of miniature inhibitory post–synaptic potentials in rat spinal motoneurones. Kojima H, et al. J Physiol (Lond) 1985 Nov;368:627–40

Synaptic transmission at N–methyl–D–aspartate receptors in the proximal retina of the mudpuppy. Lukasiewicz PD, et al. J Physiol (Lond) 1985 Oct;367:99–115

Excitatory synaptic interactions between CA3 neurones in the guinea–pig hippocampus. Miles R, et al. J Physiol (Lond) 1986 Apr;373:397–418

Synaptic excitation in cultures of mouse spinal cord neurones: receptor pharmacology and behaviour of synaptic currents. Nelson PG, et al. J Physiol (Lond) 1986 Mar;372:169–90

Muscarinic M1 and M2 receptors mediate depolarization and presynaptic inhibition in guinea–pig enteric nervous system. North RA, et al. J Physiol (Lond) 1985 Nov;368:435–52

A magnesium–sensitive post–synaptic potential in rat cerebral cortex resembles neuronal responses to N–methylaspartate. Thomson AM. J Physiol (Lond) 1986 Jan;370:531–49

Morphometric analysis of the synaptic ribbons and nerve vesicles of the cat pineal gland after electrical stimulation of the superior cervical ganglia. González G, et al. J Pineal Res 1986;3(1):15–23

Responses of synaptic ribbons in pineal photoreceptors under normal and experimental lighting conditions. McNulty JA. J Pineal Res 1984;1(2):139–47

No correlation of pineal "synaptic" ribbon numbers and melatonin formation in individual rat pineal glands. Vollrath L, et al. J Pineal Res 1984;1(2):187–95

Dopamine release and presynaptic dopaminergic regulation in guinea pig spinal cord. Kondo M, et al. Jpn J Pharmacol 1986 May;41(1):39–46

Electrophysiological assessment of monoamine synaptic function in neuronal circuits of seizure susceptible brains. Waterhouse BD. Life Sci 1986 Sep 1;39(9):807–18

How might demyelinating disorders and glaucoma modify synaptic function? Atkin A. Med Hypotheses 1985 Nov; 18(3):265–79

Receptor–receptor interactions in the central nervous system. A new integrative mechanism in synapses. Fuxe K, et al. Med Res Rev 1985 Oct–Dec;5(4):441–82 (133 ref.)

Fluorescently labelled Na+ channels are localized and immobilized to synapses of innervated muscle fibres. Angelides KJ. Nature 1986 May 1–7;321(6065):63–6

Clues about glues in development [news] Barnstable CJ. Nature 1986 Jun 19–25;321(6072):731–2

Frequency–dependent involvement of NMDA receptors in the hippocampus: a novel synaptic mechanism. Herron CE, et al. Nature 1986 Jul 17–23;322(6076):265–8

The mechanism of rectification at the electrotonic motor giant synapse of the crayfish. Jaslove SW, et al. Nature 1986 Sep 4–10;323(6083):63–5

Potentiation of synaptic transmission in the hippocampus by phorbol esters. Malenka RC, et al. Nature 1986 May 8–14; 321(6066):175–7

Presynaptic control of synaptic channel kinetics in sympathetic neurones. Marshall LM. Nature 1985 Oct 17–23;317(6038):621–3

Ganglion cell dendrites are presynaptic in catfish retina. Sakai HM, et al. Nature 1986 Feb 6–12;319(6053):495–7

GABA receptor binding in rat cerebral cortex and superior cervical ganglion in the absence of GABAergic synapses. Balcar VJ, et al. Neurosci Lett 1986 May 23;66(3):269–74

A revised method for generation of unitary postsynaptic potentials for quantal analysis in the hippocampus. Higashima M, et al. Neurosci Lett 1986 Jul 24;68(2):221–6

Dorsolateral geniculate neurons in vitro: reduced postsynaptic excitability following repetitive activation of the optic tract. Hirsch JC, et al. Neurosci Lett 1985 Jul 4;58(1):151–6

Long–term potentiation of synaptic transmission in the hippocampus of the rat; effect of calmodulin and oleoyl–acetyl–glycerol on release of [3H]glutamate. Lynch MA, et al. Neurosci Lett 1986 Apr 11;65(2):171–6

Long–term potentiation of synaptic transmission in the dentate gyrus: increased release of [14C]glutamate without increase in receptor binding. Lynch MA, et al. Neurosci Lett 1985 Nov 20;62(1):123–9

Evidence for the involvement of kainate receptors in synaptic transmission in the avian cochlear nucleus. Nemeth EF, et al. Neurosci Lett 1985 Sep 6;59(3):297–301

Long–term potentiation in guinea pig hippocampal slices monitored by optical recording of neuronal activity. Saggau P, et al. Neurosci Lett 1986 Aug 15;69(1):53–8

Synaptic connections of relay and local circuit neurons in the monkey's dorsal lateral geniculate nucleus. Wilson JR. Neurosci Lett 1986 May 6;66(1):79–84

Synaptic organization of the cerebello–thalamo–cerebral pathway in the cat. III. Cerebellar input to corticofugal neurons destined for different subcortical nuclei in areas 4 and 6. Futami T, et al. Neurosci Res 1986 May;3(4):321–44

Synaptic actions of cutaneous A delta and C fibers on primate hindlimb alpha–motoneurons. Hori Y, et al. Neurosci Res 1986 Jul;3(5):411–29

Trophic interactions between the cochleovestibular ganglion of the chick embryo and its synaptic targets in culture. Ard MD, et al. Neuroscience 1985 Sep;16(1):151–70

Action of morphine on rat cortical neurons intracellularly recorded in vivo: evidence for an excitatory postsynaptic effect which is naloxone insensitive. Bernardi G, et al. Neuroscience 1986 May;18(1):31–41

Denervation–induced formation of adrenergic synapses in the superior cervical sympathetic ganglion of the rat and the enhancement of this effect by postganglionic axotomy. Ramsay DA, et al. Neuroscience 1985 Dec;16(4):997–1026

Development of plastic mechanisms related to learning at identified chemical synaptic connections in Aplysia. Rayport SG, et al. Neuroscience 1986 Feb;17(2):283–94

Neurons dissociated from rat myenteric plexus retain differentiated properties when grown in cell culture. III. Synaptic interactions and modulatory effects of neurotransmitter candidates. Willard AL, et al. Neuroscience 1985 Sep;16(1):213–21

Cholecystokinin–octapeptide enhances synaptic activity in neurons cultured from rat cerebral cortex. Delfs JR, et al. Peptides 1985;6 Suppl 1:139–44

Neurotransmitter release and its facilitation in crayfish. VII. Another voltage dependent process beside Ca entry controls the time course of phasic release. Parnas H, et al. Pflugers Arch 1986 Feb;406(2):121–30

Two different presynaptic calcium currents in mouse motor nerve terminals. Penner R, et al. Pflugers Arch 1986 Feb; 406(2):190–7

Electrophysiological properties of sympathetic preganglionic neurons in the cat spinal cord in vitro. Yoshimura M, et al. Pflugers Arch 1986 Feb;406(2):91–8

Simulated hypogravity and synaptogenesis in culture. Gruener R. Physiologist 1985 Dec;28(6 Suppl):S79–80

Facilitating and nonfacilitating synapses on pyramidal cells: a correlation between physiology and morphology. Bower JM, et al. Proc Natl Acad Sci USA 1986 Feb;83(4):1115–9

Cerebellar granule cells in culture: monosynaptic connections with Purkinje cells and ionic currents. Hirano T, et al. Proc Natl Acad Sci USA 1986 Jul;83(13):4957–61

Dendritic sprouting and compensatory synaptogenesis in an identified interneuron follow auditory deprivation in a cricket. Hoy RR, et al. Proc Natl Acad Sci USA 1985 Nov; 82(22):7772–6

Hebbian synapses in hippocampus. Kelso SR, et al. Proc Natl Acad Sci USA 1986 Jul;83(14):5326–30

Fast and slow synaptic potentials produced in a mammalian sympathetic ganglion by colon distension. Peters S, et al. Proc Natl Acad Sci USA 1986 Mar;83(6):1941–4

Presynaptic transmitter content controls the number of quanta released at a neuro–neuronal cholinergic synapse. Poulain B, et al. Proc Natl Acad Sci USA 1986 Jan; 83(1):170–3

Antibody to a molecular marker of cell position inhibits synapse formation in retina. Trisler D, et al. Proc Natl Acad Sci USA 1986 Jun;83(12):4194–8

Initial events in the formation of neuromuscular synapse: rapid induction of acetylcholine release from embryonic neuron. Xie ZP, et al. Proc Natl Acad Sci USA 1986 Sep; 83(18):7069–73

Thyrotropin–releasing hormone mimics descending slow synaptic potentials in rat spinal motoneurons. Takahashi T. Proc R Soc Lond [Biol] 1985 Sep 23;225(1240):391–8

Postsynaptic potentials of bulbar respiratory neurons of the turtle. Takeda R, et al. Respir Physiol 1986 May; 64(2):149–60

Differential conditioning of associative synaptic enhancement in hippocampal brain slices. Kelso SR, et al. Science 1986 Apr 4;232(4746):85–7

Trophic factor aids synapse formation [news] Marx JL. Science 1986 Jun 20;232(4757):1501

Concurrent overproduction of synapses in diverse regions of the primate cerebral cortex. Rakic P, et al. Science 1986 Apr 11;232(4747):232–5

[Peptidergic transmission and late slow EPSP in sympathetic ganglion cells] Jiang ZG. Sheng Li Ke Hsueh Chin Chan 1984 Oct;15(4):301–5 (Chi)

[Dorsal column postsynaptic neurons] Lü GW. Sheng Li Ke Hsueh Chin Chan 1984 Oct;15(4):310–5 (Chi)

[Presynaptic inhibition and facilitation] Niu HZ. Sheng Li Ke Hsueh Chin Chan 1985 Oct;16(4):343–6 (30 ref.) (Chi)

[Neurosecretion and peptidergic synapses] Barry J. Ann Endocrinol (Paris) 1985;46(1):3–8 (Eng. Abstr.) (Fre)

[Neurosecretory synapses, yesterday and today] Dreifuss JJ, et al. Ann Endocrinol (Paris) 1985;46(1):47–53 (Eng. Abstr.) (Fre)

[Coupled excitation and contraction in skeletal muscles: arguments in favor of a mechanism implicating inositol metabolism] Potus J. C R Acad Sci [III] 1986; 302(12):457–62 (Eng. Abstr.) (Fre)

[Propagation of viruses along neuron networks by transsynaptic passage—a contribution to the pathogenesis of rabies] Gosztonyi G. Tierarztl Prax 1986;14(2):199–204 (24 ref.) (Eng. Abstr.) (Ger)

[Memory—2. Neurophysiologic studies of learning] Tsukahara N. Nippon Rinsho 1985 Jul;43(7):1314–20 (20 ref.) (Jpn)

[Optimum geometric parameters of the dendrite process] Manianin II. Biofizika 1986 Jan–Feb;31(1):119–22 (Eng. Abstr.) (Rus)

[Rapid pH changes associated with synaptic transmission in isolated slices of the mammalian hippocampus] Kryshtal' OA, et al. Biull Eksp Biol Med 1986 Jun;101(6):643–5 (Eng. Abstr.) (Rus)

[Presynaptic inhibition—an intra–organ mechanism of the regulation of heart afferents] Frolov VA, et al. Dokl Akad Nauk SSSR 1986;287(2):482–5 (Rus)

[Regulation of electrotonic synaptic conduction between snail neurons by fragments of the active site of the ACTH molecule] Kamkin AG, et al. Dokl Akad Nauk SSSR 1986; 287(5):1266–9 (Rus)

[Mathematical model of factors determining the time course of miniature post–synaptic potentials in frog muscles] Magazanik LG, et al. Dokl Akad Nauk SSSR 1986; 289(3):733–7 (Rus)

[Nature and synaptic mechanisms of inhibition in neurons of the cerebral cortex] Serkov FN. Fiziol Zh 1985 Sep–Oct; 31(5):513–25 (Eng. Abstr.) (Rus)

[Synaptic potentials of smooth muscles of the human small intestine] Zagorodniuk VP, et al. Fiziol Zh 1986 Mar–Apr; 32(2):172–9 (Eng. Abstr.) (Rus)

[Effect of Sr2+ and Ba2+ ions on synaptic transmission in smooth muscles of the gastrointestinal tract of guinea pig] Zagorodniuk VP, et al. Fiziol Zh 1985 Jul–Aug; 31(4):455–62 (Eng. Abstr.) (Rus)

[Effect of synaptic activation and serotonin application on the calcium current in Helix neurons] Kononenko NI, et al. Neirofiziologiia 1986;18(1):77–85 (Eng. Abstr.) (Rus)

[Role of the humoral factor and postsynaptic sensitization in heterosynaptic facilitation] Storozhuk VM, et al. Neirofiziologiia 1986;18(2):250–9 (Eng. Abstr.) (Rus)

[Transmission in the sensorimotor synapses of the lumbar spinal cord in Rana ridibunda tadpoles] Shupliakov OV. Zh Evol Biokhim Fiziol 1986 Mar–Apr;22(2):174–80 (Eng. Abstr.) (Rus)

[Reflection of the plastic properties of 2 neurons with a common monosynaptic input in the statistical characteristics of their impulse activity] Zosimovskiĭ VA. Zh Vysh Nerv Deiat 1986 Jan–Feb;36(1):170–5 (Eng. Abstr.) (Rus)

[Reflection of the plastic properties of the simplest neuronal associations in statistical characteristics of the spike activity of their elements. Polysynaptically linked neurons] Zosimovskiĭ VA. Zh Vysh Nerv Deiat 1986 Mar–Apr; 36(2):368–74 (Eng. Abstr.) (Rus)

SECRETION

Synaptic functions in rat sympathetic neurons in microcultures. II. Adrenergic/cholinergic dual status and plasticity. Potter DD, et al. J Neurosci 1986 Apr; 6(4):1080–98

ULTRASTRUCTURE

Perforated synapses in the acoustic area of the human brain. Baloyannis SJ, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1985;423:85–8

Relationships between synaptic junctions, puncta adhaerentia and the spine apparatus at neocortical axo-spinous synapses. A serial section study. Spaček J. **Anat Embryol (Berl)** 1985;173(1):129–35

Differences in synaptic size in the superficial and deep layers of the molecular layer of the cerebellar cortex of the cat. An electronmicroscopic and autoradiographic study. Van der Want JJ, et al. **Anat Embryol (Berl)** 1985;172(3):303–9

The function of dendritic spines: a review of theoretical issues. Coss RG, et al. **Behav Neural Biol** 1985 Sep; 44(2):151–85 (143 ref.)

Microtubule organization and synaptogenesis in the vestibular sensory cells. Favre D, et al. **Brain Res** 1986 Feb; 390(1):137–42

Direct synaptic linkage of ventrolateral nucleus of thalamus terminal with cat fast pyramidal tract neuron. Liu XB, et al. **Brain Res** 1986 Jan 1;362(1):189–91

Mitral cell differentiation and synaptogenesis of rat presumptive olfactory bulb in organ culture. Chuah MI, et al. **Cell Tissue Res** 1986;243(2):359–65

Fine-structural study of the pineal body of the monkey (Macaca fuscata) with special reference to synaptic formations. Ichimura T, et al. **Cell Tissue Res** 1986; 244(3):569–76

The distribution of NCAM in the chick hindlimb during axon outgrowth and synaptogenesis. Tosney KW, et al. **Dev Biol** 1986 Apr;114(2):437–52

Synaptology of the medullary command (pacemaker) nucleus of the weakly electric fish (Apteronotus leptorhynchus) with particular reference to comparative aspects. Elekes K, et al. **Exp Brain Res** 1985;60(3):509–20

Photoreceptor synaptic ribbons: three-dimensional shape, orientation and diurnal (non) variation. McCartney MD, et al. **Exp Eye Res** 1985 Sep;41(3):313–21

Cholecystokinin synapses in the sexually dimorphic central part of the medial preoptic nucleus. Larriva-Sahd J, et al. **Exp Neurol** 1986 Jun;92(3):639–50

Ultrastructural localization of calcium in the CNS of vertebrates. Probst W. **Histochemistry** 1986;85(3):231–9

A note on presynaptic dendrites in explant cultures of embryonic chick tectum. Bird MM. **J Anat** 1985 Jun;140 (Pt 4):651–8

Nerve-induced remodeling of muscle basal lamina during synaptogenesis. Anderson MJ. **J Cell Biol** 1986 Mar; 102(3):863–77

Ultrastructural characterization of synaptic terminals formed on newly generated neurons in a song control nucleus of the adult canary forebrain. Burd GD, et al. **J Comp Neurol** 1985 Oct 8;240(2):143–52

Freeze-fracture study of an invertebrate multiple-contact synapse: the fly photoreceptor tetrad. Fröhlich A. **J Comp Neurol** 1985 Nov 15;241(3):311–26

Ultrastructural analysis of synaptic relationships of intracellularly stained pyramidal cell axons in piriform cortex. Haberly LB, et al. **J Comp Neurol** 1986 Jun 22; 248(4):464–74

The synaptic ultrastructure in the outer plexiform layer of the catfish retina: a three-dimensional study with HVEM and conventional EM of Golgi-impregnated bipolar and horizontal cells. Hidaka S, et al. **J Comp Neurol** 1986 May 8;247(2):181–99

Patterns of afferent synaptic contacts in the alligator lizard's cochlea. Mulroy MJ. **J Comp Neurol** 1986 Jun 8; 248(2):263–71

Synaptic connections of callosal projection neurons in the vibrissal region of mouse primary motor cortex: an electron microscopic/horseradish peroxidase study. Porter LL, et al. **J Comp Neurol** 1986 Jun 22;248(4):573–87

Synaptic organization of the cone horizontal cells in the catfish retina. Sakai HM, et al. **J Comp Neurol** 1986 Mar 1;245(1):107–15

The distribution of synapses on the two fields of neurites of spiking local interneurones in the locust. Watson AH, et al. **J Comp Neurol** 1985 Oct 15;240(3):219–32

Cyclic nucleotide phosphodiesterase activity in bovine brain coated vesicles. Silva WI, et al. **J Neurochem** 1986 Apr; 46(4):1263–71

Differentiation of dorsal root ganglion cells with processes in their synaptic target zone of embryonic mouse spinal cord: a retrograde tracer study. Barber RP, et al. **J Neurocytol** 1986 Apr;15(2):207–18

Synaptic terminals in the ventroposterolateral nucleus of the thalamus from neurons in the dorsal column and lateral cervical nuclei: an electron microscopic study in the cat. Blomqvist A, et al. **J Neurocytol** 1985 Dec;14(6):869–86

Reorganization of synaptic ultrastructure at facilitated lobster neuromuscular terminals. Chiang RG, et al. **J Neurocytol** 1986 Feb;15(1):63–74

Mossy fibres form synapses with identified pyramidal basket cells in the CA3 region of the guinea-pig hippocampus: a combined Golgi–electron microscope study. Frotscher M. **J Neurocytol** 1985 Apr;14(2):245–59

Ultrastructure of the rectifying electrotonic synapses between giant fibres and pectoral fin adductor motor neurons in the hatchetfish. Hall DH, et al. **J Neurocytol** 1985 Oct; 14(5):825–34

Non-sympathetic synaptic innervation of the pinealocyte of the Mongolian gerbil (Meriones unguiculatus): an electron microscopic study. Møller M. **J Neurocytol** 1985 Aug; 14(4):541–50

A newly recognized element in the monkey dorsal lateral geniculate nucleus exhibiting both presynaptic and postsynaptic sites. Pasik P, et al. **J Neurocytol** 1986 Apr; 15(2):177–86

Intramembranous organization of lobster excitatory neuromuscular synapses. Pearce J, et al. **J Neurocytol** 1986 Apr;15(2):241–52

A comparison of active zone structure in frog neuromuscular junctions from two fast muscles with different synaptic efficacy. Propst JW, et al. **J Neurocytol** 1986 Aug; 15(4):525–34

Synaptic architecture of glomeruli in superficial dorsal horn of rat spinal cord, as shown in serial reconstructions. Ribeiro-da-Silva A, et al. **J Neurocytol** 1985 Apr; 14(2):203–220

Activity-dependent deformations of presynaptic grids at central synapses. Triller A, et al. **J Neurocytol** 1985 Apr; 14(2):177–92

Changes in the structure of synapses associated with learning. Horn G, et al. **J Neurosci** 1985 Dec;5(12):3161–8

Morphological transformation of synaptic terminals of a phasic motoneuron by long-term tonic stimulation. Lnenicka GA, et al. **J Neurosci** 1986 Aug;6(8):2252–8

Microcircuitry of beta ganglion cells in cat retina. McGuire BA, et al. **J Neurosci** 1986 Apr;6(4):907–18

Dual ultrastructural localization of two neurotransmitter-related antigens: colloidal gold-labeled neurophysin-immunoreactive supraoptic neurons receive peroxidase-labeled glutamate decarboxylase- or gold-labeled GABA-immunoreactive synapses. van den Pol AN. **J Neurosci** 1985 Nov;5(11):2940–54

Incoming synapses and size of small granule-containing cells in a rat sympathetic ganglion after post-ganglionic axotomy. Case CP, et al. **J Physiol (Lond)** 1986 May; 374:33–71

Outgoing synapses of small granule-containing cells in the rat superior cervical ganglion after post-ganglionic axotomy. Case CP, et al. **J Physiol (Lond)** 1986 May; 374:1–32

Synaptic junctions between the adrenergic axon varicosity and the pinealocyte in the rat. Huang HT, et al. **J Pineal Res** 1984;1(3):281–91

'Perforated' synapses in frontal cortex of chronic alcohol-fed rats. Cadete-Leite A, et al. **J Submicrosc Cytol** 1986 Jul; 18(3):495–9

Ultrastructural changes of afferent nerve terminals in the cat medial geniculate body after destruction of the inferior colliculus. Tatsuoka H. **J Submicrosc Cytol** 1986 Jan; 18(1):35–46

Diurnal changes in synaptic ribbons of rod cells of the turtle. Abe H, et al. **J Ultrastruct Res** 1984 Mar;86(3):246–51

Ultrastructural studies on the afferent synaptic input to oxytocin-containing neurons in the paraventricular nucleus of the hypothalamus. Piekut DT. **J Ultrastruct Res** 1985 Jan;90(1):71–9

Synaptic connectivity of a local circuit neurone in lateral geniculate nucleus of the cat. Hamos JE, et al. **Nature** 1985 Oct 17–23;317(6038):618–21

Synapse ultrastructure of the initial axon segment of the pyramidal neuron. Bragina TA. **Neurosci Behav Physiol** 1986 Jan–Feb;16(1):1–6

Reorganization of the red nucleus synaptoarchitecture after destruction of the cortical motor area in the rat cerebral hemispheres. Verbitskaya LB, et al. **Neurosci Behav Physiol** 1985 Jul–Aug;15(4):351–7

Synapses between GABA-immunoreactive axonal and dendritic elements in monkey substantia nigra. Holstein GR, et al. **Neurosci Lett** 1986 May 23;66(3):316–22

Electron microscopic observations on recurrent axon collateral boutons of a triceps surae gamma-motoneuron in the cat. Ulfhake B, et al. **Neurosci Lett** 1986 Jan 2; 63(1):27–32

Postsynaptic density visualized by whole mount electron microscopy. Suzuki T, et al. **Neurosci Res** 1986 Feb; 3(3):226–36

Ultrastructural demonstration of nonsynaptic release sites in the central nervous system of the snail Lymnaea stagnalis, the insect Periplaneta americana, and the rat. Buma P, et al. **Neuroscience** 1986 Mar;17(3):867–79

Morphology of synapses formed by cholecystokinin-immunoreactive axon terminals in regio superior of rat hippocampus. Hendry SH, et al. **Neuroscience** 1985 Sep;16(1):57–68

Gamma-aminobutyrate, gastrin releasing peptide, serotonin, somatostatin, and vasopressin: ultrastructural immunocytochemical localization in presynaptic axons in the suprachiasmatic nucleus. van den Pol AN. **Neuroscience** 1986 Mar;17(3):643–59

The subsynaptic 43-kDa protein is concentrated at developing nerve-muscle synapses in vitro. Burden SJ. **Proc Natl Acad Sci USA** 1985 Dec;82(23):8270–3

Synaptogenesis of cultured striatal neurons in serum-free medium: a morphological and biochemical study. Weiss S, et al. **Proc Natl Acad Sci USA** 1986 Apr;83(7):2238–42

Ultrastructural organization of lamina VI of the spinal cord of the cat. Tredici G, et al. **Prog Neurobiol** 1985; 24(4):293–331

[Alzheimer's disease—synaptic dementia] Soustek Z. **Cesk Psychiatr** 1986 Feb;82(1):15–24 (Eng. Abstr.) (Cze)

[Development of the internal ear during the 1st trimester of pregnancy. Differentiation of the sensory cells and formation of the 1st synapses] Lavigne-Rebillard M, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(7):493–8 (Eng. Abstr.) (Fre)

[Stimulation-induced changes in the ultrastructure of the synapses in the hippocampus by post-tetanic potentiation] Wenzel J, et al. **J Hirnforsch** 1985;26(5):573–83 (Eng. Abstr.) (Ger)

[Formation and repression of neuromuscular endplates in neurogesic and muscular lesions] Herrmann V. **Zentralbl Allg Pathol** 1986;131(4):323–36 (Eng. Abstr.) (Ger)

[Electrotonic synapses in the mammalian spinal cord] Motorina MV. **Arkh Anat Gistol Embriol** 1986 Jul; 91(7):13–20 (Eng. Abstr.) (Rus)

[Ultrastructure of synapses of the parietal and visceral ganglia of Helix pomatia] Uranova NA, et al. **Arkh Anat Gistol Embriol** 1986 May;90(5):32–8 (Eng. Abstr.) (Rus)

[Para-membrane neurofilament structures of cerebral cortex synapses during ischemia and in the early postischemic period] Semchenko VV, et al. **Biull Eksp Biol Med** 1986 Jul;102(7):100–2 (Eng. Abstr.) (Rus)

[Characteristic organization of axon-axon synapses in unipolar autonomic neurons] Aliev AA, et al. **Dokl Akad Nauk SSSR** 1986;287(5):1234–6 (Rus)

[Barrier function of the glia of autonomic axosomatic synapses of the frog] Sotnikov OS, et al. **Fiziol Zh SSSR** 1985 Dec;71(12):1568–73 (Eng. Abstr.) (Rus)

[Special forms of synaptic junctions in cultures of dissociated mammalian spinal cord and spinal ganglia] Skibo GG, et al. **Neirofiziologiia** 1986;18(1):132–5 (Eng. Abstr.) (Rus)

[Early embryonic synaptogenesis—a key factor in the development of the human brain] Milokhin AA. **Vestn Akad Med Nauk SSSR** 1986;(1):68–76 (Eng. Abstr.) (Rus)

[Ultrastructure of the synaptic junctions between spinal motor neurons in the frog Rana ridibunda] Motorina MV. **Zh Evol Biokhim Fiziol** 1986 Jan–Feb;22(1):55–60 (Eng. Abstr.) (Rus)

SYNAPTIC MEMBRANES

ANALYSIS

Determination of the tissue distributions and relative concentrations of the postsynaptic 43-kDa protein and the acetylcholine receptor in Torpedo. LaRochelle WJ, et al. **J Biol Chem** 1986 Apr 25;261(12):5270–4

Effect of dextran- and poly(ethylene glycol)-bound procion yellow HE-3G on the partition of membranes from calf brain synaptosomes within an aqueous two-phase system. Muiño Blanco MT, et al. **J Chromatogr** 1986 May 16; 358(1):147–58

Solubilization of the benzodiazepine/gamma-aminobutyric acid receptor complex: comparison of the detergents octylglucopyranoside and 3-[(3-cholamidopropyl)-dimethylammonio]1-propanesulfonate (CHAPS). Hammond JR, et al. **J Neurochem** 1986 Oct;47(4):1161–71

Affinity partitioning and centrifugal counter-current distribution of membrane-bound opiate receptors using naloxone-poly(ethylene glycol). Olde B, et al. **Neurosciences** 1985 Aug;15(4):1247–53

[Effect of arachidonic acid on the physical properties of bilayer and annular lipids of synaptic membranes] Merezhinskaia NV, et al. **Biofizika** 1986 May-Jun; 31(3):523–4 (Eng. Abstr.) (Rus)

[Characteristics of the heterogeneity of the physical properties of the lipid phase of synaptic membranes from the rat brain using the fluorescent probe pyrene] Okun' IM, et al. **Biokhimiia** 1986 Jul;51(7):1132–40 (Eng. Abstr.) (Rus)

DRUG EFFECTS

Sedative-hypnotic drugs: interaction with calcium channels. Leslie SW. **Alcohol Drug Res** 1985–86;6(6):371–7

Gangliosides in axolemmal and synaptic membrane fractions from developing rats: effects of maternal ethanol consumption on offspring. Noronha AB, et al. **Alcoholism (NY)** 1985 Dec;9(6):531–4

Ethanol-induced changes in neuronal membrane order. An NMR study. Hitzemann RJ, et al. **Biochim Biophys Acta** 1986 Jul 24;859(2):189–97

Modification of ligand binding to membranes by a soluble acceptor. Alpha-1-acid glycoprotein attenuates 3H-imipramine binding to cerebral membranes. Barkai AI, et al. **Biol Psychiatry** 1986 Aug;21(10):883–8

The effects of purified Mojave toxin on rat synaptic membrane (Ca+2 + Mg+2)-ATPase and the dihydropyridine receptor. Chambers JP, et al. **Brain Res Bull** 1986 May;16(5):639–43

Interaction of ethanol with 111In-labelled membranes: evaluation by the perturbed angular correlation-sum peak ratio method. Jay M, et al. **Drug Alcohol Depend** 1985 Aug; 15(4):341–6

[Biochemical aspects of dependence on alcohol] Nordmann R. **Acta Psychiatr Belg** 1985;85:667–75 (Eng. Abstr.) (Fre)

ENZYMOLOGY

The metabolism of neuropeptides. Phase separation of synaptic membrane preparations with Triton X-114 reveals the presence of aminopeptidase N. Matsas R, et al. **Biochem J** 1985 Oct 15;231(2):445–9

Altered synaptosomal ATPase activity in rat brain following prolonged in vivo treatment with nicotine. Shallom JM, et al. **Biochem Pharmacol** 1985 Oct 1;34(19):3445–9

An endogenous inhibitor protein of synaptic plasma membrane (Ca2+ + Mg2+)-ATPase. Au KS, et al. **Biochim Biophys Acta** 1985 Dec 5;821(2):348–54

Assay of phospholipase A2 activity of synaptic membranes using a phospholipid transfer protein: stimulation by depolarization. Baba A, et al. **Biochim Biophys Acta** 1986 Aug 14;878(1):25–31

A high affinity calcium-stimulated ATPase in synaptic plasma membranes detectable in the presence and absence of exogenous magnesium. Pekovic S, et al. **Brain Res** 1986 Aug 6;379(2):251–6

Post-proline dipeptidyl-aminopeptidase from synaptosomal membranes of guinea-pig brain. A possible role for this activity in the hydrolysis of His-ProNH2, arising from the action of synaptosomal membrane pyroglutamate aminopeptidase on thyroliberin. O'Connor B, et al. **Eur J Biochem** 1986 Jan 15;154(2):329–35

Purification and characterization of a novel neurotensin-degrading peptidase from rat brain synaptic membranes. Checler F, et al. **J Biol Chem** 1986 Aug 25; 261(24):11274–81

Inactivation of neurotensin by rat brain synaptic membranes partly occurs through cleavage at the Arg8-Arg9 peptide bond by a metalloendopeptidase. Checler F, et al. **J Neurochem** 1985 Nov;45(5):1509–13

Solubilization of membrane-bound acetylcholinesterase by a phosphatidylinositol-specific phospholipase C. Futerman AH, et al. **J Neurochem** 1985 Nov;45(5):1487–94

Specific binding of glycosylated beta-galactosidase to bovine brain synaptic membrane. Naoi M, et al. **J Neurochem** 1986 Feb;46(2):655–7

Calcium ATPase activities in synaptic plasma membranes of seizure-prone mice. Palayoor ST, et al. **J Neurochem** 1986 May;46(5):1370–5

Effects in vitro of L-glutamate and kainic acid on the ATPase activities of synaptosomal membranes from different areas of rat brain. Szkudlarek J, et al. **Neurosci Lett** 1986 Apr 24;65(3):304–10

nu 1, a Mr 43,000 component of postsynaptic membranes, is a protein kinase. Gordon AS, et al. **Proc Natl Acad Sci USA** 1986 Jun;83(12):4172–4

METABOLISM

Dissociation of the crotoxin complex promoted by acetylcholine. Canziani GA, et al. **Acta Physiol Pharmacol Latinoam** 1985;35(2):165–80

Sodium-calcium exchange across the synaptic plasma membrane. Gill DL, et al. **Ann NY Acad Sci** 1985;456:250–3

Ion-coupled neurotransmitter transport across the synaptic plasma membrane. Kanner BI, et al. **Ann NY Acad Sci** 1985; 456:153–61 (40 ref.)

Dioctanoylglycerol and phorbol diesters enhance phosphorylation of phosphoprotein B-50 in native synaptic plasma membranes. Eichberg J, et al. **Biochem Biophys Res Commun** 1986 May 14;136(3):1007–12

Differential up-regulation of microsomal and synaptic membrane mu opioid receptors. Moody AM, et al. **Biochem Biophys Res Commun** 1985 Oct 30;132(2):735–41

The mechanism of action of beta-bungarotoxin at the presynaptic plasma membrane. Rugolo M, et al. **Biochem J** 1986 Jan 15;233(2):519–23

A double inhibition kinetic analysis of [3H]-muscimol binding to the gamma-aminobutyric acid receptor on calf brain synaptic membranes. Further studies on the mechanism of homocysteine-induced seizures. Griffiths R, et al. **Biochem Pharmacol** 1985 Oct 1;34(19):3553–9

Phosphoprotein B-50 and phosphoinositides in brain synaptic plasma membranes: a possible feedback relationship. Gispen WH. **Biochem Soc Trans** 1986 Feb;14(1):163–5

Calorimetric and fluorescence characterization of interactions between enkephalins and liposomal and synaptic plasma membranes containing gangliosides. Myers M, et al. **Biochemistry** 1985 Jul 16;24(15):4076–82

Efflux and exchange of glycine by synaptic plasma membrane vesicles derived from rat brain. Aragón MC, et al. **Biochim Biophys Acta** 1986 Feb 27;855(2):257–64

Orientation of synaptic plasma membrane vesicles containing calcium pump and sodium-cascium exchange activities. Gill DL, et al. **Biochim Biophys Acta** 1986 Mar 27;856(1):165–73

The relationship between high-affinity noncatalytic binding of snake venom phospholipases A2 to brain synaptic plasma membranes and their central lethal potencies. Rapuano BE, et al. **Biochim Biophys Acta** 1986 Apr 25;856(3):457–70

A comparison of 2-amino-4-phosphonobutyric acid (AP4) receptors and [3H]AP4 binding sites in the rat brain. Bridges RJ, et al. **Brain Res** 1986 Jun 4;375(1):204–9

Pipecolic acid antagonizes barbiturate-enhanced GABA binding to bovine brain membranes. Feigenbaum P, et al. **Brain Res** 1986 Apr 30;372(1):176–9

Specificity of prostaglandin D2 binding to synaptic membrane fraction of rat brain. Tokumoto H, et al. **Brain Res** 1986 Jan 1;362(1):114–21

Prostaglandin F2 alpha binding on dog brain synaptosomal plasma membranes and its evoked effects on membrane fluidity, (Na+ + K+)-stimulated ATPase and Ca2+-stimulated ATPase activities. Deliconstantinos G. **Cell Mol Biol** 1986;32(2):113–9

Two acceptor sub-types for dendrotoxin in chick synaptic membranes distinguishable by beta-bungarotoxin. Black AR, et al. **Eur J Biochem** 1986 May 2;156(3):609–17

Botulinum neurotoxin type B. Its purification, radioiodination and interaction with rat-brain synaptosomal membranes. Evans DM, et al. **Eur J Biochem** 1986 Jan 15;154(2):409–16

Antidepressive drugs can change the affinity of [3H]imipramine and [3H]paroxetine binding to platelet and neuronal membranes. Plenge P, et al. **Eur J Pharmacol** 1985 Dec 10;119(1-2):1–8

Maternal ethanol consumption: binding of L-glutamate to synaptic membranes from whole brain, cortices, and cerebella of offspring. Kelly GM, et al. **Exp Neurol** 1986 Feb;91(2):219–28

Neurokinin B is hydrolysed by synaptic membranes and by endopeptidase-24.11 (enkephalinase) but not by angiotensin converting enzyme. Hooper NM, et al. **FEBS Lett** 1985 Oct 7;190(1):133–6

Interaction of 125I-labeled botulinum neurotoxins with nerve terminals. I. Ultrastructural autoradiographic localization and quantitation of distinct membrane acceptors for types A and B on motor nerves. Black JD, et al. **J Cell Biol** 1986 Aug;103(2):521–34

Solubilization and partial purification of a presynaptic membrane protein ensuring calcium-dependent acetylcholine release from proteoliposomes. Birman S, et al. **J Neurochem** 1986 Aug;47(2):433–44

Comparative stereostructure-activity studies on GABAA and GABAB receptor sites and GABA uptake using rat brain membrane preparations. Falch E, et al. **J Neurochem** 1986 Sep;47(3):898–903

Ca2+ sensitivity of Ca2+-dependent protein kinase activities toward intrinsic proteins in synaptosomal membrane fragments from rat cerebral tissue. Gower H, et al. **J Neurochem** 1986 Feb;46(2):440–7

Characterization of sodium-dependent [3H]GBR-12935 binding in brain: a radioligand for selective labelling of the dopamine transport complex. Janowsky A, et al. **J Neurochem** 1986 Apr;46(4):1272–6

Phosphorylation of synaptic membrane glycoproteins: the effects of Ca2+ and calmodulin. Kearney KA, et al. **J Neurochem** 1986 Jun;46(6):1683–91

Calmodulin-dependent protein phosphorylation in synaptic junctions. Kelly PT, et al. **J Neurochem** 1985 Nov; 45(5):1620–34

A protein modulator stimulates C kinase-dependent phosphorylation of a 90K substrate in synaptic membranes. Kligman D, et al. **J Neurochem** 1986 Jul;47(1):298–303

Characterization of L-glutamate binding sites in rat spinal cord synaptic membranes: evidence for multiple chloride ion-dependent sites. Mena EE, et al. **J Neurochem** 1986 Oct;47(4):1052–60

Binding of L-[3H]glutamate to fresh or frozen synaptic membrane and postsynaptic density fractions isolated from cerebral cortex and cerebellum of fresh or frozen canine brain. Wu K, et al. **J Neurochem** 1986 Mar;46(3):831–41

Cholinergic modulation of an acetylcholine receptor-like antigen on the surface of chick ciliary ganglion neurons in cell culture. Smith MA, et al. **J Neurosci** 1986 Apr; 6(4):946–53

3H-xylamine binds to presynaptic rat striatal membranes. Cushing SD, et al. **Life Sci** 1986 May 12;38(19):1715–21

Investigation on the metabolism of CCK8 analogues by rat brain slices. Durieux C, et al. **Neuropeptides** 1986 Jan; 7(1):1–9

Gangliosides modulate glutamate receptor binding in rat brain synaptic plasma membranes. Hollmann M, et al. **Neurosci Lett** 1986 Apr 11;65(2):133–8

Fast turnover of clear vesicle membrane in frog sympathetic ganglion. Belhumeur C, et al. **Neuroscience** 1986 Apr; 17(4):1267–74

Characteristics of [D-Trp8]-somatostatin-sensitive B50 phosphorylation. Dokas LA, et al. **Peptides** 1985 Nov-Dec; 6(6):1101–7

Properties and distribution of vasoactive intestinal polypeptide receptors in the rat brain. Ogawa N, et al. **Peptides** 1985;6 Suppl 1:103–9

Effects of guanine nucleotides, transition metals and temperature on enkephalin receptors of rat brain membranes. Ogawa N, et al. **Peptides** 1985;6 Suppl 1:23–8

Characterization of the endocoid for imipramine recognition sites. Barbaccia ML, et al. **Prog Clin Biol Res** 1985; 192:431–40

On the brain endocoid for benzodiazepine recognition sites. Guidotti A, et al. **Prog Clin Biol Res** 1985;192:477–84

Properties of sodium-independent taurine binding to brain synaptic membranes. Kontro P, et al. **Prog Clin Biol Res** 1985;179:249–59

[Are the regulatory cation-binding sites of opiate receptors a part of potential-dependent calcium channels of neuromembranes?] Porodenko NV, et al. **Bioorg Khim** 1985 Jul;11(7):984–6 (Eng. Abstr.) (Rus)

[3H-diazepam binding to brain synaptic membranes during the development of generalized epileptic activity] Bordiukov MM, et al. **Biull Eksp Biol Med** 1985 Dec; 100(12):686–8 (Eng. Abstr.) (Rus)

[Detection, in synaptic membranes of proteins, specific substrates for endogenous phosphorylation in the presence of GTP] Kondrat'ev VE, et al. **Ukr Biokhim Zh** 1986 May-Jun;58(3):3–8 (Eng. Abstr.) (Rus)

PATHOLOGY

On the use of nuclear magnetic resonance spectroscopy (NMR) to study the mechanism(s) of ethanol action. Kreishman G, et al. **Alcohol Drug Res** 1985–86;6(1):1–13 (26 ref.)

PHYSIOLOGY

Membrane fluidity and alcohol dependence. Le Bourhis B, et al. **Alcoholism (NY)** 1986 Jun;10(3):337–42

1H-NMR spectra of rat synaptic plasma membranes: effect of temperature and comparison with fluorescence polarization. Kreishman GP, et al. **Brain Res** 1985 Sep 30; 344(1):162–6

Developmental changes in synaptic membrane order: a comparison of regions in the rat brain. Rauch SL, et al. **Brain Res** 1986 May;391(2):221–7

[Postnatal development of synaptic transmission in rat jaw-opener motoneurons and electrical properties of their membrane] Iriki A. **Kokubyo Gakkai Zasshi** 1985 Dec; 52(4):617–28 (Eng. Abstr.) (Jpn)

ULTRASTRUCTURE

Large myelinated club endings on the Mauthner cell in the goldfish. A study with thin sectioning and freeze-fracturing. Kohno K, et al. **Anat Embryol (Berl)** 1986;173(3):361–70

"Cholinergic" postsynaptic membranes of bullfrog sympathetic ganglia: electron microscopy of thin sections and freeze-fracture replicas. Watanabe H, et al. **Anat Rec** 1986 Jan;214(1):82–8

Isolation of postsynaptic densities from day-old chicken brain. Murakami K, et al. **J Neurochem** 1986 Feb; 46(2):340–8

Noradrenergic hyperinnervation of the motor trigeminal nucleus: alterations in membrane properties and responses to synaptic input. Vornov JJ, et al. **J Neurosci** 1986 Jan; 6(1):30–7

Innervation and membrane specialization at neuromuscular junctions in submaxillaris muscle of the frog. Verma V. **J Ultrastruct Res** 1984 May;87(2):136–48

Instability of brain synaptosomal membrane preparations to repeated ultracentrifugation in isoosmotic density gradients. Matthews JC. **Life Sci** 1985 Dec 30;37(26):2467–73

[Ultrastructural and biochemical characteristics of synaptic membrane subfractions isolated from light and heavy brain synaptosomes] Bogolepov NN, et al. **Arkh Anat Gistol Embriol** 1985 Nov;89(11):88–93 (Rus)

SYNAPTIC RECEPTORS

Neuroendocrine peptide hormones and their receptors in the immune system. Production, processing and action. Blalock JE, et al. **J Neuroimmunol** 1985 Nov;10(1):31–40 (44 ref.)

ANALYSIS

Mistletoe lectin I binding sites on the synaptosomes of the rat cerebral cortex. Ichev K, et al. **Acta Histochem (Jena)** 1985;77(2):133–8

Neurotransmitter receptor mapping by autoradiography and other methods. Kuhar MJ, et al. **Annu Rev Neurosci** 1986; 9:27–59

Neuronal receptors. Snyder SH. **Annu Rev Physiol** 1986; 48:461–71 (70 ref.)

Identification of selective, high affinity [125I]-angiotensin and [125I]-bradykinin binding sites in rat intestinal epithelia. Cox HM, et al. **Br J Pharmacol** 1986 Jan; 87(1):201–9

Diurnal rhythms in neurotransmitter receptor binding and choline acetyltransferase activity: different patterns in two rat lines of Wistar origin. Jenni-Eiermann S, et al. **Brain Res** 1986 Apr 2;370(1):54–60

The laminar distributions and postnatal development of neurotransmitter and neuromodulator receptors in cat visual cortex. Shaw C, et al. **Brain Res Bull** 1986 May; 16(5):661–71 (109 ref.)

Cultured neurons as model systems for biochemical and pharmacological studies on receptors for neurotransmitter amino acids. Schousboe A, et al. **Dev Neurosci** 1985; 7(5–6):252–62 (56 ref.)

Proteolytic fragments identified with domains of the aspartate chemoreceptor. Mowbray SL, et al. **J Biol Chem** 1985 Sep 25;260(21):11711–8

Characterization and autoradiographic localization of multiple tachykinin binding sites in gastrointestinal tract and bladder. Burcher E, et al. **J Pharmacol Exp Ther** 1986 Mar;236(3):819–31

Pharmacological and autoradiographic discrimination of sigma and phencyclidine receptor binding sites in brain with (+)-[3H]SKF 10,047, (+)-[3H]-3-[3-hydroxyphenyl]-N-(1-propyl)piperidine and [3H]-1-[1-(2-thienyl)cyclohexyl]piperidine. Largent BL, et al. **J Pharmacol Exp Ther** 1986 Aug;238(2):739–48

Identification and characterization of substance P receptors on LRM55 glial cells. Perrone MH, et al. **J Pharmacol Exp Ther** 1986 Aug;238(2):389–95

Characterization and autoradiographic visualization of (+)-[3H]SKF10,047 binding in rat and mouse brain: further evidence for phencyclidine/"sigma opiate" receptor

commonality. Sircar R, et al. J Pharmacol Exp Ther 1986 May;237(2):681–8
Pharmacologically distinct glutamate receptors on cerebellar granule cells. Drejer J, et al. Life Sci 1986 Jun 9; 38(23):2077–85
Receptors on individual neurones. North RA. Neuroscience 1986 Apr;17(4):899–907 (64 ref.)
Effects of weightlessness on neurotransmitter receptors in selected brain areas. Miller JD, et al. Physiologist 1985 Dec; 28(6 Suppl):S203–4
On the orientation of foreign neurotransmitter receptors in Xenopus oocytes. Parker I, et al. Proc R Soc Lond [Biol] 1985 Dec 23;226(1244):263–9
[Radioautographic localization of neuropeptide receptors in the central nervous system] Rostene W, et al. Ann Endocrinol (Paris) 1985;46(1):27–33 (Eng. Abstr.) (Fre)
[Molecular modeling of the structure of barbiturate receptors] Höltje HD. Arch Pharm (Weinheim) 1986 Jun;319(6):570–2 (Ger)

BIOSYNTHESIS

Induction of glutamate binding sites in hippocampal membranes by transient exposure to high concentrations of glutamate or glutamate analogs. Kessler M, et al. J Neurosci 1986 Feb;6(2):355–63

CLASSIFICATION

Different receptors are involved in the endothelium–mediated relaxation and the smooth muscle contraction of the rabbit pulmonary artery in response to substance P and related neurokinins. D'Orléans–Juste P, et al. Eur J Pharmacol 1986 Jun 5;125(1):37–44
Is there a basis for distinguishing two types of P2–purinoceptor? Burnstock G, et al. Gen Pharmacol 1985; 16(5):433–40 (77 ref.)
Neurotransmission. Are there two functional classes of glutamate receptors? [news] Stevens CF. Nature 1986 Jul 17–23;322(6076):210–1
Differentiation of pre– and post–synaptic high affinity serotonin receptor binding sites using physico–chemical parameters and modifying agents. Hall MD, et al. Neurochem Res 1986 Jun;11(6):891–912

DRUG EFFECTS

Effects of remoxipride and some related new substituted salicylamides on rat brain receptors. Hall H, et al. Acta Pharmacol Toxicol (Copenh) 1986 Jan;58(1):61–70
Presynaptic inhibition of acetylcholine release. Aas P, et al. Acta Physiol Scand 1986 Jul;127(3):335–42
Blockade of substance P receptors inhibits non–nicotinic, non–adrenergic colonic contractions induced by stimulation of the lumbar sympathetic nerves to the feline large intestine. Fändriks L, et al. Acta Physiol Scand 1985 Aug;124(4):565–71
Chlormethiazole—mode of action. Ogren SO. Acta Psychiatr Scand [Suppl] 1986;329:13–27
Separate purinoceptors mediate enhancement by adenosine of concanavalin A–induced mediator release and the cyclic AMP response in rat mast cells. Hughes PJ, et al. Agents Actions 1986 Apr;18(1–2):81–4
Effect of chronic ethanol consumption on human and animal receptor plasticity during aging. Govoni S, et al. Alcohol Drug Res 1985–86;6(6):441–8
Phencyclidine–like catalepsy induced by the excitatory amino acid antagonist DL–2–amino–5–phosphonovalerate. Koek W, et al. Behav Brain Res 1986 Mar;19(3):257–9
Differential regulation of multiple neuroreceptors in a somatic cell hybrid by inhibitors of glycoprotein processing. McLawhon RW, et al. Biochem Biophys Res Commun 1986 Feb 13;134(3):1387–94
Purine nucleotides inhibit the binding of DL–[3H] 2–amino–4–phosphonobutyrate (DL–[3H] APB) to L–glutamate–sensitive sites on rat brain membranes. Butcher SP, et al. Biochem Pharmacol 1986 Mar 15; 35(6):991–4
Modification of ligand binding to membranes by a soluble acceptor. Alpha–1–acid glycoprotein attenuates 3H–imipramine binding to cerebral membranes. Barkai AI, et al. Biol Psychiatry 1986 Aug;21(10):883–8
The physiological and pharmacological role of presynaptic alpha– and beta–adrenoceptors in man. Brown MJ, et al. Br J Clin Pharmacol 1985 Dec;20(6):649–58
Adenosine inhibits epileptiform activity arising in hippocampal area CA3. Ault B, et al. Br J Pharmacol 1986 Apr;87(4):695–703
An examination of the pharmacology of two substance P antagonists and the evidence for tachykinin receptor subtypes. Bailey SJ, et al. Br J Pharmacol 1986 Jan; 87(1):79–85
Cl–/Ca2+–dependent L–glutamate binding sites do not correspond to 2–amino–4–phosphonobutanoate–sensitive excitatory amino acid receptors. Fagg GE, et al. Br J Pharmacol 1985 Nov;86(3):743–51
N–methyl D–aspartate acts as an antagonist of the photoreceptor transmitter in the carp retina. Ariel M, et al. Brain Res 1986 Apr 30;372(1):143–8
Desensitization to glutamate and aspartate in rat olfactory (prepyriform) cortex slice. Braitman DJ. Brain Res 1986 Jan 29;364(1):199–203
A quantitative estimate of the contribution made by various receptor categories to the depolarizations evoked by some excitatory amino acids in the olfactory cortex. Collins GG, et al. Brain Res 1986 Apr 16;371(1):9–16
The effect of lectins on desensitisation of locust muscle glutamate receptors. Evans ML, et al. Brain Res 1985 Dec 9;358(1–2):34–9
The induction and modification of voltage–sensitive responses in cat neocortical neurons by N–methyl–D–aspartate. Flatman JA, et al. Brain Res 1986 Jan 15;363(1):62–77
Spider toxin (JSTX) blocks glutamate synapse in hippocampal pyramidal neurons. Saito M, et al. Brain Res 1985 Nov 4;346(2):397–9
A new potent channel blocker: effects on glutamate responses at the crayfish neuromuscular junction. Shinozaki H, et al. Brain Res 1986 May 7;372(2):260–8
Evidence that excitatory amino acids not only activate the receptor channel complex but also lead to use–dependent block. Vyklický L, et al. Brain Res 1986 Jan 15; 363(1):148–51
Interaction of pitrazepin with the GABA/benzodiazepine receptor complex and with glycine receptors. Braestrup C, et al. Eur J Pharmacol 1985 Nov 26;118(1–2):115–21
Effect of BM–5, a presynaptic antagonist–postsynaptic agonist, on cortical acetylcholine release. Casamenti F, et al. Eur J Pharmacol 1986 Mar 18;122(2):288–90
Clonidine–evoked selective P1–purinoceptor antagonism of contraction of guinea–pig urinary bladder. Katsuragi T, et al. Eur J Pharmacol 1986 Feb 11;121(1):119–22
The actions of kinin antagonists on B1 and B2 receptor systems. Regoli D, et al. Eur J Pharmacol 1986 Apr 9; 123(1):61–5
A differentiation between peripheral and central neurokinin receptors using phenoxybenzamine. Vaught JL, et al. Eur J Pharmacol 1986 Jun 24;125(3):325–31
Differential effects of antidepressant drugs on [3H]dihydroalprenolol and [3H]imipramine ligand recognition sites in olfactory bulbectomized and sham–lesioned rats. Jesberger JA, et al. Gen Pharmacol 1986;17(3):293–307
Polyphosphoinositide hydrolysis in endothelial cells and carotid artery segments. Bradykinin–2 receptor stimulation is calcium–independent. Derian CK, et al. J Biol Chem 1986 Mar 15;261(8):3831–7
Chronic effects of fluoxetine, a selective inhibitor of serotonin uptake, on neurotransmitter receptors. Wong DT, et al. J Neural Transm 1985;64(3–4):251–69
Parallel antagonism of synaptic transmission and kainate/quisqualate responses in the hippocampus by piperazine–2,3–dicarboxylic acid analogs. Ganong AH, et al. J Neurosci 1986 Apr;6(4):930–7
Rat brain alpha 2–pre– and postsynaptic receptors are different or differently modulated? Cerrito F, et al. J Neurosci Res 1985;14(4):423–31
Kynurenic acid and quinolinic acid act at N–methyl–D–aspartate receptors in the rat hippocampus. Ganong AH, et al. J Pharmacol Exp Ther 1986 Jan; 236(1):293–9
Metaphit, a proposed phencyclidine receptor acylator: phencyclidine–like behavioral effects and evidence of absence of antagonist activity in pigeons and in rhesus monkeys. Koek W, et al. J Pharmacol Exp Ther 1986 May; 237(2):386–92
Presynaptic beta–adrenoceptors. Misu Y, et al. Med Res Rev 1986 Apr–Jun;6(2):197–225 (185 ref.)
Conformationally constrained tachykinin analogs which are selective ligands for the eledoisin binding site. Cascieri MA, et al. Mol Pharmacol 1986 Jan;29(1):34–8
Functional characterization of substance P receptors in the rabbit ear artery. Illes P, et al. Naunyn Schmiedebergs Arch Pharmacol 1986 May; 333(1):52–8
Dihydroergocristine–induced stimulation of the 5–HT autoreceptor in the hypothalamus of the rat. Moret C, et al. Neuropharmacology 1986 Feb;25(2):169–74
Interaction of 4–aminopyridine with [3H]phencyclidine receptors in rat brain homogenates. Lai WS, et al. Neurosci Lett 1986 Jun 6;67(1):87–91
Comparison of responses to transmitter candidates at an N–methylaspartate receptor mediated synapse, in slices of rat cerebral cortex. Thomson AM. Neuroscience 1986; 17(1):37–47
Mode of action of excitatory amino acid receptor antagonists on hippocampal long–lasting potentiation. Wigström H, et al. Neuroscience 1986 Apr;17(4):1105–15
Morphine dependence and protracted abstinence: regional alterations in CNS radioligand binding. Carlson KR, et al. Pharmacol Biochem Behav 1985 Dec;23(6):1059–63
Electroencephalographic investigations in rabbits of drugs acting at GABA–benzodiazepine–barbiturate/picrotoxin receptors complex. Massotti M. Pharmacol Biochem Behav 1985 Oct;23(4):661–70
The curve–shift paradigm in self–stimulation. Miliaressis E, et al. Physiol Behav 1986;37(1):85–91
Preliminary pharmacological investigation on 38 aminophosphonic acids and their derivatives. Kleinrok Z, et al. Pol J Pharmacol Pharm 1985 Sep–Oct;37(5):575–84
Human serum Cohn fraction IV (alpha–globin enriched) inhibits ligand binding at neurotransmitter receptors in human brain. Andorn AC, et al. Proc Natl Acad Sci USA 1986 Jun;83(12):4572–5
Neurokinin B is a preferred agonist for a neuronal substance P receptor and its action is antagonized by enkephalin. Laufer R, et al. Proc Natl Acad Sci USA 1985 Nov; 82(21):7444–8
[Neuroleptics in psychogeriatrics. A proposal for a more rational prescription policy] Willekens–Bogaers MA, et al. Tijdschr Gerontol Geriatr 1985 Oct;16(5):179–89 (Eng. Abstr.) (Dut)
[In vivo and in vitro study of (N–piperidinomethyl)–2–chromanne on pre– and postsynaptic alpha–adrenoreceptors in the rat] Mouillé P, et al. J Pharmacol 1985 Apr–Jun;16(2):181–9 (Eng. Abstr.) (Fre)
[The effect of neuromuscular blocking agents on the pre–and postjunctional receptors at the neuromuscular junction] Amaki Y. Masui 1985 Sep;34(9):1185–93 (45 ref.) (Eng. Abstr.) (Jpn)
[Vasoconstrictor responses of isolated pig coronary arteries] Ikenoue K, et al. Nippon Yakurigaku Zasshi 1986 Mar; 87(3):281–90 (Eng. Abstr.) (Jpn)
[Antidepressant drugs and central monoaminergic receptors] Asakura M, et al. Yakubutsu Seishin Kodo 1985 Dec; 5(4):303–19 (143 ref.) (Eng. Abstr.) (Jpn)
[Effect of excitant amino acid antagonists on glutamate receptors in the locust and on convulsions induced by glutamate, aspartate, kynurenine and quinolinic acid in mice] Ryzhov IV, et al. Biull Eksp Biol Med 1986 Mar; 101(3):322–5 (Eng. Abstr.) (Rus)
[Presynaptic effects of anticholinesterase substances in the sympathetic ganglia] Bol'shakov VIu, et al. Dokl Akad Nauk SSSR 1985;285(3):731–4 (Rus)
[Mechanism of action of kainic acid on L–glutamate receptors of pyramidal neurons in the rat hippocampus] Kiskin NI, et al. Dokl Akad Nauk SSSR 1985;285(5):1221–4 (Rus)
[Pharmacological analysis of the serotonin– and glutamatergic mechanisms in the suppressive effect of neuroleptics on the pedal self–stimulation of the ventral tectum of the midbrain] Talalaenko AN, et al. Farmakol Toksikol 1986 May–Jun;49(3):40–3 (Eng. Abstr.) (Rus)

GENETICS

Characterization of Escherichia coli chemotaxis receptor mutants with null phenotypes. Mutoh N, et al. J Bacteriol 1986 Sep;167(3):992–8

IMMUNOLOGY

Monoclonal antibodies as tools for the study of membrane receptors. Strosberg AD. Biochem Soc Trans 1985 Dec; 13(6):1106–7

ISOLATION & PURIFICATION

Selective solubilization of physalaemin–type substance P binding sites from rat brain membranes by glycodeoxycholate and NaCl. Maruyama M. Brain Res 1986 Apr 2;370(1):186–90
Purification and characterization of the aspartate chemoreceptor. Foster DL, et al. J Biol Chem 1985 Sep 25;260(21):11706–10

METABOLISM

Cholinergic, opioid and glycine receptor binding sites localized in human spinal cord by in vitro autoradiography. Changes in amyotrophic lateral sclerosis. Gillberg PG, et al. Acta Neurol Scand 1985 Sep;72(3):299–306
Effects of N–ethylmaleimide and forskolin on glutamate release from rat hippocampal slices. Evidence that prejunctional adenosine receptors are linked to N–proteins, but not to adenylate cyclase. Fredholm BB, et al. Acta Physiol Scand 1986 Jul;127(3):381–6
Benzodiazepine/barbiturate/GABA receptor–chloride ionophore complex in a genetic model for generalized epilepsy. Olsen RW, et al. Adv Neurol 1986;44:365–78 (100 ref.)
Receptors for mammalian tachykinins on isolated intestinal smooth muscle cells. Souquet JC, et al. Am J Physiol 1985 Oct;249(4 Pt 1):G533–8
Interaction of piracetam with several neurotransmitter receptors in the central nervous system. Relative specificity for 3H–glutamate sites. Bering B, et al. Arzneimittelforschung 1985;35(9):1350–2
Regional heterogeneity of rat brain phencyclidine (PCP) receptors revealed by photoaffinity labeling with [3H] azido phencyclidine. Haring R, et al. Biochem Biophys Res Commun 1985 Sep 30;131(3):1117–23
A guanine nucleotide–dependent regulatory protein couples substance P receptors to phospholipase C in rat parotid gland. Taylor CW, et al. Biochem Biophys Res Commun 1986 Apr 14;136(1):362–8
Effects of abnormal metabolites of maple syrup urine disease on neurotransmitter receptor binding. Dwivedi C, et al. Biochem Med Metab Biol 1986 Jun;35(3):275–8
Neurotensin and its analogs—correlation of specific binding with stimulation of cyclic GMP formation in neuroblastoma clone N1E–115. Gilbert JA, et al. Biochem Pharmacol 1986 Feb 1;35(3):391–7
Identification of polypeptides of the phencyclidine receptor of rat hippocampus by photoaffinity labeling with [3H]azidophencyclidine. Haring R, et al. Biochemistry 1986 Feb 11;25(3):612–20
Molecular structure of rat brain apamin receptor: differential

photoaffinity labeling of putative K+ channel subunits and target size analysis. Seagar MJ, et al. **Biochemistry** 1986 Jul 15;25(14):4051–7

Seasonal variation of platelet serotonin uptake and 3H–imipramine binding in normal and depressed subjects. Egrise D, et al. **Biol Psychiatry** 1986 Mar;21(3):283–92

Lack of seasonal variation in platelet [3H]imipramine binding in humans. Galzin AM, et al. **Biol Psychiatry** 1986 Aug; 21(10):876–82

Development of glutamate binding sites in the visual structures of the rat brain. Effect of visual pattern deprivation. Schliebs R, et al. **Biomed Biochim Acta** 1986; 45(4):495–506

Single channel kinetics of a glutamate receptor. Kerry CJ, et al. **Biophys J** 1986 Aug;50(2):367–74

Identification of glycinergic synapses in the cochlear nucleus through immunocytochemical localization of the postsynaptic receptor. Altschuler RA, et al. **Brain Res** 1986 Mar 26;369(1–2):316–20

Neurotensin–like immunoreactivity and neurotensin receptors in the rat hypothalamus and in the neurointermediate lobe of the pituitary gland. Goedert M, et al. **Brain Res** 1985 Dec 9;358(1–2):59–69

Decreased neurotransmitter receptor binding in striatum and cortex from adult hypothyroid rats. Kalaria RN, et al. **Brain Res** 1986 Feb 5;364(2):268–74

Deafferentation causes a loss of presynaptic bombesin receptors and supersensitivity of substance P receptors in the dorsal horn of the cat spinal cord. Massari VJ, et al. **Brain Res** 1985 Sep 23;343(2):268–74

Distribution of kainic acid receptor binding sites in the goldfish CNS: evidence for the existence of intracellular sites. Migani P, et al. **Brain Res** 1986 Jun 18;376(1):186–9

[3H] kainic acid binding sites in the synaptosomal–mitochondrial (P2) fraction from goldfish brain. Migani P, et al. **Brain Res** 1985 Dec 30; 361(1–2):36–45

Increased density of substance P binding sites in specific brainstem nuclei of spontaneously hypertensive rats. Shigematsu K, et al. **Brain Res** 1986 Apr 9;370(2):383–7

Autoradiographic localization of receptors in the cochlear nucleus of the mouse. Frostholm A, et al. **Brain Res Bull** 1986 Feb;16(2):189–203

Glycine receptor distribution in mouse CNS: autoradiographic localization of [3H]strychnine binding sites. Frostholm A, et al. **Brain Res Bull** 1985 Nov; 15(5):473–86

Relationship between levels and uptake of serotonin and high affinity [3H]imipramine recognition sites in the rat brain. Hrdina PD, et al. **Can J Physiol Pharmacol** 1985 Oct; 63(10):1239–44

Neurotransmitter receptor binding studies predict antiemetic efficacy and side effects. Ison PJ, et al. **Cancer Treat Rep** 1986 May;70(5):637–41

Evidence for an interaction between GABAB and glutamate receptors in astrocytes as revealed by changes in Ca2+ flux. Albrecht J, et al. **Eur J Pharmacol** 1986 Jun 24; 125(3):463–4

Stereoselectivity of the histamine H3–presynaptic autoreceptor. Arrang JM, et al. **Eur J Pharmacol** 1985 Oct 29;117(1):109–14

[3H]imipramine displacement and 5HT uptake inhibition by tryptoline derivatives: in rat brain 5–methoxytryptoline is not the autacoid for [3H]imipramine recognition sites. Barbaccia ML, et al. **Eur J Pharmacol** 1986 Apr 9; 123(1):45–52

High and low affinity [3H]imipramine binding sites in control and parkinsonian brains. Cash R, et al. **Eur J Pharmacol** 1985 Oct 29;117(1):71–80

Stereotyped behavior correlates better than ataxia with phencyclidine–receptor interactions. Contreras PC, et al. **Eur J Pharmacol** 1986 Feb 11;121(1):9–18

Phencyclidine binding sites in the nucleus accumbens and phencyclidine–induced hyperactivity are decreased following lesions of the mesolimbic dopamine system. French ED, et al. **Eur J Pharmacol** 1985 Oct 8;116(1–2):1–9

Phencyclidine and sigma opiate receptors in brain: biochemical and autoradiographical differentiation. Gundlach AL, et al. **Eur J Pharmacol** 1985 Jul 31; 113(3):465–6

Specific recognition of SP or NKB receptors by analogues of SP substituted at positions 8 and 9. Lavielle S, et al. **Eur J Pharmacol** 1986 Jun 24;125(3):461–2

Radioligand binding to central phencyclidine recognition sites is dependent on excitatory amino acid receptor agonists. Loo P, et al. **Eur J Pharmacol** 1986 Apr 29; 123(3):467–8

High correlation between the localization of [3H]TCP binding and NMDA receptors. Maragos WF, et al. **Eur J Pharmacol** 1986 Apr 9;123(1):173–4

Tachykinin receptors in smooth muscles: a study with agonists (substance P, neurokinin A) and antagonists. Mizrahi J, et al. **Eur J Pharmacol** 1985 Nov 26; 118(1–2):25–36

Substance P receptors in bovine brain membranes are coupled to GTP inhibitory binding protein. Tanaka H, et al. **Eur J Pharmacol** 1986 Jun 5;125(1):157–8

Differentiation of [3H]phencyclidine and (+)–[3H]SKF–10,047 binding sites in rat cerebral cortex. Goldman ME, et al. **FEBS Lett** 1985 Oct 14;190(2):333–6

Quantitative autoradiographic localization of neurotensin binding sites in lean and obese Zucker rats. Rostène WH, et al. **Horm Metab Res** 1985 Dec;17(12):692–3

Tritiated imipramine binding to platelets in manic subjects. Lewis DA, et al. **J Affective Disord** 1985 Nov;9(3):207–11

Characterization of a neurokinin B receptor site in rat brain using a highly selective radioligand. Laufer R, et al. **J Biol Chem** 1986 Aug 5;261(22):10257–63

Kinetics of receptor modification. The multiply methylated aspartate receptors involved in bacterial chemotaxis. Terwilliger TC, et al. **J Biol Chem** 1986 Aug 15; 261(23):10814–20

Laminar distribution of receptors in monkey (Macaca fascicularis) geniculostriate system. Shaw C, et al. **J Comp Neurol** 1986 Jun 15;248(3):301–12

Effect of seizures induced by intra–amygdaloid kainic acid on kainic acid binding sites in rat hippocampus and amygdala. Berger ML, et al. **J Neurochem** 1986 Sep; 47(3):720–7

Glycine antagonists structurally related to 4,5,6,7–tetrahydroisoxazolo [5,4–c]pyridin–3–ol inhibit binding of [3H]strychnine to rat brain membranes. Braestrup C, et al. **J Neurochem** 1986 Sep;47(3):691–6

Characterization of L–glutamate binding sites in rat spinal cord synaptic membranes: evidence for multiple chloride ion–dependent sites. Mena EE, et al. **J Neurochem** 1986 Oct;47(4):1052–60

Elevated density of [3H]imipramine binding in aged human brain. Severson JA, et al. **J Neurochem** 1985 Nov; 45(5):1382–9

The glycine receptor deficiency of the mutant mouse spastic: evidence for normal glycine receptor structure and localization. Becker CM, et al. **J Neurosci** 1986 May; 6(5):1358–64

N–methyl–D–aspartate receptor antagonists reduce synaptic excitation in the hippocampus. Hablitz JJ, et al. **J Neurosci** 1986 Jan;6(1):102–6

Changes in 3H–substance P receptor binding in the rat brain after kainic acid lesion of the corpus striatum. Mantyh PW, et al. **J Neurosci** 1986 Jun;6(6):1537–44

Ontogeny of substance P receptor binding sites in rat brain. Quirion R, et al. **J Neurosci** 1986 Aug;6(8):2187–99

Functional substance P receptors on a rat pancreatic acinar cell line. Womack MD, et al. **J Neurosci** 1985 Dec; 5(12):3370–8

Neurotransmitter receptor autoradiography in immunohistochemically identified neurons. Ariano MA, et al. **J Neurosci Methods** 1985 Oct;15(1):49–61

Metaphit, an acylating ligand for phencyclidine receptors: characterization of in vivo actions in the rat. Contreras PC, et al. **J Pharmacol Exp Ther** 1986 Sep;238(3):1101–7

Motor effect of neurokinins on the rat duodenum: evidence for the involvement of substance K and substance P receptors. Maggi CA, et al. **J Pharmacol Exp Ther** 1986 Jul;238(1):341–51

Activation of micturition reflex by substance P and substance K: indirect evidence for the existence of multiple tachykinin receptors in the rat urinary bladder. Maggi CA, et al. **J Pharmacol Exp Ther** 1986 Jul;238(1):259–66

Two bradykinin binding sites with picomolar affinities. Manning DC, et al. **J Pharmacol Exp Ther** 1986 May; 237(2):504–12

Canine limbic system substance P receptors. Desiderio DM, et al. **J Recept Res** 1986;6(2):141–53

Displaceable binding of [3H]–glutamic acid to non–receptor materials. Ito M, et al. **Life Sci** 1986 Mar 24;38(12):1089–96

Solubilization of quisqualate–sensitive L–[3H]glutamate binding sites from guinea pig brain membranes using a zwitterionic detergent. Koshiya K. **Life Sci** 1985 Oct 14; 37(15):1373–9

Behavioral and receptor binding studies of phencyclidine (PCP) and lithium interaction in the rat. Mattia A, et al. **Life Sci** 1986 Mar 17;38(11):975–84

Agonistic and antagonistic effects of PCP–derivatives and sigma opioids in PCP behavioral and receptor assays. Contreras PC, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;64:80–93

Isolation and identification of an endogenous ligand for the phencyclidine receptor. DiMaggio DA, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;64:24–36

Characterization of phencyclidine and sigma receptor–binding sites in brain. Gundlach AL, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;64:1–13

Electrophilic affinity ligands for the phencyclidine (PCP) receptor. Lessor RA, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;67:138–44

Electroencephalographic (EEG), psychopharmacological, and receptor–binding profiles of 'phencyclinoids'. Mattia A, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986; 64:94–111

Further evidence of phencyclidine/sigma opioid receptor commonality. Sircar R, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;64:14–23

Selective impairment of learning and blockade of long–term potentiation by an N–methyl–D–aspartate receptor antagonist, AP5. Morris RG, et al. **Nature** 1986 Feb 27–Mar 5;319(6056):774–6

Expression of apamin receptor in muscles of patients with myotonic muscular dystrophy. Renaud JF, et al. **Nature** 1986 Feb 20–26;319(6055):678–80

Is inhibition of striatal synaptosomal tyrosine hydroxylation by dopamine agonists a measure of dopamine autoreceptor function? Fowler CJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Oct; 331(1):12–9

Neurotransmitter receptors in olivopontocerebellar atrophy: an autoradiographic study. Whitehouse PJ, et al. **Neurology** 1986 Feb;36(2):193–7

Influence of the amino acids of substance P in the recognition of its receptor: affinities of synthesized SP analogues for the specific 125I–BHSP binding site on rat brain synaptosomes. Lavielle S, et al. **Neuropeptides** 1986 Feb–Mar;7(2):191–200

Chronic iminodipropionitrile (IDPN) causes no changes in the rat brain phencyclidine (PCP) receptor. Rothman RB, et al. **Neuropeptides** 1986 Apr;7(3):259–63

Examination of the relationship between the uptake system for 5–hydroxytryptamine and the high–affinity [3H]imipramine binding site—I. Inhibition by drugs. Wood MD, et al. **Neuropharmacology** 1986 May;25(5):519–25

Autoradiographic distribution of phencyclidine receptors in the rat brain using [3H]1–(1–(2–thienyl)cyclohexyl)piperidine ([3H]TCP). Contreras PC, et al. **Neurosci Lett** 1986 Jun 18;67(2):101–6

Gangliosides modulate glutamate receptor binding in rat brain synaptic plasma membranes. Hollmann M, et al. **Neurosci Lett** 1986 Apr 11;65(2):133–8

Calcium discriminates two [3H]kainate binding sites with different molecular target sizes in rat cortex. Honoré T, et al. **Neurosci Lett** 1986 Mar 28;65(1):47–52

Are sulfhydryl groups essential for function of the glutamate–operated receptor–ionophore complex? Kiskin NI, et al. **Neurosci Lett** 1986 May 23;66(3):305–10

Long–term potentiation of synaptic transmission in the dentate gyrus: increased release of [14C]glutamate without increase in receptor binding. Lynch MA, et al. **Neurosci Lett** 1985 Nov 20;62(1):123–9

The presence of N–methyl–D–aspartate–type receptors for glutamic acid in the guinea pig myenteric plexus. Moroni F, et al. **Neurosci Lett** 1986 Jul 11;68(1):57–62

[3H]glutamate binding sites in the rat pituitary. Yoneda Y, et al. **Neurosci Res** 1986 Jul;3(5):430–5

The distribution of glycine receptors in the human brain. A light microscopic autoradiographic study using [3H]strychnine. Probst A, et al. **Neuroscience** 1986; 17(1):11–35

The rat submaxillary gland contains predominantly P–type tachykinin binding sites. Buck SH, et al. **Peptides** 1985 Nov–Dec;6(6):1079–84

Covalent labeling of neurotensin receptors in rat gastric fundus plasma membranes. Mazella J, et al. **Peptides** 1985 Nov–Dec;6(6):1137–41

Amitriptylinoxide: receptor–binding profile compared with other antidepressant drugs. Borbe HO, et al. **Pharmacopsychiatry** 1985 Sep;18(5):314–9

Dopaminergic control of 125I–labeled neurotensin binding site density in corticolimbic structures of the rat brain. Herve D, et al. **Proc Natl Acad Sci USA** 1986 Aug; 83(16):6203–7

Surface structure recognized for covalent modification of the aspartate receptor in chemotaxis. Terwilliger TC, et al. **Proc Natl Acad Sci USA** 1986 Sep;83(18):6707–10

Characterization of endogenous inhibitors of [3H]–imipramine binding and [3H]–serotonin uptake from rat serum. Angel I, et al. **Prog Clin Biol Res** 1985; 192:457–64

Characterization of the endocoid for imipramine recognition sites. Barbaccia ML, et al. **Prog Clin Biol Res** 1985; 192:431–40

Evidence for an endogenous peptide ligand and antagonist for PCP receptors. Contreras PC, et al. **Prog Clin Biol Res** 1985;192:495–8

The low affinity taurine–binding protein may be related to the insulin receptor. Kulakowski EC, et al. **Prog Clin Biol Res** 1985;179:127–36

5–methoxytryptoline and close analogs as candidates for the endogenous ligand of the 3H–imipramine recognition site. Langer SZ, et al. **Prog Clin Biol Res** 1985;192:441–55

Demonstration of an imipramine endacoid in rat brain. Rehavi M, et al. **Prog Clin Biol Res** 1985;192:465–72

Imipramine binding sites on platelets of patients with major depressive disorder. Carstens ME, et al. **Psychiatry Res** 1986 Aug;18(4):333–42

Platelet 3H–imipramine binding in bipolar patients. Muscettola G, et al. **Psychiatry Res** 1986 Aug;18(4):343–53

Guanine nucleotides regulate [3H]substance P binding in rat small intestine. Smith KE, et al. **Regul Pept** 1985 Aug; 11(4):275–85

[Advances in the field of receptors] Krulik R. **Cesk Psychiatr** 1985 Dec;81(6):381–6 (Eng. Abstr.) (Cze)

[Preparation of iodinated standards for quantitative radioautography in vitro using a tritium–sensitive film] Rostène W, et al. **C R Acad Sci [III]** 1985;301(5):245–50 (Eng. Abstr.) (Fre)

[Binding of tritiated imipramine to human platelets. 1 or several binding sites?] Scotto di Tella AM, et al. **Encephale** 1986 Jan–Feb;12(1):13–7 (Eng. Abstr.) (Fre)

[Neurotoxin of the black widow spider and its interaction with receptors from the rat brain] Ushkarev IuA, et al. **Bioorg Khim** 1986 Jan;12(1):71–80 (Eng. Abstr.) (Rus)

[Effect of chronic psychogenic stress on the characteristics of synaptic membrane receptors in the rat brain] Nikuradze VO, et al. **Biull Eksp Biol Med** 1985 Sep;100(9):275–7 (Eng. Abstr.) (Rus)

[Interaction of piracetam with 3H–imipramine binding sites and the GAMA–benzodiazepine receptor complex of brain

membranes] Rozhanets VV, et al. **Biull Eksp Biol Med** 1986 Jan;101(1):40–2 (Eng. Abstr.) **(Rus)**

[Interaction of the N- and O-derivatives of aminodicarboxylic acids with CNS glutamate receptors] Piotrovskil LB, et al. **Dokl Akad Nauk SSSR** 1986 Jan–Feb; 286(1):235–8 **(Rus)**

[Problems of drug recognition. Imipramine receptors] Shimanovskiĭ NL, et al. **Farmakol Toksikol** 1986 Jan–Feb; 49(1):103–7 (36 ref.) **(Rus)**

PHYSIOLOGY

Haemodynamic effects of purinergic receptor stimulation in isolated fish gills. Olcafor MC, et al. **Acta Physiol Hung** 1986;67(1):45–51

Studies of neurotensin–dopamine receptor interactions in striatal membranes of the male rat. The influence of 6–hydroxydopamine–induced dopamine receptor supersensitivity. Fuxe K, et al. **Acta Physiol Scand** 1986 Jan;126(1):147–9

Effect of alpha, beta–methylene ATP on distal colonic and rectal motility—a possible involvement of P2–purinoceptors in pelvic nerve mediated non–adrenergic, non–cholinergic contraction. Hedlund H, et al. **Acta Physiol Scand** 1986 Aug;127(4):425–32

A synaptic potential following single volleys in the hippocampal CA1 region possibly involved in the induction of long–lasting potentiation. Wigström H, et al. **Acta Physiol Scand** 1985 Jul;124(3):475–8

A new technique for the study of vascular presynaptic receptors in freely moving rats. Remie R, et al. **Am J Physiol** 1986 Aug;251(2 Pt 2):H463–7

Interactions of drugs and electroshock treatment on cerebral monoaminergic systems. Barkai AI. **Ann NY Acad Sci** 1986; 462:147–62

The biochemistry of electroconvulsive therapy. Discussion of Part III. Decina P. **Ann NY Acad Sci** 1986;462:172–3

Characterization of receptors regulating secretory function in the fundic mucosa. Sanders MJ, et al. **Annu Rev Physiol** 1986;48:89–101 (67 ref.)

Role of autoreceptors in the function of the peripheral and central nervous system. Göthert M. **Arzneimittelforschung** 1985;35(12A):1909–16 (53 ref.)

Is there feedback regulation of neurotransmitter release by autoreceptors? Kalsner S. **Biochem Pharmacol** 1985 Dec 1;34(23):4085–97 (86 ref.)

Receptors and phosphoinositide metabolism in the central nervous system. Nahorski SR, et al. **Biochem Pharmacol** 1986 Aug 1;35(15):2447–53 (47 ref.)

Examination of spinal monoamine receptors through which brainstem opiate–sensitive systems act in the rat. Jensen TS, et al. **Brain Res** 1986 Jan 15;363(1):114–27

Modification of neurotransmitter receptor sensitivity in cat visual cortex during the critical period. Shaw C, et al. **Brain Res** 1985 Sep;354(1):67–73

Characteristics of P2 (nucleotide) receptors mediating contraction and relaxation of rat aortic strips: possible physiological relevance. White TD, et al. **Eur J Pharmacol** 1985 Nov 26;118(1–2):37–44

Activation of phosphatidylinositol turnover by neurotensin receptors in the human colonic adenocarcinoma cell line HT29. Amar S, et al. **FEBS Lett** 1986 May 26;201(1):31–6

Reconstitution in bilayer lipid membranes of the crab Potamon transcaspicum spider venom sensitive glutamate receptors. Tashmukhamedov BA, et al. **Gen Physiol Biophys** 1985 Dec;4(6):625–30

Evidence for an excitatory amino acid as the transmitter of the auditory nerve in the in vitro mouse cochlear nucleus. Martin MR. **Hear Res** 1985;20(3):215–20

Substance P: binding properties and studies on cellular responses in guinea pig macrophages. Hartung HP, et al. **J Immunol** 1986 May 15;136(10):3856–63

Coupling of inositol phospholipid metabolism with excitatory amino acid recognition sites in rat hippocampus. Nicoletti F, et al. **J Neurochem** 1986 Jan;46(1):40–6

Receptors for excitatory amino acids on neurons in rat pyriform cortex. ffrench–Mullen JM, et al. **J Neurophysiol** 1986 Jun;55(6):1283–94

Functional effects of the purinergic innervation of the rabbit urinary bladder. Levin RM, et al. **J Pharmacol Exp Ther** 1986 Feb;236(2):452–7

Long–lasting blockade of P2–receptors of the urinary bladder in vivo following photolysis of arylazido aminopropionyl ATP, a photoaffinity label. Theobald RJ Jr, et al. **Life Sci** 1986 Apr 28;38(17):1591–5

Frequency–dependent involvement of NMDA receptors in the hippocampus: a novel synaptic mechanism. Herron CE, et al. **Nature** 1986 Jul 17–23;322(6076):265–8

NMDA–receptor activation increases cytoplasmic calcium concentration in cultured spinal cord neurones. MacDermott AB, et al. **Nature** 1986 May 29–Jun 4; 321(6069):519–22

Mediation of thalamic sensory input by both NMDA receptors and non–NMDA receptors. Salt TE. **Nature** 1986 Jul 17–23;322(6076):263–5

Glutamate stimulates inositol phosphate formation in striatal neurones. Sladeczek F, et al. **Nature** 1985 Oct 24–30; 317(6039):717–9

Extracellular studies on the role of N–methyl–D–aspartate receptors in epileptiform activity recorded from the kainic acid–lesioned hippocampus. Ashwood TJ, et al. **Neurosci Lett** 1986 Jun 18;67(2):147–52

Stimulation of noradrenaline synthesis by the calcium ionophore A23187 and its modulation by presynaptic receptors. Birch PJ, et al. **Neurosci Lett** 1985 Dec 4; 62(2):187–92

The effect of presynaptic receptor stimulation on adenosine 3',5'–cyclic monophosphate concentrations in rat cortical synaptosomes. Fillenz M, et al. **Neurosci Lett** 1986 Feb 28;64(2):135–8

The ionic mechanisms underlying N–methyl–D–aspartate receptor–induced, tetrodotoxin–resistant membrane potential oscillations in lamprey neurons active during locomotion. Grillner S, et al. **Neurosci Lett** 1985 Oct 10; 60(3):289–94

Blockade of N–methyl–D–aspartate–sensitive acidic amino acid receptors inhibits ischemia–induced accumulation of purine catabolites in the rat striatum. Hagberg H, et al. **Neurosci Lett** 1986 Aug 4;68(3):311–6

Intracellular demonstration of an N–methyl–D–aspartate receptor mediated component of synaptic transmission in the rat hippocampus. Herron CE, et al. **Neurosci Lett** 1985 Sep 16;60(1):19–23

A selective N–methyl–D–aspartate antagonist depresses epileptiform activity in rat hippocampal slices. Herron CE, et al. **Neurosci Lett** 1985 Nov 11;61(3):255–60

Evidence for the involvement of kainate receptors in synaptic transmission in the avian cochlear nucleus. Nemeth EF, et al. **Neurosci Lett** 1985 Sep 6;59(3):297–301

Kindling–like stimulus patterns induce epileptiform discharges in the guinea pig in vitro hippocampus. Slater NT, et al. **Neurosci Lett** 1985 Sep 16;60(1):25–31

Mechanisms of receptor–mediated modulation of transmitter release in noradrenergic, cholinergic and sensory neurones. Illes P. **Neuroscience** 1986 Apr;17(4):909–28 (243 ref.)

Non–N–methyl–D–aspartate receptors mediating synaptic transmission in the avian cochlear nucleus: effects of kynurenic acid, dipicolinic acid and streptomycin. Jackson H, et al. **Neuroscience** 1985 Sep;16(1):171–9

Autoreceptor activation in central monoamine neurons: modulation of neurotransmitter release is not mediated by intermittent axonal conduction. Ryan LJ, et al. **Neuroscience** 1985 Aug;15(4):925–31 (50 ref.)

Substance P receptor–mediated chemotaxis of human monocytes. Ruff MR, et al. **Peptides** 1985;6 Suppl 2:107–11

Analysis of mutations in the transmembrane region of the aspartate chemoreceptor in Escherichia coli. Oosawa K, et al. **Proc Natl Acad Sci USA** 1986 Sep;83(18):6930–4

Clinical neuroendocrinology and neuropharmacology of alcohol withdrawal. Wilkins JN, et al. **Recent Dev Alcohol** 1986;4:241–63

Cellular mechanisms for neurotensin receptor–mediated release of prolactin. Memo M, et al. **Regul Pept [Suppl]** 1985;4:200–2

Neural control of gastro–intestinal motility; events following receptor activation. Den Hertog A. **Vet Res Commun** 1986 Sep;10(5):335–40

[Bradykinin receptor and the mechanism of the onset of labor] Takeuchi Y. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Jun;38(6):853–62 (Eng. Abstr.) **(Jpn)**

[Possible general mechanism of the presynaptic action of mediators] Abramets II, et al. **Dokl Akad Nauk SSSR** 1986 Mar–Apr;287(1):245–8 **(Rus)**

[Prospects for using formed elements in the blood as an extracerebral model for the study of receptors in the central nervous system (review)] Zozulia AA. **Zh Nevropatol Psikhiatr** 1986;86(4):599–603 (91 ref.) **(Rus)**

RADIONUCLIDE IMAGING

Imaging of neurotransmitter receptors in the living human brain. Sedvall G, et al. **Arch Gen Psychiatry** 1986 Oct; 43(10):995–1005

ULTRASTRUCTURE

[Effect of hypoxia on the structure of the presynaptic grid of the interneuronal contacts of the rat neocortex] Stepanov SS, et al. **Tsitologiia** 1985 Nov;27(11):1235–9 (Eng. Abstr.) **(Rus)**

[Effect of ultrasonics on internal ear receptors in chronic suppurative otitis media] Anichin VF, et al. **Vestn Otorinolaringol** 1986 Mar–Apr;(2):8–13 (Eng. Abstr.) **(Rus)**

SYNAPTIC VESICLES

Synapsin I is a microtubule–bundling protein. Baines AJ, et al. **Nature** 1986 Jan 9–15;319(6049):145–7

Quantification of synaptic vesicles in nucleus gracilis of dog. Gavelová M, et al. **Z Mikrosk Anat Forsch** 1985;99(3):362–8

ANALYSIS

The density and free water of cholinergic synaptic vesicles as a function of osmotic pressure. Giompres PE, et al. **Biochim Biophys Acta** 1986 Jul 16;882(3):398–409

Identification of a synaptic vesicle–specific 38,000–dalton protein by monoclonal antibodies. Obata K, et al. **Brain Res** 1986 Jun 4;375(1):37–48

The expression and localization of synaptic vesicle antigens at neuromuscular junctions in vitro. Bixby JL, et al. **J Neurosci** 1985 Nov;5(11):3070–80

DRUG EFFECTS

Electron microscopic morphometric studies on synaptic vesicles of long–term CPZ–administered rat striatum. Takeichi M. **Folia Psychiatr Neurol Jpn** 1985;39(2):185–91

IMMUNOLOGY

Identification of a synaptic vesicle antigen (Mr 86,000) conserved between Torpedo and rat. Walker JH, et al. **J Neurochem** 1986 Mar;46(3):875–81

Presynaptic elements formed on polylysine–coated beads contain synaptic vesicle antigens. Burry RW, et al. **J Neurocytol** 1986 Aug;15(4):409–19

Evidence that large synaptic vesicles containing substance P and small synaptic vesicles have a surface antigen in common in rat. Floor E, et al. **Neurosci Lett** 1985 Sep 30;60(2):231–7

METABOLISM

Horseradish peroxidase uptake of the synaptic vesicles in the superior cervical ganglion of the cat. Parducz A. **Brain Res** 1986 Jan 8;362(2):375–8

Developmental expression of a synaptic vesicle–specific protein in the rat retina. Sarthy PV, et al. **Dev Biol** 1985 Dec;112(2):284–91

Molecular characterization of synaptophysin, a major calcium–binding protein of the synaptic vesicle membrane. Rehm H, et al. **EMBO J** 1986 Mar;5(3):535–41

Cholera toxin B–subunit incorporation into synaptic vesicles of the neuromuscular junction of the rat. Oldfors A. **Experientia** 1986 Apr 15;42(4):415–7

Translocation of cytosolic acetylcholine into synaptic vesicles and demonstration of vesicular release. Michaelson DM, et al. **J Biol Chem** 1986 May 25;261(15):6831–5

Uncoupling of cholinergic synaptic vesicles by the presynaptic toxin beta–bungarotoxin. Anderson DC, et al. **J Neurochem** 1986 Oct;47(4):1305–11

Stoichiometries of acetylcholine uptake, release, and drug inhibition in Torpedo synaptic vesicles: heterogeneity in acetylcholine transport and storage. Anderson DC, et al. **J Neurochem** 1986 Apr;46(4):1207–13

Acetylcholine transport and drug inhibition kinetics in Torpedo synaptic vesicles. Bahr BA, et al. **J Neurochem** 1986 Apr;46(4):1214–8

Selectivity and regulation in the phospholipase A2–mediated attack on cholinergic synaptic vesicles by beta–bungarotoxin. Noremberg K, et al. **J Neurochem** 1986 Oct;47(4):1312–7

Consequences of partial axotomy for production of neurotransmitter vesicles and routing of rapidly transported membrane glycoproteins in the axonal tree. Goldberg DJ, et al. **J Neurosci** 1986 Jun;6(6):1712–8

3H–5–hydroxytryptamine accumulation by rat brain synaptic vesicles in a membrane–impermeant medium, and selective reduction by 5,7–dihydroxytryptamine. Ruth JA, et al. **Life Sci** 1986 Mar 31;38(13):1193–201

[3H]Dihydrotetrabenazine binding to bovine striatal synaptic vesicles. Near JA. **Mol Pharmacol** 1986 Sep;30(3):252–7

Fast turnover of clear vesicle membrane in frog sympathetic ganglion. Belhumeur C, et al. **Neuroscience** 1986 Apr; 17(4):1267–74

Synaptophysin: a marker protein for neuroendocrine cells and neoplasms. Wiedenmann B, et al. **Proc Natl Acad Sci USA** 1986 May;83(10):3500–4

PHYSIOLOGY

The effect of nerve activity on the distribution of synaptic vesicles. Maler L, et al. **Cell Mol Neurobiol** 1985 Dec; 5(4):373–87

Formation of synaptic vesicles in the superior cervical ganglion of cat: choline dependency. Parducz A, et al. **Exp Brain Res** 1986;63(1):221–4

Measurement of quantal secretion induced by ouabain and its correlation with depletion of synaptic vesicles. Haimann C, et al. **J Cell Biol** 1985 Nov;101(5 Pt 1):1953–65

Serotonin–binding protein: function in synaptic vesicles. Tamir H. **Trans NY Acad Sci** 1983;41:237–42

SECRETION

The release of acetylcholine: from a cellular towards a molecular mechanism. Israël M, et al. **Biol Cell** 1985; 55(1–2):1–14

ULTRASTRUCTURE

A quantitative study of synaptic ribbons in pinealocytes of adult Chinese hamsters (Cricetulus griseus) under different photoperiodic conditions. Aida I, et al. **Cell Tissue Res** 1986;244(1):107–13

Temporal coincidence between synaptic vesicle fusion and quantal secretion of acetylcholine. Torri–Tarelli F, et al. **J Cell Biol** 1985 Oct;101(4):1386–99

Compensation in the number of presynaptic dense projections and synaptic vesicles in remaining parallel fibres following cerebellar lesions. Hillman DE, et al. **J Neurocytol** 1985 Aug;14(4):673–87

[Synaptic connection between the monoaminergic terminals and intercostal respiratory motoneurons in cats] Jiang ZH, et al. **Sheng Li Hsueh Pao** 1985 Oct;37(5):479–85 (Eng. Abstr.) **(Chi)**

SYNAPTONEMAL COMPLEX see under **MEIOSIS**

SYNAPTOSOMES

ANALYSIS

A rapid method for isolation of synaptosomes on Percoll gradients. Dunkley PR, et al. **Brain Res** 1986 Apr 30; 372(1):115–29

Affinity fractionation and characterization of chick brain synaptosomes. Sharma SK, et al. **Eur J Cell Biol** 1986 Mar; 40(1):44–52

Effect of dextran- and poly(ethylene glycol)-bound procion yellow HE-3G on the partition of membranes from calf brain synaptosomes within an aqueous two-phase system. Muiño Blanco MT, et al. **J Chromatogr** 1986 May 16; 358(1):147–58

Epidermal growth factor in synaptosomal fractions of mouse cerebral cortex. Lakshmanan J, et al. **J Neurochem** 1986 Apr;46(4):1081–5

Recovery of altered fatty acid composition induced by a diet devoid of n-3 fatty acids in myelin, synaptosomes, mitochondria, and microsomes of developing rat brain. Youyou A, et al. **J Neurochem** 1986 Jan;46(1):224–8

The effect of presynaptic receptor stimulation on adenosine 3',5'-cyclic monophosphate concentrations in rat cortical synaptosomes. Fillenz M, et al. **Neurosci Lett** 1986 Feb 28;64(2):135–8

The effects of changes in intracellular calcium on rat synaptosomal cyclic adenosine monophosphate. Ryan E, et al. **Neurosci Lett** 1985 Sep 30;60(2):177–82

Beta-nerve growth factor in developing mouse cerebral cortical synaptosomes: measurement by competitive radioimmunoassay and bioassay. Lakshmanan J, et al. **Pediatr Res** 1986 May;20(5):391–7

DRUG EFFECTS

Halothane effects on synaptosomal acetylcholine metabolism [letter] Becker GL. **Anesth Analg** 1986 Jan;65(1):103–4

Studies on the effect of iron overload on rat cortex synaptosomal membranes. Nagy K, et al. **Biochim Biophys Acta** 1985 Nov 7;820(2):216–22

Scorpion venom (Leiurus quinquestriatus) elicits accumulations of inositol phosphates and cyclic AMP in guinea pig cortical synaptoneurosomes. Gusovsky F, et al. **FEBS Lett** 1986 Apr 7;199(1):107–12

Dolichol alters dynamic and static properties of mouse synaptosomal plasma membranes. Wood WG, et al. **FEBS Lett** 1986 Sep 1;205(1):25–8

Vinblastine blocks stimulation-dependent vesicle redistribution in incubated synaptosomes. Hajós F, et al. **Int J Neurosci** 1985 Oct;28(1–2):119–24

In vivo effects of anticonvulsant drugs on nerve terminal (synaptosomal) GABA levels in 11 brain regions of the rat. Löscher W, et al. **J Neural Transm** 1985;63(2):157–67

Studies on the role of alpha 2-adrenoceptors in the control of synaptosomal [3H]5-hydroxytryptamine release: effects of antidepressant drugs. Ellison DW, et al. **J Neurochem** 1986 Jan;46(1):218–23

Leptinotoxin-h action in synaptosomes, neurosecretory cells, and artificial membranes: stimulation of ion fluxes. Madeddu L, et al. **J Neurochem** 1985 Dec;45(6):1708–18

Leptinotoxin-h action in synaptosomes and neurosecretory cells: stimulation of neurotransmitter release. Madeddu L, et al. **J Neurochem** 1985 Dec;45(6):1719–30

Subsynaptosomal calcium distribution during hypoxia and 3,4-diaminopyridine treatment. Peterson C, et al. **J Neurochem** 1985 Dec;45(6):1779–90

Kainic acid differentially affects the synaptosomal release of endogenous and exogenous amino acidic neurotransmitters. Poli A, et al. **J Neurochem** 1985 Dec;45(6):1677–86

Cortisol effect on (Na+ + K+)-stimulated ATPase activity and on bilayer fluidity of dog brain synaptosomal plasma membranes. Deliconstantinos G. **Neurochem Res** 1985 Dec; 10(12):1605–13

The effect of etidocaine on spontaneous and evoked release of norepinephrine from rat brain synaptosomes. Freas W, et al. **Proc Soc Exp Biol Med** 1985 Nov;180(2):264–9

Failure of branched-chain amino acids to affect synaptosomal uptake of norepinephrine and dopamine. Cobert BJ, et al. **Res Commun Chem Pathol Pharmacol** 1985 Dec;50(3):455–8

The pharmacological activity of the fatty acid conjugate 11-palmitoyloxy-delta 9-tetrahydrocannabinol. Haggerty GC, et al. **Toxicol Appl Pharmacol** 1986 Jul;84(3):599–606

[Mechanism of stabilization of synaptosomes with alpha-tocopherol during exposure to phospholipase A2] Erin AN, et al. **Biull Eksp Biol Med** 1986 Jul;102(7):25–8 (Eng. Abstr.) (Rus)

[Tryptophan-5-hydroxylase activity in the rabbit brain synaptosomes at different times after the single administration of the opioid peptide Tyr-D-Ala-Gly-Phe-NH2] Uzbekov MG. **Biull Eksp Biol Med** 1986 Feb;101(2):159–60 (Eng. Abstr.) (Rus)

[Characteristics of the effect of psychotropic preparations on the synaptosomal uptake of monoamines] Malsov NI, et al. **Farmakol Toksikol** 1985 Jul–Aug;48(4):46–50 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Endogenous dephosphorylation of synaptosomal calmodulin-dependent protein kinase type II. LeVine H 3d, et al. **Biochem Biophys Res Commun** 1985 Sep 30; 131(3):1212–8

Effect of amiodarone on Na+-, K+-ATPase and Mg2+-ATPase activities in rat brain synaptosomes. Prasada Rao KS, et al. **Cell Biochem Funct** 1986 Apr; 4(2):143–51

Presynaptic dopamine and serotonin receptors modulating tyrosine hydroxylase activity in synaptosomes of the nucleus accumbens of rats. Hetey L, et al. **Eur J Pharmacol** 1985 Jul 11;113(1):1–10

Specific lysis of noradrenergic synaptosomes by an antiserum to dopamine-beta-hydroxylase. Docherty M, et al. **FEBS Lett** 1986 Jun 23;202(1):37–40

Phosphatidylserine and calmodulin effects on Ca2+-stimulated ATPase activity of dog brain synaptosomal plasma membranes. Tsakiris S, et al. **Int J Biochem** 1985;17(10):1117–9

Modulation of guanine nucleotide affinity does not affect the first order rate constant of activation of adenylate cyclase in native membranes. Tolkovsky AM. **J Biol Chem** 1986 Apr 5;261(10):4579–86

Synaptosomal sialyltransferase glycosylates surface proteins that are inaccessible to the action of membrane-bound sialidase. Breen KC, et al. **J Neurochem** 1986 Oct; 47(4):1176–80

Solubilization of membrane-bound acetylcholinesterase by a phosphatidylinositol-specific phospholipase C. Futerman AH, et al. **J Neurochem** 1985 Nov;45(5):1487–94

Local anesthetics inhibit the Ca2+, Mg2+-ATPase activity of rat brain synaptosomes. Garcia-Martin E, et al. **J Neurochem** 1986 Sep;47(3):668–72

Ectonucleotidase activities associated with cholinergic synaptosomes isolated from Torpedo electric organ. Grondal EJ, et al. **J Neurochem** 1986 Sep;47(3):871–81

Synaptosomal phospholipase D potential role in providing choline for acetylcholine synthesis. Hattori H, et al. **J Neurochem** 1985 Nov;45(5):1578–84

Ecto-ATPase of mammalian synaptosomes: identification and enzymic characterization. Nagy AK, et al. **J Neurochem** 1986 Sep;47(3):976–86

A role for transglutaminase in neurotransmitter release by rat brain synaptosomes. Pastuszko A, et al. **J Neurochem** 1986 Feb;46(2):499–508

Effects of several ergosines on adenylate cyclase activity in synaptosomal membranes of the bovine caudate nucleus. Solkić V, et al. **J Pharm Pharmacol** 1986 Feb;38(2):128–31

Chlordecone inhibition of calmodulin activated calcium ATPase in rat brain synaptosomes. Desaiah D, et al. **J Toxicol Environ Health** 1985;16(2):189–95

The subcellular distribution of a membrane-bound calmodulin-stimulated protein kinase. Rostas JA, et al. **Neurochem Res** 1986 Feb;11(2):253–68

Effects in vitro of L-glutamate and kainic acid on the ATPase activities of synaptosomal membranes from different areas of rat brain. Szkudlarek J, et al. **Neurosci Lett** 1986 Apr 24;65(3):304–10

Identification of the catalytic subunit of brain adenylate cyclase: a calmodulin binding protein of 135 kDa. Coussen F, et al. **Proc Natl Acad Sci USA** 1985 Oct;82(20):6736–40

[Effect of dopamine and dopamine mimetics on Na, K-ATPase of corpus striatum synaptosomes] Komissarov IV, et al. **Biull Eksp Biol Med** 1985 Oct;100(10):400–3 (Eng. Abstr.) (Rus)

[Effect of phospholipases A2 from bee and cobra venom on the phospholipid composition and Na+-,K+-ATPase activity of synaptosomes] Vavilova GL, et al. **Ukr Biokhim Zh** 1985 Nov–Dec;57(6):28–34 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Axonal transport of monoclonal antibodies. Ritchie TC, et al. **J Neurosci** 1986 Apr;6(4):1177–84

METABOLISM

Comparative studies of fresh and postmortem isolated rat cortical synaptosomes: uptake and potassium-evoked release of gamma-aminobutyric acid. Kálmán M, et al. **Acta Biol Hung** 1985;36(1):87–91

Distribution of negative charges of rat brain synaptosomes established by means of protamine-ferritin conjugate. Ichev K, et al. **Acta Histochem (Jena)** 1985;77(1):117–20

Mistletoe lectin I binding sites on the synaptosomes of the rat cerebral cortex. Ichev K, et al. **Acta Histochem (Jena)** 1985;77(2):133–8

5-HT-uptake inhibition potentiates antinociception induced by morphine, pethidine, methadone and ketobemidone in rats. Larsen JJ, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Sep;57(3):214–8

Differential responses of synaptosomal cation movements and respiration to the convulsants penicillin, pentylenetetrazol and 3-aminopyridine. Csillag A, et al. **Acta Physiol Hung** 1986;67(2):223–32

Demonstration of GABA/barbiturate-receptor-mediated chloride transport in rat brain synaptoneurosomes: a functional assay of GABA receptor-effector coupling. Schwartz RD, et al. **Adv Biochem Psychopharmacol** 1986; 41:33–49

Water and nonelectrolyte permeability in brain synaptosomes isolated from normal and uremic rats. Verkman AS, et al. **Am J Physiol** 1986 Feb;250(2 Pt 2):R306–12

Effects of lithium salts on lipid peroxidation activity of synaptosomes and kidney homogenates. Sawas AH, et al. **Arch Int Pharmacodyn Ther** 1986 Jun;281(2):192–7

Polyamines appear to be second messengers in mediating Ca2+ fluxes and neurotransmitter release in potassium-depolarized synaptosomes. Iqbal Z, et al. **Biochem Biophys Res Commun** 1985 Dec 17;133(2):563–73

A putative met-enkephalin releaser, kyotorphin enhances intracellular Ca2+ in the synaptosomes. Ueda H, et al. **Biochem Biophys Res Commun** 1986 Jun 13;137(2):897–902

Characterization and properties of Mg2+ uptake and release from guinea pig cerebral cortex synaptosomes. Zoccarato F, et al. **Biochem Biophys Res Commun** 1986 May 14; 136(3):906–13

Bioenergetic actions of beta-bungarotoxin, dendrotoxin and bee-venom phospholipase A2 on guinea-pig synaptosomes. Nicholls D, et al. **Biochem J** 1985 Aug 1;229(3):653–62

Compartmentation and regulation of acetylcholine synthesis at the synapse. Willoughby J, et al. **Biochem J** 1986 Apr 1;235(1):215–23

Evidence that amphetamine and Na+ gradient reversal increase striatal synaptosomal dopamine synthesis through carrier-mediated efflux of dopamine. Connor CE, et al. **Biochem Pharmacol** 1986 Sep 15;35(18):3123–30

Morphine inhibition of calcium fluxes, neurotransmitter release and protein and lipid phosphorylation in brain slices and synaptosomes. Crowder JM, et al. **Biochem Pharmacol** 1986 Aug 1;35(15):2501–7

gamma-Acetylenic GABA antagonizes the decrease in synaptosomal GABA concentrations but not the seizures induced by 3-mercaptopropionic acid in rats. Löscher W. **Biochem Pharmacol** 1986 Sep 15;35(18):3176–80

Inhibition by benzodiazepines and beta-carbolines of brief (5 seconds) synaptosomal accumulation of [3H]-adenosine. Morgan PF, et al. **Biochem Pharmacol** 1986 May 15; 35(10):1760–2

Enhancement of depolarization-induced synaptosomal calcium uptake and neurotransmitter release by Bay K8644. White EJ, et al. **Biochem Pharmacol** 1986 Jul 1; 35(13):2193–7

Interaction of enkephalins and des-tyrosyl-enkephalins with synaptosomal plasma membrane vesicles: enkephalin binding and inhibition of proline transport. Rhoads DE, et al. **Biochemistry** 1986 Apr 8;25(7):1580–4

Effects of probes of membrane potential on metabolism in synaptosomes. Aiuchi T, et al. **Biochim Biophys Acta** 1985 Nov 22;843(1–2):20–4

External calcium, intrasynaptosomal free calcium and neurotransmitter release. Ashley RH. **Biochim Biophys Acta** 1986 Jan 29;854(2):207–12

Tyrosine transport into isolated rat brain synaptosomes. Ionic dependence and kinetic studies. Diez-Guerra FJ, et al. **Biochim Biophys Acta** 1986 May 28;857(2):209–16

Accumulations of cyclic AMP and inositol phosphates in guinea pig cerebral cortical synaptoneurosomes: enhancement by agents acting at sodium channels. Hollingsworth EB, et al. **Biochim Biophys Acta** 1986 Aug 6;883(1):15–25

Divalent cation modulation of the ionic permeability of the synaptosomal plasma membrane. Kauppinen RA, et al. **Biochim Biophys Acta** 1986 Aug 21;860(2):178–84

Influence of postnatal hypoxia on 32P-labeling of polyphosphoinositides and phosphatidic acid in striatum synaptosomes from rat brain. Odarjuk J, et al. **Biomed Biochim Acta** 1986;45(5):593–9

Intracellular calcium regulation and the measurement of free calcium in 2H3 cells and synaptosomes. Hesketh R. **Br J Clin Pharmacol** 1985;20 Suppl 2:221S–231S (39 ref.)

[3H]-tetracaine binding on rat synaptosomes and sodium channels. Grima M, et al. **Br J Pharmacol** 1985 Sep; 86(1):125–9

A calculation method for evaluating the time course of GABA removal from a synaptic cleft by presynaptic uptake systems. Cupello A, et al. **Brain Res** 1985 Sep 2; 342(1):176–8

[3H] kainic acid binding sites in the synaptosomal-mitochondrial (P2) fraction from goldfish brain. Migani P, et al. **Brain Res** 1985 Dec 30; 361(1–2):36–45

Effects of 4-(2-hydroxyethyl)-1-piperazine-ethanesulfonic acid (AH5183) on rat cortical synaptosome choline uptake, acetylcholine storage and release. Otero DH, et al. **Brain Res** 1985 Dec 16;359(1–2):208–14

Effect of phenytoin on [3H]norepinephrine release from synaptosomes. Pincus JH, et al. **Brain Res** 1985 Dec 2; 348(2):387–90

Involvement of mitochondria in the age-dependent decrease in calcium uptake of rat brain synaptosomes. Vitorica J, et al. **Brain Res** 1986 Jul 16;378(1):36–48

Bay K 8644 stimulation of calcium entry and endogenous dopamine release in rat striatal synaptosomes antagonized by nimodipine. Woodward JJ, et al. **Brain Res** 1986 Apr 9;370(2):397–400

Effects of cadmium on the uptake of dopamine and norepinephrine in rat brain synaptosomes. Hobson M, et al. **Bull Environ Contam Toxicol** 1986 Sep;37(3):421–6

Perturbational actions of barbiturate analogues on erythrocyte and synaptosomal membranes. Godin DV, et al. **Can J Physiol Pharmacol** 1985 Aug;63(8):937–43

Biphasic effect of local anesthetics on the adenosine triphosphate-dependent calcium uptake by lysed brain synaptosomes. Lavoie PA, et al. **Can J Physiol Pharmacol** 1986 Feb;64(2):218–21

Choline fluxes in synaptosomal membrane vesicles. Breer H,

et al. **Cell Mol Neurobiol** 1985 Sep;5(3):285–96
Synaptosomal bioenergetics. The role of glycolysis, pyruvate oxidation and responses to hypoglycaemia. Kauppinen RA, et al. **Eur J Biochem** 1986 Jul 1;158(1):159–65
The effects of some slow channel blocking drugs on high affinity serotonin uptake by rat brain synaptosomes. Brown NL, et al. **Eur J Pharmacol** 1986 Apr 9;123(1):161–5
Effects of adenosine on 45Ca uptake and [3H]acetylcholine release in synaptosomal preparation from guinea-pig ileum myenteric plexus. Shinozuka K, et al. **Eur J Pharmacol** 1985 Jul 31;113(3):417–24
Stereospecific binding sites for [3H]nicotinamide adenine dinucleotide in the rat brain. Snell PH, et al.
Eur J Pharmacol 1985 Oct 8;116(1–2):121–7
Presynaptic serotonin receptors regulate [3H]serotonin release from rat spinal cord synaptosomes. Stauderman KA, et al. **Eur J Pharmacol** 1986 Jan 14;120(1):107–9
Pertussis toxin (IAP) enhances maitotoxin (a putative Ca2+ channel agonist)-induced Ca2+ entry into synaptosomes. Ueda H, et al. **Eur J Pharmacol** 1986 Apr 2;122(3):379–80
Modification of ultrastructural and neurochemical parameters in synaptosomes of the retino-deprived goldfish optic tectum. Contestabile A, et al. **Exp Brain Res** 1986; 62(3):560–6
Pyruvate utilization by synaptosomes is independent of calcium. Kauppinen RA, et al. **FEBS Lett** 1986 Apr 21; 199(2):222–6
Characterization of central melatonin receptors using 125I-melatonin. Laudon M, et al. **FEBS Lett** 1986 Mar 3;197(1–2):9–12
Kainate-induced uptake of calcium by synaptosomes from rat brain. Pastuszko A, et al. **FEBS Lett** 1985 Nov 11; 192(1):61–5
Effects of calcium antagonists on KCl-evoked calcium uptake by rat cortical synaptosomes. Wei JW, et al.
Gen Pharmacol 1986;17(3):261–5
Effects of pressure on uptake and release of calcium by brain synaptosomes. Gilman SC, et al. **J Appl Physiol** 1986 Apr; 60(4):1446–50
The involvement of iron in lipid peroxidation. Importance of ferric to ferrous ratios in initiation. Braughler JM, et al. **J Biol Chem** 1986 Aug 5;261(22):10282–9
Translocation of cytosolic acetylcholine into synaptic vesicles and demonstration of vesicular release. Michaelson DM, et al. **J Biol Chem** 1986 May 25;261(15):6831–5
Structural requirements for cocaine congeners to interact with [3H]batrachotoxinin A 20-alpha-benzoate binding sites on sodium channels in mouse brain synaptosomes. Reith ME, et al. **J Biol Chem** 1986 Jun 5;261(16):7300–5
Coupling of Li+ distribution to the plasma membrane potential of rat cortical synaptosomes. Schmalzing G.
J Biol Chem 1986 Jan 15;261(2):650–6
Li+ as substrate of the synaptosomal Na+/H+ antiporter. Schmalzing G, et al. **J Biol Chem** 1986 Feb 25; 261(6):2759–67
Interactions of divalent cations with single calcium channels from rat brain synaptosomes. Nelson MT.
J Gen Physiol 1986 Feb;87(2):201–22 (67 ref.)
The brain angiotensin system: subcellular localization and interferences with converting enzyme inhibitors. Paul M, et al. **J Hypertension [Suppl]** 1983 Oct;1(1):9–15
Differential calcium dependence of gamma-aminobutyric acid and acetylcholine release in mouse brain synaptosomes. Arias C, et al. **J Neurochem** 1986 Aug; 47(2):396–404
Phosphatidylinositol:myo-inositol exchange activity in intact nerve endings: substrate and cofactor dependence, nucleotide specificity, and effect on synaptosomal handling of myo-inositol. Berry G, et al. **J Neurochem** 1986 Apr; 46(4):1073–80
Synaptosomal transport of radiolabel from N-acetyl-aspartyl-[3H]glutamate suggests a mechanism of inactivation of an excitatory neuropeptide. Blakely RD, et al. **J Neurochem** 1986 Oct;47(4):1013–9
Correlation of rates of calcium entry and release of endogenous norepinephrine in rat brain region synaptosomes. Daniell LC, et al. **J Neurochem** 1986 Jan; 46(1):249–56
Depolarization-dependent protein phosphorylation in rat cortical synaptosomes: characterization of active protein kinases by phosphopeptide analysis of substrates. Dunkley PR, et al. **J Neurochem** 1986 Jun;46(6):1692–703
Protein modification by RNA-dependent posttranslational aminoacylation in synaptoplasm. Gower DJ, et al.
J Neurochem 1986 Aug;47(2):389–95
Uptake of gamma-aminobutyric acid and glycine by synaptosomes from postmortem human brain. Hardy JA, et al. **J Neurochem** 1986 Aug;47(2):460–7
Intractable unphysiologically low adenylate energy charge values in synaptosome fractions: an explanatory hypothesis based on the fraction's heterogeneity. Kyriazi HT, et al.
J Neurochem 1986 Aug;47(2):512–28
Aging decreases the sensitivity of rat cortical synaptosomes to calcium ionophore-induced acetylcholine release. Meyer EM, et al. **J Neurochem** 1986 Oct;47(4):1244–6
Ionizing radiation alters the properties of sodium channels in rat brain synaptosomes. Mullin MJ, et al.
J Neurochem 1986 Aug;47(2):489–95
Differences in anionic dependence of the synaptic efflux of D-aspartic acid and gamma-aminobutyric acid. Naalsund LU, et al. **J Neurochem** 1986 Sep;47(3):687–90
Effect of adenosine, adenosine derivatives, and caffeine on acetylcholine release from brain synaptosomes: interaction with muscarinic autoregulatory mechanisms. Pedata F, et al. **J Neurochem** 1986 May;46(5):1593–8
Inhibition of high-affinity choline uptake and acetylcholine synthesis by quinuclidinyl and hemicholinium derivatives. Sterling GH, et al. **J Neurochem** 1986 Apr;46(4):1170–5
Binding of lanthanum ions and ruthenium red to synaptosomes and its effects on neurotransmitter release. Tapia R, et al. **J Neurochem** 1985 Nov;45(5):1464–70
Transport of cysteate by synaptosomes isolated from rat brain: evidence that it utilizes the same transporter as aspartate, glutamate, and cysteine sulfinate. Wilson DF, et al. **J Neurochem** 1986 Oct;47(4):1091–7
Uptake and release of tryptophan and serotonin: an HPLC method to study the flux of endogenous 5-hydroxyindoles through synaptosomes. Wolf WA, et al. **J Neurochem** 1986 Jan;46(1):61–7
Evidence for a presynaptic adenylate cyclase system facilitating [3H]norepinephrine release from rat brain neocortex slices and synaptosomes. Schoffelmeer AN, et al. **J Neurosci** 1985 Oct;5(10):2685–9
Presynaptic calcium channels in rat cortical synaptosomes: fast-kinetics of phasic calcium influx, channel inactivation, and relationship to nitrendipine receptors. Suszkiw JB, et al. **J Neurosci** 1986 May;6(5):1349–57
A superfusion apparatus for the examination of neurotransmitter release from synaptosomes. Minnema D, et al. **J Neurosci Methods** 1985 Aug;14(3):193–206
Effects of secretagogues on ATP levels and protein carboxyl methylation in rat brain synaptosomes. Bjorndahl JM, et al. **J Pharmacol Exp Ther** 1986 May;237(2):569–76
Metabolism and subcellular distribution of N-amino-N,N-dimethylaminoethanol (N-aminodeanol) in rat striatal synaptosomes. Newton MW, et al.
J Pharmacol Exp Ther 1985 Oct;235(1):135–46
Calcium uptake of rat brain synaptosomes as a function of membrane potential under different depolarizing conditions. Adam-Vizi V, et al. **J Physiol (Lond)** 1986 Mar; 372:363–77
Normal serotonin uptake by blood platelets and brain synaptosomes but selective impairment of platelet serotonin storage in mice with Chediack-Higashi syndrome. Lampugnani MG, et al. **Life Sci** 1986 Jun 16;38(24):2193–8
Preincubation of synaptosomes in the presence of sodium affects Ca2+ uptake. Nikezić GS, et al. **Mol Biol Rep** 1985 Oct;10(4):227–30
Effects of apomorphine enantiomers and of lisuride on 3,4-dihydroxyphenylalanine production in striatal synaptosomes. Briutigam M, et al. **Mol Pharmacol** 1985 Dec;28(6):515–20
Brevetoxins, unique activators of voltage-sensitive sodium channels, bind to specific sites in rat brain synaptosomes. Poli MA, et al. **Mol Pharmacol** 1986 Aug;30(2):129–35
Phencyclidine (PCP) selectively blocks certain presynaptic potassium channels. Blaustein MP, et al.
Natl Inst Drug Abuse Res Monogr Ser 1986;64:37–51
Involvement of dopaminergic, cholinergic, and glutamatergic mechanisms in the actions of phencyclidine-like drugs. Johnson KM, et al.
Natl Inst Drug Abuse Res Monogr Ser 1986;64:52–66
Synaptosomes possess an exocytotic pool of glutamate. Nicholls DG, et al. **Nature** 1986 Jun 19–25;321(6072):772–3
Is inhibition of striatal synaptosomal tyrosine hydroxylation by dopamine agonists a measure of dopamine autoreceptor function? Fowler CJ, et al.
Naunyn Schmiedebergs Arch Pharmacol 1985 Oct; 331(1):12–9
Effects of dexamethasone on [3H]choline uptake by rat forebrain synaptosomes. King RG, et al.
Naunyn Schmiedebergs Arch Pharmacol 1985 Oct; 331(1):117–8
Subsynaptosomal distribution of calcium during aging and 3,4-diaminopyridine treatment. Peterson C, et al.
Neurobiol Aging 1985 Winter;6(4):297–304
Agonal status affects the metabolic activity of nerve endings isolated from postmortem human brain. Wester P, et al.
Neurochem Pathol 1985 Fall;3(3):169–80
Synaptosomal degradation of substance P and some other neuropeptides. Arzumanyan AM, et al. **Neurochem Res** 1985 Dec;10(12):1623–34
Morphometric and autoradiographic analysis of crude synaptosomal preparations from rat cerebral cortex. Collings TA, et al. **Neurochem Res** 1986 May;11(5):707–21
Influence of the amino acids of substance P in the recognition of its receptor: affinities of synthesized SP analogues for the specific 125I-BHSP binding site on rat brain synaptosomes. Lavielle S, et al. **Neuropeptides** 1986 Feb-Mar;7(2):191–200
Kinetics of the uptake of monoamines into synaptosomes from rat brain. Consequences of lithium treatment and withdrawal. Ahluwalia P, et al. **Neuropharmacology** 1985 Aug;24(8):713–20
Changes induced by corticosterone and adrenalectomy in synaptosomal and platelet uptake and binding of 5-HT. The relationship to [3H]imipramine binding. Lee PH, et al. **Neuropharmacology** 1985 Nov;24(11):1043–50
Evaluation of the direct actions of drugs with a serotonergic link in spinal analgesia on the release of [3H]serotonin from spinal cord synaptosomes. Monroe PJ, et al.
Neuropharmacology 1986 Mar;25(3):261–5
Three uptake systems in synaptosomes for nipecotic acid and beta-alanine. Sidhu HS, et al. **Neuropharmacology** 1986 May;25(5):555–8
Ionic regulation of the binding of DL-2-amino-7-phosphono-[4,5-3H]heptanoic acid to synaptosome-enriched homogenates of rat cerebral cortex. Manallack DT, et al. **Neurosci Lett** 1986 Jul 11;68(1):11–6
Calcium channel agonists and antagonists regulate protein phosphorylation in intact synaptosomes. Robinson PJ, et al. **Neurosci Lett** 1986 Jul 11;68(1):1–6
Chronic ethanol administration inhibits calmodulin-dependent Ca++ uptake in synaptosomal membranes. Ross DH. **Pharmacol Biochem Behav** 1986 Jun; 24(6):1659–64
Effects of lipid peroxidation on neurotransmitters uptake by rat synaptosomes. Dabrowiecki Z, et al.
Pol J Pharmacol Pharm 1985 May-Jun;37(3):325–31
Regulation of phosphatidylinositol turnover in brain synaptoneurosomes: stimulatory effects of agents that enhance influx of sodium ions. Gusovsky F, et al.
Proc Natl Acad Sci USA 1986 May;83(9):3003–7
Characterization of endogenous inhibitors of [3H]-imipramine binding and [3H]-serotonin uptake from rat serum. Angel I, et al. **Prog Clin Biol Res** 1985; 192:457–64
Possible involvement of low and high affinity GABA receptors in the chloride influx into synaptosomes. Sánchez C, et al. **Rev Esp Fisiol** 1986 Mar;42(1):1–5
Influence of mercury on uptake of [3H]dopamine and [3H]norepinephrine by rat brain synaptosomes. Rajanna B, et al. **Toxicol Lett** 1985 Sep;27(1–3):7–14
Effects of beta-bungarotoxin and Naja naja atra snake venom phospholipase A2 on acetylcholine release and choline uptake in synaptosomes. Fletcher JE, et al. **Toxicon** 1986; 24(1):91–9
[Concentration of amino acids in synaptosomes of the rat brain in the preconvulsive phase of experimentally-induced seizures] Wiechert P, et al.
Psychiatr Neurol Med Psychol Beih 1979;25:149–55 (Eng. Abstr.) **(Ger)**
[Mechanism of the stabilization of synaptosomes with alpha-tocopherol during activation of lipid peroxidation] Davitashvili NG, et al. **Biokhimiia** 1986 Mar;51(3):472–7 (Eng. Abstr.) **(Rus)**
[Monoacylglycerol phosphatide accumulation and the alteration of the properties of benzodiazepine receptors in the brain synaptosomes] Bogdanova ED, et al.
Biull Eksp Biol Med 1985 Dec;100(12):684–6 (Eng. Abstr.) **(Rus)**
[Membrane potential and transport of neuromediators in synaptosomes of the brain of rats with spontaneous hypertension] Postnov IuV, et al. **Kardiologiia** 1985 Jun; 25(6):70–5 (Eng. Abstr.) **(Rus)**
[Interrelations between monoamines and luliberin in the synaptosomes of the medio-basal hypothalamus and its separate structures] Babichev VN, et al.
Probl Endokrinol (Mosk) 1985 Sep-Oct;31(5):36–41 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Down regulation of sodium channels in nerve terminals of spontaneously epileptic mice. Willow M, et al.
Cell Mol Neurobiol 1986 Jun;6(2):213–20
Effect of bilirubin on the membrane potential of rat brain synaptosomes. Mayor F Jr, et al. **J Neurochem** 1986 Aug; 47(2):363–9
Demonstration of an autoreceptor modulating the release of [3H]5-hydroxytryptamine from a synaptosomal-rich spinal cord tissue preparation. Monroe PJ, et al. **J Neurochem** 1985 Dec;45(6):1886–94
Synaptogenesis by single identified neurons in vitro: contribution of rapidly transported and newly synthesized proteins. Ambron RT, et al. **J Neurosci** 1985 Nov; 5(11):2857–65
Reorganization of actin in depolarized synaptosomes. Bernstein BW, et al. **J Neurosci** 1985 Oct;5(10):2565–9
Inactivation of acetylcholine release from Torpedo synaptosomes in response to prolonged depolarizations. Birman S, et al. **J Physiol (Lond)** 1985 Nov;368:293–307
[Determination of electrical characteristics of synaptosomal membranes of the brain] Okun' IM. **Biofizika** 1986 Jan-Feb; 31(1):68–72 (Eng. Abstr.) **(Rus)**
[Interaction of isolated synaptic vesicles with synaptic contacts in the rat brain] Kryzhanovskiĭ GN, et al.
Biull Eksp Biol Med 1986 Jul;102(7):23–5 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[Physicochemical study of the state of protein and lipid phases in synaptosome membranes following irradiation with fast electrons] Voronina OIu, et al. **Radiobiologiia** 1986 Jan-Feb;26(1):17–21 (Eng. Abstr.) **(Rus)**

SECRETION

Mechanism of the calcium-dependent stimulation of transmitter release by 4-aminopyridine in synaptosomes. Tapia R, et al. **Brain Res** 1985 Dec 30;361(1–2):373–82

ULTRASTRUCTURE

Morphological comparison of synaptosome preparations (short communication). Hargittai P, et al.
Acta Biochim Biophys Acad Sci Hung 1984;19(3–4):273–5

Cryoultramicrotomy of unfixed tissues: simultaneous transference, 'ionic fixation' and negative staining of the sections by means of silicotungstic acid. Tsuji S. **Cell Mol Biol** 1986;32(1):93–7

Ca2+ sensitivity of Ca2+-dependent protein kinase activities toward intrinsic proteins in synaptosomal membrane fragments from rat cerebral tissue. Gower H, et al. **J Neurochem** 1986 Feb;46(2):440–7

Instability of brain synaptosomal membrane preparations to repeated ultracentrifugation in isoosmotic density gradients. Matthews JC. **Life Sci** 1985 Dec 30;37(26):2467–73

[Ultrastructural and biochemical characteristics of synaptic membrane subfractions isolated from light and heavy brain synaptosomes] Bogolepov NN, et al. **Arkh Anat Gistol Embriol** 1985 Nov;89(11):88–93 (Rus)

SYNCHROCYCLOTRONS see PARTICLE ACCELERATORS

SYNCHROTRONS see PARTICLE ACCELERATORS

SYNCOPE

BLOOD

Venous plasma adrenaline response to orthostatic syncope during tilting in healthy men. Tatár P, et al. **Clin Physiol** 1986 Jun;6(3):303–9

Pancreatic polypeptide release during emotionally induced vasovagal syncope [letter] Sander-Jensen K, et al. **Lancet** 1985 Nov 16;2(8464):1132

CHEMICALLY INDUCED

Verapamil, syncope, and hypertrophic obstructive cardiomyopathy [letter] Trohman RG, et al. **N Engl J Med** 1986 Jun 12;314(24):1583

[Allergic reactions of the central nervous system] Gniazdowski R, et al. **Pol Tyg Lek** 1985 Oct 7–14; 40(40–41):1150–2 (Eng. Abstr.) (Pol)

COMPLICATIONS

Syncope in hypertrophic cardiomyopathy. II. Coexistence of atrioventricular block and Wolff–Parkinson–White syndrome. Khair GZ, et al. **Am Heart J** 1985 Nov; 110(5):1083–6

Syncope in hypertrophic cardiomyopathy. I. Association with atrioventricular block. Khair GZ, et al. **Am Heart J** 1985 Nov;110(5):1081–3

[A case of glossopharyngeal neuraligia with cardiovascular syncope] Iwata S, et al. **Rinsho Shinkeigaku** 1986 Feb; 26(2):115–8 (Eng. Abstr.) (Jpn)

[A case of glossopharyngeal neuralgia with paroxysmal asystole] Prusiński A, et al. **Neurol Neurochir Pol** 1985 Sep–Oct;19(5):448–51 (Eng. Abstr.) (Pol)

DIAGNOSIS

Syncope in adolescents. Risser WL. **Am Fam Physician** 1985 Nov;32(5):117–23

Electrophysiologic testing in patients with recurrent syncope: are results predicted by prior ambulatory monitoring? Reiffel JA, et al. **Am Heart J** 1985 Dec;110(6):1146–53

Syncope in the elderly. Kapoor W, et al. **Am J Med** 1986 Mar;80(3):419–28

Head-up tilt test for unexplained syncope [letter] **Lancet** 1986 Jul 19;2(8499):169–70

Head-up tilt: a useful test for investigating unexplained syncope. Kenny RA, et al. **Lancet** 1986 Jun 14; 1(8494):1352–5

Syncope as a symptom. A practical approach to etiologic diagnosis. Haddad RM, et al. **Postgrad Med** 1986 Feb 1; 79(2):48–53, 56–7, 61–2

Syncope. Cost-effective patient workup. Radack KL. **Postgrad Med** 1986 Jul;80(1):169–76, 178

Fits, faints and funny turns. Blumhardt L. **Practitioner** 1986 Feb;230(1412):117–22

Diagnostic evaluation of syncope. Stults BM, et al. **West J Med** 1986 Feb;144(2):234–8

[Syncopes and brief spells of feeling faint: value of Holter monitoring?] André-Fouet X, et al. **Arch Mal Coeur** 1985 Sep;78(9):1425–30 (Eng. Abstr.) (Fre)

[Loss of consciousness of unclear origin at the wheel] Muggler-Bickel J, et al. **Ther Umsch** 1985 Sep;42(9):624–30 (Eng. Abstr.) (Ger)

DRUG THERAPY

Increased vagal tone as an isolated finding in patients undergoing electrophysiological testing for recurrent syncope: response to long term anticholinergic agents. McLaran CJ, et al. **Br Heart J** 1986 Jan;55(1):53–7

Cough syncope treated with a long-term vasoconstrictor [letter] Chadda KD, et al. **JAMA** 1986 Mar 14; 255(10):1289–91

ENZYMOLOGY

Response of plasma renin activity to postural change in vasovagal syncope in children, with observations on syncope. Uchiyama M, et al. **Horm Res** 1986;23(3):147–50

ETIOLOGY

Syncope and sinus arrest [letter] Duccilli H Jr. **Am Fam Physician** 1986 Apr;33(4):22

Coronary spasm presenting as syncope during ventricular demand pacing. Hart TT, et al. **Am Heart J** 1986 Aug; 112(2):405–7

Occult arrhythmias and syncope in children [letter] Sapire DW, et al. **Am Heart J** 1985 Dec;110(6):1311–3

Paroxysmal ventricular tachycardia with syncope during pregnancy. Brodsky MA, et al. **Am J Cardiol** 1986 Sep 1;58(6):563–4

Syncope and sudden death caused by mitral valve myxomas. Puff M, et al. **Am J Forensic Med Pathol** 1986 Mar; 7(1):84–6

The role of signal averaged electrocardiography in the investigation of unselected patients with syncope. Kuchar DL, et al. **Aust NZ J Med** 1985 Dec;15(6):697–703

Carotid sinus hypersensitivity in elderly nursing home patients. Murphy AL, et al. **Aust NZ J Med** 1986 Feb; 16(1):24–7

Syncope due to right atrial myxoma. Peterson DI. **Bull Clin Neurosci** 1984;49:63–6

Swallow syncope. Guberman A, et al. **Can J Neurol Sci** 1986 Aug;13(3):267–9

Swallow syncope: a form of glossopharyngeal neuralgia? [letter] St John JN. **Can Med Assoc J** 1986 Feb 15; 134(4):309

Evaluation of the patient with syncope. DiCarlo LA Jr, et al. **Cardiol Clin** 1985 Nov;3(4):499–514 (59 ref.)

Evaluation and treatment of survivors of sudden cardiac death or nonbradycardic syncope unrelated to coronary artery disease. Southworth WF, et al. **Cardiol Clin** 1983 May;1(2):275–86

Syncope in a patient with Wolff–Parkinson–White syndrome and inducible ventricular fibrillation [clinical conference] Klein LS. **Chest** 1986 Jun;89(6):875–9

Syncope secondary to ventricular asystole in an endurance athlete. Yerg JE 2d, et al. **Clin Cardiol** 1986 May;9(5):220–2

Syncope and other vasovagal reactions at interval insertion of Lippes Loop D—who is most vulnerable? Chi IC, et al. **Contraception** 1986 Feb;33(2):179–87

Severe diabetic cardiac autonomic neuropathy in a 14-yr-old girl, normalized after 15 mo of improved glycemic control. Bernstein RK. **Diabetes Care** 1986 May–Jun;9(3):310–3

Mechanisms of syncope in glossopharyngeal neuralgia. Barbash GI, et al. **Electroencephalogr Clin Neurophysiol** 1986 Mar;63(3):231–5

Dizziness, falling, and fainting: differential diagnosis in the aged (Part I). Venna N. **Geriatrics** 1986 Jun;41(6):30–6, 39, 42

Dizziness, falling, and fainting: differential diagnosis in the aged (Part II). Venna N. **Geriatrics** 1986 Jul;41(7):31–3, 36–7, 41–5

A more cost-effective evaluation of syncope. Bogden PE. **Hawaii Med J** 1985 Sep;44(9):340–4

Syncope: a retrospective study of 101 hospitalized patients. Ben-Chetrit E, et al. **Isr J Med Sci** 1985 Dec;21(12):950–3

Syncope in institutionalized elderly: the impact of multiple pathological conditions and situational stress. Lipsitz LA, et al. **J Chronic Dis** 1986;39(8):619–30

Vagotonia as a cause of syncope [letter] **J Pediatr** 1986 Aug; 109(2):394–5

Symptomatic sinus bradycardia in infants with structurally normal hearts. Rein AJ, et al. **J Pediatr** 1985 Nov; 107(5):724–7

Faint in the supine position. Selective review of the literature and a case report. Milam AB, et al. **J Periodontol** 1986 Jan;57(1):44–7

Recurrent syncopal episodes [letter] Sfedu E. **JAMA** 1986 Mar 21;255(11):1440

Vasovagal syncope? [editorial] **Lancet** 1986 Mar 15; 1(8481):594–5

Prolonged expiratory apnoea in children [letter] Stephenson JB. **Lancet** 1985 Oct 26;2(8461):953

Syncope: a clue to malignant compression of the glossopharyngeal nerve. Prentice DA, et al. **Med J Aust** 1986 May 12;144(10):547–9

Thymoma-induced syncope [letter] Ben-Chetrit E, et al. **N Engl J Med** 1986 Jun 26;314(26):1711

Cardiogenic syncope. Seizure versus syncope. Dohrmann ML, et al. **Neurol Clin** 1986 Aug;4(3):549–62 (52 ref.)

Cardiac syncope: a case exhibiting dichotomy between clinical impression and electrophysiologic evaluation. Aonuma K, et al. **PACE** 1986 Mar;9(2):178–87

Congenital swallowing-induced symptomatic heart block: a case report of a probably hereditary disorder. Golf S, et al. **PACE** 1986 Jul;9(4):602–5

Electrophysiologic studies of patients with hypertrophic cardiomyopathy presenting with syncope of undetermined etiology. Schiavone WA, et al. **PACE** 1986 Jul;9(4):476–81

Swallowing syncope in a child. Woody RC, et al. **Pediatrics** 1986 Sep;78(3):507–9

Syncope in the elderly. Report of 3 cases with sick sinus syndrome. Maartens G, et al. **S Afr Med J** 1986 May 10; 69(10):643–4

Micturition syncope: an atypical case. Eason AA. **Urology** 1986 Apr;27(4):354–5

[Report of 18 cases of cough syncope] Xue LF. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1985 Oct;8(5):296–7, 320 (Eng. Abstr.) (Chi)

[The EEG in acute abdomen; intermittent consciousness disorders as a result of abdominal disorders] de Koning Gans HJ, et al. **Ned Tijdschr Geneeskd** 1985 Dec 28; 129(52):2481–2 (Dut)

[Syncope as a misinterpreted leading symptom of pulmonary embolism] Stöllberger C, et al. **Dtsch Med Wochenschr** 1986 Mar 21;111(12):443–6 (Eng. Abstr.) (Ger)

[The elderly patient falling. Considerations on the pathogenesis and a suggestion for diagnostic procedures] Cottier C, et al. **Schweiz Rundsch Med Prax** 1985 Nov 12;74(46):1251–9 (Eng. Abstr.) (Ger)

[Prognostic significance of initial loss of consciousness in cerebrovascular disorders] Wimmer S, et al. **Wien Klin Wochenschr** 1986 Feb 7;98(3):74–8 (Eng. Abstr.) (Ger)

[Acute loss of consciousness in the aged] Schulz J, et al. **ZFA** 1986 Jan–Feb;41(1):17–20 (Eng. Abstr.) (Ger)

[Cardioinhibitory carotid sinus syndrome: Holter monitoring does not change the clinical selection of patients for treatment] Civardi G, et al. **Clin Ter** 1985 Jul 15;114(1):43–6 (Eng. Abstr.) (Ita)

[Arrhythmia as a frequent cause of syncope: study using dynamic Holter electrocardiography] Molfese G, et al. **Minerva Cardioangiol** 1985 Apr;33(4):197–202 (Eng. Abstr.) (Ita)

[A case of cardioinhibitory type of carotid sinus syndrome] Hayano M, et al. **Kokyu To Junkan** 1986 Feb;34(2):209–14 (Eng. Abstr.) (Jpn)

[A case of chronic subdural hematoma with frequent unconscious attacks] Yoshida R, et al. **Rinsho Shinkeigaku** 1986 Jan;26(1):35–8 (Eng. Abstr.) (Jpn)

[Orthostatic syncope in bilateral orchitis] Czaicki J. **Pediatr Pol** 1985 Jul;60(7):549–51 (Pol)

[Electrophysiological studies of the heart in the differential diagnosis of syncopal conditions in children] Bakshese ND. **Pediatriia** 1986 Jun;(6):14–7 (Eng. Abstr.) (Rus)

[Bettolepsy (cough–cerebral syndrome) in the clinical picture of occupational diseases] Delnega VG, et al. **Ter Arkh** 1986; 58(4):139–40 (Eng. Abstr.) (Rus)

[A case of bettolepsy] Golikov BM, et al. **Ter Arkh** 1986; 58(4):137–8 (Rus)

[Syncope as the initial manifestation of syringomyelia associated with an Arnold–Chiari abnormality: diagnostic value of computerized tomography] Arias M, et al. **Med Clin (Barc)** 1986 Apr 5;86(13):550–1 (Eng. Abstr.) (Spa)

FAMILIAL & GENETIC

The surdo-cardiac syndrome. Jervell A. **Eur Heart J** 1985 Nov;6 Suppl D:97–102

MORTALITY

Evaluation of prognostic classifications for patients with syncope. Eagle KA, et al. **Am J Med** 1985 Oct;79(4):455–60

PHYSIOPATHOLOGY

The origin of giant U waves [letter] Nikolic G. **Am J Cardiol** 1985 Dec 1;56(15):1003

Driving impairment caused by episodic brain dysfunction. Restrictions for epilepsy and syncope. Spudis EV, et al. **Arch Neurol** 1986 Jun;43(6):558–64

Vasodepressor carotid sinus syncope [letter] Clouston WM, et al. **Aust NZ J Med** 1985 Jun;15(3):363

Syncope and tumours in the neck: carotid sinus or glossopharyngeal syndrome? Cicogna R, et al. **Eur Heart J** 1985 Nov;6(11):979–84

Syncope, tachycardia, and exertional dyspnea. Dorian P. **Hosp Pract [Off]** 1985 May 15;20(5):87, 90–1

The value of intracardiac electrophysiologic techniques in recurrent syncope of "unknown cause" Kaul U, et al. **Int J Cardiol** 1986 Jan;10(1):23–31

Vagotonia in infants, children, adolescents and young adults. Sapire DW, et al. **Int J Cardiol** 1985 Oct;9(2):211–24

Vasovagal syncope [letter] Dighton DH. **Lancet** 1986 Apr 26;1(8487):982

[Hyperventilation and prolonged QT interval] Woudstra S, et al. **Ned Tijdschr Geneeskd** 1985 Nov 16;129(46):2210–3 (Eng. Abstr.) (Dut)

[Central hemodynamic changes during orthostatic collapse] Momot MD, et al. **Klin Med (Mosk)** 1985 Sep;63(9):130–2 (Rus)

SURGERY

Trigeminal neuralgia [letter] Jannetta PJ. **Neurosurgery** 1986 May;18(5):677

THERAPY

Management of cardioinhibitory hypersensitive carotid sinus syncope with permanent cardiac pacing—a seventeen year prospective study. Peretz DI, et al. **Can J Cardiol** 1985 Mar;1(2):86–91

Symptomatic "isolated" carotid sinus hypersensitivity: natural history and results of treatment with anticholinergic drugs or pacemaker. Sugrue DD, et al. **J Am Coll Cardiol** 1986 Jan;7(1):158–62

The psychophysiological process of therapy in a case of injury-scene-elicited fainting. Kozak MJ, et al. **J Behav Ther Exp Psychiatry** 1985 Jun;16(2):139–45

Relaxation based treatment of stress induced syncope. McGrady AV, et al. **J Behav Ther Exp Psychiatry** 1986 Mar;17(1):23–7

Postural syncope and trigeminal neuralgia relieved by percutaneous rhizotomy with glycerol. Arias MJ.

Neurosurgery 1985 Nov;17(5):826–8
[Therapy of so-called syncope attacks and neurogenic, normocalcemic tetanic syndrome] Stössel K.
Psychiatr Neurol Med Psychol Beih 1966;4–5:104–15 (Ger)

SYNDACTYLIA

[Poland–Moebius syndrome. Description of a new case] Scarano G, et al. Pediatr Med Chir 1986 Jan–Feb;8(1):111–2 (Eng. Abstr.) (Ita)

COMPLICATIONS

Greig cephalopolysyndactyly syndrome. Report of a sporadic case. Kunze J, et al. Helv Paediatr Acta 1985;40(6):489–95
Moebius–Poland syndrome. Gupta S, et al.
J Assoc Physicians India 1985 Jul;33(7):485–6
Poland syndrome associated with 'morning glory' syndrome (coloboma of the optic disc). Pilteljić DT, et al.
J Med Genet 1986 Aug;23(4):364–6
[Poland syndrome associated with Moebius syndrome] Prati R, et al. Pediatr Med Chir 1985 Nov–Dec;7(6):901–3 (Eng. Abstr.) (Ita)
[Cutis marmorata telangiectatica congenita. Associated abnormalities] López–Herce Cid J, et al.
An Esp Pediatr 1985 Jun;22(8):575–80 (Eng. Abstr.) (Spa)

CONGENITAL

[Poland syndrome. Case contribution and critical review of the literature] Franzoni R, et al. Minerva Pediatr 1985 Sep 30;37(18):691–5 (Eng. Abstr.) (Ita)

DIAGNOSIS

Poland's syndrome. Including ultrasonography of the pectoralis muscle as a new diagnostic modality. Rinseeuw GA, et al. J Belge Radiol 1985;68(3):231–6

EMBRYOLOGY

Subclavian artery supply disruption sequence: hypothesis of a vascular etiology for Poland, Klippel–Feil, and Möbius anomalies. Bavinck JN, et al. Am J Med Genet 1986 Apr; 23(4):903–18 (62 ref.)

ETIOLOGY

Congenital upper limb anomalies: an etiologic grouping of clinical, genetic, and epidemiologic data from 387 patients with "absence" defects, constriction bands, polydactylies, and syndactylies. Wynne–Davies R, et al.
J Hand Surg [Am] 1985 Nov;10(6 Pt 2):958–64

FAMILIAL & GENETIC

Type II syndactyly or synpolydactyly. Merlob P, et al.
J Med Genet 1986 Jun;23(3):237–41
Familial occurrence of malformations possibly attributable to vascular abnormalities [letter] Bartoshesky LE, et al.
J Pediatr 1986 Aug;109(2):396
[Familial case of duplication of the optic disk associated with syndactyly and oligophrenia] Ginter EK, et al.
Vestn Oftalmol 1985 Sep–Oct;101(5):69–70 (Rus)

PATHOLOGY

[Poland syndrome. Clinical and structural considerations] Micali G, et al. Pediatr Med Chir 1985 May–Jun; 7(3):447–50 (Eng. Abstr.) (Ita)
[Poland's syndrome. Presentation of a case (letter)] Rami Porta R, et al. Rev Clin Esp 1986 Feb;178(3):144–5 (Spa)

RADIOGRAPHY

Polydactyly and polysyndactyly of the fifth toe. Nogami H.
Clin Orthop 1986 Mar;(204):261–5
[Poland's syndrome] Ravnborg L, et al. Ugeskr Laeger 1985 Sep 30;147(40):3167–8 (Eng. Abstr.) (Dan)

SURGERY

Early correction of the thoracic deformity of Poland's syndrome in children with the latissimus dorsi muscle flap: long term follow–up of two cases. Anderl H, et al.
Br J Plast Surg 1986 Apr;39(2):167–72
Tissue expansion in reconstructive hand surgery: case report. Morgan RF, et al. J Hand Surg [Am] 1985 Sep;10(5):754–7

VETERINARY

Ectrodactyly and syndactyly in a common marmoset (Callithrix jacchus). French JM. Lab Anim 1986 Jan; 20(1):49–50

SYNDROME see under DISEASE

SYNEPHRINE

PHARMACODYNAMICS

[The effect of oxedrine on the left ventricle and peripheral vascular resistance] Hofstetter R, et al.
Arzneimittelforschung 1985;35(12):1844–6 (Eng. Abstr.) (Ger)

SYNOSTOSIS

Tarsal coalitions. Perlman MD, et al. J Foot Surg 1986 Jan–Feb;25(1):58–67
Rare coincidence of bilateral extensor digitorum brevis manus and bilateral capitate–hamate synostosis. Bromley GS.
J Hand Surg [Am] 1986 Jan;11(1):37–40

COMPLICATIONS

[Bilateral lunato–triquetral synostosis with bilateral fracture of the scaphoid bone] Julie R, et al. Ann Chir Main 1985; 4(4):323–7 (Eng. Abstr.) (Fre)

ETIOLOGY

Iatrogenic metatarsal coalition: a postoperative complication of adjacent V–osteotomies. Hart DJ, et al. J Foot Surg 1985 May–Jun;24(3):205–8
[Bilateral radial carpal synostoses as long–term consequences of a reflex dystrophy following successive bilateral radius fractures] Fischer E. Radiologe 1986 May;26(5):230–2 (Eng. Abstr.) (Ger)

PATHOLOGY

[Synostosis dynamics in human long tubular bones] Aleksina LA. Arkh Anat Gistol Embriol 1985 Nov;89(11):69–74 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

[Sagittal synostosis with increased intracranial pressure in an 8–year–old boy. Case report] Utoh A, et al.
Neurol Med Chir (Tokyo) 1985 Oct;25(10):850–4 (Eng. Abstr.) (Jpn)

RADIOGRAPHY

[The lunate–triquetral coalition] Kollár J, et al. ROFO 1986 Mar;144(3):364–6 (Ger)

SURGERY

[Post–traumatic radio–ulnar synostoses in childhood] Bätz W, et al. Aktuel Traumatol 1986 Feb;16(1):13–6 (Eng. Abstr.) (Ger)

SYNOVIAL CYST

Dorsal tendosynovial cyst. Rosenberg A.
J Am Podiatr Med Assoc 1986 Aug;76(8):455–7

COMPLICATIONS

Reversible cause of back pain and sciatica in rheumatoid arthritis: an apophyseal joint cyst. Jacob JR, et al.
Arthritis Rheum 1986 Mar;29(3):431–5
Median nerve compression caused by a synovial cyst. Lewis RC Jr, et al. Bull Hosp Jt Dis Orthop Inst 1986 Spring; 46(1):68–71
Carpal tunnel syndrome caused by a simple ganglion. McMinn DJ. J R Coll Surg Edinb 1985 Oct;30(5):325–6
A case report of a compressive neuropathy of the radial sensory nerve caused by a ganglion cyst at the elbow. Hermansdorfer JD, et al. Orthopedics 1986 Jul;9(7):1005–6

DIAGNOSIS

Intraarticular ganglion of the dorsal interosseous scapholunate ligament: a case for arthroscopy. Viegas SF.
Arthroscopy 1986;2(2):93–5
Symptomatic intraspinal synovial cyst in a 66–year–old marathon runner. Bland JH, et al. J Rheumatol 1985 Oct; 12(5):1006–10
Medial meniscal cysts. Case report and review of the literature. Spence KF Jr, et al. Orthopedics 1986 Aug; 9(8):1093–6
High–field MR surface–coil imaging of the hand and wrist. Part II. Pathologic correlations and clinical relevance. Weiss KL, et al. Radiology 1986 Jul;160(1):147–52
Magnetic resonance imaging of lesions of synovial origin. Sundaram M, et al. Skeletal Radiol 1986;15(2):110–6
[Synovial cyst of the hip. 2 cases presenting with vascular symptomatology] Benichou M, et al. J Mal Vasc 1985; 10(3):209–11 (Eng. Abstr.) (Fre)
[Synovial cysts of unusual localization. 2 cases and review of the literature] Lerais JM, et al. J Radiol 1986 Mar; 67(3):201–7 (Eng. Abstr.) (Fre)

PATHOLOGY

Digital myxoid cysts: a review. Sonnex TS. Cutis 1986 Feb; 37(2):89–94
Synovial swellings over wrist in leprosy. Malaviya GN, et al. Indian J Lepr 1985 Apr–Jun;57(2):350–3
Ganglion of the ankle. Macpherson M, et al.
J Am Acad Dermatol 1985 Nov;13(5 Pt 2):873–7
Synovial cyst of the hallux. A case report. Wenig JA, et al. J Am Podiatr Med Assoc 1986 Jan;76(1):7–12
Intraosseous ganglion of the ankle. Newland Z, et al.
J Foot Surg 1986 May–Jun;25(3):241–6
A case of an intratendinous ganglion. Young SC, et al.
J Hand Surg [Am] 1985 Sep;10(5):723–4
[Intraneural ganglion cyst of the deep peroneal nerve] Jensen EK, et al. Ugeskr Laeger 1985 Sep 2;147(36):2834 (Eng. Abstr.) (Dan)

RADIOGRAPHY

Radiologic recognition of symptomatic spinal synovial cysts. Casselman ES. AJNR 1985 Nov–Dec;6(6):971–3
Computed tomography of extraosseous ganglia. Present DA, et al. Clin Orthop 1986 Jan;(202):249–53
Intraspinal synovial cyst: diagnosis by CT. Follow–up and spontaneous remission. Mercader J, et al.
Neuroradiology 1985;27(4):346–8
[Synovial cysts of the hip. Diagnosis by x–ray computed tomography] Garcia J, et al. J Radiol 1985 Jun–Jul; 66(6–7):425–32 (Eng. Abstr.) (Fre)

SURGERY

Dorsal wrist pain and the occult scapholunate ganglion. Gunther SF. J Hand Surg [Am] 1985 Sep;10(5):697–703
[Follow–up of 425 operated ganglion patients] Flügel M, et al. Handchir Mikrochir Plast Chir 1986 Jan;18(1):47–52 (Eng. Abstr.) (Ger)
[Ganglion in the discus triangularis. First description] Wadstroem J, et al. Handchir Mikrochir Plast Chir 1986 Jan;18(1):53–4 (Eng. Abstr.) (Ger)
[Intraneural ganglion of the ulnar nerve. Case description] Mohsenipour I, et al. Zentralbl Neurochir 1986;47(1):63–5 (Eng. Abstr.) (Ger)

THERAPY

Aspiration of ganglia. Nield DV, et al. J Hand Surg [Br] 1986 Jun;11(2):264
Ganglion—to cut or needle? [letter] O'Rourke DA.
Med J Aust 1985 Sep 30;143(7):321–2
Fine needle aspiration in the treatment of ganglion cysts. Esteban JM, et al. South Med J 1986 Jun;79(6):691–3

ULTRASTRUCTURE

[Ganglia: their ultrastructure and origin] Gaździk T.
Pol Tyg Lek 1985 Sep 2;40(35):985–6 (Eng. Abstr.) (Pol)

SYNOVIAL FLUID

Joint fluid after aspiration. A disturbing factor in knee arthrography. de Carvalho A, et al.
Acta Radiol [Diagn] (Stockh) 1985 Nov–Dec;26(6):715–7
MRI of joint fluid in the normal and ischemic hip. Mitchell DG, et al. AJR 1986 Jun;146(6):1215–8
Joint effusions: MR imaging. Beltran J, et al. Radiology 1986 Jan;158(1):133–7
[Differential diagnosis of knee joint effusions of uncertain origin from the surgical viewpoint] Siggelkow G.
Z Arztl Fortbild (Jena) 1986;80(5):199–201 (Ger)

ANALYSIS

T lymphocyte lines from arthritic synovial fluid: establishment and function. Bishop CJ, et al.
Ann Rheum Dis 1986 Feb;45(2):120–5
Concentration and molecular weight of sodium hyaluronate in synovial fluid from patients with rheumatoid arthritis and other arthropathies. Dahl LB, et al.
Ann Rheum Dis 1985 Dec;44(12):817–22
Gastrointestinal peptides in serum and synovial fluid from patients with inflammatory joint disease. Lygren I, et al.
Ann Rheum Dis 1986 Aug;45(8):637–40
Traumatic chylous knee effusion. Reginato AJ, et al.
Ann Rheum Dis 1985 Nov;44(11):793–7
Prevalence of monosodium urate and calcium pyrophosphate dihydrate crystals in postmortem knee synovial fluid [letter] Moens C, et al. Arthritis Rheum 1985 Nov;28(11):1319–20
Reproducibility of synovial fluid analyses. A study among four laboratories. Schumacher HR Jr, et al.
Arthritis Rheum 1986 Jun;29(6):770–4
Post–traumatic chylous joint effusion. White RE, et al.
Arthritis Rheum 1985 Nov;28(11):1303–6
Determination of silver in biological samples using graphite furnace atomic absorption spectrometry based on Zeeman effect background correction and matrix modification. Andersen KJ, et al. Clin Biochem 1986 Jun;19(3):166–70
Concentrations of lanthanides in plasma and synovial fluid in rheumatoid arthritis. Esposito M, et al. Clin Chem 1986 Aug;32(8):1598
Comparison of the effects of different anti–inflammatory drugs on synovial fluid prostanoid concentrations in patients with rheumatoid arthritis. Seppälä E, et al.
Clin Rheumatol 1985 Sep;4(3):315–20
A comparison of plasma and synovial fluid profiles of standard and controlled–release formulations of ketoprofen in patients with rheumatoid arthritis. McCrea JD, et al.
Curr Med Res Opin 1986;10(2):73–81
Fibronectin in plasma and synovial fluid of patients with rheumatic diseases. Duțu A, et al. Med Interne 1986 Jan–Mar;24(1):61–8
Elevated levels of tachykinin–like immunoreactivity in joint fluids from patients with rheumatic inflammatory diseases [letter] Devillier P, et al. N Engl J Med 1986 May 15; 314(20):1323
Ferritin measurement in synovial tissue and fluid in patients with inflammatory joint disease. Reyes PA, et al.
Rev Invest Clin 1986 Apr–Jun;38(2):135–8
An assay for estimating the cytotoxicity of synovial fluid from patients with rheumatoid arthritis. Blann AD.
Scand J Clin Lab Invest 1985 Nov;45(7):665–7

[Determination of synovial fibronectin by laser nephelometry. Its diagnostic value in rheumatology] North ML, et al. **Ann Biol Clin (Paris)** 1985;43(6):861–6 (Eng. Abstr.) (Fre)

[Plasma and synovial beta-2-microglobulin. Results of a personal study] Lecocq J, et al. **Rev Rhum Mal Osteoartic** 1985 Oct;52(10):549–54 (Eng. Abstr.) (Fre)

[Value of the measurement of intra-articular lactates. Contribution to the diagnosis of septic arthritis. Interpretation of 370 evaluations] Roux C, et al. **Rev Rhum Mal Osteoartic** 1985 Nov;52(11):613–8 (Eng. Abstr.) (Fre)

[Relation between the cellularity and lactic acid level in 55 synovial fluids and research on concentration profile as a function of the etiology] Tebib J, et al. **Rev Rhum Mal Osteoartic** 1986 May;53(5):295–9 (Eng. Abstr.) (Fre)

[Trace element components of the synovial fluid in rheumatoid polyarthritis and arthrosis] Suteanu S, et al. **Rev Med Interna [Med Interna]** 1985 Sep–Oct;37(5):421–4 (Rum)

[Role of haptoglobin in injuries of the knee joint] Redin VA, et al. **Ortop Travmatol Protez** 1986 Mar;(3):49–51 (Rus)

[Fibrinolytic properties of the blood and synovial fluid in patients with rheumatoid arthritis] Erov NK. **Revmatologiia (Moskva)** 1986 Apr–Jun;(2):26–32 (Eng. Abstr.) (Rus)

CYTOLOGY

Synovial fluid mast cells [letter] Crisp AJ. **Ann Rheum Dis** 1985 Oct;44(10):724–5

Synovial fluid cells in Reiter's syndrome. Nordström D, et al. **Ann Rheum Dis** 1985 Dec;44(12):852–6

Methylprednisolone infusion therapy in rheumatoid arthritis patients. The effect on synovial fluid lymphocyte subsets and inflammatory indices. Bertouch JV, et al. **Arthritis Rheum** 1986 Jan;29(1):32–8

Phagocytosis and intracellular killing of Staphylococcus aureus by polymorphonuclear cells from synovial fluid of patients with rheumatoid arthritis. Breedveld FC, et al. **Arthritis Rheum** 1986 Feb;29(2):166–73

Mast cell numbers and histamine levels in synovial fluids from patients with diverse arthritides. Malone DG, et al. **Arthritis Rheum** 1986 Aug;29(8):956–63

The inflammatory response in the synovium of a patient with Ross River arbovirus infection. Hazelton RA, et al. **Aust NZ J Med** 1985 Jun;15(3):336–9

The biological response to titanium and titanium-aluminium-vanadium alloy particles. I. Tissue culture studies. Rae T. **Biomaterials** 1986 Jan;7(1):30–6

The distribution of dendritic cells in the synovial fluids of patients with arthritis. Harding B, et al. **Clin Exp Immunol** 1986 Mar;63(3):594–600

Role of synovial fluid cells in the healing of flexor tendons. Menon J, et al. **Clin Orthop** 1985 Oct;(199):300–5

Analysis of T-cell cultures and clones from a patient with classic rheumatoid arthritis—evidence for the existence of autoreactive T-cell clones in blood and synovial fluid. Schlesier M, et al. **Rheumatol Int** 1984;4 Suppl:1–9

[Non-lymphoid mononucleated cells in the synovial fluid in arthrosis and various inflammatory arthropathies. Morphologic, quantitative and cytoenzymologic study] Serre G, et al. **Bull Assoc Anat (Nancy)** 1984 Sep; 68(202):293–314 (Eng. Abstr.) (Fre)

[Clinical significance of cytologic findings in joint effusion in chronic polyarthritis] Jäger B, et al. **Beitr Orthop Traumatol** 1986 Mar;33(3):139–44 (Eng. Abstr.) (Ger)

[Rationale for complete continuous evacuation of hemo-synovial fluid following knee joint surgery (review of the literature and personal observations)] Redin VA, et al. **Vestn Khir** 1986 Jan;136(1):100–2 (Rus)

DRUG EFFECTS

Therapeutic effects on cartilage metabolism in arthritis as measured by release of proteoglycan structures into the synovial fluid. Saxne T, et al. **Ann Rheum Dis** 1986 Jun; 45(6):491–7

Changes in the synovia after the intra-articular injection of sodium hyaluronate into normal horse joints and after arthrotomy and experimental cartilage damage. Hilbert BJ, et al. **Aust Vet J** 1985 Jun;62(6):182–4

[Protection of the synovial fluid by higenamine] Zhang JJ, et al. **Yao Hsueh Hsueh Pao** 1985 Jun;20(6):423–6 (Eng. Abstr.) (Chi)

[Changes in articular proteoglycans in treatment with tiaprofenic acid] Reginster JY, et al. **Rev Med Liege** 1985 Sep 1;40(17):596–9 (Fre)

ENZYMOLOGY

Biochemical analysis of articular environment in diseases of motor apparatus. Vrublovský P, et al. **Acta Univ Palacki Olomuc Fac Med** 1982;102:323–36

The inhibitory profiles of hog pancreatic and human rheumatoid synovial cell phospholipases A2. Nixon JS, et al. **Agents Actions** 1986 Jan;17(3–4):299–301

Adenosine triphosphate pyrophosphohydrolase and neutral inorganic pyrophosphatase in pathologic joint fluids. Elevated pyrophosphohydrolase in calcium pyrophosphate dihydrate crystal deposition disease. Rachow JW, et al. **Arthritis Rheum** 1985 Nov;28(11):1283–8

Partial characterization of synovial fluid nucleotide pyrophosphohydrolase. Rachow JW, et al. **Arthritis Rheum** 1985 Dec;28(12):1377–83

Stromelysin, a connective tissue-degrading metalloendopeptidase secreted by stimulated rabbit synovial fibroblasts in parallel with collagenase. Biosynthesis, isolation, characterization, and substrates. Chin JR, et al. **J Biol Chem** 1985 Oct 5;260(22):12367–76

Cytochemical investigation of cathepsin B in rheumatoid synovial membrane and fluid. Codorean E, et al. **Morphol Embryol (Bucur)** 1985 Oct–Dec;31(4):269–74

[Acid lysosomal hydrolase activity in the serum and synovial fluid of rheumatoid arthritis patients] Pelcheva V, et al. **Vutr Boles** 1986;25(2):84–8 (Eng. Abstr.) (Bul)

[Dipeptidyl peptidase IV activity in the serum and synovia of patients with rheumatoid arthritis] Küllertz G, et al. **Z Rheumatol** 1986 Mar–Apr;45(2):52–6 (Eng. Abstr.) (Ger)

[Alkaline phosphatase activity in blood serum and synovia of healthy and infected joints and non-infected joint inflammations in cattle] Karatzias H, et al. **Zentralbl Veterinarmed [A]** 1986 Mar;33(3):231–5 (Eng. Abstr.) (Ger)

[Studies on collagenase activity in patients with rheumatoid arthritis—relationship of immune complex, IgG-rheumatoid factor and prostaglandin E2 level] Sekine F, et al. **Nippon Naika Gakkai Zasshi** 1986 Apr;75(4):488–94 (Jpn)

[Role of cathepsin D of synovial fluid of the knee joint in the pathogenesis of traumatic arthritis] Masleanikov EIu, et al. **Vestn Khir** 1985 Jun;134(6):103–6 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Synthesis of antibodies, including antiviral antibodies, in the knee joints of patients with arthritis. Mims CA, et al. **Ann Rheum Dis** 1985 Nov;44(11):734–7

Functional capacities of T lymphocyte subsets from synovial fluid and blood in rheumatoid arthritis. Petersen J. **Ann Rheum Dis** 1986 Jul;45(7):539–45

Immunocytology of synovial fluid cells may be of diagnostic and prognostic value in arthritis. Poulter LW, et al. **Ann Rheum Dis** 1986 Jul;45(7):584–90

Interleukin-1 lymphocyte chemotactic activity in rheumatoid arthritis synovial fluid. Miossec P, et al. **Arthritis Rheum** 1986 Apr;29(4):461–70

Complement activation in rheumatoid arthritis evaluated by C3dg and the terminal complement complex. Mollnes TE, et al. **Arthritis Rheum** 1986 Jun;29(6):715–21

Elevated C3 anaphylatoxin levels in synovial fluids from patients with rheumatoid arthritis. Moxley G, et al. **Arthritis Rheum** 1985 Oct;28(10):1089–95

Proliferative responses of mononuclear cells in Lyme disease. Reactivity to Borrelia burgdorferi antigens is greater in joint fluid than in blood. Sigal LH, et al. **Arthritis Rheum** 1986 Jun;29(6):761–9

Evidence for enhanced interleukin 2 (IL-2) secretion and IL-2 receptor presentation by synovial fluid lymphocytes in rheumatoid arthritis. Lemm G, et al. **Clin Exp Immunol** 1986 Apr;64(1):71–9

Complement activation products and factors influencing phagocyte migration in synovial fluids from children with chronic arthritis. Miller JJ 3d, et al. **Clin Exp Rheumatol** 1986 Jan–Mar;4(1):53–6

Studies of rheumatoid synovial fluid lymphocytes. III. Phenotypic and functional analysis of natural killer-like cells. Silver RM. **Clin Immunol Immunopathol** 1986 Apr; 39(1):159–67

Proliferative responses of T-cell lines grown from joint fluids of patients with rheumatoid arthritis and other arthritides. Abdel-Nour AN, et al. **Immunol Lett** 1986 Jun; 12(5–6):329–33

Early rheumatoid-like synovial lesions in rabbits drinking cow's milk. II. Antibody responses to bovine serum proteins. Hanglow AC, et al. **Int Arch Allergy Appl Immunol** 1985;78(2):152–60

Very late activation antigens on rheumatoid synovial fluid T lymphocytes. Association with stages of T cell activation. Hemler ME, et al. **J Clin Invest** 1986 Sep;78(3):696–702

Basis for defective responses of rheumatoid arthritis synovial fluid lymphocytes to anti-CD3 (T3) antibodies. Lotz M, et al. **J Clin Invest** 1986 Sep;78(3):713–21

Influence of C3 level on the determination of C3d in plasma and synovial fluid by radial immunodiffusion. Hack CE, et al. **J Immunol Methods** 1986 Feb 12;86(2):191–8

Intraarticular T lymphocytes in monoarticular and oligoarticular inflammatory joint diseases. Normal subset distribution and less numbers of activated T cells indicate major differences as compared to rheumatoid arthritis. Jahn B, et al. **J Rheumatol** 1986 Apr;13(2):254–8

Properties and reactivity of immune complexes in rheumatoid synovial fluid. Mochan E, et al. **Rheumatol Int** 1986; 6(3):103–9

Pokeweed mitogen-induced secretion of IgG- and IgM-rheumatoid factors by synovial fluid and blood B lymphocytes in rheumatoid arthritis. Petersen J, et al. **Rheumatol Int** 1986;6(3):115–20

The effects of synovial fluid macrophages and interleukin-1 on hyaluronic acid synthesis by normal synovial fibroblasts. Pulkki K. **Rheumatol Int** 1986;6(3):121–5

Lymphocyte activation in rheumatoid arthritis synovial fluid in vivo. Konttinen Y, et al. **Scand J Immunol** 1985 Nov; 22(5):503–7

Cell-mediated immune response in the diseased joints in patients with reactive arthritis. Konttinen YT, et al. **Scand J Immunol** 1986 Jun;23(6):685–91

T lymphocyte subpopulations in synovial fluid in ankylosing spondylitis. Chou CT, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Jan;85(1):26–9

Antiglycolipid antibodies in normal and pathologic human sera and synovial fluids. Kaise S, et al. **Vox Sang** 1985; 49(4):292–300

Lucigenin-amplified chemiluminescence in blood and synovial fluid phagocytes of pigs with erysipelas arthritis. Ernst H, et al. **Zentralbl Veterinarmed [B]** 1985 Dec; 32(10):774–84

[Immunopathological study of synovial tissue and fluid in rheumatoid arthritis] Xu WD, et al. **Chung Hua Nei Ko Tsa Chih** 1985 May;24(5):284–6, 319 (Eng. Abstr.) (Chi)

[Activation of T lymphocytes in the blood and joints of patients with rheumatoid polyarthritis] Youinou P, et al. **Rev Rhum Mal Osteoartic** 1985 Jul–Sep;52(7–9):473–7 (Eng. Abstr.) (Fre)

[Leukocyte agglomeration in synovial fluid] Fischer H, et al. **Z Gesamte Inn Med** 1985 Oct 15;40(20):596–8 (Eng. Abstr.) (Ger)

[An immunochemical study of extracts from synovial fluid cells in rheumatoid arthritis] Kataoka Y. **Nippon Seikeigeka Gakkai Zasshi** 1986 Mar;60(3):287–94 (Eng. Abstr.) (Jpn)

[Immunologic and ultrastructural analysis of lymphocytes in rheumatoid synovial fluid] Gabrielescu E, et al. **Rev Med Interna [Med Interna]** 1985 Nov–Dec; 37(6):567–74 (Eng. Abstr.) (Rum)

[Mechanisms of the regulation of fibroblast proliferation in patients with rheumatoid arthritis] Shirinskil VS, et al. **Revmatologiia (Moskva)** 1986 Jan–Mar;(1):43–5 (Eng. Abstr.) (Rus)

METABOLISM

Synovial fluid kinetics of non-steroidal anti-inflammatory drugs. Furst DE. **Agents Actions [Suppl]** 1985;17:65–78

Prediction of pharmacokinetic profiles of ampicillin sodium, gentamicin sulfate, and combination ampicillin sodium-gentamicin sulfate in serum and synovia of healthy horses. Bowman KF, et al. **Am J Vet Res** 1986 Jul; 47(7):1590–6

Pharmacokinetics and body fluid and endometrial concentrations of cephapirin in mares. Brown MP, et al. **Am J Vet Res** 1986 Apr;47(4):784–8

A morphological study of macrophage and synovial cell interactions with hydroxyapatite crystals. Hirsch RS, et al. **Ann Rheum Dis** 1985 Dec;44(12):844–51

Aztreonam penetration into synovial fluid and bone. MacLeod CM, et al. **Antimicrob Agents Chemother** 1986 Apr;29(4):710–2

Alpha 2-macroglobulin-proteinase complexes as correlated with alpha 1-proteinase inhibitor-elastase complexes in synovial fluids of rheumatoid arthritis patients. Borth W, et al. **Arthritis Rheum** 1986 Mar;29(3):319–25

Effects of gold therapy on the synthesis and quantity of serum and synovial fluid IgM, IgG, and IgA rheumatoid factors in rheumatoid arthritis patients. Hanly JG, et al. **Arthritis Rheum** 1986 Apr;29(4):480–7

Low synovial clearance of iodide provides evidence of hypoperfusion in chronic rheumatoid synovitis. Wallis WJ, et al. **Arthritis Rheum** 1985 Oct;28(10):1096–1104

Purification of a metalloproteinase inhibitor from human rheumatoid synovial fluid. Mercer E, et al. **Biochem J** 1985 Nov 1;231(3):505–10

Plasma and synovial fluid kinetics of flurbiprofen in rheumatoid arthritis. Aarons L, et al. **Br J Clin Pharmacol** 1986 Feb;21(2):155–63

Decreased inhibition of proteolysis by osteoarthritic synovial fluids. Nahir AM, et al. **Br J Exp Pathol** 1986 Jun; 67(3):453–9

A pharmacokinetic comparison of tenoxicam in plasma and synovial fluid. Bird HA, et al. **Br J Rheumatol** 1985 Nov; 24(4):351–6

beta-Endorphin, immunological and biochemical changes in synovial fluid in rheumatic disorders. Denko CW, et al. **Clin Rheumatol** 1986 Jan;5(1):25–32

Plasma and synovial fluid concentrations of isoxicam in meniscectomized patients. Ballerini R, et al. **Drugs Exp Clin Res** 1985;11(8):517–21

Gentisate, a salicylate metabolite with antioxidant properties. Cleland LG, et al. **Drugs Exp Clin Res** 1985;11(8):463–7

Synovial fluid and plasma kinetics of methylprednisolone and methylprednisolone acetate in horses following intra-articular administration of methylprednisolone acetate. Autefage A, et al. **Equine Vet J** 1986 May; 18(3):193–8

The penetration of ceftriaxone into synovial fluid of the inflamed joint. Morgan JR, et al. **J Antimicrob Chemother** 1985 Sep;16(3):367–71

Ibuprofen kinetics in plasma and synovial fluid of arthritic patients. Gallo JM, et al. **J Clin Pharmacol** 1986 Jan; 26(1):65–70

Synovial fluid nutrient delivery in the diathrial joint: an analysis of rabbit knee ligaments. Amiel D, et al. **J Orthop Res** 1986;4(1):90–5

Bovine plasma and synovial fluid kinetics of

methylprednisolone and methylprednisolone acetate after intra-articular administration of methylprednisolone acetate. Toutain PL, et al. **J Pharmacol Exp Ther** 1986 Mar;236(3):794–802

Histamine levels in human synovial fluid. Frewin DB, et al. **J Rheumatol** 1986 Feb;13(1):13–4

Alpha 2-plasmin inhibitor-plasmin complexes in synovial fluid. Inman RD, et al. **J Rheumatol** 1986 Jun;13(3):535–7

Production of mononuclear cell factor by mononuclear phagocytes from rheumatoid synovial fluid. Poubelle P, et al. **J Rheumatol** 1985 Jun;12(3):412–7

Salicylate metabolites in synovial fluid [letter] Simkin PA. **J Rheumatol** 1986 Apr;13(2):462–3

Cyclic adenosine 3'5' monophosphate stimulates prostaglandin E production by human adherent synovial cells. Baker DG, et al. **Prostaglandins** 1985 Oct; 30(4):669–82

Immunochemical and ultrastructural characterization of serum proteins associated with monosodium urate crystals (MSU) in synovial fluid cells from patients with gout. Cherian PV, et al. **Ultrastruct Pathol** 1986;10(3):209–19

[Passage of pefloxacine into the synovial fluid (letter)] Prieur B, et al. **Presse Med** 1985 Nov 16;14(39):2019–20 **(Fre)**

[Penetration of aztreonam in the synovial fluid] Bonadio M, et al. **G Ital Chemioter** 1985 May–Aug;32(2):415–7 (Eng. Abstr.) **(Ita)**

[Collagen metabolites in the serum and synovial fluid of patients with rheumatoid arthritis with positive or negative Waaler-Rose reaction] Kucharz E. **Wiad Lek** 1986 May 1;39(9):602–6 (Eng. Abstr.) **(Pol)**

[Total proteins, protein fractions and various individual proteins in the synovial fluid in orthopedic diseases of the knee joint] Naldenov T, et al. **Ortop Travmatol Protez** 1985 Aug;(8):26–8 **(Rus)**

[Fibronectin of the synovial fluid in rheumatoid arthritis] Daniiarova AS, et al. **Ter Arkh** 1985;57(12):83–5 **(Rus)**

MICROBIOLOGY

Borrelia burgdorferi in joint fluid in chronic Lyme arthritis. Snydman DR, et al. **Ann Intern Med** 1986 Jun; 104(6):798–800

Improved method of isolating bacteria from joint fluids by the use of blood culture bottles. von Essen R, et al. **Ann Rheum Dis** 1986 Jun;45(6):454–7

PATHOLOGY

Joint fluid leukocyte activation by preformed immune complexes. Thomsen P, et al. **Inflammation** 1986 Sep; 10(3):243–56

Nuclear magnetic resonance evaluation of synovial fluid and articular tissues. Baker DG, et al. **J Rheumatol** 1985 Dec; 12(6):1062–5

Hip joint fluid in the presence of the vacuum phenomenon. Middleton WD, et al. **Pediatr Radiol** 1986;16(2):171–2

PHYSIOLOGY

The subcutaneous air pouch model of synovium and the inflammatory response to heat aggregated gammaglobulin. Kowanko IC, et al. **Agents Actions** 1986 Jun;18(3–4):421–8

On the structural and physiological basis of the influence of exercise, movement and immobilization in inflammatory joint diseases. Ahlqvist J. **Ann Chir Gynaecol [Suppl]** 1985; 198:10–8 (60 ref.)

Antioxidant properties of the proteins caeruloplasmin, albumin and transferrin. A study of their activity in serum and synovial fluid from patients with rheumatoid arthritis. Gutteridge JM. **Biochim Biophys Acta** 1986 Jan 30; 869(2):119–27

Micro-elastohydrodynamic lubrication of synovial joints. Dowson D, et al. **Eng Med** 1986 Apr;15(2):63–5

Induction of arthritic processes by synovial fluids of rheumatoid arthritis patients in long-term experiments with mice. Partsch G, et al. **Int J Tissue React** 1986;8(4):303–7

Normal human synovial fluid: osmolality and exercise-induced changes. Baumgarten M, et al. **J Bone Joint Surg [Am]** 1985 Dec;67(9):1336–9

The effect of non-inflamed synovial fluid on neutrophil function in vitro. Matzner Y, et al. **Scand J Rheumatol** 1985; 14(3):252–8

[Hydrodynamics of synovial fluid of the knee joint of the dog by analysis of intra-articular pressure relations] Forstenpointer G, et al. **Berl Munch Tierarztl Wochenschr** 1986 May 1;99(5):171–3 (Eng. Abstr.) **(Ger)**

[Time-dependent flow behavior and fibrinogen content of synovial fluid] Altmann S, et al. **Z Rheumatol** 1985 Mar–Apr;44(2):64–71 (Eng. Abstr.) **(Ger)**

[Viscoelastic properties of normal human synovia and their relation to biomechanics] Rainer F, et al. **Z Rheumatol** 1985 May–Jun;44(3):114–9 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Studies of eicosanoid production in the air pouch model of synovial inflammation. Sedgwick AD, et al. **Agents Actions** 1986 Jun;18(3–4):429–38

Superoxide generation by synovial fluid neutrophils enhanced by immune complexes and suppressed by rheumatoid factor in synovial fluid. Todoroki T, et al. **Rheumatol Int** 1986; 6(3):133–7

SYNOVIAL MEMBRANE

The plica syndrome. A cause of knee pain in the athlete. Subotnick SI, et al. **J Am Podiatr Med Assoc** 1986 May; 76(5):292–3

Solitary loose body within the flexor tendon sheath of the little finger. Ali MA. **J Hand Surg [Br]** 1986 Jun;11(2):299

Ultrasonographic detection of the patellar plica in the knee. Derks WH, et al. **JCU** 1986 Jun;14(5):355–60

Paravertebral synovial osteochondromatosis. A case report. Coscia MF, et al. **Spine** 1986 Jan–Feb;11(1):82–7

[Articular irrigation in arthroscopy] Martinez Moreno JL, et al. **Int Orthop** 1986;10(2):101–4 (Eng. Abstr.) **(Fre)**

[Role of synovial plicae in pathology of the knee] Dupont JY. **Rev Chir Orthop** 1985;71(6):401–3 (Eng. Abstr.) **(Fre)**

[Synovial osteochondromatosis of the metatarsophalangeal joint of the great toe] Matsuyama T, et al. **Gan No Rinsho** 1986 Aug;32(9):1051–5 (Eng. Abstr.) **(Jpn)**

[Bone scintigraphy of synovial osteochondromatosis] Shichijo Y, et al. **Rinsho Hoshasen** 1985 Nov;30(12):1493–4 **(Jpn)**

[Mediopatellar fold syndrome] Levenets VN, et al. **Ortop Travmatol Protez** 1985 Nov;(11):18–22 (Eng. Abstr.) **(Rus)**

ANALYSIS

Synovial amyloid deposits and chronic haemodialysis [letter] **Ann Rheum Dis** 1986 May;45(5):438–9

Comment on article by Husby and Williams. Immunohistochemical studies of interleukin 2 and gamma interferon in rheumatoid arthritis synovial tissue [letter] Warrington RJ, et al. **Arthritis Rheum** 1985 Nov; 28(11):1318

Metallothionein in cultured human epithelial cells and synovial rheumatoid fibroblasts after in vitro treatment with auranofin. Glennås A, et al. **Biochem Pharmacol** 1986 Jun 15;35(12):2033–40

Amyloid arthropathy: characterization of the amyloid protein. Pras M, et al. **Clin Exp Rheumatol** 1985 Oct–Dec; 3(4):327–31

Ferritin measurement in synovial tissue and fluid in patients with inflammatory joint disease. Reyes PA, et al. **Rev Invest Clin** 1986 Apr–Jun;38(2):135–8

[Localization of carbohydrate component in human synovial lining cells with fluorescent lectins and enzyme digestion] Itokazu M, et al. **Nippon Seikeigeka Gakkai Zasshi** 1985 Dec;59(12):1089–96 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

Human zygapophyseal joint synovial folds. Giles LG, et al. **Acta Anat (Basel)** 1986;126(2):110–4

Digital flexor tendon sheath: an anatomic study. Strauch B, et al. **J Hand Surg [Am]** 1985 Nov;10(6 Pt 1):785–9

Plica as a cause of anterior knee pain. Patel D. **Orthop Clin North Am** 1986 Apr;17(2):273–7

[The mediopatellar synovial plica] Eiskjaer S. **Ugeskr Laeger** 1986 Mar 10;148(11):635–8 (30 ref.) (Eng. Abstr.) **(Dan)**

BLOOD SUPPLY

Binding of normal human mononuclear cells to blood vessels in rheumatoid arthritis synovial membrane. Oppenheimer-Marks N, et al. **Arthritis Rheum** 1986 Jun; 29(6):789–92

Electron microscopic study of rheumatoid synovial vasculature. Intimate relationship between tall endothelium and lymphoid aggregation. Iguchi T, et al. **J Clin Invest** 1986 Feb;77(2):355–61

Rheumatoid- and osteo-arthritis: quantitation of ultrastructural features of capillary endothelial cells. Sattar A, et al. **J Pathol** 1986 Jan;148(1):45–53

Histochemical study of the vascular endothelium of the synovial membrane of rheumatoid arthritis and osteoarthritis by Ulex europaeus agglutinin I (UEA-I). Shoda E, et al. **J Rheumatol** 1985 Oct;12(5):841–5

[Structure of the arterial network in the synovial membrane of the knee joint] Draganić V, et al. **Srp Arh Celok Lek** 1986 Jan;114(1):31–7 (Eng. Abstr.) **(Scc)**

CYTOLOGY

Characterization and functional studies of rheumatoid synovial mast cells. Activation by secretagogues, anti-IgE, and a histamine-releasing lymphokine. Gruber B, et al. **Arthritis Rheum** 1986 Aug;29(8):944–55

Connective tissue components in synovial fibroblast cultures exposed to interleukin 1 and prostaglandin E2. Heino J. **Virchows Arch [Cell Pathol]** 1986;50(4):313–20

DRUG EFFECTS

Effect of intra-articular gentamicin sulfate on normal equine synovial membrane. Stover SM, et al. **Am J Vet Res** 1985 Dec;46(12):2485–91

D-penicillamine inhibition of interleukin-1 production: a possible mechanism for its effect on synovial collagen synthesis? Brisset M, et al. **Int J Tissue React** 1986; 8(4):279–87

The effects of auranofin and gold sodium aurothiomalate on the chemiluminescent response of stimulated synovial tissue cells from patients with rheumatoid arthritis. Harth M, et al. **J Rheumatol** 1985 Oct;12(5):881–4

[Synoviorthese of the knee with osmium tetroxide in rheumatoid polyarthritis. Clinical, biological and histopathological observations] Bologiu HD, et al. **Rev Med Interna [Med Interna]** 1985 Sep–Oct;37(5):425–34 (Eng. Abstr.) **(Rum)**

ENZYMOLOGY

Responses of human synovial fibroblasts to mononuclear cell factors and retinoic acid. Hamilton JA. **Agents Actions [Suppl]** 1986;18:47–54

Biochemical and histological changes in osteoarthritic synovial membrane. Gedikoglu O, et al. **Ann Rheum Dis** 1986 Apr;45(4):289–92

Neutral proteases in human osteoarthritic synovium. Martel-Pelletier J, et al. **Arthritis Rheum** 1986 Sep; 29(9):1112–21

Effects of 1-hydroxyethylidene-1,1 bisphosphonate and (chloro-4 phenyl) thiomethylene bisphosphonic acid (SR 41319) on the mononuclear cell factor-mediated release of neutral proteinases by articular chondrocytes and synovial cells. Emonds-Alt X, et al. **Biochem Pharmacol** 1985 Nov 15;34(22):4043–9

The stimulation of human synovial fibroblast plasminogen activator activity. Involvement of cyclic AMP and cyclooxygenase products. Hamilton JA, et al. **Biochim Biophys Acta** 1986 Apr 29;886(2):195–202

Cytochemical investigation of cathepsin B in rheumatoid synovial membrane and fluid. Codorean E, et al. **Morphol Embryol (Bucur)** 1985 Oct–Dec;31(4):269–74

Matrix depletion of young and old human articular cartilage by cultured autologous synovium fragments: a chondrocyte-independent effect. Dogterom AA, et al. **Rheumatol Int** 1985;5(4):169–73

IMMUNOLOGY

Immunoglobulin classes in plasma cells of the synovial membrane in chronic inflammatory joint disease. Revell PA, et al. **Ann Rheum Dis** 1986 May;45(5):405–8

Electron microscopic study of HLA-DR and monocyte/macrophage staining cells in the rheumatoid synovial membrane. Iguchi T, et al. **Arthritis Rheum** 1986 May;29(5):600–13

Reactivity of monoclonal anti-type II collagen antibodies with cartilage and synovial tissue in rheumatoid arthritis and osteoarthritis. Klareskog L, et al. **Arthritis Rheum** 1986 Jun;29(6):730–8

Estimation of the relative avidity of 19S IgM rheumatoid factor secreted by rheumatoid synovial cells for human IgG subclasses. Robbins DL, et al. **Arthritis Rheum** 1986 Jun;29(6):722–9

The rheumatoid synovial membrane participates in systemic anti-viral immune responses. Pelton BK, et al. **Clin Exp Immunol** 1985 Dec;62(3):657–61

Synovial inflammation in rheumatoid arthritis. Harris ED Jr. **Hosp Pract [Off]** 1986 Sep 15;21(9):71–82

Rheumatoid arthritis synovial membrane contains a 62,000-molecular-weight protein that shares an antigenic epitope with the Epstein-Barr virus-encoded associated nuclear antigen. Fox R, et al. **J Clin Invest** 1986 May; 77(5):1539–47

Distribution of immunoglobulin heavy chains in diseased synovia. Freemont AJ, et al. **J Clin Pathol** 1986 Jul; 39(7):731–5

Lack of reactivity of rheumatoid arthritis synovial membrane DNA with cloned Epstein Barr virus DNA probes. Fox RI, et al. **J Immunol** 1986 Jul 15;137(2):498–501

Further observations on the response of synovial lymphocytes to viral antigens in rheumatoid arthritis. Ford DK, et al. **J Rheumatol** 1986 Feb;13(1):113–7

In situ evaluation of immunoglobulin synthesis of synovial plasma cells in rheumatoid arthritis and osteoarthritis by plug photometry. Fritz P, et al. **Pathol Res Pract** 1986 May; 181(2):243–8

Rheumatoid non-lymphoid synovial cells and the induction of mixed leukocyte reactions. Low-density preparations containing Ia+ macrophages and dendritic cells are less stimulatory than peripheral blood non-T cells. Burmester GR, et al. **Rheumatol Int** 1984;4 Suppl:31–7

Subclasses of IgG produced in the rheumatoid synovium. Mellbye OJ, et al. **Rheumatol Int** 1984;4 Suppl:49–52

Idiotype expression in rheumatoid synovial plasma cells. Pernis B, et al. **Rheumatol Int** 1984;4 Suppl:39–43

Activated T lymphocytes of the synovial membrane in rheumatoid arthritis and other arthropathies. Poulter LW, et al. **Scand J Immunol** 1985 Dec;22(6):683–90

Rheumatoid synovial dendritic cells as stimulators in allogeneic and autologous mixed leukocyte reactions—comparison with autologous monocytes as stimulator cells. Waalen K, et al. **Scand J Immunol** 1986 Feb;23(2):233–41

T-lymphocyte subsets and HLA-DR-expressing cells in the osteoarthritic synovialis. Johnell O, et al. **Scand J Rheumatol** 1985;14(3):259–64

The humoral immune response of the rheumatoid synovium. Smiley JD, et al. **Semin Arthritis Rheum** 1985 Feb; 14(3):151–62 (68 ref.)

[Immunopathological study of synovial tissue and fluid in rheumatoid arthritis] Xu WD, et al.

Chung Hua Nei Ko Tsa Chih 1985 May;24(5):284–6, 319 (Eng. Abstr.) (Chi)
[Regulation of natural killer activity by adherent cells in synovial rheumatoid medium] Combe B, et al.
Rev Rhum Mal Osteoartic 1985 Jun;52(6):385–90 (Eng. Abstr.) (Fre)
[Activation of T lymphocytes in the blood and joints of patients with rheumatoid polyarthritis] Youinou P, et al.
Rev Rhum Mal Osteoartic 1985 Jul–Sep;52(7–9):473–7 (Eng. Abstr.) (Fre)
[Isolation of immunocompetent cells from the synovial membrane] Panavene DP, et al. **Lab Delo** 1986;(2):119 (Rus)
[Quantitative analysis by a luminescence method of antibodies against cartilage and synovial membrane proteoglycans in the serum of patients with osteoarthrosis deformans] Mazina NM, et al. **Revmatologiia (Moskva)** 1986 Jan–Mar;(1):24–6 (Eng. Abstr.) (Rus)

INNERVATION

Innervation of synovial membrane and meniscus. Grönblad M, et al. **Acta Orthop Scand** 1985 Dec;56(6):484–6

METABOLISM

Sulfate incorporation by mouse synovial cells in vivo. Bjorenson JE, et al. **Acta Anat (Basel)** 1986;125(4):274–8
Experimental osteoarthritis in the rabbit. III. Acute osteoarthritis: subchondral P02 and oxygen consumption and diffusion capacity in the synovial membrane. Svalastoga E, et al. **Acta Vet Scand** 1985;26(3):340–51
Experimental osteoarthritis in the rabbit. II. A new method to estimate the oxygen consumption and diffusion capacity in the synovial membrane of the knee. Svalastoga E, et al. **Acta Vet Scand** 1985;26(3):326–39
Glucocorticoid receptors in fibroblasts from synovial tissue. Changes during the inflammatory process. Preliminary results. Damon M, et al. **Agents Actions** 1986 Mar;17(5–6):478–83
Synthesis of eicosanoids by tissues of the synovial joint during the development of chronic erosive synovitis. Henderson B, et al. **Agents Actions** 1986 Jan;17(3–4):360–2
The effects of some polysulphated polysaccharides on hyaluronate (HA) synthesis by human synovial fibroblasts. Smith MM, et al. **Agents Actions [Suppl]** 1986;18:55–62
Hyaluronic acid production in vitro by synovial lining cells from normal and rheumatoid joints. Dahl IM, et al.
Ann Rheum Dis 1985 Oct;44(10):647–57
IgA rheumatoid factor synthesis by dissociated synovial cells. Characterization and relationship to IgM rheumatoid factor synthesis. Koopman WJ, et al. **Arthritis Rheum** 1985 Nov;28(11):1219–27
Suppression of hyaluronic acid synthesis in synovial organ cultures by corticosteroid suspensions. Myers SL.
Arthritis Rheum 1985 Nov;28(11):1275–82
Extracellular matrix–cytoskeletal interactions in rheumatoid arthritis. I. Immunoelectron microscopic analysis of the fibronexus at the adhesive surface of normal porcine type B synoviocytes in vitro. Singer II, et al.
Arthritis Rheum 1985 Oct;28(10):1105–16
Histamine stimulates prostaglandin E production by rheumatoid synovial cells and human articular chondrocytes in culture. Taylor DJ, et al.
Arthritis Rheum 1986 Feb;29(2):160–5
Evidence for an interaction between canine synovial cell proteoglycans and link proteins. Fife RS, et al.
Biochim Biophys Acta 1985 Dec 13;843(3):238–44
The promotion and inhibition of collagen-breakdown in organ cultures of pig synovium: the requirement for serum components and the involvement of cyclic adenosine 3'5'-monophosphate (cAMP). Fell HB, et al.
Coll Relat Res 1986 Mar;6(1):51–75
Canine platelet factors stimulate glycosaminoglycan synthesis by synovial cell and organ cultures. Myers SL.
Connect Tissue Res 1985;14(1):41–9
Mononuclear cell–mediated modulation of synovial cell metabolism. II. Increased hyaluronic acid synthesis by a monocyte cell factor (MCF). Bocquet J, et al.
Exp Cell Res 1985 Sep;160(1):9–18
Stimulation of procollagenase synthesis in human rheumatoid synovial fibroblasts by mononuclear cell factor/interleukin 1. McCroskery PA, et al. **FEBS Lett** 1985 Oct 21;191(1):7–12
In vitro production of collagen by synovial fibroblasts from D-penicillamine-treated arthritic rabbits. Brisset M, et al.
Int J Tissue React 1986;8(4):271–8
Human recombinant interleukin 1 stimulates collagenase and prostaglandin E2 production by human synovial cells. Dayer JM, et al. **J Clin Invest** 1986 Feb;77(2):645–8
Cachectin/tumor necrosis factor stimulates collagenase and prostaglandin E2 production by human synovial cells and dermal fibroblasts. Dayer JM, et al. **J Exp Med** 1985 Dec 1;162(6):2163–8
Interleukin 1 stimulation of synovial cell plasminogen activator production. Mochan E, et al. **J Rheumatol** 1986 Feb;13(1):15–9
Absorption of intraarticularly injected horseradish peroxidase in synoviocytes of rat synovial membrane: an ultrastructural–cytochemical study. Graabaek PM.
J Ultrastruct Res 1985 Jul–Aug;92(1–2):86–100
Fibronectin production by synovial intimal cells. Mapp PI, et al. **Rheumatol Int** 1985;5(5):229–37
The effects of synovial fluid macrophages and interleukin-1 on hyaluronic acid synthesis by normal synovial fibroblasts. Pulkki K. **Rheumatol Int** 1986;6(3):121–5
Incorporation of [35S]sulphate and [3H]thymidine into isolated bovine articular chondrocytes in vitro. Effect of autogenous conditioned synovial medium. Klämfeldt A.
Scand J Rheumatol 1986;15(1):7–12

MICROBIOLOGY

Attachment of Mycoplasma pulmonis to rat and mouse synovial cells cultured in vitro. Arsake M, et al.
Microbiol Immunol 1985;29(7):601–7

PATHOLOGY

Experimental osteoarthritis in the rabbit. I. Histological changes of the synovial membrane. Svalastoga E, et al.
Acta Vet Scand 1985;26(3):313–25
Medial synovial shelf plica syndrome. Treatment by intraplical steroid injection. Rovere GD, et al.
Am J Sports Med 1985 Nov–Dec;13(6):382–6
Synovial proliferative disorders: differential diagnosis. Frassica FJ, et al. **Arthroscopy** 1985;1(3):183–9
Fibronectin and retinyl acetate effects on attachment and spreading of normal and rheumatoid human synovial cells. Desmoulins D, et al. **Cell Biol Int Rep** 1986 Jul;10(7):501–8
Colour development of immunogold–labelled antibodies for light microscopy. Fritz P, et al. **Histochemistry** 1986;85(3):209–14
Mononuclear phagocytes of normal and rheumatoid synovial membrane identified by monoclonal antibodies. Hogg N, et al. **Immunology** 1985 Dec;56(4):673–81
Adjuvant polyarthritis and the response of air pouch lining cells. De Brito FB, et al. **Int J Tissue React** 1986;8(4):289–94
Response of facsimile synovium to complete Freund's adjuvant: a hypothesis of pannus formation [letter] Al Duaij A, et al. **Int J Tissue React** 1985;7(6):539–40
The micropathology of the typical carpal tunnel syndrome. Faithfull DK, et al. **J Hand Surg [Br]** 1986 Feb;11(1):131–2
Mediator and target cell variability in proliferative response of human adherent synovial cells in culture. Baker DG, et al. **J Rheumatol** 1986 Jun;13(3):505–11
Human synovial dendritic cells. Direct observation of transition to fibroblasts. Hendler PL, et al. **J Rheumatol** 1985 Aug;12(4):660–4
Immunofluorescent analysis of experimental osteoarthritic cartilage and synovium: evidence for selective deposition of immunoglobulin and complement in cartilaginous tissues. Moskowitz RW, et al. **J Rheumatol** 1986 Apr;13(2):391–6
The plica syndrome: a new perspective. Broom MJ, et al.
Orthop Clin North Am 1986 Apr;17(2):279–81
The course of inflammation exemplified in the synovial membrane. Personal studies and literature data. Soren A.
Rev Rhum Mal Osteoartic 1986 May;53(5):353–60
Audit of closed synovial biopsy in the diagnosis of inflammatory joint disease. Gallagher PJ, et al.
Scand J Rheumatol 1985;14(3):307–14
[Contribution of synovial biopsy in unclassified arthropathies] Aral O, et al. **Rev Rhum Mal Osteoartic** 1986 Apr;53(4):227–30 (Eng. Abstr.) (Fre)
[Synovial chondromatosis: diagnosis and treatment] Abasov ESh, et al. **Revmatologiia (Moskva)** 1985 Apr–Jun;(2):30–3 (Eng. Abstr.) (Rus)
[II. Morphologic criteria of synovitis in rheumatoid arthritis and correlation with synovitis in systemic lupus erythematosus and systemic scleroderma] Venikova MS. **Revmatologiia (Moskva)** 1985 Oct–Dec;(4):31–6 (Eng. Abstr.) (Rus)
[Clinico-morphological comparisons in variants of rheumatoid arthritis (based on the data of puncture biopsy of synovial membrane)] Shekhter AB, et al. **Ter Arkh** 1985;57(8):90–100 (Eng. Abstr.) (Rus)
[Peripheral articular tuberculosis: a study of 20 cases with synovial biopsy] Mera Varela AJ, et al.
Med Clin (Barc) 1985 Nov 9;85(15):605–8 (Eng. Abstr.) (Spa)

PHYSIOLOGY

The possible role of synovial factors in cartilage destruction. Crossley MJ, et al. **Agents Actions [Suppl]** 1986;18:39–42
Formation of a synovial-like membrane at the bone–cement interface. Its role in bone resorption and implant loosening after total hip replacement. Goldring SR, et al.
Arthritis Rheum 1986 Jul;29(7):836–42
Evidence that interleukin-1 induction of synovial cell plasminogen activator is mediated via prostaglandin E2 and cAMP. Mochan E, et al. **Arthritis Rheum** 1986 Sep;29(9):1078–84
Possible involvement of prostaglandin endoperoxides in cartilage–synovial interactions. Yamamoto K.
Nippon Seikeigeka Gakkai Zasshi 1986 Jun;60(6):663–70
Continuous mechanical pressure and joint tissue. Effect of synovial membrane products and indomethacin in vitro. Klämfeldt A. **Scand J Rheumatol** 1985;14(4):431–7

PHYSIOPATHOLOGY

[Granulomatous osteolytic neosynovial membrane after arthroplasty (letter)] Verdier MJ, et al. **Presse Med** 1986 Feb 1;15(4):163–4 (Fre)

RADIATION EFFECTS

Radiation synovectomy with 165Dy–FHMA: lymph node uptake and radiation dosimetry calculations. Zalutsky MR, et al. **Int J Nucl Med Biol** 1986;12(6):457–65
[Radionuclides in the treatment of joint disorders] van der Korst JK. **Ned Tijdschr Geneeskd** 1985 Dec 14;129(50):2388 (Dut)
[Light and electron microscopy studies of the effect of roentgen irradiation on the synovial membrane of the inflamed knee joint] Budrass KD, et al.
Beri Munch Tierarztl Wochenschr 1986 May 1;99(5):148–52 (Eng. Abstr.) (Ger)
[Results of radiosynoviorthese treatment using yttrium–90 silicate in patients with chronic polyarthritis]
Crone–Münzebrock W, et al. **Radiobiol Radiother (Berl)** 1985;26(6):813–7 (Eng. Abstr.) (Ger)

RADIOGRAPHY

[The contribution of computerized tomography to synovial pathology] Tamisier JN, et al.
Rev Rhum Mal Osteoartic 1986 Feb;53(2):69–75 (Eng. Abstr.) (Fre)

SURGERY

Radical synovectomy with muscle release for the rheumatoid elbow. Saito T, et al. **Acta Orthop Scand** 1986 Feb;57(1):71–3
Synovectomy of the hand and wrist. Ferlic DC, et al.
Ann Chir Gynaecol [Suppl] 1985;198:26–30
Elbow synovectomy. Gschwend N, et al.
Ann Chir Gynaecol [Suppl] 1985;198:31–6
A review of knee joint synovectomy in rheumatoid arthritis with theoretical and technical considerations. Mori M.
Ann Chir Gynaecol [Suppl] 1985;198:40–7
Shoulder synovectomy. Pahle JA, et al.
Ann Chir Gynaecol [Suppl] 1985;198:37–9
The stabilizing effect of synovectomy on the synovial membrane in arthritic rabbit knees. Reichel W, et al.
Arch Orthop Trauma Surg 1986;105(1):11–7
Arthroscopic synovectomy. Highgenboten CL.
Arthroscopy 1985;1(3):190–3
Resection of painful shelf (plica synovialis mediopatellaris) under arthroscopy. Koshino T, et al. **Arthroscopy** 1985;1(2):136–41
Synovial proliferative disorders: role of synovectomy. Sim FH. **Arthroscopy** 1985;1(3):198–204
Arthroscopic synovectomy for chronic hemophilic synovitis of the knee. Wiedel JD. **Arthroscopy** 1985;1(3):205–9
Evaluation of medical treatment and synovectomy in rheumatoid knee. Islam KM, et al.
Bangladesh Med Res Counc Bull 1986 Jun;12(1):37–43
Synovectomy in hemophilic arthropathy. A retrospective review of 17 cases. Post M, et al. **Clin Orthop** 1986 Jan;(202):139–46
Treatment of recurrent anterior dislocation of the shoulder by duToit Staple capsulorrhaphy. Results of long-term follow-up study. Rao JP, et al. **Clin Orthop** 1986 Mar;(204):169–76
Indications and techniques for repair of the flexor tendon sheath. Lister G. **Hand Clin** 1985 Feb;1(1):85–95
Medial and lateral synovial plicae of the knee: pathological significance, diagnosis and treatment by arthroscopic surgery. Bough BW, et al. **Ir Med J** 1985 Oct;78(10):279–82
Sinus tarsi synovectomy. A possible alternative to a subtalar joint fusion. Fried A, et al. **J Am Podiatr Med Assoc** 1985 Sep;75(9):494–7
Long-term results of synovectomy in rheumatoid patients. Ishikawa H, et al. **J Bone Joint Surg [Am]** 1986 Feb;68(2):198–205
Synovectomy of the knee for hemophilic arthropathy. Montane J, et al. **J Bone Joint Surg [Am]** 1986 Feb;68(2):210–6
Experimental methods of repairing injured menisci. Ghadially FN, et al. **J Bone Joint Surg [Br]** 1986 Jan;68(1):106–10
Synovectomy of the knee in juvenile chronic arthritis. A retrospective, consecutive follow-up study. Rydholm U, et al. **J Bone Joint Surg [Br]** 1986 Mar;68(2):223–8
The fate of tendon healing after restoration of the integrity of the tendon sheath with autogenous vein grafts. Strauch B, et al. **J Hand Surg [Am]** 1985 Nov;10(6 Pt 1):790–5
Arthroscopic synovectomy in the rheumatoid knee. Wilkes LL. **J Med Assoc Ga** 1985 Aug;74(8):582–3
Synovectomy of the knee in hemophilia. Nicol RO, et al.
J Pediatr Orthop 1986 May–Jun;6(3):330–3
Synovial hemangioma of the knee. Seimon LP, et al.
J Pediatr Orthop 1986 May–Jun;6(3):356–9
[Evaluation of the long-term effects of synovectomy in rheumatoid arthritis] Guo WZ.
Chung Hua I Hsueh Tsa Chih 1985 Sep;65(9):521–3 (Eng. Abstr.) (Chi)
[The significance of synovectomy of the joints and tendon sheaths in rheumatic diseases] Popelka S. **Rozhl Chir** 1985 Dec;64(12):831–5 (Eng. Abstr.) (Cze)
[Knee-joint synovectomy in rheumatoid arthritis. The effect of early and late synovectomy] Poulsen S, et al.
Ugeskr Laeger 1986 Feb 10;148(7):391–3 (Eng. Abstr.) (Dan)
[Septic arthritis due to common bacteria in the adult] Husux JP, et al. **Acta Orthop Belg** 1986 Mar–Apr;52(2):180–94 (Eng. Abstr.) (Fre)

[Long-term results of endoprosthetic joint replacement and synovectomy] Gschwend N, et al.
Handchir Mikrochir Plast Chir 1986 May;18(3):135–49 (Eng. Abstr.) (Ger)
[Animal experiment studies on the topic of regeneration of the synovial membrane following synovectomy of flexor tendons in the so-called no man's land] Martini AK.
Handchir Mikrochir Plast Chir 1986 Jul;18(4):199–203 (Eng. Abstr.) (Ger)
[Diffuse giant cell tumor in the synovium of the distal lower leg] Büsch HG, et al. **Zentralbl Chir** 1986;111(5):269–71 (Ger)
[Possibilities of the prevention of cartilage damage by chemical synovectomy using osmium tetroxide] Szepesi J. **Magy Traumatol Orthop Helyreallito Sebesz** 1986; 29(3):179–86 (Eng. Abstr.) (Hun)
[Synovectomy of the knee joint in rheumatoid arthritis] Stepniewski B, et al. **Chir Narzadow Ruchu Ortop Pol** 1985; 50(5):396–8 (Eng. Abstr.) (Pol)
[Proteoglycan levels after the surgical treatment of rheumatoid arthritis] Kariakina EV.
Revmatologiia (Moskva) 1986 Apr–Jun;(2):40–2 (Eng. Abstr.) (Rus)
[Removal of the synovial membrane in the prevention and treatment of hemophilic arthropathy] Hrubišková K, et al. **Vnitr Lek** 1985 Jul;31(7):637–43 (Eng. Abstr.) (Slo)

ULTRASTRUCTURE

Comparative assessment of articular cartilage and synovial membrane in experimental haemarthrosis. Vasilev VA, et al. **Acta Biol Hung** 1984;35(2–4):305–14
Relationship between iron deposits and tissue damage in the synovium: an ultrastructural study. Morris CJ, et al.
Ann Rheum Dis 1986 Jan;45(1):21–6
Scanning electron microscopy of antigen induced arthritic joints. I. Inflammatory cell interactions at synovial–meniscal surfaces during the Arthus response. Elliott S, et al. **J Rheumatol** 1986 Apr;13(2):401–7

SYNOVIOMA

COMPLICATIONS

An unusual etiology of trigger finger: a case report. Rankin EA, et al. **J Hand Surg [Am]** 1985 Nov;10(6 Pt 1):904–5
[Chronic monoarthritis induced by a synovial sarcoma] Pavlov VP, et al. **Revmatologiia (Moskva)** 1985 Jul–Sep; (3):70–2 (Rus)
[Phlebectasic edema caused by synovial sarcoma] Ibáñez Esquembre V, et al. **Angiologia** 1986 Jul–Aug;38(4):212–21 (Eng. Abstr.) (Spa)

DIAGNOSIS

Primary malignant tumors of the hand. Adeyemi–Doro HO, et al. **J Hand Surg [Am]** 1985 Nov;10(6 Pt 1):815–20
Magnetic resonance imaging of lesions of synovial origin. Sundaram M, et al. **Skeletal Radiol** 1986;15(2):110–6
[Diagnosis and course of synovial sarcoma. Comparison of x-ray diagnosis and bone scintigraphy] Schaub T, et al. **ROFO** 1986 Apr;144(4):453–9 (Eng. Abstr.) (Ger)

FAMILIAL & GENETIC

Translocation X;18 in synovial sarcoma [letter] Turc–Carel C, et al. **Cancer Genet Cytogenet** 1986 Sep;23(1):93

IMMUNOLOGY

[Electrophoretic mobility of T and B lymphocytes in bone tumor patients] Xie GL.
Chung Hua Chung Liu Tsa Chih 1986 Jan;8(1):39–41 (Eng. Abstr.) (Chi)

PATHOLOGY

Sarcomas—a clinicopathological guide with particular reference to cutaneous manifestation. III. Angiosarcoma, malignant haemangiopericytoma, fibrosarcoma and synovial sarcoma. Fletcher CD, et al.
Clin Exp Dermatol 1985 Jul;10(4):332–49 (88 ref.)
Synovial sarcoma in the foot. Reale CD, et al.
J Foot Surg 1986 Mar–Apr;25(2):124–7
Synovial sarcoma: an immunohistochemical study. Salisbury JR, et al. **J Pathol** 1985 Sep;147(1):49–57
Synovial sarcoma. Galatăr N, et al.
Morphol Embryol (Bucur) 1986 Jan–Mar;32(1):43–6
[Synovial sarcoma of the hypopharynx] Vahle W, et al.
HNO 1986 Jul;34(7):307–9 (Eng. Abstr.) (Ger)
[Studies using Ulex europaeus agglutinin I (UEA I) on normal tissue and synovial sarcomas, mesotheliomas and carcinomas] Borisch B, et al. **Pathologe** 1985 Sep; 6(5):260–70 (Ger)
[Synovial sarcoma of the abdominal wall] Hayashi Y, et al. **Gan No Rinsho** 1986 Jan;32(1):95–100 (Eng. Abstr.) (Jpn)

RADIOGRAPHY

CT findings in paravertebral synovial sarcoma. Treu EB, et al. **J Comput Assist Tomogr** 1986 May–Jun;10(3):460–2
[Joint disorders. Synovial sarcoma] Erlemann R, et al.
Radiologe 1986 May;26(5):257–8 (Ger)
[Value and limitations of computerized axial tomography in the diagnostic study of synovial sarcoma (study of 13 case reports)] Boriani S, et al. **Chir Organi Mov** 1985 Apr–Jun; 70(2):149–56 (Eng. Abstr.) (Ita)

SECONDARY

Peripheral synovial sarcoma metastatic to the temporal bone. Cross JP Jr, et al. **Am J Otol** 1986 May;7(3):169–71

SURGERY

Synovial cell sarcoma: a case report with a comment on 27 years of treatment. Louis DS, et al. **J Hand Surg [Am]** 1986 Jul;11(4):578–81
Use of a pedicled parascapular flap for anterior shoulder and arm reconstruction. Kim PS, et al. **Plast Reconstr Surg** 1985 Dec;76(6):942–4

ULTRASTRUCTURE

[Electron–microscopic study of monophasic spindle–cell synovial sarcomas] Katenkamp D, et al. **Arkh Patol** 1985; 47(12):44–50 (Eng. Abstr.) (Rus)

VETERINARY

Nonweightbearing lameness secondary to synovial sarcoma in a young dog. Bellah JR, et al. **J Am Vet Med Assoc** 1986 Apr 1;188(7):730–2
Chemotherapy of synovial cell sarcoma in a dog. Tilmant LL, et al. **J Am Vet Med Assoc** 1986 Mar 1;188(5):530–2

SYNOVITIS

CHEMICALLY INDUCED

Liposome–induced synovitis in rabbits. Light and electron microscopic studies. Choi SJ, et al. **Arthritis Rheum** 1986 Jul;29(7):889–96

COMPLICATIONS

Remitting seronegative symmetrical synovitis with pitting edema [letter] **JAMA** 1986 May 9;255(18):2444–5
Remitting seronegative symmetrical synovitis with pitting edema. RS3PE syndrome. McCarty DJ, et al. **JAMA** 1985 Nov 15;254(19):2763–7
Hip joint fluid in the presence of the vacuum phenomenon. Middleton WD, et al. **Pediatr Radiol** 1986;16(2):171–2

DIAGNOSIS

Computed tomography and ultrasonography for diagnosis of hip joint effusion in children. Egund N, et al.
Acta Orthop Scand 1986 Jun;57(3):211–5
Ultrasonography in hip disease in children. Kallio P, et al.
Acta Orthop Scand 1985 Oct;56(5):367–71
Pigmented villonodular synovitis. A clinicopathologic study of 52 cases. Ushijima M, et al. **Acta Pathol Jpn** 1986 Mar; 36(3):317–26
Monarticular nontraumatic synovitis of the metatarsophalangeal joint: a new diagnosis? Mann RA, et al. **Foot Ankle** 1985 Aug;6(1):18–21
A unique presentation of juvenile rheumatoid arthritis: proximal interphalangeal joint synovitis. Garrod KJ, et al.
J Hand Surg [Am] 1986 May;11(3):396–9
Three cases of pigmented villonodular synovitis of the knee. Ultrasound and computed tomographic findings. Gagnerie F, et al. **ROFO** 1986 Aug;145(2):227–8
[Pigmented villonodular synovitis. Value of ultrasonic diagnosis and x-ray computed tomography (letter)] Taillan B, et al. **Presse Med** 1986 Feb 15;15(6):260 (Fre)
[Differential diagnosis of knee joint effusions of uncertain origin from the surgical viewpoint] Siggelkow G.
Z Arztl Fortbild (Jena) 1986;80(5):199–201 (Ger)
[Clinical–diagnostic considerations on 2 cases of pigmented villonodular synovitis] Marinò D, et al.
Chir Organi Mov 1985 Apr–Jun;70(2):181–4 (Eng. Abstr.) (Ita)
[Primary synovial osteochondrosis of the knee joint] Sleboda B. **Chir Narzadow Ruchu Ortop Pol** 1985;50(2):169–72 (Eng. Abstr.) (Pol)
[Use of thermography for the diagnosis of synovitis, bursitis and tendovaginitis in osteoarthrosis deformans patients] Zabolotaykh II, et al. **Revmatologiia (Moskva)** 1985 Jul–Sep;(3):48–50 (Eng. Abstr.) (Rus)

DRUG THERAPY

Medial synovial shelf plica syndrome. Treatment by intraplical steroid injection. Rovere GD, et al.
Am J Sports Med 1985 Nov–Dec;13(6):382–6
Sulphasalazine (Salazopyrin) in the treatment of enterogenic reactive synovitis and ankylosing spondylitis with peripheral arthritis. Mielants H, et al. **Clin Rheumatol** 1986 Jan;5(1):80–3
Rifamycin SV in local treatment of synovitis—a clinical, arthroscopic and pharmacologic evaluation. Lindblad S, et al. **J Rheumatol** 1985 Oct;12(5):900–3

ENZYMOLOGY

Biochemical and histological changes in osteoarthritic synovial membrane. Gedikoglu O, et al.
Ann Rheum Dis 1986 Apr;45(4):289–92

ETIOLOGY

A case of blackthorn synovitis. Strömqvist B, et al.
Acta Orthop Scand 1985 Aug;56(4):342–3
Amyloid arthropathy in patients undergoing periodical haemodialysis for chronic renal failure: a new complication. Muñoz–Gómez J, et al. **Ann Rheum Dis** 1985 Nov; 44(11):729–33
Arthroscopic synovectomy for chronic hemophilic synovitis of the knee. Wiedel JD. **Arthroscopy** 1985;1(3):205–9
Erosive silicone synovitis. Wright CS, et al. **Can J Surg** 1986 Jan;29(1):45–7
Silicone synovitis following silicone implant arthroplasty. Atkinson RE, et al. **Hand Clin** 1986 May;2(2):291–9 (51 ref.)
Prosthetic synovitis. Eftekhar NS, et al. **Hip** 1985;:169–83
Hand infection caused by Actinobacillus actinomycetemcomitans. Bromley GS, et al.
J Hand Surg [Am] 1986 May;11(3):434–6
Lead synovitis in the hand: a case report. Watson N, et al.
J Hand Surg [Br] 1985 Oct;10(3):423–4
Effect of antigen–induced synovitis: was the inflammatory stimulation of tendon biosynthesis the response to local antigen? Did the stimulation follow an initial depression of tenocyte biosynthesis? [letter] Cooke TD, et al.
J Orthop Res 1986;4(1):129–31
The antigen induced arthritis model: the relevance of the method of induction to its use as a model of human disease. Howson P, et al. **J Rheumatol** 1986 Apr;13(2):379–90
Prosthetic synovitis: clinical and histologic characteristics. Kaufman RL, et al. **J Rheumatol** 1985 Dec;12(6):1066–74
Irritable hips: relationship with trauma [letter] Sainsbury CP, et al. **Lancet** 1986 Jan 25;1(8474):220
Acute synovitis induced by preformed immune complexes. Thomsen P, et al. **Scand J Rheumatol** 1986;15(2):134–42
[Hyperprebetalipoproteinemia and synovial xanthomatosis] Huaux JP, et al. **Rev Rhum Mal Osteoartic** 1985 Nov; 52(11):641–3 (Fre)
[Synovitis in familial Mediterranean fever] Langer HE, et al. **Dtsch Med Wochenschr** 1985 Nov 1;110(44):1695–700 (Eng. Abstr.) (Ger)

IMMUNOLOGY

Eosinophilic synovitis: clinical observations on a newly recognized subset of patients with dermatographism. Brown JP, et al. **Arthritis Rheum** 1986 Sep;29(9):1147–51
Proliferative synovitis in rabbit knee joints induced by antigen and preformed immune complexes. Thomsen P, et al.
Scand J Rheumatol 1985;14(3):239–51
A distinct endothelial cell recognition system that controls lymphocyte traffic into inflamed synovium. Jalkanen S, et al. **Science** 1986 Aug 1;233(4763):556–8
[Genetic and immunologic aspects of synovitis after viral infection] Hrnčířová L, et al. **Vnitr Lek** 1985 Sep; 31(9):838–43 (Eng. Abstr.) (Cze)

METABOLISM

Synthesis of eicosanoids by tissues of the synovial joint during the development of chronic erosive synovitis. Henderson B, et al. **Agents Actions** 1986 Jan;17(3–4):360–2
Low synovial clearance of iodide provides evidence of hypoperfusion in chronic rheumatoid synovitis. Wallis WJ, et al. **Arthritis Rheum** 1985 Oct;28(10):1096–1104
Localized apatite synovitis of the wrist. Kandel RA, et al.
J Rheumatol 1986 Jun;13(3):667–9

MICROBIOLOGY

Interferon system in acute transient synovitis. Leibowitz E, et al. **Arch Dis Child** 1985 Oct;60(10):959–62

PATHOLOGY

Relationship between iron deposits and tissue damage in the synovium: an ultrastructural study. Morris CJ, et al.
Ann Rheum Dis 1986 Jan;45(1):21–6
The histopathologic spectrum in Mycobacterium marinum infection. Travis WD, et al. **Arch Pathol Lab Med** 1985 Dec;109(12):1109–13
Giant cell tumors of synovium (Pigmented villonodular synovitis) involving the vertebral column. Weidner N, et al. **Cancer** 1986 May 15;57(10):2030–6
Pigmented villonodular synovitis of sacral joint—report of a case. Sarma NH. **Cent Afr J Med** 1985 Aug;31(8):156–7
The characterization of "transient synovitis of the hip" in children. Haueisen DC, et al. **J Pediatr Orthop** 1986 Jan–Feb;6(1):11–7
Scanning electron microscopy of antigen induced arthritic joints. I. Inflammatory cell interactions at synovial–meniscal surfaces during the Arthus response. Elliott S, et al. **J Rheumatol** 1986 Apr;13(2):401–7
[Morphology of psoriatic arthritis] Kop'eva TN, et al.
Arkh Patol 1985;47(6):36–44 (Eng. Abstr.) (Rus)
[Clinico–morphological characteristics of the joint syndrome in rheumatoid mono– and oligoarthritis in children] Akbarov SV, et al. **Revmatologiia (Moskva)** 1986 Apr–Jun; (2):33–7 (Eng. Abstr.) (Rus)
[II. Morphologic criteria of synovitis in rheumatoid arthritis and correlation with synovitis in systemic lupus erythematosus and systemic scleroderma] Venikova MS. **Revmatologiia (Moskva)** 1985 Oct–Dec;(4):31–6 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

On the structural and physiological basis of the influence of exercise, movement and immobilization in inflammatory joint diseases. Ahlqvist J. **Ann Chir Gynaecol [Suppl]** 1985; 198:10–8 (60 ref.)

Is chronic synovitis an example of reperfusion injury? Woodruff T, et al. **Ann Rheum Dis** 1986 Jul;45(7):608–11

An automated microcomputer–based system for determining canine paw pressure quantitatively in the dog synovitis model. Carlson RP, et al. **J Pharmacol Methods** 1986 Apr; 15(2):95–104

The course of inflammation exemplified in the synovial membrane. Personal studies and literature data. Soren A. **Rev Rhum Mal Osteoartic** 1986 May;53(5):353–60

RADIOGRAPHY

Transient synovitis of the hip in the child. Wingstrand H. **Acta Orthop Scand [Suppl]** 1986;219:1–61

The validity of radiographic assessment of childhood transient synovitis of the hip. Rosenborg M, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Jan–Feb;27(1):85–9

Legg–Calve–Perthes disease following transient synovitis. How often? Mukamel M, et al. **Clin Pediatr (Phila)** 1985 Nov;24(11):629–31

Thorn synovitis: CT diagnosis. Klein B, et al. **J Comput Assist Tomogr** 1985 Nov–Dec;9(6):1135–6

Case report 348: pigmented villonodular synovitis arising from bursa of the pes anserinus muscle, with secondary involvement of the tibia. Present DA, et al. **Skeletal Radiol** 1986;15(3):236–40

[Radiographic diagnosis of hip joints in children] Pettersson H. **Lakartidningen** 1985 Oct 23;82(43):3703–4, 3706 (Swe)

RADIOTHERAPY

Synoviorthesis with colloidal 32P chromic phosphate for hemophilic arthropathy: clinical follow–up. Rivard GE, et al. **Arch Phys Med Rehabil** 1985 Nov;66(11):753–6

Treatment of rheumatoid synovitis of the knee with intraarticular injection of dysprosium 165–ferric hydroxide macroaggregates. Sledge CB, et al. **Arthritis Rheum** 1986 Feb;29(2):153–9

[Radioisotope synovectomy] Oliunin IuA. **Ter Arkh** 1985; 57(8):148–51 (48 ref.) (Rus)

SURGERY

Synovectomy in hemophilic arthropathy. A retrospective review of 17 cases. Post M, et al. **Clin Orthop** 1986 Jan; (202):139–46

THERAPY

Intensive factor replacement for management of chronic synovitis in hemophilic children. Miser AW, et al. **Am J Pediatr Hematol Oncol** 1986 Spring;8(1):66–9

Effects of joint lavage on knee synovitis in rheumatoid arthritis [letter] Daunt SO, et al. **Br J Rheumatol** 1985 Nov; 24(4):378–9

[Combined treatment of the diffuse form of pigmented villonodular synovitis] Ustinova VF, et al. **Med Radiol (Mosk)** 1986 Mar;31(3):27–31 (Eng. Abstr.) (Rus)

[Principles of the pathogenetic therapy of osteoarthrosis deformans] Astapenko MG. **Revmatologiia (Moskva)** 1986 Jan–Mar;(1):22–4 (Eng. Abstr.) (Rus)

[Evaluation of the effectiveness of long–term dispensary observation and treatment of patients with osteoarthrosis deformans] Burkhanova PA. **Ter Arkh** 1985;57(8):143–5 (Eng. Abstr.) (Rus)

[Surgical synovectomy and isotopic synovectomy] Mulero Mendoza J. **Med Clin (Barc)** 1985 Dec 14;85(20):835–7 (Spa)

VETERINARY

Synovitis associated with serum IgM rheumatoid factor arising spontaneously in 'Old English' rabbits. Hanglow AC, et al. **Ann Rheum Dis** 1986 Apr;45(4):331–8

SYNOVITIS, PIGMENTED VILLONODULAR see under **SYNOVITIS**

SYNSTIGMIN see **NEOSTIGMINE**

2–5A SYNTHETASE see **2',5'–OLIGOADENYLATE SYNTHETASE**

SYPHACIA see **OXYUROIDEA**

SYPHILIDS see **SYPHILIS, CUTANEOUS**

SYPHILIS

Syphilis. Crissey JT, et al. **Clin Dermatol** 1984 Jan–Mar; 2(1):1–166 (492 ref.)

Diagnosis and therapy of patients with congenital and primary syphilis. Pickering LK. **Pediatr Infect Dis** 1985 Sep–Oct;4(5):602–5

BLOOD

Evaluation for endotoxemia in patients receiving penicillin therapy for secondary syphilis. Shenep JL, et al. **JAMA** 1986 Jul 18;256(3):388–90

[Clinico–immunologic characteristics of syphilis patients] Borisenko KK, et al. **Vestn Dermatol Venerol** 1985 Jul; (7):24–7 (Eng. Abstr.) (Rus)

[T– and B–lymphoid populations in syphilis] Karagezian MA, et al. **Vestn Dermatol Venerol** 1985 Jul;(7):66–9 (Eng. Abstr.) (Rus)

CEREBROSPINAL FLUID

Cerebrospinal fluid in the diagnosis of syphilis [letter] **Ann Intern Med** 1986 Aug;105(2):295–7

[Expediency of cerebrospinal fluid examination for discharge from follow–up of persons with early syphilis] Il'in II, et al. **Vestn Dermatol Venerol** 1985 Aug;(8):32–6 (Eng. Abstr.) (Rus)

COMPLICATIONS

Uveitis: many diseases, one diagnosis [letter] MacMillan IC. **Am J Med** 1986 Jul;81(1):183–6

Acute periostitis in early acquired syphilis simulating shin splints in a jogger. Meier JL, et al. **Am J Sports Med** 1986 Jul–Aug;14(4):327–8

Tubal infertility in the Gambia: chlamydial and gonococcal serology in women with tubal occlusion compared with pregnant controls. Mabey DC, et al. **Bull WHO** 1985; 63(6):1107–13

Pustular acneiform secondary syphilis. Lambert WC, et al. **Cutis** 1986 Jan;37(1):69–70

A rare cause of pleurisy. Impens N, et al. **Eur J Respir Dis** 1986 May;68(5):388–9

Arsenic, syphilis, and cancer of the prostate. Lees RE, et al. **J Epidemiol Community Health** 1985 Sep;39(3):227–30

Clinical manifestations of otological syphilis. Durham JS, et al. **J Otolaryngol** 1984 Jun;13(3):175–9

[Hyperplastic gastritis simulating initial stomach carcinoma in a female patient with secondary syphilis] Rueva Kh, et al. **Khirurgiia (Sofiia)** 1985;38(3):56–7 (Bul)

[Liver involvement in syphilis] Rampal P, et al. **Ann Gastroenterol Hepatol (Paris)** 1986 Mar–Apr; 22(2):77–81 (Eng. Abstr.) (Fre)

[A new case of secondary syphilitic hepatitis (letter)] Archambeaud–Mouveroux F, et al. **Presse Med** 1986 Jun 7;15(23):1101–2 (Fre)

[Angiographic accidents, with special reference to a case of cerebrovascular syphilis] Oesterreich K. **Psychiatr Neurol Med Psychol Beih** 1969;10–11:18–21 (Ger)

[Remarks on a case of Fitz–Hugh–Curtis syndrome] Ghiringhelli P, et al. **Minerva Med** 1986 May 12; 77(20):901–6 (Eng. Abstr.) (Ita)

[Papulous uveoretinitis in a female patient with secondary recurrent syphilis] Omarov IM, et al. **Vestn Dermatol Venerol** 1986;(1):72–4 (Eng. Abstr.) (Rus)

[Ulcerative and gummous skin and stomach lesions] Rueva Kh, et al. **Vestn Dermatol Venerol** 1986;(4):63–4 (Eng. Abstr.) (Rus)

[Cases of syphilitic lesions of the stomach] Vinokurov IN, et al. **Vestn Dermatol Venerol** 1986;(4):60–3 (Eng. Abstr.) (Rus)

DIAGNOSIS

Syphilis tests in diagnostic and therapeutic decision making. Hart G. **Ann Intern Med** 1986 Mar;104(3):368–76

Predictive value of serologic tests for syphilis in otology. Hughes GB, et al. **Ann Otol Rhinol Laryngol** 1986 May–Jun;95(3 Pt 1):250–9

Lumbar puncture in the treatment of neurosyphilis [letter] Simon RP, et al. **Arch Intern Med** 1986 Feb;146(2):409, 412

Lumbar puncture in late syphilis [letter] Wolters EC. **Arch Intern Med** 1986 Feb;146(2):408–9

Accelerated hypertension associated with lupus anticoagulant and false–positive VDRL in systemic lupus erythematosus [letter] Jouquan J, et al. **Arthritis Rheum** 1986 Jan;29(1):147

An unusual presentation of oral syphilis. Jefferies SD, et al. **Br J Oral Maxillofac Surg** 1985 Oct;23(5):376–80

On some deviations of the lipoid reactions in secondary syphilis. Roueva C, et al. **Folia Med (Plovdiv)** 1984; 26(3):58–61

Unusual location of syphilitic chancre: case report. Donofrio P. **Genitourin Med** 1986 Feb;62(1):59–60

Extragenital syphilitic chancres. Chapel TA, et al. **J Am Acad Dermatol** 1985 Oct;13(4):582–4

Treponemal antibody–absorbent enzyme immunoassay for syphilis. Chen J, et al. **J Clin Microbiol** 1986 May; 23(5):876–80

Percoll–purified Treponema pallidum, an improved fluorescent treponemal antibody–absorbed antigen. Hanff PA, et al. **J Clin Microbiol** 1986 May;23(5):980–2

Large liposome agglutination technique for the serological detection of syphilis. Kung VT, et al. **J Immunol Methods** 1986 Jun 24;90(2):189–96

Pachymeningitis cranialis hypertrophica. Moore AP, et al. **J Neurol Neurosurg Psychiatry** 1985 Sep;48(9):942–4

[Current status of syphilis diagnosis] Vogt A. **Gynakologe** 1985 Sep;18(3):146–50 (Ger)

[Syphilitic hepatitis] Fischer J, et al. **Z Arztl Fortbild (Jena)** 1986;80(9):379–80 (Ger)

[Observed cases of late syphilis in the District Dermatological Clinic 1974–1983] Sawicka J. **Przegl Dermatol** 1985 Mar–Apr;72(2):172–5 (Eng. Abstr.) (Pol)

[Nephrotic syndrome in syphilis] Majdan M, et al. **Wiad Lek** 1986 Feb 15;39(4):271–4 (Eng. Abstr.) (Pol)

[Wassermann reaction in pregnant women in the Hospital de Ribeirão Preto (Brazil) 1976–1981] Barreto SM, et al. **Rev Saude Publica** 1985 Apr;19(2):108–22 (Eng. Abstr.) (Por)

[Clinical course of tertiary syphilis with lesions of the liver and skin] Arkhangel'skaia EI, et al. **Vestn Dermatol Venerol** 1986;(6):68–72 (Eng. Abstr.) (Rus)

[Error in the diagnosis of tertiary syphilis] Dovzhanskil SI, et al. **Vestn Dermatol Venerol** 1986;(2):72–3 (Eng. Abstr.) (Rus)

[Stomach lesion in secondary recurrent syphilis] Fedorov IuP, et al. **Vestn Dermatol Venerol** 1985 Nov;(11):68–70 (Eng. Abstr.) (Rus)

[Lesions of the nervous and locomotor systems in syphilis] Kapkaev RA, et al. **Vestn Dermatol Venerol** 1986;(3):73–7 (Eng. Abstr.) (Rus)

[Clinico–immunological parallels in infectious syphilis] Manullova LA, et al. **Vestn Dermatol Venerol** 1986;(1):34–8 (Eng. Abstr.) (Rus)

[Wegener's granulomatosis simulating gummatous syphilis] Nosatenko VE, et al. **Vrach Delo** 1985 Oct;(10):111–3 (Rus)

DRUG THERAPY

Acute syphilitic meningitis. Its occurrence after clinical and serologic cure of secondary syphilis with penicillin G. Bayne LL, et al. **Arch Neurol** 1986 Feb;43(2):137–8

Paul Ehrlich and 606 [letter] Goldblatt D. **Arch Neurol** 1986 Feb;43(2):105

Update on the treatment of sexually transmitted diseases. Fiumara NJ. **Compr Ther** 1986 Apr;12(4):38–43

Survival of treponemes after treatment: comments, clinical conclusions, and recommendations. Dunlop EM. **Genitourin Med** 1985 Oct;61(5):293–301

Changes in intravascular complement, kininogen, and histamine during Jarisch–Herxheimer reaction in secondary syphilis. Loveday C, et al. **Genitourin Med** 1985 Feb; 61(1):27–32

Treatment of primary and secondary syphilis: serologic response. Fiumara NJ. **J Am Acad Dermatol** 1986 Mar; 14(3):487–91

Failure of recommended treatment for secondary syphilis [letter] Fiumara NJ. **JAMA** 1986 Sep 19;256(11):1443–4

Failure of recommended treatment for secondary syphilis. Markovitz DM, et al. **JAMA** 1986 Apr 4;255(13):1767–8

[Neurosyphilis in a patient treated with benzathine penicillin (Penilente) for positive syphilis serology] Weissmann K, et al. **Ugeskr Laeger** 1986 Mar 10;148(11):655–6 (Eng. Abstr.) (Dan)

[High–dosage penicillin infusion therapy—an alternative form of the treatment of syphilis] Sönnichsen N, et al. **Dermatol Monatsschr** 1985;171(11):698–703 (Eng. Abstr.) (Ger)

[Serodiagnosis and therapy of syphilis] Meyer JC, et al. **Ther Umsch** 1985 Nov;42(11):773–80 (49 ref.) (Eng. Abstr.) (Ger)

[Significance of the 19–S–IgM–FTA–ABS test in 30 TPHA–positive, clinically–undetected syphilis patients in evaluation of the need for therapy. A retrospective study] Ulrich R, et al. **Z Hautkr** 1986 Feb 15;61(4):179–84 (Eng. Abstr.) (Ger)

[Isolation of Nichols strain of Treponema pallidum with changed sensitivity to erythromycin] Niczyporuk W, et al. **Przegl Dermatol** 1985 Mar–Apr;72(2):169–71 (Pol)

[Therapeutic failures in the treatment of early syphilis observed in the District Dermato–Venereological Clinic in Siedlce 1975–1984] Sawicka J. **Przegl Dermatol** 1985 May–Jun;72(3):282–6 (Eng. Abstr.) (Pol)

[Treatment of early syphilis with cyclic erythromycin carbonate (Davercin–Polfa)] Szreder I, et al. **Przegl Dermatol** 1985 Sep–Oct;72(5):439–45 (Eng. Abstr.) (Pol)

[Experience in the treatment of syphilis with penicillin combined with splenin] Chistiakova AM, et al. **Vestn Dermatol Venerol** 1985 Aug;(8):71–3 (Rus)

[Positive serological reactions following syphilis therapy] Karagezian MA, et al. **Vestn Dermatol Venerol** 1985 Sep; (9):19–22 (Eng. Abstr.) (Rus)

[Clinical observation of patients with fresh forms of syphilis during treatment with doxycycline and placental extract] Rotanov SV, et al. **Vestn Dermatol Venerol** 1986;(6):72–6 (Eng. Abstr.) (Rus)

[Immune status of patients with secondary recurrent syphilis and changes in it during treatment] Taumin MR. **Vestn Dermatol Venerol** 1986;(2):74–6 (Eng. Abstr.) (Rus)

[Resistance of the clinical manifestations of secondary recent and recurrent syphilis to specific treatment] Usmanov TU. **Vestn Dermatol Venerol** 1986;(4):66–7 (Eng. Abstr.) (Rus)

FAMILIAL & GENETIC

[4 cases of syphilis in a single family] Mitriukovskii LS, et al. **Vestn Dermatol Venerol** 1985 Nov;(11):70–2 (Eng. Abstr.) (Rus)

HISTORY

Prehistoric syphilis in Florida. Igcan MY, et al. **J Fla Med Assoc** 1985 Feb;72(2):109–13

Suspected endemic syphilis (treponarid) in sixteenth–century Norway. Anderson T, et al. **Med Hist** 1986 Jul;30(3):341–50

Frederick III of Germany. Leavesley JH. **Med J Aust** 1986 Feb 3;144(3):143–4

[Acute hearing loss in the early stage of acquired syphilis. A historical and a new case] Feldmann H. **Laryngol Rhinol Otol (Stuttg)** 1986 Jan;65(1):16–20 (Eng. Abstr.) (Ger)

[Syphilis and gonorrhea in Poland in the 17th century] Stapiński A. **Przegl Dermatol** 1985 Nov–Dec;72(6):554–7 (Eng. Abstr.) (Pol)

[Syphilis in Poland in the 15th and 16th centuries] Stapiński A. **Przegl Dermatol** 1985 Sep–Oct;72(5):452–61 (Eng. Abstr.) (Pol)

[Syphilis and gonorrhea in 18th century Poland] Stapiński A. **Przegl Dermatol** 1986 Jan–Feb;73(1):71–9 (Eng. Abstr.) (Pol)

[History of the control of infectious skin diseases and syphilis in Turkmenistan (1867–1916)] Belova LV. **Vestn Dermatol Venerol** 1985 Aug;(8):75–8 (Rus)

[Paleopathologic findings concerning syphilis] Derums VIa, et al. **Vestn Dermatol Venerol** 1986;(5):63–7 (Eng. Abstr.) (Rus)

[History of the names for syphilis] Krakovetskaia GA. **Vestn Dermatol Venerol** 1985 Sep;(9):71–3 (Rus)

IMMUNOLOGY

In vitro secretion of immunoglobulin in early syphilis evaluated with the plaque forming cell assay. Jensen JR, et al. **Acta Derm Venereol [Suppl] (Stockh)** 1985;120:68–71

Studies on autolymphocytotoxic activity occurring in Treponema pallidum infection. Podwińska J, et al. **Arch Immunol Ther Exp (Warsz)** 1985;33(3):405–11

Secondary lesions in rabbits experimentally infected with Treponema pallidum. Strugnell RA, et al. **Genitourin Med** 1986 Feb;62(1):4–8

Lymphocyte function in experimental endemic syphilis of Syrian hamsters. Bagasra O, et al. **Immunology** 1985 Sep; 56(1):9–21

Reactivity patterns of human anticardiolipin and other antiphospholipid antibodies in syphilitic sera. Costello PB, et al. **Infect Immun** 1986 Mar;51(3):771–5

Enhanced primary resistance to Treponema pallidum infection and increased susceptibility to toxoplasmosis in T–cell–depleted guinea pigs. Pavia CS. **Infect Immun** 1986 Aug;53(2):305–11

Transfer of resistance to syphilitic infection from maternal to newborn guinea pigs. Pavia CS. **Infect Immun** 1986 Jan; 51(1):365–8

Serological characterization and gene localization of an Escherichia coli–expressed 37–kilodalton Treponema pallidum antigen. Rodgers GC, et al. **Infect Immun** 1986 Jul;53(1):16–25

Development of increased serum immunoblot reactivity against a 45,000–dalton polypeptide of Treponema pallidum (Nichols) correlates with establishment of chancre immunity in syphilitic rabbits. Strugnell RA, et al. **Infect Immun** 1986 Mar;51(3):957–60

Affinity purified anti–cardiolipin and anti–DNA antibodies. Harris EN, et al. **J Clin Lab Immunol** 1985 Aug; 17(4):155–62

Characterization of the antigenic determinants and host components in immune complexes from patients with secondary syphilis. Baughn RE, et al. **J Immunol** 1986 Feb 15;136(4):1406–14

Autoantibodies to creatine kinase in rabbits infected with Treponema pallidum. Strugnell RA, et al. **J Immunol** 1986 Jan;136(2):667–71

Role of circulating immune complexes in human secondary syphilis. Jorizzo JL, et al. **J Infect Dis** 1986 Jun; 153(6):1014–22

Characterization of the humoral immune response of the rabbit to antigens of Treponema pallidum after experimental infection and therapy. Lukehart SA, et al. **Sex Transm Dis** 1986 Jan–Mar;13(1):9–15

New developments in the immunological understanding and of serodiagnosis in syphilis. Müller F. **Yousel Med J** 1985; 26(1):18–23 (31 ref.)

[Quantitative determination of syphilis–specific antibodies with the 19S IgM FTA–ABS test] Lück PC, et al. **Dermatol Monatsschr** 1986;172(2):73–6 (Eng. Abstr.) (Ger)

[Specific antibody activity as a marker of pathogen–stimulated immune response in the central nervous system. Exemplified by syphilis and zoster diseases] Prange HW, et al. **Nervenarzt** 1986 Jan;57(1):14–8 (Eng. Abstr.) (Ger)

[15–years of studies of the immunological cellular response in syphilis in humans using migration inhibition tests] Bowszyc J, et al. **Przegl Dermatol** 1985 Mar–Apr; 72(2):134–8 (Eng. Abstr.) (Pol)

[Circulating immune complexes in syphilis] Chodynicka B, et al. **Przegl Dermatol** 1985 May–Jun;72(3):268–73 (Eng. Abstr.) (Pol)

[Specific antitreponemal antibodies 19 S IgM in patients with syphilis] Gibowski M, et al. **Przegl Dermatol** 1985 Mar–Apr;72(2):153–7 (Eng. Abstr.) (Pol)

[Circulating immune complexes and complement in patients with early and late syphilis] Machoński T, et al. **Przegl Dermatol** 1985 Mar–Apr;72(2):149–52 (Eng. Abstr.) (Pol)

[T– and B–lymphocytes in early and late syphilis] Machoński T, et al. **Przegl Dermatol** 1985 Mar–Apr;72(2):146–8 (Eng. Abstr.) (Pol)

[Studies of autolymphocytotoxins occurring in Treponema pallidum infection] Podwińska J, et al. **Przegl Dermatol** 1985 Mar–Apr;72(2):124–8 (Eng. Abstr.) (Pol)

[Role of thermolabile antigenic component of Treponema pallidum in inducing skin reaction for delayed hypersensitivity] Podwińska J. **Przegl Dermatol** 1985 Mar–Apr;72(2):129–31 (Pol)

[Role of immunological reaction of the cellular type in protection of the body against Treponema pallidum infection] Podwińska J. **Przegl Dermatol** 1985 Mar–Apr; 72(2):113–23 (Eng. Abstr.) (Pol)

[Physico–chemical characteristics of antitreponemal lymphotoxin from lymphocytes of syphilitic rabbits] Podwińska J, et al. **Przegl Dermatol** 1985 Mar–Apr; 72(2):132–3 (Pol)

[Suppressive activity of lymphocytes and monocytes in patients with syphilis] Zaba R, et al. **Przegl Dermatol** 1985 Mar–Apr;72(2):139–45 (Eng. Abstr.) (Pol)

[Functional activity of leukocytes in syphilis patients] Tseraidi NF. **Vestn Dermatol Venerol** 1986;(6):24–8 (Eng. Abstr.) (Rus)

[Various mechanisms of immunosuppression in syphilis] Tseraidi NF. **Vestn Dermatol Venerol** 1985 Dec;(12):29–34 (Eng. Abstr.) (Rus)

[Analysis of the suppressor activity of lymphocytes in patients with different forms of syphilis] Tseraidi NF. **Vestn Dermatol Venerol** 1985 Nov;(11):27–32 (Eng. Abstr.) (Rus)

[T–cell subpopulations of syphilis patients] Tserandi NF. **Vestn Dermatol Venerol** 1986;(5):24–7 (Eng. Abstr.) (Rus)

METABOLISM

Characterization of the proteoglycans synthesized by rabbit testis in response to infection by Treponema pallidum. Strugnell RA, et al. **Am J Pathol** 1986 Aug;124(2):216–25

MICROBIOLOGY

The ultrastructure of treponema pallidum isolated from human chancres. Morphologic variations from Nichols' strain. Poulsen A, et al. **Acta Derm Venereol (Stockh)** 1985; 65(5):367–73

OCCURRENCE

AIDS–induced decline of the incidence of syphilis in Denmark. Poulsen A, et al. **Acta Derm Venereol (Stockh)** 1985;65(6):567–9

An epidemic of syphilis among homosexuals and bisexuals. Schmidt H, et al. **Acta Derm Venereol [Suppl] (Stockh)** 1985; 120:65–7

Syphilis in pregnant women in Mozambique. Liljestrand J, et al. **Genitourin Med** 1985 Dec;61(6):355–8

Epidemiology of infectious syphilis in Singapore. Thirumoorthy T, et al. **Genitourin Med** 1986 Apr;62(2):75–7

Prevalence of syphilis in South Sudan. Ahmed SA, et al. **J Commun Dis** 1985 Sep;17(3):251

Serological markers as indicators of sexual orientation in AIDS virus–infected men [letter] Potterat JJ, et al. **JAMA** 1986 Aug 8;256(6):712

[Syphilis in Czechoslovakia 1951–1982] Kopecký K, et al. **Cesk Epidemiol Mikrobiol Imunol** 1986 May;35(3):174–81 (Eng. Abstr.) (Cze)

[Gonorrhea and syphilis in Denmark 1980–1984] Poulsen PA, et al. **Ugeskr Laeger** 1986 Feb 3;148(6):357–8 (Dan)

[Syphilis profile among LAV/HTLV III antibody–positive and negative homosexual men] Weismann K, et al. **Ugeskr Laeger** 1986 Mar 31;148(14):823–5 (Eng. Abstr.) (Dan)

[Endemic syphilis in a Sahelian area of Burkina Faso. Sero–clinical survey] Baudon D, et al. **Bull Soc Pathol Exot Filiales** 1985;78(5):555–62 (Eng. Abstr.) (Fre)

[Human mobility and the current epidemiology of syphilis] Nistoiu I. **Rev Ig [Bacteriol]** 1986 Apr–Jun;31(2):111–22 (Rum)

[Comparative characteristics of sources of infection of gonorrhea and syphilis patients] Korobelnikova EA, et al. **Vestn Dermatol Venerol** 1986;(5):59–61 (Eng. Abstr.) (Rus)

[Sexually transmitted diseases in a regional facility of the health service in Bogotá] de Monterrosa E. **Bol Of Sanit Panam** 1985 Sep;99(3):235–43 (Eng. Abstr.) (Spa)

PATHOLOGY

Oral presentation of secondary syphilis. Manton SL, et al. **Br Dent J** 1986 Apr 5;160(7):237–8

Extragenital syphilitic chancres [letter] Allison SD. **J Am Acad Dermatol** 1986 Jun;14(6):1094–5

Solitary oral condylomata lata in a patient with secondary syphilis. de Swaan B, et al. **Sex Transm Dis** 1985 Oct–Dec; 12(4):238–40

[The eosinophil composition during the manifestations of early syphilis] Peychl L, et al. **Cesk Patol** 1985 Nov; 21(4):242–9 (Eng. Abstr.) (Cze)

[Morphological changes in primary syphilis and the analgesia problems of the hard chancre] Kapkaev RA, et al. **Vestn Dermatol Venerol** 1986;(4):64–6 (Eng. Abstr.) (Rus)

[Ulcerated oleogranuloma of the penis in a patient with primary syphilis] Liuban BL, et al. **Vestn Dermatol Venerol** 1985 Sep;(9):49–50 (Eng. Abstr.) (Rus)

[Extragenital localization of hard chancres] Lobanovskiĭ GI, et al. **Vestn Dermatol Venerol** 1986;(5):67–9 (Eng. Abstr.) (Rus)

[A case of a red phagedenic hard chancre] Men'shchikov AG. **Vestn Dermatol Venerol** 1986;(1):71–2 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

[Clinico–pathophysiologic analysis of the pathogenesis of fever in the Jarisch–Herxheimer–Lukashevich syndrome] Pasternak NI, et al. **Vestn Dermatol Venerol** 1986;(4):21–6 (67 ref.) (Rus)

[Dynamics of the liver function indices and vibramycin concentration during the treatment of patients with recent forms of syphilis] Rotanov SV, et al. **Vestn Dermatol Venerol** 1986;(4):67–72 (Eng. Abstr.) (Rus)

[Classification of the developmental periods of syphilis] Vignale RA, et al. **Med Cutan Ibero Lat Am** 1985; 13(4):347–52 (Eng. Abstr.) (Spa)

PREVENTION & CONTROL

Protective immunization against Treponema pallidum using specific immune complexes—an attempt. Engel S, et al. **Acta Derm Venereol (Stockh)** 1985;65(6):484–8

Antibody–mediated protection of guinea–pigs against infection with Treponema pallidum. Pavia CS, et al. **Immunology** 1985 Oct;56(2):195–202

[Prevention of syphilis and gonorrhea in the Army] Łańcucki J, et al. **Przegl Dermatol** 1985 Mar–Apr;72(2):210–1 (Pol)

[Status of the immunologic reactivity of persons who have been in sexual contact with patients with infectious forms of syphilis] Frigo NV, et al. **Vestn Dermatol Venerol** 1985 Nov;(11):73–7 (Eng. Abstr.) (Rus)

RADIOGRAPHY

Pulmonary nodule in secondary syphilis. Geer LL, et al. **Australas Radiol** 1985 Aug;29(3):240–2

RADIONUCLIDE IMAGING

Periostitis in secondary syphilis: a place for bone scintigraphy. Veerapen K, et al. **J R Soc Med** 1985 Sep; 78(9):721–4

THERAPY

[Reinfection with syphilis after treatment by various methods] Abidov MM, et al. **Vestn Dermatol Venerol** 1986; (5):69–71 (Eng. Abstr.) (Rus)

TRANSMISSION

Syphilis in rural Pennsylvania. Martin JW. **Pa Med** 1985 Oct; 88(10):50–1

Transfusion syphilis, survival of Treponema pallidum in stored donor blood. II. Dose dependence of experimentally determined survival times. van der Sluis JJ, et al. **Vox Sang** 1985;49(6):390–9

[Sexually transmissible diseases—risk groups] Neumann G, et al. **Off Gesundheitswes** 1986 Mar;48(3):116–8 (Eng. Abstr.) (Ger)

[Experimental study of a laboratory series of gamma globulin] Bednova VN, et al. **Vestn Dermatol Venerol** 1986;(3):27–31 (Eng. Abstr.) (Rus)

[Syphilis. Epidemiologic value of the interview for the detection of contacts] Woscoff A, et al. **Bol Of Sanit Panam** 1985 Aug;99(2):130–7 (Eng. Abstr.) (Spa)

SYPHILIS, CARDIOVASCULAR

COMPLICATIONS

Recurrent myocardial infarctions secondary to luetic coronary arteritis in hypertrophic cardiomyopathy. A case report. Przybojewski JZ, et al. **S Afr Med J** 1986 Apr 26; 69(9):576–80

DIAGNOSIS

A nonagenarian who had everything. Vargas L. **Hosp Pract [Off]** 1986 Jun 15;21(6):89–90

SYPHILIS, CONGENITAL

Experimental congenital syphilis in rabbits. Fitzgerald TJ. **Can J Microbiol** 1985 Sep;31(9):757–62

Diagnosis and therapy of patients with congenital and primary syphilis. Pickering LK. **Pediatr Infect Dis** 1985 Sep–Oct;4(5):602–5

COMPLICATIONS

Early congenital syphilis still occurs [letter] Halliday HL, et al. **Arch Dis Child** 1986 Apr;61(4):417–8

[Nephrotic syndrome secondary to congenital syphilis] Aguayo I, et al. **Rev Chil Pediatr** 1985 Mar–Apr;56(2):103–7 (Eng. Abstr.) (Spa)

DIAGNOSIS

Early congenital syphilis still occurs. Ewing CI, et al. **Arch Dis Child** 1985 Dec;60(12):1128–33

[Congenital syphilis with negative VDRL test in pregnancy] Ginott N, et al. **Harefuah** 1985 Nov;109(9):235–7 (Eng. Abstr.) (Heb)

[Case of late congenital syphilis] Shevliakov LV, et al. **Vestn Dermatol Venerol** 1985 Nov;(11):72–3 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Immune status to congenital infections by TORCH agents in pregnant Saudi women. Hossain A, et al. **J Trop Pediatr** 1986 Apr;32(2):83–6

OCCURRENCE

Congenital syphilis: a clinical profile. Chawla V, et al. **J Trop Pediatr** 1985 Aug;31(4):204–8

RADIOGRAPHY

Imaging case of the month. Congenital syphilis. Garcia C, et al. **Am J Perinatol** 1985 Apr;2(2):167–8

Early congenital syphilis: clinico–radiologic features in 202 patients. Hira SK, et al. **Sex Transm Dis** 1985 Oct–Dec; 12(4):177–83

RADIONUCLIDE IMAGING

Bone scintigraphy in latent congenital syphilis. Moreno AJ, et al. **Clin Nucl Med** 1985 Nov;10(11):824–5

SYPHILIS, CUTANEOUS

DIAGNOSIS

Extragenital syphilitic chancres. Chapel TA, et al. **J Am Acad Dermatol** 1985 Oct;13(4):582–4

Condylomata lata in aboriginal children [letter] Henderson R. **Med J Aust** 1986 Sep 15;145(6):302

[Pseudolymphomatous secondary syphilis] Nigro M, et al. **G Ital Dermatol Venereol** 1985 Nov–Dec;120(6):441–4 (Eng. Abstr.) (Ita)

IMMUNOLOGY

Acquired resistance and expression of a protective humoral immune response in guinea pigs infected with Treponema pallidum Nichols. Pavia CS, et al. **Infect Immun** 1985 Oct; 50(1):66–72

Cutaneous secondary syphilis: preliminary immunohistopathologic support for a role for immune complexes in lesion pathogenesis. McNeely MC, et al. **J Am Acad Dermatol** 1986 Apr;14(4):564–71

PATHOLOGY

Treponema pallidum in macular and papular secondary syphilitic skin eruptions. Poulsen A, et al. **Acta Derm Venereol (Stockh)** 1986;66(3):251–8

Lyme disease mimicking secondary syphilis [letter] Burke WA, et al. **J Am Acad Dermatol** 1986 Jan;14(1):137–9

Granulomatous tertiary syphilis. Tanabe JL, et al. **J Am Acad Dermatol** 1986 Aug;15(2 Pt 2):341–4

[Papulotubercular syphilids in patients with secondary recurrent syphilis] Podvysotskaia II, et al. **Vestn Dermatol Venerol** 1985 Nov;(11):67–8 (Eng. Abstr.) (Rus)

[Ulcerative and gummous skin and stomach lesions] Rueva Kh, et al. **Vestn Dermatol Venerol** 1986;(4):63–4 (Eng. Abstr.) (Rus)

PREVENTION & CONTROL

[Effectiveness of chlorhexidine digluconate (gibitan) creams in the prevention of syphilis] Skuratovich AA, et al. **Vestn Dermatol Venerol** 1985 Oct;(10):28–30 (Eng. Abstr.) (Rus)

SYPHILIS, LATENT

COMPLICATIONS

Neurosyphilis after treatment of latent syphilis with benzathine penicillin. Jørgensen J, et al. **Genitourin Med** 1986 Apr;62(2):129–31

PHYSIOPATHOLOGY

[Visual and auditory evoked potentials in latent syphilis] Vignale RA, et al. **Med Cutan Ibero Lat Am** 1985; 13(4):335–9 (Eng. Abstr.) (Spa)

SYPHILIS SERODIAGNOSIS

The serological diagnosis of syphilis. Mason PR, et al. **Cent Afr J Med** 1985 Oct;31(10):191–3

Results of serological tests for syphilis among Gurkhas and other high risk groups. Thin RN, et al. **Genitourin Med** 1985 Feb;61(1):33–5

A case of piles? [letter] Ramsay B. **J R Coll Gen Pract** 1985 Nov;35(280):540

The usefulness of the RPR [letter] Boren SD. **JAMA** 1985 Dec 27;254(24):3421

New developments in the immunological understanding and of serodiagnosis in syphilis. Müller F. **Yonsei Med J** 1985; 26(1):18–23 (31 ref.)

[Serological diagnosis of syphilis; current state of the art] van Eijk RV, et al. **Ned Tijdschr Geneeskd** 1986 Jun 28; 130(26):1173–7 (Dut)

[Diagnostic measures and criteria in neurosyphilis] Prange HW. **Dtsch Med Wochenschr** 1986 Apr 18;111(16):625–7 (Ger)

[Status of the immunologic reactivity of persons who have been in sexual contact with patients with infectious forms of syphilis] Frigo NV, et al. **Vestn Dermatol Venerol** 1985 Nov;(11):73–7 (Eng. Abstr.) (Rus)

[Positive serological reactions following syphilis therapy] Karagezian MA, et al. **Vestn Dermatol Venerol** 1985 Sep; (9):19–22 (Eng. Abstr.) (Rus)

METHODS

Inappropriate use of the cerebrospinal fluid Venereal Disease Research Laboratory (VDRL) test to exclude neurosyphilis. Dans PE, et al. **Ann Intern Med** 1986 Jan; 104(1):86–9

Neurosyphilis and cerebrospinal fluid tests [letter] Sperber SJ, et al. **Ann Intern Med** 1986 May;104(5):724–6

Specific immunoglobulin M and G antibodies in the rapid diagnosis of human treponemal infections. Müller F. **Diagn Immunol** 1986;4(1):1–9 (71 ref.)

Immunodiagnostic test for detection of serum antibody to Treponema pallidum (syphilis): fibronectin as a capture vehicle for treponemal adhesins. Alderete JF, et al. **J Immunol Methods** 1985 Nov 28;84(1–2):365–73

Serodiagnosis of syphilis by enzyme–linked immunosorbent assay with purified recombinant Treponema pallidum antigen 4D. Radolf JD, et al. **J Infect Dis** 1986 Jun; 153(6):1023–7

[Quantitative determination of syphilis–specific antibodies with the 19S IgM FTA–ABS test] Lück PC, et al. **Dermatol Monatsschr** 1986;172(2):73–6 (Eng. Abstr.) (Ger)

[Serodiagnosis and therapy of syphilis] Meyer JC, et al. **Ther Umsch** 1985 Nov;42(11):773–80 (49 ref.) (Eng. Abstr.) (Ger)

[Significance of the 19–S–IgM–FTA–ABS test in 30 TPHA–positive, clinically–undetected syphilis patients in evaluation of the need for therapy. A retrospective study] Ulrich R, et al. **Z Hautkr** 1986 Feb 15;61(4):179–84 (Eng. Abstr.) (Ger)

[Congenital syphilis with negative VDRL test in pregnancy] Ginott N, et al. **Harefuah** 1985 Nov;109(9):235–7 (Eng. Abstr.) (Heb)

[IgM in the diagnosis of syphilis: results on the use of the IgM solid–phase hemadsorption test] Panuccio A, et al. **Boll Ist Sieroter Milan** 1985;64(5):381–5 (Eng. Abstr.) (Ita)

[The 19 S. IgM–FTA–Test in the diagnosis of syphilis] Mezzadra G. G **Ital Dermatol Venereol** 1983 May–Jun; 118(3):127–9 (Eng. Abstr.) (Ita)

[Evaluation of Treponema pallidum hemagglutination test based on the specimens from patients of the Dermatological Clinic, Medical Academy in Poznań] Gibowski M, et al. **Przegl Dermatol** 1985 Mar–Apr;72(2):158–63 (Eng. Abstr.) (Pol)

[Monovalent syphilitic fluorescent reactions in the serological diagnosis of syphilis] Gibowski M, et al. **Przegl Dermatol** 1985 Mar–Apr;72(2):164–8 (Eng. Abstr.) (Pol)

[Application of an immunoenzyme test (ELISA) with a purified treponemal antigen (Reiter) in the serodiagnosis of syphilis] Ionescu DA, et al. **Rev Ig [Bacteriol]** 1985 Oct–Dec;30(4):363–8 (Eng. Abstr.) (Rum)

[Comparative study of several immunoserologic tests in rabbits infected with syphilis] Bednova VN, et al. **Vestn Dermatol Venerol** 1985 Nov;(11):25–7 (Eng. Abstr.) (Rus)

[Specificity and sensitivity of the microreaction to cardiolipin antigen in syphilis] Diachenko LA, et al. **Vestn Dermatol Venerol** 1986;(5):61–3 (Eng. Abstr.) (Rus)

[Clinical evaluation of the precipitation reactions of Kahn and Sachs–Witebsky] Loseva OK, et al. **Vestn Dermatol Venerol** 1985 Jul;(7):69–74 (Eng. Abstr.) (Rus)

STANDARDS

Predictive value of serologic tests for syphilis in otology. Hughes GB, et al. **Ann Otol Rhinol Laryngol** 1986 May–Jun;95(3 Pt 1):250–9

UTILIZATION

[Is it the twilight of the Nelson–Mayer test? II. Evaluation of the necessity of verification of sera tested for syphilis by the TPI reaction] Ruczkowska J. **Przegl Dermatol** 1985 May–Jun;72(3):274–81 (Eng. Abstr.) (Pol)

SYRINGES

The NovoPen—a practical tool for simplifying multiple injection insulin therapy. Saurbrey N, et al. **Acta Paediatr Scand [Suppl]** 1985;320:64–5

Microbial contamination potential of solutions in prefilled disposable syringes used with a syringe pump. Mitrano FP, et al. **Am J Hosp Pharm** 1986 Jan;43(1):78–80

A 'home–fashioned' disposable ear irrigation [news] Steadham CI, et al. **Am J Nurs** 1986 Mar;86(3):242, 244

Drug syringe labels [letter] Oldroyd K. **Anaesth Intensive Care** 1986 Feb;14(1):91–2

The stability of preservative–free morphine in plastic syringes. Bray RJ, et al. **Anaesthesia** 1986 Mar;41(3):294–5

New syringes for arterial blood sampling. Wisborg T, et al. **Anaesthesia** 1986 Aug;41(8):866–7

Self–aspirating syringes [letter] Crowe CW. **Br Dent J** 1985 Nov 23;159(10):317–8

A model for investigating the probability of fracture of dental local anaesthetic cartridges. Meechan JG, et al. **Br Dent J** 1986 May 10;160(9):326–8

Local anaesthesia in dental practice. II. A laboratory investigation of a self–aspirating system. Meechan JG, et al. **Br Dent J** 1985 Aug 24;159(4):109–13

A computer–controlled syringe driver for use during anaesthesia. A modification of the Graseby MS16A. Cohen AT. **Br J Anaesth** 1986 Jun;58(6):670–5

Clinical and financial implications of a district scheme to provide plastic insulin syringes to diabetics. Allen AP, et al. **Br Med J [Clin Res]** 1986 Jun 28;292(6537):1710–1

Implications of a district scheme to provide plastic insulin syringes to diabetics [letter] MacCuish AC, et al. **Br Med J [Clin Res]** 1986 Aug 23;293(6545):507

Low–cost closed cardiac output injection system [letter] Wong DH, et al. **Crit Care Med** 1986 Mar;14(3):260

More on syringe reuse. Borders LM, et al. **Diabetes Care** 1985 Nov–Dec;8(6):626–7

Insulin syringe reuse [letter] Bosquet F, et al. **Diabetes Care** 1986 May–Jun;9(3):310

Studies on microbial contamination of reused disposable plastic insulin syringes. Magnusson C, et al. **J Hosp Infect** 1986 Jan;7(1):86–90

Effects of environmental warming on blood components dispensed in syringes for neonatal transfusions. Strauss RG, et al. **J Pediatr** 1986 Jul;109(1):109–13

Avoiding needle pricks [letter] **Lancet** 1986 May 10; 1(8489):1096

Syringe sharing among London drug abusers [letter] **Lancet** 1985 Dec 21–28;2(8469–70):1425

Selling syringes to drug addicts [letter] Andreyev HJ. **Lancet** 1985 Nov 23;2(8465):1192–3

The value of syringe shields in a nuclear medicine department [letter] Batchelor S. **Nucl Med Commun** 1986 Jan;7(1):76

[Microsome pollution of syringes and ampules cut by various methods] Wang AZ. **Chung Hua Hu Li Tsa Chih** 1985 Dec; 20(6):346–7 (Chi)

[Report on a syringe for automatic injection of silicone oil. 1st clinical use] Buffet JM, et al. **Bull Soc Ophtalmol Fr** 1984 Dec;84(12):1407–10 (Eng. Abstr.) (Fre)

[The storage capability of pre–filled disposable plastic syringes] Döge G, et al. **Pharmazie** 1985 Aug;40(8):559–61 (Eng. Abstr.) (Ger)

STANDARDS

Variation in light transmission properties of amber oral syringes. Porter WR, et al. **Am J Hosp Pharm** 1986 Apr; 43(4):913–6

Sterility of preloaded insulin syringes. Kasmer RJ, et al. **Am J Infect Control** 1986 Aug;14(4):180–3

SYRINGOMA, CHONDROID see HIDRADENOMA

SYRINGOMYELIA

COMPLICATIONS

Concurrent hydromyelia and diastematomyelia. Schlesinger AE, et al. **AJNR** 1986 May–Jun;7(3):473–7

Syringomyelia in scoliotic patients. Raininko R. **Ann Clin Res** 1986;18(2):93–8

Hand, wrist, and elbow arthropathy in syringomyelia. Resnik CS, et al. **J Can Assoc Radiol** 1985 Dec;36(4):325–7

Dystonia of the legs induced by walking or passive movement of the big toe in a patient with cerebellar ectopia and syringomyelia. Berardelli A, et al. **Neurology** 1986 Jan; 36(1):40–4

Idiopathic periodic hypothermia and bizarre behaviour in the presence of occult syringomyelia. Gray HH, et al. **Postgrad Med J** 1986 Apr;62(726):289–90

[Syncope as the initial manifestation of syringomyelia associated with an Arnold–Chiari abnormality: diagnostic value of computerized tomography] Arias M, et al. **Med Clin (Barc)** 1986 Apr 5;86(13):550–1 (Eng. Abstr.) (Spa)

[Neurogenic arthropathy of the foot and syringomyelia (letter)] Casquero Subias P, et al. **Med Clin (Barc)** 1985 Oct 19;85(12):516–7 (Spa)

DIAGNOSIS

Severe polyneuropathy in Tangier disease mimicking syringomyelia or leprosy. Clinical, biochemical,

electrophysiological, and morphological evaluation, including electron microscopy of nerve, muscle, and skin biopsies. Gibbels E, et al. J Neurol 1985;232(5):283–94
Electrodiagnostic abnormalities in 15 patients with posttraumatic syringomyelia: pre- and postoperative studies. Dyro FM, et al. Paraplegia 1985 Aug;23(4):233–42
[Electro-clinical data in medullary forms of the Chiari malformation without syringomyelia] Bady B, et al.
Rev Electroencephalogr Neurophysiol Clin 1985 Dec; 15(3):243–9 (Eng. Abstr.) (Fre)
[Hydro-syringomyelic cavities. Contributions of x-ray computed tomography and nuclear magnetic resonance. Value of syringoperitoneal shunt] Petit H, et al.
Rev Neurol (Paris) 1985;141(10):644–54 (Eng. Abstr.) (Fre)
[Chronic pain and syringomyelic slit of the posterior horns of the spinal cord] Rémillard GM, et al.
Rev Neurol (Paris) 1985;141(5):386–90 (Eng. Abstr.) (Fre)
[Comparison of clinical findings and nuclear magnetic resonance tomography in syringohydromyelia and intramedullary tumors] Hülser PJ, et al.
Fortschr Neurol Psychiatr 1986 Feb;54(2):54–8 (Eng. Abstr.) (Ger)
[Magnetic resonance tomography in syringomyelia] Köhler D, et al. ROFO 1985 Dec;143(6):617–22 (Eng. Abstr.) (Ger)
[Arthropathy of the shoulder joint in syringomyelia] Mau H, et al. Z Orthop 1986 Mar–Apr;124(2):157–64 (Eng. Abstr.) (Ger)

ETIOLOGY

Posttraumatic syrinx formation: experimental study. Cohen WA, et al. AJNR 1985 Sep–Oct;6(5):823–7
Traumatic atlanto-occipital dislocation. Case report. Collalto PM, et al. J Bone Joint Surg [Am] 1986 Sep;68(7):1106–9
Syringomyelia and syringobulbia associated with an ependymoma of the cauda equina involving the conus medullaris: case report. Nagahiro S, et al. Neurosurgery 1986 Mar;18(3):357–60
Syringomyelia in a man with sarcoidosis. Rawlings CE 3d, et al. Neurosurgery 1986 Jun;18(6):805–7
[Late posttraumatic syringomyelic syndromes. Pathogenetic theories apropos of 3 cases] Leys D, et al.
Acta Neurol Belg 1986 Jan–Feb;86(1):11–9 (Eng. Abstr.) (Fre)
[Late syringomyelobulbia complicating spinal cord injury. Improvement after syringoperitoneal shunt] Roullet E, et al. Rev Neurol (Paris) 1985;141(5):417–9 (Eng. Abstr.) (Fre)
[A case of post-traumatic syringomyelia with neural arthropathies] Daragon A, et al.
Rev Rhum Mal Osteoartic 1985 Nov;52(11):631–3 (Fre)
[Hydromyelia combined with hydrocephalus] Kim S, et al.
No Shinkei Geka 1986 Jan;14(1):75–80 (Eng. Abstr.) (Jpn)

FAMILIAL & GENETIC

Familial syringomyelia. Busis NA, et al.
J Neurol Neurosurg Psychiatry 1985 Sep;48(9):936–8
[Discordant syringomyelia twins in familial syringomyelia] Malessa R, et al. Nervenarzt 1986 Jul;57(7):422–6 (Eng. Abstr.) (Ger)

OCCURRENCE

[Catamnestic findings in syringomyelia in the province of Padua] Schergna E, et al. Minerva Med 1985 Sep 29; 76(37):1699–704 (Eng. Abstr.) (Ita)

PHYSIOPATHOLOGY

[Responsibility of the left renal vein and inferior vena cava in certain cases of myelitis and syringomyelia. Value of ligation of the venous reno-spinal trunk. Apropos of 30 cases] Frantz P, et al. Ann Urol (Paris) 1986;20(2):137–41 (Eng. Abstr.) (Fre)
[EMG in spinal atrophies] Hausmanowa-Petrusewicz I.
Psychiatr Neurol Med Psychol Beih 1969;10–11:171–3 (Ger)

RADIOGRAPHY

Syringomyelia associated with intradural extramedullary masses of the spinal canal. Quencer RM, et al. AJNR 1986 Jan–Feb;7(1):143–8
Inadvertent puncture of a syringohydromyelia cavity after C1–C2 latero-cervical approach. Poppe P, et al.
J Belge Radiol 1985;68(2):133–6
CT metrizamide myelography in syringomyelia: sensitivity and specificity. Gates PC, et al. Neurology 1986 Sep; 36(9):1245–8

SURGERY

Lumbo-peritoneal shunt in non-hydrocephalic patients. A review of 41 cases. Bret P, et al.
Acta Neurochir (Wien) 1986;80(3–4):90–2
Use of the syringoperitoneal shunt in the treatment of syringomyelia. Lesoin F, et al. Surg Neurol 1986 Feb; 25(2):131–6
[Syringomyelia. Clinical and neurophysiologic correlations (SEP) as a function of surgical treatment] Pozzessere G, et al. Riv Neurol 1986 Jan–Feb;56(1):67–74 (Eng. Abstr.) (Ita)

THERAPY

Treatment of syringomyelia by acupuncture and Chinese medicinal herbs. Wu YX, et al. J Tradit Chin Med 1986 Mar;6(1):13–6
[Changes in the state of central hemodynamics in patients with syringomyelia after complex treatment including radon baths] Galliamov AG.
Vopr Kurortol Fizioter Lech Fiz Kult 1985 Sep–Oct;(5):40–3 (Eng. Abstr.) (Rus)

SYRINGOPINE see SYROSINGOPINE

SYROSINGOPINE

PHARMACODYNAMICS

Effects of amnesic doses of reserpine or syrosingopine on mouse brain acetylcholine levels. Palfai T, et al.
Pharmacol Biochem Behav 1986 May;24(5):1457–9

SYSTEMS ANALYSIS

see related
RESEARCH
SYSTEMS THEORY
TASK PERFORMANCE AND ANALYSIS

Theory of psychiatric treatment systems. An approach. Hargreaves WA. Arch Gen Psychiatry 1986 Jul;43(7):701–5
Nonlinear analysis: mathematical theory and biological applications. Sakuranaga M, et al. Crit Rev Biomed Eng 1986;14(2):127–84 (92 ref.)
Estimating digital information throughput rates for radiology networks. A model. Cox GG, et al. Invest Radiol 1986 Feb;21(2):162–6
Systems analysis of schools of allied health using Leavitt's Organizational Model: a meta-analysis. Snyder JR, et al.
J Allied Health 1986 May;15(2):153–61
A systematic approach to analysing sports performance. Franks IM, et al. J Sports Sci 1986 Spring;4(1):49–59
Systems analysis of spatial vision. An essay in honor of Professor L. H. van der Tweel. Westheimer G.
Vision Res 1986;26(1):1–5
[Goal-oriented programmed approach to administration and organization] Tóth E. Cesk Zdrav 1985 Dec;33(12):497–511 (Eng. Abstr.) (Cze)
[Systems approach in studies on health resorts and physiotherapy] Boksha VG.
Vopr Kurortol Fizioter Lech Fiz Kult 1986 Mar–Apr; (2):53–5 (Rus)
[Method for the systems study of general morphogenetic patterns in individual human development] Bolgov IuA.
Vrach Delo 1985 Aug;(8):5–8 (Eng. Abstr.) (Rus)
[Systems approach to interferon as an anticancer agent] Borecký L. Zh Mikrobiol Epidemiol Immunobiol 1985 Dec; (12):78–84 (48 ref.) (Rus)
[Functional transswitching of dominant motivation in the systems organization of behavioral acts] Sudakov KV, et al. Zh Vysh Nerv Deiat 1985 Nov–Dec;35(6):1022–9 (Eng. Abstr.) (Rus)

SYSTEMS THEORY

see related
MODELS, THEORETICAL

Nonlinear analysis: mathematical theory and biological applications. Sakuranaga M, et al. Crit Rev Biomed Eng 1986;14(2):127–84 (92 ref.)
[The social worker and the relational systems perspective. Reflections and experiences] Campanini AM.
Minerva Psichiatr 1985 Jul–Sep;26(3):253–5 (Ita)
[Systems remarks on intervention in a residential community] Cutolo G. Minerva Psichiatr 1985 Jul–Sep;26(3):273–5 (Ita)
[General patterns of the functioning of parasitic systems (the mechanisms of self-regulation)] Beliakov VD.
Parazitologiia 1986 Jul–Aug;20(4):249–55 (Eng. Abstr.) (Rus)
[The functional system as a methodologic principle of the knowledge of the adaptive behavior of man and animals] Sudakov KV. Vestn Akad Med Nauk SSSR 1986;(4):19–24 (Rus)
[The epidemic process as system. The functional and morphological structure of the epidemic process as a unified whole] Cherkasskil BL.
Zh Mikrobiol Epidemiol Immunobiol 1986 May;(5):83–8 (Rus)
[The epidemic process as a system. The social regulators of the epidemic process] Cherkasskil BL.
Zh Mikrobiol Epidemiol Immunobiol 1985 Dec;(12):38–42 (Eng. Abstr.) (Rus)
[The possibility of coevolution in a virulent phage–bacterium flow system] Matushkin IuG, et al. Zh Obshch Biol 1986 Jan–Feb;47(1):64–71 (Eng. Abstr.) (Rus)
[New form for generating systems of food-acquiring conditioned reflexes in animals] Riabchikova NA, et al.
Zh Vysh Nerv Deiat 1986 Jan–Feb;36(1):182–5 (Rus)

SYSTOLE see under MYOCARDIAL CONTRACTION

SYSTOLIC CLICK-MURMUR SYNDROME see MITRAL VALVE PROLAPSE

SZONDI TEST see under PROJECTIVE TECHNICS

2,4,5-T see 2,4,5-TRICHLOROPHENOXYACETIC ACID

T-2 TOXIN see under SESQUITERPENES

T ANTIGENS see ANTIGENS, VIRAL, TUMOR

T CELL GROWTH FACTOR see MITOGENIC FACTORS, LYMPHOCYTE

T CELL SUPPRESSIVE FACTORS see SUPPRESSOR FACTORS, IMMUNOLOGIC

T-INDEPENDENT ANTIGENS see ANTIGENS, T-INDEPENDENT

T-MYCOPLASMA see UREAPLASMA

T-PHAGES

DNA packaging of bacteriophage T4 proheads in vitro. Evidence that prohead expansion is not coupled to DNA packaging. Rao VB, et al. J Mol Biol 1985 Oct 5; 185(3):565–78

ANALYSIS

Purification of bacteriophage T7 DNA-membrane complex and its application to the in vitro recombination reaction. Shimizu K, et al. J Biochem (Tokyo) 1985 Dec; 98(6):1473–85
Bacteriophage T4 regA protein. Purification of a translational repressor. Miller ES, et al. J Biol Chem 1985 Oct 25; 260(24):13053–9
Subunit arrangement of the tail fiber of bacteriophage T3. Kato H, et al. Virology 1986 Aug;153(1):80–6
[Proteins of the basal plate of bacteriophage T4 participating in the contractile impulse] Turkin AI, et al.
Mol Biol (Mosk) 1985 Nov–Dec;19(6):1610–9 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Illegitimate recombination: role of type II DNA topoisomerase. Ikeda H. Adv Biophys 1986;21:149–60
A lysoplate assay for Escherichia coli cell wall-active enzymes. Becktel WJ, et al. Anal Biochem 1985 Nov 1; 150(2):258–63
Transcription from bacteriophage T7 and SP6 RNA polymerase promoters in the presence of 3'-deoxyribonucleoside 5'-triphosphate chain terminators. Axelrod VD, et al. Biochemistry 1985 Oct 8;24(21):5716–23
A stereochemical study of the mechanism of activation of donor oligonucleotides by RNA ligase from bacteriophage T4 infected Escherichia coli. Harnett SP, et al.
Biochemistry 1985 Dec 3;24(25):7446–9
DNA filter retention assay for exonuclease activities. Application to the analysis of processivity of phage T5 induced 5'-exonuclease. Joannes M, et al. Biochemistry 1985 Dec 31;24(27):8043–9
Transcription by T7 RNA polymerase is not zinc-dependent and is abolished on amidomethylation of cysteine-347. King GC, et al. Biochemistry 1986 Jan 14;25(1):36–40
Unpaired cysteine-54 interferes with the ability of an engineered disulfide to stabilize T4 lysozyme. Perry LJ, et al. Biochemistry 1986 Feb 11;25(3):733–9
Endonuclease VII resolves Y-junctions in branched DNA in vitro. Jensch F, et al. EMBO J 1986 Jan;5(1):181–9
T7 RNA polymerase directed expression of the Escherichia coli rrnB operon. Steen R, et al. EMBO J 1986 May; 5(5):1099–103
Studies of the DNA helicase-RNA primase unit from bacteriophage T4. A trinucleotide sequence on the DNA template starts RNA primer synthesis. Cha TA, et al.
J Biol Chem 1986 May 25;261(15):7001–10
Contrasting effects of Escherichia coli single-stranded DNA binding protein on synthesis by T7 DNA polymerase and Escherichia coli DNA polymerase I (large fragment). Evidence that binding protein inhibits trans-lesion synthesis by polymerase I. Michaels ML, et al. J Biol Chem 1986 Apr 15;261(11):4847–54
Determination of the cleavage site of the phage T4 prohead protease in gene product 68. Influence of protein secondary structure on cleavage specificity. Keller B, et al.
J Mol Biol 1985 Dec 5;186(3):665–7
Structure of phage P22 gene 19 lysozyme inferred from its homology with phage T4 lysozyme. Implications for lysozyme evolution. Weaver LH, et al. J Mol Biol 1985 Aug 20;184(4):739–41
Illegitimate recombination mediated by T4 DNA topoisomerase in vitro. Recombinants between phage and plasmid DNA molecules. Ikeda H. MGG 1986 Mar; 202(3):518–20
Preparation of capped RNA transcripts using T7 RNA polymerase. Nielsen DA, et al. Nucleic Acids Res 1986 Jul 25;14(14):5936
A novel transcription property of SP6 and T7 RNA polymerases: dependence on template structure. Schenborn ET, et al. Nucleic Acids Res 1985 Sep 11;13(17):6223–36
Promoter and nonspecific DNA binding by the T7 RNA

polymerase. Smeekens SP, et al. **Nucleic Acids Res** 1986 Mar 25;14(6):2811–27

Bacteriophage T4 DNA topoisomerase mediates illegitimate recombination in vitro. Ikeda H. **Proc Natl Acad Sci USA** 1986 Feb;83(4):922–6

Bacteriophage T7 DNA polymerase: cloning and high-level expression. Reutimann H, et al. **Proc Natl Acad Sci USA** 1985 Oct;82(20):6783–7

[T4 polynucleotide kinase] Ishizaki Y, et al. **Tanpakushitsu Kakusan Koso** 1986 Jan;31(1):82–5 (Jpn)

GENETICS

Determination of the molecular mass of bacterial genomic DNA and plasmid copy number by high-pressure liquid chromatography. Genthner FJ, et al. **Appl Environ Microbiol** 1985 Oct;50(4):1007–13

The repair of pyrimidine dimers via a DNA–glycosylase mechanism. Grafstrom RH. **Basic Life Sci** 1986;38:281–6

The action of actinomycin D on the transcription of T7 coliphage DNA by Escherichia coli RNA polymerase. Flamée PA. **Biochem J** 1985 Sep 1;230(2):557–60

Cloning, expression, and purification of gene 3 endonuclease from bacteriophage T7. Pham TT, et al. **Biochemistry** 1985 Sep 24;24(20):5672–7

Neomycin is more efficient than streptomycin in suppressing frameshift mutations. Phoenix P, et al. **Can J Genet Cytol** 1985 Dec;27(6):776–9

Characterization of the intron in the phage T4 thymidylate synthase gene and evidence for its self-excision from the primary transcript. Chu FK, et al. **Cell** 1986 Apr 25; 45(2):157–66

The stability of bacteriophage T4 gene 32 mRNA: a 5' leader sequence that can stabilize mRNA transcripts. Gorski K, et al. **Cell** 1985 Dec;43(2 Pt 1):461–9

Genetic exchanges between bacteriophage T4 and filamentous fungi? [letter] Michel F, et al. **Cell** 1986 Aug 1;46(3):323

Evidence that a phage T4 DNA packaging enzyme is a processed form of the major capsid gene product. Rao VB, et al. **Cell** 1985 Oct;42(3):967–77

T4 polynucleotide kinase; cloning of the gene (pseT) and amplification of its product. Midgley CA, et al. **EMBO J** 1985 Oct;4(10):2695–703

The receptor specificity of bacteriophages can be determined by a tail fiber modifying protein. Riede I, et al. **EMBO J** 1985 Sep;4(9):2343–6

T4 phage gene uvsX product catalyzes homologous DNA pairing. Yonesaki T, et al. **EMBO J** 1985 Dec 1; 4(12):3321–7

Nucleotide sequence of the bacteriophage T5 DNA fragment which contains the gene for tRNAAsp. Shlyapnikov MG, et al. **Eur J Biochem** 1986 Apr 15;156(2):285–9

Cloning and DNA sequence of the 5'-exonuclease gene of bacteriophage T5. Kaliman AV, et al. **FEBS Lett** 1986 Jan 20;195(1–2):61–4

The nucleotide sequence of bacteriophage T5 leucine tRNA. Shlyapnikov MG, et al. **FEBS Lett** 1985 Nov 18; 192(2):299–302

T7 and E. coli share homology for replication-related gene products. Toh H. **FEBS Lett** 1986 Jan 6;194(2):245–8

RNA splicing and in vivo expression of the intron-containing td gene of bacteriophage T4. Belfort M, et al. **Gene** 1986; 41(1):93–102

Cloning and expression of the bacteriophage T3 RNA polymerase gene. Morris CE, et al. **Gene** 1986; 41(2–3):193–200

Non-toxic expression in Escherichia coli of a plasmid-encoded gene for phage T4 lysozyme. Perry LJ, et al. **Gene** 1985;38(1–3):259–64

Bacteriophage T4, a new vector for the expression of cloned genes. Shub DA, et al. **Gene** 1985;37(1–3):31–6

Escherichia coli Rho factor is involved in lysis of bacteriophage T4-infected cells. Linder CH, et al. **Genetics** 1985 Oct;111(2):197–218

Promoters recognized by Escherichia coli RNA polymerase selected by function: highly efficient promoters from bacteriophage T5. Gentz R, et al. **J Bacteriol** 1985 Oct; 164(1):70–7

Common evolutionary origin of the phage T4 dam and host Escherichia coli dam DNA–adenine methyltransferase genes. Hattman S, et al. **J Bacteriol** 1985 Nov;164(2):932–7

Cloning and expression of the ltf gene of bacteriophage T5. Heller KJ, et al. **J Bacteriol** 1986 Sep;167(3):1071–3

Purification and characterization of the T4 bacteriophage uvsX protein. Formosa T, et al. **J Biol Chem** 1986 May 5;261(13):6107–18

Cloning of the bacteriophage T4 uvsX gene and purification and characterization of the T4 uvsX recombination protein. Hinton DM, et al. **J Biol Chem** 1986 Apr 25; 261(12):5663–73

Bacteriophage T4 DNA replication protein 61. Cloning of the gene and purification of the expressed protein. Hinton DM, et al. **J Biol Chem** 1985 Oct 15;260(23):12858–65

Bacteriophage T4 DNA replication protein 41. Cloning of the gene and purification of the expressed protein. Hinton DM, et al. **J Biol Chem** 1985 Oct 15;260(23):12851–7

In vitro packaging of foreign DNA into heads of bacteriophage T1. Hug H, et al. **J Gen Virol** 1986 Feb;67 (Pt 2):333–43

The characterization of a set of amber mutants of bacteriophage T5. Kay D, et al. **J Gen Virol** 1986 Aug; 67 (Pt 8):1663–72

Sequence organization and control of transcription in the bacteriophage T4 tRNA region. Broida J, et al. **J Mol Biol** 1985 Oct 5;185(3):545–63

Phage and host genetic determinants of the specific anticodon loop cleavages in bacteriophage T4–infected Escherichia coli CTr5X. Kaufmann G, et al. **J Mol Biol** 1986 Mar 5; 188(1):15–22

Characterization of a defective phage system for the analysis of bacteriophage T4 DNA replication origins. Kreuzer KN, et al. **J Mol Biol** 1986 Mar 20;188(2):185–98

Initiation of transcription by bacteriophage T4–modified RNA polymerase independently of host sigma factor. Malik S, et al. **J Mol Biol** 1985 Sep 5;185(1):83–91

Isolation of bacteriophage T4 DNA polymerase mutator mutants. Reha-Krantz LJ, et al. **J Mol Biol** 1986 May 20; 189(2):261–72

Structure-function studies of the bacteriophage T4 DNA polymerase. Isolation of a novel suppressor mutant. Reha-Krantz LJ, et al. **J Mol Biol** 1985 Dec 5; 186(3):505–14

Cell-free transcription and translation of isolated restriction fragments localize bacteriophage T5 pre-early genes. Blaisdell PW, et al. **J Virol** 1986 Mar;57(3):759–64

End structure and mechanism of packaging of bacteriophage T4 DNA. Kaliński A, et al. **J Virol** 1986 Jun;58(3):951–4

Nucleotide sequence and protein overproduction of bacteriophage T4 thioredoxin. LeMaster DM. **J Virol** 1986 Sep;59(3):759–60

Mutagenesis of bacteriophage T7 and T7 DNA by alkylation damage. Masker WE, et al. **J Virol** 1985 Nov;56(2):644–6

Interruption-deficient mutants of bacteriophage T5: analysis of single-site mutants. Rhoades M. **J Virol** 1986 Aug; 59(2):203–9

The alpha-glucosyltransferases of bacteriophages T2, T4 and T6. A comparison of their primary structures. Gram H, et al. **MGG** 1986 Mar;202(3):467–70

A coupled in vitro system for the formation and packaging of concatemeric phage T1 DNA. Liebeschuetz J, et al. **MGG** 1985;200(3):451–7

Identification of T4 gene 25 product, a component of the tail baseplate, as a 15K lysozyme. Szewczyk B, et al. **MGG** 1986 Mar;202(3):363–7

Cloning and expression of the 3' portion of the T4 denV gene as a lacZ fusion gene. Lloyd RS, et al. **Mutat Res** 1986 Mar;165(2):89–100

Sequence of a region near the left end of bacteriophage T3 DNA that contains three promoters for the E. coli RNA polymerase. Brown JE, et al. **Nucleic Acids Res** 1986 Jun 11;14(11):4696

Localisation and characterization of a new rho-dependent transcription terminator from bacteriophage T5. Brunel F, et al. **Nucleic Acids Res** 1985 Nov 11;13(21):7687–701

Persistence of DNA synthesis arrest sites in the presence of T4 DNA polymerase and T4 gene 32, 44, 45 and 62 DNA polymerase accessory proteins. Charette MF, et al. **Nucleic Acids Res** 1986 Apr 25;14(8):3343–62

Sequence of the T4 recombination gene, uvsX, and its comparison with that of the recA gene of Escherichia coli. Fujisawa H, et al. **Nucleic Acids Res** 1985 Oct 25; 13(20):7473–81

Sigma factors from E. coli, B. subtilis, phage SP01, and phage T4 are homologous proteins. Gribskov M, et al. **Nucleic Acids Res** 1986 Aug 26;14(16):6745–63

Sequence and analysis of the gene for bacteriophage T3 RNA polymerase. McGraw NJ, et al. **Nucleic Acids Res** 1985 Sep 25;13(18):6753–66

Translational regulation of expression of the bacteriophage T4 lysozyme gene. McPheeters DS, et al. **Nucleic Acids Res** 1986 Jul 25;14(14):5813–26

T4-induced alpha- and beta-glucosyltransferase: cloning of the genes and a comparison of their products based on sequencing data. Tomaschewski J, et al. **Nucleic Acids Res** 1985 Nov 11;13(21):7551–68

Processing of phage T4 td-encoded RNA is analogous to the eukaryotic group I splicing pathway. Ehrenman K, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(16):5875–9

Interactions of the RNA polymerase of bacteriophage T7 with its promoter during binding and initiation of transcription. Ikeda RA, et al. **Proc Natl Acad Sci USA** 1986 Jan;83(11):3614–8

Frameshift mutations produced by proflavin in bacteriophage T4: specificity within a hotspot. Ripley LS, et al. **Proc Natl Acad Sci USA** 1986 Sep;83(18):6954–8

Genetic complementation of UV-induced DNA repair in Chinese hamster ovary cells by the denV gene of phage T4. Valerie K, et al. **Proc Natl Acad Sci USA** 1985 Nov; 82(22):7656–60

T1 pip: a mutant which affects packaging initiation and processive packaging of T1 DNA. Drexler H, et al. **Virology** 1986 Apr 30;150(2):373–80

Overproduction and purification of the products of bacteriophage T3 genes 18 and 19, two genes involved in DNA packaging. Hamada K, et al. **Virology** 1986 May; 151(1):110–8

Crossover sites cix for inversion of the invertible DNA segment C on the bacteriophage P7 genome. Iida S, et al. **Virology** 1985 May;143(1):347–51

Correlation of the genetic and physical maps of phage T1. Liebeschuetz J, et al. **Virology** 1985 May;143(1):175–84

Purification of characterization of gene 8 product of bacteriophage T3. Nakasu S, et al. **Virology** 1985 Jun; 143(2):422–34

Phage P22 lysis genes: nucleotide sequences and functional relationships with T4 and lambda genes. Rennell D, et al. **Virology** 1985 May;143(1):280–9

Dependence of MS2 and T4 phage growth upon host amino acid biosynthesis during infections of Escherichia coli. Rojiani M, et al. **Virology** 1986 Apr 15;150(1):313–7

Nucleotide sequence of bacteriophage T4 uvsY gene. Takahashi H, et al. **Virology** 1985 Dec;147(2):349–53

Cloning and sequencing of the genetic right end of bacteriophage T3 DNA. Yamada M, et al. **Virology** 1986 Jun;151(2):350–61

Isolation and characterization of bacteriophage T3/T7 hybrids and their use in studies on molecular basis of DNA-packaging specificity. Yamagishi M, et al. **Virology** 1985 Jul 30;144(2):502–15

[Organization of transport RNA genes in bacteriophage T5] Ksenzenko VN, et al. **Dokl Akad Nauk SSSR** 1986; 288(2):474–7 (Rus)

[Effect of superhelical DNA on the transcription of cloned genes of the T4 phage] Ogryz'ko VV, et al. **Mol Biol (Mosk)** 1986 May-Jun;20(3):745–50 (Eng. Abstr.) (Rus)

[Bacteriophages T3 and T7: transcription-dependent mechanism of phage DNA transport into the cell during infection] Zavriev SK, et al. **Mol Biol (Mosk)** 1986 Mar-Apr;20(2):415–22 (Eng. Abstr.) (Rus)

[The role of ATP and membrane potential in the penetration of phage T17 DNA into the cell during infection] Zimkus AZ, et al. **Mol Biol (Mosk)** 1986 Jan-Feb;20(1):185–91 (Eng. Abstr.) (Rus)

GROWTH & DEVELOPMENT

A simulation of T4 bacteriophage assembly and operation. Thompson RL, et al. **Biosystems** 1985;18(1):23–45

Involvement of host DNA gyrase in growth of bacteriophage T5. Constantinou A, et al. **J Virol** 1986 Mar;57(3):875–82

METABOLISM

Alignment and merging of electron microscope images of frozen hydrated crystals of the T4 DNA helix destabilizing protein gp32*I. Grant RA, et al. **Biophys J** 1986 Jan; 49(1):251–8

Binding of ethidium to bacteriophage T7 and T7 deletion mutants. Griess GA, et al. **Biopolymers** 1985 Aug; 24(8):1635–46

A specific model for the conformation of single-stranded polynucleotides in complex with the helix-destabilizing protein GP32 of bacteriophage T4. Scheerhagen MA, et al. **Biopolymers** 1986 Aug;25(8):1419–48

Expression of the unassembled capsid protein during infection of Shigella sonnei by bacteriophage T7 results in DNA damage that is repairable by bacteriophage T3, but not T7, DNA ligase. Beck PJ, et al. **J Bacteriol** 1986 Jul; 167(1):251–6

Peptidoglycan association of bacteriophage T5 receptor in Escherichia coli K-12. Menichi B, et al. **J Bacteriol** 1986 Jun;166(3):1137–40

Mechanism of inhibition of bacteriophage T7 DNA synthesis in Escherichia coli B cells infected by alkylated bacteriophage T7. Czaika G, et al. **Mutat Res** 1986 Jul; 166(1):1–8

A defined in vitro system for packaging of bacteriophage T3 DNA. Hamada K, et al. **Virology** 1986 May; 151(1):119–23

PHYSIOLOGY

Involvement of calcium in the transient depolarization of E.coli cytoplasmic membrane induced by phage adsorption: a study with the fluorescent calcium indicator QUIN2. Boulanger P, et al. **Biochem Biophys Res Commun** 1985 Sep 16;131(2):856–62

Organization of biological systems: some principles and models. Goel NS, et al. **Int Rev Cytol** 1986;103:1–88 (92 ref.)

Laser cross-linking of nucleic acids to proteins. Methodology and first applications to the phage T4 DNA replication system. Hockensmith JW, et al. **J Biol Chem** 1986 Mar 15;261(8):3512–8

Assembly and disassembly of bacteriophage T4 polyheads. Caldentey J, et al. **J Mol Biol** 1986 Mar 5;188(1):39–48

Topoisomerase II and other DNA-delay and DNA-arrest mutations impair bacteriophage T4 DNA packaging in vivo and in vitro. Zachary A, et al. **J Virol** 1986 Oct; 60(1):97–104

Membrane ATPase activation on infection of E. coli K (lambda) cells with phage T4rII mutants. Colowick MS, et al. **Trans NY Acad Sci** 1983;41:35–40

Role of the gene 17 protein of bacteriophage T4. Kawai Y, et al. **Virology** 1985 Dec;147(2):459–61

RADIATION EFFECTS

Oxygen effect and influence of buffer on radiation-induced tritium cleavage from phage-T2-DNA-(methyl-3H) in aqueous solution. Merwitz O, et al. **Radiat Environ Biophys** 1985;24(4):239–49

ULTRASTRUCTURE

Molecular organization of the head of bacteriophage Teven: underlying design principles. Yanagida M, et al. **Adv Biophys** 1984;17:97–146 (100 ref.)

Cryo-electron microscopy of helical particles TMV and T4 polyheads. Lepault J. J Microsc 1985 Oct;140 (Pt 1):73–80
Electron microscopy of frozen hydrated specimens: preparation and characteristics. Lepault J, et al. **Methods Enzymol** 1986;127:719–30
Ion etching bacteriophage T4: support for a spiral–fold model of packaged DNA. Black LW, et al. **Proc Natl Acad Sci USA** 1985 Dec;82(23):7960–4
Correlation of surface topography of metal–shadowed specimens with their negatively stained reconstructions. Buhle EL Jr, et al. **Ultramicroscopy** 1985;16(3–4):436–50
The detection of temperature induced structural changes in T4B and T7 bacteriophages by means of high precision acoustic velocity measurements. Shilnikov GV, et al. **Ultrasound Med Biol** 1986 Jun;12(6):511–7
Potential length determiner and DNA injection protein is extruded from bacteriophage T4 tail tubes in vitro. Duda RL, et al. **Virology** 1986 Jun;151(2):296–314

T RNA METHYLTRANSFERASES see **RNA, TRANSFER, METHYLTRANSFERASES**

T SUPPRESSOR FACTORS see **SUPPRESSOR FACTORS, IMMUNOLOGIC**

TABES DORSALIS

COMPLICATIONS

Multiple neuropathic arthropathy in a patient with syphilis. Fishel B, et al. **Clin Rheumatol** 1985 Sep;4(3):348–52
Total prosthetic replacement in tabetic arthropathy of the hip joint. Baldini N, et al. **Ital J Orthop Traumatol** 1985 Jun;11(2):193–7
[Narrow lumbar canal in a patient with tabes dorsalis (letter)] Thenint JP, et al. **Presse Med** 1985 Dec 14;14(43):2196 **(Fre)**

TABLETS

Detectability of drug tablets and capsules by plain radiography. O'Brien RP, et al. **Am J Emerg Med** 1986 Jul;4(4):302–12
Movement of granules and tablets in the gastrointestinal tract of gastric–emptying–controlled rabbits. Takahashi T, et al. **Chem Pharm Bull (Tokyo)** 1985 Dec;33(12):5495–502
Liquid penetration into tablets containing surfactants. Wan LS, et al. **Chem Pharm Bull (Tokyo)** 1985 Jun;33(6):2569–74
A helpful aid for pill swallowing: the pop–bottle method. Fowler JF Jr. **Cutis** 1986 Jun;37(6):461
The effect of size and shape of tablets on their esophageal transit. Channer KS, et al. **J Clin Pharmacol** 1986 Feb; 26(2):141–6
The formulation related impact of disks on the USP XX disintegration test. Van Aerde P, et al. **J Pharm Belg** 1985 Nov–Dec;40(6):395–7
The plasto–elasticity and compressibility of coated powders and the tensile strengths of their tablets. Ejiofor O, et al. **J Pharm Pharmacol** 1986 Jan;38(1):1–7
The effect of temperature on the plasto–elasticity of some pharmaceutical powders and on the tensile strengths of their tablets. Esezobo S, et al. **J Pharm Pharmacol** 1986 Jun;38(6):409–13
The use of strain gauges for radial stress measurement during tableting. Huckle PD, et al. **J Pharm Pharmacol** 1985 Oct; 37(10):722–5
Investigation of the film formation of magnesium stearate by applying a flow–through dissolution technique. Johansson ME, et al. **J Pharm Pharmacol** 1986 Jan; 38(1):51–4
Brittle fracture propensity measurements on 'tablet–sized' cylindrical compacts. Roberts RJ, et al. **J Pharm Pharmacol** 1986 Jul;38(7):526–8
Localized cracking around pigment particles in tablet film coatings: a theoretical approach. Rowe RC. **J Pharm Pharmacol** 1986 Jul;38(7):529–30
A study of powder adhesion to metal surfaces during compression of effervescent pharmaceutical tablets. Sendall FE, et al. **J Pharm Pharmacol** 1986 Jul;38(7):489–93
Content uniformity of microdose tablets (dosage 1 microgram—10 mg) produced by fluid bed granulation of interactive mixtures. Thiel WJ, et al. **J Pharm Pharmacol** 1986 May;38(5):335–43
Metabolic alkalosis induced by effervescent preparations [letter] Heir RS, et al. **Lancet** 1985 Nov 23;2(8465):1182–3
Some studies of the effect of processing variables on the properties of granules and tablets made by wet granulation. Ghanta SR, et al. **Pharm Acta Helv** 1986;61(7):191–7
The role of water uptake on tablet disintegration. Design of an improved method for penetration measurements. van Kamp HV, et al. **Pharm Acta Helv** 1986;61(1):22–9
Action of surfactant on disintegration and dissolution of tablets containing microcrystalline cellulose. Wan LS, et al. **Pharm Acta Helv** 1986;61(5–6):157–63
The effect of excipients on the penetration of liquid into tablets. Wan LS, et al. **Pharm Acta Helv** 1986;61(3–6):150–6
The compression of granulates containing solid dispersions. Kinget R, et al. **Pharmazie** 1985 Jul;40(7):475–7
[Application of new technology for effervescent tablets to different active principles] Joachim J, et al. **J Pharm Belg** 1985 Jul–Aug;40(4):229–36 (Eng. Abstr.) **(Fre)**
[Dynamics of the liberation of therapeutic substances from tablets. XXI. Comparison of 4 liberation models with Vasculat and Bupatol tablets as examples] Kasprzyk A, et al. **Acta Pharm Hung** 1986 Mar;56(2):49–53 (Eng. Abstr.) **(Ger)**
[Preparations of matrix tablets from a polyacrylate base] Mank R, et al. **Pharmazie** 1986 Jan;41(1):42–4 (Eng. Abstr.) **(Ger)**
[Investigation of drug film coatings. II. Study of the elasticity of films] Kovács B, et al. **Acta Pharm Hung** 1985 Jul; 55(4):205–11 (Eng. Abstr.) **(Hun)**
[Drug film coatings. III. Permeation properties] Kovács B, et al. **Acta Pharm Hung** 1985 Nov;55(6):241–8 (Eng. Abstr.) **(Hun)**
[Influence of adjuvant ingredients and technology in the tabletting of hard–to–compress pharmaceuticals. I. Direct compression] Miseta M, et al. **Acta Pharm Hung** 1986 May; 56(3):121–4 (Eng. Abstr.) **(Hun)**
[Disintegrating– and hardness–increasing effect of Avicel PH 101S] Szabóné Révész P, et al. **Acta Pharm Hung** 1986 Jul;56(4):165–73 (Eng. Abstr.) **(Hun)**
[Design and evaluation of a new disintegration test apparatus for vaginal tablets] Yamaguchi M, et al. **Yakugaku Zasshi** 1986 Mar;106(3):228–32 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Drugs and esophagitis: one banana makes a swallow [letter] Neumann HH. **JAMA** 1985 Dec 27;254(24):3424

STANDARDS

Measurement of hardness and strength of tablets and their relation to compaction performance of powders. Jetzer WE. **J Pharm Pharmacol** 1986 Apr;38(4):254–8
[Comparison of the disintegration of twenty kinds of tablets made of Chinese medicinal plant extracts in water and in 0.1M HCl] Xin DX. **Chung Yao Tung Pao** 1986 Feb; 11(2):33–5 **(Chi)**
[Studies on a new sampling scheme by variables for the content uniformity of tablets] Zhong DF, et al. **Yao Hsueh Hsueh Pao** 1986 Feb;21(2):130–6 (Eng. Abstr.) **(Chi)**
[In vitro biopharmaceutical control of pharmaceutical preparations. 7. Design and experimental study of flow through cells applicable to dissolution tests] Kisané Csikós E, et al. **Acta Pharm Hung** 1986 Jan;56(1):26–33 (Eng. Abstr.) **(Hun)**

TABLETS, ENTERIC-COATED

Application of solid dispersions with enteric coating agents to overcome some pharmaceutical problems. Hasegawa A, et al. **Chem Pharm Bull (Tokyo)** 1986 May;34(5):2183–90
Gloss measurement on film coated tablets. Rowe RC. **J Pharm Pharmacol** 1985 Nov;37(11):761–5
A new approach to the oral administration of insulin and other peptide drugs. Saffran M, et al. **Science** 1986 Sep 5;233(4768):1081–4
[Gastroresistant varnishing with aqueous solutions of cellulose acetate phthalate] Mozzi G, et al. **Boll Chim Farm** 1985 Jun;124(6):279–83 (Eng. Abstr.) **(Ita)**

ANALYSIS

Physical properties of solid dispersions of poorly water–soluble drugs with enteric coating agents. Hasegawa A, et al. **Chem Pharm Bull (Tokyo)** 1985 Aug;33(8):3429–35

TABOO

Favourite words. McDonald P, et al. **Arch Dis Child** 1985 Sep;60(9):874–6
Dangers of the vagina. Beit–Hallahmi B. **Br J Med Psychol** 1985 Dec;58 (Pt 4):351–6
Polluting and healing among the Northern Yaka of Zaire. Devisch R. **Soc Sci Med** 1985;21(6):693–700

TACHYCARDIA

Repetitive ventricular tachycardia. Turakhia DP, et al. **J Assoc Physicians India** 1985 Jul;33(7):481–3
A simple method for the production of ventricular tachycardia in the rat and guinea pig. Tripathi RM, et al. **J Pharmacol Methods** 1986 Jun;15(3):279–82

BLOOD

The plasma catecholamine response to ventricular tachycardia induction and external countershock during electrophysiologic testing. Morady F, et al. **J Am Coll Cardiol** 1986 Sep;8(3):584–91
Digoxin–like immunoreactivity during atrial arrhythmias [letter] Kaye GC, et al. **Lancet** 1986 Mar 22;1(8482):689
Tachycardia releases atrial natriuretic peptide in the anesthetized rabbit. Rankin AJ, et al. **Life Sci** 1986 May 26;38(21):1951–7
[Torsades de pointes and hypomagnesemia] Marsepoil T, et al. **Ann Fr Anesth Reanim** 1985;4(6):524–6 (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

Nine cases of torsade de pointes with bepridil administration. Manouvrier J, et al. **Am Heart J** 1986 May;111(5):1005–7
Incidence and clinical features of the quinidine–associated long QT syndrome: implications for patient care. Roden DM, et al. **Am Heart J** 1986 Jun;111(6):1088–93
Refractory ventricular tachycardia with flecainide. Wynn J, et al. **Am Heart J** 1986 Jul;112(1):174–5
Torsade de pointes: an unusual manifestation of chloral hydrate poisoning. Young JB, et al. **Am Heart J** 1986 Jul; 112(1):181–4
QT prolongation and recurrent "torsades de pointes" during erythromycin lactobionate infusion [letter] Guelon D, et al. **Am J Cardiol** 1986 Sep 15;58(7):666
Electrocardiographic changes associated with ritodrine–induced maternal tachycardia and hypokalemia. Hendricks SK, et al. **Am J Obstet Gynecol** 1986 Apr; 154(4):921–3
Sudden–onset tachycardia induced in a child by imipramine [letter] Diamond JM. **Am J Psychiatry** 1986 Aug; 143(8):1067
Chloral hydrate: a potential cause of arrhythmias. Hirsch IA, et al. **Anesth Analg** 1986 Jun;65(6):691–2
Experimental amitriptyline intoxication: treatment of cardiac toxicity with sodium bicarbonate. Sasyniuk BI, et al. **Ann Emerg Med** 1986 Sep;15(9):1052–9
N–acetylprocainamide, torsades de pointes, and hemodialysis [letter] Nguyen KP, et al. **Ann Intern Med** 1986 Feb; 104(2):283–4
Cardiovascular reactions associated with the use of ketamine and epinephrine in plastic surgery. Cabbabe EB, et al. **Ann Plast Surg** 1985 Jul;15(1):50–6
Cardiac dysrhythmias associated with ophthalmic atropine. Merli GJ, et al. **Arch Intern Med** 1986 Jan;146(1):45–7
Cardiac side effects of phenytoin and carbamazepine. A dose–related phenomenon? Durelli L, et al. **Arch Neurol** 1985 Nov;42(11):1067–8
Alpha receptors and ventricular tachycardia after clonidine withdrawal [letter] Nakagawa S, et al. **Br Heart J** 1986 Aug;56(2):194
Transient bradycardia and subsequent sinus tachycardia produced by intravenous adenosine in healthy adult subjects. Watt AH, et al. **Br J Clin Pharmacol** 1986 May; 21(5):533–6
Recurrent ventricular tachycardia: adverse drug reactions [letter] **Br Med J [Clin Res]** 1986 Mar 8;292(6521):698
Torsade de pointes after astemizole overdose. Craft TM. **Br Med J [Clin Res]** 1986 Mar 8;292(6521):660
Procainamide induced sustained monomorphic ventricular tachycardia in a patient with benign premature ventricular complexes. Bhandari AK, et al. **Can J Cardiol** 1986 Jan–Feb;2(1):6–9
Ajmaline–induced torsade de pointes [letter] Belhassen B. **Cardiology** 1986;73(1):54–5
Atrial arrhythmias exacerbated by theophylline. Response to verapamil and evidence for triggered activity in man. Marchlinski FE, et al. **Chest** 1985 Dec;88(6):931–4
Tachycardic and hypertensive effects of centrally administered clonidine in conscious rats. Imai Y, et al. **Clin Exp Hypertens [A]** 1986;8(2):239–58
Drug–induced torsade de pointes. Raehl CL, et al. **Clin Pharm** 1985 Nov–Dec;4(6):675–90 (110 ref.)
Diuretics, potassium and arrhythmias in hypertensive coronary disease. Ikram H, et al. **Drugs** 1986;31 Suppl 4:101–8
Amiodarone–induced torsades de pointes. Brown MA, et al. **Eur Heart J** 1986 Mar;7(3):234–9
Malignant ventricular tachyarrhythmias in association with propafenone treatment. Buss J, et al. **Eur Heart J** 1985 May;6(5):424–8
Drug–induced torsade des pointes: case report and implications for the critical care staff. Steger KE, et al. **Heart Lung** 1986 Mar;15(2):200–2
Wide–complex tachycardia after a suicide attempt. Hancock EW. **Hosp Pract [Off]** 1986 Jun 15;21(6):61, 64, 67
Exercise–induced ventricular tachycardia as a manifestation of flecainide toxicity. Hoffmann A, et al. **Int J Cardiol** 1986 Jun;11(3):353–5
Left anterior hemiblock, complete right bundle branch block and sinus tachycardia in maprotiline poisoning. Fernandez–Quero L, et al. **Intensive Care Med** 1985; 11(4):220–2
Clinical features and basic mechanisms of quinidine–induced arrhythmias. Roden DM, et al. **J Am Coll Cardiol** 1986 Jul;8(1 Suppl A):73A–78A
A case of trazodone–induced ventricular tachycardia. Aronson MD, et al. **J Clin Psychiatry** 1986 Jul;47(7):388–9
Simultaneous appearance of endocardial late potentials and ability to induce sustained ventricular tachycardia after procainamide administration. Gallagher JD, et al. **J Electrocardiol** 1986 Apr;19(2):197–201
Location of the mechanism of the clonidine withdrawal tachycardia in rats. Jonkman FA, et al. **J Pharm Pharmacol** 1985 Aug;37(8):580–2
Ventricular tachycardia associated with non–freon aerosol propellants. Wason S, et al. **JAMA** 1986 Jul 4;256(1):78–80
Torsade de pointes with prenylamine: do we still need the drug? [letter] Fraser AG, et al. **Lancet** 1986 Sep 6; 2(8506):572
Cardiovascular collapse following intravenous fluorescein sodium. Baraka A, et al. **Middle East J Anesthesiol** 1986 Jun;8(5):437–40

Overdosage of subcutaneous terbutaline in the treatment of preterm labor. Hill WC. **Nebr Med J** 1986 Jul;71(7):242–3
Torsade de pointes induced by sotalol and hypokalaemia. Bennett JM, et al. **S Afr Med J** 1985 Oct 12;68(8):591–2
Management of theophylline toxicity [clinical conference] Rothman A, et al. **Va Med** 1985 Aug;112(8):504–8
[Tachycardia following a bolus of cimetidine. Drug interaction (letter)] Massen H, et al. **Therapie** 1986 Mar–Apr;41(2):148–9 (Fre)
[Helicoidal ventricular tachycardia caused by amitriptyline. Presentation of a case] Jerjes Sánchez Díaz C, et al. **Arch Inst Cardiol Mex** 1985 Jul–Aug;55(4):353–6 (Eng. Abstr.) (Spa)

CLASSIFICATION

Sustained monomorphic ventricular tachycardia [letter] Hardebeck CJ. **Ann Intern Med** 1986 Oct;105(4):623
[Classification and differential diagnosis of ventricular tachycardia] Kasanuki H. **Nippon Rinsho** 1985 Nov; 43(11):2360–9 (Jpn)

COMPLICATIONS

Comparison of the efficacy and safety of esmolol, a short-acting beta blocker, with placebo in the treatment of supraventricular tachyarrhythmias.The Esmolol vs Placebo Multicenter Study Group. Anderson S, et al. **Am Heart J** 1986 Jan;111(1):42–8
Ventricular tachydyarhythmias in near-miss sudden infant death syndrome. Buchanan D, et al. **Am Heart J** 1986 Feb; 111(2):398–400
Resolution of congestive cardiomyopathy caused by supraventricular tachycardia using amiodarone. Leman RB, et al. **Am Heart J** 1986 Sep;112(3):622–4
Tachycardia–induced cardiomyopathy: a reversible form of left ventricular dysfunction. Packer DL, et al. **Am J Cardiol** 1986 Mar 1;57(8):563–70
Relation between nonsustained atrial tachycardia and paroxysmal atrial fibrillation. Stern EH, et al. **Am J Cardiol** 1986 Feb 1;57(4):339–40
Sudden cardiac death—1986. Buxton AE. **Ann Intern Med** 1986 May;104(5):716–8
Intra–uterine tachycardia associated with multicystic encephalomalacia (MCE). van Doornik MC, et al. **Eur J Obstet Gynecol Reprod Biol** 1985 Sep;20(3):191–5
Severe hydrops fetalis due to congenital supraventricular tachycardia. Rein AJ, et al. **Eur J Pediatr** 1986 Feb; 144(5):511–2
Supraventricular tachycardia in chronic pulmonary disease. Hancock EW. **Hosp Pract [Off]** 1986 Aug 15;21(8):139, 142
Relation between ventricular arrhythmia and sudden cardiac death in patients with acute myocardial infarction: the predictors of ventricular fibrillation. Bluzhas J, et al. **J Am Coll Cardiol** 1986 Jul;8(1 Suppl A):69A–72A
Perioperative and long–term results after electrophysiologically directed ventricular surgery for recurrent ventricular tachycardia. Garan H, et al. **J Am Coll Cardiol** 1986 Jul;8(1):201–9
Cardiac syncope: a case exhibiting dichotomy between clinical impression and electrophysiologic evaluation. Aonuma K, et al. **PACE** 1986 Mar;9(2):178–87
Nonclinical ventricular tachycardia in the Wolff–Parkinson–White syndrome. Milstein S, et al. **PACE** 1985 Sep;8(5):678–83
Lithium treatment of mania in a patient with recurrent ventricular tachycardia. Levenson JL, et al. **Psychosomatics** 1986 Aug;27(8):594–6
[Fetal tachycardia—a cause of nonimmunologic hydrops] Möller U, et al. **Zentralbl Gynakol** 1986;108(2):122–6 (Eng. Abstr.) (Ger)
[Tachycardia in the LGL syndrome] Hagiwara N, et al. **Nippon Rinsho** 1985 Nov;43(11):2319–24 (Jpn)

DIAGNOSIS

Exercise–related ventricular tachycardia in children. Bricker JT, et al. **Am Heart J** 1986 Jul;112(1):186–8
Supraventricular tachyarrhythmias: their evaluation and therapy. Keefe DL, et al. **Am Heart J** 1986 Jun; 111(6):1150–61 (89 ref.)
Observations on QRS alternans in a patient with two types of narrow QRS tachycardia. Morady F, et al. **Am Heart J** 1986 Sep;112(3):615–8
Frequency and significance of induced sustained ventricular tachycardia or fibrillation two weeks after acute myocardial infarction. Bhandari AK, et al. **Am J Cardiol** 1985 Nov 1;56(12):737–42
Transesophageal study of recurrent atrial tachycardia after atrial baffle procedures for complete transposition of the great arteries. Butto F, et al. **Am J Cardiol** 1986 Jun 1; 57(15):1356–62
Diagnosis of wide QRS tachyarrhythmias: poor atrial echogram specificity in cases of atrioventricular association [letter] Curione M, et al. **Am J Cardiol** 1986 Sep 15; 58(7):665
Initial presentation of sustained ventricular tachycardia after resection of left ventricular aneurysm. Curtis JL, et al. **Am J Cardiol** 1986 Sep 1;58(6):560–1
Modes of onset ("initiating events") for paroxysmal atrial tachycardia in infants and children. Dunnigan A, et al. **Am J Cardiol** 1986 Jun 1;57(15):1280–7
Atrial electrocardiography for diagnosis of wide QRS tachycardia [letter] Feldman T. **Ann Intern Med** 1986 Sep; 105(3):462
Wide complex tachycardia: misdiagnosis and outcome after emergent therapy. Stewart RB, et al. **Ann Intern Med** 1986 Jun;104(6):766–71
The wide QRS tachycardia [editorial] Wellens HJ. **Ann Intern Med** 1986 Jun;104(6):879
Diagnosis of ventricular tachycardia: a clinical algorithm. Dancy M, et al. **Br Med J [Clin Res]** 1985 Oct 12; 291(6501):1036–8
Cardiac tachyarrhythmias in hereditary long QT syndromes presenting as a seizure disorder. Sundaram MB, et al. **Can J Neurol Sci** 1986 Aug;13(3):262–3
Signal averaging methods to select patients at risk for lethal arrhythmias. Simson MB, et al. **Cardiovasc Clin** 1985; 15(3):145–53 (36 ref.)
Atrial tachycardia with 4:3 Wenckebach exit conduction. Lindsay AE, et al. **Chest** 1986 May;89(5):745–6
Ventricular tachycardia–like complexes in acute myocardial infarction [letter] Madias JE. **Chest** 1985 Oct;88(4):644
Computer detection of atrioventricular dissociation from surface electrocardiograms during wide QRS complex tachycardias. Slocum J, et al. **Circulation** 1985 Nov; 72(5):1028–36
Pseudo P waves: a cause of diagnostic confusion in wide QRS tachycardia. Chapman PD, et al. **Clin Cardiol** 1986 Jan;9(1):30–2
Application of a new spatial signal averaging device for the beat–to–beat detection of cardiac late potentials. Chen WC, et al. **Clin Cardiol** 1986 Jun;9(6):263–7
Ventricular tachycardia in myocardial infarction: relation to heart rate and premature ventricular contractions. Bluzhas J, et al. **Eur Heart J** 1985 Sep;6(9):745–50
Ventricular tachycardia. Greenspan AM. **Geriatrics** 1986 Apr;41(4):67–73
Supraventricular tachycardia and respiratory arrest. Hancock EW. **Hosp Pract [Off]** 1986 Apr 15;21(4):109, 112
Postoperative supraventricular tachycardia. Hancock EW. **Hosp Pract [Off]** 1986 May 15;21(5):61, 64–5
ECG casebook. Large P waves in an atrial arrhythmia. Hancock EW. **Hosp Pract [Off]** 1985 Oct 15;20(10):35, 38–9
The use of multiple extrastimuli during programmed ventricular stimulation: how many should be used? Buxton AE. **Int J Cardiol** 1985 Jan;7(1):86–91
Fetal tachycardia and intramyocardial tumors. Birnbaum SE, et al. **J Am Coll Cardiol** 1985 Dec;6(6):1358–61
The minimally appropriate electrophysiologic study for the initial assessment of patients with documented sustained monomorphic ventricular tachycardia. Waldo AL, et al. **J Am Coll Cardiol** 1985 Nov;6(5):1174–7
Torsades de pointes. Scott JL. **J Emerg Med** 1985;3(4):289–94
On the fast lane. Atypical supraventricular tachycardia. Martinez–Lopez JI. **J La State Med Soc** 1986 Jan;138(1):11, 13–4
EKG of the month: electrical alternans of QRS and T wave and sinus tachycardia. Campbell WB. **J Tenn Med Assoc** 1986 Jan;79(1):34–5
A prevalent misconception regarding wide–complex tachycardias. Morady F, et al. **JAMA** 1985 Nov 15; 254(19):2790–2
The diagnosis of ventricular tachycardias [letter] Spodick DH. **JAMA** 1986 Apr 4;255(13):1709
Five cases of arrhythmogenic left ventricular aneurysm unrelated to coronary occlusion. Aizawa Y, et al. **Jpn Circ J** 1986 Jan;50(1):45–55
"Looks like SVT" [editorial] **Lancet** 1986 Sep 13;2(8507):612–3
Detection of pathological tachycardia by analysis of electrogram morphology. Davies DW, et al. **PACE** 1986 Mar;9(2):200–8
Differentiation of sinus tachycardia from paroxysmal 1:1 tachycardias using single late diastolic atrial extrastimuli. Munkenbeck FC, et al. **PACE** 1986 Jan;9(1 Pt 1):53–64
[Differentiation of ventricular tachycardia from supraventricular tachycardia by the His bundle electrogram in 10 patients] Hu SJ, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1984 Dec; 12(4):268–70, 316 (Eng. Abstr.) (Chi)
[Prenatal echographic diagnosis of fetoplacental anasarca] Nguyen The H, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1985;14(8):1005–10 (Eng. Abstr.) (Fre)
[Diagnosis and treatment of fetal tachycardia. Apropos of 2 cases] Jouk PS, et al. **Pediatrie** 1985 Mar;40(2):107–13 (Eng. Abstr.) (Fre)
[Tachycardia with wide QRS complex] Hess T, et al. **Schweiz Rundsch Med Prax** 1985 Aug 13;74(33):847–51 (Eng. Abstr.) (Ger)
[Multifocal atrial tachycardia in the newborn infant—obstetrical implications] Haenel AF, et al. **Z Geburtshilfe Perinatol** 1985 Sep–Oct;189(5):228–31 (Eng. Abstr.) (Ger)
[Congenital supraventricular tachycardia] Lotan C, et al. **Harefuah** 1985 Oct;109(7–8):182–3 (Eng. Abstr.) (Heb)
[Value and limitations of electropharmacological tests in the selection of anti–arrhythmic therapy in malignant ventricular tachyarrhythmia] Klein H. **Cardiologia** 1985 Jul; 30(7):487–92 (Ita)
[Identification of the site of origin of ventricular arrhythmia] Bando S, et al. **Kokyu To Junkan** 1985 Aug;33(8):985–92 (28 ref.) (Jpn)
[Intraatrial block and supraventricular tachycardia] Hiejima K. **Nippon Rinsho** 1985 Nov;43(11):2299–303 (Jpn)
[Identification of the origin of ventricular tachycardia by body surface mapping] Hayashi H, et al. **Rinsho Byori** 1986 Jan;34(1):105–10 (Jpn)
[Clinico–electrocardiographic characteristics and significance of idioventricular tachycardia in acute myocardial infarct] Ionescu DD, et al. **Rev Med Interna [Med Interna]** 1985 May–Jun;37(3):223–36 (Eng. Abstr.) (Rum)
[Epicardial mapping as a method for the intraoperative diagnosis of ventricular tachycardia] Bokeriia LA, et al. **Patol Fiziol Eksp Ter** 1985 Nov–Dec;(6):55–8 (Eng. Abstr.) (Rus)
[Non–paroxysmal (long–term) ectopic tachycardia in children] Ternova TI. **Pediatriia** 1986 Jun;(6):10–4 (Eng. Abstr.) (Rus)
[Potentials and limits of transesophageal electrical stimulation of the heart in diagnosing supraventricular tachyarrhythmias] Grosu AA, et al. **Ter Arkh** 1985; 57(9):83–7 (Eng. Abstr.) (Rus)
[Diagnosis and therapy of atypical ventricular tachycardia. 7 case reports] Grubišić–Cabo S. **Lijec Vjesn** 1986 Feb–Mar;108(2–3):68–71 (Eng. Abstr.) (Scr)
[Cardiac autonomic neuropathy in the diabetic patient] Llamas Esperón G, et al. **Arch Inst Cardiol Mex** 1985 May–Jun;55(3):247–56 (Eng. Abstr.) (Spa)

DRUG THERAPY

Long term lorcainide therapy guided by electrophysiology studies. Somberg J, et al. **Acta Cardiol (Brux)** 1985; 40(6):621–36
Intravenous esmolol for the treatment of supraventricular tachyarrhythmia: results of a multicenter, baseline–controlled safety and efficacy study in 160 patients. The Esmolol Research Group. **Am Heart J** 1986 Sep;112(3):498–505
Meobentine sulfate: antiarrhythmic and electrophysiologic effects assessed by programmed electrical stimulation and ambulatory monitoring in patients with complex ventricular tachyarrhythmia. Report of a multicenter evaluation. Anderson JL, et al. **Am Heart J** 1985 Oct; 110(4):774–84
Torsade de pointes: successful acute control by lidocaine and chronic control by tocainide in two patients—one each with acquired long QT and the congenital long QT syndrome. Bansal AM, et al. **Am Heart J** 1986 Sep; 112(3):618–21
Propafenone therapy for ventricular tachycardia in the setting of congestive heart failure. Brodsky MA, et al. **Am Heart J** 1985 Oct;110(4):794–9
Ethmozine: electrophysiology, hemodynamics, and antiarrhythmic efficacy in patients with life–threatening ventricular arrhythmias. Dorian P, et al. **Am Heart J** 1986 Aug;112(2):327–33
The role of beta blocking agents as adjunct therapy to membrane stabilizing drugs in malignant ventricular arrhythmia. Hirsowitz G, et al. **Am Heart J** 1986 May; 111(5):852–60
Magnesium and potassium therapy in multifocal atrial tachycardia. Iseri LT, et al. **Am Heart J** 1985 Oct; 110(4):789–94
Discordance between ambulatory monitoring and programmed stimulation in assessing efficacy of mexiletine in patients with ventricular tachycardia. Kim SG, et al. **Am Heart J** 1986 Jul;112(1):14–9
Continuous lidocaine infusion in an ambulatory patient with recurrent ventricular tachycardia. Markel ML, et al. **Am Heart J** 1986 Jul;112(1):184–6
Verapamil in parasystolic ventricular tachycardia and other wide QRS rhythms. Massumi RA, et al. **Am Heart J** 1986 Feb;111(2):400–5
Antiarrhythmic efficacy of ethmozine in patients with ventricular tachycardia as determined by programmed electrical stimulation. Miura DS, et al. **Am Heart J** 1986 Apr;111(4):661–6
Transient exacerbation followed by control of ventricular tachycardia with amiodarone. Mostow ND, et al. **Am Heart J** 1986 Jan;111(1):178–80
Intolerance and ineffectiveness of mexiletine in patients with serious ventricular arrhythmias. Poole JE, et al. **Am Heart J** 1986 Aug;112(2):322–6
An unusual ventricular tachycardia responsive to verapamil. Strasberg B, et al. **Am Heart J** 1986 Jan;111(1):190–2
Treatment of resistant ventricular tachycardia with flecainide acetate. Flecainide Ventricular Tachycardia Study Group. **Am J Cardiol** 1986 Jun 1;57(15):1299–304
Need and design of a prospective study to assess the value of different strategic approaches for management of ventricular tachycardia or fibrillation. Brugada P, et al. **Am J Cardiol** 1986 May 1;57(13):1180–4
Verapamil in wide complex tachycardia [letter] Dancy M, et al. **Am J Cardiol** 1986 Apr 1;57(10):897–8
Effect of antiarrhythmic therapy on delayed potentials detected by the signal–averaged electrocardiogram in patients with ventricular tachycardia after acute myocardial infarction. Denniss AR, et al. **Am J Cardiol** 1986 Aug 1;58(3):261–5
Electrophysiologic evaluation of pirmenol for sustained ventricular tachycardia secondary to coronary artery disease. Easley AR, et al. **Am J Cardiol** 1986 Jul 1; 58(1):86–9
Effect of beta blockade on ventricular fibrillation– and ventricular tachycardia–induced circulatory arrest in acute

myocardial infarction. Johansson BW. **Am J Cardiol** 1986 Apr 25;57(12):34F–37F

Evaluation by serial electrophysiologic studies of an abbreviated oral loading regimen of amiodarone. Kennedy EE, et al. **Am J Cardiol** 1985 Nov 15;56(13):867–71

Electrophysiologic effects and clinical efficacy of mexiletine used alone or in combination with class IA agents for refractory recurrent ventricular tachycardias or ventricular fibrillation. Kim SG, et al. **Am J Cardiol** 1986 Sep 1; 58(6):485–90

Encainide for treatment of supraventricular tachycardias associated with the Wolff–Parkinson–White syndrome. Markel ML, et al. **Am J Cardiol** 1986 Aug 29; 58(5):41C–48C

Comparative efficacy and tolerance of esmolol to propranolol for control of supraventricular tachyarrhythmia. Morganroth J, et al. **Am J Cardiol** 1985 Oct 23; 56(11):33F–39F

Electropharmacologic testing in sustained ventricular tachycardia associated with coronary heart disease: value of the response to intravenous procainamide in predicting the response to oral procainamide and oral quinidine treatment. Oseran DS, et al. **Am J Cardiol** 1985 Nov 15; 56(13):883–6

Clinical electrophysiology, efficacy and safety of chronic oral cibenzoline therapy in refractory ventricular tachycardia. Rothbart ST, et al. **Am J Cardiol** 1986 Apr 15;57(11):941–6

Encainide for refractory supraventricular tachycardia in children. Strasburger JF, et al. **Am J Cardiol** 1986 Aug 29;58(5):49C–54C

Use of flecainide acetate for refractory junctional tachycardias in children with the Wolff–Parkinson–White syndrome. Ward DE, et al. **Am J Cardiol** 1986 Apr 1; 57(10):787–90

Electrophysiologic evaluation of the antiarrhythmic effects of N–acetylprocainamide for ventricular tachycardia secondary to coronary artery disease. Wynn J, et al. **Am J Cardiol** 1985 Nov 15;56(13):877–81

Treatment of multifocal atrial tachycardia with amiodarone in a child with congenital heart disease. Zeevi B, et al. **Am J Cardiol** 1986 Feb 1;57(4):344–5

Echocardiographic diagnosis and intravenous digoxin management of fetal tachyarrhythmias and congestive heart failure. Wiggins JW Jr, et al. **Am J Dis Child** 1986 Mar; 140(3):202–4

Verapamil in the treatment of ventricular tachycardia. Sternbach G, et al. **Am J Emerg Med** 1985 Nov;3(6):536–40

Transplacental treatment of tachycardia–induced fetal heart failure with verapamil and amiodarone: a case report. Rey E, et al. **Am J Obstet Gynecol** 1985 Oct 1;153(3):311–2

Efficacy and safety of oral tocainide in refractory ventricular arrhythmia: a preliminary report on an open label study. Mahapatra RK, et al. **Angiology** 1986 Apr;37(4):285–93

Flecainide in the treatment of nonsustained ventricular tachycardia. Lal R, et al. **Ann Intern Med** 1986 Oct; 105(4):493–8

Precipitation of cardiac arrest by verapamil in patients with Wolff–Parkinson–White syndrome. McGovern B, et al. **Ann Intern Med** 1986 Jun;104(6):791–4

Tachyphyiaxis to verapamil [letter] Aderka D, et al. **Arch Intern Med** 1986 Jan;146(1):207

Improved survival with amiodarone in patients with hypertrophic cardiomyopathy and ventricular tachycardia [letter] Crick JC. **Br Heart J** 1985 Nov;54(5):550–1

Intravenous adenosine in the treatment of supraventricular tachycardia: a dose–ranging study and interaction with dipyridamole. Watt AH, et al. **Br J Clin Pharmacol** 1986 Feb;21(2):227–30

Clinical experience with amiodarone for treatment of recurrent ventricular tachycardia and ventricular fibrillation. Heger JJ, et al. **Br J Clin Pract [Symp Suppl]** 1986 Apr;44:16–27

Recurrent ventricular tachycardia: adverse drug reactions. **Br Med J [Clin Res]** 1986 Jan 4;292(6512):50

High incidence of clinical and subclinical toxicity associated with amiodarone treatment of refractory tachyarrhythmias. Anastasiou–Nana MI, et al. **Can J Cardiol** 1986 May–Jun; 2(3):138–45

Selection of antiarrhythmic drugs based on electrophysiologic studies. Prystowsky EN. **Cardiovasc Clin** 1985;16(1):239–59

Solitary beta–blocker therapy for idiopathic life–threatening ventricular tachyarrhythmias. Brodsky MA, et al. **Chest** 1986 Jun;89(6):790–4

Verapamil in tachycardia therapy [letter] Schettini B, et al. **Chest** 1986 Apr;89(4):616

Short– and long–term therapy with tocainide for malignant ventricular tachyarrhythmias. Hohnloser SH, et al. **Circulation** 1986 Jan;73(1):143–9

Efficacy and safety of moricizine in patients with ventricular tachycardia: results of a placebo–controlled prospective long–term clinical trial. Pratt CM, et al. **Circulation** 1986 Apr;73(4):718–26

Amiodarone: an effective alternative for recalcitrant supraventricular and ventricular tachycardias. Best JF, et al. **Clin Cardiol** 1986 Jun;9(6):268–71

Significance and management of intractable supraventricular arrhythmias in critically ill patients. Edwards JD, et al. **Crit Care Med** 1986 Apr;14(4):280–2

Use of constant–infusion verapamil for the treatment of postoperative supraventricular tachycardia. Iberti TJ, et al. **Crit Care Med** 1986 Apr;14(4):283–4

Contribution of delayed ventricular repolarization to the anti–arrhythmic efficacy of sotalol. Brachmann J, et al. **Eur Heart J** 1985 Nov;6 Suppl D:171–4

Efficacy of intravenous ajmaline in ventricular tachycardia. Manoharan S, et al. **Indian Heart J** 1985 May–Jun; 37(3):189–92

Ventricular tachycardia during exercise treated by verapamil. Jordaens L, et al. **Int J Cardiol** 1986 Apr;11(1):9–15

Limited effect of magnesium sulphate on torsades de pointes ventricular tachycardia. Toivonen LK, et al. **Int J Cardiol** 1986 Aug;12(2):260–2

Effect of intravenous and oral flecainide on ventricular tachycardia. Ward DE, et al. **Int J Cardiol** 1986 Mar; 10(3):251–62

Coronary venous retroinfusion of procainamide: a new approach for the management of spontaneous and inducible sustained ventricular tachycardia during myocardial infarction. Karagueuzian HS, et al. **J Am Coll Cardiol** 1986 Mar;7(3):551–63

Effect of encainide and flecainide on chronic ectopic atrial tachycardia. Kunze KP, et al. **J Am Coll Cardiol** 1986 May; 7(5):1121–6

Utility of ambulatory electrocardiographic monitoring for predicting recurrence of sustained ventricular tachyarrhythmias in patients receiving amiodarone. Sokoloff NM, et al. **J Am Coll Cardiol** 1986 Apr;7(4):938–41

Intrauterine treatment of fetal tachycardia. Funk M, et al. **J Obstet Gynecol Neonatal Nurs** 1986 Jul–Aug; 15(4):298–305

Effects of antihistamines and local anesthetics on excess tachycardia in conscious dogs. Rigel DF, et al. **J Pharmacol Exp Ther** 1986 Jul;238(1):367–71

Fetal supraventricular tachycardia refractory to digoxin cardioversion. A case report. Repke JT, et al. **J Reprod Med** 1986 Mar;31(3):195–7

Adverse reactions to antiarrhythmic drugs during therapy for ventricular arrhythmias. Nygaard TW, et al. **JAMA** 1986 Jul 4;256(1):55–7

Testing the efficacy of antiarrhythmic drugs [editorial] Anderson JL, et al. **N Engl J Med** 1986 Aug 7;315(6):391–3

Is programmed stimulation of value in predicting the long–term success of antiarrhythmic therapy for ventricular tachycardias? Kim SG, et al. **N Engl J Med** 1986 Aug 7; 315(6):356–62

Multiform atrial tachycardia. Chen PH. **NJ Med** 1986 Feb; 83(2):105–7

Combination antiarrhythmic drug therapy for ventricular tachyarrhythmias. Greenspan AM, et al. **PACE** 1986 Jul; 9(4):565–76 (37 ref.)

Verapamil in idiopathic ventricular tachycardia of right bundle branch block morphology: observations during electrophysiologic and exercise testing. Sethi KK, et al. **PACE** 1986 Jan;9(1 Pt 1):8–16

Intrauterine conversion of fetal supraventricular tachycardia with combination of digoxin and verapamil. Truccone N, et al. **Pediatr Pharmacol (New York)** 1985;5(2):149–53

[Amiodarone in the treatment of severe supraventricular tachycardias] Lukl J, et al. **Vnitr Lek** 1986 Apr;32(4):386–92 (Eng. Abstr.) (Cze)

[Intravenous therapy with verapamil in patients receiving permanent treatment with oral beta–blockers] Ingerslev J, et al. **Ugeskr Laeger** 1985 Nov 4;147(45):3599–602 (Eng. Abstr.) (Dan)

[Anti–arrhythmia and electrophysiological effects of encainide in supraventricular tachycardias] Cassagneau B, et al. **Arch Mal Coeur** 1985 Oct;78 Spec No:113–9 (Eng. Abstr.) (Fre)

[Treatment of recurrent ventricular tachycardias using oral propafenone] Cointe R, et al. **Arch Mal Coeur** 1985 Oct; 78 Spec No:59–62 (Eng. Abstr.) (Fre)

[Anti–arrhythmia effect of long–term encainide in chronic ventricular extrasystole] Dumoulin P, et al. **Arch Mal Coeur** 1985 Oct;78 Spec No:105–9 (Eng. Abstr.) (Fre)

[Antiarrhythmic effects of intravenous magnesium sulfate in torsade de pointes. Apropos of 6 cases] Etienne Y, et al. **Arch Mal Coeur** 1986 Mar;79(3):362–7 (Eng. Abstr.) (Fre)

[Effects of oral and injectable flecainide in patients with an accessory atrioventricular pathway] Fauchier JP, et al. **Arch Mal Coeur** 1985 Oct;78 Spec No:81–90 (Eng. Abstr.) (Fre)

[Intravenous cibenzoline in the treatment of ventricular and supraventricular arrhythmias] Haiat R, et al. **Arch Mal Coeur** 1985 Oct;78 Spec No:95–7 (Eng. Abstr.) (Fre)

[Oral and intravenous bepridil in the treatment of recurrent sustained ventricular tachycardias. Electropharmacological study] Lévy S, et al. **Arch Mal Coeur** 1985 Oct;78 Spec No:63–6 (Eng. Abstr.) (Fre)

[Treatment of recurrent ventricular tachycardia with hydroquinidine. Evaluation of its efficacy with electrophysiological technics] Lévy S, et al. **Arch Mal Coeur** 1985 Sep;78(9):1346–52 (Eng. Abstr.) (Fre)

[Effects of prostacyclin (PGI2) on tachycardic heart arrhythmias following aortocoronary venous bypass operations] Heinrich D, et al. **Herz** 1985 Dec;10(6):357–65 (Eng. Abstr.) (Ger)

[Glycoside therapy—indications and dosage in childhood] Bock K. **Kinderarztl Prax** 1985 Aug;53(8):371–3 (Eng. Abstr.) (Ger)

[Amiodarone therapy—behavior of serum and fatty tissue concentrations] Goaska BD, et al. **Klin Wochenschr** 1986 Mar 3;64(5):219–26 (Eng. Abstr.) (Ger)

[Value of digitalis. An interview with Prof. Dr. Erland Erdmann, Munich] Erdmann E. **Med Monatsschr Pharm** 1986 Jan;9(2):47–8 (Ger)

[Clinico–electrophysiologic studies on the action of the anti–arrhythmic substance 3–carbethoxyamino–5–dimethylamino–acetyl–10,11–dihydro–5H– dibenz[b,f]azepine hydrochloride (Bonnecor, AWD 19–166, GS 015)] Rostock KJ, et al. **Pharmazie** 1985 Dec;40(12):862–4 (Eng. Abstr.) (Ger)

[Effect of amiodarone on stimulatory convertibility and degeneration into ventricular fibrillation of induced ventricular tachycardias in the pig] Hottinger S, et al. **Schweiz Med Wochenschr** 1985 Nov 9;115(45):1594–6 (Eng. Abstr.) (Ger)

[Prevention and therapy of tachy–arrhythmias] Burckhardt D. **Schweiz Rundsch Med Prax** 1985 Dec 3;74(49):1361–5 (Eng. Abstr.) (Ger)

[Treatment of brady– and tachycardia rhythm disorders] Klein W, et al. **Verh Dtsch Ges Inn Med** 1985;91:200–12 (Ger)

[Graded criteria to assess the effectiveness of anti–arrhythmia therapy in patients with ventricular tachyarrhythmia by serial electrophysiological testing] Borggrefe M, et al. **Z Kardiol** 1986 Feb;75(2):70–9 (Eng. Abstr.) (Ger)

[Electrophysiologic effect of sotalol in supraventricular tachycardias] Borggrefe M, et al. **Z Kardiol** 1985 Sep; 74(9):506–11 (Eng. Abstr.) (Ger)

[Electrophysiologic and hemodynamic effects of the new bradycardia–inducing substance AQ–A 39] Gülker H, et al. **Z Kardiol** 1986 Jan;75(1):47–51 (Eng. Abstr.) (Ger)

[Sotalol in supraventricular tachycardia. Electrophysiologic measurements in Wolff–Parkinson–White syndrome and AV node re–entry tachycardia] Manz M, et al. **Z Kardiol** 1985 Sep;74(9):500–5 (Eng. Abstr.) (Ger)

[Intravenous amiodarone in the therapy of supraventricular tachyarrhythmia] Sparvieri F, et al. **Minerva Cardioangiol** 1985 Oct;33(10):623–8 (Eng. Abstr.) (Ita)

[Effects of aprindine on the induction and termination of supraventricular tachycardia in patients with accessory pathway syndrome] Kubota K, et al. **Kokyu To Junkan** 1985 Jul;33(7):913–9 (Eng. Abstr.) (Jpn)

[Use of ATP to arrest supraventricular tachycardias] Smetnev AS, et al. **Kardiologiia** 1986 Feb;26(2):102 (Rus)

[Clinical electrophysiological evaluation of mexiletine] Molina L, et al. **Arch Inst Cardiol Mex** 1986 May–Jun; 56(3):219–23 (Eng. Abstr.) (Spa)

[Intravenous amiodarone in life–threatening ventricular arrhythmias] Ericson T, et al. **Lakartidningen** 1986 Aug 20;83(34):2753–4 (Swe)

ECONOMICS

The cost of tachyarrhythmia management. Hauser RG. **Arch Mal Coeur** 1985 Oct;78 Spec No:35–7

EMBRYOLOGY

Fetal supraventricular tachycardia: prenatal diagnosis and pharmacological reversal of associated hydrops fetalis. Abramowicz J, et al. **Gynecol Obstet Invest** 1985; 20(2):109–12

ETIOLOGY

Late surface potentials in myotonic dystrophy with ventricular tachycardia. Baciarello G, et al. **Am Heart J** 1986 Feb;111(2):413–4

Arrhythmogenic right ventricular dysplasia demonstrated by phase mapping of gated equilibrium radioventriculography. Bourguignon MH, et al. **Am Heart J** 1986 May; 111(5):997–1000

Prognostic value of programmed electrical stimulation in patients with a recent episode of unstable angina. Kron J, et al. **Am Heart J** 1986 Jul;112(1):1–8

Facilitation of lethal ventricular arrhythmias by therapeutic digoxin in conscious post infarction dogs. Lynch JJ, et al. **Am Heart J** 1986 May;111(5):883–90

Multiple reentry tachycardia in patients with ventricular preexcitation: report of three cases. Murabit I, et al. **Am Heart J** 1986 Jan;111(1):69–80

Ventricular tachycardia induction: comparison of triple extrastimuli with an abrupt change in ventricular drive cycle length. Rosenfeld LE, et al. **Am Heart J** 1986 May; 111(5):868–74

Determinants of prognosis in ventricular tachyarrhythmia patients without induced sustained arrhythmias. Swerdlow CD, et al. **Am Heart J** 1986 Mar;111(3):433–8

Unusual manifestations of heart involvement in Friedreich's ataxia. Zimmermann M, et al. **Am Heart J** 1986 Jan; 111(1):184–7

Ventricular dysrhythmias associated with congenital left ventricular aneurysms. Fellows CL, et al. **Am J Cardiol** 1986 Apr 15;57(11):997–9

Polymorphic ventricular tachycardia secondary to hypothyroidism. Pechter RA, et al. **Am J Cardiol** 1986 Apr 1;57(10):882–4

De novo refractory ventricular tachyarrhythmias after coronary revascularization. Topol EJ, et al. **Am J Cardiol** 1986 Jan 1;57(1):57–9

Ventricular tachycardia/fibrillation on the first day of medical school. Vlay SC. **Am J Cardiol** 1986 Feb 15; 57(6):483

Torsade de pointes—malignant arrhythmia. Lynch L. **Am J Nurs** 1986 Jul;86(7):826–7

Tachycardia in anaphylactic reactions [letter] Holst PE. **Anaesth Intensive Care** 1986 Aug;14(3):327

Polymorphous ventricular tachycardia during coronary artery bypass surgery. Weiskopf M, et al. **Anesthesiology** 1986 Mar;64(3):392–4

Pacemaker–mediated tachycardia: tracking of atrial fibrillation during DDD pacing. McCabe JB. **Ann Emerg Med** 1986 Jan;15(1):83–5

Retrograde atrial conduction and reciprocal beating. Johnson CD. **Bol Asoc Med PR** 1986 Mar;78(3):109–13

Right ventricular abnormalities in ventricular tachycardia of right ventricular origin: relation to electrophysiological abnormalities. Foale RA, et al. **Br Heart J** 1986 Jul; 56(1):45–54

Haemodynamic disturbances during anaesthesia in a patient receiving calcium channel blockers. Gorven AM, et al. **Br J Anaesth** 1986 Mar;58(3):357–60

Torsades de pointes and sudden death in a patient with a permanent pacemaker. Lew WY, et al. **Can J Cardiol** 1986 Mar–Apr;2(2):86–7

Torsades de Pointes immediately following right coronary arteriography. Goldfinger TM, et al. **Cathet Cardiovasc Diagn** 1986;12(2):107–9

Supraventricular tachycardia in patients with cystic fibrosis. Sullivan MM, et al. **Chest** 1986 Aug;90(2):239–42

Induction of ventricular tachycardia during programmed electrical stimulation: analysis of pacing methods. Prystowsky EN, et al. **Circulation** 1986 Feb;73(2 Pt 2):II32–8

Digital subtraction angiography in the diagnosis of arrhythmogenic right ventricular dysplasia. Pollock DM, et al. **Cleve Clin Q** 1985 Winter;52(4):569–71

Acute toxicity of Microcystis aeruginosa and its cardiovascular effects. Oishi S, et al. **Environ Res** 1986 Aug; 40(2):518–24

Ventricular late potentials and inducible ventricular tachyarrhythmias as a marker for ventricular tachycardia after myocardial infarction. Breithardt G, et al. **Eur Heart J** 1986 May;7 Suppl A:127–34

Ventricular tachycardia in post–myocardial infarction patients. Preoperative and intraoperative mapping. Salerno JA, et al. **Eur Heart J** 1986 May;7 Suppl A:157–63

Alterations in norepinephrine content and beta adrenoceptor regulation in myocardium bordering aneurysm in human heart: their possible role in the genesis of ventricular tachycardia. Bevilacqua M, et al. **Eur J Clin Invest** 1986 Apr;16(2):163–8

Wide–complex tachycardia in a jogger. Hancock EW. **Hosp Pract [Off]** 1986 Jul 15;21(7):61, 64–5

QT prolongation and torsades de pointes: the sole manifestation of coronary artery disease. Fung AY, et al. **Int J Cardiol** 1985 Jan;7(1):63–6

Junctional tachycardia with atrioventricular dissociation induced by hyperventilation. Luzza F, et al. **Int J Cardiol** 1986 Jan;10(1):73–5

Ectopic atrial tachycardia after transvenous catheter ablation of a posteroseptal accessory pathway. Borggrefe M, et al. **J Am Coll Cardiol** 1986 Aug;8(2):441–5

Inducible sustained ventricular tachycardia and ventricular fibrillation in conscious dogs with isolated right ventricular infarction: relation to infarct structure. Karagueuzian HS, et al. **J Am Coll Cardiol** 1986 Apr;7(4):850–8

Atrioventricular junctional tachycardia during heart block. Urthaler F, et al. **J Am Coll Cardiol** 1986 Sep;8(3):657–60

Unexplained tachycardia in an elderly patient. Brennan M, et al. **J Tenn Med Assoc** 1986 Mar;79(3):158–9

Extended subendocardial resection. A surgical approach to ventricular tachyarrhythmias that cannot be mapped intraoperatively. Kron IL, et al. **J Thorac Cardiovasc Surg** 1985 Oct;90(4):586–91

Circus movement tachycardia induced by a single premature stimulus on the ventricular sheet—evaluation of the leading circle hypothesis in the canine ventricular muscle. Kamiyama A, et al. **Jpn Circ J** 1986 Jan;50(1):65–73

Late sustained ventricular tachycardia after complete repair of tetralogy of Fallot—a case report. Oda H, et al. **Jpn Circ J** 1986 Mar;50(3):283–7

Induction and termination of ventricular tachycardia by programmed electrical stimulation in a 7–day–old canine myocardial infarction. Ogawa S, et al. **Jpn Circ J** 1986 Jan;50(1):74–83

Endocardial mapping of ventricular tachycardia in one–day–old myocardial infarction. Ohta T, et al. **Jpn Circ J** 1986 Jan;50(1):84–90

Electrophysiological and pharmacological studies on the mechanisms of ventricular tachycardia. Satake S, et al. **Jpn Circ J** 1986 Jan;50(1):119–26

Handling–induced enhancement of alcohol's acute physiological effects. Peris J, et al. **Life Sci** 1986 Jan 20; 38(3):273–9

ECG changes during cerebral angiography. An analysis of 334 patients—942 cerebral angiographies. Hayakawa K, et al. **Neuroradiology** 1984;26(5):369–73

Propensity to develop ventricular tachyarrhythmias: differences in homogeneous versus heterogeneous myocardial infarcts. Wetstein L, et al. **P R Health Sci J** 1985 Jun;4(2):79–89

Paradoxical induction of endless loop tachycardia by magnet application over a DDD pacemaker. Barold SS, et al. **PACE** 1986 Jul;9(4):503–10

Noninvasive assessment of ventriculo–atrial conduction and early experience with the tachycardia termination algorithm in pacemaker–mediated tachycardia. Fontaine JM, et al. **PACE** 1986 Mar;9(2):212–22

Spontaneous endless loop tachycardia. Oseran D, et al. **PACE** 1986 May;9(3):379–86

Inhibition of a physiologic pacing system due to its anti–pacemaker–mediated tachycardia mode. Satler LF, et al. **PACE** 1985 Nov;8(6):806–10

Polymorphous ventricular tachycardia and atrioventricular block. Strasberg B, et al. **PACE** 1986 Jul;9(4):522–6

Septal origin of sustained ventricular tachycardia in a patient with right ventricular outflow tract obstruction after correction of tetralogy of Fallot. Swerdlow CD, et al. **PACE** 1986 Jul;9(4):584–8

Postexercise ventricular tachycardia in children [letter] Feigl A, et al. **Pediatr Cardiol** 1986;6(4):231

The magnesium mavens. Much ado about something. Podell RN. **Postgrad Med** 1985 Oct;78(5):219–23, 226

Cardiac arrhythmia and myocardial ischaemia related to cocaine and alcohol consumption. Boag F, et al. **Postgrad Med J** 1985 Nov;61(721):997–9

Short PR intervals and tachyarrhythmias in Fabry's disease. Efthimiou J, et al. **Postgrad Med J** 1986 Apr;62(726):285–7

Supraventricular arrhythmias and the relation to thyroid dysfunction in a group of Syrian patients. Hadidy S, et al. **Trop Geogr Med** 1986 Jun;38(2):158–61

[Ventricular tachycardia in a 6–year–old boy with a heart fibroma] Nečasová A, et al. **Cesk Pediatr** 1985 Oct; 40(10):588–90 (Eng. Abstr.) (Cze)

[Supraventricular tachycardia in the infant. The need for routine echocardiography] Colin A, et al. **Ann Pediatr (Paris)** 1986 Apr;33(4):333–5 (Eng. Abstr.) (Fre)

[Arrhythmogenic dysplasia. Nosologic relation with Uhl's syndrome and lipomatosis. Apropos of 3 anatomo–clinical cases] Chomette G, et al. **Arch Anat Cytol Pathol** 1986; 34(1):46–50 (Eng. Abstr.) (Fre)

[Supraventricular tachycardia induced by effort and by catecholamines] Lévy S, et al. **Arch Mal Coeur** 1985 Sep; 78(9):1431–6 (Eng. Abstr.) (Fre)

[Recurrent post–infarction ventricular tachycardias. Treatment combining circular ventriculotomy, myocardial revascularization and aneurysmal plication] Pavie A, et al. **Arch Mal Coeur** 1985 Oct;78(10):1529–34 (Eng. Abstr.) (Fre)

[Reevaluation of pacemaker–induced reentry tachycardias: incidence, mechanisms and therapy] Schütz E, et al. **Schweiz Med Wochenschr** 1985 Nov 9;115(45):1598–600 (Eng. Abstr.) (Ger)

[Orthostatic induced ventricular tachycardia in a patient with Romano–Ward syndrome] Koren G, et al. **Harefuah** 1985 Nov;109(9):230–2 (Eng. Abstr.) (Heb)

[Positional atrial tachycardia in mitral valve prolapse] Landau E, et al. **Harefuah** 1986 Apr 15;110(8):399–400 (Eng. Abstr.) (Heb)

[Course and prognosis of ventricular tachycardia associated with cardiopathy] Di Marcotullio G, et al. **Cardiologia** 1982;27(5):491–2 (Ita)

[Clinical, electrophysiological and histological findings in a case of sustained idiopathic ventricular tachycardia] Montenero AS, et al. **Cardiologia** 1982 Dec;27(12):1155–61 (Eng. Abstr.) (Ita)

[Supraventricular tachyarrhythmia of a variable degree of atrial synchronization caused by drinking cold water] Scardi S, et al. **G Ital Cardiol** 1985 Apr;15(4):454–5 (Eng. Abstr.) (Ita)

[Ventricular tachycardia] Adinolfi L, et al. **Minerva Med** 1985 Nov 17;76(44):2101–9 (Eng. Abstr.) (Ita)

[Three cases of primary aldosteronism including one case with postoperative ventricular tachycardia] Ejiri S, et al. **Hinyokika Kiyo** 1986 Jan;32(1):67–76 (Eng. Abstr.) (Jpn)

[A case report of torsades de pointes developed at one year after the diagnosis of atrio–ventricular block] Hirokawa Y, et al. **Kokyu To Junkan** 1985 Nov;33(11):1375–9 (Eng. Abstr.) (Jpn)

[A case report of torsades de pointes occurring after prompt correction of severe chronic anemia] Oda E, et al. **Kokyu To Junkan** 1985 Nov;33(11):1395–400 (Eng. Abstr.) (Jpn)

[Surgical treatment of arrhythmogenic right ventricular dysplasia with multiple refractory ventricular tachycardias] Isobe F, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Feb;34(2):245–50 (Eng. Abstr.) (Jpn)

[Arrhythmia in the elderly] Hashiba K, et al. **Nippon Ronen Igakkai Zasshi** 1986 Mar;23(2):143–5 (Jpn)

[Recurrent tachycardia in Wolff–Parkinson–White syndrome. II. Proof of conduction by an additional path during circular motion] Musial WJ. **Kardiol Pol** 1985;28(5):269–78 (Eng. Abstr.) (Pol)

[Ventricular tachycardia mediated by a sequential AV pacemaker and caused by ventricular depolarization. Report of a case] Soldá R, et al. **Arq Bras Cardiol** 1985 Aug;45(2):109–10 (Eng. Abstr.) (Por)

[QT interval and ventricular tachycardia in acute myocardial infarction] Solimene MC, et al. **Arq Bras Cardiol** 1985 Aug; 45(2):83–6 (Eng. Abstr.) (Por)

HISTORY

Ventricular tachycardia: historical perspective. McGovern B, et al. **PACE** 1986 May;9(3):449–62

METABOLISM

Reduced acetylation of procainamide by para–aminobenzoic acid. Nylen ES, et al. **J Am Coll Cardiol** 1986 Jan;7(1):185–7

OCCURRENCE

Prevalence of ventricular tachycardia in patients with different underlying heart diseases: a study by Holter ECG monitoring. Suyama A, et al. **Am Heart J** 1986 Jul; 112(1):44–51

PATHOLOGY

Histopathologic correlates of inducible ventricular tachycardia in two experimental canine models of myocardial infarction. Wetstein L, et al. **Am J Med Sci** 1986 Apr;291(4):222–31

Arrhythmogenic right ventricular dysplasia. Clinical, electrophysiological, and pathological features. Grigg LE, et al. **Aust NZ J Med** 1985 Oct;15(5):634–40

PHYSIOPATHOLOGY

Ventricular tachycardia with QRS of variable amplitude: an implication of atrioventricular dissociation. Curione M, et al. **Am Heart J** 1986 Jun;111(6):1197–200

Marked intra–atrial conduction delay with split atrial electrograms: substrate for reentrant supraventricular tachycardia. Fisher JD, et al. **Am Heart J** 1986 Apr; 111(4):781–4

The clinical electrophysiology of intravenous indecainide. Horowitz LN, et al. **Am Heart J** 1985 Oct;110(4):784–8

Epicardial activation patterns of torsade de pointes in canine hearts with quinidine–induced long QT interval but without myocardial infarction. Inoue H, et al. **Am Heart J** 1986 Jun;111(6):1080–7

The efficacy of lidocaine and verapamil alone and in combination on spontaneously occurring automatic ventricular tachycardia in conscious dogs one day after right coronary artery occlusion. Karagueuzian HS, et al. **Am Heart J** 1986 Mar;111(3):438–46

Junctional ectopic tachycardia in a young woman with chronic complete heart block. Laurent M, et al. **Am Heart J** 1986 Mar;111(3):597–9

Influence of left ventricular function on signal averaged late potentials in patients with coronary artery disease with and without ventricular tachycardia. Pollak SJ, et al. **Am Heart J** 1985 Oct;110(4):747–52

Hemodynamic effects of moricizine at rest and during supine bicycle exercise: results in patients with ventricular tachycardia and left ventricular dysfunction. Seals AA, et al. **Am Heart J** 1986 Jul;112(1):36–43

Collateral circulation to two different coronary vascular beds by a right superior septal perforator coronary artery in a patient with ventricular tachycardia. Vlay SC. **Am Heart J** 1985 Oct;110(4):893–4

Intrinsic electrophysiologic properties of reentrant supraventricular tachycardia involving bypass tracts. Alboni P, et al. **Am J Cardiol** 1986 Aug 1;58(3):266–72

Paroxysmal ventricular tachycardia with syncope during pregnancy. Brodsky MA, et al. **Am J Cardiol** 1986 Sep 1;58(6):563–4

Effects of isoproterenol and amiodarone and the role of exercise in initiation of circus movement tachycardia in the accessory atrioventricular pathway. Brugada P, et al. **Am J Cardiol** 1986 Jan 1;57(1):146–9

Immediate reproducibility of clinical and nonclinical forms of induced ventricular tachycardia. de Buitleir M, et al. **Am J Cardiol** 1986 Aug 1;58(3):279–82

Reproducibility of measurements of ventricular activation time using the signal–averaged Frank vectorcardiogram. Denniss AR, et al. **Am J Cardiol** 1986 Jan 1;57(1):156–60

Influence of drive cycle length during programmed stimulation on induction of ventricular arrhythmias: analysis of 403 patients. Estes NA 3d, et al. **Am J Cardiol** 1986 Jan 1;57(1):108–12

Effect of increased current, multiple pacing sites and number of extrastimuli on induction of ventricular tachycardia. Herre JM, et al. **Am J Cardiol** 1986 Jan 1;57(1):102–7

Spontaneous termination of reciprocating tachycardia owing to interaction of dual atrioventricular nodal pathways in patients with an accessory pathway. Kuck KH, et al. **Am J Cardiol** 1985 Nov 15;56(13):872–6

Daily reproducibility of electrophysiologic test results in malignant ventricular arrhythmia. Lombardi F, et al. **Am J Cardiol** 1986 Jan 1;57(1):96–101

Serial electrophysiologic testing after acute myocardial infarction [letter] Luck JC, et al. **Am J Cardiol** 1985 Oct 1;56(10):704

Sustained ventricular tachycardia in chronic chagasic myocarditis: electrophysiologic and pharmacologic characteristics. Mendoza I, et al. **Am J Cardiol** 1986 Feb 15;57(6):423–7

Comparison of coupling intervals that induce clinical and nonclinical forms of ventricular tachycardia during programmed stimulation. Morady F, et al. **Am J Cardiol** 1986 Jun 1;57(15):1269–73

Variability of ventricular arrhythmias in hypertrophic cardiomyopathy and implications for treatment. Mulrow

JP, et al. **Am J Cardiol** 1986 Sep 15;58(7):615–8

Induction and termination of ventricular tachycardia by changing body posture. Obe T, et al. **Am J Cardiol** 1985 Nov 1;56(12):800–2

The other side of continuous electrical activity [letter] Scherlag BJ. **Am J Cardiol** 1986 Feb 15;57(6):501–2

Electrophysiologic characteristics of ventricular tachycardia or fibrillation in relation to age of myocardial infarction. Stevenson WG, et al. **Am J Cardiol** 1986 Feb 15; 57(6):387–91

Prospective comparison of Holter monitoring and electrophysiologic study in patients with coronary artery disease and sustained ventricular tachyarrhythmias. Swerdlow CD, et al. **Am J Cardiol** 1985 Oct 1; 56(10):577–80

Abnormalities of endocardial activation pattern in patients with previous healed myocardial infarction and ventricular tachycardia. Vassallo JA, et al. **Am J Cardiol** 1986 Sep 1;58(6):479–84

Myocardial flow during tachycardia in dogs with chronic left ventricular hypertrophy. Rembert JC, et al. **Am J Physiol** 1986 Jun;250(6 Pt 2):H968–73

Wide complex tachycardia [letter] Badgett R. **Ann Intern Med** 1986 Oct;105(4):623

Electrophysiologic studies in patients with ventricular tachycardia. Freedman RA, et al. **Annu Rev Med** 1986; 37:1–12 (46 ref.)

Mapping of ventricular tachycardia induced by thoracic neural stimulation in dogs. Cardinal R, et al. **Can J Physiol Pharmacol** 1986 Apr;64(4):411–8

Clinical application of new concepts of parasystole, reflection, and tachycardia. Antzelevitch C. **Cardiol Clin** 1983 Feb;1(1):39–50 (46 ref.)

Clinical electrophysiology of ventricular tachycardia. Prystowsky EN, et al. **Cardiol Clin** 1983 May;1(2):253–73

Clinical electrophysiology of supraventricular tachycardia. Sung RJ, et al. **Cardiol Clin** 1983 May;1(2):225–51

Interactions between the autonomic nervous system and tachycardias in man. Waxman MB, et al. **Cardiol Clin** 1983 May;1(2):143–85

Mechanism of lethal arrhythmias: results of programmed electrical stimulation. Buxton AE, et al. **Cardiovasc Clin** 1985;15(3):155–61

Inhomogeneity of ventricular refractory period in canine heart with quinidine-induced long QT interval: a comparative study on effects of heart rate, isoprenaline, and lignocaine. Inoue H, et al. **Cardiovasc Res** 1985 Oct; 19(10):623–30

Ventricular tachycardia in a young population without overt heart disease. Deal BJ, et al. **Circulation** 1986 Jun; 73(6):1111–8

Adenosine-sensitive ventricular tachycardia: evidence suggesting cyclic AMP-mediated triggered activity. Lerman BB, et al. **Circulation** 1986 Aug;74(2):270–80

Improved selection of patients for programmed ventricular stimulation by frequency analysis of signal-averaged electrocardiograms. Lindsay BD, et al. **Circulation** 1986 Apr;73(4):675–83

The preexcitation index: an aid in determining the mechanism of supraventricular tachycardia and localizing accessory pathways. Miles WM, et al. **Circulation** 1986 Sep; 74(3):493–500

Intermittent failure of local conduction during ventricular tachycardia. Miller JM, et al. **Circulation** 1985 Dec; 72(6):1286–92

Regional blood flow correlates of ST segment depression in tachycardia-induced myocardial ischemia. Mirvis DM, et al. **Circulation** 1986 Feb;73(2):365–73

Polymorphous ventricular tachycardia: clinical characterization, therapy, and the QT interval. Nguyen PT, et al. **Circulation** 1986 Aug;74(2):340–9

Further observations on transient entrainment: importance of pacing site and properties of the components of the reentry circuit. Okumura K, et al. **Circulation** 1985 Dec; 72(6):1293–307

Abnormal signal-averaged electrocardiograms in patients with nonischemic congestive cardiomyopathy: relationship to sustained ventricular tachyarrhythmias. Poll DS, et al. **Circulation** 1985 Dec;72(6):1308–13

Clinical and electrophysiologic characterization of automatic junctional tachycardia in adults. Ruder MA, et al. **Circulation** 1986 May;73(5):930–7

Comparison of bipolar and unipolar programmed electrical stimulation for the initiation of ventricular arrhythmias: significance of anodal excitation during bipolar stimulation. Stevenson WG, et al. **Circulation** 1986 Apr;73(4):693–700

Pathophysiological mechanisms and clinical significance of ventricular late potentials. Breithardt G, et al. **Eur Heart J** 1986 May;7(5):364–85 (101 ref.)

Possible mechanisms of the arrhythmias in the long QT syndrome. Coumel P, et al. **Eur Heart J** 1985 Nov;6 Suppl D:115–29

Methods for non-invasive detection of ventricular late potentials—a comparative multicenter study. Oeff M, et al. **Eur Heart J** 1986 Jan;7(1):25–33

Prognostic significance of repetitive ventricular response in chronic coronary artery disease. Treese N, et al. **Eur Heart J** 1985 Jul;6(7):594–601

Syncope, tachycardia, and exertional dyspnea. Dorian P. **Hosp Pract [Off]** 1985 May 15;20(5):87, 90–1

Right ventricular outflow tract tachycardias in patients without apparent structural heart disease. Holt PM, et al. **Int J Cardiol** 1986 Feb;10(2):99–110

Description of a novel microcomputer program to analyze left ventricular segmental wall motion during normal sinus rhythm and sinus tachycardia. Bowyer AF, et al. **ISA Trans** 1986;25(2):25–35

Analysis of the resetting phenomenon in sustained uniform ventricular tachycardia: incidence and relation to termination. Almendral JM, et al. **J Am Coll Cardiol** 1986 Aug;8(2):294–300

Programmed electrical stimulation—before when, how? [editorial] Batsford W. **J Am Coll Cardiol** 1986 Sep; 8(3):582–3

Entrainment of circus movement tachycardia utilizing an accessory pathway with long retrograde conduction times during ventricular and atrial stimulation. Castellanos A, et al. **J Am Coll Cardiol** 1985 Dec;6(6):1431–7

Tachyarrhythmias in young athletes. Coelho A, et al. **J Am Coll Cardiol** 1986 Jan;7(1):237–43

Programmed electrical stimulation studies for ventricular tachycardia induction in humans. II. Comparison of indwelling electrode catheter and daily catheter replacement. Duff HJ, et al. **J Am Coll Cardiol** 1986 Sep; 8(3):576–81

Tachycardia and cardiomyopathy: the chicken-egg dilemma revisited. Gallagher JJ. **J Am Coll Cardiol** 1985 Nov; 6(5):1172–3

Selective atrial sensing in dual chamber pacemakers eliminates endless loop tachycardia. Klementowicz PT, et al. **J Am Coll Cardiol** 1986 Mar;7(3):590–4

Reproducibility of arrhythmia induction with intracardiac electrophysiologic testing: patients with clinical sustained ventricular tachyarrhythmias. Kudenchuk PJ, et al. **J Am Coll Cardiol** 1986 Apr;7(4):819–28

Programmed electrical stimulation studies for ventricular tachycardia induction in humans. I. The role of ventricular functional refractoriness in tachycardia induction. Mitchell LB, et al. **J Am Coll Cardiol** 1986 Sep;8(3):567–75

Acute and chronic effects of amiodarone on ventricular refractoriness, intraventricular conduction and ventricular tachycardia induction. Morady F, et al. **J Am Coll Cardiol** 1986 Jan;7(1):148–57

Atrioventricular nodal or atriojunctional reentrant tachycardia? [editorial] Scheinman MM. **J Am Coll Cardiol** 1985 Dec;6(6):1393–4

Determinants of the spontaneous ectopic activity in repetitive monomorphic idiopathic ventricular tachycardia. Zimmermann M, et al. **J Am Coll Cardiol** 1986 Jun; 7(6):1219–27

Age-related reduction of baroreflex tachycardia without loss of beta-adrenoceptor-mediated tachycardia in Sprague-Dawley rats. Docherty JR, et al. **J Cardiovasc Pharmacol** 1986 Mar-Apr;8(2):376–80

Compensating conduction times as a mechanism for alternation during reciprocating tachycardia. Schamroth L, et al. **J Electrocardiol** 1986 Jul;19(3):291–4

Home, safe! Supraventricular tachycardia. Martinez-Lopez JI. **J La State Med Soc** 1985 Sep;137(9):11–3

Idiopathic sustained ventricular tachycardia responsive to verapamil: clinical electrocardiographic and electrophysiologic considerations. Kasanuki H, et al. **Jpn Circ J** 1986 Jan;50(1):109–18

A study on entrainment in various forms of tachycardias. Nozaki A, et al. **Jpn Circ J** 1986 Jan;50(1):91–8

Ventriculo-atrial conduction in patients with normal and impaired atrio-ventricular conduction. Inoue T, et al. **Jpn Heart J** 1985 Sep;26(5):707–14

Left cerebral hemisphere contributions to tachycardia: evidence and recommendations. Drake RA. **Med Hypotheses** 1986 Mar;19(3):261–6

"Escape sinus tachycardia" [letter] Plehn JF. **N Engl J Med** 1985 Nov 14;313(20):1295–6

Critical appraisal of programmed electrical stimulation for evaluating hearts prone to ventricular tachyarrhythmias. Moore EN, et al. **P R Health Sci J** 1985 Jun;4(2):91–4

Use of signal averaging to identify low level late potentials in hearts prone to developing tachyarrhythmias. Spear JF, et al. **P R Health Sci J** 1985 Jun;4(2):95–9

The importance of the electrophysiologic substrates in the development of ventricular tachyarrhythmias. Spear JF, et al. **P R Health Sci J** 1985 Jun;4(2):73–8

Wide QRS tachycardia due to AV nodal reentry and a "bystander" bypass tract with slow conduction properties. Deng Z, et al. **PACE** 1986 Mar;9(2):188–95

"Incessant" atrioventricular (AV) reciprocating tachycardia utilizing left lateral AV bypass pathway with a long retrograde conduction time. Okumura K, et al. **PACE** 1986 May;9(3):332–42

Tachycardia mediated by an AV universal (DDD) pacemaker triggered by a ventricular depolarization. Pimenta J, et al. **PACE** 1986 Jan;9(1 Pt 1):105–7

Atrial pacing via unilateral persistent left superior vena cava. Robbens EJ, et al. **PACE** 1986 Jul;9(4):594–6

Attempted entrainment of circus movement tachycardias by ventricular stimulation. Saoudi NC, et al. **PACE** 1986 Jan; 9(1 Pt 1):78–90

Electrophysiologic effects of amiodarone in tachyarrhythmias. Liu PH, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Jul;84(7):759–75

[Significance of late ventricular potentials observed in patients with ventricular tachycardia] Jiang WP, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Jan;25(1):21–4, 63 (Eng. Abstr.) (Chi)

[A case of severe catecholaminergic bitachycardia] Bellorini M, et al. **Ann Cardiol Angeiol (Paris)** 1986 Mar;35(3):159–62 (Eng. Abstr.) (Fre)

[Torsade de pointes syndromes. Variations and limits] Coumel P, et al. **Ann Cardiol Angeiol (Paris)** 1986 Apr; 35(4):205–14 (Eng. Abstr.) (Fre)

[Stimulation technics in the evaluation of the antiarrhythmic effect of a drug at the ventricular level] Levy S. **Therapie** 1986 Mar-Apr;41(2):103–6 (Eng. Abstr.) (Fre)

[Unusual rhythm disorders with a DDD pacemaker] Konz KH, et al. **Z Kardiol** 1985 Sep;74(9):552–4 (Eng. Abstr.) (Ger)

[Ventricular hyperkinetic arrhythmias and circulatory arrest in idiopathic isolated complete atrioventricular block. Description of a clinical case] Guarnerio M, et al. **G Ital Cardiol** 1985 Nov;15(11):1101–5 (Eng. Abstr.) (Ita)

[Idiopathic ventricular tachycardia] Frabetti L, et al. **Minerva Cardioangiol** 1985 Dec;33(12):807–14 (Eng. Abstr.) (Ita)

[Electrophysiological studies of ventricular tachycardia and isopotential mapping] Hayashi H, et al. **Nippon Rinsho** 1985 Nov;43(11):2370–5 (Jpn)

[Intra-ventricular electrophysiological studies of recurrent ventricular tachycardia and artificial pacing] Nagao H, et al. **Nippon Rinsho** 1985 Nov;43(11):2382–6 (Jpn)

[Torsades de pointes and bydirectional tachycardia] Nakamura Y, et al. **Nippon Rinsho** 1985 Nov;43(11):2387–92 (Jpn)

[Re-entry ventricular tachycardia: new mechanism of ventricular tachycardia. A case report] Pimenta J, et al. **Arq Bras Cardiol** 1985 Sep;45(3):193–5 (Eng. Abstr.) (Por)

[Hemodynamics and myocardial blood flow based on radionuclide research data before and after using various surgical treatment methods in ventricular tachycardia in an experiment] Makhmudov SIa, et al. **Patol Fiziol Eksp Ter** 1986 Mar-Apr;(2):14–7 (Eng. Abstr.) (Rus)

[Electrophysiologic diagnosis of concealed accessory pathways of septal localization in patients with supraventricular tachycardia] Esteve JJ, et al. **Rev Esp Cardiol** 1986 Jan-Feb;39(1):31–41 (Eng. Abstr.) (Spa)

PREVENTION & CONTROL

Electrophysiologic and clinical factors influencing response to class IA antiarrhythmic agents in patients with inducible sustained monomorphic ventricular tachycardia. Gold RL, et al. **Am Heart J** 1986 Jul;112(1):9–13

Prevention of ventricular tachycardia induction by introduction of a second extrastimulus. Miller SM, et al. **Am J Cardiol** 1986 Apr 1;57(10):881–2

Prevention and treatment of supraventricular tachycardia shortly after coronary artery bypass grafting: a randomized open trial. Janssen J, et al. **Angiology** 1986 Aug;37(8):601–9

The selection of antiarrhythmic regimens by electrophysiologic studies: techniques and results. Horowitz LN, et al. **Cardiovasc Clin** 1985;15(3):187–97 (52 ref.)

Pharmacologic therapy for survivors of sudden death based on programmed stimulation. Roy D, et al. **Cardiovasc Clin** 1985;15(3):179–85 (26 ref.)

Oral verapamil fails to prevent supraventricular tachycardia following coronary artery surgery. Smith EE, et al. **Int J Cardiol** 1985 Sep;9(1):37–44

Oral verapamil for prophylaxis of supraventricular tachycardia after myocardial revascularization. A randomized trial. Williams DB, et al. **J Thorac Cardiovasc Surg** 1985 Oct;90(4):592–6

[Efficacy of pharmacological prevention after the first attack of ventricular tachycardia] Citone C, et al. **Cardiologia** 1982;27(4):399–400 (Ita)

RADIONUCLIDE IMAGING

Arrhythmogenic right ventricular dysplasia: detection by radionuclide ventriculography. Purves PD, et al. **Can J Cardiol** 1985 Jan;1(1):30–2

SURGERY

Laser ablation of normal and diseased human ventricle. Saksena S, et al. **Am Heart J** 1986 Jul;112(1):52–60

Subvalvular mitral calcium as a cause of surgically correctable ventricular tachycardia. Kelly RP, et al. **Am J Cardiol** 1986 Apr 1;57(10):884–6

Indications for different modes of surgical therapy in medically refractory ventricular arrhythmias. Hammon JW Jr, et al. **Ann Surg** 1986 Jun;203(6):679–84

Resection of scarred papillary muscles improves outcome after surgery for ventricular tachycardia. Kron IL, et al. **Ann Surg** 1986 Jun;203(6):685–90

Electrophysiologic effects of surgical isolation of the right ventricle. Damiano RJ Jr, et al. **Ann Thorac Surg** 1986 Jul; 42(1):65–9

Surgical management of sustained ventricular arrhythmias presenting within eight weeks of acute myocardial infarction. Kron IL, et al. **Ann Thorac Surg** 1986 Jul; 42(1):13–6

Ablation therapy for patients with supraventricular tachycardia. Scheinman MM. **Annu Rev Med** 1986; 37:225–33

Mechanisms and surgical management of ventricular tachyarrhythmias. Harken AH, et al. **Cardiovasc Clin** 1985; 15(3):287–300

Surgical ablation of ventricular tachycardia: improved results with a map-directed regional approach. Krafchek J, et al. **Circulation** 1986 Jun;73(6):1239–47

Catheter ablation of the atrioventricular conduction system to treat patients with atrial tachyarrhythmias, including patients with pacemakers. Drummer E, et al. **Cleve Clin Q** 1986 Summer;53(2):151–7

Ventricular tachycardia in post-myocardial infarction patients. Results of surgical therapy. Viganò M, et al. **Eur Heart J** 1986 May;7 Suppl A:165–8

Transcatheter electrical shock ablation of ventricular tachycardia. Belhassen B, et al. **J Am Coll Cardiol** 1986 Jun;7(6):1347–55

Electrical catheter ablation in the left and right ventricular wall in dogs: relation between delivered energy and histopathologic changes. Hauer RN, et al. **J Am Coll Cardiol** 1986 Sep;8(3):637–43

Pattern of endocardial activation during sustained ventricular tachycardia. Miller JM, et al. **J Am Coll Cardiol** 1985 Dec; 6(6):1280–7

Closed chest catheter ablation of an accessory pathway in a patient with permanent junctional reciprocating tachycardia [letter] Monda V, et al. **J Am Coll Cardiol** 1986 Sep;8(3):740

Curative surgery for atrioventricular junctional ("AV nodal") reentrant tachycardia. Ross DL, et al. **J Am Coll Cardiol** 1985 Dec;6(6):1383–92

Bundle branch reentrant tachycardia treated by electrical ablation of the right bundle branch. Touboul P, et al. **J Am Coll Cardiol** 1986 Jun;7(6):1404–9

Cryosurgical modification of retrograde atrioventricular conduction. Implications for the surgical treatment of atrioventricular nodal reentry tachycardia. Holman WL, et al. **J Thorac Cardiovasc Surg** 1986 Jun;91(6):826–34

Definitive operation for refractory cardiac tachyarrhythmias in children. Ott DA, et al. **J Thorac Cardiovasc Surg** 1985 Nov;90(5):681–9

Results of operations for ventricular tachycardia in 105 patients. Swerdlow CD, et al. **J Thorac Cardiovasc Surg** 1986 Jul;92(1):105–13

Transvenous ablation of the atrioventricular conduction system by laser irradiation under endoscopic control. Obelienius V, et al. **Lasers Surg Med** 1985;5(5):469–74

Cardiac surgical techniques for treating intractable ventricular tachyarrhythmias. Wetstein L. **P R Health Sci J** 1985 Jun;4(2):101–7 (54 ref.)

Low energies and Helifix electrodes in the successful ablation of atrioventricular conduction. Holt PM, et al. **PACE** 1985 Sep;8(5):639–45

Laser therapy for tachyarrhythmias: a new frontier. Saksena S, et al. **PACE** 1986 Jul;9(4):531–50 (30 ref.)

[Surgical treatment of ventricular tachycardia] Mäkinen L, et al. **Duodecim** 1986;102(10):636–41 **(Fin)**

[Ventricular tachycardia of ischemic origin. Surgical treatment by encircling thermo-exclusion using the Nd-Yag laser] Mesnildrey P, et al. **Presse Med** 1986 Mar 15;15(11):531–4 (Eng. Abstr.) **(Fre)**

[Surgical treatment methods of therapy-resistant ventricular tachycardia in intramural heart aneurysms] Bailleux A, et al. **Helv Chir Acta** 1985 Jun;52(2):233–6 (Eng. Abstr.) **(Ger)**

[Transvenous electric ablation of an accessory pathway in supraventricular re-entry tachycardias refractory to therapy] Borggrefe M, et al. **Z Kardiol** 1985 Aug; 74(8):475–9 (Eng. Abstr.) **(Ger)**

[Electrode-catheter technic for selective right and left bundle branch ablation—an experimental study in dogs] Iedokoro Y. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Feb; 34(2):202–12 (Eng. Abstr.) **(Jpn)**

[Surgical management of atrial tachycardia] Iwa T, et al. **Nippon Rinsho** 1985 Nov;43(11):2304–9 **(Jpn)**

[Surgical treatment of resistant forms of ventricular tachycardia] Bokeriia LA, et al. **Grudn Khir** 1986 Jan-Feb; (1):59–64 (68 ref.) **(Rus)**

[1-stage surgical elimination of ectopic atrial tachycardia and accessory atrioventricular junction in Wolff-Parkinson-White syndrome] Bokeriia LA, et al. **Grudn Khir** 1986 Mar-Apr;(2):23–30 (Eng. Abstr.) **(Rus)**

[Surgical treatment of supraventricular tachyarrhythmias] Bokeriia LA, et al. **Grudn Khir** 1985 Jul-Aug;(4):79–85 (56 ref.) **(Rus)**

THERAPY

Chemical ablation of ventricular tachycardia in the dog. Chilson DA, et al. **Am Heart J** 1986 Jun;111(6):1113–8

Transvenous catheter ablation of the His bundle in ventricular tachycardia. Critelli G, et al. **Am Heart J** 1986 Jun;111(6):1106–12

The automatic internal cardioverter-defibrillator: comprehensive clinical follow-up, economic and social impact—the Stony Brook experience. Vlay SC. **Am Heart J** 1986 Jul;112(1):189–94

Is there a universal antitachycardia pacing mode? den Dulk K, et al. **Am J Cardiol** 1986 Apr 15;57(11):950–5

Left thoracic sympathectomy for treatment of refractory reentrant tachycardia in concealed Wolff-Parkinson-White syndrome. Mitsui T, et al. **Am J Cardiol** 1986 Apr 15; 57(11):995–7

Noninvasive cardiac pacing for termination of sustained, uniform ventricular tachycardia. Rosenthal ME, et al. **Am J Cardiol** 1986 Sep 1;58(6):561–2

Usefulness of an implantable antitachycardia pacemaker system for supraventricular or ventricular tachycardia. Saksena S, et al. **Am J Cardiol** 1986 Jul 1;58(1):70–4

Ice-water washcloth rather than facial immersion (diving reflex) for supraventricular tachycardia in adults [letter] Tavşanoglu S, et al. **Am J Cardiol** 1985 Dec 1;56(15):1003

Importance of modes of electrical termination of ventricular tachycardia for the selection of implantable antitachycardia devices. Waldecker B, et al. **Am J Cardiol** 1986 Jan 1; 57(1):150–5

Catheter ablation of accessory pathway in the permanent form of junctional reciprocating tachycardia. Critelli G, et al. **Arch Mal Coeur** 1985 Oct;78 Spec No:49–55

Catheter ablation of tachycardias. Fisher JD, et al. **Arch Mal Coeur** 1985 Oct;78 Spec No:43–7

The role of implantable pacemakers in the therapy of tachycardias. Furman S, et al. **Arch Mal Coeur** 1985 Oct; 78 Spec No:29–34

Clinical experience with the automatic implantable defibrillator. Mirowski M, et al. **Arch Mal Coeur** 1985 Oct; 78 Spec No:39–42

Significance of transient entrainment in pacing treatment of tachyarrythmias. Waldo AL, et al. **Arch Mal Coeur** 1985 Oct;78 Spec No:23–8

Termination of ventricular tachycardia with transcutaneous cardiac pacing. Beaudry PR, et al. **Can Med Assoc J** 1986 Jan 15;134(2):145–6

Pacing and transvenous cardioversion to control tachyarrhythmias. Zipes DP, et al. **Cardiol Clin** 1983 May; 1(2):341–55

Management of supraventricular tachycardias. Grogan EW Jr, et al. **Cardiovasc Clin** 1985;16(1):261–78 (92 ref.)

Use of electrical pacemakers in the treatment of ventricular tachycardia and ventricular fibrillation. Kerr CR, et al. **Cardiovasc Clin** 1985;16(1):215–37 (80 ref.)

A theoretically and practically more effective method for interruption of ventricular tachycardia: self-adapting autodecremental overdrive pacing. Charos GS, et al. **Circulation** 1986 Feb;73(2):309–15

The implantable transvenous cardioverter: long-term efficacy and reproducible induction of ventricular tachycardia. Miles WM, et al. **Circulation** 1986 Sep; 74(3):518–24

Medical and surgical treatment of sustained and recurrent post-infarction ventricular tachycardia. Salerno JA, et al. **Eur Heart J** 1985 Dec;6(12):1054–62

Closed chest catheter ablation of an accessory pathway in a patient with permanent junctional reciprocating tachycardia. Gang ES, et al. **J Am Coll Cardiol** 1985 Nov; 6(5):1167–71

Automatic burst extrastimulus pacemaker to treat recurrent ventricular tachycardia in a patient with mitral valve prolapse: more than 2,000 documented successful tachycardia terminations. Higgins JR. **J Am Coll Cardiol** 1986 Aug;8(2):446–50

Combined bipolar dual chamber pacing and automatic implantable cardioverter/defibrillator. Ruffy R, et al. **J Am Coll Cardiol** 1986 Apr;7(4):933–7

Transcatheter ablative techniques for treatment of the permanent form of junctional reciprocating tachycardia in young patients. Smith RT Jr, et al. **J Am Coll Cardiol** 1986 Aug;8(2):385–90

Electrophysiology studies: precordial thumping patients paced into ventricular tachycardia. Miller J, et al. **J Emerg Med** 1985;3(3):175–9

The plasma atrial natriuretic peptide response to treatment of acute cardiac failure, spontaneous supraventricular tachycardia and induced re-entrant tachycardia in man. Anderson JV, et al. **J Hypertens [Suppl]** 1986 Jun; 4(2):S137–41

Emergency treatment of tachyarrhythmias. Walsh KA, et al. **Med Clin North Am** 1986 Jul;70(4):791–811 (36 ref.)

Treatment of malignant ventricular arrhythmias with endocardial resection and implantation of the automatic cardioverter-defibrillator. Platia EV, et al. **N Engl J Med** 1986 Jan 23;314(4):213–6

Noninvasive serial electrophysiological testing using an implanted pacemaker for management of recurrent ventricular tachycardia. Menozzi C, et al. **PACE** 1986 Jul; 9(4):589–93

Transvenous cardioversion and defibrillation of ventricular tachyarrhythmias: current status and future directions. Saksena S, et al. **PACE** 1985 Sep;8(5):715–31 (53 ref.)

Tachyarrhythmias. Application of new information to clinical management. Saksena S, et al. **Postgrad Med** 1986 Jun; 79(8):121–36 (23 ref.)

[Treatment of life-threatening tachyarrhythmias using implantable automatic defibrillators] Fabián J, et al. **Vnitr Lek** 1986 Apr;32(4):398–405 (Eng. Abstr.) **(Cze)**

[Therapeutic percutaneous ablation of the bundle of His] Møller M, et al. **Ugeskr Laeger** 1985 Nov 11;147(46):3693–4 (Eng. Abstr.) **(Dan)**

[Treatment of refractory tachycardias using an implantable cardiac stimulator] Waleffe A, et al. **Ann Cardiol Angeiol (Paris)** 1986 Apr;35(4):215–8 (Eng. Abstr.) **(Fre)**

[Recent progress and perspectives in the treatment of tachycardia. Marseilles, 27 June 1984] **Arch Mal Coeur** 1985 Oct;78 Spec No:1–119 **(Fre)**

[Pacing and right atrial ventricular dissociation in auricular stimulation in reciprocal tachycardia using an accessory pathway] Saoudi NC, et al. **Arch Mal Coeur** 1985 Sep; 78(9):1357–64 (Eng. Abstr.) **(Fre)**

[Therapy of refractory ventricular tachycardia by transvenous electrical ablation] Breithardt G, et al. **Z Kardiol** 1986 Feb;75(2):80–90 (Eng. Abstr.) **(Ger)**

[Therapeutic closed-chest ablation of the bundle of His] Polgár P, et al. **Orv Hetil** 1986 Jul 20;127(29):1759–64 (Eng. Abstr.) **(Hun)**

[Transvenous cardioversion in the treatment of sustained ventricular tachycardia. Preliminary results in 3 patients with implantable cardioverter] Adornato E, et al. **G Ital Cardiol** 1986 Apr;16(4):301–7 (Eng. Abstr.) **(Ita)**

[A new dual-chamber pacemaker with an automatic antitachycardia system in the treatment of the bradycardia-tachycardia syndrome] Adornato E, et al. **G Ital Cardiol** 1985 Apr;15(4):418–24 (Eng. Abstr.) **(Ita)**

[Internal cardioversion in ventricular tachycardia (letter)] Vergara G. **G Ital Cardiol** 1986 Mar;16(3):276–7 **(Ita)**

[Sustained ventricular tachycardia: low-energy transcatheter internal cardioversion. Efficacy, reliability and tolerance in comparison with ventricular burst] Vergara G, et al. **G Ital Cardiol** 1985 Sep;15(9):862–72 (Eng. Abstr.) **(Ita)**

[Implantable automatic defibrillator] Chinzei T, et al. **Nippon Rinsho** 1985 Nov;43(11):2473–8 (19 ref.) **(Jpn)**

[Ablation, cardioversion and defibrillation with direct current for the management of tachycardia] Kato R, et al. **Nippon Rinsho** 1985 Nov;43(11):2467–72 (19 ref.) **(Jpn)**

[AV junction tachycardia without early excitation and its management] Kobayashi Y, et al. **Nippon Rinsho** 1985 Nov; 43(11):2310–8 **(Jpn)**

[Artificial pacing for recurring tachycardia] Ohe T. **Nippon Rinsho** 1985 Nov;43(11):2452–6 **(Jpn)**

[Tachycardia in children and its management] Takamizawa K, et al. **Nippon Rinsho** 1985 Nov;43(11):2440–6 **(Jpn)**

[Long-term prognosis and management of ventricular tachycardia] Takata H, et al. **Nippon Rinsho** 1985 Nov; 43(11):2376–81 **(Jpn)**

[Management policy for recurrent ventricular tachycardia in internal medicine and the surgical approach] Watanabe Y, et al. **Nippon Rinsho** 1985 Nov;43(11):2457–61 **(Jpn)**

[Initial experience with pacemaker therapy of ventricular "reentry" tachycardia using an extra-stimulus method] Djordjević M, et al. **Srp Arh Celok Lek** 1984 Nov-Dec; 112(11-12):1181–92 (Eng. Abstr.) **(Scc)**

[Interruption of the auriculoventricular conduction by endocavitary electric shock. A new alternative in the treatment of supraventricular tachycardias] Esteve JJ, et al. **Rev Esp Cardiol** 1985 Nov-Dec;38(6):432–9 (Eng. Abstr.) **(Spa)**

[Electric ablation with intravenous catheters (editorial)] González Maqueda I. **Rev Esp Cardiol** 1985 Nov-Dec; 38(6):381–2 **(Spa)**

VETERINARY

ECG of the month. Boxer cardiomyopathy. Miller MS, et al. **J Am Vet Med Assoc** 1985 Nov 15;187(10):1002–4

Unusual response following use of succinylcholine in a horse anesthetized with halothane. Riedesel DH, et al. **J Am Vet Med Assoc** 1985 Sep 1;187(5):507–8

TACHYCARDIA, PAROXYSMAL

[Supraventricular paroxysmal tachycardia in children] Cižmárová E, et al. **Bratisl Lek Listy** 1986 Jan;85(1):65–74 (Eng. Abstr.) **(Slo)**

BLOOD

Pharmacokinetics of intravenous propafenone in patients with episodes of paroxysmal supraventricular tachycardia. Arboix M, et al. **Methods Find Exp Clin Pharmacol** 1985 Aug;7(8):435–8

CHEMICALLY INDUCED

Paroxysmal supraventricular tachycardia during treatment with cisplatin and etoposide combination. Fassio T, et al. **Oncology** 1986;43(4):219–20

COMPLICATIONS

Observations on the occurrence of atrial fibrillation in paroxysmal supraventricular tachycardia. Roark SF, et al. **Am J Cardiol** 1986 Mar 1;57(8):571–5

Association of paroxysmal supraventricular tachycardia and periventricular leukomalacia. Donn SM, et al. **Am J Perinatol** 1986 Jan;3(1):50–2

Sudden nocturnal death in young males from ventricular flutter. Hayashi M, et al. **Jpn Heart J** 1985 Jul;26(4):585–91

Paroxysmal tachycardia and polyuria: a re-entry. Dunning AJ. **Neth J Med** 1985;28(10):371–3

[Supraventricular tachycardia and fetal edema. Apropos of 2 cases] Boutte P, et al. **Arch Fr Pediatr** 1985 Nov; 42(9):777–9 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

A prevalent misconception regarding wide-complex tachycardias. Morady F, et al. **JAMA** 1985 Nov 15; 254(19):2790–2

Differentiation of sinus tachycardia from paroxysmal 1:1 tachycardias using single late diastolic atrial extrastimuli. Munkenbeck FC, et al. **PACE** 1986 Jan;9(1 Pt 1):53–64

Spontaneous termination of paroxysmal supraventricular tachycardia following disappearance of bundle branch block ipsilateral to a concealed atrioventricular accessory pathway: the role of autonomic tone in tachycardia diagnosis. Waxman MB, et al. **PACE** 1986 Jan;9(1 Pt 1):26–35

[Diagnosis of dual atrioventricular nodal pathways in patients with paroxysmal tachycardia and anomalous accessory pathway (a case report with a left nodoventricular bypass tract)] Wang YS, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Feb; 14(1):38–42, 64 (Eng. Abstr.) (Chi)

[Ultrasonic diagnosis of fetal supraventricular tachycardia (letter)] Mounac M, et al. **Presse Med** 1985 Nov 30; 14(41):2106 (Fre)

[Fetal echocardiography. 6. Ultrasonic evaluation of fetal arrhythmia] Piela A, et al. **Ginekol Pol** 1985 Dec; 56(12):759–65 (Eng. Abstr.) (Pol)

[Differentiation between the LGL syndrome and the accelerated atrio-ventricular conduction syndrome from observed cases] Molenda W, et al. **Pol Tyg Lek** 1985 Jul 15;40(28):798–800 (Eng. Abstr.) (Pol)

[A case of paroxysmal ectopic supraventricular tachycardia] Telichowski C, et al. **Wiad Lek** 1986 Feb 15;39(4):259–62 (Eng. Abstr.) (Pol)

[Diagnostic significance of late ventricular potentials] Lautsiavichius A, et al. **Kardiologiia** 1986 Apr;26(4):9–14 (Eng. Abstr.) (Rus)

[Current principles of the diagnosis and treatment of paroxysmal tachycardia] Smetnev AS, et al. **Kardiologiia** 1986 Apr;26(4):5–8 (Rus)

DRUG THERAPY

The pharmacodynamic and pharmacokinetic differences of the D- and L-isomers of verapamil: implications in the treatment of paroxysmal supraventricular tachycardia. Hoon TJ, et al. **Am Heart J** 1986 Aug;112(2):396–403 (41 ref.)

Treatment of paroxysmal reentrant supraventricular tachycardia with flecainide acetate. Kim SS, et al. **Am J Cardiol** 1986 Jul 1;58(1):80–5

Usefulness of programmed stimulation in predicting efficacy of propafenone in long-term antiarrhythmic therapy for paroxysmal supraventricular tachycardia. Manz M, et al. **Am J Cardiol** 1985 Oct 1;56(10):593–7

Treatment of paroxysmal supraventricular tachycardia with intravenous injection of adenosine triphosphate. Saito D, et al. **Br Heart J** 1986 Mar;55(3):291–4

Adenosine triphosphate and adenosine: perspectives in the acute management of paroxysmal supraventricular tachycardia. Belhassen B, et al. **Clin Cardiol** 1985 Sep; 8(9):460–4

Effects of atenolol in patients with reciprocating supraventricular tachycardia. Pimenta J, et al. **Clin Cardiol** 1986 May;9(5):191–5

Intravenous diltiazem for the treatment of supraventricular tachycardia. Sternbach GL, et al. **Clin Cardiol** 1986 Apr; 9(4):145–9

Pirmenol in termination of paroxysmal supraventricular tachycardia. Toivonen LK. **Clin Cardiol** 1986 Aug; 9(8):369–73

Effect of i.v. and oral tiapamil in the treatment of paroxysmal supraventricular tachycardia. Fauchier JP, et al. **Eur Heart J** 1985 Jun;6(6):525–31

Effects of intravenous diltiazem administration in patients with inducible tachycardia. Waleffe A, et al. **Eur Heart J** 1985 Oct;6(10):882–90

Repetitive supraventricular tachycardia: clinical manifestations and response to therapy with amiodarone. Haines DE, et al. **PACE** 1986 Jan;9(1 Pt 1):130–3

Intravenous adenosine triphosphate disodium: its efficacy and electrophysiologic effects on patients with paroxysmal supraventricular tachycardias. Tajima T, et al. **PACE** 1986 May;9(3):401–10

[Treatment of paroxysmal supraventricular tachycardia with adenosine-5'-triphosphate] Jiang WP. **Chung Hua Nei Ko Tsa Chih** 1985 May;24(5):276–9, 318 (Eng. Abstr.) (Chi)

[Bepridil in the treatment of supraventricular paroxysmal tachycardias] Medvedowsky JL, et al. **Arch Mal Coeur** 1985 Oct;78 Spec No:67–74 (Eng. Abstr.) (Fre)

[Paroxysmal intermittent ventricular tachycardia in healthy children] Ilia R, et al. **Harefuah** 1986 Mar 16;110(6):279–81 (Eng. Abstr.) (Heb)

[Intravenous and oral encainide: electrophysiological effects in patients with paroxysmal reciprocating supraventricular tachycardia] Chimienti M, et al. **G Ital Cardiol** 1985 May; 15(5):533–42 (Eng. Abstr.) (Ita)

[Encainide in the treatment of paroxysmal reciprocating supraventricular tachycardia] Furlanello F. **G Ital Cardiol** 1985 May;15(5):543–4 (Ita)

[Electrophysiologic effects and clinical efficacy of propafenone in pediatric patients with paroxysmal supraventricular reentrant tachycardia] Musto B, et al. **G Ital Cardiol** 1986 Apr;16(4):336–43 (Eng. Abstr.) (Ita)

[Echocardiographic indices of cardiac function and systemic hemodynamics in patients with cardiac fibrillation paroxysms and their dynamics as affected by disopyramide phosphate] Komarov FI, et al. **Kardiologiia** 1985 Jul; 25(7):71–4 (Eng. Abstr.) (Rus)

[Mechanism of action and the effectiveness of ethacizin in patients with paroxysmal atrioventricular nodal reciprocal tachycardia] Malakhov VI, et al. **Kardiologiia** 1986 Apr; 26(4):48–54 (Eng. Abstr.) (Rus)

[Cordaron in the treatment of patients with paroxysmal rhythm disorders] Kiseleva LN, et al. **Vrach Delo** 1986 Mar; (3):28–31 (Eng. Abstr.) (Rus)

ETIOLOGY

A-V nodal dual pathways and paroxysmal supraventricular tachycardia. Shi YS, et al. **Chin Med J [Engl]** 1985 Aug; 98(8):568–74

Paroxysmal ventricular complexes during colonoscopy [letter] Patel NM. **Gastrointest Endosc** 1986 Apr; 32(2):122–3

Paroxysmal fascicular tachycardia and ventricular tachycardia due to mechanical stimulation by a mitral valve prosthesis. Kim SS, et al. **J Am Coll Cardiol** 1986 Jan; 7(1):176–9

Escape rhythm and paroxysmal tachyarrhythmia originating from the right bundle. Talwar KK, et al. **J Electrocardiol** 1986 Jul;19(3):295–7

A rare case of paroxysmal tachycardia during load testing a top-ranking athlete. Medved R, et al. **J Sports Med Phys Fitness** 1985 Dec;25(4):211–4

The mechanism of paroxysmal supraventricular tachycardia—PSVT due to peri-AV nodal reentry. Iinuma H, et al. **Jpn Circ J** 1986 Jan;50(1):58–64

[Cardiac rhabdomyoma in familial tuberous sclerosis] Schneider A, et al. **Helv Paediatr Acta** 1986 May; 41(1–2):77–85 (Eng. Abstr.) (Ger)

[Rare complication of calculosis of the gallbladder: Bouveret's syndrome] Sgro M, et al. **Chir Ital** 1984 Oct; 36(5):802–7 (Eng. Abstr.) (Ita)

[Ventricular arrhythmias in acute myocardial infarction and the changes in serum magnesium levels] Jurgiel R, et al. **Kardiol Pol** 1986;29(1):35–9 (Eng. Abstr.) (Pol)

[Re-entrant tachycardia in Wolff-Parkinson-White syndrome. I. Mechanisms of initiation and interruption of tachycardia] Musial WJ. **Kardiol Pol** 1985;28(3–4):207–17 (Eng. Abstr.) (Pol)

[Persistent recurring ventricular tachycardia in a patient with trifascicular block] Kupczak K, et al. **Wiad Lek** 1986 Jan 15;39(2):111–4 (Eng. Abstr.) (Pol)

[Ventricular tachycardia in Dressler's post-infarction syndrome] Telichowski C, et al. **Wiad Lek** 1985 Aug 1; 38(15):1077–81 (Eng. Abstr.) (Pol)

[Tachycardia and pre-excitation. A rare mechanism with bedside reversal by a vagal maneuver. Report of a case] Miranda MI, et al. **Arq Bras Cardiol** 1985 Jan;44(1):49–51 (Eng. Abstr.) (Por)

[Provocation of the attack of supraventricular reciprocal paroxysmal tachycardia by frequent stimulation of the left atrium through the esophagus to determine its approximate range of reciprocal excitement] Lukoshiavichiute AI, et al. **Kardiologiia** 1986 Apr;26(4):34–7 (Eng. Abstr.) (Rus)

[Latent Wolff-Parkinson-White syndrome as the electrophysiological and morphological basis of supraventricular tachycardia] Sulimov VA, et al. **Kardiologiia** 1986 Apr;26(4):26–34 (Eng. Abstr.) (Rus)

OCCURRENCE

[A one-year study of the incidence of paroxysmal tachyarrhythmia in relation to the lunar cycle] Mikulecký M. **Bratisl Lek Listy** 1985 Nov;84(5):518–24 (Eng. Abstr.) (Slo)

PATHOLOGY

Fatal paroxysmal supraventricular tachycardia in an infant. Buja GF, et al. **Chest** 1986 Jul;90(1):145–6

PHYSIOPATHOLOGY

Occlusion and reperfusion as possible different mechanisms of ventricular tachyarrhythmias in Prinzmetal's variant angina. Previtali M, et al. **Eur Heart J** 1985 Sep;6(9):795–9

Paroxysmal supraventricular tachycardia initiated by a swallowing-induced premature atrial beat. Yeh SJ, et al. **J Electrocardiol** 1986 Apr;19(2):193–6

The electrophysiological characteristics of various types of paroxysmal tachycardias. Obe T, et al. **Jpn Circ J** 1986 Jan;50(1):99–108

Cardiovascular collapse in infants: association with paroxysmal atrial tachycardia. Gikonyo BM, et al. **Pediatrics** 1985 Dec;76(6):922–6

Two non-overlapping PR intervals in a patient with dual pathways atrioventricular nodal reentrant tachycardia. Fang BR, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Nov; 84(11):1215–21

[Electrophysiological study in WPW syndrome with supraventricular tachycardia] Chen X. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Feb; 14(1):47–51 (Chi)

[Programmed stimulation in studying and treating ventricular tachycardia] Jiang WP. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Apr; 14(2):91–4 (Chi)

[Electrophysiologic study of paroxysmal supraventricular tachycardia] Sakurai M. **Hokkaido Igaku Zasshi** 1985 Jul; 60(4):487–98 (Eng. Abstr.) (Jpn)

[Evaluation of the inotropic condition of the human fetal myocardium in paroxysmal supraventricular tachycardia] Piela A, et al. **Ginekol Pol** 1985 Nov;56(11):671–6 (Eng. Abstr.) (Pol)

[Electromechanical activity of the heart in active and passive ectopic heart rate disorders in children] Galstian AA, et al. **Pediatriia** 1985 Nov;(11):10–4 (Eng. Abstr.) (Rus)

PREVENTION & CONTROL

Once per week oral administration of amiodarone in the prophylaxis of supraventricular paroxysmal tachycardia. Padrini R, et al. **Pharmacol Res Commun** 1985 Nov; 17(11):1043–52

[Role of positive emotions in the prevention of cardiac rhythm disorders during emotional stress] Ul'ianinskii LS, et al. **Vestn Akad Med Nauk SSSR** 1985;(11):87–91 (Eng. Abstr.) (Rus)

SURGERY

[Double fulguration of the bundles of His and Kent for recurrent tachycardia in Wolff-Parkinson-White syndrome] Leclercq JF, et al. **Arch Mal Coeur** 1986 Jan; 79(1):113–7 (Eng. Abstr.) (Fre)

[Experience with and the outlook for using a method of transvenous electropulse destruction in the surgical treatment of resistant forms of supraventricular tachyarrhythmias] Bokeriia LA, et al. **Grudn Khir** 1985 Nov–Dec;(6):10–6 (Eng. Abstr.) (Rus)

THERAPY

An implantable antitachycardia pacemaker with back-up pacing and scanning burst mode. Jordaens L, et al. **Eur Heart J** 1986 Jan;7(1):61–6

Antitachycardia pacing: a comparison of burst overdrive, self-searching and adaptive table scanning programs. Holt P, et al. **PACE** 1986 Jul;9(4):490–7

Frequent attacks of supraventricular tachycardia in a patient treated with an automatic scanning pacemaker (PASAR): Holter documentation of 554 episodes. Simonsen E, et al. **PACE** 1985 Sep;8(5):740–5

Pacing failure due to flecainide acetate. Walker PR, et al. **PACE** 1985 Nov;8(6):900–2

[The diving reflex: treatment of supraventricular paroxysmal tachycardia in newborn infants (letter)] Varlamis GS, et al. **Presse Med** 1986 May 24;15(21):983 (Fre)

[A new method to induce topical cooling of the right atrium in the treatment of supraventricular tachyarrhythmia—an experimental study] Higashidate M. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Jan;34(1):40–7 (Eng. Abstr.) (Jpn)

[Drug therapy of supraventricular tachycardia and artificial pacing] Yamaguchi I, et al. **Nippon Rinsho** 1985 Nov; 43(11):2349–55 (Jpn)

[Transvenous destruction of the atrioventricular junction in supraventricular tachyarrhythmias] Kuzin MI, et al. **Grudn Khir** 1985 Sep–Oct;(5):15–9 (Eng. Abstr.) (Rus)

[Morphophysiological aspects of closed destruction of the conduction pathways of the heart] Grigorov SS, et al. **Kardiologiia** 1986 Apr;26(4):18–21 (Eng. Abstr.) (Rus)

[Clinical use of transvenous electrodestruction of the atrioventricular junction in patients with supraventricular tachyarrhythmia] Grigorov SS, et al. **Ter Arkh** 1985; 57(12):71–4 (Eng. Abstr.) (Rus)

TACHYPHYLAXIS

Tachyphylaxis to verapamil [letter] Aderka D, et al. **Arch Intern Med** 1986 Jan;146(1):207

Absence of habituation of airway dilation following lung inflation. Zamel N, et al. **Bull Eur Physiopathol Respir** 1985 Sep–Oct;21(5):433–8

Tachyphylaxis to topical steroid measured by histamine-induced wheal suppression. Singh G, et al. **Int J Dermatol** 1986 Jun;25(5):324–6

Long refractory period after one application of nonimmunologic contact urticaria agents to the guinea pig ear. Lahti A, et al. **J Am Acad Dermatol** 1985 Oct; 13(4):585–9

Tachyphylaxis to inhaled aerosolized histamine in anesthetized dogs. Shore S, et al. **J Appl Physiol** 1985 Nov; 59(5):1355–63

Terbutaline-induced desensitization of human lymphocyte beta 2-adrenoceptors. Accelerated restoration of beta-adrenoceptor responsiveness by prednisone and ketotifen. Brodde OE, et al. **J Clin Invest** 1985 Sep; 76(3):1096–101

Absence of tachyphylaxis in gastric acid secretion during pentagastrin infusion. Chin TW, et al. **J Clin Pharmacol** 1986 Apr;26(4):281–5

Structure dependence of angiotensin tachyphylaxis and the mechanisms of saralasin like and sarmesin like antagonism. Moore GJ, et al. **Proc West Pharmacol Soc** 1985;28:31–3

Effects of prednisolone on beta-adrenergic desensitization of normal peripheral lymphocytes: an in vitro model for steroid-controlled tachyphylaxis. Sertl K, et al. **Wien Klin Wochenschr** 1986 Jul 18;98(14):445–9

[Beta-mimetics and tachyphylaxis] Perrin-Fayolle M. **Rev Pneumol Clin** 1985;41(5):298–313 (114 ref.) (Eng. Abstr.) (Fre)

[Development of aspirin tolerance in hypersensitive persons. I. Methods of development of tolerance, aspirin refraction time and cross tolerance to other drugs] Kowalski ML, et al. **Pol Arch Med Wewn** 1986 Jan;75(1):42–8 (Pol)

[Development of aspirin tolerance in hypersensitive persons.

II. Clinical usefulness and the mechanisms of the phenomenon of aspirin tolerance] Kowalski ML, et al. **Pol Arch Med Wewn** 1986 Jan;75(1):49–57 (41 ref.) (Pol)

TACHYPLEUS see **HORSESHOE CRABS**

TACRINE see under **AMINOACRIDINES**

TAENIA

[Research on helminth eggs and protozoan cysts on money] Levai EV, et al. **Rev Saude Publica** 1986 Feb;20(1):33–6 (Eng. Abstr.) (Por)

ANALYSIS

Isolation and partial characterization of an eosinophil chemotactic factor from metacestodes of Taenia taeniaeformis (ECF-Tt). Potter KA, et al. **J Immunol** 1986 Mar 1;136(5):1712–7

CLASSIFICATION

[Immunologic taxonomy] Greenhouse VY. **Bol Estud Med Biol** 1983 Jul–Oct;32(7–8 Suppl 1):319–24 (Eng. Abstr.) (Spa)

DRUG EFFECTS

Taenia taeniaeformis: inhibition of metacestode development in the rat by gossypol. Rikihisa Y, et al. **Exp Parasitol** 1986 Apr;61(2):127–33

EMBRYOLOGY

Improved in vitro determination of the viability of Taenia saginata embryos. Owen RR. **Ann Trop Med Parasitol** 1985 Dec;79(6):655–6

ENZYMOLOGY

Ultrastructural localization of alkaline phosphatase in the eggs of Hydatigera taeniaeformis (Taenia taeniaeformis). Ajayi ST, et al. **Cytobios** 1985;44(175):19–24

Study of cytochromes from mitochondria of Taenia crassiceps (Zeder, 1800) cysticerci. Zenka J, et al. **Folia Parasitol (Praha)** 1986;33(2):145–8

A superoxide dismutase of metacestodes of Taenia taeniaeformis. Leid RW, et al. **Mol Biochem Parasitol** 1986 Mar;18(3):301–11

GROWTH & DEVELOPMENT

Taenia taeniaeformis: immunoperoxidase localization of metacestode culture product(s) in hyperplastic gastric mucosa. Rikihisa Y, et al. **Exp Parasitol** 1986 Apr; 61(2):134–7

Freezing of infested pork muscle kills cysticerci. Sotelo J, et al. **JAMA** 1986 Aug 15;256(7):893–4

IMMUNOLOGY

Demonstration of species-specific and cross-reactive components of Taenia solium metacestode antigens. Gottstein B, et al. **Am J Trop Med Hyg** 1986 Mar; 35(2):308–13

Specificity of scolex and oncosphere antigens for the serological diagnosis of taeniid cestode infections in dogs. Jenkins DJ, et al. **Aust Vet J** 1986 Feb;63(2):40–2

Antigens of taeniid cestodes in protection, diagnosis and escape. Harrison LJ, et al. **Curr Top Microbiol Immunol** 1985;120:159–72 (89 ref.)

Taenia taeniaeformis: inhibition of mitogen induced proliferation and interleukin-2 production in rat splenocytes by larval in vitro product. Burger CJ, et al. **Exp Parasitol** 1986 Oct;62(2):216–22

Immunization against Taenia taeniaeformis in mice: identification of oncospheral antigens in polyacrylamide gels by Western blotting and enzyme immunoassay. Lightowlers MW, et al. **Int J Parasitol** 1986 Aug; 16(4):297–306

Taenia taeniaeformis in mice: passive transfer of protection with sera from infected or vaccinated mice and analysis of serum antibodies to oncospheral antigens. Lightowlers MW, et al. **Int J Parasitol** 1986 Aug;16(4):307–15

Immunochemical detection of antigens of larval Taenia solium and anti-larval antibodies in the cerebrospinal fluid of patients with neurocysticercosis. Estrada JJ, et al. **J Neurol Sci** 1985 Nov;71(1):39–48

A potential diagnostic reagent for bovine cysticercosis. Rhoads ML, et al. **J Parasitol** 1985 Dec;71(6):779–87

Passive protection against Taenia saginata infection in cattle by a mouse monoclonal antibody reactive with the surface of the invasive oncosphere. Harrison LJ, et al. **Parasite Immunol** 1986 Jul;8(4):319–32

Immunodiagnosis of cysticercosis: standardization of ELISA and its application to field conditions. Knobloch J, et al. **Trop Med Parasitol** 1985 Sep;36(3):157–9

Host—parasite relationship in cysticercosis: immunologic study in different compartments of the host. Flisser A, et al. **Vet Parasitol** 1986 Mar;20(1–3):95–102

[Immunoenzymatic test (ELISA) in the diagnosis of neurocysticercosis: study of various antigenic extracts in the detection of IgG antibodies in serum and cerebrospinal fluid samples] Costa JM. **Arq Neuropsiquiatr** 1986 Mar; 44(1):15–31 (Eng. Abstr.) (Por)

PHYSIOLOGY

Suppression of Taenia crassiceps during concurrent infections with Mesocestoides corti in mice. Joysey HS. **Parasitology** 1986 Feb;92 (Pt 1):199–207

The survival of parasite eggs throughout the soil profile. Storey GW, et al. **Parasitology** 1985 Dec;91 (Pt 3):585–90

ULTRASTRUCTURE

Ultrastructure evidence for damage of Taenia solium cysticerci from naturally parasitized, immunized hogs. Molinari JL, et al. **Rev Latinoam Microbiol** 1986 Jan–Mar; 28(1):47–61

TAENIA INFECTIONS see **TAENIASIS**

TAENIACIDES see **ANTICESTODAL AGENTS**

TAENIARHYNCHUS see **TAENIA**

TAENIASIS

see related **CYSTICERCOSIS**

BLOOD

Blood eosinophils in patients with Taenia saginata taeniasis. Kociecka W, et al. **Wiad Parazytol** 1985;31(2):139–45

COMPLICATIONS

Suppression of Taenia crassiceps during concurrent infections with Mesocestoides corti in mice. Joysey HS. **Parasitology** 1986 Feb;92 (Pt 1):199–207

[Endoscopic and histopathological studies of gastric mucosa in patients with taeniarhynchosis] Stefaniak J, et al. **Wiad Parazytol** 1985;31(4–6):561–2 (Pol)

[Ileus—a complication of taeniasis in a patient following cesarean section] Gombolová A, et al. **Bratisl Lek Listy** 1985 Oct;84(4):488–91 (Eng. Abstr.) (Slo)

DRUG THERAPY

Taenia taeniaeformis: inhibition of metacestode development in the rat by gossypol. Rikihisa Y, et al. **Exp Parasitol** 1986 Apr;61(2):127–33

Taeniasis unresponsive to a single dose of niclosamide: case report of persistent infection with Taenia saginata and a review of therapy. Vermund SH, et al. **Rev Infect Dis** 1986 May–Jun;8(3):423–6

Studies on taeniasis in Taiwan. V. Field trial on evaluation of therapeutic efficacy of mebendazole and praziquantel against taeniasis. Fan PC, et al. **Southeast Asian J Trop Med Public Health** 1986 Mar; 17(1):82–90

[Survey of helminthic infections and treatment of Taenia species infection among the aborigines in Chien-Shih District, Hsin-Chu County, northern Taiwan] Chung WC, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1985 May;18(2):96–103 (Eng. Abstr.) (Chi)

[Preliminary comparison of the results of treatment of taeniasis with "Radaverm" and "Yomesan"] Łuźmicki R, et al. **Wiad Parazytol** 1985;31(2):187–91 (Eng. Abstr.) (Pol)

IMMUNOLOGY

Antigens of taeniid cestodes in protection, diagnosis and escape. Harrison LJ, et al. **Curr Top Microbiol Immunol** 1985;120:159–72 (89 ref.)

Taenia taeniaeformis: inhibition of mitogen induced proliferation and interleukin-2 production in rat splenocytes by larval in vitro product. Burger CJ, et al. **Exp Parasitol** 1986 Oct;62(2):216–22

Experimental infection of high and low responder Biozzi mice with Taenia crassiceps (Cestoda). Joysey HS. **Int J Parasitol** 1986 Jun;16(3):217–21

Taenia taeniaeformis in mice: passive transfer of protection with sera from infected or vaccinated mice and analysis of serum antibodies to oncospheral antigens. Lightowlers MW, et al. **Int J Parasitol** 1986 Aug;16(4):307–15

Host serum proteins in Taenia saginata metacestode fluid. Machnicka B, et al. **Vet Parasitol** 1986 Jan;19(1–2):47–54

A review of eosinophil chemotaxis and function in Taenia taeniaeformis infections in the laboratory rat. Potter K, et al. **Vet Parasitol** 1986 Mar;20(1–3):103–16 (82 ref.)

OCCURRENCE

[Brief survey on cysticercosis and Taenia solium taeniasis in a village of western Cameroon] Marty P, et al. **Med Trop (Mars)** 1986 Apr–Jun;46(2):181–3 (Eng. Abstr.) (Fre)

[Taeniarhynchosis in children in Slovakia] Straka S, et al. **Cesk Pediatr** 1985 Dec;40(12):727–30 (Eng. Abstr.) (Slo)

PATHOLOGY

Taenia taeniaeformis: immunoperoxidase localization of metacestode culture product(s) in hyperplastic gastric mucosa. Rikihisa Y, et al. **Exp Parasitol** 1986 Apr; 61(2):134–7

[Biopsy of small intestinal mucosa in patients with Taenia saginata infection (preliminary report)] Kociecka W, et al. **Wiad Parazytol** 1985;31(4–6):563–6 (Pol)

PREVENTION & CONTROL

Passive protection against Taenia saginata infection in cattle by a mouse monoclonal antibody reactive with the surface of the invasive oncosphere. Harrison LJ, et al. **Parasite Immunol** 1986 Jul;8(4):319–32

THERAPY

Treatment of tapeworm infestation by coconut (Co-cos-nucifera) preparations. Chowhan GS, et al. **J Assoc Physicians India** 1985 Mar;33(3):207–9

VETERINARY

The prevalence and epidemiology of cestodes in dogs in Clwyd, Wales. I. Farm dogs. Stallbaumer M. **Ann Trop Med Parasitol** 1985 Dec;79(6):645–50

Taeniasis in a purple-faced langur. Lozano-Alarcon F, et al. **J Am Vet Med Assoc** 1985 Dec 1;187(11):1271

TAIL

An X-ray diffraction analysis of rat tail tendons treated with Cupromeronic Blue. Meek KM, et al. **J Microsc** 1985 Aug; 139 (Pt 2):205–19

BLOOD SUPPLY

Effects of tityustoxin on the rat isolated tail artery. Savino EA, et al. **Acta Physiol Pharmacol Latinoam** 1985; 35(1):119–27

Increased Ca2+ sensitivity of alpha 1-adrenoceptor-stimulated contraction in SHR caudal artery. Aqel MB, et al. **Am J Physiol** 1986 Feb;250(2 Pt 1):C275–82

Effect of inhibition of neuronal uptake on the flux of extraluminal noradrenaline into the lumen of the rat tail artery. Venning MG, et al. **Blood Vessels** 1985;22(5):244–6

Alpha 2-adrenoceptors in rat tail artery [letter] Medgett IC. **Clin Exp Pharmacol Physiol** 1985 Sep–Oct;12(5):533–4

Mode of neural control mediating rat tail vasodilation during heating. O'Leary DS, et al. **J Appl Physiol** 1985 Nov; 59(5):1533–8

Studies that question the existence of alpha-2 adrenoceptors in tail arteries of normotensive Sprague-Dawley rats. Marwood JF, et al. **J Pharmacol Exp Ther** 1986 Jul; 238(1):267–72

Hyperalgesia following ischaemia of the rat's tail. Gelgor L, et al. **Pain** 1986 Feb;24(2):251–7

[Slow rhythms in the rheovasogram of the tail arteries of the unanesthetized rat] Pronin VI, et al. **Fiziol Zh SSSR** 1985 Nov;71(11):1382–5 (Eng. Abstr.) (Rus)

EMBRYOLOGY

An experimental and morphological analysis of the tail bud mesenchyme of the chick embryo. Sanders EJ, et al. **Anat Embryol (Berl)** 1986;174(2):179–85

INJURIES

[Tail biting in slaughtering calves (letter)] Meindertsma J. **Tijdschr Diergeneeskd** 1986 Apr 1;111(7):349 (Dut)

[Tail necrosis and tail biting in veal calves in group housing] van der Mei J. **Tijdschr Diergeneeskd** 1986 Jan 15; 111(2):83–5 (Eng. Abstr.) (Dut)

PATHOLOGY

Acute and late damage in mouse tail following hyperthermia and X-irradiation. Hume SP, et al. **Int J Hyperthermia** 1985 Oct–Dec;1(4):349–57

A study of tail tip necrosis in young fattening bulls on slatted floors. Madsen EB, et al. **Nord Vet Med** 1985 Nov–Dec; 37(6):349–57

PHYSIOLOGY

A fictive tail flick reflex in the rat. Cargill CL, et al. **Brain Res** 1985 Oct 14;345(1):45–53

SURGERY

Tail docking [letter] Brown S, et al. **Vet Rec** 1986 Aug 2; 119(5):119

TAKA-AMYLASE A see **ALPHA-AMYLASE**

TAKAYASU SYNDROME see under **AORTIC ARCH SYNDROMES**

TALAMPICILLIN see under **AMPICILLIN**

TALC

The use of talc for pleurodesis in the treatment of resistant empyema. Weissberg D, et al. **Ann Thorac Surg** 1986 Feb; 41(2):143–5

Possible intraocular lens contamination by surgical glove powder. Bene C, et al. **Ophthalmic Surg** 1986 May; 17(5):290–1

ADVERSE EFFECTS

Talc: understanding its manifestations in the chest. Feigin DS. AJR 1986 Feb;146(2):295–301
Talc: its manifestations in the chest [letter] Fitzer PM. AJR 1986 Aug;147(2):439
Talc: need we beware? Natow AJ. Cutis 1986 May; 37(5):328–9
Chronic airflow limitation in talc industry: role of age, smoking habits and dust exposure. Bachani D. Indian J Chest Dis Allied Sci 1984 Oct–Dec;26(4):220–4
Impact of talc dust on the respiratory system of working population. Bachani D, et al. J Indian Med Assoc 1985 Feb;83(2):41–3
Case report 330: Talc granulomas of the skin and subcutaneous tissue (self–induced). Apple JS, et al. Skeletal Radiol 1985;14(4):291–4
[Pneumoconioses due to French talc] Delaude A. Bull Acad Natl Med (Paris) 1985 May;169(5):581–5 (Eng. Abstr.) (Fre)
[Pleural poudrage (letter)] Boutin C, et al. Presse Med 1986 Jan 25;15(3):123 (Fre)
[Acute appendicitis in children under chronic peritoneal dialysis] Muñoz–Arizpe R, et al. Bol Med Hosp Infant Mex 1985 Oct;42(10):625–9 (Eng. Abstr.) (Spa)

ANALYSIS

The demonstration of the migration of talc from the vagina and posterior uterus to the ovary in the rat. Henderson WJ, et al. Environ Res 1986 Aug;40(2):247–50
On talc translocation from the vagina to the oviducts and beyond. Wehner AP, et al. Food Chem Toxicol 1986 Apr; 24(4):329–38
Crystalline foreign particulate material in hernia sacs. Pratt PC, et al. Hum Pathol 1985 Nov;16(11):1141–6

POISONING

Aspiration of baby powder [letter] Cotton WH, et al. N Engl J Med 1985 Dec 26;313(26):1662

TOXICITY

Long–term peritoneal tissue response in rats to mould–release agents and lubricant powder used on surgeons' gloves. Pelling D, et al. Food Chem Toxicol 1986 May;24(5):425–30
Method for determining the lung burden of talc in rats and mice after inhalation exposure to talc aerosols. Hanson RL, et al. J Appl Toxicol 1985 Oct;5(5):283–7

TALENT see APTITUDE

TALFAN DISEASE see ENCEPHALOMYELITIS, ENZOOTIC PORCINE

TALIPES see CLUBFOOT

TALUS

Combined ankle and subtalar instability. Zell BK, et al. Bull Hosp Jt Dis Orthop Inst 1986 Spring;46(1):37–46
Osteochondritis dissecans of the talus. A report on 7 cases. Taglialavoro G, et al. Ital J Orthop Traumatol 1985 Sep; 11(3):301–8
Dysplasia epiphysealis hemimelica. A case report and literature review. Boccio JR, et al. J Am Podiatr Med Assoc 1985 Oct;75(10):523–6
A correlation between os trigonum syndrome and tarsal tunnel syndrome. Havens RT, et al. J Am Podiatr Med Assoc 1986 Aug;76(8):450–4
Oblique talus. A separate diagnosis. Lembach L, et al. J Am Podiatr Med Assoc 1986 Apr;76(4):214–7
[Pathology of the talus in sports traumatology: osteochondritis dissecans of the astragalus] Crielaard JM, et al. Acta Belg Med Phys 1985 Apr–Jun;8(2):85–7 (Fre)
[Ankle bone osteochondritis in sports injuries: 5 case reports] Crielaard JM, et al. Rev Med Liege 1986 Jun 1;41(11):497–9 (Fre)

ABNORMALITIES

Computerized tomography of talocalcaneal tarsal coalition: a clinical and anatomic study. Herzenberg JE, et al. Foot Ankle 1986 Jun;6(6):273–88
Congenital vertical talus. Oppenheim W, et al. Foot Ankle 1985 Jan–Feb;5(4):198–204
[Radiological evaluation of pes planus taloflexus congenitus] Marciniak W, et al. Chir Narzadow Ruchu Ortop Pol 1985; 50(6):469–74 (Eng. Abstr.) (Pol)

ANATOMY & HISTOLOGY

The talar facets of the calcaneus—an anatomical note. Padmanabhan R. Anat Anz 1986;161(5):389–92

BLOOD SUPPLY

Subchondral pathways to the superior surface of the human talus. Berry JL, et al. Foot Ankle 1986 Aug;7(1):2–9

INJURIES

Horizontal fracture of the talar head. A case report. Mulligan ME. Am J Sports Med 1986 Mar–Apr;14(2):176–7
Transchondral talar dome fracture. Huylebroek JF, et al. Arch Orthop Trauma Surg 1985;104(4):238–41
Arthroscopic treatment of transchondral talar dome fractures. Baker CL, et al. Arthroscopy 1986;2(2):82–7
Long–term results of displaced talar neck fractures. Comfort TH, et al. Clin Orthop 1985 Oct;(199):81–7
Operative treatment of displaced talus fractures. Grob D, et al. Clin Orthop 1985 Oct;(199):88–96
An unusual fracture of the talus associated with a bimalleolar ankle fracture. A case report and review of the literature. Montane I, et al. Clin Orthop 1986 Jul;(208):278–81 (9 ref.)
Eighty–five talus fractures treated by ORIF with five to eight years of follow–up study of 69 patients. Szyszkowitz R, et al. Clin Orthop 1985 Oct;(199):97–107
Arthroscopic treatment of osteochondral lesions of the talus. Pritsch M, et al. J Bone Joint Surg [Am] 1986 Jul; 68(6):862–5
Fractures of the talus and calcaneus: evaluation by computed tomography. Hindman BW, et al. J Comput Tomogr 1986 Apr;10(2):191–6
Talar neck fractures: a review of vascular supply and classification. Aquino MD, et al. J Foot Surg 1986 May–Jun;25(3):188–93
Transchondral fractures of the dome of the talus. Spatt JF, et al. J Foot Surg 1986 Jan–Feb;25(1):68–72
The radiology of the talus. Cope R. Mo Med 1985 Nov; 82(11):699–702
Fracture of the talus in childhood. A case report. Louw JA, et al. S Afr Med J 1985 Oct 12;68(8):598–9
[Total dislocation of the talus—clinico–anatomic study] Dvořák J, et al. Acta Chir Orthop Traumatol Cech 1986 Feb;53(1):41–7 (Eng. Abstr.) (Cze)
[Traumatic talo–navicular dislocation] Kuur E. Ugeskr Laeger 1985 Nov 18;147(47):3811–2 (Eng. Abstr.) (Dan)
[Fractures of the talus in children. Apropos of 23 cases] Mazel C, et al. Rev Chir Orthop 1986;72(3):183–95 (Eng. Abstr.) (Fre)
[Complications and sequelae of talar injuries] Schuind F, et al. Rev Med Brux 1986 May;7(5):315–8 (Eng. Abstr.) (Fre)
[Fractures of the astragalus. The results of surgical treatment] Marsano R, et al. Chir Ital 1986 Apr;38(2):237–45 (Eng. Abstr.) (Ita)

PATHOLOGY

Osteochondritis dissecans of the talus. Powell JH 3d, et al. Foot Ankle 1986 Jun;6(6):309–10
High–field magnetic–resonance imaging of aseptic necrosis of the talus. A case report. Sierra A, et al. J Bone Joint Surg [Am] 1986 Jul;68(6):927–8
A cartilaginous lesion of the talus. Herring JA, et al. J Pediatr Orthop 1986 Jul–Aug;6(4):496–8

PHYSIOLOGY

Trabecular bone strength profiles at the ankle joint. Hvid I, et al. Clin Orthop 1985 Oct;(199):306–12
Changes in tibiotalar joint contact areas following experimentally induced tibial angular deformities. Tarr RR, et al. Clin Orthop 1985 Oct;(199):72–80

RADIOGRAPHY

Occult subluxation of the subtalar joint in clubfoot (using computerized tomography). Fahrenbach GJ, et al. J Pediatr Orthop 1986 May–Jun;6(3):334–9
Osteoid osteoma and osteoblastoma of the talus. A report of 40 cases. Capanna R, et al. Skeletal Radiol 1986; 15(5):360–4
[Partial aseptic subchondrial necrosis of the talus] Fedoseev VA, et al. Vestn Rentgenol Radiol 1986 May–Jun;(3):85–6 (Rus)

SURGERY

Arthroscopic treatment of osteochondral lesions of the talus. Parisien JS. Am J Sports Med 1986 May–Jun;14(3):211–7
Talectomy. A long–term follow–up evaluation. Cooper RR, et al. Clin Orthop 1985 Dec;(201):32–5
Osteochondritis dissecans of the talus (transchondral fractures of the talus): review of the literature and new surgical approach for medial dome lesions. Flick AB, et al. Foot Ankle 1985 Jan–Feb;5(4):165–85
[Duration of occupational incapacity after injuries resulting in arthrodesis around the talus] Hansen BA. Ugeskr Laeger 1985 Oct 21;147(43):3434–6 (Eng. Abstr.) (Dan)
[Pes planus taloflexus congenitus—results of surgical treatment by the method of peritalar repositioning] Napiontek M, et al. Chir Narzadow Ruchu Ortop Pol 1985; 50(6):475–81 (Eng. Abstr.) (Pol)

TAMARINS see CALLITHRICIDAE

TAMIAS see SCIURIDAE

TAMOXIFEN

ADMINISTRATION & DOSAGE

Comment on 'Long–term tamoxifen adjuvant therapy in node positive breast cancer' [letter] Buzdar AU, et al. Breast Cancer Res Treat 1985;6(2):149–50
Chemotherapy versus chemotherapy plus hormonotherapy in postmenopausal advanced breast cancer patients. A randomized trial. Viladiu P, et al. Cancer 1985 Dec 15; 56(12):2745–50
Retinoid–tamoxifen interaction in mammary cancer chemoprevention. McCormick DL, et al. Carcinogenesis 1986 Feb;7(2):193–6
Short–term tamoxifen treatment in benign breast diseases. Cupceancu B. Endocrinologie 1985 Jul–Sep;23(3):169–77
Experimental combined hormone therapy on human breast carcinomas serially transplanted into nude mice. Fukutomi T, et al. Jpn J Cancer Res 1986 Jan;77(1):92–7
Effective sequential administration of tamoxifen and medroxyprogesterone acetate for 7,12–dimethylbenz[a–anthracene–induced rat mammary tumors in relation to hormone receptors. Tominaga T, et al. Jpn J Cancer Res 1985 Nov;76(11):1120–5
Effects of long–term administration of tamoxifen on steroid metabolism in prostatic carcinoma patients. Bolton NJ, et al. Prostate 1985;6(4):417–22
Combined cytotoxic and endocrine treatment of postmenopausal patients with advanced breast cancer: preliminary results of a phase II study of the combination of prednimustine, novantrone, methotrexate, 5–fluorouracil, and tamoxifen. Mouridsen HT, et al. Semin Oncol 1986 Mar;13(1 Suppl 1):39–41
Dynamic hormonal chemotherapy in advanced metastatic breast carcinoma. Liu TJ. Taiwan I Hsueh Hui Tsa Chih 1986 Apr;85(4):376–83
[Hormonotherapy of metastatic breast cancer with tamoxifen and medroxyprogesterone acetate. Randomized trial comparing alternating sequences with successive applications] Mauriac L, et al. Bull Cancer (Paris) 1986; 73(2):148–54 (Eng. Abstr.) (Fre)
[Chemo–endocrine therapy of diffuse carcinoma of the stomach and its clinical evaluation] Kitaoka H. Gan No Rinsho 1985 Jul;31(9 Suppl):1189–94 (Eng. Abstr.) (Jpn)
[A case of long–term survival of liver metastasis of breast cancer successfully treated with chemotherapy and endocrine therapy] Shiba E, et al. Gan No Rinsho 1985 Sep;31(11):1439–44 (Eng. Abstr.) (Jpn)

ADVERSE EFFECTS

Severe lipemia induced by tamoxifen. Brun LD, et al. Cancer 1986 Jun 1;57(11):2123–6
The effect of tamoxifen therapy on thyroid function tests. Gordon D, et al. Cancer 1986 Oct 1;58(7):1422–5
Bilateral optic neuritis evolved during tamoxifen treatment. Pugesgaard T, et al. Cancer 1986 Jul 15;58(2):383–6
Acquired factor VIII deficiency in an elderly woman on tamoxifen. Barlas AH. J Am Geriatr Soc 1986 Apr; 34(4):318–20
Prophylactic tamoxifen [letter] Jordan VC, et al. Lancet 1986 Apr 19;1(8486):910
Tamoxifen prophylaxis [letter] Jordan VC. Lancet 1986 Jan 11;1(8472):105
Hypothalamic–pituitary–ovarian axis in women with operable breast cancer treated with adjuvant CMF and tamoxifen. Delrio G, et al. Tumori 1986 Feb 28;72(1):53–61
[Arterial thrombosis in a patient treated with tamoxifen. Remission despite continuing treatment (letter)] Priollet P, et al. Presse Med 1986 Jun 28;15(26):1243 (Fre)
[Nontraumatic chronic subdural hematoma due to dural metastases of breast cancer. Case report] Otsuka A, et al. No Shinkei Geka 1985 Sep;13(9):999–1004 (Eng. Abstr.) (Jpn)

ANALOGS & DERIVATIVES

Hydrodynamic characterizations of estrogen receptors complexed with [3H]–4–hydroxytamoxifen: evidence in support of contrasting receptor transitions mediated by different ligands. Pavlik EJ, et al. Biochemistry 1985 Dec 31;24(27):8101–6
A new triphenylethylene compound, Fc–1157a. I. Hormonal effects. Kallio S, et al. Cancer Chemother Pharmacol 1986; 17(2):103–8
A new triphenylethylene compound, Fc–1157a. II. Antitumor effects. Kangas L, et al. Cancer Chemother Pharmacol 1986;17(2):109–13
trans–4–Hydroxytamoxifen concentration and metabolism after local percutaneous administration to human breast. Mauvais–Jarvis P, et al. Cancer Res 1986 Mar;46(3):1521–5
The oestrogen antagonists, tamoxifen and FC–1157a, display oestrogen like effects on human lymphocyte functions in vitro. Paavonen T, et al. Clin Exp Immunol 1985 Aug; 61(2):467–74
Comparison of the physicochemical properties of uterine nuclear estrogen receptors bound to estradiol or 4–hydroxytamoxifen. Attardi B, et al. Endocrinology 1986 Aug;119(2):904–15
Antagonism to estradiol in the mouse: reduced entry of receptors complexed with 4–hydroxytamoxifen into a Mg2+–soluble chromatin fraction. Pavlik EJ, et al. Endocrinology 1986 May;118(5):1924–34
Acceptor sites on chromatin for receptor bound by estrogen versus antiestrogen in antiestrogen–sensitive and –resistant MCF–7 cells. Singh RK, et al. Endocrinology 1986 Mar; 118(3):1087–95
In vivo and in vitro antiestrogenic action of 3–hydroxytamoxifen, tamoxifen and 4–hydroxytamoxifen. Löser R, et al. Eur J Cancer Clin Oncol 1985 Aug;

21(8):985–90
Influence of GYKI-13504, a new antioestrogen, on the responsiveness of isolated uterus removed from oestradiol pretreated rats to PGF2 alpha. Borvendég J, et al. **Exp Clin Endocrinol** 1985 Dec;86(3):368–70
No loss of estrogenic or anti-estrogenic activity after demethylation of droloxifene (3-OH-tamoxifen). Löser R, et al. **Int J Cancer** 1985 Dec 15;36(6):701–3
Hydroxy derivatives of tamoxifen. Foster AB, et al. **J Med Chem** 1985 Oct;28(10):1491–7
Structural studies on some tamoxifen derivatives. Kuroda R, et al. **J Med Chem** 1985 Oct;28(10):1497–503
Synthesis and receptor-binding affinity of fluorotamoxifen, a possible estrogen-receptor imaging agent. Shani J, et al. **J Med Chem** 1985 Oct;28(10):1504–11
Pyrimidinones. 3. N-substituted 6-phenylpyrimidinones and pyrimidinediones with diuretic/hypotensive and antiinflammatory activity. Skulnick HI, et al. **J Med Chem** 1986 Aug;29(8):1499–504
Characterization of the 4-hydroxytamoxifen (4-OHTAM) bound estrogen receptor of MCF-7 cells solubilized by micrococcal nuclease. Geier A, et al. **J Steroid Biochem** 1985 Nov;23(5A):547–51
Biological activities of tamoxifen aziridine, an antiestrogen-based affinity label for the estrogen receptor, in vivo and in vitro. Wei LL, et al. **J Steroid Biochem** 1985 Dec;23(6A):875–81
Additive and synergistic effects of a novel antiestrogen, toremifene (Fc-1157a), and human interferons on estrogen responsive MCF-7 cells in vitro. Kangas L, et al. **Med Biol** 1985;63(4):187–90
The interaction of dietary fat and antiestrogen treatment on DMBA-induced mammary tumors in the rat. King MM, et al. **Nutr Cancer** 1985;7(4):239–49
[Effect of hydroxy tamoxifens against human breast carcinomas transplanted into nude mice] Fukutomi T, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Feb 20;21(1):50–9 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Quantitative gas chromatographic determination of tamoxifen citrate in pharmaceuticals. Sane RT, et al. **J Chromatogr** 1985 Sep 6;331(2):432–6

METABOLISM

New evidence that the antiestrogen binding site may be a novel growth-promoting histamine receptor (?H3) which mediates the antiestrogenic and antiproliferative effects of tamoxifen. Brandes LJ, et al. **Biochem Biophys Res Commun** 1986 Jan 29;134(2):601–8
Aspects of metabolism of tamoxifen by rat liver microsomes. Identification of a new metabolite: E-1-[4-(2-dimethylaminoethoxy)-phenyl]-1, 2-diphenyl-1-buten-3-ol N-oxide. McCague R, et al. **Biochem Pharmacol** 1986 Mar 1;35(5):827–34
Comparative fates of clomiphene and tamoxifen in the immature female rat. Ruenitz PC, et al. **Drug Metab Dispos** 1985 Sep-Oct;13(5):582–6
The steady-state pharmacokinetics of tamoxifen and its metabolites in breast cancer patients. Soininen K, et al. **J Int Med Res** 1986;14(3):162–5
The bioavailability of Tamoplex (tamoxifen). Part 1. A pilot study. McVie JG, et al. **Methods Find Exp Clin Pharmacol** 1986 Aug;8(8):505–12
Determination of hormoneresponsive breast tumor cells by tamoxifen induced fluorescence. Moriquand J, et al. **Pathologica** 1985 May-Jun;77(1049):273–9

PHARMACODYNAMICS

The effect of oestriol and tamoxifen on oestradiol induced prolactin secretion in anaesthetised rats. Gilna P, et al. **Acta Endocrinol (Copenh)** 1986 May;112(1):71–8
Oestrogen agonistic effects of tamoxifen in the uterus of newborn guinea pigs after short and long treatment. Biological and histological studies. Pasqualini JR, et al. **Acta Endocrinol (Copenh)** 1986 Mar;111(3):378–86
Tamoxifen and ovarian differentiation in birds. Weniger JP, et al. **Arch Anat Microsc Morphol Exp** 1985;74(1):50–1
Evidence that tamoxifen is a histamine antagonist. Kroeger EA, et al. **Biochem Biophys Res Commun** 1985 Sep 16; 131(2):750–5
Identification of immunoassayable estrogen receptor lacking hormone binding ability in tamoxifen-treated rat uterus. Nakao M, et al. **Biochem Biophys Res Commun** 1985 Oct 15;132(1):336–42
Effect of tamoxifen, a nonsteroidal antiestrogen, on phospholipid/calcium-dependent protein kinase and phosphorylation of its endogenous substrate proteins from the rat brain and ovary. Su HD, et al. **Biochem Pharmacol** 1985 Oct 15;34(20):3649–53
Isomers of broparoestrol and antiestrogen action: comparison with tamoxifen. Edery M, et al. **Biomed Pharmacother** 1985; 39(6):326–30
Endocrine therapy testing of human breast cancers in the soft agar clonogenic assay. Osborne CK, et al. **Breast Cancer Res Treat** 1985;6(3):229–35
Influence of tamoxifen and estradiol on the growth of human breast cancer cells in vitro. Arafah BM, et al. **Cancer Res** 1986 Jul;46(7):3268–72
Endocrine-responsive pancreatic carcinoma: steroid binding and cytotoxicity studies in human tumor cell lines. Benz CC, et al. **Cancer Res** 1986 May;46(5):2276–81
Estrogen- and tamoxifen-induced rearrangement of cytoskeletal and adhesion structures in breast cancer MCF-7 cells. Sapino A, et al. **Cancer Res** 1986 May; 46(5):2526–31
Effect of tamoxifen on immune functions. Joensuu H, et al. **Cancer Treat Rep** 1986 Mar;70(3):381–2
The oestrogen antagonists, tamoxifen and FC-1157a, display oestrogen like effects on human lymphocyte functions in vitro. Paavonen T, et al. **Clin Exp Immunol** 1985 Aug; 61(2):467–74
Effects of tamoxifen on testosterone metabolism in postmenopausal women with breast cancer. Bird CE, et al. **Clin Invest Med** 1985;8(2):97–102
Effect of tamoxifen on H-Y antigen expression and gonadal development in chicken embryos. Koo GC, et al. **Differentiation** 1985;29(2):140–4
Inhibition of rat uterine gland genesis by tamoxifen. Branham WS, et al. **Endocrinology** 1985 Nov;117(5):2238–48
Effects of the antiestrogens tamoxifen and clomiphene on bone resorption in vitro. Stewart PJ, et al. **Endocrinology** 1986 Jan;118(1):125–31
Modulation of aromatase activity in human endometrial stromal cells by steroids, tamoxifen and RU 486. Tseng L, et al. **Endocrinology** 1986 Apr;118(4):1312–8
In vivo and in vitro antiestrogenic action of 3-hydroxytamoxifen, tamoxifen and 4-hydroxytamoxifen. Löser R, et al. **Eur J Cancer Clin Oncol** 1985 Aug; 21(8):985–90
Regulation of estrogen-stimulated lordosis behavior and hypothalamic progestin receptor induction by antiestrogens in female rats. Etgen AM, et al. **Horm Behav** 1986 Jun; 20(2):166–80
The anti-oestrogen tamoxifen does not interfere with the dopaminergic control of prolactin and TSH release in normogonadotrophic oligozoospermic man. van Bergeijk L, et al. **Horm Metab Res** 1986 Apr;18(4):272–6
Antiestrogen effects on human blood lymphocyte subpopulations in vitro. Baral E, et al. **J Clin Lab Immunol** 1985 May;17(1):33–5
Tamoxifen-citrate counteracts the antitumor effects of cytotoxic drugs in vitro. Hug V, et al. **J Clin Oncol** 1985 Dec;3(12):1672–7
Ultrastructural modifications provoked by tamoxifen either alone or combined with oestradiol in the uteri of fetal or newborn guinea-pigs. Pasqualini JR, et al. **J Endocrinol** 1986 Aug;110(2):197–202
Clomiphene and tamoxifen inhibit the cholesterol side-chain cleavage enzyme activity in hen granulosa cells. Asem EK, et al. **J Reprod Fertil** 1986 May;77(1):153–8
Sex-differentiated enzyme levels and oestrogen uptake in adult rats treated neonatally with tamoxifen or CI-628. Lamartiniere CA, et al. **J Steroid Biochem** 1986 Feb; 24(2):557–62
Biological responses of tamoxifen in the fetal and newborn vagina and uterus of the guinea-pig and in the R-27 mammary cancer cell line. Pasqualini JR, et al. **J Steroid Biochem** 1986 Jan;24(1):99–108
Triphenylethylenes: a new class of protein kinase C inhibitors. O'Brian CA, et al. **JNCI** 1986 Jun;76(6):1243–6
Protective effects of progesterone and tamoxifen in estrogen-induced mammary carcinogenesis in ovariectomized W/Fu rats. Inoh A, et al. **Jpn J Cancer Res** 1985 Aug;76(8):699–704
Oestrogen-like effect of tamoxifen on concentration of thyroxin-binding globulin [letter] Jensen IW. **Lancet** 1985 Nov 2;2(8462):1020–1
Pre- and postnatal influence of an estrogen antagonist and an androgen antagonist on differentiation of the sexually dimorphic nucleus of the preoptic area in male and female rats. Döhler KD, et al. **Neuroendocrinology** 1986; 42(5):443–8
Short-term effects of tamoxifen, medroxyprogesterone acetate, and their combination on receptor kinetics and 17 beta-hydroxysteroid dehydrogenase in human endometrium. Neumannová M, et al. **Obstet Gynecol** 1985 Nov;66(5):695–700
[Effect of tamoxifen and estrogens on breast cancer cell lines: MCF-7 and R-27, and on the uterus and vagina of fetal and newborn guinea-pigs] Pasqualini JR, et al. **Pathol Biol (Paris)** 1985 Dec;33(10):987–92 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Treatment of idiopathic oligozoospermia with tamoxifen. Brigante C, et al. **Acta Eur Fertil** 1985 Sep-Oct;16(5):361–4
Estrogen and progesterone receptor guideline for tamoxifen therapy in chronic lymphocytic leukemia: a pilot study. Zaniboni A, et al. **Acta Haematol (Basel)** 1986;75(2):92–5
Randomized trial of estrogen vs. tamoxifen therapy for advanced breast cancer. Matelski H, et al. **Am J Clin Oncol** 1985 Apr;8(2):128–33
Effect of lower versus higher doses of tamoxifen on pituitary-gonadal function and sperm indices in oligozoospermic men. Dony JM, et al. **Andrologia** 1985 Jul-Aug;17(4):369–78
Treatment of oligozoospermia with tamoxifen (open and controlled studies). Török L. **Andrologia** 1985 Sep-Oct; 17(5):497–501
Combination chemotherapy compared to tamoxifen as initial therapy for stage IV breast cancer in elderly women. Taylor SG 4th, et al. **Ann Intern Med** 1986 Apr; 104(4):455–61
Current status of hormonal therapy of fibrocystic breast disease. Dogliotti L, et al. **Ann NY Acad Sci** 1986; 464:350–63
Effects of aminoglutethimide plus hydrocortisone on the genital tract of postmenopausal women with advanced breast cancer. A clinical and cytologic survey. Budel VM, et al. **Anticancer Res** 1986 Jul-Aug;6(4):709–12
Tamoxifen and oligospermia. Noci I, et al. **Arch Androl** 1985; 15(1):83–8
Tamoxifen versus chemotherapy as adjuvant treatment in stage III breast cancer. Alagaratnam TT, et al. **Aust NZ J Surg** 1986 Jan;56(1):39–41
Regression of osteoblastic metastases from carcinoma of the prostate following therapy with tamoxifen. Amin R. **Br J Radiol** 1986 Jul;59(703):703–4
Complete regression of pulmonary metastases from malignant melanoma of the vulva following therapy with tamoxifen. Amin R. **Br J Radiol** 1986 Feb;59(698):171–3
Generic prescribing [letter] Hayward JL, et al. **Br Med J [Clin Res]** 1986 Mar 15;292(6522):762
Endocrine treatment of breast cancer: effects upon intratumoral estrone sulfate metabolism and peripheral steroid levels. Carlström K, et al. **Breast Cancer Res Treat** 1986;7 Suppl:S107–9
Adjuvant tamoxifen in postmenopausal breast cancer: preliminary results of a randomized trial. Delozier T, et al. **Breast Cancer Res Treat** 1986;7(2):105–9
The NIH Consensus Development Conference on Adjuvant Chemotherapy for Breast Cancer—a commentary. Lippman ME. **Breast Cancer Res Treat** 1985;6(3):195–200
Salvage treatment of patients suffering relapse after adjuvant CMF chemotherapy. Valagussa P, et al. **Cancer** 1986 Oct 1;58(7):1411–7
Oral high-dose medroxyprogesterone acetate versus tamoxifen. A randomized crossover trial in postmenopausal patients with advanced breast cancer. van Veelen H, et al. **Cancer** 1986 Jul 1;58(1):7–13
In vitro responsiveness of ovarian epithelial carcinomas to endocrine therapy. Runge HM, et al. **Cancer Chemother Pharmacol** 1986;16(1):58–63
Hormone steroid receptor variation after tamoxifen administration in endometrial adenocarcinoma from postmenopausal patients. Di Fronzo G, et al. **Cancer Detect Prev** 1986;9(3-4):323–30
Inhibition by 2-bromo-alpha-ergocriptine and tamoxifen of the growth of an estrogen-dependent transplantable pituitary tumor (MtT/F84) in F344 rats. Ito A, et al. **Cancer Res** 1985 Dec;45(12 Pt 1):6436–41
Role and mechanism of action of tamoxifen in premenopausal women with metastatic breast carcinoma. Sawka CA, et al. **Cancer Res** 1986 Jun;46(6):3152–6
Tamoxifen in advanced and recurrent uterine sarcomas: a phase II study. Gynecological Group, Clinical Oncological Society of Australia and the Cancer Institute, Melbourne, Australia. **Cancer Treat Rep** 1986 Jun;70(6):811–2
Ineffectiveness of tamoxifen in advanced endometrial carcinoma after failure of progestin treatment. Edmonson JH, et al. **Cancer Treat Rep** 1986 Aug;70(8):1019–20
Tamoxifen in the treatment of refractory adenocarcinoma of the cervix. Kavanagh JJ, et al. **Cancer Treat Rep** 1986 Jul;70(7):923–4
Effect of tamoxifen and D,L-2-difluoromethylornithine on the growth, ornithine decarboxylase activity and polyamine content of mammary carcinomas induced by 1-methyl-1-nitrosoures. Thompson HJ, et al. **Carcinogenesis** 1986 May;7(5):837–40
Tamoxifen responders selection by computerized contact thermography in benign breast disease. Cupceancu B, et al. **Endocrinologie** 1986 Apr-Jun;24(2):115–22
Combined tamoxifen-lynestrenol treatment in benign breast disease. Cupceancu B. **Endocrinologie** 1985 Oct-Dec; 23(4):265–72
Effect of tamoxifen on the receptor-positive T61 and the receptor-negative T60 human breast carcinomas grown in nude mice. Brünner N, et al. **Eur J Cancer Clin Oncol** 1985 Nov;21(11):1349–54
Adjuvant hormonotherapy for breast cancer. Grem JL, et al. **Eur J Cancer Clin Oncol** 1986 Mar;22(3):235–9
Effect of tamoxifen on steroid hormone receptors and creatine kinase activity in human endometrial carcinoma. Iacobelli S, et al. **Eur J Cancer Clin Oncol** 1986 Jan; 22(1):105–10
The Christie Hospital tamoxifen (Nolvadex) adjuvant trial for operable breast carcinoma—7-yr results. Ribeiro G, et al. **Eur J Cancer Clin Oncol** 1985 Aug;21(8):897–900
A phase II study of tamoxifen in ovarian cancer. Slevin ML, et al. **Eur J Cancer Clin Oncol** 1986 Mar;22(3):309–12
A study of endometrial adenocarcinoma treated with tamoxifen by scanning and transmission electron microscopy. Rigano A, et al. **Eur J Gynaecol Oncol** 1985; 6(3):176–82
Antiestrogen therapy in pancreatic carcinoma: a preliminary report. Tønnesen K, et al. **Eur J Surg Oncol** 1986 Mar; 12(1):69–70
Pregnancy after combined treatment with bromocriptine and tamoxifen in two patients with pituitary prolactinomas. Koizumi K, et al. **Fertil Steril** 1986 Aug;46(2):312–4
Management of breast cancer with hormones and drugs. Lippman ME. **Hosp Pract [Off]** 1986 May 15;21(5):119–27, 131
A randomized trial in postmenopausal patients with advanced

breast cancer comparing endocrine and cytotoxic therapy given sequentially or in combination. The Australian and New Zealand Breast Cancer Trials Group, Clinical Oncological Society of Australia. **J Clin Oncol** 1986 Feb; 4(2):186–93

Adjuvant chemoendocrine therapy in breast cancer. Bonadonna G, et al. **J Clin Oncol** 1986 Apr;4(4):451–4

A randomized comparison of tamoxifen with surgical oophorectomy in premenopausal patients with advanced breast cancer. Buchanan RB, et al. **J Clin Oncol** 1986 Sep; 4(9):1326–30

Adjuvant chemotherapy with and without tamoxifen in the treatment of primary breast cancer: 5-year results from the National Surgical Adjuvant Breast and Bowel Project Trial. Fisher B, et al. **J Clin Oncol** 1986 Apr;4(4):459–71

Randomized trial of tamoxifen alone or combined with aminoglutethimide and hydrocortisone in women with metastatic breast cancer. Ingle JN, et al. **J Clin Oncol** 1986 Jun;4(6):958–64

Randomized trial of bilateral oophorectomy versus tamoxifen in premenopausal women with metastatic breast cancer. Ingle JN, et al. **J Clin Oncol** 1986 Feb;4(2):178–85

Tamoxifen in the treatment of advanced breast cancer. Clinical experience at Siriraj Hospital. Tepmongkol P, et al. **J Med Assoc Thai** 1986 Feb;69(2):96–102

Chemotherapy with or without tamoxifen in postmenopausal patients with late breast cancer. A randomized study. Boccardo F, et al. **J Steroid Biochem** 1985 Dec; 23(6B):1123–7

Increasing the response rate to cytotoxic chemotherapy by endocrine means. Lippman ME, et al. **J Steroid Biochem** 1985 Dec;23(6B):1173–80

Combined cytotoxic and endocrine therapy in postmenopausal patients with advanced breast cancer. A randomized EORTC study of CMF vs CMF + tamoxifen. Mouridsen HT, et al. **J Steroid Biochem** 1985 Dec; 23(6B):1141–6

Chemotherapy with cyclophosphamide, adriamycin, and 5-fluorouracil compared to chemotherapy plus hormonal therapy with tamoxifen in the treatment of advanced breast cancer: an interim analysis. Perry MC, et al. **J Steroid Biochem** 1985 Dec;23(6B):1135–40

Adjuvant tamoxifen treatment in postmenopausal patients with operable breast cancer. Wallgren A, et al. **J Steroid Biochem** 1985 Dec;23(6B):1161–2

Tamoxifen prophylaxis [letter] **Lancet** 1986 Feb 1; 1(8475):263–5

Tamoxifen for benign breast disease [editorial] **Lancet** 1986 Feb 8;(8476):305

Tamoxifen and non-malignant indications [letter] Diver JM, et al. **Lancet** 1986 Mar 29;1(8483):733

Double-blind controlled trial of tamoxifen therapy for mastalgia. Fentiman IS, et al. **Lancet** 1986 Feb 8; (8476):287–8

Tamoxifen prophylaxis for women at high risk of breast cancer [letter] Gazet JC. **Lancet** 1985 Nov 16;2(8464):1119

Tamoxifen for mastalgia [letter] Smallwood JA, et al. **Lancet** 1986 Mar 22;1(8482):680–1

Sequential treatment of metastatic breast cancer with tamoxifen after megestrol acetate therapy and vice versa (a retrospective study). Alexieva-Figusch J, et al. **Med Oncol Tumor Pharmacother** 1985;2(2):69–75

Treatment of gynecomastia with tamoxifen: a double-blind crossover study. Parker LN, et al. **Metabolism** 1986 Aug; 35(8):705–8

Tumor lysis syndrome after tamoxifen flare [letter] Cech P, et al. **N Engl J Med** 1986 Jul 24;315(4):263–4

The interaction of dietary fat and antiestrogen treatment on DMBA-induced mammary tumors in the rat. King MM, et al. **Nutr Cancer** 1985;7(4):239–49

Tamoxifen and breast cancer [letter] Allen EP. **NZ Med J** 1985 Oct 9;98(788):865

Tamoxifen therapy of epithelial ovarian cancer. Shirey DR, et al. **Obstet Gynecol** 1985 Oct;66(4):575–8

Hormonal changes during a prolonged tamoxifen treatment in patients with advanced breast cancer. Számel I, et al. **Oncology** 1986;43(1):7–11

Metastatic breast cancer: preliminary results with oral hormonal therapy. Allegra JC, et al. **Semin Oncol** 1985 Dec;12(4 Suppl 6):61–4

Calcified intracranial metastases from breast carcinoma with a therapeutic response to tamoxifen therapy. Murray JJ, et al. **South Med J** 1986 Feb;79(2):253–4

Chemotherapy for breast cancer. Part 1. Hill GJ. **W Va Med J** 1986 Jul;82(7):221–5

Anti-estrogen treatment of postmenopausal breast cancer patients with high risk of recurrence: 72 months of life-table analysis and steroid hormone receptor status. Rose C, et al. **World J Surg** 1985 Oct;9(5):765–74

Six-year results of a controlled trial of tamoxifen as single adjuvant agent in management of early breast cancer. Wilson AJ, et al. **World J Surg** 1985 Oct;9(5):756–64

[Treatment of male infertility with the preparation tamoxifen] Tsvetkov D. **Akush Ginekol (Sofiia)** 1985;24(5):64–8 (Eng. Abstr.) **(Bul)**

[Adjuvant chemotherapy and chemo-hormonal therapy of breast cancer patients (a preliminary report)] Marinov L, et al. **Khirurgiia (Sofiia)** 1986;39(2):23–7 **(Bul)**

[Randomized trial of elliptinium acetate and tamoxifen in the treatment of inoperable hepatocellular carcinoma (letter)] Jouanolle H, et al. **Gastroenterol Clin Biol** 1986 Feb; 10(2):185–7 **(Fre)**

[Value of hormone therapy in metastasizing breast cancer] Samonigg H. **Wien Med Wochenschr** 1985 Dec 31; 135(23–24):602–7 (Eng. Abstr.) **(Ger)**

[Hormone therapy of metastasizing breast cancer with tamoxifen] Köhler A, et al. **Z Gesamte Inn Med** 1986 Jan 1;41(1):6–9 (Eng. Abstr.) **(Ger)**

[Effect of tamoxifen in oligospermia] Bertello P, et al. **Minerva Endocrinol** 1985 Oct-Dec;10(4):211–6 (Eng. Abstr.) **(Ita)**

[Adjuvant hormone therapy of breast neoplasms. A critical review of the literature and perspectives] Boccardo F, et al. **Minerva Ginecol** 1986 Jul-Aug;38(7–8):659–65 (Eng. Abstr.) **(Ita)**

[Hormonal therapy of endometrial cancer] Kato J. **Gan No Rinsho** 1985 Jul;31(9 Suppl):1182–8 (Eng. Abstr.) **(Jpn)**

[Hormone therapy of breast cancer–its role in the treatment of breast cancer] Koyama H, et al. **Gan No Rinsho** 1985 Jul;31(9 Suppl):1177–81 (Eng. Abstr.) **(Jpn)**

[Endocrine therapy of scirrhous carcinoma of the stomach] Kojima O, et al. **Gan To Kagaku Ryoho** 1986 Aug; 13(8):2526–31 (Eng. Abstr.) **(Jpn)**

[Histopathological changes in endometrial cancer treated with tamoxifen] Lin HH, et al. **Gan To Kagaku Ryoho** 1986 Apr;13(4 Pt 1):1038–43 (Eng. Abstr.) **(Jpn)**

[Effect of treatment with tamoxifen on serum levels of various steroid and protein hormones in women with breast cancer] Grodecka-Gazdecka S, et al. **Endokrynol Pol** 1985; 36(6):341–8 (Eng. Abstr.) **(Pol)**

[Evaluation of tamoxifen in the treatment of female patients with advanced breast cancer] Pieńkowska F, et al. **Nowotwory** 1985 Apr-Jun;35(2):137–44 (Eng. Abstr.) **(Pol)**

[Evaluation of the treatment of advanced breast cancer with tamoxifen] Wieckowska Z. **Pol Tyg Lek** 1985 Aug 26; 40(34):967–71 **(Pol)**

[Steroid hormone receptors and cellular proliferative activity following the short-term use of tamoxifen and chlorotrianisene in breast cancer] Vyshinskaia GV, et al. **Eksp Onkol** 1985;7(5):66–8 (Eng. Abstr.) **(Rus)**

TAMPONS

Absorption of menstrual discharge by tampons inserted during menstruation: quantitative assessment of blood and total fluid content. Levin RJ, et al. **Br J Obstet Gynaecol** 1986 Jul;93(7):765–72

Microscopic evaluation of vaginitis from a menstrual tampon. Anderson JL, et al. **J Am Coll Health** 1985 Dec;34(3):123–6

Pelvic tamponade in puerperal hemorrhage. A case report. Cassels JW Jr, et al. **J Reprod Med** 1985 Sep;30(9):689–92

Anterior epistaxis: a new nasal tampon for fast, effective control. Doyle DE. **Laryngoscope** 1986 Mar;96(3):279–81

Management of epistaxis by packing. Mabry RL. **Otolaryngol Head Neck Surg** 1986 Mar;94(3):401–3

[In vitro production of toxic shock toxin by Staphylococcus aureus in tampons] Fujikawa H, et al. **Kansenshogaku Zasshi** 1985 Jul;59(7):674–9 (Eng. Abstr.) **(Jpn)**

[Proposals for tamponment in epistaxis] Hirizescu D, et al. **Rev Chir [Otorinolaringol]** 1985 Oct-Dec;30(4):301–6 (Eng. Abstr.) **(Rum)**

ADVERSE EFFECTS

Toxic shock syndrome, contraceptive methods, and vaginitis. Lanes SF, et al. **Am J Obstet Gynecol** 1986 May; 154(5):989–91

Toxic shock syndrome presenting to a paediatric service. Hughes PF, et al. **Aust NZ J Obstet Gynaecol** 1985 Nov; 25(4):292–5

Toxic shock syndrome toxin [letter] Hanna BA, et al. **JAMA** 1985 Oct 18;254(15):2062

Complications of nasal packing. Fairbanks DN. **Otolaryngol Head Neck Surg** 1986 Mar;94(3):412–5

The pathology of tampon usage and of the toxic shock syndrome. Fox H. **Postgrad Med J** 1985;61 Suppl 1:31–3

UTILIZATION

Tampon use in women with endometriosis. Lamb K, et al. **J Community Health** 1985 Winter;10(4):215–25

TANGIER DISEASE see under **HYPOLIPOPROTEINEMIA**

TANNIC ACID see under **TANNINS**

TANNING

Cancer mortality among leather tanners. Edling C, et al. **Br J Ind Med** 1986 Jul;43(7):494–6

Bladder cancer and occupational exposure to leather. Marrett LD, et al. **Br J Ind Med** 1986 Feb;43(2):96–100

Ultraviolet-induced pigmentary changes: benefits and hazards. Fitzpatrick TB. **Curr Probl Dermatol** 1986; 15:25–38 (24 ref.)

Comparative protection efficiency of UVA- and UVB-induced tans against erythema and formation of endonuclease-sensitive sites in DNA by UVB in human skin. Gange RW, et al. **J Invest Dermatol** 1985 Oct; 85(4):362–4

Mortality among retired fur workers. Dyers, dressers (tanners) and service workers. Sweeney MH, et al. **Scand J Work Environ Health** 1985 Aug;11(4):257–64

[Investigation of the exposure to solvents in leather goods workers in the Florence area] Bavazzano P, et al. **G Ital Med Lav** 1985 Jul;7(4):153–6 (Eng. Abstr.) **(Ita)**

TANNINS

Some limitations of the use of tannic acid as a marker of damaged skeletal muscle fibres. Cottell DC, et al. **J Microsc** 1985 Sep;139 (Pt 3):331–4

Tannin-protein interactions. Hagerman AE, et al. **Prog Clin Biol Res** 1986;213:67–76 (21 ref.)

ADVERSE EFFECTS

Toxicity to endothelial cells mediated by cotton bract tannin. Potential contribution to the pathogenesis of byssinosis. Johnson CM, et al. **Am J Pathol** 1986 Mar;122(3):399–409

ANALYSIS

Relationship of the structures of tannins to the binding activities with hemoglobin and methylene blue. Okuda T, et al. **Chem Pharm Bull (Tokyo)** 1985 Apr;33(4):1424–33

Methanol extract of grain dust shows complement fixing activity and other characteristics similar to tannic acid. Skea D, et al. **Environ Health Perspect** 1986 Apr;66:155–8

[Seasonal variations of several important constituents in the leaves of Rhododendron przewalskii] Liu LJ. **Chung Yao Tung Pao** 1986 Jan;11(1):41–3 **(Chi)**

[Food value of field beans for chickens and evaluation of various portions with special reference to the tannin-poor sort in broiler fattening food] Jeroch H, et al. **Arch Tierernahr** 1985 Nov;35(11):817–24 (Eng. Abstr.) **(Ger)**

METABOLISM

The role of condensed tannins in the nutritional value of Lotus pedunculatus for sheep. Rates of body and wool growth. Barry TN. **Br J Nutr** 1985 Jul;54(1):211–7

PHARMACODYNAMICS

Protection by plasma proteins against condensed tannin-mediated platelet activation. Rohrbach MS, et al. **Biochem Med** 1985 Oct;34(2):189–94

Study of the genotoxicity of the total aqueous extract of betel nut and its tannin. Panigrahi GB, et al. **Carcinogenesis** 1986 Jan;7(1):37–9

Inhibitory effects of tannins on hyaluronidase activation and on the degranulation from rat mesentery mast cells. Kakegawa H, et al. **Chem Pharm Bull (Tokyo)** 1985 Nov; 33(11):5079–82

Studies on dental caries prevention by traditional medicines. VIII. Inhibitory effect of various tannins on glucan synthesis by glucosyltransferase from Streptococcus mutans. Kakiuchi N, et al. **Chem Pharm Bull (Tokyo)** 1986 Feb;34(2):720–5

Effect of rhatannin on the incorporation of precursors into proteins and ribonucleic acids of rat liver. Nagasawa T, et al. **Chem Pharm Bull (Tokyo)** 1985 Oct;33(10):4494–9

Anti-inflammatory actions of tannins isolated from the bark of Anacardium occidentale L. Mota ML, et al. **J Ethnopharmacol** 1985 Jul;13(3):289–300

Inhibitory effect of tannins on reverse transcriptase from RNA tumor virus. Kakiuchi N, et al. **J Nat Prod** 1985 Jul-Aug;48(4):614–21

Antihypertensive substance in seeds of Areca catechu L. Inokuchi J, et al. **Life Sci** 1986 Apr 14;38(15):1375–82

Tannin is the major agent present in cotton mill dust responsible for human platelet 5-hydroxytryptamine secretion and thromboxane formation. Rohrbach MS, et al. **Lung** 1986;164(4):187–97

Pharmacological actions of tannic acid. I. Effects on isolated smooth and cardiac muscles and on blood pressure. Calixto JB, et al. **Planta Med** 1986 Feb;(1):32–5

THERAPEUTIC USE

Antihepatotoxic actions of tannins. Hikino H, et al. **J Ethnopharmacol** 1985 Sep;14(1):19–29

[Effects of tannins and some related compounds on ethanol-induced gastric lesions in the rat] Tani S, et al. **Yakugaku Zasshi** 1986 Apr;106(4):347–9 (Eng. Abstr.) **(Jpn)**

TOXICITY

Detoxification of high tannin sorghum grains. Teeter RG, et al. **Poult Sci** 1986 Jan;65(1):67–71

TANTALUM

Tantalum markers in radiography. An assessment of tissue reactions. Aronson AS, et al. **Skeletal Radiol** 1985; 14(3):207–11

TAPE RECORDING

Changing attitudes toward older persons with hearing loss: comparison of two audiotapes. Dampier K, et al. **Am Ann Deaf** 1985 Oct;130(4):267–71

A device for unobtrusive surveillance of home relaxation practice. Lichstein KL, et al. **Behav Modif** 1986 Apr; 10(2):219–33

Recording Doppler blood flow signals on magnetic tape. Smallwood RH. Clin Phys Physiol Meas 1985 Nov; 6(4):357–9
The use of audiotapes in psychotherapy. Perr HM. J Am Acad Psychoanal 1985 Jul;13(3):391–8
Audio-taped exposure therapy in a case of obsessional neurosis. Thyer BA. J Behav Ther Exp Psychiatry 1985 Sep;16(3):271–3
Rollover measurements with Auditec NU-6 word lists. Meyer DH, et al. J Speech Hear Disord 1985 Nov; 50(4):356–60
Teaching medical history-taking: a comparison between the use of audio- and videotapes. Mir MA, et al. Med Educ 1986 Mar;20(2):102–8

INSTRUMENTATION

An inexpensive digital tape recorder suitable for neurophysiological signals. Lamb TD. J Neurosci Methods 1985 Oct;15(1):1–13

TAPE RECORDING, VIDEO see VIDEOTAPE RECORDING

TAPEWORM INFECTION see CESTODE INFECTIONS

TAPEWORMS see CESTODA

TARICHA see SALAMANDRIDAE

TARICHATOXIN see TETRODOTOXIN

TARS

Unibase and triple antibiotic ointment for hardened tar removal [letter] Levy DB, et al. Ann Emerg Med 1986 Jun; 15(6):765–6
The metal-mediated formation of hydroxyl radical by aqueous extracts of cigarette tar. Cosgrove JP, et al. Biochem Biophys Res Commun 1985 Oct 15;132(1):390–6
Phlegm production and lung function among cigarette smokers changing tar groups during the 1970s. Peach H, et al. J Epidemiol Community Health 1986 Jun;40(2):110–6
Low-tar cigarettes put to the test [letter] Holland WW, et al. Lancet 1986 Jul 19;2(8499):156
Future of low-tar cigarettes [letter] Simpson D. Lancet 1985 Dec 14;2(8468):1359–60

ADMINISTRATION & DOSAGE

Reduced tar, nicotine, and carbon monoxide exposure while smoking ultralow- but not low-yield cigarettes. Benowitz NL, et al. JAMA 1986 Jul 11;256(2):241–6
[Suppression of dithranol erythema by the addition of tar in short-term therapy] Wozel G, et al. Dermatol Monatsschr 1985;171(12):818–9 (Ger)

ADVERSE EFFECTS

Respiratory effects in relation to estimated tar exposure from current and cumulative cigarette consumption. Paoletti P, et al. Chest 1985 Dec;88(6):849–55
Tar yields of cigarettes and the risk of oesophageal cancer. La Vecchia C, et al. Int J Cancer 1986 Sep 15;38(3):381–5
Is tar atrophy really fibroblast and ground substance damage? [letter] Stone O. Int J Dermatol 1986 Jun;25(5):334–5
Mortality of aluminum reduction plant workers, 1950 through 1977. Gibbs GW. J Occup Med 1985 Oct;27(10):761–70
An indoor air quality standard for ambient tobacco smoke based on carcinogenic risk. Repace JL, et al. NY State J Med 1985 Jul;85(7):381–3
Star wars versus tar wars. Davis JM. Pa Med 1986 Jul; 89(7):30
Respiratory morbidity in smokers of low- and high-yield cigarettes. Petitti DB, et al. Prev Med 1985 Mar; 14(2):217–25

ANALYSIS

Some short-term effects of changing to lower yield cigarettes. Minty BD, et al. Chest 1985 Oct;88(4):531–6
Isolation of a highly mutagenic aminophenanthrene from a coal gasification process tar. Haugen DA, et al. Environ Res 1986 Feb;39(1):60–73
Development of machine smoking parameters for measurement of cigarette tar yield in the United Kingdom. Johnson JC. J Assoc Off Anal Chem 1986 Jul–Aug; 69(4):598–600
Reduction of tar, nicotine and carbon monoxide intake in low tar smokers. Russell MA, et al. J Epidemiol Community Health 1986 Mar;40(1):80–5
Smoking habits and tar levels in a new American Cancer Society prospective study of 1.2 million men and women. Stellman SD, et al. JNCI 1986 Jun;76(6):1057–63
Is there a future for lower-tar-yield cigarettes? Participants of the Fourth Scarborough Conference on Preventive Medicine. Lancet 1985 Nov 16;2(8464):1111–4
Low-tar cigarettes and future mortality [letter] Anderson K, et al. Lancet 1986 Jan 25;1(8474):209
Changes in overwrap and butt length of American filter cigarettes. An influence on reported tar yields. Grunberg NE, et al. NY State J Med 1985 Jul;85(7):310–2
Estimates of maximum or average cigarette tar, nicotine, and carbon monoxide yields can be obtained from yields under standard conditions. Rickert WS, et al. Prev Med 1986 Jan; 15(1):82–91
Characterization of tobacco products: a comparative study of the tar, nicotine, and carbon monoxide yields of cigars, manufactured cigarettes, and cigarettes made from fine-cut tobacco. Rickert WS, et al. Prev Med 1985 Mar; 14(2):226–33
[Lung cancer and cigarette tar in Denmark] Prener A, et al. Ugeskr Laeger 1985 Dec 16;147(51):4221–7 (Eng. Abstr.) (Dan)

TOXICITY

Cigarette tar causes single-strand breaks in DNA. Borish ET, et al. Biochem Biophys Res Commun 1985 Dec 17; 133(2):780–6
Mutagenicity of the fractionated organic emissions from diesel, cigarette smoke condensate, coke oven, and roofing tar in the Ames assay. Austin AC, et al. Environ Mutagen 1985;7(4):471–87
Metabolic activation of organic extracts from diesel, coke oven, roofing tar, and cigarette smoke emissions in the Ames assay. Williams K, et al. Environ Mutagen 1985; 7(4):489–500

TARSAL BONES

Observations of tarsal disintegration in the cases operated for foot-drop. Kulkarni VN, et al. Indian J Lepr 1985 Jul–Sep;57(3):598–600
[Isoxsuprin therapy in horses with podotrochlosis and arthroses of the toe joints] Stanek C, et al. Berl Munch Tierarztl Wochenschr 1986 Feb 1;99(2):47–51 (Eng. Abstr.) (Ger)
[Microscopic study of the ligaments of the sinus and canal of the tarsus by immunofluorescence] De Palma L, et al. Arch Putti Chir Organi Mov 1984;34:39–45 (Eng. Abstr.) (Ita)

ABNORMALITIES

Diagnosis of tarsal coalition with computed tomography. Pineda C, et al. Clin Orthop 1986 Jul;(208):282–8
The accessory navicular synchondrosis. Sella EJ, et al. Clin Orthop 1986 Aug;(209):280–5
Computerized tomography of talocalcaneal tarsal coalition: a clinical and anatomic study. Herzenberg JE, et al. Foot Ankle 1986 Jun;6(6):273–88
Tarsal coalition and its relation to peroneal spastic flatfoot. Agostinelli JR. J Am Podiatr Med Assoc 1986 Feb; 76(2):76–80
Symptomatic calcaneonavicular bars. The results 20 years after surgical excision. Inglis G, et al. J Bone Joint Surg [Br] 1986 Jan;68(1):128–31
Tarsal coalitions. Perlman MD, et al. J Foot Surg 1986 Jan–Feb;25(1):58–67
Skewfoot (forefoot adduction with heel valgus). Peterson HA. J Pediatr Orthop 1986 Jan–Feb;6(1):24–30
Case report 341: Os accessorium supracalcaneum of the left hind foot (also present, but to a lesser extent, on the right). Milgrom C, et al. Skeletal Radiol 1986;15(2):150–3

ANATOMY & HISTOLOGY

Cancellous structure of tarsal bones. Sinha DN. J Anat 1985 Jan;140 (Pt 1):111–7

BLOOD SUPPLY

[The treatment of podotrochilosis with oral anticoagulants. An instruction insert desired] van den Bogaard AE Jr, et al. Tijdschr Diergeneeskd 1985 Aug 15;110(15–16):585–95 (Eng. Abstr.) (Dut)

INJURIES

Stress fracture of the navicular bone. Nine cases in athletes. Hulkko A, et al. Acta Orthop Scand 1985 Dec;56(6):503–5
Bi- and trimalleolar ankle fractures operated with nonrigid internal fixation. Olerud C, et al. Clin Orthop 1986 May; (206):253–60
Clinical assessment of apparently sprained ankle and detection of fracture. Montague AP, et al. Injury 1985 Sep; 16(8):545–6
Transverse tarsal navicular fracture. A case report. Holmes EC, et al. J Am Podiatr Med Assoc 1986 Jan;76(1):43–6
Bilateral recurrent subtalar dislocation. Case report. Janssen T, et al. J Bone Joint Surg [Am] 1985 Dec;67(9):1432–3
Transcuneiform fracture—cuboid dislocation of the midfoot. Buscemi MJ Jr, et al. J Trauma 1986 Mar;26(3):290–2
[Bone scintigraphy in the pathology of the hindfoot] Bergmann P, et al. Rev Med Brux 1986 May;7(5):289–95 (Eng. Abstr.) (Fre)
[Stress fractures of the navicular bone of the foot] Graff KH, et al. Z Orthop 1986 Mar–Apr;124(2):228–37 (Eng. Abstr.) (Ger)

RADIOGRAPHY

CT scanning of the foot and ankle: 2. Clinical applications and review of the literature. Solomon MA, et al. AJR 1986 Jun;146(6):1204–14
Axial computed tomographic anatomy of the foot. Part II: Midfoot. Sartoris DJ, et al. J Foot Surg 1985 Nov–Dec; 24(6):413–30
Hematogenous osteomyelitis of the tarsal navicular bone. D'Amato CR, et al. J Med Soc NJ 1985 Aug;82(8):644–7
Osteoid osteoma of the foot: presentation following trauma [clinical conference] Ambrosia JM, et al. Orthopedics 1985 May;8(5):684–5
[Bilateral osteochondritis dissecans of the tarsal navicular] Walther-Larsen S, et al. Ugeskr Laeger 1985 Nov 18; 147(47):3816 (Eng. Abstr.) (Dan)
[Case report of osteochondrosis dissecans of the navicular bone] Richter R, et al. ROFO 1985 Dec;143(6):728–9 (Ger)

SURGERY

Lisfranc fracture dislocation. A variation. Wargon CA, et al. J Am Podiatr Med Assoc 1986 Aug;76(8):466–8
The Batchelor-Grice extra-articular subtalar arthrodesis. Hsu LC, et al. J Bone Joint Surg [Br] 1986 Jan;68(1):125–7
A new technique for tenodesis of the tibialis posterior in the Kidner procedure. Zinsmeister B, et al. J Foot Surg 1985 Nov–Dec;24(6):442–4

TARSAL JOINT

Delayed tarsometatarsal joint dislocation following forefoot injury. Wynne AT, et al. Orthopedics 1986 Jan;9(1):52–4
[Chondromatosis of the tarsal joint in a 5-year-old boy] Leydo R. Chir Narzadow Ruchu Ortop Pol 1985;50(3):255–7 (Eng. Abstr.) (Pol)

INJURIES

Open reduction in depressed fractures of the os calcis. Harding D, et al. Clin Orthop 1985 Oct;(199):124–31
Occult midtarsal subluxation. Howie CR, et al. Clin Orthop 1986 Aug;(209):206–9

PATHOLOGY

Rupture of the intercondylar ligament in intertarsal joints of broiler fowls. Duff SR. J Comp Pathol 1986 Mar; 96(2):159–69

PHYSIOLOGY

The normal range of subtalar inversion and eversion in young males as measured by three different techniques. Milgrom C, et al. Foot Ankle 1985 Dec;6(3):143–5

PHYSIOPATHOLOGY

[Electrogoniometric studies of knee and foot movements in level walking of children surgically treated for congenital clubfoot] Marciniak W, et al. Chir Narzadow Ruchu Ortop Pol 1985;50(5):373–7 (Eng. Abstr.) (Pol)

RADIOGRAPHY

The constraint-mechanism of the human tarsus. A roentgenological experimental study. Benink RJ. Acta Orthop Scand [Suppl] 1985;215:1–135
CT scanning of the foot and ankle: 2. Clinical applications and review of the literature. Solomon MA, et al. AJR 1986 Jun;146(6):1204–14
Computerized tomography as a diagnostic aid in a middle facet talocalcaneal coalition. Migliori V, et al. J Am Podiatr Med Assoc 1985 Sep;75(9):490–2
[Radio-clinical aspects of the back of the foot and ankle in rheumatoid arthritis] Wouters M. Rev Med Brux 1986 May; 7(5):297–8 (Eng. Abstr.) (Fre)
[Calcareous tendinitis of the long peroneal tendon] Freund KG, et al. Tidsskr Nor Laegeforen 1986 Jun 10; 106(16):1383–4 (Eng. Abstr.) (Nor)

SURGERY

The operative treatment of fractures of the os calcis. Ross SD, et al. Clin Orthop 1985 Oct;(199):132–43
Technique tips: footings. Arthrodesis—talonavicular joint. Gould N. Foot Ankle 1985 Dec;6(3):153–5
Sinus tarsi synovectomy. A possible alternative to a subtalar joint fusion. Fried A, et al. J Am Podiatr Med Assoc 1985 Sep;75(9):494–7
Prosthetic procedures of the joints of the ankle and foot. Gold RH, et al. Semin Roentgenol 1986 Jan;21(1):75–83
[Original treatment of luxation of Lisfranc's joint] Loup J. J Chir (Paris) 1985 Oct;122(10):585–6 (Eng. Abstr.) (Fre)
[Pes planus taloflexus congenitus—results of surgical treatment by the method of peritalar repositioning] Napiontek M, et al. Chir Narzadow Ruchu Ortop Pol 1985; 50(6):475–81 (Eng. Abstr.) (Pol)

TARSAL TUNNEL SYNDROME

COMPLICATIONS

Relief of low back pain from treatment of tarsal tunnel syndrome. Romansky NM, et al. J Foot Surg 1986 Jul–Aug; 25(4):327–9

DIAGNOSIS

Lumbosacral radiculopathy [letter] Kim SM. Arch Phys Med Rehabil 1985 Oct;66(10):722
The tarsal tunnel syndrome: a report of eight cases. Ricciardi-Pollini PT, et al. Foot Ankle 1985 Dec;6(3):146–9
The near-nerve sensory nerve conduction in tarsal tunnel

syndrome. Oh SJ, et al. **J Neurol Neurosurg Psychiatry** 1985 Oct;48(10):999–1003

Tarsal tunnel syndrome: a case report and review of the literature [letter] Kraft GH. **Orthopedics** 1986 Jan;9(1):32

Tarsal tunnel syndrome. A case report and review of the literature. O'Malley GM, et al. **Orthopedics** 1985 Jun; 8(6):758–60

[Tarsal tunnel syndrome] Castro WH, et al. **Ned Tijdschr Geneeskd** 1985 Nov 2;129(44):2114–7 (Eng. Abstr.) (Dut)

[Tarsal tunnel syndrome (letter)] Ijkelenstam PA. **Ned Tijdschr Geneeskd** 1986 Feb 15;130(7):322–3 (Dut)

[Current concepts of the tarsal sinus syndrome] Arias C, et al. **Rev Med Brux** 1986 May;7(5):323–6 (Eng. Abstr.) (Fre)

[Syndromes of compression of the distal tract of the deep peroneal nerve] Gessini L, et al. **Riv Neurobiol** 1984 Oct–Dec;30(4):643–56 (Eng. Abstr.) (Ita)

ETIOLOGY

A correlation between os trigonum syndrome and tarsal tunnel syndrome. Havens RT, et al. **J Am Podiatr Med Assoc** 1986 Aug;76(8):450–4

Iatrogenic posterior tibial neurothlipsis: a tarsal tunnel syndrome. Evans C, et al. **J Foot Surg** 1986 May–Jun; 25(3):194–6

FAMILIAL & GENETIC

Familial carpal and tarsal tunnel syndrome [letter] Fowler CP, et al. **J Neurol Neurosurg Psychiatry** 1986 Jun; 49(6):717–8

TARSIIDAE see **PROSIMII**

TARSIUS see **PROSIMII**

TARSUS, ANIMAL see under **HINDLIMB**

TARTRATES

N-N' diallyltartardiamide (DATD) as a cross-linking agent for polyacrylamide gel disc electrophoresis of human serum proteins. Kelkar RS, et al. **J Postgrad Med** 1986 Jan; 32(1):27–31

ANALYSIS

Procedure for the simultaneous determination of tartaric and citric acids and total carbonate by potentiometric titrimetry and its application to antacid analysis. de Souza NE, et al. **Analyst** 1985 Aug;110(8):989–91

Interactions in the solid state. I: Interactions of sodium bicarbonate and tartaric acid under compressed conditions. Usui F, et al. **J Pharm Sci** 1985 Dec;74(12):1293–7

PHARMACODYNAMICS

Acid phosphatase activity in mononuclear phagocytes and the U937 cell line: monocyte-derived macrophages express tartrate-resistant acid phosphatase. Snipes RG, et al. **Blood** 1986 Mar;67(3):729–34

Tartrate-resistant acid phosphatase in human alveolar macrophages. Efstratiadis T, et al. **Enzyme** 1985;34(3):140–3

Immunocytochemical localization of a tartrate-resistant and vanadate-sensitive acid nucleotide tri- and diphosphatase. Andersson GN, et al. **J Histochem Cytochem** 1986 Mar; 34(3):293–8

Contraction induced by (-)-tartaric acid on rat isolated gastric fundus and its inhibition with indomethacin. Tuğrul L, et al. **J Pharm Pharmacol** 1985 Aug;37(8):583–4

TARTRAZINE see under **AZO COMPOUNDS**

TASK PERFORMANCE AND ANALYSIS

Documenting workload to better integrate clinical and distributive services. Hatfield SM, et al. **Am J Hosp Pharm** 1985 Oct;42(10):2175–9

Time use of mothers with preschool children: a pilot study. Johnson CB, et al. **Am J Occup Ther** 1985 Sep;39(9):578–83

OR personnel functions. Testing of observability. Hanson RL, et al. **AORN J** 1985 Sep;42(3):376–9, 382–7

The effects of mild hypoxia on a logical reasoning task. Green RG, et al. **Aviat Space Environ Med** 1985 Oct;56(10):1004–8

The effect of skill on performance under an environmental stressor. Hancock PA. **Aviat Space Environ Med** 1986 Jan; 57(1):59–64 (43 ref.)

Performance and physiological effects of acceleration-induced (+ Gz) loss of consciousness. Houghton JO, et al. **Aviat Space Environ Med** 1985 Oct; 56(10):956–65

University Hospital implements workload measurement system. Bardswich E, et al. **Dimens Health Serv** 1985 May; 62(5):18–20, 46

Lab workload recording: an asset or liability? Cliff PR, et al. **Dimens Health Serv** 1985 Sep;62(8):13–4

Workload measurement system analyses out-patient costs. Davenport M, et al. **Dimens Health Serv** 1986 Jun; 63(5):26–8

Lab workload measurement: a new picture for the '80s. Henderson L. **Dimens Health Serv** 1985 Sep;62(8):15–6

Random sampling activity: a tool for fair billing. Pescod M, et al. **Dimens Health Serv** 1985 Oct–Nov;62(9):28–9, 36

Methodology for implementing workload measurement systems. Walker K, et al. **Dimens Health Serv** 1986 Mar; 63(2):26, 44

Anxiety, manual dexterity and diver performance. Baddeley A, et al. **Ergonomics** 1985 Oct;28(10):1475–82

Time-on-task period for unimpaired tracking performance. Beahir MY. **Ergonomics** 1986 Mar;29(3):423–31

Free hand-movements during the performance of a complex task. Fleischer AG, et al. **Ergonomics** 1986 Jan;29(1):49–63

Psychophysiological changes during a VDU repetitive task. Floru R, et al. **Ergonomics** 1985 Oct;28(10):1455–68

Postural analysis of the trunk and shoulders in simulated real time. Keyserling WM. **Ergonomics** 1986 Apr;29(4):569–83

The application of the job severity index to job design for the control of manual materials-handling injury. Liles DH. **Ergonomics** 1986 Jan;29(1):65–76

Physical and mental performance of soldiers on high- and low-energy diets during prolonged heavy exercise combined with sleep deprivation. Rognum TO, et al. **Ergonomics** 1986 Jul;29(7):859–67

Memory performance in individuals with primary degenerative dementia: its similarity to diazepam-induced impairments. Block RI, et al. **Exp Aging Res** 1985 Autumn-Winter;11(3–4):151–5

Adult age, presentation time, and memory performance. Coyne AC. **Exp Aging Res** 1985 Autumn-Winter; 11(3–4):147–9

Age related factors in motor error detection and correction. Marshall PH, et al. **Exp Aging Res** 1985 Autumn-Winter; 11(3–4):201–6

Signal detection analysis of recognition memory in depressed elderly. Niederehe G, et al. **Exp Aging Res** 1985 Autumn-Winter;11(3–4):207–13

Self-evaluation, actual performance and preference across the life-span. Panek PE, et al. **Exp Aging Res** 1985 Autumn-Winter;11(3–4):221–3

Psychophysiological reactivity in type A and B women during a rapid information processing task. Pfiffner D, et al. **Experientia** 1986 Feb 15;42(2):126–31

The functional age profile: an objective decision criterion for the assessment of pilot performance capacities and capabilities. Braune R, et al. **Hum Factors** 1985 Dec; 27(6):681–93

The relation between the type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions. Damos D. **Hum Factors** 1985 Dec;27(6):675–80

Ergonomic comparison of three modes of load carriage. Balogun JA. **Int Arch Occup Environ Health** 1986; 58(1):35–46

Electrocortical signs of word categorization in saccade-related brain potentials and visual evoked potentials. Marton M, et al. **Int J Psychophysiol** 1985 Nov; 3(2):131–44

Labor time spent in foodservice activities in one hospital: a 12-year profile. Matthews ME, et al. **J Am Diet Assoc** 1986 May;86(5):636–43

Use of a sustained visual attention task to determine children at risk for learning problems. Richman JE. **J Am Optom Assoc** 1986 Jan;57(1):20–6

Age-related effects of spatial contiguity and interference on coding performance. Erber JT. **J Gerontol** 1986 Sep; 41(5):641–4

Work pace and worker physiological cost. Das B. **J Hum Ergol (Tokyo)** 1984 Dec;13(2):129–36

Validating a psychiatric patient classification system. Eklof M, et al. **J Nurs Adm** 1986 May;16(5):10–7

Setting nursing hours standards. Part 1. Hoffman F, et al. **J Nurs Adm** 1986 Jan;16(1):13–6

Setting nursing hours standards. Part 2. Hoffman FM. **J Nurs Adm** 1986 Feb;16(2):17–9

RNs may cost less than you think. Minyard K, et al. **J Nurs Adm** 1986 May;16(5):28–34

Time documentation of clinical nurse specialist activities. Robichaud AM, et al. **J Nurs Adm** 1986 Jan;16(1):31–6

The fallacy of qualitative performance tests [letter] Krebs DE. **J Rehabil Res Dev** 1985 Jul;22(3):106–8

The fallacy of timed functional tests [letter] Scott RN, et al. **J Rehabil Res Dev** 1985 Jul;22(3):104–6

The effects of computerized medical records on provider efficiency and quality of care. Garrett LE Jr, et al. **Methods Inf Med** 1986 Jul;25(3):151–7

Nursing workload, medical diagnosis related groups, and nursing diagnoses. Halloran EJ. **Res Nurs Health** 1985 Dec; 8(4):421–33

Time budget analysis as a tool for PHC planning (with examples from Ethiopia). Ayalew S. **Soc Sci Med** 1985; 21(8):865–72

Performance of the indirect antiglobulin test does not show a circadian rhythm. Douglas R. **Transfusion** 1985 Sep–Oct; 25(5):406–9

Application of network planning methodology to workflow analysis in a reference laboratory. AuBuchon JP, et al. **Vox Sang** 1986;50(2):122–5

[Work time analysis in the inpatient department of a neurologic clinic—a pilot study on the effectiveness of medical care] Kiehl U, et al. **Z Gesamte Hyg** 1985 Aug; 31(8):478–80 (Eng. Abstr.) (Ger)

[Effect of the complexity of control tasks on the level of activation of physiological functions in an operator working in an anticipatory mode of operation] Gritsevskii MA, et al. **Fiziol Cheloveka** 1985 May–Jun;11(3):504–10 (Rus)

DRUG EFFECTS

The transfer of alcohol tolerance, and its relation to reinforcement. Rawana E, et al. **Drug Alcohol Depend** 1985 Sep;16(1):75–83

Effects of tobacco and distraction on sensory and slow cortical evoked potentials during task performance. Knott VJ. **Neuropsychobiology** 1985;13(3):136–40

PHYSIOLOGY

Lateral task segregation and the task-hemispheric integrity effect. Carswell CM, et al. **Hum Factors** 1985 Dec; 27(6):695–700

TASTE

Maillard reactions: nonenzymatic browning in food systems with special reference to the development of flavor. Danehy JP. **Adv Food Res** 1986;30:77–138 (322 ref.)

Effect of dietary sodium restriction on taste responses to sodium chloride: a longitudinal study. Blais CA, et al. **Am J Clin Nutr** 1986 Aug;44(2):232–43

Taste changes during pregnancy. Brown JE, et al. **Am J Clin Nutr** 1986 Mar;43(3):414–8

Separation of taste-aversion-prone and taste-aversion-resistant rats through selective breeding: implications for individual differences in conditionability and aversion-therapy alcoholism treatment. Elkins RL. **Behav Neurosci** 1986 Feb;100(1):121–4

Congener characteristics influence aversion conditioning to alcoholic beverages in rats. Franchina JJ, et al. **Behav Res Ther** 1986;24(3):299–306

Role of ethanol in conditioning aversion to alcoholic beverages in rats. Franchina JJ, et al. **Behav Res Ther** 1985; 23(5):521–9

Structure-activity relationship of a bitter diketopiperazine revisited. Goodman M, et al. **Biopolymers** 1985 Aug; 24(8):1629–33

A comparison of English and Japanese taste languages: taste descriptive methodology, codability and the umami taste. O'Mahony M, et al. **Br J Psychol** 1986 May;77 (Pt 2):161–74

Effect of electrical and chemical stimulation of the lateral hypothalamus on taste preferences. Vasudev R, et al. **Braz J Med Biol Res** 1985;18(1):3–14

Sodium chloride preference and recognition threshold in normotensive subjects on high and low salt diet. Teow BH, et al. **Clin Exp Hypertens [A]** 1985–86;7(12):1681–95

Taste preference for cough syrups: a comparative study of three codeine-containing medications. Weintraub M, et al. **Clin Ther** 1986;8(3):348–53

Arterial perfusion of frog tongue for intracellular recording of taste cell receptor potential. Okada Y, et al. **Comp Biochem Physiol [A]** 1985;81(2):247–50

Rank order scaling in taste evaluation. Peterson MG, et al. **Comput Biomed Res** 1986 Feb;19(1):56–62

Meat flavor volatiles: a review of the composition, techniques of analysis, and sensory evaluation. Shahidi F, et al. **CRC Crit Rev Food Sci Nutr** 1986;24(2):141–243 (229 ref.)

Behavioral displays to gustatory stimuli in newborn rat pups. Ganchrow JR, et al. **Dev Psychobiol** 1986 May;19(3):163–74

The ontogeny of salt preference in rats. Moe KE. **Dev Psychobiol** 1986 May;19(3):185–96

Conditioning of aversion to alcohol orosensory cues in 5- and 10-day rats: subsequent reduction in alcohol ingestion. Molina JC, et al. **Dev Psychobiol** 1986 May;19(3):175–83

Abnormal identification of the sweet taste of D-glucose anomers [letter] Malaisse-Lagae F, et al. **Diabetologia** 1986 May;29(5):344–5

Discrimination of taste and preference for sweet in premature babies. Tatzer E, et al. **Early Hum Dev** 1985 Oct; 12(1):23–30

Differences in sodium chloride taste sensitivity in a rural and an urban population in Nigeria: implications for the incidence of hypertension. Odeigah PG, et al. **East Afr Med J** 1986 Apr;63(4):236–43

Acceptance of antibiotic mixtures by infants and children. Uhari M, et al. **Eur J Clin Pharmacol** 1986;30(4):503–4

Duodenal ulcer: genetic analysis by the phenylthiocarbamide test. Stanchev I, et al. **Folia Med (Plovdiv)** 1985;27(3):13–6

The genetics of tasting in mice. IV. The acetates of raffinose, galactose and beta-lactose. Lush IE. **Genet Res** 1986 Apr; 47(2):117–23

The acceptability of sweet and savoury sip feeds. Fuller L. **Hum Nutr Appl Nutr** 1985 Dec;39(6):422–5

Effect of hyponatraemia on taste threshold for salt in hypertensive subjects. Marya RK, et al. **Indian Heart J** 1985 May–Jun;37(3):170–1

Seasonal variation in taste threshold for salt in human subjects [letter] Marya RK, et al. **Indian J Physiol Pharmacol** 1985 Jan–Mar;29(1):65–7

Comparison of fatty acid patterns of polar and neutral lipid classes and cyclo-oxygenase activity in taste and non-taste epithelium of steer tongues. Rabinowitz JL, et al. **Int J Biochem** 1986;18(6):543–8

Comparison of aspartame- and fructose-sweetened layer cakes: importance of panels of users for evaluation of alternative sweeteners. Hess DA, et al. **J Am Diet Assoc** 1986 Jul;86(7):919–23

Anxiety and drug taste as predictors of anticipatory nausea in cancer chemotherapy. Nerenz DR, et al. **J Clin Oncol** 1986 Feb;4(2):224–33

Conditioned aversions and their memories in 5-day-old rats during suckling. Kehoe P, et al. **J Exp Psychol [Anim Behav]** 1986 Jan;12(1):40–7

Taste and aging. Bartoshuk LM, et al. **J Gerontol** 1986 Jan; 41(1):51–7

Taste intensity perception in aging. Weiffenbach JM, et al. **J Gerontol** 1986 Jul;41(4):460–8

Structure–taste correlation of L-aspartyl dipeptides using SIMCA method. Miyashita Y, et al. **J Med Chem** 1986 Jun;29(6):906–12

Gustatory responses in the nucleus tractus solitarius of the alert cynomolgus monkey. Scott TR, et al. **J Neurophysiol** 1986 Jan;55(1):182–200

Sweet taste receptor mechanisms. Sato M. **Jpn J Physiol** 1985;35(6):875–85 (62 ref.)

Relation between translingual potential changes induced by NaCl in the bullfrog tongue and taste nerve activity. Soeda H, et al. **Jpn J Physiol** 1985;35(6):1101–5

A tobacco mosaic virus-induced tobacco protein is homologous to the sweet-tasting protein thaumatin. Cornelissen BJ, et al. **Nature** 1986 May 29–Jun 4; 321(6069):531–2

The taste and mechanical response properties of neurons in the parvicellular part of the thalamic posteromedial ventral nucleus of the rat. Nomura T, et al. **Neurosci Res** 1985 Dec;3(2):91–105

Salt-free salt. **Nutr Rev** 1985 Nov;43(11):337–8

Aversive taste treatment of finger and thumb sucking. Friman PC, et al. **Pediatrics** 1986 Jul;78(1):174–6

Ice cream preference: the relationship of cost and quality. Kunz PR. **Percept Mot Skills** 1985 Aug;61(1):229–30

Effect of color on judgments of food aroma and flavour intensity in young and elderly adults. Christensen CM. **Perception** 1985;14(6):755–62

A note on the inconsistency of the substitution model for taste mixtures. de Graaf C, et al. **Perception** 1985; 14(4):499–500

Salt taste sensitivity and stimulus volume: sips and drops. Some implications for the Henkin taste test. O'Mahony M, et al. **Perception** 1984;13(6):725–37

Effects of stimulus context on preference judgements for salt. Shepherd R, et al. **Perception** 1984;13(6):739–42

Salt taste preference in baboons. Barnwell GM, et al. **Physiol Behav** 1986;37(2):279–84

Neophobia, conditioned taste aversion and EEG arousal after globus pallidus lesion. De Luca B, et al. **Physiol Behav** 1986;36(3):545–51

Cholecystokinin octapeptide and lithium produce different effects on feeding and taste aversion learning. Ervin GN, et al. **Physiol Behav** 1986;36(3):507–12

Profiling, mimicking and masking the flavor of a selected rodenticide. Mason JR, et al. **Physiol Behav** 1985 Jul; 35(1):127–34

Preference of rats for food flavors and texture in nutritionally controlled semi-purified diets. Naim M, et al. **Physiol Behav** 1986;37(1):15–21

Rats show only a weak preference for the artificial sweetener aspartame. Sclafani A, et al. **Physiol Behav** 1986;37(2):253–6

Chemosensory properties of sour tastants. Settle RG, et al. **Physiol Behav** 1986;36(4):619–23

Taste and salivary function. Weiffenbach JM, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(16):6103–6

Taste effects of flavonoids. Horowitz RM. **Prog Clin Biol Res** 1986;213:163–75 (20 ref.)

The puzzle of drug-induced conditioned taste aversion: comparative studies with cathinone and amphetamine. Goudie AJ, et al. **Psychopharmacology (Berlin)** 1985; 87(3):328–33

[Relation between the sensitivity of the taste analyzer and high blood pressure] Zicha J, et al. **Vnitr Lek** 1986 Jul; 32(7):642–6 (Eng. Abstr.) (Cze)

[Taste perception in fasting overweight patients] Glöckner L, et al. **Z Gesamte Inn Med** 1986 Apr 15;41(8):244–6 (Eng. Abstr.) (Ger)

[Salt taste threshold in hypertensive patients] Spritzer N. **Arq Bras Cardiol** 1985 Mar;44(3):151–5 (Eng. Abstr.) (Por)

[Determination of the bitter taste of beers. Correlation between the spectrophotometric method and sensory evaluation] de Penna EW, et al. **Arch Latinoam Nutr** 1984 Dec;34(4):694–707 (Eng. Abstr.) (Spa)

[Sensory evaluation and acceptability study, at the consumer level, of bread supplemented with sweet lupine flour] Zacarias I, et al. **Arch Latinoam Nutr** 1985 Mar; 35(1):119–29 (Eng. Abstr.) (Spa)

DRUG EFFECTS

Gamma-L-glutamyl-taurine (Litoralon) affects conditioned taste aversion in rats. Schulz H, et al. **Acta Physiol Hung** 1986;67(2):233–42

Effects of gymnemic acid on the chorda tympani proper nerve responses to sweet, sour, salty and bitter taste stimuli in the chimpanzee. Hellekant G, et al. **Acta Physiol Scand** 1985 Jul;124(3):399–408

Neural and behavioral responsivity to ethyl alcohol as a tastant. Di Lorenzo PM, et al. **Alcohol** 1986 Jan–Feb; 3(1):55–61

Learned alcohol aversions in rats: gustatory and olfactory components. Kiefer SW, et al. **Alcohol** 1986 Jan–Feb; 3(1):27–31

A comment on "coyote control and taste aversion" Burns RJ, et al. **Appetite** 1985 Sep;6(3):276–81

Coyote control and taste aversion: a predation problem or a people problem? Ellins SR. **Appetite** 1985 Sep;6(3):272–5

Research on forms of conditioned avoidance in coyotes. Lehner PN, et al. **Appetite** 1985 Sep;6(3):265–7

Role of specific postingestional effects and medicinal context in the acquisition of liking for tastes. Pliner P, et al. **Appetite** 1985 Sep;6(3):243–52

Coyote control and taste aversion. Quick DL, et al. **Appetite** 1985 Sep;6(3):253–64

Brief comments on "coyote control and taste aversion" Wade DA. **Appetite** 1985 Sep;6(3):268–71

Aversive stimulus properties of morphine: evaluation using the drug preexposure conditioned taste aversion paradigm. Hunt T, et al. **Behav Neural Biol** 1985 Jul;44(1):60–73

Effects of dietary NaCl deprivation during early development on behavioral and neurophysiological taste responses. Hill DL, et al. **Behav Neurosci** 1986 Jun;100(3):390–8

Synergistic effects of 5'-nucleotides on rat taste responses to various amino acids. Yoshii K, et al. **Brain Res** 1986 Mar 5;367(1–2):45–51

Tastes associated with parenteral chemotherapy for breast cancer. Fetting JH, et al. **Cancer Treat Rep** 1985 Nov; 69(11):1249–51

The short-term effect of captopril on salt and water intake in the rat is not taste-specific. Evered MD, et al. **Eur J Pharmacol** 1985 Oct 22;116(3):249–55

Effects of the organophosphorus compound, O-ethyl-N-dimethyl-phosphoramidocyanidate (tabun), on flavor aversions, locomotor activity, and rotarod performance in rats. Romano JA Jr, et al. **Fundam Appl Toxicol** 1986 Jan;6(1):62–8

Effect of naloxone on taste behavior in normal and selective gastric vagotomized rats. Radhakrishnan V, et al. **Indian J Exp Biol** 1986 Mar;24(3):182–4

Naloxone modulates gustatory perception, but not insulin and C-peptide release, in sham-fed human subjects. Komorowski JM, et al. **Int J Obes** 1986;10(2):83–9

Taste responses from the chorda tympani nerve in young and old Fischer rats. McBride MR, et al. **J Gerontol** 1986 May;41(3):306–14

Antagonism of the gerbil's sucrose taste response by p-nitrophenyl alpha-D-glucopyranoside and chloramphenicol. Vlahopoulos V, et al. **J Neurosci** 1986 Sep;6(9):2611–5

A structure–activity study on the sucrose taste antagonist methyl 4,6-dichloro-4,6-dideoxy-alpha-D-galactopyranoside. Vlahopoulos V, et al. **J Neurosci** 1986 Sep;6(9):2604–10

Autonomic mechanisms underlying capsaicin induced oral sensations and salivation in man. Dunér-Engström M, et al. **J Physiol (Lond)** 1986 Apr;373:87–96

Effects of area postrema lesions on taste aversions produced by treatment with WR-2721 in the rat. Rabin BM, et al. **Neurobehav Toxicol Teratol** 1986 Jan–Feb;8(1):83–7

Acetaldehyde may mediate reinforcement and aversion produced by ethanol. An examination using a conditioned taste-aversion paradigm. Aragon CM, et al. **Neuropharmacology** 1986 Jan;25(1):79–83

Conditioned taste aversions and changes in motor activity in lithium-treated rats. Mediating role of the area postrema. Ladowsky RL, et al. **Neuropharmacology** 1986 Jan; 25(1):71–7

Acetaldehyde and morphine interaction in the preexposure conditioned taste aversion paradigm in the rat. Ng Cheong Ton JM, et al. **Neurosci Lett** 1985 Oct 24;61(1–2):131–4

The effect of intracerebroventricularly infused satietin on conditioned taste aversion and feeding in rats fasted different lengths. Bellinger LL, et al. **Pharmacol Biochem Behav** 1985 Oct;23(4):559–66

Saccharin aversions in hamsters as a result of nicotine injections. Etscorn F, et al. **Pharmacol Biochem Behav** 1986 Mar;24(3):567–70

Attenuation of cyclophosphamide-induced taste aversions in mice by prochlorperazine, delta 9-tetrahydrocannabinol, nabilone and levonantradol. Landauer MR, et al. **Pharmacol Biochem Behav** 1985 Aug;23(2):259–66

Visceral cortex lesions block conditioned taste aversions induced by morphine. Mackey WB, et al. **Pharmacol Biochem Behav** 1986 Jan;24(1):71–8

Orofacial and somatic responses elicited by lithium-, nicotine- and amphetamine-paired sucrose solution. Parker LA, et al. **Pharmacol Biochem Behav** 1986 Apr;24(4):883–7

Conditioned taste aversion induced by organophosphate compounds in rats. Roney PL Jr, et al. **Pharmacol Biochem Behav** 1986 Mar;24(3):737–42

Caffeine intensifies taste of certain sweeteners: role of adenosine receptor. Schiffman SS, et al. **Pharmacol Biochem Behav** 1986 Mar;24(3):429–32

Caffeine-induced taste aversion and mimetic responses. White BC, et al. **Pharmacol Biochem Behav** 1985 Oct; 23(4):515–8

Cholecystokinin, diet palatability, and feeding regulation in rats. Ettinger RH, et al. **Physiol Behav** 1986;36(5):801–9

Angiotensin II-induced taste aversion learning in cats and rats and the role of the area postrema. Rabin BM, et al. **Physiol Behav** 1986;36(6):1173–8

Bretylium tosylate enhances salt taste. Schiffman SS, et al. **Physiol Behav** 1986;36(6):1129–37

Disruption of conditioned taste aversion by ECS: the role of lithium chloride. Shaw N. **Physiol Behav** 1986; 36(6):1193–5

Intraseptal microinjections of carbachol and angiotensin II in rats: effects on taste preferences. Vasudev R, et al. **Physiol Behav** 1986 Jan;36(1):33–9

Conditioned taste aversions induced by 1-5-hydroxytryptophan are mediated by the area postrema. Ossenkopp KP, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1985; 9(5–6):745–8

Effects of peripheral 5-HT on consumption of flavoured solutions. Montgomery AM, et al. **Psychopharmacology (Berlin)** 1986;88(2):262–6

Context specificity of latent inhibition in taste aversion learning. Hall G, et al. **Q J Exp Psychol [B]** 1986 May; 38(2):121–39

[Activating effect of cholecystokinin-pancreozymin on the taste-receptor system of the rat] Serova ON, et al. **Fiziol Zh SSSR** 1985 Oct;71(10):1271–5 (Eng. Abstr.) (Rus)

[Potential use of the gustatory tear test] Karnaukhov AI. **Oftalmol Zh** 1986;(1):64 (Rus)

[Taste aversions in lung cancer patients treated with cytostatics] Olafsdottir M, et al. **Lakartidningen** 1986 Jan 15;83(3):124–5, 128–9 (Swe)

PHYSIOLOGY

Taste. Van Haesendonck J. **Acta Otorhinolaryngol Belg** 1986; 40(1):283–94

Absence of sodium chloride preference in Fischer-344 rats. Midkiff EE, et al. **Am J Physiol** 1985 Oct;249(4 Pt 2):R438–42

Epithelial responses of rabbit tongues and their involvement in taste transduction. Simon SA, et al. **Am J Physiol** 1986 Sep;251(3 Pt 2):R598–608

Congenital and experiential factors in the development of human flavor preferences. Beauchamp GK, et al. **Appetite** 1985 Dec;6(4):357–72 (50 ref.)

Effects of changes in palatability on food intake and the cumulative food intake curve in man. Bobroff EM, et al. **Appetite** 1986 Mar;7(1):85–96

Comparing taste-elicited behaviors in adult and neonatal rats. Schwartz GJ, et al. **Appetite** 1985 Dec;6(4):373–86 (42 ref.)

Can rats learn to associate a flavour with the delayed delivery of food? Simbayi LC, et al. **Appetite** 1986 Mar;7(1):41–53

Influence of intake of sweet solutions on the analgesic effect of a low dose of morphine in randomly bred rats. Bergmann F, et al. **Behav Neural Biol** 1985 Nov;44(3):347–53

Disruption of neophobia, conditioned odor aversion, and conditioned taste aversion in rats with hippocampal lesions. Miller JS, et al. **Behav Neural Biol** 1986 Mar;45(2):240–53

Intragastric copper sulfate produces a more reliable conditioned taste aversion in vagotomized rats than in intact rats. Rabin BM, et al. **Behav Neural Biol** 1985 Nov; 44(3):364–73

The role of narrowly tuned taste cell populations in lobster (Homarus americanus) feeding behavior. Borroni PF, et al. **Behav Neurosci** 1986 Apr;100(2):206–12

Sodium homeostasis in chronic decerebrate rats. Grill HJ, et al. **Behav Neurosci** 1986 Aug;100(4):536–43

Behaviorally functional opioid systems in infant rats: I. Evidence for olfactory and gustatory classical conditioning. Kehoe P, et al. **Behav Neurosci** 1986 Jun;100(3):359–67

The role of taste in dietary self-selection in rats. Miller MG, et al. **Behav Neurosci** 1986 Jun;100(3):399–409

Effects of basolateral amygdala lesions on taste aversions produced by lactose and lithium chloride in the rat. Simbayi LC, et al. **Behav Neurosci** 1986 Aug;100(4):455–65

Electromyographic analysis of the ingestion and rejection of sapid stimuli in the rat. Travers JB, et al. **Behav Neurosci** 1986 Aug;100(4):544–55

Oxytocin and vasopressin secretion in response to stimuli producing learned taste aversions in rats. Verbalis JG, et al. **Behav Neurosci** 1986 Aug;100(4):466–75

Contribution of electrostatic and hydrophobic interactions of bitter substances with taste receptor membranes to generation of receptor potentials. Kumazawa T, et al. **Biochim Biophys Acta** 1986 Aug 29;888(1):62–9

Morphological evidence for a direct projection of trigeminal nerve fibers to the primary gustatory center in the sea catfish Plotosus anguillaris. Kiyohara S, et al. **Brain Res** 1986 Aug 6;379(2):353–7

Gustatory cortex in the rat. II. Thalamocortical projections. Kosar E, et al. **Brain Res** 1986 Aug 6;379(2):342–52

Gustatory cortex in the rat. I. Physiological properties and cytoarchitecture. Kosar E, et al. **Brain Res** 1986 Aug 6; 379(2):329–41

Taste aversions conditioned with multiple exposures to gamma radiation: abolition by area postrema lesions in rats. Ossenkopp KP, et al. **Brain Res** 1985 Oct 28;346(1):1–7

Convergence of lingual and palatal gustatory neural activity in the nucleus of the solitary tract. Travers SP, et al. **Brain Res** 1986 Feb 19;365(2):305–20

Satiety does not affect gustatory activity in the nucleus of the solitary tract of the alert monkey. Yaxley S, et al. **Brain Res** 1985 Nov 11;347(1):85–93

Olfactory responses in the gustatory area of the parabrachial pons. Di Lorenzo PM, et al. **Brain Res Bull** 1985 Dec; 15(6):673–6

Gustatory evoked potentials in man. Kobal G. **Electroencephalogr Clin Neurophysiol** 1985 Nov; 62(6):449–54

Responses of solitary tract nucleus neurons to taste and mechanical stimulations of the oral cavity in decerebrate rats. Hayama T, et al. **Exp Brain Res** 1985;60(2):235–42

The cathodal OFF response of electric taste in rats. Hernesa MS. **Exp Brain Res** 1985;60(2):318–22

Effects of chronically elevated intake of sweet solutions on sexual behavior of male rats. Lieblich I, et al. **Horm Behav** 1985 Sep;19(3):278–91

Effect of selective gastric vagotomy on gustatory behavior in rats. Radhakrishnan V, et al. **J Auton Nerv Syst** 1986 Jun;16(2):127–36

Phenylthiocarbamide (PTC) tasting and reported depression. Whittemore PB. **J Clin Psychol** 1986 Mar;42(2):260–3

Projections of thalamic gustatory and lingual areas in the monkey, Macaca fascicularis. Pritchard TC, et al. **J Comp Neurol** 1986 Feb 8;244(2):213–28

Anatomy of the gustatory system in the hamster: synaptology of facial afferent terminals in the solitary nucleus. Whitehead MC. **J Comp Neurol** 1986 Feb 1;244(1):72–85

The contribution of the olfactory and tactile modalities to the nipple-search behaviour of newborn rabbits. Distel H, et al. **J Comp Physiol [A]** 1985 Nov;157(5):599–605

Mechanical sensitivity of the facial nerve fibers innervating the anterior palate of the puffer, Fugu pardalis, and their central projection to the primary taste center. Kiyohara S, et al. **J Comp Physiol [A]** 1985 Dec;157(6):705–16

Taste response to 2,5-anhydro-D-hexitols; rigid stereospecificity of the furanose site in the sugar receptor of the flesh fly. Shimada I, et al. **J Comp Physiol [A]** 1985 Oct;157(4):477–82

Control of fluid palstability by exteroceptive Pavlovian signals. Delamater AR, et al. **J Exp Psychol [Anim Behav]** 1986 Apr;12(2):143–52

Peptide sweeteners. 8. Synthesis and structure-taste relationship studies of L-aspartyl-D-alanyl tripeptides. Rodriguez M, et al. **J Med Chem** 1985 Oct;28(10):1527–9

Interrelationship of some selected nutritional parameters relevant to taste for salt in a group of college-aged women. Ishida H, et al. **J Nutr Sci Vitaminol (Tokyo)** 1985 Dec; 31(6):585–98

Gustatory signal processing in the glossopharyngeo-hypoglossal reflex arc of the frog. Nakachi T, et al. **Jpn J Physiol** 1986;36(1):189–208

Taste-elicited changes in facial signs of emotion and the asymmetry of brain electrical activity in human newborns. Fox NA, et al. **Neuropsychologia** 1986;24(3):417–22

Constraints imposed on taste physiology by human taste reaction time data. Halpern BP. **Neurosci Biobehav Rev** 1986 Summer;10(2):135–51

Effects of taste stimuli on the efferent activity of the gastric vagus nerve in rats. Jiang ZY, et al. **Neurosci Lett** 1986 Aug 15;69(1):42–6

Two distinct projection areas from tongue nerves in the frontal operculum of macaque monkeys as revealed with evoked potential mapping. Ogawa H, et al. **Neurosci Res** 1985 Aug;2(6):447–59

Opiate blockade inhibits saccharin intake and blocks normal preference acquisition. Lynch WC. **Pharmacol Biochem Behav** 1986 Apr;24(4):833–6

Chin rub CRs are elicited by flavors associated with apomorphine, scopolamine, methscopolamine, physostigmine and neostigmine. Smith RJ, et al. **Pharmacol Biochem Behav** 1985 Oct;23(4):583–9

Influence of taste stimulation during the suckling period on adult taste preference in rats. Bernstein IL, et al. **Physiol Behav** 1986;36(5):913–9

Perception of sweetness: the effects of concentration and temperature. Calviño AM. **Physiol Behav** 1986;36(6):1021–8

Sweet tooth reconsidered: taste responsiveness in human obesity. Drewnowski A, et al. **Physiol Behav** 1985 Oct; 35(4):617–22

Gustatory processing differences in PTC tasters and non-tasters: a reaction time analysis. Frank RA, et al. **Physiol Behav** 1985 Aug;35(2):239–42

An analysis of the role of stimulus removal in taste adaptation by means of simulated drinking. Halpern BP, et al. **Physiol Behav** 1986;36(5):925–8

Bitterness suppression as revealed by split-tongue taste stimulation in humans. Kroeze JH, et al. **Physiol Behav** 1985 Nov;35(5):779–83

Taste discriminations in rats lacking anterior insular gustatory neocortex. Lasiter PS, et al. **Physiol Behav** 1985 Aug; 35(2):277–85

Salt-acid confusion on the single fungiform papilla: effect of changing acid sensitivity. McCutcheon NB. **Physiol Behav** 1986;36(6):1081–8

Flavor avoidance expressed in grooming by pine voles (Microtus pinetorum): importance of context and hormonal factors. Mason JR, et al. **Physiol Behav** 1985 Dec; 35(6):979–83

Lateral hypothalamic sites eliciting eating affect medullary taste neurons in rats. Murzi E, et al. **Physiol Behav** 1986; 36(5):829–34

Long-term sensory-specific satiety: evidence from an Ethiopian refugee camp. Rolls ET, et al. **Physiol Behav** 1985 Jun;34(6):1017–20

Effects of gustatory deafferentation on ingestion of taste solutions as seen by licking behavior in rats. Yamamoto T, et al. **Physiol Behav** 1986;37(2):299–305

Gustatory reaction time to various sweeteners in human adults. Yamamoto T, et al. **Physiol Behav** 1985 Sep; 35(3):411–5

Substitution of natural conditioned and unconditioned stimuli by artificial stimuli does not prevent acquisition of conditioned taste aversion in rats. Brožek G, et al. **Physiol Bohemoslov** 1985;34 Suppl:13–6

The importance of sweet taste and caloric content in the effects of nicotine on specific food consumption. Grunberg NE, et al. **Psychopharmacology (Berlin)** 1985;87(2):198–203

Influence of atropine on taste-stimulated parotid secretion. Kemmer T, et al. **Res Exp Med (Berl)** 1985;185(6):495–502

Taste/tactile cue discriminations in taste-aversion learning following depletion of noradrenaline. Archer T, et al. **Scand J Psychol** 1986;27(1):39–51

[The place and value of electrogustometry in otolaryngological research methods] Tesařík J, et al. **Acta Univ Palacki Olomuc Fac Med** 1984;107:307–13 **(Ger)**

[Taste sensation after the application of electric currents of varying frequencies and types of impulse] Józefowicz-Korczyńska M, et al. **Otolaryngol Pol** 1985; 39(5):389–95 (Eng. Abstr.) **(Pol)**

[Lack of effect of parathyroid hormone on taste sensation in patients with acute and chronic renal failure] Bystroń-Prajsner U, et al. **Pol Arch Med Wewn** 1986 Feb; 75(2):89–94 (Eng. Abstr.) **(Pol)**

[Changes in taste sensitivity in peptic ulcer during exacerbation and after surgical treatment] Halczy-Kowalik L, et al. **Pol Tyg Lek** 1985 Sep 8;40(36):1009–13 (Eng. Abstr.) **(Pol)**

[Effect of taste deafferentation on the preference for solutions of saccharose, saccharin and salt in rats] Serova ON, et al. **Zh Vyssh Nerv Deiat** 1986 Jan-Feb;36(1):150–5 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Mechanisms of radiation-induced conditioned taste aversion learning. Rabin BM, et al. **Neurosci Biobehav Rev** 1986 Spring;10(1):55–65 (141 ref.)

Quantitative examination of taste deficiency due to radiation therapy. Sato K, et al. **Radiat Med** 1984 Jan-Mar;2(1):61–70

Radiation-induced taste aversion: effects of radiation exposure level and the exposure-taste interval. Spector AC, et al. **Radiat Res** 1986 May;106(2):271–7

TASTE BUDS

Number and distribution of taste buds in the oral cavity of hatchling chicks. Ganchrow D, et al. **Physiol Behav** 1985 Jun;34(6):889–94

ANALYSIS

Immunohistochemical localization of keratin in the taste buds of rat vallate papillae. Kim HM, et al. **Arch Oral Biol** 1986; 31(6):419–21

ANATOMY & HISTOLOGY

Taste. Van Haesendonck J. **Acta Otorhinolaryngol Belg** 1986; 40(1):283–94

Age does not affect numbers of taste buds and papillae in adult rhesus monkeys. Bradley RM, et al. **Anat Rec** 1985 Jul;212(3):246–9

Topographic and laminar organization of the vagal gustatory system in the goldfish, Carassius auratus. Morita Y, et al. **J Comp Neurol** 1985 Aug 8;238(2):187–201

Quantitative anatomical study of taste buds in fungiform papillae of young and old Fischer rats. Mistretta CM, et al. **J Gerontol** 1986 May;41(3):315–8

DRUG EFFECTS

Synergistic effects of 5'-nucleotides on rat taste responses to various amino acids. Yoshii K, et al. **Brain Res** 1986 Mar 5;367(1–2):45–51

Bretylium tosylate enhances salt taste. Schiffman SS, et al. **Physiol Behav** 1986;36(6):1129–37

[Analysis of the taste receptor mechanism by the use of chemical modifiers on the tongue] Sugimoto K. **Kokubyo Gakkai Zasshi** 1985 Jun;52(2):475 **(Jpn)**

[Activating effect of cholecystokinin-pancreozymin on the taste-receptor system of the rat] Serova ON, et al. **Fiziol Zh SSSR** 1985 Oct;71(10):1271–5 (Eng. Abstr.) **(Rus)**

[Effect of the intensity and quality of chemical stimuli on the cellular membrane potentials of the taste bud in the frog Rana temporaria] Lotarev AN. **Zh Evol Biokhim Fiziol** 1986 Mar-Apr;22(2):208–11 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

[Development of the taste buds in rat embryogenesis] Dmitrieva NA. **Zh Evol Biokhim Fiziol** 1985 Jul-Aug; 21(4):404–8 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Virus-like particles in the taste buds of the circumvallate papilla of the rat. Toyoshima K, et al. **J Electron Microsc (Tokyo)** 1982;31(3):273–5

PHYSIOLOGY

Immunohistochemical observation on substance P in regenerating taste buds of the rat. Nishimoto T, et al. **Anat Rec** 1985 Aug;212(4):430–6

Contribution of electrostatic and hydrophobic interactions of bitter substances with taste receptor membranes to generation of receptor potentials. Kumazawa T, et al. **Biochim Biophys Acta** 1986 Aug 29;888(1):62–9

Convergence of lingual and palatal gustatory neural activity in the nucleus of the solitary tract. Travers SP, et al. **Brain Res** 1986 Feb 19;365(2):305–20

The cathodal OFF response of electric taste in rats. Hernesa MS. **Exp Brain Res** 1985;60(2):318–22

Ontogeny of substance P-like immunoreactive fibers in the taste buds and their surrounding epithelium of the circumvallate papillae of the rat. II. Electron microscopic analysis. Yamasaki H, et al. **J Comp Neurol** 1985 Nov 22; 241(4):493–502

Contribution of the receptor and basolateral membranes to the resting potential of a frog taste cell. Okada Y, et al. **Jpn J Physiol** 1986;36(1):139–50

Bitterness suppression as revealed by split-tongue taste stimulation in humans. Kroeze JH, et al. **Physiol Behav** 1985 Nov;35(5):779–83

Salt-acid confusion on the single fungiform papilla: effect of changing acid sensitivity. McCutcheon NB. **Physiol Behav** 1986;36(6):1081–8

Effects of gustatory deafferentation on ingestion of taste solutions as seen by licking behavior in rats. Yamamoto T, et al. **Physiol Behav** 1986;37(2):299–305

PHYSIOPATHOLOGY

[Lack of effect of parathyroid hormone on taste sensation in patients with acute and chronic renal failure] Bystroń-Prajsner U, et al. **Pol Arch Med Wewn** 1986 Feb; 75(2):89–94 (Eng. Abstr.) **(Pol)**

ULTRASTRUCTURE

Dividing type II cell in rabbit taste bud. Toyoshima K, et al. **Anat Rec** 1986 Feb;214(2):161–4

Effects of colchicine on the ultrastructure of mouse taste buds. Takeda M, et al. **Cell Tissue Res** 1985;242(2):409–16

TASTE DISORDERS

CHEMICALLY INDUCED

Metallic taste associated with tetracycline therapy. Magnasco LD, et al. **Clin Pharm** 1985 Jul-Aug;4(4):455–6

[Taste aversions in lung cancer patients treated with cytostatics] Olafsdottir M, et al. **Lakartidningen** 1986 Jan 15;83(3):124–5, 128–9 **(Swe)**

DIAGNOSIS

Taste. Van Haesendonck J. **Acta Otorhinolaryngol Belg** 1986; 40(1):283–94

ETIOLOGY

Electrogustometry in hemodialysis patients. Ralli G, et al. **Acta Otorhinolaryngol Belg** 1985;39(5):822–31

Gustatory tissue injury in man: radiation dose response relationships and mechanisms of taste loss. Mossman KL. **Br J Cancer [Suppl]** 1986;7:9–11

Hemiageusia, hemianaesthesia and hemiatrophy of the tongue. Strong MJ, et al. **Can J Neurol Sci** 1986 May; 13(2):109–10

Electrogustometry in Hansen's disease (study of 225 cases). Rathi SS, et al. **Int J Lepr Other Mycobact Dis** 1986 Jun; 54(2):252–5

Oral side effects of head and neck irradiation: correlation between clinical manifestations and laboratory data. Kuten A, et al. **Int J Radiat Oncol Biol Phys** 1986 Mar;12(3):401–5

Quantitative examination of taste deficiency due to radiation therapy. Sato K, et al. **Radiat Med** 1984 Jan-Mar;2(1):61–70

[Changes in the sense of taste in glucocorticoid-induced adrenal cortex insufficiency] Tjønneland A. **Ugeskr Laeger** 1986 Feb 24;148(9):518 (Eng. Abstr.) **(Dan)**

[A case of sensory disturbance of left 5th finger associated with gustatory disturbance] Jyoichi T, et al. **Rinsho Shinkeigaku** 1985 Sep;25(9):1066–9 (Eng. Abstr.) **(Jpn)**

METABOLISM

Low parotid saliva calmodulin in patients with taste and smell dysfunction. Law JS, et al. **Biochem Med Metab Biol** 1986 Aug;36(1):118–24

TASTE THRESHOLD see under **TASTE**

TATTOOING

Tattoos from insulin needles. Shelley WB, et al. **Ann Intern Med** 1986 Oct;105(4):549–50

Medical identification [letter] Rudoff J, et al. **Arch Intern Med** 1986 Jul;146(7):1455

Eyelid tattooing: is it here to stay? [letter] Alpar JJ. **Arch Ophthalmol** 1986 May;104(5):637

Eyelid tattooing. A sign of the times [editorial] Anderson RL. **Arch Ophthalmol** 1985 Oct;103(10):1469–71

Eyelid tattooing [letter] Morris JM. **Arch Ophthalmol** 1986 Mar;104(3):334–6

Precise dermal damage with an infrared coagulator. Colver

GB, et al. **Br J Dermatol** 1986 May;114(5):603–8
The surgical removal of amateur tattoos. Harrison PV. **Clin Exp Dermatol** 1985 Nov;10(6):540–4
Sarcoidal granulomas in tattoos. Blobstein SH, et al. **Cutis** 1985 Nov;36(5):423–4
The removal of digital tattoos. Colver GB, et al. **Int J Dermatol** 1985 Nov;24(9):567–8 (9 ref.)
A simplified method of focal salabrasion for removal of linear tattoos. Johannesson A. **J Dermatol Surg Oncol** 1985 Oct; 11(10):1004–5
Histologic comparison of argon and tunable dye lasers in the treatment of tattoos. Diette KM, et al. **J Invest Dermatol** 1985 Oct;85(4):368–73
Preliminary investigation of KTP/532 laser light in the treatment of hemangiomas and tattoos. Apfelberg DB, et al. **Lasers Surg Med** 1986;6(1):38–42, 56–7
The "chemo-laser" technique for the treatment of decorative tattoos: a more complete dye-removal procedure. Dismukes DE. **Lasers Surg Med** 1986;6(1):59–61
Physicians as tattoo artists [letter] Margo CE. **N Engl J Med** 1985 Nov 7;313(19):1234
The use of intradermal tattoo to enhance the final result of nipple-areola reconstruction. Becker H. **Plast Reconstr Surg** 1986 Apr;77(4):673–6
Traumatic tattoos treated by salabrasion. Neely JL, et al. **W Va Med J** 1986 Jan;82(1):5–6
[Removal of tattoos by excision and spontaneous epithelization under SYSpur-derm] Lohfink HD. **Dermatol Monatsschr** 1985;171(7):434–7 (Eng. Abstr.) **(Ger)**
[Therapy of dirt tattooing] Oberascher G. HNO 1985 Nov; 33(11):493–4 (Eng. Abstr.) **(Ger)**
[Atraumatic wound dressing from the dermatologic viewpoint] Effendy I, et al. **Z Hautkr** 1985 Dec 15; 60(24):1965–9 (Eng. Abstr.) **(Ger)**
[Removal of ornamental and dirt tattoos from the face] Gehring W, et al. **Z Hautkr** 1985 Sep 1;60(17):1373–81 (Eng. Abstr.) **(Ger)**
[Tattoo treatment with cryotherapy] Lembo G, et al. **G Ital Dermatol Venereol** 1983 May-Jun;118(3):187–8 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Clinicopathologic correlate of a fresh eyelid pigment implantation. Tse DT, et al. **Arch Ophthalmol** 1985 Oct; 103(10):1515–7
The relationship of tattooing to hepatitis B virus exposure [letter] Reed BE, et al. **Aust NZ J Med** 1985 Dec; 15(6):769–70
Systemic sarcoidal reaction in tattoo. Hanada K, et al. **Clin Exp Dermatol** 1985 Sep;10(5):479–84
Inoculation leprosy developing after tattooing—a case report. Singh G, et al. **Indian J Lepr** 1985 Oct–Dec;57(4):887–8
Potential hazards of blepharopigmentation. Kreter JK, et al. **Ophthalmic Surg** 1985 Nov;16(11):693–5
Carbon dioxide laser treatment of granulomatous reactions in tattoos. Koranda FC, et al. **Otolaryngol Head Neck Surg** 1986 Mar;94(3):384–7

METHODS

Blepharopigmentation and eyebrow enhancement techniques for maximum cosmetic results. Angres GG. **Ann Ophthalmol** 1985 Oct;17(10):605–11
Corneal tattooing—experiences with "lamellar pocket procedure". Panda A, et al. **Indian J Ophthalmol** 1984 Sep–Oct;32(5):408–11
Blepharopigmentation procedure guidelines [letter] Angres GG. **Plast Reconstr Surg** 1986 Feb;77(2):338

VETERINARY

Ear tattooing as a method of spread of bovine leukosis virus infection. Lucas MH, et al. **Br Vet J** 1985 Nov-Dec; 141(6):647–9

TAURINE

Taurine. Biological actions and clinical perspectives. Proceedings of a satellite symposium of the 9th IUPHAR Congress of Pharmacology. Helsinki, August 6–8, 1984. **Prog Clin Biol Res** 1985;179:1–483

ADMINISTRATION & DOSAGE

Taurine supplementation in infants receiving long-term total parenteral nutrition. Ament ME, et al. **J Am Coll Nutr** 1986;5(2):127–35
Renal cortex taurine concentration regulates renal adaptive response to altered dietary intake of sulfur amino acids. Chesney RW, et al. **Prog Clin Biol Res** 1985;179:33–42

ANALOGS & DERIVATIVES

Comparison of central nervous system actions of taurine and N-pivaloyltaurine. Ahtee L, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Aug;57(2):96–105
Effect of glutaurine on sleep-wakefulness cycle and aggressive behaviour in the cat. Kukorelli T, et al. **Acta Physiol Hung** 1986;67(1):31–5
Gamma-L-glutamyl-taurine (Litoralon) affects conditioned taste aversion in rats. Schulz H, et al. **Acta Physiol Hung** 1986;67(2):233–42
Anticonflict properties of the dipeptide Litoralon and of diazepam in rats. Schulz H, et al. **Acta Physiol Hung** 1986; 67(3):331–8
Chemical nature of a synthetic bilirubin conjugate and its reactivities in the total and direct reactions by the Jendrassik-Grof method. Doumas BT, et al. **Clin Chem** 1985 Oct;31(10):1677–82
Positive inotropic effect of some taurine-related compounds on guinea-pig ventricular strips perfused with low calcium medium. Franconi F, et al. **Eur J Pharmacol** 1986 May 13;124(1–2):129–33
Electroretinographic deficits in rats treated with guanidinoethyl sulfonate, a depletor of taurine. Lake N. **Exp Eye Res** 1986 Jan;42(1):87–91
Determination of cysteinesulfinate, hypotaurine and taurine in physiological samples by reversed-phase high-performance liquid chromatography. Hirschberger LL, et al. **J Chromatogr** 1985 Oct 11;343(2):303–13
Quantitative overestimation of free taurocyamine using short liquid cation-exchange chromatography columns? Marescau B, et al. **J Chromatogr** 1985 Nov 29;345(1):215–7
Taurocyamine in cerebrospinal fluid of neurological and psychiatric patients [letter] Wiechert P, et al. **J Neurol Neurosurg Psychiatry** 1986 Jun;49(6):716–7
Hypotaurine uptake by the retina. Pasantes-Morales H, et al. **J Neurosci Res** 1986;15(1):101–9
A new diazirine for protein modification by flash photolysis: comparison with an azide. Johnson DF, et al. **Photochem Photobiol** 1986 Jun;43(6):601–6
The biological oxidation of hypotaurine to taurine: hypotaurine as an antioxidant. Fellman JH, et al. **Prog Clin Biol Res** 1985;179:71–82
Reduced taurine contents and modification of anticonvulsive effects of phenobarbital and phenytoin by guanidinoethane sulfonate in mice. Izumi K, et al. **Prog Clin Biol Res** 1985; 179:425–34
Hypotaurine oxidation by mouse liver tissue. Kontro P, et al. **Prog Clin Biol Res** 1985;179:83–90
Effects of taurine and taurine analogues on aggressive behavior. Mandel P, et al. **Prog Clin Biol Res** 1985; 179:449–58
gamma-Glutamyltransferase in the brain and its role in formation of gamma-L-glutamyl-taurine. Varga V, et al. **Prog Clin Biol Res** 1985;179:115–25

ANALYSIS

Ontogenetic pattern of taurine and free thiols in liver, heart and brain of rat. Bhargava HK, et al. **Indian J Exp Biol** 1985 Sep;23(9):505–7
Determination of cysteinesulfinate, hypotaurine and taurine in physiological samples by reversed-phase high-performance liquid chromatography. Hirschberger LL, et al. **J Chromatogr** 1985 Oct 11;343(2):303–13
Immunological approach to the detection of taurine and immunocytochemical results. Campistron G, et al. **J Neurochem** 1986 Mar;46(3):862–8
Taurine content and amino acid composition of human acrosome. Velázquez A, et al. **Life Sci** 1986 Mar 17; 38(11):991–5
Taurine and other free amino acids in the retina, vitreous, lens, iris-ciliary body, and cornea of the rat eye. Heinämäki AA, et al. **Neurochem Res** 1986 Apr;11(4):535–42
Demonstration of taurine-like immunoreactive structures in the rat brain. Yoshida M, et al. **Neurosci Res** 1986 May; 3(4):356–63

BIOSYNTHESIS

Regulatory role of cysteine dioxygenase in cerebral biosynthesis of taurine. Analysis using cerebellum from 3-acetylpyridine-treated rat. Ida S, et al. **Brain Res** 1985 Sep 30;344(1):62–9
New evidence for taurine biosynthesis in man obtained from 18O2 inhalation studies. Irving CS, et al. **Life Sci** 1986 Feb 10;38(6):491–5
The biological oxidation of hypotaurine to taurine: hypotaurine as an antioxidant. Fellman JH, et al. **Prog Clin Biol Res** 1985;179:71–82
Alteration of cerebral biosynthesis of taurine in spontaneously hypertensive and 3-acetylpyridine intoxicated rats. Kuriyama K, et al. **Prog Clin Biol Res** 1985;179:91–103

BLOOD

Taurine concentrations in plasma and blood cells of patients undergoing long-term parenteral nutrition. Vinton NE, et al. **Am J Clin Nutr** 1986 Sep;44(3):398–404
Taurine levels in blood and urine of vitamin B6-deficient and estrogen-treated rats. Lombardini JB. **Biochem Med Metab Biol** 1986 Apr;35(2):125–31
Blood platelets: accumulation and release of taurine. Passonen MK, et al. **Prog Clin Biol Res** 1985;179:225–33

DEFICIENCY

Response of the kitten to dietary taurine depletion: effects on renal reabsorption, bile acid conjugation and activities of enzymes involved in taurine synthesis. Rentschler LA, et al. **Comp Biochem Physiol [B]** 1986;84(3):319–25
Retinal degeneration induced by taurine deficiency in light-deprived cats. Pasantes-Morales H, et al. **Exp Eye Res** 1986 Jul;43(1):55–60
Abnormal visual cortex development in the kitten associated with maternal dietary taurine deprivation. Palackal T, et al. **J Neurosci Res** 1986;15(2):223–39
Feline maternal taurine deficiency: effect on mother and offspring. Sturman JA, et al. **J Nutr** 1986 Apr;116(4):655–67
Ursodeoxycholate-induced choleresis in taurine-deprived and taurine-supplemented rats. Kitani K, et al. **Jpn J Physiol** 1985;35(3):443–62

DIAGNOSTIC USE

Use of a gamma-labeled bile acid (75SeHCAT) as a test of ileal function. Methods of improving accuracy. Ferraris R, et al. **Gastroenterology** 1986 May;90(5 Pt 1):1129–36

METABOLISM

Taurine concentrations in fetal, neonatal and pregnant rats. Akahori S, et al. **Acta Med Okayama** 1986 Apr;40(2):93–101
Ionic requirements of peritubular taurine transport in Fundulus kidney. Wolff NA, et al. **Am J Physiol** 1986 Jun; 250(6 Pt 2):R984–90
Taurine: biological update. Wright CE, et al. **Annu Rev Biochem** 1986;55:427–53 (259 ref.)
A comparison by species, age and sex of cysteinesulfinate decarboxylase activity and taurine concentration in liver and brain of animals. Worden JA, et al. **Comp Biochem Physiol [B]** 1985;82(2):233–9
Cathepsin B and D, and Ca2+-dependent neutral protease activities in the retina of taurine-depleted rats. Tsung PK, et al. **Exp Eye Res** 1985 Sep;41(3):285–90
Pancreatic carboxypeptidase hydrolysis of bile acid-amino conjugates: selective resistance of glycine and taurine amidates. Huijghebaert SM, et al. **Gastroenterology** 1986 Feb;90(2):306–15
Renal cortex taurine content regulates renal adaptive response to altered dietary intake of sulfur amino acids. Chesney RW, et al. **J Clin Invest** 1985 Dec;76(6):2213–21
Taurine transport by the flounder (Pseudopleuronectes americanus) intestine. King PA, et al. **J Exp Zool** 1986 Apr;238(1):11–6
Regulation of taurine transport in rat skeletal muscle. Iwata H, et al. **J Neurochem** 1986 Jul;47(1):158–63
Mutual inhibition kinetic analysis of gamma-aminobutyric acid, taurine, and beta-alanine high-affinity transport into neurons and astrocytes: evidence for similarity between the taurine and beta-alanine carriers in both cell types. Larsson OM, et al. **J Neurochem** 1986 Aug;47(2):426–32
Beta-receptor-stimulated and cyclic adenosine 3',5'-monophosphate-mediated taurine release from LRM55 glial cells. Madelian V, et al. **J Neurosci** 1985 Dec; 5(12):3154–60
Pharmacological identification of retinal cells releasing taurine by light stimulation. Salazar P, et al. **J Neurosci Res** 1986;15(3):383–91
[3H]taurine binding on a cardiac sarcoplasmic fraction from rats, rabbits and pigs. Quennedey MC, et al. **J Pharm Pharmacol** 1986 Jan;38(1):73–6
Taurine transport associated with cell volume regulation in flounder erythrocytes under anisosmotic conditions. Fugelli K, et al. **J Physiol (Lond)** 1986 May;374:245–61
High-affinity uptake of taurine and beta-alanine in primary cultures of rat astrocytes. Holopainen I, et al. **Neurochem Res** 1986 Feb;11(2):207–15
Immunocytochemical visualization of taurine: neuronal localization in the rat cerebellum. Madsen S, et al. **Neurosci Lett** 1985 Oct 10;60(3):255–60
Variation of potassium ion concentrations in the rat hippocampus specifically affects extracellular taurine levels. Solis JM, et al. **Neurosci Lett** 1986 May 23;66(3):263–8
gamma-Aminobutyric acid and taurine release in the striatum of the rat during hypoglycemic coma, studied by microdialysis. Tossman U, et al. **Neurosci Lett** 1985 Dec 4;62(2):231–5
Developmental aspects of renal beta-amino acid transport. V: Brush border membrane transport in nursing animals—effect of age and diet. Chesney RW, et al. **Pediatr Res** 1986 Sep;20(9):890–4
Bioavailability of orally administered zinc, using Taurizine. Duisterwinkel FJ, et al. **Pharm Weekbl [Sci]** 1986 Feb 21; 8(1):85–8
Lead administration during gestation and suckling transiently elevates taurine concentration in the brain of developing rats. Ahtee L, et al. **Prog Clin Biol Res** 1985;179:63–8
Muscle taurine in chicken and diseased human muscle. Airaksinen EM, et al. **Prog Clin Biol Res** 1985;179:407–12
Renal cortex taurine concentration regulates renal adaptive response to altered dietary intake of sulfur amino acids. Chesney RW, et al. **Prog Clin Biol Res** 1985;179:33–42
Specific increase of taurine in denervated skeletal muscle. Iwata H, et al. **Prog Clin Biol Res** 1985;179:397–405
Reduced taurine contents and modification of anticonvulsive effects of phenobarbital and phenytoin by guanidinoethane sulfonate in mice. Izumi K, et al. **Prog Clin Biol Res** 1985; 179:425–34
Properties of sodium-independent taurine binding to brain synaptic membranes. Kontro P, et al. **Prog Clin Biol Res** 1985;179:249–59
Taurine can form small peptides with a number of amino acids. Lähdesmäki P, et al. **Prog Clin Biol Res** 1985; 179:105–14
In vivo regulation of extracellular taurine and other neuroactive amino acids in the rabbit hippocampus. Lehmann A, et al. **Prog Clin Biol Res** 1985;179:289–311 (47 ref.)

The osmoregulatory function of taurine and glutamic acid. van Gelder NM, et al. **Prog Clin Biol Res** 1985;179:149–63 (29 ref.)
Taurine scavenges oxidized chlorine in biological systems. Wright CE, et al. **Prog Clin Biol Res** 1985;179:137–47
Immunocytochemical and physiological identification of taurine neurons in the mammalian CNS. Wu JY, et al. **Prog Clin Biol Res** 1985;179:261–70
Taurine transport and metabolism in human retinoblastoma cells. Yorek MA, et al. **Prog Clin Biol Res** 1985;179:361–70
[Taurine—an interesting amino acid] Madsen S, et al. **Tidsskr Nor Laegeforen** 1986 Feb 10;106(4):320–2 (Eng. Abstr.) (Nor)

PHARMACODYNAMICS

Comparison of central nervous system actions of taurine and N-pivaloyltaurine. Ahtee L, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Aug;57(2):96–105
Changes in blood pressure and extracellular fluid with taurine in DOCA-salt rats. Fujita T, et al. **Am J Physiol** 1986 Jun; 250(6 Pt 2):R1014–20
Inhibitory amino acid effects upon cortical evoked potentials. Rossi ST, et al. **An Acad Bras Cienc** 1985 Mar;57(1):111–3
Taurine effects on the transition temperature in Arrhenius plots of ATP-dependent calcium ion uptake in rat retinal membrane preparations. Lombardini JB. **Biochem Pharmacol** 1985 Oct 15;34(20):3741–5
Contralateral circling behavior induced by intranigral microinjections of taurine and GABA in rats. Kamata K, et al. **Brain Res** 1985 Sep 23;343(2):275–82
Effects on the caudate spindle in rats of taurine and gamma-aminobutyric acid (GABA) microinjected into the substantia nigra: involvement of the dopaminergic system. Okuyama S, et al. **Brain Res** 1985 Sep 9;342(2):366–8
Effects of taurine on the electrical and mechanical activities of embryonic chick heart. Sawamura A, et al. **Can J Physiol Pharmacol** 1986 May;64(5):649–55
Effects of taurine and verapamil on heart calcium in hamsters and rats. McBroom MJ, et al. **Comp Biochem Physiol [C]** 1985;82(2):279–81
Positive inotropic effect of some taurine-related compounds on guinea-pig ventricular strips perfused with low calcium medium. Franconi F, et al. **Eur J Pharmacol** 1986 May 13;124(1–2):129–33
Acute effects of taurine and a taurine antagonist on ethanol-induced central nervous system depression. Mattucci-Schiavone L, et al. **Eur J Pharmacol** 1985 Jul 17;113(2):275–8
Electroencephalographic study of SR 95103, a GABAA antagonist: interaction with inhibitory amino acids and muscimol. Santucci V, et al. **Eur J Pharmacol** 1985 Aug 15;114(2):219–22
Protective effect of taurine against decline of cardiac slow action potentials during hypoxia. Sawamura A, et al. **Eur J Pharmacol** 1986 Jan 21;120(2):235–9
Lowering of liver acetaldehyde but not ethanol concentrations by pretreatment with taurine in ethanol-loaded rats. Watanabe A, et al. **Experientia** 1985 Nov 15;41(11):1421–2
Taurine and ethanol-induced sleeping time in mice: route and time course effects. McBroom MJ, et al. **Gen Pharmacol** 1986;17(1):97–100
Ileal resection: effect of cimetidine and taurine on intrajejunal bile acid precipitation and lipid solubilisation. Fitzpatrick WJ, et al. **Gut** 1986 Jan;27(1):66–72
Effects of taurine on stress-evoked hemodynamic and plasma catecholamine changes in spontaneously hypertensive rats. Yamamoto J, et al. **Hypertension** 1985 Nov–Dec;7(6 Pt 1):913–22
Functional and binding evidence of taurine inhibition of alpha-adrenoceptor effects on guinea-pig ventricle. Franconi F, et al. **J Mol Cell Cardiol** 1986 May;18(5):461–8
Inhibitory action of taurine on motoneuron of frog spinal cord. Kurachi M, et al. **J Pharmacobiodyn** 1985 Sep; 8(9):733–7
Comparative cardiorespiratory effects produced by taurine and glycine applied to the ventral surface of the medulla. Gatti PJ, et al. **J Pharmacol Exp Ther** 1985 Dec; 235(3):820–8
Both taurine and albumin support mouse sperm motility and fertilizing ability in vitro but there is no obligatory requirement for taurine. Fraser LR. **J Reprod Fertil** 1986 May;77(1):271–80
Modulation by taurine of the toxicity of taumustine, a compound with antitumor activity. Pierson HF, et al. **JNCI** 1985 Nov;75(5):905–9
Centrally induced vasodepressor and sympathetic nerve responses to taurine. Inoue A, et al. **Jpn Circ J** 1985 Nov; 49(11):1180–4
Effects of taurine on neutrophil function in hyperlipidemic rats. Masuda M, et al. **Jpn J Pharmacol** 1986 Mar; 40(3):478–80
Taurine's possible protective role in age-dependent response to calcium paradox. Takihara K, et al. **Life Sci** 1985 Nov 4;37(18):1705–10
Modulation of the GABA-benzodiazepine receptor complex by taurine in rat brain membranes. Malminen O, et al. **Neurochem Res** 1986 Jan;11(1):85–94
Inhibitory effect of taurine on 4-aminopyridine-stimulated release of labelled dopamine from striatal synaptosomes. Arzate ME, et al. **Neuropharmacology** 1986 Jul;25(7):689–94
The action of taurine on the response to glutamate in the motoneuron of the isolated frog spinal cord. Kurachi M, et al. **Neuropharmacology** 1985 Aug;24(8):775–81
Atrial natriuretic factor in taurine-treated normal and cardiomyopathic hamsters. Dlouha H, et al. **Proc Soc Exp Biol Med** 1986 Mar;181(3):411–5
The interaction of taurine and glutamate metabolism in brains of genetically seizure susceptible and seizure resistant rats. Bonhaus DW, et al. **Proc West Pharmacol Soc** 1985; 28:103–5
Taurine and its derivatives alter brain dopamine metabolism similarly to GABA in mice and rats. Ahtee L, et al. **Prog Clin Biol Res** 1985;179:331–41
A protective effect of taurine on "hypoxic" and "reoxygenated" guinea pig heart. Franconi F, et al. **Prog Clin Biol Res** 1985;179:177–82
Inhibition by taurine of the phosphorylation of rat retinal membranes. Lombardini JB. **Prog Clin Biol Res** 1985; 179:383–93
Effects of taurine and taurine analogues on aggressive behavior. Mandel P, et al. **Prog Clin Biol Res** 1985; 179:449–58
Dietary taurine is necessary for normal retinal development in monkeys. Neuringer M, et al. **Prog Clin Biol Res** 1985; 179:53–62
Effect of taurine depletion and treatment on cardiac contractility and metabolism. Schaffer SW, et al. **Prog Clin Biol Res** 1985;179:167–75
The role and mechanism of action of taurine in mammalian thermoregulation. Sgaragli GP, et al. **Prog Clin Biol Res** 1985;179:343–57 (22 ref.)
Taurine on hippocampal slices: comparison to GABA and glycine, and antagonism by 4-aminopyridine. Zeise M. **Prog Clin Biol Res** 1985;179:281–7
[Comparison of the effects of taurine and magnesium on electrical characteristics of artificial and natural membranes. V. Study on the human amnion of the antagonism between magnesium, taurine and polluting metals] Bara M, et al. **Magnesium** 1985;4(5–6):325–32 (Eng. Abstr.) (Fre)
[Comparison of the effects of taurine and magnesium on electrical characteristics of artificial and natural membranes. IV. Effects on different components of the paracellular and cellular conductances of the human amnion] Guiet-Bara A, et al. **Magnesium** 1985; 4(5–6):319–24 (Eng. Abstr.) (Fre)
[Effect of taurine on Ca, Mg-ATPase activity in human platelets and on their aggregation] Almazov VA, et al. **Biull Eksp Biol Med** 1985 Oct;100(10):398–400 (Eng. Abstr.) (Rus)

PHYSIOLOGY

On the role of taurine in the cerebellar cortex: a reappraisal. Bernardi N. **Acta Physiol Pharmacol Latinoam** 1985; 35(2):153–64
Taurine: its biological role and clinical implications. Chesney RW. **Adv Pediatr** 1985;32:1–42 (153 ref.)
Effect of drug-induced taurine depletion on cardiac contractility and metabolism. Mozaffari MS, et al. **Biochem Pharmacol** 1986 Mar 15;35(6):985–9
Possible involvement of taurine and GABA in morphine-like peptide actions. Izumi K, et al. **Int J Neurol** 1980; 14(2–4):253–68
Taurine as a conditionally essential nutrient in man. Gaull GE. **J Am Coll Nutr** 1986;5(2):121–5
Taurine in human nutrition: overview. Gaull GE, et al. **Prog Clin Biol Res** 1985;179:3–21 (60 ref.)
Effect of taurine on cardiovascular disturbances in rats with chronic renal failure. Michalk DV, et al. **Prog Clin Biol Res** 1985;179:183–94
Taurine: a physiological stabilizer of photoreceptor membranes. Pasantes-Morales H, et al. **Prog Clin Biol Res** 1985;179:371–81 (29 ref.)
Pharmacological evidence for taurine as an inhibitory neurotransmitter in the cerebellum. Sakai Y, et al. **Prog Clin Biol Res** 1985;179:313–9 (15 ref.)
Possible involvement of calmodulin in modulatory role of taurine in rat cerebral beta-adrenergic neurons. Segawa T, et al. **Prog Clin Biol Res** 1985;179:321–30
Taurine deficiency in the developing cat: persistence of the cerebellar external granule cell layer. Sturman JA, et al. **Prog Clin Biol Res** 1985;179:43–52

SECRETION

Properties of spontaneous and evoked release of taurine from hypothalamic crude P2 synaptosomal preparations. Hanretta AT, et al. **Brain Res** 1986 Jul 23;378(2):205–15
Activation of beta-adrenergic receptors stimulates release of an inhibitory transmitter from astrocytes. Shain W, et al. **J Neurochem** 1986 Apr;46(4):1298–303
Mechanisms of stimulated taurine release from nervous tissue. Oja SS, et al. **Prog Clin Biol Res** 1985;179:237–47

THERAPEUTIC USE

The antihypertensive effect of taurine in DOCA-salt rats. Fujita T, et al. **J Hypertension [Suppl]** 1984 Dec; 2(3):S563–5
Could supplementary dietary tryptophan and taurine prevent epileptic seizures? Maurizi CP. **Med Hypotheses** 1985 Dec; 18(4):411–5
Taurine and failing heart: experimental and clinical aspects. Azuma J, et al. **Prog Clin Biol Res** 1985;179:195–213
Taurine and related amino acids in seizure disorders—current controversies. Fariello RG, et al. **Prog Clin Biol Res** 1985; 179:413–24 (42 ref.)
[Use of taurine in optic atrophy. Preliminary report] Stankiewicz A, et al. **Klin Oczna** 1985 Jun;87(6):245–6 (Eng. Abstr.) (Pol)

TOXICITY

Effect of taurine administration on liver lipids in guinea pig. Cantafora A, et al. **Experientia** 1986 Apr 15;42(4):407–8

URINE

Reduced plasma haptoglobin and urinary taurine in familial seizures identified through the multisib strategy. Haines JL, et al. **Am J Med Genet** 1986 Aug;24(4):723–34
Composition of urinary metabolites and variation of urinary taurine levels in rats injected with chlorobenzene. Yoshida M, et al. **Ind Health** 1985;23(3):239–43

TAURINE CHOLATE see **TAUROCHOLIC ACID**

TAUROCHENODEOXYCHOLIC ACID see under **CHENODEOXYCHOLIC ACID**

TAUROCHOLATE see **TAUROCHOLIC ACID**

TAUROCHOLIC ACID

Influence of dilution on the physical state of model bile systems: NMR and quasi-elastic light-scattering investigations. Stark RE, et al. **Biochemistry** 1985 Sep 24; 24(20):5599–605
Induction of experimental atrophic gastritis by N-methyl-N'-nitro-N-nitrosoguanidine or taurocholic acid in Donryu rats. Kishimoto S, et al. **Hiroshima J Med Sci** 1986 Mar;35(1):71–9

ANALOGS & DERIVATIVES

SeHCAT in the newborn [letter] Morgan I, et al. **Br J Radiol** 1985 Mar;58(687):273
Staying cool with a hot test: gastroenterologists and 75SeHCAT [editorial] Heaton KW. **Br Med J [Clin Res]** 1986 Jun 7;292(6534):1480–1
The pathogenesis of post-irradiation chronic diarrhoea: measurement of SeHCAT and B12 absorption for differential diagnosis determines treatment. Ludgate SM, et al. **Clin Radiol** 1985 May;36(3):275–8
Use of a gamma-labeled bile acid (75SeHCAT) as a test of ileal function. Methods of improving accuracy. Ferraris R, et al. **Gastroenterology** 1986 May;90(5 Pt 1):1129–36
Use of 23-selena-25-homocholyltaurine to detect bile acid malabsorption in patients with illeal dysfunction or diarrhea. Sciarretta G, et al. **Gastroenterology** 1986 Jul; 91(1):1–9

ANTAGONISTS & INHIBITORS

Effect of cimetidine and omeprazole on aspirin and taurocholate-induced gastric mucosal damage [letter] Rowe PH, et al. **Gut** 1986 May;27(5):589

METABOLISM

Role of extracellular Ca2+ in hepatic bile formation and taurocholate transport. Anwer MS, et al. **Am J Physiol** 1985 Dec;249(6 Pt 1):G711–8
Effect of glucagon on hepatic taurocholate uptake: relationship to membrane potential. Edmondson JW, et al. **Am J Physiol** 1985 Oct;249(4 Pt 1):G427–33
Only free bile acid drives ileal absorption of taurocholate. Luxon BA, et al. **Am J Physiol** 1986 May;250(5 Pt 1):G648–52
Conjugation of cholic acid with taurine and glycine by rat liver peroxisomes. Kase BF, et al. **Biochem Biophys Res Commun** 1986 Jul 16;138(1):167–73
Kinetic evaluation of carrier-mediated transport of ouabain and taurocholic acid in isolated rat hepatocytes. Evidence for independent transport systems. Eaton DL, et al. **Biochem Pharmacol** 1986 Aug 15;35(16):2721–5
Initial rate of sodium taurocholate uptake in isolated elutriated hepatocytes from untreated and phenobarbital-treated rats. Willson RA, et al. **Biochem Pharmacol** 1985 Dec 15;34(24):4257–62
The effect of dibutyryl cyclic AMP on the uptake of taurocholic acid by isolated rat liver cells. Botham KM, et al. **Biochim Biophys Acta** 1986 Aug 6;883(1):26–32
Vesicle formation in aqueous solutions of bile salt and monoacylglycerol. Schurtenberger P, et al. **Biochim Biophys Acta** 1986 Jul 16;882(3):465–8
Determination of kinetic parameters of a carrier-mediated transport in the perfused intestine by two-dimensional laminar flow model: effects of the unstirred water layer. Yuasa H, et al. **Biochim Biophys Acta** 1986 Apr 14; 856(2):219–30
Increase in the ileal absorption rate of sodium taurocholate in germ-free or conventional rats given an amylomaize-starch diet. Riottot M, et al. **Br J Nutr** 1985 Mar;53(2):307–10
Biliary excretion of [14C]taurocholate by rainbow trout (Salmo gairdneri) is stimulated at warmer acclimation temperature. Curtis LR, et al. **Comp Biochem Physiol [C]** 1986;84(1):87–90

Taurocholate transport by rat intestinal basolateral membrane vesicles. Evidence for the presence of an anion exchange transport system. Weinberg SL, et al. **J Clin Invest** 1986 Jul;78(1):44–50

[A study on the mechanism of bile acid transport in the human placenta (the passive transport system of taurocholate across microvillous membrane)] Iioka H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Jun; 38(6):837–44 (Eng. Abstr.) **(Jpn)**

[Effect of pectin on fatty acid absorption and unstirred water layer] Fuse K, et al. **Nippon Shokuhinyo Gakkai Zasshi** 1985 Oct;82(10):2658 **(Jpn)**

PHARMACODYNAMICS

Ontogeny of gastric mucosal permeability responses to luminal H+ and bile salt in the rat. Tepperman BL, et al. **Am J Physiol** 1986 May;250(5 Pt 1):G617–24

Parcellular back-diffusion of H+ across bullfrog fundic mucosa resulting from Ca2+ depletion and its effects on taurocholate-induced mucosal injury. Allison JG, et al. **Am Surg** 1986 Apr;52(4):226–32

Control of biliary phospholipid secretion. Effect of continuous and discontinuous infusion of taurocholate on biliary phospholipid secretion. Rahman K, et al. **Biochem J** 1986 Mar 1;234(2):421–7

Effect of sodium taurocholate and sodium cholate on short-circuit current on amphibian membranes. Alonso CE, et al. **Comp Biochem Physiol [A]** 1986;84(2):271–3

Effects of taurocholate infusion on biliary excretion in isolated perfused rat livers. Decreased biliary excretion of dibromosulfophthalein in pregnancy. Durham S, et al. **Drug Metab Dispos** 1985 Nov–Dec;13(6):695–9

The maximal biliary excretory rate (Tm) of ioglycamide in the rat. Effect of taurocholate. Mesa VA, et al. **J Hepatol** 1985;1(3):243–52

Effect of sodium taurocholate on amiloride-inhibitable sodium uptake and on intracellular pH of isolated rat hepatocytes. Bear CE, et al. **J Lab Clin Med** 1986 Aug; 108(2):109–16

Effect of synthetic surfactants on drug absorption in the presence of a physiologic surfactant, sodium taurocholate, in rats. Kimura T, et al. **J Pharmacobiodyn** 1985 Aug; 8(8):661–8

Taurocholate and steroid glucuronides: mutual protection against cholestasis in the isolated perfused rat liver. Durham S, et al. **J Pharmacol Exp Ther** 1986 May;237(2):490–5

TAURODEOXYCHOLIC ACID see under **DEOXYCHOLIC ACID**

TAUROLITHOCHOLIC ACID see under **LITHOCHOLIC ACID**

TAX EQUITY AND FISCAL RESPONSIBILITY ACT see under **TAXES**

TAXES

Pharmacists are being taxed twice by inequities of the reimbursement system. Rhudy MH. **Am Pharm** 1985 Oct; NS25(10):40–2

Data note—1. Alcohol, tobacco and taxation. Godfrey C, et al. **Br J Addict** 1986 Feb;81(1):143–9

New federal regulations and the future practice of cytology. Japko L. **Diagn Cytopathol** 1985 Oct–Dec;1(4):263–6

Medicare risk contracting: promise and problems. Ellwood DA. **Health Aff (Millwood)** 1986 Spring;5(1):183–9

Health care and taxes [letter] Goel TC. **J Indian Med Assoc** 1984 Jul;82(7):264

Strategies to reduce cigarette sales. Excise taxes and beyond. Blum A. **JAMA** 1986 Feb 28;255(8):1049–50

Smoking and health implications of a change in the federal cigarette excise tax. Warner KE. **JAMA** 1986 Feb 28; 255(8):1028–32

A national foundation for a smoke-free society, financed by tobacco taxes [letter] Nordenstam GR. **N Engl J Med** 1986 Jul 24;315(4):265

Goods and services tax [letter] Booth B. **NZ Med J** 1986 Jun 11;99(803):425

Estate planning for the unique assets of a physician. Budras JL. **Ohio State Med J** 1985 Oct;81(10):736–9

LEGISLATION & JURISPRUDENCE

IRS probing restructured hospitals' tax status. Burda D. **Hospitals** 1986 Aug 20;60(16):32

Senate undoes part of House's tax reform. Firshein J. **Hospitals** 1986 May 20;60(10):54, 56

The Senate takes its turn at tax overhaul. Firshein J. **Hospitals** 1986 Jan 20;60(2):65, 67

Incentive plans imperil tax-free status, IRS says. Riffer J. **Hospitals** 1986 Aug 5;60(15):59

Durenberger tax proposal draws mixed reactions. Traska MR. **Hospitals** 1986 Apr 5;60(7):52, 55

Utah puts hospital tax-exemption plan on ballot. Traska MR. **Hospitals** 1986 Jun 5;60(11):59, 61

Is there life after tax-exempt financing? Traska MR. **Hospitals** 1986 Jun 20;60(12):42–6

Public hospitals could get hurt by tax reform. Traska MR. **Hospitals** 1986 Mar 5;60(5):65, 67

Changing the federal cigarette excise tax [letter] Dykers JR Jr. **JAMA** 1986 Aug 15;256(7):862

Alternative delivery systems of health care. Baer RK. **Top Health Care Financ** 1985 Fall;12(1):56–63

Determining and reporting unrelated business income. Cornwell D. **Top Health Care Financ** 1985 Fall;12(1):10–21

Exploring the benefits and pitfalls of joint ventures. Eisenberg CA. **Top Health Care Financ** 1985 Fall;12(1):47–55

Employee compensation and fringe benefits. Hranchak WH. **Top Health Care Financ** 1985 Fall;12(1):22–32

Incentive compensation and benefits of profit-sharing plans. Hranchak WH. **Top Health Care Financ** 1985 Fall; 12(1):33–7

Changing corporate structures—from reorganizations to mergers. Livingston CO. **Top Health Care Financ** 1985 Fall; 12(1):38–46

How to obtain and maintain tax-exempt status. McClure RC. **Top Health Care Financ** 1985 Fall;12(1):1–9

Tax aspects of hospital-physician joint ventures. Mancino DM. **Top Health Care Financ** 1985 Winter;12(2):46–51

Self-insuring against malpractice risks. Zmrhal G. **Top Health Care Financ** 1985 Fall;12(1):64–70

Effects of the 1984 Tax Reform Act on charitable giving. Zmrhal G. **Top Health Care Financ** 1985 Fall;12(1):71–90

TAY-SACHS DISEASE

DIAGNOSIS

Frequency of hexosaminidase A variant alleles among Ashkenazi Jews and prenatal diagnosis of GM2 gangliosidosis. Navon R, et al. **Am J Hum Genet** 1985 Sep; 37(5):1031–3

Electrophoresis with direct fluorometry for the diagnosis of Tay-Sachs disease and carriers. Saruwatari AS, et al. **Clin Chem** 1986 Jun;32(6):1232–3

Prenatal diagnosis of GM2 gangliosidoses using a fluorogenic sulfated substrate. Inui K, et al. **Clin Chim Acta** 1986 Jan 30;154(2):145–50

Clinical course of GM2 gangliosidoses. A correlative attempt. Schulte FJ. **Neuropediatrics** 1984 Sep;15 Suppl:66–70

Prenatal diagnosis for Tay-Sachs disease using chorionic villus sampling. Grebner EE, et al. **Prenat Diagn** 1985 Sep-Oct;5(5):313–20

Adult-onset GM2 gangliosidosis diagnosed in a fetus. Navon R, et al. **Prenat Diagn** 1986 May-Jun;6(3):169–76

ENZYMOLOGY

Isolation of cDNA clones coding for the alpha-subunit of human beta-hexosaminidase. Extensive homology between the alpha- and beta-subunits and studies on Tay-Sachs disease. Korneluk RG, et al. **J Biol Chem** 1986 Jun 25; 261(18):8407–13

The biochemical basis of gangliosidoses. Sandhoff K, et al. **Neuropediatrics** 1984 Sep;15 Suppl:85–92

FAMILIAL & GENETIC

Sandhoff disease heterozygote detection: a component of population screening for Tay-Sachs disease carriers. I. Statistical methods. Cantor RM, et al. **Am J Hum Genet** 1985 Sep;37(5):912–21

Two abnormalities of hexosaminidase A in clinically normal individuals. Grebner EE, et al. **Am J Hum Genet** 1986 Apr; 38(4):505–14

Late-onset hexosaminidase A and hexosaminidase A and B deficiency: family study and review. Adams C, et al. **Dev Med Child Neurol** 1986 Apr;28(2):236–43

A genetic profile of the South African Ashkenazi Jewish population. Lane AB, et al. **S Afr Med J** 1985 Dec 21; 68(13):935–9

Different mutations in Ashkenazi Jewish and non-Jewish French Canadians with Tay-Sachs disease. Myerowitz R, et al. **Science** 1986 Jun 27;232(4758):1646–8

METABOLISM

Occurrence of lysoganglioside lyso-GM2 (II3-Neu5Ac-gangliotriaosylsphingosine) in GM2 gangliosidosis brain. Neuenhofer S, et al. **Biol Chem Hoppe Seyler** 1986 Mar;367(3):241–4

PATHOLOGY

A freeze-fracture study on GM2 gangliosidosis. Volk B. **Clin Neuropathol** 1986 Mar-Apr;5(2):88–92

Morphology of the gangliosidoses. Goebel HH. **Neuropediatrics** 1984 Sep;15 Suppl:97–106

PHYSIOPATHOLOGY

Neurophysiological investigations in GM1 and GM2 gangliosidoses. Pampiglione G, et al. **Neuropediatrics** 1984 Sep;15 Suppl:74–84

PREVENTION & CONTROL

Tay-Sachs disease prevention in Minnesota. Role of physician advocacy in carrier screening. Lipsitz DJ, et al. **Minn Med** 1986 May;69(5):272–5

RADIOGRAPHY

Tay-Sachs disease with conspicuous cranial computerized tomographic appearances. Watanabe K, et al. **Acta Pathol Jpn** 1985 Nov;35(6):1521–32

TC 99M-ALBUMIN see **TECHNETIUM TC 99M AGGREGATED ALBUMIN**

TC 99M-ALBUMIN COLLOID see **TECHNETIUM TC 99M AGGREGATED ALBUMIN**

TC-99M MDP see **TECHNETIUM TC 99M MEDRONATE**

TC-99M SULFUR COLLOID see **TECHNETIUM TC 99M SULFUR COLLOID**

TCGF see **MITOGENIC FACTORS, LYMPHOCYTE**

TDE see **DDD**

TEA

see related
THEOPHYLLINE

Coffee, tea, and plasma cholesterol: the Jerusalem Lipid Research Clinic prevalence study. Kark JD, et al. **Br Med J [Clin Res]** 1985 Sep 14;291(6497):699–704

Effects of pu-erh tea on lipid metabolism in rats. Sano M, et al. **Chem Pharm Bull (Tokyo)** 1986 Jan;34(1):221–8

Protein conversion efficiencies of four test diets based on milk, two milk and tea treatments, and casein. Boor KJ, et al. **J Dairy Sci** 1986 Apr;69(4):979–82

[Caffeine in tea and coffee plants: biosynthesis and physiological significance in the plants] Suzuki T. **Seikagaku** 1985 Sep;57(9):1277–82 **(Jpn)**

ADVERSE EFFECTS

Effects of coffee and tea on lipoproteins and prostanoids. Aro A, et al. **Atherosclerosis** 1985 Oct;57(1):123–8

Extrinsic tooth discoloration by metals and chlorhexidine. II. Clinical staining produced by chlorhexidine, iron and tea. Addy M, et al. **Br Dent J** 1985 Nov 23;159(10):331–4

ANALYSIS

Assessment of caffeine exposure: caffeine content of beverages, caffeine intake, and plasma concentrations of methylxanthines. Lelo A, et al. **Clin Pharmacol Ther** 1986 Jan;39(1):54–9

Atomic absorption spectrophotometric determination of microgram quantities of copper in tea after solvent extraction. Aziz-Alrahman AM. **Int J Environ Anal Chem** 1985;22(3–4):251–7

The formation of stain on acrylic surfaces by the interaction of cationic antiseptic mouthwashes and tea. Addy M, et al. **J Biomed Mater Res** 1984 Jul-Aug;18(6):631–41

Beware the cups that cheer [letter] Coriat AM, et al. **Nature** 1986 Jun 5–11;321(6070):570

Pesticide residues in teas consumed in Poland. Górski T. **Rocz Panstw Zakl Hig** 1985;36(6):433–7

Pesticide residues in black tea. Petersen JH, et al. **Z Lebensm Unters Forsch** 1986 Jun;182(6):489–91

New aspects on the chemistry of tea and coffee. III. Smith RF. **Z Lebensm Unters Forsch** 1986 Jan;182(1):1–7 (212 ref.)

[Benzo(a)pyrene content in tea] Karimov MA, et al. **Vopr Pitan** 1986 Mar-Apr;(2):72–4 (Eng. Abstr.) **(Rus)**

HISTORY

[Tea—a drug? A brief historical examination] Lüdde H, et al. **Z Gesamte Hyg** 1985 Dec;31(12):726–7 (Eng. Abstr.) **(Ger)**

TEACHING

West Indian teachers', parents', and students' attitudes toward adolescent behavior problems. Payne MA. **Adolescence** 1986 Spring;21(81):235–45

Microcomputer awareness for educators: a workshop. Graham RD. **Am Ann Deaf** 1985 Nov;130(5):342–6

The classroom computer as a partner in teaching basic skills to hearing-impaired children. Hart-Davis SR. **Am Ann Deaf** 1985 Nov;130(5):410–4

The ALPHA interactive microcomputer system for teaching reading, writing, and communication skills to hearing-impaired children. Prinz PM, et al. **Am Ann Deaf** 1985 Nov;130(5):444–61

The myth of the "born" teacher.Ackerman AB. **Am J Dermatopathol** 1985 Jun;7(3):299

Teaching instructional methods to clinical pharmacy residents. Elliott DP, et al. **Am J Hosp Pharm** 1986 Apr; 43(4):955–6

Managing an academic career. Masagatani GN, et al. **Am J Occup Ther** 1986 Feb;40(2):83–8

The Heinz fellowships 1960–80. Court SD, et al. **Arch Dis Child** 1986 Jun;61(6):616–9

Why teach? Perachio AA. **Arch Otolaryngol Head Neck Surg** 1986 Mar;112(3):267–8

Teacher presentation rate and point delivery rate. Effects on classroom disruption, performance accuracy, and response rate. West RP, et al. **Behav Modif** 1986 Jul; 10(3):267–86

Effects of prelicensure on students and their teaching. LeSaux L. **Can Dent Assoc J** 1986 May;52(5):409

Guidelines for people responsible for education and day care of children with HTLV-III/LAV infection. Smith GF. **Can Med Assoc J** 1986 Jul 15;135(2):134–6

Using curriculum-based assessment data to make instructional decisions. Blankenship CS. **Except Child** 1985 Nov;52(3):233–8

Teachers' perceptions of behaviorally disordered students in a variety of settings. Bullock LM, et al. **Except Child** 1985 Oct;52(2):123–30

Implementing curriculum-based measurement in special and regular education settings. Marston D, et al. **Except Child** 1985 Nov;52(3):266–76

Biasing influences on test level assignments for hearing impaired students. Wolk S. **Except Child** 1985 Oct; 52(2):161–9

Age and the determinants of teacher job satisfaction. Lowther MA, et al. **Gerontologist** 1985 Oct;25(5):520–5

Perceptions of deviant stereotypes by alcoholism, mental health, and school personnel in New Zealand and the United States. Rivers PC, et al. **Int J Addict** 1986 Jan; 21(1):123–9

Stability of teacher temperament ratings over 6 and 12 months. Martin RP, et al. **J Abnorm Child Psychol** 1986 Mar;14(1):167–79

Agreement between teachers' ratings and observations of hyperactivity, inattentiveness, and defiance. Schachar R, et al. **J Abnorm Child Psychol** 1986 Jun;14(2):331–45

A study of nurse tutors' conceptualization of their ward teaching role. Jones JA. **J Adv Nurs** 1985 Jul;10(4):349–60

Videotape review: a valuable tool for self-assessment of teaching skills. Kleffner JH, et al. **J Biocommun** 1985 Nov; 12(4):4–7

Teaching debonding in dental hygiene programs. Everett MS, et al. **J Dent Educ** 1986 Sep;50(9):540–1

Competency assessment and remediation in Dental Auxiliary Teacher Education. Scruggs RR, et al. **J Dent Educ** 1986 Jun;50(6):316–8

Teaching students to show their worth as physicians [editorial] Anderson PC. **J Med Educ** 1985 Nov;60(11):889

Lecture attendance [letter] Flournoy DJ, et al. **J Med Educ** 1986 Aug;61(8):705

Clinical teaching and the clinical teacher. Irby DM. **J Med Educ** 1986 Sep;61(9 Pt 2):35–45

The lecture room [letter] Johnson CF. **J Med Educ** 1985 Dec;60(12):956–7

Teaching medical ethics to medical students. Loewy EH. **J Med Educ** 1986 Aug;61(8):661–5

Teaching critical appraisal and application of medical literature to clinical problem-solving. Radack KL, et al. **J Med Educ** 1986 Apr;61(4):329–31

A workshop to improve the teaching skills of physician faculty members. Valdiserri RO, et al. **J Med Educ** 1986 Jun;61(6):469–71

4MAT: a method of stimulating holistic learning. Brekke ME. **J Nurs Educ** 1986 May;25(5):215–7

Educational preparation for clinical teaching: perceptions of the nurse educator. Karuhije HF. **J Nurs Educ** 1986 Apr; 25(4):137–44

Faculty assignments during curriculum changes [editorial] Marriner A. **J Nurs Educ** 1986 Apr;25(4):133

Invitational teaching behaviors in the associate degree clinical setting. Ripley DM. **J Nurs Educ** 1986 Jun;25(6):240–6

Parents' teaching strategies with their children: the effects of parental and child status variables. Pellegrini AD, et al. **J Psycholinguist Res** 1985 Nov;14(6):509–21

Factors influencing nutritional knowledge of teachers. Yong MB. **J R Soc Health** 1985 Dec;105(6):204–5

Reducing adolescent smoking: a comparison of peer-led, teacher-led, and expert interventions. Clarke JH, et al. **J Sch Health** 1986 Mar;56(3):102–6

Staying alive: a mini-unit on child molestation prevention for elementary school children. McNab WL. **J Sch Health** 1985 Aug;55(6):226–9

Effect of a brief instructional unit in death education on the death attitudes of prospective elementary school teachers. Molnar-Stickels LA. **J Sch Health** 1985 Aug;55(6):234–6

Locus of control as a moderator of teacher stress in Singapore. Soh KC. **J Soc Psychol** 1986 Apr;126(2):257–8

Accessing children's knowledge of sociolinguistic rules for speech therapy lessons. Ripich DN, et al. **J Speech Hear Disord** 1985 Nov;50(4):335–46

Linguistic environment of the deaf child: a focus on teachers' use of nonliteral language. Newton L. **J Speech Hear Res** 1985 Sep;28(3):336–44

The medical student and leprosy [editorial] McDougall AC. **Lepr Rev** 1986 Jun;57(2):97–100

The role of senior teachers in students' achievements. Notzer N, et al. **Med Educ** 1986 Jan;20(1):13–6

Simulating laboratory procedures. Baker JE, et al. **Med Teach** 1986;8(1):35–40

Computer assisted learning [editorial] Harden RM. **Med Teach** 1986;8(1):4–7

Computer assisted learning systems in pathology teaching. Harkin PJ, et al. **Med Teach** 1986;8(1):27–34

Seven at one. Older J. **Med Teach** 1986;8(1):65–8

A brief history and overview of the Association of Teachers of Preventive Medicine. Scutchfield FD, et al. **Med Teach** 1985;7(1):99–103

Teaching of bioethics within a residency program in obstetrics and gynecology. Elkins TE, et al. **Obstet Gynecol** 1986 Mar;67(3):339–43

Health promotion for educators: impact on absenteeism. Blair SN, et al. **Prev Med** 1986 Mar;15(2):166–75

A study of a probabilistic technique for teaching diagnostic skills to medical students. Hickam DH, et al. **Proc Annu Conf Res Med Educ** 1985;24:9–14

Clinical teaching: three perspectives on faculty development. Medio FJ, et al. **Proc Annu Conf Res Med Educ** 1985; 24:329–36

Teaching journal reading skills to first year medical students—results of an immediate and follow-up evaluation. Riegelman RK. **Proc Annu Conf Res Med Educ** 1985;24:52–7

A prospectively-designed assessment of the condition diagramming method for teaching diagnostic reasoning. Russell IJ, et al. **Proc Annu Conf Res Med Educ** 1985; 24:31–7

Process and product in clinical teaching: a correlational study. Skeff KM, et al. **Proc Annu Conf Res Med Educ** 1985;24:25–30

Teaching basic science: Dr. Fox in the physiology chicken coop. Whitman NA, et al. **Proc Annu Conf Res Med Educ** 1985;24:58–61

Homosexual molestation of children/sexual interaction of teacher and pupil. Cameron P. **Psychol Rep** 1985 Dec;57(3 Pt 2):1227–36

Note on reliability of the Teacher Stress Inventory. Fimian MJ. **Psychol Rep** 1986 Aug;59(1):275–8

Burnout: a comparative analysis of personality and environmental variables. Nagy S, et al. **Psychol Rep** 1985 Dec;57(3 Pt 2):1319–26

Guidance for counsellors for Module F of the HDCR. Bentley HB. **Radiography** 1986 May–Jun;52(603):131–2

Teaching in gerontology and geriatrics [editorial] Kampmeier RH. **South Med J** 1985 Dec;78(12):1406–9

The teaching house officer. Schiffman FJ. **Yale J Biol Med** 1986 Jan–Feb;59(1):55–61

[Improving the quality of teaching at medical schools] Mareš J. **Cas Lek Cesk** 1985 Sep 27;124(38–39):1185–9 (Eng. Abstr.) (Cze)

[Findings by students on the teaching of social medicine during training at a health facility] Nováková H. **Cesk Zdrav** 1986 May;34(5):233–6 (Eng. Abstr.) (Cze)

[Attitude of teachers to orthodontic treatment and dental prevention] Schopf P. **Fortschr Kieferorthop** 1986 Jun; 47(3):194–9 (Eng. Abstr.) (Ger)

[Stress in teachers] Biener K. **Fortschr Med** 1986 May 22; 104(20):405–8 (Eng. Abstr.) (Ger)

[Health-related interests of student teachers—an empirical pilot study in an educational college] Löwe B. **Off Gesundheitswes** 1985 Jul;47(7):307–15 (Ger)

[Morbidity of teachers in a middle general-instruction school] Malyshkina NA. **Gig Tr Prof Zabol** 1986 Apr;(4):43–5 (Rus)

[Experience in the teaching of surgical disease subjects according to a new program] Mokhniuk IuN, et al. **Klin Khir** 1986;(5):49–50 (Rus)

[Teaching clinical biochemistry in specialized and general training courses] Kolb VG. **Lab Delo** 1986;(1):55–7 (Eng. Abstr.) (Rus)

[Teaching experience with clinical biochemistry in medical institutes] Pavlovskil MP, et al. **Lab Delo** 1986;(5):308–9 (Eng. Abstr.) (Rus)

[Methodological problems of teaching general clinical study methods in thematic courses] Tkach IuI. **Lab Delo** 1986; (1):57–9 (Eng. Abstr.) (Rus)

[Ideological preparation of students in the process of teaching a medical radiology course] Lindenbraten LD. **Med Radiol (Mosk)** 1986 Feb;31(2):7–12 (Rus)

[Scientific and technical progress and new tasks in teaching roentgenology and radiology in medical institutes] Lindenbraten LD. **Vestn Rentgenol Radiol** 1985 Nov–Dec; (6):68–74 (Rus)

[Means of improving the quality of present-day teaching of roentgeno-radiology at higher medical schools] Pereslegin IA, et al. **Vestn Rentgenol Radiol** 1985 Nov–Dec;(6):74–7 (Rus)

[Optimal ways of teaching military surgery and military therapeutics at a medical institute] Kurakin LN, et al. **Voen Med Zh** 1986 Jun;(6):19–22 (Rus)

[To improve the teaching of biochemistry] Verbolovich PA, et al. **Vopr Med Khim** 1986 Jan–Feb;32(1):136–8 (Rus)

[Acute inflammatory diseases of the vocal system in professionals using their voices] Makukha AL, et al. **Vrach Delo** 1986 Mar;(3):101–3 (Eng. Abstr.) (Rus)

[Practical training for basic qualification of instructors in general medicine] Klimo F. **Cesk Zdrav** 1985 Dec; 33(12):517–25 (Eng. Abstr.) (Slo)

[Epileptics in school] Seva Díaz A, et al. **Arch Neurobiol (Madr)** 1986 Mar–Apr;49(2):113–9 (Eng. Abstr.) (Spa)

[A model of teaching training at the university level] Giraldo de Londoño A. **Educ Med Salud** 1985;19(4):483–8 (Spa)

[Teaching departments in university education] Guzmán EE, et al. **Educ Med Salud** 1985;19(3):344–50 (Spa)

ECONOMICS

Honorary injustice for medical teachers [editorial] **Br Med J [Clin Res]** 1985 Nov 9;291(6505):1300–2

Current status of clinical pharmacology in the United Kingdom. Turner P. **Clin Pharmacol Ther** 1986 Apr; 39(4):448–50

HISTORY

[Problems of teaching naval medicine in Poland] Ulewicz K. **Arch Hist Filoz Med** 1985;48(4):533–8 (Eng. Abstr.) (Pol)

[The 1st teachers of pediatric diseases at Moscow University] Shakirzianova RM, et al. **Sov Zdravookhr** 1986;(2):62–4 (Rus)

[The teaching of epidemiology at the Leningrad Kirov State Order of Lenin Institute of Physician Advanced Training (on the centenary of the institute)] Rumovskil VI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Feb;(2):115–7 (Rus)

MANPOWER

The determinants of teachers' attitudes to integrating the intellectually handicapped. Thomas D. **Br J Educ Psychol** 1985 Nov;55 (Pt 3):251–63

[Tuberculosis among the teaching personnel and students at the Central University of Cluj-Napoca (1926–1983)] Moisescu V, et al. **Rev Ig [Paneumoftiziol]** 1985 Oct–Dec; 34(4):325–38 (Eng. Abstr.) (Rum)

[Training of young scientist-teachers] Iumashev GS, et al. **Ortop Travmatol Protez** 1985 Aug;(8):58–9 (Rus)

METHODS

Teaching fundamentals in group and interpersonal relations. An intervention designed to enhance resident learning and productivity and the quality of work life. Doughty RA, et al. **Am J Dis Child** 1985 Dec;139(12):1206–10

Comparison of paramedic intubation training techniques [letter] Guss DA, et al. **Am J Emerg Med** 1985 Nov;3(6):575

How do you teach female self-catheterization? Birdsall C. **Am J Nurs** 1985 Nov;85(11):1226

Student response to gynecologic teaching associates. Beckmann CR, et al. **Am J Obstet Gynecol** 1986 Aug; 155(2):301–6

Beliefs, perspectives, and activities of psychosocial occupational therapy educators. Barris R, et al. **Am J Occup Ther** 1986 Aug;40(8):535–41

Occupational therapy education: the relationship of purpose, objectives, and teaching models. Leonardelli CA, et al. **Am J Occup Ther** 1986 Feb;40(2):96–102

Moving psychiatry toward real life [letter] Brown SL. **Am J Psychiatry** 1986 Jan;143(1):114

Community dentistry: the use of independent student projects to promote community involvement among new graduates. Edwards BC, et al. **Ann Dent** 1983 Winter;42(2):59–61

Comparison of a videotape instructional program with a traditional lecture series for medical student emergency medicine teaching. Kline P, et al. **Ann Emerg Med** 1986 Jan;15(1):16–8

Patient teaching. Understanding the needs of the adult learner. Fox V. **AORN J** 1986 Aug;44(2):234–8, 240, 242

Perioperative clinical experiences. Opportunities for baccalaureate nursing students. Reynolds A, et al. **AORN J** 1986 Apr;43(4):901–6

Teaching a functional leisure skill cluster to rehabilitation clients: the art of macrame. Halasz-Dees M, et al. **Appl Res Ment Retard** 1986;7(1):79–93

Preschool children's acquisition, maintenance, and generalization. A study of three reading procedures. Goetz EM, et al. **Behav Modif** 1986 Apr;10(2):159–90

The effects of teacher presentation rate and praise on LD students' oral reading performance. Darch C, et al. **Br J Educ Psychol** 1985 Nov;55 (Pt 3):295–303

A successful formula for ward rounds. McLeod PJ. **Can Med Assoc J** 1986 Apr 15;134(8):902–4

Implementing curriculum-based assessment: considerations for pupil appraisal professionals. Coulter WA. **Except Child** 1985 Nov;52(3):277–81

Direct instruction: a research-based approach to curriculum design and teaching. Gersten R, et al. **Except Child** 1986 Sep;53(1):17–31 (47 ref.)

Research on teaching: opening the door to special education classrooms. Morsink CV, et al. **Except Child** 1986 Sep; 53(1):32–40 (51 ref.)

Practicing effective instruction: the Exemplary Center for Reading Instruction approach. Reid ER. **Except Child** 1986 Apr;52(6):510–9

Spelling instruction in special education classrooms: a survey of practices. Vallecorsa AL, et al. **Except Child** 1985 Sep; 52(1):19–24

Precision teaching—precision learning. White OR. **Except Child** 1986 Apr;52(6):522–34

Geriatrix: a role-playing game. Hoffman SB, et al. **Gerontologist** 1985 Dec;25(6):568–72

Structured postoperative teaching and knowledge and compliance of patients who had coronary artery bypass surgery. Marshall J, et al. **Heart Lung** 1986 Jan;15(1):76–82

In Syria. Effective methods to teach health education in schools. Burhani H. **Hygie** 1986 Jun;5(2):32–4

Apparatus for simulating extraction forces. Lehtinen R, et al. **Int J Oral Maxillofac Surg** 1986 Aug;15(4):444–5

Organ system radiology. Instruction of sophomore medical students. Howland WJ, et al. **Invest Radiol** 1985 Jul; 20(4):416–21

Comparison of lecture and case presentation formats for teaching radiology to residents. Smith WL, et al. **Invest Radiol** 1986 Mar;21(3):285–6

The impact of client selection on clinical teaching. Ross MM. **J Adv Nurs** 1985 Nov;10(6):567–73

The effect of study skill training on learning disabled students' retelling of expository material. Alexander DF. **J Appl Behav Anal** 1985 Fall;18(3):263–7

Teaching social language to moderately handicapped

students. Haring TG, et al. J Appl Behav Anal 1986 Summer;19(2):159–71
An extension of incidental teaching procedures to reading instruction for autistic children. McGee GG, et al. J Appl Behav Anal 1986 Summer;19(2):147–57
Teaching audiovisual methods to overseas medical laboratory tutors. Bates P, et al. J Audiov Media Med 1986 Apr; 9(2):56–9
Postgraduate medical education by distance learning. Hibbard BM, et al. J Audiov Media Med 1986 Apr; 9(2):69–73
An approach to the preclinical teaching of removable partial-denture technique. Dyson JE, et al. J Dent 1985 Dec;13(4):341–5
Continuous knowledge of results and psychomotor skill acquisition. Feil PH, et al. J Dent Educ 1986 Jun; 50(6):300–3
Adapting to the hearing impaired dental student. Javid NS, et al. J Dent Educ 1986 May;50(5):268–9
The use of videotape in the treatment planning seminar. Raborn GW, et al. J Dent Educ 1986 Mar;50(3):187–9
The role of basic sciences in patient care and clinical teaching. White RP Jr. J Dent Educ 1986 Aug;50(8):468–9
Teaching first trimester uterine sizing. Fox GN. J Fam Pract 1985 Nov;21(5):400–1
Patient education: comparative effectiveness by means of presentation. Miller G, et al. J Fam Pract 1986 Feb; 22(2):178–81
Using structured medical information to improve students' problem-solving performance. Beck AL, et al. J Med Educ 1986 Sep;61(9 Pt 1):749–56
Expertise, efficiency, and the construct validity of patient management problems. Gruppen LD, et al. J Med Educ 1985 Nov;60(11):878–80
Reciprocal peer teaching by medical students in the gross anatomy laboratory. Hendelman WJ, et al. J Med Educ 1986 Aug;61(8):674–80
Students' and physicians' evaluations of gynecologic teaching associate program. Plauché WC, et al. J Med Educ 1985 Nov;60(11):870–5
A first-year, student-managed course to correlate basic sciences with clinical medicine. Saffran M, et al. J Med Educ 1985 Oct;60(10):793–7
Facilitating student involvement in large classroom settings. Boman J. J Nurs Educ 1986 Jun;25(6):226–9
The impact of successful laboratory system on the teaching of nursing skills. Cook JW, et al. J Nurs Educ 1985 Oct; 24(8):344–6
Hypothetical dilemmas—a teaching strategy for moral development. Feather R, et al. J Nurs Educ 1985 Sep; 24(7):298–301
A study of the cost-effectiveness of providing psychomotor practice in teaching intravenous infusion techniques. Hegstad LN, et al. J Nurs Educ 1986 Jan;25(1):10–4
Quality circles in nursing education. Heller BR, et al. J Nurs Educ 1986 Jun;25(6):252–5
Psychotherapeutic techniques and methods applied in teaching human sexuality. Koch JJ. J Nurs Educ 1985 Oct; 24(8):346–9
Teaching communication skills: effects of two methods of instruction and selected learner characteristics. Norris J. J Nurs Educ 1986 Mar;25(3):102–6
The interaction of cognitive style, teaching methodology and cumulative GPA in baccalaureate nursing students. Ostrow CL. J Nurs Educ 1986 Apr;25(4):148–55
Expanding the armamentarium for faculty development. Seigel H. J Nurs Educ 1986 Mar;25(3):126–9
Gingival margin finishing on castings: current teaching. Goldfogel MH, et al. J Prosthet Dent 1986 Apr;55(4):510–2
An evaluation system for teaching clinical removable prosthodontics. Seals RR Jr, et al. J Prosthet Dent 1985 Oct;54(4):592–7
A method of assessment of teaching practices and trainers by their trainees. Charlewood JE, et al. J R Coll Gen Pract 1986 Feb;36(283):69–71
Teaching about body image: a technique for improving body satisfaction. McBride LG. J Sch Health 1986 Feb; 56(2):76–7
Learning how to learn: the goal of house staff training [editorial] Hurst JW. JAMA 1986 Aug 8;256(6):756
Teaching the resident in internal medicine. Present practices and suggestions for the future. Shankel SW, et al. JAMA 1986 Aug 8;256(6):725–9
Teacher training workshops in education: summary of 15 years' personal experience. Guilbert JJ. Med Educ 1985 Sep;19(5):332–43
Linked tutorial teaching by teleconference and videocassette. Hibbard BM, et al. Med Educ 1985 Sep;19(5):396–402
Immediate and delayed recall of information presented in a live and a televised lecture. Keeble M, et al. Med Educ 1986 Jul;20(4):281–5
Use of a general medical setting to teach medical students about neurosis. McGrath G, et al. Med Educ 1986 May; 20(3):222–7
Teaching medical students about neurosis. McGrath G, et al. Med Educ 1986 Jan;20(1):35–41
Training clinical teachers in psychiatry to teach interviewing skills to medical students. Naji SA, et al. Med Educ 1986 Mar;20(2):140–7
Teaching medical students about family planning: experiences from a primary health care course in Lagos, Nigeria. Olukoya AA, et al. Med Educ 1986 Jan;20(1):42–7
Objective-structured teaching of undergraduate neurology. Scherokman BJ, et al. Med Educ 1985 Nov;19(6):452–5
Preparing a student seminar: a student's view of learning and self teaching. Bloom PA, et al. Med Teach 1985;7(2):231–3
The way we teach medical students professional skills. Carney SL, et al. Med Teach 1985;7(1):37–44
Clinical teaching strategies for physicians. McLeod PJ, et al. Med Teach 1985;7(2):173–89
Problem based attending rounds. Petrusa ER, et al. Med Teach 1985;7(2):191–202
Teaching pediatric otolaryngology to pediatricians and other nonotolaryngologists [editorial] Bluestone CD. Otolaryngol Head Neck Surg 1986 Jun;94(5):537–8
Using computer-assisted instruction to teach nutrition. Carew LB, et al. Physiologist 1985 Oct;28(5):425–7
Trait anxiety as related to two types of mediated teaching procedures. Newhouse RC. Psychol Rep 1986 Aug; 59(1):229–30
Role of reversed connection in conducting the pedagogic process in post-graduate training of health care organizers. Deryabina VL. Sante Publique (Bucur) 1985;28(3):183–90
Training of the decision-making personnel concerning the problems of organization, planning and management of the primary health care (from the stored knowledge acquired during the training courses of the World Health Organization). Vartanyan FE, et al. Sante Publique (Bucur) 1985;28(3):191–6
[Problem-oriented situational assignments in postgraduate medical education] Fejgenberg IM. Cas Lek Cesk 1986 May 16;125(20):613–6 (Eng. Abstr.) (Cze)
[New trends in the teaching of clinical medicine] Pacovský V, et al. Sb Lek 1986 Mar;88(3):65–9 (Eng. Abstr.) (Cze)
[Problem-oriented teaching. A successful experience] Monday J, et al. Union Med Can 1986 Jul;115(7):487–9 (Eng. Abstr.) (Fre)
[Teaching method for practice drills in periodontics] Ballesio F. Minerva Stomatol 1986 Mar;35(3):225–9 (Eng. Abstr.) (Ita)
[Effectiveness of teaching practical gynecologic and obstetric procedures in teaching centers outside of the medical schools] Bialas J, et al. Ginekol Pol 1986 Mar;57(3):207–13 (Eng. Abstr.) (Pol)
[Nutritional education in elementary schools: a proposal for Pernambuco (Brazil)] Lima E da S, et al. Rev Saude Publica 1986 Feb;20(1):62–82 (Eng. Abstr.) (Por)
[Theoretical aspects teaching histology] Klishov AA, et al. Arkh Anat Gistol Embriol 1985 Jun;88(6):83–91 (Rus)
[Role of a methodologic seminar for instructors in providing unity in their teaching, ideological and educational and research work in departments of morphology] Ziablov VI, et al. Arkh Anat Gistol Embriol 1986 Apr;90(4):95–8 (Rus)
[Activation of processes of perception and visual memory in teaching pathological anatomy] Evtushenko NV, et al. Arkh Patol 1985;47(6):68–71 (Eng. Abstr.) (Rus)
[Algorithm for the morphological diagnosis of tumors and practical tasks for students in acquiring tumor diagnostic skills in a pathological anatomy course] Vasilenko IV. Arkh Patol 1986;48(4):63–4 (Rus)
[Characteristics of the teaching of child and adolescent hygiene in a pediatrics department] Borisenko NF, et al. Gig Sanit 1985 Dec;(12):38–40 (Rus)
[Hygienic evaluation of the teaching of a foreign language by the rhythmopedic method] Krivoruchko TS, et al. Gig Sanit 1986 Feb;(2):25–8 (Eng. Abstr.) (Rus)
[Academic activities and achievement of schoolchildren in the upper grades with different instructional methods] Pronina NV. Gig Sanit 1986 Feb;(2):91–2 (Rus)
[Characteristics and methods of organizing the practical training of physicians in a medical school] Cheren'ko MP, et al. Klin Khir 1986;(5):51–3 (Rus)
[The dialectics of the infectious process and diagnostic methodology in the teaching of infectious diseases] Matkovskiĭ VS, et al. Klin Med (Mosk) 1986 Mar; 64(3):140–3 (Eng. Abstr.) (Rus)
[Lecturing students on topics in ophthalmology] Abramov VG. Oftalmol Zh 1985;(4):248–9 (Rus)
[Experience in the teaching of emergency medicine in the Department of Eye Diseases of the Faculty for Physician Advanced Training of the Donetsk Medical Institute] Gmyria AI, et al. Oftalmol Zh 1985;(7):434–6 (Rus)
[Experience in optimizing the academic process in ophthalmology] Titenko KS, et al. Oftalmol Zh 1985; (7):436–7 (Rus)
[Integration of the teaching goals in a department of traumatology, orthopedics and military field surgery] Gorshkov SZ, et al. Ortop Travmatol Protez 1985 Dec; (12):53–5 (Rus)
[Program of student training in mass screening (educational and methodological problems)] Podnianskiĭ LL, et al. Ortop Travmatol Protez 1986 May;(5):48–50 (Rus)
[Tactics in the teaching of the basic subjects of pediatrics in advanced training courses] Cheburkin AV. Pediatriia 1986 Feb;(2):56–8 (Rus)
[Use of the microcomputer in teaching clinical endocrinology] Dedov II, et al. Probl Endokrinol (Mosk) 1985 Nov–Dec;31(6):34–8 (Eng. Abstr.) (Rus)
[Optimal methods of advanced training of surgeons] Kuleshov EV. Sov Med 1985;(9):56–60 (Rus)
[Possibilities of the method of diagrams of logical structures in the management of training in a medical institute] Shliapnikov VN, et al. Sov Med 1985;(9):43–8 (Rus)
[Methodological problems in training public health management personnel] Ermakov VV, et al. Sov Zdravookhr 1986;(2):36–9 (Rus)
[Methods of conducting seminars on expert testimony in the occupational medicine department] Korchagina VG, et al. Sov Zdravookhr 1986;(5):40–2 (Rus)
[The importance of studying the pathogenesis of maxillodental anomalies in the practical teaching of orthodontics to dental students] Elovikova AN. Stomatologiia (Mosk) 1985 Jul–Aug;64(4):73–4 (Rus)
[Experience in planning student training for research work in dentistry] Okushko VR, et al. Stomatologiia (Mosk) 1986 May–Jun;65(3):86–7 (Rus)
[Situational tasks as a form of training in the propedeutics of internal diseases] Balaban SIa, et al. Ter Arkh 1986; 58(2):135–6 (Rus)
[Medical disability expertise in digestive organ diseases. A method for teaching in a topical lecture series for the advanced training of therapists] Tarasov AN, et al. Ter Arkh 1986;58(1):72–4 (Rus)
[The skill of lecturing in the teaching of dermatovenereology] Tumasheva NI. Vestn Dermatol Venerol 1986;(4):26–7 (Rus)
[Color slides as an aid in optimizing the teaching process] Liashchenko NE, et al. Voen Med Zh 1986 Apr;(4):14–5 (Rus)
[Current problems in the integration of the teaching of bio-organic and biological chemistry in medical schools] Iukhnovets RA. Vopr Med Khim 1986 Mar–Apr; 32(2):137–9 (Rus)
[Methodological aspects of teaching nutritional hygiene] Vankhanen VD, et al. Vopr Pitan 1985 Nov–Dec;(6):65–9 (Rus)
[Methods of developing practical skills among students in a therapeutics department during practical training] Gubergrits AIa, et al. Vrach Delo 1986 Jan;(1):116–8 (Rus)
[Experience in organizing the self-instruction and independent work of students for practical exercises in microbiology] Belʹskiĭ VV, et al. Zh Mikrobiol Epidemiol Immunobiol 1985 Oct;(10):115–7 (Rus)
[Experience in using the research work of students in a department of epidemiology for the purposes of communist education] Koza NM, et al. Zh Mikrobiol Epidemiol Immunobiol 1985 Oct;(10):112–5 (Rus)
[Methodologic aspects of teaching clinical neurology] Gusev EI, et al. Zh Nevropatol Psikhiatr 1986;86(2):300–4 (Rus)
[Evaluation of non-conventional teaching methods] Bordoni NE, et al. Educ Med Salud 1986;20(1):86–95 (Eng. Abstr.) (Spa)
[Analysis of a teaching-learning model with adult ambulatory patients] Zapata C, et al. Rev Med Chil 1985 Apr; 113(4):355–63 (Eng. Abstr.) (Spa)

STANDARDS

Student audit of clinical teaching: a three year study. Lockwood DN, et al. Br Med J [Clin Res] 1985 Sep 14; 291(6497):719–21
The resident as a teacher: a neglected role. Kates NS, et al. Can J Psychiatry 1985 Oct;30(6):418–21
Improving clinical teaching: a sporadic or sustained effort [editorial] Squires BP. Can Med Assoc J 1986 Apr 15; 134(8):877–8
Hours of contact and their relationship to students' evaluations of teaching effectiveness. Dawson N. J Nurs Educ 1986 Jun;25(6):236–9
A peer evaluation for measuring team teaching effectiveness. Rabada-Rice F, et al. J Nurs Educ 1986 Jun;25(6):255–8
Clinical teaching of medical students: the need for audit [letter] Connolly AA. J R Soc Med 1986 May;79(5):312
Rheumatology teaching in Australia: the need for review. McCredie M, et al. Med J Aust 1985 Nov 25;143(11):492–5
Decoding your student evaluations. Schwab T, et al. Nurs Outlook 1986 Jul–Aug;34(4):208
Measuring teaching excellence in clinical medicine: a faculty perspective. Fallon S, et al. Proc Annu Conf Res Med Educ 1985;24:257–62
A modest proposal: board certification for medical educators (or quis custodiet ipsos custodes?). Sapira JD. South Med J 1986 Sep;79(9):1141–2
[Improving the activities at medical schools with regard to raising the qualifications of teachers at medical institutions for undergraduate and graduate training] Revutskiĭ EL, et al. Sov Zdravookhr 1985;(11):46–50 (Eng. Abstr.) (Rus)
[Effectiveness of teaching and education in medical schools] Smerdov GM, et al. Sov Zdravookhr 1986;(1):43–6 (Eng. Abstr.) (Rus)
[Means of improving the academic methodological work in dental departments] Borovskiĭ, EV. Stomatologiia (Mosk) 1986 Jan–Feb;65(1):89–90 (Rus)

TEACHING MATERIALS

A simple and inexpensive device for microvascular training. Ramasastry S, et al. Ann Plast Surg 1985 May;14(5):462–4

Surgical practice kit. Ophthalmic suture simulator. Helveston EM, et al. **Arch Ophthalmol** 1986 Jun;104(6):923–4
ABC of resuscitation. Training manikins. Simons RS. **Br Med J [Clin Res]** 1986 Jun 7;292(6534):1509–13
Making materials which help spell success. Burgess A. **Food Nutr (Roma)** 1984;10(2):55–9
Leprosy. Packs of teaching-learning materials produced in Oxford (UK). McDougall AC. **Int J Dermatol** 1985 Oct; 24(8):526–7
Embedding in plastic of early embryonic stages of the chicken for teaching purposes. Lataster LM, et al. **J Audiov Media Med** 1986 Jan;9(1):17–21
Picture preferences of thoracic surgeons. Hirsh K, et al. **J Biocommun** 1986 Winter;13(1):26–30
Evaluation of a television-tape demonstration for the reinforcement of oral hygiene instruction. Glavind L, et al. **J Clin Periodontol** 1986 Mar;13(3):201–4
Teaching geriatrics with film [letter] Bowman SM. **J Med Educ** 1986 Sep;61(9 Pt 1):783–4
Patient teaching manuals improve retention of treatment information—a controlled clinical trial in multiple sclerosis. Young FK, et al. **J Neurosci Nurs** 1986 Feb;18(1):26–8
'Preparing for your operation'. Hannah HB, et al. **J R Army Med Corps** 1985 Jun;131(2):105–8
Does a mailed continuing education program improve physician performance? Results of a randomized trial in antihypertensive care. Evans CE, et al. **JAMA** 1986 Jan 24–31;255(4):501–4
Sensitivity and specificity in silicone breast models [letter] Gump FE. **JAMA** 1985 Nov 1;254(17):2409
How to make and use video in teaching. Brown GA. **Med Teach** 1985;7(2):139–49
An instruction method for placing the prosthesis around the incus in stapes surgery. Escajadillo JR, et al. **Otolaryngol Head Neck Surg** 1986 Jun;94(5):652–3
Learning materials for heath workers. Dowling MA, et al. **WHO Chron** 1985;39(5):171–5
[Formation of visual and cognitive images during teaching students medical roentgenology] Khidirbelli KhA, et al. **Med Radiol (Mosk)** 1986 Feb;31(2):52–5 **(Rus)**
[A teaching machine for learning and mastering the technics of microsurgical operations on the eye] Gmyria AI, et al. **Oftalmol Zh** 1985;(4):249–50 **(Rus)**
[Evaluation of a teaching program of nutrition in agronomy] Olivares S, et al. **Arch Latinoam Nutr** 1985 Jun;35(2):347–58 (Eng. Abstr.) **(Spa)**

TEAR GASES

ADVERSE EFFECTS

[Contact allergy to CN and CS tear gas] Fuchs T, et al. **Derm Beruf Umwelt** 1986 Jan–Feb;34(1):12–4 (Eng. Abstr.) **(Ger)**

ANALYSIS

Spectral differentiation and gas chromatographic/mass spectrometric analysis of the lacrimators 2-chloroacetophenone and o-chlorobenzylidene malononitrile. Ferslew KE, et al. **J Forensic Sci** 1986 Apr; 31(2):658–65

TEARS

Treatments of keratoconjunctivitis sicca [letter] Nelson JD. **Arch Ophthalmol** 1985 Nov;103(11):1630–1
Pseudoepiphora from cerebrospinal fluid leak: case report. Dryden RM, et al. **Br J Ophthalmol** 1986 Aug;70(8):570–4

ANALYSIS

Hydrogen ion concentration of tear fluid in newborn infants. Dahl H, et al. **Acta Ophthalmol (Copenh)** 1985 Dec; 63(6):692–4
Prostaglandin E2 level in tears during postoperative inflammation of the eye. Gluud BS, et al. **Acta Ophthalmol (Copenh)** 1985 Aug;63(4):375–9
The concentration of lactoferrin in tears of normals and of diabetics. Jensen OL, et al. **Acta Ophthalmol (Copenh)** 1986 Feb;64(1):83–7
Concentration-dependent precorneal loss of pilocarpine in rabbit eyes. Urtti A, et al. **Acta Ophthalmol (Copenh)** 1985 Oct;63(5):502–6
Tear studies in ocular rosacea [letter] Coles WH, et al. **Am J Ophthalmol** 1985 Nov 15;100(5):742–4
Bacteriology and tear protein profiles of the dry eye. Seal DV, et al. **Br J Ophthalmol** 1986 Feb;70(2):122–5
Tear analysis in contact lens wearers. Farris RL. **CLAO J** 1986 Apr–Jun;12(2):106–11
Pathogenesis of corneal lesions in measles. Bhaskaram P, et al. **Hum Nutr Clin Nutr** 1986 May;40(3):197–204
Tear immunoglobulins measured by ELISA. Coyle PK, et al. **Invest Ophthalmol Vis Sci** 1986 Apr;27(4):622–5
Retinol secretion by the lacrimal gland. Ubels JL, et al. **Invest Ophthalmol Vis Sci** 1986 Aug;27(8):1261–8
Inconsistencies in the absorptive capacities of Schirmer tear test strips. Hawkins EC, et al. **J Am Vet Med Assoc** 1986 Mar 1;188(5):511–3
Analysis of amiodarone and desethylamiodarone in serum and tears by reversed-phase high-performance liquid chromatography. Muir KT, et al. **J Chromatogr** 1986 Jan 24;374(2):394–9
High-performance liquid chromatography of artificial tears. Valero J, et al. **J Chromatogr** 1986 Jul 4;362(1):146–51
Studies of human tear proteins: 4. Analysis by crossed immunoelectrophoresis of tears in various diseases. Inada K, et al. **Jpn J Ophthalmol** 1985;29(2):212–21
Tear analysis in multiple sclerosis. Coyle PK, et al. **Neurology** 1986 Apr;36(4):547–50
Tear analysis in contact lens wearers. Farris RL. **Trans Am Ophthalmol Soc** 1985;83:501–45 (212 ref.)
[Rapid simplified technic for determining an increased content of glucose in the tears of patients with diabetes mellitus] Somov EE, et al. **Lab Delo** 1985;(9):533–4 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Topical anaesthetic and tear film stability. Mengher LS, et al. **Acta Ophthalmol (Copenh)** 1986 Feb;64(1):79–82
What's artificial in artificial tears? Kralian LM. **Am J Optom Physiol Opt** 1986 Apr;63(4):304–8
Aminoglycoside antibiotics and lysosomal enzymes of human tears. Shiono T, et al. **Arch Ophthalmol** 1985 Nov; 103(11):1747–9
[Modification of tear film break-up time by hormonal contraceptives] Christ T, et al. **Fortschr Ophthalmol** 1986; 83(1):108–11 (Eng. Abstr.) **(Ger)**
[Goblet cell density modified by pilocarpine] Gerstenberger A, et al. **Fortschr Ophthalmol** 1986;83(1):46–50 (Eng. Abstr.) **(Ger)**
[Therapy of the dry eye] Jaeger W. **Fortschr Ophthalmol** 1986;83(1):126–7 (Eng. Abstr.) **(Ger)**
[Modification of tear secretion and stability of the tear film by nicotine] Marquardt R, et al. **Fortschr Ophthalmol** 1986; 83(1):100–4 (Eng. Abstr.) **(Ger)**
[Immediate effect of a topical beta-blocker on breakup time] Strempel I. **Ophthalmologica** 1986;192(1):11–6 (Eng. Abstr.) **(Ger)**
[Potential use of the gustatory tear test] Karnaukhov AI. **Oftalmol Zh** 1986;(1):64 **(Rus)**

ENZYMOLOGY

Use of tear enzyme activities to assess the corneal response to contact lens wear. Fullard RJ, et al. **Acta Ophthalmol (Copenh)** 1986 Apr;64(2):216–20
Human tear enzyme changes as indicators of the corneal response to anterior hypoxia. Fullard RJ, et al. **Acta Ophthalmol (Copenh)** 1985 Dec;63(6):678–83
Immunoassay of tear lysozyme in acute adenovirus conjunctivitis. Gupta AK, et al. **Br J Ophthalmol** 1986 Jun; 70(6):439–41
Biological variations of lysozyme concentration in the tear fluids of healthy persons. Sen DK, et al. **Br J Ophthalmol** 1986 Apr;70(4):246–8
Lysosomal enzymes in human tear fluid collected by filter paper strips. Kitaoka M, et al. **Exp Eye Res** 1985 Sep; 41(3):259–65
[Quantitative elastase determination in tear fluid in conjunctivitis] Reich ME, et al. **Fortschr Ophthalmol** 1986; 83(1):98–9 (Eng. Abstr.) **(Ger)**
[Proteolytic enzyme activity and surgical interventions in Mooren ulcer] Zajácz M, et al. **Klin Monatsbl Augenheilkd** 1985 Nov;187(5):401–2 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Changes in the concentration of secretory immunoglobulin A in tears during post-operative inflammation of the eye. Sand B, et al. **Acta Ophthalmol (Copenh)** 1986 Apr; 64(2):212–5
Tear and serum antibody levels in ocular herpetic infection: diagnostic precision of secretory IgA. Fox PD, et al. **Br J Ophthalmol** 1986 Aug;70(8):584–8
Sequential analysis of antibody responses in serum, aqueous humor and tear film during latent and induced recurrent HSV infections. Willey DE, et al. **Curr Eye Res** 1985 Dec; 4(12):1235–40
Antibody in tears, saliva and nasal secretions following oral immunization of humans with inactivated influenza virus vaccine. Bergmann KC, et al. **Int Arch Allergy Appl Immunol** 1986;80(1):107–9
Molecular forms of tear IgA and distribution of IgA subclasses in human lacrimal glands. Allansmith MR, et al. **J Allergy Clin Immunol** 1985 Oct;76(4):569–76
Use of tears for diagnosis of feline leukemia virus infection. Hawkins EC, et al. **J Am Vet Med Assoc** 1986 May 1; 188(9):1031–4
An enzyme-linked immunosorbent assay (ELISA) for anti-chlamydial secretory immunoglobulin A in guinea pig tears. Finney PM, et al. **J Immunol Methods** 1986 Jan 22; 86(1):71–4
Biochemical and immunological response of tears of 30 aphakic eyes half of which had received implants and the other half contact lenses. Lundh RL. **Ophthalmologica** 1985;191(3):164–71
Development and stability of rinderpest virus antigens in cattle tears and lymph nodes. Wafula JS, et al. **Trop Anim Health Prod** 1986 Feb;18(1):26–30
[Determination of hepatitis B surface antigen in human tears] Yang YJ. **Chung Hua Yen Ko Tsa Chih** 1985 Jul;21(4):226–8 **(Chi)**
[IgE and conjunctival allergy. Comments based on the 1st 1380 assays] Liotet S, et al. **Bull Soc Ophtalmol Fr** 1985 Aug–Sep;85(8–9):905, 908 **(Fre)**
[Local antibacterial prevention in keratoconjunctivitis sicca] van Bijsterveld OP. **Fortschr Ophthalmol** 1986;83(1):120–1 **(Ger)**
[Diagnostic and prognostic value of determination of antibodies to herpes simplex virus in tears in opthalmoherpes] Chekina Aiu, et al. **Oftalmol Zh** 1985; (8):502–6 (Eng. Abstr.) **(Rus)**
[Role of specific hemagglutinating antibodies in the pathogenesis of tuberculous uveitis] Zaltseva NS, et al. **Oftalmol Zh** 1986;(2):73–6 (Eng. Abstr.) **(Rus)**

METABOLISM

Prostaglandin E2 in tears. Gluud BS, et al. **Acta Ophthalmol [Suppl] (Copenh)** 1985;173:28–9
Bacterial growth in the conjunctival sac and the local defense of the outer eye. Jensen OL, et al. **Acta Ophthalmol [Suppl] (Copenh)** 1985;173:80–2
Tear pH after instillation of buffer in vivo. Norn M. **Acta Ophthalmol [Suppl] (Copenh)** 1985;173:32–4
Hydroxychloroquine crystals in the tear film of a patient with rheumatoid arthritis. Beebe WE, et al. **Am J Ophthalmol** 1986 Mar 15;101(3):377–8
Tear layer thickness characteristics of rigid gas permeable lenses. Guillon M, et al. **Am J Optom Physiol Opt** 1986 Jul;63(7):527–35
Characterization of protein adsorption on soft contact lenses. IV. Comparison of in vivo spoilage with the in vitro adsorption of tear proteins. Castillo EJ, et al. **Biomaterials** 1986 Mar;7(2):89–96
Comparison of tears and lacrimal gland fluid in the rabbit and guinea pig. Thörig L, et al. **Curr Eye Res** 1985 Aug; 4(8):913–20
Quantitation of immunoglobulins in mouse tears using enzyme linked immunosorbent assay (ELISA). Wells PA, et al. **Curr Eye Res** 1985 Nov;4(11):1097–105
Tear film breakup time (B.U.T.) in sub clinical dry eyes. Kulshrestha OP, et al. **Indian J Ophthalmol** 1984 Sep–Oct; 32(5):454–5
Quantitative and qualitative estimation of tear in pterygium. Pandey DJ, et al. **Indian J Ophthalmol** 1984 Sep–Oct; 32(5):373–7
Estimation of tear and serum manganese in disorders of anterior segment of eye. Sharma RG, et al. **Indian J Ophthalmol** 1984 Sep–Oct;32(5):412–4
Plasma and tear concentrations of antibiotics administered parenterally to cattle. Punch PI, et al. **Res Vet Sci** 1985 Sep;39(2):179–87
[Glycoprotein electrophoresis of tears--a new possibility in the diagnosis of the "dry eye" syndrome]Berta A, et al. **Fortschr Ophthalmol** 1986;83(3):287–9 (Eng. Abstr.) **(Ger)**
[Relations between morphologic changes in the conjunctiva and changes in the composition of tear glycoproteins in Sjögren syndrome] Török M, et al. **Fortschr Ophthalmol** 1986;83(3):290–2 (Eng. Abstr.) **(Ger)**
[A method and indicators of chromatic tear-absorbing test in the normal state and in various forms of lacrimal apparatus pathology] Sultanov MIu, et al. **Oftalmol Zh** 1985;(6):370–2 **(Rus)**

MICROBIOLOGY

Early and rapid diagnosis of acute haemorrhagic conjunctivitis with tear specimens. Yin-Murphy M, et al. **Bull WHO** 1985;63(4):705–9
Recommendations for preventing possible transmission of HTLV-III/LAV from tears. **Can Med Assoc J** 1986 Jan 15;134(2):149
Quantitation and kinetics of induced HSV-1 ocular shedding. Hill JM, et al. **Curr Eye Res** 1986 Mar;5(3):241–6
Recovery of HTLV-III from contact lenses [letter] Tervo T, et al. **Lancet** 1986 Feb 15;1(8477):379–80

PHYSIOLOGY

Study of tear film flow and break up time (BUT) in trachoma. Moudgil SS, et al. **Acta Ophthalmol (Copenh)** 1986 Jun; 64(3):295–7
Human tears inhibit the coating of proteins to solid phase surfaces. Boonstra A, et al. **Curr Eye Res** 1985 Nov; 4(11):1137–44
Essential ions for maintenance of the corneal epithelial surface. Bachman WG, et al. **Invest Ophthalmol Vis Sci** 1985 Nov;26(11):1484–8
[Biophysical experimental studies of the stability and flexibility of the lipid layer of the tear film under conditions of compression and spreading] Jaeger W, et al. **Fortschr Ophthalmol** 1986;83(1):86–9 (Eng. Abstr.) **(Ger)**
[Determination of the layer thickness of secretions of the meibomian glands by in vitro conditions] Kaercher T, et al. **Fortschr Ophthalmol** 1986;83(1):90–4 (Eng. Abstr.) **(Ger)**
[Pathophysiology of the precorneal film: lipid layer] Kilp H. **Fortschr Ophthalmol** 1986;83(1):122–4 (Eng. Abstr.) **(Ger)**
[Structure and stability of the precorneal film] Marquardt R. **Fortschr Ophthalmol** 1986;83(1):115–7 (Eng. Abstr.) **(Ger)**
[Determination of tear film break-up time in keratoconjunctivitis sicca with a barrier filter] Pillunat LE, et al. **Fortschr Ophthalmol** 1986;83(1):105–7 (Eng. Abstr.) **(Ger)**

[Path of tear outflow after external naso-lacrimal anastomosis] Weclewicz-Sobczyńska H, et al. **Klin Oczna** 1985 Oct;87(10):406-8 (Eng. Abstr.) (Pol)

SECRETION

Eye symptoms and signs in buildings with indoor climate problems ('office eye syndrome'). Franck C. **Acta Ophthalmol (Copenh)** 1986 Jun;64(3):306-11

Effect of meibomian oils on Schirmer tear test. Pandher KS, et al. **Acta Ophthalmol (Copenh)** 1985 Dec;63(6):695-7

Crocodile tears and thread test of lacrimation. Yagi N, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1986 Jan-Feb; 122:13-6

Thread test of lacrimation in 110 cases of peripheral facial paralysis. Yagi N. **Ann Otol Rhinol Laryngol [Suppl]** 1986 Jan-Feb;122:7-12

Comparison of thread test of lacrimation to Schirmer test. Yagi N. **Ann Otol Rhinol Laryngol [Suppl]** 1986 Jan-Feb; 122:3-6

Lacrimal streams: the demonstration of human lacrimal fluid secretion and the lacrimal ductules. Bron AJ. **Br J Ophthalmol** 1986 Apr;70(4):241-5

Hormonal modulation of tear volume in the rat. Sullivan DA, et al. **Exp Eye Res** 1986 Feb;42(2):131-9

Relationship between pterygium and lacrimation--a clinical study. Pandey DJ, et al. **Indian J Ophthalmol** 1983;31 Suppl:1068-70

An improved method for the delivery of artificial tears using an infusion pump. Karesh JW, et al. **Invest Ophthalmol Vis Sci** 1986 Aug;27(8):1284-8

Infantile achalasia associated with deficient tear production. Efrati Y, et al. **J Clin Gastroenterol** 1985 Oct;7(5):413-5

Effects of bromhexine on the secretions of saliva and tears. Misawa M, et al. **Jpn J Pharmacol** 1985 Oct;39(2):241-50

The syndrome of achalasia of the esophagus, ACTH insensitivity and alacrima. Ambrosino MM, et al. **Pediatr Radiol** 1986;16(4):328-9

The watery eye. Victor WH. **West J Med** 1986 Jun; 144(6):759-62

[Effect of smoking on the anterior segment of the eye] Bao YJ. **Chung Hua Yen Ko Tsa Chih** 1986 Jan;22(1):30-2 (Eng. Abstr.) (Chi)

[Lacrimal hyposecretion in patients under antidepressive treatment] Baserer T, et al. **Bull Soc Ophtalmol Fr** 1985 Mar;85(3):307-8 (Fre)

[The Schirmer test in local anesthesia in open or closed eyelids] Rieger G. **Fortschr Ophthalmol** 1986;83(2):79-80 (Eng. Abstr.) (Ger)

[Reflex lacrimation] Vints LA. **Voen Med Zh** 1986 Apr; (4):59-60 (Rus)

TEAS, MEDICINAL see **BEVERAGES**

TECHNETIUM

A method to label cigarette smoke with 99mTc. McNamee JE, et al. **Health Phys** 1985 Dec;49(6):1189-92

Synthesis and evaluation of a new bifunctional chelating agent for 99mTc labeling proteins: p-carboxyethylphenylglyoxal-di(N-methylthiosemicarbazone). Arano Y, et al. **Int J Nucl Med Biol** 1986;12(6):425-30

Technicium as a radiolabel in the assessment of in vivo human Fc clearance. Lin RY, et al. **J Clin Lab Immunol** 1985 Nov; 18(3):149-51

The adsorption of 99Tcm-radiopharmaceuticals onto injection vials [letter] **Nucl Med Commun** 1985 Oct; 6(10):665-7

Investigation of the parameters related to the formation of 99mTc-pyrophosphate complexes using gel chromatography column scanning. Shafiq YF, et al. **Nuklearmedizin** 1985 Jun;24(3):146-9

[Nuclear medicine--brief scientific reports. 22d symposium of the Society for Nuclear Medicine of East Germany. Reinhardsbrunn, April 1985] **Radiobiol Radiother (Berl)** 1986;27(1):75-117 (Ger)

ADMINISTRATION & DOSAGE

Radiation doses from technetium-99m DTPA administered as an aerosol. Barber RW. **J Nucl Med** 1985 Oct; 26(10):1190-4

Delivery efficiency of technetium-99m DTPA aerosol [letter] Smart RC, et al. **J Nucl Med** 1986 Sep;27(9):1500

ANALYSIS

Liquid chromatography of tin-reduced technetium hydroxyethylidene diphosphonate complexes for on-line spectral characterization and double isotope labeling. Mikelsons MV, et al. **Anal Chem** 1986 May;58(6):1007-13

Design, preparation, and biodistribution of a technetium-99m triaminedithiol complex to assess regional cerebral blood flow. Lever SZ, et al. **J Nucl Med** 1985 Nov;26(11):1287-94

Technetium-99 in generator systems. Moore PW. **J Nucl Med** 1984 Apr;25(4):499-502

CHEMICAL SYNTHESIS

In the procurement of a neutral and compact monomeric complex of dithiosemicarbazone (DTS) derivative: 99mTc-KTS. Hosotani T, et al. **Int J Nucl Med Biol** 1986; 12(6):431-7

Synthesis and biological evaluation of technetium-99m MAG3 as a hippuran replacement. Fritzberg AR, et al. **J Nucl Med** 1986 Jan;27(1):111-6

DIAGNOSTIC USE

Anal abscess imaged with 99mTc-labeled leukocytes. Case report. Kelbaek H, et al. **Acta Chir Scand** 1985;151(5):485-6

Bile flow before and after cholecystectomy: a study with 99mTc-HIDA. van der Linden J Jr, et al. **Acta Chir Scand** 1985;151(5):461-4

A clinical study of the prognostic value of technetium dimercaptosuccinic Acid uptake in renal obstruction. de Meyer JM, et al. **Acta Urol Belg** 1986;54(2):137-42

Diuretic scintigraphy in diagnosis and treatment of urinary tract obstruction. Poulios CS, et al. **Acta Urol Belg** 1986; 54(1):19-36

Thallium-201/technetium-99m pyrophosphate overlap in patients with acute myocardial infarction after thrombolysis: prediction of depressed wall motion despite thallium uptake. Schofer J, et al. **Am Heart J** 1986 Aug; 112(2):291-5

Intestinal permeability to 99mTc-diethylenetriaminopentaacetic acid in inflammatory bowel disease. Casellas F, et al. **Am J Gastroenterol** 1986 Sep;81(9):767-70

Cost-effectiveness of routine radiochemical quality assurance testing of technetium Tc 99m radiopharmaceuticals. Ponto JA, et al. **Am J Hosp Pharm** 1986 May;43(5):1218-22

Technetium 99m-DTPA microcapsules: a new preparation for gastric emptying studies. Chang TM, et al. **Am J Surg** 1986 Jun;151(6):722-4

Respiratory clearance of 99mTc-DTPA and pulmonary involvement in sarcoidosis. Dusser DJ, et al. **Am Rev Respir Dis** 1986 Sep;134(3):493-7

The value of HIDA scanning in intestinal fistulae. Gillen P, et al. **Ann R Coll Surg Engl** 1985 Sep;67(5):330-1

Biliary scintigraphy with DISIDA. A simpler way of showing bile duct patency in suspected biliary atresia. Dick MC, et al. **Arch Dis Child** 1986 Feb;61(2):191-2

Thallium-technetium parathyroid scan. A useful noninvasive technique for localization of abnormal parathyroid tissue. Manni A, et al. **Arch Intern Med** 1986 Jun;146(6):1077-80

Scintiscanning of mucoepidermoid tumor of the parotid gland. Haraguchi S, et al. **Auris Nasus Larynx** 1985;12 Suppl 2:S117-21

Unilateral hydrothorax complicating continuous ambulatory peritoneal dialysis: demonstration by 99m-technetium-tin-colloid scintigraphy. Paramsothy M, et al. **Australas Radiol** 1985 Nov;29(4):311-4

Evaluation of muscle damage in electrical burns. 99mTc-pyrophosphate. Vázquez Selles J, et al. **Bol Asoc Med PR** 1986 Feb;78(2):44-5

The fractional distribution of the cardiac output in man using microspheres labelled with technetium 99m. Crean PA, et al. **Br J Radiol** 1986 Mar;59(699):209-15

Clinical comparison of a new technetium 99m DTPA aerosol delivery system with krypton 81m. Finn JP, et al. **Br J Radiol** 1986 Jan;59(697):19-24

Comparison as a lymphoscintigraphic agent between 99Tcm dextran and 99Tcm antimony sulphide colloid. Juma N, et al. **Br J Radiol** 1985 Apr;58(688):325-30

Technetium-labelled liposome imaging for deep-seated infection. Morgan JR, et al. **Br J Radiol** 1985 Jan; 58(685):35-9

The measurement of limb blood flow using technetium-labelled red blood cells. Parkin A, et al. **Br J Radiol** 1986 May;59(701):493-7

Breast scintigraphy with 99mTc-diethylene triamine penta-acetic acid for the detection of malignant disease. den Outer AJ, et al. **Br J Surg** 1986 Aug;73(8):613-4

Detection of inflammatory bowel disease in adults and children: evaluation of a new isotopic technique. Dawson DJ, et al. **Br Med J [Clin Res]** 1985 Nov 2; 291(6504):1227-30

Technetium-99m autologous phagocyte scanning: a new imaging technique for inflammatory bowel disease [letter] Peters AM, et al. **Br Med J [Clin Res]** 1986 Aug 16; 293(6544):450-1

Clearance of inhaled 99mTc DTPA from regions of the lung recently affected by pulmonary embolus. Buxton-Thomas M, et al. **Bull Eur Physiopathol Respir** 1986 Jan-Feb; 22(1):55-60

Technetium-99m-labelled red blood cell scanning to diagnose occult gastrointestinal bleeding. Szasz IJ, et al. **Can J Surg** 1985 Nov;28(6):512, 514

Specific diagnosis of hepatocellular carcinoma by delayed hepatobiliary imaging. Hasegawa Y, et al. **Cancer** 1986 Jan 15;57(2):230-6

Distribution of intrapleural and intravenous Corynebacterium parvum in humans; 99mTc-, and 131I-labeled bacteria. Kaufmann M, et al. **Cancer Immunol Immunother** 1986; 22(1):56-61

Radionuclide exercise testing for coronary artery disease. Beller GA. **Cardiol Clin** 1984 Aug;2(3):367-78 (34 ref.)

Exercise nuclear imaging for the evaluation of coronary artery disease. Meizlish JL, et al. **Cardiovasc Clin** 1985; 15(2):105-23 (108 ref.)

Pneumocystis pneumonia increases the clearance rate of inhaled 99mTc DTPA from lung to blood. Jones DK, et al. **Chest** 1985 Oct;88(4):631-2

Gallbladder simulating renal fracture during technetium-99m glucoheptonate evaluation for renal trauma. Alexieva-Jackson B, et al. **Clin Nucl Med** 1986 May; 11(5):363-4

Biliary scanning interpretations using technetium-99m DISIDA. Blue PW. **Clin Nucl Med** 1985 Oct;10(10):742-51

Inability of bone and gallium imaging to differentiate acute gouty arthritis from septic arthritis. Bozen I. **Clin Nucl Med** 1986 Jun;11(6):443-4

Intense myocardial uptake of gallium-67 citrate and technetium-99m pyrophosphate in a uremic patient. Chaudhuri TK. **Clin Nucl Med** 1985 Oct;10(10):728-9

Ventilation scanning with technetium labeled aerosols. DTPA or sulfur colloid? Coates G, et al. **Clin Nucl Med** 1985 Dec;10(12):835-8

Technetium-99m pyrophosphate scintigraphy for the detection of acute myocardial infarction. How useful is it? Desai AG, et al. **Clin Nucl Med** 1985 Sep;10(9):622-5

Technetium-99m glucoheptonate as a scanning agent in hepatocellular carcinoma. Esser JD, et al. **Clin Nucl Med** 1985 Aug;10(8):586-8

Enterogastric reflux detection with technetium-99m IDA. Garcia A, et al. **Clin Nucl Med** 1985 Aug;10(8):550-2

Bleeding in an atonic stomach simulating lower gastrointestinal bleeding on technetium-99m RBC scintigraphy. Groshar D, et al. **Clin Nucl Med** 1985 Oct; 10(10):733

Rapid bronchopulmonary clearance of technetium-99m DTPA with renal uptake. Karimeddini MK, et al. **Clin Nucl Med** 1985 Sep;10(9):673

Visual determination of differential renal function. Kipper MS, et al. **Clin Nucl Med** 1986 May;11(5):313-8

Clinical comparison of technetium-99m-N,N-bis(mercaptoacetyl)-2,3-diaminopropanoate with technetium-99m DTPA for renal imaging. Kuni CC, et al. **Clin Nucl Med** 1985 Nov; 10(11):810-3

Technetium-99m RBC venography revealing bilateral iliac vein obstruction. Lisann NM, et al. **Clin Nucl Med** 1986 Aug;11(8):598-9

Demonstration of a primary bone tumor of the breast by technetium-99m diphosphonate bone imaging. Lumsden AB. **Clin Nucl Med** 1986 May;11(5):362

Scintigraphy of bile leakage following cholecystectomy. Makhija M, et al. **Clin Nucl Med** 1985 Dec;10(12):848-50

Multiple sites of extraosseous deposition of bone imaging agent in lupus erythematosus. Mathews J, et al. **Clin Nucl Med** 1985 Oct;10(10):730

Technetium-99m DISIDA imaging in autosomal-dominant polycystic kidney. Mishkin J, et al. **Clin Nucl Med** 1986 May;11(5):368

The value of obtaining renal images following brain scintigraphy with technetium-99m glucoheptonate. Moreao AJ, et al. **Clin Nucl Med** 1986 Aug;11(8):560-3

The appearance of a large mesenteric varix on a technetium-99m red blood cell gastrointestinal bleeding study. Mountz JM, et al. **Clin Nucl Med** 1986 Apr; 11(4):229-32

Imaging of head and neck tumors with technetium(V)-99m DMSA. A new tumor-seeking agent. Ohta H, et al. **Clin Nucl Med** 1985 Dec;10(12):835-60

Increased pulmonary technetium-99m DTPA accumulation in a patient with Goodpasture's syndrome. Oster ZH, et al. **Clin Nucl Med** 1985 Oct;10(10):724-6

Technetium-99m DMSA imaging and the obstructed kidney. Piepsz A, et al. **Clin Nucl Med** 1986 Jun;11(6):389-91

Intrahepatic bile leak producing delayed accumulation of technetium-99m DISIDA in an amebic liver abscess. Prakash R, et al. **Clin Nucl Med** 1986 May;11(5):360-1

Abdominal carcinomatosis secondary to ovarian carcinoma imaged by diphosphonate scanning. Serena A, et al. **Clin Nucl Med** 1985 Sep;10(9):671-2

Comparison of technetium-99m sulfur colloid and in vitro labeled technetium-99m RBCs in the detection of gastrointestinal bleeding. Siddiqui AR, et al. **Clin Nucl Med** 1985 Aug;10(8):546-9

Dual "hot spot" during combined hepatic imagingSlavin JD Jr, et al. **Clin Nucl Med** 1985 Aug;10(8):603

Comparative evaluation of technetium-99m glucoheptonate and gallium-67 citrate thoracic imaging in detection of mediastinal and hilar involvement in primary lung cancer. Taillefer R, et al. **Clin Nucl Med** 1986 Jan;11(1):15-9

Detection of urinary extravasation by delayed technetium-99m DTPA renal imaging. Taki J, et al. **Clin Nucl Med** 1986 Aug;11(8):583-4

Calculation of relative glomerular filtration rate and correlation with delayed technetium-99m DMSA imaging. Taylor A Jr, et al. **Clin Nucl Med** 1986 Jan;11(1):28-31

Diffuse lung uptake of technetium-99m tin colloid in heat stroke. Case report. Tonami N, et al. **Clin Nucl Med** 1985 Nov;10(11):769-71

Abscess adjacent to gallbladder. A new cause of false-positive DISIDA scan. Weiss PE, et al. **Clin Nucl Med** 1985 Sep;10(9):615-6

Suprarenal abscess in the neonate. Technetium-99m glucoheptonate imaging. Wells RG, et al. **Clin Nucl Med** 1986 Jan;11(1):32-4

Sequential uptake patterns of technetium-99m pyrophosphate in hepatoma. Yeh SH, et al. **Clin Nucl Med** 1985 Dec; 10(12):844-7

Thallium/technetium functional imaging of the thyroid and parathyroid. A case report. Ziessman HA, et al. **Clin Nucl Med** 1985 Dec;10(12):865-7

Incorporation of a new radioactive compound, 4+Sn-117m DTPA, into normal and burred rat femurs. Hurst LC, et

al. Clin Orthop 1986 May;(206):290–4
Follow–up of circulatory changes secondary to deep venous thrombosis with special regards to radionuclide tests. Edenbrandt CM, et al. Clin Physiol 1986 Apr;6(2):153–61
Scintigraphic evidence that the right ventricular myocardium tolerates ischaemia better than the left ventricular myocardium. Schofer J, et al. Eur Heart J 1985 Sep; 6(9):751–8
Assessment of split renal function with 99mTc–aprotinin. Aprile C, et al. Eur J Nucl Med 1986;12(1):37–40
Paradoxical technetium–thallium subtraction scan in a case of parathyroid adenoma. Bedig G, et al. Eur J Nucl Med 1985;11(8):324–6
Relationship between severity of clinical symptoms and delay in gastric emptying in chronic gastritis; studied with 99mTc–DTPA scintigraphy. da Rocha AF, et al. Eur J Nucl Med 1986;12(2):91–5
Comparative assessment of techniques for estimation of glomerular filtration rate with 99mTc–DTPA. Fawdry RM, et al. Eur J Nucl Med 1985;11(1):7–12
Normal uterine activity on a 99mTc–glucoheptonate renal scan. Krauth PH, et al. Eur J Nucl Med 1986;11(9):371–2
99mTc–DTPA and 99mTc–DMSA renal gamma imaging in the surveillance of patients with conduit urinary diversion. Lindell O, et al. Eur J Nucl Med 1986;12(2):80–5
Nuclear medicine in the diagnosis of cardiac contusion. Lopez–Majano V, et al. Eur J Nucl Med 1985;11(8):290–4
Prognostic investigations after myocardial infarction: a comparison of radionuclide angiography and 201Tl scintigraphy. Murray DP, et al. Eur J Nucl Med 1986; 11(10):381–5
Technetium thiodiglycollic acid (99mTc–TDG). A new radiopharmaceutical with the potential for the assessment of renal function. Nowotnik DP, et al. Eur J Nucl Med 1985;11(8):285–9
99mTc–DTPA gamma–camera renography: normal values and rapid determination of single–kidney glomerular filtration rate. Rehling M, et al. Eur J Nucl Med 1985; 11(1):1–6
The prevention of adhesion of 99mTc–tin (II) colloid to glass surfaces. Roberts NK, et al. Eur J Nucl Med 1985; 11(2–3):90
A combined procedure for 99mTc aerosol ventilation and perfusion imaging. Smart RC, et al. Eur J Nucl Med 1985; 11(2–3):65–8
Physiological variations of normal transit time in children. Vivian G, et al. Eur J Nucl Med 1985;11(5):179–81
Role of Tc–99m diethylene triamine penta acetic acid (DTPA)—renal study in children with upper urinary tract dilatation. Padhy AK, et al. Indian J Med Res 1985 Sep; 82:238–47
Effect of the Tc–nitrido group on the behaviour of 99mTc–radiopharmaceuticals. Baldas J, et al. Int J Appl Radiat Isot 1985 Dec;36(12):919–23
A simplified technique for quantifying 24–h whole body retention of 99mTc–labeled methylene diphosphonate (MDP). Castronovo FP Jr, et al. Int J Nucl Med Biol 1985; 12(3):209–14
A Walker 256 tumor–induced osteogenic small animal model for the evaluation of [99mTc] diphosphonate radiopharmaceuticals. Cheng KT, et al. Int J Nucl Med Biol 1985;12(3):197–208
99mTc bone scanning agents—II. Adsorption of 99mTc(Sn)pyrophosphate complexes on the mineral phase of bone. Kroesbergen J, et al. Int J Nucl Med Biol 1986; 12(6):411–7
99mTc bone scanning agents—I. Influence of experimental conditions on the formation and gel chromatography of 99mTc(Sn)pyrophosphate complexes. Kroesbergen J, et al. Int J Nucl Med Biol 1985;12(2):83–8
Distribution of radiolabeled multilamellar liposomes injected intralymphatically and subcutaneously. Perez–Soler R, et al. Int J Nucl Med Biol 1985;12(4):261–6
Evaluation of radiocolloids as thrombus imaging agents. Effect of particle size on thrombus uptake. Rosenthal SN, et al. Int J Nucl Med Biol 1985;12(5):375–80
The design of a pentavalent 99mTc–dimercaptosuccinate complex as a tumor imaging agent. Yokoyama A, et al. Int J Nucl Med Biol 1985;12(4):273–9
A study of esophageal reflux following total gastrectomy with hepatobiliary sequential scintigraphy using TC–99m DISIDA. Nano M, et al. Ital J Surg Sci 1986;16(1):17–22
Comparison of ultrashort–lived iridium–191m with technetium–99m for first pass radionuclide angiocardiographic evaluation of right and left ventricular function in adults. Heller GV, et al. J Am Coll Cardiol 1986 Jun;7(6):1295–302
Effect of increases in lung volume on clearance of aerosolized solute from human lungs. Marks JD, et al. J Appl Physiol 1985 Oct;59(4):1242–8
Effect of raised thoracic pressure and volume on 99mTc–DTPA clearance in humans. Nolop KB, et al. J Appl Physiol 1986 May;60(5):1493–7
Effect of inspiratory resistance and PEEP on 99mTc–DTPA clearance. O'Brodovich H, et al. J Appl Physiol 1986 May; 60(5):1461–5
Improved computer–assisted nuclear imaging in renovascular hypertension. Gross ML, et al. J Clin Hypertens 1985 Dec; 1(4):326–35
Erythrocyte radiolabelling: in vitro comparison of chromium, technetium, and indium in undamaged and heat damaged cells. Peters AM, et al. J Clin Pathol 1986 Jul;39(7):717–21
Gallbladder visualization during technetium–99m–labeled red cell scintigraphy for gastrointestinal bleeding. Brill DR. J Nucl Med 1985 Dec;26(12):1408–11
Lung ventilation studies with technetium–99m Pseudogas. Burch WM, et al. J Nucl Med 1986 Jun;27(6):842–6
Technetium–99m APD compared with technetium–99m MDP as a bone scanning agent. Degrossi OJ, et al. J Nucl Med 1985 Oct;26(10):1135–9
False–negative thallium–technetium subtraction scintigraphy. Fobben E, et al. J Nucl Med 1986 Apr;27(4):564–6
Synthesis and biological evaluation of technetium–99m MAG3 as a hippuran replacement. Fritzberg AR, et al. J Nucl Med 1986 Jan;27(1):111–6
Evaluation in dogs and humans of three potential technetium–99m myocardial perfusion agents. Gerundini P, et al. J Nucl Med 1986 Mar;27(3):409–16
Measurement of glomerular filtration rate using technetium–99m DTPA [letter] Ginjaume M, et al. J Nucl Med 1985 Nov;26(11):1347–9
Effect of region of interest selection on first–pass radionuclide cardiac output determination. Glass EC, et al. J Nucl Med 1986 Aug;27(8):1282–92
Detection of esophageal ulcerations with technetium–99m albumin sucralfate. Goff JS, et al. J Nucl Med 1986 Jul; 27(7):1143–6
Poor results with technetium–99m (V) DMS and iodine–131 MIBG in the imaging of medullary thyroid carcinoma. Hilditch TE, et al. J Nucl Med 1986 Jul;27(7):1150–3
Dynamic SPECT of the brain using a lipophilic technetium–99m complex, PnAO. Holm S, et al. J Nucl Med 1985 Oct;26(10):1129–34
Technetium–99m DMSA uptake by metastatic carcinoma of the prostate [letter] Jeghers O, et al. J Nucl Med 1986 Jul; 27(7):1223–4
Clinical comparison of two radiocolloids for internal mammary lymphoscintigraphy. Kaplan WD, et al. J Nucl Med 1985 Dec;26(12):1382–5
Technetium–99m BIDA biliary scintigraphy in the evaluation of the jaundiced patient. Lee AW, et al. J Nucl Med 1986 Sep;27(9):1407–12
Amyloid goiter: preoperative scintigraphic diagnosis using Tc–99m pyrophosphate. Lee VW, et al. J Nucl Med 1984 Apr;25(4):468–71
Correction: Technetium–99m low density lipoprotein radiolabeling procedure [letter] Lees RS. J Nucl Med 1986 Aug;27(8):1377
Exercise increases the lung clearance of inhaled technetium–99m DTPA. Meignan M, et al. J Nucl Med 1986 Feb;27(2):274–80
The detection of a gastrointestinal bleeding site in patients with liver cirrhosis: which agent to use? [letter] Perlman SB, et al. J Nucl Med 1986 Mar;27(3):435–6
Bilateral urinothorax identified by technetium–99m DPTA renal imaging. Ralston MD, et al. J Nucl Med 1986 Jan; 27(1):56–9
Regional comparison of technetium–99m DTPA aerosol and radioactive gas ventilation (xenon and krypton) studies in patients with suspected pulmonary embolism. Ramanna L, et al. J Nucl Med 1986 Sep;27(9):1391–6
Technetium–99m labeling of murine monoclonal antibody fragments. Rhodes BA, et al. J Nucl Med 1986 May; 27(5):685–93
Significance of single ventilation/perfusion mismatches in krypton–81m/technetium–99m lung scintigraphy. Rosen JM, et al. J Nucl Med 1986 Mar;27(3):361–5
Quality control of technetium–99m DTPA: correlation of analytic tests with in vivo protein binding in man. Russell CD, et al. J Nucl Med 1986 Apr;27(4):560–2
Joint scintigraphy using technetium–99m pyrophosphate in experimental hemarthrosis. Salimi Z, et al. J Nucl Med 1986 Feb;27(2):246–55
Technetium–99m HM–PAO stereoisomers as potential agents for imaging regional cerebral blood flow: human volunteer studies. Sharp PF, et al. J Nucl Med 1986 Feb;27(2):171–7
Localization of technetium–99m DTPA in neurofibroma [letter] Siddiqui AR. J Nucl Med 1986 Jan;27(1):143–4
Radioimmunoimaging of experimental thrombi in dogs using technetium–99m–labeled monoclonal antibody fragments reactive with human platelets. Som P, et al. J Nucl Med 1986 Aug;27(8):1315–20
Technetium–99m NGA functional hepatic imaging: preliminary clinical experience. Stadalnik RC, et al. J Nucl Med 1985 Nov;26(11):1233–42
A new method for granulocyte labeling with technetium–99m: preliminary results in abscess detection. Sundrehagen E, et al. J Nucl Med 1986 Apr;27(4):555–9
Comparison of iodine–131 OIH and technetium–99m MAG3 renal imaging in volunteers. Taylor A Jr, et al. J Nucl Med 1986 Jun;27(6):795–803
Failure to visualize acutely injured kidneys with technetium–99m DMSA does not preclude recoverable function. Taylor A Jr, et al. J Nucl Med 1986 Mar; 27(3):377–9
Radiation absorbed dose from Tc–99m diethylenetriaminepentaacetic acid (DTPA). Thomas SR, et al. J Nucl Med 1984 Apr;25(4):503–5
Re: New perspectives in localizing enlarged parathyroids by technetium–thallium subtraction scan [letter] Winzelberg GG, et al. J Nucl Med 1984 Apr;25(4):539–40
Potential pitfall of DMSA scintigraphy in patients with ureteral duplication. Wu F, et al. J Nucl Med 1986 Jul; 27(7):1154–6
Second International Symposium on Technetium in Chemistry and Nuclear Medicine. Padua, Italy, September 9–11, 1985. Abstracts of the communications. J Nucl Med Allied Sci 1985 Jul–Sep;29(3):185–219
HM–PAO: a new technetium–99m labelled agent for brain SPECT. Costa DC, et al. J Nucl Med Allied Sci 1985 Oct–Dec;29(4):337–8
Diagnosis of mesenteric venous thrombosis with 99mTc–labeled erythrocytes: an experimental study in rats. Uccheddu A, et al. J Nucl Med Allied Sci 1985 Oct–Dec; 29(4):289–92
Differentiation of jaundice in infancy: an application of radionuclide biliary studies. Johnston GS, et al. J Surg Oncol 1985 Dec;30(4):206–8
Nuclide imaging of vascular graft–platelet interactions: comparison of indium excess and technetium subtraction techniques. Wakefield TW, et al. J Surg Res 1986 Apr; 40(4):388–94
Renal accumulation of 99mTc–DMSA in the artificially perfused isolated rat kidney. Goldraich NP, et al. J Urol 1985 Dec;134(6):1282–6
Sensitivity of 99mtechnetium–dimercaptosuccinic acid for the diagnosis of chronic pyelonephritis: clinical and theoretical considerations. Stoller ML, et al. J Urol 1986 May;135(5):977–80
The early diagnosis of common bile duct obstruction using cholescintigraphy. Kaplun L, et al. JAMA 1985 Nov 1; 254(17):2431–4
Coupling of the 99mtechnetium–nitrido group to monoclonal antibody and use of the complexes for the detection of tumors in mice. Kanellos J, et al. JNCI 1986 Aug; 77(2):431–9
Preparation of Tc 99m–Sn–thioglycolic acid–dl–isoleucine (Tc–99m–TGA–ILEU) complex and its comparison with Tl 201–chloride for myocardial imaging. Faiz–ur–Rehman, et al. JPMA 1986 Feb;36(2):40–3
Tc–99m–Sn colloid dynamic and static scintigraphic evaluation of patients with portal hypertension. Kamal S, et al. Kaku Igaku 1986 Apr;23(4):389–95
99mTc–labelled hexamethylpropyleneamine oxime photon emission scans in epilepsy [letter] Biersack HJ, et al. Lancet 1985 Dec 21–28;2(8469–70):1436–7
Bloated irritable bowel syndrome defined by dynamic 99mTc bran scan. Trotman IF, et al. Lancet 1986 Aug 16; 2(8503):364–6
Adrenal imaging with technetium–99m–labelled low density lipoproteins. Isaacsohn JL, et al. Metabolism 1986 Apr; 35(4):364–6
Technetium–99m labeling of albumin microspheres intended for drug targeting. Burger JJ, et al. Methods Enzymol 1985; 112:43–56
99mTc–DTPA uptake in malignant and inflammatory bowel disease: experience from gastrointestinal bleeding studies. Abdel–Dayem HM, et al. Nucl Med Commun 1986 May; 7(5):381–9
Normal volunteer studies with modified 99Tcm tin colloid. Clarke MB, et al. Nucl Med Commun 1985 Oct;6(10):641–8
Nycthemeral variations of 99Tcm–labelled heparin pharmacokinetic parameters. Decousus M, et al. Nucl Med Commun 1985 Oct;6(10):633–40
Measurement of glomerular filtration rate by means of a 99Tcm–DTPA complex and a scintillation camera: a method based on the kinetics of the distribution volume of the tracer in the kidney area. Delcourt E, et al. Nucl Med Commun 1985 Dec;6(12):787–94
Criteria for detection of deep venous thrombosis by 99Tcm–plasmin test. Edenbrandt CM, et al. Nucl Med Commun 1986 Jun;7(6):455–62
Which diphosphonate for routine bone scintigraphy (MDP, HDP or DPD)? Frühling J, et al. Nucl Med Commun 1986 Jun;7(6):415–25
The relationship between renal parenchymal mass and absolute quantitation of 99Tcm–DMSA uptake. An experimental study in the growing pig. Godley ML, et al. Nucl Med Commun 1985 Jul;6(7):377–88
Technetium–99m isonitrile complex as a potential myocardial imaging agent. Khalil MN, et al. Nucl Med Commun 1985 Oct;6(10):615–22
Pulmonary epithelial permeability: vascular background effects on whole lung and regional half–time values. Langford JA, et al. Nucl Med Commun 1986 Mar; 7(3):183–90
A failure of 99Tcm–DTPA perfusion scanning to identify perfusion in nonfunctioning transplants: two case reports. Nunan TO, et al. Nucl Med Commun 1984 Feb;5(2):87–9
Renal parenchymal determination and analysis during dynamic 99Tcm–DTPA scans in children. Vivian GC, et al. Nucl Med Commun 1984 Jan;5(1):35–40
Technetium–99m labelled porphyrin as an imaging agent for occult infections and inflammation. Zanelli GD, et al. Nucl Med Commun 1986 Jan;7(1):17–24
A comparison of 111In–labelled polymer beads and 99mTc–Sn–colloid as solid food and semi–solid food tracers for scintigraphic gastric emptying studies. Dormehl IC, et al. Nuklearmedizin 1986 Apr;25(2):50–4
Scintigraphic detection of experimental myocardial infarction with 99mTc–heparin in the dog. Dulka F, et al. Nuklearmedizin 1985 Jun;24(3):111–4
Clinical significance of lung uptake in liver scanning. Lantto T, et al. Nuklearmedizin 1986 Feb;25(1):15–8
Tumor localization and biodistribution of 99mTc–muramylpolypeptide (MPP) in the rat. Schümichen

C, et al. **Nuklearmedizin** 1986 Feb;25(1):28–30
Bone scintigraphic changes in osteonecrosis of the femoral head. Boonarens F, et al. **Orthop Clin North Am** 1985 Oct; 16(4):697–703
Biliary scintigraphy in children with sickle cell anemia and acute abdominal pain. D'Alonzo WA Jr, et al. **Pediatr Radiol** 1985;15(6):395–8
The localization of urinary tract infection with 99mTc glucoheptonate scintigraphy. Traisman ES, et al. **Pediatr Radiol** 1986;16(5):403–6
Apparent gut excretion of Tc-99m–DISIDA in a case of extrahepatic biliary atresia. Williamson SL, et al. **Pediatr Radiol** 1986;16(3):245–7
Dual isotope (81Krm and 99Tcm) SPECT in lung function diagnosis. Klumper A, et al. **Phys Med Biol** 1986 Jul; 31(7):751–61
Localization of therapeutic gelatin emboli using radiolabeling—an experimental study. Seo HS, et al. **Radiat Med** 1985 Jan–Mar;3(1):29–32
Time course of 99mTc-pyrophosphate and 99mTc-gluconate uptake in experimental ischaemic myocardial necrosis. Kasalický J, et al. **Radiobiol Radiother (Berl)** 1985; 26(5):641–50
Hepatogram deconvolution analysis using 99mTc-pyridoxyl-methyl-tryptophan. Yamashita M, et al. **Radioisotopes** 1985 Sep;34(9):505–7
Superior sagittal sinus thrombosis: assessment with Tc-99m labeled red blood cells. Front D, et al. **Radiology** 1986 Feb; 158(2):453–6
Congenitally corrected transposition in the adult: detection by radionuclide angiocardiography. Guit GL, et al. **Radiology** 1985 Nov;157(2):521–7
Acute acalculous cholecystitis: sensitivity in detection using technetium-99m iminodiacetic acid cholescintigraphy. Swayne LC. **Radiology** 1986 Jul;160(1):33–8
Radionuclide studies in upper gastro-intestinal ulceration—are they reliable? A pilot study of 6 patients. Carstens AJ, et al. **S Afr Med J** 1985 Dec 7;68(12):867–8
Reliability of a 99mTc-DTPA gamma camera technique for determination of single kidney glomerular filtration rate. A comparison to plasma clearance of 51Cr-EDTA in one-kidney patients, using the renal clearance of inulin as a reference. Rehling M, et al. **Scand J Urol Nephrol** 1986; 20(1):57–62
Use of Tc-99m DMSA and Tc-99m DTPA in reflux. Gordon I. **Semin Urol** 1986 May;4(2):99–107
A two year experience with 99mTC HIDA cholescintigraphy in teaching hospital practice. Jamieson NV, et al. **Surg Gynecol Obstet** 1986 Jul;163(1):29–32
Computerized technetium/thallium scans and parathyroid reoperation. Skibber JM, et al. **Surgery** 1985 Dec; 98(6):1077–82
Localization of residual medullary thyroid cancer by thallium/technetium scintigraphy. Talpos GB, et al. **Surgery** 1985 Dec;98(6):1189–96
99mTc(V)-dimercaptosuccinic acid scintigraphy for medullary thyroid carcinoma. Miyauchi A, et al. **World J Surg** 1986 Aug;10(4):640–5
[Computerized nuclear stethoscopes used in traditional Chinese medicine and western medicine] Liang GZ. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Jan;6(1):55–6 (Chi)
[Preparation of 99mTc-dextran and its preliminary application in lymph and blood-pool imaging] Guan CT, et al. **Sou Chuan I Hsueh Yuan Hsueh Pao** 1985 Dec; 16(4):357–60 (Eng. Abstr.) (Chi)
[Scintigraphic detection of experimental myocardial infarct using 99mTC-hydroxyethylidine diphosphonate (99mTc-EHDP)] Dulka F, et al. **Cesk Radiol** 1986 Mar; 40(2):102–8 (Eng. Abstr.) (Cze)
[Scintigraphic diagnosis of the localization, extent and disease progression in malignant tumors using 99mTc-citrate] Schmidt W, et al. **Cesk Radiol** 1986 May;40(3):195–200 (Eng. Abstr.) (Cze)
[Determination of metabolic activity in bone tissue in rats using 24-hour whole-body retention of 99mTc-diphosphonate] Kapitola J, et al. **Sb Lek** 1986 Jan; 88(1):13–6 (Eng. Abstr.) (Cze)
[False positive heart scintigraphy using gluconate in patients with pericarditis] Dulka F, et al. **Vnitr Lek** 1985 Nov; 31(11):1096–9 (Eng. Abstr.) (Cze)
[Cardiac angioscintigraphy at equilibrium coupled with isoproterenol perfusion. Method of diagnosing chronic coronary insufficiency] Pezard P, et al. **Arch Mal Coeur** 1985 Aug;78(8):1188–97 (Eng. Abstr.) (Fre)
[Evaluation of hepatic perfusion by angioscintigraphy with sodium 99mTc-phytate. A possibility of classifying patients with cirrhosis? (letter)] Balique JG, et al. **Gastroenterol Clin Biol** 1986 May;10(5):440–1 (Fre)
[Gastroesophageal 99mTc scintigraphy in gastroesophageal reflux] Baptiste P, et al. **Gastroenterol Clin Biol** 1986 Feb; 10(2):141–6 (Eng. Abstr.) (Fre)
[Demonstration and localization of hemorrhage in the intestinal tract. Comparison between 99mTc-colloid scintigraphy and selective angiography of the visceral vessels] Wetzel E, et al. **Dtsch Med Wochenschr** 1986 Feb 7;111(6):203–6 (Eng. Abstr.) (Ger)
[Determination of liver circulation with radionuclides. I. Modification of 99mTc-MMS accumulation in the liver using drugs] Gerdts B, et al. **Nuklearmedizin** 1985 Aug; 24(4):169–72 (Eng. Abstr.) (Ger)
[ROTOP-BIDA for the preparation of 99mTc-Sn-N-(p-butylacetanilido)-iminodiacetate] Berger R, et al. **Radiobiol Radiother (Berl)** 1986;27(2):225–8 (Eng. Abstr.) (Ger)
[Results of animal experiment tests of technetium-99m-DMPE in minipigs] Schmidt J, et al. **Radiobiol Radiother (Berl)** 1986;27(1):97–100 (Ger)
Himmerlein M, et al. **Radiol Diagn (Berl)** 1985;26(4):529–37 (Eng. Abstr.) (Ger)
[Comparative scintigraphic analysis of 99mTc aerosol inhalation and 81m Kr ventilation in chronic obstructive bronchial disease] Weiss T, et al. **ROFO** 1985 Sep; 143(3):284–8 (Eng. Abstr.) (Ger)
[Blood circulation in the fingers studied by a 99mTc DTPA-labeled isotope] Kubatov M, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1986; 29(1):45–50 (Eng. Abstr.) (Hun)
[Negativity of myocardial scintigraphy with technetium-pyrophosphate in a case of primary cardiac amyloidosis] Volpi A, et al. **G Ital Cardiol** 1985 Sep; 15(9):925–9 (Eng. Abstr.) (Ita)
[Radioisotopic study of the cerebrospinal fluid in young children with 99mTc-DTPA] Mussa GC, et al. **Minerva Pediatr** 1986 Feb 28;38(3–4):63–74 (Eng. Abstr.) (Ita)
[Scintigraphy of pulmonary ventilation with 99mTc-DTPA radio-aerosol. I. Semiotics of the static images] Maini CL, et al. **Radiol Med (Torino)** 1986 Apr;72(4):204–9 (Eng. Abstr.) (Ita)
[RI angiography with 99mTc and 201T1-chloride scintigraphy in determining the effectiveness of intra-arterial infusion in chemotherapy of locally advanced and recurrent breast cancer] Senga O, et al. **Gan No Rinsho** 1986 Jul;32(8):873–8 (Eng. Abstr.) (Jpn)
[Renal function study by 99mTc-DMSA renal scintigraphy in each treatment of staghorn calculi] Hida S, et al. **Hinyokika Kiyo** 1985 Aug;31(8):1401–6 (Eng. Abstr.) (Jpn)
[The use of 99mTc-dimercaptosuccinic acid renoscintigraphy in the evaluation of differential renal function] Okamura K, et al. **Hinyokika Kiyo** 1985 Jun;31(6):931–6 (Eng. Abstr.) (Jpn)
[Cardiac involvement in systemic amyloidosis: myocardial scintigraphic evaluation] Hongo M, et al. **J Cardiogr** 1985 Mar;15(1):163–80 (Eng. Abstr.) (Jpn)
[Left ventricular function in hypertrophic cardiomyopathy: a Tc-99m radionuclide angiographic study during exercise] Takahashi H, et al. **J Cardiogr** 1986;16 Suppl 8:63–73 (Eng. Abstr.) (Jpn)
[Measurement of split glomerular filtration rate by fractional renal uptake of Tc-99m DTPA] Aburano T, et al. **Kaku Igaku** 1985 Dec;22(12):1781–7 (Eng. Abstr.) (Jpn)
[The dual energy myocardial SPECT of 99mTc-PYP and 201TlCl for diagnosis of acute myocardial infarction] Fukuda H, et al. **Kaku Igaku** 1985 Oct;22(10):1545–9 (Eng. Abstr.) (Jpn)
[Endoscopic lymphoscintigraphy with SPECT] Kohno Y, et al. **Kaku Igaku** 1986 Jan;23(1):55–8 (Eng. Abstr.) (Jpn)
[Exercise renography with two-time injection of 99mTc-DTPA at a short interval—deconvolution analysis in normal subjects and patients with essential hypertension] Kubota Y, et al. **Kaku Igaku** 1986 Mar;23(3):267–71 (Eng. Abstr.) (Jpn)
[Analysis of renograms with simultaneous injection of 99mTc-DTPA and 131I-OIH—estimation of GFR, ERPF and retention function of individual kidney] Maeda M, et al. **Kaku Igaku** 1985 Sep;22(9):1341–52 (Eng. Abstr.) (Jpn)
[Clinical evaluation of lymphoscintigraphy using 99mTc-rhenium-colloid. Malignant lymphoma] Maruo N, et al. **Kaku Igaku** 1985 Dec;22(12):1843–50 (Jpn)
[Exercise-induced renal dysfunction studied by 99mTc-DTPA in hypertensives and normotensive controls] Mizuiri S, et al. **Kaku Igaku** 1985 Dec; 22(12):1753–63 (Eng. Abstr.) (Jpn)
[An investigation of factors that induce low efficiency of 99mTc-RBC in vivo labeling—with special reference to the effect of the reaction between 99mTcO4- and SnCl2 remaining in the three-way cock] Narahashi S, et al. **Kaku Igaku** 1986 May;23(5):505–11 (Jpn)
[Tumor imaging using Tc(V)-99m dimercaptosuccinic acid, a newly developed radiopharmaceutical: its clinical usefulness] Ohta H, et al. **Kaku Igaku** 1985 Nov; 22(11):1653–60 (Eng. Abstr.) (Jpn)
[Hepatobiliary scintigraphy with Tc-99m-PMT in a case of Rotor's disease. Comparison with the image of Tc-99m E-HIDA] Yoshida S, et al. **Kaku Igaku** 1985 Dec; 22(12):1823–7 (Jpn)
[The value of 99mTc-DMSA uptake in renal function test] Watanabe M. **Nippon Hinyokika Gakkai Zasshi** 1985 Oct; 76(10):1504–15 (Eng. Abstr.) (Jpn)
[Diagnosis of acute cholecystitis using hepatobiliary scintigraphy with 99mTc-PMT] Takada T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1985 Jul 25; 45(7):1032–8 (Eng. Abstr.) (Jpn)
[Diagnostic significance of technetium-99m-pyrophosphate, technetium-99m-methylene diphosphonate and gallium-67-citrate scintigraphy in amyloid heart disease—a study with AL amyloidosis and familial amyloid polyneuropathy] Hongo M, et al. **Nippon Naika Gakkai Zasshi** 1986 Jan;75(1):1–8 (Jpn)
[A case of familial amyloid polyneuropathy demonstrating marked myocardial uptake of technetium-99m-pyrophosphate] Kawashima A, et al. **Nippon Naika Gakkai Zasshi** 1985 Jun;74(6):774–9 (Jpn)
[Clinical evaluation of 99mTc-N-pyridoxyl-5-methyltryptophan hepatobiliary scintigraphy in hepatocellular carcinoma] Kashiwagi T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Sep; 82(9):2061–7 (Eng. Abstr.) (Jpn)
[Estimation of 99mTc-dimercaptosuccinic acid renal uptake using single photon emission computed tomography] Ohishi Y, et al. **Radioisotopes** 1986 Mar;35(3):115–21 (Eng. Abstr.) (Jpn)
[Abnormal accumulation of 99mTc-pyrophosphate in a patient with amyloidosis: case report] Sakakibara N, et al. **Rinsho Hoshasen** 1986 Jan;31(1):135–8 (Eng. Abstr.) (Jpn)
[Diagnostic possibilities of radionuclide methods of studying patients with stable and unstable angina pectoris] Ponomareva AG, et al. **Kardiologiia** 1986 Feb;26(2):74–8 (Eng. Abstr.) (Rus)
[Radiation doses to patients after the use of 99mTc-pyrophosphate and 113mIn-indifor] Popov VI, et al. **Med Radiol (Mosk)** 1986 Jul;31(7):53–7 (Eng. Abstr.) (Rus)
[Experimental evaluation of the the possible use of 99mTc- and 133mIn-labelled aminomethylene phosphonates for skeletal scintigraphy] Sedov VV, et al. **Med Radiol (Mosk)** 1986 Mar;31(3):13–7 (Eng. Abstr.) (Rus)
[Diagnostic significance of electrocardiography and myocardial scintigraphy with 99m Tc-Sn-pyrophosphate and 99m Tc-Sn-phosphone in patients with stenocardia] Zudbinov Iul, et al. **Med Radiol (Mosk)** 1986 Aug; 31(8):22–6 (Eng. Abstr.) (Rus)
[Pulmonary scintigraphy using the inhalation of monodispersed radioactive aerosols. Preliminary report] Cuarón A, et al. **Arch Inst Cardiol Mex** 1986 Jan–Feb; 56(1):25–32 (Eng. Abstr.) (Spa)
[Isotopic localization of hepatic metastasis of medullary carcinoma of the thyroid with Tc-99 pyrophosphate (letter)] Salmerón de Diego J, et al. **Med Clin (Barc)** 1985 Sep 28;85(9):385 (Spa)
[Localization of gastrointestinal hemorrhage-marking red blood cells in vivo and in vitro with 99mTc] Noguera E, et al. **Medicina (B Aires)** 1984;44(4):397–401 (Eng. Abstr.) (Spa)
[Non-invasive diagnosis of spontaneous and accidental biliary fistulas. Apropos of 5 cases] Alarco Hernández A, et al. **Rev Esp Enferm Apar Dig** 1985 Aug;68(2):117–20 (Eng. Abstr.) (Spa)
[Caroli's disease: usefulness of gammagraphy with TC-99m HIDA before the suspicion of hepatic abscess. Presentation of a case] De la Figuera M, et al. **Rev Esp Enferm Apar Dig** 1986 May;69(5):476–9 (Eng. Abstr.) (Spa)
[A radioisotope method in the evaluation of tricuspid insufficiency] Dighero H, et al. **Rev Med Chil** 1985 Jul; 113(7):653–6 (Eng. Abstr.) (Spa)
[Hepatic scintigraphy (99mTc colloid) in patients with liver abscess: multivariate analysis] Lobo G, et al. **Rev Med Chil** 1985 Dec;113(12):1203–9 (Eng. Abstr.) (Spa)

METABOLISM

Effects of common therapeutic concentrations of oxygen on lung clearance of 99mTc DTPA and bronchoalveolar lavage albumin concentration. Griffith DE, et al. **Am Rev Respir Dis** 1986 Aug;134(2):233–7
Cigarette smoke induced changes in rat pulmonary clearance of 99mTcDTPA. A comparison of particulate and gas phases. Minty BD, et al. **Am Rev Respir Dis** 1985 Dec; 132(6):1170–3
The relationships of aerosol deposition, lung size, and the rate of mucociliary clearance. Gerrard CS, et al. **Arch Environ Health** 1986 Jan–Feb;41(1):11–5
The contribution of lymphatic drainage to the clearance of inhaled 99mTc-DTPA from the lungs. Coates G, et al. **Clin Invest Med** 1986;9(1):15–20
Pulmonary clearance of inhaled 99mTc-DTPA: effect of surfactant depletion in rabbits. Wollmer P, et al. **Clin Physiol** 1986 Feb;6(1):85–9
Skeletal muscle damage: a study of isotope uptake, enzyme efflux and pain after stepping. Newham DJ, et al. **Eur J Appl Physiol** 1986;55(1):106–12
Synthesis, tissue distribution and tumor uptake of 99mTc- and 67Ga-tetrasulfophthalocyanine. Rousseau J, et al. **Int J Appl Radiat Isot** 1985 Sep;36(9):709–16
Biodistribution of [14C]PnAO in rats. McKenzie EH, et al. **Int J Nucl Med Biol** 1985;12(2):133–4
Permeability of human brain tumor to 99mTc-gluco-heptonate and 99mTc-albumin. Implications for monoclonal antibody therapy. Neuwelt EA, et al. **J Neurosurg** 1986 Aug;65(2):194–8
Effect of reperfusion and hyperemia on the myocardial distribution of technetium-99m t-butylisonitrile. Holman BL, et al. **J Nucl Med** 1986 Jul;27(7):1172–7
Mechanism of renal concentration of technetium-99m glucoheptonate. Lee HB, et al. **J Nucl Med** 1985 Nov; 26(11):1308–13
Effect of altered thyroid status on the transport of hepatobiliary radiopharmaceuticals. Pahuja DN, et al. **J Nucl Med** 1985 Oct;26(10):1168–71

Measurement of glomerular filtration rate: single injection plasma clearance method without urine collection. Russell CD, et al. J Nucl Med 1985 Nov;26(11):1243–7
Uptake of hexakis(t-butylisonitrile) technetium (I) and hexakis(isopropylisonitrile) technetium (I) by neonatal rat myocytes and human erythrocytes. Sands H, et al. J Nucl Med 1986 Mar;27(3):404–8
Technetium-99m galactosyl-neoglycoalbumin: preparation and preclinical studies. Vera DR, et al. J Nucl Med 1985 Oct;26(10):1157–67
Extraction efficiency and biliary excretion of hepatobiliary imaging agents in the rat perfused liver. Fritzberg AR, et al. J Pharm Pharmacol 1985 Dec;37(12):919–22
99mTc-DTPA clearance in bullous emphysema. Antonelli Incalzi R, et al. Nuklearmedizin 1985 Aug;24(4):180–4
Changes in pulmonary clearance of technetium labelled DTPA during haemodialysis. Belcher NG, et al. Thorax 1986 May;41(5):381–5
[Kinetics of EHIDA clearance by the liver—requirements for a radiopharmaceutical for determining liver function] Buchali K, et al. Radiobiol Radiother (Berl) 1985; 26(4):507–12 (Eng. Abstr.) (Ger)
[Comparison of the biokinetic parameters of [99mTc(DMPE)]-complexes with myocardial affinity] Syhre R, et al. Radiobiol Radiother (Berl) 1986;27(1):94–6 (Ger)

TOXICITY

Technetium-99m-labeled lymphocytes: a radiotoxicity study. Merz T, et al. J Nucl Med 1986 Jan;27(1):105–10

URINE

Determination of 99Tc in urine by liquid scintillation counting to evaluate internal contamination. Cattarin S, et al. Health Phys 1985 Nov;49(5):795–804
[Evaluation of internal and external exposure to ionizing radiation in nuclear medicine and radiotherapy departments] Adamiak-Ziemba J, et al. Pol Przegl Radiol (Warszawa) 1985 Jul-Aug;49(4):263–6 (Eng. Abstr.) (Pol)

TECHNETIUM METHYLENE DIPHOSPHONATE see **TECHNETIUM TC 99M MEDRONATE**

TECHNETIUM SULFUR COLLOID see **TECHNETIUM TC 99M SULFUR COLLOID**

TECHNETIUM TC 99M MEDRONATE

ADVERSE EFFECTS

Severe systemic reaction to diphosphonate bone imaging agents: skin testing to predict allergic response and a safe alternative agent. Ramos-Gabatin A, et al. J Nucl Med 1986 Sep;27(9):1432–5

ANALOGS & DERIVATIVES

Localization of 99mTc-HMDP in hepatic metastases from colonic carcinoma. Shih WJ, et al. AJR 1986 Feb; 146(2):333–6
Bone-seeking radiopharmaceutical uptake as an indicator of mandibular growth in rats. Cisneros GJ, et al. Angle Orthod 1985 Oct;55(4):336–44
Visualization of acute hepatic necrosis with a bone imaging agent. Hakim S, et al. Clin Nucl Med 1985 Oct;10(10):697–8
Identification of rhabdomyolysis with technetium-99m HDP bone imaging. Menendez IC, et al. Clin Nucl Med 1985 Nov;10(11):823
Ring-like uptake pattern of a skeletal imaging agent in a huge renal cell carcinoma. Shih WJ, et al. Clin Nucl Med 1986 May;11(5):319–21
Photopenia of a hemithorax on technetium-99m HMDP bone scintigraphy resulting from massive pleural effusion. Shih WJ, et al. Clin Nucl Med 1985 Aug;10(8):572–4
Prolonged half-life following diuretic radionuclide urography as evidence of ureteral obstruction. Taylor A Jr, et al. Clin Nucl Med 1985 Nov;10(11):796–8
Unusual hepatic uptake pattern of technetium-99m sulfur colloid and technetium-99m HDP in amyloidosis. Vincent LM, et al. Clin Nucl Med 1986 Jun;11(6):436–7
Clinical differences between bone-seeking agents [letter] Arndt JW, et al. Eur J Nucl Med 1985;11(8):330
Clinical comparison of 99mTc-HMDP and 99mTc-MDP. A multicenter study. Delaloye B, et al. Eur J Nucl Med 1985;11(5):182–5
Isopropyl alcohol is a cause of stomach activity on oxidronate bone scans. Peterson EM, et al. Int J Nucl Med Biol 1985; 12(4):295–8
Evaluation of renal-skeleton ratio of technetium-99m phosphonate in multiple myeloma. Dey HM, et al. J Nucl Med 1985 Nov;26(11):1270–4
Sequential technetium-99m HMDP-gallium-67 citrate imaging for the evaluation of infection in the painful prosthesis. Merkel KD, et al. J Nucl Med 1986 Sep; 27(9):1413–7

ANALYSIS

Electrophoretic analysis of technetium-99m MDP complexes [letter] Shafer RB, et al. J Nucl Med 1985 Nov; 26(11):1346–7

CHEMICAL SYNTHESIS

99mTc bone scanning agents—III. Preparation and gel chromatography of 99mTc(Sn)MDP complexes. Kroesbergen J, et al. Int J Nucl Med Biol 1986;12(6):419–24

DIAGNOSTIC USE

Isotope scanning with Tc99m-MDP of the spine and the costosternal junctions of patients with idiopathic scoliosis. Normelli H, et al. Acta Radiol [Diagn] (Stockh) 1985 Jul-Aug;26(4):397–401
Technetium Tc 99m medronate bone scanning in rhabdomyolysis. Frymoyer PA, et al. Arch Intern Med 1985 Nov;145(11):1991–5
Role of 99mTc methylene diphosphonate bone imaging in the management of lymphoma. Anderson KC, et al. Cancer Treat Rep 1985 Dec;69(12):1347–51
Technetium-99m MDP accumulation in malignant ascites. Borzutzky CA, et al. Clin Nucl Med 1985 Oct;10(10):731–2
Renal cell carcinoma presenting as a "hot" lesion in kidney, with "cold" metastasis in the skeleton.Borzutzky CA, et al. Clin Nucl Med 1985 Oct;10(10):710–2
Accumulation of technetium-99m MDP in a cavernous hemangioma of the liver. Burkhalter JL, et al. Clin Nucl Med 1986 Jul;11(7):498–500
Myocardial localization of technetium-99m MDP in an infant. Fleming JC, et al. Clin Nucl Med 1986 May; 11(5):369–70
Extraosseous localization of technetium-99m MDP in benign cystic teratoma. Fuller C, et al. Clin Nucl Med 1986 Aug; 11(8):574–6
Nearly total absence of pulmonary perfusion with corresponding technetium-99m MDP and gallium-67 uptake in a patient with mediastinal neuroblastoma. Garty I, et al. Clin Nucl Med 1985 Aug;10(8):579–82
Accumulation of technetium-99m MDP in distended ureter. A potential error in diagnosing osteoblastic bone activity. Garty I, et al. Clin Nucl Med 1985 Sep;10(9):667
Dermal uptake of technetium-99m MDP in calcinosis cutis. Larsen MJ, et al. Clin Nucl Med 1985 Nov;10(11):780–2
Technetium-99m MDP activity in unsuspected necrotizing fasciitis. Lisann NM, et al. Clin Nucl Med 1986 Mar; 11(3):218–20
Diphosphonate intestinal activity seen on two bone images in neuroblastoma. McCarthy KE, et al. Clin Nucl Med 1986 Jul;11(7):501–2
Extraosseous uptake of technetium-99m MDP in secondary deposits of neuroblastoma. Mandell GA, et al. Clin Nucl Med 1986 May;11(5):337–40
Accumulation of technetium-99m MDP in an intramuscular hemangioma. Mandell GA, et al. Clin Nucl Med 1986 Jul; 11(7):487–90
Bone scintigraphy in latent congenital syphilis. Moreno AJ, et al. Clin Nucl Med 1985 Nov;10(11):824–5
Osteomalacia. An imposter of osseous metastasis. Velchik MG, et al. Clin Nucl Med 1985 Nov;10(11):783–5
Extraosseous bone-tracer uptake. Plasma cell granuloma. Wells RG, et al. Clin Nucl Med 1986 Jul;11(7):527
Bone scintigraphy. Cherubism. Wells RG, et al. Clin Nucl Med 1985 Dec;10(12):892
Radionuclide scintigraphy of femoral head specimens removed at arthroplasty for failed femoral neck fractures. Alberts KA, et al. Clin Orthop 1986 Apr;(205):222–9
Clinical differences between bone-seeking agents [letter] Arndt JW, et al. Eur J Nucl Med 1985;11(8):330
Diffuse pulmonary uptake of 99mTc bone-imaging agents: case report and survey. Coolens JL, et al. Eur J Nucl Med 1985;11(1):36–42 (31 ref.)
Clinical comparison of 99mTc-HMDP and 99mTc-MDP. A multicenter study. Delaloye B, et al. Eur J Nucl Med 1985;11(5):182–5
The complementary role of sequential 99mTc-MDP and 67Ga-citrate scanning in the diagnosis and follow-up of neuroblastoma. Garty I, et al. Eur J Nucl Med 1985; 11(6–7):224–9
Observations on para-articular uptake of radiophosphate after hip replacement. Rosenthall L, et al. Eur J Nucl Med 1986;11(11):417–20
A micro-autoradiographical study of the localization of 99mTc(Sn)-MDP and 99mTc-MDP in undecalcified bone sections. Savelkoul TJ, et al. Eur J Nucl Med 1986; 11(11):459–62
Intracranial meningioma with abnormal localization of bone-seeking radiopharmaceutical: correlation with gross and microscopic pathology. Shih WJ, et al. Eur J Nucl Med 1985;11(1):43–5
Comparative uptake of 67Ga and 99mTc MDP in rabbits with a benign noninfected bone lesion (fracture). Bushberg JT, et al. Invest Radiol 1985 Aug;20(5):498–503
Scintigraphy with Tc99m-MDP in the diagnosis of stress lesions in bone. Motta F, et al. Ital J Orthop Traumatol 1985 Jun;11(2):215–22
Radiophosphate evaluation of loose hip prostheses. Rosenthall L, et al. J Can Assoc Radiol 1985 Sep; 36(3):189–93
Technetium 99m MDP uptake in drug-induced fibrous myopathy. Rodan BA, et al. J Fla Med Assoc 1985 Dec; 72(12):1042–4
Comparison of bone and gallium-67 imaging in heroin users' arthritis. Bittini A, et al. J Nucl Med 1985 Dec; 26(12):1377–81
Resolution of massive technetium-99m methylene diphosphonate uptake in the stomach in vitamin D intoxication. Corstens F, et al. J Nucl Med 1986 Feb; 27(2):219–22
Technetium-99m APD compared with technetium-99m MDP as a bone scanning agent. Degrossi OJ, et al. J Nucl Med 1985 Oct;26(10):1135–9
Localization of technetium-99m methylene diphosphonate in bone using microautoradiography. Einhorn TA, et al. J Orthop Res 1986;4(2):180–7
Single photon emission computerized tomography of the skull. De Roo M, et al. Nucl Med Commun 1985 Oct; 6(10):649–56
Which diphosphonate for routine bone scintigraphy (MDP, HDP or DPD)? Frühling J, et al. Nucl Med Commun 1986 Jun;7(6):415–25
99Tcm-MDP, 67Ga-citrate and 111In-leucocytes for detecting prosthetic hip infection. Mountford PJ, et al. Nucl Med Commun 1986 Feb;7(2):113–20
Renogram study using 99mTc-methylene-diphosphonate. Yamashita M, et al. Radioisotopes 1985 Jul;34(7):382–5
Evaluation of the healing process of bone fractures in the non-human primate using sequential 99mTc-methylene diphosphonate scintigraphy. Mennen U, et al. S Afr J Surg 1985 Sep;23(3):98–101
[24-hour whole-body retention of 99mTc-methylene diphosphonate as an indicator of metabolic activity in osseous tissue in osteopathies] Kapitola J, et al. Cas Lek Cesk 1986 Jun 27;125(26):815–6 (Eng. Abstr.) (Cze)
[Scintigraphic follow-up of the cementless hip prosthesis] Fernandez-Fairen M, et al. Acta Orthop Belg 1985 Mar-Jun;51(2-3):400–10 (Eng. Abstr.) (Fre)
[Analysis of the scintigraphic image of bone grafts in reconstruction of total hip prostheses] de la Caffinière JY, et al. Rev Chir Orthop 1985;71(6):369–76 (Eng. Abstr.) (Fre)
[Accumulation of 99mTc-methane diphosphonic acid (MDP) in both breasts in prolactinoma] Karkavitsas N, et al. Digitale Bilddiagn 1986 Jun;6(2):67–9 (Ger)
[New criteria for scintigraphic follow-up of bone metastases following radiotherapy. Results of functional scintigraphy using 99mTc-MDP] Knop J, et al. Nuklearmedizin 1985 Dec;24(5–6):238–43 (Eng. Abstr.) (Ger)
[Localization of technetium-99m methylene diphosphonate in hepatocellular carcinoma—a report of two cases] Shirai S, et al. Kaku Igaku 1985 Nov;22(11):1721–5 (Jpn)
[Diagnostic significance of technetium-99m-pyrophosphate, technetium-99m-methylene diphosphonate and gallium-67-citrate scintigraphy in amyloid heart disease—a study with AL amyloidosis and familial amyloid polyneuropathy] Hongo M, et al. Nippon Naika Gakkai Zasshi 1986 Jan;75(1):1–8 (Jpn)
[Evaluation of skull scintigraphy with 99mTc-labeled phosphate complex in the mouse] Kaneko M, et al. Radioisotopes 1986 Feb;35(2):77–9 (Jpn)

METABOLISM

Technetium-99m Medronate uptake in subcutaneous soft-tissue nodules in a patient with renal failure and renal adenocarcinoma. MacMillan JC, et al. Br J Radiol 1986 Jun;59(702):613–5
Protein-binding and urinary excretion of 99mTc(Sn)-MDP and 99mTc-MDP. Savelkoul TJ, et al. Int J Nucl Med Biol 1985;12(2):125–31
Evaluation of renal-skeleton ratio of technetium-99m phosphonate in multiple myeloma. Dey HM, et al. J Nucl Med 1985 Nov;26(11):1270–4

TECHNETIUM TC 99M AGGREGATED ALBUMIN

[Nuclear medicine—brief scientific reports. 22d symposium of the Society for Nuclear Medicine of East Germany. Reinhardsbrunn, April 1985] Radiobiol Radiother (Berl) 1986;27(1):75–117 (Ger)

DIAGNOSTIC USE

Visualization of the left hepatic lobe during radioisotopic venography/lung imaging with technetium-99m MAA. Bartold K, et al. Clin Nucl Med 1986 Apr;11(4):259–61
Accumulation of technetium-99m MAA in the pancreas during intra-arterial catheter infusion. D'Avignon MB, et al. Clin Nucl Med 1985 Oct;10(10):686
Lymphoscintigraphy in patients with lymphedema. A new approach using intradermal injections of technetium-99m human serum albumin. Ohtake E, et al. Clin Nucl Med 1986 Jul;11(7):474–8
Hepatic localization of Tc-99m MAA in inferior vena cava obstruction. Vea HW, et al. Clin Nucl Med 1985 Nov; 10(11):772–6
Radioaerosol ventilation imaging in ventilator-dependent patients. Technical considerations. Vezina W, et al. Clin Nucl Med 1985 Nov;10(11):759–66
Atlas of hepatic arterial perfusion scintigraphy. Ziessman HA, et al. Clin Nucl Med 1985 Sep;10(9):675–81
Diagnosis of adult respiratory distress syndrome with Tc-99m human serum albumin and portable probe. Spicer KM, et al. Crit Care Med 1986 Aug;14(8):669–76
Breast-milk radioactivity after 99mTc-MAA lung studies. Cranage R, et al. Eur J Nucl Med 1985;11(6–7):257–9
Imaging platelet deposition on Dacron bifurcation grafts in

man: quantification by a dual-tracer method using 111In-labeled platelets and 99mTc-labeled human serum albumin. Isaka Y, et al. **Eur J Nucl Med** 1986;11(10):386–92
[Isotope studies in the detection of pulmonary embolism] Schelstraete K. **Acta Chir Belg** 1986 Mar–Apr;86(2):85–8 (Eng. Abstr.) **(Dut)**
[Phase imaging of isotopic ventriculographies: contribution to the study of the Wolff–Parkinson–White syndrome] Aliot E, et al. **Arch Mal Coeur** 1985 Aug;78(8):1166–71 (Eng. Abstr.) **(Fre)**
[Bone marrow scintigraphy using radiocolloids in bone metastases. Sensitivity, specificity, reliability and indications] Fritz P, et al. **ROFO** 1986 Jun;144(6):689–95 (Eng. Abstr.) **(Ger)**
[Lymphoscintigraphy. Comparison of 2 microcolloids labeled with Tc99m] Ciambellotti E, et al. **Minerva Med** 1986 Mar 10;77(9–10):313–6 (Eng. Abstr.) **(Ita)**
[Digital perfusion images for evaluating patients with mitral valve replacement] Tanaka T, et al. **J Cardiogr** 1985 Mar; 15(1):89–99 (Eng. Abstr.) **(Jpn)**
[Utility of Tc-99m-MAA pulmonary perfusion images in patients with dilated cardiomyopathy] Tanaka T, et al. **Kaku Igaku** 1985 Sep;22(9):1361–6 (Eng. Abstr.) **(Jpn)**
[Application of 99mTc-MAA perfusion scintigraphy for the diagnosis and management of pulmonary thrombolism—a report of two cases] Umeda T, et al. **Kaku Igaku** 1985 Jul; 22(7):1073–9 **(Jpn)**
[Regional disorders of blood flow in the microcirculatory bed of the pulmonary circulation in acute purulent pneumonia in children] Strakhov SN, et al. **Gruda Khir** 1986 Jan–Feb;(1):51–4 (Eng. Abstr.) **(Rus)**

METABOLISM

Permeability of human brain tumor to 99mTc-gluco-heptonate and 99mTc-albumin. Implications for monoclonal antibody therapy. Neuwelt EA, et al. **J Neurosurg** 1986 Aug;65(2):194–8

TECHNETIUM TC 99M PERTECHNETATE

Chemical, radiochemical, and radionuclide purity of eluates from different commercial fission 99Mo/99mTc generators. Hammermaier A, et al. **Eur J Nucl Med** 1986;12(1):41–6
Effect of Sn(II) ion concentration and heparin on technetium-99m red blood cell labeling. Rao SA, et al. **J Nucl Med** 1986 Jul;27(7):1202–6

ADMINISTRATION & DOSAGE

Patterns of radioaerosol lung scintiscanning in chronic obstructive lung disease. Garg A, et al. **Indian J Chest Dis Allied Sci** 1984 Jul–Sep;26(3):135–43

DIAGNOSTIC USE

Indication and clinical application of radionuclide hysterosalpingography using 99mTc-pertechnetate. Rýznar V, et al. **Acta Univ Palacki Olomuc Fac Med** 1984; 107:185–93
Detection of the bleeding source from small intestine: intraoperative endoscopy and preoperative abdominal scintigraphy by technetium 99m pertechnetate. Yamamoto Y, et al. **Am Surg** 1985 Nov;51(11):658–60
Scintiscanning of mucoepidermoid tumor of the parotid gland. Haraguchi S, et al. **Auris Nasus Larynx** 1985;12 Suppl 2:S117–21
Technetium pertechnetate imaging in apparent solitary thyroid nodule. Sukthomya V. **Australas Radiol** 1985 Aug; 29(3):223–5
Assessment of thallium-pertechnetate subtraction scintigraphy in hyperparathyroidism. Percival RC, et al. **Br J Radiol** 1985 Feb;58(686):131–5
Discordant findings in technetium-99m pertechnetate and iodine-123 thyroid imaging caused by vascular retention in the superior vena cava. Burke TS, et al. **Clin Nucl Med** 1985 Oct;10(10):716–8
Utility of bladder lavage in Meckel's scanning. Datz FL, et al. **Clin Nucl Med** 1985 Nov;10(11):804–6
False-negative delayed imaging in Meckel's diverticulum. Feuerstein IM, et al. **Clin Nucl Med** 1985 Dec;10(12):889–90
Free technetium simulating a solitary hepatic defect on technetium-99m liver scans. Kuhn MJ, et al. **Clin Nucl Med** 1985 Oct;10(10):736–7
Calyceal pertechnetate as a false-positive focus of ectopic gastric mucosa. Mukherji S, et al. **Clin Nucl Med** 1985 Aug; 10(8):570–1
Reverse discordant behavior in microfollicular adenoma of thyroid. Case report. Patel BR, et al. **Clin Nucl Med** 1985 Sep;10(9):653–4
Preoperative scintigraphic detection of cervical metastases from thyroid carcinoma with technetium-99m pertechnetate. Vieras F. **Clin Nucl Med** 1985 Aug; 10(8):567–9
Comparison of 68Ga-EDTA, [1-11 C]alpha-aminoisobutyric acid, and [99mTc]sodium pertechnetate in an experimental blood–brain barrier lesion. Washburn LC, et al. **Int J Nucl Med Biol** 1985;12(4):267–9
Stimulated salivary clearance of technetium-99m pertechnetate [letter] Becker W, et al. **J Nucl Med** 1986 Feb;27(2):306–9
The blood–tissue barrier of human brain tumors: correlation of scintigraphic and ultrastructural findings: concise communication. Front D, et al. **J Nucl Med** 1984 Apr; 25(4):461–5
Detection of an extrahepatic portal shunt by per-rectal portal scintigraphy with Tc-99m RBC [letter] Shiomi M, et al. **J Nucl Med** 1984 Apr;25(4):540–1
The gastric 99mTc clearance—a technique for the evaluation of the gastric blood flow. Andreica V, et al. **Med Interne** 1986 Jan–Mar;24(1):81–6
A method of radionuclide angiography and comparison with contrast aortography in the assessment of aorto-iliac disease. Grime JS, et al. **Nucl Med Commun** 1986 Jan; 7(1):45–52
The role of the radioisotope phallogram in the investigation of vasculogenic impotence. Siraj QH, et al. **Nucl Med Commun** 1986 Mar;7(3):173–82
Absolute indications for salivary gland scintigraphy with 99mTc-pertechnetate. van den Akker HP, et al. **Oral Surg Oral Med Oral Pathol** 1985 Oct;60(4):440–7
The analytical sensitivity of Tc99m radionuclide 'milk' scanning in the detection of gastro-oesophageal reflux. Paton JY, et al. **Pediatr Radiol** 1985;15(6):381–3
Esophageal source measurement of Tc-99m attenuation coefficients for use in left ventricular volume determinations. Fearnow EC 3d, et al. **Radiology** 1985 Nov; 157(2):517–20
Left ventricular function evaluation using radionuclide methods in the intensive coronary care unit. van Aswegen A, et al. **Radiology** 1986 Jan;158(1):252–3
A new method for rapid technetium-99m labelling of leucocytes: functional cell studies in vitro. Sundrehagen E, et al. **Scand J Clin Lab Invest** 1985 Dec;45(8):717–24
Pitfalls of gastrointestinal bleeding studies with 99mTc-labeled RBCs. Lecklitner ML, et al. **Semin Nucl Med** 1986 Apr;16(2):151–4
[Scintigraphy of the thyroid gland with technetium 99m pertechnetate] Pedersen DM, et al. **Ugeskr Laeger** 1986 Jan 13;148(3):131–2 (Eng. Abstr.) **(Dan)**
[Study of acupuncture meridians using radioactive tracers] de Vernejoul P, et al. **Bull Acad Natl Med (Paris)** 1985 Oct;169(7):1071–5 (Eng. Abstr.) **(Fre)**
[Diagnosis of deep venous thrombosis of the leg using scintigraphy with 99m technetium-labeled erythrocytes] Derbekyan V, et al. **Union Med Can** 1986 Apr;115(4):224–6, 228 (Eng. Abstr.) **(Fre)**
[99mTc uptake and TSH receptor autoantibodies—comparative study in Basedow's disease and other thyroid diseases] Baum RP, et al. **Nuklearmedizin** 1985 Jun;24(3):141–5 (Eng. Abstr.) **(Ger)**
[Scintigraphic visualization of a distant metastasis from a follicular thyroid carcinoma using 99mTc pertechnetate prior to thyroidectomy. Case report] Fritsch S, et al. **ROFO** 1986 Jan;144(1):107–9 **(Ger)**
[Salivary gland scintigraphy using subtraction technique: evaluation for salivary gland neoplasm of positive localization of 99mTcO4] Nakanishi F, et al. **Kaku Igaku** 1986 Jan;23(1):65–71 **(Jpn)**
[Evaluation of infantile liver cirrhosis by the RI hepatogram using 99mTcO4–] Ogawa T, et al. **Kaku Igaku** 1985 Jun; 22(6):895–9 (Eng. Abstr.) **(Jpn)**
[RI scintigraphy of parotid adenolymphoma] Haraguchi S, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1985 Jul;88(7):911–9 (Eng. Abstr.) **(Jpn)**
[Accumulation of 99mTc-pyrophosphate and structural changes in cardiac muscle during pharmacologic correction of stress injuries of the heart] Malyshev VV, et al. **Arkh Patol** 1986;48(6):20–3 (Eng. Abstr.) **(Rus)**
[Regional disorders of blood flow in the microcirculatory bed of the pulmonary circulation in acute purulent pneumonia in children] Strakhov SN, et al. **Gruda Khir** 1986 Jan–Feb;(1):51–4 (Eng. Abstr.) **(Rus)**

METABOLISM

Altered distribution of technetium-99m sodium pertechnetate associated with antimicrobial therapy. Castronuovo JJ, et al. **Clin Nucl Med** 1985 Dec;10(12):868–71
Uptake and secretion of technetium pertechnetate by the rat parotid gland. Fox PC, et al. **Comp Biochem Physiol [A]** 1986;83(3):579–84
Disparate uptake of 99mTcO4– and 125I– in thyroid cells in culture. Eggo MC, et al. **Horm Metab Res** 1986 Mar; 18(3):167–72

TECHNETIUM TC 99M SULFUR COLLOID

DIAGNOSTIC USE

Gastric emptying in a diabetic: 99mTc sulfur colloid in solid meal. Rivera JV, et al. **Bol Asoc Med PR** 1985 Oct; 77(10):422–4
Subacute splenic abscess. Appearance on indium-111 leukocyte, gallium-67, and technetium-99m sulfur colloid imaging. Ammann W, et al. **Clin Nucl Med** 1986 Mar; 11(3):165–7
Nuclear medicine evaluation of focal fatty infiltration of the liver. Baker MK, et al. **Clin Nucl Med** 1986 Jul;11(7):503–6
Ventilation scanning with technetium labeled aerosols. DTPA or sulfur colloid? Coates G, et al. **Clin Nucl Med** 1985 Dec;10(12):835–8
Technetium-99m sulfur colloid imaging of vascular thrombosis in pancreaticosplenic transplant. Grassi CJ, et al. **Clin Nucl Med** 1986 Aug;11(8):558–9
Liver–spleen scintigraphy in glycogen storage disease (glycogenoses). Heyman S. **Clin Nucl Med** 1985 Dec; 10(12):839–43
An unusual cause of a hot spot on sulfur colloid liver imaging. Jackson DE Jr, et al. **Clin Nucl Med** 1986 Aug;11(8):549–50
The use of technetium-99m sulfur colloid in the detection of patent processus vaginalis in patients on continuous ambulatory peritoneal dialysis. Mandel P, et al. **Clin Nucl Med** 1985 Aug;10(8):553–5
Peritoneoscintigraphy in detection of improper placement of peritoneal catheter into bowel lumen prior to chromic phosphate P-32 therapy. A case report. Neutze J, et al. **Clin Nucl Med** 1985 Nov;10(11):777–9
Focal nodular hyperplasia of the liver. Scintigraphic demonstration with technetium-99m sulfur colloid emission computed tomography. Parker LA, et al. **Clin Nucl Med** 1985 Aug;10(8):601
Incidental vertebral lesions identified during technetium-99m sulfur colloid liver–spleen imaging. Shih WJ, et al. **Clin Nucl Med** 1986 Aug;11(8):585–9
Simultaneous demonstration of pleural effusion and ascites by technetium-99m sulfur colloid liver–spleen scintigraphy. Shih WJ, et al. **Clin Nucl Med** 1985 Sep;10(9):637–8
Comparison of technetium-99m sulfur colloid and in vitro labeled technetium-99m RBCs in the detection of gastrointestinal bleeding. Siddiqui AR, et al. **Clin Nucl Med** 1985 Aug;10(8):546–9
Dual "hot spot" during combined hepatic imagingSlavin JD Jr, et al. **Clin Nucl Med** 1985 Aug;10(8):603
Unusual hepatic uptake pattern of technetium-99m sulfur colloid and technetium-99m HDP in amyloidosis. Vincent LM, et al. **Clin Nucl Med** 1986 Jun;11(6):436–7
Sulphur colloid bone scan assessment of femoral head vascularity following subcapital fracture of the hip. Phillips TW, et al. **Clin Orthop** 1986 Jul;(208):52–4
Variability of gastric emptying measurements in man employing standardized radiolabeled meals. Brophy CM, et al. **Dig Dis Sci** 1986 Aug;31(8):799–806
Assessment of esophageal transit of liquid. Klein HA, et al. **Eur J Nucl Med** 1986;11(10):412
Scintigraphic localization of occult gastrointestinal bleeding using a combination of 111In-labelled platelets and 99mTc sulphur colloid. Schmidt KG, et al. **Eur J Nucl Med** 1985; 11(2–3):94–5
Evaluation of radiocolloids as thrombus imaging agents. Effect of particle size on thrombus uptake. Rosenthal SN, et al. **Int J Nucl Med Biol** 1985;12(5):375–80
Gastroesophageal scintiscanning in a pediatric population: dosimetry. Castronovo FP Jr. **J Nucl Med** 1986 Jul; 27(7):1212–4
Clinical comparison of two radiocolloids for internal mammary lymphoscintigraphy. Kaplan WD, et al. **J Nucl Med** 1985 Dec;26(12):1382–5
The detection of a gastrointestinal bleeding site in patients with liver cirrhosis: which agent to use? [letter] Perlman SB, et al. **J Nucl Med** 1986 Mar;27(3):435–6
Scintigraphy can supplement endoscopy in localizing gastrointestinal bleeding. Robinson PJ. **Nucl Med Commun** 1984 Feb;5(2):81–6
Pitfalls of gastrointestinal bleeding studies with 99mTc sulfur–colloid. Lecklitner ML. **Semin Nucl Med** 1986 Apr; 16(2):155–6
Use of 99mTc-sulfur colloid to assess lymphatic dysfunction in filarial infection. Jenkins VK, et al. **Southeast Asian J Trop Med Public Health** 1985 Sep; 16(3):387–94
[Lymphoscintigraphy. Comparison of 2 microcolloids labeled with Tc99m] Ciambellotti E, et al. **Minerva Med** 1986 Mar 10;77(9–10):313–6 (Eng. Abstr.) **(Ita)**

METABOLISM

Internal dosimetry evaluations: a computerized approach. Hoory S. **Health Phys** 1986 Feb;50(2):195–201
Possible mechanisms for the effect of therapeutic ultrasound on the clearance rate of blood borne colloidal particles in vivo. Saad AH, et al. **Ultrasound Med Biol** 1983;Suppl 2:55–60

TECHNOLOGY

The tools of management: keeping high touch in a high tech world. Cruise MJ, et al. **Int Nurs Rev** 1985 Nov–Dec; 32(6):166–9, 173
Biotechnology—it's alive and well at Iowa. Eckstein JW. **Iowa Med** 1986 Apr;76(4):159–61
New technology: implications for health [editorial] Smith JP. **J Adv Nurs** 1985 Sep;10(5):403
The influence of technology on the future of allied health professionals. Bruhn JG, et al. **J Allied Health** 1985 Aug; 14(3):289–95
Strategic management of technostress. The chaining of Prometheus. Caro DH, et al. **J Med Syst** 1985 Dec; 9(5–6):291–304
The impact of new technology on general practice [editorial] Jones R. **J R Coll Gen Pract** 1986 Mar;36(284):98–9
Biotechnology in Japan 1984—a mini-review. Part 2: Government agencies, universities and research institutes. Schmid R. **Naturwissenschaften** 1985 Oct;72(10):534–8
The attitudes of religious, environmental, and science policy leaders toward biotechnology. Miller JD. **Recomb DNA Tech Bull** 1985 Dec;8(4):141–64

University–industry research relationships in biotechnology: implications for the university. Blumenthal D, et al. **Science** 1986 Jun 13;232(4756):1361–6
The biotechnology issue [editorial] Koshland DE Jr. **Science** 1986 Jun 13;232(4756):1313
[Science or technology: has Archimedes been betrayed?] Hers HG. **Rev Med Brux** 1986 May;7(5):281–4 (Fre)
[Science or technology: has Archimedes been betrayed?] Hers HG. **Rev Med Liege** 1986 Jun 15;41(12):511–5 (Fre)
[Technology and the environment] Stratone N, et al. **Rev Med Chir Soc Med Nat Iasi** 1985 Jan–Mar;89(1):161–2 (Rum)
[Acceleration of scientific and technical progress and the problems of hygiene] Shitskova AP. **Gig Sanit** 1985 Nov;(11):4–8 (Rus)

ECONOMICS

Resource allocation in audiology. Brooks DN. **Br J Audiol** 1985 Aug;19(3):171–3
Industrial support of university research in biotechnology. Blumenthal D, et al. **Science** 1986 Jan 17;231(4735):242–6

HISTORY

History of modern science and technology in the People's Republic of China. Li PS. **Isis** 1985 Sep;76(283):366–70

INSTRUMENTATION

1986 guide to biotechnology products and instruments. Guide to scientific instruments. **Science** 1986 May 30;232 Pt 2:G1–224
[Hygienic evaluation of new equipment and new types of technical carbon] Troitskaia NA, et al. **Gig Sanit** 1986 May;(5):10–3 (Eng. Abstr.) (Rus)

STANDARDS

The role of NIH in biotechnology. Healy B, et al. **Recomb DNA Tech Bull** 1985 Sep;8(3):91–3
The role of the NIH in fostering leadership in biotechnology. Wyngaarden JB. **Recomb DNA Tech Bull** 1985 Sep; 8(3):94–7
[Improved organization of state preventive health inspection over the development and introduction into production of equipment] Timoshina DP, et al. **Gig Sanit** 1985 Oct;(10):29–32 (Rus)
[Use of the interpolation method to evaluate working conditions in high-frequency plasma technology] Karmolin AL, et al. **Gig Tr Prof Zabol** 1985 Sep;(9):46–7 (Rus)

TECHNOLOGY ASSESSMENT, BIOMEDICAL

Changing investigation patterns in stroke patients. Carney SL, et al. **Aust Clin Rev** 1986 Mar;6(20):9–11
Technology assessment in Britain: lessons from the lithotripter [letter] **Br Med J [Clin Res]** 1986 May 3; 292(6529):1198–9
The randomised controlled trial in the evaluation of new technology: a case study. Challah S, et al. **Br Med J [Clin Res]** 1986 Mar 29;292(6524):877–9
Continuous ambulatory peritoneal dialysis and renal transplantation: a five year experience. Donnelly PK, et al. **Br Med J [Clin Res]** 1985 Oct 12;291(6501):1001–4
Renal transplantation in patients treated with haemodialysis and short term and long term continuous ambulatory peritoneal dialysis. Evangelista JB Jr, et al. **Br Med J [Clin Res]** 1985 Oct 12;291(6501):1004–7
First consensus development conference in United Kingdom: on coronary artery bypass grafting. II. Commentary by chairman of conference. Jennett B. **Br Med J [Clin Res]** 1985 Sep 14;291(6497):716–8
Mammography and screening for breast cancer. Roebuck EJ. **Br Med J [Clin Res]** 1986 Jan 25;292(6515):223–6
First consensus development conference in United Kingdom: on coronary artery bypass grafting. I. Views of audience, panel, and speakers. Stocking B. **Br Med J [Clin Res]** 1985 Sep 14;291(6497):713–6
Technology assessment. How effective is medical care? Hazelton AE. **Clin Geriatr Med** 1986 Aug;2(3):481–90
What has technology done to gastroenterology? Booth CC. **Gut** 1985 Oct;26(10):1088–94
NIMH report. Consensus panel backs cautious use of ECT for severe disorders. Runck B. **Hosp Community Psychiatry** 1985 Sep;36(9):943–6
Health technology assessment. The 3rd Binational U.S.–Israel Symposium. November 1985, Jerusalem, Israel. **Isr J Med Sci** 1986 Mar–Apr;22(3–4):165–331
Health technology assessment. Carter ED, et al. **Isr J Med Sci** 1986 Mar–Apr;22(3–4):166–8
Scientific and political issues in evaluating new technology: the case of shock wave lithotripsy. Carter ED. **Isr J Med Sci** 1986 Mar–Apr;22(3–4):231–6
Evaluation of new diagnostic imaging technologies. Lerner MA. **Isr J Med Sci** 1986 Mar–Apr;22(3–4):203–6
Health technology assesment. The current political framework: the U.S. perspective. Young FE. **Isr J Med Sci** 1986 Mar–Apr;22(3–4):173–8
National Center for Health Care Technology assessment of therapeutic apheresis for rheumatoid arthritis, 1981. Heyse SP, et al. **J Clin Apheresis** 1982;1(1):50–4
Technology assessment in biomedical research: magnetic resonance imaging as a case in point. Burton BT, et al. **J Nucl Med Allied Sci** 1985 Oct–Dec;29(4):331–5
Diagnostic and therapeutic technology assessment. Sperm penetration assay. **JAMA** 1985 Oct 11;254(14):1993–4
Diagnostic and therapeutic technology assessment. Macular drusen. **JAMA** 1985 Oct 11;254(14):1994
Diagnostic and therapeutic technology assessment. Age-adjusted diagnosis of hypertension. **JAMA** 1985 Oct 11;254(14):1994
Direct mailing as a means of disseminating NIH consensus statements. A comparison with current techniques. Jacoby I, et al. **JAMA** 1986 Mar 14;255(10):1328–30
Popular press coverage of eight National Institutes of Health consensus development topics. Winkler JD, et al. **JAMA** 1986 Mar 14;255(10):1323–7
Guidelines for the clinical and economic evaluation of health care technologies. Guyatt G, et al. **Soc Sci Med** 1986; 22(4):393–408
[Evaluation of medical technology in developing countries and industrialized countries] Fineberg HV. **Salud Publica Mex** 1986 May–Jun;28(3):328–34 (Eng. Abstr.) (Spa)

ECONOMICS

HCFA urged to speed approval of technologies. Firshein J. **Hospitals** 1986 Jul 20;60(14):67
The race for competing lithotripters heats up. Gallivan M. **Hospitals** 1986 Jul 20;60(14):70–1

LEGISLATION & JURISPRUDENCE

Technology assessment. Continuing uncertainty. Perry S. **N Engl J Med** 1986 Jan 23;314(4):240–3
Antitrust implications of medical technology assessment. Rose M, et al. **N Engl J Med** 1986 Jun 5;314(23):1490–3

METHODS

Technology assessment in health care: group process and decision theory. Jacoby I, et al. **Isr J Med Sci** 1986 Mar–Apr;22(3–4):183–90
Epidemiologic methodology in evaluating health technology. Naggan L. **Isr J Med Sci** 1986 Mar–Apr;22(3–4):179–82
Toward the development of a technology assessment methodology in medical diagnosis and therapy. Penchas S. **Isr J Med Sci** 1986 Mar–Apr;22(3–4):201–2
The role of before-after studies of therapeutic impact in the evaluation of diagnostic technologies. Guyatt GH, et al. **J Chronic Dis** 1986;39(4):295–304

TRENDS

1984 in review: expanding horizons in U.S. Martin DL. **Dimens Health Serv** 1985 Mar;62(3):35

TECHNOLOGY, DENTAL

METHODS

[Apatite–metal composite by plasma coating] Aoki H, et al. **Kokubyo Gakkai Zasshi** 1985 Sep;52(3):599 (Jpn)
[Use of microwave heat in removing wax] Nomoto N, et al. **Kokubyo Gakkai Zasshi** 1985 Sep;52(3):598 (Jpn)

TECHNOLOGY, FOOD see **FOOD TECHNOLOGY**

TECHNOLOGY, HIGH-COST

The thoracic surgical industrial complex. Starr A. **Ann Thorac Surg** 1986 Aug;42(2):124–33
A framework for clinical evaluation of diagnostic technologies. Guyatt GH, et al. **Can Med Assoc J** 1986 Mar 15;134(6):587–94 (44 ref.)
The role of before-after studies of therapeutic impact in the evaluation of diagnostic technologies. Guyatt GH, et al. **J Chronic Dis** 1986;39(4):295–304
The Painful Prescription: a procrustern perspective? Miller FH, et al. **N Engl J Med** 1986 May 22;314(21):1383–6
[Acquisition of high-technology medical equipment by developing countries] Erickson JJ. **Bol Of Sanit Panam** 1986 Feb;100(2):183–92 (Eng. Abstr.) (Spa)

TRENDS

The other health care revolution. Dorsey DB. **Arch Pathol Lab Med** 1986 Apr;110(4):264–8
Pacemaker manufacturer opens North American headquarters in Denver in face of "technology-versus-cost" dilemma. Symons B. **Colo Med** 1985 Oct 1;82(17):296, 298

TECHNOLOGY, MEDICAL

Medical technology assessment-for whom toll the term? [editorial] Riis P. **Acta Med Scand** 1985;218(5):433–4
Swept away by technology. Tisdale S. **Am J Nurs** 1986 Apr; 86(4):429–30
Public health institutions: the role of science and technology. Proceedings of the international symposium held for the fiftieth anniversary of the Istituto Superiore di Sanità. Rome, May 21–23, 1984. **Ann Ist Super Sanita** 1985; 21(4):415–582
Development and use of appropriate technology for health. Paik YH. **Aust Dent J** 1986 Feb;31(1):56–9
Medical technology acquisition in hospitals. Laird R. **Australas Phys Eng Sci Med** 1985 Apr–Jun;8(2):76–82
The ethics of technology [letter] Adler DC. **Chest** 1986 May; 89(5):765–6
William Tell and technology [editorial] Terry PB. **Chest** 1985 Oct;88(4):486–7
Symposium on new technology in pulmonary disease. **Cleve Clin Q** 1985 Winter;52(4):445–551
High technology in geriatric care. Haber PA. **Clin Geriatr Med** 1986 Aug;2(3):491–500
The high-tech hand surgery interface. Rose EH. **Clin Plast Surg** 1986 Apr;13(2):333–44
Biotechnology in Canada: an emerging industry. Visentin LP. **Dimens Health Serv** 1985 Oct–Nov;62(9):41
Biotechnology in the marketplace: the race is on. Visentin LP. **Dimens Health Serv** 1985 Dec;62(10):18
Rasselas revisited [editorial] Uhl HS. **Hosp Pract [Off]** 1985 Oct 15;20(10):13–6
Technology planning: an imperative, not an option. Gallivan M. **Hospitals** 1986 Jan 20;60(2):100
Study examines economic growth of health sciences and technology in Indiana. Badger MT. **Indiana Med** 1985 Nov; 78(11):1036–8
Health technology: the Israeli perspective. Shani M. **Isr J Med Sci** 1986 Mar–Apr;22(3–4):169–72
Biotechnology—here today ... or tomorrow. Drees TC. **J Clin Apheresis** 1985;2(4):372–4
Has modern technology changed our concept of lymph formation? Courtice FC. **Lymphology** 1986 Jun;19(2):65–76
Commercializing university research. Lessons from the experience of the Wisconsin Alumni Research Foundation. Blumenthal D, et al. **N Engl J Med** 1986 Jun 19; 314(25):1621–6
The impact of technology on laboratory ordering strategies. Lehmann CA, et al. **NY State J Med** 1985 Dec;85(12):690–3
High technology for handicapped children: a pediatrician's viewpoint. Desch LW. **Pediatrics** 1986 Jan;77(1):71–87
The Japanese challenge in biotechnology [news] Sun M. **Science** 1985 Nov 15;230(4727):790–2
For better and worse: the technological imperative in health care. Barger-Lux MJ, et al. **Soc Sci Med** 1986; 22(12):1313–20
The new biomedical technology. Scoggin CH. **West J Med** 1985 Dec;143(6):819–24 (32 ref.)
[Clinical practice, the laboratory and clinical research] Straub PW. **Schweiz Med Wochenschr** 1985 Sep 14;115(37):1246–9 (Ger)
[Bioluminescent analysis in medicine and biotechnology] Ugarova NN, et al. **Antibiot Med Biotekhnol** 1986 Feb; 31(2):141–7 (Eng. Abstr.) (Rus)
[Medical Workers' Day] **Med Tekh** 1985 May–Jun;(3):3–7 (Rus)
[Authors' rights to production prototypes] Gaeva NF. **Med Tekh** 1985 May–Jun;(3):58–61 (Rus)
[Use of technical means in the implementation of the annual examination of the population] Dubovyi LM, et al. **Sov Med** 1985;(7):68–9 (Rus)
[Further development of work relating to inventions and patent licensing] Perekhrestenko PM, et al. **Sov Zdravookhr** 1985;(6):29–34 (Rus)
[Scientific and technical revolution and the physician factor in medicine] Volkov VV, et al. **Voen Med Zh** 1986 Jun; (6):11–5 (Rus)
[Clinical thought. And technological advances] López Engelking R. **Arch Esp Urol** 1986 Jan–Feb;39(1):1–12 (Spa)
[Acquisition of high-technology medical equipment by developing countries] Erickson JJ. **Bol Of Sanit Panam** 1986 Feb;100(2):183–92 (Eng. Abstr.) (Spa)
[Chagas disease and the technology problem] Pinto Dias JC. **Bol Of Sanit Panam** 1985 Sep;99(3):244–57 (Eng. Abstr.) (Spa)
[Evaluation of medical technology in developing countries and industrialized countries] Fineberg HV. **Salud Publica Mex** 1986 May–Jun;28(3):328–34 (Eng. Abstr.) (Spa)
[Introduction of scientific investigation and technological results in the health area: alternatives and problems] Martuscelli Quintana J, et al. **Salud Publica Mex** 1986 May–Jun;28(3):300–12 (Eng. Abstr.) (Spa)

ECONOMICS

Cost containment and incentives for technology. Garrison LP Jr, et al. **Health Aff (Millwood)** 1986 Summer;5(2):46–58
Technology innovation in health care. Pollard MR, et al. **Health Aff (Millwood)** 1986 Summer;5(2):135–47
Who benefits from product tort reform? You do. Wilkinson R. **Hospitals** 1986 Sep 5;60(17):86, 88
Technology is not always cost-effective. Carpenter KD. **J Nurs Adm** 1985 Nov;15(11):13, 27
Changes in the costs of treatment of selected illnesses, 1971–1981. Scitovsky AA. **Med Care** 1985 Dec; 23(12):1345–57
What we don't know about why health expenditures have soared: interaction of insurance and technology. Goddeeris J, et al. **Mt Sinai J Med (NY)** 1985 Nov;52(9):685–91
The cost and appropriateness of health care technology in South Africa. A plea for the development of a local medical equipment industry. Jaros GG, et al. **S Afr Med J** 1986 May 10;69(10):625–7
Technology in ambulatory medical care: cost increasing or cost saving? Zweifel P. **Soc Sci Med** 1985;21(10):1139–51

[Medical technology and economic appraisal of projects] de Campos AC. **Acta Med Port** 1985 Jun;6(6):193–201 (Eng. Abstr.) (Por)

[Unification of medical instruments and evaluation of its level] Izmailov AKh, et al. **Med Tekh** 1986 Jan–Feb; (1):39–44 (Eng. Abstr.) (Rus)

EDUCATION

Use of interdisciplinary education to foster familiarization among health professionals. Laatsch LJ, et al. **J Allied Health** 1986 Feb;15(1):33–42

Teaching audiovisual methods to overseas medical laboratory tutors. Bates P, et al. **J Audiov Media Med** 1986 Apr; 9(2):56–9

Education and the physician's office laboratory. Fischer PM, et al. **JAMA** 1986 Mar 21;255(11):1464–7

So you want to start a sonography program. Carlock PD, et al. **Radiol Technol** 1985 Nov–Dec;57(2):164–5

Role of the manufacturer in ultrasound education. McClary AR. **Ultrasound Med Biol** 1983;Suppl 2:77–8

HISTORY

[Helping victory along] Vaulina N, et al. **Med Tekh** 1985 May–Jun;(3):8–12 (Rus)

INSTRUMENTATION

The iron lung: halfway technology or necessary step? Maxwell JH. **Milbank Q** 1986;64(1):3–33

1986 guide to biotechnology products and instruments. Guide to scientific instruments. **Science** 1986 May 30;232 Pt 2:G1–224

The impact of the laboratory's multiparametric analyser on the medical technology and health expenditure in Japan. Kambayashi S. **Soc Sci Med** 1985;21(10):1125–9

[A measuring device for selective and broad-band detection of magnetically-induced interference voltages] Wach P, et al. **Biomed Tech (Berlin)** 1986 May;31(5):98–101 (Eng. Abstr.) (Ger)

[Modification of Copley's apparatus for determining blood viscosity and adhesiveness] Shestakov VA, et al. **Lab Delo** 1986;(3):179–81 (Eng. Abstr.) (Rus)

[Technology for clinical medicine] Leonov BI, et al. **Ter Arkh** 1986;58(3):18–23 (Rus)

MANPOWER

[Standardizing the number of electricians for the technical maintenance of medical technological products based on individual or brigade forms of work organization] Matveenko AF, et al. **Med Tekh** 1986 Mar–Apr;(2):31–3 (Rus)

[Development and production of medical technology facilitating the work of medical personnel] Rumiantsev PB. **Med Tekh** 1985 Jul–Aug;(4):3–7 (Rus)

[Outlook for development and industrial production of means for facilitating the work of medical personnel] Shvedov IuA. **Med Tekh** 1985 Jul–Aug;(4):7–12 (Rus)

STANDARDS

Monkey business. Diamond GA. **Am J Cardiol** 1986 Feb 15; 57(6):471–5

Closure in biomedical technology assessment: consensus development. Kalberer JT Jr. **Md Med J** 1986 Jun; 35(6):497–502

Medical technology assessment 1985. Kaufman HH. **Neurosurgery** 1985 Dec;17(6):985–91

[Stands and equipment for testing the mechanical systems of flexible endoscopes] Porozhniakov AP, et al. **Med Tekh** 1986 Jan–Feb;(1):55–60 (Rus)

TRENDS

Science and technology in an institute of public and environmental health. Cohen H, et al. **Ann Ist Super Sanita** 1985;21(4):489–98

Improving public health: blending science and regulation. The role of the Federal Health Office. Uberla K. **Ann Ist Super Sanita** 1985;21(4):519–22

Health care and the sociotechnical workplace [editorial] Lincoln TL. **Arch Pathol Lab Med** 1986 Apr;110(4):306–7

The diagnostic role in health care in the 1990's: the threats of supermarket imaging services versus the real potential for reduction of health disorder in Australia. Gross PF. **Australas Radiol** 1985 Nov;29(4):299–304

High tech in the hospital—impact on the nurse administrator. Harrison F. **Dimens Health Serv** 1985 Jun;62(6):23, 26–7

Experts forecast technological changes for the next 15 years. Martin DL. **Dimens Health Serv** 1986 Apr;63(3):40

Biotechnology in Canada: the next decade is pivotal. Visentin LP. **Dimens Health Serv** 1986 Feb;63(1):30

Technology in aging. Haber PA. **Gerontologist** 1986 Aug; 26(4):350–7

How technology is reframing the abortion debate. Callahan D. **Hastings Cent Rep** 1986 Feb;16(1):33–42

Technology advances raise policy concerns. Gallivan M. **Hospitals** 1985 Dec 16;59(24):64

Medical technology and developing countries: the case of Brazil. Banta HD. **Int J Health Serv** 1986;16(3):363–73

Technology assessment: its role in forensic psychiatry and the case of chemical castration. Tancredi LR, et al. **Int J Law Psychiatry** 1986;8(3):257–71

Changing patterns in the medical laboratory [editorial] Farr AD. **Med Lab Sci** 1985 Apr;42(2):113–4

New technology of medicine [news] Maddox J. **Nature** 1986 Jun 26–Jul 2;321(6073):807

Implications of new medical technology. Herdman RC. **NY State J Med** 1985 Nov;85(11):634–6

The roles of new medical technology and health care delivery systems in shaping medicine into the 21st century. Imperato PJ. **NY State J Med** 1985 Nov;85(11):637–40

The impact of regulation and payment innovations on acquisition of new imaging technologies. Steinberg EP. **Radiol Clin North Am** 1985 Sep;23(3):381–9

'Farmer, doctor face changes'. Schenken JR. **SD J Med** 1986 Apr;39(4):21

Toward a global approach of biochemistry in hospitals. Boigne JM, et al. **Soc Sci Med** 1985;21(10):1167–76

Physicians and medical innovation. Frost CE. **Soc Sci Med** 1985;21(10):1193–8

Holistic medicine and technology: a modern dialectic. Rosch PJ, et al. **Soc Sci Med** 1985;21(12):1405–9

Impact of new technology in clinical chemistry. Tryding N. **Ups J Med Sci** 1986;91(2):121–3

[The physician and his environment] Oehlert G. **Arch Gynecol** 1985;238(1–4):XXXIII–XLI (Ger)

[Progress and new emphasis in neurologic diagnosis and therapy. Modern technologies and their clinical effects] von Albert HH. **Fortschr Med** 1985 Aug 8;103(29):725–7 (Eng. Abstr.) (Ger)

[Scientific thinking and medical care] Anschütz F. **Verh Dtsch Ges Inn Med** 1985;91:XVII–XXVIII (Ger)

[The possible and the human in medicine] Hommes U. **Z Orthop** 1985 Jul–Aug;123(4):437–40 (Ger)

[Evolution and current uses of telematics in medicine. Future prospectives of telemedicine] Rotondo G. **Minerva Med** 1986 Jan 28;77(3–4):67–77 (Eng. Abstr.) (Ita)

[Tasks of the medical industry in the concluding year of the 5-Year Plan] **Antibiot Med Biotekhnol** 1985 Aug; 30(8):563–5 (Rus)

[The contributions of fundamental science to biotechnology] Smirnov VN, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1986;9(1):3–6 (Rus)

[Scientific and technical progress and new materials in surgery] Shalimov AA, et al. **Klin Khir** 1986;(1):1–3 (Eng. Abstr.) (Rus)

[Tasks and means of accelerating scientific and technical progress in public health] Gavrilov OK. **Klin Med (Mosk)** 1986 Feb;64(2):5–9 (Rus)

[Scientific and technical progress and deontology in clinical medicine] Ostapenko AL. **Klin Med (Mosk)** 1985 Nov; 63(11):3–6 (Rus)

[Basic trends in accelerating scientific and technical progress in industrial medicine technology] Kerbunov VV. **Med Tekh** 1985 Sep–Oct;(5):3–7 (Rus)

[Scientific and technical progress and science-industry consortia] Tishchenko AG. **Med Tekh** 1986 Jan–Feb;(1):3–6 (Rus)

[Scientific and technical progress and scientific problems of children's health] Studenikin MIa. **Pediatriia** 1985 Nov; (11):3–5 (Rus)

[Introduction of new technological media in clinical medicine] Viktorov VA. **Ter Arkh** 1986;58(3):15–8 (Rus)

[Acceleration of scientific and technical progress and medical science] Blokhin NN. **Vestn Akad Med Nauk SSSR** 1986; (4):3–7 (Rus)

[Achievements of the medical industry during the 11th five-year plan] Sidorov AP, et al. **Voen Med Zh** 1986 May; (5):69–70 (Rus)

[Scientific and technical progress and medical science in the Ukrainian SSR] Otroshchenko PG. **Vrach Delo** 1985 Nov; (11):1–4 (Rus)

[Achievements and prospects of biotechnology in the fields of microbiology and immunology] Vorob'ev AA. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Jun;(6):3–9 (Rus)

TECHNOLOGY, PHARMACEUTICAL

see related

DRUG INDUSTRY

Use of a jet mill for dispersing dry powder for inhalation studies. Cheng YS, et al. **Am Ind Hyg Assoc J** 1985 Aug; 46(8):449–54

Transfer of technology for production of rabies vaccine: memorandum from a WHO meeting. **Bull WHO** 1985; 63(4):661–6

Practical therapeutics. The impact of genetic engineering in drug development. Juma FD. **East Afr Med J** 1985 Apr; 62(4):290–4

Preparation of microcapsules with possible pharmaceutical use. Nixon JR. **Endeavour** 1985;9(3):123–8

Automating the laboratory for computerized lot release operations. Albinski MJ. **J Parenter Sci Technol** 1985 Sep–Oct;39(5):205–11

An investigation of some factors influencing plug formation and fill weight in a dosing disk-type automatic capsule-filling machine. Shah KB, et al. **J Pharm Sci** 1986 Mar;75(3):291–6

Recombinant DNA techniques in the pharmaceutical industry. Winther MD. **Med Lab Sci** 1985 Oct;42(4):388–92

Dispute over access to Reye's study data [news] Kolata G. **Science** 1985 Oct 18;230(4723):297–8

Paper measuring cups. Origami and oral rehydration. Young B, et al. **Trop Doct** 1985 Oct;15(4):196

[Research on the improvement of the preparation of Chinese herbal drugs should be intensified] Chen ZY. **Chung Yao Tung Pao** 1985 Apr;10(4):3–5 (Chi)

[Preparation and development of the capsules of Chinese traditional drugs] Huang TZ. **Chung Yao Tung Pao** 1985 Apr;10(4):26–7 (Chi)

[Progress in the pill form of Chinese drugs] Xi DX. **Chung Yao Tung Pao** 1985 Nov;10(11):3–5 (Chi)

[Studies on the production technic of water honey pills] Xu JM. **Chung Yao Tung Pao** 1985 Jun;10(6):26–8 (Chi)

[Elementary introduction to black ointment] Zhang ZL. **Chung Yao Tung Pao** 1985 Nov;10(11):24–6 (Chi)

[Improvement of the technology of preparing black plaster used for healing internal wounds] Zhao HW. **Chung Yao Tung Pao** 1985 Sep;10(9):24–6 (Chi)

[Genetic engineering used in pharmaceutical technology] Itoh S. **Rinsho Byori** 1985 Nov;33 Spec No 65:49–59 (15 ref.) (Jpn)

[Preparation of negamycin ointments. II. Improvement in stability and antimicrobial activity] Kuwahara S, et al. **Yakugaku Zasshi** 1986 Apr;106(4):320–4 (Eng. Abstr.) (Jpn)

[An approach to development of new drugs from drug delivery researches] Nagai T. **Yakugaku Zasshi** 1986 Feb; 106(2):99–109 (12 ref.) (Eng. Abstr.) (Jpn)

[Preparation of tinctures and decoctions in a hospital pharmacy] Chirkov AI, et al. **Voen Med Zh** 1985 Dec; (12):50–1 (Rus)

HISTORY

[Historical evolution of the processing of Angelica sinensis] Cao H. **Chung Yao Tung Pao** 1986 Feb;11(2):22–5, 28 (Chi)

INSTRUMENTATION

Evaluation report: infusion pumps. **J Med Eng Technol** 1986 May–Jun;10(3):135–40

[Use of a device for the decompression, cold-soaking and softening of Chinese medicinal plants] Cheng JL. **Chung Yao Tung Pao** 1985 Aug;10(8):18–9 (Chi)

[Design and evaluation of a new disintegration test apparatus for vaginal tablets] Yamaguchi M, et al. **Yakugaku Zasshi** 1986 Mar;106(3):228–32 (Eng. Abstr.) (Jpn)

STANDARDS

Regulatory aspects of lyophilization. Avallone HL, et al. **J Parenter Sci Technol** 1986 May–Jun;40(3):81–2

[Technology and quality control of honey pills in Chinese traditional drugs] Xin DX. **Chung Yao Tung Pao** 1985 Jul; 10(7):25–8 (Chi)

TRENDS

Opportunities in high technology [editorial] Anderson RW. **Am J Hosp Pharm** 1986 Apr;43(4):903

Influence that research and technological developments have had on the ability of the FDA to protect the public health. Novitch M. **Ann Ist Super Sanita** 1985;21(4):459–61

Presentation of UNIDO: public pharmaceutical industry in the service of health. Tcheknavorian-Asenbauer A. **Ann Ist Super Sanita** 1985;21(4):565–71

[Possibilities and expectations of hybridoma technology: national and international response] Dekkers JJ. **Tijdschr Diergeneeskd** 1985 Oct 15;110(20):839–41 (Eng. Abstr.) (Dut)

[Biotechnologic drugs—recovery—today and tomorrow] Klein J. **Pharm Unserer Zeit** 1986 May;15(3):65–71 (Ger)

TECHNOLOGY, RADIOLOGIC

Therapeutic methods in diagnostic radiology. Boijsen E. **Acta Radiol [Diagn] (Stockh)** 1986 Mar–Apr;27(2):129–30

The layering phenomenon and boundary formation in radiographs. Nilson AE. **Acta Radiol [Diagn] (Stockh)** 1986 Mar–Apr;27(2):217–24

Ignorance is not bliss: knowledge, information, and the diagnostic technology problem. Larson EB. **AJR** 1985 Dec; 145(6):1124–8 (52 ref.)

Technological seduction: diagnostic imaging technology facing new demands. Robb WL. **AJR** 1985 Dec; 145(6):1112–4

Jet-directed catheter for interventional radiology. Boretos JW, et al. **Ann Biomed Eng** 1986;14(4):323–38

A method for the clinical measurement of relaxation times in magnetic resonance imaging. Hickey DS, et al. **Br J Radiol** 1986 Jun;59(702):565–76

Diagnostic imaging, a "parallel" discipline. Can current technology provide a reliable digital diagnostic radiology department? Moore CJ, et al. **Br J Radiol** 1985 Apr; 58(688):309–12

Image formation in double-contrast roentgenography of the GI tract. Experimental and theoretical observation and practical implications. Shang KZ, et al. **Clin Med J [Engl]** 1985 Jun;98(6):391–400

A device to measure X-ray magnification in preoperative planning for cementless arthroplasty. Gorski JM, et al. **Clin Orthop** 1986 Jan;(202):302–6

The stereotactic radiosurgery unit in Sheffield. Bradshaw JD. **Clin Radiol** 1986 May;37(3):277–9

Medical image management: practical, legal and ethical considerations. James AE Jr, et al. **Comput Biol Med** 1986; 16(4):247–57

A three-dimensional graphics system for the stereotactic placement of heavy-ion beams. Kim GM. **Comput Methods Programs Biomed** 1986 Aug;23(1):73–81

Dispelling the mystery of new radiology techniques. Lentle BC. **Dimens Health Serv** 1986 Mar;63(2):15–6, 44

Phone lines put remote sites in touch with radiologists. Martin DL. **Dimens Health Serv** 1986 Jun;63(5):40

Scatter radiation during radiographic exams [letter] Hefner LV. **Health Phys** 1986 Mar;50(3):423–4

The epidemic of investigations. Palmer PE. **Int J Epidemiol** 1985 Sep;14(3):359–62

Analog image recording using a laser printer and paper system. Cox GG, et al. **Invest Radiol** 1985 Dec;20(9):1003–7

The grid radiograph. A simple technique for consistent high-resolution visualization of the hip. Amstutz HC, et al. **J Bone Joint Surg [Am]** 1986 Sep;68(7):1052–6

Radiology, radiation and risk. Pemberton J. **J Bone Joint Surg [Br]** 1986 Aug;68(4):517–9

Dual-isotope motion correction technique for gated exercise scintigraphy. Groch MW, et al. **J Nucl Med** 1985 Dec; 26(12):1478–84

Monte Carlo studies of x-ray scattering in transmission diagnostic radiology. Barnea G, et al. **Med Phys** 1986 Jul–Aug;13(4):490–3

Cone beam collimation for single photon emission computed tomography: analysis, simulation, and image reconstruction using filtered backprojection. Jaszczak RJ, et al. **Med Phys** 1986 Jul–Aug;13(4):484–9

A new method for microdensitometer slit length correction of radiographic noise power spectra. Koedooder K, et al. **Med Phys** 1986 Jul–Aug;13(4):469–73

A technique for routine calibration of thermoluminescent dosimeters in the diagnostic energy range. Morgan TJ, et al. **Med Phys** 1986 May–Jun;13(3):365–7

Teleradiology. Gitlin JN. **Radiol Clin North Am** 1986 Mar; 24(1):55–68

The Grenz Ray technique for painting analysis. Conlogue GJ, et al. **Radiol Technol** 1986 Mar–Apr;57(4):338–41

Using the same exposure factors for wet and dry casts. Gratale P, et al. **Radiol Technol** 1986 Mar–Apr;57(4):325–8

Prestige of radiologic technologists: perception of two allied health professions. Parker HJ, et al. **Radiol Technol** 1985 Nov–Dec;57(2):152–6

Humanized care: a professional responsibility. Phillips ML, et al. **Radiol Technol** 1986 Mar–Apr;57(4):359–61

Calcification in pulmonary nodules: detection with dual-energy digital radiography. Fraser RG, et al. **Radiology** 1986 Sep;160(3):595–601

Improvements in SPECT technology for cerebral imaging. Esser PD. **Semin Nucl Med** 1985 Oct;15(4):335–46 (65 ref.)

[An experimental study on the mechanism of gastrointestinal double contrast image formation and its clinical application] Shang KZ. **Chung Hua Fang She Hsueh Tsa Chih** 1985 Aug;19(4):197–200 (Eng. Abstr.) **(Chi)**

[The method of some particular positional examination of the digestive tract. Single barium double contrast radiography of a lower esophageal "tumor"] Yang KY. **Sau Chuan I Hsueh Yuan Hsueh Pao** 1985 Sep;16(3):273–5 (Eng. Abstr.) **(Chi)**

[The contribution of radiography to the study of defecation disorders] Mahieu PH, et al. **Acta Gastroenterol Belg** 1985 Jan–Feb;48(1):11–20 (Eng. Abstr.) **(Fre)**

[The effect of beam hardening on CT values] Weidenmaier W, et al. **ROFO** 1985 Dec;143(6):697–701 (Eng. Abstr.) **(Ger)**

[Recent progress in the x-ray diagnosis of colorectal cancer] Yamada T, et al. **Gan To Kagaku Ryoho** 1986 Jul; 13(7):2263–72 (Eng. Abstr.) **(Jpn)**

[Late radiation effects of low doses from occupational exposure. Epstein-Barr virus-related antibody titers in radiological technologists] Kumagai E, et al. **Rinsho Byori** 1985 Dec;33(12):1431–6 **(Jpn)**

ECONOMICS

[Economic-organizational aspects of technical instrumentation for roentgenopulmonology] Chikirdin EG, et al. **Med Tekh** 1986 May–Jun;(3):32–6 (Eng. Abstr.) **(Rus)**

EDUCATION

Diagnostic x-ray technologists—training for a job or a career? McCann J. **Dimens Health Serv** 1986 Mar;63(2):11

Maintaining standards of excellence in radiologic technology admissions: directions for future research on selection predictors. Cisneros-Blagg T, et al. **Radiol Technol** 1985 Sep–Oct;57(1):18–23

Computerized record maintenance system for clinical education. Nelson R. **Radiol Technol** 1985 Nov–Dec; 57(2):167–70

Computer-aided instruction in ethics for radiation therapy technology. Starkschall G, et al. **Radiol Technol** 1986 May–Jun;57(5):430–3

Developing an advanced radiographer curriculum at the baccalaureate level. Stevens R. **Radiol Technol** 1986 May–Jun;57(5):421–6

Writing across the curriculum in radiography and other college allied health programs. Wesolowski WE. **Radiol Technol** 1986 Jul–Aug;57(6):534–7

HISTORY

Early use of X-ray machines and electrocardiographs at the Pennsylvania Hospital [letter] **JAMA** 1986 Sep 19; 256(11):1444–6

INSTRUMENTATION

A modified Cope introducing dilator to allow straight guide wire introduction. Vogelzang RL. **AJR** 1986 Feb; 146(2):381–2

Radioaerosol ventilation imaging in ventilator-dependent patients. Technical considerations. Vezina W, et al. **Clin Nucl Med** 1985 Nov;10(11):759–66

Estimating digital information throughput rates for radiology networks. A model. Cox GG, et al. **Invest Radiol** 1986 Feb;21(2):162–6

Medical radiography and photography. **Med Radiogr Photogr** 1985;61(4):1–24

Reporting incidents with medical devices: procedures for radiologic technologists. Hepplewhite DW. **Radiol Technol** 1986 Mar–Apr;57(4):331–7

Sensitometry necessity. Stears JG, et al. **Radiol Technol** 1986 May–Jun;57(5):442–3

[Test report on the system components for film processing by the middle-format technology] Furnell EC, et al. **Rontgenblatter** 1985 Dec;38(12):392–6 (Eng. Abstr.) **(Ger)**

[Radiography of the upper ankle using a fixation device —a simple routine examination?] Weiss C. **Rontgenpraxis** 1985 Nov;38(11):385–9 **(Ger)**

[Evaluation of conventional roentgen equipment] Nowotny R, et al. **Strahlenschutz Forsch Prax** 1986;27:30–7 **(Ger)**

[Digital radiology. Clinical experience] Stacul F, et al. **Radiol Med (Torino)** 1985 Nov;71(11):732–9 (Eng. Abstr.) **(Ita)**

MANPOWER

Observations on personnel dosimetry for radiotherapy personnel operating high-energy LINACs. Glasgow GP, et al. **Health Phys** 1986 Jun;50(6):789–95

Radiotherapy technologist dose from high-energy electron medical accelerators. LaRiviere PD. **Health Phys** 1985 Dec;49(6):1105–14

Doses from occupational exposure: a study of radiation doses to workers in Kuwait over a four-year period. Mustafa AA, et al. **Health Phys** 1985 Dec;49(6):1197–204

Indiana radiographers: manpower assessment. Holden RW, et al. **Indiana Med** 1986 Apr;79(4):358–9

STANDARDS

[Management of radiographic technics] Fan Y. **Chung Hua Fang She Hsueh Tsa Chih** 1984 Nov;18(4):307–9 **(Chi)**

[Effect of simple procedures of quality control in roentgen diagnosis on the radiation dosage of patients] Angerstein W. **Strahlenschutz Forsch Prax** 1986;27:23–9 **(Ger)**

[Field studies on conditions in roentgen facilities] Hagemann G. **Strahlenschutz Forsch Prax** 1986;27:88–102 **(Ger)**

[Control of film processing and dark room lighting] von Volkmann T. **Strahlenschutz Forsch Prax** 1986;27:54–66 **(Ger)**

TRENDS

Advances in imaging technology and their impact on medicine. The Mackenzie Davidson memorial lecture, April 1986. Margulis AR, et al. **Br J Radiol** 1986 Apr; 59(700):309–15

Diagnostic imaging in the 1980's: quo vadis? Thrall JH, et al. **Henry Ford Hosp Med J** 1985;33(2–3):67–8

Impact of revolutionary advances in diagnostic imaging. Where do we go from here? [editorial] Putman CE. **Invest Radiol** 1986 Jul;21(7):517–8

[Aims and means of accelerating scientific and technical progress in roentgenology in light of the decisions of the 27th Congress of the CPSU] **Vestn Rentgenol Radiol** 1986 May–Jun;(3):5–8 **(Rus)**

TECTORIAL MEMBRANE see under **COCHLEA**

TECTUM MESENCEPHALI see **CORPORA QUADRIGEMINA**

TEENAGE PREGNANCY see **PREGNANCY IN ADOLESCENCE**

TEFLON see **POLYTETRAFLUOROETHYLENE**

TEGMENTUM MESENCEPHALI

One-and-a-half syndrome in a patient with metastatic breast disease. Crisostomo EA. **J Clin Neuro Ophthalmol** 1985 Dec;5(4):270–2

ANALYSIS

Somatostatin-like immunoreactivity in the chicken brain stem. II. The pons and the tegmentum of the mesencephalon. Nicolardi G, et al. **Boll Soc Ital Biol Sper** 1985 Dec 30;61(11–12):1619–26

Muscarine-binding sites localized to cortical dopamine terminals. Liskowsky DR, et al. **Neurosci Lett** 1985 Jul 31;58(2):229–33

Behavioral investigation of the coexistence of substance P, corticotropin releasing factor, and acetylcholinesterase in lateral dorsal tegmental neurons projecting to the medial frontal cortex of the rat. Crawley JN, et al. **Peptides** 1985 Sep–Oct;6(5):891–901

ANATOMY & HISTOLOGY

A photographic perspective on the origins, form, course and relations of the acetylcholinesterase-containing fibres of the dorsal tegmental pathway in the rat brain. Wilson PM. **Brain Res** 1985 Oct;357(2):85–118

Cholinergic systems in the rat brain: III. Projections from the pontomesencephalic tegmentum to the thalamus, tectum, basal ganglia, and basal forebrain. Woolf NJ, et al. **Brain Res Bull** 1986 May;16(5):603–37

Cholinergic and non-cholinergic projections from the canine pontomesencephalic tegmentum (Ch5 area) to the caudal intralaminar thalamic nuclei. Isaacson LG, et al. **Exp Brain Res** 1986;62(1):179–88

A microiontophoretic study on the nature of the putative synaptic neurotransmitter involved in the pedunculopontine–substantia nigra pars compacta excitatory pathway of the rat. Scarnati E, et al. **Exp Brain Res** 1986;62(3):470–8

Anatomical studies on the nucleus reticularis tegmenti pontis in the pigmented rat. I. Cytoarchitecture, topography, and cerebral cortical afferents. Torigoe Y, et al. **J Comp Neurol** 1986 Jan 1;243(1):71–87

Anatomical studies on the nucleus reticularis tegmenti pontis in the pigmented rat. II. Subcortical afferents demonstrated by the retrograde transport of horseradish peroxidase. Torigoe Y, et al. **J Comp Neurol** 1986 Jan 1;243(1):88–105

Gudden's tegmental nuclei and their connections to the hypothalamus and the reticular formation. I. An experimental study using retrograde labelling with HRP or iron–dextran in the rat. Petrovický P. **J Hirnforsch** 1985; 26(5):531–7

Gudden's tegmental nuclei and their connections to the hypothalamus and the reticular formation. II. An experimental study using retrograde double labelling with HRP and iron–dextran in the rat. Petrovický P. **J Hirnforsch** 1985;26(5):539–45

Substance P- and enkephalin-containing projections from the interpeduncular nucleus to the dorsal tegmental region in the rat. Huitinga I, et al. **Neurosci Lett** 1985 Dec 18; 62(3):311–6

Anatomical evidence that the pontine lateral tegmental field projects to lamina I of the caudal spinal trigeminal nucleus and spinal cord and to the Edinger–Westphal nucleus in the cat. Tan J, et al. **Neurosci Lett** 1986 Mar 14;64(3):317–22

Projections of the group y of the vestibular nuclei and the dentate and fastigial nuclei of the cerebellum to the interstitial nucleus of Cajal. Fukushima K, et al. **Neurosci Res** 1986 May;3(4):285–99

BLOOD SUPPLY

A histochemical examination of the metabolic profiles of rat ventral tegmental area and substantia nigra arterioles. Cannon MS, et al. **Neurosci Lett** 1986 Feb 14;64(1):91–6

CYTOLOGY

Axon terminal clustering in nigrostriatal double grafts. Jaeger CB. **Brain Res** 1986 Jan;389(1–2):309–14

Distribution and morphology of tegmental neurons receiving nigral inhibitory inputs in the cat: an intracellular HRP study. Noda T, et al. **J Comp Neurol** 1986 Feb 8; 244(2):254–66

Stimulation of the lateral habenula inhibits dopamine-containing neurons in the substantia nigra and ventral tegmental area of the rat. Christoph GR, et al. **J Neurosci** 1986 Mar;6(3):613–9

DRUG EFFECTS

Low doses of ethanol activate dopaminergic neurons in the ventral tegmental area. Gessa GL, et al. **Brain Res** 1985 Nov 25;348(1):201–3

Behavioral and neurochemical effect of daily injection with neurotensin into the ventral tegmental area. Kalivas PW, et al. **Brain Res** 1985 Dec 9;358(1–2):70–6

Site of rewarding action of morphine in the mesolimbic system determined by intracranial electrical self-stimulation. van Wolfswinkel L, et al. **Brain Res** 1985 Dec 9;358(1–2):349–53

Dopamine-dependent contralateral circling induced by neurotensin applied unilaterally to the ventral tegmental area in rats. Holmes LJ, et al. **Brain Res Bull** 1985 Nov; 15(5):537–8

Opposite pupillary size effects in the cat and dog after microinjections of morphine, normorphine and clonidine in the Edinger–Westphal nucleus. Sharpe LG, et al. **Brain Res Bull** 1985 Sep;15(3):329–33

Variation in the ability of neuroleptics to block the inhibitory influence of dopaminergic neurons on the activity of cells in the rat prefrontal cortex. Thierry AM, et al. **Brain Res Bull** 1986 Feb;16(2):155–60

Circling from unilateral VTA morphine: direction is controlled by environmental stimuli. Wise RA, et al. **Brain Res Bull** 1986 Feb;16(2):267–9

Neuromedin N mimics the actions of neurotensin in the ventral tegmental area but not in the nucleus accumbens.

Kalivas PW, et al. **J Pharmacol Exp Ther** 1986 Sep; 238(3):1126–31

Sensitization to repeated enkephalin administration into the ventral tegmental area of the rat. II. Involvement of the mesolimbic dopamine system. Kalivas PW.
J Pharmacol Exp Ther 1985 Nov;235(2):544–50

Sensitization to repeated enkephalin administration into the ventral tegmental area of the rat. I. Behavioral characterization. Kalivas PW, et al.
J Pharmacol Exp Ther 1985 Nov;235(2):537–43

Substance K, a novel tachykinin injected bilaterally into the ventral tegmental area of rats increases behavioral response. Takano Y, et al. **Life Sci** 1985 Dec 30;37(26):2507–14

Involvement of the ventral tegmental dopamine system in opioid and psychomotor stimulant reinforcement. Bozarth MA, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986; 67:190–6

Muscimol microinfused into the nigrotegmental target area blocks selected components of behavior elicited by amphetamine or cocaine. Bachus SE, et al.
Naunyn Schmiedebergs Arch Pharmacol 1986 Jun; 333(2):143–8

Dissociation between circling behaviour and striatal dopamine activity following unilateral deltamethrin administration to rats. Brodie ME, et al.
Naunyn Schmiedebergs Arch Pharmacol 1985 Dec; 331(4):341–6

Effects of morphine and naloxone on thresholds of ventral tegmental electrical self-stimulation. van Wolfswinkel L, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Aug; 330(2):84–92

Effects of N-allylnormetazocine (SKF 10,047), phencyclidine, and other psychomotor stimulants in the rat following 6-hydroxydopamine lesion of the ventral tegmental area. French ED. **Neuropharmacology** 1986 Apr; 25(4):447–50

Repeated neurotensin administration in the ventral tegmental area: effects on baseline and D-amphetamine-induced locomotor activity. Elliott PJ, et al. **Neurosci Lett** 1986 Jul 24;68(2):239–44

Ventral tegmental area infusion of substance P, neurotensin and enkephalin: differential effects on feeding behavior. Cador M, et al. **Neuroscience** 1986 Jul;18(3):659–69

Apomorphine anorexia: the role of dopamine cell body autoreceptors. Towell A, et al.
Psychopharmacology (Berlin) 1986;89(1):65–8

Apomorphine anorexia: a behavioural and neuropharmacological analysis. Willner P, et al.
Psychopharmacology (Berlin) 1985;87(3):351–6

[Reinforcing, but no analgesic, effect of opioid stimulation of the ventral tegmental area] Zvartau EE, et al.
Biull Eksp Biol Med 1986 Aug;102(8):172–4 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Tyrosine hydroxylase in the rat parabrachial region: ultrastructural localization and extrinsic sources of immunoreactivity. Milner TA, et al. **J Neurosci** 1986 Sep; 6(9):2585–603

METABOLISM

Identification of medial preoptic neurons that concentrate estradiol and project to the midbrain in the rat. Fahrbach SE, et al. **J Comp Neurol** 1986 May 15;247(3):364–82

Neuropeptides and NADPH-diaphorase activity in the ascending cholinergic reticular system of the rat. Vincent SR, et al. **Neuroscience** 1986;17(1):167–82

PATHOLOGY

Sites of the neurotoxic action of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine in the macaque monkey include the ventral tegmental area and the locus coeruleus. Mitchell IJ, et al. **Neurosci Lett** 1985 Oct 24;61(1-2):195–200

PHYSIOLOGY

Endogenous enkephalin modulation of dopamine neurons in ventral tegmental area. Kalivas PW, et al.
Am J Physiol 1986 Aug;251(2 Pt 2):R243–9

Stimulation of the ventral tegmental area (A10 region) enhances the hypothalamic attack behavior in the cat. Piazza P, et al. **Behav Brain Res** 1986 Feb;19(2):179–82

Cortical and ventral tegmental systems exert opposing influences on self-stimulation from the prefrontal cortex. Spence SJ, et al. **Behav Brain Res** 1985 Sep-Oct; 17(2):117–24

Alternation behavior, spatial discrimination, and reversal disturbances following 6-hydroxydopamine lesions in the nucleus accumbens of the rat. Taghzouti K, et al.
Behav Neural Biol 1985 Nov;44(3):354–63

The pretectal region of the rat participates in the regulation of goal-directed behaviour. Mager P, et al.
Biomed Biochim Acta 1986;45(4):477–83

Activation of the locus coeruleus induced by selective stimulation of the ventral tegmental area. Deutch AY, et al. **Brain Res** 1986 Jan 22;363(2):307–14

Discharges of neurons in the midpontine dorsal tegmentum of mesencephalic cat during locomotion. Kawahara K, et al. **Brain Res** 1985 Aug 26;341(2):377–80

Effects of ventro-medial mesencephalic tegmentum (VMT) stimulation on the spontaneous activity of nucleus accumbens neurones: influence of the dopamine system. Le Douarin C, et al. **Brain Res** 1986 Jan 22;363(2):290–8

Dopaminergic facilitation of recovery from amygdaloid lesions which affect hypothalamic defensive attack in cats. Maeda H, et al. **Brain Res** 1986 Jan 15;363(1):135–40

Nucleus isthmi provides most tectal choline acetyltransferase in the frog Rana pipiens. Ricciuti AJ, et al. **Brain Res** 1985 Aug 26;341(2):399–402

Regulation of mating behaviour in the female rat by gonadotropin-releasing hormone in the ventral tegmental area: effects of selective destruction of the A10 dopamine neurones. Sirinathsinghji DJ, et al. **Brain Res** 1986 May 21;374(1):167–73

The neuronal pathway from the flocculus to the oculomotor nucleus: an electrophysiological study of group y nucleus in cats. Yamamoto F, et al. **Brain Res** 1986 Apr 23; 371(2):350–4

Mesolimbic dopamine projection modulates amygdala-evoked EPSP in nucleus accumbens neurons: an in vivo study. Yim CY, et al. **Brain Res** 1986 Mar 26; 369(1-2):347–52

Antidromic discharge property of meso-accumbens dopaminergic VTA neurons in rats. Shinba T, et al.
Brain Res Bull 1985 Dec;15(6):579–86

Kindling of dopaminergic pathways modifies the effect of substantia nigra lesions on rotational behaviour. Mintz M, et al. **Neurosci Lett** 1985 Oct 24;61(1-2):7–11

Direct projection of cat midbrain tegmentum neurons to the medial rectus subdivision of the oculomotor complex. Nakao S, et al. **Neurosci Lett** 1986 Feb 28;64(2):123–8

Morphine applied to the ventral tegmentum differentially affects centrally and peripherally induced aversive effects. Moreau JL, et al. **Pharmacol Biochem Behav** 1985 Dec; 23(6):931–6

Roles of catecholamine terminals and intrinsic neurons of the ventral tegmentum in self-stimulation investigated in neonatally dopamine-depleted rats. Takeichi T, et al.
Pharmacol Biochem Behav 1986 Apr;24(4):1101–9

Preoptic and midbrain control of sexual motivation. Edwards DA, et al. **Physiol Behav** 1986;37(2):329–35

Mapping of contraversive and ipsiversive circling responses to ventral tegmental and substantia nigra electrical stimulation. Gratton A, et al. **Physiol Behav** 1985 Jul; 35(1):61–5

Self-stimulation of the lateral hypothalamus and ventrolateral tegmentum: excitability characteristics of the directly stimulated substrates. Macmillan CJ, et al.
Physiol Behav 1985 Nov;35(5):711–23

Ventral tegmental stimulation modulates centrally induced escape responding. Moreau JL, et al. **Physiol Behav** 1986 Jan;36(1):9–15

The role of mesencephalic tegmentum in regulating female rat sexual behaviors. Yamanouchi K, et al.
Physiol Behav 1985 Aug;35(2):255–9

[Effect of neuroleptics on the effects of self-stimulation of the ventral tegmentum] Talalaenko AN. **Fiziol Zh** 1986 Jul-Aug;32(4):411–3 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Spasmodic head movements produced by destruction of unilateral ventromedial tegmentum in cats. Mori K, et al.
Appl Neurophysiol 1985;48(1-6):347–50

Antagonism of footshock stress-induced inhibition of intracranial self-stimulation by naloxone or methamphetamine. Kamata K, et al. **Brain Res** 1986 Apr 16;371(1):197–200

Cardiovascular components of the defence reaction evoked by excitation of neuronal cell bodies in the midbrain periaqueductal grey of the cat. McDougall A, et al.
Neurosci Lett 1985 Sep 16;60(1):69–75

Somatosensory systems and the milk-ejection reflex in the rat. I. Lesions of the mesencephalic lateral tegmentum disrupt the reflex and damage mesencephalic somatosensory connections. Dubois-Dauphin M, et al.
Neuroscience 1985 Aug;15(4):1111–29

SURGERY

[Stereotaxic destruction of the interstitial nucleus of Cajal on spastic torticollis] Vasin Nia, et al.
Zh Vopr Neirokhir 1985 Jul-Aug;(4):3–7 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

The formation of new neuronal circuit between transplanted nigral dopamine neurons and non-immunoreactive axon terminals in the host rat caudate nucleus. Nishino H, et al. **Neurosci Lett** 1986 Feb 14;64(1):13–6

Transplanting tissue into the brain for function: use in a model of Parkinson's disease. Wyatt RJ, et al.
Res Publ Assoc Res Nerv Ment Dis 1986;64:199–208

TEICHOIC ACIDS

Critical micelle concentrations of lipoteichoic acids. Wicken AJ, et al. **J Bacteriol** 1986 Apr;166(1):72–7

ANALYSIS

Cell surface hydrophobicity of Bifidobacterium bifidum subsp. pennsylvanicum. Op den Camp HJ, et al.
Antonie Van Leeuwenhoek 1985;51(3):303–12

Lipoteichoic acids in Lactobacillus strains that colonize the mouse gastric epithelium. Sherman LA, et al.
Appl Environ Microbiol 1986 Aug;52(2):302–4

Comparative studies of lipoteichoic acids from several Bacillus strains. Iwasaki H, et al. **J Bacteriol** 1986 Aug; 167(2):508–16

[Chemical and biological properties of lipoteichoic acid of Streptococcus group A] Dmitrieva NF, et al.
Vestn Akad Med Nauk SSSR 1986;(7):30–4 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

The regulation of synthesis of wall polymers and of wall assembly in Bacillus. Hancock IC. **Biochem Soc Trans** 1985 Dec;13(6):994–6

Biosynthesis of wall teichoic acids in Staphylococcus aureus H, Micrococcus varians and Bacillus subtilis W23. Involvement of lipid intermediates containing the disaccharide N-acetylmannosaminyl N-acetylglucosamine. Harrington CR, et al. **Eur J Biochem** 1985 Dec 16; 153(3):639–45

Studies on the antibacterial activity of dodecylglycerol. Its limited metabolism and inhibition of glycerolipid and lipoteichoic acid biosynthesis in Streptococcus mutans BHT. Brissette JL, et al. **J Biol Chem** 1986 May 15; 261(14):6338–45

DIAGNOSTIC USE

[Significance of the determination of teichoic acid antibodies in the diagnosis of Staphylococcus aureus bacteremia] Herzog C, et al. **Schweiz Med Wochenschr** 1986 Mar 15; 116(11):331–5 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Antibodies to staphylococcal teichoic acid and alpha toxin in patients with cystic fibrosis. Ericsson A, et al.
Acta Paediatr Scand 1986 Jan;75(1):139–44

Antibodies to lipoteichoic acid from Staphylococcus aureus. Specificity of murine monoclonal and human antibodies. Aasjord P, et al.
Acta Pathol Microbiol Immunol Scand [C] 1985 Dec; 93(6):245–50

Relationship of staphylococcal tolerance, teichoic acid antibody, and serum bactericidal activity to therapeutic outcome in Staphylococcus aureus bacteremia. Rahal JJ Jr, et al. **Am J Med** 1986 Jul;81(1):43–52

Evaluation of the teichoic acid antibody assay using a commercial antigen. Van der Auwera P, et al.
Eur J Clin Microbiol 1985 Dec;4(6):601–3

Method for the serological typing of the capsular polysaccharides of Staphylococcus aureus. Karakawa WW, et al. **J Clin Microbiol** 1985 Sep;22(3):445–7

ISOLATION & PURIFICATION

Structural studies on the minor teichoic acid of Bacillus coagulans AHU 1631. Kojima N, et al. **Eur J Biochem** 1986 Mar 17;155(3):521–6

Purification of lipoteichoic acid by chromatography in water-organic solvent systems. Josephson SL, et al.
Infect Immun 1986 Feb;51(2):378–84

Structural studies on teichoic acids in cell walls of several serotypes of Listeria monocytogenes. Uchikawa K, et al.
J Biochem (Tokyo) 1986 Feb;99(2):315–27

[Teichoic acid from the cell wall of Actinomadura carminata—a producer of the antibiotic carminomycin] Naumova IB, et al. **Bioorg Khim** 1986 May;12(5):670–8 (Eng. Abstr.) **(Rus)**

[Comparative study of lipoteichoic acid from Streptococcus pyogenes type 29 isolated by different methods] Vylegzhanina ES, et al. **Prikl Biokhim Mikrobiol** 1985 Nov-Dec;21(6):788–93 (Eng. Abstr.) **(Rus)**

METABOLISM

Structure and assembly of the cell wall in Bacillus subtilis. Archibald AR. **Biochem Soc Trans** 1985 Dec;13(6):990–2

Alanyl lipoteichoic acid of Staphylococcus aureus: functional and dynamic aspects. Fischer W, et al.
Biochem Soc Trans 1985 Dec;13(6):984–6

Inter-chain transacylation of D-alanine ester residues of lipoteichoic acid: a unique mechanism of membrane communication. Neuhaus FC. **Biochem Soc Trans** 1985 Dec;13(6):987–90

Release of fibronectin-lipoteichoic acid complexes from group A streptococci with penicillin. Nealon TJ, et al.
Infect Immun 1986 Feb;51(2):529–35

Maintenance of D-alanine ester substitution of lipoteichoic acid by reesterification in Staphylococcus aureus. Koch HU, et al. **J Bacteriol** 1985 Dec;164(3):1211–7

[Distribution of teichoic acids in cultures of the genus Actinomadura] Potekhina NV, et al. **Mikrobiologiia** 1985 Jul-Aug;54(4):545–8 (Eng. Abstr.) **(Rus)**

[Lipoteichoic acid in beta hemolytic streptococci] Bicová K. **Cesk Epidemiol Mikrobiol Imunol** 1985 Sep;34(5):310–9 (68 ref.) (Eng. Abstr.) **(Ser)**

PHARMACODYNAMICS

The mitogenic properties of lipoteichoic acid from Staphylococcus aureus. Aasjord P, et al.
Acta Pathol Microbiol Immunol Scand [C] 1986 Jun; 94(3):91–6

In vivo effect of lipoteichoic acid on biochemical function of peritoneal macrophages. Sen V, et al. **Indian J Exp Biol** 1986 Mar;24(3):159–62

Relationship of critical micelle concentrations of bacterial lipoteichoic acids to biological activities. Courtney HS, et al. **Infect Immun** 1986 Feb;51(2):414–8

Effect of streptococcal lipoteichoic acid on prolyl hydroxylase activity as related to collagen formation in mouse fibroblast monolayers. Leon O, et al. **Infect Immun** 1985 Dec;50(3):745–52

Interaction of purified lipoteichoic acid with the classical complement pathway. Loos M, et al. **Infect Immun** 1986 Sep;53(3):595–9

Tyrosine phosphorylation of a 94-kDa protein of human fibroblasts stimulated by streptococcal lipoteichoic acid. Ganguly CL, et al. **J Biol Chem** 1985 Oct 25; 260(24):13342–6

Bacterial lipoteichoic acid sensitizes host cells for destruction by autologous complement. Hummell DS, et al. **J Clin Invest** 1986 May;77(5):1533–8

Protective effect of lipoteichoic acid from Lactobacillus casei and Lactobacillus fermentum against Pseudomonas aeruginosa in mice. Setoyama T, et al. **J Gen Microbiol** 1985 Sep;131 (Pt 9):2501–3

PHYSIOLOGY

Kinetic and chemical analyses of the biologic significance of lipoteichoic acids in mediating adherence of serotype III group B streptococci. Nealon TJ, et al. **Infect Immun** 1985 Oct;50(1):107–15

TELANGIECTASIA, HEREDITARY HEMORRHAGIC

BLOOD

Pseudothrombocytopenia: a cold autoantibody against platelet glycoprotein GP IIb. van Vliet HH, et al. **Br J Haematol** 1986 Mar;62(3):501–11

[Changes in the blood coagulation system in Osler–Rendu disease (hereditary hemorrhagic telangiectasia)] Tepliuk TB, et al. **Gematol Transfuziol** 1985 Oct;30(10):23–6 (Eng. Abstr.) (Rus)

COMPLICATIONS

Pulmonary arteriovenous fistulas in hereditary hemorrhagic telangiectasia. Vase P, et al. **Acta Med Scand** 1985; 218(1):105–9

Haematuria: a red herring? Kenney IJ, et al. **Br J Radiol** 1986 Apr;59(700):417–8

Cerebral embolism—first manifestation of pulmonary arteriovenous malformation in patients with hereditary hemorrhagic telangiectasia. Hewes RC, et al. **Cardiovasc Intervent Radiol** 1985;8(3):151–5

Spontaneous hemothorax in a patient with Osler–Weber–Rendu disease. Shashy SS, et al. **South Med J** 1985 Nov;78(11):1393–4

Hereditary hemorrhagic telangiectasia with complication of central nervous system. Lee CS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Dec;84(12):1397–402

[Lung involvement in Osler's disease and its cerebral complications] Piepgras U, et al. **Radiologe** 1986 Jan; 26(1):27–30 (Eng. Abstr.) (Ger)

[Angiodysplasia of the liver and gastrointestinal system in Rendu–Osler–Weber disease] Gelin J, et al. **ROFO** 1985 Dec;143(6):722–4 (Ger)

[A case of multiple arteriovenous fistulas associated with Osler–Rendu–Weber syndrome—a case diagnosed by dynamic CT scan] Kuriyama K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Apr;23(4):504–8 (Eng. Abstr.) (Jpn)

[Hereditary hemorrhagic telangiectasia and congenital factor XI deficiency] Ferrán M, et al. **Med Clin (Barc)** 1986 Mar 15;86(10):425–7 (Eng. Abstr.) (Spa)

[Massive hemothorax secondary to the spontaneous rupture of pulmonary telangiectasia. An exceptional complication of Rendu–Osler–Weber disease (letter)] Torres Lanzas J, et al. **Rev Clin Esp** 1985 Jun;177(2):95–6 (Spa)

DIAGNOSIS

Tell-tale telangiectasias. Goldstein GD, et al. **Chest** 1986 Jun; 89(6):885–6

[Detection of liver involvement in hereditary hemorrhagic telangiectasia (Rendu–Osler–Weber disease) using imaging procedures] Fobbe F, et al. **ROFO** 1986 Aug;145(2):225–7 (Ger)

[Differential diagnostic problems in psychiatric diseases of involution illustrated with a case of abortive Osler disease] Danke F. **Schweiz Arch Neurol Psychiatr** 1985;136(5):5–21 (Eng. Abstr.) (Ger)

[The upper gastrointestinal tract in Osler–Rendu disease] Tepliuk TB, et al. **Klin Med (Mosk)** 1986 Apr;64(4):94–5 (Eng. Abstr.) (Rus)

[A visceral form of Rendu–Osler–Weber syndrome] Loginov AS, et al. **Ter Arkh** 1985;57(7):112–4 (Eng. Abstr.) (Rus)

[Hemorrhagic hereditary telangiectasia and CREST syndrome (letter)] Zapatero Gaviria A, et al. **Med Clin (Barc)** 1985 Nov 9;85(15):642–3 (Spa)

DRUG THERAPY

Hereditary haemorrhagic telangiectasia: the use of H2 receptor antagonist in symptomatic gastric telangiectasia. Kueh YK, et al. **Ann Acad Med Singapore** 1985 Oct; 14(4):682–5

PATHOLOGY

Nodular transformation of the liver in hereditary hemorrhagic telangiectasia. Wanless IR, et al. **Arch Pathol Lab Med** 1986 Apr;110(4):331–5

Myocardial telangiectases in hereditary hemorrhagic telangiectasia [letter] Lysy J, et al. **Chest** 1986 Mar; 89(3):472

[Video-microscopic studies of telangiectases in Osler's disease and scleroderma] Maire R, et al. **Schweiz Med Wochenschr** 1986 Mar 15;116(11):335–8 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

[Pulmonary arterial hypertension in patients with hereditary hemorrhagic telangiectasia (Osler–Rendu disease)] Tepliuk TB, et al. **Ter Arkh** 1986;58(4):81–3 (Eng. Abstr.) (Rus)

SURGERY

Hereditary telangiectasia and multiple pulmonary arteriovenous fistulas. Clinical deterioration during pregnancy. Swinburne AJ, et al. **Chest** 1986 Mar; 89(3):459–60

TELANGIECTASIS

Telangiectasia [letter] Friedman SJ, et al. **Arch Dermatol** 1985 Dec;121(12):1484

Cerebral atrophy, macrosomia, and cutaneous telangiectasia in GM1 gangliosidosis [letter] Goetting MG, et al. **J Pediatr** 1985 Oct;107(4):644–5

CLASSIFICATION

Cavernous hemangioma of the retina and retinal telangiectasis. Distinct or related vascular malformations? Giuffrè G. **Retina** 1985 Fall–Winter;5(4):221–4

COMPLICATIONS

Parafoveal telangiectasis and diabetic retinopathy. Chew EY, et al. **Arch Ophthalmol** 1986 Jan;104(1):71–5

Retinal telangiectasis in facioscapulohumeral muscular dystrophy with deafness. Gurwin EB, et al. **Arch Ophthalmol** 1985 Nov;103(11):1695–700

Parafoveal telangiectasis and diabetic retinopathy [letter] Mansour A. **Arch Ophthalmol** 1986 Jul;104(7):972

Pulmonary hypertension in the CREST syndrome variant of systemic sclerosis. Stupi AM, et al. **Arthritis Rheum** 1986 Apr;29(4):515–24

Restless red legs: an association of the restless legs syndrome with arborizing telangiectasia of the lower limbs. Metcalfe RA, et al. **J Neurol Neurosurg Psychiatry** 1986 Jul; 49(7):820–3

Symmetric, progressive telangiectatic nevi with hemorrhagic angiokeratomas. Draelos ZK, et al. **Pediatr Dermatol** 1986 Jun;3(3):212–4

Atypical retinitis proliferans, retinal telangiectasis, and vitreous hemorrhage in a patient with tuberous sclerosis. Jost BF, et al. **Retina** 1986 Winter–Spring;6(1):53–6

[Telangiectasis—a rare cause of bleeding and/or perforation of the gastrointestinal tract] Urfer KH, et al. **Helv Chir Acta** 1985 Jun;52(2):279–83 (Eng. Abstr.) (Ger)

[Telangiectatic polyp of the stomach] Dirschmid K, et al. **Schweiz Rundsch Med Prax** 1985 Dec 17;74(51):1429–30 (Eng. Abstr.) (Ger)

[Primary biliary cirrhosis associated with the CRST syndrome] Sablich R, et al. **Recenti Prog Med** 1985 Oct; 76(10):515–7 (Eng. Abstr.) (Ita)

[Cutis marmorata telangiectatica congenita. Associated abnormalities] López-Herce Cid J, et al. **An Esp Pediatr** 1985 Jun;22(8):575–80 (Eng. Abstr.) (Spa)

CONGENITAL

Cutis marmorata telangiectatica congenita with multiple congenital anomalies. Del Giudice SM, et al. **Arch Dermatol** 1986 Sep;122(9):1060–1

Cutis marmorata telangiectatica congenita. Mocan H, et al. **Turk J Pediatr** 1985 Oct–Dec;27(4):237–40

DIAGNOSIS

[Prolonged losses of consciousness disclosing mastocytosis of the telangiectasia macularis eruptiva perstans type] Bonnefoy M, et al. **Ann Dermatol Venereol** 1986; 113(3):259–62 (Fre)

[Disseminated essential telangiectasis] Piette F, et al. **Phlebologie** 1985 Oct–Dec;38(4):661–4 (Eng. Abstr.) (Fre)

[Differential diagnosis of livedo reticularis] Schulze P, et al. **Dermatol Monatsschr** 1986;172(2):101–4 (Eng. Abstr.) (Ger)

[Extraoral manifestation of a white sponge nevus of the mucosa] Buchholz F, et al. **Geburtshilfe Frauenheilkd** 1985 Aug;45(8):570–1 (Eng. Abstr.) (Ger)

[Telangiectatic granulomas (pseudobotryomycomas) in otorhinolaryngology and benign and malignant tumors (an analysis of clinical cases)] Ene F. **Rev Chir [Otorinolaringol]** 1986 Jan–Mar;31(1):19–22 (Eng. Abstr.) (Rum)

DRUG THERAPY

Estrogen therapy for bleeding gastrointestinal telangiectasias [letter] Brinberg D, et al. **Ann Intern Med** 1986 Sep; 105(3):462–3

Estrogen–progesterone therapy for bleeding gastrointestinal telangiectasias in chronic renal failure. An uncontrolled trial. Bronner MH, et al. **Ann Intern Med** 1986 Sep; 105(3):371–4

ETIOLOGY

Colonic telangiectasias in a patient with progressive systemic sclerosis. Baron M, et al. **Arthritis Rheum** 1986 Feb; 29(2):282–5

Unilateral dermatomal superficial telangiectasia. Colver GB, et al. **Clin Exp Dermatol** 1985 Sep;10(5):455–8

The predictive value of skin telangiectasia for late radiation effects in different normal tissues. Turesson I, et al. **Int J Radiat Oncol Biol Phys** 1986 Apr;12(4):603–9

Complication after sclerotherapy [letter] Wolinsky S. **J Dermatol Surg Oncol** 1985 Dec;11(12):1154, 1185

[Post-stripping telangiectasis] Hutinel B, et al. **Phlebologie** 1985 Oct–Dec;38(4):665–7 (Eng. Abstr.) (Fre)

IMMUNOLOGY

[Anti-centromere antibody, biological marker of the CREST syndrome as distinct from scleroderma] Rouquette-Gally AM, et al. **Presse Med** 1985 Jul 13–20;14(28):1497–500 (Eng. Abstr.) (Fre)

METABOLISM

Abnormal glucose metabolism and parafoveal telangiectasia. Millay RH, et al. **Am J Ophthalmol** 1986 Sep 15; 102(3):363–70

PATHOLOGY

Idiopathic uniocular juxtafoveolar retinal telangiectasis in a female patient. Terasvirta M, et al. **Acta Ophthalmol [Suppl] (Copenh)** 1985;173:60–1

[Myoclonic cerebellar dyssynergia (Ramsay–Hunt syndrome) and cerebellar telangiectasia] Gray F, et al. **Rev Neurol (Paris)** 1986;142(1):29–33 (Eng. Abstr.) (Fre)

[Video-microscopic studies of telangiectases in Osler's disease and scleroderma] Maire R, et al. **Schweiz Med Wochenschr** 1986 Mar 15;116(11):335–8 (Eng. Abstr.) (Ger)

[Case of a pontine hematoma in a telangiectasis type of vascular malformation] Pendefunda G, et al. **Rev Med Chir Soc Med Nat Iasi** 1984 Jan–Mar;88(1):153–4 (Rum)

RADIOGRAPHY

Telangiectatic osteosarcoma. Gomes H, et al. **Pediatr Radiol** 1986;16(2):140–3

SURGERY

Electrosurgery using insulated needles: treatment of telangiectasias. Kobayashi T. **J Dermatol Surg Oncol** 1986 Sep;12(9):936–42

Argon laser treatment of superficial vascular lesions in children. Hobby LW. **Lasers Surg Med** 1986;6(1):16–9, 46–9

Treatment of cutaneous and deep vascular lesions with the Nd:YAG laser. Rosenfeld H, et al. **Lasers Surg Med** 1986; 6(1):20–3, 50–1

Isolated retinal telangiectatic masses. Casswell AG, et al. **Trans Ophthalmol Soc UK** 1986;105 (Pt 1):94–9

[Treatment of capillary hemangiomas and telangiectases with laser] Zachariae H, et al. **Ugeskr Laeger** 1986 Jan 6; 148(2):77–9 (Eng. Abstr.) (Dan)

[Treatment of naevi aranei and telangiectasis with an argon laser] Hammer R, et al. **Dermatol Monatsschr** 1986; 172(2):107–9 (Ger)

[A cryogenic method of treating hemangioma and telangiectasis in children] Kozhevnikov VA, et al. **Vestn Khir** 1985 Oct;135(10):89–92 (Eng. Abstr.) (Rus)

THERAPY

A mild sclerosing agent for telangiectasias [letter] Mantse L. **J Dermatol Surg Oncol** 1985 Sep;11(9):855

TELECOMMUNICATIONS

Teletransmission of radiographic images. Preliminary report. Nilsson U, et al. **Acta Radiol [Diagn] (Stockh)** 1986 May–Jun;27(3):357–60

Medical telecommunications—fundamental changes in the art and science of medicine. Toups DM. **Am J Med Sci** 1985 Nov;290(5):214–20

An integrated perinatal information system and telecommunications networking. Carrasco NJ, et al. **Am J Perinatol** 1986 Apr;3(2):141–3

Respiratory ill health among coal miners and telecommunication workers in south Wales. Lloyd MH, et al. **Br J Ind Med** 1986 Mar;43(3):177–81

Use of electronic mail for patient record transmission. Cowie JF. **Br Med J [Clin Res]** 1985 Nov 16;291(6506):1439–40

Use of electronic mail for patient record transmission [letter] Gaunt PN. **Br Med J [Clin Res]** 1985 Dec 14; 291(6510):1724

Teleconferencing for a journal club [letter] Jeffery HF. **Can Med Assoc J** 1985 Dec 15;133(12):1198–200

Video conferencing and real-time communication. Kalisman M, et al. **Clin Plast Surg** 1986 Jul;13(3):497–507

Self-help computer conferencing. Schneider SJ, et al. **Comput Biomed Res** 1986 Jun;19(3):274–81

Telephone conference networks for training in mental health. Connell CM, et al. **Gerontologist** 1986 Aug;26(4):339–41

Cognitive telephone group therapy with physically disabled elderly persons. Evans RL, et al. **Gerontologist** 1986 Feb; 26(1):8–11

Postgraduate medical education by distance learning. Hibbard BM, et al. **J Audiov Media Med** 1986 Apr; 9(2):69–73

What do ostriches do? Gage JF. **J Biocommun** 1986 Winter; 13(1):2–3

Linked tutorial teaching by teleconference and videocassette. Hibbard BM, et al. **Med Educ** 1985 Sep;19(5):396–402

Interactive medical telecomputing [letter] **N Engl J Med** 1986 Oct 2;315(14):899–900

Interactive medical telecomputing. An alternative approach to community health education. Grundner TM, et al. **N Engl J Med** 1986 Apr 10;314(15):982–5

Remote diagnosis via a telecommunication satellite—ultrasonic tomographic image transmission experiments. Nakajima I, et al. **Tokai J Exp Clin Med** 1985 Apr;10(1):65–9

Telecommunications in urology. Radwin HM. **Urol Clin North Am** 1986 Feb;13(1):59–64

[Evolution and current uses of telematics in medicine. Future prospectives of telemedicine] Rotondo G. **Minerva Med** 1986 Jan 28;77(3–4):67–77 (Eng. Abstr.) **(Ita)**

[Use of telegraph communication in medico-legal practice] Shupik IuP, et al. **Sud Med Ekspert** 1986 Apr–Jun; 29(2):55–6 **(Rus)**

TELECONFERENCE see **TELECOMMUNICATIONS**

TELEMETRY

Antepartum fetal heart rate recording and subsequent fast transmission by a distributed microprocessor-based dedicated system. Gough NA, et al. **Int J Biomed Comput** 1986 Jan;18(1):61–5

[Telemetric labor monitoring. Clinical aspects, cardiotocographic findings and acceptance of free mobilization in labor] Retzke F, et al. **Geburtshilfe Frauenheilkd** 1985 Sep;45(9):641–5 (Eng. Abstr.) **(Ger)**

[Clinical usefulness of the telemetry system on the DDD pacemaker] Aida H, et al. **Kyobu Geka** 1985 Aug; 38(8):618–22 (Eng. Abstr.) **(Jpn)**

INSTRUMENTATION

The Rotterdam Teletransducer: state of the device. Maas AI, et al. **Acta Neurochir (Wien)** 1986;79(1):5–12

Monitoring heart and breath sounds by telemetry. Sainsbury DA. **Anaesth Intensive Care** 1985 Nov;13(4):415–6

Telemetry glucose monitoring device with needle-type glucose sensor: a useful tool for blood glucose monitoring in diabetic individuals. Shichiri M, et al. **Diabetes Care** 1986 May–Jun;9(3):298–301

Telemetry system for stimulation and monitoring of freely moving patients. Barnea O, et al. **IEEE Trans Biomed Eng** 1986 Mar;33(3):320–6

Intracranial pressure telemetry system using semicustom integrated circuits. Leung AM, et al. **IEEE Trans Biomed Eng** 1986 Apr;33(4):386–95

An optical telemetry device to identify which dolphin produces a sound. Tyack P. **J Acoust Soc Am** 1985 Nov; 78(5):1892–5

Configuration of the fetal electrocardiogram in ambulatory women in labor monitored with wideband telemetry. Sampson MB, et al. **J Reprod Med** 1985 Nov;30(11):854–6

Preliminary development of a radiotelemetry system for biological applications. Forster IC. **Med Biol Eng Comput** 1986 May;24(3):281–91

Near infra-red telemetry system. Takahashi M, et al. **Med Biol Eng Comput** 1985 Jul;23(4):387–92

A comparison of the telediagnostic and medilog systems for recording normal sleep in the home environment. Sewitch DE, et al. **Psychophysiology** 1985 Nov;22(6):718–26

[Telemetric labor monitoring using the fetal monitor BMT 941-1] Heinrich J, et al. **Zentralbl Gynakol** 1986; 108(5):316–20 (Eng. Abstr.) **(Ger)**

[Evaluation of the number and degree of premature ectopic ventricular beats using a new method of programming of the diagnostic stimulator DPG-1] Wojciechowski D, et al. **Kardiol Pol** 1985;28(8–9):596–9 (Eng. Abstr.) **(Pol)**

METHODS

A new use for the esophageal lead: continuous telemetry monitoring. Schuchard GH, et al. **Am Heart J** 1986 May; 111(5):1007–9

CEUSPEC—a computerized system for fetal home telemetry. Dalton KJ, et al. **Int J Biomed Comput** 1986 Mar;18(2):145–53

Prediction of videotelemetry productivity from clinical screening parameters. Kresner PG, et al. **J Am Acad Child Psychiatry** 1985 Sep;24(5):597–602

Radiotelemetry system for continuously monitoring temperature in cows. Lefcourt AM, et al. **J Dairy Sci** 1986 Jan;69(1):237–42

Passive signalling via inductive coupling. Donaldson ND. **Med Biol Eng Comput** 1986 Mar;24(2):223–4

Polysomnographic telemetry using Telediagnostic and Oxford Medilog 9000 systems. Sewitch DE, et al. **Sleep** 1985;8(3):288–93

Gastro-oesophageal reflux—initial experience with a radiotelemetry system for prolonged oesophageal pH monitoring. Collins BJ, et al. **Ulster Med J** 1985 Oct; 54(2):165–70

[Basic study on transcutaneous biotelemetry using scattered light] Kudo N, et al. **Iyodenshi To Seitai Kogaku** 1985 Jun; 23(3):194–8 (Eng. Abstr.) **(Jpn)**

VETERINARY

[Optimal sites for attaching ECG-telemetry electrodes on cows and calves] Kostov I, et al. **Vet Med Nauki** 1986; 23(1):33–41 (Eng. Abstr.) **(Bul)**

TELENCEPHALON

Diagnosis of a primary non-Hodgkin's lymphoma of the central nervous system by examination of the cerebrospinal fluid. Hoefnagels WA, et al. **Clin Neurol Neurosurg** 1986; 88(1):45–8

[Multiple primary tumors of the brain (rare case)] Matsko DE. **Zh Nevropatol Psikhiatr** 1986;86(6):903–5 (Eng. Abstr.) **(Rus)**

ANALYSIS

Myelin in the developing human cerebrum. Martinez M. **Brain Res** 1986 Feb 5;364(2):220–32

Extracts from neuron-enriched cultures of chick telencephalon stimulate the proliferation of rat oligodendrocytes. Edgar AD, et al. **Dev Neurosci** 1985; 7(4):206–15

Localization of cells containing LHRH-like mRNA in rat forebrain using in situ hybridization. Shivers BD, et al. **Endocrinology** 1986 Feb;118(2):883–5

Accurate evaluation of 1,2-diacylglycerol in gerbil forebrain using HPLC and in situ freezing technique. Abe K, et al. **J Neurochem** 1986 Aug;47(2):577–82

Regional distribution of the dopamine D2 receptors in the mesotelencephalic dopamine neuron system of human brain. De Keyser J, et al. **J Neurol Sci** 1985 Nov; 71(1):119–27

[Biochemical studies of the cerebral ischemia in the rat—changes in cerebral free amino acids, catecholamines and uric acid] Kaneko D. **No To Shinkei** 1986 Mar; 38(3):253–8 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

The nucleus basalis-neostriatum complex in the goose (Anser anser L.). Veenman CL, et al. **Adv Anat Embryol Cell Biol** 1986;96:1–85 (157 ref.)

Cytoarchitecture, synaptic organization and fiber connections of the nucleus olfactoretinalis in a teleost (Navodon modestus). Matsutani S, et al. **Brain Res** 1986 May 14; 373(1–2):126–38

Retinopetal projections from a subpopulation of ganglion cells of the nervus terminalis in the dwarf gourami (Colisa lalia). Oka Y, et al. **Brain Res** 1986 Mar 5;367(1–2):341–5

An HRP study of afferent connections of the supracommissural ventral telencephalon and the medial preoptic area in himé salmon (landlocked red salmon, Oncorhynchus nerka). Shiga T, et al. **Brain Res** 1985 Dec 30;361(1–2):162–77

Tectal projection neurons to the retinopetal nucleus in the filefish. Uchiyama H, et al. **Brain Res** 1986 Mar 26; 369(1–2):260–6

A note on the projection from the rostral thalamus to the visual hyperstriatum of the chicken (Gallus gallus). Ehrlich D, et al. **Exp Brain Res** 1986;62(1):207–11

Ascending projections of the mammillary region in the pigeon: emphasis on telencephalic connections. Berk ML, et al. **J Comp Neurol** 1985 Sep 15;239(3):330–40

A second ascending visual pathway from the optic tectum to the telencephalon in the pigeon (Columba livia). Gamlin PD, et al. **J Comp Neurol** 1986 Aug 15;250(3):296–310

Telencephalic projections from midbrain and isthmal cell groups in the pigeon. II. The nigral complex. Kitt CA, et al. **J Comp Neurol** 1986 May 1;247(1):92–110

Telencephalic projections from midbrain and isthmal cell groups in the pigeon. I. Locus coeruleus and subcoeruleus. Kitt CA, et al. **J Comp Neurol** 1986 May 1;247(1):69–91

The cerebellar and vestibular nuclear complexes in the turtle. II. Projections to the prosencephalon. Künzle H. **J Comp Neurol** 1985 Dec 1;242(1):122–33

Telencephalic ascending acousticolateral system in a teleost (Sebastiscus marmoratus), with special reference to the fiber connections of the nucleus preglomerulosus. Murakami T, et al. **J Comp Neurol** 1986 May 15; 247(3):383–97

The prefrontal "cortex" in the pigeon catecholamine histofluorescence. Divac I, et al. **Neuroscience** 1985 Jul; 15(3):677–82

BLOOD SUPPLY

Telencephalic microvessels of premature beagle pups. Leuschen MP, et al. **Anat Rec** 1986 May;215(1):59–64

The possible significance of symmetry and asymmetry of the mean hemispheric CBF in patients with one-sided cerebral ischemia. Mosmans PC, et al. **Clin Neurol Neurosurg** 1986; 88(1):19–26

[Paravascular structures of the major arteries of the cerebral hemispheres (electron microscopy study)] Dobrovol'skiĭ GF. **Arkh Anat Gistol Embriol** 1986 Feb;90(2):69–77 (Eng. Abstr.) **(Rus)**

[Recovery of motor function disorders in patients of different ages with infarct foci in the cerebral hemispheres (clinico-computer-tomographic correlation)] Borisenko VV. **Zh Nevropatol Psikhiatr** 1985;85(8):1138–43 (Eng. Abstr.) **(Rus)**

[Speech disorders with localization of the vascular focus in deep structures of the dominant hemisphere of the brain] Stoliarova LG, et al. **Zh Nevropatol Psikhiatr** 1985; 85(9):1296–300 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Mapping of glucocorticoid receptor immunoreactive neurons in the rat tel- and diencephalon using a monoclonal antibody against rat liver glucocorticoid receptor. Fuxe K, et al. **Endocrinology** 1985 Nov;117(5):1803–12

Telencephalic afferent projections from the diencephalon and brainstem in the pigeon. A retrograde multiple-label fluorescent study. Miceli D, et al. **Exp Biol** 1985;44(2):71–99

A localised growth zone in the wall of the developing mouse telencephalon. Smart IH. **J Anat** 1985 May;140 (Pt 3):397–402

Axosomatic retinal projection to deep tectal neurons and retinopetal neurons in largemouth bass (Micropterus salmoides lacepede). Bazer GT, et al. **Neurosci Lett** 1985 Sep 6;59(3):309–12

Cholinergic neurons in the telencephalon of the reptile Caiman crocodilus. Brauth SE, et al. **Neurosci Lett** 1985 Jul 31;58(2):235–40

DRUG EFFECTS

[The effect of fusaric acid on nerve tissue cultured in vitro] Lindner G, et al. **Z Mikrosk Anat Forsch** 1986; 100(2):262–72 (Eng. Abstr.) **(Ger)**

[Interhemispheric interaction in the rabbit after administration of delta-sleep-inducing-peptide] Sukhbat G. **Fiziol Zh SSSR** 1986 Jun;72(6):729–36 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Volumetric development of the fetal telencephalon, cerebral cortex, diencephalon, and rhombencephalon including the cerebellum in man. Koop M, et al. **Bibl Anat** 1986; (28):53–78

Ontogeny of GABAergic neurons in chick brain: studies in vivo and in vitro. Jong YJ, et al. **Brain Res** 1986 Feb; 390(1):83–90

Differential growth of the cell production systems in the lateral wall of the developing mouse telencephalon. Smart IH. **J Anat** 1985 Aug;141:219–29

ENZYMOLOGY

Development of cholinergic markers in mouse forebrain. I. Choline acetyltransferase enzyme activity and acetylcholinesterase histochemistry. Höhmann CF, et al. **Brain Res** 1985 Dec;355(2):225–41

A chemoarchitectural study of telencephalon and diencephalon of a microchiropteran bat (Taphozous melanopogon Temminck). Sood PP. **Cell Mol Biol** 1985; 31(6):489–95

Age and sex-dependent decreases in ChAT in basal forebrain nuclei. Luine VN, et al. **Neurobiol Aging** 1986 May–Jun; 7(3):193–8

GROWTH & DEVELOPMENT

Postnatal development of the telencephalon of the tammar wallaby (Macropus eugenii). An accessible model of neocortical differentiation. Reynolds ML, et al. **Anat Embryol (Berl)** 1985;173(1):81–94

INJURIES

Recovery of function after neonatal or adult hemispherectomy in cats: II. Time course, movement, posture and sensorimotor tests. Villablanca JR, et al. **Behav Brain Res** 1986 Mar;19(3):205–26

METABOLISM

Na+/K+-ATPase activity and GABA uptake in astroglial cell-enriched fractions and synaptosomes derived from rats in the early stage of experimental hepatogenic encephalopathy. Albrecht J, et al. **Acta Neurol Scand** 1985 Sep;72(3):317–20

Increased lipid peroxide formation in the rat forebrain during kainic acid seizures. Sztriha L. **Biomed Biochim Acta** 1986; 45(4):491–4

Characterization and localization of serotonin receptors in human brain postmortem. Biegon A, et al. **Brain Res** 1986

Jan 15;363(1):91–8
Neurotransmitter–related markers in the normal and experimentally lesioned telencephalon of the goldfish. Bissoli R, et al. **Brain Res** 1985 Oct 7;344(2):397–401
Autoradiographic localization of mu– and delta–opiate receptors in the forebrain of the rat. McLean S, et al. **Brain Res** 1986 Jul 16;378(1):49–60
Galanin–like immunoreactivity in cholinergic neurons of the septum–basal forebrain complex projecting to the hippocampus of the rat. Melander T, et al. **Brain Res** 1985 Dec 23;360(1–2):130–8
Substance P–immunoreactive astrocytes related to deep white matter and striatal blood vessels in human brain. Michel JP, et al. **Brain Res** 1986 Jul 9;377(2):383–7
Expression of classical mitochondrial respiratory responses in homogenates of rat forebrain. Sims NR, et al. **J Neurochem** 1986 Aug;47(2):496–505
Effects of perinatal administration of isobutyl methylxanthine (IBMX) on [3H]–DA binding in the forebrain of the rat. Tehrani MH, et al. **Methods Find Exp Clin Pharmacol** 1986 Apr;8(4):197–201
Parvalbumin in rat cerebrum, cerebellum and retina during postnatal development. Endo T, et al. **Neurosci Lett** 1985 Oct 10;60(3):279–82
Sodium pathway markers in normal and kindled frog brains. Moneta ME, et al. **Neurosci Lett** 1986 Apr 24;65(3):331–5
Angiotensin II binding sites in the anteroventral–third ventricle (AV3V) area and related structures of the rat brain. Shigematsu K, et al. **Neurosci Lett** 1986 Jun 6; 67(1):37–41
Gonadotropin–releasing hormone immunoreactive neurons with access to fenestrated capillaries in mouse brain. Jennes L, et al. **Neuroscience** 1986 Jun;18(2):403–16
Calcitonin gene–related peptidergic projection from the parabrachial area to the forebrain and diencephalon in the rat: an immunohistochemical analysis. Shimada S, et al. **Neuroscience** 1985 Nov;16(3):607–16
Localization of chick retinal visinin–like immunoreactivity in the rat forebrain and diencephalon. Takami K, et al. **Neuroscience** 1985 Jul;15(3):667–75
The influence of social isolation on ethanol preference behavior and dopamine release in telencephalon slices in mice. Andreas K, et al. **Pol J Pharmacol Pharm** 1985 Nov–Dec;37(6):851–4

PATHOLOGY

Regional morphology and biochemistry in experimental brain abscesses. Bothe HW, et al. **Acta Neuropathol (Berl)** 1986; 69(1–2):17–22
Immunohistochemical evidence for degeneration of cholinergic neurons in the forebrain of the rat following injection of AF64A–picrylsulfonate into the dorsal hippocampus. Tonnaer JA, et al. **Brain Res** 1986 Apr 2; 370(1):200–3
Cerebral phaeohyphomycosis. Masini T, et al. **Clin Neuropathol** 1985 Nov–Dec;4(6):246–9
Alzheimer plaques and cortical cholinergic innervation. Arendt T, et al. **Neuroscience** 1986;17(1):277–9
[Pathomorphology and differential diagnosis of intracerebral hemorrhages in newborn infants] Vlasiuk VV. **Arkh Patol** 1986;48(6):44–51 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Neglect after section of a left telencephalotectal tract in pigeons. Güntürkün O, et al. **Behav Brain Res** 1985 Oct–Nov;18(1):1–9
Avoidance learning in rats devoid of the telencephalon plus thalamus. Huston JP, et al. **Behav Brain Res** 1985 Sep–Oct; 17(2):87–95
Effects of ibotenic acid lesion in the basal forebrain on electrical self–stimulation in the middle part of the lateral hypothalamus. Velley L. **Behav Brain Res** 1986 Jun; 20(3):303–11
Effects of septal–forebrain lesions on maternal aggression and maternal care. Flannelly KJ, et al. **Behav Neural Biol** 1986 Jan;45(1):17–30
Factors modulating the effects of teleost telencephalon ablation on retention, relearning, and extinction of instrumental avoidance behavior. Overmier JB, et al. **Behav Neurosci** 1986 Apr;100(2):190–9
Localization of telencephalic regions concerned with habituation of cardiac and ventilatory responses associated with arousal in the goldfish (Carassius auratus). Rooney DJ, et al. **Behav Neurosci** 1986 Feb;100(1):45–50
Classical conditioning of tone–signaled bradycardia modifies 2–deoxyglucose uptake patterns in cortex, thalamus, habenula, caudate–putamen and hippocampal formation. Gonzalez–Lima F, et al. **Brain Res** 1986 Jan 22; 363(2):239–56
Monocular deprivation affects neuron size in the ectostriatum of the zebra finch brain. Herrmann K, et al. **Brain Res** 1986 Jul 30;379(1):143–6
Percentage of relay and intrinsic neurons in two sensory thalamic nuclei projecting to the non–cortical telencephalon in reptiles Caiman crocodilus. Pritz MB, et al. **Brain Res** 1986 Jun 18;376(1):169–74
Electrophysiological characteristics of neurons in forebrain regions implicated in self–stimulation of the medial forebrain bundle in the rat. Rompré PP, et al. **Brain Res** 1986 Feb 5;364(2):338–49
Sleep–related neuronal discharge in the basal forebrain of cats. Szymusiak R, et al. **Brain Res** 1986 Apr 2;370(1):82–92
Circling from unilateral VTA morphine: direction is controlled by environmental stimuli. Wise RA, et al. **Brain Res Bull** 1986 Feb;16(2):267–9
Reversal learning of an avoidance response in detelencephalated rats. Huston JP, et al. **Exp Neurol** 1986 Jan;91(1):147–53
Survival of a conditioned inhibitory avoidance response after decerebration. Tomaz C, et al. **Exp Neurol** 1986 Jul; 93(1):188–94
Connections of the hyperstriatum ventrale of the domestic chick (Gallus domesticus). Bradley P, et al. **J Anat** 1985 Jun;140 (Pt 4):577–89
[3H]ketanserin (serotonin type 2) binding increases in rat cortex following basal forebrain lesions with ibotenic acid. Wenk GL, et al. **J Neurochem** 1986 Sep;47(3):845–50
Paraphysectomy–induced stimulation of parathyroid glands in mature frogs (Rana catesbeiana): evidence for telencephalic regulation of parathyroid gland function. Sarras MP Jr, et al. **Mol Cell Endocrinol** 1986 Sep; 47(1–2):59–70
Basal forebrain neurons provide major cholinergic innervation of primate neocortex. Struble RG, et al. **Neurosci Lett** 1986 May 15;66(2):215–20
Two thalamo–telencephalic pathways in a urodele, Triturus alpestris. Wicht H, et al. **Neurosci Lett** 1986 Jul 11; 68(1):90–4
[Visual evoked potentials] Kuroiwa Y, et al. **No To Shinkei** 1985 Sep;37(9):889–904 **(Jpn)**
[Somatosensory evoked potentials (SEPs) in lower limb stimulation] Machida M, et al. **No To Shinkei** 1985 Sep; 37(9):849–59 (48 ref.) **(Jpn)**
[Somatosensory potentials evoked by peripheral nerve stimulation in the upper extremity] Tsuji S. **No To Shinkei** 1985 Sep;37(9):839–48 (54 ref.) **(Jpn)**
[Telencephalization and the transposition of functions in the vertebrate central nervous system in the light of new data] Belekhova MG, et al. **Zh Evol Biokhim Fiziol** 1985 Nov–Dec;21(6):531–41 (43 ref.) **(Rus)**

SURGERY

Recovery of function after neonatal or adult hemispherectomy in cats. II. Limb bias and development, paw usage, locomotion and rehabilitative effects of exercise. Burgess JW, et al. **Behav Brain Res** 1986 Apr; 20(1):1–17

ULTRASTRUCTURE

Cytoarchitecture and ultrastructure of the avian ectostriatum: afferent terminals from the dorsal telencephalon and some nuclei in the thalamus. Watanabe M, et al. **J Comp Neurol** 1985 Jun 8;236(2):241–57

TELEOLOGICAL ETHICS see ETHICS

TELEPHONE

Adolescents' seat belt use and car telephones [letter] Finney JW. **Am J Dis Child** 1986 Oct;140(10):975
A comparison of costs and data quality of three health survey methods: mail, telephone and personal home interview. O'Toole BI, et al. **Am J Epidemiol** 1986 Aug;124(2):317–28
Receiving and transcribing telephone orders [letter] Haun WM, et al. **Am J Hosp Pharm** 1986 Aug;43(8):1912–3
Patient telephone callback [letter] Varian DW. **Ann Emerg Med** 1986 Mar;15(3):383
Cognitive therapy to achieve personal goals: results of telephone group counseling with disabled adults. Evans RL, et al. **Arch Phys Med Rehabil** 1985 Oct;66(10):693–6
Aphasia treatment delivered by telephone. Helm–Estabrooks N, et al. **Arch Phys Med Rehabil** 1986 Jan;67(1):51–3
Does telephone counselling have preventive value? Hornblow AR. **Aust NZ J Psychiatry** 1986 Mar;20(1):23–8 (62 ref.)
The Imtran revolution—telephone transmission of X–rays and scans. Griffith H. **Bristol Med Chir J** 1986 Apr; 101(2):29, 37
Intensity and frequency of sound levels from cordless telephones. A pediatric alert. Orchik DJ, et al. **Clin Pediatr (Phila)** 1985 Dec;24(12):688–90
Dispatcher cardiopulmonary resuscitation instruction via telephone. Eisenberg MS, et al. **Crit Care Med** 1985 Nov; 13(11):923–4
Phone lines put remote sites in touch with radiologists. Martin DL. **Dimens Health Serv** 1986 Jun;63(5):40
Cordless telephones and acoustic trauma: a case study. Gerling IJ, et al. **Ear Hear** 1985 Jul–Aug;6(4):203–5
Telephone prompting to reduce missed CMHC appointments. Carr VC. **Hosp Community Psychiatry** 1985 Nov; 36(11):1217–8
Telephone helplines at a suicide site. Glatt KM, et al. **Hosp Community Psychiatry** 1986 Feb;37(2):178–80
The evolution and effectiveness of telephone counseling services. Hornblow AR. **Hosp Community Psychiatry** 1986 Jul;37(7):731–3
Character pattern recognition for a telecommunication aid for the deaf. Kondrake GV, et al. **IEEE Trans Biomed Eng** 1986 Mar;33(3):366–70
Perceived helpfulness of messages on a community–based telephone support service for ex–smokers. Shapiro RM, et al. **Int J Addict** 1985 Nov–Dec;20(11–12):1837–47
Antepartum fetal heart rate recording and subsequent fast transmission by a distributed microprocessor–based dedicated system. Gough NA, et al. **Int J Biomed Comput** 1986 Jan;18(1):61–5
National Nutrition Month hotline. Perkins AH, et al. **J Am Diet Assoc** 1986 Mar;86(3):365–7
Utilization of a telephone cancer information program by symptomatic people. Altman DG. **J Community Health** 1985 Fall;10(3):156–71
Use of videotape and phone teleconference in statewide extension program on milk quality and mastitis control. Peters RR, et al. **J Dairy Sci** 1986 Apr;69(4):1178–85
Physician decision making over the telephone. Sloane PD, et al. **J Fam Pract** 1985 Oct;21(4):279–84
Cordless telephone: hazard to hearing. Westerman ST, et al. **J Med Soc NJ** 1985 Sep;82(9):729–31
The suicidal phone call. Neville D, et al. **J Psychosoc Nurs Ment Health Serv** 1985 Aug;23(8):14–8
Inductive coupling of hearing aids and telephone receivers. Stoker RG, et al. **J Rehabil Res Dev** 1986 Jan;23(1):71–8
An experimental test of telephone aftercare contacts with alcoholics. Fitzgerald JL, et al. **J Stud Alcohol** 1985 Sep; 46(5):418–24
Telephone surveys in public health research. Marcus AC, et al. **Med Care** 1986 Feb;24(2):97–112
Telephone–related lightning injury. Johnstone BR, et al. **Med J Aust** 1986 Jun 23;144(13):706–9
Transtelephonic monitoring of 25,919 implanted pacemakers. Dreifus LS, et al. **PACE** 1986 May;9(3):371–8
Telephone consultations [letter] **Pediatr Infect Dis** 1986 Jul–Aug;5(4):496–7
Diabetes home monitoring by telephone data entry. Arbogast JG, et al. **Primary Care** 1985 Sep;12(3):573–9
9–1–1 implementation: implications for poison center access. Grant–Willey ME, et al. **Vet Hum Toxicol** 1985 Dec; 27(6):536–9
Use of a line card sequencer for triage of poison center calls. Wieland MJ. **Vet Hum Toxicol** 1985 Dec;27(6):510–2
[The medico–social importance of "hot lines"] Eis Z. **Cas Lek Cesk** 1986 Jun 13;125(24):737–41 (Eng. Abstr.) **(Cze)**
[Psychiatric first aid by telephone—"the telephone of trust"] Bouček J. **Psychiatr Neurol Med Psychol Beih** 1977; 22–23:142–8 (Eng. Abstr.) **(Ger)**
[Distant telephone transmission of CT images: its clinical application] Suzuki M, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1985 Dec 25; 45(12):1540–7 (Eng. Abstr.) **(Jpn)**

INSTRUMENTATION

The instrument accuracy limit for objectively measuring the loudness rating of telephone systems. Irii H, et al. **J Acoust Soc Am** 1986 Feb;79(2):550–8
[Detection of heart rhythm disorders by ECG autotransmission via telephone] Zakharov VN, et al. **Kardiologiia** 1985 Nov;25(11):10–3 (Eng. Abstr.) **(Rus)**
[VTM–5 and VTM–10 medical video–telephones] Sterlin IuG, et al. **Med Tekh** 1986 Mar–Apr;(2):51–3 **(Rus)**

METHODS

Telephone transmission of fetal heart rate monitor data. The experience at the University of Connecticut Health Center. Vintzileos AM, et al. **Am J Obstet Gynecol** 1986 Sep; 155(3):630–4
Pediatric resident training in telephone management: a survey of training programs in the United States. Wood PR. **Pediatrics** 1986 Jun;77(6):822–5

STANDARDS

Telephone answering service—you can't afford anything less than the best. Gillette RD. **Ohio State Med J** 1986 Jul; 82(7):435–7

UTILIZATION

Caution on cordless telephones. Pappas JJ, et al. **South Med J** 1986 Aug;79(8):1040–1

TELERADIOISOTOPE THERAPY see RADIOISOTOPE TELETHERAPY

TELESCOPIC PROSTHESIS see DENTURE, OVERLAY

TELEVISION

Does televised drinking influence children's attitudes toward alcohol? Kotch JB, et al. **Addict Behav** 1986;11(1):67–70
Adolescents' time spent viewing television. Lawrence FC, et al. **Adolescence** 1986 Summer;21(82):431–6
Television's role regarding alcohol use among teenagers. Tucker LA. **Adolescence** 1985 Fall;20(79):593–8
Using closed–captioned television in the teaching of reading to deaf students. Koskinen PS, et al. **Am Ann Deaf** 1986 Mar;131(1):43–6
The impact of television on children. Current pediatric training practices. Smith RD, et al. **Am J Dis Child** 1986 Jan;140(1):78–9
Reality perceptions of television: a preliminary comparison of emotionally disturbed and nonhandicapped children. Sprafkin J, et al. **Am J Orthopsychiatry** 1986 Jan; 56(1):147–52
Air conditioning and television as protective factors in

arboviral encephalitis risk. Gahlinger PM, et al. **Am J Trop Med Hyg** 1986 May;35(3):601–10
Rikki Fulton in Scottish dental TV commercial. Smith TH. **Br Dent J** 1985 Oct 19;159(8):267
Telepsychiatry: psychiatric consultation through two-way television. A controlled study. Dongier M, et al. **Can J Psychiatry** 1986 Feb;31(1):32–4
Telepsychiatry [letter] Jerome L. **Can J Psychiatry** 1986 Jun; 31(5):489
Planned use of mass media in national health promotion: the "Keys to Health" TV program in 1982 in Finland.Puska P, et al. **Can J Public Health** 1985 Sep–Oct;76(5):336–42
Estimates of young children's time with television: a methodological comparison of parent reports with time-lapse video home observation. Anderson DR, et al. **Child Dev** 1985 Oct;56(5):1345–57
Young children's comprehension of montage. Smith R, et al. **Child Dev** 1985 Aug;56(4):962–71
The "Feelings just are" children's television project.McAbee TA, et al. **Community Ment Health J** 1986 Spring; 22(1):56–60
Color mixture thresholds measured on a color television—a new method for analysis, classification and diagnosis of neuro-ophthalmic disease. Chioran GM, et al. **Doc Ophthalmol** 1985 Nov 15;61(2):119–35
Cable television and health promotion: a feasibility study with arthritis patients. Katz D. **Health Educ Q** 1985 Winter; 12(4):379–89
The determination of x-ray exposure from cathode ray tubes: exposures not detected. Maiello ML, et al. **Health Phys** 1986 Feb;50(2):287–91
Curbing TV on the wards [letter] Leong GB. **Hosp Community Psychiatry** 1986 Jun;37(6):636
Television viewing at home: distances and visual angles of children and adults. Nathan JG, et al. **Hum Factors** 1985 Aug;27(4):467–76
ELITE: a digital dedicated hardware system for movement analysis via real-time TV signal processing. Ferrigno G, et al. **IEEE Trans Biomed Eng** 1985 Nov;32(11):943–50
Healthy, happy and wise. ISMA's public education TV series for senior citizens. Lash AM. **Indiana Med** 1985 Nov; 78(11):1026–7
Attention to television: intrastimulus effects of movement and scene changes on alpha variation over time. Reeves B, et al. **Int J Neurosci** 1985 Aug;27(3–4):241–55
Children and television. McGoldrick KE. **J Am Med Wom Assoc** 1986 Jul–Aug;41(4):99
Using low cost computer animation in a biomedical communications department. Branigan A. **J Biocommun** 1986 Winter;13(1):4–10
Evaluation of a television-tape demonstration for the reinforcement of oral hygiene instruction. Glavind L, et al. **J Clin Periodontol** 1986 Mar;13(3):201–4
Effects of television on children and adolescents. Liebert RM. **J Dev Behav Pediatr** 1986 Feb;7(1):43–8
Alcohol and soap operas: drinking in the light of day. Wallack L, et al. **J Drug Educ** 1985;15(4):365–79
The effects of television form and violent content on boys' attention and social behavior. Potts R, et al. **J Exp Child Psychol** 1986 Feb;41(1):1–17
Societal hypocrisy helps to promote teenage pregnancy. Evans TE. **J Natl Med Assoc** 1986 May;78(5):361–4
The hostile media phenomenon: biased perception and perceptions of media bias in coverage of the Beirut massacre. Vallone RP, et al. **J Pers Soc Psychol** 1985 Sep; 49(3):577–85
"Motherese" of Mr. Rogers: a description of the dialogue of educational television programs. Rice ML, et al. **J Speech Hear Disord** 1986 Aug;51(3):282–7
Effect of television programming and advertising on alcohol consumption in normal drinkers. Sobell LC, et al. **J Stud Alcohol** 1986 Jul;47(4):333–40
Emotional crises imitating television [letter] **Lancet** 1986 Apr 12;1(8485):856
Soap may seriously damage your health [letter] Ellis SJ, et al. **Lancet** 1986 Mar 22;1(8482):686
Emotional crises imitating television [letter] Fowler BP. **Lancet** 1986 May 3;1(8488):1036–7
Does watching football influence perfusion in the ischaemic foot? [letter] Jelnes R. **Lancet** 1986 Jun 28;1(8496):1507–8
Immediate and delayed recall of information presented in a live and a televised lecture. Keeble M, et al. **Med Educ** 1986 Jul;20(4):281–5
The impact of suicide in television movies. Evidence of imitation. Gould MS, et al. **N Engl J Med** 1986 Sep 11; 315(11):690–4
Clustering of teenage suicides after television news stories about suicide. Phillips DP, et al. **N Engl J Med** 1986 Sep 11;315(11):685–9
Obesity and television viewing in children and adolescents. **Nutr Rev** 1986 Jan;44(1):9
Children's television: a conflict of interests. Charren P. **Pediatr Ann** 1985 Dec;14(12):789–92
Children's television: a national disgrace. Gerbner G. **Pediatr Ann** 1985 Dec;14(12):822–3, 826–7
Children's television: its effects on nutrition and cognitive development. Palumbo FM, et al. **Pediatr Ann** 1985 Dec; 14(12):793, 796–8, 800–1
Does violent television produce aggressive children? Singer DG. **Pediatr Ann** 1985 Dec;14(12):804, 807–10 (37 ref.)
Television and adolescents. Strasburger VC. **Pediatr Ann** 1985 Dec;14(12):814–5, 818–20
Alcohol, television, and teenagers. Singer DG. **Pediatrics** 1985 Oct;76(4 Pt 2):668–74
TV and adolescents [letter] Strasburger VC. **Pediatrics** 1985 Nov;76(5):853–4
Television misrepresentation [letter] Wells BT. **Vet Rec** 1986 May 3;118(18):517–8
[Automatic generation of retinal sensitivity map using infrared fundus television images] Kawai H, et al. **Iyodenshi To Seitai Kogaku** 1985 Oct;23(6):361–7 (Eng. Abstr.) (Jpn)
[Television setup for recording the trajectory and rate of animal movement in a "open field"]Poshivalov VP, et al. **Fiziol Zh SSSR** 1986 Jun;72(6):849–51 (Rus)
[Digital x-ray television unit with solid-state memory] Petushkov AA, et al. **Med Tekh** 1985 May–Jun;(3):55–8 (Eng. Abstr.) (Rus)
[Intraoperative television x-ray cholangioscopy and cholangiography] Iurgelis AV, et al. **Sov Med** 1985; (10):91–4 (Rus)

ECONOMICS

A low cost system for computer-based cephalometric analysis. Cohen AM, et al. **Br J Orthod** 1986 Apr; 13(2):105–8

INSTRUMENTATION

Investigation of basic imaging properties in digital radiography. 7. Noise Wiener spectra of II-TV digital imaging systems. Giger ML, et al. **Med Phys** 1986 Mar–Apr;13(2):131–8
[Image enhancer-television equipment—image quality and dose] Larwin K. **Strahlenschutz Forsch Prax** 1986;27:43–7 (Ger)
[Hygienic evaluation of ceramic tile made from the wastes of kinescope manufacture] Kopelkin NF, et al. **Gig Sanit** 1985 Dec;(12):64–5 (Rus)
[VTM-5 and VTM-10 medical video-telephones] Sterlin IuG, et al. **Med Tekh** 1986 Mar–Apr;(2):51–3 (Rus)
[Use of television technology in microscopic research in forensic medicine] Solokhin AA, et al. **Sud Med Ekspert** 1986 Jan–Mar;29(1):53 (Rus)

METHODS

Endoscopic television: traditional and video endoscopy [editorial] Graham DY, et al. **Gastrointest Endosc** 1986 Feb; 32(1):49–51
CCTV in physiotherapy education—a survey of U.K. physiotherapy schools. Brockie B. **Med Teach** 1985; 7(3–4):323–31
New directions and refinements in video-enhanced microscopy applied to problems in cell motility. Allen RD. **Prog Clin Biol Res** 1985;196:3–11
Image analysis in biomedical research. Cowden RR. **Prog Clin Biol Res** 1985;196:89–101 (29 ref.)
Cable television adds new dimension to cancer education. Luciani CT. **Prog Clin Biol Res** 1986;216:263–7

TRENDS

Trends in tobacco use on television. Cruz J, et al. **Am J Public Health** 1986 Jun;76(6):698–9

TELLURIUM

[Computerized single probe system using a cadmium telluride detector] Murakami T, et al. **Radioisotopes** 1986 Jan; 35(1):20–3 (Eng. Abstr.) (Jpn)

DIAGNOSTIC USE

Tellurium-labeled fatty-acid analogs: relationship of heterotom position to myocardial kinetics. Okada RD, et al. **Eur J Nucl Med** 1985;11(5):156–61
An improved technique of intra-operative bone scanning. Szpryt EP, et al. **J Bone Joint Surg [Br]** 1986 Aug; 68(4):643–6
Local variation in cutaneous and subcutaneous blood flow measured by CdTe(Cl) minidetectors in normal and psoriatic skin. Klemp P, et al. **J Invest Dermatol** 1986 Feb; 86(2):109–14

PHARMACODYNAMICS

Tellurite susceptibility and non-plasmid-mediated resistance in Escherichia coli. Tomás JM, et al. **Antimicrob Agents Chemother** 1986 Jul;30(1):127–31
New, simple medium for selective, differential recovery of Klebsiella spp. Tomás JM, et al. **Appl Environ Microbiol** 1986 Jun;51(6):1361–3
Detection of tellurite-resistance determinants in IncP plasmids. Bradley DE. **J Gen Microbiol** 1985 Nov;131 (Pt 11):3135–7
[The effect of selenite (Na2SeO3) and tellurite (K2TeO3) on nerve tissue in culture] Grosse G, et al. **Z Mikrosk Anat Forsch** 1986;100(1):125–32 (Eng. Abstr.) (Ger)
[Use of sulfonol and potassium tellurate as microfloral inhibitors in media for the isolation of Yersinia] Serov GD. **Voen Med Zh** 1986 Apr;(4):32–3 (Rus)

TEMAZEPAM see under **BENZODIAZEPINE TRANQUILIZERS**

TEMPERAMENT see under **PERSONALITY**

TEMPERANCE

Alcohol abstinence in alcoholic liver disease. Martini GA, et al. **Acta Med Scand [Suppl]** 1985;703:185–94
Abstention in the general population of the U.S.A. Hilton ME. **Br J Addict** 1986 Feb;81(1):95–112
Moderate drinking: safety and morality [letter] Miller WR. **Can Med Assoc J** 1986 Feb 1;134(3):212–3
Abstinence improves cerebral perfusion and brain volume in alcoholic neurotoxicity without Wernicke–Korsakoff syndrome. Ishikawa Y, et al. **J Cereb Blood Flow Metab** 1986 Feb;6(1):86–94
Histological course of alcoholic hepatitis. Influence of abstinence, sex and extent of hepatic damage. Parés A, et al. **J Hepatol** 1986;2(1):33–42
Acceptability of nonabstinence treatment goals among alcoholism treatment programs. Rush BR, et al. **J Stud Alcohol** 1986 Mar;47(2):146–50

TEMPERATURE

see related
BODY TEMPERATURE
THERMOMETERS

Esterase activity in the bovine sweat gland: genetic differences and the effect of temperature. Schleger AV, et al. **Acta Anat (Basel)** 1986;125(4):229–32
Influence of temperature on the sound-evoked vestibular potential. Wit HP, et al. **Acta Otolaryngol (Stockh)** 1985 Nov–Dec;100(5–6):344–50
Contractile properties, fatiguability and glycolytic metabolism in fast- and slow-twitch rat skeletal muscles of various temperatures. Blomstrand E, et al. **Acta Physiol Scand** 1985 Oct;125(2):235–43
Influence of temperature on stimulus-secretion coupling in the sympathetic nerves and on neuromuscular transmission, in guinea-pig vas deferens. Stjärne L, et al. **Acta Physiol Scand** 1985 Oct;125(2):181–94
Temperature effects on catecholamine accumulation in neuronal and extraneuronal compartments in the cod spleen. Ungell AL. **Acta Physiol Scand** 1986 Apr; 126(4):589–92
Oxygen supply of the blood-free perfused guinea pig brain at three different temperatures. Heinrich U, et al. **Adv Exp Med Biol** 1985;191:77–84
Bifocal adds and environmental temperature. Kragha IK, et al. **Am J Optom Physiol Opt** 1986 May;63(5):372–6
Endothelial extraction of tracer water is independent of temperature in dog lungs. Chinard FP, et al. **Am J Physiol** 1986 Jun;250(6 Pt 2):H1017–21
Skeletal muscle protein synthesis and degradation in vitro: effects of temperature. Essig DA, et al. **Am J Physiol** 1985 Nov;249(5 Pt 1):C464–70
Can cultured teleost hepatocytes show temperature acclimation? Koban M. **Am J Physiol** 1986 Feb;250(2 Pt 2):R211–20
Vascular smooth muscle responsiveness in a hibernator: effects of season and temperature. Miller VM, et al. **Am J Physiol** 1986 Jan;250(1 Pt 2):R77–82
Effects of temperature and PCO2 on O2 affinity of pigeon blood: implications for brain O2 supply. Pinshow B, et al. **Am J Physiol** 1985 Dec;249(6 Pt 2):R758–64
Effect of temperature on transcapillary water movement in isolated cat hindlimb. Wolf MB, et al. **Am J Physiol** 1985 Oct;249(4 Pt 2):H792–8
Temperature dependence of the radiation inactivation of proteins. Beauregard G, et al. **Anal Biochem** 1985 Oct; 150(1):117–20
Construction of up-and-down temperature-jump apparatus. Nakatani H. **Anal Biochem** 1985 Aug 15;149(1):87–90
Rapid warming and infusion of packed red blood cells. Zorko MF, et al. **Ann Emerg Med** 1986 Aug;15(8):907–10
Circulatory responses to work at simulated altitudes under different ambient temperatures. Katsuura T. **Ann Physiol Anthropol** 1985 Apr;4(2):115–22
The lower critical temperature and native place. Sato M, et al. **Ann Physiol Anthropol** 1985 Apr;4(2):181–2
Thermal effect on uniform increase in pulmonary diffusing capacity during exercise. Yasukouchi A. **Ann Physiol Anthropol** 1985 Apr;4(2):197–8
Remarks upon the effect of temperature and dextran coated charcoal on buffer pH in steroid receptor assays. Sällström JF, et al. **Anticancer Res** 1986 Jan–Feb;6(1):105–6
Temperature-dependent surface charge modulation, membrane fluidity, and metastatic ability of L51178Y lymphoma. Sherbet GV, et al. **Anticancer Res** 1986 Jan–Feb;6(1):129–34
Incubator temperature control: effects on the very low birthweight infant. Ducker DA, et al. **Arch Dis Child** 1985 Oct;60(10):902–7
The kinetic and structural changes of the mitochondrial F1-ATPase with temperature. Baracca A, et al. **Biochem Biophys Res Commun** 1986 May 14;136(3):891–8
Effect of temperature on siderophore production by Candida albicans. Ismail A, et al. **Biochem Biophys Res Commun** 1985 Nov 15;132(3):1160–5
Influence of temperature on the binding of sodium aurothiosulphate to human serum albumin. Pedersen SM. **Biochem Pharmacol** 1986 Jul 15;35(14):2407–10
Molecular parameters and physical state of neutral

glycosphingolipids and gangliosides in monolayers at different temperatures. Fidelio GD, et al. **Biochim Biophys Acta** 1986 Jan 29;854(2):231–9

Analysis of nuclear RNA processing and transport by temperature perturbation of a cell–free system from mammalian cells. French BT, et al. **Biochim Biophys Acta** 1985 Nov 22;843(1–2):29–36

Temperature and pH dependence of the haemolytic activity of influenza virus and of the rotational mobility of the spike glycoproteins. Junankar PR, et al. **Biochim Biophys Acta** 1986 Jan 29;854(2):198–206

Effects of the temperature range and the lack of beta–ketoacyl acyl–carrier protein synthase II on fatty acid synthesis in Escherichia coli K12 after shifts in temperature. Oh–hashi Y, et al. **Biochim Biophys Acta** 1986 Mar 21; 876(1):146–53

Non–random acquisition of ethionine resistance by Chinese hamster fibroblasts. Appendix: acquisition of thermoresistance. Hill M, et al. **Biomed Pharmacother** 1986; 40(1):11–9

Temperature–dependent effects of EDTA on the membrane glycoprotein IIb–IIIa complex and platelet aggregability. Pidard D, et al. **Blood** 1986 Mar;67(3):604–11

The effect of temperature on ultrasonic images in infant cadavers. Lamont AC, et al. **Br J Radiol** 1986 Mar; 59(699):271–2

Legionnaires' disease cluster and reduction in hospital hot water temperatures. Palmer SR, et al. **Br Med J [Clin Res]** 1986 Jun 7;292(6534):1494–5

Effects of temperature acclimation on rabbit metabolic rate and rectal temperature. Oliveira SG, et al. **Braz J Med Biol Res** 1985;18(3):367–72

Temperature and histamine receptor function—what is really happening? Cook DA, et al. **Can J Physiol Pharmacol** 1985 Jun;63(6):751–5

The influence of D2O, perchlorate, and variation in temperature on the potential–dependent contractile function of frog skeletal muscle. Foulks JG, et al. **Can J Physiol Pharmacol** 1985 Jun;63(6):693–703

Temperature–dependent drug release from large unilamellar liposomes. Magin RL, et al. **Cancer Drug Deliv** 1984; 1(2):109–17

The effect of hyperthermia on glucose transport in normal and thermal–tolerant Chinese hamster ovary cells. Lecavalier D, et al. **Cancer Lett** 1985 Nov;29(2):223–31

Phosphorylation of nonhistone proteins during premature chromosome condensation in a temperature–sensitive mutant, taBN2. Yamashita K, et al. **Cell Struct Funct** 1985 Sep;10(3):259–70

Changes in ambient temperature alter the blood pressure response to endotoxin and the effectiveness of naloxone. Chen CH, et al. **Circ Shock** 1985;16(2):185–93

Stability of lactate dehydrogenase at different storage temperatures. Jacobs E, et al. **Clin Biochem** 1986 Jun; 19(3):183–8

Effects of temperature on measurement of aspartate aminotransferase and alanine aminotransferase in commercial control sera. Haftenscheid JC, et al. **Clin Chem** 1986 Jan;32(1 Pt 1):184–5

Transcutaneous carbon dioxide and oxygen tension measured at different temperatures in healthy adults. Wimberley PD, et al. **Clin Chem** 1985 Oct;31(10):1611–5

Effect of temperature on invasion of MO4 mouse fibrosarcoma cells in organ culture. Mareel MM, et al. **Clin Exp Metastasis** 1984 Apr–Jun;2(2):107–25

The effect of physiological temperature changes on the galactose elimination capacity of the isolated perfused pig liver. Winkler K, et al. **Clin Physiol** 1986 Aug;6(4):381–7

A family with mild hereditary xerocytosis showing high membrane cation permeability at low temperatures. Stewart GW, et al. **Clin Sci** 1985 Sep;69(3):309–19

Environmental problems of runners. Stanitski CL. **Clin Sports Med** 1985 Oct;4(4):725–35

In vivo protein synthesis in different tissues and the whole body of rainbow trout (Salmo gairdneri R.). Influence of environmental temperature. Fauconneau B, et al. **Comp Biochem Physiol [A]** 1985;82(1):179–87

Temperature variations in eyebank containers: comparative study of corneal transport containers and packing methods. York KK, et al. **Cornea** 1985–86;4(1):51–7

Controlled modulation of the phase separation and opacification temperature of purified bovine gamma IV–cry. ·llin. Siezen RJ, et al. **Curr Eye Res** 1985 Oct; 4(10):1071–85

Influence of temperature on the output of a mechanical coupler. Frank T, et al. **Ear Hear** 1985 Jul–Aug;6(4):206–10

Regional cooling of human nerve and slowed Na+ inactivation. Louis AA, et al. **Electroencephalogr Clin Neurophysiol** 1986 Apr;63(4):371–5

Physiological reactions to different vertical (head–foot) air temperature differences. Tanaka M, et al. **Ergonomics** 1986 Jan;29(1):131–43

Subjective comfort vote and air temperature as predictors of performance in factory workers. Meese GB, et al. **Eur J Appl Physiol** 1986;55(2):195–7

Regulation of polypeptide chain initiation and activity of initiation factor eIF–2 in Chinese–hamster–ovary cell mutants containing temperature–sensitive aminoacyl–tRNA synthetases. Austin SA, et al. **Eur J Biochem** 1986 May 15;157(1):39–47

Temperature dependence of dihydropteridine reductase activity. Randles D. **Eur J Biochem** 1986 Mar 3; 155(2):301–4

Heterogeneity of dog–liver glutathione S–transferases. Evidence for a unique temperature dependence of the catalytic process. Wiener H. **Eur J Biochem** 1986 Jun 2; 157(2):351–63

Effect of chemotherapy on tumor temperature in rats. Nickers P, et al. **Eur J Cancer Clin Oncol** 1986 Apr; 22(4):381–5

Lung function and bronchial hyperreactivity following exposure to four different temperatures and relative humidities. Schmidt A, et al. **Eur J Respir Dis [Suppl]** 1986; 143:67–73

Temperature effects on solutions of vinblastine–induced polymers assembled from brine shrimp (Artemia) tubulin. MacKinlay SA, et al. **FEBS Lett** 1986 Jul 28;203(2):301–5

ADP–induced refractoriness of platelets preserved in different temperature conditions. Lisovskaya IL, et al. **Folia Haematol (Leipz)** 1985;112(5):769–76

Temperature dependence of the dielectric properties of blood. Bielińska I, et al. **Folia Histochem Cytobiol** 1985; 23(1–2):33–42

The effect of exposure to 40 degrees on the heat production and the serum concentrations of triiodothyronine, thyroxine, and corticosterone in immature domestic fowl. Williamson RA, et al. **Gen Comp Endocrinol** 1985 Nov; 60(2):178–86

Temperature–dependent expression of the apterous phenotype in Drosophila melanogaster. Stevens ME, et al. **Genetics** 1986 Feb;112(2):217–28

Developmental temperature and life span in Drosophila melanogaster. I. Constant developmental temperature: evidence for physiological adaptation in a wide temperature range. Economos AC, et al. **Gerontology** 1986;32(1):18–27

Developmental temperature and life span in Drosophila melanogaster. II. Oscillating temperature. Economos AC, et al. **Gerontology** 1986;32(1):28–36

Effect of temperature upon potassium–stimulated insulin release and calcium entry in mouse and rat islets. Dawson CM, et al. **Horm Metab Res** 1986 Apr;18(4):221–4

Temperature–mediated processes in teleost immunity: binding and mitogenic properties of concanavalin A with channel catfish lymphocytes. Bly JE, et al. **Immunology** 1986 Jul;58(3):523–6

Effect of temperature and cell density on cellular protein content in temperature–sensitive mutants of rat 3Y1 diploid fibroblasts. Yamada K, et al. **In Vitro Cell Dev Biol** 1986 Apr;22(4):212–6

Influence of blood temperature on vascular stability during hemodialysis and isolated ultrafiltration. Maggiore Q, et al. **Int J Artif Organs** 1985 Jul;8(4):175–8

Estimation of complete temperature fields from measured transient temperatures. Clegg ST, et al. **Int J Hyperthermia** 1985 Jul–Sep;1(3):265–86

Increase of epidermal growth factor–stimulated cell–cycle progression and induction of thermotolerance by heat shock: temperature and time relationship. van Wijk R, et al. **Int J Hyperthermia** 1985 Apr–Jun;1(2):147–56

Temperature and the formation of radiation–induced chromosome aberrations. I. The effect of irradiation temperature. Gumrich K, et al. **Int J Radiat Biol** 1986 Apr; 49(4):665–72

Temperature and the formation of radiation–induced chromosome aberrations. II. The temperature dependence of lesion repair and lesion interaction. Virsik–Peuckert RP, et al. **Int J Radiat Biol** 1986 Apr;49(4):673–81

Temperature preferences for a single entrée. Brown NE, et al. **J Am Diet Assoc** 1985 Oct;85(10):1339–41

Effects of ambient temperature on the half–life and dosage regimen of amikacin in the gopher snake. Mader DR, et al. **J Am Vet Med Assoc** 1985 Dec 1;187(11):1134–6

Treatment of snakes [letter] Sedqwick CJ. **J Am Vet Med Assoc** 1986 May 15;188(10):1139–40

Cold resistance and environmental temperature preference in diarrheic piglets. Balsbaugh RK, et al. **J Anim Sci** 1986 Feb;62(2):315–26

Interaction between energy level in the diet and environmental temperature on the utilization of energy in growing pigs. Noblet J, et al. **J Anim Sci** 1985 Aug; 61(2):452–9

The effect of environmental temperature on concentrations of thyroxine and triiodothyronine after thyrotropin releasing hormone in steers. Pratt BR, et al. **J Anim Sci** 1986 May;62(5):1346–52

A model of thermal acclimation in cattle. Senft RL, et al. **J Anim Sci** 1985 Aug;61(2):297–306

Volume and density changes of biological fluids with temperature. Hinghofer–Szalkay H. **J Appl Physiol** 1985 Dec;59(6):1686–9

Energy balance in exercise–trained rats acclimated at two environmental temperatures. Richard D, et al. **J Appl Physiol** 1986 Mar;60(3):1054–9

Skeletal muscle fatigue in vitro is temperature dependent. Segal SS, et al. **J Appl Physiol** 1986 Aug;61(2):660–5

Fluorescent histochemical demonstration of catecholamines in brown adipose tissue from obese (ob/ob) and lean mice acclimated at different temperatures. Ashwell M, et al. **J Auton Nerv Syst** 1985 Dec;14(4):377–86

Temperature–pulse–induced "memory" in Bacillus subtilis macrofibers and a role for protein(s) in the left–handed–twist state. Favre D, et al. **J Bacteriol** 1985 Dec;164(3):1141–5

Kinetic studies of temperature–induced helix hand inversion in Bacillus subtilis macrofibers. Favre D, et al. **J Bacteriol** 1985 Dec;164(3):1136–40

Temperature–sensitive binding of alpha–glucans by Bacillus stearothermophilus. Ferenci T, et al. **J Bacteriol** 1986 Apr; 166(1):95–9

Entrainment and temperature dependence of the response oscillator in Halobacterium halobium. Schimz A, et al. **J Bacteriol** 1986 May;166(2):689–92

Temperature sensitivity of a nifA–like gene in Enterobacter cloacae. Zhu JB, et al. **J Bacteriol** 1986 Apr;166(1):357–9

Comparative study of the temperature profiles of growth and death of the pathogenic yeast Cryptococcus neoformans and the non–pathogenic Cryptococcus albidus. Madeira–Lopes A, et al. **J Basic Microbiol** 1986;26(1):43–7

Temperature sensitivity and substrate specificity of two distinct Na+–activated D–glucose transport systems in guinea pig jejunal brush border membrane vesicles. Brot–Laroche E, et al. **J Biol Chem** 1986 May 15; 261(14):6168–76

The two pathways for oxygen exchange by actomyosin and myofibrils and their dependence on temperature. Shukla KK, et al. **J Biol Chem** 1986 Sep 15;261(26):12141–6

Temperature dependence of the tensile properties of interspinous ligaments of sheep. Hasberry S, et al. **J Biomed Eng** 1986 Jan;8(1):62–6

Potassium–induced reverse transformation of cells infected with a temperature–sensitive transformation mutant virus. Lai CN, et al. **J Cell Physiol** 1985 Nov;125(2):259–62

Temperature effects upon the time course of contraction and re–extension in Stentor coeruleus. Nielsen LE, et al. **J Cell Physiol** 1985 Jul;124(1):146–52

Accumulation of cells with 4N DNA content at nonpermissive temperature in rat embryo diploid cells transformed by tsA mutant of simian virus 40. Okuda A, et al. **J Cell Physiol** 1986 May;127(2):303–10

Prolongation of duration of G2 arrest delays and finally blocks entry into M phase in contrast to stable and reversible G1 arrest: study of a G1/G2 temperature–sensitive mutant of rat 3Y1 fibroblasts. Zaitsu H, et al. **J Cell Physiol** 1985 Aug;124(2):177–81

Effect of seasonal temperature change on blood pressure in a treated hypertensive population. Kochar MS, et al. **J Clin Hypertens** 1985 Mar;1(1):49–52

Temperature dependence of egg laying in Aplysia brasiliana and A. californica. Pinsker HM, et al. **J Comp Physiol [B]** 1985;156(1):21–7

Effect of drinking water temperature on heat stress of dairy cows. Stermer RA, et al. **J Dairy Sci** 1986 Feb;69(2):546–51

A laboratory study to investigate the differentiation of pulp vitality in human teeth by temperature measurement. Fanibunda KB. **J Dent** 1985 Dec;13(4):295–303

Temperature effects on oxygen affinity of human fetal blood. Gilbert RD, et al. **J Dev Physiol** 1985 Oct;7(5):299–304

Temperature–sensitive mutants of the Streptomyces plasmid pIJ702. Birch AW, et al. **J Gen Microbiol** 1985 Jun;131 (Pt 6):1299–303

Patterns of sarcomere activation, temperature dependence, and effect of ryanodine in chemically skinned cardiac fibers. Lundblad A, et al. **J Gen Physiol** 1986 Jun;87(6):885–905

Thermal changes in a rabbit ear model after sympathectomy. Morgan RF, et al. **J Hand Surg [Am]** 1986 Jan;11(1):120–4

The influence of temperature and osmotic stress on the development and ecloaion of hookworm eggs. Matthews BE. **J Helminthol** 1985 Sep;59(3):217–24

Li efflux in erythrocytes of pregnant women: comparison of rates and temperature dependence for detection of hypertension. Levy R, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S477–9

Temperature sensitivity of interleukin–dependent murine T cell proliferation: Q2 mapping of the responses of peanut agglutinin–negative thymocytes. Hanson DF, et al. **J Immunol** 1985 Nov;135(5):3011–20

Micropipette aspiration of human platelets: influence of rewarming on deformability of chilled cells. Burris SM, et al. **J Lab Clin Med** 1986 Mar;107(3):238–43

Agonist–induced beta–adrenergic receptor internalization on intact human mononuclear leukocytes: effect of temperature of mononuclear leukocyte separation. De Blasi A, et al. **J Lab Clin Med** 1986 Jan;107(1):86–94

Effect of temperature on production of hypochlorous acid by stimulated human neutrophils. Severns C, et al. **J Lab Clin Med** 1986 Jan;107(1):29–35

Thermal death potentiation by amphotericin B in Cryptococcus neoformans and its dependence on pre–incubation temperature. Madeira–Lopes A. **J Med Vet Mycol** 1986 Feb;24(1):35–40

Low temperature light microscopy and its application to study freezing in aqueous solutions and biological cell suspensions. Körber C, et al. **J Microsc** 1986 Mar;141 (Pt 3):263–76

Temperatures during drilling for the placement of implants using the osseointegration technique. Eriksson RA, et al. **J Oral Maxillofac Surg** 1986 Jan;44(1):4–7

Experimental temperature rise in human hip joint in vitro in simulated walking. Tepic S, et al. **J Orthop Res** 1985; 3(4):516–20

Effect of pH and temperature on lipase and phospholipase of adult Haemonchus contortus (Nematoda: Trichostrongylidae). Kapur J, et al. **J Parasitol** 1986 Apr; 72(2):346–7

Inactivation of bile–salt–stimulated human milk esterase: effect of storage and heat. O'Connor CJ, et al.

J Pediatr Gastroenterol Nutr 1986 Jul–Aug;5(4):630–7
(–)-[3H] desmethoxyverapamil labels multiple calcium channel modulator receptors in brain and skeletal muscle membranes: differentiation by temperature and dihydropyridines. Reynolds IJ, et al.
J Pharmacol Exp Ther 1986 Jun;237(3):731–8
Effects of incubation temperature and bicarbonate on maturation of pig oocytes in vitro. Eng LA, et al.
J Reprod Fertil 1986 Mar;76(2):657–62
Blood lactate concentrations during submaximal work under differing environmental conditions. Powers SK, et al.
J Sports Med Phys Fitness 1985 Sep;25(3):84–9
Effects of pH, temperature, concentration, and time on particle counts in lipid–containing total parenteral nutrition admixtures. Bettner FS, et al.
JPEN J Parenter Enteral Nutr 1986 Jul–Aug;10(4):375–80
Studies of eye lens in poikilothermal animals. III. Long–term incubation of rainbow trout lenses. Hikida M, et al.
Jpn J Ophthalmol 1986;30(1):43–50
Effects of temperature and transfer from seawater to freshwater on blood microrheology in Pacific salmon. Kikuchi Y, et al. Jpn J Physiol 1985;35(4):683–8
Temperature monitoring in dialysis–induced hypotension. Bazzato G, et al. Kidney Int [Suppl] 1985 Dec;17:S161–5
High–frequency power source for application of temperature steps in papillary tissue. Goovaerts HG, et al.
Med Biol Eng Comput 1985 Sep;23(5):425–9
Temperature controller for brain slice chambers using a current sink output stage. Schmid K.
Med Biol Eng Comput 1985 Nov;23(6):604–6
Stability of povidone–iodine antiseptic solution stored at 37 degrees C [letter] Maloney T, et al. Med J Aust 1986 Mar 31;144(7):389
Temperature measurement and control of small volumes: applications for single channel recording. Auerbach A, et al. Methods Enzymol 1986;124:190–206
The influence of temperature on alcohol absorption rates in humans. Earll JM, et al. Milit Med 1985 Nov;150(11):612–3
Effects of temperature and membrane phase transitions on ligand binding to alpha 2–receptors of human platelets. Lohse MJ, et al. Mol Pharmacol 1986 Mar;29(3):228–34
The effect of temperature– and oxygen–acclimation on phospholipids of goldfish (Carassius auratus L.) brain mitochondria. Chang MC, et al. Neurochem Res 1985 Sep; 10(9):1231–46
The effect of hydration water temperature on orthopedic plaster cast strength. Callahan DJ, et al. Orthopedics 1986 May;9(5):683–5
Pain threshold changes induced by acute exposure to altered ambient temperatures. Schoenfeld AD, et al. Peptides 1985; 6 Suppl 1:19–22
Temperature–induced transitory and steady–state changes in the calcium current of guinea pig ventricular myocytes. Cavalié A, et al. Pflugers Arch 1985 Oct;405(3):294–6
A microscope stage temperature controller for the study of whole–cell or single–channel currents. Chabala LD, et al. Pflugers Arch 1985 Aug;404(4):374–7
The effect of temperature on the basal metabolism of cardiac muscle. Loiselle DS. Pflugers Arch 1985 Sep;405(2):163–9
The effect of temperature on Na currents in rat myelinated nerve fibres. Schwarz JR. Pflugers Arch 1986 Apr; 406(4):397–404
Effects of ambient temperature and thyroid hormones on food intake by pigs. Macari M, et al. Physiol Behav 1986; 36(6):1035–9
Influence of temperature on various mechanisms associated with neuronal growth and nerve regeneration. Cancalon P. Prog Neurobiol 1985;25(1):27–92 (555 ref.)
Sustained attention under thermal stress. Hancock PA. Psychol Bull 1986 Mar;99(2):263–81
Effect of membrane fatty acid substitution and temperature on repair of sublethal damage in mammalian cells. Wolters H, et al. Radiat Res 1985 May;102(2):206–12
The apparent pK of carbonic acid in rainbow trout blood plasma between 5 and 15 degrees C. Boutilier RG, et al. Respir Physiol 1985 Aug;61(2):237–54
Alveolar surface tensions in excised rabbit lungs: effect of temperature. Schürch S, et al. Respir Physiol 1985 Oct; 62(1):31–45
Modest effect of temperature on the porcine oxygen dissociation curve. Willford DC, et al. Respir Physiol 1986 May;64(2):113–23
BTPS correction with dynamic spirometers. Forche G, et al. Respiration 1986;49(4):274–9
Influence of pH and temperature on the luminol–dependent chemiluminescence of human polymorphonuclear leucocytes. Westman JA. Scand J Clin Lab Invest 1986 Sep;46(5):427–34
Isoamylases and their thermolability in serum and cyst fluid from patients with pancreatic pseudocysts. Kjaergaard J, et al. Scand J Gastroenterol 1985 Sep;20(7):848–50
Temperature adaptation of enzyme function in fish muscle. Johnston IA. Symp Soc Exp Biol 1985;39:95–122 (60 ref.)
Polycyclic aromatic hydrocarbon binding macromolecules. Identification, characterization and temperature activation of a 4.5 S binding nucleoprotein. Sica V, et al. Tumori 1985 Oct 31;71(5):407–18
The detection of temperature induced structural changes in T4B and T7 bacteriophages by means of high precision acoustic velocity measurements. Shilnikov GV, et al. Ultrasound Med Biol 1986 Jun;12(6):511–7
Restriction of frog virus 3 polypeptide synthesis to immediate early and delayed early species by supraoptimal temperatures. Cordier O, et al. Virology 1986 Jul 30; 152(2):355–64
Thermosensitivity of frog virus 3 genome expression: defect in early transcription. Lopez C, et al. Virology 1986 Jul 30;152(2):365–74
[The hygienic evaluation of dwelling room microclimate of the district central heating system in an urban area] Liu QC. Chung Hua Yu Fang I Hsueh Tsa Chih 1986 Jan; 20(1):3–5 (Eng. Abstr.) (Chi)
[The effect of the temperature of a milk drink on physiological indicators in the blood of calves] Skřivanová V, et al. Vet Med (Praha) 1985 Sep;30(9):543–51 (Eng. Abstr.) (Cze)
[The effect of extreme cooling and the temperature for crystallization on the quality of turkey sperm] Skrobánek P, et al. Vet Med (Praha) 1986 Jan;31(1):43–8 (Eng. Abstr.) (Cze)
[Follow–up study of Legionella pneumophila pneumonia following the raising of the hot water temperature in a Dutch hospital] van Ketel RJ, et al.
Ned Tijdschr Geneeskd 1986 Apr 26;130(17):778–81 (Eng. Abstr.) (Dut)
[Ecology of leishmaniasis in the south of France. 21. Influence of temperature on the development of Leishmania infantum Nicolle, 1908 in Phlebotomus ariasi Tonnoir, 1921. Experimental study] Rioux JA, et al.
Ann Parasitol Hum Comp 1985;60(3):221–9 (Eng. Abstr.) (Fre)
[Specificity of carp antihuman myeloma protein sera depending on the holding temperature] Richter RF.
Allerg Immunol (Leipz) 1985;31(4):295–303 (Eng. Abstr.) (Ger)
[Effect of the room environment on the condition of the human] Wegner J.
Schriftenr Ver Wasser Boden Lufthyg 1985;65:115–22 (Ger)
[Effect of the cultivation temperature on the production of biomass and lipopolysaccharide as well as the chemical composition and antigenicity of the lipopolysaccharide of S–forms and R–mutants of the genus Salmonella] Schlecht S. Zentralbl Bakteriol Mikrobiol Hyg [A] 1986 Apr; 261(2):147–60 (Eng. Abstr.) (Ger)
[Thermal comfort and aging] Tochihara Y.
Ann Physiol Anthropol 1985 Jan;4(1):87–90 (32 ref.) (Jpn)
[The problem of temperature correction of values measured by the blood gas analyzer] Sakai A, et al. Kyobu Geka 1986 Feb;39(2):108–12 (Eng. Abstr.) (Jpn)
[Effect of temperature on oxygen equilibrium curves for fresh and stored human whole blood] Mashimo T, et al.
Masui 1986 Feb;35(2):243–9 (Eng. Abstr.) (Jpn)
[Influence of temperature on the carbachol costraction of the smooth muscle of the guinea pig trachea] Ishii T, et al. Nippon Heikatsukin Gakkai Zasshi 1985 Aug; 21(4):306–8 (Jpn)
[Caloric response of the isolated semicircular canal] Ariki T. Nippon Jibiinkoka Gakkai Kaiho 1986 Mar;89(3):293–301 (Eng. Abstr.) (Jpn)
[Recommendations of the Japan Association of Industrial Health on maximum permissible exposure levels] Sangyo Igaku 1985 May;27(3):195–209 (Jpn)
[Effect of a temperature regimen on erythromycin biosynthesis] Kuznetsov LE. Antibiot Med Biotekhnol 1985 Jul;30(7):485–9 (Eng. Abstr.) (Rus)
[Microcalorimetric study of the effect of temperature on methicillin binding with human serum albumin] Markovich MN, et al. Antibiot Med Biotekhnol 1986 Jan;31(1):37–40 (Eng. Abstr.) (Rus)
[Effect of the cultivation temperature on gramicidin S biosynthesis under conditions of producer growth limitation by oxygen] Udalova TP, et al.
Antibiot Med Biotekhnol 1986 Mar;31(3):170–4 (Eng. Abstr.) (Rus)
[The effect of submillisecond temperature jump on the mechanical tension of skinned muscle fibers of the frog in a state of rigor] Bershitskiĭ SIu, et al. Biofizika 1985 Sep–Oct;30(5):868–72 (Eng. Abstr.) (Rus)
[Thermotropic changes in the conductivity of black bilayers from egg phosphatidylethanolamine] Korolev NP, et al. Biofizika 1985 Nov–Dec;30(6):1011–5 (Eng. Abstr.) (Rus)
[Effect of cultivation temperature on yeasts under unlimited growth conditions] Kaliuzhin VA, et al. Biol Nauki 1985; (8):85–9 (Eng. Abstr.) (Rus)
[Effect of a rapid shift in temperature on the turbidostat culture of yeasts] Kaliuzhin VA. Biol Nauki 1985; (10):88–92 (Eng. Abstr.) (Rus)
[Spontaneous and temperature–induced recombination in Drosophila strains with altered cAMP metabolism] Korochkina SE, et al. Dokl Akad Nauk SSSR 1985; 285(6):1454–8 (Rus)
[Human adaptation to exposure to antagonistic environmental factors] Astashin VA. Fiziol Cheloveka 1986 Mar–Apr; 12(2):330–1 (Rus)
[Effect of temperature on the adrenoreactivity of the small intestine in the rat] Ledneva IP, et al. Fiziol Zh SSSR 1985 Oct;71(10):1276–81 (Eng. Abstr.) (Rus)
[NMR study of the structural transition in the DNA–bound water system in the interval of physiological temperatures] Novikov IA, et al. Mol Biol (Mosk) 1985 Jul–Aug; 19(4):1029–33 (Eng. Abstr.) (Rus)
[Dependence of the duration of one mitotic cycle during synchronous cleavage divisions (tau o) on the temperature in 4 Rana species and the limits of the optimal temperatures for their reproduction and early development] Mazin AL, et al. Ontogenez 1985 Jul–Aug;16(4):382–8 (Eng. Abstr.) (Rus)
[Blood microcirculatory pathways in drowning in water of varying temperatures] Belov VS, et al.
Sud Med Ekspert 1985 Oct–Dec;28(4):12–5 (Eng. Abstr.) (Rus)
[Effect of the environmental temperature on the dynamics of the blood immune indices in the postmortem period] Kostylev VI. Sud Med Ekspert 1986 Jan–Mar;29(1):15–6 (Eng. Abstr.) (Rus)
[Dependence of the dynamics of the multiplication of bacteria in the genus Citrobacter on the temperature factor and on the product type in experimental contamination] Sakimbaeva SD. Vopr Pitan 1985 Jul–Aug;(4):56–9 (Eng. Abstr.) (Rus)
[Role of temperature–sensitive mutants in the natural evolution of the influenza virus] Polezhaev FI, et al.
Vopr Virusol 1986 Mar–Apr;31(2):148–52 (32 ref.) (Rus)
[Ts mutants of the Eastern equine encephalomyelitis virus. Their generation, isolation and preliminary characterization] Shablinskaia LM, et al. Vopr Virusol 1985 Sep–Oct;30(5):581–4 (Eng. Abstr.) (Rus)
[Virulence, viability and antibiotic sensitivity of the causative agent of plague growing on nutrient media at 28 and 37 degrees C] Sheremt OV, et al.
Zh Mikrobiol Epidemiol Immunobiol 1986 May;(5):53–6 (Eng. Abstr.) (Rus)
[Morphologic changes of alcoholic hepatitis after alcohol abstinence. Multivariate factorial analysis] Allende H, et al. Med Clin (Barc) 1986 Jun 7;87(2):52–4 (Eng. Abstr.) (Spa)

TEMPERATURE SENSE

Quantification of thermal sensory loss in follow up of progress in leprosy. Singh G, et al. Indian J Lepr 1985 Oct–Dec;57(4):790–5
The effects of mental imagery on skin temperature and skin temperature sensation. Kojo I. Scand J Psychol 1985; 26(4):314–20

DRUG EFFECTS

Variation in spread of analgesia and loss of temperature discrimination during intermittent postoperative epidural bupivacaine administration. Bigler D, et al.
Acta Anaesthesiol Scand 1986 May;30(4):289–92
Effect of intrathecal and subepineural capsaicin on thermal sensitivity and autotomy in rats. Russell LC, et al. Pain 1986 Apr;25(1):109–23
Menthol modulates oral sensations of warmth and cold. Green BG. Physiol Behav 1985 Sep;35(3):427–34

PHYSIOLOGY

Modification of dental pain and cutaneous thermal sensitivity by physical exercise in man. Kemppainen P, et al.
Brain Res 1985 Dec 23;360(1–2):33–40
Thermal sensitivity tester. Device for quantitative assessment of thermal sense in diabetic neuropathy. Arezzo JC, et al. Diabetes 1986 May;35(5):590–2
Polygraphic study of anterior hypothalamic–preoptic neuron thermosensitivity during sleep. Parmeggiani PL, et al.
Electroencephalogr Clin Neurophysiol 1986 Mar; 63(3):289–95
Measurement of thermal thresholds [letter] Fowler CJ.
J Neurol Neurosurg Psychiatry 1985 Oct;48(10):1070–1
Thermal discrimination thresholds in normal subjects and in patients with diabetic neuropathy [letter] Jamal GA, et al.
J Neurol Neurosurg Psychiatry 1986 Mar;49(3):335–6
Sensory involvement in motor neuron disease: further evidence from automated thermal threshold determination. Jamal GA, et al. J Neurol Neurosurg Psychiatry 1985 Sep; 48(9):906–10
An inexpensive programmable stimulator for the study of thermal sensation. Pepler JH, et al. J Neurosci Methods 1985 Oct–Nov;15(2):131–40
Hypothalamic inhibition of rat dorsal horn neuronal responses to noxious skin heating. Carstens E. Pain 1986 Apr;25(1):95–107
Unilateral thermal anaesthesia. Nisipeanu P, et al. Pain 1986 Apr;25(1):79–82
Thermal sensory decision theory indices and pain threshold in chronic pain patients and healthy volunteers. Yang JC, et al. Psychosom Med 1985 Sep–Oct;47(5):461–8

TEMPLATES

Utilization of 1,N6–etheno–2'–deoxyadenosine 5'–triphosphate during DNA synthesis on natural templates, catalyzed by DNA polymerase I of Escherichia coli. Revich GG, et al. Carcinogenesis 1986 Sep; 7(9):1569–76
The template properties of some oligodeoxynucleotides containing cytidine and guanosine. Haertle T, et al.
J Mol Evol 1986;23(2):108–12
Damage in DNA irradiated with 1.2 MHz ultrasound and its effect on template activity of DNA for RNA synthesis. Kondo T, et al. Radiat Res 1985 Dec;104(3):284–92
[Template structure and in vitro transcriptional regulation]

Matsui T. **Tanpakushitsu Kakusan Koso** 1985 Dec;30(14 Suppl):1580–9 (35 ref.) **(Jpn)**

TEMPORAL ARTERIES

Traumatic aneurysm of superficial temporal artery. Manship LL, et al. **Am Surg** 1986 Jan;52(1):49–52

[Postoperative aneurysm of the superficial temporal artery] Rousseaux M, et al. **Neurochirurgie** 1985;31(5):461–3 (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

Surgical anatomy and blood supply of the fascial layers of the temporal region. Abul-Hassan HS, et al. **Plast Reconstr Surg** 1986 Jan;77(1):17–28

INJURIES

[Pulsatile tinnitus caused by preauricular vascular lesions of traumatic origin] Boutet JJ, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(4):251–3 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Brow droop after superficial temporal artery biopsy [letter] Slavin ML. **Arch Ophthalmol** 1986 Aug;104(8):1127

[Extra–intracranial bypass operation. Morphologic studies of the feasibility of intervention and concomitant medication] Mehdorn HM. **Fortschr Med** 1986 Apr 30;104(17):353–7 (Eng. Abstr.) **(Ger)**

[Temporal arteritis] Kadoya S, et al. **Nippon Rinsho** 1985 Oct;43(10):2095–101 (34 ref.) **(Jpn)**

RADIOGRAPHY

Radiologic evaluation of extracranial to Sylvian middle cerebral artery bypass. Jack CR Jr, et al. **Surg Neurol** 1986 Oct;26(4):321–9

SURGERY

A report on the EC/IC bypass study. Hopkins M, et al. **J Neurosci Nurs** 1986 Aug;18(4):211–3

[Therapy of pulsating temporal headache. Resection of the superficial temporal artery] Hankemeier U. **Fortschr Med** 1985 Sep 19;103(35):822–4 (Eng. Abstr.) **(Ger)**

[Microneurosurgical anastomosis of the superficial temporal artery and the cortical branch of the median cerebral artery in the angiographic picture: results of follow-up examination up to 5 years after the operation] Mrówka R, et al. **Pol Tyg Lek** 1986 Mar 10;41(10):295–8 (Eng. Abstr.) **(Pol)**

TRANSPLANTATION

Posterior superficial temporal artery island flap for intra–oral reconstruction: a case report. Small JO, et al. **Br J Plast Surg** 1985 Oct;38(4):488–91

Successful transfer of "free" microvascular superficial temporal artery flap with no obvious venous drainage and use of leeches for reducing venous congestion: case report. Lim CL. **Microsurgery** 1986;7(2):87–8

TEMPORAL ARTERITIS

[Giant cell arteritis: rheumatic polymyalgia and temporal arteritis] Vilaseca J, et al. **Med Clin (Barc)** 1985 Sep 14; 85(7):290–7 (145 ref.) **(Spa)**

BLOOD

Temporal arteritis without an elevated erythrocyte sedimentation rate. Case report and review of the literature. Wong RL, et al. **Am J Med** 1986 May;80(5):959–64 (40 ref.)

Temporal arteritis with normal erythrocyte sedimentation rate [letter] Villalta J, et al. **Ann Intern Med** 1985 Nov; 103(5):808

[Horton's disease with normal sedimentation rate] Verin P, et al. **Bull Soc Ophtalmol Fr** 1985 Jun–Jul;85(6–7):833–6 (Eng. Abstr.) **(Fre)**

[Case of temporal arteritis with platelet hyperfunction] Terada H, et al. **Nippon Rinsho** 1985 Sep;43(9):1983–9 **(Jpn)**

COMPLICATIONS

Giant cell arteritis associated with mononeuritis multiplex and complement–activating 19S IgM rheumatoid factor [letter] Davison S. **Am J Med** 1986 Jul;81(1):185

Giant cell arteritis associated with mononeuritis multiplex and complement–activating 19S IgM rheumatoid factor. Feigal DW, et al. **Am J Med** 1985 Oct;79(4):495–500

Gradual loss and recovery of vision in temporal arteritis. Lipton RB, et al. **Arch Intern Med** 1985 Dec;145(12):2252–3

Carotid bifurcation aneurysm due to idiopathic granulomatous arteritis. Adiseshiah M, et al. **Br J Surg** 1986 Feb;73(2):104

Temporal arteritis in Sjögren's syndrome. Semble EL, et al. **Clin Exp Rheumatol** 1985 Oct–Dec;3(4):345–7

Bilateral sixth nerve pareses with temporal arteritis and diabetes. Jay WM, et al. **J Clin Neuro Ophthalmol** 1986 Jun;6(2):91–5

Giant cell arteritis with spinal cord infarction and basilar artery thrombosis. Gibb WR, et al. **J Neurol Neurosurg Psychiatry** 1985 Sep;48(9):945–8

Herpes zoster and cranial giant cell arteritis [letter] Mussini JM, et al. **J Rheumatol** 1985 Jun;12(3):625

Giant cell arteritis in a 20–year–old black man: a cause of intermittent calf claudication. Fiore W, et al. **J Vasc Surg** 1986 Aug;4(2):192–5

On jaw pain and blindness. Rice JR. **NC Med J** 1986 Jun; 47(6):301–3

A 77–year–old woman with giant–cell arteritis, back pain, and shock [clinical conference] **NY State J Med** 1985 Aug; 85(8):502–8

[A case of peripheral facial paralysis in Horton's disease (letter)] Bakchine S, et al. **Presse Med** 1985 Nov 23; 14(40):2062 **(Fre)**

[Hepatic localization of Horton's disease or secondary cancer of the liver. Value of ultrasonic surveillance under corticotherapy (letter)] Biel P, et al. **Presse Med** 1986 May 17;15(20):931 **(Fre)**

[Tongue necrosis in Horton's disease [letter]] Bouvier M, et al. **Presse Med** 1986 Feb 22;15(8):399 **(Fre)**

[Hemopericardium caused by ruptnre of a dystrophic aorta in Horton's disease (letter)] Brochard L, et al. **Presse Med** 1986 Mar 29;15(13):622 **(Fre)**

[Cure of diabetes by corticotherapy in Horton's disease (letter)] Grimaldi A, et al. **Presse Med** 1985 Dec 7; 14(42):2152 **(Fre)**

[Horton's disease disclosed by trismus. Role of the involvement of the internal maxillary arteries (letter)] Henriet JP, et al. **Presse Med** 1985 Nov 30;14(41):2109 **(Fre)**

[Necrosis of the tongue disclosing Horton's disease (letter)] Levy P, et al. **Presse Med** 1985 Sep 21;14(31):1670 **(Fre)**

[A 61–year–old patient with fever, weight loss, pain and sudden blood sedimentation change] Ringsgwandl G, et al. **Internist (Berlin)** 1985 Sep;26(9):592–6 **(Ger)**

[Symptomatic epilepsy in a case of giant cell arteritis] Vogl G, et al. **Nervenarzt** 1986 Mar;57(3):153–5 **(Ger)**

DIAGNOSIS

Healed dissection confused with temporal arteritis. Extensive neovascularization—a distinguishing feature. Teja K. **Am J Surg Pathol** 1985 Jun;9(6):445–9

An elderly black woman with a painful, "swollen" face. Accetta DD, et al. **Ann Allergy** 1985 Dec;55(6):771, 819–24

Aortic arch arteritis in the elderly. An important manifestation of giant cell arteritis. Perruquet JL, et al. **Arch Intern Med** 1986 Feb;146(2):289–91

Brow droop after superficial temporal artery biopsy [letter] Slavin ML. **Arch Ophthalmol** 1986 Aug;104(8):1127

Giant cell arteritis: an unusual cause of palpable masses in the breast. Stephenson TJ, et al. **Br J Surg** 1986 Feb; 73(2):105

Polymyalgia rheumatica: a rewarding diagnosis [editorial] Bennett RM. **Geriatrics** 1986 Jun;41(6):15–6

Polymyalgia rheumatica and temporal arteritis: managing older patients. Pereira M, et al. **Geriatrics** 1986 Jun; 41(6):54–5, 59–60, 63 passim

Giant cell arteritis diagnosed by carotid endarterectomy [letter] Fye KH, et al. **J Rheumatol** 1985 Jun;12(3):625–7

The giant cell arteritides: diagnosis and the role of surgery. Joyce JW. **J Vasc Surg** 1986 May;3(5):827–33

Polymyalgia rheumatica and temporal arteritis. Allen NB, et al. **Med Clin North Am** 1986 Mar;70(2):369–84 (85 ref.)

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 35–1986. A 70–year–old woman with fever of unknown origin. **N Engl J Med** 1986 Sep 4;315(10):631–9

Temporomandibular joint pain as a manifestation of temporal arteritis. Selsky EJ, et al. **South Med J** 1985 Oct; 78(10):1249–51

Giant–cell arteritis: diagnosis, therapy and implications for the primary care doctor. Romano TJ, et al. **W Va Med J** 1986 Jan;82(1):6–9

[Atypical ophthalmologic manifestations of Horton's disease: anterior segmentitis and bulbar pseudoconjunctivitis] Karsenti G, et al. **Bull Soc Ophtalmol Fr** 1985 May; 85(5):581–3 **(Fre)**

[A case of Horton's disease with atypical ocular manifestation] Mouillac–Gambarelli N, et al. **Bull Soc Ophtalmol Fr** 1985 May;85(5):585–6 **(Fre)**

[Bioclinical conference on pneumology. Hôpital Laënnec. Case no 2—4 December 1984. Pulmonary opacity associated with episcleritis and rhizomelic polyarthritis] de Cremoux H, et al. **Rev Pneumol Clin** 1986;42(2):98–103 **(Fre)**

[Horton's temporal arteritis. Clinical aspects, diagnosis and pathomechanisms] Radda TM. **Fortschr Med** 1985 Dec 12; 103(46):1073–5 (Eng. Abstr.) **(Ger)**

[Ophthalmodynamography and Doppler ultrasonography of orbital vessels in temporal arteritis] Bettelheim H, et al. **Klin Monatsbl Augenheilkd** 1985 Oct;187(4):262–4 (Eng. Abstr.) **(Ger)**

[Polymyalgia rheumatica and other forms of giant cell arteritis] Gerber NJ. **Ther Umsch** 1985 Oct;42(10):678–83 (42 ref.) (Eng. Abstr.) **(Ger)**

[Hutchinson–Horton arteritis with aortic arch syndrome and involvement of the large arterial vessels] Giorcelli W, et al. **Recenti Prog Med** 1985 Sep;76(9):452–5 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Treatment of temporal arteritis with ocular involvement. Rosenfeld SI, et al. **Am J Med** 1986 Jan;80(1):143–5

Azathioprine in giant cell arteritis/polymyalgia rheumatica: a double–blind study. De Silva M, et al. **Ann Rheum Dis** 1986 Feb;45(2):136–8

[Flaccid paraplegia of abrupt onset. Complication of corticoid treatment of Horton's disease? (letter)] Chadenas D, et al. **Presse Med** 1986 May 3;15(18):845 **(Fre)**

[Prognosis of treated temporal arteritis. Retrospective study of 87 cases] Gouet D, et al. **Presse Med** 1986 Mar 29; 15(13):603–6 (Eng. Abstr.) **(Fre)**

[Favorable outcome using indomethacin in a case of temporal arteritis] Szulc–Kuberska J, et al. **Neurol Neurochir Pol** 1986 Jan–Feb;20(1):69–71 (Eng. Abstr.) **(Pol)**

[Is cyclophosphamide useful in the treatment of giant cell arteritis? (letter)] Peña Sánchez de Rivera JM, et al. **Med Clin (Barc)** 1986 Feb 22;86(7):306 **(Spa)**

ENZYMOLOGY

[Angiotensin–converting enzyme in patients with temporal arteritis] Radda TM, et al. **Wien Klin Wochenschr** 1985 Nov 8;97(21):801–5 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Large intracranial arteritis with giant cells in systemic lupus erythematosus. Scharre D, et al. **Ann Intern Med** 1986 May; 104(5):661–2

Giant cell arteritis and polymyalgia rheumatica. Hunder GG, et al. **Clin Rheum Dis** 1985 Dec;11(3):471–83 (42 ref.)

FAMILIAL & GENETIC

Familial giant cell arteritis [letter] Novak MA, et al. **J Clin Neuro Ophthalmol** 1986 Jun;6(2):126

Familial temporal arteritis. Tanenbaum M, et al. **J Clin Neuro Ophthalmol** 1985 Dec;5(4):244–8

Giant cell arteritis in two brothers. Mathewson JA, et al. **J Rheumatol** 1986 Feb;13(1):190–2

IMMUNOLOGY

HLA–DR antigens in polymyalgia rheumatica and giant cell arteritis [letter] Gouet D, et al. **J Rheumatol** 1985 Jun; 12(3):627–8

MORTALITY

Survival in giant cell arteritis: a 14–year survey of 87 patients [letter] Gouet D, et al. **J Rheumatol** 1985 Dec;12(6):1209–10

Giant cell arteritis as a cause of death. Report of nine cases. Säve–Söderbergh J, et al. **JAMA** 1986 Jan 24–31; 255(4):493–6

OCCURRENCE

Temporal arteritis in blacks. Love DC, et al. **Ann Intern Med** 1986 Sep;105(3):387–9

[Occurrence of polymyalgia rheumatica—arteritis temporalis at a Danish county (letter)] Nørrelund N. **Ugeskr Laeger** 1986 May 19;148(21):1315 **(Dan)**

[The occurrence of rheumatic polymyalgia and temporal arteritis in a Danish county. An epidemiological study during an 11–year period] Omland O, et al. **Ugeskr Laeger** 1986 Apr 14;148(16):981–3 (Eng. Abstr.) **(Dan)**

PATHOLOGY

Temporal arteritis with giant cell aortitis, coronary arteritis, and myocardial infarction. Lie JT, et al. **Arch Pathol Lab Med** 1986 Sep;110(9):857–60

Giant cell arteritis of the uterus and adnexa. Case report. Lui IO, et al. **Br J Obstet Gynaecol** 1985 Oct;92(10):1064–6

Juvenile arteritis of extracranial arteries with hypereosinophilia. Bollinger A, et al. **Klin Wochenschr** 1986 Jun 2;64(11):526–9

Temporal arteritis. A clinicopathologic study. McDonnell PJ, et al. **Ophthalmology** 1986 Apr;93(4):518–30

Temporal arteritis–like presentation of carotid atherosclerosis. Venna N, et al. **Stroke** 1986 Mar–Apr; 17(2):325–7

[Giant cell arteritis. Differential diagnostic problems] Joffe P, et al. **Ugeskr Laeger** 1986 Apr 21;148(17):1010–3 (Eng. Abstr.) **(Dan)**

[Temporal arteritis] Kadoya S, et al. **Nippon Rinsho** 1985 Oct;43(10):2095–101 (34 ref.) **(Jpn)**

PHYSIOPATHOLOGY

Asymptomatic giant cell arteritis. Gallagher CG, et al. **Arch Intern Med** 1985 Nov;145(11):2122

Bilateral carotid siphon involvement in giant cell arteritis. Vincent FM, et al. **Neurosurgery** 1986 Jun;18(6):773–6

[Electrocardiographic changes in temporal arteritis, before and after treatment with corticoids] Villalta J, et al. **Med Clin (Barc)** 1986 Jun 7;87(2):49–51 (Eng. Abstr.) **(Spa)**

TEMPORAL BONE

see related
LABYRINTH

Acceleration levels at hearing threshold with direct bone

conduction versus conventional bone conduction. Håkansson B, et al. **Acta Otolaryngol (Stockh)** 1985 Sep-Oct;100(3-4):240-52

The bone-anchored hearing aid. Principal design and a psychoacoustical evaluation. Håkansson B, et al. **Acta Otolaryngol (Stockh)** 1985 Sep-Oct;100(3-4):229-39

Peripheral synovial sarcoma metastatic to the temporal bone. Cross JP Jr, et al. **Am J Otol** 1986 May;7(3):169-71

Rare tumors of the skull base and temporal bone. Kinney SE, et al. **Am J Otol** 1985 Nov;Suppl:135-42

Labyrinthine ossification: differences between two types of ectopic bone. Kotzias SA, et al. **Am J Otol** 1985 Nov; 6(6):490-4

Chondroblastoma of temporal bone: unusual histologic features. Anim JT, et al. **Ann Otol Rhinol Laryngol** 1986 May-Jun;95(3 Pt 1):260-3

Radiotherapy for the treatment of paragangliomas in the temporal bone. Zinreich ES, et al. **Ear Nose Throat J** 1986 Apr;65(4):181-4

Metastatic neuroblastoma in a 16-month-old child. Hensley MF. **J Am Osteopath Assoc** 1985 Aug;85(8):534-6

Facial palsy due to myeloma of the temporal bone. Shone GR. **J Laryngol Otol** 1985 Sep;99(9):907-8

Giant cell tumor of the infratemporal fossa: report of case. Cook HF, et al. **J Oral Maxillofac Surg** 1986 Aug; 44(8):651-6

Eosinophilic granuloma of the temporal bone: simultaneous bilateral involvement. Arcand P, et al. **J Otolaryngol** 1985 Dec;14(6):375-8

Spontaneous CSF otorrhea from tegmen and posterior fossa defects. Ferguson BJ, et al. **Laryngoscope** 1986 Jun; 96(6):635-44 (39 ref.)

Complications following radiation therapy to the head. Helpin ML, et al. **Oral Surg Oral Med Oral Pathol** 1986 Mar;61(3):209-12

Malignant degeneration of an epidermoid of the temporal bone. Kveton JF, et al. **Otolaryngol Head Neck Surg** 1986 Jun;94(5):633-6

Epidermoidomas of the cerebellopontine angle and temporal bone: CT and MR aspects. Latack JT, et al. **Radiology** 1985 Nov;157(2):361-6

Sarcoma of the temporal bone: report of a case. Martini A, et al. **Rev Laryngol Otol Rhinol (Bord)** 1985;106(2):127-9

[Primary melanomas in the central nervous system with peritoneal dissemination through ventriculo-peritoneal shunt. Report of an autopsy case] Tanaka Y, et al. **Neurol Med Chir (Tokyo)** 1985 Dec;25(12):1029-35 (Eng. Abstr.) **(Jpn)**

[Ossifying fibroma of the temporal bone] Kuratsu J, et al. **No Shinkei Geka** 1985 Nov;13(11):1223-6 (Eng. Abstr.) **(Jpn)**

[Characteristics of the topical diagnosis of foreign bodies in the infratemporal fossa and temporal area] Gun'ko VI, et al. **Stomatologiia (Mosk)** 1985 Jul-Aug;64(4):46-7 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Congenital cerebrospinal fluid fistulae of the petrous temporal bone. Phelps PD. **Clin Otolaryngol** 1986 Apr;11(2):79-92

Elongated and mineralized stylohyoid ligament complex: a proposed classification and report of a case of Eagle's syndrome. Langlais RP, et al. **Oral Surg Oral Med Oral Pathol** 1986 May;61(5):527-32

ANALYSIS

Possible role of peptides derived from otosclerotic bone in the mechanism of sensorineural hearing loss. Sziklai I, et al. **Acta Otolaryngol (Stockh)** 1985 Sep-Oct;100(3-4):253-9

ANATOMY & HISTOLOGY

Anatomic variations of the human semicircular canals. A radioanatomic investigation. Muren C, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Mar-Apr;27(2):157-63

Magnetic resonance imaging of the jugular foramen. Daniels DL, et al. **AJNR** 1985 Sep-Oct;6(5):699-703

An original technique for histological study of the human temporal bone. Josset P, et al. **Anat Clin** 1985;7(3):175-81

Audiological and temporal bone findings in myxedema. Parving A, et al. **Ann Otol Rhinol Laryngol** 1986 May-Jun; 95(3 Pt 1):278-83

The carotid canal in rhesus monkey (Cercopithecidae). Sikorska-Piwowska Z, et al. **Folia Morphol (Warsz)** 1985; 44(1):33-8

Stereo photography of the temporal bone. Ceparosa RJ, et al. **J Biol Photogr** 1986 Jan;54(1):29-34

Bilateral asymmetry of long arm bones and jugular foramen: implications for handedness. Glassman DM, et al. **J Forensic Sci** 1986 Apr;31(2):589-95

Variability of the styloid process and stylohyoid ligament in panoramic radiographs. Monsour PA, et al. **Oral Surg Oral Med Oral Pathol** 1986 May;61(5):522-6

Anatomical variations in relations of stapes and facial canal which affect surgery of otosclerosis. Savić D, et al. **Rev Laryngol Otol Rhinol (Bord)** 1985;106(2):105-8

[A rapid technic for preparing the temporal bone for histologic study] Dewever M, et al. **Acta Otorhinolaryngol Belg** 1985;39(5):856-62 (Eng. Abstr.) **(Fre)**

[Craniometric studies on inferior temporal line in juvenile and adult Indian skulls] Ogura S. **Nippon Ika Daigaku Zasshi** 1986 Feb;53(1):21-34 (Eng. Abstr.) **(Jpn)**

[The osseous continuation of the mastoid part of the fallopian canal] Djerić D, et al. **Srp Arh Celok Lek** 1985 Feb; 113(2):145-9 (Eng. Abstr.) **(Scc)**

CYTOLOGY

Histological observations of amniotic fluid cellular content in the ear of neonates and infants. Northrop C, et al. **Int J Pediatr Otorhinolaryngol** 1986 Apr;11(2):113-27

EMBRYOLOGY

Morphogenesis of the inner ear. Correlation between CT-findings and macrosections. Declau F, et al. **Acta Otorhinolaryngol Belg** 1985;39(4):653-70

The morphogenesis of the tympanic part of the temporal bone. Ars B, et al. **Clin Otolaryngol** 1986 Feb;11(1):9-13

GROWTH & DEVELOPMENT

Postnatal growth of the human temporal bone. Implications for cochlear implants in children. Eby TL, et al. **Ann Otol Rhinol Laryngol** 1986 Jul-Aug;95(4 Pt 1):356-64

Cochlear implantation in children: the problem of head growth. O'Donoghue GM, et al. **Otolaryngol Head Neck Surg** 1986 Jan;94(1):78-81

INJURIES

Facial reanimation after skull base trauma. May M. **Am J Otol** 1985 Nov;Suppl:62-7

Glenoid fossa fracture and facial nerve palsy. Zachariades N. **Int J Oral Surg** 1985 Dec;14(6):564-6

Arrow injury. Singh RJ, et al. **J Indian Med Assoc** 1985 Feb;83(2):65-6

Microfractures of the otic capsule. The possible role of masticatory stress. Proops DW, et al. **J Laryngol Otol** 1986 Jul;100(7):749-58

Fracture of the glenoid fossa and dislocation of the mandibular condyle into the middle cranial fossa. Copenhaver RH, et al. **J Oral Maxillofac Surg** 1985 Dec; 43(12):974-7

Fractures of the styloid process and stylohyoid ligament: an uncommon injury. McCorkell SJ. **J Trauma** 1985 Oct; 25(10):1010-2

Otogenic pneumocephalus. Andrews JC, et al. **Laryngoscope** 1986 May;96(5):521-8

Sphenotemporal buttress fracture. A report of five cases. Jend HH, et al. **Neuroradiology** 1984;26(5):411-3

Temporal bone fractures and their complications. Examination with high resolution CT. Schubiger O, et al. **Neurosurgery** 1986;28(2):93-9

Gunshot injuries of the temporal bone. Duncan NO 3d, et al. **Otolaryngol Head Neck Surg** 1986 Jan;94(1):47-55

Injury to the glenoid fossa. Rappaport NH, et al. **Plast Reconstr Surg** 1986 Feb;77(2):304-8

[Fractures of the tympanic bone] Černý L, et al. **Cesk Otolaryngol** 1986 Jan;35(1):15-9 (Eng. Abstr.) **(Cze)**

[CT diagnosis of traumatic injuries of the temporal bone] Valavanis A, et al. **Radiologe** 1986 Feb;26(2):85-90 (Eng. Abstr.) **(Ger)**

METABOLISM

Cholesterol crystals in the temporal bone and the paranasal sinuses. Niho M. **Int J Pediatr Otorhinolaryngol** 1986 Feb; 11(1):79-95

MICROBIOLOGY

Comparison of bacteria in the tympanic cavity and the mastoid antrum in chronic otitis media. Yamamoto E, et al. **Am J Otolaryngol** 1986 Jul-Aug;7(4):298-301

PATHOLOGY

Human auditory and vestibular pathology. The European Concerted Action Project. Proceedings of a workshop held in Milan on 4th-5th June 1984. **Acta Otolaryngol [Suppl] (Stockh)** 1985;423:1-96

Progress in temporal bone histopathology. I. Semithin 3-5 micron sectioning of undecalcified human temporal bone after plastic embedding. Huizing EH, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1985;423:24-8

The microslicing method in the study of temporal bone changes in the perinatal period: an interim report. Michaels L, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1985;423:9-14

Studies of human temporal bone pathologies: the NIH perspective. Naunton RF. **Acta Otolaryngol [Suppl] (Stockh)** 1985;423:5-8

Histopathological features of the spiral ganglion and cochlear nerve in temporal bones from three patients with profound hearing loss. Pollak A, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1985;423:59-66

Progress in temporal bone histopathology. II. Immuno-technology applied to the temporal bone. Veldman JE, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1985; 423:29-35

Metastatic carcinoma to the temporal bone. Feinmesser R, et al. **Am J Otol** 1986 Mar;7(2):119-20

Applications of magnetic resonance imaging in otology. Valvassori GE. **Am J Otol** 1986 Jul;7(4):262-6

Sclerosteosis involving the temporal bone: histopathologic aspects. Nager GT, et al. **Am J Otolaryngol** 1986 Jan-Feb; 7(1):1-16

A method for the histopathological analysis of the temporal bone and the eustachian tube and its accessory structures. Sando I, et al. **Ann Otol Rhinol Laryngol** 1986 May-Jun; 95(3 Pt 1):267-74

Lymphoma invading the anterior eustachian tube. Temporal bone histopathology of functional tubal obstruction. Takahara T, et al. **Ann Otol Rhinol Laryngol** 1986 Jan-Feb; 95(1 Pt 1):101-5

Metastatic seminoma of the temporal bone. Kobayashi K, et al. **Arch Otolaryngol Head Neck Surg** 1986 Jan; 112(1):102-5

Temporal bone findings in VATER syndrome. Sakai N, et al. **Arch Otolaryngol Head Neck Surg** 1986 Apr; 112(4):416-9

Type II collagen induced bone resorption in the temporal bone of rats: histological and immunohistochemical studies. Huang CC, et al. **Arch Otorhinolaryngol** 1985;242(2):183-8

Sclerotic changes around the endolymphatic sac in human temporal bones. Sakai N, et al. **Arch Otorhinolaryngol** 1985; 242(3):315-20

The pathology of idiopathic sudden sensorineural hearing loss. Schuknecht HF, et al. **Arch Otorhinolaryngol** 1986; 243(1):1-15

Malignant lymphoma in unusual areas of the head and neck: parapharyngeal space and temporal fossa. Ogasawara H, et al. **Auris Nasus Larynx** 1985;12(2):125-33

Temporal bone pathology in congenital anomalies of the oval window and the facial nerve. Saito R, et al. **Auris Nasus Larynx** 1985;12(3):139-48

How to remove, process, and study the temporal bone with the entire eustachian tube and its accessory structures: a method for histopathological study. Sando I, et al. **Auris Nasus Larynx** 1985;12 Suppl 1:S21-5

The common site for otitis media in human temporal bones--a quantitative histopathological study. Takahara T, et al. **Auris Nasus Larynx** 1985;12 Suppl 1:S173-6

Cytological and histopathological studies of otitis media with effusion. Takayama M, et al. **Auris Nasus Larynx** 1985;12 Suppl 1:S166-8

Styloid-stylohyoid syndrome: a clinical update. Monsour PA, et al. **Aust Dent J** 1985 Oct;30(5):341-5

Temporal bone involvement in Waardenburg's syndrome. Galich R. **Ear Nose Throat J** 1985 Sep;64(9):441-5

Metastatic tumours of the temporal bone. A histopathological report. Belal A Jr. **J Laryngol Otol** 1985 Sep;99(9):839-46

Paget's disease of the temporal bone [letter] **J Otolaryngol** 1985 Apr;14(2):141-2

Necrosis and sequestration in the tympanic part of the temporal bone. Bharadwaj VK, et al. **J Otolaryngol** 1984 Oct;13(5):299-304

Paget's disease and the temporal bone--a clinical and histopathological review of six temporal bones. Proops D, et al. **J Otolaryngol** 1985 Feb;14(1):20-9

Temporal bone showing polyarteritis nodosa, otosclerosis, and occult neuroma. Adkins WY, et al. **Laryngoscope** 1986 Jun;96(6):645-52

Sectioning temporal bones with disposable knives: a new and useful method. Lamey S, et al. **Laryngoscope** 1985 Nov; 95(11):1411-2

Solitary (unicameral) cysts involving the temporal bone. Nager GT. **Laryngoscope** 1986 Jun;96(6):666-74

Silent otitis media: clinical applications. Paparella MM, et al. **Laryngoscope** 1986 Sep;96(9 Pt 1):978-85

Histologic variants in otosclerosis. Schuknecht HF, et al. **Laryngoscope** 1985 Nov;95(11):1307-17

Statoconia displacement in squirrel monkey ears. Ohashi K, et al. **ORL J Otorhinolaryngol Relat Spec** 1985;47(5):242-8

[Rare diseases of the ear: fibrous dysplasia of the tympanic bone, extensive papillomatosis, ceruminoma, aspergilloma, spontaneous évidement of the tympanic bone] Despreaux G, et al. **Ann Otolaryngol Chir Cervicofac** 1985; 102(4):255-61 (Eng. Abstr.) **(Fre)**

[Anatomo-pathologic study of the temporal bone in our 4 cases of sudden infant death] Josset P, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(6):425-32 (Eng. Abstr.) **(Fre)**

[Involvement of the tympanic bone in chronic otitis (44 cases)] Perrin A, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(4):229-37 (Eng. Abstr.) **(Fre)**

[Osteoma of the temporal bone as a rare differential diagnosis of a retroauricular tumor] Ibe T, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Aug;64(8):427-9 (Eng. Abstr.) **(Ger)**

[Glossopharyngeal neuralgia due to elongation of the styloid processes] Dvorski I. **Lijec Vjesn** 1986 Jun;108(6):263-4 (Eng. Abstr.) **(Scr)**

RADIATION EFFECTS

Radiation effects on the external auditory canal. Adler M, et al. **J Otolaryngol** 1985 Aug;14(4):226-32

RADIOGRAPHY

Computed tomography of single-channel cochlear implants. Ball JB Jr, et al. **AJNR** 1986 Jan-Feb;7(1):41-7

Computed tomographic evaluation of non-metallic middle-ear prostheses. Chakeres DW, et al. **Invest Radiol** 1985 Sep;20(6):596-600

Pneumatization of the articular eminence of the temporal bone: prevalence, development, and surgical treatment. Kaugars GE, et al. **J Am Dent Assoc** 1986 Jul;113(1):55-7

The giant cholesterol cyst of the petrous apex: a distinct clinical entity. Graham MD, et al. **Laryngoscope** 1985 Nov; 95(11):1401–6

Value of CT scan in the diagnosis of temporal bone diseases in children. Zalzal GH, et al. **Laryngoscope** 1986 Jan; 96(1):27–32

The clinical significance of the elongated styloid process. Keur JJ, et al. **Oral Surg Oral Med Oral Pathol** 1986 Apr; 61(4):399–404

[Investigation on the radiological anatomy of the Runström II projection of the temporal bone] Cheng HR. **Chung Hua Fang She Hsueh Tsa Chih** 1985 Aug;19(4):225–8 (Eng. Abstr.) (Chi)

[Computerized tomography and spatial image filtration in the diagnosis of temporal bone diseases] Kossovol AL. **Vestn Otorinolaringol** 1985 Sep–Oct;(5):77–81 (63 ref.) (Rus)

[High-resolution computerized tomography and otoradiology] Crovetto de la Torre MA, et al. **An Otorrinolaringol Ibero Am** 1985;12(5):423–31 (Eng. Abstr.) (Spa)

SURGERY

Transtemporal approaches to the cranial cavity. Gardner G, et al. **Am J Otol** 1985 Nov;Suppl:114–20

Spontaneous encephalocele of the temporal bone. Kemink JL, et al. **Arch Otolaryngol Head Neck Surg** 1986 May; 112(5):558–61

Uses and modifications of the infratemporal fossa approach to skull-base tumors. Holliday MJ, et al. **Ear Nose Throat J** 1986 Mar;65(3):101–6

Temporal screw suspension for complicated midface fractures. Farole A. **J Oral Maxillofac Surg** 1986 Jun; 44(6):491–2

Experience with a polymer glenoid fossa prosthesis for partial or total temporomandibular joint reconstruction. Kent JN, et al. **J Oral Maxillofac Surg** 1986 Jul;44(7):520–33

Primary adenocarcinoma of the temporal bone with posterior fossa extension: case report. Gulya AJ, et al. **Laryngoscope** 1986 Jun;96(6):675–7

Electrophysiologic monitoring of facial nerve during temporal bone surgery. Harner SG, et al. **Laryngoscope** 1986 Jan;96(1):65–9

Primary intracranial chondrosarcoma: a report of two cases. Adegbite AB, et al. **Neurosurgery** 1985 Sep;17(3):490–4

Augmentation of the articular tubercle in treatment of chronic recurrent temporomandibular joint luxations. A preliminary case report. Randzio J, et al. **Oral Surg Oral Med Oral Pathol** 1986 Jan;61(1):19–22

Stapedectomy for the home temporal bone dissection laboratory. Farrior JB. **Otolaryngol Head Neck Surg** 1986 Apr;94(4):521–5

The temporalis myo-osseous flap: an experimental study. Antonyshyn O, et al. **Plast Reconstr Surg** 1986 Mar; 77(3):406–15

[Temporal bone approach to the retromaxillary-infracranial space and the orbit in tumor surgery] Hadjianghelou O, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Feb;65(2):46–56 (Eng. Abstr.) (Ger)

ULTRASTRUCTURE

Histopathology of otitis media with effusion: electron microscope study of human temporal bones. Tanaka K, et al. **Auris Nasus Larynx** 1985;12 Suppl 1:S177–9

TEMPORAL LOBE

Monstrocellular heavily lipidized malignant glioma. Gherardi R, et al. **Acta Neuropathol (Berl)** 1986;69(1–2):28–32

Intracerebral neuroblastoma. Report of a case with neuronal maturation and long survival. Torres LF, et al. **Acta Neuropathol (Berl)** 1985;68(2):110–4

Post-ictal gustatory hallucination, sleep related microspikes and glioma of the sylvian region: report of a case. Ambrosetto G. **Clin Electroencephalogr** 1986 Apr; 17(2):89–91

Oral prodromal signs of a central nervous system malignant neoplasm—glioblastoma multiforme: report of case. Cohen S, et al. **J Am Dent Assoc** 1986 May;112(5):643–5

Anxiety attacks in a patient with a right temporal lobe meningioma. Ghadirian AM, et al. **J Clin Psychiatry** 1986 May;47(5):270–1

Production of encephalitis restricted to the temporal lobes by experimental reactivation of herpes simplex virus. Stroop WG, et al. **J Infect Dis** 1986 Apr;153(4):721–31

Gliosarcoma with cranial penetration and extension to the maxillary sinus. Murphy MN, et al. **J Otolaryngol** 1985 Oct;14(5):313–6

Association of internal carotid aneurysm and temporal glioblastoma. De Chiara A, et al. **Neurochirurgia (Stuttg)** 1986 Mar;29(2):58–60

Electrical stimulation of Wernicke's area interferes with comprehension. Lesser RP, et al. **Neurology** 1986 May; 36(5):658–63

Subarachnoid hemorrhage from a peripheral intracranial aneurysm associated with malignant glioma: report of a case. Andrews BT, et al. **Neurosurgery** 1985 Oct; 17(4):645–9

Ipsilateral sensory symptoms [letter] Bucci MN, et al. **Neurosurgery** 1986 Mar;18(3):386

[Spatial delusion: sign of lesions of the non-dominant hemisphere] Vighetto A, et al. **Rev Neurol (Paris)** 1985; 141(6–7):476–81 (Eng. Abstr.) (Fre)

[Intracranial lipoma of the temporal lobe—report of a case and review of the literature] Kannuki S, et al. **No Shinkei Geka** 1986 Mar;14(3 Suppl):379–84 (Eng. Abstr.) (Jpn)

[A case report of intracerebral tuberculoma during antituberculous therapy] Yamamoto N, et al. **No Shinkei Geka** 1985 Sep;13(9):1007–11 (Eng. Abstr.) (Jpn)

[Morphofunctional features of the hypothalamo-hypophyseal system in experimental cerebral abscess] Talyshinskii AM, et al. **Zh Nevropatol Psikhiatr** 1985;85(12):1802–6 (Eng. Abstr.) (Rus)

["Uncinate crises" in patients with tumors in the frontotemporal region] Kovačević MS, et al. **Srp Arh Celok Lek** 1985 Nov–Dec;113(11–12):1043–8 (Eng. Abstr.) (Sec)

ABNORMALITIES

Prenatal developmental disturbances in the limbic allocortex in schizophrenics. Jakob H, et al. **J Neural Transm** 1986; 65(3–4):303–26

ANALYSIS

Brain gangliosides in the presenile dementia of Pick. Kamp PE, et al. **J Neurol Neurosurg Psychiatry** 1986 Aug; 49(8):881–5

The selectivity of the reduction of serotonin S2 receptors in Alzheimer-type dementia. Cross AJ, et al. **Neurobiol Aging** 1986 Jan–Feb;7(1):3–7

High-molecular-weight forms of somatostatin are reduced in Alzheimer's disease and Down's syndrome. Pierotti AR, et al. **Neurosci Lett** 1986 Jan 16;63(2):141–6

ANATOMY & HISTOLOGY

Left-right temporal region asymmetry in infants and children. Seidenwurm D, et al. **AJNR** 1985 Sep–Oct; 6(5):777–9

The inferior longitudinal fasciculus: a reexamination in humans and monkeys. Tusa RJ, et al. **Ann Neurol** 1985 Nov;18(5):583–91

Multiple visual areas in the caudal superior temporal sulcus of the macaque. Desimone R, et al. **J Comp Neurol** 1986 Jun 8;248(2):164–89

Cortical and subcortical afferent connections of the primate's temporal pole: a study of rhesus monkeys, squirrel monkeys, and marmosets. Markowitsch HJ, et al. **J Comp Neurol** 1985 Dec 15;242(3):425–58

Projections to the superior temporal sulcus from the central and peripheral field representations of V1 and V2. Ungerleider LG, et al. **J Comp Neurol** 1986 Jun 8; 248(2):147–63

[Efferent connections of the striatum with the Ep field of the temporal cortex in the cat] Mukhina IuK, et al. **Arkh Anat Gistol Embriol** 1986 Jul;91(7):5–13 (Eng. Abstr.) (Rus)

BLOOD SUPPLY

Optic aphasia, optic apraxia, and loss of dreaming. Peña-Casanova J, et al. **Brain Lang** 1985 Sep;26(1):63–71

A case of cerebral infarction showing periodic lateralized epileptiform discharges. Nonaka K, et al. **Folia Psychiatr Neurol Jpn** 1985;39(1):79–83

Pure word deafness: a possible explanation of transient deteriorations after extracranial-intracranial bypass grafting. Kanter SL, et al. **Neurosurgery** 1986 Feb; 18(2):186–9

[An aspect of utilization behavior: dependence on written language] Assal G. **Rev Neurol (Paris)** 1985;141(6–7):493–5 (Eng. Abstr.) (Fre)

ENZYMOLOGY

Astroglial contribution in human temporal lobe epilepsy: K+ activation of Na+,K+-ATPase in bulk isolated glial cells and synaptosomes. Grisar T, et al. **Brain Res** 1986 Jan 29; 364(1):1–11

Aromatase activity in the perinatal rat forebrain: effects of age, sex and intrauterine position. Tobet SA, et al. **Brain Res** 1985 Dec;355(2):171–8

INJURIES

[Unilateral traumatic temporal lesions and secondary involvement of the 3d cranial nerve. Role of medical treatment] Djindjian M, et al. **Neurochirurgie** 1986; 32(2):147–53 (Eng. Abstr.) (Fre)

MICROBIOLOGY

A rabbit model of focal herpes simplex encephalitis. Schlitt M, et al. **J Infect Dis** 1986 Apr;153(4):732–5

PATHOLOGY

Febrile seizures, early onset of temporal epilepsy and mesial temporal sclerosis [letter] Tugendhaft P. **Acta Neurol Scand** 1986 Jan;73(1):78–9

On areas of transition between entorhinal allocortex and temporal isocortex in the human brain. Normal morphology and lamina-specific pathology in Alzheimer's disease. Braak H, et al. **Acta Neuropathol (Berl)** 1985;68(4):325–32

Isolated senile plaque cores in Alzheimer's disease and Down's syndrome show differences in morphology. Allsop D, et al. **J Neurol Neurosurg Psychiatry** 1986 Aug; 49(8):886–92

Entrapment of the temporal horn: a form of focal obstructive hydrocephalus. Maurice-Williams RS, et al. **J Neurol Neurosurg Psychiatry** 1986 Mar;49(3):238–42

Why do frontal lobe symptoms predominate in vascular dementia with lacunes? Ishii N, et al. **Neurology** 1986 Mar; 36(3):340–5

Extraneural metastases in gliosarcoma: a case report and review of the literature. Cerame MA, et al. **Neurosurgery** 1985 Sep;17(3):413–8

PHYSIOLOGY

Visual analysis of body movements by neurones in the temporal cortex of the macaque monkey: a preliminary report. Perrett DI, et al. **Behav Brain Res** 1985 Aug; 16(2–3):153–70

Hemispheric distribution of ERP components and word naming in preschool children. Licht R, et al. **Brain Lang** 1986 Jan;27(1):101–16

Selectivity between faces in the responses of a population of neurons in the cortex in the superior temporal sulcus of the monkey. Baylis GC, et al. **Brain Res** 1985 Sep 2; 342(1):91–102

Lesion of the temporo-ammonic perforant path facilitates self-stimulation of the lateral entorhinal cortex in mice. Destrade C, et al. **Brain Res** 1985 Oct 7;344(2):377–81

The medial frontal cortex and gastric motility: microstimulation results and their possible significance for the overall pattern of organization of rat frontal and parietal cortex. Hurley-Gius KM, et al. **Brain Res** 1986 Feb 19; 365(2):241–8

Direction-specific adaptation in area MT of the owl monkey. Petersen SE, et al. **Brain Res** 1985 Oct 28;346(1):146–50

Interictal spike-wave complexes in the human medial temporal lobe: typical topography and comparisons with cognitive potentials. Altafullah I, et al. **Electroencephalogr Clin Neurophysiol** 1986 Jun; 63(6):503–16

Human medial temporal lobe potentials evoked in memory and language tasks. Smith ME, et al. **Electroencephalogr Clin Neurophysiol** 1986 Feb; 63(2):145–59

Septotemporal distribution of entorhinal projections to the hippocampus in the cat: electrophysiological evidence. Van Groen T, et al. **J Comp Neurol** 1985 Aug 1;238(1):1–9

Motion selectivity in macaque visual cortex. I. Mechanisms of direction and speed selectivity in extrastriate area MT. Mikami A, et al. **J Neurophysiol** 1986 Jun;55(6):1308–27

Motion selectivity in macaque visual cortex. II. Spatiotemporal range of directional interactions in MT and V1. Mikami A, et al. **J Neurophysiol** 1986 Jun;55(6):1328–39

Motion selectivity in macaque visual cortex. III. Psychophysics and physiology of apparent motion. Newsome WT, et al. **J Neurophysiol** 1986 Jun; 55(6):1340–51

Sign language aphasia during left-hemisphere Amytal injection. Damasio A, et al. **Nature** 1986 Jul 24–30; 322(6077):363–5

Signs of language in the brain [news] Marshall JC. **Nature** 1986 Jul 24–30;322(6077):307–8

Basal temporal language area demonstrated by electrical stimulation. Lüders H, et al. **Neurology** 1986 Apr; 36(4):505–10

Effects of simultaneous vs sequential stimulus presentation on memory performance following temporal lobe resection in humans. Tucker DM, et al. **Neuropsychologia** 1986; 24(2):277–81

Direction- and velocity-specific responses from beyond the classical receptive field in the middle temporal visual area (MT). Allman J, et al. **Perception** 1985;14(2):105–26

Temporal lobe signs: positive correlations with imaginings and hypnosis induction profiles. Persinger MA, et al. **Psychol Rep** 1986 Apr;58(2):347–50

Visual identification following inferotemporal ablation in the monkey. Gaffan D, et al. **Q J Exp Psychol [B]** 1986 Feb; 38(1):5–30

Single and concurrent discrimination learning by monkeys after lesions of inferotemporal cortex. Gaffan EA, et al. **Q J Exp Psychol [B]** 1986 Feb;38(1):31–51

[Morpho-functional characteristics of connections between the frontobasal segments of the cerebral cortex and hypothalamus in the cat] Kazakov VN, et al. **Fiziol Zh** 1986 Mar-Apr;32(2):129–37 (Eng. Abstr.) (Rus)

[Responses of neurons of the temporal association cortex of the cat brain to stimulation of the pyramidal tract] Koreniuk II, et al. **Fiziol Zh** 1986 May-Jun;32(3):272–8 (Eng. Abstr.) (Rus)

[Modulation of emotional reactions via biocontrolled readjustment of intercentral relations] Tsikunov SG, et al. **Fiziol Zh SSSR** 1986 Feb;72(2):158–63 (Eng. Abstr.) (Rus)

[Characteristics of the receptive fields of neurons of the posterior temporal area of the cortex of the cat] Manasian KA. **Zh Vysh Nerv Deiat** 1985 Nov–Dec;35(6):1118–24 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Aphasia for Morse code. Wyler AR, et al. **Brain Lang** 1986

Mar;27(2):195–8
Psychoacoustic and electrophysiologic correlates of central hearing disorders in man. Scherg M, et al. **Eur Arch Psychiatry Neurol Sci** 1986;236(1):56–60
Electrocardiographic accompaniments of temporal lobe epileptic seizures [letter] Stephenson JB. **Lancet** 1986 Jun 21;1(8495):1450

SURGERY

Surgery for epilepsy: a review. Cahan LD, et al. **Acta Neurol Scand** 1986 Jun;73(6):551–60 (74 ref.)
Temporal lobe gangliogliomas in children. Ventureyra E, et al. **Childs Nerv Syst** 1986;2(2):63–6
Classification and recall of pictures after unilateral frontal or temporal lobectomy. della Rocchetta AI. **Cortex** 1986 Jun;22(2):189–211
Panic attacks and psychomotor seizures following right temple lobectomy [letter] Wall M, et al. **J Clin Psychiatry** 1986 Apr;47(4):219
Deficits on conditional associative-learning tasks after frontal- and temporal-lobe lesions in man. Petrides M. **Neuropsychologia** 1985;23(5):601–14
Effects of simultaneous vs sequential stimulus presentation on memory performance following temporal lobe resection in humans. Tucker DM, et al. **Neuropsychologia** 1986; 24(2):277–81
[Surgical treatment of temporal lobe epilepsy (temporal lobectomy by microsurgical technic)] Mayanagi Y. **No Shinkei Geka** 1986 May;14(6):715–22 **(Jpn)**

ULTRASTRUCTURE

Ultrastructural study of early stage of calcification in herpes simplex encephalitis. Kubota T, et al. **Acta Neuropathol (Berl)** 1985;68(1):77–9

TEMPORAL MUSCLE see under **MASTICATORY MUSCLES**

TEMPORARY THRESHOLD SHIFT, AUDITORY see **AUDITORY FATIGUE**

TEMPOROMANDIBULAR JOINT

Another differential to mutism [letter] McArthur J, et al. **Ann Neurol** 1986 Aug;20(2):273–4

ABNORMALITIES

Difficult tracheal intubation as a result of unsuspected abnormality of the temporomandibular joint [letter] Tey HK. **Anaesthesia** 1986 Apr;41(4):436–7
Mechanical analysis of the malformed, yet functional, mandibular joints of a wild timber wolf, Canis lupus. Barrette C. **Arch Oral Biol** 1986;31(6):351–6

ANATOMY & HISTOLOGY

Normal and abnormal temporomandibular joints as demonstrated by magnetic resonance imaging. Kreipke DL, et al. **Acta Radiol [Diagn] (Stockh)** 1986 May–Jun; 27(3):331–3
Temporomandibular joint: computed tomographic three-dimensional reconstruction. Moaddab MB, et al. **Am J Orthod** 1985 Oct;88(4):342–52
Histological studies on the inner surfaces of the articular cavities of human temporomandibular joints with special reference to arthroscopic observations. Murakami K, et al. **Anat Anz** 1985;160(3):167–77
Temporomandibular disorders: functional and radiological considerations. Solberg WK. **Br Dent J** 1986 Mar 22; 160(6):195–200
Arthroscopy of the rabbit temporomandibular joint. Holmlund A, et al. **Int J Oral Maxillofac Surg** 1986 Apr; 15(2):170–5
Temporomandibular joint arthroscopy. Goss AN, et al. **J Oral Maxillofac Surg** 1986 Aug;44(8):614–7
The disc of the human temporomandibular joint: design, function and failure. Osborn JW. **J Oral Rehabil** 1985 Jul; 12(4):279–93
The temporomandibular joint in young adults at autopsy: a morphologic classification and evaluation. Solberg WK, et al. **J Oral Rehabil** 1985 Jul;12(4):303–21
Tooth loss, attrition and temporomandibular joint changes in a Romano-British population. Whittaker DK, et al. **J Oral Rehabil** 1985 Sep;12(5):407–19
Current concepts about the temporomandibular joint. Hansson TL. **J Prosthet Dent** 1986 Mar;55(3):370–1
Temporomandibular joint spatial relationships: osseous and soft tissues. Hatcher DC, et al. **J Prosthet Dent** 1986 Sep; 56(3):344–53
The temporomandibular joint from the viewpoint of the anatomist. Kozam G. **NY J Dent** 1986 Mar;56(2):52–3
Normal and abnormal temporomandibular joint: MR imaging with surface coil. Katzberg RW, et al. **Radiology** 1986 Jan; 158(1):183–9

GROWTH & DEVELOPMENT

Histologic comparison of the costochondral, sternoclavicular, and temporomandibular joints during growth in Macaca mulatta. Ellis E 3d, et al. **J Oral Maxillofac Surg** 1986 Apr;44(4):312–21
Unilateral ablation of the temporomandibular joint in rabbits: a study with vital staining. Hoyte DA. **Prog Clin Biol Res** 1985;187:425–38

INJURIES

Bilateral dislocations of the temporomandibular joint complicating fiberoptic bronchoscopy [letter] Kepron W. **Chest** 1986 Sep;90(3):465
Overview of computed tomography of the temporomandibular joint. Schatz SL, et al. **J Comput Tomogr** 1985 Oct;9(4):351–8
Posttraumatic extracapsular temporomandibular bony ankylosis between the coronoid process and base of the skull. Report of a case. Kreutz RW, et al. **Oral Surg Oral Med Oral Pathol** 1985 Dec;60(6):577–80
The risk of damage to facial nerve, superficial temporal vessels, disk, and articular surfaces during arthroscopic examination of the temporomandibular joint. Westesson PL, et al. **Oral Surg Oral Med Oral Pathol** 1986 Aug; 62(2):124–7
[Surgical treatment of habitual dislocation of the mandible] Temerkhanov FT, et al. **Stomatologiia (Mosk)** 1986 May–Jun;65(3):53–6 (Eng. Abstr.) **(Rus)**

INNERVATION

Distribution of substance P-like immunoreactive nerve fibers in temporomandibular joint soft tissues of monkey. Johansson AS, et al. **Scand J Dent Res** 1986 Jun; 94(3):225–32

METABOLISM

Estrogen receptors in the temporomandibular joint of the baboon (Papio cynocephalus): an autoradiographic study. Aufdemorte TB, et al. **Oral Surg Oral Med Oral Pathol** 1986 Apr;61(4):307–14

PATHOLOGY

Temporomandibular disorders: clinical significance of TMJ changes. Solberg WK. **Br Dent J** 1986 Apr 5;160(7):231–6
Temporomandibular joint arthroscopy by inferolateral approach. Murakami K, et al. **Int J Oral Maxillofac Surg** 1986 Aug;15(4):410–7
Comparative study of alloplastic materials for temporomandibular joint disc replacement in rabbits. Timmis DP, et al. **J Oral Maxillofac Surg** 1986 Jul; 44(7):541–54
Canine slope and glenoid cavity morphology: relationships with dental wear. Buyle-Bodin Y, et al. **J Prosthet Dent** 1986 Sep;56(3):312–7
The problem of temporomandibular joints in juvenile rheumatoid arthritis. Szymańska-Jagiełło W, et al. **Mater Med Pol** 1985 Jul–Sep;17(3):180–4
[Metastasis of adenocarcinoma of the breast to the temporomandibular joint (2 cases)] Sokolov AM, et al. **Vopr Onkol** 1986;32(5):95–6 **(Rus)**

PHYSIOLOGY

Reproducibility and variation of skin surface temperature over the temporomandibular joint and masseter muscle in normal individuals. Johansson A, et al. **Acta Odontol Scand** 1985 Oct;43(5):309–13
The reproducibility of the TMJ stereographic articulator. Baetz K, et al. **Aust Dent J** 1986 Apr;31(2):117–23
Skeletal remodelling in the temporomandibular joint after oblique sliding osteotomy of the mandibular rami. Eckerdal O, et al. **Int J Oral Maxillofac Surg** 1986 Jun;15(3):233–9
Sounds of TMJ [letter] **J Am Dent Assoc** 1985 Sep;111(3):402
Predicted pattern of human muscle activity during clenching derived from a computer assisted model: symmetric vertical bite forces. Osborn JW, et al. **J Biomech** 1985;18(8):599–612
Temporomandibular joint sounds related to orthodontic therapy. Sadowsky C, et al. **J Dent Res** 1985 Dec; 64(12):1392–5
A numerical model of temporomandibular joint loading. Smith DM, et al. **J Dent Res** 1986 Aug;65(8):1046–52
A technique for evaluation of centric relation tooth contacts. Part I: During normal temporomandibular joint function. Capp NJ, et al. **J Prosthet Dent** 1985 Oct;54(4):569–74
Development of mechanical and mathematic models to study temporomandibular joint loading. Hatcher DC, et al. **J Prosthet Dent** 1986 Mar;55(3):377–84
Functional state of the stomatognathic system in 5, 10 and 15 year old children in southwestern Finland. Kirveskari P, et al. **Proc Finn Dent Soc** 1986;82(1):3–8
[A study on the physiologic range of the forward movement of the condyle] Pi X. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Jul;20(4):234–5, 255 (Eng. Abstr.) **(Chi)**

PHYSIOPATHOLOGY

Abnormal function of the temporomandibular joints and related musculature. Orthodontic implications. Part I. Thompson JR. **Angle Orthod** 1986 Apr;56(2):143–63
Abnormal function of the temporomandibular joints and related musculature. Orthodontic implications. Part II. Thompson JR. **Angle Orthod** 1986 Jul;56(3):181–95
Temporomandibular joint sounds in patients with disc displacement. Eriksson L, et al. **Int J Oral Surg** 1985 Oct; 14(5):428–36
TMJ disk risk [letter] Libin BM. **J Am Dent Assoc** 1985 Nov; 111(5):712, 714
Collagen biosynthesis related to temporomandibular joint clicking in childhood [letter] Friedman MH. **J Prosthet Dent** 1985 Nov;54(5):746

RADIOGRAPHY

Tomography as an aid to detect macroscopic changes of the temporomandibular joint. An autopsy study of the aged. Rohlin M, et al. **Acta Odontol Scand** 1986 Jun;44(3):131–40
Corrected parasagittal direct CT imaging of the temporomandibular joint. With arthroscopic correlation. Ufema JW, et al. **Angle Orthod** 1986 Apr;56(2):102–17
An assessment of radiographic methods for the investigation of temporomandibular joint morphology and pathology. Richards LC, et al. **Aust Dent J** 1985 Oct;30(5):323–32
Radiographic temporomandibular joint abnormalities in patients with juvenile chronic arthritis during a controlled study of sodium aurothiomalate and D-penicillamine. Kvien TK, et al. **Br J Rheumatol** 1986 Feb;25(1):59–66
High-resolution computed tomography: Part 5. Evaluation of the temporomandibular joint. Swartz JD, et al. **Head Neck Surg** 1985 Jul–Aug;7(6):468–78
Pneumatization of the articular eminence of the temporal bone: prevalence, development, and surgical treatment. Kaugars GE, et al. **J Am Dent Assoc** 1986 Jul;113(1):55–7
Three-dimensional computed tomographic analysis of the normal temporomandibular joint. Kursunoglu S, et al. **J Oral Maxillofac Surg** 1986 Apr;44(4):257–9
Morbidity associated with temporomandibular joint arthrography in clinically normal joints. Lydiatt D, et al. **J Oral Maxillofac Surg** 1986 Jan;44(1):8–10
Absorbed radiation doses in transcranial temporomandibular joint radiography. Saini TS, et al. **J Prosthet Dent** 1986 May;55(5):621–4
Evaluation of condylar position from temporomandibular joint radiographs [letter] Williams BT. **J Prosthet Dent** 1985 Nov;54(5):745–6
Residual intracranial contrast agent. Kaugars GE, et al. **Oral Surg Oral Med Oral Pathol** 1985 Dec;60(6):679–81
Temporomandibular articulation tomography: a corrected anteroposterior and lateral cephalometric technique. Rosenberg HM, et al. **Oral Surg Oral Med Oral Pathol** 1986 Aug;62(2):198–204
Radiologic evaluation of the temporomandibular joint. Bardach M, et al. **Radiol Technol** 1986 Jan–Feb;57(3):252–6
Oblique head position in temporomandibular joint arthrography. Gillespy T 3d, et al. **Radiology** 1986 Feb; 158(2):541–3
Inferior joint space arthrography of normal temporomandibular joints: reassessment of diagnostic criteria. Kaplan PA, et al. **Radiology** 1986 Jun;159(3):585–9
Direct sagittal CT of the temporomandibular joint. Simon DC, et al. **Radiology** 1985 Nov;157(2):545
Temporomandibular joint: correlation between single-contrast videoarthrography and postmortem morphology. Westesson PL, et al. **Radiology** 1986 Sep; 160(3):767–71
[TMJDS: a dynamic study using radiographic videorecording] Ma XC. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Nov;20(6):321–5, 382 (Eng. Abstr.) **(Chi)**
[Arthrography and computerized tomography in the radiological assesment of the temporomandibular joint] Reychler H, et al. **Acta Stomatol Belg** 1986 Apr;83(1):31–8 (Eng. Abstr.) **(Fre)**
[Is the Lindblom oblique lateral X-ray picture a benefit in temporomandibular joint diagnosis? A study on the macerated skull] Jäger K, et al. **Schweiz Monatsschr Zahnmed** 1986 Mar;96(3):530–45 (Eng. Abstr.) **(Ger)**
[Arthrography of the temporomandibular joint] Sysoliatin PG, et al. **Stomatologiia (Mosk)** 1986 Jul–Aug;65(4):50–2 (Eng. Abstr.) **(Rus)**

SURGERY

Total paralysis of the forehead and eye following temporomandibular joint surgery [letter] Nicholson JO. **Am J Otol** 1985 Nov;6(6):525
Direct parasagittal computed tomography and arthroscopic surgery of the temporomandibular joint. Alpern MC, et al. **Angle Orthod** 1986 Apr;56(2):91–101
Arthroscopic surgery of the temporomandibular joint. Nuelle DG, et al. **Angle Orthod** 1986 Apr;56(2):118–42
Healing following meniscoplasty, eminectomy, and high condylectomy in the monkey temporomandibular joint. Hall MB, et al. **J Oral Maxillofac Surg** 1986 Mar; 44(3):177–82
New design for Silastic implants in temporomandibular joint surgery. Rippert ET, et al. **J Oral Maxillofac Surg** 1986 Feb;44(2):163–4
Bony ankylosis of the temporomandibular joint: follow-up of 70 patients treated with arthroplasty and acrylic spacer interposition. Sawhney CP. **Plast Reconstr Surg** 1986 Jan; 77(1):29–40
Arthroplasty of the temporomandibular joint with condylar steel prostheses. A report of two patients. Lindqvist C, et al. **Proc Finn Dent Soc** 1986;82(1):9–14
[LTI carbon-containing silica prosthesis in the total replacement of the temporomandibular joint and mandibuloplasty (report of 32 cases)] Chen ZH. **Chung Hua Kou Chiang Ko Tsa Chih** 1984 Dec;19(4):230–2 **(Chi)**

[Reconstruction of the temporomandibular joint] Chassagne JF, et al. **Ann Chir Plast Esthet** 1986;31(1):33–9 (Eng. Abstr.) (Fre)

[Reconstruction of the temporomandibular joint with a total intermediate prosthesis] Flot F, et al.
Rev Stomatol Chir Maxillofac 1985;86(5):340–7 (Eng. Abstr.) (Fre)

[Animal experiment studies of alloplastic replacement of the temporomandibular joint] Sonnenburg M, et al.
Zahn Mund Kieferheilkd 1986;74(4):330–6 (Eng. Abstr.) (Ger)

[Surgical treatment of temporomandibular joint dysfunction] Temerkhanov FT, et al. **Stomatologiia (Mosk)** 1986 Mar–Apr;65(2):46–9 (Eng. Abstr.) (Rus)

TEMPOROMANDIBULAR JOINT DISEASES

Temporomandibular disorders. **J Am Dent Assoc** 1986;Spec No:46–7

CLASSIFICATION

[A standardized method for epidemiological and clinical studies of functional temporomandibular joint diseases] Szentpétery A, et al. **Fogorv Sz** 1986 Jan;79(1):21–5 (Eng. Abstr.) (Hun)

COMPLICATIONS

Malocclusion associated with temporomandibular joint changes in young adults at autopsy. Solberg WK, et al. **Am J Orthod** 1986 Apr;89(4):326–30

Complete resorption of the mandibular condyles in rheumatoid arthritis. Ogden GR. **Br Dent J** 1986 Feb 8; 160(3):95–7

An unusual but easily treatable cause of dysphagia and dysarthria complicating stroke. Wright AJ.
Br Med J [Clin Res] 1985 Nov 16;291(6506):1412–3

Dental occlusal wear and degenerative disease of the temporomandibular joint: a correlational study utilizing skeletal material from a contemporary population. Eversole LR, et al. **J Oral Rehabil** 1985 Sep;12(5):401–6

[Difficult intubations in children] Ensel J, et al.
Cah Anesthesiol 1985 Oct;33(6):529–32 (Fre)

CONGENITAL

Congenital ankylosis of the mandible. Report of a case noted at birth. Nwoku AL, et al. **J Maxillofac Surg** 1986 Jun; 14(3):150–2

DIAGNOSIS

Normal and abnormal temporomandibular joints as demonstrated by magnetic resonance imaging. Kreipke DL, et al. **Acta Radiol [Diagn] (Stockh)** 1986 May–Jun; 27(3):331–3

Clinical, radiographic, and electromyographic study of patients with internal derangement of the temporomandibular joint. Isberg A, et al. **Am J Orthod** 1985 Dec;88(6):453–60

Internal derangements of the temporomandibular joint. I. Clinical and radiological diagnosis. Moloney F.
Aust Dent J 1985 Aug;30(4):253–9

Temporomandibular disorders: background and the clinical problems. Solberg WK. **Br Dent J** 1986 Mar 8; 160(5):157–61

Temporomandibular disorders: physical tests in diagnosis. Solberg WK. **Br Dent J** 1986 Apr 19;160(8):273–7

Temporomandibular disorders: data collection and examination. Solberg WK. **Br Dent J** 1986 May 10; 160(9):317–22

Relationship between signs and symptoms of mandibular dysfunction in adolescents. Wänman A, et al.
Community Dent Oral Epidemiol 1986 Aug;14(4):225–30

Temporomandibular joint arthroscopy by inferolateral approach. Murakami K, et al.
Int J Oral Maxillofac Surg 1986 Aug;15(4):410–7

Posterior capsulitis of the temporomandibular joint. Or S, et al. **Int J Oral Maxillofac Surg** 1986 Jun;15(3):307–12

Correspondence between subjective report of temporomandibular disorder symptoms and clinical findings. Kleinknecht RA, et al. **J Am Dent Assoc** 1986 Aug;113(2):257–61

An electronic, computerized pantographic reproducibility index for diagnosing temporomandibular joint dysfunction. Clayton JA, et al. **J Prosthet Dent** 1986 Apr;55(4):500–5

A pantographic reproducibility index for use in diagnosing temporomandibular joint dysfunction: a report on research. Clayton JA. **J Prosthet Dent** 1985 Dec;54(6):827–31

Condylar retruded contact position and intercuspal position in dentulous patients. Part II: Patients classified by anamnestic questionnaire. Rosner D, et al.
J Prosthet Dent 1986 Sep;56(3):359–68

Planar-pair local coils for high-resolution magnetic resonance imaging, particularly of the temporomandibular joint. Hyde JS, et al. **Med Phys** 1986 Jan–Feb;13(1):1–7

TMJ disease: what it is and what it is not. Scheman P.
NY State Dent J 1985 Nov;51(9):536–7, 540

Thermographic diagnosis of temporomandibular joint disease and associated neuromuscular disorders. Finney JW, et al.
Postgrad Med 1986 Mar;Spec No:93–5

The effect of dentures on the indices describing the function of the masticatory system among 58 year old men. Ylä-Urpo A, et al. **Proc Finn Dent Soc** 1986;82(1):15–9

Magnetic resonance imaging of internal derangement of the temporomandibular joint. Helms CA, et al.
Radiol Clin North Am 1986 Jun;24(2):189–92

Density of the caput mandibulae in computed tomography compared with clinical findings related to TMJ dysfunction. Raustia AM, et al. **ROFO** 1985 Oct; 143(4):408–12

Temporomandibular joint pain as a manifestation of temporal arteritis. Selsky EJ, et al. **South Med J** 1985 Oct; 78(10):1249–51

[Nuclear magnetic resonance tomography of the temporomandibular joint] König H, et al. **ROFO** 1986 May; 144(5):580–5 (Eng. Abstr.) (Ger)

[Diagnosis and treatment of temporomandibular joint arthrosis due to disordered occlusal function] Khvatova VA. **Stomatologiia (Mosk)** 1985 Nov–Dec;64(6):63–6 (Eng. Abstr.) (Rus)

DRUG THERAPY

[Effect of hydrocortisone on experimental necrosis of cartilage of the temporomandibular joint in guinea pigs] Kikiewicz D. **Ann Acad Med Stetin** 1985;31:185–96 (Eng. Abstr.) (Pol)

ETIOLOGY

Cerebral abscess and meningitis complicated by residual mandibular ankylosis. A study of the routes that spread the infection. Zachariades N, et al. **J Oral Med** 1986 Jan–Mar;41(1):14–20

Ankylosis of the temporomandibular joint from psoriatic arthritis. Kudryk WH, et al. **J Otolaryngol** 1985 Oct; 14(5):336–8

Extrinsic trauma: a significant precipitating factor in temporomandibular dysfunction. Harkins SJ, et al.
J Prosthet Dent 1985 Aug;54(2):271–2

Osseous hypomobility. Hecker R, et al.
Oral Surg Oral Med Oral Pathol 1986 Aug;62(2):135–7

Masticatory dysfunction with rigid and nonrigid osteosynthesis of sagittal split osteotomies. Timmis DP, et al. **Oral Surg Oral Med Oral Pathol** 1986 Aug;62(2):119–23

Temporomandibular joint ankylosis. Chandra P, et al.
Prog Clin Biol Res 1985;187:449–58

Clinical registration of charge transfer between dental metallic materials in patients with disorders and/or discomfort allegedly caused by corrosion. Johansson BI, et al. **Scand J Dent Res** 1986 Aug;94(4):357–63

[Late complications of a fracture of the mandibular condyle process] Carlée AW, et al. **Ned Tijdschr Geneeskd** 1985 Nov 30;129(48):2289–92 (Dut)

[The temporomandibular joint and iatrogenic fractures] Kerstens HC, et al. **Ned Tijdschr Geneeskd** 1985 Nov 30; 129(48):2314–6 (Eng. Abstr.) (Dut)

[Ankylosing temporomandibular arthritis following masseter cellulitis. 3 cases] Benatre D, et al.
Rev Stomatol Chir Maxillofac 1985;86(6):392–7 (Eng. Abstr.) (Fre)

[Degenerative and inflammatory diseases of the temporomandibular joint] Kopp S.
Schweiz Monatsschr Zahnmed 1985 Oct;95(10):950–62 (Eng. Abstr.) (Ger)

[Arthropathy due to pyrophosphate deposition as a tumor-simulating disease of the temporomandibular joint] Sailer HF, et al. **Schweiz Monatsschr Zahnmed** 1986 Apr; 96(4):594–603 (Eng. Abstr.) (Ger)

[Status of the masticatory system in children with rheumatoid arthritis] Garlicka A, et al. **Pediatr Pol** 1986 Jan;61(1):6–10 (Eng. Abstr.) (Pol)

FAMILIAL & GENETIC

[Intubation with the new ultra thin flexible fiberoptic scope in small children with congenital ankylosis of the temporomandibular joints] Kleemann PP, et al.
Anaesthesist 1985 Dec;34(12):694–7 (Eng. Abstr.) (Ger)

HISTORY

Tooth loss, attrition and temporomandibular joint changes in a Romano-British population. Whittaker DK, et al.
J Oral Rehabil 1985 Sep;12(5):407–19

METABOLISM

Estrogen receptors in the temporomandibular joint of the baboon (Papio cynocephalus): an autoradiographic study. Aufdemorte TB, et al.
Oral Surg Oral Med Oral Pathol 1986 Apr;61(4):307–14

OCCURRENCE

Prevalence of mandibular dysfunction in an urban population in Hungary. Szentpétery A, et al.
Community Dent Oral Epidemiol 1986 Jun;14(3):177–80

Occlusal relationships and temporomandibular joint dysfunction. Part I: Epidemiologic findings. de Laat A, et al. **J Prosthet Dent** 1985 Dec;54(6):835–42

Incidence of temporomandibular symptoms in patients with major skeletal malocclusions: a survey of oral and maxillofacial surgery training programs. Laskin DM, et al.
Oral Surg Oral Med Oral Pathol 1986 Jun;61(6):537–41

PATHOLOGY

Tissue reactions associated with internal derangement of the temporomandibular joint. A radiographic, cryomorphologic, and histologic study. Isberg A, et al.
Acta Odontol Scand 1986 Jun;44(3):160–4

Variations in skeletal and dental patterns in patients with structural and functional alterations of the temporomandibular joint: a preliminary report. Stringert HG, et al. **Am J Orthod** 1986 Apr;89(4):285–97

Temporomandibular disorders: clinical significance of TMJ changes. Solberg WK. **Br Dent J** 1986 Apr 5;160(7):231–6

Posterior dislocation of the temporomandibular disc. Blankestijn J, et al. **Int J Oral Surg** 1985 Oct;14(5):437–43

Osteoarthritis and internal derangement of the temporomandibular joint: a light microscopic study. de Bont LG, et al. **J Oral Maxillofac Surg** 1986 Aug; 44(8):634–43

Chondrometosis of the temporomandibular joint arising in the meniscus. Silver CM, et al. **J Oral Maxillofac Surg** 1986 Jan;44(1):70–3

Histopathology of the mandibular condyle. Richards LC, et al. **J Oral Pathol** 1985 Sep;14(8):624–30

Condylar pathology in jaw dysfunction: a semi-quantitative study. Slootweg PJ, et al. **J Oral Pathol** 1985 Oct; 14(9):690–7

The temporomandibular joint in young adults at autopsy: a morphologic classification and evaluation. Solberg WK, et al. **J Oral Rehabil** 1985 Jul;12(4):303–21

A tomographic study of mandibular condyle position in an asymptomatic population [letter] Vincelli J.
J Prosthet Dent 1986 Jan;55(1):149–50

True ankylosis of temporomandibular joint: a case report. Ling KC. **Med J Malaysia** 1985 Jun;40(2):129–31

Ultrastructure of the articular cartilage of the mandibular condyle: aging and degeneration. de Bont LG, et al.
Oral Surg Oral Med Oral Pathol 1985 Dec;60(6):631–41

[Metastasis of adenocarcinoma of the breast to the temporomandibular joint (2 cases)] Sokolov AM, et al.
Vopr Onkol 1986;32(5):95–6 (Rus)

PHYSIOPATHOLOGY

Abnormal function of the temporomandibular joints and related musculature. Orthodontic implications. Part I. Thompson JR. **Angle Orthod** 1986 Apr;56(2):143–63

Abnormal function of the temporomandibular joints and related musculature. Orthodontic implications. Part II. Thompson JR. **Angle Orthod** 1986 Jul;56(3):181–95

Temporomandibular disorders: functional and radiological considerations. Solberg WK. **Br Dent J** 1986 Mar 22; 160(6):195–200

Temporomandibular disorders: masticatory myalgia and its management. Solberg WK. **Br Dent J** 1986 May 24; 160(10):351–6

Temporomandibular joint abnormalities and bite force in a group of adults with rheumatoid arthritis. Larheim TA, et al. **J Oral Rehabil** 1985 Nov;12(6):477–82

Horizontal plane jaw movements in controls and clinic patients with temporomandibular dysfunction. Clark GT, et al. **J Prosthet Dent** 1986 Jun;55(6):730–5

Occlusal relationships and temporomandibular joint dysfunction. Part II: Correlations between occlusal and articular parameters and symptoms of TMJ dysfunction by means of stepwise logistic regression. De Laat A, et al. **J Prosthet Dent** 1986 Jan;55(1):116–21

Masseter muscle silent period in patients with internal derangement of the temporomandibular joint before and after splint therapy. Hanson B, et al. **J Prosthet Dent** 1985 Dec;54(6):846–50

The "clicking" TMJ.Tanenbaum DR, et al. **NY J Dent** 1985 Nov;55(7):247, 249, 251 passim

[Orofacial dyskinesias—a cause for the development of temporomandibular joint sounds. Development and pathology of reciprocal crackle of the temporomandibular joint] Kubein-Meesenburg D, et al.
Fortschr Kieferorthop 1985 Dec;46(6):426–41 (Eng. Abstr.) (Ger)

[Computerized analysis of jaw movements in function and dysfunction] Mongini F. **Fortschr Kieferorthop** 1985 Dec; 46(6):419–25 (Eng. Abstr.) (Ger)

RADIOGRAPHY

Corrected parasagittal direct CT imaging of the temporomandibular joint. With arthroscopic correlation. Ufema JW, et al. **Angle Orthod** 1986 Apr;56(2):102–17

An assessment of radiographic methods for the investigation of temporomandibular joint morphology and pathology. Richards LC, et al. **Aust Dent J** 1985 Oct;30(5):323–32

High-resolution computed tomography: Part 5. Evaluation of the temporomandibular joint. Swartz JD, et al.
Head Neck Surg 1985 Jul–Aug;7(6):468–78

Overview of computed tomography of the temporomandibular joint. Schatz SL, et al.
J Comput Tomogr 1985 Oct;9(4):351–8

Versatility of CT scanning for evaluation of mandibular hypomobilities. Tucker MR, et al. **J Maxillofac Surg** 1986 Apr;14(2):89–92

Pathologic evaluation of disc dysfunction and osseous abnormalities of the temporomandibular joint. Anderson QN, et al. **J Oral Maxillofac Surg** 1985 Dec;43(12):947–51

Radiographic and surgical evaluation of internal derangements of the temporomandibular joint. Delfino JJ,

et al. J Oral Maxillofac Surg 1986 Apr;44(4):260–7
Comparative radiography of artificially created mandibular condyle defects. Bashiri H, et al. J Prosthet Dent 1985 Aug; 54(2):263–71
Tomographic analysis of mandibular condyle position in diagnostic subgroups of temporomandibular disorders. Pullinger AG, et al. J Prosthet Dent 1986 Jun;55(6):723–9
Hyperplastic soft-tissue formation in the temporomandibular joint associated with internal derangement. A radiographic and histologic study. Isberg A, et al.
Oral Surg Oral Med Oral Pathol 1986 Jan;61(1):32–8
Splint therapy evaluation with direct sagittal computed tomography. Manco LG, et al.
Oral Surg Oral Med Oral Pathol 1986 Jan;61(1):5–11
Internal derangements of the temporomandibular joint evaluated with direct sagittal CT: a prospective study. Manco LG, et al. Radiology 1985 Nov;157(2):407–12
[Is the Lindblom oblique lateral X-ray picture a benefit in temporomandibular joint diagnosis? A study on the macerated skull] Jäger K, et al.
Schweiz Monatsschr Zahnmed 1986 Mar;96(3):530–45 (Eng. Abstr.) (Ger)

RADIONUCLIDE IMAGING

Internal derangements of the temporomandibular joint. II. Use of bone scanning as an aid to diagnosis. Ryan DE, et al. Aust Dent J 1985 Oct;30(5):349–54

SURGERY

Arthroscopic surgery of the temporomandibular joint. Nuelle DG, et al. Angle Orthod 1986 Apr;56(2):118–42
Alloplastic reconstruction of the temporomandibular joint. Moriconi ES, et al. Dent Clin North Am 1986 Apr; 30(2):307–25
Temporal augmentation in bilateral habitual dislocation of the temporomandibular joint. Varma AK.
Int J Oral Maxillofac Surg 1986 Apr;15(2):187–9
Total temporomandibular joint replacement in a patient with rheumatoid arthritis: report of case. Stern NS, et al.
J Am Dent Assoc 1986 Apr;112(4):491–5
Treatment of unilateral ankylosis of the temporo-mandibular joint when a class II skeletal relationship exists. Egyedi P, et al. J Maxillofac Surg 1985 Oct;13(5):218–23
Chondro-osseous iliac crest graft for one stage reconstruction of the ankylosed TMJ in children. Kummoona R.
J Maxillofac Surg 1986 Aug;14(4):215–20
Autogenous costochondral grafts in temporo-mandibular joint arthroplasty. A survey of 66 arthroplasties in 60 patients. Lindqvist C, et al. J Maxillofac Surg 1986 Jun; 14(3):143–9
Free vascularized whole joint transplant for reconstruction of the temporomandibular joint: a preliminary case report. Dattilo DJ, et al. J Oral Maxillofac Surg 1986 Mar; 44(3):227–9
Experience with a polymer glenoid fossa prosthesis for partial or total temporomandibular joint reconstruction. Kent JN, et al. J Oral Maxillofac Surg 1986 Jul;44(7):520–33
A case of pseudoankylosis between the pterygoid plate and mandible. Super S, et al. J Oral Maxillofac Surg 1986 Jun; 44(6):467–8
Diskectomy in the treatment of anterior disk displacement of the temporomandibular joint. A clinical and radiologic one-year follow-up study. Eriksson L, et al.
J Prosthet Dent 1986 Jan;55(1):106–16
Deterioration of temporary silicone implant in the temporomandibular joint: a clinical and arthroscopic follow-up study. Eriksson L, et al.
Oral Surg Oral Med Oral Pathol 1986 Jul;62(1):2–6
Rheumatoid disease and related arthropathies. II. Surgical rehabilitation of the temporomandibular joint. Kent JN, et al. Oral Surg Oral Med Oral Pathol 1986 May; 61(5):423–39
Augmentation of the articular tubercle in treatment of chronic recurrent temporomandibular joint luxations. A preliminary case report. Randzio J, et al.
Oral Surg Oral Med Oral Pathol 1986 Jan;61(1):19–22
Simultaneous total correction of temporomandibular ankylosis and facial asymmetry. Munro IR, et al.
Plast Reconstr Surg 1986 Apr;77(4):517–29
Bony ankylosis of the temporomandibular joint: follow-up of 70 patients treated with arthroplasty and acrylic spacer interposition. Sawhney CP. Plast Reconstr Surg 1986 Jan; 77(1):29–40
[One stage surgical correction of true ankylosis of the TMJ complicated by severe respiratory disturbances] Qiu WL.
Chung Hua Kou Chiang Ko Tsa Chih 1985 May;20(3):154–6, 191 (Eng. Abstr.) (Chi)
[Reconstruction of the temporomandibular joint] Chassagne JF, et al. Ann Chir Plast Esthet 1986;31(1):33–9 (Eng. Abstr.) (Fre)
[Surgical jaw and face implications in diseases of the rheumatic group] Reich RH, et al.
Fortschr Kiefer Gesichtschir 1986;31:168–72 (Ger)
[Nasotracheal intubation using a fiber-optic bronchoscope on patients with temporomandibular pathology] Comelli LF, et al. Minerva Stomatol 1986 Apr;35(4):365–72 (Eng. Abstr.) (Ita)
[General anesthesia in the surgical patient with temporomandibular ankylosis] Canavea I, et al.
Rev Chir [Chir] 1986 May-Jun;35(3):233–40 (Eng. Abstr.) (Rum)
[Surgical treatment of temporomandibular joint dysfunction] Temerkhanov FT, et al. Stomatologiia (Mosk) 1986 Mar-Apr;65(2):46–9 (Eng. Abstr.) (Rus)

THERAPY

A jaw exerciser for fibrous ankylosis of the temporomandibular joint. Darveniza M, et al.
Aust Dent J 1985 Dec;30(6):418–22
Internal derangement of the TM joint [letter] Gerke DC.
Aust Dent J 1986 Apr;31(2):143–4
Internal derangements of the temporomandibular joint. III. Anterior repositioning splint therapy. Moloney F, et al.
Aust Dent J 1986 Feb;31(1):30–9
Physiotherapy in the management of temporomandibular disorders. Selby A. Aust Dent J 1985 Aug;30(4):273–80
Long-standing mandibular dislocations: report of a case, review of the literature. el-Attar A, et al. Br Dent J 1986 Feb 8;160(3):91–4
'Temporomandibular disorders: management of internal derangement' [letter] Jagger RG. Br Dent J 1986 Aug 9; 161(3):89
Temporomandibular disorders: management of internal derangement. Solberg WK. Br Dent J 1986 Jun 7; 160(11):379–85 (29 ref.)
Temporomandibular disorders: management of problems associated with inflammation, chronic hypomobility, and deformity. Solberg WK. Br Dent J 1986 Jun 21; 160(12):421–8
The Dautrey procedure—a case for reassessment. Revington PJ. Br J Oral Maxillofac Surg 1986 Jun;24(3):217–20
Unnecessary dental treatment of headache patients [letter] Headache 1986 Mar;26(3):151–4
Protracted dislocation of the temporomandibular joint. Wijmenga JP, et al. Int J Oral Maxillofac Surg 1986 Aug; 15(4):380–8
TM evaluation clarified [letter] Glass AJ.
J Am Dent Assoc 1986 Jul;113(1):12
Patient response to surgical and nonsurgical treatment for internal derangement of the temporomandibular joint. Benson BJ, et al. J Oral Maxillofac Surg 1985 Oct; 43(10):770–7
Management of arthrogryposis multiplex congenita. A case report. Sakamoto FO, et al. J Periodontol 1985 Nov; 56(11):694–8
Protrusive positioners. Fox CW, et al. J Prosthet Dent 1985 Aug;54(2):258–62
Recommended chewing side with an anterior repositioning splint. Ito T, et al. J Prosthet Dent 1986 May;55(5):610–4
Effect of occlusal adjustment on globus symptom. Kirveskari P, et al. J Prosthet Dent 1985 Dec;54(6):832–5
Occlusal changes following use of soft occlusal splints. Singh BP, et al. J Prosthet Dent 1985 Nov;54(5):711–5
Factors influencing the outcome of treatment in patients referred to a temporomandibular joint clinic. Wedel A, et al. J Prosthet Dent 1985 Sep;54(3):420–6
Predicting treatment completion in a behavioral therapy program for chronic temporomandibular pain. Funch DP, et al. J Psychosom Res 1986;30(1):57–62
Arthrographically assisted splint therapy: painful clicking with a nonreducing meniscus. Tallents RH, et al.
Oral Surg Oral Med Oral Pathol 1986 Jan;61(1):2–4
Rheumatoid disease and related arthropathies. I. Systemic findings, medical therapy, and peripheral joint surgery. Zide MF, et al. Oral Surg Oral Med Oral Pathol 1986 Feb; 61(2):119–25
Flow rate, pH and buffer capacity of whole saliva before and after treatment of TMJ dysfunction. Le Bell Y, et al. Proc Finn Dent Soc 1985;81(4):226–9
[Combined treatment of temporomandibular joint dysfunction in patients with an open bite and habitual lateral occlusion] Petrosov IuA, et al.
Stomatologiia (Mosk) 1986 Jul-Aug;65(4):60–2 (Eng. Abstr.) (Rus)

TEMPOROMANDIBULAR JOINT SYNDROME

Diagnosis and treatment of myofacial pain-dysfunction (MPD) syndrome. Laskin DM, et al. J Prosthet Dent 1986 Jul;56(1):75–84 (32 ref.)
Temporomandibular joint dysfunction syndrome in children. Given BK, et al. J Sch Health 1986 Mar;56(3):86–9

CLASSIFICATION

[Classification of TMJ syndrome] Ma XC.
Chung Hua Kou Chiang Ko Tsa Chih 1985 Jul;20(4):208–10, 254 (Eng. Abstr.) (Chi)
[A standardized method for epidemiological and clinical studies of functional temporomandibular joint diseases] Szentpétery A, et al. Fogorv Sz 1986 Jan;79(1):21–5 (Eng. Abstr.) (Hun)

COMPLICATIONS

Mandibular dysfunction in children with otalgia. Thorburn DN, et al. NZ Dent J 1985 Jul;81(365):89–93
Mandibular dysfunction and headache. Forssell H.
Proc Finn Dent Soc 1985;81 Suppl 1–2:1–91
[Headache in relation to masticatory system disorders] Forssell H. Proc Finn Dent Soc 1986;82(1):35–8 (Eng. Abstr.) (Fin)

DIAGNOSIS

Mandibular dysfunction in adolescents. II. Prevalence of signs. Wänman A, et al. Acta Odontol Scand 1986 Feb; 44(1):55–62
The coexistence of myofascial pain dysfunction and mucoepidermoid carcinoma of the parotid gland: report of case. Kaplan AS, et al. J Am Dent Assoc 1986 Apr; 112(4):495–6
Condylar metastasis with initial presentation as TMJ syndrome. Owen DG, et al. J Oral Med 1985 Oct-Dec; 40(4):198–201
Electronic PRI consistency in diagnosing temporomandibular joint dysfunction. Beard CC, et al. J Prosthet Dent 1986 Feb;55(2):255–9
Myofascial pain-dysfunction: subjective signs and symptoms. Hijzen TH, et al. J Prosthet Dent 1985 Nov;54(5):705–11
Discriminative ability of the TMJ scale: age and gender differences. Lundeen TF, et al. J Prosthet Dent 1986 Jul; 56(1):84–92
Normal and abnormal temporomandibular joint: MR imaging with surface coil. Katzberg RW, et al. Radiology 1986 Jan; 158(1):183–9
Densities and sizes of the main masticatory muscles in computed tomography compared with clinical findings related to temporomandibular joint (TMJ) dysfunction. Raustia AM, et al. ROFO 1986 Mar;144(3):327–31
[Electromyography in subjects with complete denture and approach to the functional evaluation of dental prosthesis] Danhiez P, et al.
Bull Group Int Rech Sci Stomatol Odontol 1985 Oct; 28(3):177–85 (Eng. Abstr.) (Fre)
[Electromyography in the study of temporomandibular joint dysfunction syndromes] Danhiez P, et al.
Bull Group Int Rech Sci Stomatol Odontol 1985 Oct; 28(3):187–96 (Eng. Abstr.) (Fre)
[The temporomandibular joint pain-dysfunction syndrome: clinical and radiologic correlates] Klaus E, et al.
Rev Med Suisse Romande 1986 May;106(5):399–407 (Fre)
[Nuclear magnetic resonance tomography of the temporomandibular joint. Comparison with computerized tomography and arthrography] Katzberg RW, et al.
ROFO 1986 Jul;145(1):38–43 (Eng. Abstr.) (Ger)
[Mandibular joint pain—a soft tissue rheumatic disease?] Pöllmann L. Z Rheumatol 1985 Jul-Aug;44(4):157–9 (Eng. Abstr.) (Ger)
[Costen's syndrome] Petrosov IuA. Stomatologiia (Mosk) 1985 Sep-Oct;64(5):52–5 (Eng. Abstr.) (Rus)

ETIOLOGY

Mandibular dysfunction related to dental filling therapy. A comparative anamnestic and clinical study. Kampe T, et al. Acta Odontol Scand 1986 Apr;44(2):113–21
Re: Temporomandibular joint dysfunction [letter] Vincelli J. Am J Orthod 1985 Dec;88(6):519–21
A neurophysiological approach to the pathology and aetiology of temporomandibular dysfunction. Yemm R.
J Oral Rehabil 1985 Jul;12(4):343–53
Myofascial pain associated with oropharyngeal cancer. Roistacher SL, et al. Oral Surg Oral Med Oral Pathol 1986 May;61(5):459–62
[The role of condyle position and occlusion in the temporomandibular joint dysfunction syndrome] Wang YY. Chung Hua Kou Chiang Ko Tsa Chih 1985 Sep; 20(5):270–3, 318 (Eng. Abstr.) (Chi)

OCCURRENCE

Mandibular dysfunction in adolescents. I. Prevalence of symptoms. Wänman A, et al. Acta Odontol Scand 1986 Feb; 44(1):47–54
Dental and social effects of malocclusion and effectiveness of orthodontic treatment: a strategy for investigation. Shaw WC, et al. Community Dent Oral Epidemiol 1986 Feb; 14(1):60–4
[Prevalence of TMJ syndrome in young adults] He S.
Chung Hua Kou Chiang Ko Tsa Chih 1985 Sep;20(5):301–4 (Chi)
[Epidemiology of temporomandibular pain-dysfunction syndrome studied in dental students] Szentpétery A, et al. Fogorv Sz 1986 Jul;79(7):193–8 (Eng. Abstr.) (Hun)

PATHOLOGY

Current concepts about the temporomandibular joint. Hansson TL. J Prosthet Dent 1986 Mar;55(3):370–1

PHYSIOPATHOLOGY

Excitatory response of jaw elevators associated with sudden discomfort during chewing. Stohler CS, et al.
J Oral Rehabil 1986 May;13(3):225–33
A four-year follow-up, by means of a questionnaire, of patients with functional disturbances of the masticatory system. Wedel A, et al. J Oral Rehabil 1986 Mar; 13(2):105–13
The activity of jaw elevator muscles during peanut chewing in patients with temporomandibular joint and muscle pain dysfunction syndrome. Shiau YY, et al.
Proc Natl Sci Counc Repub China [B] 1986 Jan;10(1):57–63
Antagonistic muscle stiffness and associated reflex behaviour in the pain-dysfunctional state. Stohler C, et al.
Schweiz Monatsschr Zahnmed 1985 Aug;95(8):719–26

[Temporomandibular joint pain dysfunction syndrome. An analysis of the characteristics of the interocclusal distance in 187 patients] Boschiero R, et al. **Minerva Stomatol** 1986 Apr;35(4):339–56 (Eng. Abstr.) **(Ita)**

PSYCHOLOGY

An investigation of the stress factor in the mandibular dysfunction syndrome. Geissler PR. **J Dent** 1985 Dec; 13(4):283–7

RADIOGRAPHY

Examination of the temporomandibular joint by direct sagittal computed tomography. Raustia AM, et al. **Clin Radiol** 1985 May;36(3):291–6

[TMJDS: a dynamic study using radiographic videorecording] Ma XC. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Nov;20(6):321–5, 382 (Eng. Abstr.) **(Chi)**

[Enthesopathic hyperostosis of the pterygoid fossa: an early roentgenologic finding in temporomandibular dysfunction syndrome] Szántó D, et al. **Orv Hetil** 1986 Jul 13; 127(28):1683–6 (Eng. Abstr.) **(Hun)**

REHABILITATION

[Rehabilitative treatment in the temporomandibular pain–dysfunction syndrome] Bilotta TW, et al. **Minerva Stomatol** 1986 Jun;35(6):651–5 (Eng. Abstr.) **(Ita)**

[Control of muscular hyperfunction and motor rehabilitation in the pain–dysfunction syndrome of the temporomandibular joint] Capurso U. **Minerva Stomatol** 1985 Nov–Dec;34(6):899–903 (Eng. Abstr.) **(Ita)**

SURGERY

Direct parasagittal computed tomography and arthroscopic surgery of the temporomandibular joint. Alpern MC, et al. **Angle Orthod** 1986 Apr;56(2):91–101

Temporomandibular joint syndrome. Surgical correction and patient care. Hendrickson PA. **AORN J** 1986 Jun; 43(6):1252–67

THERAPY

Bite plates and stabilization splints in mandibular dysfunction. A clinical and electromyographic comparison. Dahlström L, et al. **Acta Odontol Scand** 1985 May;43(2):109–14

Effect of occlusal adjustment on mandibular dysfunction. A double-blind study. Forssell H, et al. **Acta Odontol Scand** 1986 Apr;44(2):63–9

Physical therapy in the management of myofacial pain dysfunction syndrome. Talaat AM, et al. **Ann Otol Rhinol Laryngol** 1986 May–Jun;95(3 Pt 1):225–8

Medical and physical management of facial muscle and joint pain [letter] Berry DC. **Br Dent J** 1985 Sep 21;159(6):172

'Medical and physical management of facial muscle and joint pain' [letter] Cawley R. **Br Dent J** 1985 Aug 10;159(3):73

Changes in headache after treatment of mandibular dysfunction. Forssell H, et al. **Cephalalgia** 1985 Dec; 5(4):229–36

Hypnotizability and the treatment of chronic facial pain. Stam HJ, et al. **Int J Clin Exp Hypn** 1986 Jul;34(3):182–91

Long-term results of treatment for temporomandibular disorders: an evaluation by patients. Okeson JP, et al. **J Am Dent Assoc** 1986 Apr;112(4):473–8

The total body approach to the osteopathic management of temporomandibular joint dysfunction. Hruby RJ. **J Am Osteopath Assoc** 1985 Aug;85(8):502–10

Temporomandibular pain and dysfunction syndrome: the relationship of clinical and psychological data to outcome. Salter MW, et al. **J Behav Med** 1986 Feb;9(1):97–109

Current concepts in the aetiology, diagnosis and treatment of TMJ and muscle dysfunction. Ash MM. **J Oral Rehabil** 1986 Jan;13(1):1–20 (69 ref.)

The use of bilateral EMG equalization training in the treatment of temporomandibular joint dysfunction—a case report. Klonoff EA, et al. **J Oral Rehabil** 1986 May; 13(3):273–7

A clinical and electromyographic study of the long-term effects of an occlusal splint on the temporal and masseter muscles in patients with functional disorders and nocturnal bruxism. Sheikholeslam A, et al. **J Oral Rehabil** 1986 Mar; 13(2):137–45

A retrospective analysis of the treatment of occlusal disharmony by selective grinding. Winstanley RB. **J Oral Rehabil** 1986 Mar;13(2):169–81

A technique for evaluation of centric relation tooth contacts. Part II: Following use of an occlusal splint for treatment of temporomandibular joint dysfunction. Capp NJ, et al. **J Prosthet Dent** 1985 Nov;54(5):697–705

Acupuncture compared with stomatognathic treatment for TMJ dysfunction. Part II: Components of the dysfunction index. Raustia AM, et al. **J Prosthet Dent** 1986 Mar; 55(3):372–6

Acupuncture compared with stomatognathic treatment for TMJ dysfunction. Part I: A randomized study. Raustia AM, et al. **J Prosthet Dent** 1985 Oct;54(4):581–5

Experimental use of posterior resin in the treatment of TMJ/MPD syndromes. Blitzer MH, et al. **NY State Dent J** 1985 Dec;51(10):648–51

Mucolipidosis type III (pseudo-Hurler polydystrophy): conservative treatment of myofascial pain dysfunction syndrome with the sterling silver splint. Lapeer GL, et al. **Oral Surg Oral Med Oral Pathol** 1986 May;61(5):448–52

Treatment of reciprocal clicking of the temporomandibular joint using a mandibular repositioning splint and occlusal adjustment. Le Bell Y, et al. **Proc Finn Dent Soc** 1985; 81(5–6):251–5

[Orthodontic therapy of the TMJ syndrome] Xu RF. **Chung Hua Kou Chiang Ko Tsa Chih** 1984 Dec;19(4):222–4 **(Chi)**

[Occlusal interception in the therapy of the dysfunction syndrome of the stomatognathic system] Burlui V, et al. **Rev Med Chir Soc Med Nat Iasi** 1984 Apr–Jun;88(2):341–5 (Eng. Abstr.) **(Rum)**

[Use of transcutaneous electroneurostimulation in the pain syndrome of patients with temporomandibular joint dysfunction] Bekreev VV. **Stomatologiia (Mosk)** 1985 Sep–Oct;64(5):45–8 (Eng. Abstr.) **(Rus)**

VETERINARY

Intermittent open-mouth lower jaw locking in five dogs. Lantz GC, et al. **J Am Vet Med Assoc** 1986 Jun 15; 188(12):1403–5

TENDINITIS

Overuse syndrome, alias tenosynovitis/tendinitis: the terminological hoax. Fry HJ. **Plast Reconstr Surg** 1986 Sep; 78(3):414–7

DIAGNOSIS

Myotendinosis of the upper limbs caused by strain—EMG criteria for diagnosis. Baykoushev S, et al. **Folia Med (Plovdiv)** 1984;26(2):44–6

Calcific tendinitis. Rowe CR. **Instr Course Lect** 1985;34:196–8

Lesions of the long head of the biceps tendon. Warren RF. **Instr Course Lect** 1985;34:204–9

Achilles tendon: US examination. Fornage BD. **Radiology** 1986 Jun;159(3):759–64

[Preliminary evaluation of the usefulness of ultrasonic examination of the Achilles tendon] Serafin-Król M, et al. **Pol Przegl Radiol (Warszawa)** 1985 Mar–Apr;49(2):145–8 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Sustained-release indomethacin in the management of the acute painful shoulder from bursitis and/or tendinitis. Calabro JJ, et al. **Am J Med** 1985 Oct 25;79(4C):32–8 (26 ref.)

Treatment of acute shoulder syndrome with flurbiprofen. Mena HR, et al. **Am J Med** 1986 Mar 24;80(3A):141–4

The pain of acute bursitis/tendinitis of the shoulder. Mena HR. **Am J Med** 1986 Mar 24;80(3A):140

Intramuscular piroxicam, a new dosage form, in the treatment of acute musculoskeletal disorders. Wiseman RL, et al. **J Int Med Res** 1985;13(5):255–62

Rotator cuff tendinitis: comparison of subacromial injection of a long acting corticosteroid versus oral indomethacin therapy. White RH, et al. **J Rheumatol** 1986 Jun; 13(3):608–13

Diclofenac in the treatment of painful joints and traumatic tendinitis (including strains and sprains): a brief review. Machtey I. **Semin Arthritis Rheum** 1985 Nov;15(2 Suppl 1):87–92

[Risk for severe hemorrhagic complication in heparin treatment of peritendinitis] Rydholm U, et al. **Lakartidningen** 1985 Nov 13;82(46):4008 **(Swe)**

ETIOLOGY

Tendinitis of the patellar ligament and quadriceps (jumper's knee) as an initial presentation of hyperparathyroidism. A case report. Maddox PA, et al. **J Bone Joint Surg [Am]** 1986 Feb;68(2):288–92

Epidemiology of jumper's knee. Ferretti A. **Sports Med** 1986 Jul–Aug;3(4):289–95

METABOLISM

Tendinitis and abnormal glucose tolerance [letter] Machtey I. **Scand J Rheumatol** 1986;15(2):224

PATHOLOGY

[Calcific tendinitis. Clinical aspects, morphology, pathogenesis and differential diagnosis] Remberger K, et al. **Pathologe** 1985 Jul;6(4):196–203 **(Ger)**

RADIOGRAPHY

Calcific tendinitis of the longus colli: diagnosis by CT. Hall FM, et al. **AJR** 1986 Oct;147(4):742–3

Calcific tendinitis of the flexors of the forefoot. Rhodes RA, et al. **Ann Emerg Med** 1986 Jun;15(6):751–3

Frozen shoulder [letter] Resnick D. **Ann Rheum Dis** 1985 Nov;44(11):805–6

Retropharyngeal calcific tendinitis: report of five cases and review of the literature. Benanti JC, et al. **J Emerg Med** 1986;4(1):15–24

[Peritendinitis with calcification in the region of the wrist] Illum F, et al. **Ugeskr Laeger** 1985 Jun 24;147(26):2086–9 (Eng. Abstr.) **(Dan)**

[Calcareous tendinitis of the long peroneal tendon] Freund KG, et al. **Tidsskr Nor Laegeforen** 1986 Jun 10; 106(16):1383–4 (Eng. Abstr.) **(Nor)**

[Enthesitis of the pisiform bone] Mikić Z, et al. **Med Pregl** 1985;38(11–12):523–5 (Eng. Abstr.) **(Ser)**

SURGERY

[Tendon tunnel syndrome of the shoulder joint] Ziller R. **Beitr Orthop Traumatol** 1986 Feb;33(2):96–9 (Eng. Abstr.) **(Ger)**

[Blind suture of the wound in the treatment of various forms of paronychia] Raikevich NP, et al. **Khirurgiia (Mosk)** 1985 Nov;(11):107–10 (Eng. Abstr.) **(Rus)**

THERAPY

Eccentric exercise in chronic tendinitis. Stanish WD, et al. **Clin Orthop** 1986 Jul;(208):65–8

Tendinitis: the analysis and treatment for running. Stanish WD, et al. **Clin Sports Med** 1985 Oct;4(4):593–609 (33 ref.)

Use of US [letter] Phillips HJ. **Phys Ther** 1986 Jul;66(7):1146, 1148

[Use of laser therapy associated with a lysine ketoprofen gel in various pathologies of orthopedic importance] Viganò R, et al. **Clin Ter** 1986 Jul 15;118(1):13–7 (Eng. Abstr.) **(Ita)**

[Phytopack Ispex in the treatment of degenerative arthropathies and insertion tendinopathies. Telethermographic study] Pizzetti M, et al. **Minerva Med** 1985 Sep 22;76(36):1597–604 (Eng. Abstr.) **(Ita)**

VETERINARY

[Treatment of tendinitis in the horse] Keller H, et al. **Berl Munch Tierarztl Wochenschr** 1986 Jul 1;99(7):226–31 (Eng. Abstr.) **(Ger)**

TENDON INJURIES

Rupture of the tibialis posterior tendon. Mann RA. **Instr Course Lect** 1984;33:302–9

Unusual rupture of a flexor profundus tendon. Langa V, et al. **J Hand Surg [Am]** 1986 Mar;11(2):227–9

Infrapatellar tendon ruptures. Burgess RC, et al. **Orthopedics** 1985 Mar;8(3):362–4

CHEMICALLY INDUCED

Spontaneous rupture of the extensor pollicis longus tendon after anabolic steroids. Kramhøft M, et al. **J Hand Surg [Br]** 1986 Feb;11(1):87

COMPLICATIONS

Fracture of the os peroneum with rupture of the peroneus longus tendon. A case report and review of the literature. Peacock KC, et al. **Clin Orthop** 1986 Jan;(202):223–6

Complications in tendon injury and surgery. Schneider LH. **Hand Clin** 1986 May;2(2):361–71

Injury of the tibialis posterior tendon: a cause of acquired valgus foot in childhood. Citron N. **Injury** 1985 Nov; 16(9):610–2

Acromial stress fractures associated with cuff-tear arthropathy. A report of three cases. Dennis DA, et al. **J Bone Joint Surg [Am]** 1986 Jul;68(6):937–40

Pes cavovarus as a late consequence of peroneus longus tendon laceration. DeLuca PA, et al. **J Pediatr Orthop** 1985 Sep–Oct;5(5):582–3

Bilateral avulsion of quadriceps tendons in primary hyperparathyroidism. Lavalle C, et al. **J Rheumatol** 1985 Jun;12(3):596–8

[Surgical treatment of post-burn tendon-flexion contracture of the fingers] Grishkevich VM, et al. **Khirurgiia (Mosk)** 1986 Jun;(6):105–9 **(Rus)**

[Treatment of flexor contractures of the fingers] Khasiev BG. **Ortop Travmatol Protez** 1985 Nov;(11):31–3 **(Rus)**

DIAGNOSIS

Scope for diagnostic uses of ultrasound in inveterate tendon injuries. Vilek V, et al. **Acta Chir Plast** 1985;27(4):224–34

Arthroscopy of the shoulder in the management of partial tears of the rotator cuff: a preliminary report. Andrews JR, et al. **Arthroscopy** 1985;1(2):117–22

Tendon injury. Sperryn PN. **Aust Fam Physician** 1985 Dec; 14(12):1347–8

Diagnostic value of sonography in lesions of the biceps tendon. Ahovuo J, et al. **Clin Orthop** 1986 Jan;(202):184–8

Lesions of the long head of the biceps tendon. Warren RF. **Instr Course Lect** 1985;34:204–9

Rupture of the central slip of the extensor hood of the finger. A test for early diagnosis. Elson RA. **J Bone Joint Surg [Br]** 1986 Mar;68(2):229–31

Recognizing unusual tendon pathology at the ankle. Reinherz RP, et al. **J Foot Surg** 1986 Jul–Aug;25(4):278–83

High-field MR surface-coil imaging of the hand and wrist. Part II. Pathologic correlations and clinical relevance. Weiss KL, et al. **Radiology** 1986 Jul;160(1):147–52

[The anterior interosseous nerve syndrome. A condition which may be confused with spontaneous rupture of a flexor tendon] Jensen PH, et al. **Ugeskr Laeger** 1986 Jun 23;148(26):1607–8 (Eng. Abstr.) **(Dan)**

[Rupture of the tendon of the quadriceps thigh muscle] de Waal Malefijt J, et al. **Ned Tijdschr Geneeskd** 1985 Nov 16;129(46):2221–3 (Eng. Abstr.) **(Dut)**

[Enthesopathy of the upper insertion of the musculus rectus

femoris. A retrospective sign of tendon rupture in sports pathology] Baudrillard JC, et al. **J Radiol** 1986 Mar; 67(3):185–91 (Eng. Abstr.) (Fre)

[Musculo-tendon ruptures] Crielaard JM, et al. **Rev Med Liege** 1986 May 15;41(10):409–13 (Fre)

[Osseous tendomuscular injuries of the pelvis—difficult differential diagnosis of primary bone tumors] Braun A. **Aktuel Traumatol** 1986 Apr;16(2):78–80 (Ger)

[Expert testimony on rotator cuff rupture] Ludolph E, et al. **Aktuel Traumatol** 1985 Aug;15(4):175–9 (Eng. Abstr.) (Ger)

[Preliminary evaluation of the usefulness of ultrasonic examination of the Achilles tendon] Scrafin-Król M, et al. **Pol Przegl Radiol (Warszawa)** 1985 Mar–Apr;49(2):145–8 (Eng. Abstr.) (Pol)

[Diagnosis and treatment of fresh injuries of the flexor tendons of the hand] Shugarov NA, et al. **Ortop Travmatol Protez** 1985 Nov;(11):25–9 (Eng. Abstr.) (Rus)

DRUG THERAPY

Experimental treatment of tendon injury with heparin. Williams IF, et al. **Br J Plast Surg** 1986 Jul;39(3):367–72

ETIOLOGY

Rupture of the quadriceps tendon. Vainionpää S, et al. **Acta Orthop Scand** 1985 Oct;56(5):433–5

Tendon rupture in systemic lupus erythematosus [letter] Hanly JG, et al. **Ann Rheum Dis** 1986 Apr;45(4):349

Anterior dislocation of the shoulder in the older patient. Hawkins RJ, et al. **Clin Orthop** 1986 May;(206):192–5

Opera-glass deformity and tendon rupture in a patient with systemic lupus erythematosus. Muniain M, et al. **Clin Rheumatol** 1985 Sep;4(3):335–9

Entrapment of the flexor digitorum profundus in the ulna with fracture of both bones of the forearm. Report of a case. Rayan GM, et al. **J Bone Joint Surg [Am]** 1986 Sep; 68(7):1102–3

Haemorrhagic, traumatic tenosynovitis. Dacruz DJ, et al. **J Hand Surg [Br]** 1986 Jun;11(2):223–4

Infrapatellar tendon ruptures. Burgess RC, et al. **Orthopedics** 1985 Mar;8(3):362–4

Anterior shoulder dislocation with posterior displacement of the long head of the biceps tendon. Arthrographic findings. A case report. Freeland AE, et al. **Orthopedics** 1985 Apr; 8(4):468–9

[Subcutaneous rupture of the anterior tibial tendon] Kiaer T. **Ugeskr Laeger** 1986 Jul 7;148(28):1769–70 (Eng. Abstr.) (Dan)

[Tendon rupture of the extensor muscles of the knee] Meissner A, et al. **Aktuel Traumatol** 1985 Aug;15(4):170–4 (Eng. Abstr.) (Ger)

[A case of concurrent subcutaneous injury of the right quadriceps tendon and the left rotular tendon in rheumatoid arthritis] Pessina R, et al. **Chir Ital** 1985 Dec;37(6):679–83 (Eng. Abstr.) (Ita)

[Detachment of the short head of the biceps brachii and paralysis of the musculo-cutaneous nerve in traumatic dislocation of the scapula and humerus (description of a case)] Maggi G, et al. **Chir Organi Mov** 1985 Oct–Dec; 70(4):389–92 (Eng. Abstr.) (Ita)

[Tendon rupture in patients on chronic dialysis] Shoji R, et al. **Nippon Jinzo Gakkai Shi** 1986 Apr;28(4):455–60 (Eng. Abstr.) (Jpn)

PATHOLOGY

Pseudotendon formation [letter] Khan MI. **J Hand Surg [Am]** 1986 May;11(3):455–6

Pseudotendon formation after flexor tendon injury. Kulick MI, et al. **J Hand Surg [Am]** 1985 Sep;10(5):638–40

[An experimental study on adhesion blocking in simultaneous injury of tendon and nerve] Okuda Y. **Nippon Seikeigeka Gakkai Zasshi** 1985 Nov;59(11):937–47 (Eng. Abstr.) (Jpn)

PHYSIOPATHOLOGY

Avulsion of the popliteus tendon. A rare cause of chondral fracture and hemarthrosis. Naver L, et al. **Am J Sports Med** 1985 Nov–Dec;13(6):423–4

New aspects of the etiology of tendon rupture. An analysis of time-resolved dynamic-mechanical measurements using synchrotron radiation. Knörzer E, et al. **Arch Orthop Trauma Surg** 1986;105(2):113–20

Muscular strength after rupture of the long head of the biceps. Sturzenegger M, et al. **Arch Orthop Trauma Surg** 1986;105(1):18–23

Flexor tendon healing. Manske PR, et al. **Hand Clin** 1985 Feb;1(1):25–34 (60 ref.)

Flexor tendon physiology: tendon nutrition and cellular activity in injury and repair. Gelberman RH. **Instr Course Lect** 1985;34:351–60

[Functional anatomy of the finger tensor apparatus under physiological and pathological conditions. 2] Pollack HJ. **Beitr Orthop Traumatol** 1985 Jun;32(6):269–76 (Eng. Abstr.) (Ger)

RADIOGRAPHY

Bilateral simultaneous patellar tendon rupture in a female collegiate gymnast. A case report. Donati RB, et al. **Am J Sports Med** 1986 May–Jun;14(3):237–9

REHABILITATION

Therapy following flexor tendon surgery. Cannon NM, et al. **Hand Clin** 1985 Feb;1(1):147–65

Therapeutic management of extensor tendon injuries. Evans RB. **Hand Clin** 1986 Feb;2(1):157–69

Flexor tendon injuries: late solution. Therapist's management. Stanley BG. **Hand Clin** 1986 Feb;2(1):139–47

Therapist's management of tendon transfers. Toth S. **Hand Clin** 1986 Feb;2(1):239–46

SURGERY

Rehabilitation in plastic surgery flexor tendons. Smrčka V, et al. **Acta Chir Plast** 1985;27(4):235–43

Distal biceps brachii tendon avulsion. A simplified method of operative repair. Louis DS, et al. **Am J Sports Med** 1986 May–Jun;14(3):234–6

Secondary repair of digital flexor tendons in outpatient clinic. Jaroma H, et al. **Ann Chir Gynaecol** 1985;74(4):176–9

Flexor tendon division at "no-man's land" of the hand treated by primary suture and passive controlled mobilization. Korkala O, et al. **Ann Chir Gynaecol** 1985;74(3):142–5

Rupture of the patellar tendon. Vainionpää S, et al. **Ann Chir Gynaecol** 1985;74(6):274–6

Traumatic avulsion of the flexor digitorum profundus tendon. Report of nineteen cases. Mansat M, et al. **Ann Chir Main** 1985;4(3):185–96 (Eng, Fre)

Direct trauma to the superior oblique tendon following penetrating injuries of the upper eyelid. Bachynski BN, et al. **Arch Ophthalmol** 1985 Oct;103(10):1510–4

Bilateral simultaneous traumatic avulsion of the quadriceps tendon. Suman RK. **Aust NZ J Surg** 1985 Oct;55(5):513–5

Flexor tendon surgery—today and looking ahead. Tonkin M, et al. **Clin Plast Surg** 1986 Apr;13(2):221–42

Sports-related tendon injuries of the foot and ankle. Gudas CJ. **Clin Podiatr Med Surg** 1986 Apr;3(2):303–19 (54 ref.)

Technique tips: footings. Repair of dislocating peroneal tendons. Gould N. **Foot Ankle** 1986 Feb;6(4):208–13

Tendon salvage and the active tendon implant: a perspective. Hunter JM. **Hand Clin** 1985 Feb;1(1):181–6

Suture materials and suture techniques used in tendon repair. Ketchum LD. **Hand Clin** 1985 Feb;1(1):43–53

Avulsions of the flexor digitorum profundus. Leddy JP. **Hand Clin** 1985 Feb;1(1):77–83

Pitfalls and complications of flexor tendon surgery. Lister G. **Hand Clin** 1985 Feb;1(1):133–46

Indications and techniques for repair of the flexor tendon sheath. Lister G. **Hand Clin** 1985 Feb;1(1):85–95

Staged tendon reconstruction. Schneider LH. **Hand Clin** 1985 Feb;1(1):109–20

Results of flexor tendon surgery in zone II. Strickland JW. **Hand Clin** 1985 Feb;1(1):167–79

Flexor tendon repair. Strickland JW. **Hand Clin** 1985 Feb; 1(1):55–68 (73 ref.)

Opinions and preferences in flexor tendon surgery. Strickland JW. **Hand Clin** 1985 Feb;1(1):187–91

Flexor tenolysis. Strickland JW. **Hand Clin** 1985 Feb; 1(1):121–32

Injuries to the digital extensors. Tubiana R. **Hand Clin** 1986 Feb;2(1):149–56

Repair of the flexor pollicis longus. Urbaniak JR. **Hand Clin** 1985 Feb;1(1):69–76

Flexor tendon injury. Late solution. Wehbé MA. **Hand Clin** 1986 Feb;2(1):133–7

Flexor tendon grafting. Wilson RL. **Hand Clin** 1985 Feb; 1(1):97–107

Management of acute flexor tendon injury in the hand. Cooney WP, et al. **Instr Course Lect** 1985;34:373–81

Management of acute flexor tendon injuries in the hand. Kleinert HE, et al. **Instr Course Lect** 1985;34:361–72

Acquired adult flat foot secondary to posterior tibial-tendon pathology. Funk DA, et al. **J Bone Joint Surg [Am]** 1986 Jan;68(1):95–102

Surgery for full-thickness rotator-cuff tears. Hawkins RJ, et al. **J Bone Joint Surg [Am]** 1985 Dec;67(9):1349–55

Surgical treatment of tears of the rotator cuff in athletes. Tibone JE, et al. **J Bone Joint Surg [Am]** 1986 Jul; 68(6):887–91

Two-stage flexor-tendon reconstruction. Ten-year experience. Wehbé MA, et al. **J Bone Joint Surg [Am]** 1986 Jun;68(5):752–63

Delayed reconstruction of the calcaneal tendon. Barnes MJ, et al. **J Bone Joint Surg [Br]** 1986 Jan;68(1):121–4

The effect of vascular injury on the results of flexor tendon surgery in zone 2. Amadio PC, et al. **J Hand Surg [Am]** 1985 Sep;10(5):626–32

Continuous passive motion as an adjunct therapy for tenolysis. McCarthy JA, et al. **J Hand Surg [Br]** 1986 Feb; 11(1):88–90

Disappointing outcomes in staged flexor tendon grafting for isolated profundus loss. Sullivan DJ. **J Hand Surg [Br]** 1986 Jun;11(2):231–3

Transposition of the sartorius muscle for reconstruction of the extensor apparatus of the knee. Hess P, et al. **J Trauma** 1986 Jan;26(1):90–2

Philosophy of flexor tendon surgery. Potenza AD. **Orthop Clin North Am** 1986 Jul;17(3):349–52

The vastus lateralis derived flap for repair of neglected rupture of the quadriceps femoris tendon. Oni OO, et al. **Surg Gynecol Obstet** 1985 Oct;161(4):385–7

[Ruptures of the dorsal aponeuroses of the fingers and their treatment] Fortýn K, et al. **Acta Chir Orthop Traumatol Cech** 1985 Dec;52(6):511–8 (Eng. Abstr.) (Cze)

[Early mobilization of flexor tendons after primary suture] Højlund AP. **Ugeskr Laeger** 1986 Apr 21;148(17):1020–2 (Eng. Abstr.) (Dan)

[Traumatic rupture of flexor tendons. Apropos of 12 cases] Tropet Y, et al. **Ann Chir Main** 1986;5(1):59–62 (Eng. Abstr.) (Fre)

[Spontaneous bilateral avulsion of the quadriceps tendon (a case) and simultaneous bilateral rupture of the patellar tendon (a case). Problems of the surgical technic] Touzard RC. **Chirurgie** 1985;111(8):632–5 (Eng. Abstr.) (Fre)

[Recent rupture of the patellar tendon. Apropos of 9 cases] Badelon O, et al. **J Chir (Paris)** 1985 Oct;122(10):519–22 (Eng. Abstr.) (Fre)

[Isolated traumatic dislocation of the extensor carpi ulnaris tendon] Loty B, et al. **Rev Chir Orthop** 1986;72(3):219–22 (Eng. Abstr.) (Fre)

[Recent injuries of finger flexor tendons in children] Masquelet AC, et al. **Rev Chir Orthop** 1985;71(8):587–93 (Eng. Abstr.) (Fre)

[Lesions associated with tendon injuries: their importance] Sennwald G. **Z Unfallchir Versicherungsmed Berufskr** 1985; 78(4):249–66 (Fre)

[Isolated severance of the deep flexor tendon of the finger] Belusa M. **Beitr Orthop Traumatol** 1986 Jan;33(1):37–43 (Eng. Abstr.) (Ger)

[Multicenter study of flexor tendon surgery in East Germany] Belusa M. **Beitr Orthop Traumatol** 1985 Aug;32(8):408–16 (Eng. Abstr.) (Ger)

[Tendon rupture of the biceps muscle of the arm and its treatment with special reference to the key hole operation] Jungmichel D, et al. **Beitr Orthop Traumatol** 1986 May; 33(5):226–32 (Eng. Abstr.) (Ger)

[Flexor tendon suture and after care with a dynamic splint] Reill P. **Chirurg** 1985 Oct;56(10):613–9 (Ger)

[Experimental reconstruction of flexor tendon injuries with a free transplant tendon-tendon sheath unit] Biró V, et al. **Handchir Mikrochir Plast Chir** 1985 Nov;17 Suppl:8–12 (Eng. Abstr.) (Ger)

[Significance of the preoperative status in the evaluation of results of the reconstruction of extensor tendons] Geldmacher J, et al. **Handchir Mikrochir Plast Chir** 1986 Jan;18(1):23–9 (Eng. Abstr.) (Ger)

[Early functional treatment of the extensor tendon of the hand] Lemke T, et al. **Helv Chir Acta** 1986 Apr;52(6):885–9 (Eng. Abstr.) (Ger)

[The importance of the peroneal tendon sheath in the surgical treatment of the lesions of the fibulotarsal ligament] Biedert R, et al. **Schweiz Z Sportmed** 1985 Sep;33(3):85–8 (Eng. Abstr.) (Ger)

[Traumatic dislocation of the peroneal tendon] Lauber P, et al. **Schweiz Z Sportmed** 1985 Sep;33(3):89–93 (Eng. Abstr.) (Ger)

[Percutaneous management of osseous avulsions of extensor tendons and lateral ligaments of the fingers with the hooked wire] Ender HG, et al. **Unfallchirurgie** 1986 Jun;12(3):143–7 (Eng. Abstr.) (Ger)

[Bilateral spontaneous rupture of the patellar tendon in systemic lupus erythematosus. A case report and review of the literature] Heinz J. **Unfallchirurgie** 1986 Jun; 12(3):155–7 (Eng. Abstr.) (Ger)

[Suture and functional after care of flexor tendon injuries of the hand by the Kleinert method. Experiences and results following 346 flexor tendon sutures] Pechlaner S, et al. **Unfallchirurgie** 1985 Aug;11(4):187–91 (Eng. Abstr.) (Ger)

[History of flexor tendon surgery] Belusa M. **Zentralbl Chir** 1985;110(19):1224–9 (Eng. Abstr.) (Ger)

[Management of inveterate extensor tendon injuries above the middle joint of the finger using the Snow method of tenoplasty] Biró V. **Magy Traumatol Orthop Helyreallito Sebesz** 1986; 29(1):51–4 (Eng. Abstr.) (Hun)

[Physiopathologic aspects of the functional reconstruction of a digital flexor tendon retracted due to an inveterate burn] Picardi N, et al. **Ann Ital Chir** 1985;57(3):247–54 (Eng. Abstr.) (Ita)

[Subcutaneous rupture of the distal tendon of the biceps brachii] De Palma L, et al. **Arch Putti Chir Organi Mov** 1984;34:281–6 (Eng. Abstr.) (Ita)

[Neglected sectioning of the patellar tendon repaired with a dacron arterial graft] Motioc N, et al. **Rev Chir [Chir]** 1985 Jul–Aug;34(4):247–9 (Eng. Abstr.) (Rum)

[Restoration of the extensor tendon apparatus of fingers injured in burns] Grishkevich VM, et al. **Ortop Travmatol Protez** 1985 Jul;(7):50–3 (Rus)

[Treatment of injuries of the flexor tendons of the fingers in children] Gubov IuP, et al. **Ortop Travmatol Protez** 1986 May;(5):9–12 (Eng. Abstr.) (Rus)

[Prevention of the formation of adhesions during tendon regeneration in the synovial sheath zone] Lavrishcheva GI, et al. **Ortop Travmatol Protez** 1985 Nov;(11):29–31 (Rus)

[Transposition of the distal tendon of the biceps brachii onto the ulna after ruptures] Nikitin GD, et al. **Ortop Travmatol Protez** 1985 Jul;(7):49–50 (Rus)

[Treatment of recent isolated injuries of the tendons of the deep flexor of the fingers] Shugarov NA, et al. **Ortop Travmatol Protez** 1986 May;(5):6–9 (Eng. Abstr.) (Rus)

[Evaluation of the bioplastic properties of preserved tendon allotransplants (experimental-clinical study)] Stakheev IA, et al. **Ortop Travmatol Protez** 1985 Sep;(9):47–50 (Eng. Abstr.) **(Rus)**

[Surgical tactics in hand injuries] Ivanusa IaM, et al. **Voen Med Zh** 1986 Feb;(2):47–8 **(Rus)**

THERAPY

Biomechanical and biochemical studies of tendon healing after conservative and surgical treatment. Carlstedt CA, et al. **Arch Orthop Trauma Surg** 1986;105(4):211–5

EMG-biofeedback therapy for rupture of the extensor pollicis longus tendon. Hirasawa Y, et al. **Arch Orthop Trauma Surg** 1986;104(6):342–5

Flexor tendon injuries. Treatment of the acute problem. Schneider LH, et al. **Hand Clin** 1986 Feb;2(1):119–31

Conservative treatment for a ruptured extensor tendon on the dorsum of the proximal phalanges of the thumb (mallet thumb). Miura T, et al. **J Hand Surg [Am]** 1986 Mar; 11(2):229–33

Conservative treatment of two cases of mallet thumb. Primiano GA. **J Hand Surg [Am]** 1986 Mar;11(2):233–5

Nonoperative treatment of traumatic dislocations of the extensor digitorum tendons in patients without rheumatoid disorders. Ritts GD, et al. **J Hand Surg [Am]** 1985 Sep; 10(5):714–6

A comparative controlled trial of a new perforated splint and a traditional splint in the treatment of mallet finger. Kinninmonth AW, et al. **J Hand Surg [Br]** 1986 Jun; 11(2):261–2

A modified splint for mallet finger. Stack HG. **J Hand Surg [Br]** 1986 Jun;11(2):263

Clinical analysis and experimental observation on acupuncture and moxibustion treatment of patellar tendon terminal disease in athletes. Wang LQ, et al. **J Tradit Chin Med** 1985 Sep;5(3):162–6

Treatment of partial flexor tendon lacerations: the effect of tenorrhaphy and early protected mobilization. Bishop AT, et al. **J Trauma** 1986 Apr;26(4):301–12

Functional, mechanical, and biochemical assessment of ultrasound therapy on tendon healing in the chicken toe. Stevenson JH, et al. **Plast Reconstr Surg** 1986 Jun; 77(6):965–72

[Subcutaneous rupture of the tendon of the long head of the biceps brachii] D'Arienzo M, et al. **Arch Putti Chir Organi Mov** 1984;34:287–93 (Eng. Abstr.) **(Ita)**

[Experimental studies on the healing and restoration of gliding function of the injured digital flexor tendon. Part 9: The use of drugs to prevent adhesion formation of the injured tendon] Yuzawa K. **Nippon Seikeigeka Gakkai Zasshi** 1985 Dec;59(12):1107–18 (Eng. Abstr.) **(Jpn)**

VETERINARY

Serum 25-hydroxyvitamin-D concentrations in beef cattle herds in which ruptures of the Achilles tendon had occurred. Sturén M. **Acta Vet Scand** 1985;26(2):169–78

Tendon lesions in broiler fowls. Duff SR, et al. **Res Vet Sci** 1986 May;40(3):333–8

TENDON TRANSFER

Reanimation of thumb opposition by the extensor pollicis longus. Report of sixteen cases. Moutet F, et al. **Ann Chir Main** 1986;5(1):36–41 **(Eng, Fre)**

Early tendon transfers in the rehabilitation of median, radial, and ulnar palsies. Omer GE. **Ann Chir Main** 1982; 1(2):187–90 **(Eng, Fre)**

Indications for tendon transfers to the hand. Smith RJ. **Hand Clin** 1986 Feb;2(1):235–7

Partial flexor carpi radialis many-tailed transfer for correction of claw fingers. Beine A. **Indian J Lepr** 1985 Jul–Sep;57(3):624–7

Dynamic reconstruction of the cruciate ligaments of the knee. Solonen KA, et al. **Int Orthop** 1986;10(2):109–14

Fifth metatarsal excision with peroneus brevis transfer. A case report. Roper RB, et al. **J Am Podiatr Med Assoc** 1985 Nov;75(11):607–10

Surgical management of basal joint arthritis of the thumb. Part II. Ligament reconstruction with tendon interposition arthroplasty. Burton RI, et al. **J Hand Surg [Am]** 1986 May; 11(3):324–32

The excursion and deformation of repaired flexor tendons treated with protected early motion. Gelberman RH, et al. **J Hand Surg [Am]** 1986 Jan;11(1):106–10

Postoperative results of opponensplasty and flexor tendon transfer in patients with spinal cord injuries. Kelly CM, et al. **J Hand Surg [Am]** 1985 Nov;10(6 Pt 1):890–4

The posterior deltoid to triceps transfer: a clinical and biomechanical assessment. Lacey SH, et al. **J Hand Surg [Am]** 1986 Jul;11(4):542–7

Forearm muscles of man can reverse their function after tendon transfers: an electromyographic study. Illert M, et al. **Neurosci Lett** 1986 Jun 18;67(2):129–34

Modified latissimus dorsi and teres major transfer for external rotation deficit of the shoulder. Freund RK, et al. **Orthopedics** 1986 Apr;9(4):505–6

[Treatment of recurrent congenital club-foot] Poli G, et al. **Chir Organi Mov** 1985 Jan–Mar;70(1):5–14 (Eng. Abstr.) **(Ita)**

[Muscle transplantation in the surgical treatment of congenital clubfoot] Mironov AM, et al. **Ortop Travmatol Protez** 1985 Nov;(11):15–8 (Eng. Abstr.) **(Rus)**

[Alloplasty of long-standing injuries of the knee ligaments and evaluation of its efficacy] Poliakov VIu. **Vestn Khir** 1986 Jun;136(6):119–21 **(Rus)**

METHODS

Polypropylene braid augmented and nonaugmented intraarticular anterior cruciate ligament reconstruction. Roth JH, et al. **Am J Sports Med** 1985 Sep–Oct; 13(5):321–36

Our experience in tendon transfers for radial palsy. Tubiana R. **Ann Chir Main** 1985;4(3):197–210 **(Eng, Fre)**

Modified Jones operation in the treatment of pes cavovarus. Giannini S, et al. **Ital J Orthop Traumatol** 1985 Jun; 11(2):165–70

The treatment of relapsing clubfoot by tibialis anterior transfer underneath the extensor retinaculum. Ippolito E, et al. **Ital J Orthop Traumatol** 1985 Jun;11(2):171–7

Palliative surgery in irreparable lesions of the peroneal nerve. Spreafico G, et al. **Ital J Orthop Traumatol** 1985 Jun; 11(2):185–91

Anterior cruciate reconstruction using the MacIntosh lateral-substitution over-the-top repair. Bertoia JT, et al. **J Bone Joint Surg [Am]** 1985 Oct;67(8):1183–8

Tears of the anterior cruciate ligament in adolescents. Lipscomb AB, et al. **J Bone Joint Surg [Am]** 1986 Jan; 68(1):19–28

Palmaris longus transfer for replacement of the first dorsal interosseous. Hirayama T, et al. **J Hand Surg [Br]** 1986 Feb;11(1):84–6

Trapezius transfer for paralysis of the deltoid. Karev A. **J Hand Surg [Br]** 1986 Feb;11(1):81–3

Vascularized transfer of the adductor magnus tendon and its osseous insertion: a preliminary report. Masquelet AC, et al. **J Reconstr Microsurg** 1985 Jan;1(3):169–76

Vascularized extensor tendons from foot to hand [letter] Nolan JT. **Plast Reconstr Surg** 1986 Sep;78(3):427

The long-term results of the surgical management of paralytic pes cavus by soft tissue release and tendon transfer. Shanahan MD, et al. **Z Kinderchir** 1985 Dec;40 Suppl 1:37–41

[Correction of the Hansen claw hand using direct Zancolli lasso procedures and 2 of its variations] Boucher P, et al. **Acta Leprol (Geneve)** 1986 Jan-Mar;(100):73–8 (Eng. Abstr.) **(Fre)**

[Reinforcement of freshly glued or sutured rupture of the anterior cruciate ligament using the semitendinous tendon. Indications and early results] Paar O. **Chirurg** 1985 Nov; 56(11):728–34 (Eng. Abstr.) **(Ger)**

[Doubled semitendinosusplasty in the replacement of the anterior cruciate ligament] Weigert M, et al. **Z Orthop** 1986 May–Jun;124(3):270–2 (Eng. Abstr.) **(Ger)**

[Dynamic, proximal muscular pedicled anterior cruciate ligamentplasty (Lindemann). Subjective and objective results in 260 knee joints] Villiger KJ. **Zentralbl Chir** 1986; 111(7):398–405 (Eng. Abstr.) **(Ger)**

[Management of inveterate extensor tendon injuries above the middle joint of the finger using the Snow method of tenoplasty] Biró V. **Magy Traumatol Orthop Helyreallito Sebesz** 1986; 29(1):51–4 (Eng. Abstr.) **(Hun)**

[Treatment of injuries of the flexor tendons of the fingers in children] Gubov IuP, et al. **Ortop Travmatol Protez** 1986 May;(5):9–12 (Eng. Abstr.) **(Rus)**

[A method of surgical correction of spastic flexion-adduction contracture of the first finger] Karchinov K. **Ortop Travmatol Protez** 1986 Feb;(2):45–6 **(Rus)**

REHABILITATION

Therapist's management of tendon transfers. Toth S. **Hand Clin** 1986 Feb;2(1):239–46

TENDONS

Fibroma of tendon sheath: a tumor of myofibroblasts. A clinicopathologic study of 18 cases. Hashimoto H, et al. **Acta Pathol Jpn** 1985 Sep;35(5):1099–107

Chronic demyelinating peripheral neuropathy in cerebrotendinous xanthomatosis. Argov Z, et al. **Ann Neurol** 1986 Jul;20(1):89–91

Treatment of cerebrotendinous xanthomatosis with chenodeoxycholic acid. Pedley TA, et al. **Ann Neurol** 1985 Oct;18(4):517–8

Giant cell tumor of the tendon sheath (nodular tenosynovitis). A study of 207 cases to compare the large joint group with the common digit group. Ushijima M, et al. **Cancer** 1986 Feb 15;57(4):875–84

Giant cell tumors of the tendon sheath. Lisch R, et al. **J Am Podiatr Med Assoc** 1986 Apr;76(4):218–20

Rupture of the extensor tendons of the fingers. Report of three unusual cases. Miki T, et al. **J Bone Joint Surg [Am]** 1986 Apr;68(4):610–4

Entrapment of the ulnar nerve by the deep flexor-pronator aponeurosis. Amadio PC, et al. **J Hand Surg [Am]** 1986 Jan;11(1):83–7

Carpal tunnel syndrome caused by aberrant lumbrical muscles associated with cystic degeneration of the tenosynovium: a case report. Asai M, et al. **J Hand Surg [Am]** 1986 Mar;11(2):218–21

Multiple flexor tendon xanthomas and contractures in the hands of a child with familial hypercholesterolemia. Gunther SF, et al. **J Hand Surg [Am]** 1986 Jul;11(4):588–93

Extensor digitorum brevis manus associated with attrition rupture of a common extensor tendon. Ishizuki M, et al. **J Hand Surg [Am]** 1986 Jul;11(4):582–4

Oral ibuprofen: evaluation of its effect on peritendinous adhesions and the breaking strength of a tenorrhaphy. Kulick MI, et al. **J Hand Surg [Am]** 1986 Jan;11(1):110–20

Tenosynovial osteochondromatosis of the extensor tendon of a digit: case report and review of the literature. Patel MR, et al. **J Hand Surg [Am]** 1985 Sep;10(5):716–9

An unusual etiology of trigger finger: a case report. Rankin EA, et al. **J Hand Surg [Am]** 1985 Nov;10(6 Pt 1):904–5

A tendon tumour presenting as a trigger finger. Laing PW. **J Hand Surg [Br]** 1986 Jun;11(2):275

Tenosynovial chondroma of the hand. Naver L, et al. **J Hand Surg [Br]** 1985 Oct;10(3):409–10

Ossification of the plantar fascia and peroneus longus tendons in diffuse idiopathic skeletal hyperostosis (DISH). Malhotra CM, et al. **J Rheumatol** 1986 Feb;13(1):215–8

Hyperpigmentation along tendons in progressive systemic sclerosis [letter] Sukenik S, et al. **J Rheumatol** 1986 Apr; 13(2):474–5

Magnetic resonance imaging in cerebrotendinous xanthomatosis. Swanson PD, et al. **Neurology** 1986 Jan; 36(1):124–6

[Enthesiopathy in athletes] Frýba J, et al. **Cas Lek Cesk** 1986 Apr 11;125(15):457–9 (Eng. Abstr.) **(Cze)**

ABNORMALITIES

Doubled palmaris longus muscle (with accessorius ad flexorem minimi digiti). Saadeh FA, et al. **Anat Anz** 1986; 161(5):393–5

Limited mouth opening and shortened flexor muscle-tendon units: 'trismus-pseudocamptodactyly'. Markus AF. **Br J Oral Maxillofac Surg** 1986 Apr;24(2):137–42

Duplication of the extensor carpi ulnaris tendon. Barfred T, et al. **J Hand Surg [Am]** 1986 May;11(3):423–5

[The accessory brachial tendon—a rare cause of pronator teres syndrome] Flory PJ, et al. **Handchir Mikrochir Plast Chir** 1985 Sep;17(5):270–2 (Eng. Abstr.) **(Ger)**

[Carpal tunnel syndrome caused by a rare tendon variation] Kiztan T. **Handchir Mikrochir Plast Chir** 1986 Mar; 18(2):77–8 (Eng. Abstr.) **(Ger)**

["Snapping finger" in childhood: etiopathogenesis, pathologic anatomy, therapy] Guzzanti V, et al. **Arch Putti Chir Organi Mov** 1984;34:11–7 (Eng. Abstr.) **(Ita)**

[False tendons of the left ventricle] Cucchi G, et al. **G Ital Cardiol** 1986 May;16(5):433–5 **(Ita)**

ANALYSIS

Comparisons of antibody reactivity and enzyme sensitivity between small proteoglycans from bovine tendon, bone, and cartilage. Vogel KG, et al. **J Biol Chem** 1986 Aug 25;261(24):11334–40

An X-ray diffraction analysis of rat tail tendons treated with Cupromeronic Blue. Meek KM, et al. **J Microsc** 1985 Aug; 139 (Pt 2):205–19

ANATOMY & HISTOLOGY

Anatomic and radiographic appearance of a sesamoid bone in the tendon of origin of the supinator muscle of dogs. Wood AK, et al. **Am J Vet Res** 1985 Oct;46(10):2043–7

The structure of rat tail tendon. Rowe RW. **Connect Tissue Res** 1985;14(1):9–20

The structure of rat tail tendon fascicles. Rowe RW. **Connect Tissue Res** 1985;14(1):21–30

The hallucal interphalangeal sesamoid. McCarthy DJ, et al. **J Am Podiatr Med Assoc** 1986 Jun;76(6):311–9

Anatomical variations in the first extensor compartment of the wrist. A clinical and anatomical study. Jackson WT, et al. **J Bone Joint Surg [Am]** 1986 Jul;68(6):923–6

Musculotendinous variations about the medial humeral epicondyle. Dellon AL. **J Hand Surg [Br]** 1986 Jun; 11(2):175–81

The finger extensor system. Some approaches to the correction of its disabilities. Littler JW. **Orthop Clin North Am** 1986 Jul;17(3):483–92

[Systematization of the musculo-tendinous architecture of the human biceps (musculus biceps brachii)] Farisse J, et al. **Bull Assoc Anat (Nancy)** 1984 Sep;68(202):283–92 (Eng. Abstr.) **(Fre)**

BLOOD SUPPLY

Vascularized extensor tendons from foot to hand [letter] Nolan JT. **Plast Reconstr Surg** 1986 Sep;78(3):427

[Macroscopic blood supply of the tendons of the superficial and deep flexor muscles of the fingers in the palm] Poisel S, et al. **Handchir Mikrochir Plast Chir** 1985 Nov; 17(6):314–9 (Eng. Abstr.) **(Ger)**

CYTOLOGY

Effects of serum, fibroblast growth factor, and platelet-derived growth factor on explants of rat tail tendon: a morphological study. Stein LE. **Acta Anat (Basel)** 1985;123(4):247–52

Changes in the morphology and synthetic activity of cultured rat tail tendon. Slack C, et al. **Cell Tissue Res** 1986; 245(2):359–68

A simple fractionation of chicken egg yolk yields a protein component that stimulates cell proliferation and differentiation in primary avian tendon cells. Martis MJ, et al. **In Vitro Cell Dev Biol** 1986 May;22(5):241–6

Morphological characteristics of tendon cells cultured on synthetic fibers. Ricci JL, et al. **J Biomed Mater Res** 1984 Nov–Dec;18(9):1073–87

Extracellular compartments in tendon morphogenesis: collagen fibril, bundle, and macroaggregate formation. Birk DE, et al. **J Cell Biol** 1986 Jul;103(1):231–40

ENZYMOLOGY

Characterization of the oligosaccharides of prolyl hydroxylase, a microsomal glycoprotein. Kedersha NL, et al. **Biochemistry** 1985 Oct 8;24(21):5952–60

Type I procollagen carboxyl-terminal proteinase from chick embryo tendons. Purification and characterization. Hojima Y, et al. **J Biol Chem** 1985 Dec 15;260(29):15996–6003

GROWTH & DEVELOPMENT

Proteoglycan–collagen relationships in developing chick and bovine tendons. Influence of the physiological environment. Scott JE, et al. **Connect Tissue Res** 1986; 14(4):267–78

INNERVATION

Responses of Golgi tendon organs to concurrently active motor units. Stauffer EK, et al. **Brain Res** 1986 Jun 4; 375(1):157–62

Cutaneous facilitation of transmission in Ib reflex pathways in the human upper limb. Cavallari P, et al. **Exp Brain Res** 1985;60(1):197–9

The discharge of cat tendon organs during unloading contractions. Gregory JE, et al. **Exp Brain Res** 1985; 61(1):222–6

[The importance of the peroneal tendon sheath in the surgical treatment of the lesions of the fibulotarsal ligament] Biedert R, et al. **Schweiz Z Sportmed** 1985 Sep;33(3):85–8 (Eng. Abstr.) **(Ger)**

METABOLISM

Kinetics of intracellular degradation of newly synthesized collagen. Bienkowski RS, et al. **Biochemistry** 1986 May 6;25(9):2455–9

Biosynthesis of collagen crosslinks: in vivo labelling of neonatal skin, tendon, and bone in rats. Reiser KM, et al. **Connect Tissue Res** 1986;14(4):293–306

Isolation of a new procollagen V chain from chick embryo tendon. Fessler LI, et al. **J Biol Chem** 1985 Oct 25; 260(24):13286–93

The effect of flexor sheath integrity on nutrient uptake by primate flexor tendons. Peterson WW, et al. **J Hand Surg [Am]** 1986 May;11(3):413–6

Effect of antigen-induced synovitis: was the inflammatory stimulation of tendon biosynthesis the response to local antigen? Did the stimulation follow an initial depression of tenocyte biosynthesis? [letter] Cooke TD, et al. **J Orthop Res** 1986;4(1):129–31

A novel route for the biosynthesis of cholestanol, and its significance for the pathogenesis of cerebrotendinous xanthomatosis. Skrede S, et al. **Scand J Clin Lab Invest [Suppl]** 1985;177:15–21

PATHOLOGY

Healing of surgically created defects in the equine superficial digital flexor tendon: effects of pulsing electromagnetic field therapy on collagen–type transformation and tissue morphologic reorganization. Watkins JP, et al. **Am J Vet Res** 1985 Oct;46(10):2097–103

Healing of surgically created defects in the equine superficial digital flexor tendon: collagen–type transformation and tissue morphologic reorganization. Watkins JP, et al. **Am J Vet Res** 1985 Oct;46(10):2091–6

Tendon xanthomas associated with cholestanolosis and hyperapobetalipoproteinemia. Lussier–Cacan S, et al. **Clin Invest Med** 1986;9(2):94–9

Incidence and distribution of left ventricular false tendons: an autopsy study of 483 normal human hearts. Luetmer PH, et al. **J Am Coll Cardiol** 1986 Jul;8(1):179–83

Pseudotendon formation [letter] Khan MI. **J Hand Surg [Am]** 1986 May;11(3):455–6

Pseudotendon formation after flexor tendon injury. Kulick MI, et al. **J Hand Surg [Am]** 1985 Sep;10(5):638–40

Intrinsic restoration of the flexor tendon surface in the nonhuman primate. Manske PR, et al. **J Hand Surg [Am]** 1985 Sep;10(5):632–7

A case of an intratendinous ganglion. Young SC, et al. **J Hand Surg [Am]** 1985 Sep;10(5):723–4

Hamstring muscle strain treated by mobilizing the sacroiliac joint. Cibulka MT, et al. **Phys Ther** 1986 Aug;66(8):1220–3

[Proliferation and 3H proline incorporation of cells of palmar fibromatosis (Dupuytren disease)] Mohr W, et al. **Z Rheumatol** 1985 Sep–Oct;44(5):226–30 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

The effects of tenotomy on the ultrastructure of a rat fast twitch muscle. Velasco E, et al. **Acta Cient Venez** 1983; 34(2):124–31

The effects of tenotomy and compensatory hypertrophy on the postnatal development of soleus motor units in the cat. Gollvik L, et al. **Acta Physiol Scand** 1986 Apr; 126(4):565–73

Effects of tenotomy of the tensor tympani muscle on the acoustic reflex in dogs. Sims MH, et al. **Am J Vet Res** 1986 May;47(5):1022–31

Thermal stability of collagen in relation to non–enzymatic glycosylation and browning in vitro. Andreassen TT, et al. **Diabetologia** 1985 Sep;28(9):687–91

Separate control of arm position and velocity demonstrated by vibration of muscle tendon in man. Sittig AC, et al. **Exp Brain Res** 1985;60(3):445–53

Effects of tendon vibration on unimanual and bimanual movement accuracy. Bullen AR, et al. **Exp Neurol** 1986 Aug;93(2):311–9

A model for computer–aided analysis of biomechanical properties of the plantaris longus tendon in the rabbit. Carlstedt CA, et al. **J Biomech** 1986;19(3):251–6

Design and performance of a modified buckle transducer for the measurement of ligament tension. Barry D, et al. **J Biomech Eng** 1986 May;108(2):149–52

Constant strain increment for exponential tendons in the high–stress limit. Greene PR. **J Biomech Eng** 1985 Aug; 107(3):291

The excursions of the long extensor tendons of the hand. Elliot D, et al. **J Hand Surg [Br]** 1986 Feb;11(1):77–80

The mechanical properties of human flexor tendons in relation to artificial tendons. Pring DJ, et al. **J Hand Surg [Br]** 1985 Oct;10(3):331–6

Site of impulse initiation in tendon organs of cat soleus muscle. Gregory JE, et al. **J Neurophysiol** 1985 Dec; 54(6):1383–95

The development of central cores in both fiber types in tenotomized muscle. Baker JH. **Muscle Nerve** 1985 Feb; 8(2):115–9

Effects of intermittent tendon pressure on alpha motoneuron excitability. Kukulka CG, et al. **Phys Ther** 1986 Jul; 66(7):1091–4

In vitro mechanical properties of equine tendons in relation to cross–sectional area and collagen content. Riemersma DJ, et al. **Res Vet Sci** 1985 Nov;39(3):263–70

Decrease in mass of slow and fast tenotomized muscles of guinea pigs: role of nerve impulses and neurogenic factors. Ihemelandu EC. **Vet Res Commun** 1986 Mar;10(2):149–56

PHYSIOPATHOLOGY

New aspects of the etiology of tendon rupture. An analysis of time–resolved dynamic–mechanical measurements using synchrotron radiation. Knörzer E, et al. **Arch Orthop Trauma Surg** 1986;105(2):113–20

The static stabilizing function of the popliteal tendon in the knee. An experimental study. Nielsen S, et al. **Arch Orthop Trauma Surg** 1986;104(6):357–62

Role of synovial fluid cells in the healing of flexor tendons. Menon J, et al. **Clin Orthop** 1985 Oct;(199):300–5

Measurement of knee tendon reflex latencies in lumbar radicular syndromes. de Weerd AW, et al. **Eur Neurol** 1986; 25(4):304–8

Lid retraction and levator aponeurosis defects in Graves' eye disease. Frueh BR, et al. **Ophthalmic Surg** 1986 Apr; 17(4):216–20

Functional, mechanical, and biochemical assessment of ultrasound therapy on tendon healing in the chicken toe. Stevenson JH, et al. **Plast Reconstr Surg** 1986 Jun; 77(6):965–72

RADIOGRAPHY

Radiographic anatomy of tendon sheaths and bursae in the horse. Hago BE, et al. **Equine Vet J** 1986 Mar;18(2):102–6

SURGERY

Resection of the palmaris longus tendon in surgery for Dupuytren's contracture. Nieminen S, et al. **Ann Chir Gynaecol** 1986;75(3):164–7

Idiopathic muscular torticollis in adults. Results of open sternocleidomastoid tenotomy. Ippolito E, et al. **Arch Orthop Trauma Surg** 1986;105(1):49–54

A technique for lateral retinacular release. Yerys P. **Arthroscopy** 1985;1(4):233–6

The inhibition of flexor tendon adhesions. Green S, et al. **Bull Hosp Jt Dis Orthop Inst** 1986 Spring;46(1):16–21

The role of Na–hylan in reducing postsurgical tendon adhesions. Weiss C, et al. **Bull Hosp Jt Dis Orthop Inst** 1986 Spring;46(1):9–15

Functional repair of rabbit gastrocnemius tendons using carbon fibers. Keating EM, et al. **Clin Orthop** 1986 Aug; (209):292–7

Biceps tenodesis for painful inferior subluxation of the shoulder in adult acquired hemiplegia. Pinzur MS, et al. **Clin Orthop** 1986 May;(206):100–3

Symposium on flexor tendon surgery. **Hand Clin** 1985 Feb; 1(1):1–194

Modified suture technique for six–tailed fascia lata graft to slim palmaris longus tendon. A preliminary case report. Beine A. **Indian J Lepr** 1985 Apr–Jun;57(2):393–5

Rationale of the substitute "valve" operation by technique II in the treatment of chronic venous insufficiency. Psathakis ND, et al. **Int Angiol** 1985 Oct–Dec;4(4):397–412

Temporal augmentation in bilateral habitual dislocation of the temporomandibular joint. Varma AK. **Int J Oral Maxillofac Surg** 1986 Apr;15(2):187–9

Subluxation of the peroneal tendons. A report of two cases. Hanam SR, et al. **J Am Podiatr Med Assoc** 1986 May; 76(5):286–91

Ligament and tendon substitution with composite carbon fiber strands. Mendes DG, et al. **J Biomed Mater Res** 1986 Jul–Aug;20(6):699–708

Combined anterior cruciate–ligament reconstruction using semitendinosus tendon and iliotibial tract [letter] Gidumal R. **J Bone Joint Surg [Am]** 1986 Jul;68(6):952–3

A new stitch for ligament–tendon fixation. Brief note. Krackow KA, et al. **J Bone Joint Surg [Am]** 1986 Jun; 68(5):764–6

Combined anterior cruciate–ligament reconstruction using semitendinosus tendon and iliotibial tract. Zarins B, et al. **J Bone Joint Surg [Am]** 1986 Feb;68(2):160–77

A new technique for tenodesis of the tibialis posterior in the Kidner procedure. Zinsmeister B, et al. **J Foot Surg** 1985 Nov–Dec;24(6):442–4

The effect of vincular injury on the results of flexor tendon surgery in zone 2. Amadio PC, et al. **J Hand Surg [Am]** 1985 Sep;10(5):626–32

A new tendon pulley passer. Arons MS. **J Hand Surg [Am]** 1985 Sep;10(5):758–9

Fascia patch graft for a digital flexor sheath defect over primary tendon repair in the chicken. Kesaler FB, et al. **J Hand Surg [Am]** 1986 Mar;11(2):241–5

Development of a synthetic replacement for the flexor tendon pulleys—an experimental study. Peterson WW, et al. **J Hand Surg [Am]** 1986 May;11(3):403–9

Arthroscopic blades in flexor tenolysis of the hand. Schreiber DR. **J Hand Surg [Am]** 1986 Jan;11(1):144–5

The fate of tendon healing after restoration of the integrity of the tendon sheath with autogenous vein grafts. Strauch B, et al. **J Hand Surg [Am]** 1985 Nov;10(6 Pt 1):790–5

Finger mobility following flexor tendon repair. Phillips GF, et al. **J Hand Surg [Br]** 1985 Oct;10(3):337–9

Primary flexor tendon repair: the mechanical limitations of the modified Kessler technique. Wade PJ, et al. **J Hand Surg [Br]** 1986 Feb;11(1):71–6

A comparative study of different methods of tendon lengthening: an experimental study in rabbits. Nather A, et al. **J Pediatr Orthop** 1986 Jul–Aug;6(4):456–9

Popliteal artery entrapment: diagnosis by computed tomography. Williams LR, et al. **J Vasc Surg** 1986 Feb; 3(2):360–3

Experimental coating of flexor tendons with polyvinylpyrrolidone to reduce postoperative adhesions [letter] Hurwitz PJ, et al. **Plast Reconstr Surg** 1985 Nov; 76(5):798–9

New fiber for ligament and tendon prosthesis. Rey P, et al. **Trans Am Soc Artif Intern Organs** 1985;31:305–7

[Flexor tenolysis of the hand] Simesen K, et al. **Ugeskr Laeger** 1985 Dec 9;147(50):4110–2 (Eng. Abstr.) **(Dan)**

[Suture of the deep flexor tendon at the distal part of No Man's Land. A technic used in 23 cases] Foucher G, et al. **Rev Chir Orthop** 1986;72(3):227–9 (Eng. Abstr.) **(Fre)**

[Reinforcement of the tension of the knee extensor apparatus in triple–flexion gait in children with motor disorders] Normand X, et al. **Rev Chir Orthop** 1985;71(5):301–10 (Eng. Abstr.) **(Fre)**

[Masseterplasty in facial paralysis. Use of the Gore–Tex (PTFE) soft tissue patch as a tendon rein] Daigeler R, et al. **Fortschr Med** 1986 Apr 17;104(15):304–6 (Eng. Abstr.) **(Ger)**

[History of flexor tendon surgery] Belusa M. **Zentralbl Chir** 1985;110(19):1224–9 (Eng. Abstr.) **(Ger)**

[Biological arthroplasty of the knee: an unforgettable intervention? Review of Rizzoli Orthopedic Institute cases] Giunti A, et al. **Chir Organi Mov** 1985 Jan–Mar;70(1):71–5 (Eng. Abstr.) **(Ita)**

[Neglected sectioning of the patellar tendon repaired with a dacron arterial graft] Motioc N, et al. **Rev Chir [Chir]** 1985 Jul–Aug;34(4):247–9 (Eng. Abstr.) **(Rum)**

[A collapsible bougie–guide for operations on tendons] Oshukova SM, et al. **Vestn Khir** 1985 Sep;135(9):130–1 **(Rus)**

TRANSPLANTATION

Secondary repair of digital flexor tendons in outpatient clinic. Jaroma H, et al. **Ann Chir Gynaecol** 1985;74(4):176–9

Ankle stabilization and primary repair with a peroneus brevis tendon graft. Kuwada GT. **J Foot Surg** 1986 Mar–Apr; 25(2):139–45

Tendon interposition arthroplasty for degenerative arthritis of the trapeziometacarpal joint of the thumb. Eaton RG, et al. **J Hand Surg [Am]** 1985 Sep;10(5):645–54

Evaluation of glutaraldehyde-treated tendon xenograft. Smith DJ Jr, et al. **J Hand Surg [Am]** 1986 Jan;11(1):97–106

Stalked patellar tendon graft in reconstruction of the anterior cruciate ligament. Eriksson E. **Orthopedics** 1986 Feb; 9(2):205–11

[Replacement of both cruciate ligaments with a single transplant from the extensor system. Bicross quadricipital ligamentoplasty] Lerat JL, et al. **Rev Chir Orthop** 1986; 72(3):223–6 (Eng. Abstr.) **(Fre)**

[Value of interpositional plastic surgery (bridge graft) within

the framework of secondary flexor tendon repair surgery] Schiewe R. **Beitr Orthop Traumatol** 1985 Jun;32(6):276–81 (Eng. Abstr.) **(Ger)**

[Experimental reconstruction of flexor tendon injuries with a free transplant tendon–tendon sheath unit] Biró V, et al. **Handchir Mikrochir Plast Chir** 1985 Nov;17 Suppl:8–12 (Eng. Abstr.) **(Ger)**

[Evaluation of the bioplastic properties of preserved tendon allotransplants (experimental–clinical study)] Stakheev IA, et al. **Ortop Travmatol Protez** 1985 Sep;(9):47–50 (Eng. Abstr.) **(Rus)**

[Method of treating chronic injuries of the knee joint extensor system] Giul'nazarova SV. **Vestn Khir** 1986 Jan;136(1):67–9 (Eng. Abstr.) **(Rus)**

[Methods of sterilizing and preserving tendon transplants] Savel'ev VI, et al. **Vestn Khir** 1986 Mar;136(3):85–8 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Three–dimensional structure of the murine muscle–tendon junction. Trotter JA, et al. **Anat Rec** 1985 Sep;213(1):16–25

A morphometric analysis of the muscle–tendon junction. Trotter JA, et al. **Anat Rec** 1985 Sep;213(1):26–32

Myotendinous junctions of tonic muscle cells: structure and loading. Tidball JG, et al. **Cell Tissue Res** 1986; 245(2):315–22

Ultrastructural aspects of rat tail tendon sheaths. Strocchi R, et al. **J Anat** 1985 Jan;140 (Pt 1):57–67

Crystalline regions in collagen fibrils. Hulmes DJ, et al. **J Mol Biol** 1985 Aug 5;184(3):473–7

The macromolecular structure of collagen in tendon fibres of dermatosparactic animals. Mosler E, et al. **Z Naturforsch [C]** 1986 Apr;41(4):489–92

[Fine structural changes in degenerative tendinopathy] Józsa L, et al. **Zentralbl Allg Pathol** 1986;131(5):429–35 (Eng. Abstr.) **(Ger)**

[Fibrous framework of human skeletal muscles, fasciae and tendons] Khoroshkov IuA, et al. **Arkh Anat Gistol Embriol** 1985 Nov;89(11):81–7 (Eng. Abstr.) **(Rus)**

TENDONS, PARA–ARTICULAR

Ultrasonographic evaluation of the rotator cuff and biceps tendon [letter] Hall F. **J Bone Joint Surg [Am]** 1986 Jul; 68(6):930–1

[A case of concurrent subcutaneous injury of the right quadriceps tendon and the left rotular tendon in rheumatoid arthritis] Pessina R, et al. **Chir Ital** 1985 Dec;37(6):679–83 (Eng. Abstr.) **(Ita)**

[Rupture of the tendons of the finger extensors in patients with rheumatoid arthritis] Zawidzka–Niewiadomska W. **Chir Narzadow Ruchu Ortop Pol** 1985;50(6):488–91 (Eng. Abstr.) **(Pol)**

ABNORMALITIES

Multiple anomalous tendons of the fourth dorsal compartment. Cusenz BJ, et al. **J Hand Surg [Am]** 1986 Mar;11(2):263–4

[Etiopathology of camptodactyly (case report and literature review)] Martini AK, et al. **Z Orthop** 1985 Nov–Dec; 123(6):943–6 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Anatomy and biomechanics of the digital flexor tendons. Idler RS. **Hand Clin** 1985 Feb;1(1):3–11

Digital flexor tendon sheath: an anatomic study. Strauch B, et al. **J Hand Surg [Am]** 1985 Nov;10(6 Pt 1):785–9

[Connective tissue reinforcing structures of the digital tendon sheaths of the human hand] Knott C, et al. **Gegenbaurs Morphol Jahrb** 1986;132(1):1–28 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

Flexor tendon nutrition. Manske PR, et al. **Hand Clin** 1985 Feb;1(1):13–24 (50 ref.)

Vascularized transfer of the adductor magnus tendon and its osseous insertion: a preliminary report. Masquelet AC, et al. **J Reconstr Microsurg** 1985 Jan;1(3):169–76

INJURIES

Recurrent dislocation of the peroneal tendons. Results of rerouting the tendons under the calcaneofibular ligament. Martens MA, et al. **Am J Sports Med** 1986 Mar–Apr; 14(2):148–50

Avulsion of the popliteus tendon. A rare cause of chondral fracture and hemarthrosis. Naver L, et al. **Am J Sports Med** 1985 Nov–Dec;13(6):423–4

Flexor tendon division at "no–man's land" of the hand treated by primary suture and passive controlled mobilization. Korkala O, et al. **Ann Chir Gynaecol** 1985;74(3):142–5

The acromioclavicular joint cyst. An unusual presentation of a rotator cuff tear. Craig EV. **Clin Orthop** 1986 Jan; (202):189–92

Sports–related tendon injuries of the foot and ankle. Gudas CJ. **Clin Podiatr Med Surg** 1986 Apr;3(2):303–19 (54 ref.)

Management of acute flexor tendon injury in the hand. Cooney WP, et al. **Instr Course Lect** 1985;34:373–81

Delayed rupture of a flexor tendon secondary to fracture of the lunate. Minami A, et al. **Ital J Orthop Traumatol** 1985 Jun;11(2):233–6

Repair of distal flexor tendon injuries utilizing an internal splint: a new technique. D'Amato KE, et al. **J Am Osteopath Assoc** 1985 Nov;85(11):742–6

Rupture of the posterior tibial tendon causing flat foot. Surgical treatment [letter] **J Bone Joint Surg [Am]** 1985 Dec;67(9):1448–9

Acromial stress fractures associated with cuff–tear arthropathy. A report of three cases. Dennis DA, et al. **J Bone Joint Surg [Am]** 1986 Jul;68(6):937–40

Surgical treatment of tears of the rotator cuff in athletes. Tibone JE, et al. **J Bone Joint Surg [Am]** 1986 Jul; 68(6):887–91

Delayed reconstruction of the calcaneal tendon. Barnes MJ, et al. **J Bone Joint Surg [Br]** 1986 Jan;68(1):121–4

Rupture of the central slip of the extensor hood of the finger. A test for early diagnosis. Elson RA. **J Bone Joint Surg [Br]** 1986 Mar;68(2):229–31

Traumatic bilateral patellar tendon rupture with chronic renal disease. Sullivan RL. **Wis Med J** 1986 Feb;85(2):12–3

[Rupture of the tendon of the quadriceps thigh muscle] de Waal Malefijt J, et al. **Ned Tijdschr Geneeskd** 1985 Nov 16;129(46):2221–3 (Eng. Abstr.) **(Dut)**

[Expert testimony on rotator cuff rupture] Ludolph E, et al. **Aktuel Traumatol** 1985 Aug;15(4):175–9 (Eng. Abstr.) **(Ger)**

[Flexor tendon suture of the hand—Kleinert primary suture and early secondary suture] Fritsch J. **Beitr Orthop Traumatol** 1986 May;33(5):255–9 (Eng. Abstr.) **(Ger)**

[Distal biceps tendon rupture—a rare event] Henning N, et al. **Beitr Orthop Traumatol** 1986 Jan;33(1):44–7 (Eng. Abstr.) **(Ger)**

[Late results of flexor tendon sutures in a "no man's land" of the hand] Biró V, et al. **Handchir Mikrochir Plast Chir** 1986 Mar;18(2):73–6 (Eng. Abstr.) **(Ger)**

[Flexor tendon injuries in childhood] Höllwarth M, et al. **Z Kinderchir** 1985 Oct;40(5):294–8 (Eng. Abstr.) **(Ger)**

INNERVATION

[Various problems of the etiology and pathogenesis of Dupuytren's contracture] Mikusev IE. **Ortop Travmatol Protez** 1986 May;(5):28–9 **(Rus)**

METABOLISM

Nutrition of cruciate ligament reconstruction by diffusion. Collagen synthesis studied in rabbits. Amiel D, et al. **Acta Orthop Scand** 1986 Jun;57(3):201–3

The effect of flexor sheath integrity on nutrient uptake by chicken flexor tendons. Peterson WW, et al. **Clin Orthop** 1985 Dec;(201):259–63

Flexor tendon physiology: tendon nutrition and cellular activity in injury and repair. Gelberman RH. **Instr Course Lect** 1985;34:351–60

The phenomenon of "ligamentization": anterior cruciate ligament reconstruction with autogenous patellar tendon. Amiel D, et al. **J Orthop Res** 1986;4(2):162–72

PATHOLOGY

Carpal tunnel syndrome. Anatomical and clinical investigation. Pitiälä H, et al. **Arch Orthop Trauma Surg** 1985;104(2):69–73

Factors influencing flexor tendon adhesions. Gelberman RH, et al. **Hand Clin** 1985 Feb;1(1):35–42

Ultrasonographic evaluation of the rotator cuff and biceps tendon. Middleton WD, et al. **J Bone Joint Surg [Am]** 1986 Mar;68(3):440–50

Profundus tendon blockage: quadriga in finger amputations. Neu BR, et al. **J Hand Surg [Am]** 1985 Nov;10(6 Pt 1):878–83

[Animal experiment studies on the topic of regeneration of the synovial membrane following synovectomy of flexor tendons in the so–called no man's land] Martini AK. **Handchir Mikrochir Plast Chir** 1986 Jul;18(4):199–203 (Eng. Abstr.) **(Ger)**

[Calcific tendinitis. Clinical aspects, morphology, pathogenesis and differential diagnosis] Remberger K, et al. **Pathologe** 1985 Jul;6(4):196–203 **(Ger)**

PHYSIOLOGY

Flexor tendon healing. Manske PR, et al. **Hand Clin** 1985 Feb;1(1):25–34 (60 ref.)

Comparison of material properties in fascicle–bone units from human patellar tendon and knee ligaments. Butler DL, et al. **J Biomech** 1986;19(6):425–32

Flexor tendon repair. Gelberman RH, et al. **J Orthop Res** 1986;4(1):119–28

Effect of pulley excision on flexor tendon biomechanics. Peterson WW, et al. **J Orthop Res** 1986;4(1):96–101

The three–dimensional active rotary stabilization of the knee. Bonnel F, et al. **Surg Radiol Anat** 1986;8(1):37–42

[Glide amplitude of flexor and extensor tendons of the fingers of the human hand] Schmidt HM, et al. **Handchir Mikrochir Plast Chir** 1985 Nov;17(6):307–13 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Gait electromyographic evaluation of the long–toe flexors in children with spastic cerebral palsy. Skinner SR, et al. **Clin Orthop** 1986 Jun;(207):70–3

Biomechanical evaluation of an adjustable patellar tendon bearing prosthesis. Mizrahi J, et al. **Scand J Rehabil Med [Suppl]** 1985;12:117–23

SURGERY

Sonographic and arthrographic assessment of the shoulder after operative repair of a torn rotator cuff [letter] Hall FM. **AJR** 1986 Sep;147(3):646–7

Experimental osteoarthritis induced by selective myectomy and tendotomy. Arsever CL, et al. **Arthritis Rheum** 1986 Feb;29(2):251–61

Reconstruction of chronic massive rotator cuff tears with synthetic materials. Ozaki J, et al. **Clin Orthop** 1986 Jan; (202):173–83

Hyaluronic acid and its effect on postoperative adhesions in the rabbit flexor tendon. A preliminary look. Thomas SC, et al. **Clin Orthop** 1986 May;(206):281–9

Sports–related extraarticular wrist syndromes. Wood MB, et al. **Clin Orthop** 1986 Jan;(202):93–102

Flexor tendon surgery—today and looking ahead. Tonkin M, et al. **Clin Plast Surg** 1986 Apr;13(2):221–42

Soft tissue digital procedures. Sokoloff HM. **Clin Podiatr Med Surg** 1986 Jan;3(1):23–8

Therapy following flexor tendon surgery. Cannon NM, et al. **Hand Clin** 1985 Feb;1(1):147–65

Tendon salvage and the active tendon implant: a perspective. Hunter JM. **Hand Clin** 1985 Feb;1(1):181–6

Indications and techniques for repair of the flexor tendon sheath. Lister G. **Hand Clin** 1985 Feb;1(1):85–95

Pitfalls and complications of flexor tendon surgery. Lister G. **Hand Clin** 1985 Feb;1(1):133–46

Staged tendon reconstruction. Schneider LH. **Hand Clin** 1985 Feb;1(1):109–20

Flexor tenolysis. Strickland JW. **Hand Clin** 1985 Feb; 1(1):121–32

Flexor tendon repair. Strickland JW. **Hand Clin** 1985 Feb; 1(1):55–68 (73 ref.)

Opinions and preferences in flexor tendon surgery. Strickland JW. **Hand Clin** 1985 Feb;1(1):187–91

Results of flexor tendon surgery in zone II. Strickland JW. **Hand Clin** 1985 Feb;1(1):167–79

Repair of the flexor pollicis longus. Urbaniak JR. **Hand Clin** 1985 Feb;1(1):69–76

Flexor tendon grafting. Wilson RL. **Hand Clin** 1985 Feb; 1(1):97–107

Management of acute flexor tendon injuries in the hand. Kleinert HE, et al. **Instr Course Lect** 1985;34:361–72

The surgical treatment of infantile flat foot. A new expanding endo–orthotic implant. Giannini S, et al. **Ital J Orthop Traumatol** 1985 Sep;11(3):315–22

Acquired adult flat foot secondary to posterior tibial–tendon pathology. Funk DA, et al. **J Bone Joint Surg [Am]** 1986 Jan;68(1):95–102

Two–stage flexor–tendon reconstruction. Ten–year experience. Wehbé MA, et al. **J Bone Joint Surg [Am]** 1986 Jun;68(5):752–63

Strength of carbon and polyester fibre tendon replacements. Variation after operation in rabbits. Amis AA, et al. **J Bone Joint Surg [Br]** 1985 Nov;67(5):829–34

Long–term results of early surgical release in club feet. Hutchins PM, et al. **J Bone Joint Surg [Br]** 1985 Nov; 67(5):791–9

The early stages of flexor tendon healing: a morphologic study of the first fourteen days. Gelberman RH, et al. **J Hand Surg [Am]** 1985 Nov;10(6 Pt 1):776–84

Chronic painful subluxation of the metacarpal phalangeal joint extensor tendons. Saldana MJ, et al. **J Hand Surg [Am]** 1986 May;11(3):420–3

Fibroma of tendon sheath. Sarma DP, et al. **J Surg Oncol** 1986 Aug;32(4):230–2

Basal joint arthritis. Fusion, implant, or soft tissue reconstruction? Burton RI. **Orthop Clin North Am** 1986 Jul;17(3):493–503 (48 ref.)

Philosophy of flexor tendon surgery. Potenza AD. **Orthop Clin North Am** 1986 Jul;17(3):349–52

Percutaneous extensor tenotomy for chronic tennis elbow: an office procedure. Yerger B, et al. **Orthopedics** 1985 Oct; 8(10):1261–3

Intrinsic tendon healing. A new experimental model. Lundborg G, et al. **Scand J Plast Reconstr Surg** 1985; 19(2):113–7

The vastus lateralis derived flap for repair of neglected rupture of the quadriceps femoris tendon. Oni OO, et al. **Surg Gynecol Obstet** 1985 Oct;161(4):385–7

[The significance of synovectomy of the joints and tendon sheaths in rheumatic diseases] Popelka S. **Rozhl Chir** 1985 Dec;64(12):831–5 (Eng. Abstr.) **(Cze)**

[Personal experience with 2–stage tendon reconstruction using the Hunter–Swanson prosthesis] Carlier A. **Acta Orthop Belg** 1985 Jul–Aug;51(4):723–38 (Eng. Abstr.) **(Fre)**

[Spontaneous bilateral avulsion of the quadriceps tendon (a case) and simultaneous bilateral rupture of the patellar tendon (a case). Problems of the surgical technic] Touzard RC. **Chirurgie** 1985;111(8):632–5 (Eng. Abstr.) **(Fre)**

[The treatment of old lesions of the median nerve] Le Viet D. **Rev Chir Orthop** 1985;71 Suppl 2:62–5 **(Fre)**

[Tendon tunnel syndrome of the shoulder joint] Zöller R. **Beitr Orthop Traumatol** 1986 Feb;33(2):96–9 (Eng. Abstr.) **(Ger)**

[Special synthetic radiopaque bands for the plastic repair of

ligaments and tendons] Movshovich IA, et al. **Ortop Travmatol Protez** 1986 Apr;(4):53–5 **(Rus)**

[Clinico-experimental substantiation of primary suture of the tendons of the superficial flexors of the fingers] Tkachenko SS, et al. **Ortop Travmatol Protez** 1986 May;(5):1–5 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

A biomechanical study of human lateral ankle ligaments and autogenous reconstructive grafts. Attarian DE, et al. **Am J Sports Med** 1985 Nov–Dec;13(6):377–81

Replacement of the anterior cruciate ligament using a patellar tendon allograft. An experimental study. Arnoczky SP, et al. **J Bone Joint Surg [Am]** 1986 Mar;68(3):376–85

Anterior cruciate ligament reconstruction using part of the patellar tendon as a free graft. Paterson FW, et al. **J Bone Joint Surg [Br]** 1986 May;68(3):453–7

Use of bioprosthetic tendon in digital pulley reconstruction—an experimental study. Cheng JC, et al. **J Hand Surg [Br]** 1986 Jun;11(2):225–30

Disappointing outcomes in staged flexor tendon grafting for isolated profundus loss. Sullivan DJ. **J Hand Surg [Br]** 1986 Jun;11(2):231–3

[Anterior cruciate ligament–plasty with a free transplant from the patellar ligament] Holzach P, et al. **Unfallchirurg** 1986 Apr;89(4):176–82 (Eng. Abstr.) **(Ger)**

[Treatment of fresh and aged cruciate ligament ruptures with combined autologous and alloplastic reinforced tendon transplant (polypropylene ligament)] Bernett P, et al. **Unfallchirurgie** 1985 Oct;11(5):251–8 (Eng. Abstr.) **(Ger)**

[Tendinous allogenic transplants for plastic surgery of articular ligaments] Roskov RV. **Ortop Travmatol Protez** 1986 May;(5):35–6 **(Rus)**

TENEBRIO

[Preference for a direction of movement in a T-shaped maze by the mealworm] Bianki VL, et al. **Zh Vyssh Nerv Deiat** 1985 Sep–Oct;35(5):988–90 **(Rus)**

ANALYSIS

[Biochemical and biophysical characterization of collagen in Tenebrio molitor L. (Coleoptera, Tenebrionidae)] Francois J. **Biochimie** 1985 Sep;67(9):1035–42 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Constancy and divergence of amylase loci in four species of Tribolium (Coleoptera, Tenebrionidae). Pope GJ, et al. **Comp Biochem Physiol [B]** 1986;83(2):331–3

GROWTH & DEVELOPMENT

[Variations in acetylcholinesterase activity of the brain of Tenebrio molitor (Coleoptera) during metamorphosis and ecdysterone titer] Lenoir-Rousseaux JJ, et al. **C R Soc Biol (Paris)** 1986;180(1):22–8 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Cell type-specific antigens identified with monoclonal antibodies in the accessory glands of male mealworm beetles. Grimnes KA, et al. **Prog Clin Biol Res** 1986; 217B:325–8

PARASITOLOGY

Hymenolepis diminuta: effect of metacestodes on production and viability of eggs in the intermediate host, Tenebrio molitor. Hurd H, et al. **J Invertebr Pathol** 1986 Mar; 47(2):225–30

Hymenolepis diminuta: influence of metacestodes on synthesis and secretion of fat body protein and its ovarian sequestration in the intermediate host, Tenebrio molitor. Hurd H, et al. **Parasitology** 1986 Aug;93 (Pt 1):111–20

PHYSIOLOGY

The effect of certain anions on muscle resting potential in Tenebrio molitor. Janiszewski L, et al. **Acta Physiol Pol** 1985 Mar–Apr;36(2):112–6

The influence of KCl on the resting potential of Tenebrio molitor larva and imago muscle. Janiszewski L, et al. **Gen Physiol Biophys** 1985 Oct;4(5):537–40

[Effects of pranic exposure on Tenebrio molitor larvae] Donna A. **Minerva Med** 1986 Apr 7;77(14–15):600–1 **(Ita)**

TENIPOSIDE see under **PODOPHYLLOTOXIN**

TENNECETIN see **PIMARICIN**

TENNIS see under **SPORTS**

TENNIS ELBOW

[Enthesiopathy in athletes] Frýba J, et al. **Cas Lek Cesk** 1986 Apr 11;125(15):457–9 (Eng. Abstr.) **(Cze)**

[Epicondylitis] Milano L. **Minerva Med** 1986 Apr 28; 77(18):767–70 **(Ita)**

COMPLICATIONS

[Epicondylalgia with compression of the posterior branch of the radial nerve] Comtet JJ, et al. **Rev Chir Orthop** 1985; 71 Suppl 2:89–93 **(Fre)**

DIAGNOSIS

[Enthesiopathy of the lateral epicondyle of the humerus. II. Thermography and thermometry of the elbow joint] Koudela K, et al. **Acta Chir Orthop Traumatol Cech** 1985 Oct;52(5):415–6 (Eng. Abstr.) **(Cze)**

[A diagnostic sign in so-called epicondylitis humeri radialis] Coenen W. **Z Orthop** 1986 May–Jun;124(3):323–6 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Randomized trial of oral naproxen or local injection of betamethasone in lateral epicondylitis of the humerus. Saartok T, et al. **Orthopedics** 1986 Feb;9(2):191–4

[Results of the treatment of humeral epicondylitis in Baildon foundry workers in Katowice by local injections of Depo-Medrol] Otroszkiewicz J. **Med Pr** 1985;36(5):337–42 (Eng. Abstr.) **(Pol)**

ETIOLOGY

[Enthesiopathy of the lateral epicondyle of the humerus. I. Etiopathogenesis] Koudela K, et al. **Acta Chir Orthop Traumatol Cech** 1985 Oct;52(5):405–14 (Eng. Abstr.) **(Cze)**

OCCURRENCE

Baseball elbow of young players. Iwase T, et al. **Tokushima J Exp Med** 1985 Dec;32(3–4):57–64

PATHOLOGY

Lateral epicondylitis. A review of structures associated with tennis elbow. Briggs CA, et al. **Anat Clin** 1985;7(3):149–53

[Enthesiopathy of the lateral humeral epicondyle. IV. Pathologico-anatomic findings and their correlation] Janda J, et al. **Acta Chir Orthop Traumatol Cech** 1985 Dec; 52(6):500–4 (Eng. Abstr.) **(Cze)**

RADIOGRAPHY

Case report 355: Delayed closure of the right olecranon epiphysis in a right-handed, tournament-class tennis player (post-traumatic). Retrum RK, et al. **Skeletal Radiol** 1986; 15(2):185–7

[Injuries of the medial epicondyle of the humerus in children. Conservative or surgical therapy?] Zanella FE, et al. **ROFO** 1985 Sep;143(3):346–50 (Eng. Abstr.) **(Ger)**

[Radiological symptoms of so-called humeral epicondylitis] Otroszkiewicz J. **Chir Narzadow Ruchu Ortop Pol** 1985; 50(3):201–5 (Eng. Abstr.) **(Pol)**

RADIOTHERAPY

[Laser therapy in diseases of the locomotor apparatus and skin at a polyclinic] Pashnev VIa, et al. **Voen Med Zh** 1986 Mar;(3):42–4 **(Rus)**

SURGERY

Surgical treatment of tennis elbow. Chotigavanich C. **J Med Assoc Thai** 1986 Jun;69(6):301–8

Simple lateral release in treatment of tennis elbow. Calvert PT, et al. **J R Soc Med** 1985 Nov;78(11):912–5

Percutaneous extensor tenotomy for chronic tennis elbow: an office procedure. Yerger B, et al. **Orthopedics** 1985 Oct; 8(10):1261–3

[Tennis elbow. Treatment with a modified Bosworth III technic] Christensen F, et al. **Ugeskr Laeger** 1985 Oct 14; 147(42):3312–4 (Eng. Abstr.) **(Dan)**

[Tennis elbow. Treatment of disabling forms by ablation of the humeroradial meniscus] Benassy J, et al. **Chirurgie** 1985; 111(6):494–8 (Eng. Abstr.) **(Fre)**

[Epicondylitis: surgical approach] Della Santa DR, et al. **Schweiz Z Sportmed** 1985 Sep;33(3):95–8 (Eng. Abstr.) **(Fre)**

[Results of ulnar nerve displacement of epicondylitis ulnaris] Schwarz B, et al. **Beitr Orthop Traumatol** 1985 Sep; 32(9):445–50 (Eng. Abstr.) **(Ger)**

[Epicondylitis humeri radialis with special reference to the Wilhelm operation] Wanivenhaus A, et al. **Wien Klin Wochenschr** 1986 May 30;98(11):338–41 (Eng. Abstr.) **(Ger)**

[Pathogenesis and therapy of tennis elbow] Ricklin P. **Z Unfallchir Versicherungsmed Berufskr** 1985;78(4):267–8 **(Ger)**

THERAPY

Treatment for lateral epicondylitis: variables related to recovery. Gerberich SG, et al. **Br J Sports Med** 1985 Dec; 19(4):224–7

Chronic lateral humeral epicondylitis—a double-blind controlled assessment of pulsed electromagnetic field therapy. Devereaux MD, et al. **Clin Exp Rheumatol** 1985 Oct–Dec;3(4):333–6

Tennis elbow [letter] Magdulski G. **Med J Aust** 1986 Mar 31;144(7):391

[Enthesiopathy of the lateral humeral epicondyle. III. Therapy] Koudela K. **Acta Chir Orthop Traumatol Cech** 1985 Dec;52(6):489–99 (Eng. Abstr.) **(Cze)**

[Therapy of epicondylitis of the humerus] **Z Arztl Fortbild (Jena)** 1986;80(4):181–2 **(Ger)**

TENOSYNOVITIS

Overuse syndrome, alias tenosynovitis/tendinitis: the terminological hoax. Fry HJ. **Plast Reconstr Surg** 1986 Sep; 78(3):414–7

COMPLICATIONS

Trigger thumb of de Quervain's disease. Viegas SF. **J Hand Surg [Am]** 1986 Mar;11(2):235–7

[The median nerve and phlegmons of the digito-carpal sheathes] Debrie JE. **Ann Chir Main** 1985;4(3):242–5 (Eng. Abstr.) **(Fre)**

[Rupture of the tendons of the finger extensors in patients with rheumatoid arthritis] Zawidzka-Niewiadomska W. **Chir Narzadow Ruchu Ortop Pol** 1985;50(6):488–91 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Sarcoid tenosynovitis in the hand. A case report and literature review. Merle M, et al. **J Hand Surg [Br]** 1986 Jun;11(2):281–6

"Tenosynovitis" [editorial] Semple C. **J Hand Surg [Br]** 1986 Jun;11(2):155–6

Achilles tendon: US diagnosis of pathologic conditions. Work in progress. Blei CL, et al. **Radiology** 1986 Jun;159(3):765–7

[Use of thermography for the diagnosis of synovitis, bursitis and tendovaginitis in osteoarthrosis deformans patients] Zabolotnykh II, et al. **Revmatologiia (Moskva)** 1985 Jul–Sep;(3):48–50 (Eng. Abstr.) **(Rus)**

[Tuberculous tenosynovitis of the hand—an overlooked diagnosis?] Ankarcrona H, et al. **Lakartidningen** 1986 May 28;83(22):2053 **(Swe)**

ETIOLOGY

Occurrence of De Quervain's tendinitis during pregnancy. Schumacher HR Jr, et al. **Arch Intern Med** 1985 Nov; 145(11):2083–4

Trigger toe in classical-ballet dancers. Lereim P. **Arch Orthop Trauma Surg** 1985;104(5):325–6

Tenosinovitis in leprosy [letter] Pfaltzgraff RE. **Indian J Lepr** 1986 Jan–Mar;58(1):163–4

Sporothrix schenckii tenosynovitis: a case report. Hay EL, et al. **J Hand Surg [Am]** 1986 May;11(3):431–4

Sarcoid flexor tenosynovitis of the finger: a case report. Stambough JL, et al. **J Hand Surg [Am]** 1986 May; 11(3):436–8

Mycobacterium chelonei tenosynovitis of the hand: a case report. Stern PJ, et al. **J Hand Surg [Am]** 1986 Jul; 11(4):596–9

Candida albicans tenosynovitis of the hand. Yuan RT, et al. **J Hand Surg [Am]** 1985 Sep;10(5):719–22

Haemorrhagic, traumatic tenosynovitis. Dacruz DJ, et al. **J Hand Surg [Br]** 1986 Jun;11(2):223–4

[Tenosynovitis caused by a plant thorn] Piard F, et al. **Arch Anat Cytol Pathol** 1985;33(5–6):257–60 (Eng. Abstr.) **(Fre)**

[2 cases of acquired Brown's syndrome] Berard PV, et al. **Bull Soc Ophtalmol Fr** 1985 May;85(5):655–7 (Eng. Abstr.) **(Fre)**

[Tenosynovitis in chronic inflammatory joint diseases and its sequelae in the area of the hand] Holzhauser P, et al. **Handchir Mikrochir Plast Chir** 1985 Sep;17(5):293–6 (Eng. Abstr.) **(Ger)**

METABOLISM

Flexor tenosynovitis (FTS): a risk indicator of abnormal glucose tolerance. Leden I, et al. **Scand J Rheumatol** 1985; 14(3):293–7

MICROBIOLOGY

Mycobacterium terrae tenosynovitis. Love GL, et al. **J Hand Surg [Am]** 1985 Sep;10(5):730–2

Sterile flexor tenosynovitis of the hand: a report of three cases. Zubowicz VN, et al. **J Hand Surg [Am]** 1986 Jan; 11(1):140–2

PATHOLOGY

Giant cell tumor of the tendon sheath (nodular tenosynovitis). A study of 207 cases to compare the large joint group with the common digit group. Ushijima M, et al. **Cancer** 1986 Feb 15;57(4):875–84

Anatomical variations in the first extensor compartment of the wrist. A clinical and anatomical study. Jackson WT, et al. **J Bone Joint Surg [Am]** 1986 Jul;68(6):923–6

SURGERY

Synovectomy of the hand and wrist. Ferlic DC, et al. **Ann Chir Gynaecol [Suppl]** 1985;198:26–30

Acquired adult flat foot secondary to posterior tibial-tendon pathology. Funk DA, et al. **J Bone Joint Surg [Am]** 1986 Jan;68(1):95–102

Stenosing tenosynovitis of the extensor carpi ulnaris. Hajj AA, et al. **J Hand Surg [Am]** 1986 Jul;11(4):519–20

Tendon sheath infections of the hand. Monstrey SJ, et al. **Neth J Surg** 1985 Dec;37(6):174–8

[Etiology and treatment of trigger finger—digitus saltans] Maar D, et al. **Acta Chir Orthop Traumatol Cech** 1986 Jul;

53(4):291–5 (Eng. Abstr.) (Slo)

THERAPY

DeQuervain tenosynovitis in pregnant and postpartum women. Schned ES. **Obstet Gynecol** 1986 Sep;68(3):411–4

VETERINARY

Pathogenic characteristics of highly virulent avian reovirus, strain 58–132, isolated from a chicken with tenosynovitis. Takase K, et al. **Nippon Juigaku Zasshi** 1985 Aug; 47(4):567–74

Tendon lesions in broiler fowls. Duff SR, et al. **Res Vet Sci** 1986 May;40(3):333–8

TENSILE STRENGTH

A newly designed tensiometer. Lee AH, et al. **Am J Vet Res** 1986 Mar;47(3):683–6

Temperature dependence of the tensile properties of interspinous ligaments of sheep. Hasberry S, et al. **J Biomed Eng** 1986 Jan;8(1):62–6

Comparison of bursting strength between suture- and laser-anastomosed vessels. Quigley MR, et al. **Microsurgery** 1985;6(4):229–32

DRUG EFFECTS

Early decrease in suture line breaking strength. The effect of proposed collagenase inhibition. Högström H, et al. **Res Exp Med (Berl)** 1985;185(6):451–5

TENSOR TYMPANI see under **TYMPANIC MEMBRANE**

TENUAZONIC ACID see under **ANTIBIOTICS, ANTINEOPLASTIC**

TEPA see under **AZIRINES**

TEPROTIDE see under **OLIGOPEPTIDES**

TERATOGENS

see related
ABNORMALITIES, DRUG-INDUCED

Teratogenic effects of lithium and ethanol in the developing fetus. Sharma A, et al. **Alcohol** 1986 Mar–Apr;3(2):101–6

Possible metronidazole teratogenicity and clefting [letter] Greenberg F. **Am J Med Genet** 1985 Dec;22(4):825

Teratogenicity of anticonvulsant drugs [letter] Lammer EJ, et al. **Am J Med Genet** 1985 Nov;22(3):641–5

The value of case reports in human teratology. Goldberg JD, et al. **Am J Obstet Gynecol** 1986 Mar;154(3):479–82

Glucocorticoid receptor IB: mediator of anti-inflammatory and teratogenic functions of both glucocorticoids and phenytoin. Katsumata M, et al. **Arch Biochem Biophys** 1985 Dec;243(2):385–95

Effect of method of administration on the teratogenicity of dinoseb in the rat. Giavini E, et al. **Arch Environ Contam Toxicol** 1986 Jul;15(4):377–84

The toxicity and teratogenicity of mercuric mercury in the pregnant rat. Holt D, et al. **Arch Toxicol** 1986 Apr; 58(4):243–8

Teratogenesis and reproductive safety evaluation of the retinoid etretin (Ro 10-1670). Kistler A, et al. **Arch Toxicol** 1985 Oct;58(1):50–6

In vivo inhibition of adenosine triphosphate (ATP) synthesis associated with thiabendazole-induced teratogenesis in mice and rats. Tsuchiya T, et al. **Arch Toxicol** 1985 Sep; 57(4):243–5

Special committee report, Part I: An evaluation of current testing approaches for the detection of chemically induced aneuploidy. Dellarco VL, et al. **Basic Life Sci** 1985; 36:445–54

Chemical probes and possible targets for the induction of aneuploidy. Liang JC, et al. **Basic Life Sci** 1985;36:491–505

Special committee report, Part II: Quantitative evaluation of chemicals that induce aneuploidy using the genetic activity profile method. Waters MD, et al. **Basic Life Sci** 1985;36:455–90

Assessment of reproductive risks. Clegg ED, et al. **Biol Reprod** 1986 Feb;34(1):5–16

Chronic low dose cyclophosphamide treatment of adult male rats: effect on fertility, pregnancy outcome and progeny. Trasler JM, et al. **Biol Reprod** 1986 Mar;34(2):275–83

Antirheumatic medication in pregnancy [letter] Russell JG. **Br J Rheumatol** 1986 May;25(2):229

Teratologic evaluation of p-dichlorobenzene in the rat. Giavini E, et al. **Bull Environ Contam Toxicol** 1986 Aug; 37(2):164–8

Relationship between specific molecular connectivity indices and teratogenicity, carcinogenicity, and mutagenicity of carbamate pesticides. Murakami M, et al. **Bull Environ Contam Toxicol** 1986 Sep;37(3):326–9

Accutane-induced teratogenesis. Robertson R, et al. **Can Med Assoc J** 1985 Dec 1;133(11):1147–8

Assessment of teratogenic potential of therapeutic agents: preclinical toxicology. Frederick GL. **Clin Invest Med** 1985;8(4):323–7

Effects of toxic chemicals on the reproductive system. AMA Council on Scientific Affairs. **Conn Med** 1986 May; 50(5):321–9

Embryotoxicity and maternal serum concentrations of medroxyprogesterone acetate (MPA) in baboons (Papio cynocephalus). Prahalada S, et al. **Contraception** 1985 Nov; 32(5):497–515

Inhibited intercellular communication as a mechanistic link between teratogenesis and carcinogenesis. Loch-Caruso R, et al. **CRC Crit Rev Toxicol** 1985;16(2):157–83 (230 ref.)

Reproductive hazards in the workplace. Karrh BW. **Del Med J** 1986 Mar;58(3):203–4

Developmental effects associated with exposure to xylene: a review. Hood RD, et al. **Drug Chem Toxicol** 1985; 8(4):281–97 (21 ref.)

Circadian variation in teratogenic response to dexamethasone in mice. Sauerbier I. **Drug Chem Toxicol** 1986;9(1):25–31

Species sensitivities and prediction of teratogenic potential. Schardein JL, et al. **Environ Health Perspect** 1985 Sep; 61:55–67 (95 ref.)

Effects of phthalic acid esters (PAEs) on the neonate and aspects of teratogenic actions. Thomas JA, et al. **Environ Health Perspect** 1986 Mar;65:243–8

Acrolein and embryogenesis: an experimental study. Chhibber G, et al. **Environ Res** 1986 Feb;39(1):44–9

Distribution of tungstate in pregnant mice and effects on embryonic cells in vitro. Wide M, et al. **Environ Res** 1986 Aug;40(2):487–98

Possible involvement of the rat major histocompatibility complex in expression of the gene of the polydactyly-luxate syndrome in interaction with a teratogen. Bílá V, et al. **Folia Morphol (Praha)** 1985;33(4):316–21

Evaluation of the teratogenic potential of three aliphatic nitriles in the rat. Johannsen FR, et al. **Fundam Appl Toxicol** 1986 Jul;7(1):33–40

Chronic toxicity, reproductive, and teratogenic studies with oxamyl. Kennedy GL Jr. **Fundam Appl Toxicol** 1986 Jul; 7(1):106–18

Valproic acid teratogenicity in mice after various administration and phenobarbital-pretreatment regimens: the parent drug and not one of the metabolites assayed is implicated as teratogen. Nau H. **Fundam Appl Toxicol** 1986 May;6(4):662–8

Pharmacologic evaluation of various metabolites and analogs of valproic acid: teratogenic potencies in mice. Nau H, et al. **Fundam Appl Toxicol** 1986 May;6(4):669–76

Teratologic evaluation of dinitrotoluene in the Fischer 344 rat. Price CJ, et al. **Fundam Appl Toxicol** 1985 Oct; 5(5):948–61

Teratogenicity studies of alkylaryl phosphate ester plasticizers in rats. Robinson EC, et al. **Fundam Appl Toxicol** 1986 Jul;7(1):138–43

Teratologic evaluation of dermally applied diethylene glycol monomethyl ether in rabbits. Scortichini BH, et al. **Fundam Appl Toxicol** 1986 Jul;7(1):68–75

Review of recent Vietnamese studies on the carcinogenic and teratogenic effects of phenoxy herbicide exposure. Sterling TD, et al. **Int J Health Serv** 1986;16(2):265–78

Embryotoxicity of stable isotopes and use of stable isotopes in studies of teratogenetic mechanisms. Spielmann H, et al. **J Clin Pharmacol** 1986 Jul–Aug;26(6):474–80

The significance of receptor physiology for corticosterone-induced cleft palate in A/J mice. Brown KS, et al. **J Craniofac Genet Dev Biol [Suppl]** 1985; 1:299–304

Assessment of teratogenic potential of trichlorfon in mice and rats. Courtney KD, et al. **J Environ Sci Health [B]** 1986 Jun;21(3):207–27

Teratogenic evaluation of the pesticides baygon, carbofuran, dimethoate and EPN. Courtney KD, et al. **J Environ Sci Health [B]** 1985 Aug;20(4):373–406

Teratogenic potential of valproic acid. Hanold KC. **J Obstet Gynecol Neonatal Nurs** 1986 Mar–Apr;15(2):111–6 (23 ref.)

Effects on the fetus of maternal benomyl exposure in the protein-deprived rat. Zeman FJ, et al. **J Toxicol Environ Health** 1986;17(4):405–17

Metronidazole and alcohol in pregnancy [letter] Damjanov I. **JAMA** 1986 Jul 25;256(4):472

Is selenium a teratogen? [letter] Shamberger RJ. **Lancet** 1971 Dec 11;2(7737):1316

Debendox [letter] **Med J Aust** 1986 Jan 6;144(1):51–2

Debendox and birth defects [letter] Hocking B. **Med J Aust** 1985 Oct 14;143(8):368

In vitro teratogenicity of acetylsalicylic acid on rat embryos: studies with various culture conditions. Cicurel L, et al. **Methods Find Exp Clin Pharmacol** 1986 Apr;8(4):227–32

Sulphonated phthalocyanine induced caudal malformative syndrome in the chick embryo. Sandor S, et al. **Morphol Embryol (Bucur)** 1985 Jul–Sep;31(3):173–81

An historical perspective on behavioral teratology. Butcher RE. **Neurobehav Toxicol Teratol** 1985 Nov–Dec; 7(6):537–40

d-Amphetamine as a behavioral teratogen: effects depend on dose, sex, age and task. Holson R, et al. **Neurobehav Toxicol Teratol** 1985 Nov–Dec;7(6):753–8

Comparison of behavioral teratogenic effects of ethanol and n-propanol administered by inhalation to rats. Nelson BK, et al. **Neurobehav Toxicol Teratol** 1985 Nov–Dec; 7(6):779–83

Postnatal effects of maternal exposure to nitrogen dioxide. Tabacova S, et al. **Neurobehav Toxicol Teratol** 1985 Nov–Dec;7(6):785–9

The behavioral toxicology and teratology of childhood: models, methods, and implications for intervention. Pearson DT, et al. **Neurotoxicology** 1985 Fall;6(3):165–81

Genetic counseling for teratogen exposure. King CR. **Obstet Gynecol** 1986 Jun;67(6):843–6

Self-poisoning as a model for the study of mutagenicity and teratogenicity of chemicals in human beings. Czeizel A. **Prog Clin Biol Res** 1986;209B:237–44

Relation between mutagenesis, carcinogenesis and teratogenesis—experience from the IARC monographs programme. Tomatis L. **Prog Clin Biol Res** 1986;209B:3–12

A review of advances in prescreening for teratogenic hazards. Johnson EM. **Prog Drug Res** 1985;29:121–54 (113 ref.)

Health effects of phenoxy herbicides. A review. Sterling TD, et al. **Scand J Work Environ Health** 1986 Jun;12(3):161–73 (69 ref.)

Study estimates higher risk from ethylene oxide exposure [news] Sun M. **Science** 1986 Jan 31;231(4737):448

Analysis of the activity of DNA, RNA, and protein synthesis inhibitors on Xenopus embryo development. Courchesne CL, et al. **Teratogenesis Carcinog Mutagen** 1985;5(3):177–93

Prenatal exposure to the fungicide dinocap causes behavioral torticollis, ballooning and cleft palate in mice, but not rats or hamsters. Gray LE Jr, et al. **Teratogenesis Carcinog Mutagen** 1986;6(1):33–43

Agent Orange and risks to reproduction: the limits of epidemiology. Hatch MC, et al. **Teratogenesis Carcinog Mutagen** 1986;6(3):185–202

Extrapolation of the evidence on teratogenicity of chemicals between humans and experimental animals: chemicals other than drugs. Hemminki K, et al. **Teratogenesis Carcinog Mutagen** 1985;5(4):251–318 (60 ref.)

Effects on the fetal rat intestine of maternal malnutrition and exposure to nitrofen (2,4-dichlorophenyl-p-nitrophenyl ether). Mahboob S, et al. **Teratogenesis Carcinog Mutagen** 1986;6(1):45–57

Co-culture of rat embryos and hepatocytes: in vitro detection of a proteratogen. Oglesby LA, et al. **Teratogenesis Carcinog Mutagen** 1986;6(2):129–38

Teratogenic effects of carcinogenic agents on limb regeneration in the Japanese newt Cynops pyrrhogaster. Pfeiffer CJ, et al. **Teratogenesis Carcinog Mutagen** 1985; 5(3):137–47

Correlations between the degree and type of forebrain malformations and the simultaneous neuro-oncogenic properties of ethylnitrosourea after diaplacental exposure in rats, alone and in combination with X-irradiation. Schmahl W, et al. **Teratogenesis Carcinog Mutagen** 1985; 5(3):159–75

Teratogenic profile of retinylidene methyl nitrone and retinol in Swiss-Webster mice. Willhite CC, et al. **Teratogenesis Carcinog Mutagen** 1985;5(5):355–63

Teratogenicity of arotinoid ethyl ester (RO 13–6298) in mice. Zimmermann B, et al. **Teratogenesis Carcinog Mutagen** 1985;5(6):415–31

The embryotoxicity of gossypol. Beaudoin AR. **Teratology** 1985 Oct;32(2):251–7

Inconsistent use of terminology in animal developmental toxicology studies: a discussion. Black DL, et al. **Teratology** 1986 Jun;33(3):333–8

The toxicity of niridazole in rat embryos in vitro. Fantel AG, et al. **Teratology** 1986 Feb;33(1):105–12

Comments on "Alcohol enhancement of marihuana-induced fetotoxicity" [letter] Fantel AG. **Teratology** 1985 Oct; 32(2):327–30

The effect of oxygen concentration on the teratogenicity of salicylate, niridazole, cyclophosphamide, and phosphoramide mustard in rat embryos in vitro. Greenaway JC, et al. **Teratology** 1985 Oct;32(2):287–95

Teratogen update: fetal hydantoin effects. Hanson JW. **Teratology** 1986 Jun;33(3):349–53 (35 ref.)

Effects of methylmercury and mercuric chloride on preimplantation mouse embryos in vivo. Kajiwara Y, et al. **Teratology** 1986 Apr;33(2):231–7

The effects of L- and D-carnitine administration on cardiovascular development of the chick embryo. Kargas SA, et al. **Teratology** 1985 Oct;32(2):267–72

Renal functional teratogenesis resulting from adriamycin exposure. Kavlock RJ, et al. **Teratology** 1986 Apr; 33(2):213–20

ACOG Technical Bulletin Number 84—February 1985: teratology. Larsen JW Jr, et al. **Teratology** 1985 Dec; 32(3):493–6

Toxic and teratologic effects of verapamil on early chick embryos: evidence for the involvement of calcium in neural tube closure. Lee H, et al. **Teratology** 1986 Apr; 33(2):203–11

An epidemiological study on the effect of N, N'-methylene-bis-(2-amino-1,3,4-thiadiazole) (MATDA) on outcomes of pregnancy. Li DK, et al. **Teratology** 1986 Jun;33(3):289–97

Pharmacological studies on the potentiation of phenytoin teratogenicity by acetaminophen. Lum JT, et al. **Teratology** 1986 Feb;33(1):53–72

Scalp defects in infants of mothers treated for hyperthyroidism with methimazole or carbimazole during pregnancy [letter] Milham S Jr. **Teratology** 1985 Oct; 32(2):321

Major limb malformations following intrauterine exposure to ethanol: two additional cases and literature review. Pauli RM, et al. **Teratology** 1986 Jun;33(3):273–80 (33 ref.)

Suckling deficits in rat pups exposed to alcohol in utero. Rockwood GA, et al. **Teratology** 1986 Apr;33(2):145–51

Methacrylic acid as a teratogen in rat embryo culture. Rogers JG, et al. **Teratology** 1986 Feb;33(1):113–7

Teratogen update: vitamin A congeners. Rosa FW, et al. **Teratology** 1986 Jun;33(3):355–64

Early biochemical detection of adverse effects of a neurobehavioral teratogen: influence of prenatal methylmercury exposure on ornithine decarboxylase in brain and other tissues of fetal and neonatal rat. Slotkin TA, et al. **Teratology** 1985 Oct;32(2):195–202

Reply to comments on two articles dealing with the teratogenicity of cyproterone acetate (CA) and medroxyprogesterone acetate (MPA) [letter] Spielmann H. **Teratology** 1985 Oct;32(2):319–20

Developmental and cytogenetic effects of caffeine on mouse blastocysts, alone or in combination with benzo(a)pyrene. Spindle A, et al. **Teratology** 1985 Oct;32(2):213–8

Teratogenic effects of nigericin, a carboxylic ionophore. Vedel-Macrander GC, et al. **Teratology** 1986 Feb; 33(1):47–51

Characteristics of growth and palatal shelf development in ICR mice after exposure to methylmercury. Yasuda Y, et al. **Teratology** 1985 Oct;32(2):273–86

Reproductive and developmental toxicity of ethylene glycol in the mouse. Lamb JC 4th, et al. **Toxicol Appl Pharmacol** 1985 Oct;81(1):100–12

Teratogenic evaluation of mancozeb in the rat following inhalation exposure. Lu MH, et al. **Toxicol Appl Pharmacol** 1986 Jun 30;84(2):355–68

The developmental toxicity of ethylene glycol in rats and mice. Price CJ, et al. **Toxicol Appl Pharmacol** 1985 Oct; 81(1):113–27

Sodium 2-mercaptoethane sulfonate protection against cyclophosphamide-induced teratogenicity in rats. Slott VL, et al. **Toxicol Appl Pharmacol** 1986 Jan;82(1):80–6

Placental transfer and developmental toxicity of 2,2',4,4',5,5'-hexabromobiphenyl in B6C3F1 mice. Welsch F, et al. **Toxicol Appl Pharmacol** 1985 Dec;81(3 Pt 1):431–42

Structure-activity relationships of retinoids in developmental toxicology. II. Influence of the polyene chain of the vitamin A molecule. Willhite CC. **Toxicol Appl Pharmacol** 1986 May;83(3):563–75

Potentiating effects of caffeine on the cardiovascular teratogenicity of ephedrine in chick embryos. Nishikawa T, et al. **Toxicol Lett** 1985 Dec;29(1):65–8

Cardiovascular teratogenicity of ephedrine in chick embryos. Nishikawa T, et al. **Toxicol Lett** 1985 Dec;29(1):59–63

Glucocorticoid induction of cleft palate after treatment with titanocene dichloride? Köpf-Maier P. **Toxicology** 1985 Oct; 37(1–2):111–6

Predicting the human teratogenic potential of the anticonvulsant, valproic acid, from a non-human primate model. Mast TJ, et al. **Toxicology** 1986 May;39(2):111–9

The embryotoxic and osteolathyrogenic effects of semicarbazide. Schultz TW, et al. **Toxicology** 1985 Aug; 36(2–3):183–98

Chondrogenesis of limb-bud cells: improved culture method and the effect of the potent teratogen retinoic acid. Kistler A, et al. **Xenobiotica** 1985 Aug–Sep;15(8–9):673–9

Effects of cyproheptadine on the rat yolk sac membrane and embryonic development in vitro. Schmid BP, et al. **Xenobiotica** 1985 Aug–Sep;15(8–9):695–9

[Pregnancy and treatment with glucocorticoids] Kieffer M, et al. **Ugeskr Laeger** 1986 Jul 28;148(31):1960–2 (Eng. Abstr.) (Dan)

[Teratogenicity of chemical agents; a recommendation of the Public Health Council] Huisjes HJ. **Ned Tijdschr Geneeskd** 1985 Aug 24;129(34):1620 (Eng. Abstr.) (Dut)

[Risk evaluation and information on drug-induced teratogenesis] Elefant E, et al. **Therapie** 1985 Sep-Oct; 40(5):297–300 (Eng. Abstr.) (Fre)

[Drug surveillance. Which methods? For which adverse effects? Application to teratogen monitoring] Goujard J. **Therapie** 1985 Sep-Oct;40(5):287–92 (Eng. Abstr.) (Fre)

[Imputability of a teratogenic effect] Loupi E, et al. **Therapie** 1986 May-Jun;41(3):207–10 (Eng. Abstr.) (Fre)

[Eugene: a computer program applied to drug chronoteratogenesis] Ponchon AC, et al. **Therapie** 1986 May-Jun;41(3):211–3 (Eng. Abstr.) (Fre)

[The teratogenic and toxic effect of unsaturated short-chain fatty acids in Rhodnius prolixus] Gómez I. **Mem Inst Oswaldo Cruz** 1985 Oct-Dec;80(4):375–85 (Eng. Abstr.) (Por)

[Effect of bacterial lipopolysaccharide pyrogenal on the development of the Syrian hamster embryo] Bandazhevskiĭ IuI, et al. **Arkh Anat Gistol Embriol** 1986 Apr;90(4):63–5 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

[Evaluation of occupational teratogenic hazards based on data from the Hungarian Case-Control Surveillance System for Congenital Anomalies] Király J, et al. **Orv Hetil** 1986 Aug 3;127(31):1871–6 (Eng. Abstr.) (Hun)

ANALYSIS

Detection of teratogenic substances in acidic mine water samples using the frog embryo teratogenesis assay—Xenopus (FETAX). Dawson DA, et al. **J Appl Toxicol** 1985 Aug;5(4):234–44

ANTAGONISTS & INHIBITORS

Carbon monoxide inhibits monooxygenation by the conceptus and embryotoxic effects of proteratogens in vitro. Faustman-Watts EM, et al. **Toxicol Appl Pharmacol** 1986 May;83(3):590–5

PHARMACODYNAMICS

The formation of the neural tube in rat embryos, cultured in vitro, studied with teratogens. Smits-van Prooije A, et al. **Acta Histochem [Suppl] (Jena)** 1986;32:41–5

Salmonella tester strains: mutational targets and correlation with animal carcinogenicity and teratogenicity. Hartman PE, et al. **Basic Life Sci** 1986;38:407–24

Dose-response relationships in chick embryos exposed to embryotoxic agents. Peterka M, et al. **Folia Morphol (Praha)** 1986;34(1):69–77

Sister-chromatid exchange and cell replication kinetics in fetal and maternal cells after treatment with chemical teratogens. Sharma RK, et al. **Mutat Res** 1985 Dec; 158(3):217–31

In vitro testing for developmental toxicity using the Hydra attenuata assay. Wiger R, et al. **NIPH Ann** 1985 Dec; 8(2):43–7

TOXICITY

Comparison of some biochemical effects of teratogenic doses of mercuric mercury and cadmium in the pregnant rat. Holt D, et al. **Arch Toxicol** 1986 Apr;58(4):249–54

Interpretation of genotoxicity data in assessing the risks of genetic diseases. Denniston C. **Basic Life Sci** 1986; 38:519–27

The impact of litter effects on dose-response modeling in teratology. Kupper LL, et al. **Biometrics** 1986 Mar; 42(1):85–98

Recognition, evaluation, and control of chemical embryotoxins in the workplace. Smith JM, et al. **Fundam Appl Toxicol** 1985 Aug;5(4):626–33

The efficacy of three non-mammalian test systems in the identification of chemical teratogens. Sabourin TD, et al. **J Appl Toxicol** 1985 Aug;5(4):227–33

Experimental teratological studies with the mouse CNS mutations cranioschisis and delayed splotch. Kalter H. **J Craniofac Genet Dev Biol [Suppl]** 1985;1:339–42

Rodent whole-embryo culture as a teratogen screening method. Kitchin KT, et al. **Methods Find Exp Clin Pharmacol** 1986 May;8(5):291–301

Design considerations in screening for behavioral teratogens: results of the Collaborative Behavioral Teratology Study. Proceedings of a conference. September 3–6, 1985, Cincinnati, Ohio. **Neurobehav Toxicol Teratol** 1985 Nov–Dec;7(6):537–789

Collaborative Behavioral Teratology Study: programmed data entry and automated test systems. Adams J, et al. **Neurobehav Toxicol Teratol** 1985 Nov–Dec;7(6):547–54

Collaborative Behavioral Teratology Study: protocol design and testing procedures. Adams J, et al. **Neurobehav Toxicol Teratol** 1985 Nov–Dec;7(6):579–86

Collaborative Behavioral Teratology Study: preliminary research. Adams J, et al. **Neurobehav Toxicol Teratol** 1985 Nov–Dec;7(6):555–78

United Kingdom: regulatory attitudes toward behavioural teratology testing. Barlow SM. **Neurobehav Toxicol Teratol** 1985 Nov–Dec;7(6):643–6

Collaborative Behavioral Teratology Study: results. Buelke-Sam J, et al. **Neurobehav Toxicol Teratol** 1985 Nov–Dec;7(6):591–624

Design and analysis issues in behavioral teratology testing. Butcher RE, et al. **Neurobehav Toxicol Teratol** 1985 Nov–Dec;7(6):659

Behavioral methods in reproductive and developmental toxicology. Chester A, et al. **Neurobehav Toxicol Teratol** 1985 Nov–Dec;7(6):745–52

Effects of limited paternal exposure to xenobiotic agents on the development of progeny. Friedler G. **Neurobehav Toxicol Teratol** 1985 Nov–Dec;7(6):739–43

Strategies for the selection of test methods. Geyer MA, et al. **Neurobehav Toxicol Teratol** 1985 Nov–Dec;7(6):661–2

Issues of methodology and interpretation in clinical and animal behavioral teratology studies. Hutchings DE. **Neurobehav Toxicol Teratol** 1985 Nov–Dec;7(6):639–42

A test battery for screening behavioral teratogens in mice. Kallman MJ, et al. **Neurobehav Toxicol Teratol** 1985 Nov–Dec;7(6):727–31

Collaborative Behavioral Teratology Study: background and overview. Kimmel CA, et al. **Neurobehav Toxicol Teratol** 1985 Nov–Dec;7(6):541–5

Collaborative Behavioral Teratology Study: implications, current applications and future directions. Kimmel CA, et al. **Neurobehav Toxicol Teratol** 1985 Nov–Dec;7(6):669–73

Dosing considerations in behavioral teratology testing. Kutscher CL, et al. **Neurobehav Toxicol Teratol** 1985 Nov–Dec;7(6):663–4

Effects of the high methylmercury dose used in the collaborative behavioral teratology study on brain anatomy. Kutscher CL, et al. **Neurobehav Toxicol Teratol** 1985 Nov–Dec;7(6):775–7

Neurochemical and electrophysiological disturbances mediate developmental behavioral alterations produced by medicines. Mirmiran M, et al. **Neurobehav Toxicol Teratol** 1985 Nov–Dec;7(6):677–83

Collaborative Behavioral Teratology Study: statistical approach. Nelson CJ, et al. **Neurobehav Toxicol Teratol** 1985 Nov–Dec;7(6):587–90

An industrial developmental toxicologist's view of behavioral teratology and possible guidelines. Nolen GA. **Neurobehav Toxicol Teratol** 1985 Nov–Dec;7(6):653–7

Behavioral teratology as the study of early brain damage: considerations for the assessment of neonates. Riley EP, et al. **Neurobehav Toxicol Teratol** 1985 Nov–Dec;7(6):635–8

Application of behavioral teratology testing procedures. Sobotka TJ, et al. **Neurobehav Toxicol Teratol** 1985 Nov–Dec;7(6):665

Age-specific behaviors as tools for examining teratogen-induced neural alterations. Spear LP, et al. **Neurobehav Toxicol Teratol** 1985 Nov–Dec;7(6):691–5

Guidelines for developmental toxicity testing of chemicals in Japan. Tanimura T. **Neurobehav Toxicol Teratol** 1985 Nov–Dec;7(6):647–52

Interpretation of behavioral teratology data. Tilson HA, et al. **Neurobehav Toxicol Teratol** 1985 Nov–Dec;7(6):667–8

Behavioral effects of prenatal d-amphetamine in rats: a parallel trial to the Collaborative Behavioral Teratology Study. Vorhees CV. **Neurobehav Toxicol Teratol** 1985 Nov–Dec;7(6):709–16

Comparison of the Collaborative Behavioral Teratology Study and Cincinnati Behavioral Teratology test batteries. Vorhees CV. **Neurobehav Toxicol Teratol** 1985 Nov–Dec; 7(6):625–33

Behavioral effects of prenatal methylmercury in rats: a parallel trial to the Collaborative Behavioral Teratology Study. Vorhees CV. **Neurobehav Toxicol Teratol** 1985 Nov–Dec;7(6):717–25

Oncogene and chemical inhibition of gap-junctional intercellular communication: implications for teratogenesis and carcinogenesis. Trosko JE, et al. **Prog Clin Biol Res** 1986;209B:21–31

Bendectin and interventricular septal defects [editorial] Brent RL. **Teratology** 1985 Oct;32(2):317–8

Acetazolamide does not disrupt limb regenerate morphogenesis in the salamander, Plethodon cinereus. Dinsmore CE, et al. **Teratology** 1986 Feb;33(1):85–91

Evaluation of bendectin embryotoxicity in nonhuman primates: I. Ventricular septal defects in prenatal macaques and baboon. Hendrickx AG, et al. **Teratology** 1985 Oct; 32(2):179–89

Evaluation of bendectin embryotoxicity in nonhuman primates: II. Double-blind study in term cynomolgus monkeys. Hendrickx AG, et al. **Teratology** 1985 Oct; 32(2):191–4

Morphological and biochemical aspects of monofunctional phosphoramide mustard teratogenicity in rat embryos cultured in vitro. Mirkes PE, et al. **Teratology** 1985 Oct; 32(2):241–9

Xenobiotic influences on embryonic differentiation, growth and morphology in vitro. Schmid BP. **Xenobiotica** 1985 Aug–Sep;15(8–9):719–26

TERATOID TUMOR see **TERATOMA**

TERATOMA

Intracranial germ cell tumors. Takakura K. **Clin Neurosurg** 1985;32:429–44 (27 ref.)

Posterior mediastinal teratomas. Karl SR, et al. **J Pediatr Surg** 1985 Oct;20(5):508–10

Gastric teratoma in infancy. Earnshaw JJ. **J R Coll Surg Edinb** 1985 Jun;30(3):199–200

[Non-seminomatous germinal tumors of the ovary and testis in children] Baranzelli-Leghie MC, et al. **Rev Fr Gynecol Obstet** 1985 Dec;80(12):885–9 (Eng. Abstr.) (Fre)

ANALYSIS

Protein composition of cyst fluids from mature teratoma in patients with nonseminomatous germ cell tumors of the testis. Ockhuizen T, et al. **Cancer** 1985 Nov 1;56(9):2264–8

Expression of c-fos in parietal endoderm, amnion and differentiating F9 teratocarcinoma cells. Mason I, et al. **Differentiation** 1985;30(1):76–81

Isolation of U1-snRNP(s) from mouse teratocarcinoma cells using immunochemical and biochemical procedures: high proportion of U1a-snRNP to U1b-snRNP. Matsuda M, et al. **J Biochem (Tokyo)** 1986 Mar;99(3):895–900

Sacrococcygeal teratoma and normal alphafetoprotein concentration in amniotic fluid. Szabó M, et al. **J Med Genet** 1985 Oct;22(5):405–8

Cell surface lectins of transplantable human teratocarcinoma cells: purification of a new mannan-specific endogenous lectin. Gabius HJ, et al. **Tumour Biol** 1985;6(2):145–56

[Immunohistochemical localization of chorionic gonadotropin and alpha fetoprotein in polyembryomas: description and interpretation] Gaillard JA, et al. **Ann Inst Pasteur Immunol** 1986 Mar-Apr;137C(2):143–59 (Eng. Abstr.) (Fre)

[Embryonal carcinoma (Higuchi, Kato) of the ovary, clinical analysis and recent improvement of treatment using alpha FP as a tumor marker] Ohta M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Jun;38(6):887–95 (Eng. Abstr.) (Jpn)

[Cell-surface glycoproteins of teratocarcinomas] Muramatsu T. **Tanpakushitsu Kakusan Koso** 1985 Jun;30(7 Suppl):533–43 (76 ref.) (Jpn)

CLASSIFICATION

[Sacrococcygeal teratomas with intrapelvic localization. Clinico-radiologic considerations in 9 cases] Vichi GF, et al. **Minerva Pediatr** 1985 Jun 30;37(11-12):463-72 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Infections of congenital cervical neck masses associated with bacteremia. Wiswell TE, et al. **J Pediatr Surg** 1986 Feb; 21(2):173-4

Pericardial tube for obstruction of superior vena cava by malignant teratoma. Zembala M, et al. **J Thorac Cardiovasc Surg** 1986 Mar;91(3):469-71

A rare complication of a benign ovarian teratoma [letter] Vandertop WP, et al. **Neth J Surg** 1986 Feb;38(1):24-5

[Mature pararectal teratoma with fistula to the vagina] Kruse-Anderse S, et al. **Ugeskr Laeger** 1985 Sep 9; 147(37):2919-20 (Eng. Abstr.) **(Dan)**

[Grave respiratory distress in the newborn infant caused by mediastinal teratoma] Valla JS, et al. **Chir Pediatr** 1986; 27(1):57-9 (Eng. Abstr.) **(Fre)**

[Torsion of an abdominal testis with differentiated teratoma] Esterl D, et al. **Zentralbl Chir** 1985;110(16):1015-8 **(Ger)**

[A huge intraspinal teratocarcinoma associated with an arachnoid cyst in a child] Yamada H, et al. **No Shinkei Geka** 1985 Jul;13(7):749-54 (Eng. Abstr.) **(Jpn)**

[Chronic traumatic spinal hematoma and teratoma of the cauda equina] Okladnikov GI, et al. **Zh Vopr Neirokhir** 1986 Mar-Apr;(2):53-4 **(Rus)**

CONGENITAL

Morphologic analysis of spontaneous teratocarcinogenesis in developing testes of strain 129/Sv-ter mice. Rivers EN, et al. **Am J Pathol** 1986 Aug;124(2):263-80

Congenital orbital-intracranial teratoma with subsequent malignancy: case report. Garden JW, et al. **Br J Ophthalmol** 1986 Feb;70(2):111-3

Epignathus (congenital teratoma of the hard palate): a case report. Zakaria MA. **Br J Oral Maxillofac Surg** 1986 Aug; 24(4):272-6

Dysontogenetic neoplasms of the thyroid gland in infancy: two case reports. Pinelli V, et al. **Int J Pediatr Otorhinolaryngol** 1985 Oct;10(1):101-10

Intracranial mass in a neonate. Yang PJ, et al. **Invest Radiol** 1986 Apr;21(4):360-4

A huge teratoma in the posterior fossa in a neonate. Hayashi T, et al. **Kurume Med J** 1984;31(4):335-7

Head and neck teratomas. Two cases with rare localizations. Ozdemir MA, et al. **Turk J Pediatr** 1986 Apr-Jun; 28(2):123-8

[Delivery planning and interdisciplinary management of large coccygeal teratomas] Roth H, et al. **Z Kinderchir** 1986 Jun; 41(3):181-4 (Eng. Abstr.) **(Ger)**

[A rare cervico-facial teratoma in a newborn female infant] Buttitta P, et al. **Pediatr Med Chir** 1985 Nov-Dec; 7(6):915-9 (Eng. Abstr.) **(Ita)**

[Congenital intrapericardial teratoma] Gamallo C, et al. **Rev Esp Cardiol** 1986 Jan-Feb;39(1):71-4 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Malignant germ cell tumor of the anterior mediastinum with leukemia-like infiltration. Irie J, et al. **Acta Pathol Jpn** 1985 Nov;35(6):1561-70

Diagnosis of anterior chamber metastasis by serologic marker found during anterior chamber paracentesis. Rotkis WM, et al. **Am J Ophthalmol** 1986 Aug 15;102(2):179-81

An unusual case of sacrococcygeal teratoma and a short review. Lee T, et al. **Ann Acad Med Singapore** 1985 Oct; 14(4):671-5

Two cases of cervical teratoma. Walker J, et al. **Br J Clin Pract** 1985 Nov-Dec;39(11-12):446-8

Placental teratoma or acardius amorphus with amniotic band syndrome. Calame JJ, et al. **Eur J Obstet Gynecol Reprod Biol** 1985 Oct;20(4):265-73

Cancer of the testis: a new paradigm. Einhorn LH. **Hosp Pract [Off]** 1986 Apr 15;21(4):165-72, 175-8 (6 ref.)

Umbilical cord teratoma [letter] Driscoll SG. **Hum Pathol** 1985 Nov;16(11):1178

Testicular cancer in a 13-year-old adolescent. Sladkin KR. **J Adolesc Health Care** 1986 Jul;7(4):268-71

MR imaging of a spinal teratoma. Monajati A, et al. **J Comput Assist Tomogr** 1986 Mar-Apr;10(2):307-10

Hepatocellular carcinoma masquerading as malignant teratoma. Gorman B, et al. **J R Soc Med** 1985 Nov; 78(11):952-3

Sonographic findings in mediastinal embryonal carcinoma. Marx MV, et al. **J Ultrasound Med** 1986 Jan;5(1):41-3

Primary nonseminomatous germ cell tumor of the prostate. Michel F, et al. **J Urol** 1986 Mar;135(3):597-9

High resolution sonography in diagnosing testicular neoplasms: clinical significance of false positive scans. Tackett RE, et al. **J Urol** 1986 Mar;135(3):494-6

Diagnosis and management of fetal teratomas. Chervenak FA, et al. **Obstet Gynecol** 1985 Nov;66(5):666-71

Sonographic demonstration of fetal sacrococcygeal teratoma. Holzgreve W, et al. **Prenat Diagn** 1985 Jul-Aug;5(4):245-57

[Perforated mediastinal teratoma] Chen BT, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Jan;24(1):18-9, 62 (Eng. Abstr.) **(Chi)**

[Mediastinal teratoid tumors misdiagnosed as pulmonary lesions: a report of 5 cases] Xu PZ, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Dec;23(12):757-8, 783 (Eng. Abstr.) **(Chi)**

[Immature heteroplastic dysgerminomas and dysembryomas of the mediastinum. Medico-surgical aspects of the lungs] Lacroix H. **Ann Chir** 1986 Mar;40(2):135-8 (Eng. Abstr.) **(Fre)**

[Teratoma strictly of the buttocks in a 13-year-old girl] Gross P, et al. **Chir Pediatr** 1985;26(6):369-70 (Eng. Abstr.) **(Fre)**

[Echography in the diagnosis of ovarian teratomas] Preziosi P, et al. **Minerva Ginecol** 1985 Dec;37(12):783-8 (Eng. Abstr.) **(Ita)**

[Differential diagnosis of extramedullary tumors of the lumbar division of the spine and lumbo-femoral extension rigidity in children and adolescents] Malakhov OA, et al. **Pediatriia** 1985 Nov;(11):53-6 **(Rus)**

[Teratoma of the penis in a child] Kononenko NG. **Urol Nefrol (Mosk)** 1986 Mar-Apr;(2):64-5 **(Rus)**

[Teratoma of the posterior mediastinum] León-Maycotte JM, et al. **Bol Med Hosp Infant Mex** 1986 Mar;43(3):188-91 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Residual masses after successful chemotherapy for testicular carcinoma. Glowalla M. **AJR** 1986 Jun;146(6):1184-6

Photodynamic therapy of ascites tumours within the peritoneal cavity. Tochner Z, et al. **Br J Cancer** 1986 Jun; 53(6):733-6

Cisplatin combination chemotherapy for advanced germ-cell testicular tumours. Taylor RE, et al. **Br J Urol** 1985 Oct; 57(5):567-73

Treatment of retroperitoneal residual tumor after PVB chemotherapy of nonseminomatous testicular tumors. Gelderman WA, et al. **Cancer** 1986 Oct 1;58(7):1418-21

Curative, platinum-based cytoxic drug therapy in a renal transplant recipient with metastatic testicular cancer. Osiason AW, et al. **Cancer** 1986 Aug 15;58(4):850-1

Hemorrhagic cystitis after i.v. bleomycin, vinblastine, cisplatin, and etoposide for testicular cancer. Cantwell BM, et al. **Cancer Treat Rep** 1986 Apr;70(4):548-9

Length of follow-up in teratomas--results of a modification of Einhorn's regime in testicular teratomas. Wilkins M, et al. **Eur J Surg Oncol** 1986 Jun;12(2):153-7

VP-16 plus ifosfamide plus cisplatin as salvage therapy in refractory germ cell cancer. Loehrer PJ Sr, et al. **J Clin Oncol** 1986 Apr;4(4):528-36

High-dose versus low-dose vinblastine in cisplatin-vinblastine-bleomycin combination chemotherapy of non-seminomatous testicular cancer: a randomized study of the EORTC Genitourinary Tract Cancer Cooperative Group. Stoter G, et al. **J Clin Oncol** 1986 Aug;4(8):1199-206

Pregnancy after intensive chemotherapy for an ovarian immature teratoma. Coussens PD, et al. **Milit Med** 1985 Oct;150(10):559-61

[Complete remission obtained in advanced testicular cancer treated by etoposide (NK-171)] Babaya K, et al. **Gan To Kagaku Ryoho** 1986 Mar;13(3 Pt 1):604-7 (Eng. Abstr.) **(Jpn)**

[VM-26 salvage therapy for refractory or recurrent germinal testicular cancers] Miki T, et al. **Hinyokika Kiyo** 1985 Sep; 31(9):1649-56 (Eng. Abstr.) **(Jpn)**

[Experimental chemotherapy of ovarian cancers heterotransplanted in nude mice] Sawada M. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Aug; 37(8):1400-8 **(Jpn)**

[Chemotherapeutic effectiveness in malignant testicular tumors at advanced stages. Preliminary results of the VAB VI program] Chiricuță I, et al. **Rev Chir [Chir]** 1985 Nov-Dec;34(6):455-68 **(Rum)**

EMBRYOLOGY

Two massive congenital intracranial immature teratomas with neck extension. Rostad S, et al. **Teratology** 1985 Oct; 32(2):163-9

Massive congenital intracranial teratoma. Report of a case in an hydrocephalic foetus. Char G, et al. **West Indian Med J** 1985 Dec;34(4):274-7

ENZYMOLOGY

Ascites trophectodermal carcinoma cells exhibit embryonic mouse alpha-L-fucosidase isoenzyme pattern whereas the fluid exhibits adult mouse pattern. Laury-Kleintop LD, et al. **Br J Cancer** 1985 Dec;52(6):949-51

Isoelectric forms of alpha-L-fucosidase in mouse teratocarcinoma-derived cell lines. Laury-Kleintop LD, et al. **Dev Biol** 1985 Oct;111(2):520-4

Altered activation by calcitonin and inhibition by somatostatin of human embryonal carcinoma cell adenylate cyclase with retinoic acid-induced differentiation. Liapi C, et al. **Dev Biol** 1986 Jan;113(1):141-6

Sialic acid lyase in differentiating murine teratocarcinoma cells. Warren L. **Exp Cell Res** 1985 Dec;161(2):307-16

An increase in prolyl-4-hydroxylase activity occurs during the retinoic acid-induced differentiation of mouse teratocarcinoma stem cell lines F9 and P19. Roguska MA, et al. **J Biol Chem** 1985 Nov 15;260(26):13893-6

FAMILIAL & GENETIC

Amplification and rearrangement of Ki-ras oncogene in human teratocarcinoma-derived cell lines. Tobaly-Tapiero J, et al. **Biochimie** 1986 Jul-Aug;68(7-8):1019-23

Expression of homologous homeo-box-containing genes in differentiated human teratocarcinoma cells and mouse embryos. Hauser CA, et al. **Cell** 1985 Nov;43(1):19-28

Pleiotropic phenotypic expression in cybrids derived from mouse teratocarcinoma cells fused with rat myoblast cytoplasts. Iwakura Y, et al. **Cell** 1985 Dec;43(3 Pt 2):777-91

The regulation of gene expression in murine terastocarcinoma cells. Gorman CM, et al. **Cold Spring Harbor Symp Quant Biol** 1985;50:701-6

Introduction of genes into embryonal carcinoma cells and preimplantation embryos by retroviral vectors. Nicolas JF, et al. **Cold Spring Harbor Symp Quant Biol** 1985;50:713-20

The t-complex and ovarian teratocarcinogenesis. Nadeau JH, et al. **Curr Top Microbiol Immunol** 1986;127:285-7

Sublocalization of c-myb to 6q21----q23 by in situ hybridization and c-myb expression in a human teratocarcinoma with 6q rearrangements. Janssen JW, et al. **Cytogenet Cell Genet** 1986;41(3):129-35

Induction of c-fos and AFP expression in a differentiating teratocarcinoma cell line. Edwards SA, et al. **Exp Cell Res** 1986 Aug;165(2):473-80

Sequential X-chromosome reactivation and inactivation in cell hybrids between murine embryonal carcinoma cells and female rat thymocytes. Okuyama K, et al. **Exp Cell Res** 1986 Jun;164(2):323-34

Expression of cellular oncogenes in teratoma-derived cell lines. Sejersen T, et al. **Exp Cell Res** 1985 Sep;160(1):19-30

Differential expression of two linked selection genes (HSVI-tk and Eco.gpt) in transformed teratocarcinoma and in L cells. Lasserre C, et al. **J Cell Physiol** 1985 Jul; 124(1):37-42

Familial occurrence of testicular neoplasia: case report of testicular embryonal carcinoma in 2 brothers and a first cousin. Copeland GP, et al. **J Urol** 1986 Sep;136(3):676-7

Chimeric potency of a mutator strain of mouse teratocarcinoma cells. Aizawa S, et al. **Jpn J Cancer Res** 1986 Apr;77(4):327-9

Expression of N-myc in teratocarcinoma stem cells and mouse embryos. Jakobovits A, et al. **Nature** 1985 Nov 14-20;318(6042):188-91

Retroviral mutants efficiently expressed in embryonal carcinoma cells. Franz T, et al. **Proc Natl Acad Sci USA** 1986 May;83(10):3292-6

IMMUNOLOGY

Immunoactive products of placenta: VIII. Translation products of messenger RNA extracted from murine placenta or A6B9IC5 teratocarcinoma are immunosuppressive in vitro. Chaouat G, et al. **Am J Reprod Immunol Microbiol** 1985 Oct;9(2):48-51

Effect of H-2 complex on the growth of embryo-derived teratomas in mice. Taya C, et al. **Am J Reprod Immunol Microbiol** 1986 Feb;10(2):35-8

Minor histocompatibility antigens are developmentally regulated on murine embryonal carcinoma cells and their early differentiated derivatives. Avner P, et al. **Cell Differ** 1985 Aug;17(2):115-23

Immunological aspects of teratocarcinoma development. Gootwine E, et al. **Contrib Gynecol Obstet** 1985;14:101-13

A pluripotent human stem-cell clone isolated from the TERA-2 teratocarcinoma line lacks antigens SSEA-3 and SSEA-4 in vitro, but expresses these antigens when grown as a xenograft tumor. Andrews PW, et al. **Differentiation** 1985;29(2):127-35

Basement membrane components produced by a mouse ascites teratocarcinoma TB24. Analysis with monoclonal and polyclonal antibodies. Ljubimov AV, et al. **Exp Cell Res** 1986 Aug;165(2):530-40

H-2 class I antigen expression on mouse teratocarcinoma cell lines. Démant P, et al. **Immunogenetics** 1985; 22(6):543-52

Mice coisogenically immunized against H-2 class I antigens on transfected L cells reject transplanted embryonal carcinoma cells. Moser AR, et al. **Immunogenetics** 1985; 22(6):533-41

Lysis of primitive teratocarcinoma cells by non-activated macrophages. Cartman G, et al. **Immunol Lett** 1985; 10(3-4):207-11

In vivo and in vitro cultured mouse preimplantation embryos differ in their display of a teratocarcinoma cell surface antigen: possible binding of an oviduct factor. Gaunt SJ. **J Embryol Exp Morphol** 1985 Aug;88:55-69

Oncodevelopmental carbohydrate antigens: distribution of ECMA 2 and 3 antigens in embryonic and adult tissues of the mouse and in teratocarcinomas. Sato M, et al. **J Reprod Immunol** 1986 Jul;9(2):123-35

[Value of tumor markers in immature dysembryomas of the mediastinum] Kremer M. **Ann Chir** 1986 Mar;40(2):130-2 (Eng. Abstr.) **(Fre)**

METABOLISM

Tissue-specific gene expression in mouse F9 embryonal carcinoma cells: type IV collagen. Kurkinen M, et al. **Ann NY Acad Sci** 1985;460:267-73

Characterization of an insulin-related factor secreted by a teratoma cell line. Yamada Y, et al.

Biochem Biophys Res Commun 1986 Mar 13;135(2):533–40
Glycosylation and posttranslational maturation of glycoproteins in embryonal carcinomas: identification of two distinct pools of high-mannose glycans. Ivatt RJ. **Biochemistry** 1985 Dec 3;24(25):7314–20
Characterization of a human teratocarcinoma cell assay for inhibitors of metabolic cooperation. Kavanagh TJ, et al. **Cancer Res** 1986 Mar;46(3):1359–66
Expression of nidogen and laminin in basement membranes during mouse embryogenesis and in teratocarcinoma cells. Dziadek M, et al. **Dev Biol** 1985 Oct;111(2):372–82
Alterations in polyamine metabolism during embryonal carcinoma cell differentiation in vitro. Kelly M, et al. **Dev Biol** 1985 Oct;111(2):510–4
Mouse teratocarcinoma and embryonic development. Two-dimensional protein patterns in muscle differentiation. Blüthmann H. **Eur J Cell Biol** 1985 Sep;38(2):263–70
Mouse teratocarcinoma and embryonic development. Two-dimensional protein patterns in nerve differentiation. Blüthmann H. **Eur J Cell Biol** 1985 Sep;38(2):254–62
Establishment of a differentiated mesodermal line from P19 EC cells expressing functional PDGF and EGF receptors. Mummery CL, et al. **Exp Cell Res** 1986 Jul;165(1):229–42
Selection of a mouse embryonal carcinoma clone resistant to the inhibition of metabolic cooperation by retinoic acid. Smith TA, et al. **Exp Cell Res** 1986 Aug;165(2):417–28
Epithelial ovarian carcinoma in patients with intersex disorders: the role of pituitary gonadotropins in ovarian tumorigenesis. Miller DS, et al. **Gynecol Oncol** 1986 Jul; 24(3):299–308
F.9 embryonal carcinoma cell calcitonin autocrine system: correlation between immunoreactive calcitonin secretion and calcitonin receptor number. Binet E, et al. **J Cell Physiol** 1985 Aug;124(2):288–92
Production of insulin-like growth factor-II (MSA) by endoderm-like cells derived from embryonal carcinoma cells: possible mediator of embryonic cell growth. Nagarajan L, et al. **J Cell Physiol** 1985 Aug;124(2):199–206
Collagen expression during teratocarcinoma cell line–induced endochondral bone tumor. Boy-Lefèvre ML, et al. **J Histochem Cytochem** 1986 Jul;34(7):835–9
Suppression of the hypomethylated Moloney leukemia virus genome in undifferentiated teratocarcinoma cells and inefficiency of transformation by a bacterial gene under control of the long terminal repeat. Niwa O. **Mol Cell Biol** 1985 Sep;5(9):2325–31
[Establishment and property of the beta-HCG producing human testicular germ cell tumor cell line (NUT)] Hayashi M. **Nippon Hinyokika Gakkai Zasshi** 1986 Jan;77(1):125–32 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Latent infection of human ovarian teratocarcinoma cells with human cytomegalovirus. Brief report. Kamiya S, et al. **Arch Virol** 1986;91(1–2):175–81
Viral enhancer activity in teratocarcinoma cells. Sassone-Corsi P, et al. **Cold Spring Harbor Symp Quant Biol** 1985;50:747–52
Expression of foreign genes from retroviral vectors in mouse teratocarcinoma chimaeras. Stewart CL, et al. **EMBO J** 1985 Dec 30;4(13B):3701–9

OCCURRENCE

Teratoma of the tongue: a case report and literature review. Antoine GA, et al. **Laryngoscope** 1985 Oct;95(10):1262–3

PATHOLOGY

Microglia in teratomas. Pesce C, et al. **Acta Neuropathol (Berl)** 1985;67(3–4):332–6
A human vitelline component in embryonal carcinoma of the testis. Okamoto T. **Acta Pathol Jpn** 1986 Jan;36(1):41–8
Cornelia de Lange syndrome with intracranial germinoma. Sato A, et al. **Acta Pathol Jpn** 1986 Jan;36(1):143–9
Mature solid teratoma associated with gliomatosis peritonei. Fanning J, et al. **Am J Obstet Gynecol** 1986 Sep; 155(3):661–2
Epithelia of endodermal derivation in teratomas. Pesce C, et al. **Ann Pathol** 1986;6(1):23–8
Teratoid tumor in the oral cavity. Takato T, et al. **Ann Plast Surg** 1985 May;14(5):451–3
Malignant childhood teratomas in the Nigerian savannah. Mabogunje OA. **Ann Trop Paediatr** 1985 Dec;5(4):201–5
Modulation of protein biosynthesis during early stages of differentiation in retinoic acid treated F9 teratocarcinoma cells. Griep A, et al. **Arch Biochem Biophys** 1986 Aug 15; 249(1):180–90
Lipogranulomas in lymph nodes [letter] Epstein HD, et al. **Arch Pathol Lab Med** 1986 Jun;110(6):467–8
Hepatic teratoma in an anencephalic fetus. Robinson RA, et al. **Arch Pathol Lab Med** 1986 Jul;110(7):655–7
Identification of a novel glycopeptide species that correlates with differentiation of F9 cells. Rusciano D, et al. **Biochim Biophys Acta** 1986 May 2;881(3):343–9
Establishment and characterization of the pluripotent mouse teratocarcinoma cell line TCE. Wobus AM, et al. **Biomed Biochim Acta** 1985;44(11–12):1609–20
Teratoid hepatoblastoma. The nosologic dilemma of solid embryonic neoplasms of childhood. Manivel C, et al. **Cancer** 1986 Jun 1;57(11):2168–74
Gliomatosis peritonei. Nielsen SN, et al. **Cancer** 1985 Nov 15;56(10):2499–503
The differentiation of carcinomas of teratomatous origin from embryonal carcinoma. A light and electron microscopic study. Ulbright TM, et al. **Cancer** 1986 Jan 15;57(2):257–63
Targeting, internalization, and cytotoxicity of methotrexate-monoclonal anti-stage-specific embryonic antigen-1 antibody conjugates in cultured F-9 teratocarcinoma cells. Shen WC, et al. **Cancer Res** 1986 Aug;46(8):3912–6
Trophoblastic differentiation of human teratocarcinoma cell line HT-H1. Izhar M, et al. **Dev Biol** 1986 Aug; 116(2):510–8
Protein kinase C and phorbol ester receptor expression related to growth and differentiation of nullipotent and pluripotent embryonal carcinoma cells. Snoek GT, et al. **Dev Biol** 1986 Jun;115(2):282–92
Differentiation of TERA-2 human embryonal carcinoma cells into neurons and HCMV permissive cells. Induction by agents other than retinoic acid. Andrews PW, et al. **Differentiation** 1986;31(2):119–26
SV40 enhancer activation during retinoic acid–induced differentiation of F9 embryonal carcinoma cells. Sleigh MJ, et al. **EMBO J** 1985 Dec 30;4(13B):3831–7
Induction of F9 embryonal carcinoma cell differentiation by inhibition of polyamine synthesis. Oredsson SM, et al. **Eur J Cell Biol** 1985 Sep;38(2):335–43
Endoderm-secreted factor stimulates growth of embryonal carcinoma stem cells. Germain EL, et al. **In Vitro Cell Dev Biol** 1986 Feb;22(2):107–12
Induction of transplantable teratocarcinoma in mice. Thakare AV, et al. **Indian J Exp Biol** 1985 Mar;23(3):131–3
Roles of extracellular matrix components in differentiating teratocarcinoma cells. Grover A, et al. **J Biol Chem** 1985 Oct 5;260(22):12252–8
X chromosome inactivation during induced differentiation of a female mouse embryonal carcinoma cell line. Paterno GD, et al. **J Cell Sci** 1985 Apr;75:149–63
The embryonal or 'primitive' tumors of the central nervous system [editorial] Rubinstein LJ. **J Neurooncol** 1985; 3(3):195–6
Cell kinetics analysis in a case of teratoma of the thoracic spine. Murovic JA, et al. **J Neurosurg** 1986 Sep;65(3):331–4
Immunohistochemical study of placental alkaline phosphatase in primary intracranial germ-cell tumors. Shinoda J, et al. **J Neurosurg** 1985 Nov;63(5):733–9
Malignant sacrococcygeal teratoma—endodermal sinus, yolk sac tumor—in infants and children: a 32-year review. Ein SH, et al. **J Pediatr Surg** 1985 Oct;20(5):473–7 (37 ref.)
Fetal sacrococcygeal teratoma. Flake AW, et al. **J Pediatr Surg** 1986 Jul;21(7):563–6
A case of simultaneous bilateral germ cell tumors arising from cryptorchid testes. Hayakawa M, et al. **J Urol** 1986 Aug; 136(2):470–2
Prognostic factors in nonseminomatous testicular cancer. Javadpour N, et al. **J Urol** 1986 Mar;135(3):497–9
Teratoma following cisplatin-based combination chemotherapy for nonseminomatous germ cell tumors: a clinicopathological correlation. Loehrer PJ Sr, et al. **J Urol** 1986 Jun;135(6):1183–9
Late relapse in testicular cancer from a residual tumour [letter] Kuzmits R, et al. **Lancet** 1986 May 24; 1(8491):1207–8
Intracranial embryonal carcinoma mixed with endodermal sinus tumor and teratomatous elements in the anterior third ventricle—case report. Iwasaki I, et al. **Neurol Med Chir (Tokyo)** 1985 Jul;25(7):554–8
Childhood cerebellopontine angle teratoma associated with congenital hydrocephalus. Waters DC, et al. **Neurosurgery** 1986 Jun;18(6):784–6
Case 6. Retroperitoneal teratoma. Gonzalez-Crussi F. **Pediatr Pathol** 1985;4(1–2):181–5
Teratomas of the tongue present at birth. Rodin AE, et al. **Pediatr Pathol** 1985;3(2–4):291–8
Embryoma (or embryonal tumor) of the parotid gland: report of two cases. Roth A, et al. **Pediatr Pathol** 1986;5(1):9–15
Nasopharyngeal teratoma attached to the lower jaw. Hirabayashi S, et al. **Plast Reconstr Surg** 1985 Dec; 76(6):939–41
Metastatic cervical teratoma of infancy. Pearl RM, et al. **Plast Reconstr Surg** 1986 Mar;77(3):469–73
Heterogeneity among germ cell tumors of the testis. Loehrer PJ Sr, et al. **Semin Oncol** 1985 Sep;12(3):304–16 (68 ref.)
Nasopharyngeal teratoma. Güney E, et al. **Turk J Pediatr** 1986 Apr–Jun;28(2):129–31
Adenomatoid tumor of the epididymis: immunohistochemical study of 8 cases. Detassis C, et al. **Urol Int** 1986;41(3):232–4
[Hybrids between F9 "nullipotent" teratocarcinoma and rat thymus cells produce differentiated cells] Hsu WM, et al. **Shih Yen Sheng Wu Hsueh Pao** 1985 Jun;18(2):177–87 (Eng. Abstr.) **(Chi)**
[Influence of the in vivo microenvironment on the differentiation of cloned B7-2 embryonal carcinoma cells] Yao Z, et al. **Shih Yen Sheng Wu Hsueh Pao** 1985 Jun; 18(2):239–49 (Eng. Abstr.) **(Chi)**
[Mediastinal tumors. Rapidly growing tumors—a diagnostic problem] Kristensen KD, et al. **Ugeskr Laeger** 1986 Jan 27;148(5):256–7 (Eng. Abstr.) **(Dan)**
[Primary heteroplastic dysgerminomas and dysembryomas of the mediastinum. Embryological review and definitions] Dabouis G, et al. **Ann Chir** 1986 Mar;40(2):120, 123 (Eng. Abstr.) **(Fre)**
[Anatomo-pathological study of heteroplastic dysembryomas of the mediastinum] de Lajartre AY, et al. **Ann Chir** 1986 Mar;40(2):124–30 (Eng. Abstr.) **(Fre)**
[Development of 3 populations of embryonal bodies in monolayer culture and in suspension] Costa-Llobet C, et al. **Bull Assoc Anat (Nancy)** 1984 Sep;68(202):251–60 (Eng. Abstr.) **(Fre)**
[Gliomatosis peritonei. An unusual form of metastasis of an immature ovarian teratoma] Mitze M, et al. **Pathologe** 1986 Jul;7(4):222–4 (Eng. Abstr.) **(Ger)**
[Malignant retroperitoneal teratoma] Gurrieri V, et al. **Chir Ital** 1985 Oct;37(5):539–50 (Eng. Abstr.) **(Ita)**
[Benign tumors of the testicle] Frea B, et al. **Minerva Urol Nefrol** 1985 Jan–Mar;37(1):63–7 (Eng. Abstr.) **(Ita)**
[Cystic cervico-dorso-lumbar teratoma] Giacomini P, et al. **Riv Neurol** 1986 Jan–Feb;56(1):1–8 (Eng. Abstr.) **(Ita)**
[Report of cases of adenomatoid tumors of the epididymis] Miyazaki N, et al. **Hinyokika Kiyo** 1986 Apr;32(4):611–4 (Eng. Abstr.) **(Jpn)**
[A case of adenomatoid tumor in the testis] Marumo K, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Sep;76(9):1425–7 (Eng. Abstr.) **(Jpn)**
[A case report of pulmonary blastoma] Okitsu H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Feb;34(2):236–40 (Eng. Abstr.) **(Jpn)**
[Teratoma] Pokrovskaia NN. **Arkh Patol** 1985;47(8):82–6 (Eng. Abstr.) **(Rus)**
[Teratoblastoma of the right atrium] Beliaev PA, et al. **Grudn Khir** 1986 Mar–Apr;(2):80–1 **(Rus)**

PHYSIOPATHOLOGY

Neuronal differentiation of cloned human teratoma cells in response to retinoic acid in vitro. Webb M, et al. **J Neuroimmunol** 1986 Mar;11(1):67–86
Late relapse in testicular teratoma after chemotherapy [letter] Chan SY, et al. **Lancet** 1985 Oct 5;2(8458):773–4
X chromosome reactivation in mouse embryonal carcinoma cells. Paterno GD, et al. **Mol Cell Biol** 1985 Oct; 5(10):2705–12
Inhibition of gap junctional intercellular communication in human teratocarcinoma cells by organochlorine pesticides. Lin ZX, et al. **Toxicol Appl Pharmacol** 1986 Mar 30; 83(1):10–9

PSYCHOLOGY

Development of agoraphobia after surviving cancer. Viswanathan R, et al. **Gen Hosp Psychiatry** 1986 Mar; 8(2):127–32

RADIOGRAPHY

Anorectal malformation, sacral bony abnormality and presacral mass. DeLuca SA. **Am Fam Physician** 1986 Jan; 33(1):133–4
The accuracy of CT scanning prior to para-aortic lymphadenectomy in patients with bulky metastases from testicular teratoma. Kennedy CL, et al. **Br J Urol** 1985 Dec;57(6):755–8
Posterior mediastinal teratoma. Narasimharao KL, et al. **Indian Pediatr** 1986 Jun;23(6):469–70
Intrapericardial teratoma in infancy: a rare disease. Seguin JR, et al. **J Cardiovasc Surg (Torino)** 1986 Jul–Aug; 27(4):509–11
Malignant teratoma of the parapharyngeal space in an adult: a rare lesion presenting as cervical cord compression. Sacher M, et al. **J Comput Tomogr** 1986 Jan;10(1):37–40
Massive mediastinal Hodgkin's disease with calcification masquerading teratocarcinoma: differentiation by computed tomography. Shin MS, et al. **J Comput Tomogr** 1985 Oct;9(4):321–7
Duplicated inferior vena cava simulating retroperitoneal lymphadenopathy in a patient with embryonal cell carcinoma of the testicle. Klimberg I, et al. **J Urol** 1986 Sep;136(3):678–9
Shard-like calcifications in retroperitoneal teratomas. Schey WL, et al. **Pediatr Radiol** 1986;16(1):82–4
Posterior mediastinal teratoma. Wilms G, et al. **ROFO** 1986 Jul;145(1):112–3
Trigerminal teratoma of the tonsil. Barr L, et al. **South Med J** 1986 Mar;79(3):386–7
[A case of benign mediastinal teratoma operated on after eleven years' observation] Reshad K, et al. **Bull Chest Dis Res Inst Kyoto Univ** 1981 Mar;14(1–2):22–32 (Eng. Abstr.) **(Jpn)**

RADIOTHERAPY

The management of early stage non-seminomatous germ cell tumours of the testis: Edinburgh 1970–1981. Duncan W, et al. **Br J Urol** 1985 Oct;57(5):560–6
Children fathered by men treated for testicular cancer. Senturia YD, et al. **Lancet** 1985 Oct 5;2(8458):766–9
[Radiation treatment of malignant testicular tumors—results, side effects, analysis of recurrences] Grodd W, et al. **Strahlenther Onkol** 1986 Feb;162(2):79–87 (Eng. Abstr.) **(Ger)**

SECONDARY

Incipient germ cell tumor in Sertoli-cell-only syndrome testis, accompanied with retroperitoneal teratocarcinoma and widespread metastases. Mori H, et al. **Acta Pathol Jpn** 1986 Jul;36(7):1067–73
Non-Wilms' intravascular masses in childhood [letter]

Johnson N, et al. **AJR** 1986 May;146(5):1098

The role of radiotherapy after chemotherapy in the management of persistent para-aortic nodal disease in non-seminomatous germ cell tumours. Read G, et al. **Br J Cancer** 1986 May;53(5):623–8

Intracardiac metastases from malignant teratoma of the testis. Pillai R, et al. **J Thorac Cardiovasc Surg** 1986 Jul; 92(1):118–20

Computerized tomography diagnosis of diffuse intraperitoneal metastases after retroperitoneal lymphadenectomy for testicular carcinoma. Barakos JA, et al. **J Urol** 1986 Sep;136(3):680–1

Bleomycin-induced nodular pulmonary fibrosis masquerading as metastatic testicular cancer. Dineen MK, et al. **J Urol** 1986 Aug;136(2):473–5

Mature teratoma of the testis metastasizing as mature teratoma. Kusuda L, et al. **J Urol** 1986 May;135(5):1020–2

Nonseminomatous germ cell tumor of the testicle: does extensive staging of the primary tumor predict the likelihood of metastatic disease? Rodriguez PN, et al. **J Urol** 1986 Sep;136(3):604–8

Sudden cerebral death in malignant presacral teratoma. Chan KW, et al. **Med Pediatr Oncol** 1985;13(6):395–7

Accumulation of 111In-bleomycin in metastatic lesions from carcinoma of the uterine cervix and the ovary. Kida T, et al. **Oncology** 1986;43(4):234–6

[The effectiveness of chemotherapy and craniotomy for brain metastasis of non-seminomatous testicular tumor] Yamamoto N, et al. **Hinyokika Kiyo** 1985 Aug; 31(8):1489–99 (Eng. Abstr.) **(Jpn)**

[Metastatic pulmonary and mediastinal carcinoma from testicular teratocarcinoma differentiating into a completely mature teratoma—a case report] Ohno K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Feb;34(2):226–9 (Eng. Abstr.) **(Jpn)**

[Teratoblastoma of the ovary with signs of nervous system involvement] Kirienko MG. **Vrach Delo** 1986 Jul;(7):60–1 **(Rus)**

SECRETION

A human testicular germ cell tumor with borderline histology between seminoma and embryonal carcinoma secreted beta-human chorionic gonadotropin and alpha-fetoprotein only as a xenograft. Walt H, et al. **Cancer** 1986 Jul 1; 58(1):139–46

Reversible effects of dibutyryl cAMP on laminin and type IV collagen secretion from retinoic acid treated F9 cells. Morita A, et al. **J Cell Physiol** 1985 Nov;125(2):263–72

SURGERY

Surgical aspects of pineal region tumors in children. Broere G. **Acta Neurochir [Suppl] (Wien)** 1985;35:111–3

Lymphocele after retroperitoneal node dissection for testis tumor. Messing EM, et al. **Cancer** 1986 Feb 15;57(4):871–4

Teratomas in infancy and childhood. Grosfeld JL, et al. **Curr Probl Cancer** 1985 Sep;9(9):1–53 (159 ref.)

Successful reinnervation of the diaphragm after phrenic nerve transection. Brouillette RT, et al. **J Pediatr Surg** 1986 Jan; 21(1):63–5

Selection of testicular tumor patients for omission of retroperitoneal lymph node dissection. Herr HW, et al. **J Urol** 1986 Mar;135(3):500–3

Outpatient treatment of superficial bladder cancer [letter] Fowler CG, et al. **Lancet** 1986 Jan 4;1(8471):38

Total removal of embryonal carcinoma in the pineal region—case report and review of the literature. Masaki S, et al. **Neurol Med Chir (Tokyo)** 1985 Jul;25(7):571–7

Face-lifting for a benign teratoid tumor of the nasiobregma [letter] Bing S. **Plast Reconstr Surg** 1986 Jul;78(1):120–1

Surgically preventable site of local recurrence of testicular carcinoma. Jaskulsky SR, et al. **Urology** 1986 May; 27(5):407–9

[Mature heteroplastic dysembryomas. Results of a multicenter survey] Despins P. **Ann Chir** 1986 Mar; 40(2):132–5 (Eng. Abstr.) **(Fre)**

[A case report of infantile testicular cancer: dissection of paraaortic lymph node involvement indicated by gradual rise in serum alpha-fetoprotein after orchiectomy] Takeuchi T, et al. **Hinyokika Kiyo** 1985 Sep;31(9):1643–8 (Eng. Abstr.) **(Jpn)**

[A case of giant intracranial teratoma in early infancy. A 13 years' follow-up study after operation] Shirane R, et al. **No Shinkei Geka** 1985 Oct;13(10):1103–7 (Eng. Abstr.) **(Jpn)**

THERAPY

Uncomplicated administration of blood products warmed to 37 degrees C in a patient with T activation of the red cell membrane. Davis HP, et al. **Clin Lab Haematol** 1985; 7(2):173–6

Teratomas in childhood: analysis of 142 cases. Billmire DF, et al. **J Pediatr Surg** 1986 Jun;21(6):548–51

Immature ovarian teratoma: a review of 14 cases. Nielsen SN, et al. **Mayo Clin Proc** 1986 Feb;61(2):110–5

Testicular tumours in children. Livingstone RR, et al. **S Afr Med J** 1986 Aug 2;70(3):168–9

[Primary heteroplastic dysgerminomas and dysembryomas of the mediastinum. Proposals on management] Fumoleau P. **Ann Chir** 1986 Mar;40(2):145 **(Fre)**

[A case of immature mediastinal teratoma] Ozeki Y, et al. **Gan No Rinsho** 1985 Nov;31(14):1825–30 (Eng. Abstr.) **(Jpn)**

[Surgery and combined chemotherapy of ovarian cancer] Kasamatsu T, et al. **Gan To Kagaku Ryoho** 1986 Apr;13(4 Pt 2):1564–9 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

Embryological and ultrastructural aspects of embryoid bodies. Monzó M, et al. **Arch Ital Anat Embriol** 1985 Oct–Dec;90(4):297–306

Evidence for the existence of an early common biochemical pathway in the differentiation of F9 cells into visceral or parietal endoderm: modulation by cyclic AMP. Grover A, et al. **Dev Biol** 1986 Apr;114(2):492–503

Changes of surface glycoproteins after retinoic acid–dibutyryl cAMP–induced differentiation of teratocarcinoma stem cells. Joukoff E, et al. **Dev Biol** 1986 Apr;114(2):289–95

Effects of pulsed electromagnetic field on growth and differentiation of embryonal carcinoma cells. Akamine T, et al. **J Cell Physiol** 1985 Aug;124(2):247–54

Differentiation of NTERA-2 clonal human embryonal carcinoma cells into neurons involves the induction of all three neurofilament proteins. Lee VM, et al. **J Neurosci** 1986 Feb;6(2):514–21

Induction of neural connections in F9 embryonal carcinoma cultures. Wartiovaara J, et al. **Prog Clin Biol Res** 1986; 217A:115–8

[Electron microscopic studies on histogenesis of testicular tumors. 3. Fine structure of human testicular germ cell tumors] Satoh K, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Jan;77(1):98–113 (Eng. Abstr.) **(Jpn)**

VETERINARY

Testicular teratocarcinoma in a horse. Shaw DP, et al. **Vet Pathol** 1986 May;23(3):327–8

Metastatic testicular embryonal carcinoma in a horse. Valentine BA, et al. **Vet Pathol** 1986 Jan;23(1):92–6

Teratoma in a duck. Hamir AN. **Vet Rec** 1985 Sep 21; 117(12):314

TERATOMA, CYSTIC see **DERMOID CYST**

TERATOMA, MATURE see **DERMOID CYST**

TERBIUM

The influence of DNA sequence on terbium (III) fluorescence enhancement by DNA. Ringer DP, et al. **J Inorg Biochem** 1985 Jun;24(2):137–45

ANALYSIS

[Fluorescence of Tb3 complexes with metaphase chromosomes of mink fibroblasts] Beliaev ND, et al. **Biokhimiia** 1985 Nov;50(11):1782–5 (Eng. Abstr.) **(Rus)**

METABOLISM

The interaction of Tb3+ with the human platelet surface. Loscalzo J, et al. **Arch Biochem Biophys** 1986 Aug 15; 249(1):237–42

Terbium probe of calcium-binding sites on the prothrombin-membrane complex. Sommerville LE, et al. **J Biol Chem** 1986 May 15;261(14):6222–9

PHARMACODYNAMICS

Terbium(III)-induced conformational transition in poly(dG-dC) fluorescence and circular dichroic studies. Chatterji D. **FEBS Lett** 1986 Jul 14;203(1):54–8

Chemical modification of bovine prothrombin fragment 1 in the presence of Tb3+ ions. Wright SF, et al. **J Biol Chem** 1986 Aug 15;261(23):10598–605

TERBUTALINE

ADMINISTRATION & DOSAGE

On resorption and the effects of vaginally administered terbutaline in women with premature labor. Kullander S, et al. **Acta Obstet Gynecol Scand** 1985;64(7):613–6

Terbutaline depot tablets in childhood asthma. A double-blind controlled study. Foged N, et al. **Allergy** 1985 Oct;40(7):497–500

A new inhalation technique for improved effect of aerosolized drugs in asthma. The shrug of the shoulder method. Laursen LC. **Allergy** 1986 Feb;41(2):157–9

Sustained-release terbutaline in nocturnal asthma. Westermann CJ, et al. **Allergy** 1986 May;41(4):308–10

Detection of preterm labor by ambulatory monitoring of uterine activity for the management of oral tocolysis. Katz M, et al. **Am J Obstet Gynecol** 1986 Jun;154(6):1253–6

Terbutaline by metered-dose inhaler: conventional inhaler versus tube spacer for children with asthma. Becker AB, et al. **Ann Allergy** 1985 Nov;55(5):724–8

A comparison of the clinical and bronchodilating effects of plain and slow-release tablets of terbutaline at steady state. Pauwels R, et al. **Br J Clin Pharmacol** 1986 Feb; 21(2):217–22

Optimal use of tube spacer aerosols in asthmatic children. Pedersen S. **Clin Allergy** 1985 Sep;15(5):473–8

Airflows after inhalation of terbutaline sulphate aerosol from a 750-ml spacer for four weeks. Eriksson NE, et al. **Clin Ther** 1986;8(2):211–8

The importance of a pause between the inhalation of two puffs of terbutaline from a pressurized aerosol with a tube spacer. Pedersen S. **J Allergy Clin Immunol** 1986 Mar; 77(3):505–9

Terbutaline-induced desensitization of human lymphocyte beta 2-adrenoceptors. Accelerated restoration of beta-adrenoceptor responsiveness by prednisone and ketotifen. Brodde OE, et al. **J Clin Invest** 1985 Sep; 76(3):1096–101

Tracheal relaxation from combinations of xanthines and of a beta 2-receptor agonist and xanthines. Persson CG, et al. **Lung** 1986;164(1):33–40

Pear shaped spacer nebuhaler compared with nebulised solution for terbutaline administration in acute severe asthma. Beasley CR, et al. **NZ Med J** 1985 Oct 9; 98(788):854–5

Effects of divided doses of a bronchodilator aerosol and the intervening time interval on the forced expiration. Hidinger KG, et al. **Respiration** 1986;50(1):49–56

Effect of aerosol particle size on bronchodilatation with nebulised terbutaline in asthmatic subjects. Clay MM, et al. **Thorax** 1986 May;41(5):364–8

ADVERSE EFFECTS

Terbutaline-induced hypotension in a pregnant asthmatic patient. Margulies JL, et al. **Am J Emerg Med** 1986 May; 4(3):218–21

Paradoxical response to intravenous terbutaline. Bhat N, et al. **Am J Obstet Gynecol** 1985 Oct 1;153(3):310–1

Ventricular arrhythmias after terbutaline administration to patients anesthetized with halothane. Thiagarajah S, et al. **Anesth Analg** 1986 Apr;65(4):417–8

Potentiation of the adverse effects of intravenous terbutaline by oral theophylline. Smith SR, et al. **Br J Clin Pharmacol** 1986 Apr;21(4):451–3

Antenatal management of terbutaline—effects on infants born preterm. Svenningsen NW, et al. **J Singapore Paediatr Soc** 1985;27(3–4):208–14

Overdosage of subcutaneous terbutaline in the treatment of preterm labor. Hill WC. **Nebr Med J** 1986 Jul;71(7):242–3

[Hyperkalemia precipitated by beta 2 receptor agonists] Djurhuus S, et al. **Ugeskr Laeger** 1986 Apr 7;148(15):900–1 (Eng. Abstr.) **(Dan)**

ANALOGS & DERIVATIVES

Bronchodilator activity of a new inhaled beta 2-adrenoceptor agonist, tulobuterol and its protective effect in exercise-induced asthma. Patel KR. **Br J Clin Pharmacol** 1986 Feb;21(2):234–7

Comparison of bronchodilator effect of tulobuterol and salbutamol aerosols in patients with asthma. Patel KR. **Br J Clin Pharmacol** 1985 Dec;20(6):717–8

Bambuterol: dose response study of a new terbutaline prodrug in asthma. Holstein-Rathlou NH, et al. **Eur J Clin Pharmacol** 1986;30(1):7–11

Bambuterol: effects of a new anti-asthmatic drug. Pedersen BK, et al. **Eur J Clin Pharmacol** 1985;29(4):425–7

ANALYSIS

Stability of terbutaline sulfate admixtures stored in polyvinyl chloride bags. Mehta J, et al. **Am J Hosp Pharm** 1986 Jul; 43(7):1760–2

Simple colorimetric method for determination of terbutaline sulfate from pharmaceutical preparations. Sane RT, et al. **J Assoc Off Anal Chem** 1986 Mar–Apr;69(2):186–8

DIAGNOSTIC USE

Histopathological support of antagonism of allergen-induced mast cell mediator release in human skin by a beta-2-agonist. Grönneberg R, et al. **Allergy** 1986 Jan; 41(1):71–4

METABOLISM

Pharmacokinetics of terbutaline during pregnancy. Lyrenäs S, et al. **Eur J Clin Pharmacol** 1986;29(5):619–23

PHARMACODYNAMICS

Short-term oral terbutaline does not induce myocardial hypertrophy in man. Eskilsson J, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Feb;58(2):126–8

Effects of isoprenaline and terbutaline on urinary excretion of histamine and its two main metabolites in systemic mastocytosis. van Doormaal JJ, et al. **Agents Actions** 1986 Apr;18(1–2):269–72

Synergistic interactions of somatomedin-C with adenosine 3',5'-cyclic monophosphate-dependent granulosa cell agonists. Adashi EY, et al. **Biol Reprod** 1986 Feb;34(1):81–8

The role of cardiac beta-1 receptors in the hemodynamic response to a beta-2 agonist. Strauss MH, et al. **Clin Pharmacol Ther** 1986 Jul;40(1):108–15

Glucose tolerance and insulin and C-peptide responses after various insulin secretory stimuli in hyper- and hypothyroid subjects before and after treatment. Ahrén B, et al. **Diabetes Res** 1985 Mar;2(2):95–103

Inotropic selectivity of salbutamol and terbutaline in anaesthetised, areflexic dogs. Engel B, et al. **Eur J Pharmacol** 1985 Oct 8;116(1–2):97–104

Beta adrenergic influence on oesophageal peristalsis in man. Lyrenäs E, et al. **Gut** 1986 Mar;27(3):260–6

Downgrading of biochemical and cardiovascular responses to an intravenous infusion of terbutaline following chronic treatment with oral terbutaline. Smith SR, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Jan;24(1):1–3

Effects of terbutaline on sodium transport in isolated perfused rat lung. Crandall ED, et al. **J Appl Physiol** 1986 Jan; 60(1):289–94

Growth of rat salivary glands after terbutaline or dobutamine. Schneyer CA. **J Oral Pathol** 1986 Feb;15(2):66–70

Effects of infusion of the beta-adrenoceptor agonist terbutaline on serum magnesium in pregnant women. Bremme K, et al. **Magnesium** 1986;5(2):85–94

Effects of carotid body maturation and terbutaline on the laryngeal chemoreflex in newborn lambs. Grogaard J, et al. **Pediatr Res** 1986 Aug;20(8):724–9

Failure of beta-adrenergic stimulation to affect cholecystokinin-stimulated sigmoid motility in man. Lyrenäs E, et al. **Scand J Gastroenterol** 1985 Dec; 20(10):1169–74

Rectosigmoid motility response to beta-adrenoceptor stimulation in patients with the irritable bowel syndrome. Lyrenäs E, et al. **Scand J Gastroenterol** 1985 Dec; 20(10):1163–8

[Effect of dobutamine and terbutaline on adenylate cyclase activity of the kidney pelvis and ureter in the adult rat] Kondo T, et al. **Nippon Heikatsukin Gakkai Zasshi** 1985 Aug;21(4):284–5 **(Jpn)**

[Effects of dobutamine and terbutaline on adenylate cyclase activity in rabbit renal pelvis and ureter] Kondo S, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Sep;76(9):1401–6 (Eng. Abstr.) **(Jpn)**

[Effects of dobutamine and terbutaline on isometric force of rabbit pelvi-ureteral smooth muscle strips] Morita T, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Mar; 77(3):501–6 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Ritodrine and terbutaline compared for the treatment of preterm labor. Kosasa TS, et al. **Acta Obstet Gynecol Scand** 1985;64(5):421–6

Bronchodilator effects of terbutaline and theophylline alone and in combination in patients with chronic obstructive lung disease. Baadsgaard O, et al. **Allergol Immunopathol (Madr)** 1985 Nov–Dec;13(6):471–4

Procaterol and terbutaline in bronchial asthma. A double-blind, placebo-controlled, cross-over study. Dahl R, et al. **Allergy** 1985 Oct;40(7):501–5

Sustained-release terbutaline vs sustained-release theophylline in young patients with asthma. Roberts JR, et al. **Am J Dis Child** 1986 Jul;140(7):650–4

A retrospective study on the effects of steroid administration and prolongation of the latent phase in patients with preterm premature rupture of the membranes. Arias F, et al. **Am J Obstet Gynecol** 1986 May;154(5):1059–63

A comparison of ritodrine, terbutaline, and magnesium sulfate for the suppression of preterm labor. Beall MH, et al. **Am J Obstet Gynecol** 1985 Dec 15;153(8):854–9

Use of intravenous terbutaline to facilitate uterine repositioning [letter] Catanzarite V, et al. **Am J Obstet Gynecol** 1985 Nov 1;153(5):591–2

Single injection of terbutaline in term labor. II. Effect on uterine activity. Ingemarsson I, et al. **Am J Obstet Gynecol** 1985 Dec 15;153(8):865–9

Single injection of terbutaline in term labor. I. Effect on fetal pH in cases with prolonged bradycardia. Ingemarsson I, et al. **Am J Obstet Gynecol** 1985 Dec 15;153(8):859–65

Addition of terbutaline to optimal theophylline therapy. Double blind crossover study in asthmatic patients. Vandewalker ML, et al. **Chest** 1986 Aug;90(2):198–203

Bambuterol: dose response study of a new terbutaline prodrug in asthma. Holstein-Rathlou NH, et al. **Eur J Clin Pharmacol** 1986;30(1):7–11

Bambuterol: effects of a new anti-asthmatic drug. Pedersen BK, et al. **Eur J Clin Pharmacol** 1985;29(4):425–7

Acute asthma—plasma levels and effect of terbutaline i.v. injection. Boe J, et al. **Eur J Respir Dis** 1985 Oct; 67(4):261–8

Comparative effects of acute O2 breathing and terbutaline in patients with chronic obstructive pulmonary disease. A combined hemodynamic and radionuclide study. Tschopp JM, et al. **Eur J Respir Dis** 1985 Nov;67(5):351–9

Comparison of subcutaneous salbutamol and terbutaline with adrenaline. Sharma TN, et al. **Indian J Chest Dis Allied Sci** 1985 Jan–Mar;27(1):27–30

Comparison of intravenous aminophylline, salbutamol and terbutaline in acute asthma. Sharma TN, et al. **Indian J Chest Dis Allied Sci** 1984 Jul–Sep;26(3):155–8

Serial serum potassium and glucose levels during treatment of premature labor with oral terbutaline. Jovanovic R. **Int J Gynaecol Obstet** 1985 Oct;23(5):399–404

Changes in bronchial hyperreactivity induced by 4 weeks of treatment with antiasthmatic drugs in patients with allergic asthma: a comparison between budesonide and terbutaline. Kraan J, et al. **J Allergy Clin Immunol** 1985 Oct;76(4):628–36

A five-year experience with terbutaline for preterm labor. Phuapradit W, et al. **J Med Assoc Thai** 1986 Apr; 69(4):224–8

Comparison of disodium cromoglycate, terbutaline and thiazinamium in the prevention of exercise-induced asthma and its relation to non-specific bronchial responsiveness. Gimeno F, et al. **Respiration** 1985;48(2):108–15

Terbutaline (Bricanyl) in the treatment of female urge incontinence. Lindholm P, et al. **Urol Int** 1986;41(2):158–60

[Medical treatment of external pancreatic fistulas: total parenteral nutrition, somatostatin, terbutaline (letter)] Millat B, et al. **Gastroenterol Clin Biol** 1985 Dec;9(12):952 **(Fre)**

TERMINAL CARE

see related
HOSPICES
PALLIATIVE TREATMENT

Soothing the ragged edge of pain. Bring back the dream lady... Beyerman K. **Am J Nurs** 1986 Sep;86(9):1034

Soothing the ragged edge of pain. Bring on the music... Jacob S. **Am J Nurs** 1986 Sep;86(9):1034

Daring to care. Norton MA. **Am J Nurs** 1985 Oct; 85(10):1098–9

Too soon to give up?! Scherer P. **Am J Nurs** 1986 Mar; 86(3):257–8

Vicky. Webb S. **Am J Nurs** 1985 Nov;85(11):1312

Is it normal for terminally ill patients to desire death? Brown JH, et al. **Am J Psychiatry** 1986 Feb;143(2):208–11

The use of methotrimeprazine in terminal care. Oliver DJ. **Br J Clin Pract** 1985 Sep;39(9):339–40

Oral symptoms and candida in the terminally ill. Finlay IG. **Br Med J [Clin Res]** 1986 Mar 1;292(6520):592–3

Terminal care at home: perspective from general practice. Haines A, et al. **Br Med J [Clin Res]** 1986 Apr 19; 292(6527):1051–3

Christianity and the dying [editorial] Smith T. **Br Med J [Clin Res]** 1985 Nov 2;291(6504):1223–4

Treating the terminal patient: "Ignorance is rife."Gilmore A. **Can Med Assoc J** 1986 Aug 1;135(3):235–6

Dyspnea in terminally ill cancer patients. Reuben DB, et al. **Chest** 1986 Feb;89(2):234–6

Hospice care. Mathew LM, et al. **Clin Geriatr Med** 1986 Aug;2(3):617–34 (36 ref.)

Patient-controlled analgesia in the terminally ill cancer patient. Baumann TJ, et al. **Drug Intell Clin Pharm** 1986 Apr;20(4):297–301

Ethics of death and dying. Poletti RA. **Int J Nurs Stud** 1985; 22(4):329–34

Nutrition intervention in the terminally ill cancer patient. Arnold C. **J Am Diet Assoc** 1986 Apr;86(4):522–3

Comfort measures for the terminally ill. Is dehydration painful? Billings JA. **J Am Geriatr Soc** 1985 Nov; 33(11):808–10

Fighting for life [editorial] Levinsky NG. **J Am Geriatr Soc** 1986 Sep;34(9):666–7

Analgesic use in terminal cancer patients: report from the National Hospice Study. Goldberg RJ, et al. **J Chronic Dis** 1986;39(1):37–45

An alternative in terminal care: results of the National Hospice Study. Greer DS, et al. **J Chronic Dis** 1986; 39(1):9–26

An overview of National Hospice Study findings. Greer DS, et al. **J Chronic Dis** 1986;39(1):5–7

Last days: a study of the quality of life of terminally ill cancer patients. Morris JN, et al. **J Chronic Dis** 1986;39(1):47–62

The effect of treatment setting and patient characteristics on pain in terminal cancer patients: a report from the National Hospice Study. Morris JN, et al. **J Chronic Dis** 1986;39(1):27–35

The role of imagery in the treatment of dying children and adolescents. LeBaron S, et al. **J Dev Behav Pediatr** 1985 Oct;6(5):252–8

Toward increased patient autonomy and choice of terminal care options [editorial] Geyman JP. **J Fam Pract** 1986 May; 22(5):399–400

Terminal dehydration [editorial] **Lancet** 1986 Feb 8; (8476):306

Training for work in hospices [letter] Ford G. **Lancet** 1986 May 17;1(8490):1156–7

Terminal care and the medical student [letter] Horn J, et al. **Lancet** 1985 Nov 2;2(8462):1015

Teaching and learning about terminal care. Chaput de Saintonge DM, et al. **Med Educ** 1986 Jul;20(4):335–41

How successful is teaching on terminal care? Mason C, et al. **Med Educ** 1986 Jul;20(4):342–8

Quality of life in cancer patients. Reizenstein P. **Med Oncol Tumor Pharmacother** 1986;3(2):51–4

Teaching humane care for dying patients. Lev EL. **Nurs Outlook** 1986 Sep–Oct;34(5):241–3

A retrospective study of patients with cancer in their terminal year. West SR, et al. **NZ Med J** 1986 Mar 26; 99(798):197–200

A survey of psychotropic use in terminal cancer patients. Goldberg RJ, et al. **Psychosomatics** 1985 Sep;26(9):745–8, 751

Control of common physical symptoms other than pain in patients with terminal disease. Levy MH, et al. **Semin Oncol** 1985 Dec;12(4):411–30 (98 ref.)

[Terminal care in nursing homes and the place of death of the nursing home residents] Kristiansen KH. **Ugeskr Laeger** 1986 Apr 14;148(16):983–5 (Eng. Abstr.) **(Dan)**

[Terminal home care: "an exceptional case"] Massop JH. **Ned Tijdschr Geneeskd** 1986 Feb 15;130(7):289–91 **(Dut)**

[Euthanasia, the physician and thanatology] Munnichs J. **Tijdschr Gerontol Geriatr** 1985 Oct;16(5):177 **(Dut)**

[Withholding therapy at the end of life? Can the physician still follow his conscience today?] Fritsche P. HNO 1985 Dec;33(12):527–33 **(Ger)**

[The psychological implications of cancer in the relations of the patient with the family and hospital environment] Canarutto P, et al. **Minerva Med** 1986 Aug 25; 77(32–33):1467–72 (Eng. Abstr.) **(Ita)**

[The family physician and the terminal patient] Frieyro JE, et al. **Med Clin (Barc)** 1985 Nov 23;85(17):702–4 **(Spa)**

[The terminal patient and euthanasia] Martinez-Fornés S. **Rev Esp Oncol** 1984;31(1):103–8 **(Spa)**

ECONOMICS

Medical care at the end of life: the interaction of economics and ethics. Scitovsky AA, et al. **Annu Rev Public Health** 1986;7:59–75

Cost savings in hospice: final results of the National Hospice Study. Mor V, et al. **Health Serv Res** 1985 Oct;20(4):407–22

LEGISLATION & JURISPRUDENCE

Ethics, law, and nutritional support [letter] Landsman RM. **Arch Intern Med** 1985 Nov;145(11):2130–1

Life-and-death decisions [editorial] Bukantz SC. **Hosp Pract [Off]** 1986 Apr 15;21(4):13, 17, 20

Discontinuing nutrition support: a review of the case law. Dresser R. **J Am Diet Assoc** 1985 Oct;85(10):1289–92

Feeding decisions for incompetent patients. Olins NJ. **J Am Geriatr Soc** 1986 Apr;34(4):313–7

Need for hospice approach to treatment of patients with advanced progressive dementia. Volicer L. **J Am Geriatr Soc** 1986 Sep;34(9):655–8

Hospices: medical and legal considerations. Scham M, et al. **Leg Med** 1985;:297–322

METHODS

The use of the syringe driver in terminal care [letter] Oliver DJ. **Br J Clin Pharmacol** 1985 Nov;20(5):515–6

Medical management of the dying patient. Schofferman J. **Front Radiat Ther Oncol** 1986;20:178–81 (14 ref.)

LSD in the supportive care of the terminally ill cancer patient. Kurland AA. **J Psychoactive Drugs** 1985 Oct–Dec; 17(4):279–90

Home care for children dying of cancer. Martinson IM, et al. **Res Nurs Health** 1986 Mar;9(1):11–6

[Palliative care and treatment of cancer pain in geriatrics. Our institutional experience] Rappaz O, et al. **Ther Umsch** 1985 Dec;42(12):843–8 (Eng. Abstr.) **(Fre)**

[Management of patients with terminal heart disease] Bertel O. **Schweiz Rundsch Med Prax** 1986 Jun 24;75(26):779–80 **(Ger)**

[Alternatives for the care of the terminal patient (letter)] Garcia Arcal C, et al. **Med Clin (Barc)** 1986 May 3; 86(17):738–9 **(Spa)**

ORGANIZATION & ADMINISTRATION

The specialist contribution to the care of the terminally ill patient: support or substitution? [editorial] Pugsley R, et al. **J R Coll Gen Pract** 1986 Aug;36(289):347–8

Terminal care [letter] Wright-St Clair RE. **NZ Med J** 1986 Feb 26;99(796):122

PSYCHOLOGY

If I can do anything.... Dolan MB. **Am J Nurs** 1986 Feb; 86(2):143–4

Barriers to psychological care of the dying. Maguire P. **Br Med J [Clin Res]** 1985 Dec 14;291(6510):1711–3

Clinical approaches to care of the terminally ill family. Engelman SR. **Int J Psychosom** 1986;33(2):48–50

Therapeutic choices in end-stage cancer [letter] Nitschke R, et al. **J Pediatr** 1986 Feb;108(2):330–1

Life threatening illness. Wright LK. **J Psychosoc Nurs Ment Health Serv** 1985 Sep;23(9):7–11

Hospice: management of the dying patient. Hester GS. **J Tenn Med Assoc** 1986 Jan;79(1):18–20

[Communication with the terminal patient] Sanz Ortiz J. **Med Clin (Barc)** 1986 Apr 5;86(13):545–6 **(Spa)**

STANDARDS

Nursing care of the dying: its relationship to selected nurse characteristics. Reisetter KH, et al. **Int J Nurs Stud** 1986; 23(1):39–50

Terminal care: how can we do better? Wilkes E. **J R Coll Physicians Lond** 1986 Jul;20(3):216–8

Pediatric hospice care. Corr CA, et al. **Pediatrics** 1985 Nov; 76(5):774–80

Dying well: moral challenges in terminal care. Higgs R. **Practitioner** 1985 Dec;229(1410):1073–7

TRENDS

Hospice services on Oahu. Smyser AA. **Hawaii Med J** 1986 Jun;45(6):186, 194

TERMINATION, EMPLOYMENT see **EMPLOYMENT**

TERMINATOR REGIONS (GENETICS) see under **GENES, REGULATOR**

TERPENE PHOSPHATES see **POLYISOPRENYL PHOSPHATES**

TERPENES

Properties of lecithin–dodecaprenol macrovesicular bilayer membranes. Janas T, et al. **Chem Phys Lipids** 1986 Mar–Apr;39(4):347–55

Early stages of the pathogenesis of rat ventral prostate hyperplasia induced by citral. Servadio C, et al. **Eur Urol** 1986;12(3):195–200

Sesterterpenes: an emerging group of metabolites from marine and terrestrial organisms. Crews P, et al. **Fortschr Chem Org Naturst** 1985;48:203–69 (164 ref.)

2H NMR investigation of the organization and dynamics of polyisoprenols in membranes. de Ropp JS, et al. **J Biol Chem** 1985 Dec 15;260(29):15669–74

Increased susceptibility of old mice to plasmacytoma induction. Sato K, et al. **J Gerontol** 1986 Jan;41(1):24–9

Toxicity of D–limonene, the major component of citrus peel oil, to all life stages of the cat flea, Ctenocephalides felis (Siphonaptera: Pulicidae). Hink WF, et al. **J Med Entomol** 1986 Jul 28;23(4):400–4

ADMINISTRATION & DOSAGE

Antifertility effect of neem oil in female albino rats by the intravaginal & oral routes. Lal R, et al. **Indian J Med Res** 1986 Jan;83:89–92

Regression of rat primary mammary tumors following dietary d–limonene. Elegbede JA, et al. **JNCI** 1986 Feb;76(2):323–5

[Clinical study of an emulsion of orange–peel oil and CDTA to dissolve retained bile duct stones] Fu HG, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1985 Oct;5(10):595–8, 578 (Eng. Abstr.) **(Chi)**

[Dissolution of retained biliary stones with a compound prescription of orange–peel emulsion—a clinical analysis of 134 cases] Pei DK. **Chung Hsi I Chieh Ho Tsa Chih** 1985 Oct;5(10):591–4, 578 (Eng. Abstr.) **(Chi)**

ADVERSE EFFECTS

Geraniol dermatitis. Romaguera C, et al. **Contact Dermatitis** 1986 Mar;14(3):185–6

ANALYSIS

Monitoring by headspace gaschromatography (HSGC) of formation and thermal stability of terpene beta–cyclodextrin complexes. Vincieri FF, et al. **Farmaco [Prat]** 1986 Mar;41(3):98–106

Limonoids from the seeds of Melia azedarach. Srivastava SD. **J Nat Prod** 1986 Jan–Feb;49(1):56–61

Terpene hydrocarbons in Pimpinella anisum L. Burkhardt G, et al. **Pharm Weekbl [Sci]** 1986 Jun 20;8(3):190–3

[Isolation of the principal sugars of Stevia rebaudiana] Aquino RP, et al. **Boll Soc Ital Biol Sper** 1985 Sep 30; 61(9):1247–52 (Eng. Abstr.) **(Ita)**

[Miscellaneous contributions to the essential oils of plants from various territories. XLVII. On the components of essential oils of Cinnamomum sieboldii Meisn] Fujita S. **Yakugaku Zasshi** 1986 Jan;106(1):17–21 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Differentiation of neuroblastoma cells induced by an inhibitor of mevalonate synthesis: relation of neurite outgrowth and acetylcholinesterase activity to changes in cell proliferation and blocked isoprenoid synthesis. Maltese WA, et al. **J Cell Physiol** 1985 Dec;125(3):540–58

Mevalonic aciduria—an inborn error of cholesterol and nonsterol isoprene biosynthesis. Hoffmann G, et al. **N Engl J Med** 1986 Jun 19;314(25):1610–4

CHEMICAL SYNTHESIS

Cholagogic action and characteristics of (+/–)–alpha–terpineol–beta–D–O–glucopyranoside, a new monoterpenoid glucoside. Yamahara J, et al. **Chem Pharm Bull (Tokyo)** 1985 Apr;33(4):1669–75

ISOLATION & PURIFICATION

Structures of two natural hypotensive Diels–Alder type adducts, mulberrofurans F and G, from the cultivated mulberry tree (Morus lhou KOIDZ.). Fukai T, et al. **Chem Pharm Bull (Tokyo)** 1985 Aug;33(8):3195–204

Studies on Pteridium aquilinum var. latiusculum, IV. Isolation of three p–hydroxystyrene glycosides and an efficient method for the isolation of ptaquiloside, an unstable bracken carcinogen. Ojika M, et al. **J Nat Prod** 1985 Jul–Aug;48(4):634–7

[Studies on the carcinogenicity of bracken fern (Pteridium aquilinum)] Zhang WD. **Chung Hua I Hsueh Tsa Chih** 1985 Jul;65(7):435–8 **(Chi)**

[The active principles of Litsea cubeba in the treatment of coronary heart disease] Wang CY. **Chung Yao Tung Pao** 1985 Sep;10(9):30–2 **(Chi)**

[The occurrence of paeoniflorins and paeonols in Paeoniaceae] Yu J, et al. **Yao Hsueh Hsueh Pao** 1985 Mar; 20(3):229–34 (Eng. Abstr.) **(Chi)**

METABOLISM

Metabolism of exogenous polyisoprenoids by animal cells cultured in vitro. Krajewska–Rychlik I. **Acta Biochim Pol** 1985;32(3):211–23

Stereochemical studies of natural products biosynthesis. Cane DE. **Ann NY Acad Sci** 19..6;471:130–7

Metabolism of monoterpenes: demonstration that (+)–cis–isopulegone, not piperitenone, is the key intermediate in the conversion of (–)–isopiperitenone to (+)–pulegone in peppermint (Mentha piperita). Croteau R, et al. **Arch Biochem Biophys** 1986 Sep;249(2):306–15

Camphoroquinone reduction: another reaction catalyzed by rat liver cytosol 3 alpha–hydroxysteroid dehydrogenase. Boutin JA. **Biochim Biophys Acta** 1986 Apr 22; 870(3):463–72

Metabolic activation and cytotoxicity of 4–ipomeanol in human non–small cell lung cancer lines. Falzon M, et al. **Cancer Res** 1986 Jul;46(7):3484–9

Biosynthesis of polyisoprenoid lipids in the rat tapeworm Hymenolepis diminuta. Johnson WJ, et al. **Comp Biochem Physiol [B]** 1985;82(3):487–95

Enzymatic cyclization of all–trans pentaprenyl and hexaprenyl methyl ethers by a cell–free system from the protozoon Tetrahymena pyriformis. The biosynthesis of scalarane and polycyclohexaprenyl derivatives. Renoux JM, et al. **Eur J Biochem** 1986 Feb 17;155(1):125–32

Inhibition of monoterpene cyclases by sulfonium analogs of presumptive carbocationic intermediates of the cyclization reaction. Croteau R, et al. **J Biol Chem** 1986 Jun 5; 261(16):7257–63

Biosynthesis of monoterpenes. Enantioselectivity in the enzymatic cyclization of linalyl pyrophosphate to (–)–endo–fenchol. Satterwhite DM, et al. **J Biol Chem** 1985 Nov 15;260(26):13901–8

Biotransformation of trans–sobrerol. III. Metabolites of 8–hydroxycarvotanacetone in the rat. Ventura P, et al. **Xenobiotica** 1986 Apr;16(4):317–23

PHARMACODYNAMICS

Effect of recombinant human fibroblast interferon and mezerein on growth, differentiation, immune interferon binding and tumor associated antigen expression in human melanoma cells. Fisher PB, et al. **Anticancer Res** 1986 Jul–Aug;6(4):765–74

Correlation of biliary epomediol–beta–glucuronide levels with bile flow enhancement in the rat. Ventura P, et al. **Arzneimittelforschung** 1985;35(10):1548–9

Phosphorylation and inactivation of rat hepatocyte glycogen synthase by phorbol esters and mezerein. Ariño J, et al. **Biochem Biophys Res Commun** 1986 Jan 14;134(1):113–9

Molecular pharmacology of manoalide. Inactivation of bee venom phospholipase A2. Glaser KB, et al. **Biochem Pharmacol** 1986 Feb 1;35(3):449–53

The hemolytic activity of citral—II. Glutathione depletion in citral treated erythrocytes. Segal R, et al. **Biochem Pharmacol** 1985 Dec 1;34(23):4117–9

Reversal of multidrug resistance by synthetic isoprenoids in the KB human cancer cell line. Nakagawa M, et al. **Cancer Res** 1986 Sep;46(9):4453–7

Differences in the peritoneal response to pristane in BALB/cAnPt and BALB/cJ mice. Anderson AO, et al. **Curr Top Microbiol Immunol** 1985;122:242–53

Response of the peritoneal mesothelium to the mineral oil, pristane. Leak LV, et al. **Curr Top Microbiol Immunol** 1985; 122:221–33

Diacylglycerols and mezerein activate neutrophils by a phorbol myristate acetate–like mechanism. O'Flaherty JT, et al. **J Cell Physiol** 1985 Nov;125(2):192–9

Inhibition of liver prenyltransferase by citronellyl and geranyl phosphonate and phosphonylphosphate. Popják G, et al. **J Lipid Res** 1985 Sep;26(9):1151–9

1–(8–Methoxy–4,8–dimethylnonyl)–4–(1–methyl–ethyl)= benzene (MV–678): a reversible inducer of rat hepatic microsomal drug metabolism. Clement RP, et al. **J Toxicol Environ Health** 1986;19(1):111–25

Overcoming drug resistance in cancer cells with synthetic isoprenoids. Yamaguchi T, et al. **JNCI** 1986 May; 76(5):947–53

The effect of pristane on ascites tumor formation and monoclonal antibody production. Hoogenraad NJ, et al. **Methods Enzymol** 1986;121:375–81

Acetoxychavicol acetate, an antifungal component of Alpinia galanga. Janssen AM, et al. **Planta Med** 1985 Dec; (6):507–11

An intestinal propulsion promoting substance from Perilla frutescens and its mechanism of action. Koezuka Y, et al. **Planta Med** 1985 Dec;(6):480–2

Stevioside, the sweet glycoside of Stevia rebaudiana, inhibits the action of atractyloside in the isolated perfused rat liver. Ishii EL, et al. **Res Commun Chem Pathol Pharmacol** 1986 Jul;53(1):79–91

[Effects of alpha–terpineol on pulmonary mechanics in guinea pigs] Chen JQ, et al. **Yao Hsueh Hsueh Pao** 1985 Mar; 20(3):161–6 (Eng. Abstr.) **(Chi)**

[The effect of citronellylseneciate on the utilization of feed in sheep] Jalč D, et al. **Vet Med (Praha)** 1986 Mar; 31(3):159–64 (Eng. Abstr.) **(Slo)**

POISONING

Neem leaf poisoning [letter] Tiwary BS. **J Assoc Physicians India** 1985 Dec;33(12):817

THERAPEUTIC USE

No demonstrable effect of sobrerol as an expectorant in patients with stable chronic bronchial diseases. Medici TC, et al. **Bull Eur Physiopathol Respir** 1985 Nov–Dec; 21(6):477–83

Rowachol for gallstone dissolution? **Drug Ther Bull** 1985 Sep 23;23(19):75–6

[Effect of sobrerol (Lysmucol) aerosols on bronchial motility] Zellweger JP. **Schweiz Rundsch Med Prax** 1986 Jun 3; 75(23):710–1 (Eng. Abstr.) **(Fre)**

TOXICITY

Investigation of an animal model of a Reye–like syndrome caused by Margosa oil. Sinniah D, et al. **Pediatr Res** 1985 Dec;19(12):1346–55

Short–term toxicity study in rats dosed with menthone. Madsen C, et al. **Toxicol Lett** 1986 Jul–Aug;32(1–2):147–52

Toxicological Aspects of linalool: a review. Powers KA, et al. **Vet Hum Toxicol** 1985 Dec;27(6):484–6

[Comparative evaluation of the toxicity and hazards of orthomenthane hydrocarbons] Stel'makh VA. **Gig Tr Prof Zabol** 1985 Dec;(12):26–9 (Eng. Abstr.) **(Rus)**

TERPHENYL COMPOUNDS

BLOOD

[PCB, PCQ and PCT in the rice oil which caused "yusho" and in the blood of patients with yusho] Iida T, et al. **Fukuoka Igaku Zasshi** 1985 May;76(5):126–31 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Acetoxy–substituted 1,1,2–triphenylbut–1–enes with antiestrogenic and mammary tumor inhibiting properties. Schneider MR, et al. **J Med Chem** 1985 Dec;28(12):1880–5

TOXICITY

Evaluation of laser dye mutagenicity using the Ames/Salmonella microsome test. Wuebbles BJ, et al. **Environ Mutagen** 1985;7(4):511–22

TERRITORIALITY

Elevated testosterone levels during nonbreeding–season territoriality in a fall–breeding lizard, Sceloporus jarrovi. Moore MC. **J Comp Physiol [A]** 1986 Feb;158(2):159–63

Effect of perinatal antisteroid treatment on territorial marking behavior in the mongolian gerbil. Turner JW Jr, et al. **Neuroendocrinology** 1985 Aug;41(2):107–12

"One's own place": a case study on territorial behaviorHines PS. **Nurs Forum** 1985;22(1):31–3

TERRORISM see **VIOLENCE**

TESCHEN DISEASE see **ENCEPHALOMYELITIS, ENZOOTIC PORCINE**

TEST ANXIETY SCALE see under **PERSONALITY INVENTORY**

TEST–TUBE FERTILIZATION see **FERTILIZATION IN VITRO**

TESTICULAR DISEASES

[Actinomycosis of the testis] Wantulok P. **Rozhl Chir** 1985 Nov;64(11):746–8 (Eng. Abstr.) **(Cze)**

[Function of the testis and risk of its atrophy after inguinal herniorrhaphy] Sozonik VP. **Vrach Delo** 1986 Apr;(4):84–5 **(Rus)**

CHEMICALLY INDUCED

Testicular effects of Di–(2–ethylhexyl) phthalate (DEHP): histochemical and histopathological alterations. Saxena DK, et al. **Ind Health** 1985;23(3):191–8

Testicular toxicity of a novel 1,4–benzodiazepine (SC–32855) in rats and dogs. Chengelis CP, et al. **Res Commun Chem Pathol Pharmacol** 1986 Jan;51(1):23–36

Essential metal contents and metallothionein–like protein in testes of mice after cadmium administration. Maitani T, et al. **Toxicology** 1986 Jul;40(1):1–12

Acute and short–term toxicity studies on p–aminodiphenylamine. Singh RL, et al. **Vet Hum Toxicol** 1986 Jun;28(3):219–23

[Testicular function during prolonged corticotherapy] Kuhn JM, et al. **Presse Med** 1986 Mar 22;15(12):559–62 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Adult onset spinal muscular atrophy with atrophic testes: report of two cases [letter] Richert JR, et al. **J Neurol Neurosurg Psychiatry** 1986 May;49(5):606–8

CONGENITAL

Triorchidism. Case WG, et al. **Eur Urol** 1985;11(6):433–4

DIAGNOSIS

Diffuse testicular disease: sonographic features and significance. Subramanyam BR, et al. **AJR** 1985 Dec; 145(6):1221–4

Testicular schistosomiasis mansoni: a differential diagnostic problem with testicular neoplasias. Bambirra EA, et al.

Am J Trop Med Hyg 1986 Jul;35(4):791–2
Localised intratesticular abscess complicating epididymo-orchitis: the use of scrotal ultrasonography in diagnosis and management. Desai KM, et al. Br Med J [Clin Res] 1986 May 24;292(6532):1361–2
Evaluation of scrotal masses. Babayan RK. Hosp Pract [Off] 1985 Mar 30;20(3A):51–3
Ultrasound diagnosis of a benign calcified testicular mass: report of a case. Lipinski JK, et al. J Can Assoc Radiol 1986 Jun;37(2):112–3
Abdominoscrotal hydrocele. Dandapat MC, et al. J Indian Med Assoc 1985 Jul;83(7):234–5
Sarcoidosis of the testis: a case report. Hackney RL Jr, et al. J Natl Med Assoc 1986 Jan;78(1):63, 65–8
Idiopathic infant pyoceles. Kutin ND, et al. J Pediatr Surg 1986 May;21(5):441–2
Spontaneous intratesticular hemorrhage masquerading as a testis tumor. Evans KJ, et al. J Urol 1985 Dec;134(6):1211
Diagnosis and management of testicular sarcoidosis. Turk CO, et al. J Urol 1986 Feb;135(2):380–1
Uncommon causes of scrotal and inguinal swelling in children: sonographic appearance. Han BK. JCU 1986 Jul–Aug;14(6):421–7
Sperm granuloma. Ramanathan K, et al. JCU 1986 Feb; 14(2):155–6
Varicoceles: combined sonography and thermography in diagnosis and posttherapeutic evaluation. Hamm B, et al. Radiology 1986 Aug;160(2):419–24
[Realtime sonography of intrascrotal space-occupying lesions] Brockmann WP, et al. Digitale Bilddiagn 1986 Jun; 6(2):86–92 (Eng. Abstr.) (Ger)
[Disorders of the form of spermatozoa in semen and cervix mucus as a mirror of testicular diseases] Hofmann N, et al. Gynakologe 1985 Dec;18(4):189–92 (Ger)
[ULtrasonic diagnosis of testicular pathology] Golebiewski J, et al. Pol Przegl Radiol (Warszawa) 1985 Mar–Apr; 49(2):125–32 (Eng. Abstr.) (Pol)
[Torsion of the testicular peduncle] Niedzielski A, et al. Wiad Lek 1986 Apr 15;39(8):561–3 (Pol)

ETIOLOGY

Spermatogenic disturbance induced in mice by combined local injection of monoclonal antibodies to Sertoli cell and to basal lamina of seminiferous tubule. Ichinohasama R, et al. Am J Reprod Immunol Microbiol 1986 Apr; 10(4):158–65
The incidence of Filaria as an aetiological factor for testicular hydrocele. Dandapat MC, et al. Br J Surg 1986 Jan; 73(1):77–8
Gonadal consequences of alcohol abuse: lessons from the liver. Galvaõ-Teles A, et al. Hepatology 1986 Jan–Feb; 6(1):135–40 (132 ref.)
Dose and time relationships in the endocrine response of the irradiated adult rat testis. Delic JI, et al. J Androl 1986 Jan–Feb;7(1):32–41
Murine cytomegalovirus infection of mouse testes. Baskar JF, et al. J Virol 1986 Mar;57(3):1149–54
Testicular microlithiasis occurring in postorchiopexy testis. Mullins TL, et al. Urology 1986 Feb;27(2):144–6
[Detachment of the testis in Fournier's disease] Ibadov IIu. Urol Nefrol (Mosk) 1986 Jan–Feb;(1):64–5 (Rus)

IMMUNOLOGY

Differential susceptibility to experimental autoimmune orchitis in BALB/c substrains. Teuscher C, et al. Curr Top Microbiol Immunol 1985;122:181–8

PATHOLOGY

Objective evaluation of fibrosis in human testicular biopsies by analysis based on optical diffractometry. Guerin JF, et al. Acta Anat (Basel) 1986;125(2):88–92
Epidermoid cysts of the testicle. Buckspan MB, et al. J Urol 1985 Nov;134(5):960–1
Testicular sarcoidosis: case report and review of the literature. Haas GP, et al. J Urol 1986 Jun;135(6):1254–6
Epidermoid cyst of the testis. Report of 6 cases. Lobel B. Prog Clin Biol Res 1985;203:663–5
Efferent ductule cyst of tunica albuginea. Bryant J. Urology 1986 Feb;27(2):172–3
[Testicular malacoplakia] Martín Benito JL, et al. Arch Esp Urol 1985 Sep–Oct;38(5):503–6 (Eng. Abstr.) (Spa)

PREVENTION & CONTROL

Preperitoneal synthetic mesh placement for recurrent hernias of the groin. Rosenthal D, et al. Surg Gynecol Obstet 1986 Sep;163(3):285–6

SURGERY

Epidermoid cyst of the testis: a critical analysis. Malek RS, et al. Br J Urol 1986 Feb;58(1):55–9
Epidermoid cysts of the testis: role of conservative surgery. Berger Y, et al. J Urol 1985 Nov;134(5):962–3
Conservative management of epidermoid cyst of testis. Badalament RA, et al. Urology 1986 Jul;28(1):28–30

THERAPY

Sclerotherapy for hydroceles and epididymal cysts with ethanolamine oleate. Hellström P, et al. Ann Chir Gynaecol 1986;75(1):51–4
[Treatment of testicular hydroceles with puncture and injection of fibrin glue (Tissecl)] Thorup J, et al. Ugeskr Laeger 1986 Jul 7;148(28):1759–60 (Eng. Abstr.) (Dan)
[Preventive andrology] Jecht E. Fortschr Med 1985 Aug 15; 103(30):747–9 (Eng. Abstr.) (Ger)

VETERINARY

Tolerance and effect of chronic dietary cobalt on sheep. Corrier DE, et al. Vet Hum Toxicol 1986 Jun;28(3):216–9

TESTICULAR FEMINIZATION

[Complete testicular feminization syndrome. Description of a case] Naselli A, et al. Minerva Pediatr 1986 Jun 30; 38(11–12):489–91 (Eng. Abstr.) (Ita)

DIAGNOSIS

Clinical application of dihydrotestosterone (DHT) binding assay of cultured skin fibroblasts for the prospective differential diagnosis of testicular feminization syndrome (TFS). Wakimoto H, et al. Asia Oceania J Obstet Gynaecol 1985 Sep;11(3):411–9
Sonographic evaluation of the testicular feminization syndrome. Schwimer SR, et al. J Ultrasound Med 1985 Sep;4(9):503–4
[Testicular feminization. Cases of the Iaşi Endocrinology Clinic] Tiron V, et al. Rev Med Chir Soc Med Nat Iasi 1985 Jan–Mar;89(1):89–92 (Eng. Abstr.) (Rum)

FAMILIAL & GENETIC

Management of phenotypic female patients with an XY karyotype. Portuondo JA, et al. J Reprod Med 1986 Jul; 31(7):611–5

HISTORY

Queen Elizabeth I: a case of testicular feminization? Bakan R. Med Hypotheses 1985 Jul;17(3):277–84

IMMUNOLOGY

[Theoretical and clinical significance of hormone receptors] Leövey A, et al. Orv Hetil 1985 Dec 8;126(49):3007–10 (Eng. Abstr.) (Hun)

METABOLISM

Autoradiographic binding studies with [3H]oestradiol and [3H]dihydrotestosterone in the autonomic genital ganglion (plexus of Frankenhäuser) of the mouse. Schleicher G, et al. Acta Endocrinol (Copenh) 1985 Dec;110(4):572–6

PATHOLOGY

Incomplete androgen insensitivity: asymmetry in morphology and steroid profile and metabolism of the gonads. An analysis of a case. Fredricsson B, et al. Acta Endocrinol (Copenh) 1985 Dec;110(4):564–71
Autoradiographic studies with 3H dihydrotestosterone in the brain of sex reversed mice, heterozygous for androgen insensitive testicular feminization (Tfm). A comparison with normal female mice and sex reversed male mice. Schleicher G, et al. Histochemistry 1986;84(1):23–9
Testicular feminization: a model for testicular descent in mice and men. Hutson JM. J Pediatr Surg 1986 Mar;21(3):195–8
[Light and electron microscopic study on testicular feminization] Wen C. Chung Hua I Hsueh Tsa Chih 1985 Jul;65(7):429–31 (Chi)

PHYSIOPATHOLOGY

Pubertal growth in patients with androgen insensitivity: indirect evidence for the importance of estrogens in pubertal growth of girls. Zachmann M, et al. J Pediatr 1986 May;108(5 Pt 1):694–7

TESTICULAR HORMONES

ANALYSIS

Detection of Müllerian inhibiting substance in biological samples by a solid phase sandwich radioimmunoassay. Necklaws EC, et al. Endocrinology 1986 Feb;118(2):791–6
Biochemical analysis of bovine testicular anti-Müllerian hormone. Picard JY, et al. FEBS Lett 1986 Jan 20; 195(1–2):73–6

BIOSYNTHESIS

Initiation of production of anti-müllerian hormone by the fetal gonad. Josso N, et al. Arch Anat Microsc Morphol Exp 1985;74(1):96–100

GENETICS

Isolation of the bovine and human genes for Müllerian inhibiting substance and expression of the human gene in animal cells. Cate RL, et al. Cell 1986 Jun 6;45(5):685–98
Cloning and expression of cDNA for anti-müllerian hormone. Picard JY, et al. Proc Natl Acad Sci USA 1986 Aug;83(15):5464–8

METABOLISM

Sertoli cell production of müllerian inhibiting substance in vitro. LaQuaglia M, et al. J Urol 1986 Jul;136(1 Pt 2):219–24
Secretion of anti-Müllerian hormone by immature bovine Sertoli cells in primary culture, studied by a competition-type radioimmunoassay: lack of modulation by either FSH or testosterone. Vigier B, et al. Mol Cell Endocrinol 1985 Dec;43(2–3):141–50

PHYSIOLOGY

Abstracts. Satellite symposium, XV Acta Endocrinologica Congress: Novel aspects in the hormonal regulation of testicular function. Helsinki, August 5–9, 1985. Acta Endocrinol [Suppl] (Copenh) 1985;270:205–20
Mullerian inhibiting substance: a fetal hormone with surgical implications. Hutson JM, et al. Aust NZ J Surg 1985 Dec; 55(6):599–605 (48 ref.)
Persistence of müllerian ducts in male rabbits passively immunized against bovine anti-müllerian hormone during fetal life. Tran D, et al. Dev Biol 1986 Jul;116(1):160–7
The hormonal control of testicular descent. Hutson JM, et al. Endocr Rev 1986 Aug;7(3):270–83 (167 ref.)
Physiological role of putative testicular gonadotrophin releasing hormone (GnRH). Clayton RN, et al. Mod Biol 1986;63(5–6):201–9
Identification of a non-mitogenic paracrine factor involved in mesenchymal-epithelial cell interactions between testicular peritubular cells and Sertoli cells. Skinner MK, et al. Mol Cell Endocrinol 1986 Jan;44(1):85–97

THERAPEUTIC USE

Mullerian inhibiting substance reduction of colony growth of human gynecologic cancers in a stem cell assay. Fuller AF Jr, et al. Gynecol Oncol 1985 Oct;22(2):135–48

TESTICULAR INTERSTITIAL CELLS see **LEYDIG CELLS**

TESTICULAR NEOPLASMS

Ten years of experience with semen cryopreservation by cancer patients: follow-up and clinical considerations. Rhodes EA, et al. Fertil Steril 1985 Oct;44(4):512–6
Metastatic carcinoma of oral soft tissue. Zohar Y, et al. Head Neck Surg 1985 Jul–Aug;7(6):484–6
Diagnostic accuracy of lymphangiography in the demonstration of histologically verified retroperitoneal lymph node metastases of testicular tumours. Hegedüs M, et al. Int Urol Nephrol 1985;17(3):245–54
Intracardiac metastases from malignant teratoma of the testis. Pillai R, et al. J Thorac Cardiovasc Surg 1986 Jul; 92(1):118–20
Sequential bilateral germ cell tumors of the testis [letter] Wogalter H. NY State J Med 1986 Apr;86(4):207
Testicular cancer. Proceedings of the First International Symposium on Testicular Tumors. Paris, France, October 8–10, 1984. Prog Clin Biol Res 1985;203:1–751
Retroperitoneal germinoma [letter] Glenn JP. Urology 1986 Sep;28(3):259
Clinical evolution of cystic teratoma during treatment with combination chemotherapy. Taylor HG, et al. Urology 1986 Sep;28(3):218–20
[Primary testicular tumors in children. Apropos of 23 cases] Dodat H, et al. Chir Pediatr 1986;27(1):1–13 (65 ref.) (Eng. Abstr.) (Fre)
[Non-seminomatous germinal tumors of the ovary and testis in children] Baranzelli-Leghie MC, et al. Rev Fr Gynecol Obstet 1985 Dec;80(12):885–9 (Eng. Abstr.) (Fre)
[A case of liver metastasis from a testicular tumor indicated by unreasonable CT findings—correlation of CT and autopsied specimen] Okazaki A, et al. Gan No Rinsho 1985 Dec;31(15):1933–9 (Eng. Abstr.) (Jpn)
[The effectiveness of chemotherapy and craniotomy for brain metastasis of non-seminomatous testicular tumor] Yamamoto N, et al. Hinyokika Kiyo 1985 Aug; 31(8):1489–99 (Eng. Abstr.) (Jpn)
[Methods of increasing the operability of retroperitoneal metastases of testicular tumors] Matveev BP, et al. Urol Nefrol (Mosk) 1985 Sep–Oct;(5):45–7 (Eng. Abstr.) (Rus)

ANALYSIS

Protein composition of cyst fluids from mature teratoma in patients with nonseminomatous germ cell tumors of the testis. Ockhuizen T, et al. Cancer 1985 Nov 1;56(9):2264–8
Testosterone in infant testis yolk sac tumor composed of a mixture of germ cell and sex cord/stromal elements: a new concept. Teshima S, et al. Jpn J Cancer Res 1986 May; 77(5):428–31
Immunohistochemistry of germ cell tumors of the testis. Study of beta HCG and AFP. Caillaud JM, et al. Prog Clin Biol Res 1985;203:139–40
Tumor markers in testicular cancer—an update. Javadpour N. Prog Clin Biol Res 1985;203:141–54
Comparison of endogenous lectins in human embryonic carcinoma and yolk sac carcinoma. Gabius HJ, et al. Tumour Biol 1986;6(5):471–82

BLOOD

Pregnancy-associated plasma protein-A concentrations in men with testicular and prostatic tumors. Bischof P, et al. **Arch Androl** 1986;16(2):155-60

Leydig cell tumor with gynecomastia: further studies--the recovery after unilateral orchidectomy. Bercovici JP, et al. **J Clin Endocrinol Metab** 1985 Nov;61(5):957-62

Hormonal profile of Leydig cell tumors with gynecomastia. Bercovici JP, et al. **Prog Clin Biol Res** 1985;203:503-6

The predictive value of pre-orchidectomy serum tumor markers in non seminomatous germ cell tumors of the testis (N.S.G.C.T.T.). Boccon-Gibod L, et al. **Prog Clin Biol Res** 1985;203:93-5

Tumour markers in testicular tumours. Chisholm GD. **Prog Clin Biol Res** 1985;203:81-91

Spermatic blood beta HCG levels in testicular tumors and in varicocele. Fiet J, et al. **Prog Clin Biol Res** 1985; 203:117-20

Pre-, per- and post-chemotherapy tumour markers in very advanced testicular cancer. Fossa SD, et al. **Prog Clin Biol Res** 1985;203:121

beta-HCG producing seminoma. Fossa SD, et al. **Prog Clin Biol Res** 1985;203:105-6

Human chorionic gonadotropin-positive seminoma: is this a special type of seminoma with a poor prognosis? Scheiber K, et al. **Prog Clin Biol Res** 1985;203:97-104

Interest of the dosage of the H.C.G. in the spermatical blood at the moment of the castration for a testicular tumor (about 28 cases 1978-1984). Timbal Y, et al. **Prog Clin Biol Res** 1985;203:123-5

[Assay of chorionic gonadotrophin, follicle-stimulating hormone and alpha-fetoprotein in the efferent blood in germinal tumors of the testis] Henry R, et al. **Presse Med** 1986 Jun 28;15(26):1223-6 (Eng. Abstr.) (Fre)

[Enzyme immunologic detection of pregnancy-specific beta 1-glycoprotein (SP1) with antibody chimeras] Schmechta H, et al. **Z Med Lab Diagn** 1986;27(2):81-5 (Eng. Abstr.) (Ger)

[Leydig cell testicular tumor (letter)] Ebri Torné B, et al. **Rev Clin Esp** 1986 Mar;178(5):246-7 (Spa)

BLOOD SUPPLY

Autonomy extends to the arterial supply of rapidly growing tumors. Studies on the feeder vessel to carcinoma in rat testis. Paskins-Hurlburt AJ, et al. **Invest Radiol** 1986 Jun; 21(6):455-8

CHEMICALLY INDUCED

Transplacental induction of gonadal tumors in rats by a nitrosamine. Pour PM. **Cancer Res** 1986 Aug;46(8):4135-8

Androgen and germ cell testicular cancers [letter] Vogelzang NJ, et al. **JAMA** 1986 Feb 21;255(7):906

[The chorionic gonadotropin hormone: possible cause of seminoma?] Danielli L, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(2):185-6 (Eng. Abstr.) (Fre)

CLASSIFICATION

Differential diagnosis and therapy of rare testicular tumors. Friedrichs R, et al. **Eur Urol** 1986;12(4):217-23 (109 ref.)

Clinical classification of testicular tumors. Schröder FH. **Prog Clin Biol Res** 1985;203:227-35

COMPLICATIONS

Paratesticular liposarcoma: coexistence with urinary bladder cancer. Kuhara H, et al. **Acta Pathol Jpn** 1986 Jul; 36(7):1083-8

Isosexual precocious pseudopuberty secondary to a testosterone-secreting Leydig cell testicular tumour: true isosexual development early after surgery. Criscuolo T, et al. **Andrologia** 1986 Mar-Apr;18(2):175-83

Sarcoid reaction of hilar and paratracheal lymph nodes in patients treated for testicular cancer. Fossa SD, et al. **Cancer** 1985 Nov 1;56(9):2212-6

Testicular tumors with Peutz-Jeghers syndrome. Wilson DM, et al. **Cancer** 1986 Jun 1;57(11):2238-40

Malignant priapism. Witters S, et al. **Eur Urol** 1985; 11(6):431-2

More on germ cell tumors [letter] Kurtz RC. **Gastrointest Endosc** 1985 Dec;31(6):404

Cavernous haemangioma of testis with acute testicular infarction--a case report. Gharpure KJ, et al. **Indian J Cancer** 1985 Mar;22(1):73-5

Down's syndrome associated with seminoma. Sasagawa I, et al. **Urol Int** 1986;41(3):238-40

More about association of seminoma and sarcoidosis [letter] Allison RE, et al. **Urology** 1986 Jan;27(1):86-7

Testicular tumor in patient with persistent müllerian duct syndrome. Snow BW, et al. **Urology** 1985 Nov;26(5):495-7

[Preoperative detection of a tumor of an abdominally retained testis] Margaritov A. **Khirurgiia (Sofiia)** 1985;38(6):97-100 (Bul)

[Torsion of an abdominal testis with differentiated teratoma] Esterl D, et al. **Zentralbl Chir** 1985;110(16):1015-8 (Ger)

[Persistent Müllerian duct syndrome with seminoma: report of a case] Morikawa M, et al. **Hinyokika Kiyo** 1985 Oct; 31(10):1819-29 (Eng. Abstr.) (Jpn)

[Leydig cell tumor as a finding in the infertile male] Burgos FJ, et al. **Actas Urol Esp** 1986 Jul-Aug;10(4):267-70 (Eng. Abstr.) (Spa)

[Testicular infarction in puberty secondary to intratesticular hemangioma] Suárez-Ruiz JJ, et al. **Bol Med Hosp Infant Mex** 1985 Dec;42(12):771-4 (Eng. Abstr.) (Spa)

CONGENITAL

Morphologic analysis of spontaneous teratocarcinogenesis in developing testes of strain 129/Sv-ter mice. Rivers EN, et al. **Am J Pathol** 1986 Aug;124(2):263-80

Congenital testicular juvenile granulosa cell tumor in a neonate with X/XY mosaicism. Raju U, et al. **Am J Surg Pathol** 1986 Aug;10(8):577-83

DIAGNOSIS

Isolated tuberculous epididymitis. A case report. Calabró A, et al. **Acta Urol Belg** 1986;54(1):109-13

Cost of diagnosis vs. hospitalization [letter] Koehler PR. **AJR** 1985 Nov;145(5):1100

Incidental detection of impalpable testicular neoplasm by sonography. Stoll S, et al. **AJR** 1986 Feb;146(2):349-50

Diffuse testicular disease: sonographic features and significance. Subramanyam BR, et al. **AJR** 1985 Dec; 145(6):1221-4

Malignant lymphoma of the testis. Doll DC, et al. **Am J Med** 1986 Sep;81(3):515-24 (87 ref.)

Inguinal lymphadenopathy as presenting feature in two cases of testicular tumour. Alcock CJ, et al. **Br J Radiol** 1985 Feb;58(686):181-2

Tumour markers in germ cell tumours [letter] Metcalfe S, et al. **Br Med J [Clin Res]** 1986 May 10;292(6530):1275

Was the vasectomy necessary after all? Nicholas L. **Br Med J [Clin Res]** 1986 Mar 1;292(6520):604-5

Public awareness of testicular cancer and the value of self examination. Thornhill JA, et al. **Br Med J [Clin Res]** 1986 Aug 23;293(6545):480-1

Preliminary observations on the application of carcino-placental alkaline phosphatase to the investigation of patients with seminoma of the testes. Pledger DR, et al. **Clin Biochem** 1985 Aug;18(4):213-6

Diagnostic and therapeutic problems of acute scrotum. Horňák M, et al. **Czech Med** 1986;9(1):29-33

Simultaneous bilateral germ cell tumors of the testicles. Case reports and review of the literature. Dieckmann KP, et al. **Eur Urol** 1985;11(6):425-8

Ultrasonic evaluation of scrotal swellings. Misaki T, et al. **Hinyokika Kiyo** 1985 Jul;31(7):1151-8

Evaluation of scrotal masses. Babayan RK. **Hosp Pract [Off]** 1985 Mar 30;20(3A):51-3

Cancer of the testis: a new paradigm. Einhorn LH. **Hosp Pract [Off]** 1986 Apr 15;21(4):165-72, 175-8 (6 ref.)

Testicular self-examination. Ramsey FB. **Indiana Med** 1986 Jan;79(1):36-7

Equal time for men. Teaching testicular self-examination [editorial] Goldenring JM. **J Adolesc Health Care** 1986 Jul; 7(4):273-4

Testicular cancer in a 13-year-old adolescent. Sladkin KR. **J Adolesc Health Care** 1986 Jul;7(4):268-71

Three strategies for encouraging testicular self-examination among college-aged males. Marty PJ, et al. **J Am Coll Health** 1986 Jun;34(6):253-8

Testicular self-examination: validation of a training strategy for early cancer detection. Friman PC, et al. **J Appl Behav Anal** 1986 Spring;19(1):87-92

Bilateral sequential seminomas of the testis. Choudhary A, et al. **J Indian Med Assoc** 1985 Jun;83(6):214-5

Testicular neoplasm diagnosed by ultrasound. Senay BA, et al. **J Surg Oncol** 1986 Jun;32(2):110-2

Sonography of an intratesticular lipoma. Hertzberg BS, et al. **J Ultrasound Med** 1985 Nov;4(11):619-21

Evaluation of extratesticular findings in scrotal neoplasms. Worthy L, et al. **J Ultrasound Med** 1986 May;5(5):261-3

Spontaneous intratesticular hemorrhage masquerading as a testis tumor. Evans KJ, et al. **J Urol** 1985 Dec;134(6):1211

Misconceptions and source of errors in interpretation of cellular and serum markers in testicular cancer. Javadpour N. **J Urol** 1986 Apr;135(4):879

Simultaneous bilateral testicular tumors, one side clinically occult: detection by ultrasonography. Sanchez S, et al. **J Urol** 1986 Mar;135(3):591-2

High resolution sonography in diagnosing testicular neoplasms: clinical significance of false positive scans. Tackett RE, et al. **J Urol** 1986 Mar;135(3):494-6

Ultrasound demonstration of a benign mesothelioma of tunica vaginalis testis. Aquino NM, et al. **JCU** 1986 May; 14(4):310-1

Contralateral seminoma in a patient with prior cryptorchidism: sonographic evaluation. Gadwood KA. **JCU** 1985 Nov-Dec;13(9):683-5

Self-examination [letter] **Pediatrics** 1986 Mar;77(3):435-7

Ultrasound diagnosis of testicular tumors. Arvis G, et al. **Prog Clin Biol Res** 1985;203:237-42

A multivariate analysis of prognostic factors in advanced stage of non seminomatous germ cell tumors of the testis (NSGCTT). Droz JP, et al. **Prog Clin Biol Res** 1985; 203:269-70

Clinical features of testicular tumours. Haertig A, et al. **Prog Clin Biol Res** 1985;203:221-5

Diagnostic value of markers AFP, HCG and LDH in advanced germ cell tumors before and after cytostasis resp. Jaeger N, et al. **Prog Clin Biol Res** 1985;203:107-16

Prognostic factors in nonseminomatous testicular cancer. Javadpour N. **Prog Clin Biol Res** 1985;203:271-86

Nuclear magnetic resonance in the evaluation of retroperitoneal lymph node metastases from testicular cancer. Parienty RA. **Prog Clin Biol Res** 1985;203:259-60

The value of ultrasonography in the investigation of testicular tumours. Pascal-Suisse P, et al. **Prog Clin Biol Res** 1985; 203:213-4

Leydig cell tumours in adults. A report of 13 cases. Steg A, et al. **Prog Clin Biol Res** 1985;203:643-55

Radioimmunodetection of primary and secondary germ cell tumors. Van Cangh PJ, et al. **Prog Clin Biol Res** 1985; 203:127-38

Testicular neoplasms: 29 tumors studied by high-resolution US. Grantham JG, et al. **Radiology** 1985 Dec;157(3):775-80

The ultrasound diagnosis of testicular leukemia. Lupetin AR, et al. **Ultrasound Med Biol** 1983;Suppl 2:423-6

Antibodies to cytokeratin and vimentin in testicular tumour diagnosis. Ramaekers F, et al. **Virchows Arch [A]** 1985; 408(2-3):127-42

[Gynecomastia as the initial symptom in testicular cancer] Trolle GB. **Ugeskr Laeger** 1986 May 19;148(21):1279-81 (Eng. Abstr.) (Dan)

[Rare testicular tumors. Apropos of 15 cases] Bitker MO, et al. **Ann Urol (Paris)** 1986;20(4):238-43 (Eng. Abstr.) (Fre)

[Association of a rare form of testicular ectopia, a persistent Müllerian duct syndrome and a supernumerary ectopic epididymis] Giannopoulos A, et al. **Ann Urol (Paris)** 1986; 20(4):267-70 (Eng. Abstr.) (Fre)

[Pseudotumoral and subacute pathology of the epididymis. Contribution of ultrasonics] Brauner M, et al. **J Radiol** 1985 Nov;66(11):721-4 (Eng. Abstr.) (Fre)

[Leydig cell tumor. Diagnostic value of testicular echography (letter)] Archambeaud-Mouveroux F, et al. **Presse Med** 1985 Sep 14;14(30):1613 (Fre)

[Malignant lymphoma of the testis] Ganem G, et al. **Presse Med** 1985 Oct 5;14(33):1739-42 (Eng. Abstr.) (Fre)

[Etiological diagnosis of gynecomastia. Value of testicular ultrasonography (letter)] Garcin JM, et al. **Presse Med** 1986 Jun 28;15(26):1241 (Fre)

[Endodermal sinus tumor. Clinical picture and pathology of gonadal yolk sac tumors] Alles JU, et al. **Pathologe** 1986 Jul;7(4):225-31 (Ger)

[Chorionic epithelioma of the testis in the ultrasonic image] Wagner W, et al. **Ultraschall Med** 1986 Feb;7(1):48-9 (Eng. Abstr.) (Ger)

[Diagnostic parameters and their value in testicular tumors] Bürgler W, et al. **Urologe [A]** 1986 May;25(3):157-9 (Eng. Abstr.) (Ger)

[Germinative testicular tumors. On the current status of diagnosis, therapy and prognosis] Heising J, et al. **Z Hautkr** 1986 Mar 15;61(6):344-65 (Eng. Abstr.) (Ger)

[Tumor markers in testicular tumors] Jibiki K, et al. **Gan No Rinsho** 1985 Oct;31(13):1709-16 (Eng. Abstr.) (Jpn)

[Genital tumors in children] Curteanu G, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1986 Jan-Mar; 35(1):65-71 (Eng. Abstr.) (Rum)

[The importance of determining human chorionic gonadotropin and alpha fetoproteins in the diagnosis of testicular tumor recurrence] Kaulitz J, et al. **Bratisl Lek Listy** 1985 Oct;84(4):430-5 (Eng. Abstr.) (Slo)

[Leydig cell tumors. Report of 2 cases] Martínez Torres JL, et al. **Arch Esp Urol** 1985 Sep-Oct;38(5):468-72 (Eng. Abstr.) (Spa)

[Human B-HCG and AFP as biological markers in germinal testicular tumors] Huertas Mora RA, et al. **Rev Esp Oncol** 1984;31(2):321-30 (Eng. Abstr.) (Spa)

DRUG THERAPY

Pulmonary changes at computed tomography in patients with testicular carcinoma treated with cis-platinum, vinblastine and bleomycin. Lien HH, et al. **Acta Radiol [Diagn] (Stockh)** 1985 Sep-Oct;26(5):507-10

Residual masses after successful chemotherapy for testicular carcinoma. Glowalla M. **AJR** 1986 Jun;146(6):1184-6

Effect of treatment on fertility and sexual function in males with metastatic nonseminomatous germ cell tumors of testis. Brenner J, et al. **Am J Clin Oncol** 1985 Apr; 8(2):178-82

Cyclic chemotherapy with cyclophosphamide, doxorubicin, and cisplatin plus vinblastine and bleomycin in advanced germinal tumors. Results with 100 patients. Logothetis CJ, et al. **Am J Med** 1986 Aug;81(2):219-28

Acute vascular ischemic events after cisplatin-based combination chemotherapy for germ-cell tumors of the testis. Doll DC, et al. **Ann Intern Med** 1986 Jul;105(1):48-51

EORTC Genito-Urinary Group studies in advanced testicular cancer--past and future. Kaye SB, et al. **Aust NZ J Surg** 1985 Jun;55(3):239-41

Effects of magnesium supplementation in testicular cancer patients receiving cis-platin: a randomised trial. Willox JC, et al. **Br J Cancer** 1986 Jul;54(1):19-23

Current optimum management of anaplastic germ cell tumours of the testis and other sites. Newlands ES, et al. **Br J Urol** 1986 Jun;58(3):307-14

Clinical stage II non-seminomatous germ cell testicular tumours. Results of management by primary chemotherapy. Peckham MJ, et al. **Br J Urol** 1985 Dec;57(6):763-8

Cisplatin combination chemotherapy for advanced germ-cell testicular tumours. Taylor RE, et al. **Br J Urol** 1985 Oct; 57(5):567–73

Treatment of retroperitoneal residual tumor after PVB chemotherapy of nonseminomatous testicular tumors. Gelderman WA, et al. **Cancer** 1986 Oct 1;58(7):1418–21

Histology and DNA contents of a secondary malignancy arising in a mature residual lesion six years after chemotherapy for a disseminated nonseminomatous testicular tumor. Molenaar WM, et al. **Cancer** 1986 Jul 15; 58(2):264–8

Curative, platinum-based cytoxic drug therapy in a renal transplant recipient with metastatic testicular cancer. Osiason AW, et al. **Cancer** 1986 Aug 15;58(4):850–1

Successful treatment of good-risk disseminated testicular cancer with cisplatin, bleomycin, and reduced-dose vinblastine. Pizzocardo G, et al. **Cancer** 1986 Jun 1; 57(11):2114–8

Cisplatin, etoposide, bleomycin first-line therapy and early resection of residual tumor in far-advanced germinal testis cancer. Pizzocaro G, et al. **Cancer** 1985 Nov 15; 56(10):2411–5

Cisplatin and etoposide salvage therapy and resection of the residual tumor in pretreated germ cell testicular cancer. Pizzocaro G, et al. **Cancer** 1985 Nov 15;56(10):2399–403

Sequential excision of residual thoracic and retroperitoneal masses after chemotherapy for stage III germ cell tumors. Tiffany P, et al. **Cancer** 1986 Mar 1;57(5):978–83

Acute nonlymphocytic leukemia 5 years after treatment with cisplatin, vinblastine, and bleomycin for disseminated testicular cancer. van Imhoff GW, et al. **Cancer** 1986 Mar 1;57(5):984–7

Hypomagnesemia, renal dysfunction, and Raynaud's phenomenon in patients treated with cisplatin, vinblastine, and bleomycin. Vogelzang NJ, et al. **Cancer** 1985 Dec 15; 56(12):2765–70

Hemorrhagic cystitis after i.v. bleomycin, vinblastine, cisplatin, and etoposide for testicular cancer. Cantwell BM, et al. **Cancer Treat Rep** 1986 Apr;70(4):548–9

Lhermitte's sign as a complication of cisplatin-containing chemotherapy for testicular cancer. Eeles R, et al. **Cancer Treat Rep** 1986 Jul;70(7):905–7

Phase II trial of mitoxantrone in refractory germ cell tumors: a trial of the Southeastern Cancer Study Group. Williams SD, et al. **Cancer Treat Rep** 1985 Dec;69(12):1455–6

cis-Diammine-1, 1-cyclobutane dicarboxylate platinum II (carboplatin) in the treatment of testicular germ-cell tumours: a preliminary report. Peckham MJ, et al. **Cancer Treat Rev** 1985 Sep;12 Suppl A:101–10

The influence of verapamil on renal function in patients treated with cisplatin. Offerman JJ, et al. **Clin Nephrol** 1985 Nov;24(5):249–55

Testicular dysfunctions in patients after cytostatic treatment of non-seminomatous testis tumours. Ondruš D, et al. **Czech Med** 1986;9(1):34–7

Chemotherapy with adriamycin and vincristine alternated with cyclophosphamide and actinomycin D in testicular germ cell tumors refractory to cisplatin, vinblastine and bleomycin. Crispino S, et al. **Eur J Cancer Clin Oncol** 1986 Mar;22(3):251–6

High-dose cisplatin and VP-16 with bleomycin, in the management of advanced metastatic germ cell tumors. Daugaard G, et al. **Eur J Cancer Clin Oncol** 1986 Apr; 22(4):477–85

Chronic gonadal toxicity in patients with testicular cancer after chemotherapy. Kreuser ED, et al. **Eur J Cancer Clin Oncol** 1986 Mar;22(3):289–94

Length of follow-up in teratomas—results of a modification of Einhorn's regime in testicular teratomas. Wilkins M, et al. **Eur J Surg Oncol** 1986 Jun;12(2):153–7

The role of delay in stage-III testicular tumors. Akdas A, et al. **Eur Urol** 1986;12(3):151–3

The role of delay in stage III testicular tumours. Akdaş A, et al. **Int Urol Nephrol** 1986;18(2):181–4

Quantitation of cis-diamminedichloroplatinum II (cisplatin)-DNA-intrastrand adducts in testicular and ovarian cancer patients receiving cisplatin chemotherapy. Reed E, et al. **J Clin Invest** 1986 Feb;77(2):545–50

Prognostic factors for favorable outcome in disseminated germ cell tumors. Birch R, et al. **J Clin Oncol** 1986 Mar; 4(3):400–7

Chemotherapy in seminoma: when is it appropriate initial treatment? [editorial] Daniels JR. **J Clin Oncol** 1985 Oct; 3(10):1294–5

Reversible increase in serum alpha-fetoprotein content associated with hepatic dysfunction during chemotherapy for seminoma. Grem JL, et al. **J Clin Oncol** 1986 Jan; 4(1):41–5

VP-16 plus ifosfamide plus cisplatin as salvage therapy in refractory germ cell cancer. Loehrer PJ Sr, et al. **J Clin Oncol** 1986 Apr;4(4):528–36

High complete response rate in children with advanced germ cell tumors using cisplatin-containing combination chemotherapy. Pinkerton CR, et al. **J Clin Oncol** 1986 Feb; 4(2):194–9

High-dose versus low-dose vinblastine in cisplatin-vinblastine-bleomycin combination chemotherapy of non-seminomatous testicular cancer: a randomized study of the EORTC Genitourinary Tract Cancer Cooperative Group. Stoter G, et al. **J Clin Oncol** 1986 Aug;4(8):1199–206

Ifosfamide in refractory male germ cell tumors. Wheeler BM, et al. **J Clin Oncol** 1986 Jan;4(1):28–34

Primary chemotherapy followed by a selective retroperitoneal lymphadenectomy in the management of clinical stage II testicular carcinoma: a preliminary report. Logothetis CJ, et al. **J Urol** 1985 Dec;134(6):1127–30

Crossover comparison of the antiemetic efficacy of nabilone and alizapride in patients with nonseminomatous testicular cancer receiving cisplatin therapy. Niederle N, et al. **Klin Wochenschr** 1986 Apr 15;64(8):362–5

Children fathered by men treated for testicular cancer. Senturia YD, et al. **Lancet** 1985 Oct 5;2(8458):766–9

Chemotherapy of disseminated testicular cancer. Einhorn LH. **Nippon Gan Chiryo Gakkai Shi** 1985 Apr 20; 20(3):625–9

131I-Orthoiodohippurate clearance in the detection of cisplatin nephrotoxicity. Hengst W, et al. **Nuklearmedizin** 1985 Jun;24(3):104–6

Current randomized trials on adjuvant chemotherapy in stages II A and II B. Boedefeld EA. **Prog Clin Biol Res** 1985;203:335–7

A phase I-II trial of intensive chemotherapy (CT) with autologous bone-marrow transplantation (ABMT) in metastatic malignant germ cell tumors of the testis (NSGCTT). Droz JP, et al. **Prog Clin Biol Res** 1985; 203:449–50

Chemotherapy of advanced testicular cancer. Einhorn LH. **Prog Clin Biol Res** 1985;203:411–35

Bleomycin in germ cell testicular tumors (GCTT). Germa Lluch JR. **Prog Clin Biol Res** 1985;203:381–9

Our experience in regard to the relationship between the size of retroperitoneal lymph node metastases and the effect of chemotherapy in non seminomatous germ cell tumors. Guazzieri S, et al. **Prog Clin Biol Res** 1985;203:457–62

Experience with PVB in non seminomatous germ-cell cancer of the testis. Jacquillat C, et al. **Prog Clin Biol Res** 1985; 203:451–6

Effects of vincristine versus vinblastine on clonogenic growth of human testicular tumor cells in soft agar. Karr JP, et al. **Prog Clin Biol Res** 1985;203:401–10

VP-16-213 (etoposide) in the management of germinal testis tumors. Pizzocaro G. **Prog Clin Biol Res** 1985;203:391–400

Selected use of aggressive adjuvant chemotherapy in resected stage II nonseminomatous germ cell tumors of the testis. Pizzocaro G. **Prog Clin Biol Res** 1985;203:585–90

The chemotherapy of disseminated testicular non-seminomatous germ cell tumors and the clinical research of the EORTC Genitourinary Group. Stoter G. **Prog Clin Biol Res** 1985;203:437–47

[Adjuvant chemotherapy in patients radically operated on for carcinoma of the ovaries, testis, stomach, large intestine and rectum] Marinov L, et al. **Khirurgiia (Sofiia)** 1986; 39(2):27–32 (Eng. Abstr.) **(Bul)**

[Advanced non-seminoma germinal tumors of the testicle. Therapeutic strategy and method of action of chemotherapy] Bassoulet J, et al. **Ann Urol (Paris)** 1986; 20(1):35–42 (Eng. Abstr.) **(Fre)**

[Anticancer therapy of the genito-urinary tract and infection] Kumazawa J, et al. **Gan No Rinsho** 1985 Jul;31(9 Suppl):1218–22 (Eng. Abstr.) **(Jpn)**

[Complete remission obtained in advanced testicular cancer treated by etoposide (NK-171)] Babaya K, et al. **Gan To Kagaku Ryoho** 1986 Mar;13(3 Pt 1):604–7 (Eng. Abstr.) **(Jpn)**

[Case report of choriocarcinoma of testicular origin indicating marked efficacy of a combination chemotherapy of methotrexate, vincristine, actinomycin D, cyclophosphamide, adriamycin and melphalan] Hayashi M, et al. **Gan To Kagaku Ryoho** 1986 Mar;13(3 Pt 1):608–11 (Eng. Abstr.) **(Jpn)**

[Successful chemotherapy in undescended testicular and extragonadal germ cell tumors: report of 2 cases] Imamura T, et al. **Gan To Kagaku Ryoho** 1986 Aug;13(8):2658–62 (Eng. Abstr.) **(Jpn)**

[Surgery and adjuvant chemotherapy of disseminated testicular cancer] Isurugi K, et al. **Gan To Kagaku Ryoho** 1986 Apr;13(4 Pt 2):1570–5 (Eng. Abstr.) **(Jpn)**

[VM-26 salvage therapy for refractory or recurrent germinal testicular cancers] Miki T, et al. **Hinyokika Kiyo** 1985 Sep; 31(9):1649–56 (Eng. Abstr.) **(Jpn)**

[Decreased pulmonary toxicity in continuous subcutaneous infusion and consecutive daily injection of peplomycin in testicular tumor patients] Satake I, et al. **Nippon Gan Chiryo Gakkai Shi** 1985 Dec 20;20(10):2291–7 (Eng. Abstr.) **(Jpn)**

[Studies of testicular function after treatment for testicular tumors. III. The influence of chemotherapy on pituitary-testicular axis in patients with testicular tumor] Furuhata A, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Jul;76(7):1035–41 (Eng. Abstr.) **(Jpn)**

[Results of treatment for testicular cancer] Maruoka M, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Dec; 76(12):1830–5 (Eng. Abstr.) **(Jpn)**

[Raynaud's disease after treatment with bleomycin and vinblastine] Dzieża-Lalowicz I, et al. **Pol Tyg Lek** 1986 Feb 17;41(7):218–9 (Eng. Abstr.) **(Pol)**

[Total remission of advanced cancer of the testis with the use of the VAB6 schedule: experience with 40 cases] Srougi M, et al. **AMB** 1985 Mar-Apr;31(3-4):52–8 (Eng. Abstr.) **(Por)**

[Chemotherapeutic effectiveness in malignant testicular tumors at advanced stages. Preliminary results of the VAB VI program] Chiricuță I, et al. **Rev Chir [Chir]** 1985 Nov-Dec;34(6):455–68 **(Rum)**

ENZYMOLOGY

Characterization of protein tyrosine kinase activity in murine Leydig tumor cells. Dangott LJ, et al. **Biochim Biophys Acta** 1986 Apr 29;886(2):187–94

Lactate dehydrogenase as a marker for testicular germ-cell tumours. Taylor RE, et al. **Eur J Cancer Clin Oncol** 1986 Jun;22(6):647–53

The pattern of lactate dehydrogenase isoenzymes in testicular germ cell tumors differs from that of the liver [letter] von Eyben FE, et al. **Eur J Cancer Clin Oncol** 1985 Sep; 21(9):1107–8

Phenotypes of placental-type alkaline phosphatase in seminoma sera as defined by monoclonal antibodies. Wahren B, et al. **Int J Cancer** 1986 Apr 15;37(4):595–600

ETIOLOGY

Incipient germ cell tumor in Sertoli-cell-only syndrome testis, accompanied with retroperitoneal teratocarcinoma and widespread metastases. Mori H, et al. **Acta Pathol Jpn** 1986 Jul;36(7):1067–73

Hormonal risk factors in testicular cancer. A case-control study. Moss AR, et al. **Am J Epidemiol** 1986 Jul; 124(1):39–52

Prenatal and perinatal risk factors for testicular cancer. Brown LM, et al. **Cancer Res** 1986 Sep;46(9):4812–6

Undescended testis: the effect of treatment on subsequent risk of subfertility and malignancy. Chilvers C, et al. **J Pediatr Surg** 1986 Aug;21(8):691–6 (70 ref.)

Seminoma arising in undescended testis clinically presenting as acute appendicitis. Sarma DP, et al. **J Surg Oncol** 1986 Jan;31(1):44–7

Cryptorchidism and testicular cancer [letter] Depue RH, et al. **JNCI** 1986 Sep;77(3):830–3

Birth weight and the risk of testicular cancer [letter] Malone KE, et al. **JNCI** 1986 Sep;77(3):829–30

Effect of age at orchidopexy on risk of testicular cancer. Pike MC, et al. **Lancet** 1986 May 31;1(8492):1246–8

Trauma and testis cancer. Bouffioux C. **Prog Clin Biol Res** 1985;203:161–5

Cryptorchidism and cancer. Brendler H. **Prog Clin Biol Res** 1985;203:189–96

Germinal cell tumors of the testis (GCTT) in renal transplanted patients (RTP): report of two cases. Droz JP, et al. **Prog Clin Biol Res** 1985;203:685–6

Testicular cancer in a renal transplant patient. Frantz P, et al. **Prog Clin Biol Res** 1985;203:681–3

Rare dysgeneses and testicular cancer. Navratil H. **Prog Clin Biol Res** 1985;203:197–200

[Emergence of testicular cancer after orchiopexy. Analysis of a case] Marranzini A, et al. **Minerva Chir** 1985 Nov 15;40(21):1499–501 (Eng. Abstr.) **(Ita)**

[Testicular recurrences in children with lymphoblastic leukemia and non-Hodgkin's lymphoma] Sońta-Jakimczyk D, et al. **Pediatr Pol** 1985 Aug;60(8):597–601 **(Pol)**

[Klinefelter's syndrome and neoplasms] Fiks T, et al. **Wiad Lek** 1985 Sep 1;38(17):1223–6 (27 ref.) **(Pol)**

[Histogenesis of human embryonal cancer of the testis] Romanenko AM, et al. **Arkh Patol** 1986;48(2):29–35 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Malignant testicular germ cell tumors in a father and two sons. Case report and literature review. Fuller DB, et al. **Cancer** 1986 Aug 15;58(4):955–8

Chromosome changes in germ cell tumors of the testis. Gibas Z, et al. **Cancer Genet Cytogenet** 1986 Jan 15;19(3-4):245–52

Karyotyping and DNA flow cytometry of mature residual teratoma after intensive chemotherapy of disseminated nonseminomatous germ cell tumor of the testis: a report of two cases. Oosterhuis JW, et al. **Cancer Genet Cytogenet** 1986 Jun;22(2):149–57

Ectopic nucleolus organizer regions (NORs) in human testicular tumors. DeLozier-Blanchet CD, et al. **Cytogenet Cell Genet** 1986;41(2):107–13

Familial tumor of the testis. Weissbach L, et al. **Eur Urol** 1986;12(2):104–8

Familial occurrence of testicular neoplasia: case report of testicular embryonal carcinoma in 2 brothers and a first cousin. Copeland GP, et al. **J Urol** 1986 Sep;136(3):676–7

[Similar evolution, with cerebral metastases, of testicular cancers in 2 non-twin brothers] Kerbrat P, et al. **Ann Urol (Paris)** 1986;20(3):191–2 (Eng. Abstr.) **(Fre)**

[Aggregated familial occurrence of testicular tumors] Furrer R, et al. **Helv Chir Acta** 1985 Sep;52(3-4):433–4 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Germ cell tumours of the testicle as a model of MHC influence on human malignancy [letter] Oliver RT, et al. **Lancet** 1986 Jun 28;1(8496):1506

Production of a monoclonal antibody specific for seminomas and dysgerminomas. Bailey D, et al. **Proc Natl Acad Sci USA** 1986 Jul;83(14):5291–5

Elevated antisperm antibodies in patients with testicular cancer: is there a relationship with infertility? Guazzieri S, et al. **Prog Clin Biol Res** 1985;203:725–31

METABOLISM

The inhibition of progesterone secretion and the regulation of cyclic nucleotides by atrial natriuretic factor in gonadotropin responsive murine Leydig tumor cells. Pandey KN, et al. **Biochem Biophys Res Commun** 1985 Dec 17;133(2):800–6

Control and production of leukotriene B4 in rat tumour and testicular Leydig cells. Sullivan MH, et al. **Biochem J** 1985 Sep 15;230(3):821–4

The clinical significance of flow cytometric c-myc oncoprotein quantitation in testicular cancer. Watson JV, et al. **Br J Cancer** 1986 Mar;53(3):331–7

Serum and tissue tumour markers in seminomas. Ford TF, et al. **Br J Urol** 1985 Dec;57(6):750–4

Trophoblastic proteins as tumor markers in nonseminomatous germ cell tumors. Braunstein GD, et al. **Cancer** 1986 May 1;57(9):1842–5

Steroid hormone-producing tumors in man. Freeman DA. **Endocr Rev** 1986 May;7(2):204–20 (111 ref.)

Regulation of renin angiotensins by gonadotropic hormones in cultured murine Leydig tumor cells. Release of angiotensin but not renin. Pandey KN, et al. **J Biol Chem** 1986 Mar 25;261(9):3934–8

Formation of 5 alpha-products as major C19-steroids in estrogen-responsive mouse Leydig cell tumor lines. Takatsuka D, et al. **J Steroid Biochem** 1986 Mar;24(3):715–9

[Establishment and property of the beta-HCG producing human testicular germ cell tumor cell line (NUT)] Hayashi M. **Nippon Hinyokika Gakkai Zasshi** 1986 Jan;77(1):125–32 (Eng. Abstr.) **(Jpn)**

MORTALITY

Mortality in patients with testicular cancer: report of the Anglia and Trent testicular tumour groups. Ellis M, et al. **Br Med J [Clin Res]** 1986 Mar 8;292(6521):672–4

Testicular cancer mortality in England and Wales 1971–80: variations by occupation. McDowall ME, et al. **J Epidemiol Community Health** 1986 Mar;40(1):26–9

Management of the postpubertal cryptorchid testis: a statistical review. Farrer JH, et al. **J Urol** 1985 Dec; 134(6):1071–6 (33 ref.)

Testicular yolk sac carcinoma in infants: natural history in 56 consecutive patients. Pow-Sang J, et al. **Prog Clin Biol Res** 1985;203:623–37

Indolent nonseminomatous germ cell tumor of testis. Prolonged survival of patient with persistent metastatic disease. Baker TM, et al. **Urology** 1986 Apr;27(4):349–52

OCCURRENCE

Diverging trends in incidence and mortality of testicular cancer in Denmark, 1943–1982. Osterlind A. **Br J Cancer** 1986 Apr;53(4):501–5

Testicular cancer in the United States: trends in incidence and mortality. Brown LM, et al. **Int J Epidemiol** 1986 Jun; 15(2):164–70

Birth dates of men with cancer of the testis. Knox EG, et al. **J Epidemiol Community Health** 1985 Sep;39(3):237–43

Gonadal stromal tumors: a report of the Prepubertal Testicular Tumor Registry. Kaplan GW, et al. **J Urol** 1986 Jul;136(1 Pt 2):300–2

Mesothelioma of the testicle in a child. Stein N, et al. **J Urol** 1986 Apr;135(4):794

Testicular cancer and employment in agriculture and oil and natural gas extraction [letter] Sewell CM, et al. **Lancet** 1986 Mar 8;1(8480):553

Testicular cancer survey [letter] Stone JM. **Med J Aust** 1986 Sep 15;145(6):301–2

Epidemiology of testicular cancers. Lanson Y. **Prog Clin Biol Res** 1985;203:155–9

Increasing incidence of testicular cancer in blacks. Sagalowsky AI, et al. **Urology** 1985 Dec;26(6):558–60

[Population aspects of malignant tumors of the testes (International Classification of Diseases 186)] Vrba M, et al. **Rozhl Chir** 1985 Nov;64(11):753–8 (Eng. Abstr.) **(Cze)**

[Testicular cancer in Denmark 1943–1982. Cancer statistics no. 14] Osterlind A. **Ugeskr Laeger** 1986 Feb 10; 148(7):418–21 **(Dan)**

PATHOLOGY

Immunohistochemical demonstration of alpha-fetoprotein in testicular germ cell tumors. Stiller D, et al. **Acta Histochem [Suppl] (Jena)** 1986;33:225–31

Microglia in teratomas. Pesce C, et al. **Acta Neuropathol (Berl)** 1985;67(3–4):332–6

A human vitelline component in embryonal carcinoma of the testis. Okamoto T. **Acta Pathol Jpn** 1986 Jan;36(1):41–8

Unusual thoracoabdominal sites of metastases in testicular tumors. Husband JE, et al. **AJR** 1985 Dec;145(6):1165–71

Low-attenuation thoracic metastases in testicular malignancy. Yousem DM, et al. **AJR** 1986 Feb;146(2):291–3

Testicular and paratesticular tumors and tumor-like lesions of ovarian common epithelial and müllerian types. A report of four cases and review of the literature. Young RH, et al. **Am J Clin Pathol** 1986 Aug;86(2):146–52

Lipogranulomas in lymph nodes [letter] Epstein HD, et al. **Arch Pathol Lab Med** 1986 Jun;110(6):467–8

Accuracy of radiological staging procedures in non-seminomatous testis cancer compared with findings from surgical exploration and histopathological studies of extirpated tissue. Samuelson L, et al. **Br J Radiol** 1986 Feb;59(698):131–4

Spread of a testicular tumour to the contralateral groin: another case [letter] von Rottkay P. **Br J Radiol** 1986 Feb; 59(698):196

Primary chondroma of testis. Dounis A. **Br J Urol** 1984 Jun; 56(3):334–5

Bilateral malignant testicular germ cell cancer. Kristianslund S, et al. **Br J Urol** 1986 Feb;58(1):60–3

Torsion of an intra-abdominal teratoma of testis. Sinha A, et al. **Br J Urol** 1984 Jun;56(3):339

Bilateral testicular germ cell tumors. Report of nine cases and review of the literature. Dieckmann KP, et al. **Cancer** 1986 Mar 15;57(6):1254–8

Sequential testicular biopsies in childhood acute lymphocytic leukemia. Kim TH, et al. **Cancer** 1986 Mar 1;57(5):1038–41

Vascular invasion as a prognosticator of metastatic disease in nonseminomatous germ cell tumors of the testis. Importance in "surveillance only" protocolsMoriyama N, et al. **Cancer** 1985 Nov 15;56(10):2492–8

Application of an in vitro antimetabolic assay to human germ cell testicular tumors for the preclinical evaluation of drug sensitivity. Sanfilippo O, et al. **Cancer** 1986 Oct 1; 58(7):1441–7

Gynecomastia in testicular cancer patients. Prognostic and therapeutic implications. Tseng A Jr, et al. **Cancer** 1985 Nov 15;56(10):2534–8

The differentiation of carcinomas of teratomatous origin from embryonal carcinoma. A light and electron microscopic study. Ulbright TM, et al. **Cancer** 1986 Jan 15;57(2):257–63

Growth of human urological tumors on extracellular matrix as a model for the in vitro cultivation of primary human tumor explants. Pavelic K, et al. **Cancer Res** 1986 Jul; 46(7):3653–62

Seminoma of the testis with bone involvement: a report of three cases. Collis CH, et al. **Clin Radiol** 1985 Sep; 36(5):467–8

The role of tumour markers and lymphography in determining clinical stage of non-seminomatous testis tumours. Zvara V, et al. **Czech Med** 1986;9(1):9–14

Characterization of human embryonal carcinoma cell lines derived from testicular germ-cell tumors. Sekiya S, et al. **Differentiation** 1985;29(3):259–67

Benign genital mesothelioma. Two case reports. Chahla Y. **Eur Urol** 1985;11(4):285–7

Idiopathic peritesticular fibrosis associated with retroperitoneal fibrosis. Nistal M, et al. **Eur Urol** 1986; 12(1):64–8

Hyperprolactinemia inhibits development of Leydig cell tumors in aging Fischer rats. Bartke A, et al. **Exp Aging Res** 1985 Summer;11(2):123–7

Nodular fibrous proliferation (fibrous pseudotumour) of the tunica vaginalis testis. A light, electron microscopic and immunocytochemical study of a case and review of the literature. Thompson JE, et al. **Histopathology** 1986 Jul; 10(7):741–8

Fetal gonadoblastoid testicular dysplasia. Spear GS, et al. **Hum Pathol** 1986 May;17(5):531–3

Benign cystic teratoma (dermoid) of the testis. A case report. Chosh RN, et al. **Indian J Pathol Microbiol** 1985 Apr; 28(2):159–61

Intrascrotal tumors in the older male. McClellan DS, et al. **Int Surg** 1986 Jan–Mar;71(1):51–2

Heterotopic adrenal tissue. Czaplicki M, et al. **Int Urol Nephrol** 1985;17(2):177–81

Torsion of an intra-abdominal seminoma. Tudor RG, et al. **Ir J Med Sci** 1986 Feb;155(2):55–6

Leydig cell tumor of the testis: report of a case. Tirjer HJ, et al. **J Am Osteopath Assoc** 1985 Dec;85(12):802–5

Malignant interstitial cell tumour of the testis. Alexander T, et al. **J Assoc Physicians India** 1986 Mar;34(3):225–6

Central nervous system and testicular involvement in acute lymphoblastic leukaemia. Saikia TK, et al. **J Assoc Physicians India** 1985 Jul;33(7):457–9

Prognostic factors in disseminated germ cell tumors [letter] Logothetis CJ, et al. **J Clin Oncol** 1986 Aug;4(8):1278–80

Results of semen cryopreservation in young men with testicular carcinoma and lymphoma. Reed E, et al. **J Clin Oncol** 1986 Apr;4(4):537–9

Seminoma in atrophic testis (report of 3 cases with review of literature). Dhankar SS, et al. **J Postgrad Med** 1985 Apr; 31(2):115–7

Adenocarcinoma of the rete testis. Sarma DP, et al. **J Surg Oncol** 1985 Oct;30(2):67–71

Growth of human urologic tumors on extracellular matrix. Bulbul MA, et al. **J Urol** 1986 Aug;136(2):512–6

Tumor of the testicle: a case of melanotic neuroectodermal tumor of infancy. Demadai ER, et al. **J Urol** 1986 Jul; 136(1):117–8

Bleomycin-induced nodular pulmonary fibrosis masquerading as metastatic testicular cancer. Dineen MK, et al. **J Urol** 1986 Aug;136(2):473–5

A case of simultaneous bilateral germ cell tumors arising from cryptorchid testes. Hayakawa M, et al. **J Urol** 1986 Aug; 136(2):470–2

Spontaneous regression of testicular seminoma: case report. Holmes AS, et al. **J Urol** 1986 Apr;135(4):795–6

Prognostic factors in nonseminomatous testicular cancer. Javadpour N, et al. **J Urol** 1986 Mar;135(3):497–9

Mature teratoma of the testis metastasizing as mature teratoma. Kusuda L, et al. **J Urol** 1986 May;135(5):1020–2

Teratoma following cisplatin-based combination chemotherapy for nonseminomatous germ cell tumors: a clinicopathological correlation. Loehrer PJ Sr, et al. **J Urol** 1986 Jun;135(6):1183–9

Testicular seminoma metastatic to the prostate. Motley RC, et al. **J Urol** 1986 Apr;135(4):801–2

Nonseminomatous germ cell tumor of the testicle: does extensive staging of the primary tumor predict the likelihood of metastatic disease? Rodriguez PN, et al. **J Urol** 1986 Sep;136(3):604–8

Late relapse in testicular cancer from a residual tumour [letter] Kuzmits R, et al. **Lancet** 1986 May 24; 1(8491):1207–8

Skeletal metastases of seminoma of the testicle. Hermann G, et al. **Mt Sinai J Med (NY)** 1986 Apr;53(4):294–6

Intracranial malignant lymphoma developing 20 years after total removal of testicular malignant lymphoma—case report. Ikeda Y, et al. **Neurol Med Chir (Tokyo)** 1986 Jan; 26(1):68–70

Acute subdural hematoma and metastatic seminoma. Rouah E, et al. **Neurology** 1986 Mar;36(3):418–20

Papillary cystadenoma of the epididymis. Case report and review of the literature. Wernert N, et al. **Pathol Res Pract** 1986 May;181(2):260–4

Adenomatoid leiomyoma and papillary cystadenoma of the epididymis. Romanelli R, et al. **Pathologica** 1985 Jul–Aug; 77(1050):445–8

Non germinal tumors of the testis. Chomette G, et al. **Prog Clin Biol Res** 1985;203:35–45

Carcinoma-in-situ of the cryptorchid testis. Giwercman A, et al. **Prog Clin Biol Res** 1985;203:177–88

Clinical staging of testicular tumours in 1984. Mazeman E. **Prog Clin Biol Res** 1985;203:339–44

Histological change ostensibly induced by therapy in the metastasis of germ cell tumors of testis. Mostofi FK. **Prog Clin Biol Res** 1985;203:47–60

Pathology of germ cell tumors of testes. Mostofi FK, et al. **Prog Clin Biol Res** 1985;203:1–34

Paratesticular rhabdomyosarcoma. Case reports. Knight B, et al. **S Afr Med J** 1986 May 24;69(11):702–4

Heterogeneity among germ cell tumors of the testis. Loehrer PJ Sr, et al. **Semin Oncol** 1985 Sep;12(3):304–16 (68 ref.)

Feminizing Sertoli cell tumor associated with Peutz-Jeghers syndrome (histologic and ultrastructural study). Ceccarnea A, et al. **Tumori** 1985 Aug 31;71(4):379–85

Paratesticular tumor in a 44-year-old male. Erlandson RA, et al. **Ultrastruct Pathol** 1985;8(1):107–13

Adenomatoid tumor of the epididymis: immunohistochemical study of 8 cases. Detassis C, et al. **Urol Int** 1986;41(3):232–4

Predictors of recurrent clinical stage I nonseminomatous testicular cancer. A prospective clinicopathologic study. Javadpour N, et al. **Urology** 1986 Jun;27(6):508–11

Extragonadal retroperitoneal germ cell tumors without apparent testicular involvement. A search for the source. Saltzman B, et al. **Urology** 1986 Jun;27(6):504–7

Hematogenous metastasis of nonseminomatous germ cell testicular cancer. Weems WL. **Urology** 1985 Dec; 26(6):583–4

Interstitial Leydig cell tumor of testis. Zein TA, et al. **Urology** 1985 Dec;26(6):590–3

Histogenetic considerations concerning germ cell tumours. Morphological and immunohistochemical comparative investigation of the human embryo and testicular germ cell tumours. Jacobsen GK. **Virchows Arch [A]** 1986; 408(5):509–25

[2 cases of bilateral testicular seminomas] Ashkov S, et al. **Khirurgiia (Sofiia)** 1985;38(4):43–5 (Eng. Abstr.) **(Bul)**

[Case of a rare testicular tumor] Ianev Ia, et al. **Khirurgiia (Sofiia)** 1985;38(3):61–2 **(Bul)**

[Germ cell tumor of the testis—clinicopathologic analysis of 114 cases] Chen SF. **Chung Hua Chung Liu Tsa Chih** 1985 Jul;7(4):277–9 (Eng. Abstr.) **(Chi)**

[Seminoma: a clinico-pathologic study of 93 cases] Li Y, et al. **Chung-hua Ping Li Hsueh Tsa Chih** 1985 Mar; 14(1):49–51 (Eng. Abstr.) **(Chi)**

[Influence of the in vivo microenvironment on the differentiation of cloned B7-2 embryonal carcinoma cells] Yao Z, et al. **Shih Yen Sheng Wu Hsueh Pao** 1985 Jun; 18(2):239–49 (Eng. Abstr.) **(Chi)**

[Abnormal germinal cells. The viewpoint of the internist] Rüedi B. **Helv Chir Acta** 1985 Sep;52(3–4):417–23 (Eng. Abstr.) **(Fre)**

[Seminomas in statu nascendi] Joos H, et al. **Helv Chir Acta** 1985 Sep;52(3–4):429–31 (Eng. Abstr.) **(Ger)**

[Measuring the DNA distribution pattern in human testicular tumors] Kleinhans G, et al. **Helv Chir Acta** 1985 Sep; 52(3–4):425–8 (Eng. Abstr.) **(Ger)**

[Bilateral testicular tumors in a 21-year-old patient with congenital adrenogenital syndrome] Jüngst D, et al. **Internist (Berlin)** 1985 Nov;26(11):706–10 **(Ger)**

[Nonbulky nonseminomas: N-staging value of image-producing study procedures with reference to possible surveillance management] Tradowsky M, et al. **Urologe [A]** 1986 May;25(3):160–3 (Eng. Abstr.) **(Ger)**

[Seminoma metastasis in the stomach] Sipos P, et al. **Orv Hetil** 1985 Sep 29;126(39):2409–10 (Eng. Abstr.) **(Hun)**

[Benign tumors of the testicle] Frea B, et al. **Minerva Urol Nefrol** 1985 Jan–Mar;37(1):63–7 (Eng. Abstr.) **(Ita)**

[Lymphoma of the testis, epididymis and spermatic cord]

Gallucci M, et al. **Minerva Urol Nefrol** 1985 Apr–Jun; 37(2):169–70 (Eng. Abstr.) (Ita)

[Rhabdomyosarcoma of paratesticular tissue. A case report] Gallucci M, et al. **Minerva Urol Nefrol** 1985 Apr–Jun; 37(2):171–2 (Eng. Abstr.) (Ita)

[Association of gonadoblastoma and seminoma in a patient with persistence of derivatives of the m"ullerian ducts] Piervittori M, et al. **Minerva Urol Nefrol** 1985 Jan–Mar; 37(1):101–4 (Eng. Abstr.) (Ita)

[A case of seminoma with epididymal swelling] Hirasawa S, et al. **Hinyokika Kiyo** 1985 Oct;31(10):1841–3 (Eng. Abstr.) (Jpn)

[Malignant lymphoma of the testis: report of two cases] Honda M, et al. **Hinyokika Kiyo** 1985 Dec;31(12):2265–72 (Eng. Abstr.) (Jpn)

[Diagnosis of retroperitoneal lymph node swelling by computed tomography in advanced testicular cancer patients, with special reference to retrocrural lymph node swelling] Kawamura J, et al. **Hinyokika Kiyo** 1985 Jul; 31(7):1105–16 (Eng. Abstr.) (Jpn)

[A case of bilateral reticulum cell sarcoma of the testis] Kawamura S, et al. **Hinyokika Kiyo** 1986 Feb;32(2):287–92 (Eng. Abstr.) (Jpn)

[Report of cases of adenomatoid tumors of the epididymis] Miyazaki N, et al. **Hinyokika Kiyo** 1986 Apr;32(4):611–4 (Eng. Abstr.) (Jpn)

[A case of cavernous hemangioma of the testis] Ogawa O, et al. **Hinyokika Kiyo** 1985 Nov;31(11):2060–4 (Eng. Abstr.) (Jpn)

[Malignant lymphoma of the testis: report of two cases and review of the literature] Onishi S, et al. **Hinyokika Kiyo** 1985 Oct;31(10):1831–9 (Eng. Abstr.) (Jpn)

[In vitro chemosensitivity test for testicular cancer using a human tumor stem cell assay] Yamamoto N, et al. **Nippon Gan Chiryo Gakkai Shi** 1985 Dec 20;20(10):2229–35 (Eng. Abstr.) (Jpn)

[A case of adenomatoid tumor in the testis] Marumo K, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Sep;76(9):1425–7 (Eng. Abstr.) (Jpn)

[In vitro cultivation of human testicular germ cell tumors. (I). Establishment of three cell lines derived from embryonal carcinomas] Yamamoto T. **Nippon Hinyokika Gakkai Zasshi** 1986 May;77(5):772–9 (Eng. Abstr.) (Jpn)

[Metastatic pulmonary and mediastinal carcinoma from testicular teratocarcinoma differentiating into a completely mature teratoma—a case report] Ohno K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Feb;34(2):226–9 (Eng. Abstr.) (Jpn)

[Primary testicular carcinoid tumor] Proca E, et al. **Rev Chir** [Chir] 1985 Jul–Aug;34(4):241–6 (Eng. Abstr.) (Rum)

[Carcinoid of the testis] Ol'khovskaia IG, et al. **Arkh Patol** 1986;48(5):68–72 (Eng. Abstr.) (Rus)

[Teratoma] Pokrovskaia NN. **Arkh Patol** 1985;47(8):82–6 (Eng. Abstr.) (Rus)

[Histological and ultrastructural characteristics of yolk sac tumors of gonadal and extragonadal localization in children] Shabanov MA, et al. **Arkh Patol** 1986;48(2):35–41 (Eng. Abstr.) (Rus)

[Cellular proliferation kinetics of Walker carcinosarcoma, Zajdela's ascitic hepatoma and their metastases to the lymph nodes] Kiseleva EG. **Eksp Onkol** 1985;7(5):42–4 (Eng. Abstr.) (Rus)

[Leydig cell tumors. Review and presentation of 3 cases] Piñango Angulo L, et al. **Actas Urol Esp** 1986 Jan–Feb; 10(1):49–54 (Eng. Abstr.) (Spa)

[Bilateral testicular infiltration as the first clinical manifestation of a centrocytic anaplastic lymphoma] Burgos FJ, et al. **Arch Esp Urol** 1986 Mar;39(2):149–54 (Eng. Abstr.) (Spa)

[Infertility and tumor of the testicle] Maganto E, et al. **Arch Esp Urol** 1986 May;39(4):261–8 (Eng. Abstr.) (Spa)

[Poorly differentiated lymphocytic lymphoma with primary testicular manifestation (letter)] Costa B, et al. **Med Clin (Barc)** 1986 Feb 8;86(5):218 (Spa)

[Pure vitelline sac tumor in adults. Apropos of a case] Hoyos Fitto C, et al. **Rev Esp Oncol** 1984;31(3):491–502 (Eng. Abstr.) (Spa)

PHYSIOPATHOLOGY

Fertility and hormonal function in patients with a nonseminomatous tumor of the testis. Nijman JM, et al. **Arch Androl** 1985;14(2–3):239–46

Spontaneous regression of metastatic embryonal testicular carcinoma: 22-year followup. Husseini S, et al. **J Urol** 1986 Jul;136(1):119–20

Late relapse in testicular teratoma after chemotherapy [letter] Chan SY, et al. **Lancet** 1985 Oct 5;2(8458):773–4

Exocrine and endocrine functions in patients with testicular tumors. Scheiber K, et al. **Prog Clin Biol Res** 1985; 203:715–24

Seminoma in an atrophic testis. Ali Khan S, et al. **Urol Int** 1985;40(5):282–3

[Examination of the fertility of patients with malignant testicular cancer at the time of orchiectomy. The question of the opinion on cryopreservation] Höppner W, et al. **Andrologia** 1986 Jul–Aug;18(4):398–405 (Eng. Abstr.) (Ger)

[Studies of testicular function after treatment for testicular tumor. I. Fertilization of patients with testicular tumor before and after treatment] Furuhata A, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Jul;76(7):1022–8 (Eng. Abstr.) (Jpn)

PREVENTION & CONTROL

Intermediate dose methotrexate in childhood acute lymphoblastic leukemia resulting in decreased incidence of testicular relapse. Brecher ML, et al. **Cancer** 1986 Sep 1;58(5):1024–8

Teaching patients about testicular cancer. Cummings KM, et al. **J Fla Med Assoc** 1985 Jan;72(1):41–4

Testicular self-examination: a public awareness program. Carlin PJ. **Public Health Rep** 1986 Jan–Feb;101(1):98–102

PSYCHOLOGY

Development of agoraphobia after surviving cancer. Viswanathan R, et al. **Gen Hosp Psychiatry** 1986 Mar; 8(2):127–32

RADIOGRAPHY

Influence of different criteria for abnormal lymph node size on reliability of computed tomography in patients with non-seminomatous testicular tumor. Lien HH, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Mar–Apr;27(2):199–203

CT evaluation of advanced seminoma treated with chemotherapy. Stomper PC, et al. **AJR** 1986 Apr; 146(4):745–8

The accuracy of CT scanning prior to para-aortic lymphadenectomy in patients with bulky metastases from testicular teratoma. Kennedy CL, et al. **Br J Urol** 1985 Dec;57(6):755–8

Retracted testis mimicking lymphomatous recurrence: CT demonstration. Neumann DR, et al. **J Comput Assist Tomogr** 1986 Jan–Feb;10(1):159–60

Duplicated inferior vena cava simulating retroperitoneal lymphadenopathy in a patient with embryonal cell carcinoma of the testicle. Klimberg I, et al. **J Urol** 1986 Sep;136(3):678–9

Late relapse of testicular germ-cell tumours after radiotherapy [letter] **Lancet** 1985 Nov 16;2(8464):1125

Lymphography in testicular tumours. Desprez-Curely JP. **Prog Clin Biol Res** 1985;203:243–52

The relative value of lymphangiography (LAG) and computed tomography (CT) in diagnosing small retroperitoneal metastases. Pizzocaro G, et al. **Prog Clin Biol Res** 1985;203:261

Computed tomography in the staging of testicular tumours. Richard F, et al. **Prog Clin Biol Res** 1985;203:253–7

RADIONUCLIDE IMAGING

Antibody-guided radiolocalisation of tumours in patients with testicular or ovarian cancer using two radioiodinated monoclonal antibodies to placental alkaline phosphatase. Epenetos AA, et al. **Br J Radiol** 1986 Feb;59(698):117–25

RADIOTHERAPY

Paternity after irradiation for testicular cancer. Fossâ SD, et al. **Acta Radiol [Oncol]** 1986 Jan–Feb;25(1):33–6

Radiation treatment of testicular relapse in acute lymphoblastic leukemia. Tombolini V, et al. **Acta Radiol [Oncol]** 1986 Jan–Feb;25(1):29–32

The management of early stage non-seminomatous germ cell tumours of the testis: Edinburgh 1970–1981. Duncan W, et al. **Br J Urol** 1985 Oct;57(5):560–6

Post-treatment fertility in patients with testicular cancer. III. Influence of radiotherapy in seminoma patients. Fossâ SD, et al. **Br J Urol** 1986 Jun;58(3):315–9

Long-term retention of 207Bi in the human body after injection of 206Bi. Buijs WC, et al. **Health Phys** 1985 Dec; 49(6):1267–9

Seminoma of the testis: a 22-year experience with radiation therapy. Willan BD, et al. **Int J Radiat Oncol Biol Phys** 1985 Oct;11(10):1769–75

Radiotherapy as initial treatment for bulky stage II testicular seminomas. Smalley SR, et al. **J Clin Oncol** 1985 Oct; 3(10):1333–8

Pure seminoma of the testis: the results of radiation therapy in patients with elevated human chorionic gonadotropin titers. Mirimanoff RO, et al. **J Urol** 1985 Dec;134(6):1124–6

Radiation treatment of carcinoma-in-situ of testis [letter] von der Maase H, et al. **Lancet** 1986 Mar 15;1(8481):624–5

Extent of radiotherapy for seminomas. Dana M, et al. **Prog Clin Biol Res** 1985;203:345–50

Fertility after radiotherapy for testicular cancer. Fossâ SD. **Prog Clin Biol Res** 1985;203:703–12 (13 ref.)

Is radiotherapy still indicated in non-seminomatous testicular tumours? Guerin RA. **Prog Clin Biol Res** 1985;203:351–2

Radiotherapy for stage I seminoma testis: results of treatment and complications. Hamilton C, et al. **Radiother Oncol** 1986 Jun;6(2):115–20

Sexual and marital relationships after radiotherapy for seminoma. Schover LR, et al. **Urology** 1986 Feb; 27(2):117–23

[Radiotherapy of testicular tumors] Nguyen TH, et al. **J Belge Radiol** 1986;69(2):115–21 (Eng. Abstr.) (Fre)

[5 years' results of radiotherapy of pure seminoma—1970–1984 evaluation] Pilz U, et al. **Radiobiol Radiother (Berl)** 1986;27(1):43–8 (Eng. Abstr.) (Ger)

[Radiation treatment of malignant testicular tumors—results, side effects, analysis of recurrences] Grodd W, et al. **Strahlenther Onkol** 1986 Feb;162(2):79–87 (Eng. Abstr.) (Ger)

[Role of radiotherapy in malignant testicular tumors] Suhr P, et al. **Urologe [A]** 1986 Jan;25(1):28–32 (Eng. Abstr.) (Ger)

[Studies of testicular function after treatment for testicular tumor. II. The influence of radiotherapy on pituitary–testicular axis in patients with testicular tumor] Furuhata A, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Jul;76(7):1029–34 (Eng. Abstr.) (Jpn)

SECONDARY

Metastatic cecal adenocarcinoma presenting as a testicular adnexal mass. Levin HS, et al. **Cleve Clin Q** 1985 Fall; 52(3):429–36

Bilateral testicular plasmacytoma. Taylor RE, et al. **Clin Radiol** 1986 May;37(3):293–4

Metastatic colonic carcinoma to the testes: case report and review of the literature. Jubelirer SJ. **J Surg Oncol** 1986 May;32(1):22–4

Metastatic tumors to the testicles. Hanash KA. **Prog Clin Biol Res** 1985;203:61–7

Metastatic tumour of the epididymis. A case report. Olesen J, et al. **Scand J Urol Nephrol** 1986;20(1):71

Testicular nodule incidentally found in elderly male. Jablokow VR, et al. **Ultrastruct Pathol** 1986;10(1):87–91

[Testicular and epididymal metastasis of prostate cancer] Thon W, et al. **Urologe [A]** 1985 Sep;24(5):287–90 (Eng. Abstr.) (Ger)

[Epididymal metastases disclosing a bilateral renal tumor noted 5 years earlier] Manieri C, et al. **Minerva Urol Nefrol** 1985 Jan–Mar;37(1):93–9 (Eng. Abstr.) (Ita)

[Prostatic carcinoma with metastasis to the testicle: a case report] Takahashi S, et al. **Hinyokika Kiyo** 1986 Mar; 32(3):468–72 (Eng. Abstr.) (Jpn)

[Testicular metastasis of carcinoma of the breast. A case] Pérez Lacort L, et al. **Actas Urol Esp** 1985 Sep–Oct; 9(5):541–2 (Eng. Abstr.) (Spa)

[Testicular carcinoma secondary to a prostatic adenocarcinoma. Case report and review of the literature] Torres Badillo A, et al. **Rev Clin Esp** 1985 Nov;177(8):394–5 (Eng. Abstr.) (Spa)

SECRETION

A human testicular germ cell tumor with borderline histology between seminoma and embryonal carcinoma secreted beta-human chorionic gonadotropin and alpha-fetoprotein only as a xenograft. Walt H, et al. **Cancer** 1986 Jul 1; 58(1):139–46

In vitro secretion of deoxycorticosterone by a benign Leydig cell tumor of the testis. Karpf DB, et al. **J Urol** 1986 Jul; 136(1):114–6

Morphologic and functional studies of a rat hypercalcemia-associated testicular tumor maintained in cell culture. Saxe AW, et al. **Surgery** 1985 Dec; 98(6):1013–23

SURGERY

Primary leiomyosarcoma of the epididymis. Helm RH, et al. **Br J Urol** 1986 Feb;58(1):99

Surveillance or lymph node dissection in clinical stage I non-seminomatous germinal testis cancer? Pizzocaro G, et al. **Br J Urol** 1985 Dec;57(6):759–62

Lymphocele after retroperitoneal node dissection for testis tumor. Messing EM, et al. **Cancer** 1986 Feb 15;57(4):871–4

Retroperitoneal lymphadenectomy in clinical stage I nonseminomatous germinal testis cancer. Pizzocaro G. **Eur J Surg Oncol** 1986 Mar;12(1):25–8

Prognostic factors in stage I non-seminomatous germ-cell testicular tumors managed by orchiectomy and surveillance: implications for adjuvant chemotherapy. Hoskin P, et al. **J Clin Oncol** 1986 Jul;4(7):1031–6

Orchiectomy alone in clinical stage I nonseminomatous testis cancer: a critical appraisal. Pizzocaro G, et al. **J Clin Oncol** 1986 Jan;4(1):35–40

Optimal treatment of clinical stage I yolk sac tumor of the testis in children. Flamant F, et al. **J Pediatr Surg** 1986 Feb;21(2):108–11

Testicular neuroblastoma. Kellie SJ, et al. **J Surg Oncol** 1985 Jul;29(3):201–4

Malignant mesothelioma of testicular tunica. Vakalikos I, et al. **J Surg Oncol** 1985 Aug;29(4):264

Chylous ascites following retroperitoneal lymphadenectomy for granulosa cell tumor of the testis. Allen W, et al. **J Urol** 1986 Apr;135(4):797–8

Computerized tomography diagnosis of diffuse intraperitoneal metastases after retroperitoneal lymphadenectomy for testicular carcinoma. Barakos JA, et al. **J Urol** 1986 Sep;136(3):680–1

Selection of testicular tumor patients for omission of retroperitoneal lymph node dissection. Herr HW, et al. **J Urol** 1986 Mar;135(3):500–3

Must every non seminomatous testis tumor (stage I or IIa) be treated by retroperitoneal lymphodenectomy? Aubert J, et al. **Prog Clin Biol Res** 1985;203:313

Is abdominal lymphadenectomy a therapeutic procedure in malignant non seminomatous testicular tumours. Auvert J, et al. **Prog Clin Biol Res** 1985;203:315–8

Orchidectomy alone for clinical stage I non-seminomas. Biedermann C, et al. **Prog Clin Biol Res** 1985;203:557–9
Retroperitoneal lymphadenectomy (RPLND) in low stage disease (staging RPLND) (one point of view). Donohue JP. **Prog Clin Biol Res** 1985;203:287–311
What type of retroperitoneal lymph node dissection (RPLND) should be performed for stage I non-seminomatous tumours of the testis. Durand JC. **Prog Clin Biol Res** 1985;203:321–2
Primary unilateral retroperitoneal lymph node dissection (RLND) in non-seminomatous testicular cancer. Fossa SD, et al. **Prog Clin Biol Res** 1985;203:319
Surgery of disseminated testicular cancer after intensive chemotherapy. Javadpour N. **Prog Clin Biol Res** 1985; 203:467–81
The question of retroperitoneal lymph node dissection for clinical stage I non-seminomatous testis tumors. Latiff A. **Prog Clin Biol Res** 1985;203:357–62
Anatomo-surgical aspects after chemotherapy for metastatic germ-cell tumors. Le Duc A, et al. **Prog Clin Biol Res** 1985;203:69–80
Surgical treatment for thoracic metastases from malignant germ cell tumors of the testes. Lemoine G, et al. **Prog Clin Biol Res** 1985;203:353–6
Retroperitoneal lymphadenectomy for non-seminomatous testicular tumours. Martelli A. **Prog Clin Biol Res** 1985; 203:567
The role of surgery in stage IIC and III nonseminomatous testicular cancer. Metzger U, et al. **Prog Clin Biol Res** 1985; 201:351–8
Surveillance following orchiectomy for clinical stage I testicular germ-cell malignancy. Peckham MJ. **Prog Clin Biol Res** 1985;203:523–38
Unilateral lymphadenectomy in peroperative clinically negative non seminoma. Pizzacaro G. **Prog Clin Biol Res** 1985;203:563
Usefulness and harm of expectant therapy in clinical stage I non seminoma. Pizzocaro G. **Prog Clin Biol Res** 1985; 203:565
Orchidectomy alone for clinical stage I nonseminomatous tumours. Rutishauser G, et al. **Prog Clin Biol Res** 1985; 203:555
Modified RLND as a means to preserve ejaculation. Weissbach L, et al. **Prog Clin Biol Res** 1985;203:323–34
Diagnostic and therapeutic significance of retroperitoneal lymph node dissection in low stage and localized disease: point of view. Whitmore WF Jr. **Prog Clin Biol Res** 1985; 203:263–8
Surgically preventable site of local recurrence of testicular carcinoma. Jaskulsky SR, et al. **Urology** 1986 May; 27(5):407–9
[Questions about retroperitoneal lymphadenectomy in the management of childhood testicular germ cell tumors] Porkoláb Z, et al. **Orv Hetil** 1985 Dec 15;126(50):3085–6 (Eng. Abstr.) **(Hun)**
[A case report of infantile testicular cancer: dissection of paraaortic lymph node involvement indicated by gradual rise in serum alpha-fetoprotein after orchiectomy] Takeuchi T, et al. **Hinyokika Kiyo** 1985 Sep;31(9):1643–8 (Eng. Abstr.) **(Jpn)**
[Lymphorrhea after retroperitoneal lymphadenectomy for testicular cancer] Villavicencio H, et al. **Actas Urol Esp** 1986 May-Jun;10(3):221–4 (Eng. Abstr.) **(Spa)**

THERAPY

The role of radiotherapy after chemotherapy in the management of persistent para-aortic nodal disease in non-seminomatous germ cell tumours. Read G, et al. **Br J Cancer** 1986 May;53(5):623–8
Rare cancers and specialist centres [editorial] Oliver RT. **Br Med J [Clin Res]** 1986 Mar 8;292(6521):641–2
The effect on fertility, libido and sexual function of post-operative radiotherapy and chemotherapy for cancer of the testicle. Levison V. **Clin Radiol** 1986 Mar;37(2):161–4
Advances in the management of testicular cancer. Ellis M, et al. **Drugs Exp Clin Res** 1986;12(1–3):219–31 (54 ref.)
Testicular seminoma: analysis of treatment results and failures. Lester SG, et al. **Int J Radiat Oncol Biol Phys** 1986 Mar;12(3):353–8
Toward more rational management for stage I testis cancer: watch out for "watch and wait"! [editorial] Garnick MB, et al. **J Clin Oncol** 1986 Jul;4(7):1021–3
Delay in treatment of testicular tumours in the Army. Attard GJ. **J R Army Med Corps** 1985 Oct;131(3):140–1
The treatment of nonseminomatous testicular tumors: 15 years experience. Steiner M, et al. **J Surg Oncol** 1986 Jul; 32(3):141–4
A decade of progress, current problems and future perspectives in testicular cancer. Javadpour N. **J Urol (Paris)** 1985;91(5):269–79 **(Eng, Fre)**
Fertility after testicular cancer therapy? [news] Ziporyn T. **JAMA** 1986 Jan 3;255(1):15, 20
Testicular semioma: results of treatment at the Northern Israel Oncology Center. Stein M, et al. **Oncology** 1986; 43(2):89–92
Treatment of seminoma: does a positive HCG influence prognosis? Bartsch G, et al. **Prog Clin Biol Res** 1985; 203:483–4
Testicular seminomas: study of relapses and causes of death on a series of 86 patients. Bey P, et al. **Prog Clin Biol Res** 1985;203:493–8
Stage III non-seminomatous germ cell tumours of the testis—patients treated at the Centre Leon Berard. Biron P, et al. **Prog Clin Biol Res** 1985;203:619–21
The current therapeutic approach to seminomas. Chatelain C. **Prog Clin Biol Res** 1985;203:499–501
Current concepts of the treatment of stage I nonseminomatous testicular tumours. Chatelain C. **Prog Clin Biol Res** 1985;203:569–70
Primary lymphoma of the testis. Report of 2 cases. Coloby P, et al. **Prog Clin Biol Res** 1985;203:667–71
High versus low-dose cisplatin combined with vinblastine and bleomycin and selective surgical resection of residual disease in patients with disseminated testicular cancer: a Southwest Oncology Group Study. Crawford ED, et al. **Prog Clin Biol Res** 1985;203:363–80
Current concepts in the management of paratesticular rhabdomyosarcoma. Debruyne FM, et al. **Prog Clin Biol Res** 1985;203:507–17
Treatment alternatives in advanced testicular cancer. Donohue JP, et al. **Prog Clin Biol Res** 1985;203:593–613
Treatment of localized paratesticular rhabdomyosarcoma (RMS) in children. Flamant F. **Prog Clin Biol Res** 1985; 203:519–21
Influence of lymph node dissection and/or chemotherapy on fertility in patients with testicular cancer. Fossa SD. **Prog Clin Biol Res** 1985;203:687–701
Treatment of yolk sac tumor of the testis in children. Françoise F. **Prog Clin Biol Res** 1985;203:639–42
Nonseminomatous germ cell tumours. Le Guillou M. **Prog Clin Biol Res** 1985;203:553
Sperm cryopreservation preceding treatment of testis cancer. Lucchetta G, et al. **Prog Clin Biol Res** 1985;203:713–4
How to manage clinical stage 3? Pontes JE. **Prog Clin Biol Res** 1985;203:615–7
Treatment of nonseminomatous testicular tumor with minimal retroperitoneal lymph node involvement. Pontes JE. **Prog Clin Biol Res** 1985;203:579–83
Primary systemic treatment of stage II non-seminomatous testicular cancer. A study by the Danish Testicular Cancer Study Group. Rorth M. **Prog Clin Biol Res** 1985;203:575
Treatment of non-seminomatous testicular germ cell tumors in Denmark since 1979. Rørth M, et al. **Prog Clin Biol Res** 1985;203:539–51
Non-seminomatous testicular cancer stage I. Orchiectomy alone versus orchiectomy + radiotherapy: a randomized study by the Danish Testicular Cancer Study Group. Rorth M. **Prog Clin Biol Res** 1985;203:561
Non-seminomatous germ cell testis tumors—how do you manage clinical state IIA? Whitmore WF Jr. **Prog Clin Biol Res** 1985;203:571–4
Bilateral testicular germ cell tumors. Zingg EJ, et al. **Prog Clin Biol Res** 1985;203:673–80
Testicular tumours in children. Livingstone RR, et al. **S Afr Med J** 1986 Aug 2;70(3):168–9
Modern trends in the management of non-seminomas. Bale J, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1984;27(1):77–86
[Current trends in the treatment of paratesticular rhabdomyosarcoma] Debruyne FM, et al. **Ned Tijdschr Geneeskd** 1985 Nov 30;129(48):2310–3 (Eng. Abstr.) **(Dut)**
[Chemosensitive metastatic cancer cured by surgery of the residual lesions] Droz JP, et al. **Chirurgie** 1985;111(7):523–7 (Eng. Abstr.) **(Fre)**
[Malignant tumor of testicular gonadal stroma. Treatment by combined chemotherapy-radiotherapy] Dauplat J, et al. **J Urol (Paris)** 1985;91(1):53–7 (Eng. Abstr.) **(Fre)**
[Germinal tumors of the testis] Droz JP. **J Urol (Paris)** 1985; 91(8):499–508 (79 ref.) (Eng. Abstr.) **(Fre)**
[Results of the treatment of testicular cancer] Dohogne A. **Rev Med Liege** 1985 Dec 1;40(23):808–10 **(Fre)**
[The Munich follow-up program in advanced non-seminoma testicular tumors. Benefits and costs] Clemm C, et al. **Dtsch Med Wochenschr** 1986 Aug 1;111(31–32):1181–5 (Eng. Abstr.) **(Ger)**
[Malignant testicular tumors. Recommendations on diagnosis, therapy and aftercare] **Onkologie** 1985 Dec;8 Suppl 1:1–24 (Eng. Abstr.) **(Ger)**
[Present status of the multidisciplinary treatment of advanced testicular tumors] Kotake T, et al. **Gan No Rinsho** 1985 Jul;31(9 Suppl):1037–45 (Eng. Abstr.) **(Jpn)**
[Problems in the management of testicular cancer] Yoshida O, et al. **Gan No Rinsho** 1985 Jul;31(9 Suppl):1046–50 (Eng. Abstr.) **(Jpn)**
[Treatment of advanced seminomas] Demura T, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Aug;76(8):1205–10 (Eng. Abstr.) **(Jpn)**
[Results of treatment of adult non-seminomatous testicular cancer] Nishio Y, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Aug;76(8):1138–47 (Eng. Abstr.) **(Jpn)**
[Testicular non-Hodgkin's lymphoma—a case report and review of literature] Ohsaka A, et al. **Rinsho Ketsueki** 1985 Sep;26(9):1520–5 (Eng. Abstr.) **(Jpn)**
[Endodermal sinus tumor—clinical evaluation of 7 cases] Karolewski K. **Nowotwory** 1985 Oct-Dec;35(4):364–9 (Eng. Abstr.) **(Pol)**
[Termination of treatment of children with lymphoblastic leukemia after its recurrence] Armata J, et al. **Pol Tyg Lek** 1985 Aug 19;40(33):921–5 (Eng. Abstr.) **(Pol)**
[Characteristics and treatment of testicular lesions in acute lymphoblastic leukemia in children] Maiakova SA, et al. **Pediatriia** 1985 Jul;(7):39–41 (Eng. Abstr.) **(Rus)**
[Personal experience in the treatment of tumors of the testes] Vučković I, et al. **Vojnosanit Pregl** 1985 Nov-Dec; 42(6):443–6 (Eng. Abstr.) **(Scr)**

ULTRASTRUCTURE

Scanning electron microscopy of adenomatoid tumours. Morris JA, et al. **Br J Urol** 1986 Apr;58(2):183–7
Primary neuroectodermal tumour of the testis. Nistal M, et al. **Histopathology** 1985 Dec;9(12):1351–9
Juvenile granulosa cell tumor of the infant testis: case report with ultrastructural observations. Pinto MM. **Pediatr Pathol** 1985;4(3–4):277–89
[Ultrastructural cytology of testicular seminomas] Stiller D, et al. **Zentralbl Allg Pathol** 1986;131(5):437–49 (Eng. Abstr.) **(Ger)**
[Electron microscopic studies on histogenesis of testicular tumors. 3. Fine structure of human testicular germ cell tumors] Satoh K, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Jan;77(1):98–113 (Eng. Abstr.) **(Jpn)**

VETERINARY

Sertoli cell tumors in Japanese quail. Gorham SL, et al. **Avian Dis** 1986 Apr-Jun;30(2):337–9
Spontaneous seminoma in a mule. Galofaro V, et al. **Equine Vet J** 1986 May;18(3):218–9
Hyperprogesteronemia associated with Sertoli cell tumor and alopecia in a dog. Fadok VA, et al. **J Am Vet Med Assoc** 1986 May 1;188(9):1058–9
Malignant mesothelioma of the tunica vaginalis in a dog. Cibak RW, et al. **J Comp Pathol** 1986 Jul;96(4):459–62
Two cases of male pseudohermaphroditism in the dog. Clinical, macroscopic, karyotypic and therapeutic features. Svendsen CK, et al. **Nord Vet Med** 1985 Nov-Dec; 37(6):358–63
Spermatocytic seminoma in the rat. Kim SN, et al. **Toxicol Pathol** 1985;13(3):215–21
Interstitial cell tumors in a young adult New Zealand white rabbit. Zwicker GM, et al. **Toxicol Pathol** 1985;13(3):232–5
Testicular teratocarcinoma in a horse. Shaw DP, et al. **Vet Pathol** 1986 May;23(3):327–8
Metastatic testicular embryonal carcinoma in a horse. Valentine BA, et al. **Vet Pathol** 1986 Jan;23(1):92–6
Teratoma in a duck. Hamir AN. **Vet Rec** 1985 Sep 21; 117(12):314

TESTICULAR TORSION see **SPERMATIC CORD TORSION**

TESTIS

see related

ORCHIECTOMY

Testicular self-examination [editorial] Goldenring JM. **Am Fam Physician** 1985 Nov;32(5):100–2
Participation of athletes with one testicle [letter] Ushkow MC. **Am J Dis Child** 1986 Feb;140(2):89–90
Multinucleated spermatocytes and spermatids in human seminiferous tubules. Holstein AF, et al. **Andrologia** 1986 Jan-Feb;18(1):5–16
Equal time for men. Teaching testicular self-examination [editorial] Goldenring JM. **J Adolesc Health Care** 1986 Jul; 7(4):273–4
Development of a testicular self-examination program for college men. Ostwald SK, et al. **J Am Coll Health** 1985 Jun;33(6):234–9
Linkage of genes for ectopic testes and male pseudohermaphroditism in the rat. Gumbreck LG, et al. **J Hered** 1986 Jan-Feb;77(1):57
Sperm parameters and testicular volumes in Saguinus mystax. Harrison RM, et al. **J Med Primatol** 1985;14(5):281–4
Impalpable testes: a review of 100 boys. Wright JE. **J Pediatr Surg** 1986 Feb;21(2):151–3
Crossed ectopic testis with common vas deferens. Miura T, et al. **J Urol** 1985 Dec;134(6):1206–8
Chronic scrotal hypothermia: results in 90 infertile couples. Zorgniotti AW, et al. **J Urol** 1986 May;135(5):944–7
Testicular entrapment by a shower chair in hospital [letter] Musk AW. **Med J Aust** 1986 Mar 17;144(6):334
[Association of a rare form of testicular ectopia, a persistent Müllerian duct syndrome and a supernumerary ectopic epididymis] Giannopoulos A, et al. **Ann Urol (Paris)** 1986; 20(4):267–70 (Eng. Abstr.) **(Fre)**

ABNORMALITIES

Ultrasonography of the undescended testis. Hederström E, et al. **Acta Radiol [Diagn] (Stockh)** 1985 Jul-Aug; 26(4):453–6
Crossed testicular ectopia in association with double incomplete testicular descent. Beasley SW, et al. **Aust NZ J Surg** 1985 Jun;55(3):301–3
The place of laparoscopy in the management of the impalpable testis. Boddy SA, et al. **Br J Surg** 1985 Nov; 72(11):918–9
Triorchidism. Case WG, et al. **Eur Urol** 1985;11(6):433–4
Congenital ocular and other systemic abnormalities associated with ring-11 chromosome. Daniele S, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(3):317–20
Fetal gonadoblastoid testicular dysplasia. Spear GS, et al. **Hum Pathol** 1986 May;17(5):531–3
Naloxone administration does not affect gonadotropin

secretion in agonadal men either basally or during testosterone treatment. De Feo ML, et al. **J Clin Endocrinol Metab** 1986 Jul;63(1):257–61

Elevation of serum gonadotropins establishes the diagnosis of anorchism in prepubertal boys with bilateral cryptorchidism. Jarow JP, et al. **J Urol** 1986 Jul;136(1 Pt 2):277–9

Human monorchism: a clinicopathological study of unilateral absent testes in 65 boys. Kogan SJ, et al. **J Urol** 1986 Apr; 135(4):758–61

Purported absence of the testis following surgical exploration: the need for further investigation. Redman JF. **J Urol** 1986 Feb;135(2):378–9

Rare dysgeneses and testicular cancer. Navratil H. **Prog Clin Biol Res** 1985;203:197–200

Supernumerary testis in a domestic fowl. Katiyar AK, et al. **Vet Rec** 1986 Mar 15;118(11):306–7

[Case of splenogonadal fusion with genital malformation] Heloury Y, et al. **Chir Pediatr** 1986;27(1):60–2 (Eng. Abstr.) (Fre)

[Perineal ectopic testis] Garat JM, et al. **J Urol (Paris)** 1985; 91(7):469–72 (Eng. Abstr.) (Fre)

[Crossed testicular ectopia: description of a case with retention of the orthotopic gonad] Lace R, et al. **Pediatr Med Chir** 1982 Nov–Dec;4(6):705–6 (Eng. Abstr.) (Ita)

[Hormonal investigation in the diagnosis of anorchia in childhood] Martone A, et al. **Pediatr Med Chir** 1984 Nov–Dec;6(6):805–9 (Eng. Abstr.) (Ita)

[A case of hernia uteri inguinalis with a left crossed ectopic testis] Hihara T, et al. **Hinyokika Kiyo** 1985 Nov; 31(11):2065–70 (Eng. Abstr.) (Jpn)

[The impalpable testis: use of laparoscopy in the diagnosis and therapeutic planning] Wroclawski ER, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1985 Nov–Dec; 40(6):263–5 (Eng. Abstr.) (Por)

[Crossed testicular ectopia associated with bilateral cryptorchism (letter)] Vianna RS, et al. **Rev Paul Med** 1985 Jul–Aug;103(4):215 (Por)

[Ectopy of the left testis in congenital inguinal hernia on the right] Zonov VF, et al. **Khirurgiia (Mosk)** 1985 Sep; (9):125–6 (Rus)

[Polyorchidism: review and contribution of a new case] Verdú Tartajo F, et al. **Actas Urol Esp** 1986 Jul–Aug; 10(4):277–80 (Eng. Abstr.) (Spa)

[Incidence of macro–orchidism in patients with mental retardation: according to evaluation criteria] Zavala A, et al. **Rev Chil Pediatr** 1985 Jul–Aug;56(4):228–33 (Eng. Abstr.) (Spa)

ANALYSIS

Reversible changes in rat spermatogenesis induced by an antifertility substance (Gossypol). A histochemical report. Haider SG, et al. **Acta Histochem (Jena)** 1985;77(2):185–91

Light and electron microscopic study on complex carbohydrates in the testis of Salamandra salamandra L. (Amphibia, Urodela). Schindelmeiser J. **Acta Histochem (Jena)** 1986;78(2):189–95

Isolation and identification of prostaglandins of the E and F series in testes and semen of lowland–black–white breed of bulls. Ledwozyw A, et al. **Acta Physiol Hung** 1986; 68(1):11–7

Neutral lipids, phospholipids and higher fatty acids in bull's testes. Ledwożyw A, et al. **Acta Physiol Pol** 1984 Jul–Aug; 35(4):403–11

DNA–analysis of human testicular samples by cytofluorometry. Hacker–Klom U, et al. **Andrologia** 1986 May–Jun;18(3):304–11

Testicular testosterone concentrations in protein–calorie malnourished rats. Herbert DC. **Arch Androl** 1985; 14(1):45–9

Histone messenger RNAs of the mouse testis. Faulkner RD, et al. **Biochem Biophys Res Commun** 1986 May 14; 136(3):1116–23

Sequence of the amino terminal half of rat testis–specific histone variant H1t. Cole KD, et al. **Biochim Biophys Acta** 1986 Feb 14;869(3):223–9

Radioiodination of tyrosine residue(s) of ox testis and of wheat germ calmodulins. Dutoit C, et al. **Biochim Biophys Acta** 1986 Jun 5;871(2):130–6

Composition of gangliosides from ovine testis and spermatozoa. Gore PJ, et al. **Biochim Biophys Acta** 1986 Mar 21;876(1):36–47

A monoclonal antibody recognizes a form of intermediate filament protein in rat Sertoli cells that is not present in seminiferous peritubular cells. Kierszenbaum AL, et al. **Biol Reprod** 1986 Aug;35(1):227–38

Immunolocalization of clusterin in the ram testis, rete testis, and excurrent ducts. Tung PS, et al. **Biol Reprod** 1985 Aug; 33(1):177–86

Localization of mRNAs in mouse testes by in situ hybridization: distribution of alpha–tubulin and developmental stage specificity of pro–opiomelanocortin transcripts. Gizang–Ginsberg E, et al. **Dev Biol** 1985 Oct; 111(2):293–305

Arginine vasopressin as an intragonadal hormone in Brattleboro rats: presence of a testicular vasopressin–like peptide and functional vasopressin receptors. Kasson BG, et al. **Endocrinology** 1986 Jan;118(1):23–31

High mobility group proteins in ram spermatids. Loir M, et al. **Exp Cell Res** 1986 Aug;165(2):441–9

Biochemical analysis of bovine testicular anti–Müllerian hormone. Picard JY, et al. **FEBS Lett** 1986 Jan 20; 195(1–2):73–6

Immunostaining of transferrin and transferrin receptor in human seminiferous tubules. Vannelli BG, et al. **Fertil Steril** 1986 Apr;45(4):536–41

The heterogeneity of rat androgen binding protein (rABP) in the vascular compartment differs from that in the testicular tubular lumen. Further evidence for bidirectional secretion of rABP. Cheng CY, et al. **J Androl** 1986 May–Jun;7(3):175–9

Low molecular weight FSH binding inhibitor in bovine testis. Krishnan KA, et al. **J Androl** 1986 Jan–Feb;7(1):42–8

Establishment of an efficient purification method and further characterization of 32K calmodulin–binding protein in testis. Ono T, et al. **J Biochem (Tokyo)** 1985 Dec; 98(6):1455–61

Isolation of the gene for the testis–specific H1 histone variant H1t. Cole KD, et al. **J Biol Chem** 1986 Jun 5; 261(16):7178–83

Testis–specific histone H1t is antigenically distinct among H1 subtypes. Markose ER, et al. **J Biol Chem** 1985 Dec 25;260(30):16263–8

Quaternary structure of the calf testis follitropin receptor. Smith RA, et al. **J Biol Chem** 1986 Jul 25;261(21):9850–3

Seminiferous tubule androgen receptors in experimental cryptorchidism. Winters SJ. **J Endocrinol** 1986 Jun; 109(3):427–33

Analysis of profiles of unconjugated steroids in rat testicular tissue by gas chromatography–mass spectrometry. Andersson SH, et al. **J Steroid Biochem** 1985 Oct; 23(4):469–75

Intratesticular unconjugated steroids in elderly men. Vermeulen A, et al. **J Steroid Biochem** 1986 May; 24(5):1079–83

Assay of primate seminiferous tubule androgen receptors using [3H]mibolerone. Winters SJ, et al. **J Steroid Biochem** 1986 May;24(5):963–9

The isolation and measurement of luteinizing hormone–releasing hormone (LHRH) from the rat testis. Hedger MP, et al. **Mol Cell Endocrinol** 1985 Sep; 42(2):163–74

Testis size and hermaphroditism [letter] Mittwoch U. **Nature** 1986 Sep 11–17;323(6084):117–8

[Changes in the properties of the monoamine receptors in the organs of tumor carriers] Gedevanishvili MD, et al. **Patol Fiziol Eksp Ter** 1986 Jan–Feb;(1):68–70 (Rus)

ANATOMY & HISTOLOGY

Carry–over effects of long and short photoperiods on body fattening and gonadal weight of blackheaded bunting (Emberiza melanocephala). Kumar V. **Acta Physiol Hung** 1986;67(2):193–8

Morphology and innervation of a testicular 'rete mirabile' in the guinea–pig. Greenberg J, et al. **Anat Embryol (Berl)** 1985;173(2):225–35

A mathematical method for estimating paired testes weight from in situ testicular measurements in three species of hamster. Watson–Whitmyre M, et al. **Anat Rec** 1985 Nov; 213(3):473–6

Effects of the DBA/1Bg Y chromosome on testis weight and aggression. Shrenker P, et al. **Behav Genet** 1986 Mar; 16(2):263–70

Lectin staining of rat testis and epididymis after ligation of excurrent ducts at different levels. Vanha–Perttula T, et al. **Biol Reprod** 1985 Sep;33(2):477–85

Computer–aided three–dimensional reconstructions of the arrangement of primary spermatocytes in human seminiferous tubules. Schulze W, et al. **Cell Tissue Res** 1986; 244(1):1–7

Morphometry of the rat testis in postnatal period. I. Physiological conditions. Gaździk T, et al. **Folia Morphol (Warsz)** 1985;44(1):20–3

Quantitative investigations on the topography of twelve structural elements of the male gonad. Soźnik H. **Gegenbaurs Morphol Jahrb** 1986;132(1):154–69

Studies on the participation of tunica albuginea and rete testis (TA and RT) in the quantitative structure of human testis. Soźnik H. **Gegenbaurs Morphol Jahrb** 1985;131(3):347–56

Relative efficacy of melatonin and 5–methoxytryptamine in terms of their antigonadotrophic and counterantigonadotrophic actions in male Syrian hamsters. Reiter RJ, et al. **J Pineal Res** 1984;1(1):91–8

Endocrine differences in rams after genetic selection for testis size. McNeilly JR, et al. **J Reprod Fertil** 1986 Jan; 76(1):131–40

Ethnic differences. Variation in human testis size [news] Diamond JM. **Nature** 1986 Apr 10–16;320(6062):488–9

Testis size and dizygotic twins [letter] Willatt LR, et al. **Nature** 1986 Jun 12–18;321(6071):658

Age–related variations in seminiferous tubule dimensions and germinal and Sertoli cell numbers in guinea–fowl raised under a 14L:10D photoperiod. Brillard JP. **Poult Sci** 1986 Feb;65(2):369–74

Histological assessment of puberty in dogs in the Zaria area of northern Nigeria. Kumi–Diaka J, et al. **Res Vet Sci** 1986 May;40(3):281–4

[Partial abolition of seasonal variations of testicular weight in rams by decreasing the photoperiod] Pelletier J, et al. **C R Acad Sci [III]** 1985;301(14):665–8 (Eng. Abstr.) (Fre)

[Seasonal variation in the testis diameter and sperm morphology in the Vendean ram and Texel ram] Colas G, et al. **Reprod Nutr Dev** 1986;26(3):863–75 (Eng. Abstr.) (Fre)

[How many testicular lobules does a human testicle contain? Reexamination of an old problem] Countouris N, et al. **Andrologia** 1985 Nov–Dec;17(6):525–31 (Eng. Abstr.) (Ger)

[Classification criteria for the epithelium cycle of the seminiferous tubule, based on studies in the cat (Felis catus)] Böhme G, et al. **Berl Munch Tierarztl Wochenschr** 1986 Jul 1;99(7):232–6 (Eng. Abstr.) (Ger)

[Castration of roosters] König HE. **Tierarztl Prax** 1985; 13(3):307–11 (Eng. Abstr.) (Ger)

[Histomorphometric features of the normally descended testicle in prepuberty] Aragona F, et al. **Minerva Chir** 1985 Sep 15;40(17):1141–50 (Eng. Abstr.) (Ita)

[Seasonal changes in the testes of the silver fox] Tsellarius IuG, et al. **Arkh Anat Gistol Embriol** 1986 May;90(5):69–71 (Eng. Abstr.) (Rus)

BLOOD SUPPLY

Testicular microcirculation in the rat studied by videophotometric capillaroscopy, fluorescence microscopy and laser Doppler flowmetry. Damber JE, et al. **Acta Physiol Scand** 1986 Mar;126(3):371–6

Proof of calcium in rat testicles after single and repeated ischemia. Kamarád V, et al. **Acta Univ Palacki Olomuc Fac Med** 1982;103:101–8

Possible vascular effects of an LH–RH agonist on the peripheral circulation of the rat testes. Habenicht UF, et al. **Andrologia** 1985 Sep–Oct;17(5):440–3

Sensitivity of locally regenerated testicular vessels to cadmium. Niewenhuis RJ, et al. **Arch Androl** 1986; 16(1):13–8

The increase in testicular vascular permeability induced by human chorionic gonadotrophin involves 5–hydroxytryptamine and possibly oestrogens, but not testosterone, prostaglandins, histamine or bradykinin. Sowerbutts SF, et al. **Aust J Exp Biol Med Sci** 1986 Apr; 64 (Pt 2):137–47

Testicular infarction in a patient with sickle cell trait. Urwin GH, et al. **Br J Urol** 1986 Jun;58(3):340–1

Testicular vein ligation and fertility in men with varicoceles. Baker HW, et al. **Br Med J [Clin Res]** 1985 Dec 14; 291(6510):1678–80

Testicular vein ligation and fertility in men with varicoceles [letter] Lewis–Jones DI, et al. **Br Med J [Clin Res]** 1986 Feb 1;292(6516):342

Testicular vein ligation and fertility in men with varicoceles [letter] Zorgniotti AW. **Br Med J [Clin Res]** 1986 Apr 19; 292(6527):1080

Microvasculature of the human testis and excurrent duct system. Resin–casting and scanning electron–microscopic studies. Suzuki F, et al. **Cell Tissue Res** 1986;243(1):79–89

Evolution of acute epididymitis to testicular infarction. Scintigraphic demonstration. Vieras F. **Clin Nucl Med** 1986 Mar;11(3):158–60

Are leukocytes involved in the human chorionic gonadotropin–induced increase in testicular vascular permeability? Bergh A, et al. **Endocrinology** 1986 Aug; 119(2):586–90

Testicular blood flow, vascular permeability, and testosterone production after stimulation of unilaterally cryptorchid adult rats with human chorionic gonadotropin. Damber JE, et al. **Endocrinology** 1985 Nov;117(5):1906–13

Cavernous haemangioma of testis with acute testicular infarction—a case report. Gharpure KJ, et al. **Indian J Cancer** 1985 Mar;22(1):73–5

The importance of the Leydig cells in the vascular response to hCG in the rat testis. Setchell BP, et al. **Int J Androl** 1985 Dec;8(6):436–40

Autonomy extends to the arterial supply of rapidly growing tumors. Studies on the feeder vessel to carcinoma in rat testis. Paskins–Hurlburt AJ, et al. **Invest Radiol** 1986 Jun; 21(6):455–8

Stagnation of blood in the microvasculature of the affected and contralateral testes of men with short–term torsion of the spermatic cord. Chakraborty J, et al. **J Androl** 1985 Sep–Oct;6(5):291–9

Relationship between human chorionic gonadotrophin–induced changes in testicular microcirculation and the formation of testicular interstitial fluid. Widmark A, et al. **J Endocrinol** 1986 Jun; 109(3):419–25

Effect of ACTH on contralateral testicular damage and cytotoxic antisperm antibodies after unilateral testicular ischaemia in the rat. Kearney SE, et al. **J Reprod Fertil** 1985 Nov;75(2):531–5

Spermatic vessel ligation (Fowler–Stephens maneuver): experimental results with regard to fertility. Ortolano V, et al. **J Urol** 1986 Jul;136(1 Pt 2):211–3

Luteinising hormones activate a factor(s) in testicular interstitial fluid which increases testicular vascular permeability. Veijola M, et al. **Mol Cell Endocrinol** 1986 May;45(2–3):113–8

Histological changes in rat testicles after short–term ischaemia. Gilbert P, et al. **Urol Int** 1986;41(2):145–8

Postsurgical focal testicular infarct. Nistal M, et al. **Urol Int** 1986;41(2):149–51

[Clinico–morphological and histochemical research on the vena testicularis interna in patients with idiopathic varicocele and infertility] Tsvetkov D, et al. **Akush Ginekol (Sofiia)** 1985;24(5):58–64 (Eng. Abstr.) (Bul)

[Frequent abscence of the spermatic artery in proximal trestment of left varicocele] Hardy JC. **Acta Urol Belg** 1985;53(4):681–3 (Eng. Abstr.) (Fre)
[Spermatic phlebography. Diagnostic technic] Vandenbosch G, et al. **Acta Urol Belg** 1985;53(4):644–52 (Eng. Abstr.) (Fre)
[Spermatic phlebography. Therapeutic technic] Vandenbosch G, et al. **Acta Urol Belg** 1985;53(4):653–9 (Eng. Abstr.) (Fre)
[Testicular exploration by Doppler ultrasonography in children. Importance, indications, limitations. Apropos of 90 cases] Valla JS, et al. **Chir Pediatr** 1985;26(6):351–5 (Eng. Abstr.) (Fre)
[Scanning electron microscopy studies of the microvascularization of the convoluted seminiferous tubules of the bull testis] Amselgruber W, et al. **Berl Munch Tierarztl Wochenschr** 1986 May 1;99(5):166–70 (Eng. Abstr.) (Ger)
[Ischemic damage of the testis as a complication of incarcerated hernia in the infant] Hager J, et al. **Padiatr Padol** 1986;21(1):17–24 (Eng. Abstr.) (Ger)
[Persistent varicocele following high ligation of the internal spermatic vein. Phlebography and vaso-occlusion with ethibloc] Buck J, et al. **ROFO** 1986 Mar;144(3):263–7 (Eng. Abstr.) (Ger)
[Percutaneous sclerotherapy as primary treatment of testicular insufficiency in idiopathic varicocele] Sigmund G, et al. **ROFO** 1986 Mar;144(3):255–62 (Eng. Abstr.) (Ger)
[Diagnosis of varicocele: comparative studies using Doppler sonography and phlebography of the internal spermatic vein] Bähren W, et al. **Rontgenpraxis** 1986 May;39(5):151–8 (Ger)
[Doppler sonography and phlebography in the detection of hemodynamically different varicocele types] Gall H, et al. **Urologe [A]** 1986 May;25(3):147–52 (Eng. Abstr.) (Ger)
[Animal experiment studies on improving ischemia tolerance of the testis] Schwaiger R, et al. **Urologe [A]** 1986 May; 25(3):174–8 (Eng. Abstr.) (Ger)
[Clinico-anatomical evaluation of the stimulation of disorders of testicular function in varicoceles by blood flow regulation] Melman EP, et al. **Vrach Delo** 1985 Sep; (9):53–5 (Eng. Abstr.) (Rus)
[Anatomic characteristics of the left testicular vein] Prostran M, et al. **Srp Arh Celok Lek** 1985 Nov–Dec; 113(11–12):955–61 (Eng. Abstr.) (Sec)
[Blood supply in the testicle of the vasectomized rat] Nuñez J, et al. **Actas Urol Esp** 1986 Jan–Feb;10(1):65–8 (Eng. Abstr.) (Spa)
[Testicular infarction in puberty secondary to intratesticular hemangioma] Suárez-Ruiz JJ, et al. **Bol Med Hosp Infant Mex** 1985 Dec;42(12):771–4 (Eng. Abstr.) (Spa)

CYTOLOGY

Isolation, purification and culture of Sertoli cells from immature piglet testes. Renier G, et al. **Acta Endocrinol (Copenh)** 1986 Mar;111(3):411–8
A new approach to quantification of Sertoli cells that avoids problems associated with the irregular nuclear surface. Johnson L. **Anat Rec** 1986 Mar;214(3):231–7
Peritubular myoid cells of human and rat testis are smooth muscle cells that contain desmin-type intermediate filaments. Virtanen I, et al. **Anat Rec** 1986 May; 215(1):10–20
Ciliated cells in the rat testis effects of neonatal administration of estrogens. Gaytan F, et al. **Andrologia** 1986 May–Jun; 18(3):273–8
Topological shifts of sudanophilic bodies in ageing male gonad. Sosnik H. **Andrologia** 1986 Jan–Feb;18(1):63–8
Isolation and biochemical studies of enriched populations of spermatogonia and early primary spermatocytes from rat testes. Bucci LR, et al. **Biol Reprod** 1986 Feb;34(1):195–206
Macrophages in the interstitial tissue of the rat testis. Niemi M, et al. **Cell Tissue Res** 1986;243(2):337–44
Abnormal RNA synthesis in sex vesicles of tertiary trisomic male mice. Speed RM. **Chromosoma** 1986;93(3):267–70
Spectrin in mouse gametogenesis and embryogenesis. Damjanov I, et al. **Dev Biol** 1986 Mar;114(1):132–40
Cell–substratum and cell–cell interactions promote testicular peritubular myoid cell histotypic expression in vitro. Tung PS, et al. **Dev Biol** 1986 May;115(1):155–70
Extracellular matrix components and testicular peritubular cells influence the rate and pattern of Sertoli cell migration in vitro. Tung PS, et al. **Dev Biol** 1986 Jan;113(1):119–34
Ethylene dimethanesulfonate destroys Leydig cells in the rat testis. Morris ID, et al. **Endocrinology** 1986 Feb; 118(2):709–19
Annual cyclical changes in the testicular activity of an Indian freshwater major carp, Labeo rohita (Hamilton). Mukhopadhyay S, et al. **Gegenbaurs Morphol Jahrb** 1986; 132(2):303–21
Changes in seminiferous tubules after vasectomy. Mehrotra R, et al. **Indian J Pathol Microbiol** 1985 Oct;28(4):371–8
Laminin and type IV collagen in the human testis. Pöllänen PP, et al. **Int J Androl** 1985 Oct;8(5):337–47
Seasonal changes in testicular structure and function in the blue fox (Alopex lagopus), as quantified by morphometric analysis and measurement of adenylate cyclase activity. Smith A, et al. **Int J Androl** 1986 Feb;9(1):53–66
Culture of ciliated and nonciliated cells from rat ductuli efferentes. Byers SW, et al. **J Androl** 1985 Sep–Oct; 6(5):271–8
In vitro differentiation of rat seminiferous tubular segments from defined stages of the epithelial cycle morphologic and immunolocalization analysis. Toppari J, et al. **J Androl** 1985 Nov–Dec;6(6):334–43
Flow cytometric DNA analysis of defined stages of rat seminiferous epithelial cycle during in vitro differentiation. Toppari J, et al. **J Androl** 1985 Nov–Dec;6(6):325–33
Testicular cell differentiation in fetal mouse ovaries following transplantation into adult male mice. Taketo-Hosotani T, et al. **J Exp Zool** 1985 Nov;236(2):229–37
Photoperiodic variations of somatic and germ cell populations in the Soay ram testis. Hochereau-de Reviers MT, et al. **J Reprod Fertil** 1985 Jul;74(2):329–34
Testicular aspiration biopsy in evaluation of fertility of mink (Mustela vison). Sundqvist C, et al. **J Reprod Fertil** 1986 Jul;77(2):531–5
Testicular cytosol factors inhibit the binding of steroid-receptor complexes to chromatin. Tsai YH. **J Steroid Biochem** 1986 May;24(5):1005–10
Establishment of a peritubular myoid-like cell line and interactions between established testicular cell lines in culture. Mather JP, et al. **J Ultrastruct Res** 1984 Jun; 87(3):263–74
Mutagen effects on rat seminiferous tubules in vitro: induction of meiotic micronuclei by adriamycin. Toppari J, et al. **Mutat Res** 1986 Aug–Sep;171(2–3):149–56
Deletion mapping of the testis determining locus with DNA probes in 46,XX males and in 46,XY and 46,X,dic(Y) females. Müller U, et al. **Nucleic Acids Res** 1986 Aug 26; 14(16):6489–505
Reduction of the spermatogonial population in rat testes flown on Space Lab-3. Philpott DE, et al. **Physiologist** 1985 Dec;28(6 Suppl):S211–2
Detection of sperm histone diversity among vertebrates by alkaline fast green staining. Bols NC, et al. **Stain Technol** 1986 Mar;61(2):111–9
Spermatid giant cells, tubular hypospermatogenesis, spermatogonial swelling, cytoplasmic vacuoles, and tubular dilatation in the testes of normal rabbits. Morton D, et al. **Vet Pathol** 1986 Mar;23(2):176–83
[Classification of the germinal epithelium in Java monkeys (Macaca cynomolgus) using digital image processing] Dietrich T, et al. **Urologe [A]** 1986 May;25(3):179–86 (Eng. Abstr.) (Ger)

DRUG EFFECTS

Dose and time effects of treatment with low doses of a LRH agonist on testicular axis and accessory sex organs in rats. Lemarchand-Béraud T, et al. **Acta Endocrinol (Copenh)** 1986 Aug;112(4):595–602
Effects of cisplatin on the mouse testis. Vawda AI, et al. **Acta Endocrinol (Copenh)** 1986 Jul;112(3):436–41
An investigation into the effects of ketoconazole on testicular function in Wistar rats. Vawda AI, et al. **Acta Endocrinol (Copenh)** 1986 Feb;111(2):246–51
Initiation of spermatogenesis during chemotherapy for leukemia. Müller J, et al. **Acta Paediatr Scand** 1985 Nov; 74(6):956–60
Effects of di-(2-ethylhexyl) phthalate and five of its metabolites on rat testis in vivo and in in vitro. Sjöberg P, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Mar; 58(3):225–33
Ultrastructure of the testis of Pekin ducks fed methyl mercury chloride: seminiferous epithelium. McNeil SI, et al. **Am J Vet Res** 1985 Sep;46(9):2019–25
Effect of cadmium on the reproductive organs of the male potoroo Potorous tridactylus (macropodidae). Bryant SL, et al. **Aust J Biol Sci** 1985;38(3):305–11
Effects of the polyamine spermine on binding of follicle-stimulating hormone to membrane-bound immature bovine testis receptors. Swift TA, et al. **Biochim Biophys Acta** 1986 Feb 21;885(2):221–30
Lead toxicity and the hypothalamic-pituitary-testicular axis. Sokol RZ, et al. **Biol Reprod** 1985 Oct;33(3):722–8
Differential down-regulation and induction responses of testicular steroidogenic cytochromes P-450(cscc) and P-450(C17 alpha) to human choriogonadotropin. Kühn-Velten N, et al. **Biosci Rep** 1986 May;6(5):451–7
Long term effects of cyclophosphamide on testicular function. Watson AR, et al. **Br Med J [Clin Res]** 1985 Nov 23;291(6507):1457–60
The effects of androgens and gonadotropins on testicular development in the prepubertal rat. Kennedy RI, et al. **Can J Comp Med** 1985 Jul;49(3):333–6
An antifertility dose of gossypol does not affect the hypothalamo-pituitary testis axis of male rats. Wang Y, et al. **Chin Med J [Engl]** 1985 Oct;98(10):713–6
A new non-hormonal antifertility drug DL 111-IT: I. Effects on testes and accessory glands of reproduction in male rats. Prasad RS, et al. **Contraception** 1986 Jan;33(1):79–88
Effect of vinyl chloride on testis in rats. Bi WF, et al. **Ecotoxicol Environ Safety** 1985 Dec;10(3):281–9
The endocrine function of rat gonads with reduced number of germ cells following busulphan treatment. Kasuga F, et al. **Endocrinol Jpn** 1986 Feb;33(1):105–15
Decrease in testicular testosterone synthesis by melatonin-free pineal extract in the rat. Damian E, et al. **Endocrinologie** 1985 Jul–Sep;23(3):151–4
Restoration effects of exogenous luteinizing hormone on the testicular steroidogenesis and Leydig cell ultrastructure. Wing TY, et al. **Endocrinology** 1985 Nov;117(5):1779–87
Effects of di(2-ethylhexyl) phthalate on the gonadal pathophysiology, sperm morphology, and reproductive performance of male rats. Agarwal DK, et al. **Environ Health Perspect** 1986 Mar;65:343–50
Aspects of the testicular toxicity of phthalate esters. Gray TJ, et al. **Environ Health Perspect** 1986 Mar;65:229–35
Age-dependent response of the rat testes to di(2-ethylhexyl) phthalate. Sjöberg P, et al. **Environ Health Perspect** 1986 Mar;65:237–42
Effects of phthalic acid esters (PAEs) on the neonate and aspects of teratogenic actions. Thomas JA, et al. **Environ Health Perspect** 1986 Mar;65:243–8
Chronic gonadal toxicity in patients with testicular cancer after chemotherapy. Kreuser ED, et al. **Eur J Cancer Clin Oncol** 1986 Mar;22(3):289–94
Differential effect of i.p.- and i.v.-injected adriamycin on the clonogenic spermatogonia of murine testis. Moore JV, et al. **Eur J Cancer Clin Oncol** 1985 Aug;21(8):991–4
Ultrastructural study of development of the rat testis. II. After injecting CdCl2. Gáždik T, et al. **Folia Morphol (Praha)** 1985;33(3):218–22
Morphometry of the rat testis in postnatal period. II. After administration of single dose of cadmium chloride. Gaždzik T, et al. **Folia Morphol (Warsz)** 1985;44(1):24–7
Use of quantitative testicular histology to assess the effect of dibromochloropropane (DBCP) on reproduction in rabbits. Foote RH, et al. **Fundam Appl Toxicol** 1986 May; 6(4):638–47
A subchronic dermal exposure study of diethylene glycol monomethyl ether and ethylene glycol monomethyl ether in the male guinea pig. Hobson DW, et al. **Fundam Appl Toxicol** 1986 Feb;6(2):339–48
Interaction between 1,2-dichloroethane and disulfiram. I. Toxicologic effects. Igwe OJ, et al. **Fundam Appl Toxicol** 1986 May;6(4):733–46
Luteinizing hormone-releasing hormone facilitates the display of sexual behavior in male voles (Microtus canicaudus). Boyd SK, et al. **Horm Behav** 1985 Sep; 19(3):252–64
Testicular responsiveness to long-term administration of hCG and hMG in patients with hypogonadotrophic hypogonadism. Okuyama A, et al. **Horm Res** 1986; 23(1):21–30
Effects of inhibitory and stimulatory photoperiods and sexual maturation on the ability of hamster testes to respond to hCG in vitro. Bartke A, et al. **Int J Androl** 1985 Jun; 8(3):232–42
Effects of drug and alcohol abuse upon pituitary-testicular function in adolescent males. Diamond F Jr, et al. **J Adolesc Health Care** 1986 Jan;7(1):28–33
Morphologic and endocrine changes in the reproductive organs in rats implanted with gossypol acetate pellet in the testis. Ahluwalia B, et al. **J Androl** 1986 Jul–Aug; 7(4):254–63
Body growth and testicular characteristics of boars fed a synthetic progestogen, altrenogest. Kluber EF 3d, et al. **J Anim Sci** 1985 Dec;61(6):1441–7
Enhancement of melatonin's antigonadal action by daily injections of the serotonin uptake inhibitor fluoxetine in male hamsters. Olcese JM. **J Neural Transm** 1985; 64(2):151–61
Effects of vitamin E deficiency and non-biological antioxidant (DPPD) on the function of the pituitary-gonadal axis of the rat. Akazawa N, et al. **J Nutr Sci Vitaminol (Tokyo)** 1986 Feb;32(1):41–54
Differential responsiveness of the reproductive system of blind or melatonin-treated male hamsters to injections of gonadotrophin-releasing hormone (GnRH) and/or prolactin. Blask DE, et al. **J Pineal Res** 1984;1(2):149–61
Hormonal steroids indirectly influence insulin binding in rat testis. Abelé V, et al. **J Recept Res** 1985;5(4):219–30
Effects of testosterone on testicular inhibin and fluid production in intact and hypophysectomized adult rats. Au CL, et al. **J Reprod Fertil** 1986 Jan;76(1):257–66
Effects and interactions of LH and LHRH agonist on testicular morphology and function in hypophysectomized rats. Kerr JB, et al. **J Reprod Fertil** 1986 Jan;76(1):175–92
Propranolol inhibits the compensatory increase in androgen secretion after unilateral orchidectomy in rats. Moger WH, et al. **J Reprod Fertil** 1986 Jan;76(1):251–6
Regulation of testicular steroidogenesis by gonadotropin-releasing hormone agonists and antagonists. Huhtaniemi I, et al. **J Steroid Biochem** 1986 Jan; 24(1):169–76
Testicular responsiveness to human chorionic gonadotrophin during transient hypogonadotrophic hypogonadism induced by androgenic/anabolic steroids in power athletes. Martikainen H, et al. **J Steroid Biochem** 1986 Jul; 25(1):109–12
Testicular responsiveness to hCG before and after long-term antiestrogen treatment in oligozoospermic men. Martikainen H, et al. **J Steroid Biochem** 1985 Nov; 23(5A):651–5
Long-term transdermal dihydrotestosterone therapy: effects on pituitary gonadal axis and plasma lipoproteins. Vermeulen A, et al. **Maturitas** 1985 Sep;7(3):281–7
Regulation of primate testicular function by GnRH analogues. Weinbauer GF, et al. **Med Biol** 1986; 63(5–6):210–7
Chemical dosimetry of ethyl nitrosoures in the mouse testis. Sega GA, et al. **Mutat Res** 1986 Jan–Feb;159(1–2):65–74
Lack of DNA-strand breaks in rat testicular cells after in

vivo treatment with sodium fluoride. Skare JA, et al. **Mutat Res** 1986 Apr-May;170(1-2):85-92

Influence of neonatal injection of estradiol and testosterone on hypothalamo-hypophyseal-gonadal interrelationships and fertility in male rats. Baranov VG, et al. **Neurosci Behav Physiol** 1985 Sep-Oct;15(5):404-7

Comparative antidotal effects of diethyldithiocarbamate, dimercaptosuccinate, and diethylenetriaminepentaacetate against cadmium-induced testicular toxicity in mice. Walker EM Jr, et al. **Res Commun Chem Pathol Pharmacol** 1986 Feb; 51(2):231-44

Gonadotrophin induced effects on human testicular morphology. Hammar M, et al. **Scand J Urol Nephrol** 1986; 20(1):35-9

On the effects of oestrogen in the male. Some effects of different oestrogenic substances in rats and men with prostatic carcinoma. Daehlin L. **Scand J Urol Nephrol [Suppl]** 1985;91:1-44

Effects of ketoconazole on rat testicular steroidogenic enzymatic activities. Malozowski S, et al. **Steroids** 1985 Jul;46(1):659-63

Effect of in vitro ketoconazole on steroid production in rat testis. Rajfer J, et al. **Steroids** 1985 Oct-Nov;46(4-5):867-81

Inhibition of reduction in the testicular weight by WR-2721 in relation to the body weight after whole-body gamma irradiation. Bhartiya HC, et al. **Strahlenther Onkol** 1986 Jan;162(1):68-70

Influence of dietary zinc on di(2-ethylhexyl)phthalate-induced testicular atrophy and zinc depletion in adult rats. Agarwal DK, et al. **Toxicol Appl Pharmacol** 1986 Jun 15;84(1):12-24

Initial and residual toxicity following acute exposure of developing male rats to dibromochloropropane. Kluwe WM, et al. **Toxicol Appl Pharmacol** 1985 Jun 15;79(1):54-68

Inhibition of 3 beta-hydroxy-delta 5-steroid dehydrogenase in rat testicular tissue by mercuric chloride. Chowdhury AR, et al. **Toxicol Lett** 1985 Sep;27(1-3):45-9

Testicular toxicity of 2-methoxyacetaldehyde, a possible metabolite of ethylene glycol monomethyl ether, in the rat. Foster PM, et al. **Toxicol Lett** 1986 Jul-Aug; 32(1-2):73-80

Changes in serum lactate dehydrogenase isozyme-X activity observed after cadmium administration. Itoh R, et al. **Toxicol Lett** 1985 Nov;28(2-3):151-4

Testicular degeneration and necrosis induced by dietary cobalt. Corner DE, et al. **Vet Pathol** 1985 Nov;22(6):610-6

[Morphokinetic effect of chlormadinone acetate on the testes of pre- and intrapuberal rats. I. Morphometric studies of testis development] Hünigen H, et al. **Z Mikrosk Anat Forsch** 1985;99(3):398-407 (Eng. Abstr.) **(Ger)**

[Morphokinetic effect of chlormadinone acetate on the testes of pre- and intrapuberal rats. II. Morphometric studies of the androgen-producing testicular cells] Hünigen H, et al. **Z Mikrosk Anat Forsch** 1985;99(3):408-14 (Eng. Abstr.) **(Ger)**

[Further observations on the effects of deferoxamine (Desferal, Ciba) on the testicular parenchyma and epididymis of the rat] Palmieri G, et al. **Arch Ital Anat Embriol** 1985 Jul-Sep;90(3):147-57 (Eng. Abstr.) **(Ita)**

[New data from a study of the gonadotoxic action of mercury and barium] Butenko PG. **Gig Sanit** 1986 Apr;(4):81-2 **(Rus)**

[Experimental study of the gonadotoxic action of 1-phenyl-4-amino-5-chloropyridazole-6] Pastushenko TV. **Gig Sanit** 1985 Aug;(8):88-9 **(Rus)**

[Brain monoamines and the hypophyseo-gonadal system of adult rats after the androgenization of their mothers during pregnancy] Naumenko EV, et al. **Ontogenez** 1986 May-Jun; 17(3):285-92 (Eng. Abstr.) **(Rus)**

[Effect of adrenocorticotropic hormone on the secretory activity of the gonads and adrenals of male hamadryas baboons] Goncharov NP, et al. **Probl Endokrinol (Mosk)** 1986 Jan-Feb;32(1):60-3 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Morphologic analysis of spontaneous teratocarcinogenesis in developing testes of strain 129/Sv-ter mice. Rivers EN, et al. **Am J Pathol** 1986 Aug;124(2):263-80

Origin of the somatic components in chick embryonic gonads. Carlon N, et al. **Arch Anat Microsc Morphol Exp** 1985; 74(1):52-9

Initiation of production of anti-müllerian hormone by the fetal gonad. Josso N, et al. **Arch Anat Microsc Morphol Exp** 1985;74(1):96-100

The initial stages of testicular differentiation in the rabbit fetus. Jost A, et al. **Arch Anat Microsc Morphol Exp** 1985; 74(1):69-75

Organogenesis and endocrine cytodifferentiation of the testis. Jost A. **Arch Anat Microsc Morphol Exp** 1985;74(1):101-2

Initial stages of gonadal development. Theories and methods. Jost A. **Arch Anat Microsc Morphol Exp** 1985;74(1):39-41

Sexual differentiation of the pig gonad. Pelliniemi LJ. **Arch Anat Microsc Morphol Exp** 1985;74(1):76-80

Steroidogenesis and gonadal differentiation in the fetal pig. Raeside JI. **Arch Anat Microsc Morphol Exp** 1985; 74(1):87-90

Origin of gonadal blastemal cells in mammalian gonadogenesis. Wartenberg H. **Arch Anat Microsc Morphol Exp** 1985;74(1):60-3

Requirement of serum components for the preservation of primordial germ cells in testis cords during early stages of testicular differentiation in vitro in the mouse. Taketo T, et al. **Biol Reprod** 1986 Jun;34(5):919-24

Cell-to-cell electrical coupling in seminiferous cords of mouse fetal testis. De Felici M, et al. **Cell Biol Int Rep** 1985 Sep;9(9):825-32

Characterization of alkaline phosphatase from primordial germ cells and ontogenesis of this enzyme in the mouse. Merchant-Larios H, et al. **Differentiation** 1985;29(2):145-51

Beta-adrenergic stimulation of androgen production by fetal mouse Leydig cells in primary culture. Pointis G, et al. **Experientia** 1986 Jun 15;42(6):617-9

Early sex differences in hormonal potentialities of gonads from quail embryos with a sex-linked pigmentation marker: an in vitro radioimmunoassay study. Scheib D, et al. **Gen Comp Endocrinol** 1985 Nov;60(2):266-72

Relationships between plasma progesterone levels and testicular testosterone production in the rat fetus: effects of maternal ovariectomy. Habert R, et al. **J Endocrinol** 1986 Mar;108(3):361-7

Effect of stress administered during pregnancy on the development of fetal testes and their subsequent function in the adult rat. Pollard I, et al. **J Endocrinol** 1985 Nov; 107(2):241-5

Testicular feminization: a model for testicular descent in mice and men. Hutson JM. **J Pediatr Surg** 1986 Mar;21(3):195-8

Hyperplasia and hypertrophy of the gubernaculum during testicular descent in the fetus. Heyns CF, et al. **J Urol** 1986 May;135(5):1043-7

Differentiation of mammalian embryonic gonad. Byskov AG. **Physiol Rev** 1986 Jan;66(1):71-117 (414 ref.)

Temperature and estrogen dependent changes of sex phenotype and H-Y antigen expression in gonads of a newt. Zaborski P. **Prog Clin Biol Res** 1986;217A:163-9

[Sertoli cell differentiation and testicular morphogenesis in the rat fetus] Magre S. **Arch Anat Microsc Morphol Exp** 1985;74(1):64-8 **(Fre)**

[Initial stages of steroidogenesis in mammalian gonads] Picon R. **Arch Anat Microsc Morphol Exp** 1985;74(1):81-6 **(Fre)**

[Initial stages of the formation of the genital organs in reptiles] Raynaud A, et al. **Arch Anat Microsc Morphol Exp** 1985;74(1):42-9 **(Fre)**

[Precocious hormonal capacities and gonadal differentiation in the quail] Reyss-Brion M, et al. **Arch Anat Microsc Morphol Exp** 1985;74(1):91-5 **(Fre)**

[Effect of an analog of proline (L-azetidine-2-carboxylic acid) on in vitro differentiation of the rat fetal testis] Jost A, et al. **C R Acad Sci [III]** 1985;301(5):225-32 (Eng. Abstr.) **(Fre)**

[Early differentiation of supporting cells of the convoluted seminiferous tubules in man (ultrastructural manifestations)] Kozhukhar' VG, et al. **Arkh Anat Gistol Embriol** 1985 Oct; 89(10):93-9 (Eng. Abstr.) **(Rus)**

[Problems in the early differentiation of mammalian gonads (embryonic histogenesis and mechanisms of regulation)] Nikitin AI. **Arkh Anat Gistol Embriol** 1985 Aug;89(8):5-17 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Evaluation of localization and intensity of the reactions of succinic dehydrogenase, NADH tetrazole reductase and lactate dehydrogenase in developing rat testis. I. Physiological conditions. Gaździk T, et al. **Acta Histochem (Jena)** 1986;78(1):1-6

Evaluation of localization and intensity of the reactions of succinic dehydrogenase, NADH tetrazole reductase, and lactate dehydrogenase in developing rat testis. II: After cadmium chloride treatment. Gaździk T, et al. **Acta Histochem (Jena)** 1986;78(2):179-84

Characterization of rat testicular alcohol dehydrogenase. Chiao YB, et al. **Alcohol Alcohol** 1986;21(1):9-15

Assay system for simultaneous measurement of three steroidogenic enzyme activities in rat and human testis—effect of human chorionic gonadotropin. Sikka SC, et al. **Anal Biochem** 1985 Aug 15;149(1):72-86

Ultracytochemical and biochemical evidence for guanylate cyclase in guinea pig testis. Pascolini R, et al. **Anat Rec** 1985 Jul;212(3):277-81

In vitro conversion of progesterone in the human testis at different ages, pathophysiological conditions, and during treatment with estrogens or gonadotrophic hormones. Hammar M, et al. **Arch Androl** 1985;14(2-3):143-9

Physicochemical properties of the soluble Mn2+-dependent adenylate cyclase in the blue fox testis. Smith AJ, et al. **Arch Androl** 1985;15(1):53-7

Membrane-bound adenylate cyclase activity in the testis of the blue fox. Smith AJ, et al. **Arch Androl** 1985;14(1):35-43

Increased rat testicular heme oxygenase activity associated with depressed microsomal heme and cytochrome P-450 levels after repeated administration of human chorionic gonadotropin. Sadler EM, et al. **Arch Biochem Biophys** 1986 Sep;249(2):382-7

Organ-specific human alcohol dehydrogenase: isolation and characterization of isozymes from testis. Dafeldecker WP, et al. **Biochem Biophys Res Commun** 1986 Feb 13; 134(3):1056-63

Transforming growth factor is a potent stimulator of testicular ornithine decarboxylase in immature mouse. Nakhla AM, et al. **Biochem Biophys Res Commun** 1985 Nov 15;132(3):1180-6

A postmeiotically expressed clone encodes lactate dehydrogenase isozyme X. Tanaka S, et al. **Biochem Biophys Res Commun** 1986 Apr 29;136(2):760-6

Testicular lipogenic enzymes—direct effects of dexamethasone in vivo. Valivullah HM, et al. **Biochem Biophys Res Commun** 1985 Sep 16;131(2):726-30

Desensitization of testicular ornithine decarboxylase to gonadotropin releasing hormone and gonadotropic hormones. Madhubala R, et al. **Biochem Int** 1985 Aug; 11(2):225-32

Stimulation of testicular ornithine decarboxylase activity by arginine vasopressin. Reddy BV, et al. **Biochem Int** 1986 Jul;13(1):109-14

Acidic glutathione S-transferases of rat testis. Boyer TD, et al. **Biochem J** 1985 Aug 15;230(1):125-32

Deficiency in the regulation of testicular galactolipid sulphotransferase in rats carrying the growth-and-reproduction-complex (grc) gene. Lingwood C, et al. **Biochem J** 1985 Oct 15;231(2):401-5

Developmental regulation of galactoglycerolipid and galactosphingolipid sulphation during mammalian spermatogenesis. Evidence for a substrate-selective inhibitor of testicular sulphotransferase activity in the rat. Lingwood CA. **Biochem J** 1985 Oct 15;231(2):393-400

Purification and properties of poly(ADPribose) synthetase from sheep testis. Zhang J, et al. **Biochim Biophys Acta** 1986 Jun 3;882(1):127-32

Dolichol kinase activity in the developing rat testis. Berkowitz L, et al. **Biol Reprod** 1986 Apr;34(3):518-26

Prolactin involvement in regulation of testicular 5 alpha-reductase activity in the immature rat. Chase DJ, et al. **Biol Reprod** 1985 Oct;33(3):637-43

Transglutaminase activity in testicular homogenates and serum-free Sertoli cell cultures. Dias JA. **Biol Reprod** 1985 Nov;33(4):835-43

Location of enzymes of androgen and estrogen biosynthesis in the testis of the ground squirrel (Citellus lateralis). Pudney J, et al. **Biol Reprod** 1985 Nov;33(4):971-80

Localization of ornithine decarboxylase in rat testicular cells and epididymal spermatozoa. Qian ZU, et al. **Biol Reprod** 1985 Dec;33(5):1189-95

Acid phosphatases in germinal and somatic cells of the testes. Vanha-Perttula T, et al. **Biol Reprod** 1986 Aug;35(1):1-9

Localization of the antigotensin-converting enzyme activity in testis and epididymis. Vanha-Perttula T, et al. **Biol Reprod** 1985 Nov;33(4):870-7

A new non-hormonal antifertility drug DL 111-IT: II. Effects on testicular hyaluronidase activity in male rats. Prasad RS, et al. **Contraception** 1986 Jan;33(1):89-99

NADPH-cytochrome P-450 reductase from untreated rat testicular and liver microsomes: isolation and comparison. Hales DB, et al. **Endocrinology** 1986 Aug;119(2):811-8

gamma-Endorphin-generating endopeptidase: distribution in body tissues and cellular localization in rat testis. Lebouille JL, et al. **Endocrinology** 1986 Jan;118(1):372-6

Stimulatory effect of prolactin on luteinizing hormone-induced testicular 5 alpha-reductase activity in hypophysectomized adult rats. Takeyama M, et al. **Endocrinology** 1986 Jun;118(6):2268-75

Absence of testicular steroid sulphatase activity in a boy with recessive X-linked ichthyosis and testicular maldescent. Lykkesfeldt G, et al. **Eur J Pediatr** 1985 Sep;144(3):273-4

Increased plasminogen activator enzymes of the tunica vaginalis in long-standing idiopathic hydrocele. Merlo G, et al. **Eur Urol** 1986;12(2):131-3

Local synthesis of plasminogen by the seminiferous tubules of the testis. Saksela O, et al. **FEBS Lett** 1986 Aug 18; 204(2):193-7

Comparative studies on arylsulphatases from fowl testes and seminal plasma. Droba M. **Folia Biol (Krakow)** 1986; 34(1):55-72

Mg2+-ATPase activity in the rat testis and its correlation with the stages of spermatogenesis: a histochemical study. Hettwer H, et al. **Histochem J** 1985 Dec;17(12):1299-308

Immunocytochemical localization of aromatase in rat testis. Kurosumi M, et al. **Histochemistry** 1985;83(5):401-4

Ultrastructural localisation of alkaline phosphatase in the testis of domestic fowl. Gunawardana VK. **J Anat** 1985 Jun;140 (Pt 4):711-8

Inhibition of LDH-X by gossypol optical isomers. Kim IC, et al. **J Androl** 1985 Nov-Dec;6(6):344-7

Evidence for involvement of cytochrome P-450-linked oxygenase system in the conversion of C21-steroids to delta 16-C19-steroids catalyzed by pig testicular microsomes. Nakajin S, et al. **J Biochem (Tokyo)** 1985 Sep;98(3):615-20

Deoxyhypusine hydroxylase from rat testis. Partial purification and characterization. Abbruzzese A, et al. **J Biol Chem** 1986 Mar 5;261(7):3085-9

Protein kinase-mediated activation of temperature-labile and temperature-stable cholesteryl ester hydrolases in the rat testis. Bailey ML, et al. **J Biol Chem** 1986 Jun 15; 261(17):7717-22

Purification and characterization of the major constitutive form of testicular heme oxygenase. The noninducible isoform. Trakshel GM, et al. **J Biol Chem** 1986 Aug 25; 261(24):11131-7

Role of electron transport in the regulation of the lyase activity of C21 side-chain cleavage P-450 from porcine adrenal and testicular microsomes. Yanagibashi K, et al. **J Biol Chem** 1986 Jun 25;261(18):8429-33

Immunohistochemical localization of two angiotensin

I-converting isoenzymes in the reproductive tract of the male rabbit. Berg T, et al. **J Histochem Cytochem** 1986 Jun;34(6):753–60

Changes in germ cell adenylate cyclase and protein carboxyl methylase activities in rat testicular tissue during bilateral cryptorchidism and after orchidopexy. Jahnsen T, et al. **J Reprod Fertil** 1986 Jul;77(2):317–20

Inhibition of testicular LDH-X from laboratory animals and man by gossypol and its isomers. Morris ID, et al. **J Reprod Fertil** 1986 Jul;77(2):607–12

Cyclic nucleotide phosphodiesterases in somatic and germ cells of mouse seminiferous tubules. Rossi P, et al. **J Reprod Fertil** 1985 Jul;74(2):317–27

Acute effect of human chorionic gonadotropin (hCG) on 17 alpha-hydroxylase and C17,20-lyase activity in neonatal or prepubertal rat testis. Cheng HC. **J Steroid Biochem** 1986 May;24(5):1061–7

Purification of NADPH-cytochrome P-450 reductase from microsomal fraction of rat testes, and its chemical modification by tetranitromethane. Inano H, et al. **J Steroid Biochem** 1986 Jul;25(1):21–8

Inhibition of steroidogenic cytochrome P-450 enzymes in rat testis by ketoconazole and related imidazole anti-fungal drugs. Kan PB, et al. **J Steroid Biochem** 1985 Dec; 23(6A):1023–9

Studies of the human testis. XX—Effect of NADH on 17 alpha-hydroxypregnene C17-20 lyase activity. Kinoshita Y, et al. **J Steroid Biochem** 1985 Oct;23(4):491–5

Hyperprolactinemia enhances LH-stimulated 4-ene-5 alpha-reductase activity but inhibits LH-induced 17-hydroxylase activity in testes of hypophysectomized immature rats. Nagareda T, et al. **J Steroid Biochem** 1986 Jun;24(6):1199–204

Rat testis 17 beta-estradiol: identification by gas chromatography-mass spectrometry and age related cellular distribution. Papadopoulos V, et al. **J Steroid Biochem** 1986 Jun;24(6):1211–6

Purification and characterization of 20 alpha-hydroxysteroid dehydrogenase from bull testis. Pineda JA, et al. **J Steroid Biochem** 1985 Dec;23(6A):1001–6

Effects of chronic administration of LH releasing hormone on age-dependent activities of testicular 4-ene-5 alpha-reductase and 17 beta-ol-dehydrogenase in mice. Takeyama M, et al. **J Steroid Biochem** 1986 May; 24(5):1095–6

High activity of 17 alpha-oxidoreductase in neonatally grafted mouse testes in adult female mice. Takeyama M, et al. **J Steroid Biochem** 1986 Jul;25(1):121–5

HPLC measurement of testicular long chain acyl-CoA synthetases with different substrate specificities. Grogan WM, et al. **Lipids** 1986 Jan;21(1):11–6

Glutathione transferase from rat testis. Guthenberg C, et al. **Methods Enzymol** 1985;113:507–10

Degradation of luteinizing hormone-releasing hormone (LHRH) and an LHRH agonist by the rat testis. Hedger MP, et al. **Mol Cell Endocrinol** 1986 Jun;46(1):59–70

Inhibitory effects of various 3'-deoxyribonucleotides on DNA polymerase alpha 2-primase from developing cherry salmon (Oncorhynchus masou) testes. Izuta S, et al. **Nucleic Acids Symp Ser** 1985;(16):241–4

Properties of an LH-stimulable adenylate cyclase in plasma membranes of interstitial cells from rat testis. Saltarelli D, et al. **Reprod Nutr Dev** 1986;26(2A):487–501

Effect of aging on testicular epoxide hydrolase and glutathione-S-transferase activities in mice. Kaur S, et al. **Toxicol Lett** 1986 Feb;30(2):113–20

[Comparison of two kinds of steroid-C17,20 lyase (delta 16-C19-steroid synthetase and 17 alpha-hydroxylase/lyase) activities in pig testicular microsomes] Nakajin S, et al. **Yakugaku Zasshi** 1985 Jul; 105(7):677–84 (Eng. Abstr.) **(Jpn)**

[Pathway of biosynthesis of androstadienone (delta 16-C19-steroid) from pregnenolone catalyzed by pig testicular microsomes] Takahashi M, et al. **Yakugaku Zasshi** 1986 Apr;106(4):343–6 (Eng. Abstr.) **(Jpn)**

[Effect of testicular lidase and streptococcal hyaluronidase on bone resorption of the alveolar process in experimental periodontal diseases] Kardashchuk ND. **Stomatologiia (Mosk)** 1985 Sep-Oct;64(5):13–6 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Evolution of localization of the reactions of adenosine triphosphatase (Mg++-ATP-ase), 5'nucleotidase (5'nt), alkaline phosphatase (AP), and acid phosphatase (AcP) in developing rat testis. I. Physiological conditions. Gaździk T, et al. **Acta Histochem (Jena)** 1986;79(2):199–204

Influence of the neonatal (clomiphene) inhibition of estradiol imprinting on gonadal development and gonadal and thyroid hormone production later in life. Csaba G, et al. **Acta Physiol Hung** 1986;67(3):343–7

Investigation of gonadotropin-thyrotropin overlapping and hormonal imprinting in the rat testis. Dobozy O, et al. **Acta Physiol Hung** 1985;66(2):169–75

Testicular descent in the rat and a comparison of this process in the rat with that in the pig. Wensing CJ. **Anat Rec** 1986 Feb;214(2):154–60

The effect of neonatal vasectomy on testicular function. Gerendai I, et al. **Andrologia** 1986 Jul-Aug;18(4):353–9

Growth, testicular development and sperm output in the dog from birth to post pubertal period. Mialot JP, et al. **Andrologia** 1985 Sep-Oct;17(5):450–60

Endocrine control of mammalian testicular ontogenesis. Courot M, et al. **Arch Biol Med Exp (Santiago)** 1984 Dec; 17(3-4):249–55

Measurement of inhibin and an index of inhibin production by rat testes during postnatal development. Au CL, et al. **Biol Reprod** 1986 Aug;35(1):37–43

Effect of photoperiod and melatonin on testis development and regression in wild European rabbits (Oryctolagus cuniculus). Boyd IL. **Biol Reprod** 1985 Aug;33(1):21–9

Mouse testicular and sperm cell development characterized from birth to adulthood by dual parameter flow cytometry. Janca FC, et al. **Biol Reprod** 1986 May;34(4):613–23

A quantitative study of Sertoli cell and germ cell populations as related to sexual development and aging in the stallion. Jones LS, et al. **Biol Reprod** 1986 Aug;35(1):138–48

Changes in Leydig cell ultrastructure and function during pubertal development in the boar. Lunstra DD, et al. **Biol Reprod** 1986 Feb;34(1):145–58

Rat testicular dolichols: distribution and accumulation with age. Nyquist SE, et al. **Biol Reprod** 1986 Feb;34(1):89–95

Maternal influence on activity rhythms and reproductive development in Djungarian hamster pups. Pratt BL, et al. **Biol Reprod** 1986 May;34(4):655–63

Maternal transfer of photoperiodic information influences the photoperiodic response of prepubertal Djungarian hamsters (Phodopus sungorus sungorus). Stetson MH, et al. **Biol Reprod** 1986 May;34(4):664–9

The effect of prenatal treatment with busulfan on in vitro androgen production by testes from rats of various ages. Jansz GF, et al. **Can J Physiol Pharmacol** 1985 Sep; 63(9):1155–8

Sexual maturation in the black seabream, Mylio macrocephalus Teleostei, Sparidae: changes in pituitary gonadotropes, hepatocytes and related biochemical constituents in liver and serum. Ng TB, et al. **Cell Tissue Res** 1986;245(1):207–13

Formation of the blood-testis barrier in the rabbit. Sun EL, et al. **Cell Tissue Res** 1986;243(3):575–8

The influence of social cues on the reproductive endocrinology of male brown-headed cowbirds: field and laboratory studies. Dufty AM Jr, et al. **Horm Behav** 1986 Jun;20(2):222–34

Effects of neonatal estrogen administration on rat testis development with particular reference to Sertoli cells. Gaytan F, et al. **J Androl** 1986 Mar-Apr;7(2):112–21

Active immunization of prepubertal boars against testosterone: testicular and endocrine responses at 14 months of age. Thompson DL Jr, et al. **J Anim Sci** 1985 Dec;61(6):1498–504

Genetic variation in testicular development and its relationship to female reproductive traits in swine. Young LD, et al. **J Anim Sci** 1986 Jul;63(1):17–26

Hormonal responses to gonadotrophin releasing hormone during testicular development in male African green monkeys. Brady AG, et al. **J Med Primatol** 1985; 14(6):293–304

Neuroendocrine changes characteristic of sexual maturation. Sizonenko PC, et al. **J Neural Transm [Suppl]** 1986; 21:159–81

The significance of postnatal gonadotropin surge for testicular development in normal and cryptorchid testes. Hadžiselimović F, et al. **J Urol** 1986 Jul;136(1 Pt 2):274–6

Effect of short and long photoperiods on pineal N-acetyltransferase rhythm and on growth of testes and brown adipose tissue in developing rats. Vaněček J, et al. **Neuroendocrinology** 1985 Sep;41(3):186–91

Implantation of normal fetal preoptic area into hypogonadal mutant mice: temporal relationships of the growth of gonadotropin-releasing hormone neurons and the development of the pituitary/testicular axis. Silverman AJ, et al. **Neuroscience** 1985 Sep;16(1):69–84

Age-related variations in seminiferous tubule dimensions and germinal and Sertoli cell numbers in guinea-fowl raised under a 14L:10D photoperiod. Brillard JP. **Poult Sci** 1986 Feb;65(2):369–74

The histological changes in the testis, epididymis and prostate gland of the red-bellied tree squirrel, Callosciurus erythraeus, during the growth and reproductive cycle. T'sui WH, et al. **Proc Natl Sci Counc Repub China [B]** 1985 Jul;9(3):220–9

IMMUNOLOGY

Spermatogenic disturbance induced in mice by combined local injection of monoclonal antibodies to Sertoli cell and to basal lamina of seminiferous tubule. Ichinohasama R, et al. **Am J Reprod Immunol Microbiol** 1986 Apr; 10(4):158–65

Reaction of the chromatoid body with a monoclonal antibody to a rat histocompatibility antigen. Head JR, et al. **Biol Reprod** 1985 Nov;33(4):1001–8

Role of autoantibodies in the autoimmune response to testis in rainbow trout (Salmo gairdneri). Secombes CJ, et al. **Immunology** 1985 Nov;56(3):409–15

The identification of candidate antigens for the development of birth control vaccines. An international multi-centre study on antibodies to reproductive tract antigens, using clinically defined sera. Hjort T, et al. **J Reprod Immunol** 1985 Dec;8(4):271–8

An overview of the WHO international multi-centre study on antibodies to reproductive tract antigens in clinically defined sera. Hjort T, et al. **J Reprod Immunol** 1985 Dec; 8(4):359–62

Antibodies to microbial, leukocyte and organ antigens. Mathur S, et al. **J Reprod Immunol** 1985 Dec;8(4):353–8

Characterization of the fertilization antigen 1 for the development of a contraceptive vaccine. Naz RK, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(15):5713–7

INJURIES

Trauma and testis cancer. Bouffioux C. **Prog Clin Biol Res** 1985;203:161–5

[Testicular trauma and its significance for male fertility] Köller A, et al. **Z Urol Nephrol** 1985 Aug;78(8):429–32 (Eng. Abstr.) **(Ger)**

[Closed testicular injuries in blunt trauma of the scrotum] Fedorchenko PM, et al. **Klin Khir** 1985;(12):26–8 (Eng. Abstr.) **(Rus)**

INNERVATION

Evaluation of the frequency of stages VII-VIII and XIV of the tubular cycle of adult rats, 30 d after phenolization of the spermatic cord. Response to chronic administration of hCG. Carvalho TL, et al. **Anat Anz** 1985;159(1-5):33–41

Gonadal denervation [letter] VerVoort SM. **Arch Phys Med Rehabil** 1986 Apr;67(4):274, 273

Short-term effects of vasoligation upon plasma follicle-stimulating hormone, luteinizing hormone, and prolactin in the adult rat: further evidence for a direct neural connection between the testes and the central nervous system. Preslock JP, et al. **Biol Reprod** 1985 Dec; 33(5):1120–5

Responses of spinal cord neurones to noxious and non-noxious stimulation of the skin and testicle of the rat. Kanui TI. **Neurosci Lett** 1985 Aug 5;58(3):315–9

Pharmacological and histological evidence for adrenergic innervation of the myoid cells in the rat seminiferous tubule. Miyake K, et al. **Tohoku J Exp Med** 1986 May;149(1):79–87

METABOLISM

Testicular gonadotrophins and their receptors in human cryptorchidism as revealed by immunohistochemistry and radioreceptor assay. Hovatta O, et al. **Acta Endocrinol (Copenh)** 1986 Jan;111(1):128–32

Testicular plasminogen activators during postnatal development in the rat. Vihko KK, et al. **Acta Endocrinol (Copenh)** 1986 Jul;112(3):431–5

Comparison of lectin-staining pattern in testis and epididymis of gerbil, guinea pig, mouse, and nutria. Arya M, et al. **Am J Anat** 1986 Apr;175(4):449–69

Characterization of the proteoglycans synthesized by rabbit testis in response to infection by Treponema pallidum. Strugnell RA, et al. **Am J Pathol** 1986 Aug;124(2):216–25

Specific binding of 125I-labeled human chorionic gonadotropin to gonadal tissue: comparison of limited-point saturation analyses to Scatchard analyses for determining binding capacities and factors affecting estimates of binding capacity. Spicer LJ, et al. **Anal Biochem** 1986 Jul;156(1):25–30

Distribution of actin in Sertoli cell ectoplasmic specializations and associated spermatids in the ground squirrel testis. Vogl AW, et al. **Anat Rec** 1986 Aug;215(4):331–41

Distribution of actin in isolated seminiferous epithelia and denuded tubule walls of the rat. Vogl AW, et al. **Anat Rec** 1985 Sep;213(1):63–71

Testicular steroid response to continuous and pulsatile intravenous luteinizing hormone-releasing hormone administration in normal men. Fauser BC, et al. **Andrologia** 1986 Jan-Feb;18(1):89–96

Testosterone production in vitro in human testicular tissue. Hammar M, et al. **Andrologia** 1986 Mar-Apr;18(2):196–200

Effect of streptozotocin-induced diabetes on insulin binding parameters in adult rat testis. Tremblay RR, et al. **Andrologia** 1985 Nov-Dec;17(6):587–91

Effect of thiourea on the testicular steroidogenesis and secondary sexual characters of a tropical freshwater fish, Mystus (M) vittatus (Bloch). Miara M, et al. **Ann Endocrinol (Paris)** 1985;46(6):421–5

Metabolism of all-trans-[11-3H]retinyl acetate in the testes of young rats. Chaudhary LR, et al. **Ann Nutr Metab** 1986; 30(1):1–8

Inhibition of testicular androgen biosynthesis by chronic administration of a potent LHRH agonist in adult men. Faure N, et al. **Arch Androl** 1985;14(2-3):95–106

In vitro metabolism of 3H-pregnenolone and 3H-progesterone by adult and prepubertal human testicular tissue before and during gonadotrophic treatment. Hammar M, et al. **Arch Androl** 1985;14(1):21–8

Properties and regulation of GnRH receptors in the anterior pituitary and the testis of the rat: different response of Leydig cell LH and GnRH receptors to hormonal treatments. Jegou B, et al. **Arch Androl** 1985;14(2-3):161–70

Phosphorus-31 and proton NMR analysis of reproductive organs of male rats. Navon G, et al. **Arch Androl** 1985; 15(2-3):153–7

Autoradiographical localization of luteinizing hormone releasing hormone (LHRH) receptors on rat testicular intertubular cells fractionated on Percoll density gradients. Hedger MP, et al. **Aust J Biol Sci** 1985;38(4):435–44

Properties of cadmium-binding proteins in rat testes. Characteristics unlike metallothionein. Deagen JT, et al. **Biochem J** 1985 Oct 15;231(2):279–83

Epoxide hydrolysis in the cytosol of rat liver, kidney, and

testis. Measurement in the presence of glutathione and the effect of dietary clofibrate. Moody DE, et al. **Biochem Pharmacol** 1986 Jul 1;35(13):2073–80

Localization of a felodipine (dihydropyridine) binding site on calmodulin. Johnson JD, et al. **Biochemistry** 1986 Apr 22;25(8):2226–31

Inhibition of iodine–125–labeled human follitropin binding to testicular receptor by epidermal growth factor and synthetic peptides. Sluss PM, et al. **Biochemistry** 1986 May 6;25(9):2644–9

Effects of ethanol on steroid profiles in the rat testis. Andersson SH, et al. **Biochim Biophys Acta** 1986 Apr 15; 876(2):352–7

Effects of chronic ethanol ingestion on steroid profiles in the rat testis. Andersson SH, et al. **Biochim Biophys Acta** 1986 Apr 15;876(2):358–62

Role of thyroid on testicular lipids in prepubertal, pubertal and adult rats. I. Hyperthyroidism. Aruldhas MM, et al. **Biochim Biophys Acta** 1986 May 2;881(3):462–9

Major contribution of epididymis to alpha–glucosidase content of ram seminal plasma. Besançon J, et al. **Biol Reprod** 1985 Sep;33(2):296–301

A specific and saturable spermine–binding component present in bovine testis membranes. Blionas KX, et al. **Biol Reprod** 1986 Jun;34(5):841–8

Estimation of glutathione in purified populations of mouse testis germ cells. Grosshans K, et al. **Biol Reprod** 1985 Dec; 33(5):1197–205

Content of K+ and Na+ in seminiferous tubule and rete testis fluids from Sertoli cell–enriched testes. Muffly KE, et al. **Biol Reprod** 1985 Dec;33(5):1245–51

Energy metabolism of cultured TM4 cells and the action of gossypol. Reyes J, et al. **Biol Reprod** 1986 Jun; 34(5):809–19

Newly synthesized proteins in seminiferous intertubular and intratubular compartments of the rat testis. Shabanowitz RB, et al. **Biol Reprod** 1986 Aug;35(1):179–90

Follicle stimulating hormone binding inhibitor produced by the bacteria Serratia interacts with receptor for follicle stimulating hormone in calf testis membranes. Sluss PM, et al. **Biol Reprod** 1985 Nov;33(4):925–33

Direct biphasic modulation of gonadotropin–stimulated testicular androgen biosynthesis by prolactin. Welsh TH Jr, et al. **Biol Reprod** 1986 Jun;34(5):796–804

Post–meiotic transcription of phosphoglycerate–kinase 2 in mouse testes. Erickson RP, et al. **Biosci Rep** 1985 Dec; 5(12):1087–91

Intracellular pathways of endocytosed transferrin and non–specific tracers in epithelial cells lining the rete testis of the rat. Morales C, et al. **Cell Tissue Res** 1986; 245(2):323–30

A comparison of the differential accumulation of cadmium in the tissues of three species of freshwater fish, Salmo gairdneri, Rutilus rutilus and Noemacheilus barbatulus. Brown MW, et al. **Comp Biochem Physiol [C]** 1986; 84(2):213–7

The in vivo effect of gossypol on macromolecular synthesis in rat testis. Kainz P, et al. **Contraception** 1985 Dec; 32(6):661–9

Carbohydrate metabolism and the temporal occurrence of a serotonin–like indole in the male and female reproductive tract and its relationship with PGF and infertility: a review. van der Horst CJ. **Cytobios** 1986;45(181):85–95 (61 ref.)

Isolation of a mouse cDNA coding for a developmentally regulated, testis–specific transcript containing homeo box homology. Wolgemuth DJ, et al. **EMBO J** 1986 Jun; 5(6):1229–35

Influence of cholesterol and unsaturated fatty acids on [125I]hCG binding to rat testicular membranes. Kolena J, et al. **Endocrinol Exp (Bratisl)** 1985 Dec;19(4):195–203

Expression and regulation of proopiomelanocortin–like gene in the ovary and placenta: comparison with the testis. Chen CL, et al. **Endocrinology** 1986 Jun;118(6):2382–9

Suppression of the intratesticular testosterone is associated with quantitative changes in spermatogonial populations in intact adult rats. Huang HF, et al. **Endocrinology** 1986 Feb;118(2):619–27

Nicotinic cholinergic agonists inhibit androgen biosynthesis by cultured rat testicular cells. Kasson BG, et al. **Endocrinology** 1985 Nov;117(5):1874–80

Prolactin (PRL), follicle–stimulating hormone, and luteinizing hormone are regulators of testicular PRL receptors in golden hamsters. Klemcke HG, et al. **Endocrinology** 1986 Feb;118(2):773–82

Tissue and species specificity of unmasked nuclear acceptor sites for the estrogen receptor of Squalus testes. Ruh MF, et al. **Endocrinology** 1986 Feb;118(2):811–8

Developmental changes in the binding of follicle–stimulating hormone (FSH) to testicular preparations of mice and the effects of hypophysectomy and administration of FSH on the binding. Tsutsui K, et al. **Endocrinology** 1985 Dec; 117(6):2534–43

Proopiomelanocortin–derived peptides in testicular interstitial fluid: characterization and changes in secretion after human chorionic gonadotropin or luteinizing hormone–releasing hormone analog treatment. Valenca MM, et al. **Endocrinology** 1986 Jan;118(1):32–7

Atrial natriuretic factor stimulates testosterone production by mouse interstitial cells. Bex F, et al. **Eur J Pharmacol** 1985 Sep 10;115(1):125–6

Evidence for haploid expression of mouse testicular genes. Hecht NB, et al. **Exp Cell Res** 1986 May;164(1):183–90

Down–regulation of testicular follicle–stimulating hormone receptors by human menopausal gonadotropin in infertile men. Namiki M, et al. **Fertil Steril** 1985 Nov;44(5):710–2

Steroid metabolism in the testes of the African catfish, Clarias gariepinus (Burchell), during spawning season, under natural conditions and kept in ponds. Schoonen WG, et al. **Gen Comp Endocrinol** 1986 Jan;61(1):40–52

Specific gonadotrophin binding sites in the bullfrog testis. Takada K, et al. **Gen Comp Endocrinol** 1986 Feb; 61(2):302–12

Gonadal retention and localization of 241Am in orally exposed swine. Eisele GR, et al. **Health Phys** 1985 Dec; 49(6):1276–9

Effect of prolactin on testicular lipid metabolism in pubertal rats. Sultan Sheriff D. **Horm Res** 1986;23(1):60–3

Metabolic effects of 5–thio–D–glucose. Veeraragavan K, et al. **Indian J Biochem Biophys** 1984 Oct;21(5):327–31

The effect of retinol deficiency on the metabolism of all–trans–retinyl acetate in rat testes. Chaudhary LR, et al. **Int J Vitam Nutr Res** 1985;55(4):383–90

Binding and activation of gonadotropin–releasing hormone receptors in pituitary and gonadal cells. Nasr Z, et al. **Int Rev Cytol** 1986;103:147–87 (187 ref.)

The effect of selective destruction and regeneration of rat Leydig cells on the intratesticular distribution of testosterone and morphology of the seminiferous epithelium. Bartlett JM, et al. **J Androl** 1986 Jul–Aug; 7(4):240–53

Androgens in various fluid compartments of the rat testis and epididymis after hypophysectomy and gonadotropin supplementation. Turner TT, et al. **J Androl** 1985 Nov–Dec;6(6):353–8

Poly(ADP–ribosylation) at successive stages of rooster spermatogenesis. Levels of polymeric ADP–ribose in vivo and poly(ADP–ribose) polymerase activity and turnover of ADP–ribosyl residues in vitro. Corominas M, et al. **J Biol Chem** 1985 Dec 25;260(30):16269–73

Structural characterization of proteoglycans produced by testicular peritubular cells and Sertoli cells. Skinner MK, et al. **J Biol Chem** 1985 Sep 25;260(21):11874–83

The subunit structure of the follitropin (FSH) receptor. Photoaffinity labeling of the membrane–bound receptor follitropin complex in situ. Smith RA, et al. **J Biol Chem** 1985 Nov 15;260(26):14297–303

Sertoli cell binding to isolated testicular basement membrane. Enders GC, et al. **J Cell Biol** 1986 Sep;103(3):1109–19

Timing of sulphogalactolipid biosynthesis in the rat testis studied by tissue autoradiography. Lingwood CA. **J Cell Sci** 1985 Apr;75:329–38

Self–priming effect of luteinizing hormone–human chorionic gonadotropin (hCG) upon the biphasic testicular response to exogenous hCG. I. Serum testosterone profile. Ulloa–Aguirre A, et al. **J Clin Endocrinol Metab** 1985 Nov; 61(5):926–32

Identification of amino acid transport systems stimulated by FSH in rat testes. da Cruz Curte A, et al. **J Endocrinol** 1985 Sep;106(3):291–4

LH and testosterone cause the development of seminiferous tubule contractile activity and the appearance of testicular oxytocin in hypogonadal mice. Nicholson HD, et al. **J Endocrinol** 1986 Jul;110(1):159–67

Significance of gonad and renal prostaglandin E2 in the antihypertensive effect of pindolol in spontaneously hypertensive rats. Matsudaira T, et al. **J Pharmacobiodyn** 1985 Jul;8(7):539–48

Effects of photoperiod and hCG on the regulation of testicular LH/hCG receptors in Syrian hamsters (Mesocricetus auratus). Amador A, et al. **J Reprod Fertil** 1985 Jul;74(2):693–700

Glucose metabolism in perinatal gonads of the rabbit. Mazur M, et al. **J Reprod Fertil** 1986 May;77(1):207–9

Seasonal variations of LH, prolactin, androstenedione, testosterone and testicular FSH binding in the male blue fox (Alopex lagopus). Smith AJ, et al. **J Reprod Fertil** 1985 Jul;74(2):449–58

Regulation of testicular LH/hCG receptors in golden hamsters (Mesocricetus auratus) during development. Stallings MH, et al. **J Reprod Fertil** 1985 Nov;75(2):663–70

Photoperiod–induced changes in the testicular metabolism of [4–14C]17 alpha–hydroxyprogesterone in the bank vole (Clethrionomys glareolus). Teräväinen T, et al. **J Reprod Fertil** 1985 Jul;74(2):625–30

Depletion–replenishment of the testicular estrogen receptor: sensitivity to cycloheximide and actinomycin D. Abney TO, et al. **J Steroid Biochem** 1986 May;24(5):989–95

The effects of diethyl–4–methyl–3–oxo–4–aza–5 alpha–androstane–17 beta–carboxamide (4–MA) and (4R)–5,10–SECO–19–norpregna–4,5–diene–3,10,20–trione (SECO) on androgen biosynthesis in the rat testis and epididymis. Cooke GM, et al. **J Steroid Biochem** 1986 Apr; 24(4):877–86

Differential effects of follicle–stimulating and luteinizing hormones on testosterone production by mouse testes. Dalterio SL, et al. **J Steroid Biochem** 1986 Jul;25(1):149–56

The adrenal secretion of progesterone stimulates testicular steroidogenesis in the rat in vitro. Feek CM, et al. **J Steroid Biochem** 1985 Nov;23(5A):617–23

Reduced activity of androgen biosynthesis in the testes of rats with analbuminemia. Takahashi M, et al. **J Steroid Biochem** 1986 Apr;24(4):871–6

The effect of infusions of 5 alpha–dihydrotestosterone or estradiol–17 beta on the concentration of some steroids in the human testicular vein and artery. Tamm J, et al. **J Steroid Biochem** 1985 Sep;23(3):373–4

Human chorionic gonadotropin binding to rat testis receptors is inhibited by a thymus factor. Hiriart M, et al. **Life Sci** 1986 Mar 3;38(9):789–95

Modulation of rat testicular LH/hCG receptors by membrane lipid fluidity. Kolena J, et al. **Mol Cell Endocrinol** 1986 Jan;44(1):69–76

Identification of a non–mitogenic paracrine factor involved in mesenchymal–epithelial cell interactions between testicular peritubular cells and Sertoli cells. Skinner MK, et al. **Mol Cell Endocrinol** 1986 Jan;44(1):85–97

Male hypogonadism due to hyperestrogenism [letter] Valenta LJ, et al. **N Engl J Med** 1986 Jan 16;314(3):186

Demonstration of the vasopressin associated glycopeptide in the brain and peripheral tissues of the Brattleboro rat. Mezey E, et al. **Neuropeptides** 1986 Jan;7(1):79–85

Expression of preproenkephalin–like mRNA and its peptide products in mammalian testis and ovary. Kilpatrick DL, et al. **Proc Natl Acad Sci USA** 1985 Nov;82(21):7467–9

Abnormal zinc metabolism in unilateral maldescended testes of a mutant rat strain. Chan WY, et al. **Proc Soc Exp Biol Med** 1986 Sep;182(4):549–58

Relative affinities of estramustine phosphate metabolites to the cytosol oestrogen receptor of rat testis. Daehlin L, et al. **Scand J Clin Lab Invest** 1986 Apr;46(2):159–62

Intratesticular steroid levels and their hormonal control. Kim P, et al. **Steroids** 1985 Mar–Apr;45(3–4):235–45

[Oxidative phosphorylation, NADH–oxidase and succinate oxidase activity in testicular mitochondria of rats with alloxan diabetes] Taryshkin AM, et al. **Vopr Med Khim** 1986 May–Jun;32(3):82–5 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Adsorption of ectyma contagiosum virus to cultured calf testis cells. Traykova M, et al. **Acta Virol (Praha)** 1986 Jan;30(1):75–80

Mucopolysaccharides in suspensions of Treponema pallidum extracted from infected rabbit testes. van der Sluis JJ, et al. **Genitourin Med** 1985 Feb;61(1):7–12

Isolation of Chlamydia trachomatis from a gonad biopsy specimen of a man with sterile pyospermia [letter] Hartmann AA, et al. **J Infect Dis** 1986 Oct;154(4):731–3

A cytomegalovirus isolated from swine testicle cell culture. Shirai J, et al. **Nippon Juigaku Zasshi** 1985 Oct; 47(5):697–703

[Mutagenic effect of human adenovirus type I on the somatic and sex cells of male mice] Podol'skaia SV. **Tsitol Genet** 1986 Mar–Apr;20(2):145–8 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Objective evaluation of fibrosis in human testicular biopsies by analysis based on optical diffractometry. Guerin JF, et al. **Acta Anat (Basel)** 1986;125(2):88–92

Varicocele in adolescents: ultrastructural aspects. Ponchietti R, et al. **Acta Eur Fertil** 1986 Jan–Feb;17(1):47–50

Quantitative evaluation of spontaneous and radiation–induced polyploidisation processes in human and murine testes. Hacker–Klom U, et al. **Acta Radiol [Oncol]** 1985 Nov–Dec; 24(6):503–7

Partial fra(X) phenotype with megalotestes in fra (X)–negative patients with acquired lesions of the central nervous system. Fryns JP, et al. **Am J Med Genet** 1986 Jan–Feb;23(1–2):213–9

An ultrastructural study on the presence of various types of crystals in the infertile human testis. Kaya M, et al. **Anat Embryol (Berl)** 1985;172(2):217–25

Testicular histology in streptozotocin–induced diabetes. Anderson JE, et al. **Anat Rec** 1986 Apr;214(4):378–82

Flow cytometric analysis of the maldescended testis. Hacker–Kolm U, et al. **Andrologia** 1985 Jul–Aug; 17(4):389–94

Morphological and enzyme histochemical observations on alcohol induced disturbances in testis of two patients. Haider SG, et al. **Andrologia** 1985 Nov–Dec;17(6):532–40

Tubular hyalinization in human testis. Söderström KO. **Andrologia** 1986 Jan–Feb;18(1):97–103

Testis morphometry in varicocele. Pesce CM, et al. **Arch Androl** 1985;15(2–3):193–7

Quantitative studies of compensatory testicular hypertrophy following unilateral castration in the boar. Putra DK, et al. **Aust J Biol Sci** 1985;38(4):429–34

Prepuberal reproductive defects in neonatal estrogenized male rats. Bellido C, et al. **Biol Reprod** 1985 Sep;33(2):381–7

Reversal of the endocrine toxicity of commercially produced perfluorochemical emulsion. Chubb C. **Biol Reprod** 1985 Nov;33(4):854–8

Sequential testicular biopsies in childhood acute lymphocytic leukemia. Kim TH, et al. **Cancer** 1986 Mar 1;57(5):1038–41

Selective destruction and regeneration of rat Leydig cells in vivo. A new method for the study of seminiferous tubular–interstitial tissue interaction. Kerr JB, et al. **Cell Tissue Res** 1985;242(1):145–56

Benign genital mesothelioma. Two case reports. Chahla Y. **Eur Urol** 1985;11(4):285–7

Pathophysiology of varicocele in nonhuman primates: long–term seminal and testicular changes. Harrison RM, et al. **Fertil Steril** 1986 Sep;46(3):500–10

A unique case of Sertoli cell only syndrome with normal gonadotropins [letter] Al–Omari H. **Fertil Steril** 1985 Oct;

44(4):559
Effect of vitamin A acid on the testis of the Egyptian toad. Sadek IA, et al. **Folia Morphol (Praha)** 1986;34(2):141–3
Effects of portal vein ligation on sex hormone metabolism in male rats: relationship to lowered hepatic cytochrome P450 levels. Farrell GC, et al. **Gastroenterology** 1986 Feb; 90(2):299–305
Primary neuroectodermal tumour of the testis. Nistal M, et al. **Histopathology** 1985 Dec;9(12):1351–9
Nodular fibrous proliferation (fibrous pseudotumour) of the tunica vaginalis testis. A light, electron microscopic and immunocytochemical study of a case and review of the literature. Thompson JE, et al. **Histopathology** 1986 Jul; 10(7):741–8
Gonadal dysfunction in the spontaneously diabetic BB rat: alterations of testes morphology, serum testosterone and LH. Murray FT, et al. **Horm Metab Res** 1985 Oct; 17(10):495–501
A new synaptic anomaly: irregular synaptonemal complexes. Navarro J, et al. **Hum Genet** 1986 Mar;72(3):272–4
Effect of hypobaric hypoxia on spermatogenesis, Leydig cells and delta 5–3 beta–hydroxysteroid dehydrogenase activity in toad. Biswas HM, et al. **Indian J Physiol Pharmacol** 1985 Jul–Sep;29(3):139–45
Effect of DL–6–(N–alpha–pipecolinomethyl)–5–hydroxy–indane maleate (PMHI) on the reproductive system of a wild rat, Bandicota bengalensis. Sinha Hikim AP. **Int J Androl** 1985 Oct;8(5):393–402
Focal testicular destruction following intratesticular injection of glycerol in rats. Weinbauer GF, et al. **Int J Androl** 1985 Oct;8(5):365–75
Testis biopsy for infertility: a comparative assessment of current score methods for the evaluation of the histological specimen. Pesce C, et al. **Int J Fertil** 1985;30(3):7–12
Relationships between serum FSH level and the size of testis in azoospermic patients. Farkas I, et al. **Int Urol Nephrol** 1986;18(2):175–9
Light and electron microscopical observations on the Leydig cells of the scrotal and abdominal testes of naturally unilateral cryptorchid West African dwarf goats. Ezeasor DN. **J Anat** 1985 Aug;141:27–40
Histopathology of prepubertal rat testes subjected to various durations of spermatic cord torsion. Cosentino MJ, et al. **J Androl** 1986 Jan–Feb;7(1):23–31
Germ cell degeneration in the contralateral testis of the guinea pig with unilateral torsion of the spermatic cord. Quantitative and ultrastructural studies. Jhunjhunwala JS, et al. **J Androl** 1986 Jan–Feb;7(1):16–22
Diagnostic value of testicular biopsy in acute lymphoblastic leukemia [letter] Chessells JM. **J Pediatr** 1986 Feb; 108(2):331–2
The effect of unilateral testicular torsion on the contralateral testicle in prepubertal Chinese hamsters. Henderson JA 4th, et al. **J Pediatr Surg** 1985 Dec;20(6):592–7
Prepubertal testicular torsion: subsequent fertility. Puri P, et al. **J Pediatr Surg** 1985 Dec;20(6):598–601
Adenocarcinoma of the rete testis. Sarma DP, et al. **J Surg Oncol** 1985 Oct;30(2):67–71
Epidermoid cysts of the testicle. Buckspan MB, et al. **J Urol** 1985 Nov;134(5):960–1
Testicular sarcoidosis: case report and review of the literature. Haas GP, et al. **J Urol** 1986 Jun;135(6):1254–6
The value of testicular biopsy in patients with varicocele. Hadziselimovic F, et al. **J Urol** 1986 Apr;135(4):707–10
Testicular histology in children with unilateral testicular torsion. Hadžiselimović F, et al. **J Urol** 1986 Jul;136(1 Pt 2):208–10
A case of simultaneous bilateral germ cell tumors arising from cryptorchid testes. Hayakawa M, et al. **J Urol** 1986 Aug; 136(2):470–2
Spontaneous regression of testicular seminoma: case report. Holmes AS, et al. **J Urol** 1986 Apr;135(4):795–6
The effects of vasectomy on the testis [editorial] Flickinger CJ. **N Engl J Med** 1985 Nov 14;313(20):1283–5
Quantitative pathologic changes in the human testis after vasectomy. A controlled study. Jarow JP, et al. **N Engl J Med** 1985 Nov 14;313(20):1252–6
Quantitative histology of human fetal testes in chromosomal disease. Coerdt W, et al. **Pediatr Pathol** 1985;3(2–4):245–59
Exercise reduces gonadal atrophy caused by short photoperiod or blinding of hamsters. Gibbs FP, et al. **Physiol Behav** 1986;37(1):159–62
Seminoma in an atrophic testis. Ali Khan S, et al. **Urol Int** 1985;40(5):282–3
Extragonadal retroperitoneal germ cell tumors without apparent testicular involvement. A search for the source. Saltzman B, et al. **Urology** 1986 Jun;27(6):504–7
Histologic alterations in the testes of laboratory rabbits. Morton D, et al. **Vet Pathol** 1986 Mar;23(2):214–7
Effects of dietary cobalt on testicular structure. Mollenhauer HH, et al. **Virchows Arch [Cell Pathol]** 1985;49(3):241–8
[Testicular biopsy in the study of male infertility] Ye XZ. **Chung–hua Ping Li Hsueh Tsa Chih** 1985 Dec;14(4):285–8 (Eng. Abstr.) **(Chi)**
[Importance of the tubular diameter in testicular biopsy of oligozoospermia] Prijono H, et al. **Andrologia** 1985 Nov–Dec;17(6):541–5 (Eng. Abstr.) **(Ger)**
[Testicular biopsy combined with refertilization? Unfortunately, a frequently practiced error of management] Schirren C. **Andrologia** 1985 Sep–Oct;17(5):517–8 (Eng. Abstr.) **(Ger)**
[Spermatogenesis in the aged—a borderland between normal and pathologic anatomy] Holstein AF. **Urologe [A]** 1986 May;25(3):130–7 (Eng. Abstr.) **(Ger)**
[Testicular biopsy findings following orchiopexy] Donat H, et al. **Zentralbl Gynakol** 1986;108(9):546–50 (Eng. Abstr.) **(Ger)**
[Morphometric evaluation in testicular biopsy of monolateral cryptorchism treated with hormonal therapy] Gambacorta M, et al. **Minerva Pediatr** 1985 Jul 31;37(13–14):509–14 (Eng. Abstr.) **(Ita)**
[Histopathology of cryptorchid and ectopic testes. Review of the literature and anatomo–clinical observations in 48 cases] Aragona F, et al. **Minerva Urol Nefrol** 1985 Jan–Mar; 37(1):35–50 (96 ref.) (Eng. Abstr.) **(Ita)**
[Prognostic criteria of the testicular biopsy in cryptorchid subjects] Gambacorta M, et al. **Pathologica** 1985 Jul–Aug; 77(1050):417–25 (Eng. Abstr.) **(Ita)**
[Effect of combined radiotherapy, hyperthermia, radioprotective agent and hypoxic cell sensitizer on mice testis—testicular weight as indicator of the combined effect] Nakano Y. **Nippon Igaku Hoshasen Gakkai Zasshi** 1985 Aug 25;45(8):1152–66 (Eng. Abstr.) **(Jpn)**
[The length of convoluted seminiferous tubules in damaged testes] Banek L, et al. **Lijec Vjesn** 1986 May;108(5):170–3 (Eng. Abstr.) **(Scr)**
[Effects of vasectomy on the structure of the testicle in the cat] Nuñez J, et al. **Actas Urol Esp** 1986 Jan–Feb;10(1):61–4 (Eng. Abstr.) **(Spa)**
[Effects of vasectomy on the structure of the testicle in the rat] Núñez J, et al. **Actas Urol Esp** 1986 Jan–Feb; 10(1):55–60 (Eng. Abstr.) **(Spa)**
[Presence of atypical germ cells in cryptorchid testicles] Server G, et al. **Actas Urol Esp** 1986 Jul–Aug;10(4):271–4 (Eng. Abstr.) **(Spa)**
[Testicular malacoplakia] Martín Benito JL, et al. **Arch Esp Urol** 1985 Sep–Oct;38(5):503–6 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

The role of thyroid and adrenal cortical hormones in the modulation of the gonadal function in birds. Péczely P. **Acta Biol Hung** 1985;36(1):45–70
Abstracts. Satellite symposium, XV Acta Endocrinologica Congress: Novel aspects in the hormonal regulation of testicular function. Helsinki, August 5–9, 1985. **Acta Endocrinol [Suppl] (Copenh)** 1985;270:205–20
LHRH, the role of LHRH (agonists) in the regulation of gonadal function. Rommerts FF, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;276:76–84
The effects of orchidectomy and replacement therapy on the ultrastructure and gonadotropin–releasing hormone content of the median eminence of the rat. Beckman WC Jr. **Am J Anat** 1986 May;176(1):33–52
Cyclic formation and decay of the blood–testis barrier in the mink (Mustela vison), a seasonal breeder. Pelletier RM. **Am J Anat** 1986 Jan;175(1):91–117
Photic cues induce multiple neuroendocrine adjustments in testicular function. Blank JL, et al. **Am J Physiol** 1986 Feb; 250(2 Pt 2):R199–206
Alterations in activities of calmodulin and heat–stable calmodulin–binding protein in rat testis. Koide Y, et al. **Am J Physiol** 1986 Feb;250(2 Pt 1):C299–305
Effect of chronic aromatase inhibition by delta 1–testolactone on pituitary–gonadal function in oligozoospermic men. Dony JM, et al. **Andrologia** 1986 Jan–Feb;18(1):69–78
Impaired in vitro testicular endocrine function in elderly men. Hammar M. **Andrologia** 1985 Sep–Oct;17(5):444–9
Contractile behaviour of rat seminal vesicle after gonadectomy, testosterone replacement and cyproterone treatment. Hib J, et al. **Andrologia** 1985 Sep–Oct; 17(5):435–9
Effect of ectopic pituitary homograft on the physiological status of rat testis. Mathur PP, et al. **Andrologia** 1986 Jan–Feb;18(1):84–8
Testicular activity in mice selected for increased body weight. O'Keane JC, et al. **Andrologia** 1986 Mar–Apr; 18(2):190–5
Zinc in the seminal vesicle and cranial and caudal prostate of rhesus monkey (Macaca mulatta): testicular regulation and subcellular distribution. Srivastava A, et al. **Andrologia** 1985 Nov–Dec;17(6):579–82
Is the time of meiosis initiation programmed in the germ cells or the ovarian stroma? A study in avian chimeras. Dieterlen–Lievre F, et al. **Arch Anat Microsc Morphol Exp** 1985;74(1):20–2
Testicular aging: vascularization and gametogenesis modifications in the Wistar rat. Auroux M, et al. **Arch Androl** 1985;14(2–3):115–21
Fertility of the monorchid rat after partial resection of testes. Hayashi H, et al. **Arch Androl** 1985;14(2–3):267–9
Spermatogenesis in the bandicoot rat. I. Duration of the cycle of the seminiferous epithelium. Hikim AP, et al. **Arch Androl** 1985;14(2–3):151–4
Multinucleate spermatids in aging human testes. Nistal M, et al. **Arch Androl** 1986;16(2):125–9
Testicular peptides and their endocrine and paracrine functions. Steinberger A, et al. **Arch Biol Med Exp (Santiago)** 1984 Dec;17(3–4):267–71
Combined use of autoradiography and enzyme histochemistry in studies on the mammalian testis. Hilscher W, et al. **Basic Appl Histochem** 1985;29(3):245–52
Renewal of spermatogonia in the monkey (Macaca fascicularis). Fouquet JP, et al. **Biol Reprod** 1986 Aug; 35(1):199–207
Maintenance of testicular function in Turkish hamsters: interaction of photoperiod and the pineal gland. Hong SM, et al. **Biol Reprod** 1986 Apr;34(3):527–31
Critical components of testicular function and sensitivity to disruption. Meistrich ML. **Biol Reprod** 1986 Feb; 34(1):17–28
Age–related change in numbers of other interstitial cells in testes of adult men: evidence bearing on the fate of Leydig cells lost with increasing age. Neaves WB, et al. **Biol Reprod** 1985 Aug;33(1):259–69
Ontogeny of secretory patterns of LH release and effects of gonadectomy in the chronically catheterized pig fetus and neonate. Ponzilius KH, et al. **Biol Reprod** 1986 May; 34(4):602–12
Reproductive physiology of the clouded leopard: II. A circannual analysis of adrenal–pituitary–testicular relationships during electroejaculation or after an adrenocorticotropin hormone challenge. Wildt DE, et al. **Biol Reprod** 1986 Jun;34(5):949–59
Horizontal knife cuts either ventral or dorsal to the hypothalamic paraventricular nucleus block testicular regression in golden hamsters maintained in short days. Inouye ST, et al. **Brain Res** 1986 Apr 2;370(1):102–7
Hypothalamic circuits involved in the regulation of seasonal and circadian rhythms in male golden hamsters. Nunez AA, et al. **Brain Res Bull** 1985 Aug;15(2):149–53
Molecular cloning and sequence analysis of a haploid expressed gene encoding t complex polypeptide 1. Willison KR, et al. **Cell** 1986 Mar 14;44(5):727–38
Paracrine control of the testis. Sharpe RM. **Clin Endocrinol Metab** 1986 Feb;15(1):185–207 (108 ref.)
The in vivo effect of low body temperatures on the degree of polymerization of tubulin in brain and testes: a comparison among some species of vertebrates. Lopez LA, et al. **Comp Biochem Physiol [A]** 1986;83(2):317–20
Pituitary gonadal function in adult male rats subjected to crowding. Armario A, et al. **Endocr Res** 1986;12(2):115–22
The hormonal control of testicular descent. Hutson JM, et al. **Endocr Rev** 1986 Aug;7(3):270–83 (167 ref.)
Arginine vasopressin in the testis: an intragonadal peptide control system. Kasson BG, et al. **Endocr Rev** 1986 May; 7(2):156–68 (124 ref.)
Effects of seminiferous tubule secreted factor(s) on Leydig cell cyclic AMP production in mature rat. Papadopoulos V, et al. **FEBS Lett** 1986 Jun 23;202(1):74–8
Incidence of a circadian cycle of photosensitivity in the regulation of the annual testis cycle in the mink: a short–day mammal. Boissin–Agasse L, et al. **Gen Comp Endocrinol** 1985 Oct;60(1):109–15
Absence of gonadal–hormone feedback on luteinizing hormone in both photorefractory and photosensitive white–crowned sparrows (Zonotrichia leucophrys gambelii). Mattocks PW Jr. **Gen Comp Endocrinol** 1985 Dec;60(3):455–62
The endocrine control of sexual differentiation. Wilson JD. **Harvey Lect** 1983–84;79:145–72 (103 ref.)
Adrenal androgens, body fat and advanced skeletal age in puberty: new evidence for the relations of adrenarche and gonadarche in males. Katz SH, et al. **Hum Biol** 1985 Sep; 57(3):401–13
LDH–C4 in human seminal plasma and its relationship to testicular function. II. Clinical aspects. Eliasson R, et al. **Int J Androl** 1985 Jun;8(3):201–14
LDH–C4 in human seminal plasma and its relationship to testicular function. I. Methodological aspects. Virji N. **Int J Androl** 1985 Jun;8(3):193–200
LDH–C4 in human seminal plasma and testicular function. III. Relationship to other semen variables. Virji N, et al. **Int J Androl** 1985 Oct;8(5):376–84
Investigation of thermotolerance in mouse testis. Marigold JC, et al. **Int J Radiat Biol** 1985 Oct;48(4):589–95
American Society of Andrology 11th annual meeting. Grand Rapids, April 2023, 1986. Abstracts. **J Androl** 1986 Mar–Apr;7(2):P1–32
Retracted testis mimicking lymphomatous recurrence: CT demonstration. Neumann DR, et al. **J Comput Assist Tomogr** 1986 Jan–Feb;10(1):159–60
Endogenous opioids and the control of seasonal LH secretion in Soay rams. Ebling FJ, et al. **J Endocrinol** 1985 Dec; 107(3):341–53
Influences of thyroidectomy and thyroxine replacement on photoperiodically controlled reproduction in quail. Follett BK, et al. **J Endocrinol** 1985 Nov;107(2):211–21
Regulation of stages VI and VIII of the rat seminiferous epithelial cycle in vitro. Toppari J, et al. **J Endocrinol** 1986 Mar;108(3):417–22
Effect of testosterone on gonadotrophin–releasing hormone receptors in the castrated rat: preliminary evidence for a stimulatory effect of testosterone on gonadotrophin function in the male rat. Wilson CA, et al. **J Endocrinol** 1986 Mar;108(3):441–9
Persistent effects of a marathon run on the pituitary–testicular axis. Tanaka H, et al. **J Endocrinol Invest** 1986 Apr; 9(2):97–101
Photothermal effects on the testicular cycle in the musk turtle, Sternotherus odoratus. Mendonça MT, et al. **J Exp Zool** 1986 Jul;239(1):117–30
Effects of exogenous and endogenous melatonin on gonadal function in hamsters. Stetson MH, et al. **J Neural Transm [Suppl]** 1986;21:55–80

Photoperiodic control of testicular size in the golden hamster: lack of a role for the deep pineal gland. Anderson KD, et al. **J Pineal Res** 1985;2(2):99–107

Antigonadal actions of olfactory and light deprivation. II. Effects of pinealectomy or melatonin injections in olfactory bulb deafferented or bulbectomized male rats. Mediavilla MD, et al. **J Pineal Res** 1985;2(2):191–200

Antigonadal actions of olfactory and light deprivation. I. Effects of blindness combined with olfactory bulb deafferentation, transection of vomeronasal nerves, or bulbectomy. Sánchez–Barceló EJ, et al. **J Pineal Res** 1985; 2(2):177–90

Photoperiodic regulation of seasonal testicular regression in the wild European rabbit (Oryctolagus cuniculus). Boyd IL. **J Reprod Fertil** 1986 Jul;77(2):463–70

Changes in the volume of Sertoli cells during the cycle of the seminiferous epithelium in the rat. Bugge HP, et al. **J Reprod Fertil** 1986 Jan;76(1):39–42

Relationship of food intake to the induction of plasma sex steroid–binding protein and testicular activity in immature male little brown bats (Myotis lucifugus lucifugus). Damassa DA, et al. **J Reprod Fertil** 1985 Jul;74(2):701–8

Thyroidectomy results in termination of photorefractoriness in starlings (Sturnus vulgaris) kept in long daylengths. Dawson A, et al. **J Reprod Fertil** 1985 Jul;74(2):527–33

Photoperiodic modulation of testicular LH receptors in the bank vole (Clethrionomys glareolus). Tähkä KM, et al. **J Reprod Fertil** 1985 Nov;75(2):513–9

The effect of graded unilateral testicular biopsy on the reproductive capacity of male rats. Cosentino MJ, et al. **J Urol** 1986 Jan;135(1):155–8

Scrotal temperature reflects intratesticular temperature and is lowered by shaving. Kurz KR, et al. **J Urol** 1986 Feb; 135(2):290–2

Testicular endocrine function in the ageing male. Vermeulen A, et al. **Maturitas** 1985 Sep;7(3):273–9

Castration of male rats reduces the capacity of granules isolated from the median eminence to secrete luteinizing hormone–releasing hormone in response to copper. Barnea A, et al. **Neuroendocrinology** 1985 Aug;41(2):149–55

Photoperiodic effects in the Djungarian hamster. Rate of testicular regression and extension of pineal melatonin pattern depend on the way of change from long to short photoperiods. Hoffmann K, et al. **Neuroendocrinology** 1986; 43(3):317–21

Horizontal knife cuts in the suprachiasmatic area prevent hamster gonadal responses to photoperiod. Eskes GA, et al. **Neurosci Lett** 1985 Nov 11;61(3):261–6

Body weight gain and food intake alterations in crowd–reared rats. Gamallo A, et al. **Physiol Behav** 1986; 36(5):835–7

Activity rhythms and photoperiodism of Syrian hamsters in a simulated burrow system. Pratt BL, et al. **Physiol Behav** 1986 Jan;36(1):83–9

Photoperiod time measurement for activity, torpor, molt and reproduction in mice. Sullivan JK, et al. **Physiol Behav** 1986 Jan;36(1):167–74

Hormonal regulation of testicular descent and maldescent. Hadziselimovic F. **Prog Clin Biol Res** 1985;203:167–76

Seminiferous epithelial function in the pubertal rat following local testicular irradiation. Delic JI, et al. **Radiother Oncol** 1986 Jan;5(1):39–45

Circadian rhythms in accessory sex gland function in the male rat. Rui H, et al. **Urol Int** 1985;40(6):331–6

Effect of castration on the epiphyseal cartilage of young male rats. Tarsoly E, et al. **Z Mikrosk Anat Forsch** 1985; 99(6):897–910

Ultrastructural investigations of the influence of castration on parotid cells of the rat. Zarebska A, et al. **Z Mikrosk Anat Forsch** 1985;99(5):717–24

[Symposium: Pathology and physiology of growth] **Ann Endocrinol (Paris)** 1985;46(4–5):287–96 (Fre)

[Effect of newborn rat testes on the male sexual behavior of the testosterone–treated adult] Roffi J, et al. **C R Acad Sci [III]** 1986;302(12):467–70 (Eng. Abstr.) (Fre)

[Peptide factors of gonadal autoregulation] Neamțu C. **Rev Med Chir Soc Med Nat Iasi** 1985 Jul–Sep;89(3):542–4 (0 ref.) (Rum)

[Mechaniams of self–regulation and interaction of the central nervous system and of the hypophyseal–sexual system] Malyshenko NM. **Biol Nauki** 1985;(7):5–18 (77 ref.) (Eng. Abstr.) (Rus)

[Hormonal activity of the hypophysis–gonadal system in male hamadryas baboons in relationship to their hierarchical position] Taranov AG, et al. **Biull Eksp Biol Med** 1986 Mar;101(3):356–8 (Eng. Abstr.) (Rus)

[Characteristics of the testicular reaction to administration of chorionic gonadotropin in immature intact and hypophysectomized rats after destruction and stimulation of the hippocampus] Kreshchuk LN. **Fiziol Zh** 1986 Mar–Apr;32(2):207–11 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Gonadal function in men with the Martin–Bell (fragile–X) syndrome. Berkovitz GD, et al. **Am J Med Genet** 1986 Jan–Feb;23(1–2):227–39

Painful postcoital testicular retraction linked with desipramine [letter] Sorvino AR. **Am J Psychiatry** 1986 May;143(5):682–3

Effect of lower versus higher doses of tamoxifen on pituitary–gonadal function and sperm indices in oligozoospermic men. Dony JM, et al. **Andrologia** 1985 Jul–Aug;17(4):369–78

Testicular function and fertility in men with homozygous alpha–1 antitrypsin deficiency. Handelsman DJ, et al. **Andrologia** 1986 Jul–Aug;18(4):406–12

Testicular function and glycemic control in diabetic men. A controlled study. Handelsman DJ, et al. **Andrologia** 1985 Sep–Oct;17(5):488–96

Male germ cell analysis by flow cytometry: effects of cancer, chemotherapy, and other factors on testicular function and sperm chromatin structure. Evenson DP. **Ann NY Acad Sci** 1986;468:350–67

True hermaphroditism. A review of 41 cases with observations on testicular histology and function. Aaronson IA. **Br J Urol** 1985 Dec;57(6):775–9

Parathyroid function and pituitary–gonadal axis in male uremics; effects of dietary treatment and of maintenance hemodialysis. Fioretti P, et al. **Clin Nephrol** 1986 Mar; 25(3):155–8

Testicular function in experimental uremia. Handelsman DJ, et al. **Endocrinology** 1985 Nov;117(5):1974–83

A nonspecific disturbance of the gonadostat in women with transsexualism and isolated hypergonadotropism in the male–to–female disturbance of gender identity. Kula K, et al. **Exp Clin Endocrinol** 1986 Jun;87(1):8–14

Seminal plasma transferrin and seminiferous tubular dysfunction. Chan SY, et al. **Fertil Steril** 1986 May; 45(5):687–91

In–vitro studies of the development of pituitary and testicular functions in diabetes (C57Bl/KsJ–db/db) mutant mice. Kühn–Velten N, et al. **Horm Metab Res** 1985 Nov; 17(11):576–9

Gonadal function in patients with galactosaemia. Kaufman FR, et al. **J Inherited Metab Dis** 1986;9(2):140–6

Pituitary–testicular axis abnormalities in immature male hypothyroid rats. Valle LB, et al. **J Steroid Biochem** 1985 Sep;23(3):253–7

Hyperprolactinemia and male sexual behavior: effects of steroid replacement with estrogen plus dihydrotestosterone. Doherty PC, et al. **Physiol Behav** 1985 Jul;35(1):99–104

Testicular failure in an adolescent with mesoappendicular testis. Wu RH, et al. **Urology** 1986 May;27(5):434–7

[Studies of testicular function after treatment for testicular tumors. III. The influence of chemotherapy on pituitary–testicular axis in patients with testicular tumor] Furuhata A, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Jul;76(7):1035–41 (Eng. Abstr.) (Jpn)

[Studies of testicular function after treatment for testicular tumor. II. The influence of radiotherapy on pituitary–testicular axis in patients with testicular tumor] Furuhata A, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Jul;76(7):1029–34 (Eng. Abstr.) (Jpn)

[Studies of testicular function after treatment for testicular tumor. I. Fertilization of patients with testicular tumor before and after treatment] Furuhata A, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Jul;76(7):1022–8 (Eng. Abstr.) (Jpn)

[Studies of contralateral testicular function after testicular torsion] Gotoh A, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Oct;76(10):1493–8 (Eng. Abstr.) (Jpn)

[Endocrine function of the testes, gonadotropic and lactotropic activity of the adenohypophysis in impotence among older men] Gorpinchenko II. **Probl Endokrinol (Mosk)** 1986 Mar–Apr;32(2):35–6 (Eng. Abstr.) (Rus)

[Functional status of the hypophyseal–gonadal system in patients with chronic bronchitis] Landyshev IuS, et al. **Ter Arkh** 1986;58(4):60–2 (Eng. Abstr.) (Rus)

[Endocrine and reproductive functions of the testes in elderly males] Iunda IF, et al. **Urol Nefrol (Mosk)** 1986 May–Jun; (3):53–5 (Eng. Abstr.) (Rus)

[Status of the hypophyseal–gonadal system in sex disorders in patients with prostatic adenoma] Iunda NF, et al. **Vrach Delo** 1986 Jun;(6):75–7 (Eng. Abstr.) (Rus)

[Hypothalamo–hypophyseo–gonadal axis in individuals with chronic renal insufficiency subjected to hemodialysis] Mendoza C, et al. **Rev Esp Fisiol** 1985 Dec;41(4):443–6 (Eng. Abstr.) (Spa)

[Effect of prolactin on the function of the hypothalamo–hypophysis–testis axis in different stages of sexual maturation in the rat] Guevara Aguirre J, et al. **Rev Invest Clin** 1985 Jul–Sep;37(3):225–30 (Eng. Abstr.) (Spa)

RADIATION EFFECTS

Gonadal function after testicular radiation for acute lymphoblastic leukaemia. Leiper AD, et al. **Arch Dis Child** 1986 Jan;61(1):53–6

Serum androgen binding protein and follicle stimulating hormone as indices of Sertoli cell function in the irradiated testis. Delic JI, et al. **Br J Cancer [Suppl]** 1986;7:105–7

Relationship between spermatogonial stem cell survival and testis function after cytotoxic therapy. Meistrich ML. **Br J Cancer [Suppl]** 1986;7:89–101

Depletion of the seminiferous epithelium of the rhesus monkey, Macaca mulatta, after X–irradiation. van Alphen MM, et al. **Br J Cancer [Suppl]** 1986;7:102–4

Post–treatment fertility in patients with testicular cancer. III. Influence of radiotherapy in seminoma patients. Fossá SD, et al. **Br J Urol** 1986 Jun;58(3):315–9

Dose and time related responses of the irradiated prepubertal rat testis. I. Leydig cell function. Delic JI, et al. **Int J Androl** 1985 Dec;8(6):459–71

Dose and time related responses of the irradiated prepubertal rat testis. II. Seminiferous epithelial function. Delic JI, et al. **Int J Androl** 1985 Dec;8(6):484–96

In vivo effects of iron–55 and iron–59 on mouse testes: biophysical dosimetry of Auger electrons. Rao DV, et al. **J Nucl Med** 1985 Dec;26(12):1456–65

Enhancement of cathepsin B activity in irradiated mouse testes. Pogany GC, et al. **J Radiat Res (Tokyo)** 1985 Jun; 26(2):248–56

The effect of testicular irradiation on established BPH in the dog: evidence of a non–steroidal testicular factor for BPH maintenance. Grayhack JT, et al. **J Urol** 1985 Dec; 134(6):1276–81

The effects of external beam radiotherapy on endocrine function in patients with carcinoma of the prostate. Grigsby PW, et al. **J Urol** 1986 Apr;135(4):726–7

Biological damage caused by Auger cascades [letter] Mole RH. **Lancet** 1986 Jan 11;1(8472):90–1

Biological damage caused by Auger cascades [letter] Sastry KS, et al. **Lancet** 1986 Apr 12;1(8485):858–9

Inhibition of ADP–ribosylation increases X–ray–induced chromosomal damage in mouse testis and bone–marrow cells in vivo. Sjouke T, et al. **Mutat Res** 1986 Sep; 175(1):33–7

Mouse testis weight loss and survival of differentiated spermatogonia following irradiation with 250 kV X–rays and 5.5 MeV fast neutrons. Gasińska A. **Neoplasma** 1985; 32(4):443–9

Radiation exposure of a population due to diagnostic x–ray examinations: some critical remarks. Poretti GG. **Phys Med Biol** 1985 Oct;30(10):1017–27

Radioprotection of mouse testis by S–2–(3–aminopropylamino)ethylphosphorothioic acid. Bhartiya J, et al. **Radiobiol Radiother (Berl)** 1985; 26(3):389–93

Leydig cell function in the pubertal rat following local testicular irradiation. Delic JI, et al. **Radiother Oncol** 1986 Jan;5(1):29–37

Seminiferous epithelial function in the pubertal rat following local testicular irradiation. Delic JI, et al. **Radiother Oncol** 1986 Jan;5(1):39–45

[Effect of microwave on frequency of spermatogonia sister chromatid exchange (SCE) of mice testes] Bao TR, et al. **Sou Chuan I Hsueh Yuan Hsueh Pao** 1985 Sep;16(3):204–7 (Eng. Abstr.) (Chi)

[A morphologic study of microwave influence on male fertility. Influence of microwave irradiation on rat testes] Fang YX, et al. **Sou Chuan I Hsueh Yuan Hsueh Pao** 1985 Sep;16(3):191–4 (Eng. Abstr.) (Chi)

[Light microscopic and electron microscopic study on the influence of microwave irradiation to rat testes upon gonadotroph cells] Wu XY, et al. **Sou Chuan I Hsueh Yuan Hsueh Pao** 1985 Sep; 16(3):199–203 (Eng. Abstr.) (Chi)

[Testicular function after the effect of ionizing radiation] Greiner R. **Strahlenschutz Forsch Prax** 1985;26:114–21 (Ger)

[Effective per capita dosage as a measure for medically determined radiation exposure of the population—a supplement or alternative to the genetically significant dosage?] Kaul A, et al. **Strahlenschutz Forsch Prax** 1985; 26:168–82 (Ger)

[Morphological changes in testicular tissue induced by high–intensity laser radiation] Lin'kova GN. **Izv Akad Nauk SSSR [Biol]** 1986 May–Jun;(3):459–64 (Eng. Abstr.) (Rus)

[Morphological characteristics of testicular tissue in animals subjected to unilateral laser castration] Lin'kova GN, et al. **Radiobiologiia** 1985 Sep–Oct;25(5):695–8 (Eng. Abstr.) (Rus)

RADIOGRAPHY

Tissue characterization of the testes using ultrasonic CT. Work in progress. Bland PH, et al. **Radiology** 1986 Apr; 159(1):101–5

SECRETION

Electrolyte composition of rete testis fluid and cauda epididymal plasma and spermatozoa from rats following gossypol treatment. Wang JM, et al. **Andrologia** 1986 Jan–Feb;18(1):43–9

Radioimmunoassay of 19 nor testosterone. Evidence of its secretion by the testis of the stallion. Benoit E, et al. **Ann Rech Vet** 1985;16(4):379–83

Testosterone response of cryptorchid and hypophysectomized rats to human chorionic gonadotrophin (hCG) stimulation. Hodgson YM, et al. **Aust J Biol Sci** 1985;38(4):445–55

Protein secretory patterns of rat Sertoli and peritubular cells are influenced by culture conditions. Kierszenbaum AL, et al. **Biol Reprod** 1986 Aug;35(1):239–51

Intratesticular factors and testosterone secretion. Effect of treatments that alter the level of testosterone within the testis. Sharpe RM, et al. **J Androl** 1986 May–Jun;7(3):180–9

Stimulation of steroid production in isolated rat Leydig cells by unknown factors in testicular fluid differs from the effects of LH or LH–releasing hormone. Rommerts FF, et al. **J Endocrinol** 1986 Apr;109(1):111–7

Effect of long-term infusion of an LH-releasing hormone agonist on testicular function in bulls. von Rechenberg W, et al. **J Endocrinol** 1986 May;109(2):R9-11

Characterization of the secretory proteins of rat preputial gland in relation to urinary proteins. Langeland A. **J Exp Zool** 1986 Jun;238(3):401-8

[The effects of gossypol on the secretive function of Sertoli cells in the rat by a method of collection of rete testis fluid of the rat] Wu YW, et al. **Shih Yen Sheng Wu Hsueh Pao** 1985 Mar;18(1):67-75 (Eng. Abstr.) **(Chi)**

[Hormonal evaluation of the functional state of the gonads, thyroid and adrenal glands in obese children] Krawczuk-Rybakowa M, et al. **Pediatr Pol** 1985 Aug; 60(8):558-64 (Eng. Abstr.) **(Pol)**

[Changes in testosterone levels in rabbit embryo testes after removal of the hypothalamus (encephalectomy)] Proshliakova EV, et al. **Biull Eksp Biol Med** 1986 May; 101(5):616-9 (Eng. Abstr.) **(Rus)**

[Development of the endocrine function of the adrenals and gonads of Papio hamadryas in postnatal ontogeny] Butnev VIu, et al. **Ontogenez** 1986 May-Jun;17(3):309-13 (Eng. Abstr.) **(Rus)**

[Effect of thymectomy on the endocrine function of the adrenal cortex and testes in rats] Podosinnikov IS, et al. **Probl Endokrinol (Mosk)** 1986 May-Jun;32(3):60-2 (Eng. Abstr.) **(Rus)**

[Endocrine function of the testes in experiments on Papio hamadryas] Katsiia GV, et al. **Vestn Akad Med Nauk SSSR** 1986;(3):42-5 (Eng. Abstr.) **(Rus)**

SURGERY

Intratesticular islet allografts in the spontaneously diabetic BB/W rat. Selawry H, et al. **Diabetes** 1985 Oct; 34(10):1019-24

Re: Orchiopexy: planned 2-stage technique [letter] **J Urol** 1986 Aug;136(2):479

Effect of age at orchidopexy on risk of testicular cancer. Pike MC, et al. **Lancet** 1986 May 31;1(8492):1246-8

Cryptorchidism and surgery. Pellerin D. **Prog Clin Biol Res** 1985;203:215-20

Testicular microlithiasis occurring in postorchiopexy testis. Mullins TL, et al. **Urology** 1986 Feb;27(2):144-6

[Lactate dehydrogenase isoenzymes in the ejaculate of men following the surgical treatment of cryptorchism--orchidopexy] Uzunov V, et al. **Khirurgiia (Sofiia)** 1986;39(2):36-8 **(Bul)**

TRANSPLANTATION

Microvascular surgical orchiopexy in the treatment of high-lying undescended testes. Garibyan H, et al. **Br J Urol** 1984 Jun;56(3):326-9

Bilateral abdominal cryptorchidism in males: autotransplantation of the testis. Shioshvili TI. **Eur Urol** 1985;11(6):386-7

Autotransplantation of the testicle in paediatric utilising microsurgical technique. Dòmini R, et al. **Z Kinderchir** 1985 Dec;40(6):351-4

[Nursing of patients after homotransplantation of the testis] Wu AS. **Chung Hua Hu Li Tsa Chih** 1985 Dec;20(6):321-2 **(Chi)**

[Subcutaneous grafts of fresh or cryopreserved testis in castrated rats and mice: comparison of the histologic aspects of the grafts] Chalet M, et al. **C R Soc Biol (Paris)** 1986;180(1):69-76 (Eng. Abstr.) **(Fre)**

[Bilateral simultaneous autotransplantation of the testes in abdominal cryptorchism] Kirpatovskiĭ ID, et al. **Khirurgiia (Mosk)** 1985 Dec;(12):116-8 **(Rus)**

[Autotransplantation of the testes in bilateral abdominal cryptorchism] Shioshvili TI. **Urol Nefrol (Mosk)** 1985 Sep-Oct;(5):61-3 (Eng. Abstr.) **(Rus)**

[Autotransplant of the testis: our experience in 6 cases] Sánchez de Badajoz E, et al. **Arch Esp Urol** 1986 Jan-Feb; 39(1):51-6 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Ultrastructural investigation of the testicular defect in rats carrying MHC-linked genes affecting development (grc). Siew S, et al. **Am J Pathol** 1986 May;123(2):318-33

Interstitial compartment pathology and spermatogenic disruption in testes from impotent diabetic men. Cameron DF, et al. **Anat Rec** 1985 Sep;213(1):53-62

Ultrastructure of the testis in an XX-male with normal plasma testosterone. Sasagawa I, et al. **Andrologia** 1986 Jul-Aug;18(4):361-7

Testicular changes in gonadotropin-independent familial male sexual precocity. Familial testotoxicosis. Gondos B, et al. **Arch Pathol Lab Med** 1985 Nov;109(11):990-5

Studies on the cytochemical nature of the synaptonemal complex in Mus musculus. Coll MD, et al. **Cell Mol Biol** 1986;32(4):441-7

Helical structure in the apical tubules of several absorbing epithelia. Kidney proximal tubule, visceral yolk sac and ductuli efferentes. Hatae T, et al. **Cell Tissue Res** 1986; 244(1):39-46

Acute response of testicular interstitial tissue in rats to the cytotoxic drug ethane dimethanesulphonate. An ultrastructural and hormonal assay study. Kerr JB, et al. **Cell Tissue Res** 1986;243(2):405-14

Ultrastructural study of development of the rat testis. I. Physiological conditions. Gaździk T, et al. **Folia Morphol (Praha)** 1985;33(3):213-7

Electron microscopic evidence for deep invaginations of the lamina propria towards the seminiferous tubule lumen in a patient with varicocele. Haider SG, et al. **Int J Androl** 1986 Feb;9(1):27-37

The ultrastructure of the epithelium of the ductuli efferentes testis in the common starling (Sturnus vulgaris). Bellamy SJ, et al. **J Anat** 1985 Mar;140 (Pt 2):189-203

Extracellular matrix regulates Sertoli cell differentiation, testicular cord formation, and germ cell development in vitro. Hadley MA, et al. **J Cell Biol** 1985 Oct; 101(4):1511-22

A simple re-embedding method for the preparation of testicular cell cultures for light and electron microscopy. Bowen Jones H, et al. **J Microsc** 1985 Sep;139 (Pt 3):321-5

Gap junctions between gonocytes and epithelial cells in the sex cords of the one day old rat. A freeze fracture study. McGinley DM, et al. **J Submicrosc Cytol** 1986 Jan; 18(1):75-84

Ultrastructural criteria in evaluating leukemic infiltration in prepubertal testicular biopsies. Prince FP, et al. **Pediatr Pathol** 1986;5(1):17-29

Ultrastructural studies on the basal layers of the seminiferous tubules in the rat testis. Ulvik NM. **Scand J Urol Nephrol [Suppl]** 1984;89:1-28

Localization of periodate-Schiff reactive glycosaminoglycans in semi-thin sections embedded in GMA-Quetol 523-MMA--application of a method for correlative light and electron microscopy of identical sites. Nagato Y, et al. **Tokai J Exp Clin Med** 1985 Apr; 10(1):37-46

[Electron microscopic study on the influence of microwave irradiation on the blood-testis barrier of the rat testis] Zeng ZY, et al. **Sou Chuan I Hsueh Yuan Hsueh Pao** 1985 Sep; 16(3):195-8 (Eng. Abstr.) **(Chi)**

[Ultrastructural study of myoid cells in seminiferous tubules. I. Scanning electron microscopic study of myoid cells in the mouse and human seminiferous tubules] Sasagawa I, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Apr; 77(4):588-93 (Eng. Abstr.) **(Jpn)**

TESTOLACTONE

ANALOGS & DERIVATIVES

Studies on steroid monooxygenase from Cylindrocarpon radicicola ATCC 11011. Oxygenative lactonization of androstenedione to testololactone. Itagaki E. **J Biochem (Tokyo)** 1986 Mar;99(3):825-32

PHARMACODYNAMICS

Effect of chronic aromatase inhibition by delta 1-testolactone on pituitary-gonadal function in oligozoospermic men. Dony JM, et al. **Andrologia** 1986 Jan-Feb;18(1):69-78

TESTOSTERONE

ADMINISTRATION & DOSAGE

Long-term hormone implant therapy--effects on lipoproteins and steroid levels in post-menopausal women. Fletcher CD, et al. **Acta Endocrinol (Copenh)** 1986 Mar; 111(3):419-23

Combined effects of high doses of rolitetracycline and testosterone on the liver of mice. Götz H, et al. **Arch Int Pharmacodyn Ther** 1986 Apr;280(2):324-8

The EEC and growth promotants [letter] Craft M. **Aust Vet J** 1986 Feb;63(2):12

Direct effects of androgens on lateral hypothalamic neuronal activity in the male rat: II. A pressure ejection study. Orsini JC. **Brain Res Bull** 1985 Dec;15(6):547-52

Failure of high-dose sustained release luteinizing hormone releasing hormone agonist (buserelin) plus oral testosterone to suppress male fertility. Michel E, et al. **Clin Endocrinol (Oxf)** 1985 Dec;23(6):663-75

Effect of administration of sex hormones on immunoglobulin level in immature Japanese quail hens. Wrońska D, et al. **Endokrynol Pol** 1986;37(1):35-9

Heterogeneity of sperm density profiles following 16-week therapy with continuous infusion of high-dose LHRH analog plus testosterone. Pavlou SN, et al. **J Androl** 1986 Jul-Aug;7(4):228-33

Physiological performance, serum hormones, enzymes and lipids of an elite power athlete during training with and without androgens and during prolonged detraining. A case study. Häkkinen K, et al. **J Sports Med Phys Fitness** 1986 Mar;26(1):92-100

Endometrial and menstrual response to subcutaneous oestradiol and testosterone implants and continuous oral progestogen therapy in post-menopausal women. Magos AL, et al. **Maturitas** 1985 Nov;7(4):297-302

Further studies on the effects of testosterone on hypothalamic LH-RH and serum LH levels: castration-induced delayed response. Kalra PS. **Neuroendocrinology** 1985 Sep; 41(3):219-23

Long-term hormone implant therapy--hormonal and clinical effects. Barlow DH, et al. **Obstet Gynecol** 1986 Mar; 67(3):321-5

Effect of bicuculline on sexual activity in castrated male rats. Fernandez-Guasti A, et al. **Physiol Behav** 1986;36(2):235-7

[The state of gametes and the type of maturation of follicular oocytes in rats neonatally androgenized by LH-RH-induced ovulation] Kitaev EM, et al. **Biull Eksp Biol Med** 1986 Jan;101(1):78-9 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

[Hemangiosarcoma of the liver associated with administration of androgenic steroids] Nordsten M. **Ugeskr Laeger** 1985 Aug 12;147(33):2615-6 (Eng. Abstr.) **(Dan)**

ANALOGS & DERIVATIVES

Effects of gonadectomy and sex hormones on the levels of noradrenaline and dopamine in rat hypothalamus. Miśkowiak B. **Acta Physiol Pol** 1985 Mar-Apr;36(2):98-106

Human male sexual functions do not require aromatization of testosterone: a study using tamoxifen, testolactone, and dihydrotestosterone. Gooren LJ. **Arch Sex Behav** 1985 Dec; 14(6):539-48

Androgens and imprinting: differential effects of testosterone on filial preference in the domestic chick. Bolhuis JJ, et al. **Behav Neurosci** 1986 Feb;100(1):51-6

Daily changes in blood serum levels of 17 beta-estradiol and 11-ketotestosterone in the mature carp Cyprinus carpio L. Bieniarz K, et al. **Chronobiologia** 1986 Jan-Mar;13(1):23-7

Androgens, behaviour and nocturnal erection in hypogonadal men: the effects of varying the replacement dose. O'Carroll R, et al. **Clin Endocrinol (Oxf)** 1985 Nov;23(5):527-38

Effect of chronic oral testosterone undecanoate administration on the pituitary-testicular axes of hemodialyzed male patients. van Coevorden A, et al. **Clin Nephrol** 1986 Jul;26(1):48-54

Validation of radioimmunoassay systems for the measurement of 11-keto- and 11 beta-hydroxytestosterone in teleost blood. Rosenblum PM, et al. **Comp Biochem Physiol [B]** 1985;82(4):659-65

Effects of high doses of oestrogens and androgens on lipoproteins: observations in the treatment of excessive growth with sexual hormones. Hinkel GK, et al. **Exp Clin Endocrinol** 1985 Aug;86(1):17-25

The effects of long-term androgen treatment on the ovary. Amirikia H, et al. **Fertil Steril** 1986 Feb;45(2):202-8

Chronic testosterone cypionate therapy in men with secondary impotence. Nankin HR, et al. **Fertil Steril** 1986 Aug;46(2):300-7

The effects of 11-ketotestosterone and testosterone on the skin structure of brown trout, Salmo trutta L. Pottinger TG, et al. **Gen Comp Endocrinol** 1985 Sep;59(3):335-42

Effects of nandrolone decanoate or testosterone decanoate on murine lupus: further evidence for a dissociation of autoimmunosuppressive and endocrine effects. Verheul HA, et al. **Immunopharmacology** 1986 Apr;11(2):93-9

Long-term safety of the oral androgen testosterone undecanoate. Gooren LJ. **Int J Androl** 1986 Feb;9(1):21-6

3-Methylene-substituted androgens as novel aromatization inhibitors. Evidence of a requirement for C-3 oxygen in C-19 hydroxylations. Miyairi S, et al. **J Biol Chem** 1986 May 25;261(15):6772-7

Development of a gas chromatographic-mass spectrometric method using multiple analytes for the confirmatory analysis of anabolic steroids in horse urine. I. Detection of testosterone phenylpropionate administrations to equine male castrates. Dumasia MC, et al. **J Chromatogr** 1986 Apr 25;377:23-33

Multiple hepatic adenomas after long-term therapy with testosterone enanthate. Review of the literature. Carrasco D, et al. **J Hepatol** 1985;1(6):573-8 (18 ref.)

Steroid-bovine serum albumin conjugates: molecular characterization and their interaction with androgen and estrogen receptors. De Goeij AF, et al. **J Steroid Biochem** 1986 May;24(5):1017-31

The use of andriol in treatment of androgen deficiency in transsexual women. Hampl R, et al. **J Steroid Biochem** 1986 Jan;24(1):349-52

Hormonal effects of GnRH agonist in the human male: an approach to male contraception using combined androgen and GnRH agonist treatment. Swerdloff RS, et al. **J Steroid Biochem** 1985 Nov;23(5B):855-61

A study of 19-O-carboxymethyl ether and 19-hemisuccinate derivatives of testosterone: their immunogenicity and use as iodinated radioligands for radioimmunoassay of testosterone. White A, et al. **J Steroid Biochem** 1985 Dec; 23(6A):981-9

Changes in sexual behavior as a function of plasma sex steroid levels in post-menopausal women. Sherwin BB. **Maturitas** 1985 Sep;7(3):225-33

Cerebrovascular accident associated with testosterone therapy in a 21-year-old hypogonadal man [letter] Nagelberg SB, et al. **N Engl J Med** 1986 Mar 6; 314(10):649-50

Low-dose testosterone effect on somatic growth. Rosenfield RL. **Pediatrics** 1986 Jun;77(6):853-7

Effects of an anabolic steroid on reproduction in female rats. Howe GR, et al. **Steroids** 1985 Jun;45(6):497-501

Studies on the kinetics of the interaction of 7 alpha-hydroxytestosterone with the steroid 5 alpha-reductase. Mittler JC. **Steroids** 1985 Feb;45(2):135-42

[The effect of administering testosterone undecanoate on hormone levels in female transsexuals] Stárka L, et al. **Bratisl Lek Listy** 1986 Feb;85(2):202-8 (Eng. Abstr.) **(Cze)**

[Administration of testosterone as an addition to the treatment of impotence of organic origin (letter)] Jevtich MJ. **J Urol (Paris)** 1985;91(5):305 (Fre)

[The effect of hormonal therapy on the breast in the climacteric syndrome in women] Gorilek B. **Jugosl Ginekol Perinatol** 1985 Jan–Apr;25(1–2):21–3 (Eng. Abstr.) (Ser)

ANALYSIS

Elevated concentrations of the beta-subunit of human chorionic gonadotropin and testosterone in the amniotic fluid of gestations of diabetic mothers. Barbieri RL, et al. **Am J Obstet Gynecol** 1986 May;154(5):1039–43

Testicular testosterone concentrations in protein-calorie malnourished rats. Herbert DC. **Arch Androl** 1985; 14(1):45–9

Testosterone concentration in the seminal plasma of cocks. Zeman M, et al. **Br Poult Sci** 1986 Jun;27(2):261–6

Salivary testosterone: relationship to total and free testosterone in serum [letter] Navarro MA, et al. **Clin Chem** 1986 Jan;32(1 Pt 1):231–2

Elevated free testosterone concentration in men and women with acne vulgaris. Lawrence D, et al. **Clin Exp Dermatol** 1986 May;11(3):263–73

Sex hormones and stress in the human male. Christiansen K, et al. **Horm Behav** 1985 Dec;19(4):426–40

Androgen and estradiol levels in plasma and amniotic fluid of late gestational male and female hamsters: uterine position effects. Vomachka AJ, et al. **Horm Behav** 1986 Jun;20(2):181–93

Further evidence for the usefulness of the salivary testosterone radioimmunoassay in the assessment of androgenicity in man in basal and stimulated conditions. Magrini G, et al. **Horm Res** 1986;23(2):65–73

Sex identification of white-tailed deer using frozen venison. Kerr KD. **J Forensic Sci** 1986 Jul;31(3):1108–12

Aromatase activity and concentrations of cortisol, progesterone and testosterone in breast and abdominal adipose tissue. Newton CJ, et al. **J Steroid Biochem** 1986 May;24(5):1033–9

The measurement of testosterone and oestradiol-17 beta using iodinated tracers and incorporating an affinity chromatography extraction procedure. Webb R, et al. **J Steroid Biochem** 1985 Dec;23(6A):1043–51

A study of 19-O-carboxymethyl ether and 19-hemisuccinate derivatives of testosterone: their immunogenicity and use as iodinated radioligands for radioimmunoassay of testosterone. White A, et al. **J Steroid Biochem** 1985 Dec; 23(6A):981–9

Testosterone in infant testis yolk sac tumor composed of a mixture of germ cell and sex cord/stromal elements: a new concept. Teshima S, et al. **Jpn J Cancer Res** 1986 May; 77(5):428–31

[Testosterone in the amniotic fluid] Marinov B, et al. **Akush Ginekol (Sofiia)** 1986;25(1):34–6 (Eng. Abstr.) (Bul)

[Fluctuation in the concentration of sex steroids and aflatoxin B1 in the seminal plasma of boars and its relation to sperm production] Picha J, et al. **Vet Med (Praha)** 1986 Jun; 31(6):347–57 (Eng. Abstr.) (Cze)

[Plasma and salivary androgens in the various stages of the menstrual cycle in women with acne and hirsutism] De Leo V, et al. **Minerva Ginecol** 1986 May;38(5):359–63 (Eng. Abstr.) (Ita)

[Tumor markers in testicular tumors] Jibiki K, et al. **Gan No Rinsho** 1985 Oct;31(13):1709–16 (Eng. Abstr.) (Jpn)

[Salivary testosterone and its applications] Navarro MA, et al. **Med Clin (Barc)** 1986 Feb 8;86(5):179–82 (Eng. Abstr.) (Spa)

[Use of salivary testosterone in hirsutism] Villabona C, et al. **Med Clin (Barc)** 1986 Feb 8;86(5):183–6 (Eng. Abstr.) (Spa)

ANTAGONISTS & INHIBITORS

Ketoconazole in the treatment of acne in women [letter] Ghetti P, et al. **Arch Dermatol** 1986 Jun;122(6):629

BIOSYNTHESIS

Testosterone production in vitro in human testicular tissue. Hammar M, et al. **Andrologia** 1986 Mar–Apr;18(2):196–200

Steroidogenesis and gonadal differentiation in the fetal pig. Raeside JI. **Arch Anat Microsc Morphol Exp** 1985; 74(1):87–90

In vitro interactions between Sertoli cells and steroidogenic cells. Perrard-Sapori MH, et al. **Biochem Biophys Res Commun** 1986 Jan 29;134(2):957–62

Effects of calmodulin and lipoxygenase inhibitors on LH (lutropin)- and LHRH (luliberin)-agonist-stimulated steroidogenesis in rat Leydig cells. Sullivan MH, et al. **Biochem J** 1985 Nov 15;232(1):55–9

The development of placental androstenedione and testosterone production and their utilization by the ovary for aromatization to estrogen during rat pregnancy. Jackson JA, et al. **Biol Reprod** 1985 Sep;33(2):451–7

Progesterone and testosterone production by dispersed rat placental cells. Matt DW, et al. **Biol Reprod** 1986 Apr; 34(3):587–93

Desensitization of mouse Leydig cells in vivo: evidence for the depletion of cellular cholesterol. Schumacher M, et al. **Biol Reprod** 1985 Sep;33(2):335–45

Inhibition of testosterone production with ketoconazole alone and in combination with a gonadotropin releasing hormone analogue in the rat. English HF, et al. **Cancer Res** 1986 Jan;46(1):38–42

Decrease in testicular testosterone synthesis by melatonin-free pineal extract in the rat. Damian E, et al. **Endocrinologie** 1985 Jul–Sep;23(3):151–4

Hormonal effects of ketoconazole in vivo in the male rat: mechanism of action. Bhasin S, et al. **Endocrinology** 1986 Mar;118(3):1229–32

Testicular blood flow, vascular permeability, and testosterone production after stimulation of unilaterally cryptorchid adult rats with human chorionic gonadotropin. Damber JE, et al. **Endocrinology** 1985 Nov;117(5):1906–13

Restoration effects of exogenous luteinizing hormone on the testicular steroidogenesis and Leydig cell ultrastructure. Wing TY, et al. **Endocrinology** 1985 Nov;117(5):1779–87

The effect of exercise on the production and clearance of testosterone in well trained young men. Cadoux-Hudson TA, et al. **Eur J Appl Physiol** 1985;54(3):321–5

Atrial natriuretic factor stimulates testosterone production by mouse interstitial cells. Bex F, et al. **Eur J Pharmacol** 1985 Sep 10;115(1):125–6

Testosterone production by mouse Leydig cells is stimulated in vitro by atrial natriuretic factor. Mukhopadhyay AK, et al. **FEBS Lett** 1986 Jun 23;202(1):111–6

Early sex differences in hormonal potentialities of gonads from quail embryos with a sex-linked pigmentation marker: an in vitro radioimmunoassay study. Scheib D, et al. **Gen Comp Endocrinol** 1985 Nov;60(2):266–72

Hormonal regulation of testicular human chorionic gonadotropin binding and steroidogenesis in adult mice with different forms of hereditary diabetes and obesity. Amador AG, et al. **Horm Res** 1986;23(4):215–24

Contribution of the adrenal gland to the production of androstenedione and testosterone during the first two years of life. Bidlingmaier F, et al. **J Clin Endocrinol Metab** 1986 Feb;62(2):331–5

Relationships between plasma progesterone levels and testicular testosterone production in the rat fetus: effects of maternal ovariectomy. Habert R, et al. **J Endocrinol** 1986 Mar;108(3):361–7

Regulation of testosterone production in Leydig cells from fetal mice under dynamic conditions: effect of human chorionic gonadotrophin and 8-bromo-cyclic AMP. Pointis G, et al. **J Endocrinol** 1985 Dec;107(3):409–14

The interaction of hCG, hydroxysteroids and interstitial fluid on rat Leydig cell steroidogenesis in vitro. Risbridger GP, et al. **J Reprod Fertil** 1986 May;77(1):239–45

Differential effects of follicle-stimulating and luteinizing hormones on testosterone production by mouse testes. Dalterio SL, et al. **J Steroid Biochem** 1986 Jul;25(1):149–56

Regulation of testicular steroidogenesis by gonadotropin-releasing hormone agonists and antagonists. Huhtaniemi I, et al. **J Steroid Biochem** 1986 Jan; 24(1):169–76

Inhibition of steroidogenic cytochrome P-450 enzymes in rat testis by ketoconazole and related imidazole anti-fungal drugs. Kan PB, et al. **J Steroid Biochem** 1985 Dec; 23(6A):1023–9

Absence of LHRH effect on testosterone production by Leydig cells from fetal mouse testis. Pointis G, et al. **J Steroid Biochem** 1986 Jan;24(1):307–10

Effects of delta 9-tetrahydrocannabinol on testosterone production in vitro: influence of Ca++, Mg++ or glucose. Dalterio S, et al. **Life Sci** 1985 Oct 14; 37(15):1425–33

LH-RH antagonist inhibits gonadal steroid secretion in vitro. Spona J, et al. **Peptides** 1985 May–Jun;6(3):379–82

Regulation of microsomal cytochrome P-450 enzymes and testosterone production in Leydig cells. Payne AH, et al. **Recent Prog Horm Res** 1985;41:153–97 (71 ref.)

Effect of in vitro ketoconazole on steroid production in rat testis. Rajfer J, et al. **Steroids** 1985 Oct–Nov;46(4–5):867–81

[Determination of the gonadotropic effectiveness of preparations from pregnant mare serum. 4. Application of the testosterone production assay using Leydig interstitial cells of mice] Tiemann U, et al. **Arch Exp Veterinarmed** 1985 May;39(3):414–21 (Eng. Abstr.) (Ger)

[Steroid synthesis in Leydig cells is also controlled by cytochrome P-450 activities] Merk H. **Z Hautkr** 1986 Apr 1;61(7):427–8 (Ger)

BLOOD

Modulation of immunoreactive somatomedin-C levels by sex steroids. Caufriez A, et al. **Acta Endocrinol (Copenh)** 1986 Jun;112(2):284–9

Ontogenesis of androgen receptors in the mouse submandibular gland: correlation with the developmental profiles of circulating thyroid and testicular hormones. Minetti CA, et al. **Acta Endocrinol (Copenh)** 1986 Jun; 112(2):290–5

The luteinizing hormone response to luteinizing hormone-releasing hormone, prostaglandin E2 and naloxone is modulated by divergent sensitivity to testosterone feedback. Schweiger U, et al. **Acta Endocrinol (Copenh)** 1985 Nov;110(3):338–45

A new method for free testosterone assay: clinical evaluation. Falsetti L, et al. **Acta Eur Fertil** 1985 Sep–Oct;16(5):343–6

Selective and/or overlapping effect of pituitary hormones (thyrotropin, gonadotropin) on serum thyroxin and testosterone level in newly hatched cockerels. Dobozy O, et al. **Acta Physiol Hung** 1985;66(2):177–81

Gonadotropins in seminal plasma and blood serum and testosterone in blood serum of males treated for infertile marriage. Kačer J, et al. **Acta Univ Palacki Olomuc Fac Med** 1981;101:155–8

The sex steroids influence on uric acid binding to human plasma proteins. Morozzi G, et al. **Adv Exp Med Biol** 1986; 195 Pt A:393–403

Testosterone levels and androgen-producing neoplasms [letter] Meldrum DR. **Am J Obstet Gynecol** 1986 Apr; 154(4):965–6

Testosterone, FSH and LH in human spermatic and cubital venous plasma in varicocele patients. Bablok L, et al. **Andrologia** 1985 Jul–Aug;17(4):346–51

Impaired in vitro testicular endocrine function in elderly men. Hammar M. **Andrologia** 1985 Sep–Oct;17(5):444–9

Ultrastructure of the testis in an XX-male with normal plasma testosterone. Sasagawa I, et al. **Andrologia** 1986 Jul–Aug;18(4):361–7

Increase in serum testosterone following contact with blood cells. Hammer EJ, et al. **Ann Clin Biochem** 1985 Sep;22 (Pt 5):539–40

Reduction of serum testosterone levels during chronic glucocorticoid therapy. MacAdams MR, et al. **Ann Intern Med** 1986 May;104(5):648–51

Semen characteristics in pubertal boys. IV. Semen quality and hormone profile. Janczewski Z, et al. **Arch Androl** 1985; 15(2–3):219–23

Fertility and hormonal function in patients with a nonseminomatous tumor of the testis. Nijman JM, et al. **Arch Androl** 1985;14(2–3):239–46

Nocturnal penile tumescence and serum testosterone levels. Fenwick PB, et al. **Arch Sex Behav** 1986 Feb;15(1):13–21

Relationships among sexual behavior, hot flashes, and hormone levels in perimenopausal women. McCoy N, et al. **Arch Sex Behav** 1985 Oct;14(5):385–94

Circulating steroids in male rats following inhalation of n-alcohols. Cameron AM, et al. **Arch Toxicol [Suppl]** 1985; 8:422–4

Free and bound testosterone in male heroin addicts. Lafisca S, et al. **Arch Toxicol [Suppl]** 1985;8:394–7

Sex hormone levels in young Indian patients with myocardial infarction. Sewdarsen M, et al. **Arteriosclerosis** 1986 Jul–Aug;6(4):418–21

The free androgen index and mild hirsutism. Moses R, et al. **Australas J Dermatol** 1986 Apr;27(1):27–8

Serum androstenedione and testosterone concentrations during pregnancy and nonpregnant cycles in dogs. Concannon PW, et al. **Biol Reprod** 1985 Dec;33(5):1078–83

Annual variations in plasma sex steroid-binding protein and testosterone concentrations in the adult male little brown bat: relation to the asynchronous recrudescence of the testis and accessory reproductive organs. Gustafson AW, et al. **Biol Reprod** 1985 Dec;33(5):1126–37

Effects of intermittent pulsatile infusion of luteinizing hormone-releasing hormone on dihydrotestosterone-suppressed gonadotropin secretion in castrate rams. Schanbacher BD. **Biol Reprod** 1985 Oct; 33(3):603–11

Alterations in sex steroid-binding protein (SBP), corticosteroid-binding globulin (CBG), and steroid hormone concentrations during pregnancy in rhesus macaques. Stanczyk FZ, et al. **Biol Reprod** 1986 Aug; 35(1):126–32

Plasma testosterone concentrations in asthmatic men treated with glucocorticoids. Reid IR, et al. **Br Med J [Clin Res]** 1985 Aug 31;291(6495):574

Plasma testosterone concentrations in asthmatic men treated with glucocorticoids [letter] Semple PD, et al. **Br Med J [Clin Res]** 1985 Oct 12;291(6501):1051

Relationships between sexual activity, plasma testosterone, and the volume of the sexually dimorphic nucleus of the preoptic area in prenatally stressed and non-stressed rats. Anderson RH, et al. **Brain Res** 1986 Apr 2;370(1):1–10

Plasma concentration profiles of gonadotrophins and testosterone in the adult boar. Liptrap RM, et al. **Can J Vet Res** 1986 Jul;50(3):427–32

Role of serum androgens and sex hormone binding globulin capacity in the evaluation of hirsutism in women. Andreyko JL, et al. **Clin Biochem** 1986 Feb;19(1):58–61

Plasma free testosterone: equilibrium dialysis vs direct radioimmunoassay. Cheng RW, et al. **Clin Chem** 1986 Jul; 32(7):1411

Measurement of serum testosterone: results of the "Farmos" SHBG IRMA kit and the "Coat-A-Count" free testosterone kit compared with salivary testosterone. Thomas CM, et al. **Clin Chem** 1986 Apr;32(4):702

Serum bioavailability of sex steroid hormones. Pardridge WM. **Clin Endocrinol Metab** 1986 May;15(2):259–78 (39 ref.)

The effect of dehydroepiandrosterone sulfate prolactin and testosterone hormones in female fertility and hirsutism. Colakoglu M. **Clin Exp Obstet Gynecol** 1986;13(1–2):32–4

Abnormalities of sex hormones in men with systemic lupus erythematosus. Carrabba M, et al. **Clin Rheumatol** 1985 Dec;4(4):420–5

Relationship of age to seasonal levels of LH, FSH, prolactin and testosterone in male, white-tailed deer. Bubenik GA, et al. **Comp Biochem Physiol [A]** 1986;83(1):179–83

Seasonal variation in plasma testosterone, luteinizing hormone concentrations and LH-RH responsiveness in

mature, male rusa deer (Cervus rusa timorensis). van Mourik S, et al. **Comp Biochem Physiol [A]** 1986; 83(2):347–51

Restoration of blood levels of testosterone in male uremics following a low protein diet supplemented with essential amino acids and ketoanalogues. Barsotti G, et al. **Contrib Nephrol** 1985;49:63–9

Effect of chlorthalidone on zinc levels, testosterone, and sexual function in man. Geissler AH, et al. **Drug Nutr Interact** 1986;4(3):275–83

Brain 5-hydroxytryptamine and plasma testosterone in L-tryptophan treated rats. Biswas NM, et al. **Endocr Res** 1985;11(3–4):131–7

Circadian and circannual variations of FSH, LH, testosterone, dehydroepiandrosterone-sulfate (DHEA-S) and 17-hydroxy progesterone (17 OH-Prog) in elderly men and women. Nicolau GY, et al. **Endocrinologie** 1985 Oct-Dec;23(4):223–46

Pharmacological induction of 5 alpha-reductase deficiency in the rat: separation of testosterone-mediated and 5 alpha-dihydrotestosterone-mediated effects. Blohm TR, et al. **Endocrinology** 1986 Sep;119(3):959–66

The androgen status of aging male rhesus macaques. Kaler LW, et al. **Endocrinology** 1986 Aug;119(2):566–71

Stress-induced elevation of testosterone concentration in high ranking baboons: role of catecholamines. Sapolsky RM. **Endocrinology** 1986 Apr;118(4):1630–5

Pulsatile release of luteinizing hormone and testosterone in male ferrets. Sisk CL, et al. **Endocrinology** 1986 Sep; 119(3):1195–203

Comparison of the measurement of plasma testosterone and plasma oestrogens for the diagnosis of cryptorchidism in the horse. Cox JE, et al. **Equine Vet J** 1986 May; 18(3):179–82

Plasma testosterone and breast cancer. Hill P, et al. **Eur J Cancer Clin Oncol** 1985 Oct;21(10):1265–6

Effect of a single administration of ketoconazole on total and physiologically free plasma testosterone and 17 beta-oestradiol levels in healthy male volunteers. De Coster R, et al. **Eur J Clin Pharmacol** 1985;29(4):489–93

Suppression of annual plasma testosterone and thyroxine cycles in the edible dormouse Glis glis under constant photoperiod at 24 degrees C. Jallageas M, et al. **Experientia** 1986 Feb 15;42(2):171–3

Measurement of semen quality, fertility, and reproductive hormones to assess dibromochloropropane (DBCP) effects in live rabbits. Foote RH, et al. **Fundam Appl Toxicol** 1986 May;6(4):628–37

Effect of mammalian luteinizing hormone-releasing hormone on plasma testosterone in male alligators, with observations on the nature of alligator hypothalamic gonadotropin-releasing hormone. Lance VA, et al. **Gen Comp Endocrinol** 1985 Nov;60(2):138–43

Seasonal variations in spermatogenesis, testicular weights, vasa deferentia, and androgen levels in neotenic male tiger salamanders, Ambystoma tigrinum. Norris DO, et al. **Gen Comp Endocrinol** 1985 Oct;60(1):51–7

The effect of neuroleptic drugs on serum testosterone level in the male rat. Okonmah AD, et al. **Gen Pharmacol** 1986; 17(2):235–8

The influence of social cues on the reproductive endocrinology of male brown-headed cowbirds: field and laboratory studies. Dufty AM Jr, et al. **Horm Behav** 1986 Jun;20(2):222–34

Sex difference in serum testosterone response to long-distance swimming. Dulac S, et al. **Horm Metab Res** 1986 Jun;18(6):420–1

Gonadal dysfunction in the spontaneously diabetic BB rat: alterations of testes morphology, serum testosterone and LH. Murray FT, et al. **Horm Metab Res** 1985 Oct; 17(10):495–501

Low testosterone syndrome in ill patients: correlation with the "low T3 syndrome" Schlienger JL, et al. **Horm Metab Res** 1986 Jan;18(1):71–2

Effects of castration on androstenedione, testosterone and dihydrotestosterone plasma levels in adult male rats. Andò S, et al. **Horm Res** 1986;23(2):122–7

Dynamic study of serum gonadotrophin and testosterone levels in gossypol-treated men. Long term follow-up study of 60 cases. Zhang GY, et al. **Int J Androl** 1985 Jun; 8(3):177–85

Treatment with preparations of human leukocyte interferon decreases serum testosterone concentrations in men [letter] Orava M, et al. **Int J Cancer** 1986 Aug 15;38(2):295–6

Effect of training on plasma anabolic and catabolic steroid hormones and their response during physical exercise. Adlercreutz H, et al. **Int J Sports Med** 1986 Jun;7 Suppl 1:27–8

Effects of endurance training on the androgenic response to exercise in man. Fellmann N, et al. **Int J Sports Med** 1985 Aug;6(4):215–9

The effect of ergobromocriptine on serum testosterone and prolactin levels in patients with carcinoma of the prostate. Taşar C, et al. **Int Urol Nephrol** 1986;18(1):71–4

Alcohol and testosterone levels [letter] Barrett-Connor E. **J Am Geriatr Soc** 1986 Apr;34(4):325–6

Dose and time relationships in the endocrine response of the irradiated adult rat testis. Delic JI, et al. **J Androl** 1986 Jan-Feb;7(1):32–41

Concentrations of free testosterone, total testosterone, and androgen binding protein in the peripheral serum of male rats during sexual maturation. Nazian SJ. **J Androl** 1986 Jan-Feb;7(1):49–54

Elevation of serum testosterone during chronic LHRH agonist treatment in the bull. Melson BE, et al. **J Anim Sci** 1986 Jan;62(1):199–207

Inability to predict sexual and aggressive behaviors by plasma concentrations of testosterone and luteinizing hormone in Hereford bulls. Price EO, et al. **J Anim Sci** 1986 Mar; 62(3):613–7

Suppression of plasma gonadotropins and testosterone in adult male monkeys (Macaca fascicularis) by a potent inhibitory analog of gonadotropin-releasing hormone. Adams LA, et al. **J Clin Endocrinol Metab** 1986 Jan; 62(1):58–63

Elevated beta-human chorionic gonadotropin and testosterone in cord serum of male infants of diabetic mothers. Barbieri RL, et al. **J Clin Endocrinol Metab** 1985 Nov;61(5):976–9

Non-sex hormone-binding globulin-bound testosterone as a marker for hyperandrogenism. Cumming DC, et al. **J Clin Endocrinol Metab** 1985 Nov;61(5):873–6

Effects of severe dietary restriction on male reproductive hormones. Hoffer LJ, et al. **J Clin Endocrinol Metab** 1986 Feb;62(2):288–92

Serum levels of vitamin D metabolites and testosterone in male puberty. Krabbe S, et al. **J Clin Endocrinol Metab** 1986 Mar;62(3):503–7

Single subcutaneous doses of a luteinizing hormone-releasing hormone antagonist suppress serum gonadotropin and testosterone levels in normal men. Pavlou SN, et al. **J Clin Endocrinol Metab** 1986 Aug;63(2):303–8

Self-priming effect of luteinizing hormone-human chorionic gonadotropin (hCG) upon the biphasic testicular response to exogenous hCG. I. Serum testosterone profile. Ullos-Aguirre A, et al. **J Clin Endocrinol Metab** 1985 Nov; 61(5):926–32

Elevated testosterone levels during nonbreeding-season territoriality in a fall-breeding lizard, Sceloporus jarrovi. Moore MC. **J Comp Physiol [A]** 1986 Feb;158(2):159–63

Effect of intraventricular injection of 5,6-dihydroxytryptamine on spermatogenesis and plasma testosterone levels in the rat. Das TK, et al. **J Endocrinol** 1985 Sep;106(3):395–400

Testosterone and calcitonin plasma levels in hypogonadal osteoporotic young men. Foresta C, et al. **J Endocrinol Invest** 1985 Aug;8(4):377–9

Plasma testosterone, estradiol, progesterone and 17-hydroxy-progesterone responses to single-dose stimulation with human chorionic gonadotropin in chronic male alcoholics. Gatti G, et al. **J Endocrinol Invest** 1985 Aug;8(4):313–9

Free plasma testosterone levels during the normal menstrual cycle. Mathor MB, et al. **J Endocrinol Invest** 1985 Oct; 8(5):437–41

Seasonal variations in hair pigmentation of white-tailed deer and their relationship to sexual activity and plasma testosterone. Bubenik GA, et al. **J Exp Zool** 1985 Sep; 235(3):387–95

Hormonal responses to gonadotrophin releasing hormone during testicular development in male African green monkeys. Brady AG, et al. **J Med Primatol** 1985; 14(6):293–304

Obesity, acanthosis nigricans, insulin resistance, and hyperandrogenemia: pediatric perspective and natural history. Richards GE, et al. **J Pediatr** 1985 Dec; 107(6):893–7

Influence of subcutaneous melatonin implantation on gonadal development and on plasma levels of luteinizing hormone, testosterone, estradiol, and corticosterone in the pigeon. John TM, et al. **J Pineal Res** 1986;3(2):169–79

Antigonadal actions of olfactory and light deprivation. I. Effects of blindness combined with olfactory bulb deafferentation, transection of vomeronasal nerves, or bulbectomy. Sánchez-Barceló EJ, et al. **J Pineal Res** 1985; 2(2):177–90

Serum profiles of androstenedione, testosterone and LH from birth through puberty in buffalo bull calves. Hemeida NA, et al. **J Reprod Fertil** 1985 Jul;74(2):311–6

Endocrine differences in rams after genetic selection for testis size. McNeilly JR, et al. **J Reprod Fertil** 1986 Jan; 76(1):131–40

Sex steroid hormone binding globulin levels and free 17 beta-estradiol and testosterone in cynomolgus monkeys during different reproductive states. Koritnik DR, et al. **J Steroid Biochem** 1986 Jul;25(1):135–41

Plasma dehydroepiandrosterone, its sulfate, testosterone and FSH during puberty of African children in Gabon. Mavoungou D, et al. **J Steroid Biochem** 1986 Feb; 24(2):645–51

The regulation of the biologically available fractions of oestradiol and testosterone in plasma. Reed MJ, et al. **J Steroid Biochem** 1986 Jan;24(1):317–20

Regulation of serum testosterone in men with steroid sulfatase deficiency: response to human chorionic gonadotropin. Ruokonen A, et al. **J Steroid Biochem** 1986 Jul;25(1):113–9

The temperature dependence of the binding of 5 alpha-dihydrotestosterone, testosterone and estradiol to the sex hormone globulin (SHBG) of human plasma. Shanbhag VP, et al. **J Steroid Biochem** 1986 Feb;24(2):549–55

Nonsteroidal substances that affect serum free testosterone. Umstot ES, et al. **J Steroid Biochem** 1986 Aug;25(2):225–9

Reproductive toxicity of 2,4-toluenediamine in the rat. 2. Spermatogenic and hormonal effects. Thysen B, et al. **J Toxicol Environ Health** 1985;16(6):763–9

Gonadotropin and testosterone response in prepubertal boys with hypospadias. Shima H, et al. **J Urol** 1986 Mar; 135(3):539–42

Weight loss in amateur wrestlers and its effect on serum testosterone levels. Strauss RH, et al. **JAMA** 1985 Dec 20;254(23):3337–8

Serum testosterone levels in healthy young black and white men. Ross R, et al. **JNCI** 1986 Jan;76(1):45–8

Missing effect of etomidate on testosterone secretion in man. Allolio B, et al. **Klin Wochenschr** 1986 Jan 15;64(2):86–8

Concentration of lipid, apoprotein-B and testosterone in patients with coronarographic findings. Hromadová M, et al. **Klin Wochenschr** 1985 Oct 15;63(20):1071–4

Long-term effects of buserelin on plasma testosterone and luteinising hormone concentrations [letter] Lock MT, et al. **Lancet** 1985 Nov 30;2(8466):1236–7

Effects of dopaminergic drugs on plasma levels of steroid hormones in conscious dogs. Goiny M, et al. **Life Sci** 1986 Jun 23;38(25):2293–300

Testicular endocrine function in the ageing male. Vermeulen A, et al. **Maturitas** 1985 Sep;7(3):273–9

Long-term transdermal dihydrotestosterone therapy: effects on pituitary gonadal axis and plasma lipoproteins. Vermeulen A, et al. **Maturitas** 1985 Sep;7(3):281–7

Effect of abdominal vagotomy at proestrus on ovarian weight, ovarian antral follicles, and serum levels of gonadotropins, estradiol, and testosterone in the rat. Burden HW, et al. **Neuroendocrinology** 1986;42(6):449–55

Androgen and estrogen secretion by normal and neoplastic ovaries in premenopausal women. Aiman J, et al. **Obstet Gynecol** 1986 Sep;68(3):327–32

Hirsutism in pregnancy. Patterson R. **Obstet Gynecol** 1985 Nov;66(5):738–40

Prenatal nicotine affects fetal testosterone and sexual dimorphism of saccharin preference. Lichtensteiger W, et al. **Pharmacol Biochem Behav** 1985 Sep;23(3):439–44

Subordination in male talapoin monkeys lowers sexual behaviour in the absence of dominants. Eberhart JA, et al. **Physiol Behav** 1985 Nov;35(5):673–7

Sex behavior and the sexually dimorphic hypothalamic nucleus in male Zucker rats. Young JK, et al. **Physiol Behav** 1986;36(5):881–6

Long-term effect of incubation temperatures on production parameters and changes in luteinizing hormone and gonadal steroids during the onset of lay in the hen. Decuypere E, et al. **Poult Sci** 1985 Sep;64(9):1785–92

Effects of gonadotropin-releasing hormone treatment on ovarian steroid production during midpregnancy. Sridaran R. **Proc Soc Exp Biol Med** 1986 May;182(1):120–6

HDL cholesterol, hormones and the pathogenesis of ischaemic heart disease. Heller RF. **Przegl Lek** 1985; 42(8):625–8 **(Eng, Pol)**

Proposed relation of testosterone levels to male suicides and sudden deaths. Roland BC, et al. **Psychol Rep** 1986 Aug; 59(1):100–2

Changes in gonadotropin regulation in both behavioral and phenotypic disturbances of sexual differentiation in men. Kula K. **Psychoneuroendocrinology** 1986;11(1):61–7

Routine endocrine screening in impotence. Maatman TJ, et al. **Urology** 1986 Jun;27(6):499–502

Clinical relevance of plasma testosterone and prolactin changes in advanced cancer of prostate treated with diethylstilbestrol or estramustine phosphate. Morales A, et al. **Urology** 1985 Nov;26(5):477–81

Peripheral androgen levels in peripuberal rams infected with Fasciola hepatica. Fleming MW, et al. **Vet Parasitol** 1986 Feb;19(3–4):295–9

Circulating steroids [letter] Allen WE, et al. **Vet Rec** 1986 May 3;118(18):519

[Effect of gossypol on serum gonadotropin and testosterone levels: long-term follow-up study] Zhang LS. **Chung Hua I Hsueh Tsa Chih** 1985 Aug;65(8):464–7 **(Chi)**

[Observation on levels of serum LH and plasma testosterone in workers exposed to fast neutrons while searching for mines] Li CZ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1984 Nov;18(6):346–8 (Eng. Abstr.) **(Chi)**

[Effect of tyrosine on serum concentrations of LH, FSH and testosterone in adult men] Ni J, et al. **Sheng Li Hsueh Pao** 1985 Jun;37(3):303–6 (Eng. Abstr.) **(Chi)**

[Changes of serum concentrations of testosterone, LH and FSH in men taking gossypol] Wang WC, et al. **Yao Hsueh Hsueh Pao** 1985 Sep;20(9):696–8 (Eng. Abstr.) **(Chi)**

[Experience with the routine determination of testosterone without the use of a kit] Wernischová V, et al. **Sb Lek** 1986 Jul;88(7):203–12 (Eng. Abstr.) **(Cze)**

[Development of blood testosterone in the embryo and young chick after precocious bursectomy] Ramade F, et al. **C R Soc Biol (Paris)** 1986;180(1):64–8 (Eng. Abstr.) **(Fre)**

[Changes of testoterone-binding protein and free testosterone in patients with acute viral hepatitis (letter)] Murialdo G, et al. **Presse Med** 1986 Jan 18;15(2):78 **(Fre)**

[Does sex hormone balance modify the pathogenesis of laryngeal cancer?] Deitmer T, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Jul;65(7):392–4 (Eng. Abstr.) **(Ger)**

[Selective venous catheterization in the evaluation of androgenism] Urdl W, et al. **Wien Klin Wochenschr** 1986

May 30;98(11):357–61 (Eng. Abstr.) (Ger)
[Gonadal and adrenocortical hormone changes in myocardial infarct] Rühlmann C, et al. **Z Gesamte Inn Med** 1985 Sep 1;40(17):505–9 (Eng. Abstr.) (Ger)
[Defects of testosterone biosynthesis, testosterone metabolism and androgen response] Göretzlehner G. **Zentralbl Gynakol** 1985;107(21):1273–81 (Eng. Abstr.) (Ger)
[Effects of etretinate on spermatogenesis and endocrine parameter function in man] Suzuki A, et al. **Hinyokika Kiyo** 1986 Jan;32(1):55–9 (Eng. Abstr.) (Jpn)
[Longitudinal study on circadian rhythms of plasma hormone levels during Japanese Antarctic Research Expedition] Takagi T. **Hokkaido Igaku Zasshi** 1986 Jan;61(1):121–33 (Eng. Abstr.) (Jpn)
[Testosterone radioimmunoassay with 125I–testosterone kits] Kawamura J, et al. **Kaku Igaku** 1986 Apr;23(4):431–8 (Jpn)
[The evaluation of serum estradiol, progesterone, testosterone concentrations and urinary estrogen excretion level for the monitoring indices of follicular maturation] Uehara S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Sep; 37(9):1849–58 (Eng. Abstr.) (Jpn)
[Effect of treatment with tamoxifen on serum levels of various steroid and protein hormones in women with breast cancer] Grodecka–Gazdecka S, et al. **Endokrynol Pol** 1985; 36(6):341–8 (Eng. Abstr.) (Pol)
[State of the hypothalamo–hypophyseo–ovarian function in patients with hyperandrogenemia during treatment with spironolactone] Komarov EK, et al. **Akush Ginekol (Mosk)** 1985 Aug;(9):60–1 (Rus)
[Basal levels and diurnal rhythm of plasma concentrations of sex steroids and cortisol in women with Itsenko–Cushing syndrome at various stages of treatment] Manusharova RA, et al. **Akush Ginekol (Mosk)** 1985 Aug;(9):29–32 (Rus)
[Changes in sexual functioning in the male rat after total or anterior deafferentation of the mediobasal hypothalamus] Savchenko ON, et al. **Fiziol Zh SSSR** 1986 Mar;72(3):311–5 (Eng. Abstr.) (Rus)
[Dynamics of pituitary gonadotropin and sex hormone levels in men with myocardial infarction during rehabilitation] Kurbanov VA, et al. **Kardiologiia** 1986 Mar;26(3):84–7 (Eng. Abstr.) (Rus)
[Diagnostic value of determining the levels of testosterone, estradiol and testosterone–estradiol–binding globulin in the plasma] Bezverkhaia TP, et al. **Lab Delo** 1986;(6):330–3 (Eng. Abstr.) (Rus)
[Corticosteroids and sex hormones in the plasma of healthy boys and men] Timofeeva GA, et al. **Lab Delo** 1986; (6):378–9 (Rus)
[Androgen receptors in the pubic skin and testosterone content of the blood in women with hirsutism] Farta LIa, et al. **Probl Endokrinol (Mosk)** 1985 May–Jun;31(3):29–33 (Eng. Abstr.) (Rus)
[Testosterone content of the blood in women with Itsenko–Cushing disease] Manusharova RA, et al. **Probl Endokrinol (Mosk)** 1985 May–Jun;31(3):36–8 (Eng. Abstr.) (Rus)
[Determination of the body level of androgen saturation in men] Beleda RV, et al. **Voen Med Zh** 1986 Apr;(4):47–8 (Rus)
[Effect of RL–175 on testosterone and corticosterone levels in the plasma of male albino rats] Lokhov RE, et al. **Vopr Med Khim** 1985 Nov–Dec;31(6):86–8 (Eng. Abstr.) (Rus)
[Sex steroid hormones, their receptors and local immunologic processes in experimental carcinogenesis of the larynx] Bassalyk LS, et al. **Vopr Onkol** 1985;31(9):71–7 (Eng. Abstr.) (Rus)
[Changes in the function of the hypothalamic–hypophyseal–gonadal axis in the male with hepatic cirrhosis] Conde Yagüe R, et al. **Rev Clin Esp** 1985 Jun;177(2):53–6 (Eng. Abstr.) (Spa)

CHEMICAL SYNTHESIS

[1,2,3,4–13C] testosterone and [1,2,3,4–13C] estradiol. Zomer G, et al. **Steroids** 1984 Oct;44(4):283–92

DIAGNOSTIC USE

Sex differences in adrenocortical structure and function. XXI. The effects of gonadectomy and testosterone or estradiol replacement on mitotic activity of the rat adrenal cortex. Kasprzak A, et al. **Exp Clin Endocrinol** 1986 Jun; 87(1):26–30
The effect of androgens on the pulsatile release and the twenty–four–hour mean concentration of growth hormone in peripubertal males. Link K, et al. **J Clin Endocrinol Metab** 1986 Jan;62(1):159–64

IMMUNOLOGY

Active immunization of prepubertal boars against testosterone: testicular and endocrine responses at 14 months of age. Thompson DL Jr, et al. **J Anim Sci** 1985 Dec;61(6):1498–504

METABOLISM

Metabolism and receptor binding of nandrolone and testosterone under in vitro and in vivo conditions. Bergink EW, et al. **Acta Endocrinol [Suppl] (Copenh)** 1985;271:31–7
Effects of solvent exposure on testosterone levels and butyrylcholinesterase activity in mice. Kjellstrand P, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Oct;57(4):242–9
Testosterone transport in brain: primary role of plasma protein–bound hormone. Pardridge WM, et al. **Am J Physiol** 1985 Nov;249(5 Pt 1):E534–42
Effect of pineal gland on testosterone release in vitro. Jarrige JF, et al. **Andrologia** 1986 May–Jun;18(3):299–303
Interactions among motility, fertilizing ability, and testosterone binding on spermatozoa of bonnet monkey (Macaca radiata). Warikoo PK, et al. **Arch Androl** 1986; 16(2):135–41
Testicular peptides and their endocrine and paracrine functions. Steinberger A, et al. **Arch Biol Med Exp (Santiago)** 1984 Dec;17(3–4):267–71
Effects of lindane on testosterone metabolism in neuroendocrine organs of male rat. Simić B, et al. **Arh Hig Rada Toksikol** 1985 Mar;36(1):11–7
High–affinity binding of testosterone in serum from normal developing chick embryos and during the graft–versus–host reaction. Savu L, et al. **Biochim Biophys Acta** 1986 Mar 19;881(1):15–21
Androgen receptor dynamics in the rat ventral prostate. Steinsapir J, et al. **Biochim Biophys Acta** 1985 Sep 27; 842(1):1–11
Brain testosterone metabolism during ontogeny in the zebra finch. Balthazart J, et al. **Brain Res** 1986 Jul 23; 378(2):240–50
Lack of sexual dimorphism in steroid accumulation in vocal control brain regions of duetting song birds. Brenowitz EA, et al. **Brain Res** 1985 Sep 30;344(1):172–5
Regional [3H]testosterone uptake in the brain of isolated non–aggressive mice. DaVanzo JP, et al. **Brain Res** 1986 Mar 26;369(1–2):224–30
Development of testosterone–metabolizing pathways in the avian brain: enzyme localization and characteristics. Hutchison JB, et al. **Brain Res** 1986 Feb;390(1):33–42
Active uptake of testosterone by androgen receptors of hepatocellular carcinoma in humans. Nagasue N, et al. **Cancer** 1986 Jun 1;57(11):2162–7
Comparison of the effects of feprazone and phenylbutazone on testosterone hydroxylations in mouse hepatic microsomes. Morita K, et al. **Chem Pharm Bull (Tokyo)** 1986 Jan;34(1):214–20
Effects of tamoxifen on testosterone metabolism in postmenopausal women with breast cancer. Bird CE, et al. **Clin Invest Med** 1985;8(2):97–102
Testosterone metabolism in rat liver cytosolic androgen binding assays. Sunahara GI, et al. **Drug Metab Dispos** 1986 May–Jun;14(3):366–9
Suppression of the intratesticular testosterone is associated with quantitative changes in spermatogonial populations in intact adult rats. Huang HF, et al. **Endocrinology** 1986 Feb;118(2):619–27
The nuclear accumulation of [3H]testosterone and [3H]estradiol in the brain of the female primate: evidence for the aromatization hypothesis. Michael RP, et al. **Endocrinology** 1986 May;118(5):1935–44
Sites of action of testosterone in the brain of the female primate. Rees HD, et al. **Exp Brain Res** 1986;63(1):67–75
The effect of selective destruction and regeneration of rat Leydig cells on the intratesticular distribution of testosterone and morphology of the seminiferous epithelium. Bartlett JM, et al. **J Androl** 1986 Jul–Aug; 7(4):240–53
Serum bioavailability and tissue metabolism of testosterone and estradiol in rat salivary gland. Cefalu WT, et al. **J Clin Endocrinol Metab** 1986 Jul;63(1):20–8
Developmental changes in the rate of production of an unusual testosterone metabolite, 4–androstene–3 alpha, 17 beta–diol, by chick liver microsomes. Darby NJ, et al. **J Endocrinol** 1985 Nov;107(2):205–9
Steroid secretion by human oocyte—corona—cumulus complexes associated with conceptions following in vitro fertilization. Laufer N, et al. **J In Vitro Fert Embryo Transfer** 1985 Sep;2(3):156–61
Unique induction of cytochrome P–450 isozymes in rat liver microsomes by treatment with 3,4,5,3',4'–pentachlorobiphenyl and its effect on testosterone metabolism. Nagata K, et al. **J Pharmacobiodyn** 1985 Nov;8(11):948–57
Regional differences in the testosterone to dihydrotestosterone ratio in the epididymis and vas deferens of adult mice. Jean–Faucher C, et al. **J Reprod Fertil** 1986 Mar;76(2):537–43
Gas chromatography–mass spectrometric analysis of salivary testosterone with reference to diethylstilboestrol–treated prostatic cancer patients. Gould VJ, et al. **J Steroid Biochem** 1986 Feb;24(2):563–7
Testosterone metabolism by isolated human axillary Corynebacterium spp.: a gas–chromatographic mass–spectrometric study. Nixon A, et al. **J Steroid Biochem** 1986 Apr;24(4):887–92
Formation of 5 alpha–products as major C19–steroids in estrogen–responsive mouse Leydig cell tumor lines. Takatsuka D, et al. **J Steroid Biochem** 1986 Mar;24(3):715–9
Neurons in the brain of fetal rhesus monkeys accumulate 3H–testosterone or its metabolites. Michael RP, et al. **Life Sci** 1986 May 5;38(18):1673–7
Modulation and role of Ca2+ in LH and LHRH agonist action in rat Leydig cells. Cooke BA, et al. **Med Biol** 1986; 63(5–6):259–63
Correlation between follicle–stimulating hormone, luteinizing hormone, prolactin, and testosterone with sperm cell concentration and motility. Vasquez JM, et al. **Obstet Gynecol** 1986 Jan;67(1):86–90
The effect of phenytoin on testosterone metabolism in vitro. Owens–Stively JA, et al. **Pediatr Pharmacol (New York)** 1985;5(2):123–9
The effects of various steroids on testosterone metabolism by the sexually mature rabbit epididymis. Danzo BJ, et al. **Steroids** 1984 Nov;44(5):435–45
Testosterone metabolism in the uropygial gland of the quail. Floch JY, et al. **Steroids** 1985 May;45(5):391–401
Skin penetration and metabolism of topically applied chemicals in six mammalian species, including man: an in vitro study with benzo[a]pyrene and testosterone. Kao J, et al. **Toxicol Appl Pharmacol** 1985 Dec;81(3 Pt 1):502–16
[Plasma levels, metabolic clearance rates, and rates of secretion of testosterone and estradiol–17 beta in the silver eel (Anguilla anguilla L.).] Quérat B, et al. **Gen Comp Endocrinol** 1985 Sep;59(3):482–93 (Eng. Abstr.) (Fre)
[The pharmacologic profile of flutamide] Racca S, et al. **G Ital Chemioter** 1985 Jan–Apr;32(1):7–11 (Ita)
[Distribution of radioactivity in subcellular fractions of genital tract tissue and skeletal muscles of guinea pig embryos after administration of 1 alpha,2 alpha–3H(n) testosterone in vitro] Ivanova EA. **Ontogenez** 1986 Mar–Apr;17(2):200–5 (Eng. Abstr.) (Rus)
[Content and utilization of testosterone in the cardiac and skeletal muscles of male rats during physical exercise] Chalkovskiĭ VS, et al. **Probl Endokrinol (Mosk)** 1985 May–Jun;31(3):78–82 (Eng. Abstr.) (Rus)
[Testosterone metabolism in the liver of rats administered the antiandrogen niftolide] Reznikov AG, et al. **Probl Endokrinol (Mosk)** 1985 Nov–Dec;31(6):65–71 (Rus)
[Testosterone metabolism in the skin of women with hirsutism] Sergienko LIu, et al. **Probl Endokrinol (Mosk)** 1985 Jul–Aug;31(4):28–31 (Eng. Abstr.) (Rus)
[An unusual estrogen–binding liver protein and the dynamics of sex steroids: estrogen stimulation of testosterone metabolism in the male rat in vivo] Smirnov AN. **Probl Endokrinol (Mosk)** 1986 Mar–Apr;32(2):55–8 (Eng. Abstr.) (Rus)
[The steroid hormone levels and receptors of steroid hormone receptors in rat muscles during physical exertion] Chalkovskiĭ VS, et al. **Ukr Biokhim Zh** 1986 Mar–Apr; 58(2):54–8 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Regulation of gonadotrophin secretion in male mice from birth to adulthood. Response to LRH injection, castration and testosterone replacement therapy. Jean–Faucher C, et al. **Acta Endocrinol (Copenh)** 1985 Oct;110(2):193–9
Effects of sex hormones on congenital kyphosis in Ishibashi rats. Moritake S, et al. **Acta Orthop Scand** 1986 Feb; 57(1):62–6
Effects of testosterone, estradiol, and temperature on neurons in preoptic tissue slices. Silva NL, et al. **Am J Physiol** 1986 Apr;250(4 Pt 2):R625–32
Contractile behaviour of rat seminal vesicle after gonadectomy, testosterone replacement and cyproterone treatment. Hib J, et al. **Andrologia** 1985 Sep–Oct; 17(5):435–9
Effects of testosterone and its metabolites in relation to androgen–binding activity in murine submandibular salivary glands. Minetti CA, et al. **Arch Oral Biol** 1985; 30(8):615–9
Variable mounting levels in the female rat: the influence of experience and acute effects of testosterone. de Jonge FH, et al. **Behav Brain Res** 1986 Apr;20(1):39–46
Social play soliciting by male and female juvenile rats: effects of neonatal androgenization and sex of cagemates. Thor DH, et al. **Behav Neurosci** 1986 Apr;100(2):275–9
Putrescine does not mediate the androgen–response in mouse kidney. Berger FG, et al. **Biochem Biophys Res Commun** 1986 Jul 31;138(2):771–7
Effect of castration and administration of testosterone on cytosol and nuclear androgen receptor in mouse submandibular gland. Kyakumoto S, et al. **Biochem Int** 1985 Nov;11(5):701–7
Ornithine decarboxylase activity and actin polymerization in testosterone—stimulated mouse kidney. Van Gend M, et al. **Biochem Int** 1986 Jul;13(1):25–32
Hepatic alcohol metabolizing enzymes after prolonged administration of sex hormones and alcohol in female rats. Teschke R, et al. **Biochem Pharmacol** 1986 Feb 1; 35(3):521–7
Androgen induction of messenger RNA concentrations in mouse kidney is posttranscriptional. Berger FG, et al. **Biochemistry** 1986 Mar 11;25(5):1170–5
Testosterone induction of microsomal acyl–CoA reductase and a cytosolic regulatory protein in mouse preputial glands. Lee TC, et al. **Biochim Biophys Acta** 1986 Jan 3; 875(1):129–32
Opioid regulation of luteinizing hormone secretion in the male rat. Miller MA, et al. **Biol Reprod** 1986 Aug; 35(1):17–26
Negative feedback regulation of gonadotropin secretion by androgens in fetal rhesus macaques. Resko JA, et al. **Biol Reprod** 1985 Sep;33(2):346–52
Neonatal androgenization in ground squirrels: influence on

sex differences in body mass and luteinizing hormone levels. Smale L, et al. **Biol Reprod** 1986 Apr;34(3):507–11

Morphological and histological study of castration–induced degeneration and androgen–induced regeneration in the mouse prostate. Sugimura Y, et al. **Biol Reprod** 1986 Jun; 34(5):973–83

The androgenic induction of spinal sexual dimorphism is independent of supraspinal afferents. Fishman RB, et al. **Brain Res** 1985 Dec;335(2):255–8

Testosterone–induced brain aromatase is sexually dimorphic. Schumacher M, et al. **Brain Res** 1986 Apr 9;370(2):285–93

Testosterone induces hypothalamic aromatase during early development in quail. Schumacher M, et al. **Brain Res** 1986 Jul 2;377(1):63–72

Synthesis of specific brain proteins is influenced by testosterone at mRNA level in the neonatal rat. Stanley HF, et al. **Brain Res** 1986 Apr 9;370(2):223–31

The short–term effects of testosterone on brain protein synthesis in 4–day–old rats: an electrophoretic study of proteins following intraventricular injection of [35S]methionine. Stanley HF, et al. **Brain Res** 1985 Dec 9;358(1–2):241–8

Effects of sex steroids on the development of the accessory olfactory bulb mitral cells in the rat. Valencia A, et al. **Brain Res** 1986 Jan;389(1–2):287–90

Dissociation of the effects of castration and testosterone replacement on sexual behavior and neural metabolism of dopamine in the male rat. Baum MJ, et al. **Brain Res Bull** 1986 Feb;16(2):145–8

Direct effects of androgens on lateral hypothalamic neuronal activity in the male rat: I. A microiontophoretic study. Orsini JC, et al. **Brain Res Bull** 1985 Sep;15(3):293–7

Protective effect of testosterone or 5 beta–dihydrotestosterone pretreatment on CFU–E numbers in busulfan–treated rabbits. Mödder B, et al. **Cancer Chemother Pharmacol** 1985;15(3):236–9

Immunohistochemical detection of epidermal growth factor in submandibular gland tumours of mice administered testosterone. Tatemoto Y, et al. **Carcinogenesis** 1985 Dec; 6(12):1747–53

Effects of phenylephrin in duct–ligated submandibular glands with or without testosterone administration. Histochemical observations of EGF, keratin and sugar residues in granular convoluted tubules. Takai Y, et al. **Cell Mol Biol** 1986; 32(1):9–25

Does neonatal androgen modulate uptake and retention of 3H–estradiol in gonadotrophs and lactotrophs? Nogami H, et al. **Cell Tissue Res** 1985;242(3):629–32

Low immune responses in high androgen responder C57BR/cdj males. Cohn DA. **Clin Exp Immunol** 1986 Jan; 63(1):210–7

Androgen–induced myogenesis and chondrogenesis in the larynx of Xenopus laevis. Sassoon D, et al. **Dev Biol** 1986 Jan;113(1):135–40

Influence of concurrent testosterone on the effects of methadone on male rats and their progeny. Soyka LF, et al. **Dev Pharmacol Ther** 1980;1(2–3):182–8

Pituitary luteinizing hormone level in the male house musk shrew, Suncus murinus L., following castration and testosterone treatment. Furumura K, et al. **Endocrinol Jpn** 1985 Aug;32(4):537–45

Effect of melatonin–free pineal extract on sialic acid in hemicastrated and testosterone–treated rats. Damian E, et al. **Endocrinologie** 1986 Jan–Mar;24(1):11–6

Renin in the rat pituitary coexists with angiotensin II and depends on testosterone. Naruse K, et al. **Endocrinology** 1986 Jun;118(6):2470–6

Progesterone secretion by granulosa cells from rats with four– or five–day estrous cycles: the development of responses to follicle–stimulating hormone, luteinizing hormone, and testosterone. Quirk SM, et al. **Endocrinology** 1986 Jun;118(6):2402–10

Effects of castration and testosterone administration on serum lipoproteins and their apoproteins in male spontaneously hypertensive rat. Takeuchi N, et al. **Endocrinology** 1986 May;118(5):1787–94

Regulation of beta–endorphin, corticotropin–like intermediate lobe peptide, and alpha–melanotropin–stimulating hormone in the hypothalamus by testosterone. Wardlaw SL. **Endocrinology** 1986 Jul;119(1):19–24

Genetic regulation of androgen–induced accumulation of mouse renal beta–glucuronidase messenger ribonucleic acid. Watson CS, et al. **Endocrinology** 1986 Mar; 118(3):1081–6

Cytoplasmic and nuclear estrogen binding capacity in the rat uterus during treatment with danazol and testosterone. Cano A, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Apr;21(4):245–52

Testosterone and melatonin effects on adrenal cortex of orchiectomized and pinealectomized rats. Malendowicz LK, et al. **Exp Clin Endocrinol** 1985 Jun;85(3):283–8

Androgen sensitivity of skeletal muscle: nondependence on the motor nerve in the frog forearm. Thibert P. **Exp Neurol** 1986 Mar;91(3):359–70

Effect of testosterone on the kinetics of the development of suppressor cells in adjuvant arthritis. Tsukano M, et al. **Experientia** 1985 Oct 15;41(10):1337–8

The effects of 11–ketotestosterone and testosterone on the skin structure of brown trout, Salmo trutta L. Pottinger TG, et al. **Gen Comp Endocrinol** 1985 Sep;59(3):335–42

Androgen induction of alcohol dehydrogenase in mouse kidney. Studies with a cDNA probe confirmed by nucleotide sequence analysis. Ceci JD, et al. **Gene** 1986; 41(2–3):217–24

Effects of long–term testosterone replacement on copulatory activity in old male rats. Hsu HK, et al. **Gerontology** 1986; 32(1):10–7

Steroid hormones and agonistic behavior in a cichlid telecost, Aequidens pulcher. Munro AD, et al. **Horm Behav** 1985 Dec;19(4):353–71

Effects of testosterone on the behavior of male cynomolgus monkeys (Macaca fascicularis). Zumpe D, et al. **Horm Behav** 1985 Sep;19(3):265–77

The effect of testosterone on citrate synthesis and citrate oxidation and a proposed mechanism for regulation of net citrate production in prostate. Franklin RB, et al. **Horm Metab Res** 1986 Mar;18(3):177–81

Influence of sex–hormones on serum gastrin and antral G–cell population in guinea pigs. Rentis A, et al. **Horm Metab Res** 1986 Jun;18(6):423

Fluid regulation and reproductive cyclicity in female rats treated neonatally with testosterone and methandrostenolone. Lemoine J, et al. **Horm Res** 1985; 22(4):291–300

Murine sex–limited protein expression requires androgens and pituitary hormones. Danoff TM, et al. **Immunogenetics** 1986;23(1):7–10

Effects of cyproterone acetate, cyproterone and testosterone on HCG induced spermatogenesis in the Indian bullfrog Rana tigerina (Daud) during postbreeding regression phase. Kurian T, et al. **Indian J Exp Biol** 1985 Oct;23(10):556–60

Influences of exogenous hormones on experimental cervical carcinogenesis in mice. Manoharan K, et al. **Indian J Exp Biol** 1985 Oct;23(10):566–8

Influence of testosterone on morphine analgesia in albino rats. Rao SS, et al. **Indian J Physiol Pharmacol** 1985 Apr–Jun; 29(2):103–6

Adenosine triphosphatase systems in genital tract of testosterone treated male adult monkeys. Vanithakumari G, et al. **Indian J Physiol Pharmacol** 1985 Jan–Mar; 29(1):1–6

Effects of training and methandrostenolone (an anabolic steroid) on energy metabolism in the guinea pig: changes in enzyme activities in gastrocnemius muscle and myocardium. Feraudi M, et al. **Int J Biochem** 1985; 17(11):1191–205

Nippostrongylus brasiliensis: effect of host hormones on helminth ingestion in vivo. Bone LW, et al. **Int J Parasitol** 1986 Feb;16(1):77–80

Androgen receptor levels and androgen contents in the prostate lobes of intact and testosterone–treated Noble rats. Ho SM, et al. **J Androl** 1985 Sep–Oct;6(5):279–90

Increased plasma and pituitary prolactin concentrations in adult male rats with selective elevation of FSH levels may be explained by reduced testosterone and increased estradiol production. Shi YF, et al. **J Androl** 1986 Mar–Apr; 7(2):105–11

Influence of testosterone on breathing during sleep. Schneider BK, et al. **J Appl Physiol** 1986 Aug;61(2):618–23

Influence of testosterone on ventilation and chemosensitivity in male subjects. White DP, et al. **J Appl Physiol** 1985 Nov;59(5):1452–7

Differential actions of testosterone and its metabolites on mice submandibular gland. Minetti CA, et al. **J Biol Buccale** 1985 Sep;13(3):205–13

Effects of sex steroids on the positive estrogen feedback mechanism in intact women and castrate men. Goh HH, et al. **J Clin Endocrinol Metab** 1985 Dec;61(6):1158–64

Regulation of rat luteinizing hormone subunit messenger ribonucleic acids by gonadal steroid hormones. Gharib SD, et al. **J Clin Invest** 1986 Feb;77(2):582–9

Androgen–induced alterations in vocalizations of female Xenopus laevis: modifiability and constraints. Hannigan P, et al. **J Comp Physiol [A]** 1986 Apr;158(4):517–27

Androgen regulation of the androgen receptor of the quail uropygial gland: application of a [3H]mibolerone exchange assay. Amet Y, et al. **J Endocrinol** 1986 Jun;109(3):299–306

Neonatal testosterone potentiates stimulated prolactin secretion in adult oestrogen–primed rats. Dyer RG, et al. **J Endocrinol** 1986 Apr;109(1):57–60

Effects of intracranial androgen on the development of masculine ultrasonic vocalizations in the Mongolian gerbil (Meriones unguiculatus). Holman SD, et al. **J Endocrinol** 1985 Dec;107(3):355–63

LH and testosterone cause the development of seminiferous tubule contractile activity and the appearance of testicular oxytocin in hypogonadal mice. Nicholson HD, et al. **J Endocrinol** 1986 Jul;110(1):159–67

Testosterone maintains pituitary and serum FSH and spermatogenesis in gonadotrophin–releasing hormone antagonist–suppressed rats. Rea MA, et al. **J Endocrinol** 1986 Jan;108(1):101–7

Effect of testosterone on gonadotrophin–releasing hormone receptors in the castrated rat: preliminary evidence for a stimulatory effect of testosterone on gonadotrophin function in the male rat. Wilson CA, et al. **J Endocrinol** 1986 Mar;108(3):441–9

Sexual differentiation of prolactin responsiveness to thyrotropin releasing hormone (TRH) in the rat. Effects of postnatal testosterone on adenohypophyseal TRH receptor ontogenesis in male rats. Watanobe H, et al. **J Endocrinol Invest** 1985 Oct;8(5):459–64

Sexual differences and steroid–induced changes in metabolic activity in toadfish sonic muscle. Pennypacker KR, et al. **J Exp Zool** 1985 Dec;236(3):259–64

Hair follicle response of the golden Syrian hamster flank organ to continuous testosterone stimulation using silastic capsules. Lucky AW, et al. **J Invest Dermatol** 1986 Jan; 86(1):83–6

The androgenic activities of nandrolone phenylpropionate and nandrolone decanoate in comparing to testosterone propionate. Khamanarong K, et al. **J Med Assoc Thai** 1985 Jul;68(7):361–72

The effects of sex steroid treatments on sexual differentiation in a unisexual lizard, Cnemidophorus uniparens (Teiidae). Billy AJ, et al. **J Morphol** 1986 Feb;187(2):129–42

Effects of testosterone on testicular inhibin and fluid production in intact and hypophysectomized adult rats. Au CL, et al. **J Reprod Fertil** 1986 Jan;76(1):257–66

Relationship of testosterone pulses to androgen binding in the pituitary of rams. Pelletier J, et al. **J Reprod Fertil** 1985 Nov;75(2):441–8

Sex differences in adrenocortical structure and function. XX. The effects of gonadectomy and testosterone or estradiol replacement on cholesterol content and distribution in the gland. Duda T, et al. **J Steroid Biochem** 1985 Nov; 23(5A):577–81

Stimulation of hypothalamic LHRH levels and release by gonadal steroids. Kalra PS. **J Steroid Biochem** 1985 Nov; 23(5B):725–31

Influence of triamcinolone, estradiol–17 beta and testosterone on 1,25–dihydroxyvitamin D3 binding performances to its chick intestinal receptor. Wilhelm F, et al. **J Steroid Biochem** 1985 Dec;23(6A):913–8

Sex difference of pinnal hyperemia in magnesium–deficient rats: effects of castration and administration of sex hormone. Nishio A, et al. **Jpn J Pharmacol** 1986 May; 41(1):15–22

The effects of androgen on the transcription of specific genes in guinea pig seminal vesicle epithelium. Moore JT, et al. **Mol Cell Endocrinol** 1986 Aug;46(3):205–14

Characteristics of interaction of the antiandrogen flutamide with the androgen receptor in various target tissues. Simard J, et al. **Mol Cell Endocrinol** 1986 Mar;44(3):261–70

Secretion of anti–Müllerian hormone by immature bovine Sertoli cells in primary culture, studied by a competition–type radioimmunoassay: lack of modulation by either FSH or testosterone. Vigier B, et al. **Mol Cell Endocrinol** 1985 Dec;43(2–3):141–50

Regulation of prostatic steroid binding protein mRNAs by testosterone. Zhang YL, et al. **Mol Cell Endocrinol** 1985 Dec;43(2–3):151–4

Differential effects of testosterone on the circadian rhythms of locomotor activity and feeding in the European starling. Subbaraj R, et al. **Naturwissenschaften** 1985 Dec; 72(12):663–4

Testosterone is more effective than dihydrotestosterone plus estradiol in activating sexual behavior in old male rats. Chambers KC, et al. **Neurobiol Aging** 1986 Mar–Apr; 7(2):127–32

Sexual behaviors of aging female rats: influence of age and hormonal state of male partners. Chambers KC, et al. **Neurobiol Aging** 1986 May–Jun;7(3):165–71

Effect of neonatal treatment with the sex–opposite steroid on gonadotropin responsiveness in rats. Grady RR. **Neuroendocrinology** 1986;43(3):322–30

Gonadotropin secretion following intraventricular norepinephrine infusion into neonatally androgenized female rats. Handa RJ, et al. **Neuroendocrinology** 1986; 43(3):269–72

Effects of castration and testosterone on the pituitary and adrenal responses of the newborn rat to ether inhalation. Hary I, et al. **Neuroendocrinology** 1986;42(2):137–42

Formation of behaviorally active estrogen in the dove brain: induction of preoptic aromatase by intracranial testosterone. Hutchison JB, et al. **Neuroendocrinology** 1986; 43(3):416–27

Interactions of testosterone and short–photoperiod exposure on the neuroendocrine axis of the male Syrian hamster. Steger RW, et al. **Neuroendocrinology** 1986;43(1):69–74

Influence of neonatal injection of estradiol and testosterone on hypothalamo–hypophyseal–gonadal interrelationships and fertility in male rats. Baranov VG, et al. **Neurosci Behav Physiol** 1985 Sep–Oct;15(5):404–7

Biochemical and autoradiographic analysis of specific 3H–estradiol binding by uterus of androgen–sterile rats. Orlov MM, et al. **Neurosci Behav Physiol** 1985 Sep–Oct; 15(5):423–7

Cytoplasmic and nuclear testosterone receptors in the hypothalamus of androgenized female and castrated male rats. Shishkina IV, et al. **Neurosci Behav Physiol** 1985 Sep–Oct;15(5):446–9

Testosterone inhibition of tyrosine hydroxylase expression in the hypothalamic arcuate nucleus. Brawer J, et al. **Neurosci Lett** 1986 Jun 30;67(3):313–8

Effect of estrogen, testosterone, and phenobarbital on uterine weight and liver microsomal enzymes in prepuberal mice. Robl JM, et al. **Pediatr Pharmacol (New York)** 1985; 5(3):157–64

Testosterone removal in rats results in a decrease in social aggression and a loss of social dominance. Albert DJ, et al. **Physiol Behav** 1986;36(3):401–7

Effect of prenatal exposure to aromatase inhibitor, testosterone, or antiandrogen on the development of feminine sexual behavior in ferrets of both sexes. Baum

MJ, et al. **Physiol Behav** 1986;37(1):111–8

Breeding experience modulating androgen dependent courtship behavior in male ring doves (Streptopelia risoria). Cheng MF, et al. **Physiol Behav** 1986;36(4):625–30

Effects of early sex steroid hormone treatment on courtship behavior and sexual attractivity in the red-sided garter snake, Thamnophis sirtalis parietalis. Crews D. **Physiol Behav** 1985 Oct;35(4):569–75

Singleton female mouse fetuses are subsequently unresponsive to the aggression-activating property of testosterone. Gandelman R, et al. **Physiol Behav** 1986;37(3):465–7

Recovery of lordotic activity by dorsal deafferentation of the preoptic area in male and androgenized female rats. Kondo Y, et al. **Physiol Behav** 1986;37(3):495–8

Comparison of the effects of testosterone and dihydrotestosterone on the behavior of male cynomolgus monkeys (Macaca fascicularis). Michael RP, et al. **Physiol Behav** 1986;36(2):349–55

Restoration of the copulatory pelvic thrusting pattern in castrated male rats by the intracerebral implantation of androgen. Moralí G, et al. **Physiol Behav** 1986;36(3):495–9

Male hamster sociosexual behaviors: effects of testosterone and its metabolites. Powers JB, et al. **Physiol Behav** 1985 Oct;35(4):607–16

Bursal development in normal and testosterone-treated chick embryos. Oláh I, et al. **Poult Sci** 1986 Mar;65(3):574–88

Testosterone allosterically regulates ethanol oxidation by homo- and heterodimeric gamma-subunit-containing isozymes of human alcohol dehydrogenase. Mårdh G, et al. **Proc Natl Acad Sci USA** 1986 May;83(9):2836–40

Biphasic effects of estrogen on apolipoprotein synthesis in human hepatoma cells: mechanism of antagonism by testosterone. Tam SP, et al. **Proc Natl Acad Sci USA** 1986 May;83(10):3111–5

Testosterone-induced decrement of prostatic vascular resistance in rats is reversed by estrogens. Daehlin L, et al. **Prostate** 1985;6(4):351–9

Distribution of glycoconjugates in normal rat ventral prostate and their use as markers of androgen-controlled secretory function in culture. Martikainen P, et al. **Prostate** 1986; 8(1):37–49

Neonatal exposure of female ferrets to testosterone alters sociosexual preferences in adulthood. Martin JT, et al. **Psychoneuroendocrinology** 1986;11(2):167–76

Sex steroids and affect in the surgical menopause: a double-blind, cross-over study. Sherwin BB, et al. **Psychoneuroendocrinology** 1985;10(3):325–35

Effect of neonatal testosterone administration and beta adrenergic stimulation on adult prolactin levels. Vidal MJ, et al. **Rev Esp Fisiol** 1986 Mar;42(1):139–40

Enhanced ovarian gonadotropin receptors in the testosterone-induced polycystic ovary in rats. Ota H, et al. **Tohoku J Exp Med** 1986 Mar;148(3):313–25

Blood flow in the Dunning R3327H rat prostatic adenocarcinoma; effects of oestradiol and testosterone. Daehlin L, et al. **Urol Res** 1986;14(2):113–7

Responsiveness of the adrenal cortex to testosterone propionate in relation to the sexual status of the male blossom-headed parakeet. Maitra SK. **Z Mikrosk Anat Forsch** 1985;99(3):439–46

[Effect of newborn rat testes on the male sexual behavior of the testosterone-treated adult] Roffi J, et al. **C R Acad Sci [III]** 1986;302(12):467–70 (Eng. Abstr.) **(Fre)**

[Effects of testosterone and progesterone on the regression of Mullerian ducts induced by estradiol in the female chick embryo] Faucounau N, et al. **C R Soc Biol (Paris)** 1986; 180(1):50–6 (Eng. Abstr.) **(Fre)**

[Peptidase histo- and biochemistry in the kidney of female rats following castration and sex hormone treatment] Haderthauer H, et al. **Z Mikrosk Anat Forsch** 1985; 99(5):763–72 (Eng. Abstr.) **(Ger)**

[Influence of some sexual hormones on the binding of uric acid- plasma proteins: ex vivo and in vitro experience] D'Amato MS, et al. **Boll Soc Ital Biol Sper** 1985 Aug 30; 61(8):1177–83 (Eng. Abstr.) **(Ita)**

[Soft agar culture of human prostatic carcinoma—effect of testosterone on the clonal growth of the cells] Sakuramoto T, et al. **Hinyokika Kiyo** 1985 Oct;31(10):1717–21 (Eng. Abstr.) **(Jpn)**

[Effect of sex hormones on the 1,2-dimethylhydrazine metabolic activity in the kidneys of CBA-strain mice] Chemeris GIu, et al. **Biull Eksp Biol Med** 1986 Mar; 101(3):346–9 (Eng. Abstr.) **(Rus)**

[Estradiol and progesterone receptors in DMBA-induced mammary neoplasms in rats under cyclic hormonal exposures] Kartavova NS, et al. **Eksp Onkol** 1986;8(1):54–8 (Eng. Abstr.) **(Rus)**

[Effect of testosterone and dihydrotestosterone on the sexual behavior of female rats] Gladkova AI, et al. **Farmakol Toksikol** 1986 Jan-Feb;49(1):33–7 (Eng. Abstr.) **(Rus)**

[Brain monoamines and the hypophyseo-gonadal system of adult rats after the androgenization of their mothers during pregnancy] Naumenko EV, et al. **Ontogenez** 1986 May-Jun; 17(3):285–92 (Eng. Abstr.) **(Rus)**

[Interrelationship of the circadian and ovulatory rhythms of sex and gonadotropic hormone secretion in intact and neonatally androgenized female rats] Savchenko ON, et al. **Probl Endokrinol (Mosk)** 1985 Nov-Dec;31(6):62–5 (Eng. Abstr.) **(Rus)**

[Analysis of the modifying effect of testosterone on postradiation changes in spermatogenesis] Ganzenko LF, et al. **Radiobiologiia** 1985 Sep-Oct;25(5):631–5 (Eng. Abstr.) **(Rus)**

[Effect of testosterone on nucleic acid synthesis in spermatogenic epithelial cells of irradiated animals] Ganzenko LF, et al. **Radiobiologiia** 1986 Jan-Feb; 26(1):115–9 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Stereologic investigations on the effects of pinealectomy, melatonin and sex hormones on the rat thyroid gland. Malendowicz LK, et al. **Anat Anz** 1986;161(4):277–84

Spermatogenic onset: the role of FSH on the control of spermatogonial multiplication and differentiation in immature rats. Chemes HE, et al. **Arch Biol Med Exp (Santiago)** 1984 Dec;17(3–4):257–65

Effects of acutely increased plasma testosterone concentrations on pulsatile luteinizing hormone secretion in the male rat. Clifton DK, et al. **Biol Reprod** 1986 May; 34(4):624–9

Synergism between granulosa and theca-interstitial cells in estrogen biosynthesis by gonadotropin-treated rat ovaries: studies on the two-cell, two-gonadotropin hypothesis using steroid antisera. Liu YX, et al. **Biol Reprod** 1986 Aug; 35(1):27–36

Imprinting of growth hormone secretion, body growth, and hepatic steroid metabolism by neonatal testosterone. Jansson JO, et al. **Endocrinology** 1985 Nov;117(5):1881–9

Retinal modulation of the hypothalamic sensitivity to testosterone feedback in photoperiodism of quail. Konishi H, et al. **Gen Comp Endocrinol** 1985 Sep;59(3):343–9

Luteinizing hormone-releasing hormone facilitates the display of sexual behavior in male voles (Microtus canicaudus). Boyd SK, et al. **Horm Behav** 1985 Sep; 19(3):252–64

A hormonal basis for sex differences in the self-grooming of rats. Moore CL. **Horm Behav** 1986 Jun;20(2):155–65

Effect of HCG injection on glucose and lactate turn-over during prolonged physical exercise and fasting in rats. Satabin P, et al. **Horm Metab Res** 1986 Apr;18(4):278–9

Social and hormonal factors influencing infanticide and its suppression in adult male Long-Evans rats (Rattus norvegicus). Brown RE. **J Comp Psychol** 1986 Jun; 100(2):155–61

Fertility of mating in rats (Rattus norvegicus): contributions of androgen-dependent morphology and actions of the penis. O'Hanlon JK, et al. **J Comp Psychol** 1986 Jun; 100(2):178–87

Effect of underfeeding on testosterone-LH feedback in the bull. Gauthier D, et al. **J Endocrinol** 1986 Aug;110(2):233–8

Testosterone sensitivity of the seminal sacs of tree sparrows (Spizella arborea) in different reproductive states. Wilson FE. **J Endocrinol** 1986 Apr;109(1):125–31

A testosterone-independent reduction in net photoperiodic drive triggers photorefractoriness in male tree sparrows (Spizella arborea). Wilson FE. **J Endocrinol** 1986 Apr; 109(1):133–7

Testosterone metabolites do not participate in the control of hypothalamic LH-releasing hormone. Zanisi M, et al. **J Endocrinol** 1986 May;109(2):291–6

High and testosterone-dependent glucose 6-phosphatase activity in epithelium of mouse seminal vesicle. Kanai K, et al. **J Histochem Cytochem** 1986 Sep;34(9):1207–12

Sex difference in adrenal heme and cytochrome P-450 metabolism: evidence for the repressive regulatory role of testosterone. Veltman JC, et al. **J Pharmacol Exp Ther** 1985 Oct;235(1):71–5

Use of spironolactone to investigate the role of testosterone secretion during luteolysis in the goat. Homeida AM. **J Reprod Fertil** 1986 Jan;76(1):153–7

Obesity and hormonal factors in sleep and sleep apnea. Wittels EH. **Med Clin North Am** 1985 Nov;69(6):1265–80 (95 ref.)

Effects of Schistosoma mansoni on androgen regulated gene expression in the mouse. Isseroff H, et al. **Mol Biochem Parasitol** 1986 Mar;18(3):401–12

Opiate-androgen interactions in drug-induced yawning and penile erections in the rat. Berendsen HH, et al. **Neuroendocrinology** 1986;42(3):185–90

Amino acid sequence of the testosterone-regulated mouse kidney RP2 protein deduced from its complementary DNA sequence. King D, et al. **Nucleic Acids Res** 1986 Jul 11; 14(13):5159–70

Food conditioning, castration, testosterone administration and sexual behavior in the male rat. Broere F, et al. **Physiol Behav** 1985 Oct;35(4):627–9

Testosterone is not required for the enhancement of sexual motivation by yohimbine. Clark JT, et al. **Physiol Behav** 1985 Oct;35(4):517–21

The role of postnatal testosterone in the development of sexually dimorphic behaviors in DBA/1Bg mice. Shrenker P, et al. **Physiol Behav** 1985 Nov;35(5):757–62

Suprathreshold manipulations of testosterone and reproductive functioning in gonadally intact sexually experienced and inexperienced male rats. Taylor GT, et al. **Physiol Behav** 1985 Nov;35(5):735–9

The arachidonic acid cascade is involved in the masculinizing action of testosterone on embryonic external genitalia in mice. Gupta C, et al. **Proc Natl Acad Sci USA** 1986 Jun; 83(12):4346–9

Maternal testosterone and sexual differentiation of the male guinea-pig foetus. Rigaudière N, et al. **Reprod Nutr Dev** 1986;26(3):791–800

[Sex hormone receptors in the hypothalamus and their role in the sexual differentiation of the brain of male rats] Shishkina IV, et al. **Biull Eksp Biol Med** 1986 Apr; 101(4):484–6 (Eng. Abstr.) **(Rus)**

[The role of sex steroids in the regulation of carbohydrate metabolism in rat lungs after a single whole-body cooling] Lipatova TIu, et al. **Vopr Med Khim** 1985 Sep-Oct; 31(5):80–3 (Eng. Abstr.) **(Rus)**

SECRETION

Testosterone-secreting adrenal adenoma containing crystalloids characteristic of Leydig cells. Vasiloff J, et al. **Am J Med** 1985 Dec;79(6):772–6

Isosexual precocious pseudopuberty secondary to a testosterone-secreting Leydig cell testicular tumour: true isosexual development early after surgery. Criscuolo T, et al. **Andrologia** 1986 Mar-Apr;18(2):175–83

Testosterone response of cryptorchid and hypophysectomized rats to human chorionic gonadotrophin (hCG) stimulation. Hodgson YM, et al. **Aust J Biol Sci** 1985;38(4):445–55

The role of endogenous gonadotropin-releasing hormone in the control of luteinizing hormone and testosterone secretion in the juvenile male monkey, Macaca fascicularis. Cameron JL, et al. **Biol Reprod** 1985 Aug;33(1):147–56

Reversal of the endocrine toxicity of commercially produced perfluorochemical emulsion. Chubb C. **Biol Reprod** 1985 Nov;33(4):854–8

Ontogeny of growth hormone, prolactin, luteinizing hormone, and testosterone secretory patterns in the ram. Klindt J, et al. **Biol Reprod** 1985 Sep;33(2):436–44

Acute response of testicular interstitial tissue in rats to the cytotoxic drug ethane dimethanesulphonate. An ultrastructural and hormonal assay study. Kerr JB, et al. **Cell Tissue Res** 1986;243(2):405–14

Reduced testosterone levels in cluster headache: a stress-related phenomenon? Facchinetti F, et al. **Cephalalgia** 1986 Mar;6(1):29–34

Effects of cycloheximide on in vitro testosterone secretion from RANA catesbeiana ovaries. Hubbard GM, et al. **Comp Biochem Physiol [A]** 1986;84(3):401–3

Pituitary extract of the ricefield eel Monopterus albus (Synbranchidae, Teleostei) exhibits gonadotropic activity in the classes Mammalia, Aves, Reptilia and Amphibia. Ng TB, et al. **Comp Biochem Physiol [A]** 1986;84(2):371–81

Evidence for activation of the central nervous system-pituitary mechanism for gonadotropin secretion at the time of puberty in the male rat. Matsumoto AM, et al. **Endocrinology** 1986 Jul;119(1):362–9

Progesterone and androgen secretion by isolated cultured bovine corpus luteum cells: effect of LH, hCG, PRL, estradiol 17beta and testosterone. Gregoraszczuk E. **Folia Histochem Cytobiol** 1985;23(1–2):11–6

In vitro study of the direct ovarian effects of gonadotropin-releasing hormone (GnRH) in the frogs, Rana pipiens and Rana catesbeiana. Hubbard GM, et al. **Gen Comp Endocrinol** 1985 Nov;60(2):154–61

In vitro steroid secretion by intact bovine ovarian follicles in a superfusion system. Zimmerman RC, et al. **Horm Metab Res** 1985 Sep;17(9):458–63

Evidence that estrogen regulation of testosterone secretion in adult rams is mediated by both indirect (gonadotropin dependent) and direct (gonadotropin independent) means. Sanford LM. **J Androl** 1985 Sep-Oct;6(5):306–14

Intratesticular factors and testosterone secretion. Effect of treatments that alter the level of testosterone within the testis. Sharpe RM, et al. **J Androl** 1986 May-Jun;7(3):180–9

Effect of long-term infusion of an LH-releasing hormone agonist on testicular function in bulls. von Rechenberg W, et al. **J Endocrinol** 1986 May;109(2):R9–11

Stress-induced suppression of testosterone secretion in male alligators. Lance VA, et al. **J Exp Zool** 1986 Aug; 239(2):241–6

Testosterone-producing hepatoblastoma in a 3-year-old boy with precocious puberty. Galifer RB, et al. **J Pediatr Surg** 1985 Dec;20(6):713–4

Blockade of pulsatile LH, FSH and testosterone secretion in rams by constant infusion of an LHRH agonist. Lincoln GA, et al. **J Reprod Fertil** 1986 Jul;77(2):587–97

Saliva testosterone time-course response to hCG in adult normal men. Comparison with plasma levels. Nahoul K, et al. **J Steroid Biochem** 1986 May;24(5):1011–5

Adrenocorticotropin administration increases testosterone secretion in adult male rats. Armario A, et al. **Life Sci** 1986 Sep 29;39(13):1119–22

A thymus factor influences the in vitro testosterone secretion of Leydig cells in the rat. Pedernera E, et al. **Life Sci** 1986 Mar 3;38(9):779–87

The different mechanisms for suppression of pituitary and testicular function. Sandow J, et al. **Med Biol** 1986; 63(5–6):192–200

Stimulation of Leydig cell function by a polypeptide present in testicular interstitial fluid. Sharpe RM, et al. **Med Biol** 1986;63(5–6):245–50

Stimulatory effect of Sertoli cell secretory products on testosterone secretion by purified Leydig cells in primary culture. Janecki A, et al. **Mol Cell Endocrinol** 1985 Oct; 42(3):235–43

Influence of luliberin and chorionic gonadotropin on luteinizing hormone and testosterone in the blood of monkeys under conditions of acute stress. Katsiya GV, et

al. Neurosci Behav Physiol 1986 Mar-Apr;16(2):157-60
Secretion of androgens and estrogens by normal and neoplastic ovaries in postmenopausal women. Aiman J, et al. Obstet Gynecol 1986 Jul;68(1):1-5
Persistent blockade of the pituitary-gonadal axis in patients with prostatic carcinoma during chronic administration of D-Trp-6-LH-RH. Gonzalez-Barcena D, et al. Prostate 1986;9(2):207-15
[Isolated secretion of testosterone by adrenal cortex adenoma (letter)] Turpin G, et al. Presse Med 1985 Oct 26; 14(36):1887 (Fre)
[The effects of bromocriptine on the pulsatile pattern and the circadian profile of gonadotropins and testosterone secretion in normal adult men] Ainaka K, et al. Nippon Naibunpi Gakkai Zasshi 1985 Jun 20;61(6):701-9 (Eng. Abstr.) (Jpn)
[Effect of naloxone on lutropin, follitropin, prolactin and testosterone secretion in patients with acute renal failure] Grzeszczak W, et al. Pol Tyg Lek 1985 Jun 3;40(22):620-5 (Eng. Abstr.) (Pol)
[Changes in testosterone levels in rabbit embryo testes after removal of the hypothalamus (encephalectomy)] Proshliakova EV, et al. Biull Eksp Biol Med 1986 May; 101(5):616-9 (Eng. Abstr.) (Rus)
[Characteristics of the secretion of sex steroids and cortisol in women with Itsenko-Cushing disease] Manusharova RA, et al. Vrach Delo 1986 Mar;(3):89-92 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

Effect of testosterone treatments for varying periods on autoimmune development and on specific infiltrating leukocyte populations in the thyroid gland of obese strain chickens. Gause WC, et al. Clin Immunol Immunopathol 1986 Jun;39(3):464-78
Erythropoietic effects of triiodothyronine on the anemia of renal failure in rats: comparative studies with testosterone and erythropoietin. Malgor LA, et al. Exp Hematol 1986 May;14(4):250-6
Testosterone propionate treatment of an XY gonadal dysgenetic chacma baboon. Bielert C. Horm Behav 1985 Dec;19(4):372-85
Naloxone administration does not affect gonadotropin secretion in agonadal men either basally or during testosterone treatment. De Feo ML, et al. J Clin Endocrinol Metab 1986 Jul;63(1):257-61
Histopathological effects of exogenously administered testosterone in 19 female to male transsexuals. Futterweit W, et al. J Clin Endocrinol Metab 1986 Jan;62(1):16-21
Beneficial effect of testosterone in the treatment of chronic autoimmune thyroiditis in rats. Ansar Ahmed S, et al. J Immunol 1986 Jan;136(1):143-7
Intraluminal urethral pressure measurements in the female baboon: effects of hormonal manipulation. Bump RC, et al. J Urol 1986 Aug;136(2):508-11
Growth of tall boys without and during androgen treatment. van der Werff ten Bosch JJ, et al. Neth J Med 1986; 29(3):73-8
Effect of naloxone on gonadotropin secretion before and after testosterone in Klinefelter's syndrome. Goffi S, et al. Psychoneuroendocrinology 1985;10(3):337-44
[Adjuvant chemotherapy and chemo-hormonal therapy of breast cancer patients (a preliminary report)] Marinov L, et al. Khirurgiia (Sofiia) 1986;39(2):23-7 (Bul)
[Treatment of Horton's headache with testosterone] Klimek A. Neurol Neurochir Pol 1985 Nov-Dec;19(6):486-9 (Eng. Abstr.) (Pol)

TOXICITY

Embryo resorption following administration of steroidal compounds to rats in mid pregnancy. Sarkar K, et al. Can J Vet Res 1986 Jul;50(3):433-7
Production of autochthonous prostate cancer in Lobund-Wistar rats by treatments with N-nitroso-N-methylurea and testosterone. Pollard M, et al. JNCI 1986 Aug;77(2):583-7

URINE

[Determination of testosterone and epitestosterone in biological fluids by high performance liquid chromatography] krylov AI, et al. Lab Delo 1985; (10):594-7 (Eng. Abstr.) (Rus)

TESTOSTERONE 5-ALPHA-REDUCTASE

ANALYSIS

Functional characteristics of nuclear 5 alpha-reductase from rat ventral prostate. Enderle-Schmitt U, et al. J Steroid Biochem 1986 Aug;25(2):209-17
Molecular biology of androgen action: testosterone/dihydrotestosterone receptor and androgen 5 alpha-reductase in the human foreskin. Herkner K, et al. J Steroid Biochem 1986 Jan;24(1):239-43
Studies on the possible existence of two 5 alpha-reductases in the rat prostate. Martini L, et al. J Steroid Biochem 1986 Jan;24(1):177-82
Formation of 5 alpha-products as major C19-steroids in estrogen-responsive mouse Leydig cell tumor lines. Takatsuka D, et al. J Steroid Biochem 1986 Mar;24(3):715-9

ANTAGONISTS & INHIBITORS

Effect of 6-methylene-4-pregnene-3,20-dione treatment on hepatic bile acid sulfotransferase activity in male rats. McKinney SC, et al. Biochem Pharmacol 1986 Mar 15; 35(6):1050-2
Treatment of hirsutism with 5 alpha-reductase inhibitors. Brooks JR. Clin Endocrinol Metab 1986 May;15(2):391-405 (75 ref.)
Nipple differentiation in fetal male rats treated with an inhibitor of the enzyme 5 alpha-reductase: definition of a selective role for dihydrotestosterone. Imperato-McGinley J, et al. Endocrinology 1986 Jan; 118(1):132-7
In vitro effects of an aromatase inhibitor on 5 alpha-reductase activity in human hypertrophic prostatic tissue. Zoppi S, et al. J Clin Endocrinol Metab 1986 Jul;63(1):269-71
Prostatic effects induced in dogs by chronic or acute oral administration of 5 alpha-reductase inhibitors. Brooks JR, et al. Prostate 1986;9(1):65-75
Studies on the kinetics of the interaction of 7 alpha-hydroxytestosterone with the steroid 5 alpha-reductase. Mittler JC. Steroids 1985 Feb;45(2):135-42

BIOSYNTHESIS

Hormonal regulation of rat liver microsomal enzymes. Role of gonadal steroids in programming, maintenance, and suppression of delta 4-steroid 5 alpha-reductase, flavin-containing monooxygenase, and sex-specific cytochromes P-450. Dannan GA, et al. J Biol Chem 1986 Aug 15;261(23):10728-35

BLOOD

Hyperprolactinemia and 5-alpha-reductase activity. Noci I, et al. Acta Eur Fertil 1986 Mar-Apr;17(2):129-31

DEFICIENCY

5 alpha-reductase deficiency: an infrequent cause of male pseudohermaphroditism. Deslypere JP, et al. Acta Clin Belg 1985;40(4):240-6
Familial male pseudohermaphroditism due to 5-alpha-reductase deficiency in a Turkish village. Akgun S, et al. Am J Med 1986 Aug;81(2):267-74
Pharmacological induction of 5 alpha-reductase deficiency in the rat: separation of testosterone-mediated and 5 alpha-dihydrotestosterone-mediated effects. Blohm TR, et al. Endocrinology 1986 Sep;119(3):959-66
Steroid 5 alpha-reductase deficiency and posterior urethral valves. Stanhope R, et al. Horm Res 1986;23(4):213-4
Male pseudohermaphroditism due to 5-alpha-reductase deficiency. Clinical and endocrinological data in a 17-year-old patient. Lo Iudice G, et al. Minerva Endocrinol 1986 Jan-Mar;11(1):7-13

METABOLISM

Prolactin involvement in regulation of testicular 5 alpha-reductase activity in the immature rat. Chase DJ, et al. Biol Reprod 1985 Oct;33(3):637-43
Control of 5 alpha-reduction of testosterone in neuroendocrine tissues of female rats. Resko JA, et al. Biol Reprod 1986 Jun;34(5):870-7
Localization of aromatase and 5 alpha-reductase to neuronal and non-neuronal cells in the fetal rat hypothalamus. Canick JA, et al. Brain Res 1986 May 7;372(2):277-82
Regulation of androgen receptor and 5 alpha-reductase in the skin of normal and hirsute women. Mauvais-Jarvis P. Clin Endocrinol Metab 1986 May;15(2):307-17 (14 ref.)
Stimulatory effect of prolactin on luteinizing hormone-induced testicular 5 alpha-reductase activity in hypophysectomized adult rats. Takeyama M, et al. Endocrinology 1986 Jun;118(6):2268-75
Measurements of 3 alpha,17 beta-androstanediol glucuronide in serum and urine and the correlation with skin 5 alpha-reductase activity. Paulson RJ, et al. Fertil Steril 1986 Aug;46(2):222-6
Prolactin modulates peripheral androgen metabolism. Serafini P, et al. Fertil Steril 1986 Jan;45(1):41-6
Aromatase and 5 alpha-reductase in the teleost brain, spinal cord, and pituitary gland. Pasmanik M, et al. Gen Comp Endocrinol 1985 Nov;60(2):244-51
Hyperprolactinemia enhances LH-stimulated 4-ene-5 alpha-reductase activity but inhibits LH-induced 17-hydroxylase activity in testes of hypophysectomized immature rats. Nagareda T, et al. J Steroid Biochem 1986 Jun;24(6):1199-204
Effects of chronic administration of LH releasing hormone on age-dependent activities of testicular 4-ene-5 alpha-reductase and 17 beta-ol-dehydrogenase in mice. Takeyama M, et al. J Steroid Biochem 1986 May; 24(5):1095-6
Testosterone 5 alpha-reductase in discrete hypothalamic nuclear areas in the rat: effect of castration. Melcangi RC, et al. Steroids 1985 Mar-Apr;45(3-4):347-56
[Androgen receptor and 5 alpha-reductase activity in the epithelium and the stroma of human benign prostatic hyperplasia] Oishi K, et al. Hinyokika Kiyo 1985 May; 31(5):785-90 (Eng. Abstr.) (Jpn)

TESTOSTERONE BINDING GLOBULIN see SEX HORMONE-BINDING GLOBULIN

TESTOSTERONE DEHYDROGENASES see under 17-HYDROXYSTEROID DEHYDROGENASES

TESTOSTERONE DELTA-4-5-ALPHA-REDUCTASE see TESTOSTERONE 5-ALPHA-REDUCTASE

TESTOSTERONE ESTRADIOL BINDING GLOBULIN see SEX HORMONE-BINDING GLOBULIN

TESTOSTERONE PROPIONATE see TESTOSTERONE

TETANUS

see related TRISMUS

Tetanus. Edlich RF, et al. Compr Ther 1986 Apr;12(4):12-21
Current status of tetanus in Korea—observation from a public health and clinical aspect on the past 10 years. Kim MH, et al. Yonsei Med J 1985;26(1):68-77
[Tetanus in intensive medicine. Review of 30 cases] Cordón López A, et al. Med Clin (Barc) 1986 May 31;87(1):15-7 (Eng. Abstr.) (Spa)

BLOOD

Changes in blood chemistry and liver histopathology of rabbits during experimental tetanus toxicity. Sofola OA, et al. Afr J Med Med Sci 1985 Sep-Dec;14(3-4):185-91

CEREBROSPINAL FLUID

Cerebrospinal fluid (CSF) changes in tetanus [letter] Idoko JA, et al. Trans R Soc Trop Med Hyg 1986;80(1):168

COMPLICATIONS

Myositis ossificans circumscripta: a complication of tetanus. Asa DK, et al. Am J Med Sci 1986 Jul;292(1):40-3
Treatment of tetanus-induced autonomic nervous system dysfunction with continuous epidural blockade. Southorn PA, et al. Crit Care Med 1986 Mar;14(3):251-2
Neonatal tetanus: psychomotor development in survivors. Khanna SS, et al. Indian Pediatr 1985 Feb;22(2):125-30

CONGENITAL

[A case of neonatal tetanus with favorable outcome] Claris O, et al. Ann Pediatr (Paris) 1985 Sep;32(7):635-8 (Eng. Abstr.) (Fre)

DIAGNOSIS

Neonatal tetanus: a case report and review of modern therapy. Golden BJ, et al. Milit Med 1986 Mar;151(3):175-6
[Factors contributing to the prognosis of tetanus] Ebisawa I, et al. Kansenshogaku Zasshi 1986 Feb;60(2):125-32 (Eng. Abstr.) (Jpn)

DRUG THERAPY

Evaluation of intrathecal human tetanus immunoglobulins in tetanus neonatorum. Chugh K, et al. Indian Pediatr 1985 Feb;22(2):153-8
Efficacy of dantrolene sodium in management of tetanus in children. Aguilar Bernal OR, et al. J R Soc Med 1986 May; 79(5):277-81
Intrathecal baclofen in tetanus [letter] Müller H, et al. Lancet 1986 Feb 8;(8476):317-8
[Use of dantrolene in a case of severe tetanic infection] Duce L, et al. Minerva Anestesiol 1985 Apr;51(4):147-9 (Eng. Abstr.) (Ita)

ETIOLOGY

A sub-Q heroin and cocaine addict with chills, fever, and trismus. Palder SB, et al. Hosp Pract [Off] 1986 Sep 15; 21(9):48-52
Density and distribution of Clostridium tetani in the soil. Ebisawa I, et al. Jpn J Exp Med 1986 Apr;56(2):69-74
Tetanus as a complication of small bowel obstruction. Larsen LS, et al. NJ Med 1986 Jan;83(1):42-4
Tetanus neonatorum in babies delivered by traditional birth attendants in Medan, Indonesia. Hamid ED, et al. Paediatr Indones 1985 Sep-Oct;25(9-10):167-74
[The breast neoplasm, an unusual entryway for tetanus (letter)] Bouffet E, et al. Presse Med 1986 Mar 8;15(10):487 (Fre)
[Tetanus in an unvaccinated patient following a severe calf wound—case report] Knackmuss HW. Z Arztl Fortbild (Jena) 1985;79(16):681-2 (Ger)

IMMUNOLOGY

Tetanus immunization recommendations for persons seven years of age and older. American College of Emergency Physicians. Ann Emerg Med 1986 Sep;15(9):1111-2
Immunization against tetanus [letter] Brookes MT. Arch Emerg Med 1986 Jun;3(2):153
Natural tetanus immunity in lepromatous leprosy patients. Singh M, et al. Indian J Lepr 1986 Jan-Mar;58(1):91-5
Evaluation of cutaneous response to tetanus antigen to document immunization: preliminary observations. Bhatia S, et al. Indian Pediatr 1985 Apr;22(4):267-73
Clinical tetanus despite a protective level of toxin-neutralizing antibody. Passen EL, et al. JAMA 1986 Mar 7;255(9):1171-3
[Evaluation of thrombocyte-induced immunomodulation in

the tetanus-infected mouse] Bundschuh G, et al. **Z Gesamte Inn Med** 1985 Sep 1;40(17):509–14 (Eng. Abstr.) (Ger)

[Prevalence of anti-tetanus immunity in population groups from the Marche region] Pellegrini MG, et al. **Boll Ist Sieroter Milan** 1985;64(5):386–93 (Eng. Abstr.) (Ita)

[Tetanus antitoxin levels in migrants in transit through São Paulo, Brazil] Basile MA, et al. **Rev Inst Med Trop Sao Paulo** 1985 Sep–Oct;27(5):249–57 (Eng. Abstr.) (Por)

[Local reactions and antitoxin circulating levels induced by the administration of tetanus toxoid. Comparative study between Ped-o-Jet and hypodermic syringe] Pluciennik AM, et al. **Rev Saude Publica** 1985 Jun;19(3):201–14 (Eng. Abstr.) (Por)

[Development of autoimmune reactions in horses serving to produce antitetanus serum] Georgadze IA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Mar;(3):86–9 (Eng. Abstr.) (Rus)

[Characteristics of the immune response of inoculated and intact animals to the administration of toxigenic and nontoxigenic strains of Clostridium tetani] Shvarts SA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Mar;(3):82–6 (Eng. Abstr.) (Rus)

METABOLISM

[Changes in lipid metabolism, oxygen balance and muscle ultrastructure in tetanus in an experiment] Aleksevich IaI, et al. **Biull Eksp Biol Med** 1985 Dec;100(12):664–8 (Eng. Abstr.) (Rus)

[Nutrition in tetanus] González A, et al. **Rev Esp Anestesiol Reanim** 1986 Mar–Apr;33(2):83–7 (Eng. Abstr.) (Spa)

MORTALITY

Mortality from neonatal tetanus in Indonesia: results of two surveys. Arnold RB, et al. **Bull WHO** 1986;64(2):259–62

Evaluating tetanus neonatorum as a child survival risk in rural Egypt in the absence of reliable cause-of-death registration. Mobarak AB, et al. **Trop Med Parasitol** 1985 Dec;36(4):186–90

[Neonatal tetanus in Kenya] Melgaard B, et al. **Ugeskr Laeger** 1986 Jun 9;148(24):1504–5 (Eng. Abstr.) (Dan)

[Trends of tetanus mortality and case fatality in Japan] Ebisawa I, et al. **Kansenshogaku Zasshi** 1985 Jul;59(7):701–7 (Eng. Abstr.) (Jpn)

OCCURRENCE

Case of tetanus in British Columbia. Gauvreau L. **Can Med Assoc J** 1985 Oct 15;133(8):771

A study of tetanus cases in a hospital at Manipal South Kanara district Karnakata. Vadivale VM, et al. **Indian J Public Health** 1985 Jan–Mar;29(1):29–35

Leads from the MMWR. Tetanus—United States, 1982–1984. **JAMA** 1985 Nov 22–29;254(20):2873, 2877–8

[Tetanus in the Faeroe Islands. A retrospective study of 9 cases, a questionnaire study for local physicians and a bacteriological examination of the soil] Berner J. **Ugeskr Laeger** 1985 Aug 12;147(33):2608–9 (Eng. Abstr.) (Dan)

[Tetanus—1984] Anusz Z. **Przegl Epidemiol** 1986; 40(1):108–12 (Eng. Abstr.) (Pol)

[Tetanus—1983] Anusz Z. **Przegl Epidemiol** 1985;39(1):151–6 (Eng. Abstr.) (Pol)

[Tetanus in Cantabria, 1981–1983] Martínez San Pedro F, et al. **Rev Sanid Hig Publica (Madr)** 1985 Jul–Aug; 59(7–8):925–35 (Eng. Abstr.) (Spa)

[Epidemiologic development of whooping cough and tetanus with regard to programs of childhood immunization] Ruiz Peláez ML, et al. **Rev Sanid Hig Publica (Madr)** 1984 Nov–Dec;58(11–12):1133–48 (Eng. Abstr.) (Spa)

PATHOLOGY

Induction of spheroid cytoplasmic bodies in a rat muscle by local tetanus. Chou SM, et al. **Muscle Nerve** 1986 Jun; 9(5):455–64

PHYSIOPATHOLOGY

Pharmacology of tetanus. Bleck TP. **Clin Neuropharmacol** 1986;9(2):103–20 (112 ref.)

Carotid chemoreceptor reflex in rats during experimental tetanus toxicity. Sofola OA, et al. **Gen Pharmacol** 1986; 17(1):113–6

Cephalic tetanus in an immunized patient. Clinical and electromyographic findings. Vieira BI, et al. **Med J Aust** 1986 Aug 4–18;145(3–4):156–7

PREVENTION & CONTROL

Diphtheria, tetanus, and pertussis: guidelines for vaccine prophylaxis and other preventive measures. Recommendation of the Immunization Practices Advisory Committee. Centers for Disease Control, Department of Health and Human Services. **Ann Intern Med** 1985 Dec; 103(6 (Pt 1)):896–905

The potential development of tetanus in wounded patients with AIDS: tetanus toxoid and tetanus immune globulin [letter] Furste W. **Arch Surg** 1986 Mar;121(3):367

Turkey red blood cell passive haemagglutination assay as guideline for specific prevention of tetanus in injured persons. Bistoni F, et al. **Bull WHO** 1985;63(5):905–14

Control of neonatal tetanus. Galazka AM. **Indian J Pediatr** 1985 Jul–Aug;52(417):329–41

Active anti-tetanus immunisation of females to control neonatal tetanus [letter] Réthy L, et al. **Lancet** 1986 Mar 15;1(8481):616

Tetanus and the aged [letter] Brinton K. **Nurse Pract** 1985 Nov;10(11):68

Diphtheria immunization. Desirability of combined tetanus and diphtheria injection in wound management. Levin PL. **Postgrad Med** 1986 Mar;79(4):139–40

Immunisation against diphtheria, tetanus, pertussis and polio. Ross EM. **Practitioner** 1985 Sep;229(1407):793–9

Selective primary health care: strategies for control of disease in the developing world. XXII. Tetanus: a preventable problem. Schofield F. **Rev Infect Dis** 1986 Jan–Feb; 8(1):144–56

Tetanus immunization of the elderly [letter] Krautter F. **South Med J** 1985 Nov;78(11):1401–2

The trained traditional birth attendant and neonatal tetanus. Ross DA. **WHO Offset Publ** 1986;(95):8–21 (53 ref.)

[Fatal tetanus 6 months after incomplete primary vaccination (letter)] Long JL, et al. **Presse Med** 1985 Jul 13–20; 14(28):1519–20 (Fre)

[Tetanus antitoxin levels and reactions following tetanus vaccination] Kuhlwein A, et al. **Hautarzt** 1985 Aug; 36(8):462–4 (Eng. Abstr.) (Ger)

[Transfusion as passive anti-tetanus prevention in injured patients in shock] Erdös G, et al. **Orv Hetil** 1986 Jan 5; 127(1):9–14 (Eng. Abstr.) (Hun)

[Evaluation and standardization of tests of tetanus toxoid potency. I. Evaluation of Polish standards and serial production vaccines] Sawicki J. **Med Dosw Mikrobiol** 1985; 37(3–4):165–71 (Eng. Abstr.) (Pol)

[Evaluation and standardization of tests of tetanus toxoid potency. II. Elaboration of basic parameters of the tests on mice] Sawicki J. **Med Dosw Mikrobiol** 1985; 37(3–4):172–8 (Eng. Abstr.) (Pol)

[Evaluation of the immunological effectiveness of the planned vaccinal prophylaxis of diphtheria and tetanus in Sverdlovsk and Sverdlovsk Province] Ivchenko SI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Jun;(6):15–9 (Eng. Abstr.) (Rus)

[Experience with the expanded WHO program on immunization against tetanus] Litvinov SK, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Nov;(11):97–103 (48 ref.) (Rus)

[The extent of utilization of passive immunization in the prevention of tetanus] Božović M. **Med Pregl** 1985; 38(11–12):543–5 (Eng. Abstr.) (Scr)

[Antitetanus prophylaxis, the need for an informative campaign (letter)] Orozco López P. **Med Clin (Barc)** 1985 Nov 23;85(17):730 (Spa)

THERAPY

Use of vecuronium in the management of tetanus. Powles AB, et al. **Anaesthesia** 1985 Sep;40(9):879–81

[Successful treatment of tetanus] Khodzhaev ShN, et al. **Ortop Travmatol Protez** 1985 Jul;(7):44–5 (Rus)

TRANSMISSION

Neonatal tetanus. Monif G. **Nebr Med J** 1986 May; 71(5):131–2

TETANUS ANTITOXIN

ADMINISTRATION & DOSAGE

Evaluation of intrathecal human tetanus immunoglobulins in tetanus neonatorum. Chugh K, et al. **Indian Pediatr** 1985 Feb;22(2):153–8

ANALYSIS

The fall-off in serum concentration of tetanus antitoxin after primary and booster vaccination. Simonsen O, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1986 Apr; 94(2):77–82

Measurement of human and mouse anti-tetanus antibodies and isotype analysis by ELISA. Farzad Z, et al. **J Immunol Methods** 1986 Feb 27;87(1):119–25

Tetanus antibodies as a marker of potential efficacy of killed polio immunization. Schoub BD, et al. **S Afr Med J** 1986 Aug 30;70(5):275–7

[Tetanus antitoxin levels in migrants in transit through São Paulo, Brazil] Basile MA, et al. **Rev Inst Med Trop Sao Paulo** 1985 Sep–Oct;27(5):249–57 (Eng. Abstr.) (Por)

[Local reactions and antitoxin circulating levels induced by the administration of tetanus toxoid. Comparative study between Ped-o-Jet and hypodermic syringe] Pluciennik AM, et al. **Rev Saude Publica** 1985 Jun;19(3):201–14 (Eng. Abstr.) (Por)

THERAPEUTIC USE

[Utilization of human anti-tetanus gamma globulins and their spatial distribution in Spain] García Molina G, et al. **Rev Sanid Hig Publica (Madr)** 1984 Nov–Dec; 58(11–12):1167–74 (Eng. Abstr.) (Spa)

TETANUS TOXIN

Tetanus toxin is labeled with photoactivatable phospholipids at low pH. Montecucco C, et al. **Biochemistry** 1986 Feb 25;25(4):919–24

Horse diarrhoea: Clostridium tetani as a cause of misdiagnosis of enterotoxaemia. Carman RJ. **Vet Rec** 1985 Oct 26; 117(17):445

ADMINISTRATION & DOSAGE

[The extent of utilization of passive immunization in the prevention of tetanus] Božović M. **Med Pregl** 1985; 38(11–12):543–5 (Eng. Abstr.) (Scr)

GENETICS

Cloning, nucleotide sequencing, and expression of tetanus toxin fragment C in Escherichia coli. Fairweather NF, et al. **J Bacteriol** 1986 Jan;165(1):21–7

IMMUNOLOGY

Protection of mice against tetanus toxin by combination of two human monoclonal antibodies recognizing distinct epitopes on the toxin molecule. Ziegler-Heitbrock HW, et al. **Hybridoma** 1986 Spring;5(1):21–31

Antibodies to tetanus toxin in black infants in South Africa [letter] Schoub BD, et al. **J Infect Dis** 1986 Mar;153(3):643

Clinical tetanus despite a protective level of toxin-neutralizing antibody. Passen EL, et al. **JAMA** 1986 Mar 7;255(9):1171–3

METABOLISM

Tetanus toxin binding to neuroblastoma cells differentiated by antimitotic agents. Notter MF, et al. **Brain Res** 1986 Apr;391(1):59–68

Neural induction and in vitro initial expression of neurofilament and tetanus toxin binding site molecules in amphibians. Duprat AM, et al. **Cell Differ** 1986 Jan; 18(1):57–64

Flow cytometric analysis of tetanus toxin binding to neuroblastoma cells. Notter MF, et al. **J Cell Physiol** 1985 Dec;125(3):476–84

Reevaluation of the role of gangliosides as receptors for tetanus toxin. Critchley DR, et al. **J Neurochem** 1986 Jul; 47(1):213–22

Interaction between tetanus toxin and rabbit kidney: a comparison with rat brain preparations. Habermann E, et al. **J Neurochem** 1986 Apr;46(4):1219–26

Characterization of the binding and internalization of tetanus toxin in a neuroblastoma hybrid cell line. Staub GC, et al. **J Neurosci** 1986 May;6(5):1443–51

PHARMACODYNAMICS

Molecular pharmacology of botulinum toxin and tetanus toxin. Simpson LL. **Annu Rev Pharmacol Toxicol** 1986; 26:427–53 (112 ref.)

Inhibition of macrophage secretion by tetanus toxin is not directly linked to cytosolic calcium homeostasis. Ho JL, et al. **Biochem Biophys Res Commun** 1986 Feb 26; 135(1):16–24

Tetanus toxin inhibits secretion of lysosomal contents from human macrophages. Ho JL, et al. **J Infect Dis** 1985 Nov; 152(5):922–9

Tetanus toxin in dissociated spinal cord cultures: long-term characterization of form and action. Habig WH, et al. **J Neurochem** 1986 Sep;47(3):930–7

Attenuation of inhibitory processes in the central nervous system by tetanus toxin: an in vitro study on rat hippocampal slices. Wieraszko A. **Life Sci** 1985 Dec 2; 37(22):2059–65

TOXICITY

Interaction of solid-phase gangliosides with tetanus toxin and toxoid. Habermann E, et al. **Toxicon** 1985;23(6):913–20

[Characteristics of the immune response of inoculated and intact animals to the administration of toxigenic and nontoxigenic strains of Clostridium tetani] Shvarts SA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Mar;(3):82–6 (Eng. Abstr.) (Rus)

TETANUS TOXOID

DPT immunization following radio announcement of a diphtheria death in Belize. Shanks GD. **Bull Pan Am Health Organ** 1985;19(4):384–8

Enhancement of antigonadotropin response to the beta-subunit of ovine luteinizing hormone by carrier conjugation and combination with the beta-subunit of human chorionic gonadotropin. Talwar GP, et al. **Fertil Steril** 1986 Jul;46(1):120–6

Response of preterm infants to DTP immunization [letter] **J Pediatr** 1986 Jun;108(6):1034–5

Litigation causes huge price increases in childhood vaccines [news] Kolata G. **Science** 1986 Jun 13;232(4756):1339

ADMINISTRATION & DOSAGE

Tetanus immunization recommendations for persons seven years of age and older. American College of Emergency Physicians. **Ann Emerg Med** 1986 Sep;15(9):1111–2

Diphtheria, tetanus, and pertussis: guidelines for vaccine

prophylaxis and other preventive measures. Recommendation of the Immunization Practices Advisory Committee. Centers for Disease Control, Department of Health and Human Services. **Ann Intern Med** 1985 Dec; 103(6 (Pt 1)):896–905

The efficacy of DPT and oral poliomyelitis immunization schedules initiated from birth to 12 weeks of age. Halsey N, et al. **Bull WHO** 1985;63(6):1151–69 (149 ref.)

Fractional doses of DPT vaccine [letter] Wassilak S, et al. **Can Med Assoc J** 1985 Oct 1;133(7):642

Diphtheria and tetanus toxoids and pertussis vaccine adsorbed (DTP): response to varying immunizing dosage and schedule. Barkin RM, et al. **Dev Biol Stand** 1985; 61:297–307

Pertussis immunization of infants using a new combined DTP–polio vaccine. Drucker J, et al. **Dev Biol Stand** 1985; 61:309–13

Immunization for Td and Rocky Mt. spotted fever [letter] Ennis AL. **Hosp Pract [Off]** 1986 Sep 15;21(9):16, 18

Clinical evaluation of the immunoadjuvant murabutide, a derivative of MDP, administered with a tetanus toxoid vaccine. Telzak E, et al. **J Infect Dis** 1986 Mar; 153(3):628–33

Malignant melanoma arising de novo within a T.A.B.T. inoculation site. Attard GJ. **J R Army Med Corps** 1986 Feb;132(1):20

DTP vaccine [letter] Barkin RM, et al. **JAMA** 1986 Apr 18;255(15):2026–7

Active anti-tetanus immunisation of females to control neonatal tetanus [letter] Réthy L, et al. **Lancet** 1986 Mar 15;1(8481):616

Vaccines and immunization schedules. Nagel J. **Trop Geogr Med** 1985 Sep;37(3):S42–9

[Fatal tetanus 6 months after incomplete primary vaccination (letter)] Long JL, et al. **Presse Med** 1985 Jul 13–20; 14(28):1519–20 **(Fre)**

[Diphtheria and tetanus antitoxin levels. 5th grade elementary school pupils before and after revaccination] Winsnes R, et al. **Tidsskr Nor Laegeforen** 1985 Nov 10;105(31):2202–6 (Eng. Abstr.) **(Nor)**

[Local reactions and antitoxin circulating levels induced by the administration of tetanus toxoid. Comparative study between Fed-o-Jet and hypodermic syringe] Pluciennik AM, et al. **Rev Saude Publica** 1985 Jun;19(3):201–14 (Eng. Abstr.) **(Por)**

[Circulation of antistaphylococcus and antitetanus antibodies in rabbits after intravenous passive immunization] Fedorovskaia EA, et al. **Fiziol Zh** 1986 Mar–Apr; 32(2):221–4 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

DTP vaccine litigation. Hinman AR. **Am J Dis Child** 1986 Jun;140(6):528–30

Physicians and the law [editorial] Kitch EW. **Am J Dis Child** 1986 Jun;140(6):525–6

Systemic reactions during cutaneous testing for tetanus toxoid hypersensitivity. Mansfield LE, et al. **Ann Allergy** 1986 Aug;57(2):135–7

Myocarditis after triple immunisation. Amsel SG, et al. **Arch Dis Child** 1986 Apr;61(4):403–5

Case-control study on encephalopathy associated with diphtheria–tetanus immunization in Campania, Italy. Greco D. **Bull WHO** 1985;63(5):919–25

Anaphylaxis due to vaccination in the office [letter] **Can Med Assoc J** 1986 May 15;134(10):1109

Anaphylaxis due to vaccination in the office. Ovens H. **Can Med Assoc J** 1986 Feb 15;134(4):369–70

DTP vaccine reactions: effect of prior reactions on rate of subsequent reactions. Baraff LJ, et al. **Dev Biol Stand** 1985; 61:423–8

Results with a new DTP vaccine in Japan. Kimura M, et al. **Dev Biol Stand** 1985;61:545–61

Post-vaccination symptoms following DTP and DT vaccination. Pollock TM, et al. **Dev Biol Stand** 1985; 61:407–10

Adverse events following immunization with DTP vaccine. Stetler HC, et al. **Dev Biol Stand** 1985;61:411–21

A short report of untoward reactions following administration of D.P.T. vaccine and vitamin A in an under five clinic. Ray SK, et al. **Indian J Public Health** 1984 Oct–Dec;28(4):213–6

DTP: drug manufacturers' liability in vaccine-related injuries. David AB, et al. **J Leg Med (Chicago)** 1986 Jun; 7(2):187–233

Pertussis and the pertussis vaccine. McKercher SW. **SD J Med** 1986 Jan;39(1):5–11

"The toxic shot syndrome". Thoman M. **Vet Hum Toxicol** 1986 Apr;28(2):163–6

[Experimental studies of the reactivity of adsorbed tetanus toxoids in guinea pigs] Künzel W, et al. **Arch Exp Veterinarmed** 1985 May;39(3):450–5 (Eng. Abstr.) **(Ger)**

[Neural complications after diphtheria vaccination and inoculations with diphtheria toxoid–mixed vaccines. Observations on their etiopathogenesis] Ehrengut W. **Dtsch Med Wochenschr** 1986 Jun 13;111(24):939–42 (Eng. Abstr.) **(Ger)**

[Tetanus antitoxin levels and reactions following tetanus vaccination] Kuhlwein A, et al. **Hautarzt** 1985 Aug; 36(8):462–4 (Eng. Abstr.) **(Ger)**

[Detection of tolerance to diphtheria–pertussis–tetanus vaccines] Künzel W, et al. **Padiatr Grenzgeb** 1986; 25(2–3):197–203 (Eng. Abstr.) **(Ger)**

ANALYSIS

A rapid and sensitive method for the identity testing of adsorbed tetanus toxoid. Gupta RK, et al. **J Biol Stand** 1985 Oct;13(4):355–9

[Trace element content and reactivity of DPT adsorbate vaccines] Lüderitz P, et al. **Z Gesamte Hyg** 1985 Jul; 31(7):440 **(Ger)**

IMMUNOLOGY

Diphtheria, tetanus, and pertussis vaccine. A comparison of the immune response and adverse reactions to conventional and acellular pertussis components. Edwards KM, et al. **Am J Dis Child** 1986 Sep;140(9):867–71

A double-blind study comparing an acellular pertussis-component DTP vaccine with a whole-cell pertussis-component DTP vaccine in 18-month-old children. Lewis K, et al. **Am J Dis Child** 1986 Sep; 140(9):872–6

Abnormalities of antibody production after thermal injury. An association with reduced interleukin 2 production. Wood JJ, et al. **Arch Surg** 1986 Jan;121(1):108–15

Characterization of stable Epstein-Barr (EB) virus transformed cell lines and mouse-human hybridomas producing a large quantity of anti-tetanus toxoid (TT) monoclonal antibody. Minakawa H, et al. **Behring Inst Mitt** 1985 Dec;(78):139–47

IgG anti-tetanus toxoid antibody production induced by Epstein-Barr virus from B cells of human marrow transplant recipients. Jin NR, et al. **Cell Immunol** 1986 Aug; 101(1):266–73

Impaired IgG response to tetanus toxoid in human membranous nephropathy: association with HLA-DR3. Feehally J, et al. **Clin Exp Immunol** 1986 Feb;63(2):376–84

Modulation of the human immune response by the non-toxic and non-pyrogenic adjuvant aluminium hydroxide: effect on antigen uptake and antigen presentation. Mannhalter JW, et al. **Clin Exp Immunol** 1985 Jul;61(1):143–51

Simultaneous induction of rheumatoid factor- and antigen-specific antibody-secreting cells during the secondary immune response in man. Tarkowski A, et al. **Clin Exp Immunol** 1985 Aug;61(2):379–87

Evaluation of cutaneous response to tetanus antigen to document immunization: preliminary observations. Bhatia S, et al. **Indian Pediatr** 1985 Apr;22(4):267–73

Salivary antibody responses to oral and parenteral vaccines in children. Smith DJ, et al. **J Clin Immunol** 1986 Jan; 6(1):43–9

In vitro immunization of human lymphocytes. I. Production of human monoclonal antibodies against bombesin and tetanus toxoid. Ho MK, et al. **J Immunol** 1985 Dec; 135(6):3831–8

A restricted human antitetanus clonotype shares idiotypic cross-reactivity with tetanus antibodies from most human donors and rabbits: reactivity with antibodies of widely differing electrophoretic mobility. Hoffman WL, et al. **J Immunol** 1985 Dec;135(6):3802–7

Induction of meningococcal group B polysaccharide-specific IgG antibodies in mice by using an N-propionylated B polysaccharide-tetanus toxoid conjugate vaccine. Jennings HJ, et al. **J Immunol** 1986 Sep 1;137(5):1708–13

Antibodies to acetylcholine receptor and tetanus toxoid: in vitro synthesis by thymic lymphocytes. Lisak RP, et al. **J Immunol** 1986 Aug 15;137(4):1221–5

Abnormalities of the in vitro cellular and humoral responses to tetanus and influenza antigens with concomitant numerical alterations in lymphocyte subsets in Down syndrome (trisomy 21). Philip R, et al. **J Immunol** 1986 Mar 1;136(5):1661–7

Pseudomonas aeruginosa polysaccharide-tetanus toxoid conjugate vaccine: safety and immunogenicity in humans. Cryz SJ Jr, et al. **J Infect Dis** 1986 Oct;154(4):682–8

Pediatric diphtheria and tetanus toxoids-adsorbed vaccine: immune response to the first booster following the diphtheria and tetanus toxoids vaccine primary series. Pichichero ME, et al. **Pediatr Infect Dis** 1986 Jul-Aug; 5(4):428–30

IgG and IgG subclass specific antibody responses to diphtheria and tetanus toxoids in newborns and infants given DTP immunization. Dengrove J, et al. **Pediatr Res** 1986 Aug;20(8):735–9

Cellular immunity to vaccinations and herpesvirus infections after bone marrow transplantation. Gratama JW, et al. **Transplantation** 1986 Jun;41(6):719–24

[Antibody response to tetanus in people in older age groups] Trmal J, et al. **Cesk Epidemiol Mikrobiol Imunol** 1986 Jul; 35(4):232–8 (Eng. Abstr.) **(Cze)**

[Antibody response to the fractionated administration of the 2d or 3d basic vaccination injection with a mixed vaccine against diphtheria, tetanus and pertussis] Vodičková M, et al. **Cesk Pediatr** 1986 Jun;41(6):321–3 (Eng. Abstr.) **(Cze)**

[Immunosuppressive response to antitetanus vaccine in mice infected with Plasmodium berghei yoelii] Tarzaali A. **Arch Inst Pasteur Alger** 1980;54:191–6 (Eng. Abstr.) **(Fre)**

[Intracutaneous test with tetanus toxoid—a possibility for evaluating cellular immune reaction] Schöntube M, et al. **Padiatr Grenzgeb** 1986;25(2–3):275–81 (Eng. Abstr.) **(Ger)**

[Obligatory anti-tetanus vaccination and the public health service] Di Stanislao F, et al. **Boll Ist Sieroter Milan** 1985; 64(6):447–54 (Eng. Abstr.) **(Ita)**

[Anti-tetanus protection in a homogeneous group of vaccinated subjects from the city of Reggio Emilia] Vecchi A, et al. **Boll Ist Sieroter Milan** 1985;64(6):486–9 (Eng. Abstr.) **(Ita)**

[Age-related changes in immune response and its underlying mechanisms] Kishimoto S. **Nippon Naika Gakkai Zasshi** 1985 Oct;74(10):1357–60 **(Jpn)**

[Effect of tetanus anatoxin on HBs antigenemia in acute hepatitis B] Ptaszkowski K. **Pol Tyg Lek** 1985 Jun 17; 40(24):681–5 (Eng. Abstr.) **(Pol)**

[Relation between human erythrocytic polymorphism and immunologic reactivity to tetanus, typhoid and smallpox antigens] Veresh I, et al. **Gematol Transfuziol** 1985 Nov; 30(11):7–12 (Eng. Abstr.) **(Rus)**

[Evaluation of the immunological effectiveness of the planned vaccinal prophylaxis of diphtheria and tetanus in Sverdlovsk and Sverdlovsk Province] Ivchenko SI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Jun;(6):15–9 (Eng. Abstr.) **(Rus)**

[Epidemiological and immunological criteria of the effectiveness of immunization with adsorbed DPT vaccine by the old and new schedules] Sokhin AA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Dec;(12):45–8 (Eng. Abstr.) **(Rus)**

[Immune response after revaccination with tetanus anatoxin in persons over 60 years of age] Masár I, et al. **Cesk Epidemiol Mikrobiol Imunol** 1986 Jul;35(4):211–6 (Eng. Abstr.) **(Slo)**

PHARMACODYNAMICS

Influence of several bacterial and viral vaccines on hepatic drug metabolism in mice. Descotes J, et al. **Methods Find Exp Clin Pharmacol** 1985 Sep;7(9):481–3

Separation of human B lymphocytes on Helix pomatia A haemagglutinin into two major fractions differing in responsiveness to T-dependent mitogen (pokeweed mitogen) or antigen (tetanus toxoid). Robertsson ES, et al. **Scand J Immunol** 1986 Feb;23(2):143–52

STANDARDS

[Evaluation and standardization of tests of tetanus toxoid potency. I. Evaluation of Polish standards and serial production vaccines] Sawicki J. **Med Dosw Mikrobiol** 1985; 37(3–4):165–71 (Eng. Abstr.) **(Pol)**

[Evaluation and standardization of tests of tetanus toxoid potency. II. Elaboration of basic parameters of the tests on mice] Sawicki J. **Med Dosw Mikrobiol** 1985; 37(3–4):172–8 (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

The fall-off in serum concentration of tetanus antitoxin after primary and booster vaccination. Simonsen O, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1986 Apr; 94(2):77–82

The potential development of tetanus in wounded patients with AIDS: tetanus toxoid and tetanus immune globulin [letter] Furste W. **Arch Surg** 1986 Mar;121(3):367

DTP vaccinations should be resumed. **FDA Drug Bull** 1985 Aug;15(2):19

Age of diphtheria, tetanus, and pertussis immunization of special care nursery graduates. Vohr BR, et al. **Pediatrics** 1986 Apr;77(4):569–71

Diphtheria immunization. Desirability of combined tetanus and diphtheria injection in wound management. Levin PL. **Postgrad Med** 1986 Mar;79(4):139–40

[Transfusion as passive anti-tetanus prevention in injured patients in shock] Erdös G, et al. **Orv Hetil** 1986 Jan 5; 127(1):9–14 (Eng. Abstr.) **(Hun)**

TOXICITY

Swelling of the brain in mice caused by pertussis vaccine—its quantitative determination and the responsible factors in the vaccine. Iwasa S, et al. **Jpn J Med Sci Biol** 1985 Apr; 38(2):53–65

Interaction of solid-phase gangliosides with tetanus toxin and toxoid. Habermann E, et al. **Toxicon** 1985;23(6):913–20

[Evaluation of the toxicity of the pertussis component of the Di-Te-Per vaccine] Gołobów M, et al. **Med Dosw Mikrobiol** 1986;38(1):9–14 (Eng. Abstr.) **(Pol)**

TETANUS VACCINE see **TETANUS TOXOID**

TETANY

Late neonatal hypocalcemic tetany [letter] Yoshioka H, et al. **Am J Dis Child** 1986 Mar;140(3):191–2

[Spasmophilia] Vender E. **Clin Ter** 1985 Oct 31;115(2):105–12 (9 ref.) (Eng. Abstr.) **(Ita)**

CHEMICALLY INDUCED

Hypomagnesaemic tetany associated with prolonged treatment with aminoglycosides [letter] **Br Med J [Clin Res]** 1986 May 10;292(6530):1272–3

Hypomagnesaemic tetany associated with prolonged treatment with aminoglycosides. Wilkinson R, et al. **Br Med J [Clin Res]** 1986 Mar 22;292(6523):818–9

Hypocalcaemic tetany induced by hypertonic-phosphate enema [letter] Haskell LP. **Lancet** 1985 Dec 21-28; 2(8469-70):1433
Tetany associated with nifedipine [letter] Bosso JV, et al. **N Engl J Med** 1986 Aug 28;315(9):584-5

COMPLICATIONS

Clinical and paraclinical aspects of tetany in stuttering. Costa D, et al. **Act Nerv Super (Praha)** 1986 Jun;28(2):156-8

DIAGNOSIS

Tetanic syndrome during year seasons. I. Ischemic and hyperventilation tests. Steidl L, et al. **Acta Univ Palacki Olomuc Fac Med** 1984;107:291-8
Tetanic syndrome during year seasons. II. Stimulation electromyography. Steidl L, et al. **Acta Univ Palacki Olomuc Fac Med** 1984;107:299-306
[Spasmophilia or panic attack?] Horenstein M. **Presse Med** 1986 Jun 28;15(26):1230-6 (Eng. Abstr.) (Fre)
[Clinical manifestations of spasmophilia in developing age] Paci A, et al. **Pediatr Med Chir** 1984 Nov-Dec;6(6):823-9 (Eng. Abstr.) (Ita)
[Criteria for the EMG diagnosis of tetanic syndromes] Kukumberg P. **Bratisl Lek Listy** 1986 May;85(5):599-603 (Eng. Abstr.) (Slo)

DRUG THERAPY

Rheographic indications for reduced cerebral vasoconstriction after oral magnesium medication in tetanic patients, a double-blind, placebo-controlled trial. Fehlinger R, et al. **Magnesium** 1986;5(2):60-5
Long-term follow-up of mitral valve prolapse and latent tetany. Preliminary data. Frances Y, et al. **Magnesium** 1986; 5(3-4):175-81
Therapeutic effect of a magnesium salt in patients suffering from mitral valvular prolapse and latent tetany. Simões Fernandes J, et al. **Magnesium** 1985;4(5-6):283-90
[Unusual indications for beta-blockers] Hugues FC, et al. **Therapie** 1985 Nov-Dec;40(6):417-21 (Eng. Abstr.) (Fre)

ETIOLOGY

Late-onset neonatal hypocalcemic tetany [letter] Bancroft JD. **Am J Dis Child** 1986 Feb;140(2):92
Persistent secondary hyperparathyroidism in infants fed humanized cow milk formula [letter] Cunningham AS. **Am J Dis Child** 1985 Dec;139(12):1182
Neonatal tetany and high-phosphate infant formulas [letter] Gardner LI. **Am J Dis Child** 1986 Sep;140(9):853-4
Late-onset tetany with hypocalcemia and hyperphosphatemia [letter] Matustik MC. **Am J Dis Child** 1986 Sep;140(9):854-5
Tetany induced by hypokalemia in the absence of alkalosis. Jacob J, et al. **Am J Med Sci** 1986 Apr;291(4):284-5
Early onset of tetany following thyroidectomy: report of two cases. Scanlon EF, et al. **J Surg Oncol** 1985 Aug; 29(4):222-3
Normocalcemic tetany and candidiasis. Galland L. **Magnesium** 1985;4(5-6):339-44
Tetany and myocardial arrhythmia due to hypomagnesaemia. A case report. James MF, et al. **S Afr Med J** 1986 Jan 4;69(1):48-9
Hypocalcemic tetany in a child with acute leukemia. Yetgin S, et al. **Turk J Pediatr** 1986 Jan-Mar;28(1):73-5
[Carpopedal spasm during anesthesia with halothane: malignant hyperthermia or tetany?] Kancir CB. **Ann Fr Anesth Reanim** 1986;5(2):170-2 (Eng. Abstr.) (Fre)
[Tetany caused by hypocalcemia and hypomagnesemia in a 15-year-old boy on long-term hemodialysis] Imiela B. **Pol Tyg Lek** 1986 Jan 13;41(2):53-4 (Eng. Abstr.) (Pol)
[Tetany and rickets in the neonatal period (2)] Frenk S, et al. **Bol Med Hosp Infant Mex** 1985 Oct;42(10):639-45 (104 ref.) (Eng. Abstr.) (Spa)

METABOLISM

Impaired essential fatty acid metabolism in latent tetany. Galland L. **Magnesium** 1985;4(5-6):333-8
[Parenteral administration of magnesium in spasmophilia] Itzkowitch D, et al. **Rev Med Brux** 1986 Mar;7(3):145-8 (Eng. Abstr.) (Fre)
[Tetany and rickets in the neonatal period] Frenk S, et al. **Bol Med Hosp Infant Mex** 1985 Sep;42(9):575-81 (Eng. Abstr.) (Spa)

PHYSIOPATHOLOGY

[Spasmophilia, vasomotor rhinitis and respiratory allergy] Marzouki M, et al. **Tunis Med** 1985 Oct;63(10):549-53 (Eng. Abstr.) (Fre)

THERAPY

[Treatment of tetanus. Review of the cases of tetanus treated in the Department of Infectious Diseases, University Hospital, Copenhagen, 1962-1981] Kristensen HS, et al. **Ugeskr Laeger** 1986 Jul 7;148(28):1743-6 (Eng. Abstr.) (Dan)
[Therapy of so-called syncope attacks and neurogenic, normocalcemic tetanic syndrome] Stössel K. **Psychiatr Neurol Med Psychol Beih** 1966;4-5:104-15 (Ger)

VETERINARY

[Pathogenesis and prevention of grass tetany from the physiologic viewpoint] Martens H, et al. **DTW** 1986 Apr 7;93(4):170-7 (Eng. Abstr.) (Ger)

TETRABENAZINE

ANALOGS & DERIVATIVES

Photoaffinity labeling of the tetrabenazine binding sites of bovine chromaffin granule membranes. Isambert MF, et al. **Biochemistry** 1985 Jul 2;24(14):3660-7
The regionalization of [3H]dihydrotetrabenazine binding sites in the mouse brain and its relationship to the distribution of monoamines and their metabolites. Scherman D, et al. **Brain Res** 1986 Apr 2;370(1):176-81
The pharmacokinetics of tetrabenazine and its hydroxy metabolite in patients treated for involuntary movement disorders. Roberts MS, et al. **Eur J Clin Pharmacol** 1986; 29(6):703-8
Dihydrotetrabenazine binding and monoamine uptake in mouse brain regions. Scherman D. **J Neurochem** 1986 Aug; 47(2):331-9
[3H]Dihydrotetrabenazine binding to bovine striatal synaptic vesicles. Near JA. **Mol Pharmacol** 1986 Sep;30(3):252-7

ANTAGONISTS & INHIBITORS

Amitriptyline normalizes tetrabenazine-induced changes in cerebral microcirculation. Kent TA, et al. **Biol Psychiatry** 1986 May;21(5-6):483-91
Effects of imipramine on behavior and brain norepinephrine metabolism in tetrabenazine treated rats: comparative study of a single administration with repeated administrations of imipramine. Hori A, et al. **Folia Psychiatr Neurol Jpn** 1983; 37(4):465-74

METABOLISM

Photoaffinity labeling of the tetrabenazine binding sites of bovine chromaffin granule membranes. Isambert MF, et al. **Biochemistry** 1985 Jul 2;24(14):3660-7
The pharmacokinetics of tetrabenazine and its hydroxy metabolite in patients treated for involuntary movement disorders. Roberts MS, et al. **Eur J Clin Pharmacol** 1986; 29(6):703-8

TOXICITY

Tetrabenazine and dystonia in primates. Liebman JM. **Ann Neurol** 1986 Feb;19(2):203-4

TETRABROMOFLUORESCEIN see EOSIN

TETRACAINE

Local and spinal anesthesia for cesarean section in a patient with myotonic dystrophy. Cope DK, et al. **Anesth Analg** 1986 Jun;65(6):687-90
A 2H-NMR study on the interactions of the local anesthetic tetracaine with membranes containing phosphatidylserine. Kelusky EC, et al. **Biochim Biophys Acta** 1986 Mar 27; 856(1):85-90
Spinal anaesthesia with 0.75% bupivacaine and 0.5% amethocaine in 5% glucose. Marstrand T, et al. **Br J Anaesth** 1985 Oct;57(10):971-5
[Effect of added phenylephrine on the duration and intensity of spinal anesthesia with tetracaine] Ohta K, et al. **Masui** 1985 Nov;34(11):1499-504 (Eng. Abstr.) (Jpn)

ADMINISTRATION & DOSAGE

Topical anesthesia for laceration repair: tetracaine versus TAC (tetracaine, adrenaline, and cocaine). White WB, et al. **Am J Emerg Med** 1986 Jul;4(4):319-22
[Tetracaine with the addition of metaraminol in spinal anesthesia] Vo Van JM, et al. **Cah Anesthesiol** 1985 Jun-Jul; 33(4):361-2 (Fre)
[Peridural anesthesia in cholecystectomy] Aleksandrov VV, et al. **Vestn Khir** 1985 Oct;135(10):112-4 (Eng. Abstr.) (Rus)

ANALYSIS

1H NMR spectroscopic studies of interactions between dimyristoylphosphatidylcholine (DMPC) and europium nitrate in the presence of tetracaine. Kondo M, et al. **Jpn J Pharmacol** 1985 Sep;39(1):21-9

METABOLISM

Spin label study of local anesthetic-lipid membrane interactions. Phase separation of the uncharged form and bilayer micellization by the charged form of tetracaine. Frezzatti WA Jr, et al. **Biochim Biophys Acta** 1986 Sep 11;860(3):531-8
[3H]-tetracaine binding on rat synaptosomes and sodium channels. Grima M, et al. **Br J Pharmacol** 1985 Sep; 86(1):125-9

PHARMACODYNAMICS

Comparative effects of intrathecal bupivacaine and tetracaine on analgesia, cardiovascular function and plasma catecholamines. Bigler D, et al. **Acta Anaesthesiol Scand** 1986 Apr;30(3):199-203
Cinchocaine and amethocaine inhibit activation and activity of superoxide production in human neutrophils. Irita K, et al. **Br J Anaesth** 1986 Jun;58(6):639-45
Effects of caffeine, tetracaine, and ryanodine on calcium-dependent oscillations in sheep cardiac Purkinje fibers. Nieman CJ, et al. **J Gen Physiol** 1985 Dec; 86(6):877-89
Effects of glibenclamide and tetracaine on 86Rb+ fluxes in mouse pancreatic beta-cells. Norlund L, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Oct; 331(1):104-7
[Effect of tetracaine and sovcaine and the ATP-dependent calcium accumulation in sarcoplasmic reticulum vesicles of skeletal muscles] Diadiusha GP, et al. **Ukr Biokhim Zh** 1986 Jul-Aug;58(4):40-5 (Eng. Abstr.) (Rus)

POISONING

Veterinary euthanasia drugs as suicide agents. Cordell WH, et al. **Ann Emerg Med** 1986 Aug;15(8):939-43

THERAPEUTIC USE

Clinical comparison of TAC anesthetic solutions with and without cocaine. Schaffer DJ. **Ann Emerg Med** 1985 Nov; 14(11):1077-80

TETRACEMATE see EDTA

TETRACHLORODIBENZODIOXIN see under DIOXINS

TETRACHLOROETHYLENE

ADVERSE EFFECTS

Thioethers in urine during occupational exposure to tetrachloroethylene. Lafuente A, et al. **Br J Ind Med** 1986 Jan;43(1):68-9
[Psychological effects of long-term exposure to tetrachloroethylene] Seeber A, et al. **Z Gesamte Hyg** 1986 Mar;32(3):142-5 (Eng. Abstr.) (Ger)

ANALYSIS

The determination of trichloroethylene and tetrachloroethylene in air. Peers AM. **IARC Sci Publ** 1985; (68):205-11
[Pollution of drinking water by tetrachloroethylene] Möse JR, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Jun; 181(1-2):111-20 (Eng. Abstr.) (Ger)
[Determining trichloroacetic acid in the urine by the gas chromatography method] Kostrzewski P. **Med Pr** 1986; 37(1):53-8 (Eng. Abstr.) (Pol)

BLOOD

Determination of tetrachloroethylene in blood. Pekari K, et al. **IARC Sci Publ** 1985;(68):451-5
Metabolites of chlorinated solvents in blood and urine of subjects exposed at environmental level. Ziglio G, et al. **Sci Total Environ** 1985 Dec;47:473-7

PHARMACODYNAMICS

Trichloroacetic acid accumulates in murine amniotic fluid after tri- and tetrachloroethylene inhalation. Ghantous H, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Feb; 58(2):105-14
Chronic effects of perchloroethylene and trichloroethylene on the gerbil brain amino acids and glutathione. Briving C, et al. **Neurotoxicology** 1986 Spring;7(1):101-8

POISONING

Acute tetrachloroethylene poisoning—blood elimination kinetics during hyperventilation therapy. Köppel C, et al. **J Toxicol Clin Toxicol** 1985;23(2-3):103-15
[Retrospective diagnosis of a coma in an infant] Dupont D, et al. **Ann Fr Anesth Reanim** 1986;5(1):70-1 (Eng. Abstr.) (Fre)

TOXICITY

Toxicity assessment of tetrachloroethylene, trichloroethylene and 1,1,1-trichloroethane using human and monkey cells. Mochida K, et al. **Bull Environ Contam Toxicol** 1985 Nov; 35(5):593-5
The subchronic toxicity of tetrachloroethylene (perchloroethylene) administered in the drinking water of rats. Hayes JR, et al. **Fundam Appl Toxicol** 1986 Jul; 7(1):119-25
Tetrachloroethylene: levels of DNA and S-100 in the gerbil CNS after chronic exposure. Rosengren LE, et al. **Neurobehav Toxicol Teratol** 1986 Mar-Apr;8(2):201-6
Induction of single-strand breaks in DNA of mice by trichloroethylene and tetrachloroethylene. Walles SA. **Toxicol Lett** 1986 Apr;31(1):31-5
[Tetrachloroethylene: effect of low concentrations of 1,1,2,2-tetrachloroethylene (perchloroethylene) on the mouse. II. Study of tetrachloroethylene in various organs and demonstration of histological changes in the examined organs] Marth E, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Dec; 181(6):541-7 (Eng. Abstr.) (Ger)
[Tetrachloroethylene: effect of low concentrations of

1,1,2,2-tetrachloroethylene (perchloroethylene) on organisms in the mouse. I. Laboratory chemical research] Marth E, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Dec;181(6):525–40 (Eng. Abstr.) **(Ger)**

TETRACHLORVINPHOS

PHARMACODYNAMICS

Effects of tetrachlorvinphos on hepatic microsomal enzymes in the rat. Ye ZJ, et al. **Acta Acad Med Wuhan** 1985; 5(3):173–7

TOXICITY

Oncogenic evaluation of tetrachlorvinphos in the B6C3F1 mouse. Parker CM, et al. **Fundam Appl Toxicol** 1985 Oct; 5(5):840–54

[Mechanism of induction of hepatic microsomal enzymes by tetrachlorvinphas (TCVP)] Ye ZJ, et al. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1984 Nov; 18(6):325–7 (Eng. Abstr.) **(Chi)**

TETRACYCLINE

Effects of toluene permeabilization and cell deenergization on tetracycline resistance in Escherichia coli. McMurry LM, et al. **Antimicrob Agents Chemother** 1986 Apr; 29(4):681–6

Construction of frameshift mutation hot spots within the tetracycline resistance gene of pBR322. Burnouf D, et al. **Biochimie** 1985 Mar–Apr;67(3–4):385–9

Nucleotide sequence of the tetracycline resistance gene of pTHT15, a thermophilic Bacillus plasmid: comparison with staphylococcal TetK controls. Hoshino T, et al. **Gene** 1985; 37(1–3):131–8

The nucleotide sequence of the tetracycline resistance gene of plasmid pNS1981 from Bacillus subtilis differs from pTHT15 from a Thermophilic bacillus by two base pairs. Makaguchi R, et al. **Plasmid** 1986 Jul;16(1):72–3

ADMINISTRATION & DOSAGE

Tetracycline instillation for recurrent cystic thyroid nodules. DeYoung JP, et al. **Can J Surg** 1986 Mar;29(2):118–9

Treatment of pneumothorax with intrapleural tetracycline [editorial] Stephenson LW. **Chest** 1985 Dec;88(6):803–4

Tetracycline sclerosis in the management of malignant pericardial effusion. Shepherd FA, et al. **J Clin Oncol** 1985 Dec;3(12):1678–82

Tetracyclines inhibit tissue collagenases. Effects of ingested low-dose and local delivery systems. Golub LM, et al. **J Periodontol** 1985 Nov;56(11 Suppl):93–7

Clinical responses following periodontal treatment by local drug delivery. Goodson JM, et al. **J Periodontol** 1985 Nov; 56(11 Suppl):81–7

The effect of treatment on Actinobacillus actinomycetemcomitans in localized juvenile periodontitis. Mandell RL, et al. **J Periodontol** 1986 Feb;57(2):94–9

Comparison between the efficacy of a single dose of secnidazole with a 5-day course of tetracycline and clioquinol in the treatment of acute intestinal amoebiasis. Soedin K, et al. **Pharmatherapeutica** 1985;4(4):251–4

ADVERSE EFFECTS

Tetracycline induced esophagitis. Bell RL. **Ala Med** 1986 Mar;35(9):47–50

Minor complication of thyroid cyst sclerosis with tetracycline [letter] Ryan WG, et al. **Arch Intern Med** 1986 Jan; 146(1):201–2

Patient assessment of the value of bleaching tetracycline-stained teeth. Reid JS. **ASDC J Dent Child** 1985 Sep–Oct;52(5):353–5

Fixed drug erythema due to two unrelated drugs. Pandhi RK, et al. **Australas J Dermatol** 1985 Aug;26(2):88–9

Metallic taste associated with tetracycline therapy. Magnasco LD, et al. **Clin Pharm** 1985 Jul–Aug;4(4):455–6

Pseudotumor cerebri—a complication of tetracycline treatment of acne. Pierog SH, et al. **J Adolesc Health Care** 1986 Mar;7(2):139–40

Stevens–Johnson syndrome and toxic epidermal necrolysis in a patient with systemic lupus erythematosus [letter] Burge SM, et al. **J Am Acad Dermatol** 1985 Oct;13(4):665–6

Structural effects of bleaching on tetracycline-stained vital rat teeth [letter] Arcuri M. **J Prosthet Dent** 1986 May; 55(5):662

Tetracycline and staining of the teeth [letter] Grossman ER. **JAMA** 1986 May 9;255(18):2442–3

Tetracycline-induced staining of teeth. Scopp IW, et al. **Postgrad Med** 1986 May 1;79(6):202–3

[Eosinophilia and pulmonary infiltration induced by oral tetracycline] Lehtonen K, et al. **Duodecim** 1986; 102(3):175–7 **(Fin)**

[Esophageal ulcer after ingestion of tetracycline capsules] Maroy B. **Ann Radiol (Paris)** 1985;28(5):399–400 (Eng. Abstr.) **(Fre)**

ANALYSIS

Spectrophotometric determination of tetracycline with sodium molybdate. Sultan SM. **Analyst** 1986 Jan; 111(1):97–9

High-performance liquid chromatographic determination of phenazopyridine hydrochloride, tetracycline hydrochloride and sulphamethizole in combination. Du Preez JL, et al. **J Chromatogr** 1985 Sep 27;333(1):249–52

ANTAGONISTS & INHIBITORS

[Characteristics of the derepressed mutant of the F-like plasmid pAP18–1 coding for tetracycline resistance in Escherichia coli] Shchipkov VP, et al. **Antibiot Med Biotekhnol** 1986 Jan;31(1):28–31 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

Osteoid-osteoma: intraoperative tetracycline-fluorescence demonstration of the nidus. Ayala AG, et al. **J Bone Joint Surg [Am]** 1986 Jun;68(5):747–51

[Long-term evaluation by the tetracycline labeling technic of the action of sodium diclofenac in direct pulp capping] Deli G, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1985 Apr; 28(1):9–17 (Eng. Abstr.) **(Fre)**

METABOLISM

The distribution of 3H-tetracycline after a single, oral dose in the rainbow trout (Salmo gairdneri) as observed by whole body autoradiography. Ingebrigtsen K, et al. **Acta Vet Scand** 1985;26(3):428–30

Influence of dioctyl sodium sulfosuccinate on the absorption of tetracycline. Shah VP, et al. **Biopharm Drug Dispos** 1986 Jan–Feb;7(1):27–33

Energetics of tetracycline efflux system encoded by Tn10 in Escherichia coli. Kaneko M, et al. **FEBS Lett** 1985 Dec 2;193(2):194–8

Mineralisation in experimental fracture repair estimated by tetracycline deposition. Rath S, et al. **Indian J Med Res** 1986 Feb;83:202–9

Kinetic and equilibrium characterization of the Tet repressor-tetracycline complex by fluorescence measurements. Evidence for divalent metal ion requirement and energy transfer. Takahashi M, et al. **J Mol Biol** 1986 Feb 5;187(3):341–8

Incidence of experimental fascioliasis on hepatic disposition of [3H]tetracycline and [14C]rafoxanide in rats. Galtier P, et al. **J Pharm Sci** 1985 Sep;74(9):1004–6

Pharmacokinetics of tetracycline in chickens after intravenous administration. Anadón A, et al. **Poult Sci** 1985 Dec;64(12):2273–9

[Spectral fluorimetric method for the determination of tetracycline storage in bones] Letko G, et al. **Beitr Orthop Traumatol** 1985 Oct;32(10):512–5 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Tetracycline-induced changes in hepatocytes of mini-pigs and mini-pig foetuses as revealed by electron microscopy. Rømert P, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1986 Mar; 94(2):125–31

Dissemination of the tetM tetracycline resistance determinant to Ureaplasma urealyticum. Roberts MC, et al. **Antimicrob Agents Chemother** 1986 Feb;29(2):350–2

Comparative effects of tetracycline and doxycycline on liver function of young adult and old mice. Hopf G, et al. **Arch Int Pharmacodyn Ther** 1985 Nov;278(1):157–68

Quantitative assessment of the polysome profile of the livers of mice treated with tetracycline or doxycycline. Hopf G, et al. **Biochem Pharmacol** 1985 Oct 15;34(20):3689–91

Effect of cephalexin and tetracycline on galactose absorption in rat small intestine. Barcina Y, et al. **Drug Nutr Interact** 1986;4(3):299–307

Antimicrobial activity of norfloxacin in enteric and urinary tract infections: combined effect of norfloxacin with aminoglycosides, tetracycline and chloramphenicol. Mascellino MT, et al. **Drugs Exp Clin Res** 1986; 12(4):319–23

Expression of tetracycline resistance in pBR322 derivatives reduces the reproductive fitness of plasmid-containing Escherichia coli. Lee SW, et al. **Gene** 1985;39(2–3):173–80

Streptococcal tetracycline resistance mediated at the level of protein synthesis. Burdett V. **J Bacteriol** 1986 Feb; 165(2):564–9

Regions in Bacteroides plasmids pBFTM10 and pB8–51 that allow Escherichia coli–Bacteroides shuttle vectors to be mobilized by IncP plasmids and by a conjugative Bacteroides tetracycline resistance element. Shoemaker NB, et al. **J Bacteriol** 1986 Jun;166(3):959–65

Plasmid-mediated tetracycline resistance in Campylobacter jejuni: expression in Escherichia coli and identification of homology with streptococcal class M determinant. Taylor DE. **J Bacteriol** 1986 Mar;165(3):1037–9

Tn2440, a composite tetracycline resistance transposon with direct repeated copies of IS160 at its flanks. Nies BA, et al. **J Gen Microbiol** 1985 Sep;131 (Pt 9):2443–7

DNA alterations photosensitized by tetracycline and some of its derivatives. Piette J, et al. **J Invest Dermatol** 1986 Jun;86(6):653–8

Experimental oral candidal infection and carriage of oral bacteria in rats subjected to a carbohydrate-rich diet and tetracycline treatment. Hassan OE, et al. **J Med Microbiol** 1985 Dec;20(3):291–8

Promoter mutations affecting divergent transcription in the Tn10 tetracycline resistance determinant. Daniels DW, et al. **J Mol Biol** 1985 Aug 20;184(4):599–610

A biochemical approach to periodontal regeneration: tetracycline treatment of dentin promotes fibroblast adhesion and growth. Terranova VP, et al. **J Periodont Res** 1986 Jul;21(4):330–7

A biochemical approach to periodontal regeneration: tetracycline treatment conditions dentin surfaces. Wikesjö UM, et al. **J Periodont Res** 1986 Jul;21(4):322–9

Regions associated with the stable maintenance of plasmid pSC101 and its tetracycline resistance. Makino S, et al. **MGG** 1986 Jul;204(1):115–9

Lamarck vs Darwin [letter] **Vet Rec** 1985 Dec 7;117(23):619

[Effect of tetracyclines on protein metabolism in cultured hepatocytes] Yokoyama K. **Hokkaido Igaku Zasshi** 1986 May;61(3):379–87 (Eng. Abstr.) **(Jpn)**

[Metabolic response in the rabbit heart to tetracycline in relation to age] Barnová E, et al. **Bratisl Lek Listy** 1986 Jun;85(6):633–40 (Eng. Abstr.) **(Slo)**

POISONING

[Use of bioflavonoids to prevent the harmful action of tetracycline on the liver] Skakun NP, et al. **Antibiot Med Biotekhnol** 1985 Jun;30(6):452–6 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Phototoxicity of the tetracyclines: photosensitized emission of singlet delta dioxygen. Hasan T, et al. **Proc Natl Acad Sci USA** 1986 Jul;83(13):4604–6

THERAPEUTIC USE

Treatment of falciparum malaria with quinne and tetracycline or combined mefloquine/sulfadoxine/pyrimethamine on the Thai–Kampuchean border. Meek SR, et al. **Am J Trop Med Hyg** 1986 Mar;35(2):246–50

Lyme-disease meningitis treated with tetracycline [letter] Ackley A Jr, et al. **Ann Intern Med** 1986 Oct;105(4):630–1

Systemic tetracyclines in the treatment of noninfected corneal ulcers: a case report and proposed new mechanism of action. Perry HD, et al. **Ann Ophthalmol** 1985 Dec; 17(12):742–4

Comparative trial of rifampin–doxycycline versus tetracycline–streptomycin in the therapy of human brucellosis. Ariza J, et al. **Antimicrob Agents Chemother** 1985 Oct;28(4):548–51

The treatment of bullous pemphigoid with tetracycline and niacinamide. A preliminary report. Berk MA, et al. **Arch Dermatol** 1986 Jun;122(6):670–4

Therapy of Mycobacterium marinum infections. Use of tetracyclines vs rifampin. Donta ST, et al. **Arch Intern Med** 1986 May;146(5):902–4

Tetracycline sclerotherapy for chylous fistula following neck dissection. Metson R, et al. **Arch Otolaryngol Head Neck Surg** 1986 Jun;112(6):651–3

Topical azelaic acid and the treatment of acne: a clinical and laboratory comparison with oral tetracycline. Bladon PT, et al. **Br J Dermatol** 1986 Apr;114(4):493–9

Acne: double blind clinical and laboratory trial of tetracycline, oestrogen–cyproterone acetate, and combined treatment. Greenwood R, et al. **Br Med J [Clin Res]** 1985 Nov 2;291(6504):1231–5

The effect of peritoneal lavage with tetracycline solution on postoperative infection. A prospective, randomized, clinical trial. Silverman SH, et al. **Dis Colon Rectum** 1986 Mar; 29(3):165–9

Comparative efficacy of oral erythromycin versus oral tetracycline in the treatment of acne vulgaris. A double-blind study. Gammon WR, et al. **J Am Acad Dermatol** 1986 Feb;14(2 Pt 1):183–6

Comparative efficacy of oral erythromycin versus oral tetracycline in the treatment of acne vulgaris [letter] Savin RC. **J Am Acad Dermatol** 1986 Aug;15(2 Pt 1):304

Massive splenomegaly (regressing with therapy) in amoebic liver abscess. Bhattacharya SK, et al. **J Indian Med Assoc** 1985 Jun;83(6):202–4

Comparative trial of co-trimoxazole versus tetracycline–streptomycin in treating human brucellosis [letter] Ariza J, et al. **J Infect Dis** 1985 Dec;152(6):1358–9

A clinical comparison of pivmecillinam plus pivampicillin (Miraxid) and a triple tetracycline combination (Deteclo) in respiratory infections treated in general practice. Beatson JM, et al. **J Int Med Res** 1985;13(4):197–202

Repair of an extensive periodontal defect after tetracycline administration. A case report. Moskow BS. **J Periodontol** 1986 Jan;57(1):29–34

Antibiotic lavage in emergency surgery for peritoneal sepsis. Krukowski ZH, et al. **J R Coll Surg Edinb** 1986 Feb; 31(1):1–6

Single-dose antibiotic prophylaxis of abdominal surgical wound infection: a trial of preoperative latamoxef against peroperative tetracycline lavage. Sauven P, et al. **J R Soc Med** 1986 Mar;79(3):137–41

The second case of mycetoma due to Nocardia caviae in Israel. Alteras I, et al. **Mycopathologia** 1986 Mar; 93(3):185–7

Comparative effects of antimicrobial and Biofermin T in the treatment of infantile diarrhea. Munir M, et al. **Paediatr Indones** 1985 Jul–Aug;25(7–8):125–30

The effect of tetracycline treatment on chlamydial salpingitis and subsequent fertility in the mouse. Swenson CE, et al. **Sex Transm Dis** 1986 Jan–Mar;13(1):40–4

An aborted, prospective, randomized trial of sclerotherapy for prolonged drainage after mastectomy. McCarthy PM, et al. **Surg Gynecol Obstet** 1986 May;162(5):418–20

Schistosoma haematobium: effect of non-schistosomicidal drugs (tetracycline and sulphadimidine) on schoolchildren. Nkya WM, et al. **Trans R Soc Trop Med Hyg** 1986; 80(1):25–8

[Experiences with quarantine and chemoprophylaxis in imported parrots and parakeets in the framework of national psittacosis control] Wachendörfer G, et al. **DTW** 1985 Sep 6;92(9):306–10 (Eng. Abstr.) **(Ger)**

[Multiresistant Haemophilus influenzae. Beta-lactamase producing, chloramphenicol and tetracycline resistant Haemophilus influenzae as a cause of septicemia] Vik E, et al. **Tidsskr Nor Laegeforen** 1986 May 20;106(13):1119–20 **(Nor)**

[Use of an experimental model of mixed chlamydial-gonococcal infection in ovo for evaluating the etiotropic action of chemopreparations] Nurusheva SM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Mar;(3):28–30 (Eng. Abstr.) **(Rus)**

TOXICITY

Influence of tetracycline phototoxicity on the growth of cultured human fibroblasts. Bjellerup M, et al. **J Invest Dermatol** 1985 Dec;85(6):573–4

TETRACYCLINES

ADMINISTRATION & DOSAGE

Effect of short term treatment of non-gonococcal urethritis with minocycline. Taylor-Robinson D, et al. **Genitourin Med** 1986 Feb;62(1):19–23

Oral ibuprofen and minocycline for the treatment of resistant acne vulgaris [letter] Funt LS. **J Am Acad Dermatol** 1985 Sep;13(3):524–5

Tetracyclines inhibit tissue collagenases. Effects of ingested low-dose and local delivery systems. Golub LM, et al. **J Periodontol** 1985 Nov;56(11 Suppl):93–7

ADVERSE EFFECTS

Unusual skin pigmentation from long-term methacycline and minocycline therapy [letter] Shum DT, et al. **Arch Dermatol** 1986 Jan;122(1):17–8

Cutaneous and cardiac valvular pigmentation with minocycline. Butler JM, et al. **Clin Exp Dermatol** 1985 Sep; 10(5):432–7

Tetracycline-induced fixed drug eruptions: influence of dose and structure of tetracyclines [letter] Chan HL, et al. **J Am Acad Dermatol** 1985 Aug;13(2 Pt 1):302–4

Minocycline associated cutaneous discoloration. Korbol M, et al. **J Am Podiatr Med Assoc** 1986 Feb;76(2):87–9

Oral pigmentation secondary to minocycline therapy. Beehner ME, et al. **J Oral Maxillofac Surg** 1986 Jul; 44(7):582–4

Minocycline-associated tooth discoloration in young adults. Poliak SC, et al. **JAMA** 1985 Nov 22–29;254(20):2930–2

Systemic drug photosensitivity. Ljunggren B, et al. **Photodermatol** 1986 Feb;3(1):26–35 (88 ref.)

[Cutaneous pigmentation induced by minocycline: 2 cases] Prigent F, et al. **Ann Dermatol Venereol** 1986;113(3):227–33 (Eng. Abstr.) **(Fre)**

ANALYSIS

Liquid chromatographic assay of tetracyclines in tissues of food-producing animals. Ashworth RB. **J Assoc Off Anal Chem** 1985 Sep–Oct;68(5):1013–8

Determination of tetracycline antibiotics in tissues and blood serum of cattle and swine by high-performance liquid chromatography. Moats WA. **J Chromatogr** 1986 May 16; 358(1):253–9

High-performance liquid chromatography of tetracyclines. Reeuwijk HJ, et al. **J Chromatogr** 1986 Feb 26;353:339–50

[Detection and significance of tetracycline residues in eggs] Frieser J, et al. **DTW** 1986 Jan 7;93(1):17–20 (Eng. Abstr.) **(Ger)**

BLOOD

Pharmacokinetics of minocycline hydrochloride in clinically normal and hypoproteinemic sheep. Wilson RC, et al. **Am J Vet Res** 1986 Mar;47(3):650–2

METABOLISM

Metal ion-tetracycline interactions in biological fluids. Part 5. Formation of zinc complexes with tetracycline and some of its derivatives and assessment of their biological significance. Brion M, et al. **Agents Actions** 1985 Dec; 17(2):229–42

Studies on the association of the tetracyclines with mineralized tissue. Ibsen KH. **Clin Orthop** 1985 Nov; (200):85–6

Pharmacokinetics of tetracyclines in turkeys. Conzelman GM, et al. **Proc West Pharmacol Soc** 1985;28:323–5

PHARMACODYNAMICS

Inhibition of mitochondrial protein synthesis leads to proliferation arrest in the G1-phase of the cell cycle. van den Bogert C, et al. **Cancer Lett** 1986 Jul;32(1):41–51

Inhibition of beta-lactamase synthesis in Staphylococcus aureus by minocycline. Chopra I, et al. **J Antimicrob Chemother** 1985 Jul;16(1):17–21

Effect of antimicrobial agents on root surface caries, alveolar bone loss, and microflora in rice rats. Toth A, et al. **J Dent Res** 1986 May;65(5):695–7

Effect of antibiotics on the generation of reactive oxygen species. Miyachi Y, et al. **J Invest Dermatol** 1986 Apr; 86(4):449–53

[Comparative activity of minocycline and doxycycline on mycoplasmas pathogenic for man] Bebear C, et al. **Pathol Biol (Paris)** 1985 Jun;33(5 Pt 2):577–80 (Eng. Abstr.) **(Fre)**

[Synergism of ciprofloxacin with beta-lactam antibiotics, gentamicin, minocycline and pipemidic acid] Dickgiesser N, et al. **Infection** 1986 Mar-Apr;14(2):82–5 (Eng. Abstr.) **(Ger)**

[Growth-inhibitory activity of minocycline on various tumor cell lines in vitro] Inaba M, et al. **Gan To Kagaku Ryoho** 1986 Jul;13(7):2337–41 (Eng. Abstr.) **(Jpn)**

[In vitro antimicrobial activity of various antibiotics against Haemophilus influenzae isolated from clinical specimens in 1983] Matsuo K, et al. **Jpn J Antibiot** 1985 Jun; 38(6):1685–92 (Eng. Abstr.) **(Jpn)**

RADIATION EFFECTS

Phototoxicity of the tetracyclines: photosensitized emission of singlet delta dioxygen. Hasan T, et al. **Proc Natl Acad Sci USA** 1986 Jul;83(13):4604–6

THERAPEUTIC USE

Acute bacterial sinusitis. Minocycline vs amoxicillin. Mattucci KF, et al. **Arch Otolaryngol Head Neck Surg** 1986 Jan;112(1):73–6

Antibiotic treatment of cervicofacial actinomycosis for patients allergic to penicillin: a clinical and in vitro study. Martin MV. **Br J Oral Maxillofac Surg** 1985 Dec; 23(6):428–34

Isotretinoin versus minocycline in cystic acne: a study of lipid metabolism. Pigatto PD, et al. **Dermatologica** 1986; 172(3):154–9

Minocycline in the treatment of genital chlamydial infection in women [letter] Bignell CJ, et al. **Genitourin Med** 1986 Aug;62(4):283–4

Effects of tetracyclines on experimental Legionella pneumophila infection in guinea-pigs. Yoshida S, et al. **J Antimicrob Chemother** 1985 Aug;16(2):199–204

A general practice study investigating the effect of Minocin 50 mg b.d. for 12 weeks in the treatment of acne vulgaris. Cohen PM. **J Int Med Res** 1985;13(4):214–21

Leads from the MMWR. Plasmid-mediated tetracycline-resistant Neisseria gonorrhoeae—Georgia, Massachusetts, Oregon. **JAMA** 1986 Jul 4;256(1):25

Plasmid-mediated tetracycline-resistant Neisseria gonorrhoeae—Georgia, Massachusetts, Oregon. **MMWR** 1986 May 16;35(19):304–6

Treatment of bacterial prostatitis. Comparison of cephalexin and minocycline. Paulson DF, et al. **Urology** 1986 Apr; 27(4):379–87

[Sporotrichoid cutaneous infection caused by Mycobacterium chelonei. Cure with minocycline (letter)] Godard W, et al. **Presse Med** 1986 Jan 25;15(3):120 **(Fre)**

[Decreased incidence of postgonococcal urethritis following minocycline treatment compared to penicillin/spectinomycin] Krause W, et al. **Z Hautkr** 1986 Jun 1;61(11):805–10 (Eng. Abstr.) **(Ger)**

[Minocycline treatment of genital infections caused by Chlamydia trachomatis (C. trachomatis)] Kojima H, et al. **Kansenshogaku Zasshi** 1985 Aug;59(8):824–30 (Eng. Abstr.) **(Jpn)**

[Minocycline treatment of chlamydia-infected non-gonococcal urethritis] Sumii T, et al. **Kansenshogaku Zasshi** 1985 Aug;59(8):831–5 (Eng. Abstr.) **(Jpn)**

[Dynamics of the liver function indices and vibramycin concentration during the treatment of patients with recent forms of syphilis] Rotanov SV, et al. **Vestn Dermatol Venerol** 1986;(4):67–72 (Eng. Abstr.) **(Rus)**

[New recommendations in the treatment of genital infections caused by Neisseria gonorrhoeae in Puerto Rico] Gadea CR, et al. **Bol Asoc Med PR** 1985 Aug;77(8):343–4 (Eng. Abstr.) **(Spa)**

TOXICITY

Phototoxicity of tetracyclines as related to singlet oxygen production and uptake by polymorphonuclear leukocytes. Glette J, et al. **Biochem Pharmacol** 1986 Sep 1;35(17):2883–5

Morphological and biochemical studies on minocycline-induced black thyroid in rats. Tajima K, et al. **Toxicol Appl Pharmacol** 1985 Dec;81(3 Pt 1):393–400

Fine structural aspects on the fate of rat black thyroids induced by minocycline. Kurosumi M, et al. **Virchows Arch [B]** 1986;51(3):207–13

TETRADECANOIC ACIDS see **MYRISTIC ACIDS**

TETRADECANOYLPHORBOL ACETATE see under **PHORBOLS**

TETRAETHYL LEAD see under **ORGANOMETALLIC COMPOUNDS**

TETRAETHYLAMMONIUM COMPOUNDS

DIAGNOSTIC USE

Two Ca-dependent K-channels classified by the application of tetraethylammonium distribute to smooth muscle membranes of the rabbit portal vein. Inoue R, et al. **Pflugers Arch** 1985 Oct;405(3):173–9

METABOLISM

Active tetraethylammonium uptake across the basolateral membrane of rabbit proximal tubule. Tarloff JB, et al. **Am J Physiol** 1986 Jul;251(1 Pt 2):F141–9

PHARMACODYNAMICS

Tetraethylammonium-induced phasic arterial constriction: temporal and spatial characteristics. Lambert CR, et al. **Am J Physiol** 1986 Aug;251(2 Pt 2):H436–42

Effects of diltiazem on the TEA-induced plateau of nodose ganglion action potentials. Ito H, et al. **Arch Int Pharmacodyn Ther** 1985 Sep;277(1):28–38

In vitro reversal of cardiac deterioration in septic shock with tetraethylammonium chloride. DeMeules JE. **Arch Surg** 1986 Jan;121(1):65–70

Comparison of the effects of internal TEA+ and Cs+ on potassium current in squid giant axons. Clay JR. **Biophys J** 1985 Dec;48(6):885–92

The action of intravenous anaesthetic and central depressant drugs on the contractures elicited by tetraethylammonium in the chick biventer cervicis muscle. Elliott RC. **Gen Pharmacol** 1985;16(6):603–7

Serotonin decreases the duration of action potentials recorded from tetraethylammonium-treated bullfrog dorsal root ganglion cells. Holz GG 4th, et al. **J Neurosci** 1986 Mar;6(3):620–6

THERAPEUTIC USE

Potassium ion channel blockade restores conduction in heat-injured nerve and spinal nerve roots. Eliasson SG, et al. **Exp Neurol** 1986 Jul;93(1):128–37

TETRAETHYLTHIURAM DISULFIDE see **DISULFIRAM**

TETRAGASTRIN see under **GASTRINS**

TETRAHYDRO-1,4-OXAZINES see **MORPHOLINES**

TETRAHYDROCANNABINOL

From "grass" roots to clinical utility.Lemberger L. **Clin Pharmacol Ther** 1986 Jan;39(1):1–4

Behavioral dependence in rhesus monkeys following chronic THC administration. Beardsley PM, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;55:111–7

ADMINISTRATION & DOSAGE

Effect of cannabinoids on spermatogenesis in vivo: a cytological study. Zimmerman AM, et al. **Cytobios** 1986; 45(180):7–15

ADVERSE EFFECTS

Carry-over effects of marijuana intoxication on aircraft pilot performance: a preliminary report. Yesavage JA, et al. **Am J Psychiatry** 1985 Nov;142(11):1325–9

Involvement of brain histamine in delta 9-tetrahydrocannabinol tolerance and withdrawal. Verberne AJ, et al. **Pharmacol Biochem Behav** 1985 Aug; 23(2):153–9

ANALOGS & DERIVATIVES

A cross-over comparison of nabilone and prochlorperazine for emesis induced by cancer chemotherapy. Niiranen A, et al. **Am J Clin Oncol** 1985 Aug;8(4):336–40

Nabilone: an alternative antiemetic for cancer chemotherapy. Dalzell AM, et al. **Arch Dis Child** 1986 May;61(5):502–5

Prostaglandins and cannabis—XVI. Antagonism of delta 1-tetrahydrocannabinol action by its metabolites. Burstein S, et al. **Biochem Pharmacol** 1986 Aug 1;35(15):2553–8

N-Ethyl-17(R,S)-methyl-(6aR,10aR)-delta 8-tetrahydrocannabinol-18-oic amide. Brain pharmacokinetics in mice, triglyceride/phospholipid partitioning and generalization to the discriminative stimulus properties of delta 9-THC in rats. Franke I, et al. **Biochem Pharmacol** 1985 Nov 15;34(22):3983–6

Effect of repeated administration of 11-hydroxy-delta 8-tetrahydrocannabinol, an active metabolite of delta 8-tetrahydrocannabinol, on the hepatic microsomal drug-metabolizing enzyme system of mice. Watanabe K, et al. **Biochem Pharmacol** 1986 Jun 1;35(11):1861–5

Nabilone and prochlorperazine: a useful combination for emesis induced by cytotoxic drugs. Cunningham D, et al. **Br Med J [Clin Res]** 1985 Sep 28;291(6499):864–5

Prospective randomized double-blind trial of nabilone versus domperidone in the treatment of cytotoxic-induced emesis. Pomeroy M, et al. **Cancer Chemother Pharmacol** 1986; 17(3):285–8

Antibody-mediated extraction of the main tetrahydrocannabinol metabolite, 11-nor-delta 9-tetrahydrocannabinol-9-carboxylic acid, from human urine and its identification by gas chromatography-mass spectrometry in the sub-nanogram range. Lemm U, et al. **J Chromatogr** 1985 Aug 9;342(2):393-8

Confirmation of Syva enzyme multiple immunoassay technique (EMIT) d.a.u. and Roche Abuscreen radioimmunoassay (RIA) (125I) urine cannabinoid immunoassays by gas chromatographic/mass spectrometric (GC/MS) and bonded-phase adsorption/thin-layer chromatographic (BPA-TLC) methods. Kogan MJ, et al. **J Forensic Sci** 1986 Apr;31(2):494-500

The effect of delta-9-tetrahydrocannabinol and 11-hydroxy-delta-9-tetrahydrocannabinol on T-lymphocyte and B-lymphocyte mitogen responses. Klein TW, et al. **J Immunopharmacol** 1985;7(4):451-66

Laboratory detection of marijuana use [letter] Fody EP. **JAMA** 1985 Dec 27;254(24):3425

Crossover comparison of the antiemetic efficacy of nabilone and alizapride in patients with nonseminomatous testicular cancer receiving cisplatin therapy. Niederle N, et al. **Klin Wochenschr** 1986 Apr 15;64(8):362-5

Nabilone and metoclopramide in the treatment of nausea and vomiting due to cisplatinum: a double blind study. Crawford SM, et al. **Med Oncol Tumor Pharmacother** 1986; 3(1):39-42

Attenuation of cyclophosphamide-induced taste aversions in mice by prochlorperazine, delta 9-tetrahydrocannabinol, nabilone and levonantradol. Landauer MR, et al. **Pharmacol Biochem Behav** 1985 Aug;23(2):259-66

ANALYSIS

Variations of tetrahydrocannabinol content in cannabis plants to distinguish the fibre-type from drug-type plants. Avico U, et al. **Bull Narc** 1985 Oct-Dec;37(4):61-5

GC/MS and EMIT analyses for delta 9-tetrahydrocannabinol metabolites in plasma and urine of human subjects. McBurney LJ, et al. **J Anal Toxicol** 1986 Mar-Apr;10(2):56-64

ANTAGONISTS & INHIBITORS

Prostaglandins and cannabis--XVI. Antagonism of delta 1-tetrahydrocannabinol action by its metabolites. Burstein S, et al. **Biochem Pharmacol** 1986 Aug 1;35(15):2553-8

BLOOD

Plasma delta-9-tetrahydrocannabinol in pregnant sheep and fetus after inhalation of smoke from a marijuana cigarette. Abrams RM, et al. **Alcohol Drug Res** 1985-86;6(5):361-9

Tetrahydrocannabinol stability in whole blood: plastic versus glass containers. Christophersen AS. **J Anal Toxicol** 1986 Jul-Aug;10(4):129-31

METABOLISM

Pharmacokinetics of delta 9-tetrahydrocannabinol in rabbits following single or multiple intravenous doses. Leuschner JT, et al. **Drug Metab Dispos** 1986 Mar-Apr;14(2):230-8

Antibody-mediated extraction of the main tetrahydrocannabinol metabolite, 11-nor-delta 9-tetrahydrocannabinol-9-carboxylic acid, from human urine and its identification by gas chromatography-mass spectrometry in the sub-nanogram range. Lemm U, et al. **J Chromatogr** 1985 Aug 9;342(2):393-8

Pharmacokinetics and metabolism of delta 1-tetrahydrocannabinol and other cannabinoids with emphasis on man. Agurell S, et al. **Pharmacol Rev** 1986 Mar;38(1):21-43 (106 ref.)

PHARMACODYNAMICS

Marihuana and driving. Moskowitz H. **Accid Anal Prev** 1985 Aug;17(4):323-45

EEG interaction between delta 8-tetrahydrocannabinol and some sedative-anxiolytic drugs. Is the anxiogenic effect of Cannabis related to an action on the GABAergic system? Sagratella S, et al. **Adv Biochem Psychopharmacol** 1986; 41:203-9

The effect of delta-9-tetrahydrocannabinol on rat cerebrospinal fluid. Mancall AC, et al. **Arch Neurol** 1985 Nov;42(11):1069-71

N-Ethyl-17(R,S)-methyl-(6aR,10aR)-delta 8-tetrahydrocannabinol-18-oic amide. Brain pharmacokinetics in mice, triglyceride/phospholipid partitioning and generalization to the discriminative stimulus properties of delta 9-THC in rats. Franke I, et al. **Biochem Pharmacol** 1985 Nov 15;34(22):3983-6

Effects of delta 9-tetrahydrocannabinol on glucagon receptor coupling to adenylate cyclase in rat liver plasma membranes. Hillard CJ, et al. **Biochem Pharmacol** 1986 Aug 15;35(16):2797-803

Pancreatic islet arachidonic acid turnover and metabolism and insulin release in response to delta-9-tetrahydrocannabinol. Laychock SG, et al. **Biochem Pharmacol** 1986 Jun 15;35(12):2003-8

Blockade of first ovulation in pubertal rats by delta-9-tetrahydrocannabinol: requirement for advanced treatment due to early initiation of the critical period. Field E, et al. **Biol Reprod** 1986 Apr;34(3):512-7

Regional brain homovanillic acid following delta 9-tetrahydrocannabinol and cocaine. Bowers MB Jr, et al. **Brain Res** 1986 Feb 26;366(1-2):405-7

A study of the mediator spectrum of delta-9 tetrahydrocanabinol effects on cerebral bioelectric activity. Machula AI, et al. **Drug Alcohol Depend** 1985 Aug; 15(4):383-8

Cannabidiol attenuates delta 9-tetrahydrocannabinol-like discriminative stimulus effects of cannabinol. Hiltunen AJ, et al. **Eur J Pharmacol** 1986 Jun 17;125(2):301-4

Alteration of electrical correlates of sensory processing by tetrahydrocannabinol. Pontzer NJ, et al. **Exp Neurol** 1986 Jan;91(1):127-35

Effects of tetrahydrocannabinol on rat preovulatory follicles: a quantitative cytochemical analysis. Zoller LC. **Histochem J** 1985 Dec;17(12):1347-58

Effects of tetrahydrocannabinol on melatonin secretion in man. Lissoni P, et al. **Horm Metab Res** 1986 Jan;18(1):77-8

Delta-9-tetrahydrocannabinol induced changes in rat intestinal brush border enzymes. Banerji A, et al. **Indian J Exp Biol** 1985 Aug;23(8):433-6

The effect of delta 9-tetrahydrocannabinol in utero exposure on rat offspring fertility and ventral prostate gland morphology. Ahluwalia BS, et al. **J Androl** 1985 Nov-Dec; 6(6):386-91

Delta-9-tetrahydrocannabinol enhances release of herpes simplex virus type 2. Cabral GA, et al. **J Gen Virol** 1986 Sep;67 (Pt 9):2017-22

delta-9-Tetrahydrocannabinol decreases host resistance to herpes simplex virus type 2 vaginal infection in the B6C3F1 mouse. Mishkin EM, et al. **J Gen Virol** 1985 Dec;66 (Pt 12):2539-49

The effect of delta-9-tetrahydrocannabinol and 11-hydroxy-delta-9-tetrahydrocannabinol on T-lymphocyte and B-lymphocyte mitogen responses. Klein TW, et al. **J Immunopharmacol** 1985;7(4):451-66

Tetrahydrocannabinol-induced suppression of macrophage spreading and phagocytic activity in vitro. Lopez-Cepero M, et al. **J Leukocyte Biol** 1986 Jun;39(6):679-86

The effects of marijuana on human physical aggression. Myerscough R, et al. **J Pers Soc Psychol** 1985 Dec; 49(6):1541-6

Tolerance to the luteinizing hormone and prolactin suppressive effects of delta-9-tetrahydrocannabinol develops during chronic prepubertal treatment of female rats. Field E, et al. **J Pharmacol Exp Ther** 1986 Sep; 238(3):1034-8

Operant acquisition of marihuana by women. Mello NK, et al. **J Pharmacol Exp Ther** 1985 Oct;235(1):162-71

Delta-9-tetrahydrocannabinol stimulates ABP secretion from rat Sertoli cells in vitro. Holmes SD, et al. **J Steroid Biochem** 1986 Mar;24(3):687-93

Effects of delta 9-tetrahydrocannabinol on testosterone production in vitro: influence of Ca++, Mg++ or glucose. Dalterio S, et al. **Life Sci** 1985 Oct 14; 37(15):1425-33

The role of benzodiazepine receptors in the discriminative stimulus properties of delta-9-tetrahydrocannabinol. Mokler DJ, et al. **Life Sci** 1986 Apr 28;38(17):1581-9

delta 9-Tetrahydrocannabinol elicited ipsilateral circling behavior in rats with unilateral nigral lesion. Sakurai Y, et al. **Life Sci** 1985 Dec 9;37(23):2181-5

Delta-9-Tetrahydrocannabinol: effect on mitochondrial swelling of different tissues of rat. Banerji A, et al. **Methods Find Exp Clin Pharmacol** 1985 Jul;7(7):351-6

Marijuana effects and behavioral contingencies. Foltin RW, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;67:355-61

The central and peripheral effects of delta-9-tetrahydrocannabinol on gastrointestinal transit in mice. Shook JE, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;67:222-7

Effects of delta-9-tetrahydrocannabinol on reproductive neuroendocrine function in the female: animal studies. Tyrey L, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984; 55:42-51

Induction of luteinizing hormone release by electrochemical stimulation of the medial preoptic area in delta 9-tetrahydrocannabinol-blocked proestrous rats. Murphy LL, et al. **Neuroendocrinology** 1986;43(4):471-5

Interactions between delta 9-tetrahydrocannabinol and cannabidiol as evaluated by drug discrimination procedures in rats and pigeons. Hiltunen AJ, et al. **Neuropharmacology** 1986 Feb;25(2):133-42

Prolonged CNS hyperexcitability in mice after a single exposure to delta-9-tetrahydrocannabinol. Karler R, et al. **Neuropharmacology** 1986 Apr;25(4):441-6

Attenuation of cyclophosphamide-induced taste aversions in mice by prochlorperazine, delta 9-tetrahydrocannabinol, nabilone and levonantradol. Landauer MR, et al. **Pharmacol Biochem Behav** 1985 Aug;23(2):259-66

Delta-9-tetrahydrocannabinol potentiates the disruptive effects of phencyclidine on repeated acquisition in monkeys. Thompson DM, et al. **Pharmacol Biochem Behav** 1985 Dec;23(6):1051-7

Effect of delta 9-tetrahydrocannabinol on herpes simplex virus type 2 vaginal infection in the guinea pig. Cabral GA, et al. **Proc Soc Exp Biol Med** 1986 Jun;182(2):181-6

In vivo inhibition of enterocyte metabolism by delta 9-tetrahydrocannabinol. Desoize B, et al. **Proc Soc Exp Biol Med** 1986 Apr;181(4):512-6

Suppressive effect of delta 9-tetrahydrocannabinol in vitro on phagocytosis by murine macrophages. Friedman M, et al. **Proc Soc Exp Biol Med** 1986 Jun;182(2):225-8

Effects of acute and subchronic delta 9-tetrahydrocannabinol administration on the plasma catecholamine, beta-endorphin, and corticosterone levels and splenic natural killer cell activity in rats. Patel V, et al. **Proc Soc Exp Biol Med** 1985 Nov;180(2):400-4

Morphine and delta 9-tetrahydrocannabinol: two-way cross tolerance for antinociceptive and heart-rate responses in the rat. Hine B. **Psychopharmacology (Berlin)** 1985; 87(1):34-8

THERAPEUTIC USE

THC or Compazine for the cancer chemotherapy patient--the UCLA study. Part II: Patient drug preference. Ungerleider JT, et al. **Am J Clin Oncol** 1985 Apr;8(2):142-7

Therapeutic issues of marijuana and THC (tetrahydrocannabinol). Ungerleider JT, et al. **Int J Addict** 1985 May;20(5):691-9

Synthetic marijuana for nausea and vomiting due to cancer chemotherapy. **Med Lett Drugs Ther** 1985 Nov 22; 27(701):97-8

The antiemetic effect of Cannabis sativa during cytotoxic therapy [letter] Ames FR, et al. **S Afr Med J** 1985 Nov 23;68(11):780-1

TOXICITY

Comparison between delta-9-tetrahydrocannabinol and cannabis extract on resorption rate in mice. Abel EL, et al. **Alcohol Drug Res** 1985-86;6(4):277-80

Cannabis: toxicological properties and epidemiological aspects. Nahas GG. **Med J Aust** 1986 Jul 21;145(2):82-7 (59 ref.)

Delta 9-tetrahydrocannabinol decreases alpha/beta interferon response to herpes simplex virus type 2 in the B6C3F1 mouse. Cabral GA, et al. **Proc Soc Exp Biol Med** 1986 Feb;181(2):305-11

Comments on "Alcohol enhancement of marihuana-induced fetotoxicity" [letter] Fantel AG. **Teratology** 1985 Oct; 32(2):327-30

The effect of intragastric administration of delta 9-tetrahydrocannabinol on the growth and development of fetal mice of the A/J strain. Bloch E, et al. **Toxicol Appl Pharmacol** 1986 Feb;82(2):378-82

URINE

Profiles of delta 9-tetrahydrocannabinol metabolites in urine of marijuana users: preliminary observations by high performance liquid chromatography-radioimmunoassay. Alburges ME, et al. **J Forensic Sci** 1986 Apr;31(2):695-706

[Prevalence of the use of cannabis in a young population (letter)] Plans P, et al. **Med Clin (Barc)** 1986 Apr 26; 86(16):697-8 **(Spa)**

TETRAHYDROCORTISOL see under **HYDROCORTISONE**

TETRAHYDROCORTISONE see under **CORTISONE**

TETRAHYDROFOLATE DEHYDROGENASE

Dihydrofolate reductase. 1H resonance assignments and coenzyme-induced conformational changes. Hammond SJ, et al. **J Mol Biol** 1986 Mar 5;188(1):81-97

Bifunctional thymidylate synthase-dihydrofolate reductase from Leishmania tropica: sequence homology with the corresponding monofunctional proteins. Grumont R, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(15):5387-91

Functional role of aspartic acid-27 in dihydrofolate reductase revealed by mutagenesis. Howell EE, et al. **Science** 1986 Mar 7;231(4742):1123-8

ANALYSIS

pH-Stat titration method for dihydrofolate reductase activity measurements: application to determination of substrate Michaelis constant and antifolate inhibition constant. Gilli R, et al. **Anal Biochem** 1986 Jan;152(1):1-5

Characterisation of a new transposon-mediated trimethoprim-resistant dihydrofolate reductase. Young HK, et al. **Biochem Pharmacol** 1985 Dec 15;34(24):4334-7

Identification of the 1H resonances of valine and leucine residues in dihydrofolate reductase by using a combination of selective deuteration and two-dimensional correlation spectroscopy. Searle MS, et al. **FEBS Lett** 1986 Jan 1; 194(1):165-70

A new form of dihydrofolate reductase in cancer cells. Iqbal MP, et al. **JPMA** 1985 Aug;35(8):237-42

Limited proteolysis of the bifunctional thymidylate synthase-dihydrofolate reductase from Leishmania tropica. Garvey EP, et al. **Proc Natl Acad Sci USA** 1985 Nov; 82(21):7188-92

ANTAGONISTS & INHIBITORS

Dihydrofolate reductase inhibition assay for methotrexate. Edwards M, et al. **Ann Clin Biochem** 1985 Nov;22 (Pt 6):612-3

Potentiating effect of pyrimethamine and sulfadoxine against dihydrofolate reductase from pyrimethamine-sensitive and pyrimethamine-resistant Plasmodium chabaudi. Sirawaraporn W, et al. **Antimicrob Agents Chemother** 1986 May;29(5):899-905

Transport of a fluorescent antifolate by

methotrexate-sensitive and methotrexate-resistant human leukemic lymphoblasts. Rosowsky A, et al. **Biochem Pharmacol** 1986 Jan 15;35(2):356–60

Role of isomerization of initial complexes in the binding of inhibitors to dihydrofolate reductase. Blakley RL, et al. **Biochemistry** 1985 Aug 27;24(18):4772–7

Mechanism of inhibition of dihydrofolate reductases from bacterial and vertebrate sources by various classes of folate analogues. Stone SR, et al. **Biochim Biophys Acta** 1986 Feb 14;869(3):275–85

Pharmacokinetics of trimetrexate (NSC 352122) in monkeys. Balis FM, et al. **Cancer Res** 1986 Jan;46(1):169–74

Comparison of triazines as inhibitors of L1210 dihydrofolate reductase and of L1210 cells sensitive and resistant to methotrexate. Selassie CD, et al. **Cancer Res** 1986 Feb; 46(2):744–56

Human pharmacokinetics and skin blister levels of sulfonamides and dihydrofolate reductase inhibitors. Bergan T, et al. **Chemotherapy** 1986;32(4):319–28

Quantitative correlation between molar refractivity and the inhibition of dihydrofolate reductase by 2,4-diamino-5-benzylpyrimidines. Kumar NA, et al. **Indian J Biochem Biophys** 1986 Feb;23(1):58–60

Heterogeneity in the specific activity and methotrexate sensitivity of dihydrofolate reductase from blast cells of acute myelogenous leukemia patients. Dedhar S, et al. **J Clin Oncol** 1985 Nov;3(11):1545–52

Methotrexate analogues. 26. Inhibition of dihydrofolate reductase and folylpolyglutamate synthetase activity and in vitro tumor cell growth by methotrexate and aminopterin analogues containing a basic amino acid side chain. Rosowsky A, et al. **J Med Chem** 1986 May; 29(5):655–60

Inhibition of chicken liver dihydrofolate reductase by 5-(substituted benzyl)-2,4-diaminopyrimidines. A quantitative structure-activity relationship and graphics analysis. Selassie CD, et al. **J Med Chem** 1986 May; 29(5):621–6

[Chronobiologic aspects of the effect of methotrexate on dihydrofolate reductase] Malmary-Nebot MF, et al. **Ann Pharm Fr** 1985;43(4):337–43 (Eng. Abstr.) **(Fre)**

BIOSYNTHESIS

Selective overproduction of human dihydrofolate reductase in a methotrexate-resistant human-mouse somatic cell hybrid. Sastry KJ, et al. **Biochem Biophys Res Commun** 1985 Oct 30;132(2):795–803

A new mechanism of plasmid trimethoprim resistance. Characterization of an inducible dihydrofolate reductase. Young HK, et al. **J Biol Chem** 1986 Feb 25;261(6):2503–5

Regulation of dihydrofolate reductase in human breast cancer cells and in mutant hamster cells transfected with a human dihydrofolate reductase minigene. Cowan KH, et al. **Mol Pharmacol** 1986 Jul;30(1):69–76

Synthesis of dihydrofolate reductase and metabolism of related RNA in a methotrexate resistant human cell line infected with herpes simplex virus type 2. Bastow KF, et al. **Virology** 1986 Mar;149(2):199–207

DEFICIENCY

Lack of dihydrofolate reductase in human tumor and leukemia cells in vivo. Kamen BA, et al. **Cancer Drug Deliv** 1985 Spring;2(2):133–8

Isolation of a dihydrofolate reductase-deficient mutant of Escherichia coli. Singer S, et al. **J Bacteriol** 1985 Oct; 164(1):470–2

Hereditary dihydrofolate reductase deficiency with megaloblastic anemia. **Nutr Rev** 1985 Oct;43(10):309–11

GENETICS

Replication intermediates formed during initiation of DNA synthesis in methotrexate-resistant CHOC 400 cells are enriched for sequences derived from a specific, amplified restriction fragment. Burhans WC, et al. **Biochemistry** 1986 Jan 28;25(2):441–9

Murine erythroleukemia cell variants: isolation of cells that have amplified the dihydrofolate reductase gene and retained the ability to be induced to differentiate. Corin RE, et al. **Biochemistry** 1986 Jul 1;25(13):3768–73

Methotrexate resistance and gene amplification. Mechanisms and implications. Schimke RT. **Cancer** 1986 May 15; 57(10):1912–7 (52 ref.)

The first twelve amino acids (less than half of the pre-sequence) of an imported mitochondrial protein can direct mouse cytosolic dihydrofolate reductase into the yeast mitochondrial matrix. Hurt EC, et al. **EMBO J** 1985 Aug;4(8):2061–8

Use of bacterial DHFR-II fusion proteins to elicit specific antibodies. Vermersch PS, et al. **Gene** 1986;41(2-3):289–97

Plasmid trimethoprim resistance in Vibrio cholerae: migration of the type I dihydrofolate reductase gene out of the Enterobacteriaceae. Young HK, et al. **J Antimicrob Chemother** 1986 Jun;17(6):697–703

Acute effect of 5-fluorouracil on cytoplasmic and nuclear dihydrofolate reductase messenger RNA metabolism. Armstrong RD, et al. **J Biol Chem** 1986 Jun 5; 261(16):7366–71

Cell cycle regulation of transfected murine dihydrofolate reductase genes. Gasser CS, et al. **J Biol Chem** 1986 May 25;261(15):6938–46

A re-examination of the 5' termini of mouse dihydrofolate reductase RNA. Sazer S, et al. **J Biol Chem** 1986 Apr 5; 261(10):4685–90

Chromatin structure of the human dihydrofolate reductase gene promoter. Multiple protein-binding sites. Shimada T, et al. **J Biol Chem** 1986 Jan 25;261(3):1445–52

Site-specific mutagenesis of dihydrofolate reductase from Escherichia coli. Chen JT, et al. **J Cell Biochem** 1985; 29(2):73–82

Impaired drug uptake in methotrexate resistant Crithidia fasciculata without changes in dihydrofolate reductase activity or gene amplification. Dewes H, et al. **Mol Biochem Parasitol** 1986 May;19(2):149–61

Analysis of the mouse dhfr promoter region: existence of a divergently transcribed gene. Crouse GF, et al. **Mol Cell Biol** 1985 Aug;5(8):1847–58

5-Fluorouracil augmentation of dihydrofolate reductase gene transcripts containing intervening sequences in methotrexate-resistant KB cells. Will CL, et al. **Mol Pharmacol** 1986 Jun;29(6):643–8

Transcription factor Sp1 recognizes a DNA sequence in the mouse dihydrofolate reductase promoter. Dynan WS, et al. **Nature** 1986 Jan 16-22;319(6050):246–8

Nucleotide sequence analysis of the trimethoprim resistant dihydrofolate reductase encoded by R plasmid R751. Flensburg J, et al. **Nucleic Acids Res** 1986 Jul 25;14(14):5933

Structural features of the murine dihydrofolate reductase transcription termination region: identification of a conserved DNA sequence element. Frayne EG, et al. **Nucleic Acids Res** 1986 May 27;14(10):4113–25

Primary structure of the gene encoding the bifunctional dihydrofolate reductase-thymidylate synthase of Leishmania major. Beverley SM, et al. **Proc Natl Acad Sci USA** 1986 Apr;83(8):2584–8

Survival of UV-irradiated mammalian cells correlates with efficient DNA repair in an essential gene. Bohr VA, et al. **Proc Natl Acad Sci USA** 1986 Jun;83(11):3830–3

Characterization of mutations induced by 2-(N-acetoxy-N-acetyl)aminofluorene in the dihydrofolate reductase gene of cultured hamster cells. Carothers AM, et al. **Proc Natl Acad Sci USA** 1986 Sep; 83(17):6519–23

Transient hypoxia enhances the frequency of dihydrofolate reductase gene amplification in Chinese hamster ovary cells. Rice GC, et al. **Proc Natl Acad Sci USA** 1986 Aug; 83(16):5978–82

[In vivo selection of mouse bone marrow colony-forming cells transformed with a plasmid containing the bacterial gene for dihydrofolate reductase] Pereverzev AE, et al. **Dokl Akad Nauk SSSR** 1986 May-Jun;288(1):233–6 **(Rus)**

[Insertion of the bacterial gene for dihydrofolate reductase into colony-forming cells of mouse bone marrow] Titomirov AV, et al. **Tsitologiia** 1985 Oct;27(10):1183–8 (Eng. Abstr.) **(Rus)**

[Transformation of mice by a prokaryotic gene for dihydrofolate reductase] Titomirov AV, et al. **Tsitologiia** 1985 Dec;27(12):1374–9 (Eng. Abstr.) **(Rus)**

METABOLISM

L1210 dihydrofolate reductase: activation and enhancement of methotrexate sensitivity. Duffy TH, et al. **Adv Enzyme Regul** 1985;24:13–25

Polymorphism of dihydrofolate reductase from a methotrexate-resistant subline of L1210 cells. Duffy TH, et al. **Adv Enzyme Regul** 1985;23:3–12

Purification and characterization of dihydrofolate reductase from Mycobacterium phlei. Al-Rubeai M, et al. **Biochem J** 1986 Apr 1;235(1):301–3

Further studies on substituted quinazolines and triazines as inhibitors of a methotrexate-insensitive murine dihydrofolate reductase. Dedhar S, et al. **Biochem Pharmacol** 1986 Apr 1;35(7):1143–7

A re-evaluation of the competitive protein binding assay for methotrexate binding to dihydrofolate reductase. Drake JC, et al. **Biochem Pharmacol** 1986 Apr 1;35(7):1212–4

Analogues of folate antagonists as affinity and fluorescent probes of dihydrofolate reductase structure and function. Freisheim JH, et al. **Biochem Soc Trans** 1986 Apr; 14(2):371–3

Trimethoprim binding to Lactobacillus casei dihydrofolate reductase: a 13C NMR study using selectively 13C-enriched trimethoprim. Cheung HT, et al. **Biochemistry** 1986 Apr 22;25(8):1925–31

Theoretical studies on the activation of the pterin cofactor in the catalytic mechanism of dihydrofolate reductase. Gready JE. **Biochemistry** 1985 Aug 27;24(18):4761–6

Insulin effects on methotrexate polyglutamate synthesis and enzyme binding in cultured human breast cancer cells. Schilsky RL, et al. **Cancer Chemother Pharmacol** 1985; 15(3):272–7

Antifolate polyglutamylation and competitive drug displacement at dihydrofolate reductase as important elements in leucovorin rescue in L1210 cells. Matherly LH, et al. **Cancer Res** 1986 Feb;46(2):588–93

The presequences of two imported mitochondrial proteins contain information for intracellular and intramitochondrial sorting. van Loon AP, et al. **Cell** 1986 Mar 14;44(5):801–12

Crystallographic investigation of the cooperative interaction between trimethoprim, reduced cofactor and dihydrofolate reductase. Champness JN, et al. **FEBS Lett** 1986 Apr 7; 199(1):61–7

Fluorescent methotrexate labeling and flow cytometric analysis of cells containing low levels of dihydrofolate reductase. Gaudray P, et al. **J Biol Chem** 1986 May 15; 261(14):6285–92

Conformational energy calculations and electrostatic potentials of dihydrofolate reductase ligands: relevance to mode of binding and species specificity. Andrews PR, et al. **J Med Chem** 1986 May;29(5):698–708

Radioenzymatic assay for dihydrofolate reductase using [3H]dihydrofolate. Iqbal MP, et al. **Methods Enzymol** 1986; 122:346–9

Dihydrofolate reductase: a coupled radiometric assay. Reyes P, et al. **Methods Enzymol** 1986;122:360–7

Altered dihydrofolate reductase in pyrimethamine-resistant Plasmodium falciparum. Walter RD. **Mol Biochem Parasitol** 1986 Apr;19(1):61–6

TETRAHYDROFOLATES

Inactivation of B12 and folate coenzymes by butyl nitrite as observed by NMR: implications on one-carbon transfer mechanism. Abu Khaled M, et al. **Biochem Biophys Res Commun** 1986 Feb 26;135(1):201–7

ANALYSIS

A radioenzymatic method for the determination of tissue 10-formyltetrahydrofolate. Kesavan V, et al. **J Biochem Biophys Methods** 1986 Jun;12(5–6):311–7

Enzymatic assay of 5-methyl-L-tetrahydrofolate. Kattchee PA, et al. **Methods Enzymol** 1986;122:381–5

CHEMICAL SYNTHESIS

Preparation of (6R)-tetrahydrofolic acid and (6R)-5-formyltetrahydrofolic acid of high stereochemical purity. Sato JK, et al. **Anal Biochem** 1986 May 1; 154(2):516–24

METABOLISM

Ontogenesis of intestinal transport of 5-methyltetrahydrofolate in the rat. Said HM, et al. **Am J Physiol** 1985 Nov;249(5 Pt 1):G567–71

Turnover of the methyl moiety of 5-methyltetrahydropteroylglutamic acid in the cobalamin-inactivated rat. Lumb M, et al. **Blood** 1985 Nov; 66(5):1171–5

Transport of folate compounds in L1210 cells: kinetic evidence that folate influx proceeds via the high-affinity transport system for 5-methyltetrahydrofolate and methotrexate. Henderson GB, et al. **Cancer Res** 1986 Apr; 46(4 Pt 1):1639–43

Studies of the role of a particulate folate-binding protein in the uptake of 5-methyltetrahydrofolate by cultured human KB cells. Antony AC, et al. **J Biol Chem** 1985 Dec 5;260(28):14911–7

Investigation into the substrate capacity of the acetaldehyde-tetrahydrofolate condensation product. LaBaume LB, et al. **Prog Clin Biol Res** 1985;183:189–200

PHARMACODYNAMICS

The threshold growth response of Lactobacillus casei to 5-methyl-tetrahydrofolic acid: implications for folate assays. Wright AJ, et al. **Br J Nutr** 1985 May;53(3):569–73

Rescue from high-dose methotrexate with 5-methyltetrahydrofolate. Reggev A, et al. **Cancer Treat Rep** 1986 Feb;70(2):251–3

Enhancement of fluoropyrimidine cytotoxicity by 5-methyltetrahydrofolate in a human leukemia cell line, CCRF-CEM. Mini E, et al. **Chemioterapia** 1985 Dec; 4(6):454–9

The effect of tetrahydrofolate on tetrahydrobiopterin metabolism. Hamon CG, et al. **J Ment Defic Res** 1986 Jun; 30 (Pt 2):179–83

TETRAHYDROLINOLEIC ACIDS see **STEARIC ACIDS**

TETRAHYDRONAPHTHALENES see under **NAPHTHALENES**

TETRAHYDROPAPAVEROLINE see under **PAPAVERINE**

TETRAHYDROPTEROYLGLUTAMATE METHYLTRANSFERASE see under **METHYLTRANSFERASES**

TETRAHYDROURIDINE see under **URIDINE**

TETRAHYMENA

ANALYSIS

Analysis of nuclei from exponentially growing and conjugated Tetrahymena thermophila using the flow microfluorimeter. Brunk CF, et al. **Exp Cell Res** 1986 Feb; 162(2):390–400

An estimation of the soluble tubulin content in Tetrahymena cells of normal and of size-altered phenotype. Seyfert HM, et al. **Exp Cell Res** 1986 Jan;162(1):86–96

Protein secretion in Tetrahymena thermophila. Characterization of the major proteinaceous secretory proteins. Maihle NJ, et al. **J Biol Chem** 1986 Jun 5; 261(16):7566–70

Purification and partial characterization of the H immobilization antigens of Tetrahymena thermophila. Doerder FP, et al. **J Protozool** 1986 May;33(2):204–8
The 5S and 5.8S ribosomal RNA sequences of Tetrahymena thermophila and T. pyriformis. Van Bell CT. **J Protozool** 1985 Nov;32(4):640–4
Comparative structural analysis of calmodulins from Trypanosoma brucei, T. congolense, T. vivax, Tetrahymena thermophila and bovine brain. Ruben L, et al. **Mol Biochem Parasitol** 1985 Dec;17(3):331–41

ENZYMOLOGY

Activation of the dynein adenosinetriphosphatase by microtubules. Omoto CK, et al. **Biochemistry** 1986 Jan 28; 25(2):419–27
Identification of a specific telomere terminal transferase activity in Tetrahymena extracts. Greider CW, et al. **Cell** 1985 Dec;43(2 Pt 1):405–13
Rebinding of Tetrahymena 13 S and 21 S dynein ATPases to extracted doublet microtubules. The inner row and outer row dynein arms. Warner FD, et al. **J Cell Sci** 1985 Aug; 77:263–87
Kinetics of the DFPase activity in Tetrahymena thermophila. Landis WG, et al. **J Protozool** 1986 May;33(2):216–8
An organofluorophosphate-hydrolyzing activity in Tetrahymena thermophila. Landis WG, et al. **J Protozool** 1985 Aug;32(3):517–9

GENETICS

A modified two primer approach to oligonucleotide-directed in vitro mutagenesis. Sims PF, et al. **Biochimie** 1985 Jul–Aug;67(7–8):841–7
Role of conserved sequence elements 9L and 2 in self-splicing of the Tetrahymena ribosomal RNA precursor. Burke JM, et al. **Cell** 1986 Apr 25;45(2):167–76
The internally located telomeric sequences in the germ-line chromosomes of Tetrahymena are at the ends of transposon-like elements. Cherry JM, et al. **Cell** 1985 Dec; 43(3 Pt 2):747–58
Developmental and genetic effects of alcian blue in conjugating Tetrahymena thermophila: doublet formation and macronuclear retention. Gutierrez JC, et al. **Cell Differ** 1986 Jun;18(4):243–56
Developmental regulation of gene expression in Tetrahymena. Mayo KA, et al. **Dev Biol** 1986 Aug; 116(2):302–13
Polypeptides during early conjugation in Tetrahymena thermophila. Suhr-Jessen P, et al. **Exp Cell Res** 1986 Apr; 163(2):549–57
Isolation and genetic analysis of mutations at the SerH immobilization antigen locus of Tetrahymena thermophila. Doerder FP, et al. **Genetics** 1985 Oct;111(2):273–86
hv1 is an evolutionarily conserved H2A variant that is preferentially associated with active genes. Allis CD, et al. **J Biol Chem** 1986 Feb 5;261(4):1941–8
Chromatin structure of the telomeric region and 3'-nontranscribed spacer of Tetrahymena ribosomal RNA genes. Budarf ML, et al. **J Biol Chem** 1986 Jan 5; 261(1):363–9
Microinjected Tetrahymena rDNA ends are not recognized as telomeres in Xenopus eggs. Berg CA, et al. **J Cell Biol** 1986 Sep;103(3):691–8
Dominant mutations regulating i-antigen expression in Tetrahymena thermophila. Doerder FP. **J Hered** 1986 May–Jun;77(3):202–4
Tubulin evolution: ciliate-specific epitopes are conserved in the ciliary tubulin of Metazoa. Adoutte A, et al. **J Mol Evol** 1985;22(3):220–9
5S and 5.8S ribosomal RNA evolution in the suborder Tetrahymenina (Ciliophora: Hymenostomatida). Van Bell CT. **J Mol Evol** 1985;22(3):231–6
Updating rDNA restriction enzyme maps of Tetrahymena reveals four new intron-containing species. Nielsen H, et al. **J Protozool** 1985 Aug;32(3):480–5
Alternative processing of sequences during macronuclear development in Tetrahymena thermophila. White TC, et al. **J Protozool** 1986 Feb;33(1):30–8
Eliminated sequences with different copy numbers clustered in the micronuclear genome of Tetrahymena thermophila. White TC, et al. **MGG** 1985;201(1):65–75
Reproducible and variable genomic rearrangements occur in the developing somatic nucleus of the ciliate Tetrahymena thermophila. Howard EA, et al. **Mol Cell Biol** 1985 Aug;5(8):2039–50
Enzymatic activity of the conserved core of a group I self-splicing intron. Szostak JW. **Nature** 1986 Jul 3–9; 322(6074):83–6
In vitro deletion analysis of ARS elements spanning the replication origin in the 5' non-transcribed spacer of Tetrahymena thermophila ribosomal DNA. Amin AA, et al. **Nucleic Acids Res** 1986 Mar 25;14(6):2749–62
Tetrahymena conjugation-induced genes: structure and organization in macro- and micronuclei. Martindale DW, et al. **Nucleic Acids Res** 1986 Feb 11;14(3):1341–54
Sequence comparison of the rDNA introns from six different species of Tetrahymena. Nielsen H, et al. **Nucleic Acids Res** 1985 Oct 25;13(20):7445–55
Sequence characterization of Tetrahymena macronuclear DNA ends. Yokoyama R, et al. **Nucleic Acids Res** 1986 Mar 11;14(5):2109–22
Deposition-related histone acetylation in micronuclei of conjugating Tetrahymena. Allis CD, et al. **Proc Natl Acad Sci USA** 1985 Dec;82(23):8048–52
Transformation of Tetrahymena thermophila by microinjection of ribosomal RNA genes. Tondravi MM, et al. **Proc Natl Acad Sci USA** 1986 Jun;83(12):4369–73
The intervening sequence RNA of Tetrahymena is an enzyme. Zaug AJ, et al. **Science** 1986 Jan 31; 231(4737):470–3

GROWTH & DEVELOPMENT

Intracellular pattern reversal in Tetrahymena thermophila. II. Transient expression of a janus phenocopy in balanced doublets. Frankel J, et al. **Dev Biol** 1986 Mar;114(1):72–86
Intracellular pattern reversal in Tetrahymena thermophila. I. Evidence for reverse intercalation in unbalanced doublets. Nelsen EM, et al. **Dev Biol** 1986 Mar;114(1):53–71
The specific phosphorylation of a 40S ribosomal protein in growth-arrested tetrahymena is induced by sodium. Cuny M, et al. **J Cell Physiol** 1985 Aug;124(2):349–57

IMMUNOLOGY

Expression of a cell surface immobilization antigen during serotype transformation in Tetrahymena thermophila. Williams NE, et al. **Mol Cell Biol** 1985 Aug;5(8):1925–32

METABOLISM

Internalization and heterochromatic localization of 3H-di-iodothyrosine (T2) in the unicellular organism Tetrahymena and rat thymocytes. Csaba G, et al. **Acta Morphol Hung** 1985;33(1–2):61–8
Phosphatidylcholine homeostasis in phosphatidylethanolamine-depleted Tetrahymena. Smith JD. **Arch Biochem Biophys** 1986 Apr;246(1):347–54
Reactions of the intervening sequence of the Tetrahymena ribosomal ribonucleic acid precursor: pH dependence of cyclization and site-specific hydrolysis. Zaug AJ, et al. **Biochemistry** 1985 Oct 22;24(22):6211–8
Receptor-level interrelationships of amino acids and the adequate amino acid type hormones in Tetrahymena: a receptor evolution model. Csaba G, et al. **Biosystems** 1986; 19(1):55–9
Intermolecular exon ligation of the rRNA precursor of Tetrahymena: oligonucleotides can function as 5' exons. Inoue T, et al. **Cell** 1985 Dec;43(2 Pt 1):431–7
Rapid and sensitive assays for phagosomal acidification in Paramecium and Tetrahymena. Fok AK, et al. **Eur J Cell Biol** 1985 Sep;38(2):306–11
The increases in the rates of synthesis of ribosomal proteins and ribosomal RNA during refeeding of starved Tetrahymena cells are not dependent on DNA replication. Dreisig H, et al. **Exp Cell Res** 1986 Jun;164(2):471–80
Post-meiotic DNA synthesis in nocodazole-blocked nuclei during conjugation of Tetrahymena thermophila. Induction of polyploidy in the micronucleus. Gaertig J, et al. **Exp Cell Res** 1986 Jun;164(2):562–7
The energy budget of Tetrahymena and the material fluxes into and out of the adenylate pool. Jauker F, et al. **Exp Cell Res** 1986 Sep;166(1):161–70
Proteolytic response to nutritional step-down in Tetrahymena. Jonassen TO, et al. **Exp Cell Res** 1986 Mar; 163(1):165–74
Phosphate compounds as iron chelators in animal cell cultures. Rasmussen L, et al. **In Vitro Cell Dev Biol** 1986 Apr;22(4):177–9
The unicellular Tetrahymena as a model cell for receptor research. Csaba G. **Int Rev Cytol** 1985;95:327–77 (115 ref.)
Nonrandom utilization of acetylation sites in histones isolated from Tetrahymena. Evidence for functionally distinct H4 acetylation sites. Chicoine LG, et al. **J Biol Chem** 1986 Jan 25;261(3):1071–6
Induction of heat shock proteins by canavanine in Tetrahymena. No change in ATP levels measured in vivo by NMR. Jones KA, et al. **J Biol Chem** 1986 Jul 5; 261(19):8703–7
RNA and protein synthesis during meiotic prophase in Tetrahymena thermophila. Martindale DW, et al. **J Protozool** 1985 Nov;32(4):644–9
Self-catalyzed cyclization of the intervening sequence RNA of Tetrahymena: inhibition by methidiumpropyl-EDTA and localization of the major dye binding sites. Tanner NK, et al. **Nucleic Acids Res** 1985 Nov 11;13(21):7759–79
Self-catalyzed cyclization of the intervening sequence RNA of Tetrahymena: inhibition by intercalating dyes. Tanner NK, et al. **Nucleic Acids Res** 1985 Nov 11;13(21):7741–58

PHYSIOLOGY

Leakage of DNA-ligand (DAPI) during regeneration of cilia in DAPI-pretreated Tetrahymena. Krawczyńska W. **Cell Mol Biol** 1985;31(5):413–8
Regulation of histone acetylation during macronuclear differentiation in Tetrahymena: evidence for control at the level of acetylation and deacetylation. Chicoine LG, et al. **Dev Biol** 1986 Aug;116(2):477–85
Oral filament proteins and their regulation in Tetrahymena pyriformis. Williams NE, et al. **Exp Cell Res** 1986 Jun; 164(2):295–310
Induction of acquired thermotolerance in Tetrahymena thermophila: effects of protein synthesis inhibitors. Hallberg RL, et al. **Mol Cell Biol** 1985 Aug;5(8):2061–9

ULTRASTRUCTURE

Internalization and localization of membrane-associated DNA in the Tetrahymena. Csaba G, et al. **Acta Histochem (Jena)** 1986;79(2):175–80
Protein secretion in Tetrahymena thermophila: characterization of the secretory mutant strain SB281. Maihle NJ, et al. **J Cell Sci** 1985 Oct;78:49–65
Secondary structure of Tetrahymena thermophilia 5S ribosomal RNA as revealed by enzymatic digestion and microdensitometric analysis. Sneath B, et al. **Nucleic Acids Res** 1986 Feb 11;14(3):1365–78
Multiple forms of tubulin in the cilia and cytoplasm of Tetrahymena thermophila. Suprenant KA, et al. **Proc Natl Acad Sci USA** 1985 Oct;82(20):6908–12

TETRAHYMENA PYRIFORMIS

ANALYSIS

Insulin-related material in microbes: similarities and differences from mammalian insulins. LeRoith D, et al. **Can J Biochem Cell Biol** 1985 Aug;63(8):839–49
Extracts of protozoa contain materials that react specifically in the immunoassay for guinea pig insulin. de Pablo F, et al. **Horm Metab Res** 1986 Feb;18(2):82–7
The 5S and 5.8S ribosomal RNA sequences of Tetrahymena thermophila and T. pyriformis. Van Bell CT. **J Protozool** 1985 Nov;32(4):640–4

DRUG EFFECTS

Influence of hormone treatment applied or begun in different phases of the cell cycle on hormonal imprinting in Tetrahymena. Csaba G, et al. **Acta Biol Hung** 1985; 36(2):141–5
Influence of low and high temperature on diiodotyrosine imprinting in Tetrahymena. Csaba G, et al. **Acta Biol Hung** 1985;36(2):147–51
Digoxin effect and imprinting in the unicellular Tetrahymena. Csaba G, et al. **Acta Physiol Hung** 1986;67(3):271–5
Variability of lindane toxicity in Tetrahymena pyriformis with special reference to liposomal lindane and the surfactant Tween 80. Wiger R. **Bull Environ Contam Toxicol** 1985 Oct;35(4):452–9
[A biological method for the determination of mycotoxins—Tetrahymena pyriformis] Niktiar F, et al. **Vet Med (Praha)** 1986 Apr;31(4):245–50 (Eng. Abstr.) **(Slo)**

ENZYMOLOGY

Electron microscopic localization and hormonal (diiodotyrosine) induction of adenylate cyclase in the Tetrahymena. Csaba G, et al. **Acta Histochem (Jena)** 1985; 77(1):7–9
Purification and properties of ornithine decarboxylase from Tetrahymena pyriformis. Sklaviadis TK, et al. **Biochim Biophys Acta** 1985 Oct 18;831(3):288–96
Effect of local anesthetics on stearoyl-CoA desaturase of Tetrahymena microsomes. Umeki S, et al. **Biol Chem Hoppe Seyler** 1986 Jan;367(1):61–5
Properties of acid phospholipases in lysosome and extracellular medium of Tetrahymena pyriformis. Arai H, et al. **J Biochem (Tokyo)** 1986 Jan;99(1):125–33
Isolation and characterization of DNA-dependent RNA polymerase I of Tetrahymena pyriformis. Mueller K, et al. **J Biochem (Tokyo)** 1985 Nov;98(5):1157–67
Carbohydrates of lysosomal enzymes secreted by Tetrahymena pyriformis. Taniguchi T, et al. **J Biol Chem** 1985 Nov 15;260(26):13941–6
Suppression by dexamethasone of isoproterenol-mediated changes in fatty acyl-CoA desaturase activity of Tetrahymena microsomes. Umeki S, et al. **Lipids** 1985 Dec; 20(12):850–3
A single tRNA (guanine)-methyltransferase from Tetrahymena with both mono- and di-methylating activity. Reinhart MP, et al. **Nucleic Acids Res** 1986 Feb 11;14(3):1131–48

GENETICS

A discontinuous small subunit ribosomal RNA in Tetrahymena pyriformis mitochondria. Schnare MN, et al. **J Biol Chem** 1986 Apr 15;261(11):5187–93
[Transcription of tetrahymena ribosomal RNA gene] Higashinakagawa T, et al. **Tanpakushitsu Kakusan Koso** 1985 Dec;30(14 Suppl):1679–93 (22 ref.) **(Jpn)**

GROWTH & DEVELOPMENT

Influence of benzodiazepine (diazepam) by single and repeated treatment on the growth of Tetrahymena. Darvas Z, et al. **Biomed Biochim Acta** 1985;44(11–12):1725–8
Changes in the transport of mitochondrial Ca2+ during the culture growth cycle of Tetrahymena pyriformis. Kim YV, et al. **J Cell Sci** 1985 Aug;77:47–56

IMMUNOLOGY

Effects of membrane fluidity changes on lectin binding in Tetrahymena pyriformis. Kõhidai L, et al. **Cell Mol Biol** 1986;32(3):303–8
Influence of phenothiazines and local anesthetics on lectin binding to Tetrahymena surface membrane. Kõhidai L, et al. **Cell Mol Biol** 1986;32(1):73–7

METABOLISM

Cyclic changes of concanavalin-A binding sites in Tetrahymena cell membrane. Kőhidai L, et al. **Acta Morphol Hung** 1985;33(1-2):117-21

Actin and tubulin in Tetrahymena. Mitchell EJ, et al. **Can J Biochem Cell Biol** 1985 Jun;63(6):389-96 (70 ref.)

Induction of steroid binding sites (receptors) and presence of steroid hormones in the unicellular Tetrahymena pyriformis. Csaba G, et al. **Comp Biochem Physiol [A]** 1985; 82(3):567-70

Calmodulin-binding proteins of Tetrahymena microsomal membranes. Nagao S, et al. **Comp Biochem Physiol [B]** 1985;82(4):689-93

Chlortetracycline-mediated continuous Ca2+ oscillations in mitochondria of digitonin-treated Tetrahymena pyriformis. Kim YV, et al. **Eur J Biochem** 1985 Dec 16;153(3):503-7

Enzymatic cyclization of all-trans pentaprenyl and hexaprenyl methyl ethers by a cell-free system from the protozoon Tetrahymena pyriformis. The biosynthesis of scalarane and polycyclohexaprenyl derivatives. Renoux JM, et al. **Eur J Biochem** 1986 Feb 17;155(1):125-32

Targeting of liposomes containing methotrexate towards Tetrahymena pyriformis cells. Kotsifaki H, et al. **Gen Pharmacol** 1985;16(6):573-7

[Cytokinin (6-benzylaminopurine) incorporation into DNA of the protozoan Tetrahymena pyriformis] Mazin AL, et al. **Izv Akad Nauk SSSR [Biol]** 1986 Jan-Feb;(1):122-5 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Sterol manipulation that modulates the alteration in membrane fluidity of Tetrahymena pyriformis during temperature acclimation. Umeki S, et al. **Biol Chem Hoppe Seyler** 1986 Mar;367(3):235-9

Promotion of gas bubble formation by ingested nuclei in the ciliate, Tetrahymena pyriformis. Hemmingsen BB. **Cell Biophys** 1986 Jun;8(3):189-200

The effects of temperature upon the electrophysiological properties of Tetrahymena pyriformis-NT1. Connolly JG, et al. **Comp Biochem Physiol [A]** 1985;81(2):293-302

Temperature-dependent changes in the swimming behaviour of Tetrahymena pyriformis-NT1 and their interrelationships with electrophysiology and the state of membrane lipids. Connolly JG, et al. **Comp Biochem Physiol [A]** 1985;81(2):303-10

Changes in lipid fluidity and fatty acid composition with altered culture temperature in Tetrahymena pyriformis-NT1. Connolly JG, et al. **Comp Biochem Physiol [A]** 1985;81(2):287-92

Influence of deciliation and ciliary regeneration on hormonal imprinting in Tetrahymena. Observations on the 'localization' of imprinting. Csaba G, et al. **Exp Cell Biol** 1986;54(1):49-52

Macrophage activation by Tetrahymena pyriformis. II. Active protein fractions from Tetrahymena. Makioka A, et al. **J Protozool** 1986 Feb;33(1):21-6

ULTRASTRUCTURE

Nucleosome core particles of calf thymus, Tetrahymena, and the reconstituted hybrid. Their structure reflects the nature of the histone octamer. Kasai K, et al. **J Biochem (Tokyo)** 1986 Jan;99(1):91-8

Isolation of pure pellicles containing intact basal bodies of Tetrahymena pyriformis. Tiedtke A. **J Cell Sci** 1985 Aug; 77:155-65

Ultrastructural changes elicited in the Tetrahymena by primary exposure (imprinting) and reexposure to hormone. Csaba G, et al. **Z Mikrosk Anat Forsch** 1985;99(6):884-90

TETRAISOPROPYLPYROPHOSPHAMIDE see under **ORGANOPHOSPHORUS COMPOUNDS**

TETRAKAIN see **TETRACAINE**

TETRALOGY OF FALLOT

COMPLICATIONS

Coronary artery--pulmonary artery fistula in tetralogy of Fallot with pulmonary atresia. Dark JH, et al. **Eur Heart J** 1985 Aug;6(8):714-6

Isolated laevocardia with tetralogy of Fallot. Kumar M, et al. **J Indian Med Assoc** 1985 Jun;83(6):217-8, 224

The Nager acrofacial dysostosis syndrome with the tetralogy of Fallot. Thompson E, et al. **J Med Genet** 1985 Oct; 22(5):408-10

[Hypertrophic myocardiopathy and tetralogy of Fallot. Study of 2 cases] Touze JE, et al. **Ann Cardiol Angeiol (Paris)** 1986 Jan;35(1):31-4 (Eng. Abstr.) (Fre)

[Myocardial infarct in an adult patient with tetralogy of Fallot] García-Fernández F, et al. **Rev Esp Cardiol** 1986 Mar-Apr;39(2):157-9 (Eng. Abstr.) (Spa)

DIAGNOSIS

Echocardiographic features of tetralogy of Fallot with an accessory tricuspid valve leaflet. LaCorte MA, et al. **Am Heart J** 1985 Dec;110(6):1297-9

DRUG THERAPY

[Use of beta-adrenoblockaders in young children with tetralogy of Fallot] Zolotova TS, et al. **Pediatriia** 1986 Jun; (6):31-5 (Eng. Abstr.) (Rus)

ETIOLOGY

Tetralogy of Fallot produced in chick embryos by mechanical interference with cardiogenesis. Aranega A, et al. **Anat Rec** 1985 Dec;213(4):560-5

FAMILIAL & GENETIC

An autosomal dominant syndrome of characteristic facial appearance, preauricular pits, fifth finger clinodactyly, and tetralogy of Fallot. Jones MC, et al. **Am J Med Genet** 1985 Sep;22(1):135-41

NURSING

[Insufficiency of blood volume after the surgery of children with Fallot's syndrome: treatment and nursing care] Lin WH. **Chung Hua Hu Li Tsa Chih** 1986 Jun;21(3):111-2 (Chi)

PATHOLOGY

Is the aorta truly dextroposed in tetralogy of Fallot? A two-dimensional echocardiographic answer. Isaaz K, et al. **Circulation** 1986 May;73(5):892-9

PHYSIOPATHOLOGY

Resting lung function in children after repair of tetralogy of Fallot. Gaultier C, et al. **Chest** 1986 Apr;89(4):561-7

Tetralogy of Fallot. Page GG. **Heart Lung** 1986 Jul; 15(4):390-401 (44 ref.)

Dynamic observation on systolic time intervals in children with ventricular septal defect, atrial septal defect and tetralogy of Fallot before and after radical surgery. Jiang ZD, et al. **J Tongji Med Univ** 1986;6(2):93-9

[Pulmonary gas exchange and oxygen transport and utilization during artificial pulmonary ventilation with positive end-expiratory pressure in patients following the radical correction of tetralogy of Fallot] Tskhovrebov SV, et al. **Anesteziol Reanimatol** 1985 Jul-Aug;(4):23-6 (Eng. Abstr.) (Rus)

RADIOGRAPHY

The use of intravenous digital subtraction angiography in the evaluation of tetralogy of Fallot. Gordon TA, et al. **Am Heart J** 1986 Jul;112(1):89-96

Tetralogy of Fallot with origin of left pulmonary artery from the ascending aorta. Robida A, et al. **Pediatr Radiol** 1985; 15(6):422-3

[Calculation of the diameter of the pulmonary arteries in tetralogy of Fallot] Berishvili II, et al. **Gruda Khir** 1985 Jul-Aug;(4):67-72 (Eng. Abstr.) (Rus)

[Diagnostic angiocardiography: tetralogy of Fallot] Villavicencio R, et al. **Bol Asoc Med PR** 1985 Aug; 77(8):345-6 (Spa)

SURGERY

Surgical treatment of tetralogy of Fallot. Parenzan L. **Ala J Med Sci** 1986 Apr;23(2):151-4

Pulmonary and subclavian steal following Blalock-Taussig shunt [letter] Casta A, et al. **Am Heart J** 1985 Dec; 110(6):1313-4

Effect of intense aerobic training on exercise performance in children after surgical repair of tetralogy of Fallot or complete transposition of the great arteries. Bradley LM, et al. **Am J Cardiol** 1985 Nov 1;56(12):816-8

Complete atrioventricular canal associated with tetralogy of Fallot or double-outlet right ventricle and right ventricular outflow tract obstruction: a report of successful surgical treatment. He GW, et al. **Ann Thorac Surg** 1986 Jun; 41(6):612-5

Long-term results of porcine valve insertion for pulmonary regurgitation following repair of tetralogy of Fallot. Ilbawi MN, et al. **Ann Thorac Surg** 1986 May;41(5):478-82

The clinical profile and surgical treatment of tetralogy of Fallot in the adult: results of repair in 200 patients. John S, et al. **Ann Thorac Surg** 1986 May;41(5):502-6

Postoperative long-term results in total correction of tetralogy of Fallot: hemodynamics and cardiac function. Oku H, et al. **Ann Thorac Surg** 1986 Apr;41(4):413-8

Absent pulmonary valve syndrome: a two-stage operation. Park MK, et al. **Ann Thorac Surg** 1986 Jun;41(6):669-71

Complete atrioventricular canal and tetralogy of Fallot: surgical considerations. Vargas FJ, et al. **Ann Thorac Surg** 1986 Sep;42(3):258-63

Surgical repair of tetralogy of Fallot with complete atrioventricular canal. Vouhé PR, et al. **Ann Thorac Surg** 1986 Mar;41(3):342-4

Enhanced myocardial protection by systemic deep hypothermia in children undergoing total correction of tetralogy of Fallot. Yamaguchi M, et al. **Ann Thorac Surg** 1986 Jun;41(6):639-46

Successful total correction of Fallot's pentalogy in the seventh decade of life. Bett JH, et al. **Aust NZ J Med** 1986 Feb;16(1):59-60

Total repair of tetralogy of Fallot in the adult. The Cleveland Clinic experience 1951-1981. Kreindel MS, et al. **Cleve Clin Q** 1985 Fall;52(3):375-81

Results of corrective surgery for tetralogy of Fallot. Hruda J, et al. **Cor Vasa** 1985;27(6):426-33

Results of total repair of tetralogy of Fallot after previous subclaviopulmonary or aortopulmonary anastomosis. Tláskal T, et al. **Cor Vasa** 1985;27(5):353-63

The risk of surgical treatment of tetralogy of Fallot: an appraisal. Rizzoli G, et al. **Int J Cardiol** 1985 Sep;9(1):7-26

Reoperation after initial correction of tetralogy of Fallot. Abe T, et al. **J Cardiovasc Surg (Torino)** 1985 Nov-Dec; 26(6):568-72

Early total repair of tetralogy of Fallot associated with complete atrioventricular canal. Mack JW Jr, et al. **J Cardiovasc Surg (Torino)** 1985 Nov-Dec;26(6):585-8

Aneurysm of the pulmonary artery. Rare long term complication of central aorto-pulmonary shunts for congenital heart disease. Report of two cases with review of the literature. Nwaneri NJ, et al. **J Cardiovasc Surg (Torino)** 1986 Jan-Feb;27(1):94-9

Surgical approach to severely symptomatic newborn infants with tetralogy of Fallot and absent pulmonary valve. Ilbawi MN, et al. **J Thorac Cardiovasc Surg** 1986 Apr;91(4):584-9

Ninety consecutive corrective operations for tetralogy of Fallot with or without minimal right ventriculotomy. Kawashima Y, et al. **J Thorac Cardiovasc Surg** 1985 Dec; 90(6):856-63

Standardized patch infundibuloplasty for tetralogy of Fallot. Kurosawa H, et al. **J Thorac Cardiovasc Surg** 1986 Sep;92(3 Pt 1):396-401

Staged surgical treatment of early bacterial endocarditis after surgical repair of tetralogy of Fallot and discrete subaortic stenosis: report of a case. Smolinsky A, et al. **J Thorac Cardiovasc Surg** 1985 Nov;90(5):788-9

Double-outlet right atrium associated with tetralogy of Fallot and common atrioventricular valve. Westerman GR, et al. **J Thorac Cardiovasc Surg** 1986 Feb;91(2):205-7

Late sustained ventricular tachycardia after complete repair of tetralogy of Fallot--a case report. Oda H, et al. **Jpn Circ J** 1986 Mar;50(3):283-7

Right ventricular function after extracardiac conduit repair for tetralogy of Fallot. A comparison among surgical approaches. Shimazaki Y, et al. **Jpn Heart J** 1985 Nov; 26(6):923-33

Tetralogy of Fallot: historical lessons. Fuster V, et al. **Mt Sinai J Med (NY)** 1985 Sep;52(7):534-40

Septal origin of sustained ventricular tachycardia in a patient with right ventricular outflow tract obstruction after correction of tetralogy of Fallot. Swerdlow CD, et al. **PACE** 1986 Jul;9(4):584-8

Intraventricular conduction disturbances after correction of tetralogy of Fallot: can bifascicular and trifascicular block be diagnosed from the surface ECG? Friedli B, et al. **Pediatr Cardiol** 1985;6(3):133-6

[Long-term results of the total correction of Fallot's tetralogy] Pan Z, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Apr; 14(2):77-9, 125 (Eng. Abstr.) (Chi)

[Problems in children after radical correction of Fallot's tetralogy] Hruda J, et al. **Cesk Pediatr** 1985 Nov; 40(11):631-3 (Eng. Abstr.) (Cze)

[Fallot's tetralogy with aplasia of the pulmonary valve] Dominik J, et al. **Rozhl Chir** 1986 Apr;65(4):238-41 (Eng. Abstr.) (Cze)

[Tetralogy of Fallot: postoperative evaluation] Calabrò R, et al. **Cardiologia** 1985 Nov;30(11):1057-62 (Ita)

[Sudden death in surgically treated tetralogy of Fallot (clinical conference)] Corrado D, et al. **G Ital Cardiol** 1985 Sep;15(9):897-902 (Ita)

[Successful exchange transfusion for complication of Reye's syndrome following surgical correction of tetralogy of Fallot] Ohkita Y, et al. **Kyobu Geka** 1985 Nov; 38(11):905-11 (Eng. Abstr.) (Jpn)

[Serous fluid leakage following systemic-to-pulmonary shunt operations using expanded polytetrafluoroethylene (EPTFE) tubular grafts] Ohshima Y, et al. **Kyobu Geka** 1986 Jan;39(1):47-50 (Eng. Abstr.) (Jpn)

[A case of tetralogy of Fallot associated with congenital tricuspid insufficiency] Tachibana H, et al. **Kyobu Geka** 1986 Jun;39(6):449-53 (Eng. Abstr.) (Jpn)

[Experience with tricuspid and pulmonary valve replacement in childhood] Tahata T, et al. **Kyobu Geka** 1986 Jun; 39(6):491-4 (Eng. Abstr.) (Jpn)

[Surgical management of double aortic arch especially with intracardiac anomalies] Higashidate M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Oct;33(10):1903-9 (Eng. Abstr.) (Jpn)

[Surgical treatment of tetralogy of Fallot with a congenitally absent left pulmonary artery] Kobayashi J, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Jul;33(7):1101-6 (Eng. Abstr.) (Jpn)

[Experimental study of pulmonary valve replacement without the aid of extracorporeal circulation--a palliative operation for tetralogy of Fallot with absent pulmonary valve] Kotoda K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Oct;33(10):1970-4 (Eng. Abstr.) (Jpn)

[Relationships between oxygen consumption and hemodynamic changes in tetralogy of Fallot immediately after total correction] Ohtake S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Sep;33(9):1275-9 (Eng. Abstr.) (Jpn)

[The effects of hepatic perfusion pressure on hepatic insufficiency after open heart surgery in congenital heart disease] Onitsuka T, et al.

Nippon Kyobu Geka Gakkai Zasshi 1986 Mar;34(3):336–42 (Eng. Abstr.) (Jpn)

[A case of floppy aortic valve following radical operation of tetralogy of Fallot] Saitoh Y, et al. Nippon Kyobu Geka Gakkai Zasshi 1985 Oct;33(10):2000–3 (Eng. Abstr.) (Jpn)

[Long-term hemodynamic evaluation of patients after total correction of tetralogy of Fallot] Tabayashi K, et al. Nippon Kyobu Geka Gakkai Zasshi 1986 Feb;34(2):158–63 (Eng. Abstr.) (Jpn)

[Changes in intrinsic prostanoids after Blalock–Taussig operation of tetralogy of Fallot] Takeda H, et al. Nippon Kyobu Geka Gakkai Zasshi 1986 Apr;34(4):462–6 (Eng. Abstr.) (Jpn)

[Re-estimation of the effects of shunt operation on the development of bilateral pulmonary arteries in tetralogy of Fallot with or without pulmonary atresia] Tezuka M, et al. Nippon Kyobu Geka Gakkai Zasshi 1985 Sep; 33(9):1267–74 (Eng. Abstr.) (Jpn)

[Myocardial protection in children undergoing total correction of tetralogy of Fallot] Yamaguchi M, et al. Nippon Kyobu Geka Gakkai Zasshi 1985 Sep;33(9):1305–13 (Eng. Abstr.) (Jpn)

[Rational stabilization of the blood during surgery with extracorporeal circulation in patients with cyanotic tetralogy of Fallot] Ishmukhametova DN, et al. Anesteziol Reanimatol 1986 Jan–Feb;(1):13–7 (Eng. Abstr.) (Rus)

[Functional evaluation of the cardiovascular and respiratory systems in patients after 2-stage correction of tetralogy of Fallot] Chachanashvili TR, et al. Grudn Khir 1986 May–Jun;(3):28–33 (Eng. Abstr.) (Rus)

[Evaluation of ischemic lesions of the myocardium according to indices of intraoperative hemodynamics during radical correction of the tetrad of Fallot] Konstantinov BA, et al. Grudn Khir 1986 Jan–Feb;(1):5–8 (Eng. Abstr.) (Rus)

[Methods for the closure of systemic–pulmonary anastomoses during radical correction of tetralogy of Fallot] Podzolkov VP, et al. Grudn Khir 1986 Mar–Apr;(2):17–23 (Eng. Abstr.) (Rus)

[Use of hypothermic protection of the body during surgical correction of congenital heart defects] Savichevskil MS, et al. Vestn Khir 1986 May;136(5):121–5 (Eng. Abstr.) (Rus)

[Usefulness of bidimensional and pulsed Doppler echocardiography in the follow-up of patients operated on for Fallot's tetralogy. Results obtained in 96 of our patients] Casaldáliga J, et al. Rev Esp Cardiol 1986 Mar–Apr;39(2):119–24 (Eng. Abstr.) (Spa)

[Postoperative mid-term evolution in the surgical correction of tetralogy of Fallot. Our experience in 147 cases] Casaldáliga J, et al. Rev Esp Cardiol 1985 Sep–Oct; 38(5):317–21 (Eng. Abstr.) (Spa)

[Periprosthetic seroma cyst in modified Blalock–Taussig shunt] Gómez R, et al. Rev Esp Cardiol 1985 Nov–Dec; 38(6):456–8 (Eng. Abstr.) (Spa)

THERAPY

[An experience of bronchial collateral interception by transcatheter embolization after repair of extreme tetralogy of Fallot] Onitsuka T, et al. Kyobu Geka 1986 Jan; 39(1):34–7 (Eng. Abstr.) (Jpn)

TETRAMETHYL ACRIDINE DIAMINE see **ACRIDINE ORANGE**

TETRAMETHYLPHENYLENEDIAMINE see under **PHENYLENEDIAMINES**

TETRAMISOLE

PHARMACODYNAMICS

[Efficacy of levimasole and nilverm on gastrointestinal nematodes in cattle and their effect on milk yield] Prokopič J, et al. Angew Parasitol 1985 Aug;26(3):131–8 (Eng. Abstr.) (Ger)

THERAPEUTIC USE

[Trials of immunostimulation of an antitoxic response with levamisole in the immunization of sheep with a combined clostridial vaccine] Bineva I, et al. Vet Med Nauki 1986; 23(4):35–8 (Eng. Abstr.) (Bul)

L-TETRAMISOLE see **LEVAMISOLE**

TETRAMON see **TETRAETHYLAMMONIUM COMPOUNDS**

TETRANITROMETHANE see under **METHANE**

TETRAPETALONEMA see **MANSONELLA**

TETRAPHENYLBORATE see under **BORON COMPOUNDS**

TETRAPLEGIA see **QUADRIPLEGIA**

TETRATHIONIC ACID see under **THIOSULFATES**

TETRAZOLES see under **AZOLES**

TETRAZOLIUM SALTS

A 10-min pre-incubation is required for measurement of fructosamine in plasma [letter] Seng LY, et al. Clin Chem 1986 Feb;32(2):403–4

The measurement of glycosylated albumin by reduction of alkaline nitro-blue tetrazolium. Walker SW, et al. Clin Chim Acta 1986 Apr 30;156(2):197–206

Paragonimus ohirai: genetic control of tetrazolium oxidase isozymes. Agatsuma T, et al. Exp Parasitol 1985 Dec; 60(3):309–13

Rapid colorimetric assay for cell growth and survival. Modifications to the tetrazolium dye procedure giving improved sensitivity and reliability. Denizot F, et al. J Immunol Methods 1986 May 22;89(2):271–7

Staining of eosinophils with nitroblue tetrazolium in patients with chronic granulomatous disease. Roberts RL, et al. Pediatr Res 1986 Apr;20(4):378–80

[Relation between chemical structure and histochemical qualities of tetrazolium salts] Seidler E. Acta Histochem (Jena) 1986;78(1):73–81 (Eng. Abstr.) (Ger)

DIAGNOSTIC USE

Triphenyltetrazolium staining of irreversible ischemic injury following coronary artery occlusion in rats. Vivaldi MT, et al. Am J Pathol 1985 Dec;121(3):522–30

A comparison of two methods for estimating the area at risk in experimental myocardial infarction. Vanhaecke J, et al. Basic Res Cardiol 1986 May–Jun;81(3):231–7

An automated colorimetric microassay for neuronotrophic factors. Manthorpe M, et al. Brain Res 1986 Mar; 390(2):191–8

Rapid chemosensitivity testing of human lung tumor cells using the MTT assay. Cole SP. Cancer Chemother Pharmacol 1986;17(3):259–63

In-vivo neutrophil migration and nitroblue tetrazolium reduction in sickle cell disease. Akinyanju OO. Clin Lab Haematol 1985;7(2):133–42

Efficacy of nitroblue tetrazolium test in common febrile illnesses. Sharma SD, et al. Indian Pediatr 1986 May; 23(5):345–50

Serum opsonic activity after pneumococcal vaccination in splenectomized individuals as measured by a nitroblue tetrazolium (NBT) reduction micromethod. Urban T, et al. J Clin Lab Immunol 1986 Jan;19(1):49–52

A colorimetric microassay for opsonins by reduction of NBT in phagocytosing bovine polymorphs. Rainard P. J Immunol Methods 1986 Jun 24;90(2):197–201

A rapid colorimetric assay of fungal viability with the tetrazolium salt MTT. Levitz SM, et al. J Infect Dis 1985 Nov;152(5):938–45

Heterogeneity in chronic granulomatous disease detected with an improved nitroblue tetrazolium slide test. Meerhof LJ, et al. J Leukocyte Biol 1986 Jun;39(6):699–711

Histochemical studies: inability of triphenyltetrazolium chloride nonstaining to define tissue necrosis. Barnard RJ, et al. J Thorac Cardiovasc Surg 1986 Sep;92(3 Pt 2):502–12

Nitroblue tetrazolium test in asthma and dysgammaglobulinaemia [letter] Kaufman HS. Lancet 1971 Dec 4;2(7736):1262

[Determination of the lactate concentration in plasma using L-lactate:ferricytochrome c-oxidoreductase and tetrazolium salt] Racek J. J Clin Chem Clin Biochem 1985 Dec;23(12):883–5 (Eng. Abstr.) (Ger)

[NBT-test stimulation of neutrophilic granulocytes by bacterial preparations in healthy persons] Nagoev BS, et al. Lab Delo 1986;(5):273–6 (Eng. Abstr.) (Rus)

[Ontogenetic characteristics of the indices of the nitroblue tetrazolium reduction reaction in children] Otin AIa. Lab Delo 1986;(1):13–5 (Eng. Abstr.) (Rus)

[Use of the leukocyte nitroblue tetrazolium reduction test in the differential diagnosis of infectious endocarditis and rheumatism] Chipigina NS. Revmatologiia (Moskva) 1986 Jan–Mar;(1):35–9 (Eng. Abstr.) (Rus)

METABOLISM

Non-enzymatic diformazan produced from eluted nitro blue tetrazolium bound to tissue and retention of protein in unfixed frozen tissue sections incubated in a histoenzymological system. de Oliveira JA, et al. Cell Mol Biol 1985;31(5):391–6

Oxidation by rat brain of N-methyl-4-phenyl-1,2,5,6-tetrahydropyridine (MPTP) coupled to tetrazolium nitro blue. Youdim MB. Eur J Pharmacol 1985 Jul 17;113(2):283–6

NBT-reduction for detection of specific, opsonizing antibodies against haemophilus parainfluenzae. Julander I, et al. J Clin Lab Immunol 1985 May;17(1):45–8

[Comparative evaluation of neutrophil metabolism based on the chemiluminescence and nitroblue tetrazolium reduction reactions] Nevmiatullin AL, et al. Lab Delo 1985;(6):347–9 (Eng. Abstr.) (Rus)

[Platelet aggregation after the reduction of nitro-blue tetrazolium by eosinophils] Meloni Bruneri LH, et al. Sangre (Barc) 1985;30(4–A):426–9 (Eng. Abstr.) (Spa)

PHARMACODYNAMICS

A simple disk-diffusion test for differentiation of yeast species. Sobczak H. J Med Microbiol 1985 Dec; 20(3):307–16

TETRODOTOXIN

The search for functional correspondences in molecular structure between two dissimilar molecules. Danziger DJ, et al. J Theor Biol 1985 Sep 21;116(2):215–24

ANALOGS & DERIVATIVES

Occurrence of tetrodotoxin and anhydrotetrodotoxin in Vibrio sp. isolated from the intestines of a xanthid crab, Atergatis floridus. Noguchi T, et al. J Biochem (Tokyo) 1986 Jan;99(1):311–4

Actions of 4-epitetrodotoxin and anhydrotetrodotoxin on the squid axon. Kao CY, et al. Toxicon 1985;23(5):725–9

ANTAGONISTS & INHIBITORS

Gangliosides restore the specificity of afferent projection patterns in spinal cord explants chronically exposed to tetrodotoxin. Baker RE, et al. Neurosci Lett 1986 Jun 30; 67(3):285–8

ISOLATION & PURIFICATION

Occurrence of tetrodotoxin and anhydrotetrodotoxin in Vibrio sp. isolated from the intestines of a xanthid crab, Atergatis floridus. Noguchi T, et al. J Biochem (Tokyo) 1986 Jan;99(1):311–4

METABOLISM

[3H]-tetrodotoxin binding in neuronal and non-neuronal spinal cord cultures. Litzinger MJ, et al. Biochem Biophys Res Commun 1986 Aug 14;138(3):1250–6

Photoaffinity labeling of the tetrodotoxin binding component of Electrophorus electricus electroplax. Uehara S, et al. Neurochem Res 1985 Aug;10(8):1119–28

Blockade of [3H]lysine-tetrodotoxin binding to sodium channel proteins by conotoxin GIII. Yanagawa Y, et al. Neurosci Lett 1986 Feb 14;64(1):7–12

PHARMACODYNAMICS

Effects of saxitoxin analogues and ligand competition on sodium currents of squid axons. Frace AM, et al. Am J Physiol 1986 Aug;251(2 Pt 1):C159–66

Voltage-dependent action of tetrodotoxin in mammalian cardiac myocytes. Vassilev PM, et al. Am J Physiol 1986 Aug;251(2 Pt 2):H475–80

Slow inactivation of sodium current and voltage-dependent block by tetrodotoxin in rabbit cardiac Purkinje fibers. Carmeliet E. Biomed Biochim Acta 1986;45(1–2):S163–6

Saxitoxin and tetrodotoxin. Electrostatic effects on sodium channel gating current in crayfish axons. Heggeness ST, et al. Biophys J 1986 Mar;49(3):629–43

Tetrodotoxin-sensitive sodium channels in a continuously cultured cell line derived from the adult rat cerebellum. Caviedes R, et al. Brain Res 1986 Feb 19;365(2):259–68

Intraocular tetrodotoxin reduces axonal transport and transcellular transfer of adenosine and other nucleosides in the visual system of goldfish. Edwards DL, et al. Brain Res 1986 Feb 5;364(2):258–67

Induction of the action potential in innervated slow muscle fibers of the frog. Effects of tetrodotoxin, vincristine and colchicine. Siebler M, et al. Brain Res 1986 Jan 8; 362(2):299–307

A comparative study of the effects of tetrodotoxin and the removal of external Na+ on the resting potential: evidence of separate pathways for the resting and excitable Na currents in squid axon. Chang DC, et al. Cell Mol Neurobiol 1985 Dec;5(4):311–20

Tetrodotoxin-sensitive and tetrodotoxin-resistant Na+ channels differ in their sensitivity to Cd2+ and Zn2+. Frelin C, et al. Eur J Pharmacol 1986 Mar 18;122(2):245–50

The interaction of polypeptide neurotoxins with tetrodotoxin-resistant Na+ channels in mammalian cardiac cells. Correlation with inotropic and arrhythmic effects. Renaud JF, et al. Eur J Pharmacol 1986 Jan 21; 120(2):161–70

Effect of "disuse" on mammalian fast-twitch muscle: joint fixation compared with neurally applied tetrodotoxin. St-Pierre D, et al. Exp Neurol 1985 Dec;90(3):635–51

3H-batrachotoxinin-A benzoate binding to voltage-sensitive sodium channels: inhibition by the channel blockers tetrodotoxin and saxitoxin. Brown GB. J Neurosci 1986 Jul;6(7):2064–70

Tetrodotoxin inhibits directly acting stimulants of intestinal fluid secretion. Coupar IM. J Pharm Pharmacol 1986 Jul; 38(7):553–5

Negative inotropic effects of tetrodotoxin and seven class I antiarrhythmic drugs in relation to sodium channel blockade. Honerjäger P, et al. Naunyn Schmiedebergs Arch Pharmacol 1986 Feb; 332(2):184–95

The effect of intraocular injection of tetrodotoxin on fast axonal transport of [3H]proline- and [3H]fucose-labeled materials in the developing rat optic nerve. Riccio RV, et al. Neuroscience 1985 Dec;16(4):1027–39

Cooperativity of tetrodotoxin action in the frog node of Ranvier. Benoit E, et al. Pflugers Arch 1985 Oct; 405(3):237–43

Tetrodotoxin exerts a large frequency-dependent depression of the maximum rate of rise of action potentials in guinea pig ventricular myocytes. Watanabe T, et al. Pflugers Arch 1986 Jun;406(6):645–7

Is tetrodotoxin block of cardiac sodium channels voltage dependent? Hondeghem LM, et al.
Proc West Pharmacol Soc 1985;28:9–10

Morphological abnormalities in myelinated nerve fibres caused by Leiurus, Centruroides and Phoneutria venoms and their prevention by tetrodotoxin. Love S, et al.
Q J Exp Physiol 1986 Jan;71(1):115–22

Lack of effect of tetrodotoxin and of an extract from the posterior salivary gland of the blue-ringed octopus following injection into the octopus and following application to its brachial nerve. Flachsenberger W, et al.
Toxicon 1985;23(6):997–9

Evaluation of a new tetrodotoxin preparation [letter] Hu SL, et al. **Toxicon** 1985;23(5):723–4

The pH dependence of the tetrodotoxin–blockade of the sodium channel and implications for toxin binding. Hu SL, et al. **Toxicon** 1986;24(1):25–31

Actions of 4–epitetrodotoxin and anhydrotetrodotoxin on the squid axon. Kao CY, et al. **Toxicon** 1985;23(5):725–9

[Relation between the process of tetrodotoxin block of the inward sodium current and the concentration of sodium ions in the medium] Sorokina ZA, et al. **Fiziol Zh** 1986 Jul–Aug;32(4):442–8 (Eng. Abstr.) (Rus)

POISONING

Pufferfish poisoning: emergency diagnosis and management of mild human tetrodotoxication. Sims JK, et al.
Ann Emerg Med 1986 Sep;15(9):1094–8

Puffer fish (tetrodotoxin) poisoning: case report. Joy–Sobrino JL, et al. **Bol Asoc Med PR** 1985 Nov;77(11):482–5

Puffer fish poisoning: four case reports. Lyn PC.
Med J Malaysia 1985 Mar;40(1):31–4

TETROSES

ANALYSIS

Methods for enzymatic and colorimetric determinations of D–erythrulose (D–tetrulose). Morii K, et al.
Anal Biochem 1985 Nov 15;151(1):188–91

TETRYLAMMONIUM see **TETRAETHYLAMMONIUM COMPOUNDS**

TEXTBOOKS see under **BOOKS**

TEXTBOOKS, PROGRAMMED see **PROGRAMMED INSTRUCTION**

TEXTILE INDUSTRY

Respiratory disability in ex–flax workers. Elwood JH, et al.
Br J Ind Med 1986 May;43(5):300–6

Branchial challenge of normal subjects with the endotoxin of Enterobacter agglomerans isolated from cotton dust. Jamison JP, et al. **Br J Ind Med** 1986 May;43(5):327–31

Behavioural measurements in textile weavers wearing ear protectors. Bhattacharya SK, et al. **Indian J Med Res** 1985 Jul;82:56–64

Byssinosis: environmental and respiratory symptoms among textile workers in Sudan. Awad el Karim MA, et al.
Int Arch Occup Environ Health 1986;57(2):101–8

Motor neuron disease in textile factory workers. Abarbanel JM, et al. **Isr J Med Sci** 1985 Nov;21(11):924–5

Hand injuries in the textile industry. Myles SM, et al.
J Hand Surg [Br] 1985 Oct;10(3):293–6

The clinical manifestations of byssinosis in Indian textile workers. Parikh JR, et al. **J Soc Occup Med** 1986 Spring; 36(1):24–8

Hexacarbon neuropathy: tracking a toxin. Couri D, et al. **Neurotoxicology** 1985 Winter;6(4):65–71

Epidemiological considerations on the medical and socio–economic implications of arterial hypertension (observations in a knit ready–made clothing manufactory). Ivan A, et al. **Sante Publique (Bucur)** 1985;28(3):227–38

Respiratory disease in cotton textile workers in the People's Republic of China. I. Respiratory symptoms. Christiani DC, et al. **Scand J Work Environ Health** 1986 Feb; 12(1):40–5

Respiratory disease in cotton textile workers in the People's Republic of China. II. Pulmonary function results. Christiani DC, et al. **Scand J Work Environ Health** 1986 Feb;12(1):46–50

Immunoglobulin E antibodies against a reactive dye—a case report. Hagmar L, et al. **Scand J Work Environ Health** 1986 Jun;12(3):221–2

Soft tissue disorders in the upper limbs of female garment workers. Punnett L, et al.
Scand J Work Environ Health 1985 Dec;11(6):417–25

Mortality among retired fur workers. Dyers, dressers (tanners) and service workers. Sweeney MH, et al.
Scand J Work Environ Health 1985 Aug;11(4):257–64

[Causes of disability related to occupational exposure to carbon disulfide] Grabowski Z. **Med Pr** 1985;36(6):387–95 (Eng. Abstr.) (Pol)

[Incidence of arterial hypertension in the population of workers in the textile industry in Łódź] Starzyński Z, et al. **Med Pr** 1985;36(2):131–8 (Eng. Abstr.) (Pol)

[Morphological changes in guinea pig lungs caused by textile dust] Korn–Rydzewska H, et al. **Otolaryngol Pol** 1985; 39(4):306–14 (Eng. Abstr.) (Pol)

[Effect of the production factors at a blending combine on the external respiratory function of adolescents] Aleksandrovskaia VI, et al. **Gig Sanit** 1985 Dec;(12):24–6 (Rus)

[Effectiveness of supplementary vitaminization and ultraviolet irradiation of female workers in a sewing shop] Garas'ko EV, et al. **Gig Sanit** 1985 Aug;(8):83–4 (Rus)

[Effect of artificial air ionization on the disperse fraction composition of bacterial aerosol particles in weaving production] Garas'ko EV, et al. **Gig Sanit** 1985 Dec; (12):73–4 (Rus)

[Chromatographic determination of dyes in the air of the finishing shops of textile enterprises and in washings from the skin of workers] Zenina GA, et al. **Gig Sanit** 1986 Apr; (4):76–7 (Rus)

[Occupational hygiene in the production of carbonaceous filamentous materials made from polyacrylonitrile and hydrated cellulose fibers] Fediakina RP.
Gig Tr Prof Zabol 1985 Sep;(9):26–9 (Eng. Abstr.) (Rus)

[Prevalence of cardiovascular disorders and risk factors among women exposed to occupational noise] Izmerov NF, et al. **Gig Tr Prof Zabol** 1986 Jun;(6):4–8 (Eng. Abstr.) (Rus)

[Working conditions of the operators engaged in processing cotton raw material using cotton extractors] Kordakov IA, et al. **Gig Tr Prof Zabol** 1985 Oct;(10):45–6 (Rus)

[Development of various therapeutic and preventive measures for industrial workers with diseases of the respiratory organs] Miagkov II, et al.
Gig Tr Prof Zabol 1986 Jun;(6):46–8 (Rus)

[Morbidity with temporary disability among workers in the cotton–spinning plant and ways of reducing it] Perfilova GS, et al. **Gig Tr Prof Zabol** 1986 Jul;(7):28–31 (Eng. Abstr.) (Rus)

[Effect of massage and special exercises on the vascular system of the legs] Poliakova NN, et al.
Gig Tr Prof Zabol 1986 Jan;(1):31–5 (Eng. Abstr.) (Rus)

[Evaluation of the degree of severity of the asthmatic syndrome in chronic dust–induced bronchitis by the indicators of kininogenesis and external respiratory function] Surovikina MS, et al. **Gig Tr Prof Zabol** 1986 Jan;(1):17–21 (Eng. Abstr.) (Rus)

[Dynamics of epidemiological situation and the results of the program of prevention of arterial hypertension at industrial plants] Markov KV, et al. **Kardiologiia** 1985 Jun;25(6):106–8 (Rus)

[Detection of duodenal ulcer risk group] Zlatkina AR, et al. **Sov Med** 1985;(12):72–6 (Rus)

[Use of the chief indices of information–entropy analysis in studies of the health status of workers] Dogle NV, et al. **Sov Zdravookhr** 1986;(6):14–9 (Eng. Abstr.) (Rus)

[Ammonium chloride in the treatment of allergic dermatoses among workers in the production of worsted cloth] Anton'ev AA, et al. **Vestn Dermatol Venerol** 1986;(6):40–2 (Eng. Abstr.) (Rus)

[Functional and morphological characteristics of mucous membrane of the upper respiratory tract of workers in cotton–processing plants] Abdulkhamidov KhB.
Vestn Otorinolaringol 1985 Jul–Aug;(4):47–9 (Eng. Abstr.) (Rus)

[Effect of the inhalation of prodigiozan on the incidence of inflammatory diseases of the upper respiratory tract] Kuznetsov VS, et al. **Vestn Otorinolaringol** 1986 Jul–Aug; (4):49–51 (Eng. Abstr.) (Rus)

[Use of the automated system of preventive screening of the population (ASPSP) in the study of the incidence of ORL diseases among workers in the cotton–processing industry] Loginova VN, et al. **Vestn Otorinolaringol** 1986 Jul–Aug; (4):67–70 (Eng. Abstr.) (Rus)

[Dynamics of arterial pressure in textile workers in relation to their age and length of employment in the plant] Kachnyĭ GG, et al. **Vrach Delo** 1985 Sep;(9):107–9 (Eng. Abstr.) (Rus)

[Features of the effect of industrial and non–industrial noise on female textile industry workers] Petrichenko AA.
Vrach Delo 1986 Apr;(4):95–8 (Eng. Abstr.) (Rus)

[Evaluation of the pollution potential of the Venezuelan textile industry on the receiving water–bodies] Ishizaki C, et al. **Acta Cient Venez** 1985;36(1):81–9 (Eng. Abstr.) (Spa)

ECONOMICS

Cost–benefit analysis of the recovery of carbon disulfide in the manufacturing of viscose rayon. Liang YX, et al.
Scand J Work Environ Health 1985;11 Suppl 4:60–3

INSTRUMENTATION

Crochet aid for the amputee. Matsushima DS.
Am J Occup Ther 1986 Jul;40(7):495–6

STANDARDS

[Main trends in improving working conditions in viscous fiber plants] Kasparov AA, et al. **Gig Tr Prof Zabol** 1986 Jan; (1):11–3 (Eng. Abstr.) (Rus)

TEXTILES

Relationship of mortality to measures of environmental asbestos pollution in an asbestos textile factory. Peto J, et al. **Ann Occup Hyg** 1985;29(3):305–55

Purity of standardized textile dye allergens: a thin layer chromatography study. Foussereau J, et al.
Contact Dermatitis 1986 May;14(5):303–6

Textile chemical finish dermatitis. Hatch KL, et al.
Contact Dermatitis 1986 Jan;14(1):1–13 (107 ref.)

Effects of selected materials and geometries on the beta dose equivalent rate in a tissue equivalent phantom immersed in infinite clouds of 133Xe. Piltingsrud HV, et al.
Health Phys 1986 Jun;50(6):809–21

The adherence of Staphylococcus aureus, Staphylococcus epidermidis and Escherichia coli on cotton, polyester and their blends. Hsieh YL, et al. **J Appl Bacteriol** 1986 Jun; 60(6):535–44

Bacterial counts on fabrics: a comparative study of three methods. Hoborn J, et al. **J Hyg (Lond)** 1985 Oct; 95(2):403–7

Cost–benefit analysis of the recovery of carbon disulfide in the manufacturing of viscose rayon. Liang YX, et al.
Scand J Work Environ Health 1985;11 Suppl 4:60–3

Experimental and clinical experiences with double–velour woven Dacron prostheses. Haverich A, et al.
Thorac Cardiovasc Surg 1986 Feb;34(1):52–3

Clinical experience with a new collagen–coated Dacron double–velour prosthesis. Stegmann T, et al.
Thorac Cardiovasc Surg 1986 Feb;34(1):54–6

[Cleansing of the skin of metabolic products and microorganisms by the wearing of children's outer clothing made of polyacrylonitrile fibers] Uzunova S, et al.
Probl Khig 1985;10:108–16 (Eng. Abstr.) (Bul)

[Effects of tussah silk dust on lung function] Liu TM.
Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1984 Aug;7(4):239–41, 255 (Eng. Abstr.) (Chi)

["Textile lung". Apropos of the first Tunisian case of linen pneumoconiosis] Ben Hassine K. **Tunis Med** 1985 Nov; 63(11):647–50 (Eng. Abstr.) (Fre)

[So–called "wild silk" asthma—an ever current inhalation allergy to silk waste] Wüthrich B, et al.
Schweiz Med Wochenschr 1985 Oct 5;115(40):1387–93 (Eng. Abstr.) (Ger)

[Experimental animal studies on the problem of sealing a woven vascular prosthesis and a textile patch by direct–current activated autologous blood] Sedlarik KM, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986; 19(1):16–20 (Eng. Abstr.) (Ger)

[Contact dermatitis from fabrics] Gasperini M, et al.
G Ital Dermatol Venereol 1986 May–Jun;121(3):215–8 (Eng. Abstr.) (Ita)

[An experimental study of the healing of velour grafts] Kobayashi O. **Nippon Geka Gakkai Zasshi** 1986 Feb; 87(2):211–9 (Eng. Abstr.) (Jpn)

[Experimental evaluation of woven and double–side velour vascular prostheses of Polish production] Filipiak K.
Ann Acad Med Stetin 1985;31:85–101 (Eng. Abstr.) (Pol)

[Antimicrobial properties of hexachlorophene–impregnated fabric] Samollova LV, et al. **Gig Sanit** 1986 Jan;(1):72–3 (Rus)

[Roentgenocontrast textile materials for medical use] Vlasov LG, et al. **Khirurgiia (Mosk)** 1986 Jun;(6):114–7 (Rus)

ADVERSE EFFECTS

[Hygienic evaluation of the amount of hexachlorophene on the skin from wearing antimicrobial underwear] Bogachuk GP, et al. **Gig Sanit** 1985 Dec;(12):13–7 (Eng. Abstr.) (Rus)

TFE see **POLYTETRAFLUOROETHYLENE**

THALAMIC DISEASES

COMPLICATIONS

Hypesthetic–ataxic–hemiparesis in thalamic hemorrhage. Verma AK, et al. **Stroke** 1986 Jan–Feb;17(1):49–51

[Gerstmann's syndrome without aphasia due to left thalamic hemorrhage] Ono T, et al. **Rinsho Shinkeigaku** 1985 Jun; 25(6):728–32 (Eng. Abstr.) (Jpn)

[A case of cheiro–oral syndrome caused by a minimal thalamic hemorrhage] Sannomiya K, et al.
Rinsho Shinkeigaku 1985 Jun;25(6):694–6 (Eng. Abstr.) (Jpn)

[Reversible extrapyramidal pathology after cerebral hemorrhage (letter)] López del Val LJ, et al.
Rev Clin Esp 1986 Mar;178(5):249–50 (Spa)

DIAGNOSIS

Thalamic pain. Agnew DC. **Bull Clin Neurosci** 1984;49:93–8

Thalamic hemorrhage with neglect and memory disorder. Waxman SG, et al. **J Neurol Sci** 1986 Aug;75(1):105–12

[Study of early somatosensory evoked potentials by stimulation of the median nerve at the wrist in 6 patients with unilateral thalamic lesions] Viola UC, et al.
Rev Electroencephalogr Neurophysiol Clin 1985 Sep; 15(2):163–72 (Eng. Abstr.) (Fre)

[Clinical aspects and long–term prognosis of spontaneous thalamus hematomas] Schütz HJ.
Fortschr Neurol Psychiatr 1985 Oct;53(10):355–62 (Eng. Abstr.) (Ger)

DRUG THERAPY

Amitriptyline in the treatment of thalamic pain. Koppel BS.
South Med J 1986 Jun;79(6):759–61

PATHOLOGY

Diagnosis of germinal neoplasm in the thalamus and basal ganglia. Ono N, et al. **Surg Neurol** 1986 Jul;26(1):24–8

PHYSIOPATHOLOGY

[Dorsolateral thalamic infarct syndrome with therapeutically modifiable pain crises] Kmietzyk HJ, et al. **Fortschr Neurol Psychiatr** 1986 Feb;54(2):42–6 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Thalamic dementia: report of a case with unusual lesion location. Abbruzzese G, et al. **Ital J Neurol Sci** 1986 Feb; 7(1):155–9

Bilateral paramedian thalamic infarctions: a CT study. Gerber O, et al. **Neuroradiology** 1986;28(2):128–31

The syndrome of unilateral tuberothalamic artery territory infarction. Bogousslavsky J, et al. **Stroke** 1986 May–Jun; 17(3):434–41

[CT findings in patients with thalamic pain] Henningsen H, et al. **Nervenarzt** 1986 Jan;57(1):42–6 **(Ger)**

RADIOTHERAPY

[Laser therapy of post-stroke Déjérine–Roussy thalamic syndrome] Anishchenko GIa, et al. **Sov Med** 1986;(4):41–3 (Eng. Abstr.) **(Rus)**

SURGERY

Use of the Cavitron ultrasonic surgical aspirator and evoked potentials for the treatment of thalamic and brain stem tumors in children. Albright AL, et al. **Neurosurgery** 1985 Oct;17(4):564–8

[Thalamus abscess: a report of 2 cases] Zhou LF, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Dec;23(12):750–1, 782–3 (Eng. Abstr.) **(Chi)**

[Stereotactic evacuation of hypertensive thalamic hematomas using plasminogen activator (urokinase)] Komai N, et al. **No Shinkei Geka** 1986 Mar;14(3 Suppl):249–56 (Eng. Abstr.) **(Jpn)**

[CT-controlled stereotactic operations for hypertensive intracerebral hemorrhage Part 2: Cases with small hematomas in the thalamus and the basal ganglia] Shichijo F, et al. **No Shinkei Geka** 1985 Sep;13(9):945–52 (Eng. Abstr.) **(Jpn)**

THERAPY

[Thalamic pain syndrome. Clinico–radiologic correlations and treatment by intermittent stimulation of the sensory nuclei of the thalamus] Demierre B, et al. **Neurochirurgie** 1985;31(4):281–5 (Eng. Abstr.) **(Fre)**

THALAMIC NUCLEI

Absence attacks controlled by thalamic stimulation. Andy OJ, et al. **Appl Neurophysiol** 1985;48(1–6):423–6

Modification of the projection from the sensory cortex to the motor cortex following the elimination of thalamic projections to the motor cortex in cats. Asanuma H, et al. **Brain Res** 1985 Oct 14;345(1):79–86

Seizure control by mesothalamic reticular stimulation. Andy OJ, et al. **Clin Electroencephalogr** 1986 Apr;17(2):52–60

Studies on neurotransmitter markers and striatal neuronal cell density in Huntington's disease and dentatorubropallidoluysian atrophy. Kanazawa I, et al. **J Neurol Sci** 1985 Sep;70(2):151–65

ANALYSIS

A survey of MabQ113 immunoreactivity in the adult rat brain: differential staining of the lateral and medial habenular nuclei. Plioplys AV, et al. **Brain Res** 1986 Jun 4;375(1):1–12

Immunohistochemical demonstration of serotonin nerve fibers in the subthalamic nucleus of the rat, cat and monkey. Mori S, et al. **Neurosci Lett** 1985 Dec 18;62(3):305–9

ANATOMY & HISTOLOGY

The projection from the parataenial thalamic nucleus, as demonstrated by the Phaseolus vulgaris–leucoagglutinin (PHA–L) method, identifies a subterritorial organization of the ventral striatum. Carlsen J, et al. **Brain Res** 1986 May 28;374(2):375–9

The projection pattern of the suprageniculate nucleus to the caudate nucleus in cats. Hu H, et al. **Brain Res** 1986 Mar 12;368(1):201–3

Distribution of corticocortical and thalamocortical synapses on identified motor cortical neurons in the cat: Golgi, electron microscopic and degeneration study. Ichikawa M, et al. **Brain Res** 1985 Oct 14;345(1):87–101

The identification of thalamocortical axon terminals in barrels of mouse Sml cortex using immunohistochemistry of anterogradely transported lectin (Phaseolus vulgaris–leucoagglutinin). Keller A, et al. **Brain Res** 1985 Sep 16;343(1):159–65

Spinal neuronal collaterals to the intralaminar thalamic nuclei and periaqueductal gray. Liu RP. **Brain Res** 1986 Feb 12; 365(1):145–50

Thalamocortical neurons projecting to superficial and to deep layers in parietal, frontal and prefrontal regions in the cat. Russell E, et al. **Brain Res** 1985 Nov 11;347(1):159–65

Superior collicular projection to intralaminar thalamus in rat. Yamasaki DS, et al. **Brain Res** 1986 Jul 23;378(2):223–33

Direct projections from the parvocellular part of the posteromedial ventral nucleus of the thalamus to the infralimbic cortex in the cat. Yasui Y, et al. **Brain Res** 1986 Mar 19;368(2):384–8

A note on the projection from the rostral thalamus to the visual hyperstriatum of the chicken (Gallus gallus). Ehrlich D, et al. **Exp Brain Res** 1986;62(1):207–11

Cholinergic and non–cholinergic projections from the canine pontomesencephalic tegmentum (Ch5 area) to the caudal intralaminar thalamic nuclei. Isaacson LG, et al. **Exp Brain Res** 1986;62(1):179–88

Topographical projections from the posterior thalamic regions to the striatum in the cat, with reference to possible tecto–thalamo–striatal connections. Takada M, et al. **Exp Brain Res** 1985;60(2):385–96

The thalamic relations of the caudal inferior parietal lobule and the lateral prefrontal cortex in monkeys: divergent cortical projections from cell clusters in the medial pulvinar nucleus. Asanuma C, et al. **J Comp Neurol** 1985 Nov 15; 241(3):357–81

Are there connections between the thalamic reticular nucleus and the brainstem reticular formation? Berry DJ, et al. **J Comp Neurol** 1986 Jan 15;243(3):347–62

Thalamic projections to motor, prefrontal, and somatosensory cortex in the sheep studied by means of the horseradish peroxidase retrograde transport method. Dinopoulos A, et al. **J Comp Neurol** 1985 Nov 1; 241(1):63–81

A second ascending visual pathway from the optic tectum to the telencephalon in the pigeon (Columba livia). Gamlin PD, et al. **J Comp Neurol** 1986 Aug 15;250(3):296–310

The primate mediodorsal (MD) nucleus and its projection to the frontal lobe. Goldman–Rakic PS, et al. **J Comp Neurol** 1985 Dec 22;242(4):535–60

Thalamic fiber connections in a teleost (Sebastiscus marmoratus): visual somatosensory, octavolateral, and cerebellar relay region to the telencephalon. Ito H, et al. **J Comp Neurol** 1986 Aug 8;250(2):215–27

Telencephalic ascending acousticolateral system in a teleost (Sebastiscus marmoratus), with special reference to the fiber connections of the nucleus preglomerulosus. Murakami T, et al. **J Comp Neurol** 1986 May 15; 247(3):383–97

Connections of area 2 of somatosensory cortex with the anterior pulvinar and subdivisions of the ventroposterior complex in macaque monkeys. Pons TP, et al. **J Comp Neurol** 1985 Oct 1;240(1):16–36

Hypothalamic and ventral thalamic projections to the superior colliculus in the cat. Rieck RW, et al. **J Comp Neurol** 1986 Jan 8;243(2):249–65

A quantitative study of the relative contribution of different retinal sectors to the innervation of various thalamic and pretectal nuclei in goldfish. Springer AD, et al. **J Comp Neurol** 1985 Dec 15;242(3):369–80

Thalamostriatal projections from the ventral anterior nucleus in the dog. Tanaka D Jr, et al. **J Comp Neurol** 1986 May 1;247(1):56–68

A quantitative study of the nucleus rotundus of the carp. Cuadrado MI, et al. **J Hirnforsch** 1985;26(4):459–61

Thalamic projections to the posterior suprasylvian gyrus and the ventrally adjacent cortex in the cat traced with horseradish peroxidase. Niimi K, et al. **J Hirnforsch** 1985; 26(5):497–508

The thalamic reticular nucleus of the adult rat: experimental anatomical studies. Ohara PT, et al. **J Neurocytol** 1985 Jun; 14(3):365–411

Convergence on the same neurons in the feline ventrobasal thalamus of terminals from the dorsal column and the lateral cervical nuclei: an ultrastructural study combining orthograde degeneration and anterograde axonal transport of lectin conjugated horseradish peroxidase. Flink R, et al. **Neurosci Lett** 1985 Nov 11;61(3):243–8

Dual efferent projections of the trigeminal principal sensory nucleus to the thalamic ventroposteromedial nucleus in the squirrel monkey. Ganchrow D, et al. **Neurosci Lett** 1986 Jul 24;68(2):181–6

On the transmitter chemistry of thalamostriatal fibres [letter] Kilpatrick IC, et al. **Neurosci Lett** 1986 Jun 6;67(1):97–9

Metabolic and structural correlates of the vibrissae representation in the thalamus of the adult rat. Land PW, et al. **Neurosci Lett** 1985 Oct 10;60(3):319–24

Cortical and tectal afferent terminals in the suprageniculate nucleus of the cat. Norita M, et al. **Neurosci Lett** 1986 Mar 28;65(1):104–8

Projections from visual cortical area 19, the posterior medial lateral suprasylvian area and the lateral posterior–pulvinar complex of the thalamus to areas 17 and 18 in young kittens. Price DJ. **Neurosci Lett** 1985 Oct 10;60(3):363–8

Efferent connections of the claustrum to the posterior thalamic and pretectal region in the rat. Sloniewski P, et al. **Neurosci Lett** 1985 Sep 30;60(2):195–9

Thalamic projections to the hippocampal formation in the cat. Yanagihara M, et al. **Neurosci Lett** 1985 Oct 24; 61(1–2):31–5

The reciprocal connections of the suprageniculate nucleus and the superior colliculus in the rat. Tanaka K, et al. **Neurosci Res** 1985 Oct;3(1):79–85

Corticocortical and collateral thalamocortical connections of postcentral somatosensory cortical areas in squirrel monkeys: a double–labeling study with radiolabeled wheatgerm agglutinin and wheatgerm agglutinin conjugated to horseradish peroxidase. Cusick CG, et al. **Somatosens Res** 1985;3(1):1–31

CYTOLOGY

Cell sparse zones in the ventrolateral thalamic mass in humans, monkeys and cats: their special reference to kinesthetic neurons. Hirai T, et al. **Appl Neurophysiol** 1985; 48(1–6):316–23

Excitatory effect of iontophoretically applied dopamine on identified neurons of the rat subthalamic nucleus. Mintz I, et al. **Brain Res** 1986 Jun 4;375(1):172–5

An intracellular analysis of the entopeduncular inputs on the centrum medianum–parafascicular nuclear complex in cats. Yamamoto T, et al. **Brain Res** 1985 Dec 2;348(2):343–7

Electrophysiologic properties and nature of ventrolateral thalamic nucleus neurons reactive to converging inputs of paleo– and neocerebellar origin. Bava A, et al. **Exp Neurol** 1986 Jan;91(1):1–12

Light microscopic analysis of Golgi–impregnated rat subthalamic neurons. Afsharpour S. **J Comp Neurol** 1985 Jun 1;236(1):1–13

Topographical projections of the cerebral cortex to the subthalamic nucleus. Afsharpour S. **J Comp Neurol** 1985 Jun 1;236(1):14–28

Topographical organization of the afferent connections of the principal ventromedial thalamic nucleus in the cat. Jiménez–Castellanos J Jr, et al. **J Comp Neurol** 1985 Jun 15;236(3):297–314

Projection systems and terminal localization of dorsal column afferents: an autoradiographic and horseradish peroxidase study in the rat. Massopust LC, et al. **J Comp Neurol** 1985 Jul 22;237(4):533–44

Subclassification of neurons in the subthalamic nucleus of the lesser bushbaby (Galago senegalensis): a quantitative Golgi study using principal components analysis. Pearson JC, et al. **J Comp Neurol** 1985 Aug 15;238(3):323–39

Single thalamic neurons project to both lateral suprasylvian visual cortex and area 17: a retrograde fluorescent double–labeling study. Tong L, et al. **J Comp Neurol** 1986 Apr 8;246(2):254–64

A Golgi and ultrastructural analysis of the centromedian nucleus of the cat. Tseng GF, et al. **J Comp Neurol** 1986 Mar 15;245(3):359–78

Prosencephalic afferents to the mediodorsal thalamic nucleus. Velayos JL, et al. **J Comp Neurol** 1985 Dec 8;242(2):161–81

The percentage of projection neurons and local circuit neurons in different nuclei of the human thalamus. Braak H, et al. **J Hirnforsch** 1985;26(5):525–30

[Electrophysiological study of functional interrelations between the ventral posterolateral nucleus and lateral segments of the reticular thalamic nucleus] Prokopenko VF, et al. **Fiziol Zh** 1985 Jul–Aug;31(4):423–8 (Eng. Abstr.) **(Rus)**

[On the existence of 2 neuronal populations in the nucleus rotundus of the carp, Cyprinus carpio] Cuadrado MI, et al. **Trab Inst Cajal** 1984;75(1–4):81–4 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Effects of HI–6 and pralidoxime on neuronal RNA in thalamic cholinergic sites. Martin LJ, et al. **J Neurol Sci** 1985 Nov;71(1):1–8

The rat ventromedial thalamic nucleus and motor control: role of N–methyl–D–aspartate–mediated excitation, GABAergic inhibition, and muscarinic transmission. Klockgether T, et al. **J Neurosci** 1986 Jun;6(6):1702–11

TRH analogue affects information transfer through the ventrobasal thalamus. Clarke KA. **Neuropeptides** 1986 Jan; 7(1):31–9

Electrophysiological properties of lemniscal afferents in rat after kainic acid lesions in the ventrobasal thalamus. Peschanski M, et al. **Neurosci Lett** 1985 Aug 5;58(3):287–92

ENZYMOLOGY

Distribution of 'non–specific' cholinesterase–containing neurons in the dorsal thalamus of the rat. Robertson RT, et al. **Brain Res** 1986 Mar 12;368(1):116–24

GROWTH & DEVELOPMENT

The role of the principal sensory nucleus in central trigeminal pattern formation. Killackey HP, et al. **Brain Res** 1985 Sep; 354(1):141–5

Altered myelinated fiber trajectory at various postnatal days in the cerebral cortex of reeler mice by immunohistochemical stain with MBP antiserum. Mikoshiba K, et al. **Dev Neurosci** 1985;7(4):199–205

Undernutrition induced by early pup separation delays the development of the thalamic reticular nucleus in rats. Salas M, et al. **Exp Neurol** 1986 Sep;93(3):447–55

Posthatching development of synapses in the neuropil of nucleus rotundus of the zebra finch: a quantitative electron microscopic study. Nixdorf B, et al. **J Comp Neurol** 1986 Aug 1;250(1):133–9

Development of connections between the mediodorsal nucleus of the thalamus and the prefrontal cortex in the rat. Van Eden CG. **J Comp Neurol** 1986 Feb 15; 244(3):349–59

[Effects of neonatal malnutrition on the development of the thalamic reticular nucleus: a Golgi study in the rat] Salas M, et al. **Bol Estud Med Biol** 1984–85;33(1–8):3–12 (Eng.

Abstr.) (Spa)

METABOLISM

Immunocytochemical study of enkephalin-like cell bodies in the thalamus of the cat. Covenas R, et al. **Brain Res** 1986 Jul 9;377(2):355-61

Calcitonin gene-related peptide projection from the ventromedial thalamic nucleus to the insular cortex: a combined retrograde transport and immunocytochemical study. Shimada S, et al. **Brain Res** 1985 Sep 30;344(1):200-4

Numerical estimation of gamma-aminobutyric acid (GABA)-containing neurons in three thalamic nuclei of the cat: direct GABA immunocytochemistry. Madarász M, et al. **Neurosci Lett** 1985 Oct 24;61(1-2):73-8

PATHOLOGY

Hemiballism of ischemic origin. Report of a case with unusual anatomical lesion. Tognetti F, et al. **Acta Neurol (Napoli)** 1986 Apr;8(2):150-3

Clinicoanatomical study of thalamic stimulation for pain relief. Kuroda R, et al. **Appl Neurophysiol** 1985; 48(1-6):181-90

Thalamic lesions in a patient with Menkes kinky-hair disease. Martin JJ, et al. **Clin Neuropathol** 1985 Sep-Oct;4(5):206-9

MR imaging in "lacunar" hemiballismus. Biller J, et al. **J Comput Assist Tomogr** 1986 Sep-Oct;10(5):793-7

[Two familial cases of dentato-rubro-pallido-luysian atrophy with pseudo-Huntington's chorea] Iwabuchi K, et al. **Rinsho Shinkeigaku** 1985 Sep;25(9):1052-60 (Eng. Abstr.) (Jpn)

PHYSIOLOGY

Electrophysiological projections of pulvinar-lateralis posterior complex (P-LP) upon superior colliculus units in the cat. Infante C, et al. **Arch Ital Biol** 1986 May; 124(2):73-81

Influence of atropine microinjection into nucleus reticularis thalami on activity of lateral geniculate nucleus neurones in freely moving rats. Albrecht D, et al. **Behav Brain Res** 1986 Jan;19(1):49-57

Thalamic role in spatial memory. Greene E, et al. **Behav Brain Res** 1986 Feb;19(2):123-31

Spatial contrast and flicker sensitivity following medial thalamic or visual cortex lesions in hooded rats. Legg CR. **Behav Brain Res** 1986 Jan;19(1):41-7

Multiple unit activity of prefrontal cortex and dorsomedial thalamus during delayed go/no-go alternation in the rat. Sakurai Y, et al. **Behav Brain Res** 1986 Jun;20(3):295-301

The hippocampus and thalamus: their roles in short- and long-term memory and the effects of interference. Winocur G. **Behav Brain Res** 1985 Aug;16(2-3):135-52

Periaqueductal gray and cerebral cortex modulate responses of medial thalamic neurons to noxious stimulation. Andersen E. **Brain Res** 1986 Jun 4;375(1):30-6

Electrophysiology of rat thalamo-cortical relay neurons: an in vivo intracellular recording and labeling study. Kita H, et al. **Brain Res** 1986 Apr 16;371(1):80-9

Anatomical and physiological properties of the projection from the sensory cortex to the motor cortex in normal cats: the difference between corticocortical and thalamocortical projections. Kosar E, et al. **Brain Res** 1985 Oct 14; 345(1):68-78

Percentage of relay and intrinsic neurons in two sensory thalamic nuclei projecting to the non-cortical telencephalon in reptiles Caiman crocodilus. Pritz MB, et al. **Brain Res** 1986 Jun 18;376(1):169-74

A comparison of receptive field properties of vibrissa neurons between the rat thalamic reticular and ventro-basal nuclei. Shosaku A. **Brain Res** 1985 Nov 11;347(1):36-40

Cholinergic modulation of mediodorsal thalamic input into cingulate cortex. Sikes RW, et al. **Brain Res** 1985 Oct 21; 345(2):327-31

Electrophysiological evidence that the mediodorsal nucleus of the thalamus is a relay between the ventral pallidum and the medial prefrontal cortex in the rat. Vives F, et al. **Brain Res** 1985 Oct 7;344(2):329-37

Caudal cuneate nucleus projection to the direct thalamic relay to the motor cortex: an electrophysiological study. Waters RS, et al. **Brain Res** 1985 Dec 23;360(1-2):361-5

Localization of responses in the somatosensory thalamus of the rat. Cropper EC, et al. **Brain Res Bull** 1986 Jan; 16(1):83-91

Effects of hypnogenic vagal stimulation on thalamic neuronal activity in cats. Juhász G, et al. **Brain Res Bull** 1985 Nov; 15(5):437-41

Role of the extra-geniculate pathway in visual guidance. II. Effects of lesioning the pulvinar-lateral posterior thalamic complex in the cat. Fabre-Thorpe M, et al. **Exp Brain Res** 1986;62(3):596-606

Thalamocortical and intrathalamic interactions during slow repetitive stimulation of n. centralis lateralis. Jibiki I, et al. **Exp Brain Res** 1986;61(2):245-57

Identification of two populations of corticothalamic neurons in cat primary somatosensory cortex. Landry P, et al. **Exp Brain Res** 1985;60(2):289-98

Direct excitatory and inhibitory synaptic inputs from the medial mesodiencephalic junction to motoneurons innervating extraocular oblique muscles in the cat. Nakao S, et al. **Exp Brain Res** 1985;61(1):62-72

Saccade-related and visual activities in the pulvinar nuclei of the behaving rhesus monkey. Robinson DL, et al. **Exp Brain Res** 1986;62(3):625-34

Localized responses in the midsuprasylvian gyrus of the cat following stimulation of the central lateral nucleus in thalamus. Rydenhag B, et al. **Exp Brain Res** 1986; 62(1):11-24

Pulvinar nuclei of the behaving rhesus monkey: visual responses and their modulation. Petersen SE, et al. **J Neurophysiol** 1985 Oct;54(4):867-86

Cross-correlation analysis of a recurrent inhibitory circuit in the rat thalamus. Shosaku A. **J Neurophysiol** 1986 May; 55(5):1030-43

Abolition of spindle oscillations in thalamic neurons disconnected from nucleus reticularis thalami. Steriade M, et al. **J Neurophysiol** 1985 Dec;54(6):1473-97

Tooth pulp input to the shell region of nucleus ventralis posteromedialis of the cat thalamus. Yokota T, et al. **J Neurophysiol** 1986 Jul;56(1):80-98

Acetylcholine induces burst firing in thalamic reticular neurones by activating a potassium conductance. McCormick DA, et al. **Nature** 1986 Jan 30-Feb 5; 319(6052):402-5

Inhibition of hyperactive trigeminal subnucleus caudalis neurons after experimental trigeminal rhizotomy in response to thalamic sensory relay nucleus stimulation. Katayama Y, et al. **Neurol Res** 1986 Jun;8(2):97-101

Evoked electrical responses of nucleus lateralis posterior of the rabbit thalamus and their dependence upon the functional state of the cortex and reticular formation. Gasanova SA, et al. **Neurosci Behav Physiol** 1985 Nov-Dec;15(6):524-32

Transplantation of fetal cortex to the brain of newborn rats: a retrograde fluorescent analysis of callosal and thalamic projections from transplant to host. Castro AJ, et al. **Neurosci Lett** 1985 Oct 10;60(3):283-8

Changes in choline acetyltransferase, glutamic acid decarboxylase, high-affinity glutamate uptake and dopaminergic activity induced by kainic acid lesion of the thalamostriatal neurons. Nieoullon A, et al. **Neurosci Lett** 1985 Aug 5;58(3):299-304

The functional projections of the anterior ventralis nucleus, as revealed by autoradiography. Toldi J, et al. **Neurosci Lett** 1985 Jul 4;58(1):61-6

The taste and mechanical response properties of neurons in the parvicellular part of the thalamic posteromedial ventral nucleus of the rat. Nomura T, et al. **Neurosci Res** 1985 Dec;3(2):91-105

The structural and functional characteristics of striate cortical neurons that innervate the superior colliculus and lateral posterior nucleus in hamster. Klein BG, et al. **Neuroscience** 1986;17(1):57-78

The antinociceptive effects of stimulating the pretectal nucleus of the rat. Roberts MH, et al. **Pain** 1986 Apr; 25(1):83-93

[The relationship between A-fiber afferent impulse of the splanchnic nerve and evoked discharges of the posterior nucleus (PO) in the thalamus of the cat] Sun LH, et al. **Chen Tzu Yen Chiu** 1985;10(3):184-8 (Eng. Abstr.) (Chi)

[Effect of hypothalamic arcuate stimulation on the pain-evoked unit discharges of the thalamic parafascicular nucleus: a preliminary analysis] Chen XY, et al. **Sheng Li Hsueh Pao** 1986 Feb;38(1):26-32 (Eng. Abstr.) (Chi)

[Responses of the nucleus centrum medianum of the thalamus to stimulation of deep somatic nerves in cats] Lo FS, et al. **Sheng Li Hsueh Pao** 1985 Apr;37(2):113-9 (Eng. Abstr.) (Chi)

[Effects of stimulation of the rabbit caudate nucleus on units responsive to noxious stimuli in the parafascicular nucleus of the thalamus] Tong ZQ, et al. **Sheng Li Hsueh Pao** 1985 Apr;37(2):128-36 (Eng. Abstr.) (Chi)

[Electrophysiological analysis of pathways connecting the periaqueductal gray and parafascicular nucleus in rats] Xie YF, et al. **Sheng Li Hsueh Pao** 1985 Aug;37(4):388-94 (Eng. Abstr.) (Chi)

[Afferent connections to the thalamic centromedian nucleus in the cat as studied by the retrograde axonal transport techniques of horseradish peroxidase (HRP)] Kawahira J. **Igaku Kenkyu** 1984 Dec;54(8):813-28 (Eng. Abstr.) (Jpn)

[Effect of novocaine block of limbic system formations of the brain, hypothalamus and reticular formation on evoked potentials in the ventrobasal thalamic nucleus of the rat] Kirzon MV, et al. **Biol Nauki** 1985;(8):43-50 (Eng. Abstr.) (Rus)

[Structural and functional organization of the dorsal column nuclei after unilateral exclusion of the medial lemniscus] Orlova TV, et al. **Biull Eksp Biol Med** 1985 Sep; 100(9):346-9 (Eng. Abstr.) (Rus)

[Distribution of specific signals of different modality in the associative parietal area of the cat cortex] Poliakova AG, et al. **Biull Eksp Biol Med** 1985 Nov;100(11):532-6 (Eng. Abstr.) (Rus)

[Modulating effect of electric acupuncture stimulation on the bioelectrical activity of neurons of specific and nonspecific thalamic nuclei] Reshetniak VK, et al. **Biull Eksp Biol Med** 1986 May;101(5):515-7 (Eng. Abstr.) (Rus)

[Neurons-detectors of errors in subcortical structures of human brain] Bekhtereva NP, et al. **Dokl Akad Nauk SSSR** 1985;285(5):1233-5 (Rus)

[Functional heterogeneity of the nociceptive system of the parafascicular thalamic nucleus in the rabbit] Kassil' VG, et al. **Dokl Akad Nauk SSSR** 1986;287(2):466-9 (Rus)

[Responses of neurons and evoked potentials in subcortical structures of the human brain during visual recognition. II. Effect of stimulus relevance on evoked responses of neurons] Kropotov IuD, et al. **Fiziol Cheloveka** 1986 Jan-Feb;12(1):58-64 (Rus)

[Activation of neurons of the medial nuclei of the cat thalamus by stimulation of different groups of trigeminal nerve fibers] Garkavenko VV, et al. **Fiziol Zh** 1986 Jul-Aug;32(4):392-7 (Eng. Abstr.) (Rus)

[Role of the dopaminergic system in the development of caudate-induced spindle-type activity in the cat] Oleshko NN. **Fiziol Zh** 1986 May-Jun;32(3):263-72 (Eng. Abstr.) (Rus)

[Interaction between excitation and inhibition in reactions of field 5b neurons of the associative cortex of the cat brain to stimulation of relay nuclei of the thalamus] Voloshin MIa, et al. **Fiziol Zh** 1985 Sep-Oct;31(5):604-11 (Eng. Abstr.) (Rus)

[Reactions of neurons of the posterolateral nucleus of the thalamus to stimulation of the peripheral nerves] Alrapetian AA, et al. **Fiziol Zh SSSR** 1986 Mar;72(3):323-9 (Eng. Abstr.) (Rus)

[Cortico-reticular relations in the mechanisms of reflexotherapy] Durinian RA. **Fiziol Zh SSSR** 1986 Jan; 72(1):56-60 (Rus)

[Self-sustaining rhythmic activity of the "peak-wave" type and responses of neuronal and glial cells of the sensomotor cortex of the cat] Labakhua TSh, et al. **Neirofiziologiia** 1986;18(3):319-25 (Eng. Abstr.) (Rus)

[Postsynaptic reactions of neurons of the sensomotor cortex of the cat during evoked and self-sustained rhythmic activity of the "peak-wave" type] Labakhua TSh, et al. **Neirofiziologiia** 1986;18(3):298-306 (Eng. Abstr.) (Rus)

[Responses of caudate nucleus neurons to acoustic stimulation during functional blockade of the centrum medianum of the thalamus in the cat] Litvinova AN. **Neirofiziologiia** 1986;18(1):92-9 (Eng. Abstr.) (Rus)

[Slow electrical potentials arising after the initial response in the somatosensory cortex of the brain of the cat upon stimulation of the ventroposterolateral nucleus of the thalamus] Ocherashvili IV. **Neirofiziologiia** 1985; 17(4):435-41 (Eng. Abstr.) (Rus)

[Analysis of the background activity of neurons of the anterior (limbic) nuclei of the thalamus in the rabbit] Pakhotin PI, et al. **Neirofiziologiia** 1985;17(5):579-86 (Eng. Abstr.) (Rus)

[Dynamics of recovery of evoked responses of the dorsomedial nucleus of the thalamus of the rat after injuries to the amygdala] Sidorov BM. **Neirofiziologiia** 1986; 18(2):153-61 (Eng. Abstr.) (Rus)

[Electrophysiologic study of descending effects of field 5b of the association cortex of the brain of the cat on the neurons of the ventroposterolateral nucleus of the thalamus] Voloshin MIa, et al. **Neirofiziologiia** 1986; 18(2):269-72 (Eng. Abstr.) (Rus)

[Effects of the stimulation and destruction of the thalamic nuclei in an experiment] Kazakov VN. **Usp Fiziol Nauk** 1986 Jul-Sep;17(3):43-64 (117 ref.) (Rus)

[Effect of electric stimulation of non-specific and specific thalamic nuclei on the spatial synchronization of cortical potentials in the rabbit] Korinevskaia IV. **Zh Vyssh Nerv Deiat** 1985 Nov-Dec;35(6):1076-81 (Eng. Abstr.) (Rus)

[Neuronal activity of the caudate nucleus and centrum medianum of the thalamus in the cat during formation of an instrumental defensive conditioned reflex] Mikhallov AV. **Zh Vyssh Nerv Deiat** 1985 Nov-Dec;35(6):1068-75 (Eng. Abstr.) (Rus)

[Effect of electric stimulation of cortical portions of the limbic system on the activity of neurons of the anterior thalamic nuclei in the rabbit] Pakhotin PI. **Zh Vyssh Nerv Deiat** 1985 Nov-Dec;35(6):1125-32 (Eng. Abstr.) (Rus)

[Conditioned reflex changes in the intra-analyzer interaction of the afferent inputs from the lateral geniculate body and pulvinar thalami in the cerebral cortex of cats] Shumikhina SI. **Zh Vyssh Nerv Deiat** 1986 Jan-Feb;36(1):44-51 (Eng. Abstr.) (Rus)

[Comparative characteristics of the neuronal activity of the anterodorsal and anteroventral nuclei in thalamus slices from guinea pigs] Vinogradova OS, et al. **Zh Vyssh Nerv Deiat** 1986 Jan-Feb;36(1):140-9 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Cross-correlation analysis of thalamic neurons and EMG activity in parkinsonian tremor. Lenz FA, et al. **Appl Neurophysiol** 1985;48(1-6):305-8

Plastic change of thalamic organization in patients with tremor after stroke. Ohye C, et al. **Appl Neurophysiol** 1985; 48(1-6):288-92

Enhancement of memory with human ventrolateral thalamic stimulation: effect evident on a dichotic listening task. Ojemann GA. **Appl Neurophysiol** 1985;48(1-6):212-5

The spread of somatosensory-evoked potentials within the nervous system. Sólyom A, et al. **Appl Neurophysiol** 1985; 48(1-6):222-5

Dynamic EEG topography and analysis of epileptic spikes and evoked potentials following thalamic stimulation. Takahashi H, et al. **Appl Neurophysiol** 1985;48(1-6):418-22

Deafferentation pain and stimulation of the thalamic sensory

relay nucleus: clinical and experimental study. Tsubokawa T, et al. **Appl Neurophysiol** 1985;48(1–6):166–71

Thalamus as a relay station for catalepsy and rigidity. Wolfarth S, et al. **Behav Brain Res** 1985 Dec;18(3):261–8

[Polysensory properties of the horizontal region of the diagonal bundle from the cat forebrain] Poliakova AG. **Biull Eksp Biol Med** 1986 Jun;101(6):647–50 (Eng. Abstr.) **(Rus)**

[Electrical activity and excitability of the thalamic nuclei of rabbits of various ages] Pugach BV. **Fiziol Zh SSSR** 1986 May;72(5):580–4 (Eng. Abstr.) **(Rus)**

[Characteristics of bioelectric reactions of neurons of specific and nonspecific nuclei of the thalamus to electroacupuncture] Durinian RA, et al. **Patol Fiziol Eksp Ter** 1985 Sep–Oct;(5):35–8 (Eng. Abstr.) **(Rus)**

SURGERY

Changes in cerebral blood flow after stereotactic thalamotomy. Kullberg G, et al. **Appl Neurophysiol** 1985; 48(1–6):362–6

Present role of stereotactic thalamotomy for parkinsonism. Retrospective analysis of operative results and thalamic lesions in computed tomograms. Miyamoto T, et al. **Appl Neurophysiol** 1985;48(1–6):294–304

Idiopathic oromandibular dyskinesia treated by Vo complex microstereotactic thalamotomy. Narabayashi H, et al. **Appl Neurophysiol** 1985;48(1–6):309–14

Long-term follow-up results of selective VIM-thalamotomy. Nagaseki Y, et al. **J Neurosurg** 1986 Sep;65(3):296–302

[Visual-form thinking of patients before and after stereotaxic surgery on the ventrolateral nucleus of the thalamus] Gagoshidze TSh, et al. **Zh Nevropatol Psikhiatr** 1985; 85(12):1842–6 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Direct synaptic linkage of ventrolateral nucleus of thalamus terminal with cat fast pyramidal tract neuron. Liu XB, et al. **Brain Res** 1986 Jan 1;362(1):189–91

Cytoarchitecture and ultrastructure of the avian ectostriatum: afferent terminals from the dorsal telencephalon and some nuclei in the thalamus. Watanabe M, et al. **J Comp Neurol** 1985 Jun 8;236(2):241–57

Synaptic terminals in the ventroposterolateral nucleus of the thalamus from neurons in the dorsal column and lateral cervical nuclei: an electron microscopic study in the cat. Blomqvist A, et al. **J Neurocytol** 1985 Dec;14(6):869–86

Synaptic connectivity of a local circuit neurone in lateral geniculate nucleus of the cat. Hamos JE, et al. **Nature** 1985 Oct 17–23;317(6038):618–21

Ultrastructural analysis of the terminals of various somatosensory pathways in the ventrobasal complex of the rat thalamus: an electron-microscopic study using wheatgerm agglutinin conjugated to horseradish peroxidase as an axonal tracer. Peschanski M, et al. **Somatosens Res** 1985;3(1):75–87

THALAMUS

Neuro-ophthalmological findings with neuropathological correlation in bilateral thalamic–mesencephalic infarction. Lepore FE, et al. **J Clin Neuro Ophthalmol** 1985 Dec; 5(4):224–8

Thalamic tumours invading the brain stem produce crossed cerebellar diaschisis demonstrated by PET. Fukuyama H, et al. **J Neurol Neurosurg Psychiatry** 1986 May;49(5):524–8

Primitive neuroectodermal tumor arising from the thalamus of an adult—case report. Kuratsu J, et al. **Neurol Med Chir (Tokyo)** 1986 Jan;26(1):30–4

CT classification of small thalamic hemorrhages and their clinical implications. Kawahara N, et al. **Neurology** 1986 Feb;36(2):165–72

Thalamic infarct and diffuse encephalopathy [letter] Rymer MM. **Neurology** 1986 Jan;36(1):138

[Treatment of tumors of the brain stem in the child by radiotherapy and chemotherapy. Preliminary results] Urgesi A, et al. **Minerva Pediatr** 1985 Oct 31;37(20):779–85 (Eng. Abstr.) **(Ita)**

ANALYSIS

Identification of thalamic neurons with vasoactive intestinal polypeptide-like immunoreactivity in the rat. Kaneko T, et al. **Brain Res** 1985 Nov 18;347(2):390–3

Coexistence of neuropeptides in projection neurons of the thalamus in the cat. Sugimoto T, et al. **Brain Res** 1985 Nov 18;347(2):381–4

Direct projections to the rat pineal gland via the stria medullaris thalami. An anterograde tracing study by use of horseradish peroxidase. Reuss S, et al. **Cell Tissue Res** 1986;244(3):691–4

ANATOMY & HISTOLOGY

The organization of thalamic neurons projecting to the premotor cortex and the caudate nucleus in the cat studied by a fluorescent retrograde double labeling technique. Yanagihara M, et al. **Acta Med Okayama** 1985 Aug; 39(4):329–38

Enlarged limbic structures in the human brain: the anterior thalamus and medial mamillary body. Armstrong E. **Brain Res** 1986 Jan 8;362(2):394–7

Gustatory cortex in the rat. II. Thalamocortical projections. Kosar E, et al. **Brain Res** 1986 Aug 6;379(2):342–52

The vestibulothalamic connections in the rat: a morphological analysis using wheat germ agglutinin–horseradish peroxidase. Nagata S. **Brain Res** 1986 Jun 18;376(1):57–70

The origin, course, and termination of the hippocampothalamic projections in the macaque. Aggleton JP, et al. **J Comp Neurol** 1986 Jan 15;243(3):409–21

Different neuron populations in the feline lateral cervical nucleus: a light and electron microscopic study with the retrograde axonal transport technique. Flink R, et al. **J Comp Neurol** 1986 Aug 15;250(3):265–81

The spinothalamic system of the rat. I. Locations of cells of origin. Granum SL. **J Comp Neurol** 1986 May 8; 247(2):159–80

Organization of the nigrothalamocortical system in the rhesus monkey. Ilinsky IA, et al. **J Comp Neurol** 1985 Jun 15; 236(3):315–30

Noradrenergic and serotoninergic innervation of cortical, thalamic, and tectal visual structures in Old and New World monkeys. Morrison JH, et al. **J Comp Neurol** 1986 Jan 1;243(1):117–38

Habenular connections in the brain of the newt, Triturus cristatus carnifex Laurenti. Clairambault P, et al. **J Hirnforsch** 1986;27(1):111–9

Thalamic projections to the motor and premotor areas in the cat traced with horseradish peroxidase. Katayama T, et al. **J Hirnforsch** 1986;27(1):45–59

Distribution of Met-enkephalin immunoreactive fibres in the thalamus of the cat. Conrath M, et al. **Neurosci Lett** 1986 Apr 24;65(3):299–303

A qualitative and quantitative analysis of the distributions of cells in the spinal cord and spinomedullary junction projecting to the thalamus of the rat. Kemplay SK, et al. **Neuroscience** 1986 Mar;17(3):769–89

Fastigial nucleus projections in the midbrain and thalamus in dogs. Person RJ, et al. **Neuroscience** 1986 May; 18(1):105–20

The organization of thalamic inputs to the "premotor" areas. Strick PL. **Prog Brain Res** 1986;64:99–109 (80 ref.)

[Fiber connections of the thalamus] Niimi K. **Kaibogaku Zasshi** 1985 Jun;60(3):153–64 (71 ref.) (Eng. Abstr.) **(Jpn)**

BLOOD SUPPLY

Syndrome of the paramedian thalamic arteries: clinical and neuroimaging correlation. Biller J, et al. **J Clin Neuro Ophthalmol** 1985 Dec;5(4):217–23

Unilateral left paramedian infarction of thalamus and midbrain: a clinico–pathological study. Bogousslavsky J, et al. **J Neurol Neurosurg Psychiatry** 1986 Jun;49(6):686–94

Syndrome of the mesencephalic artery: report of a case with CT and necropsy findings. Hochman MS, et al. **J Neurol Neurosurg Psychiatry** 1985 Nov;48(11):1179–81

Presentation of bilateral thalamic infarction on CT, MRI and PET. Bewermeyer H, et al. **Neuroradiology** 1985; 27(5):414–9

Unruptured fusiform aneurysms of the posterior circulation with thalamic infarction. Graff-Radford NR, et al. **Neurosurgery** 1985 Sep;17(3):495–9

The syndrome of unilateral tuberothalamic artery territory infarction. Bogousslavsky J, et al. **Stroke** 1986 May–Jun; 17(3):434–41

Amnestic syndrome and vertical gaze palsy: early detection of bilateral thalamic infarction by CT and NMR. Swanson RA, et al. **Stroke** 1985 Sep–Oct;16(5):823–7

Vertical gaze ophthalmoplegia from infarction in the area of the posterior thalamo–subthalamic paramedian artery. Wall M, et al. **Stroke** 1986 May–Jun;17(3):546–55

[Evaluation of the amnesia caused by restricted thalamic infarcts—6 cases] Rousseaux M, et al. **Cortex** 1986 Jun; 22(2):213–28 (Eng. Abstr.) **(Fre)**

[Amnesia in thalamic infarction] Rousseaux M, et al. **Encephale** 1986 Jan–Feb;12(1):19–26 (Eng. Abstr.) **(Fre)**

[Ocular and head movements in infarctions of the thalamic region] Rousseaux M, et al. **Rev Neurol (Paris)** 1985; 141(5):391–403 (Eng. Abstr.) **(Fre)**

[Unilateral and bilateral infarcts in the area supplied by the posterior thalamoperforating artery: neuropathologic findings] Rosberg C, et al. **Nervenarzt** 1986 Jan;57(1):29–34 **(Ger)**

[Clinico-computer tomographic correlations in 3 cases of acute unilateral vascular lesions of the thalamus] Andreani G, et al. **Riv Neurobiol** 1984 Jan–Mar;30(1):22–32 (Eng. Abstr.) **(Ita)**

[Dysphasia and dyscalculia: the sole manifestations of localized left thalamic infarct] Arias M, et al. **Rev Clin Esp** 1985 Oct;177(6):287–9 (Eng. Abstr.) **(Spa)**

CYTOLOGY

Light and electron microscopic evidence of transneuronal labeling with WGA–HRP to trace somatosensory pathways to the thalamus. Peschanski M, et al. **J Comp Neurol** 1985 Jun 1;236(1):29–41

Projections of thalamic gustatory and lingual areas in the monkey, Macaca fascicularis. Pritchard TC, et al. **J Comp Neurol** 1986 Feb 8;244(2):213–28

A morphological investigation of thalamic neurons by intracellular HRP staining in cats. Yamamoto T, et al. **J Comp Neurol** 1985 Jun 15;236(3):331–47

Morphology and electrophysiological properties of reticularis thalami neurons in cat: in vivo study of a thalamic pacemaker. Mulle C, et al. **J Neurosci** 1986 Aug; 6(8):2134–45

The somatosensory thalamus of the raccoon: properties of single neurons responsive to light mechanical stimulation of the forepaw. Warren S, et al. **J Neurosci** 1986 Feb; 6(2):308–17

Responsiveness of ventrobasal thalamic neurons after suppression of S1 cortex in the anesthetized rat. Yuan B, et al. **J Neurosci** 1985 Nov;5(11):2971–8

A model of a thalamic neuron. Rose RM, et al. **Proc R Soc Lond [Biol]** 1985 Aug 22;225(1239):161–93 (33 ref.)

DRUG EFFECTS

Brain dopamine activity following intranigral or intrathalamic drug injections in the rat. Kilpatrick IC, et al. **Brain Res Bull** 1985 Dec;15(6):553–61

Beneficial effect of chronic treatment with Org 2766 and alpha-MSH on impaired reversal learning of rats with bilateral lesions of the parafascicular area. Nyakas C, et al. **Brain Res Bull** 1985 Sep;15(3):257–65

Effects of zonisamide (AD-810) on tungstic acid gel-induced thalamic generalized seizures and conjugated estrogen-induced cortical spike-wave discharges in cats. Ito T, et al. **Epilepsia** 1986 Jul–Aug;27(4):367–74

Actions of opioids on primate spinothalamic tract neurons. Willcockson WS, et al. **J Neurosci** 1986 Sep;6(9):2509–20

[Morphological changes of the terminations of afferent pathways in a neurodegenerative lesion induced by kainic acid] Peschanski M, et al. **C R Acad Sci [III]** 1985; 301(3):83–8 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Cytochrome oxidase staining reveals functional organization of monkey somatosensory thalamus. Jones EG, et al. **Exp Brain Res** 1986;62(2):438–42

GROWTH & DEVELOPMENT

A quantitative analysis of the ipsilateral cerebellothalamic projection following hemicerebellectomy in neonatal rats. A retrograde HRP study. Haroian AJ, et al. **Brain Res** 1986 Apr;391(1):69–78

Control of the development of the ipsilateral retinothalamic projection in Xenopus laevis by thyroxine: results and speculation. Hoskins SG. **J Neurobiol** 1986 May; 17(3):203–29 (125 ref.)

Disparity in hemispheric and thalamic growth in infants undergoing abstinence. Pasto ME, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;67:342–8

METABOLISM

Growth hormone release in man induced by galanin, a new hypothalamic peptide. Bauer FE, et al. **Lancet** 1986 Jul 26;2(8500):192–5

3H-diprenorphine is selective for mu opiate receptors in vivo. Frost JJ, et al. **Life Sci** 1986 Apr 28;38(17):1597–606

Regional differences in mu 1-binding of [3H][D-Ala2,D-Leu5]-enkephalin: comparisons of thalamus and cortex in the rat. Goodman RR, et al. **Neurosci Lett** 1985 Aug 30;59(2):155–8

Effects of chronic morphine treatment on opioid-induced inhibition and facilitation of acetylcholine release in guinea-pig thalamic slices. Beani L, et al. **Pharmacol Res Commun** 1986 Jun;18(6):591–600

PATHOLOGY

A contribution to the anatomical basis of thalamic amnesia. von Cramon DY, et al. **Brain** 1985 Dec;108 (Pt 4):993–1008

Distribution of the tecto-thalamic projection neurons in the hereditary microphthalmic rat. Sugita S, et al. **Exp Brain Res** 1985;60(3):564–75

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 34–1986. A 62-year-old Haitian woman with strokes, renal disease, and abdominal pain. **N Engl J Med** 1986 Aug 28;315(9):567–77

PHYSIOLOGY

The effect of auricular electroacupuncture on the neuronal activity of the thalamic and hypothalamic neurons of the rat. Ishibashi S. **Acupunct Electrother Res** 1986;11(1):15–23

Post-stimulation excitability of mediodorsal thalamic self-stimulation. Bielajew C, et al. **Behav Brain Res** 1985 Sep–Oct;17(2):97–101

Differential control of hypothalamically elicited flight behavior by the midbrain periaqueductal gray in the cat. Brutus M, et al. **Behav Brain Res** 1985 Oct;17(3):235–44

Avoidance learning in rats devoid of the telencephalon plus thalamus. Huston JP, et al. **Behav Brain Res** 1985 Sep–Oct; 17(2):87–95

Hemispheric disconnection and rotational behaviour. Mintz M, et al. **Behav Brain Res** 1985 Oct;17(3):257–63

Subcortical functions in language: a working model. Crosson B. **Brain Lang** 1985 Jul;25(2):257–92 (77 ref.)

Crossed divergent axon collaterals from cerebellar nuclei to thalamus and lateral medulla oblongata in the rat. Bentivoglio M, et al. **Brain Res** 1986 Jan 1;362(1):180–4

Enhancement of glutamate release in the rat striatum following electrical stimulation of the nigrothalamic pathway. Girault JA, et al. **Brain Res** 1986 May 28;

374(2):362–6
Do thalamic regions which project to rostral primate motor cortex receive spinothalamic input? Greenan TJ, et al. **Brain Res** 1986 Jan 8;362(2):384–8
Serotonin innervation of physiologically identified lamina I projection neurons. Hylden JL, et al. **Brain Res** 1986 Apr 9;370(2):401–4
Neuronal activities in ventrobasal complex of thalamus and in trigeminal main sensory nucleus during EEG desynchronization in anesthetized rats. Kanosue K, et al. **Brain Res** 1986 Jul 30;379(1):90–7
Increased collateralization of the cerebellothalamic pathway following neonatal hemicerebellectomy. Molinari M, et al. **Brain Res** 1986 Apr 30;372(1):1–10
Electrophysiological thalamic responses evoked by dopamine-receptor stimulation into the striatum. Patino P, et al. **Brain Res** 1985 Dec 30;361(1–2):1–9
Electrophysiological evidence for a role of the anterolateral quadrant of the spinal cord in the transmission of noxious messages to the thalamic ventrobasal complex in the rat. Peschanski M, et al. **Brain Res** 1985 Sep 2;342(1):77–84
Baclofen attenuates hyperpolarizing not depolarizing responses of caudate neurons in cat. Wilson JS, et al. **Brain Res** 1985 Sep 9;342(2):396–400
Influence of preoptico-anterior and posterior hypothalamus on midline thalamic neurons. Aleem A, et al. **Brain Res Bull** 1986 Apr;16(4):545–8
Non-overlapping thalamocortical projections for separate forepaw digits before and after cortical reorganization in the raccoon. Rasmusson DD, et al. **Brain Res Bull** 1986 Mar;16(3):399–406
Pattern of pyramidal tract collateralization to medial thalamus, lateral hypothalamus and red nucleus in the cat. Canedo A, et al. **Exp Brain Res** 1986;61(3):585–96
Direct retinal pathways to the limbic thalamus of the monkey. Itaya SK, et al. **Exp Brain Res** 1986;61(3):607–13
Morphology, response properties, and collateral projections of trigeminothalamic neurons in brainstem subnucleus interpolaris of rat. Jacquin MF, et al. **Exp Brain Res** 1986; 61(3):457–68
Brainstem control of sensory information: a mechanism for perception. Harth E, et al. **Int J Psychophysiol** 1985 Nov; 3(2):101–19
The projection of three extrathalamic cell groups to the cerebral cortex of the turtle Pseudemys. Ouimet CC, et al. **J Comp Neurol** 1985 Jul 1;237(1):77–84
Corticothalamic connections of the posterior parietal cortex in the rhesus monkey. Yeterian EH, et al. **J Comp Neurol** 1985 Jul 15;237(3):408–26
Axonal regeneration from GABAergic neurons in the adult rat thalamus. Benfey M, et al. **J Neurocytol** 1985 Apr; 14(2):279–96
Proliferation of thalamic afferents in cerebral cortex altered by callosal deafferentation. Vaughan DW, et al. **J Neurocytol** 1985 Oct;14(5):705–16
Effects of unilateral frontal eye-field lesions on eye-head coordination in monkey. van der Steen J, et al. **J Neurophysiol** 1986 Apr;55(4):696–714
Stimulation of the lateral habenula inhibits dopamine-containing neurons in the substantia nigra and ventral tegmental area of the rat. Christoph GR, et al. **J Neurosci** 1986 Mar;6(3):613–9
Intracortical spread of neuronal activities induced by stimulation of recurrent and thalamic afferent pathways compared with epicortical activation. Ezure K, et al. **Jpn J Physiol** 1985;35(2):269–90
Mediation of thalamic sensory input by both NMDA receptors and non-NMDA receptors. Salt TE. **Nature** 1986 Jul 17–23;322(6076):263–5
Vasotocin-like activity of cerebrospinal fluid induced by habenular lesions in cats. Goldstein R. **Neuropeptides** 1985 Jul;6(4):303–10
Organization of receptive fields of tonic and phasic neurons of the pulvinar in the cat. Arutyunyan-Kozak BA, et al. **Neurosci Behav Physiol** 1985 Jul–Aug;15(4):290–5
Neural analysis of temporally patterned sounds in the frog's thalamus: processing of pulse duration and pulse repetition rate. Hall J, et al. **Neurosci Lett** 1986 Jan 30;63(3):215–20
Further evidence for excitatory amino acid transmission in the lateral habenular projection to the rostral raphe nuclei: lesion-induced decrease of high affinity glutamate uptake. Kalén P, et al. **Neurosci Lett** 1986 Jul 11;68(1):35–40
Characterization of neuronal responses in the zona incerta of the subthalamic region of the sheep during ingestion of food and liquid. Kendrick KM, et al. **Neurosci Lett** 1986 Jan 30;63(3):237–42
Two thalamo-telencephalic pathways in a urodele, Triturus alpestris. Wicht H, et al. **Neurosci Lett** 1986 Jul 11; 68(1):90–4
Synaptic organization of the cerebello-thalamo-cerebral pathway in the cat. III. Cerebellar input to corticofugal neurons destined for different subcortical nuclei in areas 4 and 6. Futami T, et al. **Neurosci Res** 1986 May;3(4):321–44
Light and electron microscopic evidence for a direct retinal projection to the pulvinar in the Asiatic chipmunk, Tamias sibricus. Nakagawa S, et al. **Okajimas Folia Anat Jpn** 1986 Jan;62(5):313–21
Kainate and electrolytic lesions of the lateral habenula: effect on avoidance responses. Wilcox KS, et al. **Physiol Behav** 1986;36(3):413–7
Role of the central thalamus in gaze control. Schlag J, et al. **Prog Brain Res** 1986;64:191–201 (28 ref.)
Chromatic properties of the retinal afferents in the thalamus and the tectum of the frog (Rana temporaria). Maximov VV, et al. **Vision Res** 1985;25(8):1037–49
[Regulations on nociceptive responses of nucleus centralis lateralis of thalamus] Lin Y, et al. **Chen Tzu Yen Chih** 1985; 10(4):274–7 (Eng. Abstr.) (Chi)
[Effect of stimulation of SII or electroacupuncture on nociceptive responses of CM neurons of thalamus after lesion of the head of caudatum] Xu W, et al. **Chen Tzu Yen Chih** 1985;10(4):278–82 (Eng. Abstr.) (Chi)
[Responses of the nucleus centrum medianum of the thalamus to stimulation of deep somatic nerves in cats] Lo FS, et al. **Sheng Li Hsueh Pao** 1985 Apr;37(2):113–9 (Eng. Abstr.) (Chi)
[Inhibitory effect on nociceptive discharges of parafascicular neurones of thalamus by electrical stimulation of nucleus centrum medianum at different frequencies] Lo FS, et al. **Sheng Li Hsueh Pao** 1985 Feb;37(1):1–9 (Eng. Abstr.) (Chi)
[Effects of stimulation of the rabbit caudate nucleus on units responsive to noxious stimuli in the parafascicular nucleus of the thalamus] Tong ZQ, et al. **Sheng Li Hsueh Pao** 1985 Apr;37(2):128–36 (Eng. Abstr.) (Chi)
[Effect of muscimol (GABA-agonist) on thalamo-hypothalamic regulation by corticotropic efferents (thalamic model)] Ramade F, et al. **C R Soc Biol (Paris)** 1985;179(3):383–8 (Eng. Abstr.) (Fre)
[Role of the pulvinar lateralis posterior complex on the rotation response. Relation with other cerebral structures. Pharmacological systems involved in this behavior] Motles E, et al. **Acta Physiol Pharmacol Latinoam** 1985; 35(2):237–49 (Eng. Abstr.) (Spa)

PHYSIOPATHOLOGY

There is less thalamic degeneration in neonatal-lesioned than in adult-lesioned cats after cerebral hemispherectomy. Villablanca JR, et al. **Brain Res** 1986 Mar 19;368(2):211–25
Localization in human thalamus of units triggered during 'verbal commands,' voluntary movements and tremor. Raeva S. **Electroencephalogr Clin Neurophysiol** 1986 Feb; 63(2):160–73
Somatosensory systems and the milk-ejection reflex in the rat. II. The effects of lesions in the ventroposterior thalamic complex, dorsal columns and lateral cervical nucleus-dorsolateral funiculus. Dubois-Dauphin M, et al. **Neuroscience** 1985 Aug;15(4):1131–40

RADIOGRAPHY

Symmetrical low density areas in bilateral thalami in an infant with measles encephalitis. Ochi J, et al. **Comput Radiol** 1986 Mar–Jun;10(2–3):137–9
Symmetrical thalamic low densities in descending transtentorial herniation. Nagashima C, et al. **Surg Neurol** 1986 Jan;25(1):29–32

SURGERY

Disappearance of parkinsonian signs after spontaneous vascular 'thalamotomy'. Dubois B, et al. **Arch Neurol** 1986 Aug;43(8):815–7
Disturbances of the temporal organization of speech following bilateral thalamic surgery in a patient with Parkinson's disease. Canter GJ, et al. **J Commun Disord** 1985 Oct;18(5):329–49
[Stereotactic selective thalamotomy for tremor] Ohye C. **No Shinkei Geka** 1985 Jul;13(7):707–16 (Jpn)

ULTRASTRUCTURE

Terminals of intralaminar thalamic neurons in the pallidum externum of Saimiri sciureus. Lee BH, et al. **Acta Anat (Basel)** 1985;123(1):1–8
Ultrastructural morphology of thalamic cytoplasmic inclusion bodies in El mouse. Sato H, et al. **Exp Neurol** 1986 Jul;93(1):160–7

THALASSEMIA

BLOOD

Limitations of red blood cell distribution width (RDW) in evaluation of microcytosis. Flynn MM, et al. **Am J Clin Pathol** 1986 Apr;85(4):445–9
Vitamin B12, folate, and iron studies in homozygous beta thalassemia. Kumar R, et al. **Am J Clin Pathol** 1985 Nov; 84(5):668–71
The level of Hb F-Sardinia (alpha 2A gamma 2(75)Ile——Thr) in the fetal hemoglobin of Sardinian beta-thalassemic homozygotes determined by isoelectric focusing. Masala B, et al. **Am J Hematol** 1986 Apr; 21(4):367–76
Glucose tolerance test and insulin levels in children with transfusion-dependent thalassaemia. Lee BW, et al. **Ann Trop Paediatr** 1985 Dec;5(4):215–8
The contribution of red cell morphology to the diagnosis of beta-thalassemia trait. Joishy SK, et al. **Blood Cells** 1986; 11(3):367–74
Red cell volume distribution curves and intracellular globin chain precipitation in the alpha-thalassaemic mouse, Hbath-J. Wickramasinghe SN, et al. **Br J Exp Pathol** 1986 Feb;67(1):73–83
Iron overload in subjects with beta-thalassaemia trait: role of idiopathic haemochromatosis gene. Fargion S, et al. **Br J Haematol** 1985 Nov;61(3):487–90
Adult 'fetal-like' erythropoiesis characterizes recovery from bone marrow transplantation. Weinberg RS, et al. **Br J Haematol** 1986 Jul;63(3):415–24
Alpha thalassaemia and the haematology of normal Jamaican children. Maude GH, et al. **Clin Lab Haematol** 1985; 7(4):289–95
Hb Lepore-Hb C and Hb Lepore-beta 0-thalassemia compound heterozygotes in an Algerian family. Francina A, et al. **Hemoglobin** 1985;9(5):505–8
Hb Chapel Hill or alpha 274(EF3)Asp——Gly beta 2 observed in a Chinese family in association with beta-thalassemia. Hsu L, et al. **Hemoglobin** 1986; 10(1):77–86
The effect of alpha-thalassemia on the level of hybrid hemoglobin variants in heterozygotes. Lanclos KD, et al. **Hemoglobin** 1986;10(4):401–16
Hemoglobin San Diego/beta zero thalassemia in a Greek adult. Loukopoulos D, et al. **Hemoglobin** 1986;10(2):143–59
Normal production of the mutant hemoglobin in heterozygotes for hemoglobin J-Paris and beta-thalassemia. McCormack MK, et al. **Hemoglobin** 1986; 10(4):427–32
Hb G-Szuhu or alpha 2 beta 2(80)(EF4)Asn——Lys, in combination with beta zero-thalassemia in a Spanish family. Romero C, et al. **Hemoglobin** 1985;9(5):535–9
Haemoglobin A2 levels in normal subjects & beta-thalassaemia traits by microchromatography. Ghosh K, et al. **Indian J Med Res** 1985 Jul;82:32–7
Folate status in beta-thalassemia minor. Froom P, et al. **Isr J Med Sci** 1985 Oct;21(10):845–6
Impaired growth hormone (GH) response to GH-releasing hormone in thalassemia major. Pintor C, et al. **J Clin Endocrinol Metab** 1986 Feb;62(2):263–7
Iron state in alpha and beta thalassaemia trait. White JM, et al. **J Clin Pathol** 1986 Mar;39(3):256–9
Host-associated iron transfer factor in normal humans and patients with transfusion siderosis. Jones RL, et al. **J Lab Clin Med** 1986 May;107(5):431–8
Osmotic fragility test in heterozygotes for alpha and beta thalassaemia. Maccioni L, et al. **J Med Genet** 1985 Oct; 22(5):374–6
Proline, hydroxyproline, and ascorbic acid in thalassemia major [letter] Romeo MA, et al. **J Pediatr** 1986 Aug; 109(2):399
Regulation of circulating 1 alpha,25-dihydroxyvitamin D in beta-thalassemia [letter] Dandona P, et al. **N Engl J Med** 1986 Mar 13;314(11):715–6
Thalassemia in Japan. Imamura T, et al. **Nippon Ketsueki Gakkai Zasshi** 1985 Dec;48(8):2029–37
Influence of alpha thalassaemia on haematological parameters in Polynesian patients. Mickleson KN, et al. **NZ Med J** 1985 Dec 11;98(792):1036–8
Monocyte ferritin in idiopathic haemochromatosis, thalassaemia and liver disease. Saab G, et al. **Scand J Haematol** 1986 Jan;36(1):65–70
Anti-HTLV-III screening in multitransfused thalassemia patients [letter] Zanella A, et al. **Vox Sang** 1986;50(3):192
Reduced development of Plasmodium falciparum in beta-thalassaemic erythrocytes. Kaminsky R, et al. **Z Parasitenkd** 1986;72(4):553–6
[Is there sufficient awareness of thalassemia syndromes? A screening method for these hereditary disorders] van Waveren Hogervorst GD, et al. **Ned Tijdschr Geneeskd** 1986 Jan 11;130(2):68–72 (Eng. Abstr.) (Dut)
[History of thalassemia] Lehmann H. **Ann Pediatr (Paris)** 1985 Nov;32(9):745–51 (Fre)
[Intrathoracic extra-bone marrow hematopoiesis. Apropos of a case with thalassemia intermedia] Ghezel S, et al. **Rev Pneumol Clin** 1986;42(2):110–4 (Eng. Abstr.) (Fre)
[Assay of erythrocyte zinc-protoporphyrin in patients with Cooley's disease] Cocuzza S, et al. **Boll Soc Ital Biol Sper** 1986 Mar 31;62(3):329–33 (Eng. Abstr.) (Ita)
[Determination of erythrocyte zinc-protoporphyrin in patients with thalassemia intermedia] Cocuzza S, et al. **Boll Soc Ital Biol Sper** 1986 Apr 30;62(4):435–8 (Eng. Abstr.) (Ita)
[Determination of intra-erythrocyte K in subjects with thalassemia major—methodological considerations] Fradà G, et al. **Boll Soc Ital Biol Sper** 1985 Jul 30;61(7):1059–65 (Eng. Abstr.) (Ita)
[Blood gas analysis findings at rest and after exertion in adult patients with beta-thalassemia intermedia: preliminary observations] Montaldo PL, et al. **Cardiologia** 1982; 27(1):65–8 (Ita)
[The role of vitamin E in the therapy of thalassemia] Bianco L, et al. **Pediatr Med Chir** 1986 Jan–Feb;8(1):23–6 (Eng. Abstr.) (Ita)
[Evaluation of iron overload in thalassemia] Piga A, et al. **Pediatr Med Chir** 1986 Jan–Feb;8(1):9–13 (Eng. Abstr.) (Ita)
[Value of various hematologic indexes proposed for identifying healthy carriers of the beta-thalassemic trait] Soffritti E, et al. **Quad Sclavo Diagn** 1985 Dec;21(4):447–54 (Eng. Abstr.) (Ita)
[A case of acquired hemoglobin H disease] Oshimi K, et al. **Rinsho Ketsueki** 1985 Nov;26(11):1845–8 (Eng. Abstr.) (Jpn)
[Diagnostic value of determining the ferritin level in the

serum and erythrocytes of patients with homozygous beta-thalassemia] Andreeva AP, et al. **Gematol Transfuziol** 1986 Mar;31(3):12-5 (Eng. Abstr.) **(Rus)**

[Thalassemia trait in the pediatric age and body iron status] Abreu de Miani MS, et al. **Sangre (Barc)** 1986;31(1):1-6 (Eng. Abstr.) **(Spa)**

[Evaluation of serum ferritin in the A2 and F thalassemic syndromes] Mira Y, et al. **Sangre (Barc)** 1985;30(6):965-70 (Eng. Abstr.) **(Spa)**

[Glycosylated hemoglobin in carriers of the beta and delta beta thalassemic traits (letter)] Vayá A, et al. **Sangre (Barc)** 1986;31(2):219-20 **(Spa)**

CLASSIFICATION

Hereditary persistence of fetal hemoglobin or (delta beta)o-thalassemia: three types observed in South-Chinese families. Zeng YT, et al. **Blood** 1985 Dec;66(6):1430-5

COMPLICATIONS

The effect of Hb F and alpha-thalassemia on the red cell indices in sickle cell anemia. Milner PF, et al. **Am J Hematol** 1986 Apr;21(4):383-95

Hemoglobin SC disease and alpha-thalassemia. Prolonged survival and mild clinical course. Rodgers GP, et al. **Am J Med** 1986 Apr;80(4):746-50

Macular arteriolar occlusions in sickle cell beta-thalassemia. Westrich DJ, et al. **Am J Ophthalmol** 1986 Jun 15; 101(6):739-40

Alpha thalassemia and the hematology of homozygous sickle cell disease in childhood. Stevens MC, et al. **Blood** 1986 Feb;67(2):411-4

Recurrent priapism following splenectomy for thalassaemia intermedia. Jackson N, et al. **Br J Surg** 1986 Aug;73(8):678

The marrow heterotopia in thalassemia. Papavasiliou C, et al. **Eur J Radiol** 1986 May;6(2):92-6

Association of Hb H disease with sickle-trait. Martinez G, et al. **Hemoglobin** 1986;10(4):421-5

Thalassemia and distal renal tubular acidosis [letter] Barakat AY. **Int J Pediatr Nephrol** 1986 Apr-Jun;7(2):125

Aplastic and hypoplastic episodes in sickle cell disease and thalassaemia intermedia. Brownell AI, et al. **J Clin Pathol** 1986 Feb;39(2):121-4

Human parvovirus and thalassaemia. Lefrere JJ, et al. **J Infect** 1986 Jul;13(1):45-9

The heart in thalassemia: a comprehensive review. Sahasakul Y, et al. **J Med Assoc Thai** 1985 Oct;68(10):517-27 (77 ref.)

Survival of a hydropic infant with homozygous alpha-thalassemia-1. Beaudry MA, et al. **J Pediatr** 1986 May;108(5 Pt 1):713-6

Growth and sexual maturation in thalassemia [letter] Loche S. **J Pediatr** 1985 Oct;107(4):642-3

Monoclonal gammopathy in beta thalassaemia. Dash S, et al. **Jpn J Med** 1986 Feb;25(1):57-8

Decreased bone magnesium in beta thalassemia with spinal osteoporosis. Cohen L, et al. **Magnesium** 1986;5(1):43-6

Curable paraplegia [letter] Abbasioun K, et al. **Neurosurgery** 1985 Sep;17(3):528

Cardiac siderosis in thalassemia major. Zaino EC. **NY State J Med** 1985 Aug;85(8):513-5

The thalassemias: oral manifestations and complications. Van Dis ML, et al. **Oral Surg Oral Med Oral Pathol** 1986 Aug; 62(2):229-33

Osteoarthropathy in thalassemia minor. Redman DS, et al. **Orthopedics** 1985 Jan;8(1):81-3

Fatal septicemia caused by Yersinia enterocolitica in thalassemia major. Pérez Trallero E, et al. **Pediatr Infect Dis** 1986 Jul-Aug;5(4):483-5

Compressive myelopathy. An unusual presentation of B-thalassaemia intermedia [letter] Ghosh K, et al. **Scand J Haematol** 1985 Sep;35(3):376

[A case of beta-thalassemia major with mediastinal hematopoietic tumor and pulmonary hypertension] Wu TJ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Mar;85(3):315-20 (Eng. Abstr.) **(Chi)**

[Mediastinal adenopathy as a sign of sarcoidosis in a child with sickle cell-thalassemia] Guillaud R, et al. **Ann Pediatr (Paris)** 1986 Jan;33(1):67-70 (Eng. Abstr.) **(Fre)**

[Erythroblastopenia in a child during treatment of a neuroblastoma] Gardrat B, et al. **Arch Fr Pediatr** 1985 Dec; 42(10):839-42 (Eng. Abstr.) **(Fre)**

[Acute erythroblastopenia disclosing homozygous beta-thalassemia. Role of parvovirus infection] Leblanc A, et al. **Presse Med** 1985 Oct 5;14(33):1743-5 (Eng. Abstr.) **(Fre)**

[Continuous subcutaneous deferoxamine infusions in thalassemia major. Improvement in glucose tolerance] Krüger N, et al. **Dtsch Med Wochenschr** 1986 May 2; 111(18):698-701 (Eng. Abstr.) **(Ger)**

[Severe cardiomyopathy in a woman with intermediate beta-thalassemia. Regression of cardiac failure with desferrioxamine] Mancuso L, et al. **G Ital Cardiol** 1985 Sep; 15(9):916-20 (Eng. Abstr.) **(Ita)**

[Hepatic and splenic echography and scintigraphy in patients with beta-thalassemia given multiple transfusions] Agnello D, et al. **Minerva Pediatr** 1985 Sep 15;37(17):587-92 (Eng. Abstr.) **(Ita)**

[Demonstration of biliary lithiasis in sickle-cell anemia and thalassemia major using ultrasonics] Cottafava F, et al. **Minerva Pediatr** 1986 Jan 31;38(1-2):37-40 (Eng. Abstr.) **(Ita)**

[Thalassemia major. Presentation of a long-surviving case with numerous complications of hemosiderosis (diabetes, dwarfism, hypogonadism, severe myocardiopathy, cholelithiasis)] Cottafava F, et al. **Minerva Pediatr** 1986 Jan 31;38(1-2):41-8 (Eng. Abstr.) **(Ita)**

[Endocrine changes in thalassemia major] Sinisi AA, et al. **Minerva Pediatr** 1986 May 31;38(10):375-83 (Eng. Abstr.) **(Ita)**

[Clinico-therapeutic findings on diabetic complications in thalassemia] Colli G, et al. **Pediatr Med Chir** 1984 Nov-Dec;6(6):765-7 (Eng. Abstr.) **(Ita)**

[Yersinia enterocolitica sepsis in splenectomized thalassemic subjects. Description of 2 cases] Rasore-Quartino A, et al. **Pediatr Med Chir** 1986 Jan-Feb;8(1):121-4 (Eng. Abstr.) **(Ita)**

[Aseptic necrosis of the head of the femur in Cooley's disease] Orzincolo C, et al. **Radiol Med (Torino)** 1986 Mar; 72(3):102-4 (Eng. Abstr.) **(Ita)**

[Hemoglobinosis E associated with beta- and alpha-thalassemia in a Vietnamese family] Van KhT, et al. **Gematol Transfuziol** 1986 Jul;31(7):46-50 (Eng. Abstr.) **(Rus)**

[Yersinia enterocolitica septicemia in a thalassemic girl] Arístegui J, et al. **An Esp Pediatr** 1985 Jul;23(1):51-8 (Eng. Abstr.) **(Spa)**

[Homozygous beta thalassemia and death in cardiac insufficiency (anatomoclinical conference)] **Medicina (B Aires)** 1984;44(3):296-304 **(Spa)**

[Spinal compression in a thalassemic patient] Pallotta MG, et al. **Sangre (Barc)** 1985;30(5):921-6 (Eng. Abstr.) **(Spa)**

CONGENITAL

Hydrops fetalis secondary to Bart hemoglobinopathy. Nakayama R, et al. **Obstet Gynecol** 1986 Feb;67(2):176-80

DIAGNOSIS

Abnormal haemoglobins and thalassaemia: methods and control. Stephens AD. **Acta Haematol (Basel)** 1985; 74(1):1-5

Discrimination between iron deficiency and heterozygous beta-thalassemia in children. Aghai E, et al. **Am J Clin Pathol** 1986 Jun;85(6):710-2

High-performance liquid chromatography in the diagnosis of hemoglobinopathies and thalassemias. Report of three cases. Rogers BB, et al. **Am J Clin Pathol** 1985 Nov; 84(5):671-4

Antenatal diagnosis of beta-thalassemia by isoelectric focusing in immobilized ph gradients. Manca M, et al. **Am J Hematol** 1986 Jul;22(3):285-93

The prenatal diagnosis of thalassaemia. Cao A, et al. **Br J Haematol** 1986 Jun;63(2):215-20

Prenatal diagnosis of thalassemia and of the hemoglobinopathies; a review. Loukopoulos D. **Hemoglobin** 1985;9(5):435-59 (71 ref.)

Prenatal diagnosis of the common haemoglobin disorders. Weatherall DJ, et al. **J Med Genet** 1985 Dec;22(6):422-30 (32 ref.)

Fetal diagnosis of beta-thalassaemia by DNA analysis in Italy [letter] Camaschella C, et al. **Lancet** 1986 Feb 15; 1(8477):390

Prenatal diagnosis of most common Mediterranean beta-thalassaemia mutants [letter] Loi A, et al. **Lancet** 1986 Feb 1;1(8475):274

Antenatal diagnosis of severe beta thalassemia during the first trimester of pregnancy. Trent RJ, et al. **Pathology** 1985 Oct;17(4):568-72

Prenatal diagnosis of thalassemia major by fetal blood analysis: experience with 1000 cases. Cao A, et al. **Prenat Diagn** 1986 May-Jun;6(3):159-67

First trimester diagnosis of beta-thalassaemia in a twin pregnancy. Monni G, et al. **Prenat Diagn** 1986 Jan-Feb; 6(1):63-8

First-trimester prenatal diagnosis of severe alpha-thalassemia. Wang LM, et al. **Prenat Diagn** 1986 Mar-Apr;6(2):89-95

Chorionic villus sampling for first trimester diagnosis of beta-thalassaemia. Report of the first South African case. Ramsay M, et al. **S Afr Med J** 1985 Oct 26;68(9):672-5

Detection of single base substitutions by ribonuclease cleavage at mismatches in RNA:DNA duplexes. Myers RM, et al. **Science** 1985 Dec 13;230(4731):1242-6

[First-trimester fetal diagnosis of alpha-thalassemia] Wu GY, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Dec;6(6):389-93 (Eng. Abstr.) **(Chi)**

[Methodical approaches in hemoglobinopathies. I. Searching for abnormal hemoglobins and other hemoglobinopathies] Fořtová H. **Vnitr Lek** 1985 Sep;31(9):901-7 (Eng. Abstr.) **(Cze)**

[Contribution of hemoglobin synthesis in vitro to the diagnosis of thalassemia] Sellami M, et al. **Arch Inst Pasteur Tunis** 1984 Jun-Sep;61(2-3):131-8 (Eng. Abstr.) **(Fre)**

[Prenatal diagnosis of thalassemia: experience in Piedmont] Gabutti V, et al. **Minerva Pediatr** 1985 Sep 15;37(17):625-7 **(Ita)**

[England's index in microcytosis (letter)] Juncà Piera J, et al. **Med Clin (Barc)** 1985 Nov 30;85(18):773 **(Spa)**

DRUG THERAPY

Ocular and auditory toxicity of long-term, high-dose subcutaneous deferoxamine therapy. Orton RB, et al. **Can J Ophthalmol** 1985 Jun;20(4):153-6

[Continuous subcutaneous deferoxamine treatment in thalassemia major. Decrease of hemosiderosis and improvement of liver function] Krüger N, et al. **Dtsch Med Wochenschr** 1985 Nov 29;110(48):1848-51 (Eng. Abstr.) **(Ger)**

[Longitudinal growth of patients with homozygote beta-thalassemia during continuous subcutaneous infusion of deferoxamine] Krüger N, et al. **Dtsch Med Wochenschr** 1986 Jan 31;111(5):176-81 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Presidential address. Iron deficiency--a cause of high prevalence of beta thalassemia in India? Mehta BC. **J Assoc Physicians India** 1985 May;33(5):317-20

[Transient erythroblastopenia in childhood--immune suppression of erythroid progenitor cells in the presence of the patient's serum] Tachibana N, et al. **Rinsho Ketsueki** 1985 Sep;26(9):1486-90 (Eng. Abstr.) **(Jpn)**

FAMILIAL & GENETIC

Biological distances in dermatoglyphics of beta-thalassemic subjects. Gualdi Russo E. **Acta Anthropogenet** 1984; 8(3-4):223-30

Studies on sickle cell heterozygotes in Saudi Arabia--interaction with alpha-thalassaemia. el-Hazmi MA. **Acta Haematol (Basel)** 1986;75(2):100-4

Clinical manifestation and laboratory findings of sickle cell anaemia in association with alpha-thalassaemia in Saudi Arabia. el-Hazmi MA. **Acta Haematol (Basel)** 1985; 74(3):155-60

Alpha globin gene triplication in severe heterozygous beta thalassemia. Henni T, et al. **Acta Haematol (Basel)** 1985; 74(4):236-9

Linkage of the alpha G Philadelphia locus to alpha-thalassemia in the Cuban population. Martinez G, et al. **Acta Haematol (Basel)** 1985;74(3):186-8

Hemoglobin Knossos: a clinical, laboratory, and epidemiological study. Fessas P, et al. **Am J Hematol** 1986 Feb;21(2):119-33

Sickle cell anemia associated with alpha-thalassemia in Malaysian Indians. Lie-Injo LE, et al. **Am J Hematol** 1986 Jul;22(3):265-74

The beta zero-thalassemia in an American black family is due to a single nucleotide substitution in the acceptor splice junction of the second intervening sequence. Padanilam BJ, et al. **Am J Hematol** 1986 Jul;22(3):259-63

Concomitant inheritance of alpha-thalassemia in beta 0-thalassemia/Hb E disease. Winichagoon P, et al. **Am J Hematol** 1985 Nov;20(3):217-22

Identification of a beta-thalassemia mutation associated with a novel haplotype of RFLPs. Atweh GF, et al. **Am J Hum Genet** 1986 Jun;38(6):855-9

The William Allan Memorial Award address: Thalassemia: molecular mechanism and detection. Kan YW. **Am J Hum Genet** 1986 Jan;38(1):4-12

Characterization of a spontaneous mutation to a beta-thalassemia allele. Kazazian HH Jr, et al. **Am J Hum Genet** 1986 Jun;38(6):860-7

Heterogeneity of beta thalassemia [letter] Schilirò G, et al. **Am J Med Genet** 1986 May;24(1):199

alpha-Thalassemia hydrops fetalis: clinical and ultrasonographic considerations. Guy G, et al. **Am J Obstet Gynecol** 1985 Nov 1;153(5):500-4

Bipolar affective disorder and thalassemia minor [letter] Joffe RT, et al. **Am J Psychiatry** 1986 Jul;143(7):933

Genetic counseling of asymptomatic carriers in a primary care setting. The effectiveness of screening and counseling for beta-thalassemia trait. Lipkin M Jr, et al. **Ann Intern Med** 1986 Jul;105(1):115-23

Triose phosphate isomerase deficiency: report of a family. Clark AC, et al. **Aust Paediatr J** 1986 May;22(2):135-7

Homozygous hemoglobin Knossos (alpha 2 beta 227(B9) Ala——Ser): a new variety of beta+-thalassemia intermedia associated with delta degree-thalassemia. Baklouti F, et al. **Blood** 1986 Apr;67(4):957-61

Use of oligonucleotide hybridization in the characterization of a beta zero-thalassemia gene (beta 37 TGG——TGA) in a Saudi Arabian family. Boehm CD, et al. **Blood** 1986 Apr;67(4):1185-8

The -158 site 5' to the G gamma gene and G gamma expression. Labie D, et al. **Blood** 1985 Dec;66(6):1463-5

A new gene deletion in the alpha-like globin gene cluster as the molecular basis for the rare alpha-thalassemia-1(--/alpha alpha) in blacks: HbH disease in sickle cell trait. Steinberg MH, et al. **Blood** 1986 Feb; 67(2):469-73

A novel mutation in the TATA box in a Japanese patient with beta +-thalassemia. Takihara Y, et al. **Blood** 1986 Feb;67(2):547-50

G gamma A gamma(delta beta)zero-thalassaemia and a new form of gamma globin gene triplication identified in the Yugoslavian population. Efremov GD, et al. **Br J Haematol** 1986 May;63(1):17-28

Alpha globin genotypes in two North European populations [letter] Flint J, et al. **Br J Haematol** 1986 Aug;63(4):796-7

Molecular pathology of haemoglobin H disease in Sardinians. Paglietti E, et al. **Br J Haematol** 1986 Jul;63(3):485-96

Interaction of five globin gene abnormalities in a Cambodian family. Simpkins H, et al. **Br J Haematol** 1986 May; 63(1):7–15

The Ava II psi beta polymorphism is linked to the common Mediterranean beta + thalassaemia mutation [letter] Thein SL, et al. **Br J Haematol** 1985 Dec;61(4):747–8

The molecular basis of HbH disease in Greece. Tzotzos S, et al. **Br J Haematol** 1986 Jun;63(2):263–71

Feasibility of prenatal diagnosis of beta thalassaemia by DNA polymorphisms in an Italian population. Wainscoat JS, et al. **Br J Haematol** 1986 Mar;62(3):495–500

Beta-thalassemia in Chinese—analysis of polymorphic restriction site haplotypes in the beta-globin gene cluster. Huang SZ, et al. **Chin Med J [Engl]** 1985 Dec;98(12):881–6

Hematological phenotype of carriers of deletion alpha-thalassemia according to the alpha-globin genotype. Galanello R, et al. **Haematologica (Pavia)** 1985 May–Jun; 70(3):191–8

Iron status and anemia in thalassemic Sardinian carriers. Pardini S, et al. **Haematologica (Pavia)** 1986 Jan–Feb; 71(1):17–9

Double heterozigosity HbE/alpha-thalassemia in a Cambodian child. Perutelli P, et al. **Haematologica (Pavia)** 1986 Jan–Feb;71(1):44–5

Homozygosity for a new type of G gamma (A gamma delta beta)zero-thalassemia in a Malaysian male. George E, et al. **Hemoglobin** 1986;10(4):353–63

Characteristics and distribution of beta thalassemia haplotypes in South China. Chan V, et al. **Hum Genet** 1986 May;73(1):23–6

Frequency and types of deletional alpha+-thalassemia in northern Sardinia. Di Rienzo A, et al. **Hum Genet** 1985; 71(2):147–9

Heterogeneity of the alpha-globin gene defects in German alpha-thalassemia affected families. Griese EU, et al. **Hum Genet** 1985;71(2):134–7

The frequency of the gamma chain variant A gamma T in different populations, and its use in evaluating gamma gene expression in association with thalassemia. Huisman TH, et al. **Hum Genet** 1985;71(2):127–33

Heterogeneity of haplotypes among patients with severe Cooley disease in Eastern Sicily. Lombardo M, et al. **Hum Genet** 1986 Feb;72(2):145–7

Beta A and beta thal DNA haplotypes in Sicily. Maggio A, et al. **Hum Genet** 1986 Mar;72(3):229–30

Molecular characterization of HbH disease in the Cuban population. Martinez G, et al. **Hum Genet** 1986 Apr; 72(4):318–9

DNA-polymorphic patterns linked to the beta-globin genes in German families affected with hemoglobinopathies and thalassemias: a comparison to other ethnic groups. Oehme R, et al. **Hum Genet** 1985;71(3):219–22

Glutathione reductase deficiency in association with sickle cell and thalassaemia genes in Saudi populations. el-Hazmi MA, et al. **Hum Hered** 1985;35(5):326–32

Erythrocyte glucose-6-phosphate dehydrogenase deficiency & thalassaemic genes in the scheduled castes of Rajasthan. Choubisa SL. **Indian J Med Res** 1985 Dec;82:554–8

Alpha thalassaemia in an Irish family—a previously unreported finding. Carr BM, et al. **Ir J Med Sci** 1985 Sep;154(9):361–3

A 66-base pair insert bridges the deletion responsible for a mouse model of beta-thalassemia. Goldberg SZ, et al. **J Biol Chem** 1986 Sep 15;261(26):12368–74

A distant gene deletion affects beta-globin gene function in an atypical gamma delta beta-thalassemia. Curtin P, et al. **J Clin Invest** 1985 Oct;76(4):1554–8

Compensatory increase in alpha 1-globin gene expression in individuals heterozygous for the alpha-thalassemia-2 deletion. Liebhaber SA, et al. **J Clin Invest** 1985 Sep; 76(3):1057–64

Familial human parvovirus infection associated with anemia in siblings with heterozygous beta-thalassemia. Lefrere JJ, et al. **J Infect Dis** 1986 May;153(5):977–9

Survey on haemoglobin variants, beta thalassaemia, glucose-6-phosphate dehydrogenase deficiency, and haptoglobin types in Turks from western Thrace. Aksoy M, et al. **J Med Genet** 1985 Aug;22(4):288–90

Meiotic recombination between two polymorphic restriction sites within the beta globin gene cluster. Old JM, et al. **J Med Genet** 1986 Feb;23(1):14–8

Red cell genetic abnormalities in Peninsular Arabs: sickle haemoglobin, G6PD deficiency, and alpha and beta thalassaemia. White JM, et al. **J Med Genet** 1986 Jun; 23(3):245–51

The first observation of Hb D Punjab beta zero thalassaemia in an English family with 22 cases of unsuspected beta zero thalassaemia minor among its members. Worthington S, et al. **J Med Genet** 1985 Oct;22(5):377–81

Spontaneous mutation in beta-thalassaemia producing the same nucleotide substitution as that in a common hereditary form. Chehab FF, et al. **Lancet** 1986 Jan 4;1(8471):3–5

Linkage between fetal A gamma globin chain polymorphism and DNA polymorphism of the human beta gene cluster in beta thalassaemia. Beldjord C, et al. **Mol Biol Med** 1984 Aug;2(4):301–6

Posterior mediastinal masses in two siblings with hemoglobin E-beta thalassemia. Weinberg B, et al. **Mt Sinai J Med (NY)** 1986 Feb;53(2):154–6

Embryonic zeta-globin chains in adults: a marker for alpha-thalassemia-1 haplotype due to a greater than 17.5-kb deletion. Chui DH, et al. **N Engl J Med** 1986 Jan 9;314(2):76–9

High frequencies of alpha-thalassaemia are the result of natural selection by malaria. Flint J, et al. **Nature** 1986 Jun 19–25;321(6072):744–50

Gene analysis in thalassemia: molecular defects of delta beta- and beta-thalassemias. Fukumaki Y. **Nippon Ketsueki Gakkai Zasshi** 1985 Dec;48(8):1982–92

Haplotype VI associated beta + thalassaemia intermedia. First Italian case. Lombardo T, et al. **Nouv Rev Fr Hematol** 1986;28(1):19–22

A Chinese G gamma + (A gamma delta beta)zero thalassemia deletion: comparison to other deletions in the human beta-globin gene cluster and sequence analysis of the breakpoints. Mager DL, et al. **Nucleic Acids Res** 1985 Sep 25;13(18):6559–75

Alpha-thalassemia due to the deletion of nucleotides -2 and -3 preceding the AUG initiation codon affects translation efficiency both in vitro and in vivo. Morle F, et al. **Nucleic Acids Res** 1986 Apr 25;14(8):3279–92

Hb H disease. Untario S, et al. **Paediatr Indones** 1986 Jan–Feb;26(1–2):35–42

Characterization of G6PD deficiency and thalassaemia in Papua New Guinea. Yenchitsomanus P, et al. **Papua New Guinea Med J** 1986 Mar;29(1):53–8

(delta beta) zero thalassemia of the Southern Italian type. Its geographical origin and interaction with the sickle cell gene. Trent RJ, et al. **Pathology** 1986 Jan;18(1):117–22

On the origin and spread of beta-thalassemia: recurrent observation of four mutations in different ethnic groups. Wong C, et al. **Proc Natl Acad Sci USA** 1986 Sep; 83(17):6529–32

Restriction fragment length polymorphism of the human beta-globin gene cluster: analysis of a beta-thalassemic family in Taiwan. Ma C, et al. **Proc Natl Sci Counc Repub China [B]** 1986 Jan;10(1):6–12

An anthropological perspective on the epidemiology of hemoglobin defects and glucose-6-phosphate dehydrogenase deficiencies in the northern half of the African continent. Lefèvre-Witier P. **Prog Clin Biol Res** 1985;194:367–97 (57 ref.)

Clinical severity of non-deletion form of HbH disease (--Med/alpha alpha thal). Di Marzo R, et al. **Scand J Haematol** 1986 Jan;36(1):39–43

Kinetics of heat-damaged homologous red blood cells in patients with homozygous beta-thalassemia in relation to blood transfusion. Germenis A, et al. **Scand J Haematol** 1986 May;36(5):450–6

Molecular defects in 2 examples of severe Hb H disease. Trent RJ, et al. **Scand J Haematol** 1986 Mar;36(3):272–9

The innate resistance of thalassaemia to malaria: a review of the evidence and possible mechanisms. Teo CG, et al. **Singapore Med J** 1985 Dec;26(7):504–9 (72 ref.)

A study of alpha thalassaemia families in western Saudi Arabia. Acquaye J, et al. **Trop Geogr Med** 1985 Dec; 37(4):319–27

[Beta-thalassemia in the Chinese: polymorphic restriction site haplotype analysis of the beta-globin gene cluster] Huang SZ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1985 Jun; 7(3):163–8 (Eng. Abstr.) **(Chi)**

[Hemoglobin composition and alpha-globin gene analysis in a family of combined alpha- and beta-thalassemias] Zhang JW, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1985 Oct; 7(5):353–8 (Eng. Abstr.) **(Chi)**

[Organization of alpha-globin genes in Chinese with HbH diseases in Guangdong Province] Zhang JW, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Apr; 6(2):79–83 (Eng. Abstr.) **(Chi)**

[Beta-thalassemia minor in a presumably genuine Northern European family] Faarvang KL, et al. **Ugeskr Laeger** 1985 Sep 30;147(40):3170–1 (Eng. Abstr.) **(Dan)**

[Association of hemoglobin E and thalassemia] Schaison G, et al. **Arch Fr Pediatr** 1985 Oct;42(8):709–11 (Eng. Abstr.) **(Fre)**

[Double heterozygous Hb O Arab/beta-thalassemia in a Tunisian child] Haji F, et al. **Arch Inst Pasteur Tunis** 1985 Dec;62(4):341–53 (Eng. Abstr.) **(Fre)**

[Homozygous beta-thalassemia in Algeria. Study of 50 cases] Adjrad L, et al. **Presse Med** 1985 Nov 30;14(41):2089–92 (Eng. Abstr.) **(Fre)**

[Heterozygous beta thalassemia and gastrointestinal pathology] Gallerani M, et al. **Minerva Med** 1986 Apr 21; 77(17):709–12 (Eng. Abstr.) **(Ita)**

[Alpha 1-antitrypsin in thalassemia major] Romeo MA, et al. **Pediatr Med Chir** 1983 Sep-Oct;5(5):351–3 (Eng. Abstr.) **(Ita)**

[Hematologic characterization and analysis of genetic transmission in a case of double heterozygosity Hb Lepore/beta-thalassemia] De Caterina M, et al. **Quad Sclavo Diagn** 1985 Dec;21(4):412–8 (Eng. Abstr.) **(Ita)**

[Analysis of the genetic heterogeneity of homozygous beta+- thalassemia in the Azerbaijan SSR] Dergunova LV, et al. **Gematol Transfuziol** 1985 Oct;30(10):13–6 (Eng. Abstr.) **(Rus)**

[Alpha-thalassemia in Azerbaijan] Gaziev DG. **Gematol Transfuziol** 1985 Oct;30(10):8–13 (Eng. Abstr.) **(Rus)**

[Distribution of antigens of the ABO and rhesus (factor D) systems in candidate donors in an area with high incidence of the thalassemia syndrome gene (the Sheki-Kutkashensk zone of the Azerbaijan SSR)] Ragimov AA, et al. **Gematol Transfuziol** 1986 Mar;31(3):15–20 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Hepatitis B and A markers in children with thalassaemia and sickle-cell disease in Riyadh. Babiker MA, et al. **Ann Trop Paediatr** 1986 Mar;6(1):59–62

Progressive dysfunction of monocytes associated with iron overload and age in patients with thalassemia major. Ballart IJ, et al. **Blood** 1986 Jan;67(1):105–9

Immunological abnormalities in thalassaemia major. I. A transfusion-related increase in circulating cytoplasmic immunoglobulin-positive cells. Akbar AN, et al. **Clin Exp Immunol** 1985 Nov;62(2):397–404

Elution of antispectrin antibodies from red cells in homozygous beta-thalassaemia. Wiener E, et al. **Clin Exp Immunol** 1986 Mar;63(3):680–6

Hemolytic disease of the newborn secondary to anti-Fya and anti-S. Vesce F, et al. **Clin Exp Obstet Gynecol** 1985; 12(3–4):57–9

HLA compatibility for patients with thalassemia: implications for bone marrow transplantation. Delfini C, et al. **Int J Cell Cloning** 1986 Jul;4(4):274–8

Decreased natural killer activity in thalassemia major: a possible consequence of iron overload. Akbar AN, et al. **J Immunol** 1986 Mar 1;136(5):1635–40

False-positive HTLV-III antibody tests in multitransfused patients with thalassaemia [letter] Michail-Merianou V, et al. **Lancet** 1986 Mar 22;1(8482):678

Impairment of natural killer (NK) function in carriers and patients with thalassemia major. Goicoa MA, et al. **Nouv Rev Fr Hematol** 1986;28(2):75–9

Antibodies to HTLV-III and the lymphadenopathy syndrome in multitransfused beta-thalassemia patients. De Martino M, et al. **Vox Sang** 1985;49(3):230–3

METABOLISM

Parathyroid hormone, calcitonin and vitamin D metabolites in beta-thalassaemia major. Zamboni G, et al. **Eur J Pediatr** 1986 Apr;145(1–2):133–6

Bone marrow and peripheral blood globin chain synthesis in sickle cell beta zero thalassaemia. Costa FF, et al. **J Med Genet** 1986 Jun;23(3):252–5

[Evaluation of iron balance in homozygous beta-thalassemia subjects treated with desferrioxamine administered subcutaneously] Ferrara M, et al. **Pediatria (Napoli)** 1983 Oct-Dec;91(4):371–7 (Eng. Abstr.) **(Ita)**

[Quantitative relation between transferrin and total iron fixation capacity in patients carrying heterozygous A2 and F thalassemia] Llopis R, et al. **Rev Clin Esp** 1986 Jan; 178(1):11–2 (Eng. Abstr.) **(Spa)**

MORTALITY

[Critical evaluation of the causes of death in thalassemic subjects] Boffa C, et al. **Pediatr Med Chir** 1984 Nov–Dec; 6(6):755–8 (Eng. Abstr.) **(Ita)**

OCCURRENCE

Frequency of alpha-thalassemia in Greece. Kanavakis E, et al. **Am J Hematol** 1986 Jul;22(3):225–32

Hereditary red cell disorders in Southeast Asian refugees and the effect on the prevalence of thalassemia disorders in the United States. Monzon CM, et al. **Am J Med Sci** 1986 Sep;292(3):147–51

Beta-thalassaemia trait in the Punjab (North India) [letter] Dash S. **Br J Haematol** 1985 Sep;61(1):185–6

Alpha thalassaemia in an Italian population. Velati C, et al. **Br J Haematol** 1986 Jul;63(3):497–501

[Incidence of thalassemia in Alto Adige: statistical study of the population of the Italian ethnic group] Salerno L, et al. **Haematologica (Pavia)** 1985 May–Jun;70(3):199–201 (Eng. Abstr.) **(Ita)**

[Hemoglobinopathies in Central Asia] Bakhramov SM, et al. **Gematol Transfuziol** 1985 Oct;30(10):3–7 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Enumeration of stem cells and progenitor cells in alpha-thalassemic mice reveals lack of specific regulation of stem cell differentiation. Wagemaker G, et al. **Exp Hematol** 1986 May;14(4):303–6

[Rib notchings in Cooley's anemia] Gugliantini P, et al. **Radiol Med (Torino)** 1986 Apr;72(4):173–9 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

The kidney in beta-thalassaemia major [letter] Khalifa AS, et al. **Acta Haematol (Basel)** 1985;74(1):60

Physiopathologic aspects of anemia in thalassemia intermedia [letter] Torlontano G, et al. **Haematologica (Pavia)** 1985 Jul–Aug;70(4):376–7

CT features of presacral mass: an unusual focus of extramedullary hematopoiesis. Chao PW, et al. **J Comput Assist Tomogr** 1986 Jul–Aug;10(4):684–5

Pulmonary function abnormalities in homozygous beta-thalassemia. Hoyt RW, et al. **J Pediatr** 1986 Sep; 109(3):452–5

Lower limb pain in thalassemia. Finsterbush A, et al. **J Rheumatol** 1985 Jun;12(3):529–32

Gas exchange during exercise in children with thalassemia major and Diamond–Blackfan anemia. Cooper DM, et al. **Pediatr Res** 1985 Nov;19(11):1215–9

The effect of transfusion on lung capacity, diffusing capacity, and arterial oxygen saturation in patients with thalassemia major. Grant GP, et al. **Pediatr Res** 1986 Jan;20(1):20–3

Alpha and beta cell evaluation in patients with thalassaemia intermedia and iron overload. De Sanctis V, et al. **Postgrad Med J** 1985 Nov;61(721):963–7

[Thyroid function in thalassaemia major] Depaz G, et al. **Ann Pediatr (Paris)** 1985 Nov;32(9):809–11 (Eng. Abstr.) (Fre)

[Effect of blood transfusion on erythropoiesis of homozygotic beta–thalassemia patients] Deschamps A, et al. **Rev Fr Transfus Immunohematol** 1985 Sep;28(4):283–91 (Eng. Abstr.) (Fre)

[Evaluation of somatomedin C and liver pathology in Cooley's disease] Liotta A, et al. **Minerva Pediatr** 1985 Sep 15;37(17):583–6 (Eng. Abstr.) (Ita)

[Preliminary data on the endocrinologic evaluation of thalassemic adolescents] Boffa C, et al. **Pediatr Med Chir** 1984 Nov–Dec;6(6):759–64 (Eng. Abstr.) (Ita)

[Hepatic pathology in beta–thalassemia major] Gangemi B, et al. **Pediatr Med Chir** 1986 Jan–Feb;8(1):77–83 (Eng. Abstr.) (Ita)

[Beta–pancreatic function in subjects with thalassemia. A 4–year follow–up] Zanini R, et al. **Pediatr Med Chir** 1985 Sep–Oct;7(5):749–53 (Eng. Abstr.) (Ita)

PREVENTION & CONTROL

Prevention of thalassaemias in South–East Asia. Wong HB. **Ann Acad Med Singapore** 1985 Oct;14(4):654–65 (34 ref.)

Prevention of thalassaemia major in Latium (Italy) [letter] Bianco I, et al. **Lancet** 1985 Oct 19;2(8460):888–9

Beta–thalassaemia control [letter] Zorcolo G, et al. **Lancet** 1986 Jul 12;2(8498):103

PSYCHOLOGY

Reproductive patterns and thalassaemia major. Cowan J, et al. **J Biosoc Sci** 1986 Jul;18(3):285–95

[Psychological problems of thalassemic subjects] Guasco G, et al. **Pediatr Med Chir** 1985 Mar–Apr;7(2):271–8 (Eng. Abstr.) (Ita)

[Psychological aspects of thalassemia] Massaglia P, et al. **Pediatr Med Chir** 1986 Jan–Feb;8(1):27–31 (Eng. Abstr.) (Ita)

SURGERY

[Partial splenectomy in homozygous beta–thalassemia] Alebouyeh M, et al. **Monatsschr Kinderheilkd** 1985 Aug; 133(8):549–51 (Eng. Abstr.) (Ger)

THERAPY

The multitransfused beta–thalassemic child: a model for the study of IgE response. Vierucci A, et al. **Ann Allergy** 1986 Feb;56(2):158–61

Bone marrow transplantation in two multiply transfused patients with thalassaemia major. Brochstein JA, et al. **Br J Haematol** 1986 Jul;63(3):445–56

Yersinia and iron overload [letter] Kelly D, et al. **Br Med J [Clin Res]** 1986 Feb 8;292(6517):413

Molecular genetics and potential gene therapy. Orkin SH. **Clin Immunol Immunopathol** 1986 Jul;40(1):151–6 (21 ref.)

Neocytopheresis: a new approach for the transfusion of patients with thalassaemia major. Triadou P, et al. **Eur J Pediatr** 1986 Apr;145(1–2):10–3

Bone marrow donors other than HLA genotypically identical siblings for patients with thalassemia. Delfini C, et al. **Exp Hematol** 1985 Dec;13(11):1197–200

Compliance with oral penicillin prophylaxis in splenectomized thalassaemic patients. Di Palma A, et al. **Haematologica (Pavia)** 1985 May–Jun;70(3):221–4

Normal long–term survival with alpha–thalassemia. Bianchi DW, et al. **J Pediatr** 1986 May;108(5 Pt 1):716–8

Low risk of hepatitis B from blood transfusions in thalassemic patients in Connecticut. Pearson HA, et al. **J Pediatr** 1986 Feb;108(2):252–3

Bone–marrow transplantation for thalassaemia. Vowels MR, et al. **Med J Aust** 1986 Mar 31;144(7):372, 374

The management of beta–thalassemia in an urban district hospital. Lyn PC, et al. **Med J Malaysia** 1985 Mar; 40(1):3–10

Modern management of thalassemia. Festa RS. **Pediatr Ann** 1985 Sep;14(9):597–600, 602–3, 606 (84 ref.)

Acquired immunodeficiency syndrome in a thalassemic child. Paul R, et al. **Pediatr Infect Dis** 1986 Mar–Apr;5(2):274–6

Correction of murine beta–thalassemia by gene transfer into the germ line. Costantini F, et al. **Science** 1986 Sep 12; 233(4769):1192–4

Cure of murine thalassemia by bone marrow transplantation without eradication of endogenous stem cells. Wagemaker G, et al. **Transplantation** 1986 Sep;42(3):248–51

Compliance with penicillin prophylaxis by children with impaired splenic function. Babiker MA. **Trop Geogr Med** 1986 Jun;38(2):119–22

Partial splenectomy in the treatment of thalassaemia major. Kheradpir MH, et al. **Z Kinderchir** 1985 Aug;40(4):195–8

[Future perspectives in the treatment of thalassemia major] Girot R. **Ann Pediatr (Paris)** 1985 Nov;32(9):801–7 (Eng. Abstr.) (Fre)

[Current treatment of Cooley's disease] Orsini A, et al. **Ann Pediatr (Paris)** 1985 Nov;32(9):769–78 (Eng. Abstr.) (Fre)

[Blood transfusion in thalassemia—the Jerusalem experience] Goldfarb AW, et al. **Harefuah** 1985 Nov 15;109(10):265–8 (Eng. Abstr.) (Heb)

[Therapy of thalassemia major with transplant of the bone marrow. Our experience with the busulfan, cyclophosphamide, cyclosporin, and acyclovir protocol (letter)] Torlontano G, et al. **Haematologica (Pavia)** 1985 May–Jun;70(3):270–1 (Ita)

[Role of splenectomy in the treatment of Cooley's disease] Rocca E, et al. **Minerva Chir** 1986 Mar 31;41(5–6):317–23 (Ita)

[Hemorheologic characteristics in beta–thalassemic homozygotes before and after splenectomy] Agosti R, et al. **Pediatr Med Chir** 1985 Jan–Feb;7(1):73–6 (Eng. Abstr.) (Ita)

[Treatment of thalassemia] Terzoli S, et al. **Pediatr Med Chir** 1984 Nov–Dec;6(6):753–4 (Eng. Abstr.) (Ita)

[Prospect of genetic therapy] Takagi Y. **Rinsho Byori** 1985 Nov;33 Spec No 65:185–91 (Jpn)

[A syndrome related to AIDS in a carrier of homozygous beta–thalassemia (Cooley's anemia) (letter)] de Souza CA, et al. **AMB** 1985 Jul–Aug;31(7–8):141–2 (Por)

URINE

[Measurement of siderinuria in thalassemia major] Camerini G, et al. **Boll Soc Ital Biol Sper** 1986 Feb 28;62(2):181–4 (Eng. Abstr.) (Ita)

[Urine iron: comparative evaluation between a colorimetric method and atomic absorption spectrophotometry] Galdo Capotorti M, et al. **Pediatria (Napoli)** 1983 Oct–Dec; 91(4):397–402 (Eng. Abstr.) (Ita)

THALASSOTHERAPY

[Sanitaro–hygienic requirements for the design, construction and operation of therapeutic beaches] Borovik EB, et al. **Gig Sanit** 1985 Sep;(9):78–9 (Rus)

[Medico–technological requirements in selection, evaluation and functional testing of therapeutic beaches] Borovik EB. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Jul–Aug; (4):48–51 (Rus)

[Distribution of marine aerosols in the coastal zone of the western shore of the Crimea and the extent of their deposition in the human lung] Shchetilin AP, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 May–Jun;(3):6–8 (Eng. Abstr.) (Rus)

METHODS

The Aspoaltic Sea [letter] Herzberg JJ. **J Am Acad Dermatol** 1986 Jan;14(1):140

THALICARPINE see under **APORPHINES**

THALIDOMIDE

Teratogen metabolism: spontaneous decay products of thalidomide and thalidomide analogues are not bioactivated by liver microsomes. Braun AG, et al. **Teratogenesis Carcinog Mutagen** 1985;5(3):149–58

ADVERSE EFFECTS

Thalidomide–induced peripheral neuropathy. A prospective clinical, neurophysiological and pharmacogenetic evaluation. Hess CW, et al. **J Neurol** 1986 Apr;233(2):83–9

Blame, compensation and birth defects [letter] **Med J Aust** 1985 Nov 11;143(10):477–8

[Neuropathies caused by thalidomide] Chapon F, et al. **Rev Neurol (Paris)** 1985;141(11):719–28 (Eng. Abstr.) (Fre)

ANALOGS & DERIVATIVES

Serotonergic involvement in pharmacological action of the anxiolytic–sedatives thalidomide and supidimide. Youdim MB, et al. **Eur J Pharmacol** 1985 Dec 10;119(1–2):39–46

Thalidomide and congeners as anti–inflammatory agents. Koch HP. **Prog Med Chem** 1985;22:165–242 (502 ref.)

Teratogen metabolism: spontaneous decay products of thalidomide and thalidomide analogues are not bioactivated by liver microsomes. Braun AG, et al. **Teratogenesis Carcinog Mutagen** 1985;5(3):149–58

METABOLISM

Teratogen metabolism: thalidomide activation is mediated by cytochrome P–450. Braun AG, et al. **Toxicol Appl Pharmacol** 1986 Jan;82(1):175–9

PHARMACODYNAMICS

Inhibitory effect on endocytosis in polymorphonuclear cells caused by thalidomide. Avalos–Díaz E, et al. **Arch Invest Med (Mex)** 1985 Apr–Jun;16(2):139–43 (Eng, Spa)

Serotonergic involvement in pharmacological action of the anxiolytic–sedatives thalidomide and supidimide. Youdim MB, et al. **Eur J Pharmacol** 1985 Dec 10;119(1–2):39–46

Thalidomide and lymphocyte function [letter] Aronson IK, et al. **J Am Acad Dermatol** 1986 Feb;14(2 Pt 1):282–3

Thalidomide and oxygen intermediates [letter] Miyachi Y, et al. **J Am Acad Dermatol** 1985 Aug;13(2 Pt 1):304–5

Effect of thalidomide on induction of antibody synthesis in mice to the T–independent antigen, DNP–Ficoll. Shannon EJ, et al. **Lepr Rev** 1985 Dec;56(4):297–301

THERAPEUTIC USE

Thalidomide effects in Behçet's syndrome and pustular vasculitis. Jorizzo JL, et al. **Arch Intern Med** 1986 May; 146(5):878–81

Thalidomide in leprosy and some dermatological conditions—a review. Parikh DA, et al. **Indian J Lepr** 1985 Oct–Dec;57(4):862–7 (26 ref.)

Discoid lupus erythematosus: thalidomide or vitamin E? [letter] Ayres S Jr. **Int J Dermatol** 1985 Nov;24(9):616

Significant response of oral aphthosis to thalidomide treatment [letter] Brodthagen H. **J Am Acad Dermatol** 1985 Sep;13(3):509

Supplies of thalidomide for use in leprosy [letter] Loretti A, et al. **Lepr Rev** 1986 Mar;57(1):76–7

Thalidomide and congeners as anti–inflammatory agents. Koch HP. **Prog Med Chem** 1985;22:165–242 (502 ref.)

Treatment and prevention of acute graft–versus–host disease with thalidomide in a rat model. Vogelsang GB, et al. **Transplantation** 1986 May;41(5):644–7

TOXICITY

[Teratogenic potentially of single dose of thalidomide in JW–NIBS rabbits] Matsubara Y, et al. **Jikken Dobutsu** 1985 Jul;34(3):295–302 (Eng. Abstr.) (Jpn)

THALLIUM

The persistent defect on exercise thallium imaging and its fate after myocardial revascularization: does it represent scar or ischemia? Liu P, et al. **Am Heart J** 1985 Nov; 110(5):996–1001

Qualitative evaluation of coronary flow during anesthetic induction using thallium–201 perfusion scans. Kleinman B, et al. **Anesthesiology** 1986 Feb;64(2):157–64

Equilibrium binding constants for Tl+ with gramicidins A, B and C in a lysophosphatidylcholine environment determined by 205Tl nuclear magnetic resonance spectroscopy. Hinton JF, et al. **Biophys J** 1986 Feb; 49(2):571–7

New technique for showing the relation of tomographic myocardial perfusion images obtained with thallium–201 to the coronary arteries [letter] Murray RG, et al. **Br Heart J** 1986 Jun;55(6):610–1

Use of a NaI(Tl) survey meter to measure 125I activity. Nishizawa K. **Health Phys** 1986 Mar;50(3):415–9

ADVERSE EFFECTS

Biological damage caused by Auger cascades [letter] Mole RH. **Lancet** 1986 Jan 11;1(8472):90–1

BLOOD

Distribution of 201Tl in the blood. Nakamura K, et al. **Radioisotopes** 1985 Oct;34(10):550–4

DIAGNOSTIC USE

False–positive thallium–201 parathyroid scan of the mediastinum in Hodgkin's lymphoma. Winzelberg GG, et al. **AJR** 1986 Oct;147(4):819–21

Spontaneous angina during serial resting thallium–201 myocardial scintigraphy. Dottore E, et al. **Am Heart J** 1986 Apr;111(4):788–91

Papillary muscle activity on thallium scintigraphy: a potential source of misinterpretation. Edelman RR, et al. **Am Heart J** 1986 Jun;111(6):1210–2

Repeated exercise and redistribution thallium–201 scintigrams in patients with myocardial infarction treated with timolol or placebo. Ericson CG, et al. **Am Heart J** 1986 May; 111(5):916–22

The ST segment/heart rate slope as a predictor of coronary artery disease: comparison with quantitative thallium imaging and conventional ST segment criteria. Finkelhor RS, et al. **Am Heart J** 1986 Aug;112(2):296–304

Resting thallium–201 myocardial perfusion patterns in patients with severe left ventricular dysfunction: differences between patients with primary cardiomyopathy, chronic coronary artery disease, or acute myocardial infarction. Iskandrian AS, et al. **Am Heart J** 1986 Apr;111(4):760–7

Decrease in the ability to detect elevated lung thallium due to delay in commencing imaging after exercise. Rothendler JA, et al. **Am Heart J** 1985 Oct;110(4):830–5

Thallium–201/technetium–99m pyrophosphate overlap in patients with acute myocardial infarction after thrombolysis: prediction of depressed wall motion despite thallium uptake. Schofer J, et al. **Am Heart J** 1986 Aug; 112(2):291–5

Alterations in myocardial perfusion during exercise after isosorbide dinitrate infusion in patients with coronary disease: assessment by thallium–201 scintigraphy. Tono I, et al. **Am Heart J** 1986 Mar;111(3):525–33

Prognostic significance of regional myocardial ischemia of the ventricular septum assessed by thallium–201 exercise testing. Brown KA, et al. **Am J Cardiol** 1986 Aug 1; 58(3):359–60

Normal results of post-race thallium-201 myocardial perfusion imaging in marathon runners with elevated serum MB creatine kinase levels. Siegel AJ, et al. **Am J Med** 1985 Oct;79(4):431–4

Assessment of percutaneous transluminal coronary angioplasty by atrial pacing and thallium-201 myocardial imaging: a case report. Stratmann HG, et al. **Angiology** 1986 Aug;37(8):610–3

Role of exercise thallium 201 imaging in decision making. Iskandrian AS, et al. **Arch Intern Med** 1986 Jun; 146(6):1098–100

Thallium–technetium parathyroid scan. A useful noninvasive technique for localization of abnormal parathyroid tissue. Manni A, et al. **Arch Intern Med** 1986 Jun;146(6):1077–80

Diagnosis of traumatic cardiac contusion. Waxman K, et al. **Arch Surg** 1986 Jun;121(6):689–92

New technique for showing the relation of tomographic myocardial perfusion images obtained with thallium-201 to the coronary arteries. Gibson CJ, et al. **Br Heart J** 1985 Oct;54(4):367–74

Detection of coronary artery disease by thallium scintigraphy in patients with valvar heart disease. Huikuri HV, et al. **Br Heart J** 1986 Aug;56(2):146–51

201T1 to 67Ga uptake ratio as an indicator for predicting tumour doubling time in human pulmonary neoplasms. Togawa T, et al. **Br J Cancer** 1986 Apr;53(4):557–60

Gated thallium tomography—potential for improved accuracy in the detection of coronary artery disease. Handler CE, et al. **Br J Radiol** 1985 Feb;58(686):107–10

Assessment of thallium–pertechnetate subtraction scintigraphy in hyperparathyroidism. Percival RC, et al. **Br J Radiol** 1985 Feb;58(686):131–5

Effect of ischemia-related metabolic factors on thallium exchange in cultured rat myocardial cells. McCall D, et al. **Can J Cardiol** 1986 May-Jun;2(3):176–83

Radionuclide exercise testing for coronary artery disease. Beller GA. **Cardiol Clin** 1984 Aug;2(3):367–78 (34 ref.)

Prognostic value of radionuclide exercise testing after myocardial infarction. Schocken DD. **Cardiol Clin** 1984 Aug;2(3):391–401 (51 ref.)

Quantification of thallium-201 myocardial uptake using serial dynamic imaging at rest and during exercise. Yonekura Y, et al. **Cardiology** 1986;73(2):94–100

Exercise nuclear imaging for the evaluation of coronary artery disease. Meizlish JL, et al. **Cardiovasc Clin** 1985; 15(2):105–23 (108 ref.)

Thallium myocardial perfusion scintigraphy: influence of perfusion, scatter, and photon energy on the detection of lesions. Vos PH, et al. **Cardiovasc Intervent Radiol** 1986; 9(1):7–12

Thallium 201 myocardial imaging. Seeing is believing—believing what? Altschule MD. **Chest** 1986 Jun; 89(6):880–1

201T1 and 67Ga uptake in malignant fibrous histiocytoma of the heart. Minamiji K, et al. **Chest** 1986 Feb;89(2):303–6

The effect of eating on thallium myocardial imaging. Wilson RA, et al. **Chest** 1986 Feb;89(2):195–8

Radionuclide methods of identifying patients who may require coronary artery bypass surgery. Beller GA, et al. **Circulation** 1985 Dec;72(6 Pt 2):V9–22 (69 ref.)

Myocardial thallium-201 kinetics during coronary occlusion and reperfusion: influence of method of reflow and timing of thallium-201 administration. Granato JE, et al. **Circulation** 1986 Jan;73(1):150–60

Significance of collateral circulation on peri-infarct zone: assessment with stress thallium-201 scintigraphy. Imamura T, et al. **Clin Cardiol** 1986 Apr;9(4):137–44

Thallium-201 uptake in a benign thymoma. Campeau RJ, et al. **Clin Nucl Med** 1986 Jul;11(7):524

Appearance of breast attenuation artifacts with thallium myocardial SPECT imaging. Garver PR, et al. **Clin Nucl Med** 1985 Oct;10(10):694–6

Simulation of abnormal pulmonary thallium-201 activity following mastectomy. Hermoni Y, et al. **Clin Nucl Med** 1985 Nov;10(11):767–8

Thallium-201 myocardial scintigraphy after hyperventilation for the diagnosis of vasospastic angina. Imamura T, et al. **Clin Nucl Med** 1985 Dec;10(12):895–6

Thallium-201 uptake by the sternum. Intenzo CM, et al. **Clin Nucl Med** 1986 Mar;11(3):214–5

Thallium-201 imaging in pericardial effusion. Nestico PF, et al. **Clin Nucl Med** 1986 Mar;11(3):213

Thallium-201 myocardial perfusion imaging in myocarditis. Tamaki N, et al. **Clin Nucl Med** 1985 Aug;10(8):562–6

Thallium/technetium functional imaging of the thyroid and parathyroid. A case report. Ziessman HA, et al. **Clin Nucl Med** 1985 Dec;10(12):865–7

The clinical role of thallium-201 scintigraphy in the management and prognosis of coronary artery disease. Gammage MD, et al. **Eur Heart J** 1986 May;7(5):412–7

Simultaneous measurement of left ventricular function and myocardial perfusion during a single exercise test: dual isotope imaging with gold-195 m and thallium-201. Lahiri A, et al. **Eur Heart J** 1986 Jun;7(6):493–500

Scintigraphic evidence that the right ventricular myocardium tolerates ischaemia better than the left ventricular myocardium. Schofer J, et al. **Eur Heart J** 1985 Sep; 6(9):751–8

Relation between 201Tl to 67Ga uptake ratio and histological type in primary lung cancer. Togawa T, et al. **Eur J Cancer Clin Oncol** 1985 Aug;21(8):925–30

Detection of right-coronary-artery disease using stress thallium scintigraphy: importance of considering the right ventricle. Bahar RH, et al. **Eur J Nucl Med** 1986; 11(9):336–40

Paradoxical technetium–thallium subtraction scan in a case of parathyroid adenoma. Bedig G, et al. **Eur J Nucl Med** 1985;11(8):324–6

Diagnostic value of early and delayed 201Tl thyroid scintigraphy in the evaluation of cold nodules for malignancy. Henze E, et al. **Eur J Nucl Med** 1986; 11(11):413–6

Evaluation of portal circulation in rats by rectal administration of 201Tl followed by intrasplenic injection of 51Cr-labeled microspheres. Matsumoto S, et al. **Eur J Nucl Med** 1985;11(8):316–8

Prognostic investigations after myocardial infarction: a comparison of radionuclide angiography and 201Tl scintigraphy. Murray DP, et al. **Eur J Nucl Med** 1986; 11(10):381–5

201Tl myocardial imaging in a cardiac rejection episode. Richter J, et al. **Eur J Nucl Med** 1986;11(9):368–70

Thallium circumferential profiles in the detection of coronary artery disease—assessment by receiver operating characteristic curve analysis. Smart RC, et al. **Eur J Nucl Med** 1986;12(1):9–15

Cardiac sarcoidosis: reversion of myocardial perfusion abnormalities by dipyridamole. Tellier P, et al. **Eur J Nucl Med** 1985;11(6–7):201–4

The (F)utility of the thallium-201 quantitative lung/myocardial ratio in the detection of coronary artery disease. Wahl RL, et al. **Eur J Nucl Med** 1986;12(1):5–8

The effect of glucose-insulin-potassium on thallium-201 myocardial redistribution. Wilson RA, et al. **Int J Nucl Med Biol** 1985;12(2):97–101

Sources of variability in quantitative thallium analysis. Makler PT Jr, et al. **Invest Radiol** 1985 Nov;20(8):803–7

Reversibility of long-standing left ventricular aneurysm predicted by thallium-201 imaging. Breisblatt WM, et al. **J Am Coll Cardiol** 1986 May;7(5):1162–6

Regional variability in the myocardial clearance of thallium-201 and its importance in determining the presence or absence of coronary artery disease. Kaul S, et al. **J Am Coll Cardiol** 1986 Jul;8(1):95–100

Determination of the quantitative thallium imaging variables that optimize detection of coronary artery disease. Kaul S, et al. **J Am Coll Cardiol** 1986 Mar;7(3):527–37

Abnormal thallium kinetics in postoperative coarctation of the aorta: evidence for diffuse hypertension-induced vascular pathology. Kimball BP, et al. **J Am Coll Cardiol** 1986 Mar;7(3):538–45

Noninvasive identification of left main and triple vessel coronary artery disease: improved accuracy using quantitative analysis of regional myocardial stress distribution and washout of thallium-201. Maddahi J, et al. **J Am Coll Cardiol** 1986 Jan;7(1):53–60

Thallium-201 myocardial imaging during pharmacologic coronary vasodilation: comparison of oral and intravenous administration of dipyridamole. Taillefer R, et al. **J Am Coll Cardiol** 1986 Jul;8(1):76–83

Reverse redistribution of thallium-201: a sign of nontransmural myocardial infarction with patency of the infarct-related coronary artery. Weiss AT, et al. **J Am Coll Cardiol** 1986 Jan;7(1):61–7

Clinical evaluation of 360 degrees and 180 degrees data sampling techniques for transaxial SPECT thallium-201 myocardial perfusion imaging [letter] **J Nucl Med** 1986 Jan; 27(1):146–9

Reverse redistribution pattern of thallium-201 stress test in subjects with normal coronary angiograms [letter] Candell-Riera J, et al. **J Nucl Med** 1986 Aug;27(8):1377

False-negative thallium–technetium subtraction scintigraphy. Fobben E, et al. **J Nucl Med** 1986 Apr;27(4):564–6

Arm vein uptake of thallium-201 during exercise: incidence and clinical significance. Gal R, et al. **J Nucl Med** 1986 Aug;27(8):1353–7

Clinical decision making: dipyridamole thallium imaging. Gill JB, et al. **J Nucl Med** 1986 Jan;27(1):132–7

Limits to parathyroid imaging with thallium–201 confirmed by tissue uptake and phantom studies. Gimlette TM, et al. **J Nucl Med** 1986 Aug;27(8):1262–5

Thallium-201 myocardial imaging during coronary vasodilation induced by oral dipyridamole. Gould KL, et al. **J Nucl Med** 1986 Jan;27(1):31–6

Influence of peak exercise heart rate on normal thallium-201 myocardial clearance. Kaul S, et al. **J Nucl Med** 1986 Jan; 27(1):26–30

Effect of errors in reangulation on planar and tomographic thallium-201 washout profile curves. Lancaster JL, et al. **J Nucl Med** 1985 Dec;26(12):1445–55

Effect of exercise position during stress testing on cardiac and pulmonary thallium kinetics and accuracy in evaluating coronary artery disease. Lear JL. **J Nucl Med** 1986 Jun; 27(6):788–94

Separate effects of ischemia, hypoxia, and contractility on thallium-201 kinetics in rabbit myocardium. Leppo JA, et al. **J Nucl Med** 1986 Jan;27(1):66–74

Effect of delay in imaging [letter] Massie B, et al. **J Nucl Med** 1986 Jun;27(6):866–7

Quantitative relationship between global left ventricular thallium uptake and blood flow: effects of propranolol, ouabain, dipyridamole, and coronary artery occlusion. Melin JA, et al. **J Nucl Med** 1986 May;27(5):641–52

Quantitation of extent, depth, and severity of planar thallium defects in patients undergoing exercise thallium-201 scintigraphy. Reisman S, et al. **J Nucl Med** 1986 Aug; 27(8):1273–81

Thallium-201 scintigraphic quantitation of regional flow disparity and subsequent redistribution in dogs. Steingart RM, et al. **J Nucl Med** 1986 Jan;27(1):75–83

Quantitative analysis of stress thallium-201 myocardial scintigrams: a multicenter trial. Van Train KF, et al. **J Nucl Med** 1986 Jan;27(1):17–25

Re: New perspectives in localizing enlarged parathyroids by technetium–thallium subtraction scan [letter] Winzelberg GG, et al. **J Nucl Med** 1984 Apr;25(4):539–40

Value of computer analysis of exercise thallium images in the noninvasive detection of coronary artery disease. Kaul S, et al. **JAMA** 1986 Jan 24–31;255(4):508–11

Preparation of Tc 99m–Sn–thioglycolic acid–dl–isoleucine (Tc-99m–TGA–ILEU) complex and its comparison with Tl 201–chloride for myocardial imaging. Faiz–ur–Rehman, et al. **JPMA** 1986 Feb;36(2):40–3

Nifedipine and thallium-201 myocardial perfusion in progressive systemic sclerosis. Kahan A, et al. **N Engl J Med** 1986 May 29;314(22):1397–402

Problems on Pennsylvania Avenue [letter] Toltzis RJ, et al. **N Engl J Med** 1986 Sep 25;315(13):836–7

Relationship between 201Tl uptake and oxidative metabolism in cultured myocardial cells. Gachon P, et al. **Nucl Med Commun** 1986 Jan;7(1):59–64

Idiopathic hypertrophic sub-aortic stenosis (IHSS): a new diagnostic method using ECG-gated thallium-201 myocardial scintigraphy. Garty I, et al. **Nucl Med Commun** 1985 Dec;6(12):753–62

Thallium scintigraphy in the evaluation of portal systemic shunting. The problem of rectal absorption. Urbain D, et al. **Nucl Med Commun** 1986 Jan;7(1):25–32

Quantitative analysis of stress thallium-201 studies: comparison of SPET and planar imaging in the detection of CAD. Ziada G, et al. **Nucl Med Commun** 1986 Jun; 7(6):427–35

Localization of post-infarction myocardial ischemia by 201Tl emission computed tomography. Spielmann RP, et al. **Nuklearmedizin** 1985 Dec;24(5–6):201–5

Thallium-201 radioactive implant induced X-ray emission scanning of stable iodine distribution in thyroid—phantom experiment. Amano R, et al. **Radioisotopes** 1986 May; 35(5):266–9

Myocardial perfusion studies: lessons from a decade of clinical use. Strauss HW, et al. **Radiology** 1986 Sep; 160(3):577–84

Exercise radionuclide angiography and thallium scintigraphy in anomalous coronary anatomy. Cox WR, et al. **South Med J** 1986 Mar;79(3):355–8

Right ventricular visualization by thallium 201 myocardial scintigraphy in chronic obstructive pulmonary disease. Shuck JW, et al. **South Med J** 1985 Dec;78(12):1435–9

Thallium–technetium subtraction scanning for preoperative localization of adenomas of the parathyroid gland. Rasbach DA, et al. **Surg Gynecol Obstet** 1986 Jul;163(1):82–4

Computerized technetium/thallium scans and parathyroid reoperation. Skibber JM, et al. **Surgery** 1985 Dec; 98(6):1077–82

Localization of residual medullary thyroid cancer by thallium/technetium scintigraphy. Talpos GB, et al. **Surgery** 1985 Dec;98(6):1189–96

[Clinical evaluation of thallium-201 myocardial imaging] Liu XJ, et al. **Chung Hua Nei Ko Tsa Chih** 1985 Dec; 24(12):715–8, 767–8 (Eng. Abstr.) (Chi)

[Diagnostic significance of perfusion scintigraphy of the heart muscle with 201Tl in determining right ventricular hypertrophy] Jandová R, et al. **Vnitr Lek** 1986 Feb; 32(2):117–23 (Eng. Abstr.) (Cze)

[Evaluation of the effect of Royat thermal gas in arteriopathy of the legs using thallium-201 muscular scintigraphy] Peycelon P, et al. **Ann Cardiol Angeiol (Paris)** 1986 Jan; 35(1):15–9 (Eng. Abstr.) (Fre)

[Redistribution of 201 Tl after myocardial scintigraphy with dipyridamole: value in the detection of coronary stenosis and ventricular kinetic anomalies] Demangeat JL, et al. **Arch Mal Coeur** 1985 Dec;78(13):1902–11 (Eng. Abstr.) (Fre)

[Myocardial contusions. Contribution of scintigraphy using thallium-201. A prospective series] Hélias J, et al. **Arch Mal Coeur** 1986 Jan;79(1):69–74 (Eng. Abstr.) (Fre)

[Exercise test coupled with thallium-201 myocardial scintigraphy after a primary posterior wall infarct. Apropos of 123 patients subjected to coronarography] Tellier P, et al. **Arch Mal Coeur** 1985 Aug;78(8):1231–6 (Eng. Abstr.) (Fre)

[Clinical value of thallium-201 myocardial scintigraphy with dipyridamole performed before and after aortocoronary bypass] Wolff F, et al. **Arch Mal Coeur** 1985 Aug; 78(8):1198–204 (Eng. Abstr.) (Fre)

[Results of SPECT thallium-201 of the myocardium in the diagnosis of coronary disease and the follow-up of percutaneous transluminal coronary angioplasty] Büll U, et al. **Nuklearmedizin** 1986 Apr;25(2):71–7 (Eng. Abstr.) (Ger)

[The 4 hr-washout-functional picture: a quantitative visualization of 201Tl myocardial stress kinetics and the significance of paradoxical redistribution] Heinemann H, et al. **Nuklearmedizin** 1985 Dec;24(5–6):206–10 (Eng. Abstr.) (Ger)

[Thallium-291 myocardial scintigraphy as a possible method for specialized noninvasive diagnosis in the assessment of myocardial functional capacity] Birke S, et al. **Radiol Diagn (Berl)** 1985;26(4):539–45 (Eng. Abstr.) **(Ger)**

[Quantification of the variable threshold of ischemia in secondary and primary angina using studies of myocardial perfusion with thallium 201 in serial exercise tests] Aguirre JM, et al. **Cardiologia** 1982 Nov;27(11):1097 **(Ita)**

[Combined use of myocardial scintigraphy with thallium 201 and radioisotopic ventriculography for the non-invasive diagnosis of the patency of aortocoronary bypass] Melandri G, et al. **Cardiologia** 1985 May;30(5):357–61 (Eng. Abstr.) **(Ita)**

[Diagnostic value of perfusion scintigraphy] Reale A, et al. **Cardiologia** 1985 Sep;30(9):713–9 **(Ita)**

[201-thallium chloride for myocardial scintigraphy: control of radionuclide purity] Bergamini C, et al. **Radiol Med (Torino)** 1985 Apr;71(4):248–51 (Eng. Abstr.) **(Ita)**

[RI angiography with 99mTc and 201Tl-chloride scintigraphy in determining the effectiveness of intra-arterial infusion in chemotherapy of locally advanced and recurrent breast cancer] Senga O, et al. **Gan No Rinsho** 1986 Jul;32(8):873–8 (Eng. Abstr.) **(Jpn)**

[Right ventricular free wall imaging using thallium-201 exercise myocardial scintigraphy with special reference to coronary angiography] Momose A, et al. **J Cardiogr** 1984 Dec;14(4):655–63 (Eng. Abstr.) **(Jpn)**

[Assessment of regional wall motion of the hypertrophic heart by phase analysis of thallium-201 images] Nakai K, et al. **J Cardiogr** 1985 Sep;15(3):735–41 (Eng. Abstr.) **(Jpn)**

[Quantitative analysis of exercise 201Tl myocardial emission CT in patients with coronary artery disease] Okada M, et al. **J Cardiogr** 1984 Dec;14(4):635–43 (Eng. Abstr.) **(Jpn)**

[Tl-201 single-photon emission computed tomography for clinical assessment of dilated cardiomyopathy] Omori Y, et al. **J Cardiogr** 1984 Dec;14(4):707–18 (Eng. Abstr.) **(Jpn)**

[Myocardial positron computed tomography using N-13 ammonia for evaluating coronary artery disease: comparison with thallium-201 emission computed tomography] Tamaki N, et al. **J Cardiogr** 1985 Sep; 15(3):553–65 (Eng. Abstr.) **(Jpn)**

[Evaluation of myocardial viability in myocardial infarction by thallium-201 emission computed tomography] Tamaki N, et al. **J Cardiogr** 1985 Mar;15(1):1–11 (Eng. Abstr.) **(Jpn)**

[Quantification of the right ventricular wall using stress myocardial emission computed tomography with thallium-201 in normal subjects] Akanabe H, et al. **Kaku Igaku** 1985 Dec;22(12):1775–80 (Eng. Abstr.) **(Jpn)**

[The dual energy myocardial SPECT of 99mTc-PYP and 201TlCl for diagnosis of acute myocardial infarction] Fukuda H, et al. **Kaku Igaku** 1985 Oct;22(10):1545–9 (Eng. Abstr.) **(Jpn)**

[The relationship between the character of a regional wall motion abnormality and the degree of the myocardial perfusion abnormality of myocardial infarction] Hayashi S, et al. **Kaku Igaku** 1985 Jun;22(6):839–47 (Eng. Abstr.) **(Jpn)**

[An aged patient with myocardial infarction without classical episodes of chest pain—chronological observation with thallium-201 myocardial scintigraphy] Hayashida K, et al. **Kaku Igaku** 1985 Oct;22(10):1363–7 **(Jpn)**

[Quantitative evaluation of coronary artery disease by 201Tl myocardial emission computed tomography—evaluation by circumferential profile analysis of regional distribution and washout rate] Ito T, et al. **Kaku Igaku** 1986 Jan;23(1):43–53 (Eng. Abstr.) **(Jpn)**

[Evaluation of cardiomyopathy in Duchenne muscular dystrophy by Tl-201 myocardial SPECT] Jinnouchi S, et al. **Kaku Igaku** 1985 Sep;22(9):1353–9 (Eng. Abstr.) **(Jpn)**

[The clinical significance of lung thallium uptake in stress thallium scan in cases with myocardial infarction] Kobayashi M, et al. **Kaku Igaku** 1985 Dec;22(12):1815–22 **(Jpn)**

[Cardiac functional mapping for thallium-201 myocardial perfusion, washout, wall motion and phase using single-photon emission computed tomography (SPECT)] Nakajima K, et al. **Kaku Igaku** 1986 Mar;23(3):251–8 (Eng. Abstr.) **(Jpn)**

[Evaluation of coronary artery disease by functional mapping of thallium-201 myocardial perfusion] Nakajima K, et al. **Kaku Igaku** 1986 May;23(5):473–9 (Eng. Abstr.) **(Jpn)**

[Severity of dilated cardiomyopathy (DCM)—in relation to the extension of a perfusion defect by thallium scan] Nishimura T, et al. **Kaku Igaku** 1986 Mar;23(3):243–50 (Eng. Abstr.) **(Jpn)**

[Evaluation of washout rate in the healthy myocardium using the stress thallium scan] Nishimura T, et al. **Kaku Igaku** 1985 Jul;22(7):989–97 (Eng. Abstr.) **(Jpn)**

[Measurement of the regional wash out rate in stress thallium-201 myocardial scintigraphy using single photon emission computed tomography—especially in the ischemic segment from coronary spasm and the myocardial infarction segment] Ohtake T, et al. **Kaku Igaku** 1985 Jun; 22(6):873–83 (Eng. Abstr.) **(Jpn)**

[Leg muscle perfusion study using Tl-201 single photon emission computed tomography (SPECT)] Oshima M, et al. **Kaku Igaku** 1986 Feb;23(2):153–9 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of 201Tl-chloride scintigraphy in breast tumors] Senga O, et al. **Kaku Igaku** 1985 Jul;22(7):1021–8 (Eng. Abstr.) **(Jpn)**

[Discrepancy between rest and delayed Tl-201 myocardial images in stress exercise test] Tanaka T, et al. **Kaku Igaku** 1986 Jan;23(1):73–8 **(Jpn)**

[Studies on portal systemic circulation by oral administration of a 201Tl enclosed enteric-coated capsule] Tonami N, et al. **Kaku Igaku** 1986 Mar;23(3):227–36 (Eng. Abstr.) **(Jpn)**

[Cardiac morphology in left ventricular hypertrophy using thallium-201 myocardial scintigraphy] Torii Y, et al. **Kaku Igaku** 1985 Jun;22(6):849–59 (Eng. Abstr.) **(Jpn)**

[Quantitative representation of stress 201Tl myocardial single photon emission computed tomography] Yamamoto S, et al. **Kaku Igaku** 1986 Feb;23(2):181–6 **(Jpn)**

[Serial changes in thallium-201 myocardial images in a patient with nontransmural myocardial infarction] Tanaka T, et al. **Kokyu To Junkan** 1986 Jan;34(1):89–96 (Eng. Abstr.) **(Jpn)**

[Pathogenesis of negative washout rate in stress thallium emission computed tomography of coronary artery disease—correlation with cine coronary angiographic findings] Koga Y, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Jan 25; 46(1):49–56 (Eng. Abstr.) **(Jpn)**

[The quantitative analysis of 201Tl myocardial emission computed tomography in patients with old myocardial infarctions] Matsushima H, et al. **Nippon Naika Gakkai Zasshi** 1985 Jun;74(6):765–73 **(Jpn)**

[Quantitative analysis of exercise thallium-201 emission computerized tomography] Okada M, et al. **Nippon Naika Gakkai Zasshi** 1985 Jul;74(7):909–16 **(Jpn)**

[Three cases of autonomously functioning thyroid nodules] Morita M, et al. **Rinsho Hoshasen** 1985 Jul;30(7):817–9 (Eng. Abstr.) **(Jpn)**

[Role of thallium myocardial scan in cardiovascular imaging] Nishimura T. **Rinsho Hoshasen** 1986 Apr;31(4):479–83 (Eng. Abstr.) **(Jpn)**

[Thallium-201 myocardial scintigraphy in patients with complete left bundle branch block] Okabe M, et al. **Rinsho Hoshasen** 1986 Feb;31(2):301–2 **(Jpn)**

[Clinical evaluation of 201Tl-scintigraphy with bronchial arterial administration] Shindo T, et al. **Rinsho Hoshasen** 1985 Dec;30(13):1529–36 (Eng. Abstr.) **(Jpn)**

[Pre- and post-PTCA Tl myocardial scintigraphy] Yamazaki J, et al. **Rinsho Hoshasen** 1986 Jan;31(1):99–100 **(Jpn)**

[Use of myocardial scintigraphy with 201T1 in combination with the dipyridamole test in patients with ischemic heart disease] Sidorenko BA, et al. **Kardiologiia** 1985 Dec; 25(12):26–30 (Eng. Abstr.) **(Rus)**

[Use of Tl-201 in the diagnosis of parietal left-ventricular thrombi] Laskin SA, et al. **Ter Arkh** 1986;58(3):31–3 (Eng. Abstr.) **(Rus)**

[Value of scintigraphy using T1-201 in evaluating the myocardial condition in patients with cardiomyopathy] Nazarenko SI, et al. **Ter Arkh** 1985;57(7):136–8 **(Rus)**

[Gammagraphy of the myocardium using 201Tl-chloride in the diagnosis of ischemic heart disease] Hupka S, et al. **Cesk Radiol** 1986 May;40(3):145–56 (Eng. Abstr.) **(Slo)**

METABOLISM

Hemodynamic determinants of thallium-201 lung uptake in patients during atrial pacing stress. Brown KA, et al. **Am Heart J** 1986 Jan;111(1):103–7

Implications of abnormal right ventricular thallium uptake in acute myocardial infarction. Nestico PF, et al. **Am J Cardiol** 1986 Aug 1;58(3):230–4

Myocardial kinetics of thallium-201 after stress in normal and perfusion-reduced canine myocardium. Okada RD. **Am J Cardiol** 1985 Dec 1;56(15):969–73

Ouabain-insensitive, halide-sensitive Tl+ uptake by canine iliac arteries. Rangachari PK, et al. **Biochim Biophys Acta** 1986 Jan 29;854(2):251–6

Effect of hyperaemia on thallium-201 redistribution in normal canine myocardium. Leppo JA, et al. **Cardiovasc Res** 1985 Nov;19(11):679–85

New aspects of cellular thallium uptake: Tl+-Na+-2Cl(-)-cotransport is the central mechanism of ion uptake. Sessler MJ, et al. **Nuklearmedizin** 1986 Feb; 25(1):24–7

[Washout of thallium-201 in the thyroid of euthyroid subjects] Indovina A, et al. **Boll Soc Ital Biol Sper** 1986 Apr 30;62(4):465–9 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

The action of thallium acetate on phasic transmitter release in the mouse neuromuscular junction. Wiegand H, et al. **Arch Toxicol** 1986 Apr;58(4):265–70

Effect of gramicidin A and thallium ions on cation effluxes in frog sartorius muscle. Shvinka NE, et al. **Gen Physiol Biophys** 1985 Oct;4(5):493–500

Effects of thallium on membrane currents at diastolic potentials in canine cardiac Purkinje strands. Cohen IS, et al. **J Physiol (Lond)** 1986 Jan;370:285–98

Impairment of Na+ transport across frog skin by Tl+: effects on turnover, area density and saturation kinetics of apical Na+ channels. Zeiske W, et al. **Pflugers Arch** 1986 Aug;407(2):145–52

Alteration of hepatocellular structure and function by thallium chloride: ultrastructural, morphometric, and biochemical studies. Woods JS, et al. **Toxicol Appl Pharmacol** 1986 Apr;83(2):218–29

POISONING

Thallium poisoning—a case report. Chakrabarti AK, et al. **J Trop Med Hyg** 1985 Aug;88(4):291–3

A letter on "Thallium concentrations in body fluids and tissues in a fatal case of thallium poisoning". Heath A. **Vet Hum Toxicol** 1985 Oct;27(5):433

[Thallium poisoning. Still a possible differential diagnosis in Denmark] Christensen J. **Ugeskr Laeger** 1986 Apr 7; 148(15):905–6 (Eng. Abstr.) **(Dan)**

[Peripheral neuropathy and attempted suicide] Rasi F, et al. **Riv Neurobiol** 1984 Apr-Sep;30(2-3):343–50 (Eng. Abstr.) **(Ita)**

[Thallium poisoning. Treatment with dithizone and evaluation with rhodamine B] Belloy Kuhn P, et al. **Rev Med Chil** 1985 Jan;113(1):45–7 (Eng. Abstr.) **(Spa)**

STANDARDS

[201-thallium chloride for myocardial scintigraphy: control of radionuclide purity] Bergamini C, et al. **Radiol Med (Torino)** 1985 Apr;71(4):248–51 (Eng. Abstr.) **(Ita)**

TOXICITY

Thallium-induced testicular toxicity in the rat. Formigli L, et al. **Environ Res** 1986 Aug;40(2):531–9

A review of thallium toxicology. Chandler HA, et al. **J R Nav Med Serv** 1986 Summer;72(2):75–9 (23 ref.)

Flavor aversions induced by thallium sulfate: importance of route of administration. Peele DB, et al. **Neurobehav Toxicol Teratol** 1986 May-Jun;8(3):273–7

THANATOLOGY see under **DEATH**

THANATOPHORIC DYSPLASIA see under **OSTEOCHONDRODYSPLASIAS**

THC see **TETRAHYDROCANNABINOL**

THEA see **TEA**

THEBAINE

ANALOGS & DERIVATIVES

In vivo opiate receptor binding of oripavines to mu, delta and kappa sites in rat brain as determined by an ex vivo labeling method. Richards ML, et al. **Eur J Pharmacol** 1985 Aug 27;114(3):343–53

Hybromet: a ligand for purifying opioid receptors. Archer S, et al. **J Med Chem** 1985 Dec;28(12):1950–3

Topological similarities between a cyclic enkephalin analogue and a potent opiate alkaloid: a computer-modeling approach. DiMaio J, et al. **J Med Chem** 1986 Sep; 29(9):1658–63

[Studies on irreversible binding opioid receptor agonists and antagonists. I. Synthesis of 7 alpha-amino-6, 14-endoetheno-tetrahydrooripavine derivatives] Qiu ZB, et al. **Yao Hsueh Hsueh Pao** 1984 Nov;19(11):812–8 (Eng. Abstr.) **(Chi)**

THECA CELL TUMOR

PATHOLOGY

Inflammatory fibroid polyp of the cecum, associated with adenomatous polyp and ovarian thecoma. Niv Y, et al. **Isr J Med Sci** 1985 Jul;21(7):624–6

THECA CELLS

CYTOLOGY

Differentiation of rat ovarian thecal cells: evidence for functional luteinization. Richards JS, et al. **Endocrinology** 1986 Apr;118(4):1660–8

METABOLISM

Influence of clomiphene citrate in vivo on subsequent steroid formation and gonadotropic responsiveness in vitro of isolated human follicular cells. Olsson JH, et al. **Acta Obstet Gynecol Scand** 1986;65(2):115–9

Steroidogenesis in porcine atretic follicles: loss of aromatase activity in isolated granulosa and theca. Maxson WS, et al. **Biol Reprod** 1985 Sep;33(2):495–501

Short term androgen production by rat ovarian follicles and long term steroidogenesis by thecal explants in culture. Bogovich K, et al. **Endocrinology** 1986 Apr;118(4):1379–86

Steroidogenesis in ovarian cells of the Japanese quail (Coturnix coturnix japonica). Asem E, et al. **Gen Comp Endocrinol** 1985 Dec;60(3):353–60

Effects of intermittent injections of LHRH on specific binding of 125I-labeled gonadotropins to granulosa and theca, and concentrations of steroids in serum and ovarian

follicles during postpartum anovulation in suckled beef cows. Spicer LJ, et al. **J Anim Sci** 1986 May;62(5):1324–31

125I-labelled hCG binding characteristics in theca interna and other tissues from Romney ewes and from Booroola x Romney ewes with and without a major gene influencing their ovulation rate. McNatty KP, et al.
J Reprod Fertil 1986 Jul;77(2):477–88

Decreased androstenedione production with increased follicular maturation in theca cells from the domestic hen (Gallus domesticus). Marrone BL, et al. **J Reprod Fertil** 1985 Jul;74(2):543–50

Steroidogenic and morphological characteristics of granulosa and thecal compartments of the differentiating rabbit corpus luteum in culture. Yuh KC, et al.
J Reprod Fertil 1986 Jan;76(1):267–77

Analysis of steroid metabolites produced by theca cells from the adult domestic hen. Marrone BL, et al.
J Steroid Biochem 1985 Sep;23(3):375–8

PATHOLOGY

Endocrine studies in a pregnancy complicated by ovarian theca lutein cysts and hyperreactio luteinalis. Bradshaw KD, et al. **Obstet Gynecol** 1986 Mar;67(3 Suppl):66S–69S

PHYSIOLOGY

Synergism between granulosa and theca-interstitial cells in estrogen biosynthesis by gonadotropin-treated rat ovaries: studies on the two-cell, two-gonadotropin hypothesis using steroid antisera. Liu YX, et al. **Biol Reprod** 1986 Aug; 35(1):27–36

Evidence for granulosa–theca interaction in the secretion of oxytocin by bovine ovarian tissue. Jungclas B, et al.
J Endocrinol 1986 Apr;109(1):R1–4

SECRETION

Treatment of severe androgen excess due to ovarian hyperthecosis with a long-acting gonadotropin-releasing hormone agonist. Steingold KA, et al.
Am J Obstet Gynecol 1986 Jun;154(6):1241–8

ULTRASTRUCTURE

Interstitial cells of Myotis myotis ovary during gestation. An ultrastructural study. Garcia P, et al.
Arch Anat Histol Embryol (Strasb) 1984;67:111–7

Degeneration of interstitial gland cells of normal and irradiated dog ovary. Spanel-Borowski K, et al.
Arch Anat Microsc Morphol Exp 1985;74(2):167–77

Fasting effect of the fine structure of the interstitial cells of the pregnant Myotis myotis ovary. García P, et al.
Z Mikrosk Anat Forsch 1985;99(4):656–62

THECOMA see **THECA CELL TUMOR**

THEFT

A developmental study of school theft. Dodson PK, et al.
Adolescence 1985 Fall;20(79):509–23

Guided hand or forgery? Jones DG. **J Forensic Sci Soc** 1986 May–Jun;26(3):169–73

Why do some anorexics steal? Personal, social and illness factors. Norton KR, et al. **J Psychiatr Res** 1985; 19(2–3):385–90

LEGISLATION & JURISPRUDENCE

Relative abuse of diazepam and oxazepam: prescription forgeries and theft/loss reports in Sweden. Bergman U, et al. **Drug Alcohol Depend** 1986 Feb;16(4):293–301

Once more unto the breech: the firearms evidence in the Sacco and Vanzetti case revisited: Part I. Starrs JE.
J Forensic Sci 1986 Apr;31(2):630–54

PREVENTION & CONTROL

Murders get the press, but theft is the problem. Wilkinson R. **Hospitals** 1986 Apr 5;60(7):97–8

THEILERIASIS

BLOOD

Intraerythrocytic multiplication of Theileria parva in vitro: an ultrastructural study. Conrad PA, et al.
Int J Parasitol 1986 Jun;16(3):223–9

Changes in blood chemical components during experimentally induced Theileria annulata infections in cattle. Yadav CL, et al. **Vet Parasitol** 1986 Jun;21(2):91–8

DRUG THERAPY

Chemotherapy of East Coast fever. Treatment of infections induced by isolates of Theileria parva with halofuginone. Dolan TT. **Acta Trop (Basel)** 1986 Jun;43(2):165–73

Effects of tetracarcin–A on bovine theileriosis in Japan. Ohtomo M, et al. **Nippon Juigaku Zasshi** 1985 Aug; 47(4):581–7

Treatment of field cases of East Coast fever with halofuginone lactate. Njau BC, et al.
Trop Anim Health Prod 1985 Nov;17(4):193–200

Efficacy of parvaquone and long-acting oxytetracycline in Theileria annulata infection. Bansal GC, et al.
Vet Parasitol 1986 Aug;21(3):145–9

Clinical trial of parvaquone for the treatment of East Coast fever in Kenya. Chema S, et al. **Vet Rec** 1986 May 24; 118(21):588–9

Treatment of theileriosis with parvaquone in Zambia. Musisi FL, et al. **Vet Rec** 1985 Sep 28;117(13):338–9

IMMUNOLOGY

New approaches to immunization of cattle against Theileria parva. Morrison WI, et al. **Dev Biol Stand** 1985;62:113–8 (21 ref.)

Comparative analysis of infection and transformation of lymphocytes from African buffalo and Boran cattle with Theileria parva subsp. parva and T. parva subsp. lawrencei. Baldwin CL, et al. **Infect Immun** 1986 Jul;53(1):186–91

Bovine T-cell clones infected with Theileria parva produce a factor with IL 2-like activity. Brown WC, et al.
Parasite Immunol 1986 Mar;8(2):189–92

A cell surface antigen associated with Theileria parva lawrencei-infected bovine lymphoid cells. Newson J, et al. **Parasite Immunol** 1986 Mar;8(2):149–58

Bovine cytotoxic T-cell clones specific for cells infected with the protozoan parasite Theileria parva: parasite strain specificity and class I major histocompatibility complex restriction. Goddeeris BM, et al.
Proc Natl Acad Sci USA 1986 Jul;83(14):5238–42

Induction of immunity against infection with Theileria parva (East Coast fever) in cattle using plasma membranes from parasitized lymphoblasts. Emery DL, et al.
Vet Parasitol 1986 Feb;19(3–4):321–7

Stage-specific antigenicity in Theileria annulata: a case report. Uilenberg G, et al. **Vet Q** 1986 Jan;8(1):73–5

OCCURRENCE

Maintenance of Theileria parva parva infection in an endemic area of Kenya. Young AS, et al. **Parasitology** 1986 Aug; 93 (Pt 1):9–16

Theileria orientalis occurs in Central Africa. Kiltz HH, et al. **Res Vet Sci** 1986 Mar;40(2):197–200

Epidemiology of theileriosis in calves in an endemic area of Kenya. Moll G, et al. **Vet Parasitol** 1986 Feb; 19(3–4):255–73

PARASITOLOGY

Comparative autoradiographic study of parasite–host–cell cyclical relationship in lymphoblastoid cell lines infected with Theileria annulata and Theileria parva in vitro. Jura WG, et al. **Vet Parasitol** 1985 Dec;18(4):339–48

Theileria taurotragi in Zambia. Jongejan F, et al. **Vet Q** 1986 Jul;8(3):261–3

PATHOLOGY

Chemotherapy of East Coast fever: the long term weight changes, carrier state and disease manifestations of parvaquone treated cattle. Dolan TT. **J Comp Pathol** 1986 Mar;96(2):137–46

Morphological findings in bovine cerebral theileriasis (BCT). Bader R, et al. **Zentralbl Veterinarmed** [A] 1986 May; 33(4):266–85

PREVENTION & CONTROL

The use of tissue culture attenuated live vaccine for Theileria hirci. Hooshmand-Rad P. **Dev Biol Stand** 1985;62:119–27

Immune effect of toxoplasma lysate antigen (TLA) on cattle against Theileria sergenti infection. Sato M, et al.
Nippon Juigaku Zasshi 1985 Dec;47(6):921–9

Effects of tick infestation on Boran (Bos indicus) cattle immunised against theileriosis in an endemic area of Kenya. De Castro JJ, et al. **Res Vet Sci** 1985 Nov;39(3):279–88

TRANSMISSION

The presence of Theileria sergenti in Haemaphysalis longicornis overwintering in pasture in Japan. Fujisaki K, et al. **Ann Trop Med Parasitol** 1985 Oct;79(5):519–24

VETERINARY

Theileria ornithorhynchi Mackerras, 1959 in the platypus, Ornithorhynchus anatinus (Shaw). Collins GH, et al.
J Wildl Dis 1986 Jan;22(1):19–24

THELAZIA see **THELAZIOIDEA**

THELAZIOIDEA

IMMUNOLOGY

Enzyme-linked immunosorbent assay for detection of antibody to Gnathostoma antigen in patients with intermittent cutaneous migratory swelling. Dharmkrong-at A, et al. **J Clin Microbiol** 1986 May;23(5):847–51

ISOLATION & PURIFICATION

Eyeworms (Thelazia lacrymalis) in one- to four-year-old Thoroughbreds at necropsy in Kentucky (1984 to 1985). Lyons ET, et al. **Am J Vet Res** 1986 Feb;47(2):315–6

PATHOGENICITY

[Experimental observations on the biological features and pathogenicity of Thelazia callipaeda parasitized in rabbits] Wang ZX, et al.
Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsu Chih 1985;3(2):128–30 (Eng. Abstr.) **(Chi)**

THEMATIC APPERCEPTION TEST

Comparing diagnostic validity of the TAT and a new picture projective test. Sharkey KJ, et al. **J Pers Assess** 1985 Aug; 49(4):406–12

[From the Thematic Apperception Test (TAT) to the Salzburg Thematic Construction Test. Remarks on an overdue test revision] Revers WJ, et al.
Z Klin Psychol Psychopathol Psychother 1985;33(4):305–12 (Eng. Abstr.) **(Ger)**

THENOYLTRIFLUOROACETONE see under **THIOPHENES**

THEOBROMINE

ANALOGS & DERIVATIVES

Drugs recently released in Belgium. Pentoxifylline and propafenone. Harvengt C. **Acta Clin Belg** 1985;40(4):258–60

Pentoxifylline, albumin excretion rate and proteinuria in type I and type II diabetic patients with microproteinuria. Results of a short-term randomized study. Solerte SB, et al. **Acta Diabetol Lat** 1986 Apr–Jun;23(2):171–7

The xanthine derivative 1-(5'-oxohexyl)-3-methyl-7-propyl xanthine (HWA 285) enhances the actions of adenosine. Fredholm BB, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Mar;58(3):187–92

Effects of the methylxanthine derivative pentoxifylline on benzodiazepine and muscarinic binding sites in rat cerebral cortex. Lowenstein PR, et al.
Acta Physiol Pharmacol Latinoam 1985;35(4):431–9

Drug therapy for peripheral arterial disease. Naide D.
Am Fam Physician 1986 Sep;34(3):215–7

Interference potential of pentoxifylline and its major metabolite with theophylline assays. Cummings DM, et al.
Am J Hosp Pharm 1985 Dec;42(12):2717–8

Further studies on the effects of pentoxifylline on sperm count and sperm motility in patients with idiopathic oligo-asthenozoospermia. Marrama P, et al. **Andrologia** 1985 Nov–Dec;17(6):612–6

Continuous infusion treatment with pentoxifylline in patients with severe peripheral vascular occlusive disease. Angelides NS. **Angiology** 1986 Aug;37(8):555–64

Pentoxifylline treatment in patients with occlusive peripheral arterial disease. Circulatory changes and effects on prostaglandin synthesis. Poggesi L, et al. **Angiology** 1985 Sep;36(9):628–37

Lack of antibacterial activity of pentoxifylline. Yu PK, et al. **Antimicrob Agents Chemother** 1986 Jul;30(1):170–1

Pentoxifylline (Trental) therapy for the vasculitis of atrophie blanche [letter] Sauer GC. **Arch Dermatol** 1986 Apr; 122(4):380–1

Pentoxifylline (Trental) therapy for vasculitis of pityriasis lichenoides et variioliformis [letter] Sauer GC.
Arch Dermatol 1985 Dec;121(12):1487

Successful treatment of Raynaud's phenomenon with pentoxifylline [letter] Goldberg J, et al. **Arthritis Rheum** 1986 Aug;29(8):1055–6

Intermittent claudication: a double-blind crossover trial of pentoxifylline. Gallus AS, et al. **Aust NZ J Med** 1985 Aug; 15(4):402–9

Reversal of glucose-induced inhibition of newborn rat liver mitochondrial maturation by administration of alkylxanthines at birth. Comte J, et al.
Biochem Pharmacol 1986 Jul 15;35(14):2411–6

Cytotoxic, cell cycle, and chromosomal effects of methylxanthines in human tumor cells treated with alkylating agents. Fingert HJ, et al. **Cancer Res** 1986 May; 46(5):2463–7

Warfarin versus dipyridamole–aspirin and pentoxifylline–aspirin for the prevention of prosthetic heart valve thromboembolism: a prospective randomized clinical trial. Mok CK, et al. **Circulation** 1985 Nov;72(5):1059–63

The effect of pentoxifylline on the energy metabolism of ischemic gerbil brain. Bluhm RE, et al.
Clin Neuropharmacol 1985;8(3):280–5

Haemorrheological improvement by pentoxifylline in patients with peripheral arterial occlusive disease. Perego MA, et al. **Curr Med Res Opin** 1986;10(2):135–8

Clinical investigation of the effects of pentoxifylline in patients with severe peripheral occlusive vascular disease. Sternitzky R, et al. **Curr Med Res Opin** 1985;9(9):602–10

The effect of pentoxifylline on filterability of normal red blood cells and their adhesiveness to cultured endothelial cells. Sowemimo-Coker SO, et al.
Eur J Clin Pharmacol 1985;29(1):55–9

Influence of fibrinolysis activation on leukocyte adhesiveness. Preliminary report. Lukjan H, et al.
Folia Haematol (Leipz) 1986;113(1–2):191–7

Pentoxifylline. A new drug review and case report. Pierce WL, et al. **J Am Podiatr Med Assoc** 1986 Jul;76(7):407–10

Determination of
1-(3'-carboxypropyl)-3,7-dimethylxanthine and
1-(4'-carboxybutyl)-3,7-dimethylxanthine, two major metabolites of oxpentifylline, in urine by high-performance liquid chromatography. Bryce TA, et al. **J Chromatogr** 1985 Nov 8;344:397–402

Determination of oxpentifylline and four metabolites in plasma and urine by automated capillary gas chromatography using nitrogen-selective detection. Burrows JL, et al. **J Chromatogr** 1985 Nov 8;344:187–98

Determination of pentoxifylline and a major metabolite, 3,7-dimethyl-1-(5'-hydroxyhexyl)xanthine, by high-performance liquid chromatography. Luke DR, et al. **J Chromatogr** 1986 Jan 10;374(1):191–5

Inhibition of pentoxifylline clearance by cimetidine. Luke DR, et al. **J Pharm Sci** 1986 Feb;75(2):155–7

Pharmacokinetics of orally administered pentoxifylline in humans. Smith RV, et al. **J Pharm Sci** 1986 Jan;75(1):47–52

Drug treatment of claudication: vasodilators, hemorrheologic agents, and antiserotonin drugs. Taylor LM Jr, et al. **J Vasc Surg** 1986 Feb;3(2):374–81

The effects of pentoxifylline on rat erythrocytes of different age. Kramer JJ, et al. **Mech Ageing Dev** 1985 Nov; 32(2–3):283–98

Diabetic retinal vascular complications and erythrocyte filtrability; results of a 2-year follow-up study with pentoxifylline. Solerte SB, et al. **Pharmatherapeutica** 1985; 4(6):341–50

The influence of pentoxifylline on skin-flap survival. Monteiro DT, et al. **Plast Reconstr Surg** 1986 Feb; 77(2):277–81

Effect of a single pentoxifylline administration on platelet sensitivity, plasma factor activity, plasma-6-oxo-PGF1 alpha and thromboxane B2 in healthy volunteers. Pohanka E, et al. **Prostaglandins Leukotrienes Med** 1986 May; 22(2):191–200

Pentoxifylline: cerebral blood flow and glucose utilization in conscious spontaneously hypertensive rats. Johansson BB. **Stroke** 1986 Jul–Aug;17(4):744–7

Effect of dipyridamole plus pentoxifylline in patients with diffuse cerebrovascular insufficiency [letter] Yayá R, et al. **Thromb Haemost** 1985 Dec 17;54(4):896

Antithrombotic effects of acetylsalicylic acid (ASA) and pentoxifylline in laser-induced thrombosis in rat mesenteric vessels. Weichert W, et al. **Vasa** 1985;14(3):280–4

Microbial models of mammalian metabolism: stereospecificity of ketone reduction with pentoxifylline. Davis PJ, et al. **Xenobiotica** 1985 Dec;15(12):1001–10

[Erythrocyte deformability in progressive muscular dystrophy and effect of pentoxifylline] Chen SS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Mar;85(3):249–57 (Eng. Abstr.) (Chi)

[Acute pentoxifylline poisoning in children] Garnier R, et al. **Ann Pediatr (Paris)** 1986 Jan;33(1):62–3 (Eng. Abstr.) (Fre)

[Long-term treatment of senile macular degeneration with Cosaldon A+E] Stark H. **Klin Monatsbl Augenheilkd** 1985 Oct;187(4):296–302 (Eng. Abstr.) (Ger)

[Studies with the computer-guided perimeter "Peritest" on the effect of Cosaldon A+E on glaucomatous visual field defects] Stark H. **Ophthalmologica** 1985;191(4):238–49 (Eng. Abstr.) (Ger)

[Effects of pentoxifylline on 5-hydroxytryptamine in the mouse brain] Kitatani T, et al. **Nippon Yakurigaku Zasshi** 1985 Nov;86(5):353–8 (Eng. Abstr.) (Jpn)

[Effect of acute "altitude" hypoxia on the transport function of the placenta of the rat with placental insufficiency and its correction using trental] Karymshakova KK. **Akush Ginekol (Mosk)** 1985 Dec;(12):60–1 (Rus)

[Correction of disorders of peripheral circulation with trental in children in the postoperative period] Doletskiĭ AS, et al. **Anesteziol Reanimatol** 1985 Jul–Aug;(4):56–8 (Eng. Abstr.) (Rus)

[Morphofunctional evaluation of the effect of trental on cerebral cortical perfusion in the postresuscitation period] Mutuskina EA, et al. **Anesteziol Reanimatol** 1985 Jul–Aug; (4):39–42 (Eng. Abstr.) (Rus)

[Preventive correction of hemostasis in patients with polycythemia vera] Kovaleva LG, et al. **Gematol Transfuziol** 1986 Feb;31(2):28–32 (Eng. Abstr.) (Rus)

[Effect of beta-adrenergic blockaders and trental on plasma levels of renin and aldosterone in healthy persons during antiorthostatic hypokinesia] Makoeva LD, et al. **Kardiologiia** 1985 Jun;25(6):40–2 (Eng. Abstr.) (Rus)

[Use of teonikol and trental in the combined treatment of patients with suppurative surgical infection and concomitant diabetes mellitus] Nuzov BG. **Klin Med (Mosk)** 1985 Dec;63(12):73–8 (Eng. Abstr.) (Rus)

[Treatment of duodenal ulcer with trental] Vorob'ev LP, et al. **Sov Med** 1986;(2):99–102 (Rus)

[Effect of hemosorption and the separate and combined use of obsidan, trental and colpharit on rheological and hemostatic properties of the blood in patients with unstable stenocardia] Dmitriev AA, et al. **Ter Arkh** 1986;58(5):68–73 (Eng. Abstr.) (Rus)

[Indications for using trental in the initial manifestations of inadequate blood supply to the brain] Eninia GI, et al. **Zh Nevropatol Psikhiatr** 1986;86(1):50–2 (Eng. Abstr.) (Rus)

BLOOD

Assessment of caffeine exposure: caffeine content of beverages, caffeine intake, and plasma concentrations of methylxanthines. Lelo A, et al. **Clin Pharmacol Ther** 1986 Jan;39(1):54–9

METABOLISM

Comparison of theophylline and theobromine metabolism in man. Birkett DJ, et al. **Drug Metab Dispos** 1985 Nov–Dec; 13(6):725–8

Influence of cimetidine, sulfinpyrazone, and cigarette smoking on theobromine metabolism in man. Miners JO, et al. **Drug Metab Dispos** 1985 Sep–Oct;13(5):598–601

Pharmacokinetics of theobromine in male rats in different traumatic conditions. Bortolotti A, et al. **Res Commun Chem Pathol Pharmacol** 1985 Oct;50(1):35–44

Diet-induced alterations in theobromine disposition and toxicity in the rat. Shively CA, et al. **Toxicol Appl Pharmacol** 1986 Jul;84(3):593–8

PHARMACODYNAMICS

Studies on methyl-xanthines in intact and hypophysectomised rats: differences in pharmacokinetics and adrenocortical response. Okyayuz GI, et al. **Life Sci** 1985 Sep 30;37(13):1201–11

Genotoxicity of theobromine in a series of short-term assays. Brusick D, et al. **Mutat Res** 1986 Mar;169(3):105–14

THERAPEUTIC USE

The bronchodilator effect and pharmacokinetics of theobromine in young patients with asthma. Simons FE, et al. **J Allergy Clin Immunol** 1985 Nov;76(5):703–7

TOXICITY

Evaluation of the teratogenic potential of cocoa powder and theobromine in New Zealand White rabbits. Tarka SM Jr, et al. **Food Chem Toxicol** 1986 May;24(5):363–74

Evaluation of the perinatal, postnatal and teratogenic effects of cocoa powder and theobromine in Sprague-Dawley/CD rats. Tarka SM Jr, et al. **Food Chem Toxicol** 1986 May; 24(5):375–82

THEOLOGY see **RELIGION**

THEOPHYLLINE

Comparative thermal properties of the monohydrates of sodium theophylline and theophylline. Serajuddin AT. **J Pharm Pharmacol** 1986 Feb;38(2):93–6

[Study of the release mechanism of theophylline from newly designed sustained release preparations] Nakazono N, et al. **Yakugaku Zasshi** 1985 Aug;105(8):760–9 (Eng. Abstr.) (Jpn)

ADMINISTRATION & DOSAGE

Food and fasting absorption of a single dose of a sustained release theophylline sprinkle formulation in children. Pedersen S, et al. **Allergy** 1986 Jan;41(1):46–50

Theophylline dosage in The Harriet Lane Handbook [letter] Cole CH. **Am J Dis Child** 1985 Nov;139(11):1073

Sustained-release theophylline preparations in asthmatic children. A short-term comparison of two products and the relationship of serum theophylline levels and pulmonary function changes. Rachelefsky G, et al. **Am J Dis Child** 1986 Apr;140(4):336–40

Comparison of morning and evening dosing with a 24-hour sustained-release theophylline, Uniphyl, for nocturnal asthma. Busse WW, et al. **Am J Med** 1985 Dec 20; 79(6A):62–6

Comparison of clinical effects and pharmacokinetics of once-daily Uniphyl and twice-daily Theo-Dur in asthmatic patients. Fairshter RD, et al. **Am J Med** 1985 Dec 20;79(6A):48–53

Pharmacokinetics and clinical response to single- and multiple-dose sustained-release theophylline compounds in perennial bronchial asthma. Fanta CH, et al. **Am J Med** 1985 Dec 20;79(6A):54–7

Study of two controlled-release theophylline preparations. Fink JN, et al. **Am J Med** 1985 Dec 20;79(6A):58–61

Comparison of morning versus evening dosing with a new once-daily oral theophylline formulation. Rivington RN, et al. **Am J Med** 1985 Dec 20;79(6A):67–72

Timing of once-a-day theophylline dose to match peak blood level with diurnal variation in severity of asthma. Welsh PW, et al. **Am J Med** 1986 Jun;80(6):1098–102

Theophyllines and food [letter] Goldenheim PD. **Am J Nurs** 1985 Oct;85(10):1069

Responses to large doses of salbutamol and theophylline in patients with chronic obstructive pulmonary disease. Filuk RB, et al. **Am Rev Respir Dis** 1985 Oct;132(4):871–4

A comparative study of the use of choline theophyllinate and a sustained-release theophylline in adults with chronic asthma. Chan KW, et al. **Ann Acad Med Singapore** 1985 Jul;14(3):470–4

Assessing the efficacy and safety of q. d. theophylline therapy: a multicenter study. Dockhorn RJ, et al. **Ann Allergy** 1985 Nov;55(5):658–64

Long-lasting protective effect of slow-release theophylline on asthma induced by ultrasonically nebulized distilled water. Fabbri LM, et al. **Ann Allergy** 1986 Feb;56(2):171–6

High theophylline doses required for asthma control. Jones LM. **Ann Allergy** 1986 Sep;57(3):185–7

Serum theophylline concentrations are not affected by coadministration of doxycycline. Seggev JS, et al. **Ann Allergy** 1986 Feb;56(2):156–7

Clinical and pharmacokinetic concerns of 24-hour dosing with theophylline. Weinberger M. **Ann Allergy** 1986 Jan; 56(1):2–12 (38 ref.)

Comparison of intravenous and oral routes of theophylline loading in acute asthma. Carrier JA, et al. **Ann Emerg Med** 1985 Dec;14(12):1145–51

Studies on the pharmacokinetics of theophylline in asthmatic patients following multiple oral dosing of a sustained-release theophylline tablet formulation. Takagi K, et al. **Arerugi** 1985 Nov;34(11):1006–14

Theo-Dur: no loss of sustained-release effect with chewing or crushing [letter] Reddrop CJ. **Aust NZ J Med** 1986 Feb; 16(1):82–3

The interaction between i.v. theophylline and chronic oral dosing with slow release nifedipine in volunteers. Jackson SH, et al. **Br J Clin Pharmacol** 1986 Apr;21(4):389–92

Slow release theophylline in chronic bronchitis--a comparative study. Evans WV. **Br J Clin Pract** 1986 Jun; 40(6):245–50

Once daily theophylline in childhood asthma. Levene S, et al. **Br J Dis Chest** 1986 Jan;80(1):66–71

The effects of thickness and hardness of the coating film on the drug release rate of theophylline granules coated with chitosan-sodium tripolyphosphate complex. Kawashima Y, et al. **Chem Pharm Bull (Tokyo)** 1985 Jun; 33(6):2469–74

Efficacy of inhaled metaproterenol and orally-administered theophylline in patients with chronic airflow obstruction. Dullinger D, et al. **Chest** 1986 Feb;89(2):171–3

Daily maintenance dose of a long-acting theophylline from a single theophylline serum level. Goldstein RS, et al. **Chest** 1986 Jan;89(1):103–8

Theophylline dose-dumping [letter] Spector SL, et al. **Chest** 1986 Feb;89(2):317–8

New FDA guidelines for theophylline dosing in infants [letter] Murphy JE, et al. **Clin Pharm** 1986 Jan;5(1):16

Accuracy of 11 methods for predicting theophylline dose. Rodvold KA, et al. **Clin Pharm** 1986 May;5(5):403–8

Inadequacy of FDA dosing guidelines for theophylline use in neonates. Gilman JT, et al. **Drug Intell Clin Pharm** 1986 Jun;20(6):481–4

Early use of oral theophylline in hospitalized chronic obstructive pulmonary disease patients: cost-containment through medical education. Self TH, et al. **Drug Intell Clin Pharm** 1985 Oct;19(10):749–53

Theophylline--how much is enough? Fairshter RD, et al. **J Allergy Clin Immunol** 1986 Apr;77(4):646–8

Comparison study of sustained-release theophylline products: Slo-bid capsules versus Theo-Dur tablets in 20 children and young adults with asthma. Hannaway PJ, et al. **J Allergy Clin Immunol** 1986 Mar;77(3):456–64

The effect of theophylline and enprofylline on allergen-induced bronchoconstriction. Pauwels R, et al. **J Allergy Clin Immunol** 1985 Oct;76(4):583–90

Once-a-day sustained-release theophylline: a clinical experience. Klein GL, et al. **J Asthma** 1986;23(2):45–7

Bioavailability and pharmacological effects of two slow-release theophylline preparations: intrasubject tablet-to-tablet variability. Rivera-Calimlim L, et al. **J Asthma** 1986;23(3):113–22

Evaluation of a sustained-release theophylline tablet in young asthmatics. Swigart SA, et al. **J Asthma** 1985;22(4):195–202

Evaluation of a scheme for establishing and maintaining dosage of theophylline in ambulatory patients with chronic asthma. Milavetz G, et al. **J Pediatr** 1986 Aug;109(2):351–4

Loading and maintenance dosage regimens for theophylline in horses. Button C, et al. **J Vet Pharmacol Ther** 1985 Sep; 8(3):328–30

Tracheal relaxation from combinations of xanthines and of a beta 2-receptor agonist and xanthines. Persson CG, et al. **Lung** 1986;164(1):33–40

Accidental coadministration of intravenous aminophylline and theophylline by mouth: a hazardous practice. Frewin DB, et al. **Med J Aust** 1986 Apr 28;144(9):481–2

The treatment of asthma [letter] Mira M, et al. **Med J Aust** 1985 Dec 9–23;143(12–13):633

Theophylline-ranitidine drug interaction in the beagle dog. Ritschel WA, et al. **Methods Find Exp Clin Pharmacol** 1985 Dec;7(12):631–6

Animal model for theophylline--cimetidine drug interaction. Ritschel WA, et al. **Methods Find Exp Clin Pharmacol** 1985 Dec;7(12):627–9

Slow-release theophylline (Theo-24) [letter] Coy LB. **NZ Med J** 1986 Feb 12;99(795):67

Slow release theophylline (Theo-24) [letter] Mahood CB, et al. **NZ Med J** 1986 Mar 12;99(797):165

Large theophylline requirements due to high theophylline clearance: verification by the antipyrine test. Blyden GT, et al. **Pharmacology** 1986;32(4):226–31

A comparative study of theophylline in a slow-release 'sprinkle' format with a standard syrup preparation in young children with asthma. Dawson KP. **Pharmatherapeutica** 1986;4(7):442–4

Chronic theophylline administration has no apparent effect on theophylline concentrations required to produce seizures in rats. Ramzan IM, et al. **Proc Soc Exp Biol Med** 1986 Jun;182(2):176–80

Enprofylline and theophylline slow-eroding tablets in the treatment of asthma: a comparison. Laursen LC, et al. **Respiration** 1986;50(1):57–61

Mode of administration of sustained-release tablets [letter] de Villiers FP. **S Afr Med J** 1986 Jun 7;69(12):730–1

Concerns about the Food and Drug Administration

guidelines for neonatal theophylline dosing [editorial] Gal P, et al. **Ther Drug Monit** 1986;8(1):1–3

[Role of a hypertonic theophylline solution and blood transfusion in necrotizing colitis] Sann L, et al. **Pediatrie** 1985 Jun;40(4):267–76 (Eng. Abstr.) **(Fre)**

[Use of a delayed-action theophylline for a single ingestion: morning or evening? (letter)] Reinberg A, et al. **Presse Med** 1986 Mar 22;15(12):581 **(Fre)**

[Transition from parenteral to oral theophylline therapy in asthmatic patients] Mayer L. **Fortschr Med** 1985 Oct 17; 103(39):923–6 (Eng. Abstr.) **(Ger)**

[Individual theophylline doses following ambulatory determination of theophylline clearance] Harder S, et al. **Prax Klin Pneumol** 1986 Aug;40(8):334–8 (Eng. Abstr.) **(Ger)**

[Clinical study on the efficacy and tolerance in childhood of a new microgranule preparation of theophylline] Boner AL, et al. **Clin Ter** 1985 Aug 31;114(4):295–300 (Eng. Abstr.) **(Ita)**

[Guidelines for determination of the optimum dosage of E-0686. A new sustained-release preparation of theophylline] Miyamoto T, et al. **Arerugi** 1986 Apr; 35(4):250–61 (Eng. Abstr.) **(Jpn)**

[How do we use theophyllines?] Gea J, et al. **Med Clin (Barc)** 1986 Mar 8;86(9):366–8 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Perforated gastric ulcer in an asthmatic treated with theophylline and steroids. Case report and literature review. Guss C, et al. **Ann Allergy** 1986 Mar;56(3):237–40

Theophylline and serum electrolytes [letter] Zantvoort FA, et al. **Ann Intern Med** 1986 Jan;104(1):134–5

Potentiation of the adverse effects of intravenous terbutaline by oral theophylline. Smith SR, et al. **Br J Clin Pharmacol** 1986 Apr;21(4):451–3

Cardiac arrhythmias during the combined use of beta-adrenergic agonist drugs and theophylline. Coleman JJ, et al. **Chest** 1986 Jul;90(1):45–51

Cardiac arrhythmias in patients with mild-to-moderate obstructive lung disease. Comparison of beta-agonist therapy alone and in combination with a xanthine derivative, enprofylline or theophylline. Conradson TB, et al. **Chest** 1985 Oct;88(4):537–42

Atrial arrhythmias exacerbated by theophylline. Response to verapamil and evidence for triggered activity in man. Marchlinski FE, et al. **Chest** 1985 Dec;88(6):931–4

A second case of infantile intracranial hemorrhage and severe neurological sequelae following theophylline overdose [letter] Woody RC, et al. **Dev Med Child Neurol** 1986 Feb; 28(1):121–2

An aborted human fetus with truncus arteriosus communis—possible teratogenic effect of Tedral. Matsuoka R, et al. **Heart Vessels** 1985 Aug;1(3):176–8

Role of theophylline in pathogenesis of necrotizing enterocolitis. Davis JM, et al. **J Pediatr** 1986 Aug; 109(2):344–7

Interaction between carbamazepine and theophylline [letter] Mitchell EA, et al. **NZ Med J** 1986 Feb 12;99(795):69–70

Influence of xanthines on gastroesophageal reflux in infants at risk for sudden infant death syndrome. Vandenplas Y, et al. **Pediatrics** 1986 Jun;77(6):807–10

[Aggressive behavior as a side effect of ethylenediamine (but not of theophylline)] Niggemann B. **Monatsschr Kinderheilkd** 1985 Jul;133(7):487 (Eng. Abstr.) **(Ger)**

ANALOGS & DERIVATIVES

Effects of cholera toxin and isobutylmethylxanthine on growth of human fibroblasts. Espinoza B, et al. **Am J Physiol** 1986 Aug;251(2 Pt 1):C238–46

Theophylline and dyphylline pharmacokinetics in the horse. Ayres JW, et al. **Am J Vet Res** 1985 Dec;46(12):2500–6

A comparative study of the use of choline theophyllinate and a sustained-release theophylline in adults with chronic asthma. Chan KW, et al. **Ann Acad Med Singapore** 1985 Jul;14(3):470–4

Animal pharmacology of the selective histamine H1-receptor antagonist tazifylline. Poizot A, et al. **Arzneimittelforschung** 1986 Apr;36(4):695–702

Bronchial and cardiovascular responses to inhaled reproterol in asthmatics: a double-blind placebo controlled dose-response study. Patchett P, et al. **Br J Clin Pharmacol** 1985 Oct;20(4):349–53

Effect of the adenosine antagonist 8-phenyltheophylline on glycerol-induced acute renal failure in the rat. Bowmer CJ, et al. **Br J Pharmacol** 1986 May;88(1):205–12

Sustained release choline theophyllinate in nocturnal asthma. Rhind GB, et al. **Br Med J [Clin Res]** 1985 Dec 7; 291(6509):1605–7

The use of 8-phenyltheophylline as a competitive antagonist of adenosine and an inhibitor of the intrinsic regulatory mechanism of the hepatic artery. Lautt WW, et al. **Can J Physiol Pharmacol** 1985 Jun;63(6):717–22

The antagonistic effects of 5-hydroxytryptamine and methylxanthine on the gill cilia of Mytilus edulis. Sanderson MJ, et al. **Cell Motil** 1985;5(4):293–309

Therapeutic activity of ambroxol theophyllinacetate in chronic obstructive pulmonary diseases. Primbs K. **Clin Ther** 1985;7(6):733–6

Effectors of rat lung cGMP binding protein-phosphodiesterase. Francis SH. **Curr Top Cell Regul** 1985;26:247–62

Fenetylline: therapeutic use, misuse and/or abuse. Kristen G, et al. **Drug Alcohol Depend** 1986 Jun;17(2–3):259–71

Fenetylline: new results on pharmacology, metabolism and kinetics. Nickel B, et al. **Drug Alcohol Depend** 1986 Jun; 17(2–3):235–57

Metabolism of doxophylline by rat liver microsomes. Grosa G, et al. **Drug Metab Dispos** 1986 Mar–Apr;14(2):267–70

Comparison of two calcium antagonists, verapamil and gallopamil (D-600), in exercise-induced asthma. Patel KR, et al. **Eur J Respir Dis** 1985 Oct;67(4):269–71

Stimulation by the phosphodiesterase inhibitor 3-isobutyl-1-methylxanthine of rat hepatic polyamine biosynthesis in vivo. van Rooijen LA, et al. **Int J Biochem** 1985;17(7):839–42

Assessment of bio(in)equivalence of deriphyllin-digoxin in human volunteers. Bansinath M, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Jan;24(1):30–3

Comparison of oral salbutamol with reproterol in reversible airway obstruction. Dubey GR, et al. **J Assoc Physicians India** 1986 Mar;34(3):179–82

Regulation of interleukin 1 production by mouse peritoneal macrophages. Effects of arachidonic acid metabolites, cyclic nucleotides, and interferons. Brandwein SR. **J Biol Chem** 1986 Jul 5;261(19):8624–32

Methylisobutylxanthine blocks insulin antagonism of cAMP-stimulated glycogenolysis at a site distinct from phosphodiesterase. Evidence favoring an insulin-insensitive calcium release mechanism. Gabbay RA, et al. **J Biol Chem** 1986 Mar 25;261(9):4002–7

Renal vascular effects of dilazep antagonized by 3-isobutyl-1-methyl-xanthine. Yukimura T, et al. **J Cardiovasc Pharmacol** 1986 May–Jun;8(3):649–55

Inhibition of cyclic nucleotide phosphodiesterases from pig coronary artery by benzo-separated analogues of 3-isobutyl-1-methylxanthine. Schneller SW, et al. **J Med Chem** 1986 Jun;29(6):972–8

Effects of caffeine and 8-phenyltheophylline on the actions of purines and opiates in the guinea-pig ileum. Ahlijanian MK, et al. **J Pharmacol Exp Ther** 1986 Jan;236(1):171–6

The effects of phosphodiesterase inhibitors and lanthanum ions on the light-sensitive current of toad retinal rods. Cervetto L, et al. **J Physiol (Lond)** 1986 Jan;370:91–109

Cardiac versus coronary vasodilator actions of isobutylmethylxanthine in dogs: comparison with theophylline. Takahashi K, et al. **Jpn J Pharmacol** 1986 May;41(1):23–32

Assessment of bio(in)equivalence of deriphyllin-digoxin in human volunteers. II. Evaluation of rabbits as qualitative animal model. Bansinath M, et al. **Methods Find Exp Clin Pharmacol** 1986 May;8(5):303–7

Effects of perinatal administration of isobutyl methylxanthine (IBMX) on [3H]-DA binding in the forebrain of the rat. Tehrani MH, et al. **Methods Find Exp Clin Pharmacol** 1986 Apr;8(4):197–201

Response of rat small intestinal active aldohexose transport to elevation of mucosal cyclic AMP by forskolin and 3-isobutyl-1-methylxanthine in vitro. Reymann A, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Dec; 331(4):384–92

Effects of drugs which influence noradrenergic activity on metenkephalin levels in specific brain areas. Morris B, et al. **Neuropeptides** 1986 Jan;7(1):27–30

In vitro study of dissolution rate of diphylline tablets. Rekkas DM, et al. **Pharm Acta Helv** 1986;61(5–6):164–6

The effects of nicotinic acid and xanthinol nicotinate on human memory in different categories of age. A double blind study. Loriaux SM, et al. **Psychopharmacology (Berlin)** 1985;87(4):390–5

Effect of pentagastrin on gastric acid secretion in the totally isolated vascularly perfused rat stomach stimulated with the phosphodiesterase inhibitor isobutyl methylxanthine. Kleveland PM, et al. **Scand J Gastroenterol** 1986 Jun; 21(5):577–84

[Bioavailability and tolerance of xanthinol nicotinate depot preparations. Comparison of a conventional 500 mg xanthinol nicotinate depot tablet with new 500 mg and 1 g depot tablets] von Schrader HW, et al. **Arzneimittelforschung** 1985;35(9):1468–72 (Eng. Abstr.) **(Ger)**

[Treatment of sudden deafness with xantinolnicotinate (Complamin) in increasing dosage] Halevy A, et al. **HNO** 1986 Jul;34(7):285–90 (Eng. Abstr.) **(Ger)**

[Intravenous infusion of reproterol (a beta-2-mimetic agent) in the therapy of severe asthma attacks in childhood] Hussein A, et al. **Monatsschr Kinderheilkd** 1986 Apr; 134(4):192–6 (Eng. Abstr.) **(Ger)**

[Bronchospasmolytic effectiveness of controlled drug combinations] Forche G, et al. **Wien Med Wochenschr** 1986 May 15;136(9):213–8 (Eng. Abstr.) **(Ger)**

[Clinico-functional study of the activity of a new xanthine derivative: bamifylline] Finiguerra M, et al. **Clin Ter** 1986 Jul 31;118(2):125–35 (Eng. Abstr.) **(Ita)**

[Clinical experience with bamifylline in children with asthmatic bronchitis or bronchial arthma] Mora P, et al. **Minerva Pediatr** 1986 Feb 28;38(3–4):119–23 (Eng. Abstr.) **(Ita)**

[Interactions between prostaglandins and 1,3-dimethylxanthine derivatives] Nechifor M, et al. **Rev Med Chir Soc Med Nat Iasi** 1985 Apr–Jun;89(2):283–6 (Eng. Abstr.) **(Rum)**

[Effect of complamine and nicospan on the cerebral blood flow and its regulation in changes in blood pressure] Nagornaia GV, et al. **Farmakol Toksikol** 1985 Sep–Oct; 48(5):55–9 (Eng. Abstr.) **(Rus)**

[Effect of complamin on the levels of ACTH, cortisol and lipids in the blood of elderly patients with ischemic heart disease] Gorbachev VV, et al. **Kardiologiia** 1986 May; 26(5):30–3 (Eng. Abstr.) **(Rus)**

[Effect of beta-adrenergic blockaders and trental on plasma levels of renin and aldosterone in healthy persons during antiorthostatic hypokinesia] Makoeva LD, et al. **Kardiologiia** 1985 Jun;25(6):40–2 (Eng. Abstr.) **(Rus)**

[Use of teonikol and trental in the combined treatment of patients with suppurative surgical infection and concomitant diabetes mellitus] Nuzov BG. **Klin Med (Mosk)** 1985 Dec;63(12):73–8 (Eng. Abstr.) **(Rus)**

[Effectiveness of teonikol in the treatment of patients with suppurative surgical infection and diabetes mellitus] Zabegal'skaia ZK, et al. **Vestn Khir** 1986 May;136(5):61–3 (Eng. Abstr.) **(Rus)**

[Nebetol in the treatment of bronchial asthma and chronic obstructive bronchitis] Popovac D, et al. **Placne Bolesti** 1985 Jan–Jun;37(1–2):106–9 (Eng. Abstr.) **(Ser)**

ANALYSIS

Reliability of salivary theophylline concentration monitoring in children with bronchial asthma following the administration of different drug formulations. Boner AL, et al. **Allergol Immunopathol (Madr)** 1985 Sep–Oct; 13(5):393–8

Use of a reversed-phase evaporation vesicle formulation for a homogeneous liposome immunoassay. Canova-Davis E, et al. **Clin Chem** 1986 Sep;32(9):1687–91

Determination of theophylline in saliva, using fluorescence polarization immunoassay (FPIA). Niemann A, et al. **J Clin Chem Clin Biochem** 1985 Nov;23(11):725–32

Dissolution of theophylline monohydrate and anhydrous theophylline in buffer solutions. de Smidt JH, et al. **J Pharm Sci** 1986 May;75(5):497–501

Comparison of methods for determining unbound theophylline concentrations. Stoehr GP, et al. **Ther Drug Monit** 1986;8(1):42–6

[Determination of caffeine and dimethylxanthines in biological fluids and tissues by high performance liquid chromatography] Nakazawa K, et al. **Yakugaku Zasshi** 1985 Sep;105(9):848–54 (Eng. Abstr.) **(Jpn)**

BLOOD

Sustained-release theophylline preparations in asthmatic children. A short-term comparison of two products and the relationship of serum theophylline levels and pulmonary function changes. Rachelefsky G, et al. **Am J Dis Child** 1986 Apr;140(4):336–40

Interference potential of pentoxifylline and its major metabolite with theophylline assays. Cummings DM, et al. **Am J Hosp Pharm** 1985 Dec;42(12):2717–8

Comparison of the Seralyzer and EMIT systems for determination of theophylline concentrations. Mansoud N, et al. **Am J Hosp Pharm** 1986 Jul;43(7):1722–6

Theophylline and dyphylline pharmacokinetics in the horse. Ayres JW, et al. **Am J Vet Res** 1985 Dec;46(12):2500–6

A rapid method of theophylline assay in the physician's office. Kaufman HS, et al. **Ann Allergy** 1986 Feb; 56(2):120–2

Evaluation of serum theophylline concentrations following administration of sustained-release beads in applesauce to asthmatic preschool children. Leeder JS, et al. **Ann Allergy** 1986 Feb;56(2):133–7

Evaluation of determination of theophylline concentrations by Seralyzer. Nguyen QC, et al. **Ann Allergy** 1986 Aug; 57(2):147–9

Serum theophylline concentrations are not affected by coadministration of doxycycline. Seggev JS, et al. **Ann Allergy** 1986 Feb;56(2):156–7

Theophylline and its fickle unpredictability of absorption. Szefler SJ. **Ann Allergy** 1985 Oct;55(4):580–3 (10 ref.)

Direct determination of theophylline in serum by fluoroimmunoassay using highly specific antibodies. Hodgkinson AJ, et al. **Ann Clin Biochem** 1985 Sep;22 (Pt 5):519–25

Serum theophylline and phenytoin levels: can we afford to do them? Can we afford not to? Kuhn G. **Ann Emerg Med** 1986 Mar;15(3):344–8

Rapid assay of serum theophylline levels. Reinecke T, et al. **Ann Emerg Med** 1986 Feb;15(2):147–51

Furosemide and theophylline [letter] Carpentiere G, et al. **Ann Intern Med** 1985 Dec;103(6 (Pt 1)):957

Effect of a methylxanthine preparation in the form of a retention enema on pulmonary function and theophylline levels in patients with acute bronchospasm. Dorow P, et al. **Arzneimittelforschung** 1986 Jun;36(6):974–6

Normal metabolism of debrisoquine and theophylline in a slow tolbutamide metaboliser. Miners JO, et al. **Aust NZ J Med** 1985 Jun;15(3):348–9

The rise and fall of serum theophylline concentration: a comparison of sustained-release formulations in volunteers with rapid theophylline clearance. Mucklow JC, et al. **Br J Clin Pharmacol** 1985 Dec;20(6):589–96

Circadian variation in theophylline 'trough' serum concentrations [letter] Smolensky MH, et al.

Br J Clin Pharmacol 1985 Dec;20(6):718–20

Interaction of theophylline with bovine serum albumin and competitive displacement by benzoic acid. Nishijo J, et al. **Chem Pharm Bull (Tokyo)** 1985 Jul;33(7):2648–53

Miocamycin and theophylline blood levels. Rimoldi R, et al. **Chemioterapia** 1986 Jun;5(3):213–6

Evaluation of serum theophylline measurement using a test-strip [letter] Turkington VE, et al. **Chest** 1986 Apr; 89(4):616–7

Erythrocyte binding of theophylline, determined by the EMIT system. Bruguerolle B. **Clin Chem** 1986 May; 32(5):896–7

Fluorescence polarization immunoassay for theophylline modified for use with dried blood spots on filter paper. Li PK, et al. **Clin Chem** 1986 Mar;32(3):552–5

Seralyzer ARIS and Abbott TDx theophylline II assay systems compared [letter] Volcich RB, et al. **Clin Chem** 1985 Nov;31(11):1912

The use of a rapid theophylline assay in the ambulatory setting. Munzenberger PJ, et al. **Clin Pediatr (Phila)** 1986 Sep;25(9):448–52

Applying decision analysis in therapeutic drug monitoring: using decision trees to interpret serum theophylline concentrations. Schumacher GE, et al. **Clin Pharm** 1986 Apr;5(4):325–33

Theophylline pharmacokinetics in pregnancy. Frederiksen MC, et al. **Clin Pharmacol Ther** 1986 Sep;40(3):321–8

Assessment of caffeine exposure: caffeine content of beverages, caffeine intake, and plasma concentrations of methylxanthines. Lelo A, et al. **Clin Pharmacol Ther** 1986 Jan;39(1):54–9

Serum drug fluctuations after administration of two sustained-release oral theophylline preparations in asthmatic children. Logvinoff MM, et al. **Clin Ther** 1986; 8(2):175–80

Evaluation of the Ames Seralyzer for therapeutic drug monitoring of theophylline. Vaughan LM, et al. **Drug Intell Clin Pharm** 1986 Feb;20(2):118–21

Spiramycin has no effect on serum theophylline in asthmatic patients. Debruyne D, et al. **Eur J Clin Pharmacol** 1986; 30(4):505–7

Early estimate of theophylline clearance during intravenous infusion. Rizzo A, et al. **Eur J Respir Dis** 1986 Apr; 68(4):291–7

Elevated serum theophylline concentration following cessation of erythromycin treatment. Wiggins J, et al. **Eur J Respir Dis** 1986 Apr;68(4):298–300

Pharmacokinetics of ofloxacin and theophylline alone and in combination. Fourtillan JB, et al. **Infection** 1986;14 Suppl 1:S67–9

Serum theophylline and ventilatory function in chronic obstructive lung disease. Comparison between two slow-release formulations of theophylline. Tantucci C, et al. **Int J Clin Pharmacol Ther Toxicol** 1985 Oct;23(10):560–4

New simplified microassay for the quantitation of theophylline and its major metabolites in serum by high-performance liquid chromatography. Kester MB, et al. **J Chromatogr** 1986 Jul 11;380(1):99–108

Two high-performance liquid chromatographic methods for quantitation of theophylline in plasma. Park YH, et al. **J Chromatogr** 1985 Oct 11;343(2):359–67

Intraindividual changes in theophylline clearance during constant aminophylline infusion in children with acute asthma. Kubo M, et al. **J Pediatr** 1986 Jun;108(6):1011–5

Clinical and bronchodilating efficacy of controlled-release theophylline as a function of its serum concentrations in preschool children. Neijens HJ, et al. **J Pediatr** 1985 Nov; 107(5):811–5

Multicentre evaluation of disposable visual measuring device to assay theophylline from capillary blood sample. Vaughan LM, et al. **Lancet** 1986 Jan 25;1(8474):184–6

Office tests for serum theophylline. **Med Lett Drugs Ther** 1985 Dec 6;27(702):102–3

Determination of theophylline in serum by a simple enzyme method and by liquid chromatography. Van Oostveen JJ, et al. **Pharm Weekbl [Sci]** 1985 Oct 25;7(5):181–5

The effect of the 4-quinolone enoxacin on plasma theophylline concentrations. Wijnands WJ, et al. **Pharm Weekbl [Sci]** 1986 Feb 21;8(1):42–5

Ethyl lactate-ethanol-water cosolvent for intravenous theophylline. Christensen JM, et al. **Res Commun Chem Pathol Pharmacol** 1985 Oct; 50(1):147–50

Experience with a computer-based technique for estimating pharmacokinetic constants from limited data. Bachmann K, et al. **Ther Drug Monit** 1985;7(3):258–64

Falsely elevated theophylline value with the Ames Seralyzer [letter] Berg A, et al. **Ther Drug Monit** 1986;8(3):383–4

Clinical evaluation of a dry chemistry strip theophylline assay. Cheung CM, et al. **Ther Drug Monit** 1986;8(2):205–10

Cimetidine-theophylline interaction: effects of age and cimetidine dose. Cohen IA, et al. **Ther Drug Monit** 1985; 7(4):426–34

Computer prediction of serum theophylline concentrations in ambulatory patients. Deci PA, et al. **Ther Drug Monit** 1985;7(4):421–5

Single-reagent polarization fluoroimmunoassay for theophylline in serum. Hodgkinson AJ, et al. **Ther Drug Monit** 1986;8(2):236–40

Caffeine interference with the CANAM-theophylline reagent kit [letter] Kampa IS, et al. **Ther Drug Monit** 1985; 7(4):489–90

Comparison of high pressure liquid chromatography and fluorescence polarization immunoassay methods in a theophylline pharmacokinetic study. Lalonde RL, et al. **Ther Drug Monit** 1985;7(4):442–6

Comparison of particle-enhanced turbidimetric inhibition immunoassay and fluorescence polarization immunoassay using monoclonal antibodies for theophylline. Lawrence JL, et al. **Ther Drug Monit** 1986;8(2):228–31

Comparison between theophylline analysis by nephelometric inhibition immunoassay and high performance liquid chromatography. Mordelet-Dambrine M, et al. **Ther Drug Monit** 1986;8(1):106–10

Determination of serum theophylline by apoenzyme reactivation immunoassay system. Plebani M, et al. **Ther Drug Monit** 1985;7(4):451–4

Circadian variation in steady-state trough theophylline concentrations. Reed RC, et al. **Ther Drug Monit** 1986; 8(2):155–60

Evaluation of a mouse monoclonal antibody for the determination of serum theophylline by fluorescence polarization immunoassay. Ross CA, et al. **Ther Drug Monit** 1985;7(3):355–7

[TLC determination of theophylline in plasma] Li BY, et al. **Yao Hsueh Hsueh Pao** 1985 May;20(5):398–400 (Eng. Abstr.) **(Chi)**

[Monitoring serum concentrations of theophylline during aminophylline infusion therapy] Pražáková J, et al. **Cas Lek Cesk** 1985 Oct 25;124(43):1332–5 (Eng. Abstr.) **(Cze)**

[Therapeutic concentrations of theophylline and caffeine during treatment of apnea in premature infants with theophylline] Alix D, et al. **Arch Fr Pediatr** 1985 Jun-Jul; 42(6):465–9 (Eng. Abstr.) **(Fre)**

[Serum levels and bronchodilatation after intravenous administration of theophylline in asthmatic patients] Andrejak M, et al. **Rev Pneumol Clin** 1986;42(2):82–6 (Eng. Abstr.) **(Fre)**

[Changes in plasma levels of theophylline in therapeutic combination with cimetidine and ranitidine] Gianotti A, et al. **Clin Ter** 1986 Feb 28;116(4):303–6 (Eng. Abstr.) **(Ita)**

[Serum concentration and clinical efficacy of drugs in pulmonary and cardiac disease] Ikeda H, et al. **Rinsho Byori** 1985 Jul;33(7):781–7 (13 ref.) **(Jpn)**

[Blood theophylline in patients treated with intravenous aminophylline] Curull V, et al. **Med Clin (Barc)** 1986 Mar 8;86(9):363–5 (Eng. Abstr.) **(Spa)**

[Non-lineal kinetic behavior of theophylline. Apropos of a case (letter)] Izquierdo I, et al. **Med Clin (Barc)** 1986 Feb 1;86(4):177 **(Spa)**

IMMUNOLOGY

[Immunotropic activity of the cAMP phosphodiesterase inhibitors caffeine and theophylline] Rubtsova ER, et al. **Farmakol Toksikol** 1986 May-Jun;49(3):74–7 (Eng. Abstr.) **(Rus)**

METABOLISM

Food-induced dose dumping of Theo-24. Hendeles L, et al. **Am Pharm** 1985 Oct;NS25(10):8–9

Theophylline clearance in patients with severe chronic obstructive pulmonary disease receiving supplemental oxygen and the effect of acute hypoxemia. Cusack BJ, et al. **Am Rev Respir Dis** 1986 Jun;133(6):1110–4

Postanesthetic theophylline elimination [letter] Nakatsu K, et al. **Anesth Analg** 1986 Apr;65(4):423

Studies on the pharmacokinetics of theophylline and its effect on respiratory impedance in asthmatic patients after multiple oral dosing of a sustained-release theophylline tablet formulation. Takagi K, et al. **Arerugi** 1986 May; 35(5):320–8

Theo-Dur: no loss of sustained-release effect with chewing or crushing. MacKintosh DA, et al. **Aust NZ J Med** 1985 Jun;15(3):351–2

Changes in theophylline metabolism during postnatal development in rat liver slices. Gorodischer R, et al. **Biochem Pharmacol** 1986 Sep 15;35(18):3077–81

Pharmacokinetics of theophylline in protein-calorie malnutrition. Jung D. **Biopharm Drug Dispos** 1985 Jul-Sep; 6(3):291–9

Selectivity and dose-dependency of the inhibitory effect of propranolol on theophylline metabolism in man. Miners JO, et al. **Br J Clin Pharmacol** 1985 Sep;20(3):219–23

Arbaprostil (15(R)-15-methyl PGE2): lack of effect on theophylline metabolism. Reele SB, et al. **Br J Clin Pharmacol** 1986 Feb;21(2):239–41

Enoxacin decreases the clearance of theophylline in man. Wijnands WJ, et al. **Br J Clin Pharmacol** 1985 Dec; 20(6):583–8

An open steady-state pharmacokinetic study to compare Pro-Vent and Phyllocontin in asthmatic patients. O'Donnell D, et al. **Br J Clin Pract** 1986 Aug;40(8):318–22

Theophylline pharmacokinetics in patients with mild or severe airway obstruction. Rizzo A, et al. **Bull Eur Physiopathol Respir** 1982 Nov-Dec;18(6):811–8

Limitation of theophylline elimination by reduced oxygen availability in mouse hepatocytes and rat isolated livers. Nakatsu K. **Can J Physiol Pharmacol** 1985 Aug;63(8):903–7

Binding parameters of theophylline and aminophylline to bovine serum albumin. Nishijo J, et al. **Chem Pharm Bull (Tokyo)** 1985 Jun;33(6):2522–4

Clinical pharmacokinetics of amoxycillin and theophylline during cotreatment with both medicaments. Jonkman JH, et al. **Chemotherapy** 1985;31(5):329–35

Theophylline and its interactions. Slugg PH, et al. **Cleve Clin Q** 1985 Fall;52(3):417–24

Theophylline pharmacokinetics in adolescent females following coadministration of oral contraceptives. Koren G, et al. **Clin Invest Med** 1985;8(3):222–6

Theophylline pharmacokinetics in paraplegic subjects. Segal JL, et al. **Clin Pharm** 1985 Jul-Aug;4(4):448–51

Theophylline. Pooled Michaelis-Menten parameters (Vmax and Km) and implications. Wagner JG. **Clin Pharmacokinet** 1985 Sep-Oct;10(5):432–42 (28 ref.)

No "dose-dumping" with once-a-day Uniphyl [letter] Goldenheim PD. **Clin Pharmacol Ther** 1986 May; 39(5):598–9

Effects of dietary protein on theophylline pharmacokinetics and caffeine and aminopyrine breath tests. Juan D, et al. **Clin Pharmacol Ther** 1986 Aug;40(2):187–94

Food-induced changes in theophylline absorption from controlled-release formulations. Part II. Importance of meal composition and dosing time relative to meal intake in assessing changes in absorption. Karim A, et al. **Clin Pharmacol Ther** 1985 Dec;38(6):642–7

Ranitidine at very large doses does not inhibit theophylline elimination. Kelly HW, et al. **Clin Pharmacol Ther** 1986 May;39(5):577–81

Pharmacokinetics of theophylline in premature infants on the first day of life. Stile IL, et al. **Clin Ther** 1986;8(3):336–41

Influence of continuous gastric suction on theophylline clearance in a newborn. Boer HR, et al. **Dev Pharmacol Ther** 1985;8(5):280–3

Ineffectiveness of probenecid in theophylline kinetics and excretion [letter] Marquardt ED, et al. **Drug Intell Clin Pharm** 1985 Nov;19(11):840

Smokeless tobacco and theophylline clearance [letter] Rockwood R, et al. **Drug Intell Clin Pharm** 1986 Jul-Aug; 20(7-8):624–5

Comparison of theophylline and theobromine metabolism in man. Birkett DJ, et al. **Drug Metab Dispos** 1985 Nov-Dec; 13(6):725–8

Elimination kinetics of theophylline in the rabbit: effect of age and sex. Canada A, et al. **Drug Metab Dispos** 1986 May-Jun;14(3):372–4

Urine flow dependence of renal clearance and interrelation of renal reabsorption and physicochemical properties of drugs. Komiya I. **Drug Metab Dispos** 1986 Mar-Apr; 14(2):239–45

Different effects of different nutrients on theophylline absorption in man. Johansson O, et al. **Drug Nutr Interact** 1985;3(4):205–11

Methods of comparing pharmacokinetics of slow release preparations: a comparison of "Theo-Dur" and "Phyllocontin" in patients with asthmaJackson SH, et al. **Eur J Clin Pharmacol** 1986;30(3):313–7

The relationship between clearance of theophylline and age within the adult age range. Jackson SH, et al. **Eur J Clin Pharmacol** 1985;29(2):177–9

Pharmacokinetics of theophylline and enprofylline in patients requiring a high or low dose of theophylline. Laursen LC, et al. **Eur J Clin Pharmacol** 1985;29(1):115–7

Circadian changes in the absorption and elimination of theophylline in patients with bronchial obstruction. Uematsu T, et al. **Eur J Clin Pharmacol** 1986;30(3):309–12

Comparison of single and multiple dose pharmacokinetics of theophylline using stable isotopes. Vestal RE, et al. **Eur J Clin Pharmacol** 1986;30(1):113–20

Pharmacokinetics of theophylline and its metabolites in rabbits. Celardo A, et al. **Eur J Drug Metab Pharmacokinet** 1985 Oct-Dec; 10(4):279–88

Cimetidine versus famotidine: the effect on the pharmacokinetics of theophylline in rats. Mojaverian P, et al. **Eur J Drug Metab Pharmacokinet** 1985 Apr-Jun; 10(2):155–9

Rational theophylline use in older asthmatics. Koenig HG, et al. **Geriatrics** 1986 Aug;41(8):49–55

Theophylline pharmacokinetics in patients from a geriatric hospital: influence of cigarette smoking. Trembath PW, et al. **Hum Toxicol** 1986 Jul;5(4):265–8

Effect of sustained-release on the pharmacokinetics of theophylline in healthy subjects. Bialer M, et al. **Int J Clin Pharmacol Ther Toxicol** 1985 Dec;23(12):662–7

Clinical pharmacokinetics of theophylline during co-treatment with cefaclor. Jonkman JH, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Feb;24(2):88–92

Influence of food on the rate and extent of absorption of theophylline after single dose oral administration of a controlled release tablet. Lagas M, et al. **Int J Clin Pharmacol Ther Toxicol** 1985 Aug;23(8):424–6

Rapid estimation of total body clearance of theophylline in patients receiving intravenous aminophylline infusion. Lau AH, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Jan; 24(1):12–5

Effect of food on bioavailability and pharmacokinetics of theophylline following administration of two sustained release dosage forms: Part I. Ohmori N, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Mar;24(3):148–52

Study of bioavailability and pharmacokinetics of theophylline following administration of two sustained release dosage forms as assessed by salivary data: Part II. Ohmori N, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Apr;

24(4):196–201
Steady-state evaluation of twice-a-day dosing of a new sustained-release theophylline preparation for young children. Welch MJ, et al. **J Asthma** 1985;22(5):249–52
Theophylline absorption in young asthmatic children receiving sustained-release formulations. Haltom JR, et al. **J Pediatr** 1985 Nov;107(5):805–10
Comparative pharmacokinetics of theophylline and ethylenediamine following single and repeated doses of a sustained-release aminophylline preparation to volunteers. Cotgreave IA, et al. **J Pharm Pharmacol** 1985 Sep; 37(9):618–21
The influence of oxygen tension on theophylline clearance in the rat isolated perfused liver. Miller R, et al. **J Pharm Pharmacol** 1986 Mar;38(3):236–8
Lack of influence of co-trimoxazole on theophylline pharmacokinetics. Jonkman JH, et al. **J Pharm Sci** 1985 Oct;74(10):1103–4
New method for bioavailability assessment of slow-release preparations of theophylline. Kasuya Y, et al. **J Pharmacokinet Biopharm** 1985 Dec;13(6):571–87
Slow-release theophylline (THEO-24) [letter] Mahood CB, et al. **NZ Med J** 1986 Jan 22;99(794):21
Theophylline clearance during pregnancy. Carter BL, et al. **Obstet Gynecol** 1986 Oct;68(4):535–9
The absolute bioavailability of oral theophylline in patients with spinal cord injury. Segal JL, et al. **Pharmacotherapy** 1986 Jan–Feb;6(1):26–9
Relationship between plasma and stimulated-saliva concentrations of theophylline in asthmatic children. Krivoy N, et al. **Pharmatherapeutica** 1985;4(5):285–7
The effect of chrysene and some polycyclic aromatic hydrocarbons on the elimination of theophylline in rats. Brandys J, et al. **Pharmazie** 1985 Aug;40(8):566–8
Impact of cefaclor on the pharmacokinetics of theophylline. Bachmann K, et al. **Ther Drug Monit** 1986;8(2):151–4
Factors influencing theophylline disposition in 179 newborns. Gilman JT, et al. **Ther Drug Monit** 1986;8(1):4–10
Evaluation of the effect of variability in the volume of distribution of theophylline on the predictability of the iterative and the Chiou methods using computer simulations. Pancorbo S. **Ther Drug Monit** 1986;8(3):269–73
Ozone-induced inhibition of theophylline elimination in rabbits: effect of age and sex. Canada AT, et al. **Toxicol Appl Pharmacol** 1985 Oct;81(1):43–9
Polymorphisms of antipyrine and theophylline metabolism in man: molecular and clinical implications. Vesell ES. **Xenobiotica** 1986 May;16(5):401–20
[Comparison between in vitro dissolution and in vivo absorption of a new form of delayed-action theophylline] Brazier JL, et al. **Ann Pharm Fr** 1985;43(1):55–60 (Eng. Abstr.) (Fre)
[Influence of food on the bioavailability of theophylline in a delayed-release dosage form (Dilatrane AP) (letter)] Flouvat B, et al. **Therapie** 1986 Mar–Apr;41(2):144–5 (Fre)
[Pharmacokinetics and biologic availability of a new theophylline sustained-release preparation] Brüller W, et al. **Arzneimittelforschung** 1985;35(12):1854–9 (Eng. Abstr.) (Ger)
[Pharmacokinetics of oral theophylline. Comparison between asthmatic and cystic fibrosis patients] Repetto T, et al. **Pediatr Med Chir** 1985 Nov–Dec;7(6):823–5 (Eng. Abstr.) (Ita)

PHARMACODYNAMICS

Theophylline blunts the GH-response to growth hormone releasing hormone in normal subjects. Losa M, et al. **Acta Endocrinol (Copenh)** 1986 Aug;112(4):473–80
Bronchodilating plasma concentrations of enprofylline and theophylline have minor cardiovascular effects in man. Conradson TB. **Acta Pharmacol Toxicol (Copenh)** 1986 Mar; 58(3):204–8
Inhibition of allergen-induced early reactions in atopic skin by salbutamol and theophylline. Grönneberg R. **Agents Actions** 1985 Sep;16(6):501–3
Effect of theophylline on the proportion and function of T-suppressor cells in asthmatic children. Lahat N, et al. **Allergy** 1985 Aug;40(6):453–7
Theophylline reduces the response to nasal challenge with antigen. Naclerio RM, et al. **Am J Med** 1985 Dec 20; 79(6A):43–7
Effects of theophylline and cAMP on Amphiuma small intestine [letter] White JF. **Am J Physiol** 1986 Aug;251(2 Pt 1):G285
Comparative effects of theophylline and adenosine on respiratory skeletal and smooth muscle. Supinski GS, et al. **Am Rev Respir Dis** 1986 May;133(5):809–13
Effects of theophylline on isolated diaphragmatic fibers. A model for pharmacologic studies on diaphragmatic contractility. Viires N, et al. **Am Rev Respir Dis** 1986 Jun; 133(6):1060–4
Effects of dibutyryl cyclic AMP and theophylline on in-vitro development of the secondary palate in the embryonic chick. Tyler MS. **Arch Oral Biol** 1986;31(4):261–5
Grip strength test and infrared thermometry as non-invasive methods to complement acute toxicity data in mice. Nordmann H. **Arch Toxicol [Suppl]** 1985;8:435–41
Metabolism of glucose by preimplantation mouse embryos in the presence of glucagon, insulin, epinephrine, cAMP, theophylline and caffeine. Wales RG, et al. **Aust J Biol Sci** 1985;38(4):421–8
Inhibitory effects of theophylline and dibutyryl cAMP on murine erythroleukemia cell differentiation. Sherman ML, et al. **Biochem Biophys Res Commun** 1986 Jan 29; 134(2):845–51
cis-Diamminedichloroplatinum(II) (DDP)-induced crosslinking and crosslink removal in L1210 cells in vitro after theophylline co-treatment. Ducore JM. **Biochem Pharmacol** 1986 Feb 15;35(4):607–11
Protective effect of theophylline on histamine-induced bronchoconstriction in asthmatic children. Levene S, et al. **Br J Clin Pharmacol** 1986 Apr;21(4):445–9
Theophylline-sensitive modulation of non-cholinergic excitatory neurotransmission in the guinea-pig ileum. Barthó L, et al. **Br J Pharmacol** 1985 Oct;86(2):315–7
Effect of chronic exposure to methylxanthines on diazepam cerebral binding in female rats and their offsprings. Daval JL, et al. **Brain Res** 1986 Jun;392(1–2):175–80
Antagonism by theophylline of the adenosine receptor agonist 5'-N-ethylcarboxamidoadenosine at the guinea pig ileum. Christofi FL, et al. **Can J Physiol Pharmacol** 1985 Sep;63(9):1195–7
Fragile sites: overview, occurrence in acute nonlymphocytic leukemia and effects of caffeine on expression. Glover TW, et al. **Cancer Genet Cytogenet** 1986 Jan 1;19(1–2):141–50
Effect of in vitro colchicine and oral theophylline on suppressor cell function of asthmatic patients. Ilfeld D, et al. **Clin Exp Immunol** 1985 Aug;61(2):360–7
Cardiovascular effects of enprofylline and theophylline. Esquivel M, et al. **Clin Pharmacol Ther** 1986 Apr; 39(4):395–402
Effect of phorbol esters on glucagon secretion from a glucagon-secreting clonal cell line. Synergistic effects of A23187 and theophylline. Ono J, et al. **Diabetes Res Clin Pract** 1986 Apr;2(1):29–34
Avidin induction by theophylline in vivo and in vitro. Niemelä AO, et al. **Endocrinology** 1986 Jun;118(6):2319–23
Enprofylline: pharmacokinetics and comparison with theophylline of acute effects on bronchial reactivity in normal subjects. Kluge TB, et al. **Eur J Clin Pharmacol** 1986;30(1):21–5
Actions and interactions of adenosine, theophylline and enprofylline on the guinea-pig spirally cut trachea. Darmani NA, et al. **Eur J Pharmacol** 1986 Jun 24; 125(3):353–62
Interaction between theophylline and ouabain in the rabbit heart: effect on (Na+ + K+)-ATPase. Zavecz JH. **Eur J Pharmacol** 1986 Jan 29;120(3):363–6
Effects of caffeine and theophylline on the fecundity of four lepidopteran species. Mathavan S, et al. **Exp Biol** 1985; 44(2):133–8
Antagonism by theophylline of respiratory inhibition induced by adenosine. Eldridge FL, et al. **J Appl Physiol** 1985 Nov; 59(5):1428–33
Effect of theophylline on membrane potential and contractile force in hamster diaphragm muscle in vitro. Esau S. **J Clin Invest** 1986 Feb;77(2):638–40
Effect of theophylline on the initiation phase of postischemic acute renal failure in rats. Lin JJ, et al. **J Lab Clin Med** 1986 Aug;108(2):150–4
Inhibition of rabbit cardiac adenylate cyclase by theophylline. Hopwood AM, et al. **J Pharm Pharmacol** 1985 Dec; 37(12):924–6
The chronotropic effect of adenosine and ATP in dogs. The antagonism by theophylline. Barzu T, et al. **J Pharmacol** 1985 Apr–Jun;16(2):197–211
Some dynamic and toxic effects of theophylline in horses. Errecalde JO, et al. **J Vet Pharmacol Ther** 1985 Sep; 8(3):320–7
Cardiac versus coronary vasodilator actions of isobutylmethylxanthine in dogs: comparison with theophylline. Takahashi K, et al. **Jpn J Pharmacol** 1986 May;41(1):23–32
Studies on methyl-xanthines in intact and hypophysectomised rats: differences in pharmacokinetics and adrenocortical response. Okyayuz GI, et al. **Life Sci** 1985 Sep 30;37(13):1201–11
Effects of enprofylline and theophylline may show the role of adenosine. Persson CG, et al. **Life Sci** 1986 Mar 24; 38(12):1057–72 (136 ref.)
Lack of a sustained effect on catecholamines or indoles in mouse brain after long term subcutaneous administration of caffeine and theophylline. Zielke HR, et al. **Life Sci** 1986 Aug 11;39(6):565–72
Cyclic AMP and theophylline enhance DNA synthesis in L cells stimulated with anti-actin IgG and [(IgG)2 protein A]2 complex by recruiting cells into S-phase. Shearer WT, et al. **Mol Cell Biochem** 1985 Jul;67(2):135–44
Drug discrimination and cross generalization between two methylxanthines. Modrow HE, et al. **Pharmacol Biochem Behav** 1985 Sep;23(3):425–9
Effect of theophylline and phloretin on D-galactose transport in guinea pig small intestine. Alcalde A, et al. **Rev Esp Fisiol** 1986 Mar;42(1):133–4
[The effect of histamine and theophylline and the formation of E rosettes] Lochmanová A, et al. **Cas Lek Cesk** 1986 Jul 11;125(28):871–3 (Eng. Abstr.) (Cze)
[Respiratory insufficiency and pharmacology of theophylline (editorial)] Clozel JP, et al. **Bull Eur Physiopathol Respir** 1982 Nov–Dec;18(6):807–10 (Fre)
[Interactions between theophylline and drug metabolizing liver enzymes in the rat] Lissner R, et al. **Arzneimittelforschung** 1985;35(12):1825–7 (Eng. Abstr.) (Ger)
[Effect of theophylline and caffeine on sensory retinal function in the human] Kohen L, et al. **Fortschr Ophthalmol** 1986;83(3):338–44 (Eng. Abstr.) (Ger)
[Action of substances altering the intracellular cAMP level on the enzymes of the oxidative metabolism of xenobiotics] Bushma MI, et al. **Farmakol Toksikol** 1986 Mar–Apr; 49(2):49–52 (Eng. Abstr.) (Rus)
[Effect of isoptin and euphylline on calcium- and carbacholine-induced contractile activity of isolated intestinal strips of rats of various ages] Markova IV, et al. **Farmakol Toksikol** 1985 Sep–Oct;48(5):72–5 (Eng. Abstr.) (Rus)
[Correlation between levels of T-lymphocyte subpopulations detected using monoclonal antibodies and the rosette-formation technic] Petrov RV, et al. **Fiziol Cheloveka** 1986 Jan–Feb;12(1):94–9 (Rus)

PHYSIOLOGY

Normal values and membrane markers of theophylline-sensitive and theophylline-resistant human T-lymphocytes. Kaden J, et al. **Allerg Immunol (Leipz)** 1986;32(1):27–32

POISONING

Self-poisoning with theophylline. The effect of repeated doses oral charcoal on drug elimination. Rygnestad T, et al. **Acta Med Scand** 1986;219(4):425–7
Theophylline poisoning [letter] Hoffman JR. **Am J Emerg Med** 1986 Mar;4(2):199
Theophylline poisoning [editorial] Klein-Schwartz W. **Am J Emerg Med** 1985 Sep;3(5):475–6
Theophylline overdose: acute single ingestion versus chronic repeated overmedication. Olson KR, et al. **Am J Emerg Med** 1985 Sep;3(5):386–94
Hypokalemia, hyperglycemia, and acidosis after intentional theophylline overdose. Sawyer WT, et al. **Am J Emerg Med** 1985 Sep;3(5):408–11
Repetitive oral activated charcoal and control of emesis in severe theophylline toxicity. Amitai Y, et al. **Ann Intern Med** 1986 Sep;105(3):386–7
Theophylline toxicity and the beta-adrenergic system [letter] Iberti TJ, et al. **Ann Intern Med** 1985 Dec;103(6 (Pt 1)):957–8
Theophylline-induced hypercalcemia. McPherson ML, et al. **Ann Intern Med** 1986 Jul;105(1):52–4
Metabolic effects of theophylline [letter] Pagniez DC, et al. **Ann Intern Med** 1986 Feb;104(2):284
Prolonged toxicity following massive ingestion of sustained-release theophylline preparation. Corser BC, et al. **Chest** 1985 Nov;88(5):749–50
Increased activity of creatine kinase isoenzyme MB in a theophylline-intoxicated patient. Ng RH, et al. **Clin Chem** 1985 Oct;31(10):1741–2
Theophylline intoxication following viloxazine induced decrease in clearance. Lasban JP, et al. **Eur J Clin Pharmacol** 1986;30(3):351–3
Hemoperfusion/hemodialysis in the treatment of acute theophylline poisoning--description of a fatal case. Rongved G, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Feb;24(2):85–7
Theophylline toxicity in children. Baker MD. **J Pediatr** 1986 Sep;109(3):538–42
Delayed toxicity with slow-release theophylline [letter] Clayton D, et al. **Med J Aust** 1986 Mar 31;144(7):386–7
Continuous nasogastric administration of activated charcoal for the treatment of theophylline intoxication. Ohning BL, et al. **Pediatr Pharmacol (New York)** 1986;5(4):241–5
Theophylline toxicity in a preterm infant: selected clinical aspects. Strauss AA, et al. **Pediatr Pharmacol (New York)** 1985;5(3):209–12
Management of theophylline toxicity [clinical conference] Rothman A, et al. **Va Med** 1985 Aug;112(8):504–8
[Acute theophylline poisoning] Oberg B. **Ugeskr Laeger** 1986 Aug 11;148(33):2071–4 (Eng. Abstr.) (Dan)
[A patient with severe theophylline poisoning] Rietveld AP, et al. **Ned Tijdschr Geneeskd** 1985 Sep 7;129(36):1741–3 (Eng. Abstr.) (Dut)
[Theophylline poisoning] Iversen BM, et al. **Tidsskr Nor Laegeforen** 1986 Feb 20;106(5):416–7 (Eng. Abstr.) (Nor)

THERAPEUTIC USE

Comparison of enprofylline and theophylline for intravenous treatment of acute asthma. Haahtela T, et al. **Allergy** 1986 Feb;41(2):160–2
Effects of enprofylline and theophylline on exercise-induced asthma. Laursen LC, et al. **Allergy** 1985 Oct;40(7):506–9
Sustained-release terbutaline vs sustained-release theophylline in young patients with asthma. Roberts JR, et al. **Am J Dis Child** 1986 Jul;140(7):650–4
Treatment of acute asthma. Is combination therapy with sympathomimetics and methylxanthines indicated? Fanta CH, et al. **Am J Med** 1986 Jan;80(1):5–10
Methylxanthine therapy and reversible airway obstruction. McFadden ER Jr. **Am J Med** 1985 Dec 20;79(6A):1–4
Theophylline levels and clinical response in asthmatic adults receiving long-term Uniphyl. Petty TL, et al. **Am J Med** 1985 Dec 20;79(6A):73–6

The mast cell and theophylline in asthma. Wasserman SI. **Am J Med** 1985 Dec 20;79(6A):22–5
Incidence of preeclampsia among asthmatic patients lower with theophylline. Dombrowski MP, et al. **Am J Obstet Gynecol** 1986 Aug;155(2):265–7
Theophylline: still many mysteries. Murphy DH. **Am Pharm** 1985 Nov;NS25(11):48–52
Bronchodilator response in chronic obstructive pulmonary disease. Anthonisen NR, et al. **Am Rev Respir Dis** 1986 May;133(5):814–9
A comparative trial of the clinical efficacy and pharmacokinetics of 12–hour and 24–hour controlled release theophylline preparations in patients with chronic asthma. Tinkelman DG, et al. **Ann Allergy** 1985 Oct; 55(4):571–6
Sustained release theophylline for the forgetful asthmatic. Weinstein AG. **Ann Allergy** 1985 Oct;55(4):563–7
The efficacy of sustained release theophylline (Pro–Vent), in asthma. Wallis PJ, et al. **Br J Clin Pract** 1985 Sep; 39(9):341–5
Respiratory muscle failure: fatigue or weakness? The role of theophylline [clinical conference] Bryant S, et al. **Chest** 1986 Jan;89(1):116–24
Addition of terbutaline to optimal theophylline therapy. Double blind crossover study in asthmatic patients. Vandewalker ML, et al. **Chest** 1986 Aug;90(2):198–203
Effect of nifedipine and theophylline in asthma. Garty M, et al. **Clin Pharmacol Ther** 1986 Aug;40(2):195–8
Caffeine citrate: an alternative to theophylline for apnea in prematurity [letter] Spierer DN, et al. **Drug Intell Clin Pharm** 1985 Oct;19(10):762–3
The efficacy of oral theophylline in ventilated premature infants. Elias–Jones AC, et al. **Early Hum Dev** 1985 Oct; 12(1):9–14
The therapeutic actions of theophylline in preterm ventilated infants. Greenough A, et al. **Early Hum Dev** 1985 Oct; 12(1):15–22
Use of theophylline in infants. **FDA Drug Bull** 1985 Aug; 15(2):16–7
Salbutamol plus beclomethasone dipropionate versus theophylline for the prevention of methacholine–induced bronchospasm in patients with chronic bronchitis. Arossa W, et al. **Int J Clin Pharmacol Ther Toxicol** 1985 Oct; 23(10):565–8
Theophylline partially inhibits bronchoconstriction caused by inhaled histamine in subjects with asthma. Cartier A, et al. **J Allergy Clin Immunol** 1986 Apr;77(4):570–5
Pharmacology and therapeutic use of theophylline [letter] Weinberger M. **J Allergy Clin Immunol** 1986 Mar;77(3):525
The effectiveness of drug level monitoring and pharmacokinetics in individualizing theophylline therapy. Fitzpatrick RW, et al. **J Clin Hosp Pharm** 1985 Sep; 10(3):279–87
Comparison of two sustained–release theophylline preparations in adult patients with obstructive airways disease. Harkaway PS, et al. **J Clin Pharmacol** 1985 Sep; 25(6):444–7
Theophylline to prevent post–extubation respiratory failure [letter] Powers WF, et al. **J Pediatr** 1986 Jun;108(6):1040–1
Does theophylline improve dyspnea in nonreversible COPD? Cohen BM. **NJ Med** 1986 Apr;83(4):227–31
Long–term therapy with sustained–release theophylline. Myhre KI, et al. **Pharmatherapeutica** 1985;4(2):92–7
[Treatment of asthmatic crisis in children with immediate–action theophylline] Dutau G, et al. **Ann Pediatr (Paris)** 1985 Oct;32(8):735–8 (Eng. Abstr.) **(Fre)**
[Bronchodilator effects of an atropinic compound: oxitropium pressurized aerosol. Comparison with theophylline in asthma] Gayrard P, et al. **Rev Pneumol Clin** 1984; 40(4):273–4 (Eng. Abstr.) **(Fre)**
[Behavior of the second messenger cAMP in status asthmaticus before and following administration of theophylline–ethylenediamine] Weth G, et al. **Arzneimittelforschung** 1985;35(12):1859–62 (Eng. Abstr.) **(Ger)**
[Theophylline solubilizer and salicylate asthma] Drebinger K, et al. **Fortschr Med** 1986 Jun 19;104(23–24):480–2 (Eng. Abstr.) **(Ger)**
[Theophylline in asthma therapy] Achermann R, et al. **Schweiz Rundsch Med Prax** 1986 Jan 28;75(5):98–103 (Eng. Abstr.) **(Ger)**
[Bronchospasmolytic effectiveness of controlled drug combinations] Forche G, et al. **Wien Med Wochenschr** 1986 May 15;136(9):213–8 (Eng. Abstr.) **(Ger)**
[Clinical study on the efficacy of a sustained–release theophylline–based preparation in infants with chronic asthma] Bertolani P, et al. **Pediatr Med Chir** 1985 Sep–Oct; 7(5):765–9 (Eng. Abstr.) **(Ita)**
[Theophylline in apneas and periodic respirations in newborn infants: polygraphic evaluation] Reimão R, et al. **Rev Paul Med** 1986 Jan–Feb;104(1):15–7 (Eng. Abstr.) **(Por)**
[Xanthines in bronchial asthma] Zarudil FS. **Farmakol Toksikol** 1985 Sep–Oct;48(5):105–8 (61 ref.) **(Rus)**
[Nebetol in the treatment of bronchial asthma and chronic obstructive bronchitis] Popovac D, et al. **Pneum Bolesti** 1985 Jan–Jun;37(1–2):106–9 (Eng. Abstr.) **(Ser)**
[Sustained–release theophylline: study in a child population] Díaz Fernández M, et al. **An Esp Pediatr** 1986 Jan; 24(1):7–13 (Eng. Abstr.) **(Spa)**

TOXICITY

Kinetics of drug action in disease states. XVI. Pharmacodynamics of theophylline–induced seizures in rats. Ramzan IM, et al. **J Pharmacol Exp Ther** 1986 Mar; 236(3):708–13
Phenobarbital improves survival in theophylline–intoxicated rabbits. Goldberg MJ, et al. **J Toxicol Clin Toxicol** 1986; 24(3):203–11

URINE

Determination of the urinary metabolites of caffeine and theophylline by high–performance liquid chromatography. A comparative study of a direct injection and an ion–pair extraction procedure. Scott NR, et al. **J Chromatogr** 1986 Mar 7;375(2):321–9

THERAPEUTIC COMMUNITY

Adolescent sexuality in a therapeutic community: staff countertransference issues. Schneider S, et al. **Adolescence** 1985 Summer;20(78):369–76
The management of a sexually charged clinical problem: social structural and psychoanalytic functionalist approaches in a therapeutic community. James OW. **Br J Med Psychol** 1986 Mar;59 (Pt 1):27–34
Experiential therapy for youths: the adventure model. Kimball RO. **Child Today** 1986 Mar–Apr;15(2):26–31
Therapy of epileptic children. Morozov VI, et al. **Curr Psychiatr Ther** 1986;23:245–8
Where can therapeutic community ideals be realized? An examination of three treatment environments. Bell MD, et al. **Hosp Community Psychiatry** 1985 Dec;36(12):1286–91
The therapeutic milieu: changing themes and theories. Gutheil TG. **Hosp Community Psychiatry** 1985 Dec; 36(12):1279–85
Therapeutic communities for neurotic patients in Eastern Europe. Papiasvili A, et al. **Hosp Community Psychiatry** 1986 Jul;37(7):734–6
Three therapeutic communities for drug abusers: differences in treatment environments. Bell MD. **Int J Addict** 1985 Oct;20(10):1523–31
The therapeutic community: status and evolution. De Leon G. **Int J Addict** 1985 Jun–Jul;20(6–7):823–44 (57 ref.)
Patient–treatment interaction: person versus thing centeredness of addicts in methadone and drug–free approaches. Mider PA. **Int J Addict** 1985 Aug; 20(8):1191–211
Changes in self–perceptions of illicit drug abusers related to time in treatment in two residential treatment programs. Page RC, et al. **Int J Addict** 1985 Nov–Dec; 20(11–12):1741–50
Problems of therapeutic community practice in two halfway houses for disturbed adolescents: a comparative sociological study. Bloor MJ. **J Adolesc** 1986 Mar; 9(1):29–48
The design of atmosphere: ego–nurture and psychic change in residential treatment. Rose M. **J Adolesc** 1986 Mar; 9(1):49–62
Changes in self–concept during therapeutic community treatment: a comparison of male and female drug abusers. Wheeler BL, et al. **J Drug Educ** 1986;16(2):191–6
"The John Dewey Academy: a residential therapeutic high school". Bratter TE, et al. **J Subst Abuse Treat** 1986; 3(1):53–8
Prison medical care for addicts [letter] Glatt MM. **Lancet** 1985 Nov 23;2(8465):1193
A unique approach. Spring Lake Ranch. Wells MH, et al. **Psychiatr Clin North Am** 1985 Sep;8(3):597–608
From coercion to collaboration: two weeks in the life of a therapeutic community. Stern DA, et al. **Psychiatry** 1986 Feb;49(1):18–32
[Neuropsychological therapeutic community rehabilitation for chronic brain injured] Hoofien D, et al. **Harefuah** 1985 Oct;109(7–8):193–7 **(Heb)**
[Intermediate structure in psychiatry. A 1–year–experience (1984) in the Solaro therapeutic community] Papa V, et al. **Minerva Med** 1986 Aug 25;77(32–33):1495–9 (Eng. Abstr.) **(Ita)**

THERAPEUTIC CULTS

see related
QUACKERY

The metabolic cancer therapy of Harold W. Manner, Ph.D. CA 1986 May–Jun;36(3):185–9
[A rare case of psychotic reaction following non–conventional methods of treatment] Kosmacki BW, et al. **Pol Tyg Lek** 1985 Jun 17;40(24):694 **(Pol)**

THERAPEUTIC EQUIVALENCY

Additional ways to inform physicians of therapeutic alternatives [letter] Cornelis WA, et al. **Am J Hosp Pharm** 1985 Sep;42(9):1936
Information responsibilities of generic drug companies [letter] Cramer R. **Am J Hosp Pharm** 1986 Jul;43(7):1674, 1679
Assistance from community pharmacists in identifying generic drug products [letter] Cramer R. **Am J Hosp Pharm** 1985 Sep;42(9):1936, 1938
Look–alike drugs and unfair competition. An update of Inwood Laboratories v. Ives Laboratories. Shapiro LJ. **Am Pharm** 1985 Oct;NS25(10):49–50
Establishing therapeutic equivalency. What is a clinically significant difference? [editorial] Detsky AS, et al. **Arch Intern Med** 1986 May;146(5):861–2
Some issues in the design and interpretation of 'negative' clinical studies. Makuch RW, et al. **Arch Intern Med** 1986 May;146(5):986–9
Limitations of the MANOVA of statistical moments in bioequivalence trials of drugs with slow elimination rate: a study with spironolactone. Concheiro A, et al. **Biopharm Drug Dispos** 1986 May–Jun;7(3):253–64
Generic prescribing [letter] Hayward JL, et al. **Br Med J [Clin Res]** 1986 Mar 15;292(6522):762
Critical therapeutic categories: a contraindication to generic substitution? Colaizzi JL, et al. **Clin Ther** 1986;8(4):370–9
Informed consent and generic drug substitution. DeVeaugh–Geiss J. **Clin Ther** 1985;7(5):544–8
Prescription versus generic: the debate goes on. Wilkinson R. **Hospitals** 1986 May 5;60(9):142, 144
Influence of formulation on oral drug delivery: considerations for generic substitution and selection of slow–release products. Spector R. **Iowa Med** 1986 Jan;76(1):24–8
"Look–alikes" and generics [editorial] Shader RI, et al. **J Clin Psychopharmacol** 1986 Apr;6(2):A17–8
Branded or generic propranolol? [letter] Garcia–Buñuel L. **Lancet** 1986 Jun 21;1(8495):1443
Generic drugs. **Med Lett Drugs Ther** 1986 Jan 3;28(704):1–2
Therapeutic risks associated with pharmaceutical alternatives [letter] **N Engl J Med** 1986 Sep 25;315(13):834
Physician and pharmacist attitudes toward a generic incentive program. Colaizzi JL, et al. **NJ Med** 1986 Mar;83(3):153–6
The case for use of generic names. Pepper GA. **Nurse Pract** 1985 Aug;10(8):43, 47
Generics—is the price too high? Marshall WJ. **Ohio State Med J** 1986 Apr;82(4):261–3, 265
Trade names and generic names. Problems for prescribing physicians. Hemminki E, et al. **Scand J Prim Health Care** 1984 May;2(2):84–7
A proposal for interpreting and reporting negative studies. Hauck WW, et al. **Stat Med** 1986 May–Jun;5(3):203–9
[Statistical tests for bioequivalence] Peil H, et al. **Arzneimitteiforschung** 1985;35(10):1489–94 (Eng. Abstr.) **(Ger)**
[Comparison of the results obtained using the test of hypothesis, confidence intervals, and Bayesian analysis in the evaluation of bioequivalence] Ohki T, et al. **Yakugaku Zasshi** 1985 Aug;105(8):796–800 (Eng. Abstr.) **(Jpn)**

THERAPEUTICS

The use of computers to assist physicians in patient management. Friedman RH. **Adv Intern Med** 1986;31:71–93
Involuntary treatment in medicine. Jonsen AR. **Annu Rev Med** 1986;37:41–8
Initial clinical judgments by internists, family physicians, and psychiatrists in response to patient vignettes: II. Ordering of laboratory tests, consultations, and treatments. Yager J, et al. **Gen Hosp Psychiatry** 1986 May;8(3):152–8
Superstitious therapy during illnesses of pre–school children. Kushwaha KP, et al. **Indian Pediatr** 1986 Mar;23(3):163–8
Extending computer–based critiquing to a new domain: ATTENDING, ESSENTIAL–ATTENDING, and VQ–ATTENDING. Miller PL. **Int J Clin Monit Comput** 1986;2(3):135–42
Physicians as problem solvers—the global approach. Lukert BP. **J Am Med Wom Assoc** 1986 Jul–Aug;41(4):120–4
Philosophical reflections on a rational treatment plan. Thomasma DC. **J Med Philos** 1986 May;11(2):157–65
Rational diagnosis and treatment. Wulff HR. **J Med Philos** 1986 May;11(2):123–34
The management of minor illness by general practitioners. Whitehouse CR, et al. **J R Coll Gen Pract** 1985 Dec; 35(281):581–3
Mathematical modelling of pathogenesis and treatment: new insights into old questions. Sebaldt RJ. **J Rheumatol** 1985 Oct;12(5):824–8
Probabilistic analysis of decision trees using Monte Carlo simulation. Critchfield GC, et al. **Med Decis Making** 1986 Apr–Jun;6(2):85–92
Decision maker, quantify thyself! Fryback DG. **Med Decis Making** 1985;5(1):51–60
Clinical guidelines for using two dichotomous tests. Hershey JC, et al. **Med Decis Making** 1986 Apr–Jun;6(2):68–78
Multiple test analyzer (MTA): a microcomputer program for determining preferred strategies with two diagnostic tests. Hershey JC, et al. **Med Decis Making** 1986 Apr–Jun; 6(2):79–84
Probabilistic analysis of decision trees using symbolic algebra. Willard KE, et al. **Med Decis Making** 1986 Apr–Jun; 6(2):93–100
Critiquing: a different approach to expert computer advice in medicine. Miller PL. **Med Inf (Lond)** 1986 Jan–Mar; 11(1):29–38
Hospital records: records or a science of disease. Ngulube TJ. **Med J Zambia** 1984 Jun;18(2):8–9
Using the overhead projector to present patient management problems to groups. Biran LA, et al. **Med Teach** 1985; 7(3–4):257–69
Health fraud: a growing problem. Haffner ME, et al. **Milit Med** 1986 Jul;151(7):374–9
Determining optimal therapy—randomized trials in individual patients. Guyatt G, et al. **N Engl J Med** 1986

Apr 3;314(14):889–92
Further comment on clinical decisions in geriatric patients [letter] Jue D, et al. **N Engl J Med** 1986 Oct 2;315(14):898
Gene therapy. Desperate appliances [news] Robertson M. **Nature** 1986 Mar 20–26;320(6059):213–4
Qualitative and ethical issues in quantitative clinical decision making. Moroff SV. **NY State J Med** 1986 May;86(5):250–3
Clinical decision–making: can we improve and how? A critical look at some of the issues. de Dombal FT. **Rev Med Brux** 1985 Sep;6(7):477–83
Casuistry and clinical ethics. Jonsen AR. **Theor Med** 1986 Feb;7(1):65–74
Narrative unity and clinical judgement. Long TA. **Theor Med** 1986 Feb;7(1):75–92
Philosophy lessons from the clinical setting: seven sayings that used to annoy me. Morreim EH. **Theor Med** 1986 Feb; 7(1):47–63
[The use of paramedical treatment methods by cancer patients. A inquiry on 101 ambulatory patients] Obrist R, et al. **Dtsch Med Wochenschr** 1986 Feb 21;111(8):283–7 (Eng. Abstr.) (Ger)
[Indications for continuing or discontinuing diagnostic and therapeutic measures in internal medicine] Neuhaus GA. **Verh Dtsch Ges Inn Med** 1985;91:257–64 (Ger)
[Scarifying—an old method with new significance] Taubert K. **Z Arztl Fortbild (Jena)** 1985;79(11):493–5 (Ger)
[Value of medical technics in the medical management of elderly patients] Hoffmann A, et al. **ZFA** 1986 Mar–Apr; 41(2):79–83 (Eng. Abstr.) (Ger)
[Medicine for the healthy man confronting the question: do we prevent or do we treat diseases?] Ivan A, et al. **Rev Med Chir Soc Med Nat Iasi** 1985 Oct–Dec;89(4):595–6 (Rum)
[Experience in organizing correspondence instruction for military therapists in functional diagnosis] Ermakov EV, et al. **Voen Med Zh** 1986 Mar;(3):15–6 (Rus)
[Experience with the work of a metabolic unit in a therapy department] Pidrman V, et al. **Voen Med Zh** 1985 Sep; (9):68–9 (Rus)
[Postgraduate training of military therapists] Pukach LP. **Voen Med Zh** 1986 Mar;(3):11–4 (Rus)
[Methods of developing practical skills among students in a therapeutics department during practical training] Gubergrits AIa, et al. **Vrach Delo** 1986 Jan;(1):116–8 (Rus)

HISTORY

A synopsis of Chinese ancient therapeutic methods. Yu YA. **J Tradit Chin Med** 1986 Mar;6(1):69–74
George Baker: translator of Aparicio de Zubia's pamphlet on the "Oleum Magistrale"Ungerer G. **Med Hist** 1986 Apr; 30(2):203–11
[Use of revulsion by physicians in ancient Greece and Rome] Marganne MH. **Rev Med Liege** 1985 Sep 15;40(18):636–8 (Fre)
[What does one mean by alternative medicine?] Feuardent R. **Rev Med Suisse Romande** 1986 Feb;106(2):93–5 (Fre)
[Therapeutic services in World War II] Gembitskii EV. **Sov Med** 1985;(5):24–9 (Rus)
[Origin and development of military field therapy] Gembitskii EV. **Voen Med Zh** 1985 May;(5):40–5 (Rus)

METHODS

Clinical decision consultation service. Plante DA, et al. **Am J Med** 1986 Jun;80(6):1169–76

STANDARDS

How to recognize questionable diagnostic tests and therapies. Herbert V. **Trans Assoc Life Insur Med Dir Am** 1985; 68:87–93
[Complex characteristics of the quality of diagnosis and treatment of severely ill patients] Poliakov IV, et al. **Sov Zdravookhr** 1985;(11):32–7 (Rus)

TRENDS

[Authorities and arguments] Berndt H. **Z Arztl Fortbild (Jena)** 1986;80(4):141–2 (Ger)
[Technology for clinical medicine] Leonov BI, et al. **Ter Arkh** 1986;58(3):18–23 (Rus)

THERAPEUTICS COMMITTEE see **PHARMACY AND THERAPEUTICS COMMITTEE**

THERAPY, COMBINED MODALITY see **COMBINED MODALITY THERAPY**

THERMAL CONDUCTIVITY

Effect of cardiac output on extravascular lung water measurements made with the thermoconductivity method. Noble WH, et al. **Anesthesiology** 1986 Aug;65(2):206–9
Thermal insulating capabilities of "thin" clothing insulation. Kaufman WC, et al. **Aviat Space Environ Med** 1985 Oct; 56(10):1011–3
A sensitivity analysis of the Thermal Pulse Decay method for measurement of local tissue conductivity and blood perfusion. Arkin H, et al. **J Biomech Eng** 1986 Feb; 108(1):54–8
Thermal pulse decay method for simultaneous measurement of local thermal conductivity and blood perfusion: a theoretical analysis. Arkin H, et al. **J Biomech Eng** 1986 Aug;108(3):208–14

THERMAL WATER POLLUTION see **WATER POLLUTION, THERMAL**

THERMODILUTION

Method of assessing the reproducibility of blood flow measurement: factors influencing the performance of thermodilution cardiac output computers. Mackenzie JD, et al. **Br Heart J** 1986 Jan;55(1):14–24
Thermodilution measurement of lung water. Allison RC, et al. **Clin Chest Med** 1985 Sep;6(3):439–57 (59 ref.)
Improvement of cardiac output estimation by the thermodilution method during mechanical ventilation. Jansen JR, et al. **Intensive Care Med** 1986;12(2):71–9
Thermodilution measurement of right ventricular ejection fraction with a modified pulmonary artery catheter. Vincent JL, et al. **Intensive Care Med** 1986;12(1):33–8
Cardiac output by thermodilution [letter] McIntyre RW. **JAMA** 1985 Nov 1;254(17):2413

ADVERSE EFFECTS

The slowing of sinus rhythm during thermodilution cardiac output determination and the effect of altering injectate temperature. Harris AP, et al. **Anesthesiology** 1985 Nov; 63(5):540–1

INSTRUMENTATION

Evaluation of the sterility of thermodilution room–temperature injectate preparations. Burke KG, et al. **Crit Care Med** 1986 May;14(5):503–4
Pulsatile flow simulator for comparison of cardiac output measurements by electromagnetic flow meter and thermodilution. Jebson PJ, et al. **J Clin Monit** 1986 Jan; 2(1):6–14
A faulty lumen resulting in erroneous thermodilution cardiac output measurement. Latson T, et al. **J Clin Monit** 1985 Jul;1(3):213–5
[Clinical application of a thermistor–tipped needle during cardiac surgery—PDA detection and quantification of residual shunt] Yuge I, et al. **Kyobu Geka** 1986 May; 39(5):381–3 (Eng. Abstr.) (Jpn)
[Analog integration of the area under a thermodilution curve] Lazarenko AI. **Med Tekh** 1985 Sep–Oct;(5):52–4 (Eng. Abstr.) (Rus)

METHODS

Cardiac output determination by the thermodilution method: comparison of ice–temperature injectate versus room temperature injectate contained in prefilled syringes or a closed injectate system [letter] **Heart Lung** 1986 Jan; 15(1):108–11
Cardiac output determination by the thermodilution method: comparison of ice–temperature injectate versus room–temperature injectate contained in prefilled syringes or a closed injectate delivery system. Barcelona M, et al. **Heart Lung** 1985 May;14(3):232–5
Theory and application of thermodilution cardiac output measurement: a review. Kadota LT. **Heart Lung** 1985 Nov; 14(6):605–16 (104 ref.)
Measurement of azygos venous blood flow by a continuous thermal dilution technique [letter] Wahren J. **Hepatology** 1986 Jan–Feb;6(1):154–5
Measurement of peripheral blood flow by thermodilution techniques. Nadel SN, et al. **Invest Radiol** 1986 Aug; 21(8):631–6
Measurement of flow in large veins by the continuous thermodilution method. Louagie Y, et al. **Res Exp Med (Berl)** 1986;186(2):133–9
[Evaluation of the thermal technic for the quantitative measurement of extravascular lung water] Zadrobilek E, et al. **Anaesthesist** 1985 Nov;34(11):582–7 (Eng. Abstr.) (Ger)

THERMODYNAMICS

Enthalpy–entropy relationship in drug–cholinoceptor interaction: a new approach. Cohen S, et al. **Br J Pharmacol** 1985 Aug;85(4):889–96
Adsorption thermodynamics of carbofuran on sandy clay loam and silt loam soils. Singh RP, et al. **Ecotoxicol Environ Safety** 1985 Dec;10(3):309–13
Adsorption thermodynamics of carbofuran on antimony (V) silicate cation exchanger. Varshney KG, et al. **Ecotoxicol Environ Safety** 1986 Apr;11(2):179–83
Free energy coupling between H+–generating and H+–consuming pumps. Ratio between output and input forces. Petronilli V, et al. **Eur J Biochem** 1986 Mar 3; 155(2):423–31
IUPAC–IUPAB–IUB Intercommission on Biothermodynamics. Recommendations for the presentation of thermodynamic and related data in biology (1985). Wadsö I. **Eur J Biochem** 1985 Dec 16;153(3):429–34
Entropy concept in relation to brain waves and evoked potentials: critique of a physical approach. Tan U. **Int J Neurosci** 1985 Dec;28(3–4):249–60
The role of solvent polarity in the free energy of transfer of amino acid side chains from water to organic solvents. Damodaran S, et al. **J Biol Chem** 1986 Jun 5;261(16):7220–2
Thermodynamics of the hydrolysis of adenosine 5'-triphosphate to adenosine 5'-diphosphate. Gajewski E, et al. **J Biol Chem** 1986 Sep 25;261(27):12733–7
The pH dependence of the thermodynamics of the interaction of diazepam with human serum albumin. Janssen LH, et al. **J Biol Chem** 1985 Sep 25;260(21):11442–5
Thermodynamic and kinetic analysis of carbohydrate binding to the basic lectin from winged bean (Psophocarpus tetragonolobus). Khan MI, et al. **J Biol Chem** 1986 Mar 5;261(7):3013–9
Thermodynamic restrictions on the elastic constants of bone. Cowin SC, et al. **J Biomech** 1986;19(1):85–7
Thermodynamic properties of erythrocyte Li efflux may facilitate detection of essential hypertension in pregnant women. Levy R, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 5:S71–5
Thermodynamic origins of specificity in the lac repressor–operator interaction. Adaptability in the recognition of mutant operator sites. Mossing MC, et al. **J Mol Biol** 1985 Nov 20;186(2):295–305
Thermodynamic analysis of calcium binding to frog parvalbumin. Smith SJ, et al. **J Muscle Res Cell Motil** 1985 Dec;6(6):757–68
Measurement of thermodynamic parameters for norepinephrine contraction of isolated rabbit thoracic aorta. Raffa RB, et al. **J Pharmacol Exp Ther** 1985 Dec; 235(3):596–600
The exchange of energy between the medium and the active site. Higazi A. **J Theor Biol** 1985 Dec 21;117(4):609–19
A simple nonequilibrium thermodynamic description of some inhibitors of oxidative phosphorylation. Jou D, et al. **J Theor Biol** 1985 Dec 7;117(3):471–88
Conformational mobility of proteins and activation energy of enzymatic charge transfer reactions: an analysis in dielectric formalism. Krishtalik LI. **J Theor Biol** 1985 Sep 21;116(2):201–14
Dynamic approach to thermotropic and inotropic phase transitions. Shirane K, et al. **J Theor Biol** 1986 Feb 7; 118(3):345–50
Thermodynamics and the conceptual structure of evolutionary theory. Wicken JS. **J Theor Biol** 1985 Dec 7;117(3):363–83
Thermodynamic considerations of acrylic cement implant at the site of giant cell tumors of the bone. Krishnan EC, et al. **Med Phys** 1986 Mar–Apr;13(2):233–9
The thermodynamics of agonist and antagonist binding to dopamine D–2 receptors. Kilpatrick GJ, et al. **Mol Pharmacol** 1986 Sep;30(3):226–34
Theoretical calculation of relative binding affinity in host–guest systems. Lybrand TP, et al. **Proc Natl Acad Sci USA** 1986 Feb;83(4):833–5
[Heat transfer model of the peripheral circulation] Fujimasa I. **Iyodenshi To Seitai Kogaku** 1985 Dec;23(7):503–8 (Jpn)

THERMOELECTRIC POWER PLANTS see **POWER PLANTS**

THERMOGRAPHY

Thermography and plethysmography in the diagnosis of deep venous thrombosis—a comparison with phlebography. Andersson S. **Acta Med Scand** 1986;219(4):359–66
Natural history of acute regional myocardial ischaemia revealed by infrared thermography in the canine heart. Papp L, et al. **Acta Morphol Hung** 1985;33(1–2):123–42
Thermographic and pupillary asymmetry in chronic paroxysmal hemicrania. A case study. Drummond PD. **Cephalalgia** 1985 Sep;5(3):133–6
The thermographic pattern of the lower back with special reference to the sacro–iliac joints in health and inflammation. Jacobsson H, et al. **Clin Rheumatol** 1985 Dec; 4(4):426–32
A new index of autonomic neuropathy in diabetes mellitus: heat stimulated thermographic patterns. Fushimi H, et al. **Diabetes Res Clin Pract** 1985 Aug;1(2):103–7
Correlation between mammographic and thermographic patterns. Use of thermography as a possible pre–screening procedure in patients at risk for breast cancer. Massa T, et al. **Eur J Gynaecol Oncol** 1986;7(1):39–44
Thermocardiography in the ischemic heart. Kyo S, et al. **Heart Vessels** 1985 Nov;1(4):244–5
Thermography of pain: instrumentation and uses. Taylor H, et al. **Hosp Pract [Off]** 1985 Nov 15;20(11):164, 168–9
Thermography in the determination of amputation levels in ischaemic limbs. Luk KD, et al. **Int Orthop** 1986; 10(2):79–81
Thermographic diagnosis in athletes with patellofemoral arthralgia. Devereaux MD, et al. **J Bone Joint Surg [Br]** 1986 Jan;68(1):42–4
Diagnosis of neurospinous claudication [letter] **Lancet** 1985 Nov 9;2(8463):1077
Microprocessor system for control and analysis of thermographic images. van Deursen JB, et al. **Med Biol Eng Comput** 1985 Nov;23(6):589–92
Thermography: a call for scientific studies to establish its diagnostic efficacy. Frymoyer JW, et al. **Orthopedics** 1986 May;9(5):699–700
Is thermography more than an adjuvant in orthopedic diagnostics? Goldie I. **Orthopedics** 1985 Sep;8(9):1128–9
Precision thermal imaging of the extremities. Harway RA. **Orthopedics** 1986 Mar;9(3):379–82
Thermographic evaluation of the painful shoulder in the

hemiplegic patient. Thurston NM, et al. **Phys Ther** 1986 Sep;66(9):1376–81
Standards for neuromuscular thermographic examination. **Postgrad Med** 1986 Mar;Spec No:6–7
Academy of Neuro–Muscular Thermography. Clinical proceedings. Dallas, Texas, 1985. **Postgrad Med** 1986 Mar; Spec No:1–110
Empirical evaluation of the chronic pain diagnosis. Adams WJ, et al. **Postgrad Med** 1986 Mar;Spec No:86–9
Thermographic diagnosis of temporomandibular joint disease and associated neuromuscular disorders. Finney JW, et al. **Postgrad Med** 1986 Mar;Spec No:93–5
The present status of neuromuscular thermography. Fischer AA. **Postgrad Med** 1986 Mar;Spec No:26–33 (71 ref.)
Thermography and magnetic resonance imaging correlated in 31 cases. Goldberg GS. **Postgrad Med** 1986 Mar;Spec No:54–8
Electronic infrared thermography and its relationship to other neurodiagnostic modalities. Green J, et al. **Postgrad Med** 1986 Mar;Spec No:74–7
Liquid crystal thermography in the detection of carpal tunnel syndrome. Herrick RT, et al. **Postgrad Med** 1986 Mar;Spec No:78–82
Thermography—a legal overview. Hodge SD Jr. **Postgrad Med** 1986 Mar;Spec No:100–3
Statistical review of thermography in a neurology practice: pain evaluation. Hubbard JE. **Postgrad Med** 1986 Mar;Spec No:65–72
Thermography: its correlation with the pain drawing. The clinical correlation found among four independent interpreters participating in a blinded study. Maultsby JA, et al. **Postgrad Med** 1986 Mar;Spec No:90–2
Lumbar disk disease and thermography [letter] Mirman MJ. **Postgrad Med** 1986 Jul;80(1):49
Venipuncture utilizing crystal thermography. A new technique. Patt RA. **Postgrad Med** 1985 Nov 15;78(7):132–3
Documentation of thermographic objectivity in pain syndromes. Rosenblum JA. **Postgrad Med** 1986 Mar;Spec No:59–61
The neuroanatomy and physiology related to thermography. Schnitzlein HN. **Postgrad Med** 1986 Mar;Spec No:21–5
Thermographic examinations and the differential diagnosis of psychogenic versus organic factors in patients with pain. Shandell KE, et al. **Postgrad Med** 1986 Mar;Spec No:83–5
Blinded reading of electronic thermography. Uricchio JV Jr, et al. **Postgrad Med** 1986 Mar;Spec No:47–53
Thermography: the clinical use of thermography in orthopedic practice. Uricchio JV Jr. **Postgrad Med** 1986 Mar;Spec No:62–4
The diagnosis of trigger points by thermography. Weinstein G. **Postgrad Med** 1986 Mar;Spec No:96–8
A review of 500 patients with low back complaints: comparison of five clinically-accepted diagnostic modalities. Weinstein SA, et al. **Postgrad Med** 1986 Mar; Spec No:40–3
A clinical comparison of cervical thermography with EMG, CT scanning, myelography and surgical procedures in 500 patients. Weinstein SA, et al. **Postgrad Med** 1986 Mar;Spec No:44–6
Thermography and the sensory dermatome. Ash CJ, et al. **Skeletal Radiol** 1986;15(1):40–6
[Enthesiopathy of the lateral epicondyle of the humerus. II. Thermography and thermometry of the elbow joint] Koudela K, et al. **Acta Chir Orthop Traumatol Cech** 1985 Oct;52(5):415–6 (Eng. Abstr.) (Cze)
[Thermography in the detection of latent thromboses of the lower extremities after surgery] Chudáček Z. **Cesk Radiol** 1985 Dec;39(6):386–8 (Eng. Abstr.) (Cze)
[Thermographic examination of occupational vasoneuroses] Holý J, et al. **Cesk Radiol** 1985 Oct;39(5):325–30 (Eng. Abstr.) (Cze)
[Thermography in the diagnosis of deep venous thrombosis] Mäkäräinen H, et al. **Duodecim** 1985;101(20):1973–7 (Eng. Abstr.) (Fin)
[Thermographico–histologic study of the lymph drainage areas in malignant melanoma] Michel U, et al. **Hautarzt** 1986 Jan;37(1):12–6 (Eng. Abstr.) (Ger)
[Non–invasive imaging procedures in the diagnosis and control of therapy of varicoceles. 2. Importance of thermography and sonography for therapy control following sclerotherapy of varicoceles] Hamm B, et al. **ROFO** 1986 Jun;144(6):665–9 (Eng. Abstr.) (Ger)
[Noninvasive imaging procedures in the diagnosis and therapy control of varicoceles. I: Sonography and thermography in the diagnosis of varicoceles] Hamm B, et al. **ROFO** 1986 May;144(5):561–6 (Eng. Abstr.) (Ger)
[Improvement in the early detection of breast cancer by thermography] Eulenburg R, et al. **Rontgenblatter** 1986 Mar;39(3):60–2 (Eng. Abstr.) (Ger)
[Physical, physiological, diagnostic and therapeutic aspects of thermography in clinical dermatology] Issing K, et al. **Z Hautkr** 1985 Oct 1;60(19):1506, 1511–6, 1521–2 passim (Eng. Abstr.) (Ger)
[Telethermographic study in patients operated on by vertebral arthrodesis] Milano C, et al. **Arch Putti Chir Organi Mov** 1984;34:445–9 (Eng. Abstr.) (Ita)
[Telethermography: review of a method] Bodini G, et al. **Boll Soc Ital Biol Sper** 1986 Mar 31;62(3):403–10 (Eng. Abstr.) (Ita)
[Telethermography in the study of obliterative arteriopathies of the legs] Paterna S, et al. **Clin Ter** 1985 Dec 31; 115(6):433–42 (Eng. Abstr.) (Ita)
[Telethermographic image in normal subjects and subjects with liver pathology] Tomassone W, et al. **Minerva Dietol Gastroenterol** 1986 Jan–Mar;32(1):47–8 (Eng. Abstr.) (Ita)
[Breast thermography in the follow–up of substitutive hormonal therapy in menopause] Graziottin A, et al. **Minerva Ginecol** 1986 Jul–Aug;38(7–8):621–4 (Eng. Abstr.) (Ita)
[Pranotherapy and the telethermographic findings] Trapani P. **Minerva Med** 1986 Apr 7;77(14–15):592–9 (Ita)
[Application of thermography in the diagnosis and follow–up of juvenile rheumatoid arthritis] Mignone F, et al. **Minerva Pediatr** 1986 Apr 15;38(7):231–4 (Eng. Abstr.) (Ita)
[Role of thermography in tumors of soft tissues] Gardani G, et al. **Radiol Med (Torino)** 1984 Nov;70(11):876–8 (Ita)
[Practical plate–thermography in the diagnosis of breast cancer] Senoo T. **Gan No Rinsho** 1986 Jan;Suppl:151–61 (Eng. Abstr.) (Jpn)
[Thermographic diagnosis of breast disease] Usuki H, et al. **Gan No Rinsho** 1986 Aug;32(9):958–60 (Eng. Abstr.) (Jpn)
[Various aspects of the thermographic diagnosis of diseases of the genitalia] Mazurin VIa, et al. **Akush Ginekol (Mosk)** 1985 Nov;(11):53–5 (Eng. Abstr.) (Rus)
[Thermography study of the reaction to light in the human brain] Shevelev IA, et al. **Dokl Akad Nauk SSSR** 1985; 284(4):1016–9 (Rus)
[Comparative evaluation of ultrasonic and thermographic methods of diagnosis of diseases of the gallbladder and biliary tract] Doroshenko LN, et al. **Klin Med (Mosk)** 1986 Jun;64(6):94–7 (Rus)
[Thermographic and radionuclide studies in the combined diagnosis of breast cancer] Abushakhmanova AKh. **Med Radiol (Mosk)** 1986 May;31(5):25–30 (Eng. Abstr.) (Rus)
[Thermography and computed tomography in the diagnosis of cancer recurrence after rectal extirpation] Bogdasarov IuB, et al. **Med Radiol (Mosk)** 1986 Jan;31(1):26–31 (Eng. Abstr.) (Rus)
[Thermography in the diagnosis of retinoblastoma in children] Bogdasarov IuB, et al. **Med Radiol (Mosk)** 1985 Dec;30(12):19–21 (Eng. Abstr.) (Rus)
[Thermography in the dispensary care system for the population] Ginzburg LI, et al. **Med Radiol (Mosk)** 1985 Oct;30(10):56–61 (Rus)
[Thermography in the diagnosis of recurrences of rectal cancer] Lenskaia OP, et al. **Med Radiol (Mosk)** 1985 Nov; 30(11):25–9 (Eng. Abstr.) (Rus)
[Thermographic control in the lengthening of an extremity] Batalov OA, et al. **Ortop Travmatol Protez** 1986 Apr; (4):47–8 (Rus)
[Use of thermography for the diagnosis of synovitis, bursitis and tendovaginitis in osteoarthrosis deformans patients] Zabolotnykh II, et al. **Revmatologiia (Moskva)** 1985 Jul–Sep;(3):48–50 (Eng. Abstr.) (Rus)
[Potentials of thermography in maxillofacial diseases] Muntianu IF, et al. **Stomatologiia (Mosk)** 1985 Nov–Dec; 64(6):61–3 (Eng. Abstr.) (Rus)
[Determining the extent of gastric cancer by the thermographic method] Popova TN, et al. **Vestn Khir** 1986 Apr;136(4):20–2 (Eng. Abstr.) (Rus)
[Role of thermography in the evaluation of the results of the surgical treatment of patients with arteriosclerosis obliterans] Skliarenko RT, et al. **Vestn Khir** 1986 May; 136(5):49–53 (Eng. Abstr.) (Rus)
[Possibility of contact thermometry in the early diagnosis of viral hepatitis and acute intestinal infections] Bolko IN, et al. **Voen Med Zh** 1986 Apr;(4):60 (Rus)
[The use of thermovision in monitoring lactation] Curčić–Stojković O, et al. **Med Pregl** 1986;39(1–2):73–5 (Eng. Abstr.) (Ser)
[The value of thermography in the diagnosis and follow–up of lumbo–ischiadic pain] Vujčić M, et al. **Reumatizam** 1985; 32(5–6):109–15 (Eng. Abstr.) (Ser)

ECONOMICS

[Effectiveness of using thermographic examination of the upper respiratory tract] Gmuria EV. **Sov Zdravookhr** 1985; (10):35–7 (Eng. Abstr.) (Rus)

HISTORY

The noninvasive laboratory: history and future of thermography. Winsor T, et al. **Int Angiol** 1985 Jan–Mar; 4(1):41–50 (47 ref.)
Infrared thermography–an historical perspective. Bar–Sella A. **Postgrad Med** 1986 Mar;Spec No:104–6

INSTRUMENTATION

[Technical aspects of medical thermometry] Filippov VA, et al. **Voen Med Zh** 1986 Jun;(6):49–50 (Rus)

METHODS

Computer–aided thermographic evaluation of disturbances of the coronary adaptive reserve: an experimental study. Papp L, et al. **Acta Morphol Hung** 1985;33(3–4):179–88
Use of liquid crystal thermography in the evaluation of the diabetic foot. Stess RM, et al. **Diabetes Care** 1986 May–Jun; 9(3):267–72
Tamoxifen responders selection by computerized contact thermography in benign breast disease. Cupceancu B, et al. **Endocrinologie** 1986 Apr–Jun;24(2):115–22
Liquid crystal thermography of the breast. Bothmann G. **Eur J Gynaecol Oncol** 1986;7(2):88–92
Liquid crystal thermography of the thyroid. Göblyös P, et al. **Eur J Radiol** 1985 Nov;5(4):291–4
Thermography in suspected deep venous thrombosis of lower leg. Soini IH. **Eur J Radiol** 1985 Nov;5(4):281–4
Thermoencephaloscopy. Shevelev IA, et al. **Hum Physiol** 1986 Jan–Feb;12(1):1–8
Portable thermogram technique for topically applied benzydamine cream in acute soft–tissue injuries. Haig G. **Int J Tissue React** 1986;8(2):145–7
Development of microcomputer–aided pyroelectric thermal imaging system and application to pain management. Hasegawa J, et al. **Med Biol Eng Comput** 1986 May; 24(3):275–80
A water surface as thermal reference object for thermography. Lubbers J, et al. **Phys Med Biol** 1985 Aug; 30(8):845–51
The applicability of microwave thermography for deep–seated volumes. Bruggmoser G, et al. **Recent Results Cancer Res** 1986;101:88–98
The evaluation of liquid crystal thermography in the investigation of nerve root compression due to lumbosacral lateral spinal stenosis. Mills GH, et al. **Spine** 1986 Jun; 11(5):427–32
The value of adding thermographic leg scanning to impedance plethysmography in the detection of deep vein thrombosis. Jonker JJ, et al. **Thromb Res** 1986 Jun 1; 42(5):681–8
[Determination of the dimensions of areas and their temperature deviations on the body surface] Smolan S, et al. **Cesk Radiol** 1985 Oct;39(5):331–3 (Eng. Abstr.) (Cze)
[Thermographic studies with fluid crystals in peripheral nerve damage] Mundt B, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Jan;38(1):9–15 (Eng. Abstr.) (Ger)
[Liquid–crystal thermography of the hands as compared with x–ray diagnosis, clinical findings and capillary microscopy in progressive scleroderma] Loreck D, et al. **Radiol Diagn (Berl)** 1985;26(6):835–48 (Eng. Abstr.) (Ger)
[New methods of digital evaluation of thermograms of breast cancer] Sechter AI, et al. **Radiol Diagn (Berl)** 1986; 27(2):267–70 (Eng. Abstr.) (Ger)
[Thermographic diagnosis of arthritis in peripheral joints] Oblinger W, et al. **Z Rheumatol** 1985 Mar–Apr;44(2):77–81 (Eng. Abstr.) (Ger)
[Scrotal telethermography in the diagnosis of dyspermia caused by varicocele] Cannizzaro MA, et al. **Minerva Urol Nefrol** 1985 Jan–Mar;37(1):57–62 (Eng. Abstr.) (Ita)
[Telethermographic patterns in scrotal diseases. Analysis of the causes of hypothermia] Coppola V, et al. **Radiol Med (Torino)** 1984 Nov;70(11):857–61 (Eng. Abstr.) (Ita)
[Value of dynamic infrared telethermography in diagnosing eye tumors] Anton M, et al. **Rev Chir [Oftalmol]** 1985 Jul–Sep;29(3):207–11 (Eng. Abstr.) (Rum)
[Comparative evaluation of pulsating and nonpulsating hypothermic artificial circulation based on multichannel thermographic data] Belikov AV, et al. **Anesteziol Reanimatol** 1985 May–Jun;(3):23–6 (Eng. Abstr.) (Rus)
[Possibilities of acoustic thermography of biological objects] Guliaev IuV, et al. **Dokl Akad Nauk SSSR** 1985; 283(6):1495–9 (Rus)
[Thermoencephaloscopy] Shevelev IA, et al. **Fiziol Cheloveka** 1986 Jan–Feb;12(1):7–15 (Rus)
[Liquid–crystalline thermography in the diagnosis of acute paraproctitis] Smirnov VE, et al. **Klin Khir** 1986;(2):43–4 (Eng. Abstr.) (Rus)
[Determination of the tissue microcirculatory function in the maxillofacial area by the use of liquid crystals] Dmitrieva VS, et al. **Stomatologiia (Mosk)** 1986 Jan–Feb;65(1):29–30 (Eng. Abstr.) (Rus)
[Use of color contact thermography for diagnosing aortic and iliac artery diseases] Moiseenko MD, et al. **Vestn Khir** 1986 Jan;136(1):60–4 (Eng. Abstr.) (Rus)
[Use of liquid crystals for determining burn depth] Zheleznyĭ VI, et al. **Vestn Khir** 1986 Jun;136(6):86–8 (Eng. Abstr.) (Rus)
[Experience in using liquid–crystal thermography in ophthalmological practice] Sverdlik AIa, et al. **Vestn Oftalmol** 1985 Jul–Aug;101(4):54–7 (Rus)
[Methodological aspects of thermodiagnosis] Rozenfel'd LG, et al. **Vrach Delo** 1985 Sep;(9):117–9 (Rus)
[Sensory mapping of the rat cerebral cortex by thermographic methods] Shevelev IA, et al. **Zh Evol Biokhim Fiziol** 1985 Sep–Oct;21(5):522–7 (Eng. Abstr.) (Rus)

STANDARDS

Artifact detection in neuromuscular thermography: rationale for repeating the neuromuscular thermogram three times at 15–minute intervals as described in the standards of the Academy of Neuro–Muscular Thermography. Wexler CE.

Postgrad Med 1986 Mar;Spec No:34-9

TRENDS

Neuromuscular thermography: its past, its present status and future prospects. Wexler CE. Postgrad Med 1986 Mar;Spec No:9-20

VETERINARY

Thermography of the bovine scrotum. Purohit RC, et al. Am J Vet Res 1985 Nov;46(11):2388-92

THERMOGRAVIMETRY see under CHEMISTRY, ANALYTICAL

THERMOLUMINESCENT DOSIMETRY

Thermoluminescence response of LiF to alpha radiation. Barber DE, et al. Health Phys 1986 Jun;50(6):805-8

A contribution to optimizing radiological protection in a U mine. Lombard J, et al. Health Phys 1986 Apr;50(4):473-83

Effect of variable doses of ultraviolet radiation (253.7 nm) on thermoluminescence NaCl:Ca(T) material. Nehate AK, et al. Health Phys 1986 Apr;50(4):485-91

Production of LiF:Ti thermoluminescence dosimeter material. Aypar A, et al. Int J Appl Radiat Isot 1985 Jul; 36(7):566-8

Thermoluminescence of 7LiF in therapeutic high linear energy transfer (LET) charged-particle beams. Chu CL, et al. Phys Med Biol 1986 Feb;31(2):145-60

[Teleradiography and radiothermoluminescent dosimetry of the facial profile of a phantom] Pellerin Y. Orthod Fr 1983; 54(2):579-87 (Eng. Abstr.) (Fre)

[A dosimetric fatty tissue-equivalent thermoluminescent system] Kalmykov LZ, et al. Radiobiol Radiother (Berl) 1986;27(1):67-73 (Eng. Abstr.) (Ger)

[Supralinearity of radiothermoluminescent dosimetry] Schedel C, et al. ROFO 1985 Dec;143(6):714-7 (Eng. Abstr.) (Ger)

[EPR and TL measurements of BeO "Termalox 995" irradiated with photons] Azzoni CB, et al. Radiol Med (Torino) 1985 Jul-Aug;71(7-8):521-4 (Eng. Abstr.) (Ita)

INSTRUMENTATION

The influence of regenerated thermoluminescence on low-dose dosimetry. Kitis G, et al. Health Phys 1985 Dec; 49(6):1193-6

Production of element correction factors for thermoluminescent dosimeters. Plato P, et al. Health Phys 1985 Nov;49(5):873-81

An alternative technique for attaching thermoluminescent dosimeters to small mammals. Rumble MA, et al. Health Phys 1986 Aug;51(2):245-8

Miniature thermoluminescent dosimeter absorbed dose measurements in tumor phantom models. Wessels BW, et al. J Nucl Med 1986 Aug;27(8):1308-14

Skin beta-dose assessment with ultra-thin thermoluminescent detectors. da Rosa LA, et al. Phys Med Biol 1986 Jun; 31(6):677-82

[An integrator for lyoluminescent dosimetry] Bouček J, et al. Cesk Radiol 1985 Oct;39(5):334-8 (Eng. Abstr.) (Cze)

STANDARDS

[International survey of the status of dosimetry for controlling quality assurance in radiotherapy (WHO)] Racoveanu NT. Med Radiol (Mosk) 1985 Sep;30(9):71-4 (Eng. Abstr.) (Rus)

THERMOLYSIN

ANTAGONISTS & INHIBITORS

Crystallographic structural analysis of phosphoramidates as inhibitors and transition-state analogs of thermolysin. Tronrud DE, et al. Eur J Biochem 1986 Jun 2;157(2):261-8

BLOOD

Thermolysin-like serum metalloendopeptidase. A new marker for active sarcoidosis that complements serum angiotensin-converting enzyme. Almenoff J, et al. Ann NY Acad Sci 1986;465:738-43

ISOLATION & PURIFICATION

Autolysis of thermolysin. Isolation and characterization of a folded three-fragment complex. Fassina G, et al. Eur J Biochem 1986 Apr 15;156(2):221-8

METABOLISM

Correlation between sites of limited proteolysis and segmental mobility in thermolysin. Fontana A, et al. Biochemistry 1986 Apr 22;25(8):1847-51

Substrate and inhibitor studies of thermolysin-like neutral metalloendopeptidase from kidney membrane fractions. Comparison with bacterial thermolysin. Pozsgay M, et al. Biochemistry 1986 Mar 25;25(6):1292-9

Reaction mechanism, specificity and pH-dependence of peptide synthesis catalyzed by the metalloproteinase thermolysin. Riechmann L, et al. Biochim Biophys Acta 1986 Aug 15;872(3):269-76

The thermodynamics of calcium binding to thermolysin. Buchanan JD, et al. Biophys Chem 1986 Mar; 23(3-4):183-99

Binding between thermolysin and its specific inhibitor, N-phosphoryl-L-leucyl-L-tryptophan (PLT). Kitagishi K, et al. J Biochem (Tokyo) 1986 Jan;99(1):191-7

Comparison of the subsite specificity of the mammalian neutral endopeptidase 24.11 (enkephalinase) to the bacterial neutral endopeptidase thermolysin. Hersh LB, et al. J Biol Chem 1986 May 15;261(14):6433-7

Activation of plasma and amniotic prorenin by metalloprotease and trypsin. Takada Y, et al. J Clin Endocrinol Metab 1986 Mar;62(3):569-76

PHARMACODYNAMICS

Purification of human urinary prokallikrein. Identification of the site of activation by the metalloproteinase thermolysin. Takada Y, et al. Biochem J 1985 Dec 15;232(3):851-8

THERMOMETERS

Rectal thermometer complication [letter] di Paola I, et al. Anaesth Intensive Care 1985 Nov;13(4):441

Artifacts in the measurement of skin temperature under infant radiant warmers. LeBlanc MH, et al. Ann Biomed Eng 1985; 13(5):443-50

Liquid crystal thermometry for continuous temperature measurement in emergency department patients. Dart RC, et al. Ann Emerg Med 1985 Dec;14(12):1188-90

Noninvasive thermometry using multiple-frequency-band radiometry: a feasibility study. Prionas SD, et al. Bioelectromagnetics 1985;6(4):391-404

A thermocouple system for continuous thermometry in radiofrequency hyperthermia. Griffiths H, et al. Br J Radiol 1985 Feb;58(686):169-70

Estimating outdoor thermal comfort using a cylindrical radiation thermometer and an energy budget model. Brown RD, et al. Int J Biometeorol 1986 Mar;30(1):43-52

The practical use of thermocouples for temperature measurement in clinical hyperthermia. Carnochan P, et al. Int J Hyperthermia 1986 Jan-Mar;2(1):1-19 (36 ref.)

Learning the basics #3: monitoring treatment with tissue temperature measurement. Kuflik EG. J Dermatol Surg Oncol 1986 Sep;12(9):925-6

Urine temperature and core temperature [letter] Ehrenkranz JR. JAMA 1986 Apr 11;255(14):1880-1

Outbreak of Salmonella eimsbuettel in newborn infants spread by rectal thermometers. McAllister TA, et al. Lancet 1986 May 31;1(8492):1262-4

Heat production in microwave-irradiated thermocouples. Dunscombe PB, et al. Med Phys 1986 Jul-Aug;13(4):457-61

Temperature measurement and control of small volumes: applications for single channel recording. Auerbach A, et al. Methods Enzymol 1986;124:190-206

A new method for measuring body temperature. Ehrenkranz JR. NJ Med 1986 Feb;83(2):93-6

Automatic electronic device for maintaining the temperature of curarized animals at a constant level in acute experiments. Neştianu V, et al. Physiologie 1986 Jan-Mar; 23(1):37-41

Fiber Fabry-Perot thermometer for medical applications. Kist R, et al. Recent Results Cancer Res 1986;101:103-8

Optimal siting of heat flux transducers for the assessment of body heat loss when immersed in water. Bell PY, et al. Undersea Biomed Res 1985 Dec;12(4):465-83

[Thermometry during electromagnetic hyperthermia] Bouček J, et al. Sb Lek 1986 Jul;88(7):193-8 (Eng. Abstr.) (Cze)

[Basal temperature chart based on oral temperatures measured thermo-electrically] Espersen T, et al. Ugeskr Laeger 1985 Sep 23;147(39):3052-3 (Eng. Abstr.) (Dan)

[Measurement of oral temperature with the Craftemp and Ivac electrothermometers] Schou C, et al. Ugeskr Laeger 1985 Sep 23;147(39):3048-51 (Eng. Abstr.) (Dan)

[Measurement of temperature with an electronic thermometer and a mercury thermometer. A comparative study] Tørring H, et al. Ugeskr Laeger 1985 Sep 23; 147(39):3045-7 (Eng. Abstr.) (Dan)

[Initial experiences with the Nevermann instrument for measuring room climate] Völksch G, et al. Z Gesamte Hyg 1986 Jan;32(1):17-8 (Eng. Abstr.) (Ger)

[Temperature measuring system with an implantable sensor for use in hyperthermia] Saitoh Y, et al. Iyodenshi To Seitai Kogaku 1986 Feb;24(1):41-6 (Eng. Abstr.) (Jpn)

[Clinical studies on radiofrequency capacitive hyperthermia for deep-seated tumors. Part I. Studies on thermometry] Hiraoka M, et al. Nippon Igaku Hoshasen Gakkai Zasshi 1985 Sep 25; 45(9):1245-52 (Eng. Abstr.) (Jpn)

[Thermometry in the orthodontic clinic] Kovalenko AF, et al. Stomatologiia (Mosk) 1986 Mar-Apr;65(2):78-80 (Eng. Abstr.) (Rus)

[Technical aspects of medical thermometry] Filippov VA, et al. Voen Med Zh 1986 Jun;(6):49-50 (Rus)

[Decimeter radiothermometry in the diagnosis of brain tumors] Gustov AV, et al. Zh Vopr Neirokhir 1986 Jan-Feb;(1):27-31 (Eng. Abstr.) (Rus)

VETERINARY

[Thermistor probe for testing an antipyretic suppository in rabbits] Ema M, et al. Jikken Dobutsu 1986 Apr;35(2):181-3 (Eng. Abstr.) (Jpn)

THERMOPLASMA

ANALYSIS

Preliminary X-ray diffraction studies on a ferredoxin from the thermophilic archaebacterium, Thermoplasma acidophilum. Tsukihara T, et al. J Mol Biol 1985 Nov 20; 186(2):481-2

[Evolutionary status of acids-thermophilic archaebacteria] Oshima T. Tanpakushitsu Kakusan Koso 1985 Jun;30(7 Suppl):846-54 (50 ref.) (Jpn)

ENZYMOLOGY

Purification and properties of malate dehydrogenase from the thermoacidophilic archaebacterium Thermoplasma acidophilum. Grossebüter W, et al. Biol Chem Hoppe Seyler 1986 Jun;367(6):457-63

THERMORECEPTORS

Fatty acid synthetase as a thermoreceptor in Candida utilis. Ito Y, et al. J Biochem (Tokyo) 1986 Jun;99(6):1713-8

DRUG EFFECTS

Effects of carbon dioxide inhalation on preoptic thermosensitive neurons. Tamaki Y, et al. Pflugers Arch 1986 Jul;407(1):8-13

[Mechanism of action of noradrenaline on cutaneous thermoreceptors] Kozyreva TV, et al. Fiziol Zh SSSR 1985 Nov;71(11):1344-50 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Inhibition of shivering in man by thermal stimulation of the facial area. Mekjavic IB, et al. Acta Physiol Scand 1985 Dec;125(4):633-7

Temperature receptors in the central nervous system. Boulant JA, et al. Annu Rev Physiol 1986;48:639-54 (104 ref.)

Cutaneous temperature receptors. Spray DC. Annu Rev Physiol 1986;48:625-38 (140 ref.)

Sensitivity to thermal stimulation in prairie rattlesnakes (Crotalus viridis) after bilateral anesthetization of the facial pits. Chiszar D, et al. Behav Neural Biol 1986 Jan; 45(1):143-9

Dual pathways for thermal afferents from the cat's tongue. Kawahara K, et al. Brain Res 1986 Jul 16;378(1):61-8

Response of cat skin mechanothermal nociceptors to cold stimulation. Saumet JL, et al. Brain Res Bull 1985 Nov; 15(5):529-32

An inexpensive programmable stimulator for the study of thermal sensation. Pepler JH, et al. J Neurosci Methods 1985 Oct-Nov;15(2):131-40

Effects of skin temperature on cold defense after cutaneous denervation of the trunk. Heath ME, et al. Pflugers Arch 1986 Aug;407(2):175-7

Comparison of influences of stimulation of the Ammon's horn and subiculum to thermosensitive preoptic and septal neurons. Osaka T, et al. Pflugers Arch 1986 Jan;406(1):86-7

[Interaction of thermoreceptive and vestibular signalling in regulating the activity of flexor and extensor motor nuclei during cold tremor] Lupandin IuV, et al. Fiziol Zh SSSR 1985 Nov;71(11):1433-8 (Eng. Abstr.) (Rus)

RADIATION EFFECTS

[Mechanism of the effect of nonionizing radiation on animals at the level of sensory systems] Arifulin AA, et al. Radiobiologiia 1986 Mar-Apr;26(2):247-50 (Eng. Abstr.) (Rus)

THERMOREGULATION see BODY TEMPERATURE REGULATION

THERMOTHERAPY see HYPERTHERMIA, INDUCED

THERMUS

ENZYMOLOGY

Covalent linking of poly(ethyleneglycol)-bound NAD with Thermus thermophilus malate dehydrogenase. NAD(H)-regeneration unit for a coupled second-enzyme reaction. Eguchi T, et al. Eur J Biochem 1986 Mar 3; 155(2):415-21

Characterization of an essential histidine residue in thermophilic malate dehydrogenase. Iijima S, et al. J Biochem (Tokyo) 1986 Jun;99(6):1667-72

Allosteric effect of fructose 1,6-bisphosphate on the conformation of NAD+ as bound to L-lactate dehydrogenase from Thermus caldophilus GK24. Machida M, et al. J Biol Chem 1985 Dec 25;260(30):16143-7

The structure of manganese superoxide dismutase from Thermus thermophilus HB8 at 2.4-A resolution. Stallings WC, et al. J Biol Chem 1985 Dec 25;260(30):16424-32

Two types of tRNA(Gm)methylase found in extreme thermophile, Thermus thermophilus strains HB 8 and HB

27. Hori H, et al. **Nucleic Acids Symp Ser** 1985;(16):225–8

GENETICS

NMR study of isoleucine transfer RNA from Thermus thermophilus. Choi BS, et al. **Biochemistry** 1986 Apr 8; 25(7):1529–34

Genetic transformation of the extreme thermophile Thermus thermophilus and of other Thermus spp. Koyama Y, et al. **J Bacteriol** 1986 Apr;166(1):338–40

METABOLISM

Two tRNAIle1 species from an extreme thermophile, Thermus thermophilus HB8: effect of 2-thiolation of ribothymidine on the thermostability of tRNA. Horie N, et al. **Biochemistry** 1985 Oct 8;24(21):5711–5

Evidence for a redox-linked ionizable group associated with the [2Fe-2S] cluster of Thermus Rieske protein. Kuila D, et al. **J Biol Chem** 1986 Feb 25;261(6):2768–71

THEROPITHECUS GELADA see under **CERCOPITHECIDAE**

THESES see **DISSERTATIONS, ACADEMIC**

THETA RHYTHM see under **ELECTROENCEPHALOGRAPHY**

THIABENDAZOLE

ANALOGS & DERIVATIVES

Thiabendazole and 5-hydroxythiabendazole in the plasma of sheep. Weir AJ, et al. **J Vet Pharmacol Ther** 1985 Dec; 8(4):413–4

ANALYSIS

Electron capture gas chromatographic determination of thiabendazole in yams. Bardalaye PC, et al. **J Assoc Off Anal Chem** 1986 Jan-Feb;69(1):114–6

BLOOD

Thiabendazole and 5-hydroxythiabendazole in the plasma of sheep. Weir AJ, et al. **J Vet Pharmacol Ther** 1985 Dec; 8(4):413–4

METABOLISM

Irreversible in vivo binding of thiabendazole to macromolecules in pregnant mice and its relation to teratogenicity. Yoneyama M, et al. **Food Chem Toxicol** 1985 Aug;23(8):733–6

PHARMACODYNAMICS

The effect of thiabendazole on pain threshold. Gomaa AA. **Acta Pharmacol Toxicol (Copenh)** 1985 Jul;57(1):18–22

THERAPEUTIC USE

Survey of anthelmintic resistance in Western Australian sheep flocks. 2. Relationship with sheep management and parasite control practices. Edwards JR, et al. **Aust Vet J** 1986 May; 63(5):139–44

The prevalence of anthelmintic resistance in sheep nematodes on the central tablelands of New South Wales. Webb RF, et al. **Aust Vet J** 1986 Jan;63(1):13–6

Study on the evaluation of the use of thiabendazole in the treatment and control of bovine dermatophytosis. Gabal MA. **Mycopathologia** 1986 Mar;93(3):163–8

Anthelmintic evaluation of a thiabendazole-resistant strain of Ostertagia circumcincta recovered from sheep in England. Britt DP, et al. **Vet Parasitol** 1986 Jan; 19(1-2):95–101

Role of host immunity on the efficacy of thiabendazole in rats infected with Nippostrongylus brasiliensis. Katiyar JC, et al. **Wiad Parazytol** 1986;32(2):163–72

TOXICITY

In vivo inhibition of adenosine triphosphate (ATP) synthesis associated with thiabendazole-induced teratogenesis in mice and rats. Tsuchiya T, et al. **Arch Toxicol** 1985 Sep; 57(4):243–5

Enhancing effect of thiabendazole on urinary bladder carcinogenesis induced by sodium o-phenylphenate in F344 rats. Fujii T, et al. **Food Chem Toxicol** 1986 Mar; 24(3):207–11

Effects of thiabendazole on the mouse limb-bud organ and cell in culture. Tsuchiya T, et al. **Toxicol Lett** 1986 Jan; 30(1):19–26

THIACETAZONE

ADMINISTRATION & DOSAGE

Ethionamide, prothionamide and thiacetazone self-administration. Studies of patient compliance using isoniazid-marked formulations. Stanley JN, et al. **Lepr Rev** 1986 Mar;57(1):9–18

[The therapeutic efficacy of a streptomycin-hydrazide-thiacetazone regimen with different dosages of thiacetazone in pulmonary tuberculosis] **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Apr;9(2):72–6, 125 (Eng. Abstr.) **(Chi)**

THIADIAZINES see under **THIAZINES**

THIADIAZOLES

ADVERSE EFFECTS

Clinical and clinical pharmacologic studies of 2-amino-1,3,4-thiadiazole (A-TDA:NSC 4728). Stewart JA, et al. **Cancer Chemother Pharmacol** 1986;16(3):287–91

Epidemiologic study on the skin lesions of workers exposed to N,N'-methylene-bis-(2-amino-1,3,4-thiadiazole) and of children in the neighborhood of the factory. Qian C, et al. **Scand J Work Environ Health** 1985;11 Suppl 4:55–9

An epidemiological study on the effect of N, N'-methylene-bis-(2-amino-1,3,4-thiadiazole) (MATDA) on outcomes of pregnancy. Li DK, et al. **Teratology** 1986 Jun;33(3):289–97

CHEMICAL SYNTHESIS

N-Substituted sulfonamide carbonic anhydrase inhibitors with topical effects on intraocular pressure. Duffel MW, et al. **J Med Chem** 1986 Aug;29(8):1488–94

[Synthesis and H2-antagonistic action of 1,3,4-thiadiazole-2,5-diamines] Wegner K. **Arch Pharm (Weinheim)** 1986 Jan;319(1):85–8 **(Ger)**

METABOLISM

Cephalosporin-induced hypoprothrombinemia: possible role for thiol methylation of 1-methyltetrazole-5-thiol and 2-methyl-1,3,4-thiadiazole-5-thiol. Kerremans AL, et al. **J Pharmacol Exp Ther** 1985 Nov;235(2):382–8

PHARMACODYNAMICS

The locus of inhibition of NADH oxidation by benzothiadiazoles in beef heart submitochondrial particles. Ferreira J, et al. **Biochem Int** 1986 Mar;12(3):447–59

L-643,441: an H2-receptor antagonist with potent and long-lasting effects in man. Henry DA, et al. **Br J Clin Pharmacol** 1985 Aug;20(2):133–6

Antitumor activity of 5-substituted 2-acylamino-1,3,4-thiadiazoles against transplantable rodent tumors. Miyamoto K, et al. **Chem Pharm Bull (Tokyo)** 1985 Nov;33(11):5126–9

Irreversible antagonism of histamine H2 receptors in guinea-pig myocardium. MacLeod KM, et al. **Eur J Pharmacol** 1986 May 27;124(3):331–6

Pharmacological comparison of ORF 17910, a potent, long-acting histamine H2-receptor antagonist, to cimetidine and ranitidine. Katz LB, et al. **J Pharmacol Exp Ther** 1986 Aug;238(2):587–93

THERAPEUTIC USE

Aminothiadiazole (NSC 4728) in patients with advanced ovarian carcinoma. A phase II study of the Gynecologic Oncology Group. Asbury RF, et al. **Am J Clin Oncol** 1986 Aug;9(4):334–6

Aminothiadiazole: an antineoplastic thiadiazole. O'Dwyer PJ, et al. **Cancer Treat Rep** 1986 Jul;70(7):885–9 (36 ref.)

Phase II trial of aminothiadiazole in advanced non-small cell lung cancer. Shevrin DH, et al. **Cancer Treat Rep** 1986 Mar;70(3):417–8

TOXICITY

Mutagenicity of CL 64855, a potent anti-Trypanosoma cruzi drug. Ferreira RC, et al. **Mutat Res** 1986 Jul;171(1):11–5

THIAMINE

[Case of massive hepatic steatosis secondary to thiamine abuse] Buligescu L, et al. **Rev Med Interna [Med Interna]** 1986 Mar-Apr;38(2):183–92 (Eng. Abstr.) **(Rum)**

ADMINISTRATION & DOSAGE

Should thiamine be added to beer? Finlay-Jones R. **Aust NZ J Psychiatry** 1986 Mar;20(1):3–6

Parenteral nutrition [letter] Anderson SH, et al. **Br Med J [Clin Res]** 1985 Dec 14;291(6510):1723–4

Adult thiamine requirements and the continuing need to fortify processed cereals. Anderson SH, et al. **Lancet** 1986 Jul 12;2(8498):85–9

ADVERSE EFFECTS

[Reversible and irreversible lesions of the conus medullaris and cauda equina after lumber paravertebral infiltration injection] Pohl J, et al. **Fortschr Med** 1985 Sep 26; 103(36):849–51 (Eng. Abstr.) **(Ger)**

[Hypokalemic periodic paralysis provoked by "Ambene"] Wessel K, et al. **Nervenarzt** 1985 Dec;56(12):696–702 (Eng. Abstr.) **(Ger)**

ANALOGS & DERIVATIVES

Content of thiamin phosphate esters in mammalian tissues—an extremely high concentration of thiamin triphosphate in pig skeletal muscle. Egi Y, et al. **Biochem Int** 1986 Mar;12(3):385–90

Bioavailability of sugar-coated tablets of thiamine disulfide in humans. II. Correlation with bioavailability in beagle dogs. Aoyagi N, et al. **Chem Pharm Bull (Tokyo)** 1986 Jan; 34(1):292–300

Bioavailability of sugar-coated tablets of thiamine disulfide in humans. I. Effect of gastric acidity and in vivo-in vitro correlation. Aoyagi N, et al. **Chem Pharm Bull (Tokyo)** 1986 Jan;34(1):281–91

Inversion of T/TMP ratio in ALS: a specific finding? Poloni M, et al. **Ital J Neurol Sci** 1986 Jun;7(3):333–5

Comparison of the effects of some thiamine analogues upon thiamine transport across the blood-brain barrier of the rat. Greenwood J, et al. **J Physiol (Lond)** 1985 Dec; 369:79–91

Separation and determination of thiamin and its phosphate esters by SP-Sephadex chromatography. Cooper JR, et al. **Methods Enzymol** 1986;122:20–4

Determination of thiamin and its phosphate esters by high-performance liquid chromatography. Kawasaki T. **Methods Enzymol** 1986;122:15–20

Chronic administration of sulbutiamine improves long term memory formation in mice: possible cholinergic mediation. Micheau J, et al. **Pharmacol Biochem Behav** 1985 Aug; 23(2):195–8

[Biosynthesis of thiamine triphosphate and identification of thiamine diphosphate-binding proteins in the rat liver hyaloplasm] Voskoboev AI, et al. **Biokhimiia** 1985 Sep; 50(9):1421–7 (Eng. Abstr.) **(Rus)**

ANALYSIS

Content of thiamin phosphate esters in mammalian tissues—an extremely high concentration of thiamin triphosphate in pig skeletal muscle. Egi Y, et al. **Biochem Int** 1986 Mar;12(3):385–90

Effects of storage and processing on the nutritive value of certain Nigerian foods. Ukhun ME. **Experientia** 1986 Aug 15;42(8):948–50

Simple rapid determination of thiamin by a HPLC method in foods, body fluids, urine and faeces. Böttticher B, et al. **Int J Vitam Nutr Res** 1986;56(2):155–9

Liquid chromatographic determination of thiamine in infant formula products by using ultraviolet detection. Ayi BK, et al. **J Assoc Off Anal Chem** 1985 Nov-Dec;68(6):1087–92

Analysis of thiamine in milk by gas chromatography and the nitrogen-phosphorus detector. Echols RE, et al. **J Dairy Sci** 1986 May;69(5):1246–9

Wernicke's encephalopathy in a metropolitan hospital. A prospective study of incidence, characteristics and outcome. Wood B, et al. **Med J Aust** 1986 Jan 6;144(1):12–6

Determination of thiamin and its phosphate esters by high-performance liquid chromatography. Kawasaki T. **Methods Enzymol** 1986;122:15–20

An improved simple procedure for the determination of thiamine in food. Šebečić B, et al. **Nahrung** 1986; 30(5):527–32

Effect of irradiation and storage time on the content of thiamine, riboflavin, and vitamin A in feeds based on cereals. Hanif T, et al. **Z Versuchstierkd** 1985; 27(3-4):169–73

[The regional change of thiamine and its phosphate esters levels in thiamine deficient rat brain] Yonekawa M, et al. **Rinsho Shinkeigaku** 1986 Jan;26(1):59–65 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Can heatstable antithiamin factors inactivate thiamin in vitro and/or in vivo? Hayakawa F, et al. **Int J Vitam Nutr Res** 1986;56(1):65–72

BIOSYNTHESIS

Biosynthesis of thiamine: origin of the methyl carbon atom of the pyrimidine moiety in Salmonella typhimurium. Estramareix B, et al. **Biochem Biophys Res Commun** 1986 Feb 13;134(3):1136–41

Biosynthesis of thiamin. Precursor of C-5, C-6, and hydroxymethyl carbon atoms of the pyrimidine moiety in a eucaryote. Tazuya K, et al. **Biochem Int** 1986 May; 12(5):661–8

BLOOD

Serum thiamin, pyridoxal, cobalamin and folate concentrations in young infants. Davis RE, et al. **Acta Paediatr Scand** 1986 May;75(3):402–7

B vitamins in epileptics. Krause KH, et al. **Bibl Nutr Dieta** 1986;(38):154–67

Thiamin status in normal and malnourished children in Jamaica. Hailemariam B, et al. **Br J Nutr** 1985 May; 53(3):477–83

Assessment of the thiamine nutritional status. An evaluation of erythrocyte transketolase activity, the stimulated erythrocyte transketolase activity, and the thiamine pyrophosphate effect. Graudal N, et al. **Int J Vitam Nutr Res** 1985;55(4):399–403

Protein binding of thiamin in human plasma. Thom JY, et al. **Int J Vitam Nutr Res** 1986;56(2):189

Determination of thiamine and its phosphate esters in human and rat blood by high-performance liquid chromatography with post-column derivatization. Kimura M, et al. **J Chromatogr** 1985 Sep 20;332:181–8

[Relation between the changes in thiamine metabolism and

energy processes in erythrocytes of patients with diabetes mellitus and approaches to their correction with drugs] Chobit'ko VG, et al. **Vopr Med Khim** 1986 May-Jun; 32(3):118-21 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Inversion of T/TMP ratio in ALS: a specific finding? Poloni M, et al. **Ital J Neurol Sci** 1986 Jun;7(3):333-5

GENETICS

Second symbiotic megaplasmid in Rhizobium meliloti carrying exopolysaccharide and thiamine synthesis genes. Finan TM, et al. **J Bacteriol** 1986 Jul;167(1):66-72

ISOLATION & PURIFICATION

Separation and determination of thiamin and its phosphate esters by SP-Sephadex chromatography. Cooper JR, et al. **Methods Enzymol** 1986;122:20-4

METABOLISM

Intestinal absorption of thiamin from yeast-containing sorghum beer. Katz D, et al. **Am J Clin Nutr** 1985 Oct; 42(4):666-70

Determination of the metabolic origin of the sulfur atom in thiamin of Escherichia coli by mass spectrometry. DeMoll E, et al. **Biochem Biophys Res Commun** 1985 Oct 15; 132(1):217-22

Effect of tunicamycin on thiamine transport in Saccharomyces cerevisiae. Nosaka K, et al. **Biochim Biophys Acta** 1986 Jun 26;858(2):309-11

Effect of a phenyl group in quaternary ammonium compounds on thiamine uptake in isolated rat hepatocytes. Yoshioka K, et al. **Biochim Biophys Acta** 1985 Oct 10; 819(2):263-6

Thiamine-binding activity of Saccharomyces cerevisiae plasma membrane. Nishimura H, et al. **Experientia** 1986 Jun 15;42(6):607-8

Comparison of the effects of some thiamine analogues upon thiamine transport across the blood-brain barrier of the rat. Greenwood J, et al. **J Physiol (Lond)** 1985 Dec; 369:79-91

Turnover of [14C]thiamin and activities of thiamin pyrophosphate-dependent enzymes in tissues of mice with Ehrlich ascites carcinoma. Trebukhina RV, et al. **Nutr Cancer** 1984;6(4):260-73

[Molecular aspects of bioelectrogenesis: application to epilepsy] Schoffeniels E. **Bull Acad Natl Med (Paris)** 1985 Oct;169(7):1079-85 (Eng. Abstr.) **(Fre)**

[Interaction of lipoic acid and thiamine during absorption into the small intestine of the dog] Karpov LM, et al. **Fiziol Zh** 1985 Nov-Dec;31(6):750-3 **(Rus)**

[Correlation of the actual vitamin B1, B2 and B6 consumption with the biochemical indices of their body allowance] Bondarev GI, et al. **Vopr Pitan** 1986 Mar-Apr;(2):34-7 (Eng. Abstr.) **(Rus)**

[Thiamine metabolism in experimental hepatitis and the intake of Naftusia mineral water] Leus NF. **Vopr Pitan** 1986 Mar-Apr;(2):59-62 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effect of thiamin status on the metabolism of linamarin in rats. Umoh IB, et al. **Ann Nutr Metab** 1985;29(5):319-24

Influence of vitamin B1, B6, and B12 on the control of fine motoric movements. Bonke D. **Bibl Nutr Dieta** 1986; (38):104-9

Thiamine blockade of neuromuscular transmission. Enomoto K, et al. **Brain Res** 1985 Dec 9;358(1-2):316-23

[Thiamin. Vitamin, drug and reagent in organic chemistry] Dannhardt G, et al. **Pharm Unserer Zeit** 1985 Nov; 14(6):177-88 **(Ger)**

[Effect of thiamine on neuromuscular transmission in the frog] Romanenko AV. **Neirofiziologiia** 1985;17(6):794-800 (Eng. Abstr.) **(Rus)**

[Use of thiamine for correcting the immune response during physical loading] Omeliusik IL, et al. **Vopr Pitan** 1985 Nov-Dec;(6):50-3 (Eng. Abstr.) **(Rus)**

[Level of thiamine diphosphate in the liver of tumor-bearing animals kept on a diet including an excessive amount of vitamin B 1] Trebukhina RV, et al. **Vopr Pitan** 1986 Jan-Feb;(1):63-5 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Effect of some monoamine oxidase inhibitors on the thiamin status of rabbits. Ali BH. **Br J Pharmacol** 1985 Dec; 86(4):869-75

Activities of thiamine-dependent enzymes in two experimental models of thiamine-deficiency encephalopathy. 2. alpha-Ketoglutarate dehydrogenase. Butterworth RF, et al. **Neurochem Res** 1986 Apr; 11(4):567-77

Thiamin status in Australia. Wood B. **World Rev Nutr Diet** 1985;46:148-218 (243 ref.)

THERAPEUTIC USE

Xanthopsia treated with thiamine. von Eyben FE, et al. **Acta Ophthalmol (Copenh)** 1985 Oct;63(5):591-2

Preventive and therapeutic effects of thiamine, ascorbic acid and their combination in lead intoxication. Flora SJ, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 May;58(5):374-8

Pain and vitamin B1 therapy. Quirin H. **Bibl Nutr Dieta** 1986; (38):110-1

Vitamin supplement to alcoholic beverages [letter] Hambidge DM. **Br J Psychiatry** 1985 Dec;147:733

Effects of a multivitamin and iron supplement on running performance in Gambian children. Powers HJ, et al. **Hum Nutr Clin Nutr** 1985 Nov;39(6):427-37

Thiamine-responsive inborn errors of metabolism. Duran M, et al. **J Inherited Metab Dis** 1985;8 Suppl 1:70-5 (24 ref.)

Thiamine non-responsive intermittent branched-chain ketoaciduria in a Laotian child. Pueschel SM. **J Inherited Metab Dis** 1986;9(1):72

Diabetes mellitus, thiamine-dependent megaloblastic anemia, and sensorineural deafness associated with deficient alpha-ketoglutarate dehydrogenase activity. Abboud MR, et al. **J Pediatr** 1985 Oct;107(4):537-41

So-called thiamin-responsive maple syrup urine disease: 15-year follow-up of the original patient. Scriver CR, et al. **J Pediatr** 1985 Nov;107(5):763-5

Chelation in metal intoxication XVIII: Combined effects of thiamine and calcium disodium versenate on lead toxicity. Flora SJ, et al. **Life Sci** 1986 Jan 6;38(1):67-71

Activities of thiamine-dependent enzymes in two experimental models of thiamine-deficiency encephalopathy: 1. The pyruvate dehydrogenase complex. Butterworth RF, et al. **Neurochem Res** 1985 Oct; 10(10):1417-28

Thiamine response in maple syrup urine disease. Fernhoff PM, et al. **Pediatr Res** 1985 Oct;19(10):1011-6

[Thiamine deficiency in chronic alcoholism. The effect of thiamine treatment on the erythrocyte transketolase activity and the thiamine pyrophosphate effect] Kristensen M, et al. **Ugeskr Laeger** 1985 Jun 24;147(26):2082-5 (Eng. Abstr.) **(Dan)**

[Lactic acidosis treated with thiamine. 3 cases] Thomas L, et al. **Presse Med** 1985 Oct 26;14(36):1871-5 (Eng. Abstr.) **(Fre)**

THIAMINE DEFICIENCY

BLOOD

Assessment of the thiamine nutritional status. An evaluation of erythrocyte transketolase activity, the stimulated erythrocyte transketolase activity, and the thiamine pyrophosphate effect. Graudal N, et al. **Int J Vitam Nutr Res** 1985;55(4):399-403

COMPLICATIONS

The myth of spontaneous idiopathic lactic acidosis [letter] Campbell CH. **Aust NZ J Med** 1985 Dec;15(6):771

Thiamine deficiency depletes cortical norepinephrine and impairs learning processes in the rat. Mair RG, et al. **Brain Res** 1985 Dec 23;360(1-2):273-84

Thiamine-deficiency cardiomyopathy [letter] Klein A. **Hosp Pract [Off]** 1986 Aug 15;21(8):21

Thiamine deficiency neuropathy, a reappraisal. Takahashi K. **Int J Neurol** 1981;15(3-4):245-53

Thiamin deficiency and prevention of the Wernicke-Korsakoff syndrome. A major public health problem. Yellowlees PM. **Med J Aust** 1986 Sep 1; 145(5):216-9

Intrauterine growth retardation caused by dietary biotin and thiamine deficiency in the rat. Levin SW, et al. **Res Exp Med (Berl)** 1985;185(5):375-81

[Carbohydrate infusion inducing lactic acidosis. Role of thiamine deficiency in an infant with malnutrition (letter)] Teyssier G, et al. **Presse Med** 1986 Jan 25;15(3):120-1 **(Fre)**

CONGENITAL

[Thiamine-dependent anemia and thrombocytopenia, insulin-dependent diabetes mellitus and sensorineural deafness--case report and review] Rosskamp R, et al. **Klin Padiatr** 1985 Jul-Aug;197(4):315-7 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Effects of a multivitamin and iron supplement on running performance in Gambian children. Powers HJ, et al. **Hum Nutr Clin Nutr** 1985 Nov;39(6):427-37

[Thiamine status in geriatric patients and the effect of intramuscular thiamine] Horwitz N, et al. **Ugeskr Laeger** 1986 Jun 16;148(25):1535-7 (Eng. Abstr.) **(Dan)**

ENZYMOLOGY

Transketolase variant enzymes and brain damage. Pratt OE, et al. **Alcohol Alcohol** 1985;20(2):223-32

Neuroanatomical consequences of thiamine deficiency: a comparative analysis. Witt ED. **Alcohol Alcohol** 1985; 20(2):201-21

Activities of thiamine-dependent enzymes in two experimental models of thiamine-deficiency encephalopathy: 1. The pyruvate dehydrogenase complex. Butterworth RF, et al. **Neurochem Res** 1985 Oct; 10(10):1417-28

[Regulation of glucose-6-phosphate dehydrogenase activity of the rat liver in vitamin B1 deficiency] Denisenko VA, et al. **Vopr Med Khim** 1986 May-Jun;32(3):23-7 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Aggravation of thiamine deficiency by magnesium depletion. A case report. Dyckner T, et al. **Acta Med Scand** 1985; 218(1):129-31

[Thiamine deficiency in chronic alcoholism. The effect of thiamine treatment on the erythrocyte transketolase activity and the thiamine pyrophosphate effect] Kristensen M, et al. **Ugeskr Laeger** 1985 Jun 24;147(26):2082-5 (Eng. Abstr.) **(Dan)**

FAMILIAL & GENETIC

Mouse phenotype modulates the behavioral effects of acute thiamine deficiency. McFarland DJ. **Physiol Behav** 1985 Oct;35(4):597-601

METABOLISM

Absorption of glyoxylate and oxalate in thiamine and pyridoxine deficient rat intestine. Sidhu H, et al. **Biochem Int** 1986 Jan;12(1):71-9

Effect of thiamin deficiency on adrenocorticotrophin and vasopressin in the rat hypothalamus. Summers JA, et al. **Horm Metab Res** 1986 Apr;18(4):280

[The regional change of thiamine and its phosphate esters levels in thiamine deficient rat brain] Yonekawa M, et al. **Rinsho Shinkeigaku** 1986 Jan;26(1):59-65 (Eng. Abstr.) **(Jpn)**

[Characteristics of carbohydrate metabolism in the rat liver in thiamine deficiency] Gorbach ZV, et al. **Biokhimiia** 1985 Aug;50(8):1261-8 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Thiamine deficiency--a neglected problem of infants and mothers--possible relationships to sudden infant death syndrome. Jeffrey HE, et al. **Aust NZ J Obstet Gynaecol** 1985 Aug;25(3):198-202

PATHOLOGY

Neuroanatomical consequences of thiamine deficiency: a comparative analysis. Witt ED. **Alcohol Alcohol** 1985; 20(2):201-21

Thiamine-deficient encephalopathy in rats: effects of deficiencies of thiamine and magnesium. Goto I, et al. **Brain Res** 1986 Apr 30;372(1):31-6

Stereological study on the rat heart in chronic alimentary thiamine deficiency--absence of myocardial changes despite starvation. Mall G, et al. **J Mol Cell Cardiol** 1986 Jun;18(6):635-43

PHYSIOPATHOLOGY

Effect of thiamine deficiency and its reversal on cerebral blood flow in the rat. Observations on the phenomena of hyperperfusion, "no reflow," and delayed hypoperfusion. Hakim AM. **J Cereb Blood Flow Metab** 1986 Feb;6(1):79-85

[Posttraumatic regeneration of the skeletal muscles in certain forms of hypovitaminosis B1] Ostrovskii AA, et al. **Vopr Pitan** 1985 Jul-Aug;(4):48-51 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Learning impairments after 6-OHDA treatment: a comparison with the effects of thiamine deficiency. Anderson CD, et al. **Behav Brain Res** 1986 Jul;21(1):21-7

Clinical and subclinical thiamine deficiency in clinical practice. Carney MW, et al. **Clin Neuropharmacol** 1985; 8(3):286-93

Muricidal suppression by histidine and its antagonism by alpha-fluoromethylhistidine in thiamine deficient rats. Onodera K, et al. **Yakubutsu Seishin Kodo** 1985 May; 5(1):11-7

VETERINARY

The effect of thiaminase-induced subclinical thiamine deficiency on growth of weaner sheep. Thomas KW. **Vet Res Commun** 1986 Mar;10(2):125-41

THIAMINE DIPHOSPHATE see **THIAMINE PYROPHOSPHATE**

THIAMINE MONOPHOSPHATE see under **THIAMINE**

THIAMINE PYROPHOSPHATASE see under **PYROPHOSPHATASES**

THIAMINE PYROPHOSPHATE

ANALOGS & DERIVATIVES

Half-of-the-site reactivity of the decarboxylating component of the pyruvate dehydrogenase complex from pigeon breast muscle with respect to 2-hydroxyethyl thiamine pyrophosphate. Khailova LS, et al. **Biochem Int** 1985 Oct; 11(4):509-16

[Characteristics of thiamine thiazolone diphosphate-induced inhibition of a pyruvate dehydrogenase complex in vitro and in intact mitochondria] Iakovleva GM, et al. **Biokhimiia** 1986 Jan;51(1):59-64 (Eng. Abstr.) **(Rus)**

ANALYSIS

Content of thiamin phosphate esters in mammalian

tissues--an extremely high concentration of thiamin triphosphate in pig skeletal muscle. Egi Y, et al. **Biochem Int** 1986 Mar;12(3):385-90

Determination of thiamin and its phosphate esters by high-performance liquid chromatography. Kawasaki T. **Methods Enzymol** 1986;122:15-20

[Level of thiamine diphosphate in the liver of tumor-bearing animals kept on a diet including an excessive amount of vitamin B 1] Trebukhina RV, et al. **Vopr Pitan** 1986 Jan-Feb;(1):63-5 (Eng. Abstr.) **(Rus)**

BLOOD

Improved high performance liquid chromatographic determination of thiamin diphosphate in erythrocytes. Baines M. **Clin Chim Acta** 1985 Nov 29;153(1):43-8

Dephosphorylation of thiamin pyrophosphate by fresh human plasma. Thom JY, et al. **Int J Vitam Nutr Res** 1985; 55(3):269-73

ISOLATION & PURIFICATION

Separation and determination of thiamin and its phosphate esters by SP-Sephadex chromatography. Cooper JR, et al. **Methods Enzymol** 1986;122:20-4

METABOLISM

Turnover of [14C]thiamin and activities of thiamin pyrophosphate-dependent enzymes in tissues of mice with Ehrlich ascites carcinoma. Trebukhina RV, et al. **Nutr Cancer** 1984;6(4):260-73

[Thiamine diphosphate absorption by the cells of Pliss lymphosarcoma and Ehrlich ascitic cancer] Petrukh AV. **Eksp Onkol** 1985;7(6):53-5 (Eng. Abstr.) **(Rus)**

[Thiamine pyrophosphate-dependent enzymes in the regenerating liver of albino rats under different regimens of oxythiamine administration] Kravchuk RI. **Vopr Med Khim** 1985 Nov-Dec;31(6):104-7 (Eng. Abstr.) **(Rus)**

[Thiamine diphosphate level and metabolism in allergic myocarditis and treatment with peloid] Leus NF. **Vopr Med Khim** 1986 Jan-Feb;32(1):119-22 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Assessment of the thiamine nutritional status. An evaluation of erythrocyte transketolase activity, the stimulated erythrocyte transketolase activity, and the thiamine pyrophosphate effect. Graudal N, et al. **Int J Vitam Nutr Res** 1985;55(4):399-403

Pyruvate dehydrogenase complex of Escherichia coli. Thiamin pyrophosphate and NADH-dependent hydrolysis of acetyl-CoA. CaJacob CA, et al. **J Biol Chem** 1985 Nov 25;260(27):14610-15

THERAPEUTIC USE

[Thiamine deficiency in chronic alcoholism. The effect of thiamine treatment on the erythrocyte transketolase activity and the thiamine pyrophosphate effect] Kristensen M, et al. **Ugeskr Laeger** 1985 Jun 24;147(26):2082-5 (Eng. Abstr.) **(Dan)**

THIAMINE PYROPHOSPHOKINASE see under **PHOSPHOTRANSFERASES, ATP**

THIAMINE TRIPHOSPHATASE see under **PHOSPHATASES**

THIAMINE TRIPHOSPHATE see under **THIAMINE**

THIAMPHENICOL

THERAPEUTIC USE

[Thrombopenia during ranitidine and thiamphenicol therapy: thiamphenicol as the responsible agent] Hummer-Sigiel M, et al. **Cah Anesthesiol** 1985 Jun-Jul;33(4):363-5 **(Fre)**

THIAMYLAL

Catecholamine infusion in vagotomized dogs during thiamylal-halothane and pentobarbital anesthesia. Bednarski RM, et al. **Cornell Vet** 1985 Oct;75(4):512-23

[Experimental study on the cardiovascular hemodynamics, cerebral blood flow and cerebral metabolic rate during thiamylal coma] Ujike Y. **Masui** 1985 Nov;34(11):1469-81 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Epinephrine-induced ventricular arrhythmias in dogs anesthetized with halothane: potentiation by thiamylal and thiopental. Bednarski RM, et al. **Am J Vet Res** 1985 Sep; 46(9):1829-31

METABOLISM

Pharmacokinetics of pentobarbital and thiamylal as combined anesthetics in sheep. Short CR, et al. **J Vet Pharmacol Ther** 1985 Sep;8(3):234-45

PHARMACODYNAMICS

Reduction of the slow inward current of isolated rat ventricular cells by thiamylal and halothane. Ikemoto Y, et al. **Acta Anaesthesiol Scand** 1985 Aug;29(6):583-6

Effect of thiamylal and diazepam on release of myoglobin and creatine phosphokinase by succinylcholine chloride during halothane anesthesia. Umino M, et al. **Bull Tokyo Med Dent Univ** 1985 Sep;32(3):91-6

Reduction in the myocardial sodium current by halothane and thiamylal. Ikemoto Y, et al. **Jpn J Physiol** 1986; 36(1):107-21

THERAPEUTIC USE

[Thiamylal coma therapy of refractory symptomatic convulsive status epilepticus] Ujike Y, et al. **Masui** 1985 Oct;34(10):1384-90 (Eng. Abstr.) **(Jpn)**

THIAZEPINES

ANALYSIS

Cytoplasmic methionyl-tRNA synthetase from Bakers' yeast. A monomer with a post-translationally modified N terminus. Fasiolo F, et al. **J Biol Chem** 1985 Dec 15; 260(29):15571-6

CHEMICAL SYNTHESIS

Synthesis and angiotensin converting enzyme inhibitory activity of 1,5-benzothiazepine and 1,5-benzoxazepine derivatives. I. Itoh K, et al. **Chem Pharm Bull (Tokyo)** 1986 Mar;34(3):1128-47

Synthesis and angiotensin converting enzyme inhibitory activity of 1,5-benzothiazepine and 1,5-benzoxazepine derivatives. II. Itoh K, et al. **Chem Pharm Bull (Tokyo)** 1986 May;34(5):2078-89

Angiotensin-converting enzyme inhibitors: new orally active 1,4-thiazepine-2,5-diones, 1,4-thiazine-2,5-diones, and 1,4-benzothiazepine-2,5-diones possessing antihypertensive activity. Skiles JW, et al. **J Med Chem** 1986 May;29(5):784-96

Angiotensin converting enzyme inhibitors: 1,5-benzothiazepine derivatives. Slade J, et al. **J Med Chem** 1985 Oct;28(10):1517-21

PHARMACODYNAMICS

Presynaptic dopaminergic modulation of cortical input to the striatum. Kornhuber J, et al. **Life Sci** 1986 Aug 25; 39(8):699-74 (46 ref.)

[Study of compounds with potential antiparasitic action. VII. Ether derivatives of perhydro-1,4-thiazepine] Kadłubowski R, et al. **Wiad Parazytol** 1985;31(2):163-8 (Eng. Abstr.) **(Pol)**

THIAZIDE DIURETICS see **DIURETICS, THIAZIDE**

THIAZINAMIUM see under **PROMETHAZINE**

THIAZINES

Human overdose with the veterinary tranquilizer xylazine. Spoerke DG, et al. **Am J Emerg Med** 1986 May;4(3):222-4

Xylazine and xylazine-ketamine in dogs. Haskins SC, et al. **Am J Vet Res** 1986 Mar;47(3):636-41

Effects of yohimbine on combined xylazine-ketamine-induced sedation and immobilization in juvenile African elephants. Jacobson ER, et al. **J Am Vet Med Assoc** 1985 Dec 1;187(11):1195-8

Yohimbine antagonism to xylazine in free-ranging mule deer and desert bighorn sheep. Jessup DA, et al. **J Am Vet Med Assoc** 1985 Dec 1;187(11):1251-3

Immobilization of free-ranging desert bighorn sheep, tule elk, and wild horses, using carfentanil and xylazine: reversal with naloxone, diprenorphine, and yohimbine. Jessup DA, et al. **J Am Vet Med Assoc** 1985 Dec 1;187(11):1253-4

An anaesthetic combination of ketamine, xylazine and alphaxalone-alphadolone in ostriches (Struthio camelus). Gandini GC, et al. **Vet Rec** 1986 Jun 28;118(26):729-30

Reversal of the effects of xylazine and xylazine/ketamine in red deer. McKelvey WA, et al. **Vet Rec** 1985 Oct 5; 117(14):362-3

[Derivatives of 1,1-dioxo-1,4,2-benzodithiazine. VII. Various possibilities of using 6-chloro-3-methylthio-7-methyl-1,1-dioxo-1,4,2-benzodithiazine for the synthesis of 2-(4-chloro-2-mercapto-5-methylbenzenesulfonamido)-imidazoline derivatives, and their pharmacological properties] Pomarnacka E, et al. **Acta Pol Pharm** 1985; 42(6):501-10 (Eng. Abstr.) **(Pol)**

ADMINISTRATION & DOSAGE

Intramuscular piroxicam, a new dosage form, in the treatment of acute musculoskeletal disorders. Wiseman RL, et al. **J Int Med Res** 1985;13(5):255-62

Immobilization of free-ranging African lions (Panthera leo) with a combination of xylazine hydrochloride and ketamine hydrochloride. Herbst LH, et al. **J Wildl Dis** 1985 Oct; 21(4):401-4

Immobilizing wild mountain lions (Felis concolor) with ketamine hydrochloride and xylazine hydrochloride. Logan KA, et al. **J Wildl Dis** 1986 Jan;22(1):97-103

[Blood levels and therapeutic effectiveness of piroxicam as affected by the time of administration] Kullich W, et al. **Arzneimittelforschung** 1985;35(9):1477-9 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Evaluation of the safety of isoxicam. Burch FX. **Am J Med** 1985 Oct 18;79(4B):28-32

Adverse effects of isoxicam in relation to age. Williams PI. **Am J Med** 1985 Oct 18;79(4B):38-40

Sudden hearing loss associated with piroxicam. Vernick DM, et al. **Am J Otol** 1986 Mar;7(2):97-8

Piroxicam and pancreatitis [letter] Haye OL. **Ann Intern Med** 1986 Jun;104(6):895

Thrombocytopenic purpura associated with piroxicam. Bjørnstad H, et al. **Br J Clin Pract** 1986 Jan;40(1):42

An interaction between lithium carbonate and piroxicam presenting as lithium toxicity. Walbridge DG, et al. **Br J Psychiatry** 1985 Aug;147:206-7

Hepatitis induced by isoxicam. Ollagnon HO, et al. **Hepatogastroenterology** 1986 Jun;33(3):109

Erythema annulare centrifugum associated with piroxicam [letter] Hogan DJ, et al. **J Am Acad Dermatol** 1985 Nov; 13(5 Pt 1):840-1

Toxic epidermal necrolysis after oxicam use [letter] Penso D, et al. **J Am Acad Dermatol** 1986 Feb;14(2 Pt 1):275-6

More comments on xylazine [letter] **J Am Vet Med Assoc** 1985 Sep 1;187(5):456-7

Reporting adverse drug reactions [letter] Roujeau JC, et al. **Lancet** 1985 Nov 30;2(8466):1244

[Lyell's syndrome and ectodermosis pluriorificialis during treatment with oxicams: 11 cases] Guillaume JC, et al. **Ann Dermatol Venereol** 1985;112(10):807-12 (Eng. Abstr.) **(Fre)**

[Acantholytic dermatosis and eosinophilic spongiosis during treatment with isoxicam (Vectren)] Pompougnac E, et al. **Ann Dermatol Venereol** 1985;112(11):907-9 **(Fre)**

[Lyell's syndrome induced by Vectren] Bourlond A, et al. **Dermatologica** 1986;172(5):280-3 (Eng. Abstr.) **(Fre)**

[Adverse effects of non-steroidal anti-inflammatory drugs. II. Adverse effects of heterocyclic enols] Janiec W, et al. **Wiad Lek** 1985 Dec 15;38(24):1745-50 (Eng. Abstr.) **(Pol)**

[Toxic epidermal necrolysis (Lyell's syndrome) caused by piroxicam, with fatal outcome from disseminated aspergillosis] Coscojuela C, et al. **Med Cutan Ibero Lat Am** 1985;13(4):291-300 (Eng. Abstr.) **(Spa)**

ANALYSIS

Xylazine in human tissue and fluids in a case of fatal drug abuse. Poklis A, et al. **J Anal Toxicol** 1985 Sep-Oct; 9(5):234-6

ANTAGONISTS & INHIBITORS

Use of yohimbine and 4-aminopyridine to antagonize xylazine-induced immobilization in North American Cervidae. Renecker LA, et al. **J Am Vet Med Assoc** 1985 Dec 1;187(11):1199-201

Yohimbine hydrochloride as an antagonist to xylazine hydrochloride-ketamine hydrochloride immobilization of white-tailed deer. Mech LD, et al. **J Wildl Dis** 1985 Oct; 21(4):405-10

Use of yohimbine hydrochloride to reverse immobilization of polar bears by ketamine hydrochloride and xylazine hydrochloride. Ramsay MA, et al. **J Wildl Dis** 1985 Oct; 21(4):396-400

Antagonism of xylazine hydrochloride with yohimbine hydrochloride and 4-aminopyridine in captive wapiti. Renecker LA, et al. **J Wildl Dis** 1986 Jan;22(1):91-6

Idazoxan: a novel xylazine antagonist [letter] Doherty T. **Vet Rec** 1985 Aug 10;117(6):135

Reversal of xylazine in red deer [letter] Mackintosh CG. **Vet Rec** 1985 Nov 9;117(19):507

BLOOD

Factors affecting the kinetics of two benzothiazine non-steroidal anti-inflammatory medicines, piroxicam and isoxicam. Edwards IR, et al. **Eur J Clin Pharmacol** 1985; 28(6):689-92

Determination of tenoxicam in human plasma by high-performance liquid chromatography. Heizmann P, et al. **J Chromatogr** 1986 Jan 10;374(1):95-102

The effect of cimetidine on serum concentrations of piroxicam. Mailhot C, et al. **Pharmacotherapy** 1986 May-Jun;6(3):112-7

Piroxicam serum levels in patients treated for rheumatic diseases. Bollet AJ. **Semin Arthritis Rheum** 1985 Feb;14(3 Suppl 1):25-8

CHEMICAL SYNTHESIS

Angiotensin-converting enzyme inhibitors: new orally active 1,4-thiazepine-2,5-diones, 1,4-thiazine-2,5-diones, and 1,4-benzothiazepine-2,5-diones possessing antihypertensive activity. Skiles JW, et al. **J Med Chem** 1986 May;29(5):784-96

METABOLISM

Pharmacokinetics of isoxicam in the elderly. Buchanan WW, et al. **Am J Med** 1985 Oct 18;79(4B):35-7

Piroxicam capsules versus suppositories: a pharmacokinetic and clinical trial. Ärnynen M, et al. **Arzneimittelforschung** 1986 Apr;36(4):744-7

The effect of administration of propranolol on the pharmacokinetics of isoxicam. Caillé G, et al.

Biopharm Drug Dispos 1986 Jan–Feb;7(1):63–9
Pharmacokinetics of isoxicam in two pharmaceutical formulations. Gras J, et al. **Boll Chim Farm** 1985 May; 124(5):190–5
A pharmacokinetic comparison of tenoxicam in plasma and synovial fluid. Bird HA, et al. **Br J Rheumatol** 1985 Nov; 24(4):351–6
Plasma and synovial fluid concentrations of isoxicam in meniscectomized patients. Ballerini R, et al. **Drugs Exp Clin Res** 1985;11(8):517–21
Effect of impairment of renal function on the accumulation and disposition of isoxicam. Bury RW, et al. **Eur J Clin Pharmacol** 1985;28(5):585–8
Pharmacokinetics of tenoxicam in patients with impaired renal function. Horber FF, et al. **Eur J Clin Pharmacol** 1986;29(6):697–701
The effects of food and of antacid on the single oral dose pharmacokinetics of tenoxicam. Francis RJ, et al. **Eur J Drug Metab Pharmacokinet** 1985 Oct–Dec; 10(4):309–14
The effect of activated charcoal on the bioavailability of piroxicam in man. Laufen H, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Jan;24(1):48–52
Acceleration of the elimination of tenoxicam by cholestyramine in the dog. Guentert TW, et al. **J Pharmacol Exp Ther** 1986 Jul;238(1):295–301

PHARMACODYNAMICS

In vitro and in vivo effects of piroxicam on rat polymorphonuclear responsiveness after induction of two acute non-specific inflammatory reactions. Huy DP, et al. **Agents Actions** 1986 Jun;18(3–4):366–71
Use of tolazoline as an antagonist to xylazine–ketamine-induced immobilization in African elephants. Allen JL. **Am J Vet Res** 1986 Apr;47(4):781–3
Cardiopulmonary effects of an intravenous infusion of guaifenesin, ketamine, and xylazine in dogs. Benson GJ, et al. **Am J Vet Res** 1985 Sep;46(9):1896–8
Effects of xylazine on the urethral pressure profile of healthy dogs. Richter KP, et al. **Am J Vet Res** 1985 Sep; 46(9):1881–6
Effects of xylazine and ketamine on the acoustic reflex and brain stem auditory-evoked response in the cat. Sims MH, et al. **Am J Vet Res** 1986 Jan;47(1):102–9
Influence of nifedipine on xylazine-induced acute pressor response in halothane-anesthetized dogs. Tranquilli WJ, et al. **Am J Vet Res** 1985 Sep;46(9):1892–5
Superoxide production by polymorphonuclear leucocytes in rheumatoid arthritis and osteoarthritis: in vivo inhibition by the antirheumatic drug piroxicam due to interference with the activation of the NADPH-oxidase. Biemond P, et al. **Ann Rheum Dis** 1986 Mar;45(3):249–55
Effect of piroxicam on the chemotaxis and random migration of polymorphonuclear leucocytes after induction of immune and non immune inflammations. Pham-Huy D, et al. **Biomed Pharmacother** 1985;39(7):381–5
Effects of tenoxicam, a new anti-inflammatory drug, on in vitro neutrophil activation. Laghi Pasini F, et al. **Boll Chim Farm** 1985 Nov;124(11):477–82
Effects of indomethacin, piroxicam and selected prostanoids on gastric acid secretion by the rat isolated gastric mucosa. Reeves JJ, et al. **Br J Pharmacol** 1985 Nov;86(3):677–84
Lithium and piroxicam [letter] Shelley RK. **Br J Psychiatry** 1986 Mar;148:343
AIDS and taurolin [letter] Bayardelle P. **Can Med Assoc J** 1986 Mar 1;134(5):476
Reduced in vivo leucocyte migration and elastase and lysozyme concentrations in skin chamber experiments with piroxicam in healthy volunteers. Scheja A, et al. **Clin Exp Rheumatol** 1986 Jan–Mar;4(1):43–7
Comparison of the effects of detomidine and xylazine on some alpha 2-adrenoceptor-mediated responses in the central and peripheral nervous systems. Virtanen R, et al. **Eur J Pharmacol** 1985 Sep 24;115(2–3):277–84
Early and late comparison of umbilical vein and PTFE grafts in control and piroxicam-treated dogs. Solis E, et al. **Int Angiol** 1986 Apr–Jun;5(2):73–8
Effects of isoxicam and other non-steroidal anti-inflammatory drugs on arachidonic acid metabolism by rat peritoneal leucocytes. Tavares IA, et al. **J Pharm Pharmacol** 1985 Aug;37(8):587–8
Discriminative stimulus properties of xylazine in rat: discriminability and effects of putative alpha-2 adrenoceptor agonists and antagonists. Colpaert FC, et al. **J Pharmacol Exp Ther** 1985 Nov;235(2):521–7
Xylazine emesis, yohimbine and motion sickness susceptibility in the cat. Lucot JB, et al. **J Pharmacol Exp Ther** 1986 May;237(2):450–5
Cardiovascular and respiratory effects of acetylpromazine and xylazine on halothane-anesthetized horses. Steffey EP, et al. **J Vet Pharmacol Ther** 1985 Sep;8(3):290–302
Xylazine hydrochloride–ketamine hydrochloride immobilization of wolves and its antagonism by tolazoline hydrochloride. Kreeger TJ, et al. **J Wildl Dis** 1986 Jul; 22(3):397–402
Immobilization of white-tailed deer with xylazine hydrochloride and ketamine hydrochloride and antagonism by tolazoline hydrochloride. Kreeger TJ, et al. **J Wildl Dis** 1986 Jul;22(3):407–12
Effect of caffeine sodium benzoate, ketamine hydrochloride, and yohimbine hydrochloride on xylazine hydrochloride-induced anorexia in white-tailed deer. Van der Eems K, et al. **J Wildl Dis** 1986 Jul;22(3):403–6
The protective value of piroxicam on the enhanced inflammatory response after whole body irradiation. el-Ghazaly M, et al. **Pharmacol Res Commun** 1986 Jun; 18(6):563–80
Effect of xylazine and ketamine on intraocular pressure in horses. Trim CM, et al. **Vet Rec** 1985 Oct 26;117(17):442–3
Effects of xylazine on renal function and plasma glucose in ponies. Trim CM, et al. **Vet Rec** 1986 Jan 18;118(3):65–7
Acesulfame K, cyclamate and saccharin inhibit the anaerobic fermentation of glucose by intestinal bacteria. Pfeffer M, et al. **Z Ernahrungswiss** 1985 Dec;24(4):231–5
On the effect of xylazine on forestomach motility in sheep. Brikas P, et al. **Zentralbl Veterinarmed [A]** 1986 Mar; 33(3):174–9
[Clinical use of yohimbine as an antagonist of xylazine depression of the central nervous system in cats] Ekr J, et al. **Vet Med (Praha)** 1986 May;31(5):307–12 (Eng. Abstr.) **(Cze)**
[Effect of radiation and radioprotectors on the properties of hematopoietic stem cells] Barakina NF, et al. **Radiobiologiia** 1985 Sep–Oct;25(5):650–5 (Eng. Abstr.) **(Rus)**

POISONING

Yohimbine for treatment of xylazine overdosing in a cat. Jensen WA. **J Am Vet Med Assoc** 1985 Sep 15;187(6):627–8
Potential antidote for Rompun (xylazine) in humans [letter] Mackintosh C. **NZ Med J** 1985 Aug 28;98(785):714–5

THERAPEUTIC USE

Piroxicam in primary dysmenorrhea. Saltveit T. **Acta Obstet Gynecol Scand** 1985;64(8):635–7
European double-blind multicenter study comparing isoxicam and indomethacin in treatment of degenerative joint disease. Jessop JD, et al. **Am J Med** 1985 Oct 18; 79(4B):24–7
Six-week, double-blind, placebo-controlled and long-term, open-label multicenter study of isoxicam in treatment of degenerative joint disease. Posner SL. **Am J Med** 1985 Oct 18;79(4B):17–23
Long-term studies of isoxicam in the treatment of rheumatoid arthritis. Reese RW. **Am J Med** 1985 Oct 18;79(4B):12–6
Six-month, double-blind comparison of isoxicam with buffered aspirin in rheumatoid arthritis. Simson J. **Am J Med** 1985 Oct 18;79(4B):7–11
Visceral analgesia: effects of xylazine, butorphanol, meperidine, and pentazocine in horses. Muir WW, et al. **Am J Vet Res** 1985 Oct;46(10):2081–4
Multicentre study of piroxicam versus naproxen in juvenile chronic arthritis, with special reference to problem areas in clinical trials of nonsteroidal anti-inflammatory drugs in childhood. Williams PL, et al. **Br J Rheumatol** 1986 Feb;25(1):67–71
Naproxen and piroxicam in the treatment of osteoarthritis. Backhouse CI. **Clin Rheumatol** 1986 Jun;5(2):273
A double-blind multicentre trial of piroxicam and naproxen in osteoarthritis. Husby G, et al. **Clin Rheumatol** 1986 Jan; 5(1):84–91
Antipyretic effect of tenoxicam and paracetamol in febrile children. Similä S, et al. **Drugs Exp Clin Res** 1985; 11(10):731–4
Nonsteroidal anti-inflammatory drugs and panic disorder [letter] Goldstein JA. **J Clin Psychiatry** 1986 May;47(5):277
A double-blind crossover evaluation of naproxen and piroxicam in osteoarthritis of hip or knee. Björkenheim JM, et al. **J Int Med Res** 1985;13(5):263–9
Prevention of septic complications associated with TPN [letter] Blenkharn JI. **JPEN J Parenter Enteral Nutr** 1986 Jul–Aug;10(4):436–7
A parallel group comparison of tenoxicam and piroxicam in patients with ankylosing spondylitis. Bird HA, et al. **Pharmatherapeutica** 1986;4(7):457–62
Comparison of naproxen and piroxicam in the treatment of rheumatoid arthritis: a double-blind, crossover study. Chlud K, et al. **Pharmatherapeutica** 1985;4(2):113–21
The analgesic efficacy of one pre- and postoperative dose of piroxicam in oral surgery. Piironen J, et al. **Proc Finn Dent Soc** 1985;81(5–6):271–4
The beneficial effects of diphosphonate and piroxicam on the osteolytic and metastatic spread of rat prostate carcinoma cells. Pollard M, et al. **Prostate** 1986;8(1):81–6
Tenoxicam in soft-tissue rheumatism. Schorn D. **S Afr Med J** 1986 Mar 1;69(5):301–3
Double-blind crossover comparison of piroxicam and naproxen in the treatment of active osteoarthritis. Hodge RH Jr. **Semin Arthritis Rheum** 1985 Feb;14(3 Suppl 1):3–6
A double-blind comparative study of piroxicam and ibuprofen in the treatment of rheumatoid arthritis. McLaughlin GE. **Semin Arthritis Rheum** 1985 Feb;14(3 Suppl 1):11–3
The efficacy of piroxicam in comparison with sulindac in the treatment of rheumatoid arthritis. Meisel AD, et al. **Semin Arthritis Rheum** 1985 Feb;14(3 Suppl 1):7–10
Long-term experience with piroxicam in osteoarthritis. Zizic TM, et al. **Semin Arthritis Rheum** 1985 Feb;14(3 Suppl 1):14–9
Pharmacotherapy of osteoarthritis with particular reference to night pain (double blind trial of pirprofen and piroxicam). Pavelka K Sr, et al. **Z Rheumatol** 1986 Mar–Apr;45(2):87–9
[Comparative study of 2 piroxicam preparations in rheumatoid polyarthritis] Lang JY, et al. **Union Med Can** 1986 Jan;115(1):41–7 (Eng. Abstr.) **(Fre)**
[The use of imidazole-2-hydroxybenzoate and piroxicam in the treatment of arthropathies of the spine and hip] Broggi S, et al. **Boll Chim Farm** 1985 Aug;124(8):86S–90S (Eng. Abstr.) **(Ita)**
[Treatment of musculoskeletal diseases with a long half-life NSAID] Guarino A, et al. **Clin Ter** 1986 Jan 15; 116(1):39–42 (Eng. Abstr.) **(Ita)**
[Piroxicam and naproxen in acute soft tissue injuries] Lereim P, et al. **Tidsskr Nor Laegeforen** 1986 May 10; 106(12):1021–3 (Eng. Abstr.) **(Nor)**

TOXICITY

Evaluation of a xylazine–ketamine hydrochloride combination in the cat. Allen DG, et al. **Can J Vet Res** 1986 Jan;50(1):23–6
Effects of xylazine administration on serum amylase, pancreas-specific isoamylase and pancreatic polypeptide in normal dogs. Jacobs RM, et al. **Can J Vet Res** 1986 Jan;50(1):123–5
Fecal blood loss during isoxicam and piroxicam administration for 28 days. Hooper JW, et al. **Clin Pharmacol Ther** 1985 Nov;38(5):533–7
Acute reversible cataract induced by xylazine and by ketamine–xylazine anesthesia in rats and mice. Calderone L, et al. **Exp Eye Res** 1986 Apr;42(4):331–7

THIAZOLES

A modified system for thiazolinone conversion to thiohydantoin derivatives and their separation by high-pressure liquid chromatography. Bhown AS, et al. **Anal Biochem** 1985 Nov 1;150(2):457–62
Use of 5-(4-dimethylaminobenzylidene)rhodanine in quantitating silver grains eluted from autoradiograms of biological material. Ludlow JW, et al. **Anal Biochem** 1986 Apr;154(1):104–9
Role of renal metabolism and excretion in 5-nitrofuran-induced uroepithelial cancer in the rat. Spry LA, et al. **J Clin Invest** 1985 Sep;76(3):1025–31
Inhibitors of blood platelet aggregation. Effects of some 1,2-benzisothiazol-3-ones on platelet responsiveness to adenosine diphosphate and collagen. Baggaley KH, et al. **J Med Chem** 1985 Nov;28(11):1661–7
Tubular basement membrane changes in 2-amino-4,5-diphenylthiazole-induced polycystic disease. Butkowski RJ, et al. **Kidney Int** 1985 Nov;28(5):744–51

ADMINISTRATION & DOSAGE

Diagnostic patch test concentration for Kathon CG. Maibach HI. **Contact Dermatitis** 1985 Oct;13(4):242–5
Famotidine: nocturnal administration for gastric ulcer healing. Results of multicenter trials in Austria and Germany. Dammann HG, et al. **Digestion** 1985;32 Suppl 1:45–50

ADVERSE EFFECTS

Dermatitis from mercaptobenzothiazole in a Foley catheter. Ancona A, et al. **Contact Dermatitis** 1985 Nov;13(5):339–40
Contact allergy to the preservative Kathon CG. Björkner B, et al. **Contact Dermatitis** 1986 Feb;14(2):85–90
Milk recorder dermatitis. Grattan CE, et al. **Contact Dermatitis** 1986 Apr;14(4):217–20
Patch test sensitivity to Kathon CG. Hjorth N, et al. **Contact Dermatitis** 1986 Mar;14(3):155–7
Contact allergy to the preservative Kathon CG [letter] Lewis PG. **Contact Dermatitis** 1986 Mar;14(3):198–200
Allergic contact dermatitis due to a biocide containing 5-chloro-2-methyl-4-isothiazolin-3-one. Pilger C, et al. **Contact Dermatitis** 1986 Apr;14(4):201–4
Contact dermatitis to Kathon CG. Tosti A, et al. **Contact Dermatitis** 1986 May;14(5):326–7

ANALYSIS

Identification of 4-(5-amino-2-furyl)thiazole (AFT) as a reductive metabolite of the carcinogen 4-(5-nitro-2-furyl)thiazole (NFT). Swaminathan S, et al. **Carcinogenesis** 1986 Apr;7(4):615–9
Isolation and characterization of a new 5-aminofurylthiazole from the catalytic reduction of 4-(5-nitro-2-furyl)thiazole. Ichikawa M, et al. **Chem Pharm Bull (Tokyo)** 1985 Dec; 33(12):5581–4
Chromatographic purification and identification of polar metabolites of benazolin-ethyl from soybean. Kelly ID, et al. **Int J Environ Anal Chem** 1986;25(1–3):135–49
Effect of N-nitrosothiazolidine-4-carboxylic acid on formation of N-nitrosothiazolidine in uncooked bacon. Pensabene JW, et al. **J Assoc Off Anal Chem** 1985 Nov–Dec;68(6):1077–80
[A trichomonacidal agents: (thenoyl-2')-2-nitro-5-thiazole. $C_8H_5O_3N_3S_2$. 1. Crystalline and molecular structure of the clinical form] Dung NH, et al. **Chem Pharm Bull (Tokyo)** 1986 Mar;34(3):951–6 (Eng. Abstr.) **(Fre)**
[Characterization by thin layer chromatography of benzothiazole derivatives and beta-sitosterol leached by disposable syringes] Airaudo CB, et al. **J Chromatogr** 1986 Feb 28;354:341–54 (Eng. Abstr.) **(Fre)**

BLOOD

Development of enzyme immunoassay for Platonin (NK 19). Yamamoto I, et al. **J Immunoassay** 1986;7(1-2):17-35

Avoidable accumulation of potentially toxic levels of benzothiazoles in babies receiving intravenous therapy. Meek JH, et al. **Lancet** 1985 Nov 16;2(8464):1090-2

CHEMICAL SYNTHESIS

Investigations in the thiazolidine series. Hamri A, et al. **Arch Pharm (Weinheim)** 1985 Aug;318(8):707-11

Isolation and characterization of a new 5-aminofurylthiazole from the catalytic reduction of 4-(5-nitro-2-furyl)thiazole. Ichikawa M, et al. **Chem Pharm Bull (Tokyo)** 1985 Dec; 33(12):5581-4

5-(Hydroxyimino)-4-methoxy-2-(pivaloylimino)= thiazolidine-3 -acetamide, a reduced nitroheterocyclic derivative with potent schistosomicidal properties. Islip PJ, et al. **Experientia** 1985 Oct 15;41(10):1353-4

[3,3'-bi-1,3-thiazolidine]-4,4'-dione system. III. Evaluation of the antimicrobial and antitumor properties of 2,2'-disubstituted derivatives and their 1,1'-disulfones. Basile M, et al. **Farmaco [Sci]** 1986 Aug;41(8):637-43

7-trans-(2-Pyridylethenyl)-5H-thiazolo[3,2-a]pyrimidine-5-ones: synthesis and pharmacological activity. Doria G, et al. **Farmaco [Sci]** 1985 Dec;40(12):885-94

Synthesis and antibacterial activity of C-3' isothiazolyl and related cephalosporins. Skotnicki JS, et al. **J Antibiot (Tokyo)** 1986 Mar;39(3):380-3

Synthesis and antibacterial activity of novel aminothiazolyl beta-lactam derivatives. Skotnicki JS, et al. **J Antibiot (Tokyo)** 1986 Mar;39(3):372-9

Synthesis and biological activity of benzothiazolo[3,2-a]quinolone antibacterial agents. Chu DT, et al. **J Med Chem** 1986 Aug;29(8):1531-4

Imidazo[2,1-b]benzothiazoles. 2. New immunosuppressive agents. Mase T, et al. **J Med Chem** 1986 Mar;29(3):386-94

Synthesis and biological evaluation of 1-(1,2-benzisothiazol-3-yl)- and (1,2-benzisoxazol-3-yl)piperazine derivatives as potential antipsychotic agents. Yevich JP, et al. **J Med Chem** 1986 Mar;29(3):359-69

Synthesis of substituted quinoline-3-carbaldehyde (2,3-dihydrothiazol-2-ylidene) hydrazones of potential antimicrobial activity. Farghally AM, et al. **J Pharm Belg** 1985 Nov-Dec;40(6):366-72

Synthesis of L-2-oxothiazolidine-4-carboxylic acid. Boetticher B, et al. **Methods Enzymol** 1985;113:458-60

Novel thiazolidinones as potent anti-inflammatory and analgesic agents. Tandon M, et al. **Pharmacology** 1985; 31(5):260-7

Syntheses and in vitro antimicrobial activities of thiazolo-[3,2-a]benzimidazol-3(2H)-ones. Rida SM, et al. **Pharmazie** 1986 May;41(5):324-6

Synthesis of some 3-(benzimidazol-2-ylmethyl)thiazolidinone derivatives as potential antimicrobial agents. Rida SM, et al. **Pharmazie** 1985 Oct;40(10):727-8

[Synthesis and pharmacologic activity of 2-arylethenylthiazol-4-acetic and 4-carboxylic acids] Bonina F, et al. **Farmaco [Sci]** 1985 Nov;40(11):875-84 (Eng. Abstr.) (Ita)

[Derivatives of 1,2-condensed pyrimidines. II. Synthesis and pharmacological study of N,N-disubstituted 5-amino-7H-thiazol [3,2-a]pyrimdine-7-ones] Di Braccio M, et al. **Farmaco [Sci]** 1986 Mar;41(3):183-95 (Eng. Abstr.) (Ita)

[Thiazolylalkylamines: synthesis of analogs of imidazolylethylamines and their effect on gastric secretion] Vitali T, et al. **Farmaco [Sci]** 1986 Jun;41(6):483-98 (Eng. Abstr.) (Ita)

DIAGNOSTIC USE

Rapid chemosensitivity testing of human lung tumor cells using the MTT assay. Cole SP. **Cancer Chemother Pharmacol** 1986;17(3):259-63

A rapid colorimetric assay of fungal viability with the tetrazolium salt MTT. Levitz SM, et al. **J Infect Dis** 1985 Nov;152(5):938-45

Voltage-sensitive dyes measure potential changes in axons and glia of the frog optic nerve. Konnerth A, et al. **Neurosci Lett** 1986 May 6;66(1):49-54

[Optical signals from the nerve fibers of fresh-water mollusks stained with the potential-sensitive dye WW375] Iagodin SV, et al. **Dokl Akad Nauk SSSR** 1986;287(6):1512-6 (Rus)

METABOLISM

The disposition and in vivo covalent binding to liver DNA of the monoazodyes 6-(p-dimethylaminophenylazo)benzothiazole (6BT) and 5-(p-dimethylaminophenylazo)indazole (5I) after administration to the rat. Dashwood RH, et al. **Carcinogenesis** 1986 Jun;7(6):1029-33

Identification of 4-(5-amino-2-furyl)thiazole (AFT) as a reductive metabolite of the carcinogen 4-(5-nitro-2-furyl)thiazole (NFT). Swaminathan S, et al. **Carcinogenesis** 1986 Apr;7(4):615-9

Clinical pharmacology of famotidine. Smith JL. **Digestion** 1985;32 Suppl 1:15-23

Nizatidine, an H2-blocker. Its metabolism and disposition in man. Knadler MP, et al. **Drug Metab Dispos** 1986 Mar-Apr;14(2):175-82

Absorption and disposition of 14C-labelled Kathon biocide, a mixture of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one, following intravenous or dermal administration to male Sprague-Dawley rats. deBethizy JD, et al. **Food Chem Toxicol** 1986 Jan;24(1):43-9

Metabolism and excretion of nitrofurothiazole bladder carcinogens. Spry L, et al. **J Pharmacol Exp Ther** 1986 Aug;238(2):457-62

PHARMACODYNAMICS

Antirhinovirus compound 44,081 R.P. inhibits virus uncoating. Alarcon B, et al. **Antimicrob Agents Chemother** 1986 Jul;30(1):31-4

Effects of a new calcium entry blocking agent, KB-944, on the membrane potential and currents of mammalian ventricular muscle cells. Iijima T, et al. **Arch Int Pharmacodyn Ther** 1985 Sep;277(1):77-82

Effects of myxothiazol and 5-undecyl-6-hydroxy-4,7-dioxobenzothiazole on the respiratory pathways of the phytopathogenic fluorescent bacteria Pseudomonas cichorii and Pseudomonas aptata. Cocchi S, et al. **Arch Microbiol** 1985 Sep;142(4):365-9

Cardiotonic activity of 2,5-dimethoxyphenylimidazo[2,1-b]thiazoles. Andreani A, et al. **Arch Pharm (Weinheim)** 1985 Nov;318(11):1003-8

Anti-inflammatory activity of a dual inhibitor of cyclooxygenase and lipoxygenase pathways, CBS-1108 (2-acetylthiophene-2-thiazolylhydrazone). Sincholle D, et al. **Arzneimittelforschung** 1985;35(8):1260-3

Pharmacological profile of tazasubrate, a new cholesterol-lowering agent. Schulze E, et al. **Atherosclerosis** 1986 Feb;59(2):137-45

Specific antagonists of platelet activating factor-mediated vasoconstriction and glycogenolysis in the perfused rat liver. Buxton DB, et al. **Biochem Pharmacol** 1986 Mar 15; 35(6):893-7

New heterocyclic modifiers of oxidative drug metabolism--I. 6-Substituted-2-aminobenzothiazoles. Murray M, et al. **Biochem Pharmacol** 1986 Jun 15;35(12):1971-9

Comparative effects of famotidine and cimetidine on trimethadione metabolism in the rat. Tanaka E, et al. **Biochem Pharmacol** 1986 Mar 1;35(5):869-71

Lack of effect of nizatidine on hepatic drug metabolism in man. Secor JW, et al. **Br J Clin Pharmacol** 1985 Dec; 20(6):710-3

The determination of receptor constants for histamine H2-agonists in the guinea-pig isolated right atrium using an irreversible H2-antagonist. Rising TJ, et al. **Br J Pharmacol** 1986 Jan;87(1):211-6

Effects of experimentally altered glutathione levels on life span, metabolic rate, superoxide dismutase, catalase and inorganic peroxides in the adult housefly, Musca domestica. Allen RG, et al. **Comp Biochem Physiol [C]** 1985; 82(2):399-402

MK-208, a novel histamine H2-receptor inhibitor with prolonged antisecretory effect. McCallum RW, et al. **Dig Dis Sci** 1985 Dec;30(12):1139-44

Famotidine, a new H2-receptor antagonist, does not affect hepatic elimination of diazepam or tubular secretion of procainamide. Klotz U, et al. **Eur J Clin Pharmacol** 1985; 28(6):671-5

Effects of a stable prostaglandin analogue, L-644,122, in healthy and hypertensive men. Ritter JM, et al. **Eur J Clin Pharmacol** 1985;28(6):685-8

Effect of famotidine on oxidative drug metabolism. Somerville KW, et al. **Eur J Clin Pharmacol** 1986; 30(3):279-81

Cimetidine versus famotidine: the effect on the pharmacokinetics of theophylline in rats. Mojaverian P, et al. **Eur J Drug Metab Pharmacokinet** 1985 Apr-Jun; 10(2):155-9

Specific inhibition of PAF-acether-induced platelet activation by BN 52021 and comparison with the PAF-acether inhibitors kadsurenone and CV 3988. Nunez D, et al. **Eur J Pharmacol** 1986 Apr 16;123(2):197-205

CV3988 inhibits in vivo platelet aggregation induced by PAF-acether and collagen. Robertson DN, et al. **Eur J Pharmacol** 1986 Apr 9;123(1):91-7

Prevention of endotoxin-induced gastrointestinal damage by CV-3988, an antagonist of platelet-activating factor. Wallace JL, et al. **Eur J Pharmacol** 1986 May 13; 124(1-2):209-10

Latrunculin inhibits the microfilament-mediated processes during fertilization, cleavage and early development in sea urchins and mice. Schatten G, et al. **Exp Cell Res** 1986 Sep;166(1):191-208

Schistosoma mansoni: nitrothiazolines and the male tegument. Watts SD. **Exp Parasitol** 1986 Oct;62(2):157-68

Effects of ciglitazone on insulin resistance and thermogenic responsiveness to acute cold in brown adipose tissue of genetically obese (ob/ob) mice. Mercer SW, et al. **FEBS Lett** 1986 Jan 20;195(1-2):12-6

Cardiac and systemic hemodynamic actions of the slow channel calcium blocking agent, KB-944. Pelc LR, et al. **Gen Pharmacol** 1985;16(6):585-90

Vascular responses of platelet-activating factor in the Cebus apella primate and inhibitory profiles of antagonists SRI 63-072 and SRI 63-119. Handley DA, et al. **Immunopharmacology** 1986 Jun;11(3):175-82

Inhibition of neutrophil superoxide production by fanetizole. Styrt B, et al. **Inflammation** 1985 Sep;9(3):233-44

Carbonic anhydrase: inhibition results in decreased urea production by hepatocytes. Dodgson SJ, et al. **J Appl Physiol** 1986 Feb;60(2):646-52

R 59 022, a diacylglycerol kinase inhibitor. Its effect on diacylglycerol and thrombin-induced C kinase activation in the intact platelet. de Chaffoy de Courcelles DC, et al. **J Biol Chem** 1985 Dec 15;260(29):15762-70

Structural analogs of alkylacetylglycerophosphocholine inhibitory behavior on platelet activation. Tokumura A, et al. **J Biol Chem** 1985 Oct 15;260(23):12710-4

Interaction of diazepam with famotidine and cimetidine, two H2-receptor antagonists. Locniskar A, et al. **J Clin Pharmacol** 1986 Apr;26(4):299-303

Inhibitors of blood platelet aggregation. Effects of some 1,2-benzisothiazol-3-ones on platelet responsiveness to adenosine diphosphate and collagen. Baggaley KH, et al. **J Med Chem** 1985 Nov;28(11):1661-7

Antitrichomonal activity of mesoionic thiazolo[3,2-a]pyridines. Walker KA, et al. **J Med Chem** 1985 Nov;28(11):1673-9

Effects of KB-944, a novel calcium antagonist, in several models of canine myocardial ischemia. Pelc LR, et al. **J Pharmacol Exp Ther** 1986 Jul;238(1):113-8

Evidence that platelet activating factor may mediate some acute inflammatory responses. Studies with the platelet-activating factor antagonist, CV3988. Issekutz AC, et al. **Lab Invest** 1986 Mar;54(3):275-81

Anti-secretory activity of the novel H2-antagonist, HUK 978, in rat, guinea-pig and dog. Coombes JD, et al. **Life Sci** 1985 Nov 4;37(18):1719-26

In vitro histamine H2-antagonist activity of the novel compound HUK 978. Coombes JD, et al. **Life Sci** 1985 Nov 4;37(18):1711-8

Possible role of platelet activating factor (PAF) in disseminated intravascular coagulation (DIC), evidenced by use of a PAF antagonist, CV-3988. Imura Y, et al. **Life Sci** 1986 Jul 14;39(2):111-7

Effect of ciglitazone on glucose uptake and insulin sensitivity in skeletal muscle of the obese (ob/ob) mouse: distinct insulin and glucocorticoid effects. Shargill NS, et al. **Metabolism** 1986 Jan;35(1):64-70

Inhibitors of the mitochondrial cytochrome b-c1 complex inhibit the cyanide-insensitive respiration of Trypanosoma brucei. Turrens JF, et al. **Mol Biochem Parasitol** 1986 Jun; 19(3):259-64

Modulation of calmodulin function and of Ca2+-induced smooth muscle contraction by the calmodulin antagonist, HT-74. Tanaka T, et al. **Mol Pharmacol** 1986 Mar; 29(3):264-9

2-Amino-6-trifluoromethoxy benzothiazole, a possible antagonist of excitatory amino acid neurotransmission--II. Biochemical properties. Benavides J, et al. **Neuropharmacology** 1985 Nov;24(11):1085-92

2-Amino-6-trifluoromethoxy benzothiazole, a possible antagonist of excitatory amino acid neurotransmission--I. Anticonvulsant properties. Mizoule J, et al. **Neuropharmacology** 1985 Aug;24(8):767-73

Antipyretic activity of new compounds 4-(3-oxo-1,2-benzisothiazolin-2-yl)phenylalkanoic acids, their esters, amides and 1,1-dioxide derivatives. Barocelli E, et al. **Pharmacol Res Commun** 1986 Feb;18(2):171-85

Mechanism of the plasma cholesterol lowering effect of tazasubrate in rats: accelerated plasma cholesterol transport with increased liver lipoprotein receptor activity. Diekmann HW, et al. **Pharmacol Res Commun** 1986 Mar; 18(3):203-16

Promotion of the Whitten effect in female mice by synthetic analogs of male urinary constituents. Jemiolo B, et al. **Proc Natl Acad Sci USA** 1986 Jun;83(12):4576-9

Effects of hormones (calcitonin, GIP) and pharmacological antagonists (ranitidine and famotidine) on isolated rat parietal cells. Schepp W, et al. **Regul Pept** 1985 Nov 28; 12(4):297-308

Smooth muscle proliferation in chronically injured canine pulmonary arteries is reduced by a potent platelet aggregation inhibitor U-53,059. Schaub RG, et al. **Thromb Haemost** 1985 Jun 24;53(3):351-5

Effects of CV-3988, an antagonist of platelet-activating factor (PAF), on washed rabbit platelets. Cox CP. **Thromb Res** 1986 Jan 15;41(2):211-22

[Experience with etozolin, a new diuretic] Vrzáňová M, et al. **Vnitr Lek** 1986 Feb;32(2):190-4 (Eng. Abstr.) (Cze)

[Proposal for a new synthetic inhibitor of Ci esterase, methyl-2 thiazoline carbamic ester-3 spirobutenolide: enzyme and electron studies] Ollier-Hartmann MP, et al. **C R Acad Sci [III]** 1986;302(10):369-74 (Eng. Abstr.) (Fre)

[Mutagenic activity of nitrothiazole compounds] Hof H. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Jun; 181(1-2):64-70 (Eng. Abstr.) (Ger)

[Effects of thiazolidine-4-carboxylic acid on germ tube formation and L-[14C(U)] proline uptake in Candida albicans] Hagihara Y, et al. **Nippon Saikingaku Zasshi** 1985 Jul;40(4):783-6 (Eng. Abstr.) (Jpn)

[Antagonists of platelet activating factor] Tokumura A, et al. **Seikagaku** 1985 Dec;57(12):1618-23 (36 ref.) (Jpn)

[Preliminary evaluation of the trichomonacidal effect of new derivatives of benzoisoxazolinone, benzoxazolinone and benzothiazolinone] Kurnatowska A, et al. **Wiad Parazytol** 1985;31(2):175-80 (Eng. Abstr.) (Pol)

[Thiamine pyrophosphate-dependent enzymes in the

regenerating liver of albino rats under different regimens of oxythiamine administration] Kravchuk RI. **Vopr Med Khim** 1985 Nov-Dec;31(6):104-7 (Eng. Abstr.) **(Rus)**

[Changes in the permeability of the blood-brain barrier to oxythiamine] Ostrovskil IuM, et al. **Vopr Med Khim** 1985 Sep-Oct;31(5):119-21 (Eng. Abstr.) **(Rus)**

[Effect of a new anti-inflammatory agent chlotazol on nucleic acid metabolism in rat liver cells] Shereshevskaia TsM, et al. **Vopr Med Khim** 1986 Jan-Feb;32(1):58-60 (Eng. Abstr.) **(Rus)**

[Diminution of the rate of growth of HeLa cells caused by thioproline (Tp) and 2-aminothiazoline HCl (2-AT). Effect of L-proline] Díaz Gil JJ, et al. **Rev Esp Oncol** 1982; 29(4):615-21 (Eng. Abstr.) **(Spa)**

POISONING

[Thioproline poisoning and generalized convulsive crisis (letter)] Aguilar Barberá M, et al. **Med Clin (Barc)** 1986 Apr 5;86(13):567 **(Spa)**

THERAPEUTIC USE

Beneficial effects of (RS)-2-methoxy-3-(octadecylcarbamoyloxy)propyl 2-(3-thiazolio)ethyl phosphate, a specific PAF antagonist, in endotoxin and anaphylactic shock. Terashita Z, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:715-7

Summary of the 30th meeting of the Food and Drug Administration Gastrointestinal Drugs Advisory Committee January 16-17, 1986. Lewis JH. **Am J Gastroenterol** 1986 Jun;81(6):495-8

Aminozolamide gel. A trial of a topical carbonic anhydrase inhibitor in ocular hypertension. Lewis RA, et al. **Arch Ophthalmol** 1986 Jun;104(6):842-4

Antitumor efficacy in rats of CGP 19984, a thiazolidinedione derivative that inhibits luteinizing hormone secretion. Ip MM, et al. **Cancer Res** 1986 Apr;46(4 Pt 1):1735-40

Determination of anti-inflammatory and antimitotic activities of non-steroid anti-inflammatory drugs ibuprofen, diclofenac sodium and fentiazac. de Menezes MR, et al. **Cell Mol Biol** 1985;31(6):455-61

Famotidine: a further development in the modern treatment of peptic ulcer disease. Proceedings of a satellite symposium of the XIIth International Congress of Gastroenterology. Lisbon, September 19, 1984. **Digestion** 1985;32 Suppl 1:1-72

Famotidine in the management of duodenal ulcer: experience in Italy. Barbara L, et al. **Digestion** 1985;32 Suppl 1:24-31

Famotidine in the treatment of gastric and duodenal ulceration: overview of clinical experience. Bianchi Porro G. **Digestion** 1985;32 Suppl 1:62-9

Famotidine: summary of preclinical safety assessment. Burek JD, et al. **Digestion** 1985;32 Suppl 1:7-14

Famotidine (MK-208) in the treatment of gastric ulcer. Results of a multicenter double-blind controlled study. Paoluzi P, et al. **Digestion** 1985;32 Suppl 1:38-44

Famotidine versus ranitidine for the short-term treatment of duodenal ulcer. Simon B, et al. **Digestion** 1985;32 Suppl 1:32-7

Ambulatory monitoring and exercise testing in the evaluation of a new long-acting calcium ion antagonist KB-944 (Fostedil) for the treatment of exertional angina pectoris. Khurmi NS, et al. **Int J Cardiol** 1985 Nov;9(3):289-302

Clinical trial with CO-1177: a preliminary report. Mbuyamba P. **Int J Clin Pharmacol Res** 1986;6(2):119-21

Treatment of duodenal ulcers with ethoxzolamide, an inhibitor of gastric mucosa carbonic anhydrase. Puscas I, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Feb; 24(2):97-9

Therapeutic activities of nitrothiazole derivatives in experimental infections with Salmonella typhimurium and Bacteroides fragilis. Hof H, et al. **J Antimicrob Chemother** 1985 Aug;16(2):205-10

Antihyperuricemic properties of amflutizole in gout. Wortmann RL, et al. **J Rheumatol** 1985 Jun;12(3):540-3

Ciglitazone, a new hypoglycemic agent. 5. Effect on renal lesions in C57BL/KsJ-db/db mice. Diani AR, et al. **Nephron** 1986;42(1):72-7

[Famotidine. Pharmacologic and clinical profile of the new histamine H2 receptor antagonist] Müller P, et al. **Fortschr Med** 1986 Apr 17;104(15):319-22 (Eng. Abstr.) **(Ger)**

[Famotidine versus placebo in prevention of the recurrence of duodenal ulcer disease. A multicenter study in Germany, Austria and Italy] Baglioni A, et al. **Z Gastroenterol** 1985 Dec;23(12):665-9 (Eng. Abstr.) **(Ger)**

[I.v. famotidine versus i.v. ranitidine: intragastric pH behavior in surgical intensive care patients] Friedl W, et al. **Z Gastroenterol** 1985 Nov;23(11):603-7 (Eng. Abstr.) **(Ger)**

[Famotidine versus ranitidine in the acute treatment of duodenal ulcer. A multicenter comparative study in Germany] Simon B, et al. **Z Gastroenterol** 1985 Feb; 23(2):47-51 (Eng. Abstr.) **(Ger)**

[Drugs active on mucus in the primary treatment of chronic bronchitis. Controlled study of the activity of letosteine] Cremonini C, et al. **Clin Ter** 1986 Jan 31;116(2):121-9 (Eng. Abstr.) **(Ita)**

[The control of bronchial secretions in chronic hypersecretory bronchopneumopathies: the role of letosteine] Morandini G, et al. **Clin Ter** 1986 Feb 15; 116(3):179-93 (Eng. Abstr.) **(Ita)**

[Antipyretic activity of a new anti-inflammatory thiazole compound 2-(4-chlorophenyl)-thiazo-4-yl ethyl acetate in rats] Pavelescu M, et al. **Rev Med Chir Soc Med Nat Iasi** 1984 Jul-Sep;88(3):551-3 (Eng. Abstr.) **(Rum)**

[Comparative evaluation of the action of oxythiamine and its derivatives on animals with Erhlich's ascitic cancer] Zimatkina TI, et al. **Eksp Onkol** 1986;8(2):68-70 (Eng. Abstr.) **(Rus)**

TOXICITY

Influence of the application mode of N-[4-(5-nitro-2-furyl)-2-thiazolyl]-formamide on the localization of its carcinogenic expression in female NMRI-mice. Berger MR, et al. **Cancer Lett** 1986 Jun; 31(3):311-8

Inhibition by aspirin of N-[4-(5-nitro-2-furyl)-2-thiazolyl]formamide initiation and sodium saccharin promotion of urinary bladder carcinogenesis in male F344 rats. Sakata T, et al. **Cancer Res** 1986 Aug;46(8):3903-6

Effect of dose on the induction of urothelial proliferation by N-[4-(5-nitro-2-furyl)-2-thiazolyl]formamide and its relationship to bladder carcinogenesis in the rat. Hasegawa R, et al. **Carcinogenesis** 1986 Apr;7(4):633-6

URINE

Increase in the levels of N-nitrosoproline, N-nitrosothioproline and N-nitroso-2-methylthioproline in human urine by cigarette smoking. Tsuda M, et al. **Cancer Lett** 1986 Feb;30(2):117-24

Relationship between lipophilic character and urinary excretion of nitroimidazoles and nitrothiazoles in rats. Cantelli-Forti G, et al. **J Med Chem** 1986 Apr;29(4):555-61

THIENAMYCINS

Review of imipenem. Park SY, et al. **Infect Control** 1986 Jun;7(6):333-7 (30 ref.)

Imipenem: the first thienamycin antibiotic. **Rev Infect Dis** 1985 Jul-Aug;7 Suppl 3:S353-536

ADMINISTRATION & DOSAGE

Combination imipenem-aminoglycoside therapy [letter] Albrecht LM, et al. **Drug Intell Clin Pharm** 1986 Jun; 20(6):506

Imipenem/cilastatin efficacy evaluated [letter] Bailie GR, et al. **Drug Intell Clin Pharm** 1985 Nov;19(11):840-1

Therapy for lower respiratory tract infections with imipenem/cilastatin: a review of worldwide experience. Acar JF. **Rev Infect Dis** 1985 Jul-Aug;7 Suppl 3:S513-7

Open trial of imipenem/cilastatin therapy for serious bacterial infections. Brooks RG, et al. **Rev Infect Dis** 1985 Jul-Aug; 7 Suppl 3:S496-505

Imipenem/cilastatin in the treatment of serious bacterial infections. Chiodini PL, et al. **Rev Infect Dis** 1985 Jul-Aug; 7 Suppl 3:S490-5

Prospective randomized comparison of imipenem/cilastatin and cefotaxime for treatment of lung, soft tissue, and renal infections. Diaz-Mitoma F, et al. **Rev Infect Dis** 1985 Jul-Aug;7 Suppl 3:S452-7

Imipenem/cilastatin vs. gentamicin/clindamycin for the treatment of moderate to severe infections in hospitalized patients. Guerra JG, et al. **Rev Infect Dis** 1985 Jul-Aug; 7 Suppl 3:S463-70

Imipenem/cilastatin in the treatment of intraabdominal infections: a review of worldwide experience. Kager L, et al. **Rev Infect Dis** 1985 Jul-Aug;7 Suppl 3:S518-21

Imipenem/cilastatin in acute pulmonary exacerbations of cystic fibrosis. Krilov LR, et al. **Rev Infect Dis** 1985 Jul-Aug;7 Suppl 3:S482-9

Imipenem/cilastatin therapy for serious bacterial infections. Nielsen DM, et al. **Rev Infect Dis** 1985 Jul-Aug;7 Suppl 3:S506-12

Imipenem/cilastatin: rationale for a fixed combination. Norrby SR. **Rev Infect Dis** 1985 Jul-Aug;7 Suppl 3:S447-51

Clinical experience with imipenem/cilastatin: analysis of a multicenter study. Shah PM. **Rev Infect Dis** 1985 Jul-Aug; 7 Suppl 3:S471-5

Comparative clinical evaluation of imipenem/cilastatin vs. cefotaxime in treatment of severe bacterial infections. Stamboulian D, et al. **Rev Infect Dis** 1985 Jul-Aug;7 Suppl 3:S458-62

Imipenem/cilastatin in the treatment of obstetric and gynecologic infections: a review of worldwide experience. Sweet RL. **Rev Infect Dis** 1985 Jul-Aug;7 Suppl 3:S522-7 (29 ref.)

Multicenter study of the clinical efficacy of imipenem/cilastatin for treatment of serious infections. Trumbore D, et al. **Rev Infect Dis** 1985 Jul-Aug;7 Suppl 3:S476-81

Efficacy and safety of imipenem/cilastatin: a review of worldwide clinical experience. Wang C, et al. **Rev Infect Dis** 1985 Jul-Aug;7 Suppl 3:S528-36 (27 ref.)

Imipenem therapy for perforated and gangrenous appendicitis. Heseltine PN, et al. **Surg Gynecol Obstet** 1986 Jan;162(1):43-8

ADVERSE EFFECTS

Effect of imipenem-cilastatin therapy on fecal flora. Welkon CJ, et al. **Antimicrob Agents Chemother** 1986 May; 29(5):741-3

Effect of imipenem/cilastatin on the colonic microflora. Nord CE, et al. **Rev Infect Dis** 1985 Jul-Aug;7 Suppl 3:S432-4

ANALYSIS

Stability of imipenem in Mueller-Hinton agar stored at 4 degrees C. Turgeon PL, et al. **Antimicrob Agents Chemother** 1985 Nov;28(5):711-2

BIOSYNTHESIS

Reverse transsulfuration and its relationship to thienamycin biosynthesis in Streptomyces cattleya. Williamson JM, et al. **Antimicrob Agents Chemother** 1985 Oct;28(4):478-84

Biosynthesis of fluorothreonine and fluoroacetic acid by the thienamycin producer, Streptomyces cattleya. Sanada M, et al. **J Antibiot (Tokyo)** 1986 Feb;39(2):259-65

BLOOD

Degradation kinetics of imipenem in normal saline and in human serum. Swanson DJ, et al. **Antimicrob Agents Chemother** 1986 May;29(5):936-7

Serum bactericidal activity and killing rate for volunteers receiving imipenem, imipenem plus amikacin, and ceftazidime plus amikacin against Pseudomonas aeruginosa. Van der Auwera P, et al. **Antimicrob Agents Chemother** 1986 Jul;30(1):122-6

Evaluation of novel antipseudomonal drugs using the serum bactericidal activity test. Braveny I, et al. **Eur J Clin Microbiol** 1986 Feb;5(1):119-23

Determination of N-formimidoylthienamycin concentration in sera from pediatric patients by high-performance liquid chromatography. Bloh AM, et al. **J Chromatogr** 1986 Mar 7;375(2):444-50

CEREBROSPINAL FLUID

Cerebrospinal fluid penetration of imipenem and cilastatin (primaxin) in children with central nervous system infections. Jacobs RF, et al. **Antimicrob Agents Chemother** 1986 Apr;29(4):670-4

Penetration of imipenem and cilastatin into cerebrospinal fluid of patients with bacterial meningitis. Modai J, et al. **J Antimicrob Chemother** 1985 Dec;16(6):751-5

CHEMICAL SYNTHESIS

Carbapenem and penem antibiotics. II. Synthesis and antibacterial activity of 2-functionalized-methyl carbapenems related to asparenomycins. Imuta M, et al. **Chem Pharm Bull (Tokyo)** 1985 Oct;33(10):4361-70

Carbapenem and penem antibiotics. III. Synthesis and antibacterial activity of 2-functionalized-methyl penems related to asparenomycins. Imuta M, et al. **Chem Pharm Bull (Tokyo)** 1985 Oct;33(10):4371-81

Carbapenem and penem antibiotics. IV. Synthesis and antibacterial activity of (5R*,6S*)-6-[(R*)-1-hydroxyethyl]-2-functionalized-methyl carbapenem and penem derivatives. Ona H, et al. **Chem Pharm Bull (Tokyo)** 1985 Oct;33(10):4382-94

Carbapenem and penem antibiotics. I. Total synthesis and antibacterial activity of dl-asparenomycins A, B and C and related carbapenem antibiotics. Ona H, et al. **Chem Pharm Bull (Tokyo)** 1985 Oct;33(10):4346-60

METABOLISM

Imipenem pharmacokinetics and body fluid concentrations in patients receiving high-dose treatment for serious infections. MacGregor RR, et al. **Antimicrob Agents Chemother** 1986 Feb;29(2):188-92

Pharmacokinetics of imipenem-cilastatin in serum and tissue. Kümmel A, et al. **Eur J Clin Microbiol** 1985 Dec; 4(6):609-10

Bile levels of imipenem following different dose regimens. Mayer M, et al. **Int J Clin Pharmacol Res** 1985;5(5):325-9

Pharmacology of imipenem. Lockley MR, et al. **J Antimicrob Chemother** 1985 Oct;16(4):531-3

Beta-lactamases with high activity against imipenem and Sch 34343 from Aeromonas hydrophila. Shannon K, et al. **J Antimicrob Chemother** 1986 Jan;17(1):45-50

Single-dose pharmacokinetics of imipenem-cilastatin in pediatric patients. Engelhard D, et al. **Pediatr Pharmacol (New York)** 1986;5(4):273-9

Pharmacokinetics of imipenem and cilastatin in volunteers. Rogers JD, et al. **Rev Infect Dis** 1985 Jul-Aug;7 Suppl 3:S435-46

Studies on the degradation of imipenem within serum and a renal kidney fraction. Köller M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 May; 261(3):330-7

PHARMACODYNAMICS

Comparative in vitro activity of imipenem against Haemophilus influenzae and Haemophilus parainfluenzae. Cerami AT, et al. **Antimicrob Agents Chemother** 1986 Jul; 30(1):179-80

Comparative in vitro activities of amoxicillin-clavulanic acid and imipenem against anaerobic bacteria isolated from community hospitals. Goldstein EJ, et al. **Antimicrob Agents Chemother** 1986 Jan;29(1):158-60

In vitro and in vivo studies of imipenem-cilastatin alone and

in combination with gentamicin against Listeria monocytogenes. Kim KS. **Antimicrob Agents Chemother** 1986 Feb;29(2):289–93

Imipenem coadministered with cilastatin compared with moxalactam: integration of serum pharmacokinetics and microbiologic activity following single-dose administration to normal volunteers. Standiford HC, et al. **Antimicrob Agents Chemother** 1986 Mar;29(3):412–7

In vitro antibacterial activity of imipenem against Pseudomonas and Staphylococcus species. Comparison with thirteen other antimicrobial agents. Cristiano P, et al. **Drugs Exp Clin Res** 1985;11(1):39–48

Methicillin- and gentamicin-resistant Staphylococcus aureus: susceptibility to fosfomycin, cefamandole, N-formimidoyl-thienamycin, clindamycin, fusidic acid and vancomycin. Graninger W, et al. **Drugs Exp Clin Res** 1985; 11(1):23–7

N-formimidoyl-thienamycin and norfloxacin against multiple-resistant Pseudomonas aeruginosa strains. Combined in vitro activity and comparison with 14 other antibiotics. Martino P, et al. **Drugs Exp Clin Res** 1985; 11(4):247–51

Outer membrane permeability of imipenem in comparison with other beta-lactam antibiotics. Hashizume T, et al. **J Antibiot (Tokyo)** 1986 Jan;39(1):153–6

In-vitro activity of imipenem against 100 strains of serotype b and nontypable Haemophilus influenzae, including strains resistant to ampicillin, chloramphenicol or both. Campos JM, et al. **J Antimicrob Chemother** 1985 Nov;16(5):549–54

The activity of imipenem on Legionella pneumophila, with a note on the treatment of two cases. Farrell ID, et al. **J Antimicrob Chemother** 1985 Jul;16(1):61–5

Gentamicin assay in the presence of imipenem [letter] McLeod KM, et al. **J Antimicrob Chemother** 1986 Jun; 17(6):828–9

Tentative interpretive criteria for in vitro antibacterial susceptibility testing with imipenem. Shungu DL, et al. **J Clin Microbiol** 1986 Mar;23(3):421–4

Imipenem susceptibility testing with a commercially prepared dry-format microdilution tray. Staneck JL. **J Clin Microbiol** 1986 Jun;23(6):1134–5

Correlation of antibiotic synergy in vitro and in vivo: use of an animal model of neutropenic gram-negative sepsis. Chadwick EG, et al. **J Infect Dis** 1986 Oct;154(4):670–5

Cross-resistance and imipenem [letter] Calandra G, et al. **Lancet** 1986 Aug 9;2(8502):340–1

Beta-lactams and imipenem [letter] Kirkpatrick B, et al. **Lancet** 1986 Apr 5;1(8484):802

In vitro activity of imipenem against anaerobic bacteria. Wexler HM, et al. **Rev Infect Dis** 1985 Jul-Aug;7 Suppl 3:S417–25 (48 ref.)

Influence of imipenem on the serum resistance of enterobacteriaceae. Wiemer CW, et al. **Rev Infect Dis** 1985 Jul-Aug;7 Suppl 3:S426–31

[Multicenter study of the in vitro effect of imipenem (N-formimidoyl-thienamycin) on hospital bacteria] Soussy CJ, et al. **Pathol Biol (Paris)** 1985 Jun;33(5 Pt 2):487–92 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Imipenem/cilastatin for the treatment of infections in hospitalized children. Alpert G, et al. **Am J Dis Child** 1985 Nov;139(11):1153–6

Imipenem therapy of experimental Staphylococcus epidermidis endocarditis. Berry AJ, et al. **Antimicrob Agents Chemother** 1986 May;29(5):748–52

Imipenem-cilastatin in the treatment of methicillin-sensitive and methicillin-resistant Staphylococcus aureus infections. Fan W, et al. **Antimicrob Agents Chemother** 1986 Jan; 29(1):26–9

Imipenem in the treatment of Legionella pneumonia [letter] Beasley CR, et al. **Aust NZ J Med** 1985 Aug;15(4):456

Imipenem/cilastatin: the first carbapenem antibiotic. Lyon JA. **Drug Intell Clin Pharm** 1985 Dec;19(12):895–9 (43 ref.)

Empirical use of imipenem as the sole antibiotic in the treatment of serious infections. Freimer EH, et al. **J Antimicrob Chemother** 1985 Oct;16(4):499–507

Imipenem/cilastatin treatment of multiresistant Pseudomonas aeruginosa lung infection in cystic fibrosis. Pedersen SS, et al. **J Antimicrob Chemother** 1985 Nov;16(5):629–35

Ureidopenicillins, aztreonam, and thienamycin: efficacy as single-drug therapy of severe infections and potential as components of combined therapy. Winston DJ, et al. **J Antimicrob Chemother** 1986 Mar;17 Suppl A:55–66 (46 ref.)

Emergence of resistance to imipenem during therapy for Pseudomonas aeruginosa infections. Quinn JP, et al. **J Infect Dis** 1986 Aug;154(2):289–94

Imipenem: the first thienamycin antibiotic. Geddes AM, et al. **Rev Infect Dis** 1985 Jul-Aug;7 Suppl 3:S353–6

Antibacterial activity of imipenem: the first thienamycin antibiotic. Kropp H, et al. **Rev Infect Dis** 1985 Jul-Aug; 7 Suppl 3:S389–410 (172 ref.)

Activity of imipenem against Pseudomonas and Bacteroides species. Williams JD. **Rev Infect Dis** 1985 Jul-Aug;7 Suppl 3:S411–6

Randomized, comparative trial of imipenem/cilastatin and moxalactam in the treatment of serious obstetric and gynecologic infections. Berkeley AS, et al. **Surg Gynecol Obstet** 1986 Mar;162(3):204–8

TOXICITY

Renal tolerance of imipenem/cilastatin and other beta-lactam antibiotics in rats. Sack K, et al. **Infection** 1985;13 Suppl 1:S156–60

[Kidney tolerance of imipenem and cilastatin] Hammer C, et al. **Fortschr Med** 1986 May 22;104(20):417–20 (Eng. Abstr.) **(Ger)**

THIEPINS

PHARMACODYNAMICS

DNA reactivity and in vitro cytotoxicity of the novel antitumor agent 1,5,2,4-dioxadithiepane-2,2,4,4-tetraoxide (NSC-348948) in human embryo cells. Gibson NW, et al. **Cancer Res** 1986 Apr;46(4 Pt 1):1679–83

THIGH

Meralgia paresthetica. Streiffer RH. **Am Fam Physician** 1986 Mar;33(3):141–4

Assessment of in vivo response to preoperative chemotherapy and radiation therapy as a predictor of survival in patients with soft-tissue sarcoma. Huth JF, et al. **Am J Clin Oncol** 1985 Dec;8(6):497–503

Liposarcoma. An ultrastructural study of 15 cases. Rossouw DJ, et al. **Am J Clin Pathol** 1986 Jun;85(6):649–67

Brief or new: the thigh feeder. Meléndez Félix CR, et al. **Am J Occup Ther** 1985 Sep;39(9):600–1

Thigh abscess. An uncommon presentation of intraabdominal sepsis. Rotstein OD, et al. **Am J Surg** 1986 Mar;151(3):414–8

Anterior thigh pain or tenderness [letter] Klotstein M, et al. **Arch Intern Med** 1986 Jun;146(6):1226

Thigh pain and bacteremia [letter] Roberts LC. **Arch Intern Med** 1985 Dec;145(12):2271

Extraskeletal Ewing's sarcoma with fatal cardiac metastasis. Flinn RM, et al. **Can Med Assoc J** 1985 Nov 15; 133(10):1017–8

Retroperitoneal perforation of the appendix presenting as subcutaneous emphysema of the thigh. Edwards JD, et al. **Dis Colon Rectum** 1986 Jul;29(7):456–8

Urethro-thigh fistula. Report of 2 cases. Moskovitz B, et al. **Eur Urol** 1986;12(2):141–2

The vastus lateralis derived flap for repair of neglected rupture of the quadriceps femoris tendon. Oni OO, et al. **Surg Gynecol Obstet** 1985 Oct;161(4):385–7

[The muscle CT of the thigh in chronic Werdnig-Hoffmann disease] Horikawa H, et al. **Rinsho Shinkeigaku** 1986 May; 26(5):490–7 (Eng. Abstr.) **(Jpn)**

[Angiogenic leiomyosarcoma—a rarely observed tumor of the thigh] Obara A. **Wiad Lek** 1986 Jan 15;39(2):115–6 (Eng. Abstr.) **(Pol)**

ANATOMY & HISTOLOGY

Computed axial tomographic scanning of the thigh: an alternative method of nutritional assessment in pediatrics. Lerner A, et al. **Pediatrics** 1986 May;77(5):732–7

BLOOD SUPPLY

Persistent sciatic artery. Report of three cases and literature review. Freeman MP, et al. **Br J Radiol** 1986 Mar; 59(699):217–23 (19 ref.)

[Medical and surgical outcome of thigh amputation for arteritis] Batt M, et al. **J Chir (Paris)** 1985 Dec; 122(12):689–92 (Eng. Abstr.) **(Fre)**

EMBRYOLOGY

Fetal thigh circumference: a critical evaluation of its relationship to menstrual age. Deter RL, et al. **JCU** 1986 Feb;14(2):105–10

Evaluation of fetal thigh circumference measurements: a comparative ultrasound and anatomical study. Warda A, et al. **JCU** 1986 Feb;14(2):99–103

INJURIES

Closure of shotgun defect of popliteal fossa using a lateral gastrocnemius muscle flap. Case report. Podlewski J, et al. **Acta Chir Plast** 1986;28(1):20–4

Penetrating injury of the thigh: a missed radiological diagnosis. Wade PJ. **Injury** 1985 Sep;16(8):568–9

Traumatic pseudoaneurysm following blunt trauma. Norris CS, et al. **J Trauma** 1986 May;26(5):480–2

Toxic shock and a gunshot wound. Kaminsky HH. **Milit Med** 1986 Jan;151(1):52–3

Repeated skin expansion to resurface a massive thigh wound. Sellers DS, et al. **Plast Reconstr Surg** 1986 Apr;77(4):654–9

[Bullet wound of the thigh and traumatic fracture of the femur] Qin ZM. **Chung Hua Fang She Hsueh Tsa Chih** 1985 Dec;19(6):339–41 (Eng. Abstr.) **(Chi)**

[A pulsating irrigation device for cleansing contaminated and infected wounds (jet lavage)] Plaumann L, et al. **Chirurg** 1985 Nov;56(11):754–5 **(Ger)**

[High-pressure spray gun injury of the thigh] Sill U. **Zentralbl Chir** 1986;111(7):406–8 **(Ger)**

[Combined injury of the left thigh, abdominal and thoracic organs with a foreign body] Tikhil AT, et al. **Klin Khir** 1986;(4):67–8 **(Rus)**

INNERVATION

Lower limb blocks for children. Lateral cutaneous and femoral nerve blocks for postoperative pain relief in paediatric practice. McNicol LR. **Anaesthesia** 1986 Jan; 41(1):27–31

Intractable meralgia paresthetica after repeated abdominal surgery. Synek VM, et al. **Electromyogr Clin Neurophysiol** 1986 Mar-Apr;26(2):103–6

Appendix sepsis tracking along the lateral cutaneous nerve of the thigh. Gatt D. **Postgrad Med J** 1985 Nov; 61(721):1015–6

PHYSIOLOGY

Relationship of pelvic and thigh motions during unilateral and bilateral hip flexion. Bohannon RW, et al. **Phys Ther** 1985 Oct;65(10):1501–4

RADIOGRAPHY

Pyomyositis: a differential diagnosis from sarcoma. Reid SE Jr, et al. **J Surg Oncol** 1985 Jul;29(3):143–6

THIMAZOL see **METHIMAZOLE**

THIMEROSAL see under **ETHYLMERCURY COMPOUNDS**

THIMETHAPHAN see **TRIMETHAPHAN**

THINKING

Dialectics in the evolution of human understanding with regard to advancing knowledge of the function of the nervous system. Opavský J. **Acta Univ Palacki Olomuc Fac Med** 1985;112:139–55

Suicidal thoughts and their relationship to family stress and personal problems among high school seniors and college undergraduates. Wright LS. **Adolescence** 1985 Fall; 20(79):575–80

Developing thinking skills through the use of simple computer programming. Palmer PP. **Am Ann Deaf** 1985 Nov;130(5):415–20

Individual differences in the experience of depressive and anxious, intrusive thoughts. Clark DA, et al. **Behav Res Ther** 1985;23(6):625–33

Dr. Lucid's word rounds: IMRAD on the wards. Morgan PP. **Can Med Assoc J** 1986 Feb 1;134(3):209–10

Defective revisualization: dissociation between cognitive and imagistic thought case report and short review of the literature. Botez MI, et al. **Cortex** 1985 Sep;21(3):375–89

A tower of babble: the sociology of body and mind. Rabkin R. **Fam Process** 1986 Mar;25(1):153–63

Reliability of Andreasen's thought, language and communications disorder scale. Davis GC, et al. **Hillside J Clin Psychiatry** 1986;8(1):25–33

Adolescent attitudes and beliefs toward aging and the elderly. Doka KJ. **Int J Aging Hum Dev** 1985–86;22(3):173–87

The assessment of analogical thinking modifiability among regular, special education, disadvantaged, and mentally retarded children. Tzuriel D, et al. **J Abnorm Child Psychol** 1985 Dec;13(4):539–52

On the relationship between primary process and thought disorder. Meloy JR. **J Am Acad Psychoanal** 1986 Jan; 14(1):47–56

Thought disorder and schizophrenia: isolating and timing a mental event. Pishkin V, et al. **J Clin Psychol** 1986 May; 42(3):417–24

Rationality in medicine: an explication. Gert B, et al. **J Med Philos** 1986 May;11(2):185–205

Defining irrational action in medical and psychiatric contexts. Martin M. **J Med Philos** 1986 May;11(2):179–84

Concept analysis as a strategy for promoting critical thinking. Kemp VH. **J Nurs Educ** 1985 Nov;24(9):382–4

Critical thinking through writing: using personification to teach pharmacodynamics. Lantz JM, et al. **J Nurs Educ** 1986 Feb;25(2):64–6

Affective-cognitive consistency and thought-induced attitude polarization. Chaiken S, et al. **J Pers Soc Psychol** 1985 Dec;49(6):1470–81

Mental preparation, mental practice and strength tasks: a need for clarification. Biddle SJ. **J Sports Sci** 1985 Spring; 3(1):67–74

On the nature of animal thinking. Terrace HS. **Neurosci Biobehav Rev** 1985 Winter;9(4):643–52

Schizophrenic thought disorders: comparison between units of symptoms and axial syndrome. Arnold OH. **Psychopathology** 1985;18(4):230–6

Differences in women's and men's thinking about parent-child interactions. McBride AB. **Res Nurs Health** 1985 Dec;8(4):389–96

[Clinical thinking in modern obstetrics. IV. The features (components) of clinical thinking] Katsulov A. **Akush Ginekol (Sofiia)** 1985;24(4):1–9 **(Bul)**

[Lateral thought, a pilot for vertical thought] Wackenheim A. **J Radiol** 1986 Jan;67(1):55–8 (Eng. Abstr.) **(Fre)**

[The nosology of schizophrenia—a clinicopsychologic model of thought disorders] Bleicher WM, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Mar; 38(3):113–6 (Eng. Abstr.) **(Ger)**

[Problems of etiology and medical thinking] Vertkin IM. **Vestn Akad Med Nauk SSSR** 1986;(5):75–9 (25 ref.) **(Rus)**

PHYSIOLOGY

Activation of epileptiform activity by mental arithmetic. Anderson NE, et al. **Arch Neurol** 1986 Jun;43(6):624–6
Physiological reflections of mental workload. Hancock PA, et al. **Aviat Space Environ Med** 1985 Nov;56(11):1110–4 (33 ref.)
Effects of raised body temperature on reasoning, memory, and mood. Holland RL, et al. **J Appl Physiol** 1985 Dec; 59(6):1823–7
[Interrelations between different ranges of bioelectrical activity of the brain] Medvedev SV, et al. **Fiziol Cheloveka** 1985 Jul–Aug;11(4):552–62 (Rus)
[Slow potentials during solution of arithmetic problems and receipt of feedback information on these problems] Shvind I, et al. **Fiziol Cheloveka** 1985 May–Jun;11(3):430–5 (Rus)
[Relation between sleep and processes of retention and mental activity] Maloletnev VI, et al. **Fiziol Zh SSSR** 1986 Jun; 72(6):705–12 (Eng. Abstr.) (Rus)
[Elementary ratiocination and morphophysiological parallels in the forebrain of birds and mammals] Krushinskil LV, et al. **Zh Obshch Biol** 1985 Sep–Oct;46(5):633–44 (71 ref.) (Eng. Abstr.) (Rus)

THINNESS

see related
EMACIATION

COMPLICATIONS

Osteoporosis of the slender smoker revisited by epidemiologic approach. Jensen GF. **Eur J Clin Invest** 1986 Jun;16(3):239–42

THIO-TEPA

ADMINISTRATION & DOSAGE

High dose thiotepa in ovarian cancer. Shetty PA, et al. **Indian J Cancer** 1985 Mar;22(1):33–7
Intravesical chemotherapy [letter] Masters JR. **Lancet** 1986 Mar 29;1(8483):740
[Ways of reducing the toxicity of chemotherapy of cancer of the ovaries] Shuvaeva NI, et al. **Sov Med** 1986;(5):24–8 (Eng. Abstr.) (Rus)

ANALOGS & DERIVATIVES

On the search for new anticancer drugs 14: the plasma pharmacokinetics and tissue distribution of spin-labeled thio-TEPA (SL-O-TT). Gutierrez PL, et al. **Cancer Chemother Pharmacol** 1985;15(3):185–91

ANALYSIS

Gas-liquid chromatographic analysis of N,N',N''-triethylene thiophosphoramide and N,N',N''-triethylene phosphoramide in biological samples. Egorin MJ, et al. **J Chromatogr** 1985 Sep 13;343(1):196–202
Gas chromatographic assay of triethylenethiophosphoramide in serum and urine. Hagen B, et al. **J Chromatogr** 1985 Nov 29;345(1):173–7

ANTAGONISTS & INHIBITORS

Use of intravesical cisplatin and mitomycin-C for recurrent transitional cell carcinoma of bladder refractory to thiotepa. Mobley WC, et al. **Urology** 1986 Apr;27(4):335–9

METABOLISM

Human plasma pharmacokinetics and urinary excretion of thiotepa and its metabolites. Cohen BE, et al. **Cancer Treat Rep** 1986 Jul;70(7):859–64
[DNA interaction with the antitumor agent thiophosphamide] Piatigorskaia GL, et al. **Mol Biol (Mosk)** 1986 Mar–Apr; 20(2):423–9 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

The influence of antineoplastic agents on experimental candidosis in mice. Ghannoum MA, et al. **Mykosen** 1985 Aug;28(8):369–74, 379–87
Toxicity of thiotepa on mouse spermatogenesis as determined by dual-parameter flow cytometry. Evenson DP, et al. **Toxicol Appl Pharmacol** 1986 Jan;82(1):151–63
[Directions of alkylation of deoxyguanosine and deoxyguanylic acid by thio-TEPA] Serebrianyl AM, et al. **Bioorg Khim** 1986 Apr;12(4):499–506 (Eng. Abstr.) (Rus)
[Mass spectrometric study of thiophosphamide interaction with nucleic acid bases] Sukhodub LF, et al. **Dokl Akad Nauk SSSR** 1985;283(3):714–6 (Rus)
[Effect of thiophosphamide on ceruloplasmin activity and the copper content of the blood of rabbits] Gotsuliak LE. **Farmakol Toksikol** 1986 Mar–Apr;49(2):26–8 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

Early stage ovarian cancer. The effect of adjuvant treatment with a single alkylating agent. Davy M, et al. **Acta Obstet Gynecol Scand** 1985;64(6):531–2
The effect of intravesical thiotepa on the recurrence rate of newly diagnosed superficial bladder cancer. An MRC Study. MRC Working Party on Urological Cancer. **Br J Urol** 1985 Dec;57(6):680–5
Local excision and topical thiotepa in the treatment of transitional cell carcinoma of the renal pelvis: a case report. De Kock ML, et al. **J Urol** 1986 Mar;135(3):566–7
Intensive intravesical chemotherapy in the treatment of flat carcinoma in situ: is it safe? Droller MJ, et al. **J Urol** 1985 Dec;134(6):1115–7
A trial of prophylactic thiotepa or mitomycin C intravesical therapy in patients with recurrent or multiple superficial bladder cancers. Flanigan RC, et al. **J Urol** 1986 Jul; 136(1):35–7
Chemotherapy for bladder cancer [editorial] Whitmore WF Jr. **J Urol** 1985 Dec;134(6):1181–2
Intravesical thiotepa and mitomycin C treatment immediately after transurethral resection and later for superficial (stages Ta and Tis) bladder cancer: a prospective, randomized, stratified study with crossover design. Zincke H, et al. **J Urol** 1985 Dec;134(6):1110–4
First-line chemotherapy of superficial bladder cancer: mitomycin vs thiotepa. Heney NM. **Urology** 1985 Oct;26(4 Suppl):27–9
Review of Mayo Clinic experience with carcinoma in situ [letter] Zincke H, et al. **Urology** 1986 Mar;27(3):288
[Superficial bladder tumors. Preliminary results of a prospective study comparing endovesical BCG, adriamycin and thio-tepa] Martínez-Piñeiro JA, et al. **Arch Esp Urol** 1985 Nov–Dec;38(6):545–53 (Eng. Abstr.) (Spa)

TOXICITY

Megakaryocyte DNA content and platelet formation in rats after a sublethal dose of thio-TEPA. Tanum G. **Exp Hematol** 1986 Mar;14(3):202–6
Studies of the morphological effects of thiotepa and adriamycin on urothelium. Huang CH. **Fukushima J Med Sci** 1984;30(2):87–96

THIOACETAMIDE see under **ACETAMIDES**

THIOACETAZON see **THIACETAZONE**

THIOAMIDES see under **AMIDES**

THIOBACILLUS

ANALYSIS

Isolation and characterization of a blue copper protein from Thiobacillus versutus. van Houwelingen T, et al. **Eur J Biochem** 1985 Nov 15;153(1):75–80

ENZYMOLOGY

Purification, crystallization and preliminary X-ray investigation of quinoprotein methylamine dehydrogenase from Thiobacillus versutus. Vellieux FM, et al. **Eur J Biochem** 1986 Jan 15;154(2):383–6

GENETICS

Cloning and expression of the Thiobacillus ferrooxidans glutamine synthetase gene in Escherichia coli. Barros ME, et al. **J Bacteriol** 1985 Dec;164(3):1386–9
Tn5-induced mutations affecting sulfur-oxidizing ability (Sox) of Thiosphaera pantotropha. Chandra TS, et al. **J Bacteriol** 1986 May;166(2):446–52

METABOLISM

Oxidation of thiosulphate and sulphite by Thiobacillus neapolitanus. Sklodowska A. **Acta Microbiol Pol** 1985; 34(3–4):271–6
Preservation of Thiobacillus ferrooxidans and Thiobacillus thiooxidans with activity check. Gupta SG, et al. **Antonie Van Leeuwenhoek** 1986;52(2):121–7
Sulfate-dependent iron oxidation by Thiobacillus ferrooxidans: characterization of a new EPR detectable electron transport component on the reducing side of rusticyanin. Fry IV, et al. **Arch Biochem Biophys** 1986 May 1;246(2):650–4
Discrimination between 34S and 32S during bacterial metabolism of inorganic sulfur compounds. Fry B, et al. **J Bacteriol** 1986 Jan;165(1):328–30

THIOBACILLUS THIOOXIDANS see under **THIOBACILLUS**

THIOBACTERIACEAE see under **GRAM-NEGATIVE CHEMOLITHOTROPHIC BACTERIA**

THIOBARBITURATES

Development and application of organic reagents for analysis. V. High-performance liquid chromatographic determination of lipoperoxides in biological fluids with 1,3-diphenyl-2-thiobarbituric acid. Nakashima K, et al. **Chem Pharm Bull (Tokyo)** 1985 Dec;33(12):5380–4
Regional distributions of thiobarbituric acid-reactive products, activities of enzymes regulating the metabolism of oxygen free radicals, and some of the related enzymes in adult and aged rat brains. Mizuno Y, et al. **J Neurochem** 1986 May;46(5):1344–52

ADVERSE EFFECTS

Hypertension in bulls and steers anesthetized with guaifenesin-thiobarbiturate-halothane combination. Semrad SD, et al. **Am J Vet Res** 1986 Jul;47(7):1577–82

ANALYSIS

[Effect of mechanical deboning process on the fat stability of 3 tropical fish species stored at -10 degrees C] Gil W, et al. **Arch Latinoam Nutr** 1985 Jun;35(2):337–46 (Eng. Abstr.) (Spa)

DIAGNOSTIC USE

[Methodological aspects of the determination of thiobarbituric acid-reactive substances in plasma] Schimke I, et al. **Z Med Lab Diagn** 1986;27(2):71–5 (Eng. Abstr.) (Ger)

THIOCARBAMATES

A comparative study of 'Op-site' and 'Nobecutan gauze' dressings for central venous line care. Andersen PT, et al. **J Hosp Infect** 1986 Mar;7(2):161–8
Dithiocarbamates in heavy metal poisoning: complexes of N,N-di(2-hidroxyethyl)dithiocarbamate with Zn(II), Cd(II), Hg(II), CH3Hg(II), and C6H5Hg(II). Pages A, et al. **J Inorg Biochem** 1985 Sep;25(1):35–42
Parasite-specific interaction of N-[4-(4'nitroanilino)-phenyl]-S-(beta-carboxyethyl)-dithiocar bamic acid-ester with arginyl-tRNA-synthetase from Dirofilaria immitis. Walter RD, et al. **Trop Med Parasitol** 1985 Dec;36(4):230–2

ADMINISTRATION & DOSAGE

Comparative effects of parenteral and oral administration of selected dithiocarbamates on body burdens and organ distribution of cadmium in mice. Gale GR, et al. **Res Commun Chem Pathol Pharmacol** 1986 Jul;53(1):129–32

ADVERSE EFFECTS

Tibial dyschondroplasia in single-comb White Leghorn chicks fed tetramethylthiuram disulfide (a fungicide). Veltmann JR Jr, et al. **Avian Dis** 1985 Oct–Dec; 29(4):1269–72
Pellagroid dermatitis from mancozeb with vitiligo. Lisi P, et al. **Contact Dermatitis** 1985 Aug;13(2):124–5
[Catecholamine metabolism in persons exposed to dithiocarbamates] Kaskevich LM. **Gig Tr Prof Zabol** 1985 Oct;(10):50–1 (Rus)
[Effect of polycarbacin on the skin and mucous membranes] Tkach VE. **Vestn Dermatol Venerol** 1985 Oct;(10):58–61 (Eng. Abstr.) (Rus)

ANALYSIS

Loss of the herbicide triallate from a clay soil containing aged and freshly applied residues. Smith AE, et al. **Bull Environ Contam Toxicol** 1985 Dec;35(6):723–8
High-performance liquid chromatographic determination of dimethyldithiocarbamate residues in some agricultural products. Brandšteterová E, et al. **J Chromatogr** 1986 Feb 28;354:375–81
Rapid and sensitive on-line precolumn purification and high-performance liquid chromatographic assay for disulfiram and its metabolites. Johansson B. **J Chromatogr** 1986 Jun 13;378(2):419–29
Thiol-induced hydroxyl radical formation and scavenger effect of thiocarbamides on hydroxyl radicals. Motohashi N, et al. **J Inorg Biochem** 1986 Mar;26(3):205–12
[Determination of the vulcanization accelerator thiuram D and its conversion products in sanitary chemical research on rubbers] Grushevskaia NIu. **Gig Sanit** 1986 Apr;(4):66–7 (Rus)

METABOLISM

Metabolism of a dithiocarbamate fungicide thiram to carbon disulfide in the rat and its hepatotoxic implications. Dalvi RR, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Jan; 58(1):38–42
Accelerated tetramethylthiuram disulfide (TMTD) degradation in soil by inoculation with TMTD-utilizing bacteria. Shirkot CK, et al. **Bull Environ Contam Toxicol** 1985 Sep;35(3):354–61
Use of diethyldithiocarbamate as a probe to detect stable intermediates during the decomposition of several mutagenic and nonmutagenic N-nitroso compounds. Wiessler M, et al. **J Cancer Res Clin Oncol** 1986; 111(2):115–22
[Study on the pharmacokinetics of phenithionate after a single oral dose in rats by the quantitative TLC scanning technic] Luo G, et al. **Yao Hsueh Hsueh Pao** 1986 Feb;21(2):92–7 (Eng. Abstr.) (Chi)

PHARMACODYNAMICS

Distribution of 64Cu in foetal and adult tissues in mice: influence of sodium diethyldithiocarbamate treatment. Jasim S, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Oct; 57(4):262–70
Spermatogenesis of rat: effect of central norepinephrine synthesis inhibition by diethyldithiocarbamate. Mazumder R, et al. **Andrologia** 1985 Jul–Aug;17(4):400–5

Ergosterol biosynthesis inhibition by the thiocarbamate antifungal agents tolnaftate and tolciclate. Ryder NS, et al. **Antimicrob Agents Chemother** 1986 May;29(5):858–60
Pesticide–drug interaction in rats. Fenyvesi G, et al. **Arch Toxicol [Suppl]** 1985;8:269–71
Effect of dithiocarbamate fungicides and thiurams on 3H–haloperidol binding in rat brain. Komulainen H, et al. **Arch Toxicol [Suppl]** 1985;8:77–9
The effect of maneb, zineb, and ethylenethiourea on the humoral activity of the pituitary–thyroid axis in rat. Laisi A, et al. **Arch Toxicol [Suppl]** 1985;8:253–8
Dithiocarbamate fungicides decrease histochemical reactivity of cholinesterases in the gut wall of the rat. Savolainen K, et al. **Arch Toxicol [Suppl]** 1985;8:272–6
Influence of disulfiram, diethyldithiocarbamate and carbon disulfide on the metabolic formation of trifluoroacetic acid from halothane in the rat. Eckes L, et al. **Arzneimittelforschung** 1985;35(9):1447–51
Myocardial H2O2 production in the unanaesthetized rat. Influence of fasting, myocardial load and inhibition of superoxide dismutase and monoamine oxidase. Kerckaert I, et al. **Basic Res Cardiol** 1986 Jan–Feb;81(1):83–91
Diethyldithiocarbamate increases distribution of cadmium to brain but prevents cadmium–induced neurotoxicity. O'Callaghan JP, et al. **Brain Res** 1986 Apr 9;370(2):354–8
Effect of diethyldithiocarbamate on cis–diamminedichloroplatinum(II)–induced cytotoxicity, DNA cross–linking, and gamma–glutamyl transpeptidase inhibition. Bodenner DL, et al. **Cancer Res** 1986 Jun; 46(6):2745–50
Selective protection against cis–diamminedichloroplatinum(II)–induced toxicity in kidney, gut, and bone marrow by diethyldithiocarbamate. Bodenner DL, et al. **Cancer Res** 1986 Jun;46(6):2751–5
Evaluation of the mechanisms involved in sodium diethyl dithiocarbamate–induced immunomodulation using the hydrophilic analog, sodium N–methyl–D–glucamine dithiocarbamate. Neveu PJ, et al. **Int Arch Allergy Appl Immunol** 1986;80(2):164–7
Influences of sodium diethyldithiocarbamate, DTC (imuthiolR) on T cell defective responses of aged BALB/c mice. Bruley–Rosset M, et al. **Int J Immunopharmacol** 1986; 8(3):287–97
The generation and regulation of human T lymphocytes by Imuthiol. Evidence from an in vitro differentiation induction system. Pompidou A, et al. **Int J Immunopharmacol** 1985;7(4):561–6
Sodium diethyldithiocarbamate influences the early immunological changes evoked by an acute non–antigenic inflammation process. Renoux G, et al. **Int J Tissue React** 1985;7(6):431–8
Inhibition of erythrocyte superoxide dismutase by diethyldithiocarbamate also results in oxyhemoglobin–catalyzed glutathione depletion and methemoglobin production. Kelner MJ, et al. **J Biol Chem** 1986 Feb 5;261(4):1636–41
Inhibition of peptide amidation by disulfiram and diethyldithiocarbamate. Mains RE, et al. **J Biol Chem** 1986 Sep 15;261(26):11938–41
Reaction of human ceruloplasmin and anion treated ceruloplasmin with diethyldithiocarbamate. Herve M, et al. **J Inorg Biochem** 1985 Oct;25(2):121–30
Suppression of phenacetin–induced methemoglobinemia by diethyldithiocarbamate and carbon disulfide and its relation to phenacetin metabolism in mice. Nakayama N, et al. **J Pharmacobiodyn** 1985 Oct;8(10):868–76
Effects of diethyldithiocarbamate, a metabolite of disulfiram, on the pharmacokinetics of alcohol and acetaldehyde in the rat. Nishigaki R, et al. **J Pharmacobiodyn** 1985 Oct; 8(10):847–52
Diethyldithiocarbamate provides partial protection against pulmonary and lymphoid oxygen toxicity. Mansour H, et al. **J Pharmacol Exp Ther** 1986 Feb;236(2):476–80
Effects of dithiocarbamates on cadmium distribution and excretion in chronically exposed rats. Cikrt M, et al. **J Toxicol Environ Health** 1986;17(4):419–27
Structural effects in the dithiocarbamate–enhanced biliary excretion of cadmium. Cikrt M, et al. **J Toxicol Environ Health** 1986;17(4):429–39
Effects of monoalkyl dithiocarabamates on mobilization of cadmium in the mouse. Jones MM, et al. **J Toxicol Environ Health** 1986;17(1):81–9
The effects of diethyldithiocarbamate on the hepatotoxic action and antitumor activity of N–methylformamide in mice. Masuda Y, et al. **Jpn J Pharmacol** 1986 Apr; 40(4):541–50
In–vitro inhibition of LAV/HTLV–III infected lymphocytes by dithiocarb and inosine pranobex [letter] Pompidou A, et al. **Lancet** 1985 Dec 21–28;2(8469–70):1423
Diethyldithiocarbamate, but not disulfiram, inhibits alloxan–induced dye accumulation of isolated mouse islet beta–cells. Norlund L, et al. **Med Biol** 1986;64(1):37–41
Characterization of immunotherapeutic agents: the example of imuthiol. Renoux G. **Methods Find Exp Clin Pharmacol** 1986 Jan;8(1):45–50
Influence of dietary tetramethylthiuram disulfide (a fungicide) on growth and incidence of tibial dyschondroplasia in single comb White Leghorn chicks. Veltmann JR Jr, et al. **Poult Sci** 1986 Jun;65(6):1205–7
The diethyldithiocarbamate concentration effects and interactions with other cytotoxic agents on Chinese Hamster cells (V79). Lin PS, et al. **Radiat Res** 1985 Jun; 102(3):271–82
Effects of diethyldithiocarbamate and selected analogs on lead metabolism in mice. Gale GR, et al. **Res Commun Chem Pathol Pharmacol** 1986 Apr;52(1):29–44
Effects of diethyldithiocarbamate and N–methyl–N–dithiocarboxyglucamine on murine hepatic cadmium–metallothionein in vitro. Gale GR, et al. **Res Commun Chem Pathol Pharmacol** 1985 Sep; 49(3):423–34
Comparative antidotal effects of diethyldithiocarbamate, dimercaptosuccinate, and diethylenetriaminepentaacetate against cadmium–induced testicular toxicity in mice. Walker EM Jr, et al. **Res Commun Chem Pathol Pharmacol** 1986 Feb; 51(2):231–44
Studies on the mechanism of nabam– and zineb–induced inhibition of the hepatic microsomal monooxygenases of the male rat. Borin C, et al. **Toxicol Appl Pharmacol** 1985 Dec;81(3 Pt 1):460–8
Mobilization of nickel by potassium ethylxanthate in mice: comparison with sodium diethyldithiocarbamate and effect of intravenous versus oral administration. Jasim S, et al. **Toxicol Lett** 1986 Jun;31(3):249–55
[Inhibiton of the mitotic activity of thymocytes in mice in vitro by diethyldithiocarbamate] Hennighausen G, et al. **Pharmazie** 1985 Jul;40(7):500–1 **(Ger)**

POISONING

[Evaluation of the early manifestations of the toxic action of dithiocarbamate pesticides based on changes in the serum enzymogram of workers] Onikienko FA. **Vrach Delo** 1985 Aug;(8):116–8 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Early changes in immune parameters induced by an acute nonantigenic inflammation in mouse: influence of imuthiol. Renoux M, et al. **Int J Immunopharmacol** 1986;8(1):107–17
Nobecutane spray as a temporary dressing of skin graft donor sites. Brodovsky S, et al. **J Dermatol Surg Oncol** 1986 Apr; 12(4):386–8
Sodium diethyldithiocarbamate inducing long–lasting remission in case of juvenile systemic lupus erythematosus [letter] Delepine N, et al. **Lancet** 1985 Nov 30;2(8466):1246
Immunomodulation with diethyldithiocarbamate in patients with AIDS–related complex [letter] Lang JM, et al. **Lancet** 1985 Nov 9;2(8463):1066
Clinical characterization of imuthiol. Lemarie E, et al. **Methods Find Exp Clin Pharmacol** 1986 Jan;8(1):51–4

TOXICITY

The cytotoxic action of diethyldithiocarbamate in vitro. Different inhibition of scheduled and unscheduled DNA synthesis of rat thymic and splenic cells. Tempel K, et al. **Arzneimittelforschung** 1985;35(7):1052–4
Inhibition of hepatic epoxide hydrolase and glutathione S–transferase in rats by bis(dimethyldithiocarbamato) zinc (ziram). Schreiner E, et al. **Bull Environ Contam Toxicol** 1986 Jul;37(1):53–4
1–Methyl–4–phenyl–1,2,3,6–tetrahydropyridine (MPTP) neurotoxicity in mice is enhanced by pretreatment with diethyldithiocarbamate. Corsini GU, et al. **Eur J Pharmacol** 1985 Dec 10;119(1–2):127–8
Effect of the radiosensitizer misonidazole and the radioprotector diethyldithiocarbamate on spontaneous metastasis formation of murine tumors. Milas L, et al. **Int J Radiat Oncol Biol Phys** 1986 Jul;12(7):1071–4
[Toxicity of organic sulfur fungicide–urbacid and its residues in food] Xu EY. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1985 May; 19(3):150–3 (Eng. Abstr.) **(Chi)**
[Structural–metabolic and functional–behavioral indices of the postnatal toxicity of tetramethylthiuram disulfide in an experiment] Badaeva LN, et al. **Gig Sanit** 1986 Jun;(6):23–6 (Eng. Abstr.) **(Rus)**

THIOCHOLINE see under **CHOLINE**

THIOCTIC ACID see **LIPOIC ACID**

THIOCYANATES

Analysis by reverse–phase high–pressure liquid chromatography of phenylisothiocyanate–derivatized 1–aminocyclopropane–1–carboxylic acid in apple extracts. Lanneluc–Sanson D, et al. **Anal Biochem** 1986 Jun; 155(2):322–7
Analysis of insulin receptors on heterogeneous eukaryotic cell populations with fluorochrome–conjugated insulin and fluorescence–activated cell sorter. Advantages and limitations to the 125I–labelled insulin methodology. Due C, et al. **Diabetologia** 1985 Oct;28(10):749–55
Internal chain cleavage and product heterogeneity during Edman degradation of isosteric peptide analogs lacking the alpha–carbonyl function. Hempel J, et al. **FEBS Lett** 1986 Jun 6;194(2):333–7
Circular dichroism study of NaSCN effect on conformation of poly–L–lysine. Watanabe S, et al. **Int J Pept Protein Res** 1985 Oct;26(4):439–47
Prolonged monitoring of the blood–aqueous barrier with fluorescein–labeled albumin. Mitchell PG, et al. **Invest Ophthalmol Vis Sci** 1986 Mar;27(3):415–8
Preparation and properties of antibodies doubly labeled with tritium and fluorescein. Léveillé MC, et al. **J Immunol Methods** 1986 May 22;89(2):175–80
PITC derivatives in amino acid analysis. Cohen SA, et al. **Nature** 1986 Apr 24–30;320(6064):769–70
Synthesis and efficient isolation procedure for gamma–linked fluorescein methotrexate. Whiteley JM, et al. **Prep Biochem** 1986;16(2):143–54
[Inhibition of fading in FITC–labelled coverslip preparations] Senkpiel K, et al. **Acta Histochem (Jena)** 1985;77(2):159–64 (Eng. Abstr.) **(Ger)**

ANALYSIS

Sensitive analysis of asparagine and glutamine in physiological fluids and cells by precolumn derivatization with phenylisothiocyanate and reversed–phase high–performance liquid chromatography. Lavi LE, et al. **J Chromatogr** 1986 Apr 25;377:155–63
A new standard fluorescence microsphere for quantitative flow cytometry. Oonishi T, et al. **J Immunol Methods** 1985 Nov 28;84(1–2):143–54
Use of the DNA–repair host–mediated assay for determining the organ distribution of genotoxic factors in mice treated orally with nitro–aromatic compounds. Knasmüller S, et al. **Mutat Res** 1986 Feb;164(1):9–17
Verification of smoking status by thiocyanate in unrefrigerated, mailed saliva samples. Sexton M, et al. **Prev Med** 1986 Jan;15(1):28–34
Reaction of fluorescein isothiocyanate with thiol and amino groups of sarcoplasmic ATPase. Swoboda G, et al. **Z Naturforsch [C]** 1985 Nov–Dec;40(11–12):863–75
[Spectrophotometric determination of thiocyanide ions in the serum and urine] Aleksiev AA, et al. **Gig Sanit** 1986 Jun; (6):68–9 **(Rus)**

BLOOD

Labelling of erythrocyte spectrin in situ with phenylisothiocyanate. Sikorski AF, et al. **Biochim Biophys Acta** 1985 Oct 24;820(1):147–53
Potential metabolic significance of blood thiocyanate. van Middlesworth L. **Endocrinol Exp (Bratisl)** 1986 Mar; 20(1):17–22
Smoke exposure in pipe and cigar smokers. Serum thiocyanate measures. Pechacek TF, et al. **JAMA** 1985 Dec 20;254(23):3330–2
Serum thiocyanate and smoking: interpretation of serum thiocyanate levels observed in a large health study. Foss OP, et al. **Scand J Clin Lab Invest** 1986 May;46(3):245–51
[Verification of smoking habits in group studies by anamnesis or determination of serum thiocyanate level?] Maintz G, et al. **Z Erkr Atmungsorgane** 1986;166(2):200–5 (Eng. Abstr.) **(Ger)**

CHEMICAL SYNTHESIS

Antimycotic agents: evaluation of some derivatives of 2–thiocyanobenzoic acid. Pavanetto F, et al. **Farmaco [Sci]** 1985 Aug;40(8):576–80
A new sensitive Edman–type reagent: 4–(N–1–dimethylaminonaphthalene–5–sulfonylamino)–phenyl isothiocyanate. Its synthesis and application for micro–sequencing of polypeptides. Jin SW, et al. **FEBS Lett** 1986 Mar 17;198(1):150–4

DIAGNOSTIC USE

Double staining technique using a combination of indirect and direct immunofluorescence with monoclonal antibodies. Kupper H, et al. **Acta Histochem (Jena)** 1986; 78(2):185–8
Binding of fluorescein isothiocyanate conjugated lectins to MXT mouse mammary neoplasm and their relation to steroid receptor status. Kiss R, et al. **Anticancer Res** 1986 Mar–Apr;6(2):209–13
"Thiocyanate gold": small (2–3 nm) colloidal gold for affinity cytochemical labeling in electron microscopy. Baschong W, et al. **Histochemistry** 1985;83(5):409–11

IMMUNOLOGY

Identification of recurrent idiotypes within the unrestricted anti–fluorescein immune response. Reinitz DM, et al. **J Immunol** 1985 Nov;135(5):3365–71
The immune response to a schistosomacide, amoscanate. I. Serum antibody responses. Barton BE, et al. **J Immunopharmacol** 1985;7(3):343–71
The immune response to a schistosomacide, amoscanate. II. Cell–mediated immune responses. Barton BE, et al. **J Immunopharmacol** 1985;7(3):373–83
Comparative properties of monoclonal antibodies comprising a high–affinity anti–fluorescyl idiotype family. Bates RM, et al. **Mol Immunol** 1985 Aug;22(8):871–7

METABOLISM

The saliva thiocyanate analysis: a methodological extension and its relationship to CO and self–report in moderate smokers. Abueg FR, et al. **Addict Behav** 1986;11(1):55–8
Is thiocyanate peroxidation at equilibrium in vivo? Pruitt KM, et al. **Biochim Biophys Acta** 1986 Apr 22;870(3):385–91
Products of thiocyanate peroxidation: properties and reaction mechanisms. Tenovuo J, et al. **Biochim Biophys Acta** 1986 Apr 22;870(3):377–84
Further characterization of

3'-isothiocyanatobenzanilido[3H]cholate binding to hepatocytes. Correlation with bile acid transport inhibition and protection by substrates and inhibitors. Ziegler K. **Biochim Biophys Acta** 1985 Sep 25;819(1):37–44

Age-related changes in the metabolism and excretion of allyl isothiocyanate. A model compound for glutathione conjugation. Borghoff SJ, et al. **Drug Metab Dispos** 1986 Jul–Aug;14(4):417–22

Drug targeting to the liver with lactosylated albumins: does the glycoprotein target the drug or is the drug targeting the glycoprotein? van der Sluijs P, et al. **Hepatology** 1986 Jul–Aug;6(4):723–8

Conformational transitions in fluorescein-labeled (Na,K)ATPase reconstituted into phospholipid vesicles. Rephaeli A, et al. **J Biol Chem** 1986 May 15; 261(14):6248–54

Oxidation of chloride and thiocyanate by isolated leukocytes. Thomas EL, et al. **J Biol Chem** 1986 Jul 25; 261(21):9694–702

Transfer of thiocyanate into chicken eggs. Carew SN, et al. **J Toxicol Environ Health** 1986;17(4):441–4

PHARMACODYNAMICS

Mechanism of inhibition of gastric acid secretion by SCN–: interrelation of SCN– flux and inhibition. Reenstra WW, et al. **Am J Physiol** 1986 Jan;250(1 Pt 1):G76–84

Sites of resistance changes with inhibition of acid secretion in frog stomach. Rehm WS, et al. **Am J Physiol** 1986 May; 250(5 Pt 1):G639–47

Mechanism of gastric antisecretory effect of thiocyanate: further evidence for the thiocyanate–induced impediment in gastric H+,K+–ATPase function. Nandi J, et al. **Arch Biochem Biophys** 1986 Feb 1;244(2):701–12

The role of H2O2 and the lactoperoxidase–SCN(–)–H2O2 system on the interaction between two bacteria originating from human dental plaque, Streptococcus rattus (mutans) BHT and Streptococcus mitior LPA–1, grown on human teeth in an artificial mouth. Donoghue HD, et al. **Arch Oral Biol** 1985;30(7):519–23

Aggregation studies on fluorescein–coupled cobra venom phospholipase A2. Hazlett TL, et al. **Biochemistry** 1985 Oct 22;24(22):6152–8

A kinetic study of the irreversible inhibition of an enzyme measured in the presence of coupled enzymes. Fluorescein isothiocyanate as inhibitor of the adenosinetriphosphatase activity from sarcoplasmic reticulum. Teruel JA, et al. **Biochim Biophys Acta** 1986 Jan 17;869(1):8–15

Identification of an essential lysine residue in the phosphatidylcholine–transfer protein from bovine liver by modification with phenylisothiocyanate. van Loon D, et al. **Eur J Biochem** 1986 Jun 2;157(2):347–50

Scanning electron microscopic study of Opisthorchis viverrini tegument and its alterations induced by amoscanate. Sobhon P, et al. **Int J Parasitol** 1986 Feb; 16(1):19–26

Effect of the lactoperoxidase system on lipoprotein lipase activity and lipolysis in milk. Ahrné L, et al. **J Dairy Res** 1985 Nov;52(4):513–20

Induction of DT–diaphorase by anticarcinogenic sulfur compounds in mice. Benson AM, et al. **JNCI** 1986 Mar; 76(3):467–73

2,4–Dichlorobenzyl thiocyanate, an antimitotic agent that alters microtubule morphology. Abraham I, et al. **Proc Natl Acad Sci USA** 1986 Sep;83(18):6839–43

Generation of anaphylatoxin activity related to C3a, by treatment of human serum with the nitrogen nucleophile N2H4 or the chaotrope KSCN. von Zabern I, et al. **Scand J Immunol** 1985 Dec;22(6):639–51

POISONING

Pharmacokinetics in hepatic transport of amaranth in rats intoxicated with carbon tetrachloride and alpha–naphthylisothiocyanate. Takahashi K, et al. **Chem Pharm Bull (Tokyo)** 1985 Nov;33(11):4973–80

TOXICITY

Histological demonstration of wheat germ lectin binding sites in the liver of normal and ANIT treated rats. Masson MT, et al. **Arch Toxicol** 1986 Jul;59(2):121–3

Cytomorphological changes in liver cells exposed to allyl and benzyl isothiocyanate and their cysteine and glutathione conjugates. Temmink JH, et al. **Arch Toxicol** 1986 Jul;59(2):103–10

Cellular effects of endotoxin in vitro: mobility of endotoxin in the plasma membrane of hepatocytes and neuroblastoma cells. Kilpatrick–Smith L, et al. **Biochim Biophys Acta** 1985 Nov 20;847(2):177–84

Four–week toxicity study of phenyl isothiocyanate in rats. Speijers GJ, et al. **Food Chem Toxicol** 1985 Nov; 23(11):1015–7

Allyl isothiocyanate. **IARC Monogr Eval Carcinog Risk Chem Hum** 1985 Feb; 36:55–68

Changes in polyamine metabolism in rat liver after oral administration of alpha–naphthylisothiocyanate. Aoki Y, et al. **J Toxicol Sci** 1986 May;11(2):95–104

Glutathione– and cysteine–mediated cytotoxicity of allyl and benzyl isothiocyanate. Bruggeman IM, et al. **Toxicol Appl Pharmacol** 1986 Apr;83(2):349–59

S–adenosyl–L–methionine protection against alpha–naphthylisothiocyanate–induced cholestasis in the rat. Di Padova C, et al. **Toxicol Lett** 1985 Dec; 29(2–3):131–6

Evaluating toxin–induced hepatic injury in rats by laboratory results and discriminant analysis. Carakostas MC, et al. **Vet Pathol** 1986 May;23(3):264–9

[Safety of animal husbandry products produced by using allyl isothiocyanate–preserved feeds] Aksiuk IN, et al. **Vopr Pitan** 1985 Sep–Oct;(5):48–51 (Eng. Abstr.) **(Rus)**

THIOETHERS see **SULFIDES**

THIOGALACTOSIDES see under **THIOGLYCOSIDES**

THIOGLUCOSIDES see under **THIOGLYCOSIDES**

THIOGLYCOLATES

CHEMICAL SYNTHESIS

DL–S–(2–[N–3–(2–oxo–tetrahydrothienyl)acetamido])–thioglycolic acid: a novel mucolytic agent of the class of homocysteine thiolactone derivatives. Gobetti M, et al. **Farmaco [Sci]** 1986 Jan;41(1):69–79

Synthesis and some biological properties of new derivatives of 1–S–phenylthioglycoloni trile. Makosza M, et al. **Pol J Pharmacol Pharm** 1985 Jul–Aug;37(4):551–63

DIAGNOSTIC USE

Technetium thiodiglycollic acid (99mTc–TDG). A new radiopharmaceutical with the potential for the assessment of renal function. Nowotnik DP, et al. **Eur J Nucl Med** 1985;11(8):285–9

Preparation of Tc 99m–Sn–thioglycolic acid–dl–isoleucine (Tc–99m–TGA–ILEU) complex and its comparison with Tl 201–chloride for myocardial imaging. Faiz–ur–Rehman, et al. **JPMA** 1986 Feb;36(2):40–3

PHARMACODYNAMICS

Influence of adoptively transferred thioglycollate–elicited peritoneal macrophages on metastasis formation in mice with depressed or stimulated NK activity. Gorelik E, et al. **Clin Exp Metastasis** 1985 Apr–Jun;3(2):111–23

Effect of prior treatment with thioglycolate on the incubation period of intraperitoneally injected scrapie. Carp RI, et al. **Intervirology** 1985;24(3):170–3

Kinetics of macrophage recruitment and turnover in peritoneal inflammatory exudates induced by Salmonella or thioglycollate broth. Hopper KE. **J Leukocyte Biol** 1986 Apr;39(4):435–46

THERAPEUTIC USE

Chemical removal of hair. Natow AJ. **Cutis** 1986 Aug; 38(2):91–2

URINE

The analysis of thiodiglycollic acid by selected ion monitoring. Pettit BR. **Clin Chim Acta** 1986 Apr 15; 156(1):85–90

THIOGLYCOSIDES

The crystal structure of isobutyl 2,3,4–tri–O–acetyl–1–thio–beta–D–xylopyranoside. Jeffrey GA, et al. **Carbohydr Res** 1985 Dec 1;144(2):197–203

CHEMICAL SYNTHESIS

[Solubilization and reconstitution of membrane proteins using new nonionic detergents, heptylthioglucoside and octylthioglucoside] Tsuchiya T, et al. **Tanpakushitsu Kakusan Koso** 1985 Aug;30(9):1058–66 **(Jpn)**

METABOLISM

The metabolism of some xenobiotics in germ–free and conventional rats. Macholz R, et al. **Arch Toxicol [Suppl]** 1985;8:373–6

The role of the proton motive force and electron flow in solute transport in Escherichia coli. Elferink MG, et al. **Eur J Biochem** 1985 Nov 15;153(1):161–5

The metabolism of 5'–methylthioadenosine and 5–methylthioribose 1–phosphate in Saccharomyces cerevisiae. Marchitto KS, et al. **J Gen Microbiol** 1985 Sep; 131 (Pt 9):2153–64

PHARMACODYNAMICS

Preliminary observations on the effect of dietary brussels sprouts on thyroid function. McMillan M, et al. **Hum Toxicol** 1986 Jan;5(1):15–9

Changes in liver glutathione S–transferase activities in Coturnix quail fed municipal sludge–grown cabbage with reduced levels of glucosinolates. Stoewsand GS, et al. **Proc Soc Exp Biol Med** 1986 May;182(1):95–9

THIOGUANINE

ADMINISTRATION & DOSAGE

6–Thioguanine: high–dose 2–H infusions in goats. Schouten TJ, et al. **J Cancer Res Clin Oncol** 1985;110(2):115–8

ANALOGS & DERIVATIVES

Formation of 6–thioguanine and 6–mercaptopurine from their 9–alkyl derivatives in mice. Nelson JA, et al. **Cancer Res** 1986 Jan;46(1):137–40

PHARMACODYNAMICS

Effects of 6–thioguanine on communication competence and factors affecting reversibility of phorbol ester inhibition in V79 cells measured by the metabolic cooperation assay and by dye coupling. Stedman DB, et al. **Carcinogenesis** 1985 Nov;6(11):1599–605

Direct and indirect flow cytometric enumeration of 6–thioguanine–resistant human peripheral blood lymphocytes. Matsson P, et al. **Cytometry** 1985 Nov; 6(6):648–56

Effects of asbestos fibers on cell division, cell survival, and formation of thioguanine–resistant mutants in Chinese hamster ovary cells. Kenne K, et al. **Environ Res** 1986 Apr; 39(2):448–64

Use of phytohemagglutinin response to determine the extent that somatic cell mutation accounts for 6–thioguanine resistance of human blood mononuclear cells. Everson RB, et al. **Mutat Res** 1985 Dec;147(6):369–78

[Induction of mutations resistant to 6–thioguanine by fast neutrons in cultured Chinese hamster cells] Elisova TV, et al. **Radiobiologiia** 1985 Sep–Oct;25(5):607–11 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

In vivo efficacy of HAT therapy against transplantable murine myelomas resistant to purine analogs. Moolten FL. **Cancer Lett** 1986 Jun;31(3):305–9

[Therapeutic possibilities in hypereosinophilia syndrome with Löffler's fibroplastic endomyocarditis. Efficacy of cytarabine and 6–thioguanine] Haas R, et al. **Dtsch Med Wochenschr** 1985 Oct 11;110(41):1573–6 (Eng. Abstr.) **(Ger)**

TOXICITY

The frequency of 6–thioguanine–resistant human peripheral blood lymphocytes as determined by flow cytometry and by clonal propagation. Amneus H, et al. **Mutat Res** 1986 Jan;173(1):61–6

6–THIOGUANINE see **THIOGUANINE**

THIOHYDANTOINS see under **HYDANTOINS**

THIOINOSINE see under **INOSINE**

THIOLESTER HYDROLASES

ANALYSIS

Correlation between the cellular level of long–chain acyl–CoA, peroxisomal beta–oxidation, and palmitoyl–CoA hydrolase activity in rat liver. Are the two enzyme systems regulated by a substrate–induced mechanism? Berge RK, et al. **Biochim Biophys Acta** 1985 Nov 14;837(2):141–51

[Characterization of S–2–hydroxyacylglutathione hydrolase (glyoxalase II) from calf brain] Talesa V, et al. **Boll Soc Ital Biol Sper** 1985 Oct 30;61(10):1497–503 (Eng. Abstr.) **(Ita)**

ANTAGONISTS & INHIBITORS

Inhibition by glutathione derivatives of bovine liver glyoxalase II (hydroxyacylglutathione hydrolase) as a probe of the N– and S–sites for substrate binding. Al–Timari A, et al. **Biochim Biophys Acta** 1986 Mar 28; 870(2):219–25

Oxidative inactivation of an extramitochondrial acetyl–CoA hydrolase by autoxidation of L–ascorbic acid. Nakanishi Y, et al. **Eur J Biochem** 1985 Oct 15;152(2):337–42

Mechanism of ubiquitin carboxyl–terminal hydrolase. Borohydride and hydroxylamine inactivate in the presence of ubiquitin. Pickart CM, et al. **J Biol Chem** 1986 Aug 5;261(22):10210–7

BIOSYNTHESIS

Different induction of microsomal carboxylesterases, palmitoyl–CoA hydrolase and acyl–L–carnitine hydrolase in rat liver after treatment with clofibrate. Mentlein R, et al. **Biochem Pharmacol** 1986 Aug 15;35(16):2727–30

Concomitant increase by peroxisome proliferators of fatty acid–binding protein, peroxisomal beta–oxidation and cytosolic acyl–CoA hydrolase in liver. Katoh H, et al. **Res Commun Chem Pathol Pharmacol** 1985 Aug; 49(2):229–41

BLOOD

Evaluation of thioesterase II as a serum marker for rat mammary cancer. Pawlak J, et al. **Cancer Res** 1986 Sep; 46(9):4712–9

GENETICS

Genetic and biochemical characterization of an Escherichia coli K–12 mutant deficient in acyl–coenzyme A thioesterase II. Narasimhan ML, et al. **J Bacteriol** 1986

Mar;165(3):911–7
Cloning and sequencing of the cDNA for S-acyl fatty acid synthase thioesterase from the uropygial gland of mallard duck. Poulose AJ, et al. **J Biol Chem** 1985 Dec 15; 260(29):15953–8

ISOLATION & PURIFICATION

Identity of purified monoacylglycerol lipase, palmitoyl–CoA hydrolase and aspirin–metabolizing carboxylesterase from rat liver microsomal fractions. A comparative study with enzymes purified in different laboratories. Mentlein R, et al. **Biochem J** 1985 Dec 1;232(2):479–83
Purification and properties of acyl coenzyme A thioesterase II from Rhodopseudomonas sphaeroides. Seay T, et al. **Biochemistry** 1986 May 6;25(9):2480–5
Selenomethionine–containing thiolase and 3–hydroxybutyryl–CoA dehydrogenase from Clostridium kluyveri. Hartmanis MG, et al. **Curr Top Cell Regul** 1985; 27:479–86

METABOLISM

Inhibition of the functional interaction between fatty acid synthetase and thioesterase II by modification of a single cysteine thiol on the thioesterase. Witkowski A, et al. **Arch Biochem Biophys** 1985 Dec;243(2):420–6
Thioesterase II: structure–function relationships. Smith S, et al. **Biochem Soc Trans** 1986 Jun;14(3):583–4
Physiological changes in the activities of extramitochondrial acetyl–CoA hydrolase in the liver of rats under various metabolic conditions. Matsunaga T, et al. **Eur J Biochem** 1985 Oct 15;152(2):331–6

THIOLS see **SULFHYDRYL COMPOUNDS**

THIOMEBUMAL see **THIOPENTAL**

THIONEINE see **ERGOTHIONEINE**

THIONES

CHEMICAL SYNTHESIS

[Preparation and preliminary studies on the in vitro antifungal activity of 1,2–benzodithiol–3–thione derivatives] Caccialanza G, et al. **Boll Chim Farm** 1985 May; 124(5):196–200 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

1,2–Dithiol–3–thione analogs: effects on NAD(P)H:quinone reductase and glutathione levels in murine hepatoma cells. De Long MJ, et al. **Carcinogenesis** 1986 Jun;7(6):977–80
Reversion of bovine papillomavirus–induced transformation and immortalization by a xanthate compound. Amimann E, et al. **Exp Cell Res** 1985 Dec;161(2):541–50
Biochemical effects of dithiolthiones. Ansher SS, et al. **Food Chem Toxicol** 1986 May;24(5):405–15
Mobilization of nickel by potassium ethylxanthate in mice: comparison with sodium diethyldithiocarbamate and effect of intravenous versus oral administration. Jasim S, et al. **Toxicol Lett** 1986 Jun;31(3):249–55

THIONUCLEOSIDES

METABOLISM

Salvage of 5'–deoxy–5'–methylthioadenosine and L–homocysteine into methionine in cells cultured in a methionine–free medium: a study of "methionine–dependence".Christa L, et al. **Biochem Biophys Res Commun** 1986 Feb 26;135(1):131–8
The metabolism of 5'–methylthioadenosine and 5–methylthioribose 1–phosphate in Saccharomyces cerevisiae. Marchitto KS, et al. **J Gen Microbiol** 1985 Sep; 131 (Pt 9):2153–64

PHARMACODYNAMICS

Growth of mammalian cells in the absence of the accumulation of spermine. Pegg AE, et al. **Biochem Biophys Res Commun** 1985 Nov 27;133(1):82–9
Modulation of diphthamide synthesis by 5'–deoxy–5'–methylthioadenosine in murine lymphoma cells. Yamanaka H, et al. **Biochim Biophys Acta** 1986 Sep 19;888(2):157–62
Pharmacological action of 5'–methylthioadenosine on isolated rabbit aorta strips. Nishida Y, et al. **Blood Vessels** 1985;22(5):229–33
Inhibition of cell proliferation by a synthetic C–nucleoside (EIT). de la Fuente M, et al. **Chemotherapy** 1985; 31(5):383–8
Restoration of in vitro responsiveness of xid B cells to TNP–Ficoll by 8–mercaptoguanosine. Ahmad A, et al. **J Immunol** 1986 Feb 15;136(4):1223–6
Mechanism of synergy between T cell signals and C8–substituted guanine nucleosides in humoral immunity: B lymphotropic cytokines induce responsiveness to 8–mercaptoguanosine. Goodman MG. **J Immunol** 1986 May 1;136(9):3335–40
Mutagenic and comutagenic action of 5'–deoxy–5'–(methylthio)adenosine. Näslund M, et al. **Mutat Res** 1986 Jun;161(1):1–7
[Decrease in the transforming action of Rous sarcoma virus produced by avian cells grown in the presence of 5'–deoxy–5'–S–isobutyladenosine (SIBA)] Presse F, et al. **C R Acad Sci [III]** 1985;301(7):355–60 (Eng. Abstr.) **(Fre)**

TOXICITY

Dissimilar actions of 6–mercaptopurine and 6–thioguanine in Chinese hamster ovary cells. Maybaum J, et al. **Biochem Pharmacol** 1985 Oct 15;34(20):3677–82

THIONUCLEOTIDES

The pairing activity of stable nucleoprotein filaments made from recA protein, single–stranded DNA, and adenosine 5'–(gamma–thio)triphosphate. Honigberg SM, et al. **J Biol Chem** 1985 Sep 25;260(21):11845–51

ADMINISTRATION & DOSAGE

Combination therapy of Schistosoma japonicum by tubercidin and nitrobenzylthioinosine 5'–monophosphate. el Kouni MH, et al. **Biochem Pharmacol** 1985 Nov 1; 34(21):3921–3
Regulation of calcium currents by a GTP analogue: potentiation of (–)–baclofen–mediated inhibition. Scott RH, et al. **Neurosci Lett** 1986 Aug 15;69(1):59–64

BLOOD

Skin cancer in renal transplant recipients is associated with increased concentrations of 6–thioguanine nucleotide in red blood cells. Lennard L, et al. **Br J Dermatol** 1985 Dec; 113(6):723–9

CHEMICAL SYNTHESIS

Synthesis of d(GC) and d(CG) octamers containing alternating phosphorothioate linkages: effect of the phosphorothioate group on the B–Z transition. Cosstick R, et al. **Biochemistry** 1985 Jul 2;24(14):3630–8

GENETICS

The rapid generation of oligonucleotide–directed mutations at high frequency using phosphorothioate–modified DNA. Taylor JW, et al. **Nucleic Acids Res** 1985 Dec 20; 13(24):8765–85

METABOLISM

Role of the dianionic form of the GTP gamma–phosphate in the polymerization process of tubulin. Monasterio O, et al. **Arch Biol Med Exp (Santiago)** 1985 Dec;18(3–4):325–9
Substrate specificity and stereospecificity of calf spleen phosphodiesterase towards deoxyribonucleosidyl 3'–(4–nitrophenyl phosphates) and phosphorothioates. Niewiarowski W, et al. **Eur J Biochem** 1985 Nov 15; 153(1):145–53
Guanosine 5'–O–(3–thiotriphosphate) as an analog of GTP in protein biosynthesis. The effects of temperature and polycations on the accuracy of initial recognition of aminoacyl–tRNA ternary complexes by ribosomes. Karim AM, et al. **J Biol Chem** 1986 Mar 5;261(7):3238–43
The interaction of phosphorothioate analogues of ATP with phosphomevalonate kinase. Kinetic and 31P NMR studies. Lee CS, et al. **J Biol Chem** 1985 Nov 15;260(26):13909–15
Fate of cyclic nucleotides in PC12 cell cultures: uptake, metabolism, and effects of metabolites on nerve growth factor–induced neurite outgrowth. Braumann T, et al. **J Neurochem** 1986 Sep;47(3):912–9
Selective protection of in vitro synthesized cDNA against nucleases by incorporation of phosphorothioate–analogues. Schreiber G, et al. **Nucleic Acids Res** 1985 Nov 11; 13(21):7663–72
The use of phosphorothioate–modified DNA in restriction enzyme reactions to prepare nicked DNA. Taylor JW, et al. **Nucleic Acids Res** 1985 Dec 20;13(24):8749–64

PHARMACODYNAMICS

Effect of gamma–thio–ATP on dog stomach smooth muscle membranes. Grover AK, et al. **Arch Int Pharmacodyn Ther** 1985 Dec;278(2):224–8
Modulation of cyclic AMP action in the dog thyroid by its agonist and antagonist Sp– and Rp–adenosine 3',5'–monophosphorothioate. Erneux C, et al. **Biochem J** 1986 Feb 15;234(1):193–7
GTP gamma S–induced solubilization of actin and myosin from rabbit peritoneal neutrophil membrane. Huang CK, et al. **FEBS Lett** 1986 Jun 23;202(1):41–4
Thyrotropin–releasing hormone activates a Ca2+–dependent polyphosphoinositide phosphodiesterase in permeable GH3 cells. GTP gamma S potentiation by a cholera and pertussis toxin–insensitive mechanism. Martin TF, et al. **J Biol Chem** 1986 Feb 25;261(6):2918–27
Modulation of guanine nucleotide affinity does not affect the first order rate constant of activation of adenylate cyclase in native membranes. Tolkovsky AM. **J Biol Chem** 1986 Apr 5;261(10):4579–86
Protein thiophosphorylation associated with secretory inhibition in permeabilized chromaffin cells. Brooks JC, et al. **Life Sci** 1985 Nov 18;37(20):1869–75
Potentiation of muscarinic and alpha–adrenergic responses by an analogue of guanosine 5'–triphosphate. Evans MG, et al. **Proc Natl Acad Sci USA** 1986 Jun;83(11):4099–103
Blockade of visual excitation and adaptation in Limulus photoreceptor by GDP–beta–S. Fein A. **Science** 1986 Jun 20;232(4757):1543–5

THIOPENTAL

A comparison of the induction characteristics of thiopentone and propofol (2,6–di–isopropyl phenol). Fahy LT, et al. **Anaesthesia** 1985 Oct;40(10):939–44
Comparison of propofol and thiopentone for induction of anaesthesia in premedicated patients. Rolly G, et al. **Anaesthesia** 1985 Oct;40(10):945–8
Thiopental and epinephrine–induced dysrhythmias in dogs anesthetized with enflurane or isoflurane. Atlee JL 3d, et al. **Anesth Analg** 1986 May;65(5):437–43
Augmentation of venous return by adrenergic agonists during spinal anesthesia. Butterworth JF 4th, et al. **Anesth Analg** 1986 Jun;65(6):612–6
Roles of fentanyl and nitroglycerin in prevention of myocardial ischemia associated with laryngoscopy and tracheal intubation in patients undergoing operations of short duration. Fusciardi J, et al. **Anesth Analg** 1986 Jun; 65(6):617–24
Wakefulness during cesarean section after anesthetic induction with ketamine, thiopental, or ketamine and thiopental combined. Schultetus RR, et al. **Anesth Analg** 1986 Jul;65(7):723–8
Anesthesia and recovery with tricaine methanesulfonate, eugenol and thiopental sodium in the carp, Cyprinus carpio. Hikasa Y, et al. **Nippon Juigaku Zasshi** 1986 Apr; 48(2):341–51
Chronic administration of type A monoamine oxidase inhibitors increases duration of thiopentone anaesthesia in the rat. Mason ST. **Physiol Behav** 1985 Aug;35(2):201–3
Induction of anaesthesia with propofol ('Diprivan') or thiopentone and interactions with suxamethonium, atracurium and vecuronium. Nightingale P, et al. **Postgrad Med J** 1985;61 Suppl 3:31–4
[Use of low doses of thiopentone sodium as the sole anesthetic in cesarean section: assessment of maternal anesthesia and effects on the newborn infant] Marraro G, et al. **Minerva Anestesiol** 1985 Jun;51(6):309–20 (Eng. Abstr.) **(Ita)**
[Modified balanced anesthesia for patients with increased intracranial pressure] Miyoshi S, et al. **Masui** 1985 Jul; 34(7):960–5 (Eng. Abstr.) **(Jpn)**
[Cough suppression during head bandaging and extubation following general anesthesia for craniotomy] Otero C, et al. **Rev Esp Anestesiol Reanim** 1985 Nov–Dec;32(6):276–9 (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

Differences between two thiopental sodium for injection kits [letter] Das Gupta V. **Am J Hosp Pharm** 1986 Aug; 43(8):1913–4
Thiopental requirements may be increased in children reanesthetized at least one year after recovery from extensive thermal injury. Coté CJ, et al. **Anesth Analg** 1985 Dec;64(12):1156–60
Haemorrhage decreases the anaesthetic requirement for ketamine and thiopentone in the pig. Weiskopf RB, et al. **Br J Anaesth** 1985 Oct;57(10):1022–5
Evaluation of infusion regimens for thiopentone as a primary anaesthetic agent. Crankshaw DP, et al. **Eur J Clin Pharmacol** 1985;28(5):543–52
[Prolonged cerebral electrical "silence" with intracranial pressure monitored by extradural approach in the treatment of post–traumatic coma using thiopentone combined with alphaxalone–alphadolone. Clinical case] Demo P, et al. **Minerva Anestesiol** 1985 Oct;51(10):503–8 **(Ita)**
[Preliminary results in the treatment of severe brain injuries using thiopental and alphaxalone–alphadolone and monitoring of the intracranial pressure by extradural approach] Vendramin ML, et al. **Minerva Anestesiol** 1985 Sep;51(9):417–28 **(Ita)**

ADVERSE EFFECTS

Increased myocardial infarct size by thiopental after coronary occlusion in the dog. Jugdutt BI, et al. **Am Heart J** 1986 Sep;112(3):485–94
Epinephrine–induced ventricular arrhythmias in dogs anesthetized with halothane: potentiation by thiamylal and thiopental. Bednarski RM, et al. **Am J Vet Res** 1985 Sep; 46(9):1829–31
Thiopentone complication [letter] Lamont AS. **Anaesth Intensive Care** 1985 Nov;13(4):442
An unusual complication of thiopentone administration [letter] Leach AA. **Anaesthesia** 1986 Jul;41(7):762
Thiopentone and the bronchospastic patient [letter] McDonald A. **Br J Hosp Med** 1986 Mar;35(3):205
[Phlebitis of the arm caused by pentothal infusion] Coget JM, et al. **Phlebologie** 1985 Oct–Dec;38(4):561–7 (Eng. Abstr.) **(Fre)**
[Atrial flutter with 1:1 atrioventricular conduction (provoked with non–inhalation anesthetics)] Grishkin IuN. **Kardiologiia** 1986 Apr;26(4):90–2 **(Rus)**

BLOOD

Thiopentone levels during cardiopulmonary bypass. Changes in plasma protein binding during continuous infusion. Morgan DJ, et al. **Anaesthesia** 1986 Jan;41(1):4–10

Determination of thiopental and pentobarbital in plasma using high-performance liquid chromatography. Houdret N, et al. **J Chromatogr** 1985 Oct 11;343(2):437–42

[Thiopental distribution in the blood of surgical patients] Taeger K, et al. **Anasth Intensivther Notfallmed** 1986 Aug; 21(4):175–80 (Eng. Abstr.) (Ger)

[Thiopental levels in the plasma during induction of anesthesia] Taeger K, et al. **Anasth Intensivther Notfallmed** 1986 Aug;21(4):169–74 (Eng. Abstr.) (Ger)

METABOLISM

Thiopentone complication [letter] Lamont AS. **Anaesth Intensive Care** 1986 May;14(2):211

Pentobarbitone formation during thiopentone infusion. Chan HN, et al. **Anaesthesia** 1985 Dec;40(12):1155–9

Blood pentobarbital concentrations during thiopental therapy. Watson WA, et al. **Drug Intell Clin Pharm** 1986 Apr;20(4):283–7

PHARMACODYNAMICS

Increased thiopental sensitivity in cardiac patients. Christensen JH, et al. **Acta Anaesthesiol Scand** 1985 Oct; 29(7):702–5

Responses of isolated canine and simian basilar arteries to thiopentone by a newly designed pharmacological method for measuring vascular responsiveness. Tsuji T, et al. **Acta Neurochir (Wien)** 1986;80(1–2):57–61

Interactions between hexobarbital and thiopental in male rats evaluated with an anaesthesia threshold. Norberg L, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Feb;58(2):96–104

The effect of single and repeated doses of thiopentone and fentanyl on liver function in the rat. Fassoulaki A, et al. **Anaesth Intensive Care** 1986 May;14(2):145–7

Thiopentone cerebral protection under EEG control during carotid endarterectomy. Hicks RG, et al. **Anaesth Intensive Care** 1986 Feb;14(1):22–8

Ventilatory effects of propofol during induction of anaesthesia. Comparison with thiopentone. Taylor MB, et al. **Anaesthesia** 1986 Aug;41(8):816–20

Comparison of psychomotor skills and amnesia after induction of anesthesia with midazolam or thiopental. Reitan JA, et al. **Anesth Analg** 1986 Sep;65(9):933–7

Effects of chronic alcohol intake on anesthetic responses to diazepam and thiopental in rats. Newman LM, et al. **Anesthesiology** 1986 Aug;65(2):196–200

Inhibition of anion permeabilities by anaesthetic in ghosts erythrocytes. Scuteri A, et al. **Boll Soc Ital Biol Sper** 1985 Aug 30;61(8):1105–11

Responses of EEG, cerebral oxygen consumption and blood flow to peripheral nerve stimulation during thiopentone anaesthesia in the dog. Miyauchi Y, et al. **Can Anaesth Soc J** 1985 Sep;32(5):491–8

Effect of thiopental sodium and barbitone sodium on the total acetylcholine content and acetylcholinesterase activity in the brain tissue of Arvicanthis niloticus. Fathi MM, et al. **Comp Biochem Physiol [C]** 1986;83(1):185–90

Adrenoreactivity of the circulatory system and of some metabolic processes induced by narcosis and surgical trauma. Bobkov YuI, et al. **Cor Vasa** 1985;27(4):310–8

Visual versus computer evaluation of thiopental-induced EEG changes in temporal lobe epilepsy. Lieb JP, et al. **Electroencephalogr Clin Neurophysiol** 1986 May; 63(5):393–407

Focal burst-suppression induced by thiopental. Sperling MR, et al. **Electroencephalogr Clin Neurophysiol** 1986 Mar; 63(3):203–8

Thiopental inhibits K+ permeability of rat and mouse pancreatic beta-cells. Gonçalves AA, et al. **Eur J Pharmacol** 1986 Jun 5;125(1):119–25

Interference of pentobarbital and thiopental with the vascular contraction and noradrenaline release in human cerebral arteries. Sánchez-Ferrer CF, et al. **Gen Pharmacol** 1985; 16(5):469–73

An electroencephalographic comparison of alfentanil with other narcotics and with thiopental. Smith NT, et al. **J Clin Monit** 1985 Oct;1(4):236–44

Correlation between thiopental induction dose and the volume of distribution of caffeine in human subjects. DeLaRocha A, et al. **J Clin Pharmacol** 1986 Mar; 26(3):191–4

Calcium and thiopental-induced spontaneous activity in rabbit papillary muscle. Komai H, et al. **J Mol Cell Cardiol** 1986 Jan;18(1):73–9

Influence of histamine and related compounds on the hypnotic effect of thiopental in mice. Kamei C, et al. **J Pharmacobiodyn** 1986 Jan;9(1):112–6

Thymidine transport and metabolism in choroid plexus: effect of diazepam and thiopental. Spector R. **J Pharmacol Exp Ther** 1985 Oct;235(1):16–9

Contraction and relaxation of rabbit basilar artery by thiopental. Gross CE, et al. **Neurosurgery** 1985 Sep; 17(3):433–5

Thiopental, phenobarbital, and chlordiazepoxide induce the same differences in narcotic reaction as ethanol in long-sleep and short-sleep selectively-bred mice. McIntyre TD, et al. **Pharmacol Biochem Behav** 1986 Apr;24(4):895–8

Intraocular pressure changes with propofol ('Diprivan'): comparison with thiopentone. Mirakhur RK, et al. **Postgrad Med J** 1985;61 Suppl 3:41–4

A comparison of the haemodynamic effects of propofol ('Diprivan') and thiopentone in patients with coronary artery disease. Patrick MR, et al. **Postgrad Med J** 1985;61 Suppl 3:23–7

On the biopotency and site of action of drugs affecting endocrine tissues with special reference to the anti-steroidogenic effect of anaesthetic agents. Robertson WR, et al. **Postgrad Med J** 1985;61 Suppl 3:145–51

[The effect on barbiturates on hemodynamics during extracorporeal circulation: thiopental versus methohexital] Ellmauer S, et al. **Anaesthesist** 1986 Jul;35(7):414–8 (Eng. Abstr.) (Ger)

[Effects of thiopental on sensory evoked potentials in the cat] Takaya M, et al. **No To Shinkei** 1986 Jun;38(6):579–84 (Eng. Abstr.) (Jpn)

[Echocardiographic evaluation of various intravenous anesthetic agents] Aguiar Moharro JA, et al. **Rev Esp Anestesiol Reanim** 1986 Jan–Feb;33(1):23–4 (Eng. Abstr.) (Spa)

THERAPEUTIC USE

A prophylactic bolus of thiopentone does not protect against prolonged focal cerebral ischaemia. Gelb AW, et al. **Can Anaesth Soc J** 1986 Mar;33(2):173–7

Haemodynamic effects of ketamine and thiopentone during anaesthetic induction for caesarean section. Schultetus RR, et al. **Can Anaesth Soc J** 1985 Nov;32(6):592–6

Barbiturate therapy of prolonged circulatory arrest [letter] Gueugniaud PY, et al. **Crit Care Med** 1986 Mar; 14(3):259–60

Short duration general anaesthesia in the horse using guaiacol glycerine ether and thiopentone sodium. Brouwer GJ. **Equine Vet J** 1985 May;17(3):252–4

Life-threatening intracranial hypertension in Reye's syndrome treated with intravenous thiopentone. McWilliam RC, et al. **Eur J Pediatr** 1985 Nov;144(4):383–4

Randomized clinical study of thiopental loading in comatose survivors of cardiac arrest. Brain Resuscitation Clinical Trial I Study Group. **N Engl J Med** 1986 Feb 13; 314(7):397–403

Cardiopulmonary-cerebral resuscitation [editorial] Yatsu FM. **N Engl J Med** 1986 Feb 13;314(7):440–1

[Use of barbiturates in posttraumatic comas at the mesencephalic level. Apropos of 38 cases] Dubois G, et al. **Neurochirurgie** 1985;31(6):527–9 (Eng. Abstr.) (Fre)

[Comparative randomized study between midazolam and thiopentone for controlling intracranial pressure] Mazzarella B, et al. **Minerva Anestesiol** 1985 Jul–Aug; 51(7–8):393–6 (Eng. Abstr.) (Ita)

[Efficacy and limitation of postoperative barbiturate therapy in severe head injury] Shigemori M, et al. **No Shinkei Geka** 1986 Apr;14(5):637–42 (Eng. Abstr.) (Jpn)

THIOPENTOBARBITAL see **THIOPENTAL**

THIOPHANATE see under **CARBAMATES**

THIOPHENES

Determination of copper in biological tissue by means of photochemically generated (Z)-2-thiophenaldehyde 2-pyridylhydrazone. García Sánchez F, et al. **Analyst** 1986 Apr;111(4):445–8

The mode of action of polyacetylene and thiophene photosensitizers on liposome permeability to glucose. McRae DG, et al. **Biochim Biophys Acta** 1985 Dec 19; 821(3):488–96

[Epidural anesthesia with carticaine in cesarean section. A comparison with bupivacaine] Kaukinen L, et al. **Reg Anaesth** 1986 Jul;9(3):79–83 (Eng. Abstr.) (Ger)

[Comparative evaluation of carticaine and bupivacaine in epidural anesthesia in cesarean section] Hamar O, et al. **Zentralbl Gynakol** 1986;108(12):739–43 (Eng. Abstr.) (Ger)

ADMINISTRATION & DOSAGE

[Influencing the effectiveness of repeatedly used dialyzers by the administration of ticlopidine (Ticlid)] Opatrný K, et al. **Vnitr Lek** 1986 Apr;32(4):356–61 (Eng. Abstr.) (Cze)

ADVERSE EFFECTS

Anaemia and agranulocytosis associated with ticlopidine therapy. Guerciolini R, et al. **Acta Haematol (Basel)** 1985; 73(4):232–4

Ticlopidine as a hemorrhagic risk factor in coronary surgery. Criado A, et al. **Drug Intell Clin Pharm** 1985 Sep; 19(9):673–6

Charcterization of cutaneous phototoxicity induced by topical alpha-terthienyl and ultraviolet A radiation. Rampone WM, et al. **J Invest Dermatol** 1986 Sep; 87(3):354–7

[Does the use of ticlopidine in hemodialyzed patients contraindicate renal transplantation? [letter]] Louis J, et al. **Presse Med** 1986 Feb 22;15(8):399 (Fre)

[Should ticlopidine be forbidden for hemodialysis patients waiting for renal transplantation? (letter)] Spiesser R, et al. **Presse Med** 1985 Dec 14;14(43):2197–8 (Fre)

[Cholestatic fatty liver of probably iatrogenic origin] Pistone AM, et al. **Recenti Prog Med** 1986 Apr;77(4):188–90 (Eng. Abstr.) (Ita)

ANALYSIS

Determination of 4-amino-5-ethyl-3-thiophenecarboxylic acid methyl ester and its acid metabolite in plasma and urine by high-performance liquid chromatography. Brooks MA, et al. **J Chromatogr** 1985 Dec 13;345(2):333–43

CHEMICAL SYNTHESIS

DL-S-(2-[N-3-(2-oxo-tetrahydrothienyl)acetamido])-thioglycolic acid: a novel mucolytic agent of the class of homocysteine thiolactone derivatives. Gobetti M, et al. **Farmaco [Sci]** 1986 Jan;41(1):69–79

7-Aroyl-2,3-dihydrobenzo[b]furan-3-carboxylic acids and 7-benzoyl-2,3-dihydrobenzo[b]thiophene-3-carboxylic acids as analgesic agents. Boyle EA, et al. **J Med Chem** 1986 Jun;29(6):894–8

Synthesis and radioreceptor binding activity of N-0437, a new, extremely potent and selective D2 dopamine receptor agonist. Horn AS, et al. **Pharm Weekbl [Sci]** 1985 Oct 25; 7(5):208–11

Synthesis and preliminary pharmacologic assessment of the carbonates of 1-(2-thienyl)-3-dialkylamino-1-propanols. Part 4. Avramova P, et al. **Pharmazie** 1985 Aug;40(8):579

[Studies on the chemotherapy of filariasis. III. Synthesis of 5-nitro-2-thienylazomethine and 3,5-dinitro-2-thienylamine derivatives] Yan M, et al. **Yao Hsueh Hsueh Pao** 1985 Mar;20(3):219–23 (Eng. Abstr.) (Chi)

[Benzylidene-5 pyrrolones, furanones and thiophenones. 2. Quantitative structure-activity relationship] Galdino SL, et al. **Farmaco [Sci]** 1986 Jan;41(1):59–68 (Eng. Abstr.) (Fre)

[Synthesis of 7-benzyl-5,6,7,8-tetrahydro-pyrido[4',3':4,5]thieno [2,3-d]pyrimidine-4(3H)-ones with alkylthioester groups in position 2 and examination of their platelet aggregation-inhibiting activity] Leistner S, et al. **Pharmazie** 1986 Jan;41(1):54–5 (Ger)

[Preparation and preliminary studies on the in vitro antifungal activity of 1,2-benzodithiol-3-thione derivatives] Caccialanza G, et al. **Boll Chim Farm** 1985 May; 124(5):196–200 (Eng. Abstr.) (Ita)

[Synthesis and analgesic activity of 3-substituted derivatives of pyrido [3',2':4,5]thieno[3,2-d]pyrimidin-4(3H)-ones] Bousquet E, et al. **Farmaco [Sci]** 1985 Nov;40(11):869–74 (Eng. Abstr.) (Ita)

[Non-steroidal anti-inflammatory agents. IV. Synthesis and pharmacologic activity of aroylthiopheneacetic acids with a pyrrole group] Massa S, et al. **Farmaco [Sci]** 1986 Apr; 41(4):281–91 (Eng. Abstr.) (Ita)

METABOLISM

Dibenzothiophene sulphoxidation: a new and fast high-performance liquid chromatographic assay of mixed-function oxidation. Vignier V, et al. **Xenobiotica** 1985 Dec;15(12):991–9

PHARMACODYNAMICS

Antimigraine drug interactions with 5-hydroxytryptamine1A receptors. Hiner BC, et al. **Ann Neurol** 1986 May; 19(5):511–3

Effects of ticlopidine on blood fibrinogen and blood viscosity in peripheral atherosclerotic disease. Randi ML, et al. **Arzneimittelforschung** 1985;35(12):1847–9

Blood lipid profile in healthy subjects treated with ticlopidine. Violi F, et al. **Atherosclerosis** 1985 Dec; 58(1–3):291–4

Mechanism of interaction of ticlopidine and its analogues with the energy-conserving mechanism in mitochondria. Abou-Khalil S, et al. **Biochem Pharmacol** 1986 Jun 1; 35(11):1855–9

Swelling of mitochondria by the platelet antiaggregating agent ticlopidine. Abou-Khalil S, et al. **Biochem Pharmacol** 1986 Jun 1;35(11):1849–53

Effects of thionaphthene 2-carboxylic acid and related compounds on bone resorption in organ culture. Raisz LG, et al. **Calcif Tissue Int** 1985 Sep;37(5):556–9

1,2-Dithiol-3-thione analogs: effects on NAD(P)H:quinone reductase and glutathione levels in murine hepatoma cells. De Long MJ, et al. **Carcinogenesis** 1986 Jun;7(6):977–80

Acetyl-homocysteine-thiolactone-induced increase of superoxide dismutase counteracts the effect of subdiabetogenic doses of streptozocin. Papaccio G, et al. **Diabetes** 1986 Apr;35(4):470–4

Inhibition of histalog-stimulated gastric secretion by 40 749 RP, a new long-acting gastric antisecretory agent. Barthélemy C, et al. **Drugs Exp Clin Res** 1985;11(10):675–8

Sulfolane-induced hypothermia enhances survivability in mice. Gordon CJ, et al. **Environ Res** 1986 Jun;40(1):92–7

Effects of carbamazepine, AF-CX 921, and AF-CX 1325 on epileptic discharges and seizures in hippocampally kindled rats. Majkowski J, et al. **Epilepsia** 1986 Jul–Aug; 27(4):391–8

Increased effect of multiple doses of 40 749 RP a new long acting gastric antisecretory agent. Forichon J, et al. **Eur J Clin Pharmacol** 1986;30(3):269–71

Pharmacological profiles of three new, potent and selective dopamine receptor agonists: N-0434, N-0437 and N-0734. Van der Weide J, et al. **Eur J Pharmacol** 1986 Jun 17; 125(2):273–82

Bicyclic thiophenic derivatives as platelet aggregation

inhibitors. Darias V, et al. **Farmaco [Sci]** 1986 Jun; 41(6):478–82

Biochemical effects of dithiolthiones. Asaher SS, et al. **Food Chem Toxicol** 1986 May;24(5):405–15

Acute and chronic 24–hour gastric pH and pharmacokinetic studies with a long acting antisecretory drug (40749 RP) in peptic ulcer. Galmiche JP, et al. **Gastroenterol Clin Biol** 1986 May;10(5):390–5

Effects of single daily doses of a pyridil–2–tetrahydrothiophene derivative (40749 RP) on 24 hour H+ activity, nocturnal acid output, gastrin and pepsinogen I profiles in duodenal ulcer patients. Malè PJ, et al. **Gut** 1986 Apr;27(4):423–7

Microcirculatory changes during skin allograft rejection and prolongation of survival time by antiplatelet agents. Kawana S, et al. **Int J Tissue React** 1986;8(2):119–28

Platelet–dependent granulocyte activation in vitro: effect of ticlopidine. Laghi Pasini F, et al. **Int J Tissue React** 1985; 7(5):367–72

Pizotifen, an antimigraine drug with venoconstrictor activity in vivo. Müller–Schweinitzer E. **J Cardiovasc Pharmacol** 1986 Jul–Aug;8(4):805–10

Decreased hepatic production of very low density lipoproteins following activation of fatty acid oxidation by Ro 22–0654. Yamamoto M, et al. **J Lipid Res** 1985 Oct; 26(10):1196–204

Selective thromboxane synthetase inhibitors. 3. 1H–imidazol–1–yl–substituted benzo[b]furan–, benzo[b]thiophene–, and indole–2– and –3–carboxylic acids. Cross PE, et al. **J Med Chem** 1986 Sep;29(9):1637–43

Selective thromboxane synthetase inhibitors. 4. 2–(1H–imidazol–1–ylmethyl) carboxylic acids of benzo[b]furan, benzo[b]thiophene, indole, and naphthalene. Cross PE, et al. **J Med Chem** 1986 Sep;29(9):1643–50

Orally absorbable cephalosporin antibiotics. 2. Structure–activity studies of bicyclic glycine derivatives of 7–aminodeacetoxycephalosporanic acid. Kukolja S, et al. **J Med Chem** 1985 Dec;28(12):1896–903

Orally absorbable cephalosporin antibiotics. 1. Structure–activity relationships of benzothienyl– and naphthylglycine derivatives of 7–aminodeacetoxycephalosporanic acid. Kukolja S, et al. **J Med Chem** 1985 Dec;28(12):1886–96

Cardiotonic activity of a new inotropic agent, 3,4–dihydro–6–[4–(3,4–dimethoxybenzoyl)–1–piperazinyl]–2(1H)– quinolinone (OPC–8212), in the dog with and without beta–blocker and Ca+ +–antagonist pretreatment. Hori M, et al. **Jpn Circ J** 1986 Jan;50(1):37–44

Spin label study of the effect of ticlopidine on platelets. Hongo T, et al. **Jpn J Pharmacol** 1985 Sep;39(1):59–66

Absence of mutagenic activity of ticlopidine in the Ames Salmonella/microsome test. Hannuniemi R, et al. **Mutat Res** 1985 Oct–Nov;158(1–2):31–3

Effect of the antiplatelet agents ticlopidine and dipyridamole on experimental immune complex glomerulonephritis in rats. Iramino K, et al. **Nephron** 1986;43(1):56–61

Pizotifen (BC–105) attenuates orienting and Pavlovian heart rate conditioning in rabbits. Ginn SR, et al. **Pharmacol Biochem Behav** 1986 Mar;24(3):677–85

Verapamil does not antagonize LSD–induced stimulus control. Winter JC. **Pharmacol Biochem Behav** 1986 Jul; 25(1):227–8

The antisecretory effects of RP 40 749 in patients with previous duodenal ulcer. Myren J, et al. **Scand J Gastroenterol** 1985 Oct;20(8):1025–34

A new H+ suppressor: RP 40 749 versus placebo and cimetidine. Ambulatory 48–hour intragastric pH monitoring in normal men. Ranløv PJ, et al. **Scand J Gastroenterol** 1985 Oct;20(8):1019–24

Platelet activation induced by a human neuroblastoma tumor cell line is reduced by prior administration of ticlopidine. Bastida E, et al. **Thromb Haemost** 1986 Jun 30;55(3):333–7

Ticlopidine and platelet function [letter] Lecompte T, et al. **Thromb Haemost** 1986 Jun 30;55(3):437–8

Platelet sequestration during hypothermia in dogs treated with sulphinpyrazone and ticlopidine—reversibility accelerated after intra–abdominal rewarming. Pina–Cabral JM, et al. **Thromb Haemost** 1985 Dec 17;54(4):838–41

[Comparative clinical and experimental study of the anesthetics Ultracaine D–s and Ultracaine D–s forte (II)] Szabó G, et al. **Fogorv Sz** 1985 Sep;78(9):274–6 (Eng. Abstr.) **(Hun)**

[Changes of blood coagulability and effects of the platelet aggregation inhibitor (ticlopidine) in experimental subarachnoid hemorrhage in dogs] Toyoda O, et al. **Neurol Med Chir (Tokyo)** 1985 Oct;25(10):810–7 (Eng. Abstr.) **(Jpn)**

[Experimental study of the effect of ticlopidine chlorhydrate on the development of atherosclerotic lesions] Viver Manresa E, et al. **Angiologia** 1986 May–Jun;38(3):134–49 (Eng. Abstr.) **(Spa)**

[Activity of ticlopidine and lysine acetylsalicylate in experimental atheromatosis. Effects on the production of PGI2] Lasierra J, et al. **Arch Farmacol Toxicol** 1985 Aug; 11(2):109–16 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Antithrombotic agents in necrobiosis lipoidica [letter] Bonnetblanc JM, et al. **Acta Derm Venereol (Stockh)** 1986; 66(1):90

Failure of a pure anti–platelet drug to decrease the number of attacks more than placebo in patients with Raynaud's phenomenon. Destors JM, et al. **Angiology** 1986 Aug; 37(8):565–9

Influence on lipoprotein metabolism of the platelet inhibitory drug ticlopidine. Berglund U, et al. **Atherosclerosis** 1986 Mar;59(3):241–6

Flunarizine–pizotifen single–dose double–blind cross–over trial in migraine prophylaxis. Cerbo R, et al. **Cephalalgia** 1986 Mar;6(1):15–8

Long–term low dose ticlopidine treatment in rheumatoid arthritis: effects on serum sulphydryl levels, technetium index, erythrocyte sedimentation rate, and clinical disease activity. Grimaldi MG. **Eur J Clin Pharmacol** 1985; 29(2):165–8

Pizotifen (Sanomigran) in childhood migraine. A double–blind controlled trial. Gillies D, et al. **Eur Neurol** 1986;25(1):32–5

Possible usefulness of ticlopidine in combined treatment of thrombotic thrombocytopenic purpura. Report of one case. De Pasquale A, et al. **Haematologica (Pavia)** 1986 Jan–Feb; 71(1):53–5

Prophylaxis of migraine: a comparison between naproxen sodium and pizotifen. Behan PO, et al. **Headache** 1986 May; 26(5):237–9

Flunarizine versus pizotifen: a double–blind study in the prophylaxis of migraine. Rascol A, et al. **Headache** 1986 Feb;26(2):83–5

Ticlopidine versus aspirin and dipyridamole: influence on platelet deposition and three–month patency of polytetrafluoroethylene grafts. Hansen KJ, et al. **J Vasc Surg** 1986 Aug;4(2):174–8

Long–term effect of pizotifen treatment on growth hormone levels of underweight children, including those with anorexia nervosa. Doleček R, et al. **Pharmatherapeutica** 1985;4(2):81–7

Effects of ticlopidine of platelet function in men with stable angina pectoris. Berglund U, et al. **Thromb Haemost** 1985 Dec 17;54(4):808–12

The effect of ticlopidine on platelet functions in acute myocardial infarction. A double blind controlled trial. Knudsen JB, et al. **Thromb Haemost** 1985 Jun 24; 53(3):332–6

Inhibition of platelet function by ticlopidine in arteriosclerosis obliterans of the lower limbs. Davì G, et al. **Thromb Res** 1985 Oct 15;40(2):275–81

[Evaluation of oral drugs for intermittent claudication of the legs in phase III clinical trials. Options selected for the ACT study] Destors JM, et al. **Therapie** 1985 Nov–Dec; 40(6):451–8 (Eng. Abstr.) **(Fre)**

[Treatment of vaginitis of diverse etiology with a new preparation derived from thiophene] Ranchet G, et al. **Clin Ter** 1985 Sep 15;114(5):417–23 (Eng. Abstr.) **(Ita)**

[Prevention of thrombosis of a blood vessel prosthesis using the anti–aggregation drug ticlid] Kirichenko AA, et al. **Kardiologiia** 1985 Aug;25(8):92–3 **(Rus)**

[20 patients with chronic ischemia of the legs treated with ticlopidine] Velasco A, et al. **Angiologia** 1985 Sep–Oct; 37(5):236–42 (Eng. Abstr.) **(Spa)**

TOXICITY

Effect of sulfolane on behavioral and autonomic thermoregulation in the rat. Gordon CJ, et al. **J Toxicol Environ Health** 1985;16(3–4):461–8

Caffeine potentiation of propane sultone mutagenesis in barley. Singh C, et al. **Mutat Res** 1985 Dec;144(4):239–42

Induction of chromosomal aberrations and sister chromatid exchanges by propane sultone in human lymphocytes in vitro. Kaul BL. **Toxicol Lett** 1985 Nov;28(2–3):139–42

Acute behavioral toxicity of sulfolane: influence of hypothermia. Ruppert PH, et al. **Toxicol Lett** 1985 Nov; 28(2–3):111–6

THIOPHENICOL see THIAMPHENICOL

THIOPHOSPHAMIDE see THIO–TEPA

THIOPHOSPHORIC ACID ESTERS see under ORGANOTHIOPHOSPHORUS COMPOUNDS

THIOPROPERAZINE

PHARMACODYNAMICS

[Changes in plasma prolactin and magnesium in male rats treated with thioproperazine and/or bromocriptine] Marois G, et al. **Ann Endocrinol (Paris)** 1985;46(6):399–405 (Eng. Abstr.) **(Fre)**

THIOQUINALBARBITONE see THIAMYLAL

THIOREDOXIN see under BACTERIAL PROTEINS

THIOREDOXIN REDUCTASE (NADPH) see under NADH, NADPH OXIDOREDUCTASES

THIORHODACEAE see CHROMATIACEAE

THIORIDAZINE

ADMINISTRATION & DOSAGE

Evidence that thioridazine enhances amphetamine–induced stereotypy via anticholinergic activity. Robertson A, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1986; 10(1):33–40

ADVERSE EFFECTS

Retinopathy, tardive dyskinesia, and low–dose thioridazine [letter] Ball WA, et al. **Am J Psychiatry** 1986 Feb; 143(2):256–7

Neurotoxicity induced by combined lithium–thioridazine treatment. Bailine SH, et al. **Biol Psychiatry** 1986 Jul; 21(8–9):834–7

Labile hypertension after antipsychotic drug withdrawal: a case report. Thaker GK, et al. **Biol Psychiatry** 1985 Nov; 20(11):1244–6

Tourette–like syndrome following low dose short–term neuroleptic treatment. Lal S, et al. **Can J Neurol Sci** 1986 May;13(2):125–8

Chronic central anticholinergic toxicity in manic depressive illness mimicking dementia. Moreau A, et al. **Can J Psychiatry** 1986 May;31(4):339–41

The effect of thioridazine on prolactinoma growth in a schizophrenic man: case report. Weingarten JC, et al. **Gen Hosp Psychiatry** 1985 Oct;7(4):364–6

Tics with combined thioridazine–methylphenidate therapy: case report. Casat CD, et al. **J Clin Psychiatry** 1986 Jan; 47(1):44–5

Behavioral changes following generic thioridazine [letter] Weber SS, et al. **J Clin Psychiatry** 1986 May;47(5):277–8

Tardive psychosis. Moore DP. **J Ky Med Assoc** 1986 Jul; 84(7):351–3

Encephalopathy with lithium and thioridazine in combination [letter] Cantor CH. **Med J Aust** 1986 Feb 3;144(3):164–5

Effect of bromocriptine mesylate on induced hyperprolactinemia in stabilized psychiatric outpatients undergoing neuroleptic treatment. Cohn JB, et al. **Neuropsychobiology** 1985;13(4):173–9

Thioridazine retinopathy within the upper dosage limit. Hamilton JD. **Psychosomatics** 1985 Oct;26(10):823–4

ANALOGS & DERIVATIVES

The disposition and elimination of stereoisomeric pairs of thioridazine 5–sulfoxide in the rat. Hale PW Jr, et al. **Eur J Drug Metab Pharmacokinet** 1985 Oct–Dec; 10(4):333–41

Thioridazine 5–sulfoxide diastereoisomers in serum and urine from rats and man after chronic thioridazine administration. Hale PW Jr, et al. **J Anal Toxicol** 1985 Sep–Oct; 9(5):197–201

Chromatographic separation of thioridazine sulphoxide and N–oxide diastereoisomers: identification as metabolites in the rat. Watkins GM, et al. **J Pharm Pharmacol** 1986 Jul; 38(7):506–9

ANALYSIS

Dissolution of thioridazine hydrochloride from the coprecipitate with pectin. Takahashi Y, et al. **Chem Pharm Bull (Tokyo)** 1986 Jan;34(1):327–32

High–pressure liquid chromatographic determination of thioridazine and its major metabolites in biological tissues and fluids. Allender WJ. **J Chromatogr Sci** 1985 Dec; 23(12):541–5

BLOOD

The effect of thioridazine on the Automatic Clinical Analyzer serum tricyclic anti–depressant screen. Ryder KW, et al. **Am J Clin Pathol** 1986 Aug;86(2):248–9

Concentrations of thioridazine and thioridazine metabolites in erythrocytes. Svensson C, et al. **Psychopharmacology (Berlin)** 1986;89(3):291–2

[Changes in the serum thioridazine level after administration of pridinol] Sidorowicz S, et al. **Psychiatr Pol** 1985 Sep–Oct;19(5):423–4 **(Pol)**

ISOLATION & PURIFICATION

Chromatographic separation of thioridazine sulphoxide and N–oxide diastereoisomers: identification as metabolites in the rat. Watkins GM, et al. **J Pharm Pharmacol** 1986 Jul; 38(7):506–9

METABOLISM

Thioridazine 5–sulfoxide diastereoisomers in serum and urine from rats and man after chronic thioridazine administration. Hale PW Jr, et al. **J Anal Toxicol** 1985 Sep–Oct; 9(5):197–201

PHARMACODYNAMICS

The influence of chlormethiazole in comparison to thioridazine on body temperature and postural hypotension in healthy adults and healthy elderly volunteers. McCarthy ST, et al. **Acta Psychiatr Scand [Suppl]** 1986;329:40–4

Thioridazine enhances lysosomal accumulation of epidermal growth factor and toxicity of conjugates of epidermal growth factor with Pseudomonas exotoxin. Kuratomi Y, et al. **Exp Cell Res** 1986 Feb;162(2):436–48

Circumvention of multiple–drug resistance in human cancer cells by thioridazine, trifluoperazine, and chlorpromazine. Akiyama S, et al. **JNCI** 1986 May;76(5):839–44

The effect of thioridazine on haloperidol induced behavioral hypersensitivity. Klawans HL, et al. **Life Sci** 1986 May 12;38(19):1707–14

Differential effects of thioridazine, clozapine and metoclopramide on the induction of adrenomedullary enzymes by apomorphine. Ekker M, et al. **Neuropharmacology** 1985 Nov;24(11):1063–6

[Effect of psychotropic drugs on the luteotropic function of the adenohypophysis] Boiadzhieva N. **Eksp Med Morfol** 1986;25(2):24–6 (Eng. Abstr.) **(Bul)**

POISONING

Physostigmine as an antidote for poisoning by combination of thioridazine and trihexyphenidyl. Beilin B, et al. **Br J Clin Pract** 1985 Oct;39(10):400–1

THERAPEUTIC USE

A comparison of chlormethiazole and thioridazine in agitated confusional states of the elderly. Ather SA, et al. **Acta Psychiatr Scand [Suppl]** 1986;329:81–91

Thioridazine in the treatment of endoscopically proven duodenal ulcer disease [letter] Shrivastava RK, et al. **Am J Psychiatry** 1986 Jul;143(7):940

Prophylactic effects of neuroleptics in symptom-free schizophrenics: roles of dopaminergic and noradrenergic blockers. Nishikawa T, et al. **Biol Psychiatry** 1985 Nov; 20(11):1161–6

The effect of propranolol and thioridazine on positive and negative symptoms of schizophrenia. Eccleston D, et al. **Br J Psychiatry** 1985 Dec;147:623–30

Critical evaluation of thioridazine bioequivalence. Barone JA, et al. **Drug Intell Clin Pharm** 1985 Nov;19(11):847–58 (43 ref.)

Comment: Thioridazine bioequivalence [letter] Meyer HM Jr. **Drug Intell Clin Pharm** 1986 Apr;20(4):311–2

Haloperidol versus thioridazine in the treatment of behavioral symptoms in senile dementia of the Alzheimer's type: preliminary findings. Steele C, et al. **J Clin Psychiatry** 1986 Jun;47(6):310–2

Mesoridazine and thioridazine: clinical effects and blood levels in refractory schizophrenics. Vital-Herne J, et al. **J Clin Psychiatry** 1986 Jul;47(7):375–9

[Changes in the wave composition of evoked potentials during treatment of endogenous depression] Loginov VV, et al. **Zh Nevropatol Psikhiatr** 1986;86(3):431–5 (Eng. Abstr.) **(Rus)**

THIOSEMICARBAZONES

Spectrophotometric determination of iron in wines, foods, and minerals with 5,5-dimethyl-1,2,3-cyclohexanetrione 1,2-dioxime 3-thiosemicarbazone. Salinas F, et al. **Anal Chem** 1986 Apr;58(4):824–7

[Development of neutral and bifunctional radiopharmaceuticals using 62Cu-dithiosemicarbazone (DTS) chelate—basic studies on 64Cu chelates] Yokoyama A, et al. **Radioisotopes** 1986 May;35(5):249–55 (Eng. Abstr.) **(Jpn)**

CHEMICAL SYNTHESIS

2-Acetylpyridine thiosemicarbazones. 12. Derivatives of 3-acetylisoquinoline as potential antimalarial agents. Klayman DL, et al. **Arzneimittelforschung** 1986;36(1):10–3

Synthesis and evaluation of a new bifunctional chelating agent for 99mTc labeling proteins: p-carboxyethylphenylglyoxal-di(N-methylthiosemicarbazone). Arano Y, et al. **Int J Nucl Med Biol** 1986;12(6):425–30

In the procurement of a neutral and compact monomeric complex of dithiosemicarbazone (DTS) derivative: 99mTc-KTS. Hosotani T, et al. **Int J Nucl Med Biol** 1986; 12(6):431–7

[The synthesis and biologic activity of analogs of 1,4-benzoquinone-guanylhydrazone-thiosemicarbazone. 2. Substitution at the quinone ring by alkyl groups] Schulze W, et al. **Pharmazie** 1986 Feb;41(2):99–101 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Immune response in vaccinia virus infected mice treated with N,N'-bis/methylisatin-beta-thiosemicarbazone/-2-methylpiperazine. Zgórniak-Nowosielska I, et al. **Arch Immunol Ther Exp (Warsz)** 1985;33(6):769–76

METABOLISM

Reaction of 3-ethoxy-2-oxobutyraldehyde bis(thiosemicarbazonato) Cu(II) with Ehrlich cells. Binding of copper to metallothionein and its relationship to zinc metabolism and cell proliferation. Kraker A, et al. **J Biol Chem** 1985 Nov 5;260(25):13710–8

PHARMACODYNAMICS

Inhibition of vaccinia virus replication in RK-13 cells by N,N'-bis(methylisatin-beta-thiosemicarbazone)-2-methylpiperazine. Bańkowski A, et al. **Acta Virol (Praha)** 1986 May;30(3):192–8

Thiosemicarbazones of 2-acetylpyridine, 2-acetylquinoline, 1-acetylisoquinoline, and related compounds as inhibitors of herpes simplex virus in vitro and in a cutaneous herpes guinea pig model. Shipman C Jr, et al. **Antiviral Res** 1986 Jul;6(4):197–222

Selective inhibition of herpes simplex virus ribonucleoside diphosphate reductase by derivatives of 2-acetylpyridine thiosemicarbazone. Turk SR, et al. **Biochem Pharmacol** 1986 May 1;35(9):1539–45

Antibacterial properties of 2-acetylpyridine-1-oxide thiosemicarbazones. Dobek AS, et al. **Chemotherapy** 1986; 32(1):25–30

Substituted benzaldehyde thiosemicarbazone with antiviral activity against poliovirus. Andrei GM, et al. **Drugs Exp Clin Res** 1985;11(12):869–73

Structure-activity relationships among alpha-(N)-heterocyclic acyl thiosemicarbazones and related compounds as inhibitors of herpes simplex virus type 1-specified ribonucleoside diphosphate reductase. Turk SR, et al. **J Gen Virol** 1986 Aug;67 (Pt 8):1625–32

Inhibitory effects of pyruvic acid semi- and thiosemicarbazones on the growth of bacteria, yeasts, experimental tumours and plant cells. Grancharov K, et al. **Pharmazie** 1985 Aug;40(8):574–5

[Inhibitory effect of tai-ding-an on DNA and protein synthesis of herpes simplex virus type 2 (HSV-2)] Yin MB. **Chung Hua I Hsueh Tsa Chih** 1985 Oct;65(10):587–9 (Eng. Abstr.) **(Chi)**

THERAPEUTIC USE

[Methisazone in the treatment of lichen ruber plabus] Sergeev SIa, et al. **Vestn Dermatol Venerol** 1986;(3):63–4 (Eng. Abstr.) **(Rus)**

THIOSTREPTON see under **ANTIBIOTICS**

THIOSULFATE SULFURTRANSFERASE see under **SULFURTRANSFERASES**

THIOSULFATES

ADMINISTRATION & DOSAGE

Hypotensive efficacy of a mixed solution of 0.1% sodium nitroprusside and 1% sodium thiosulphate. Schulz V, et al. **J Hypertens** 1985 Oct;3(5):485–9

"Two-route chemotherapy" using high-dose intra-arterial cis-diamminedichloroplatinum (II) and systemic sodium thiosulfate, its antidote, for rat limb tumor. Iwamoto Y. **Nippon Seikeigeka Gakkai Zasshi** 1985 Aug;59(8):865–71

[Therapy of peritoneal carcinosis with intraperitoneal administration of cis-diamminedichloroplatinum and systemic sodium thiosulfate protection. Clinical results of a pilot study and pharmacokinetics] Ehninger G, et al. **Onkologie** 1985 Aug;8(4):202–6 (Eng. Abstr.) **(Ger)**

[Systemic chemotherapy with high-dose cisplatin and sodium thiosulfate rescue] Lee K, et al. **Gan To Kagaku Ryoho** 1985 Dec;12(12):2391–4 (Eng. Abstr.) **(Jpn)**

[Systemic chemotherapy with cisplatin and sodium thiosulfate (STS) rescue—its effect on the antitumor activity of cisplatin and the total platinum concentration in tumor bearing nude mice] Lee KE, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Apr 20;21(3):601–8 (Eng. Abstr.) **(Jpn)**

[Experimental chemotherapy with super-high dose cisplatin and sodium thiosulfate (STS) rescue: its effect on survival and nephrotoxicity in mice] Lee K. **Nippon Hinyokika Gakkai Zasshi** 1985 Jun;76(6):895–903 (Eng. Abstr.) **(Jpn)**

[An experimental study of cisplatin and it's antidote, sodium thiosulfate, in ovarian pseudomyxoma implanted into nude mice abdominal cavity] Miyahara K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Jul; 38(7):1066–70 (Eng. Abstr.) **(Jpn)**

METABOLISM

Oxidation of thiosulphate and sulphite by Thiobacillus neapolitanus. Sklodowska A. **Acta Microbiol Pol** 1985; 34(3-4):271–6

Interaction of cisplatin and carboplatin with sodium thiosulfate: reaction rates and protein binding. Elferink F, et al. **Clin Chem** 1986 Apr;32(4):641–5

Utilization by sheep of whole shelled corn impregnated with urea, calcium, potassium and sulfur. Koeln LL, et al. **J Anim Sci** 1985 Aug;61(2):495–503

[Pharmacokinetic study of cisplatin and sodium thiosulfate in two-route-infusion chemotherapy] Ikeda K. **Gan To Kagaku Ryoho** 1986 Apr;13(4 Pt 1):1026–31 (Eng. Abstr.) **(Jpn)**

[Pharmacokinetics of cisplatinum (CDDP) and sodium thiosulphate (STS) of intraperitoneal two channel chemotherapy (ip TCC) in man and mongrel dogs] Hatae M. **Nippon Gan Chiryo Gakkai Shi** 1986 Apr 20; 21(3):609–20 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Inactivation of cis-diamminedichloroplatinum (II) in blood and protection of its toxicity by sodium thiosulfate in rabbits. Iwamoto Y, et al. **Cancer Chemother Pharmacol** 1985;15(3):228–32

Plaque enhancement effect of sodium thiosulfate for foot-and-mouth disease viruses. Kadoi K. **Microbiologica** 1986 Apr;9(2):151–62

THERAPEUTIC USE

Upper hemibody infusion of cis-diamminedichloroplatinum (II) followed by systemic antidote, sodium thiosulfate, for lung metastasis in rats. Iwamoto Y, et al. **Clin Exp Metastasis** 1984 Jul-Sep;2(3):261–70

Nephrotoxicity of high-dose intracavitary cisplatin with intravenous thiosulfate protection. Markman M, et al. **Eur J Cancer Clin Oncol** 1985 Sep;21(9):1015–8

Methyl isocyanate: thiosulphate does not protect [letter] Nemery B, et al. **Lancet** 1985 Nov 30;2(8466):1245–6

Antagonism of cyanide poisoning by chlorpromazine and sodium thiosulfate. Pettersen JC, et al. **Toxicol Appl Pharmacol** 1985 Nov;81(2):265–73

[Effective treatment of peritoneal carcinosis by intraperitoneal cis-diamminedichloroplatinum (c-DDP) administration with systemic sodium thiosulfate protection. Clinical results and pharmacokinetics] Rückle H, et al. **Klin Wochenschr** 1986 May 15;64(10):467–74 (Eng. Abstr.) **(Ger)**

[Double channel chemotherapy with intra-arterial infusion of DDP and concurrent intra-venous infusion of sodium thiosulfate (STS) in bladder cancer] Sekine H, et al. **Hinyokika Kiyo** 1986 Jan;32(1):43–8 (Eng. Abstr.) **(Jpn)**

[Role of antioxidant therapy in the complex treatment of patients with pulmonary tuberculosis associated with diabetes mellitus] Kravtsova IV. **Probl Tuberk** 1985; (7):33–7 (Eng. Abstr.) **(Rus)**

THIOSULPONIC ACIDS see under **SULFONIC ACIDS**

THIOSULFURIC ACID ESTERS see under **SULFURIC ACIDS**

THIOTEPA see **THIO-TEPA**

THIOTHIXENE

ADMINISTRATION & DOSAGE

Borderline and schizotypal personality disorders treated with low-dose thiothixene vs placebo. Goldberg SC, et al. **Arch Gen Psychiatry** 1986 Jul;43(7):680–6

Rapid tranquilization: a comparison of thiothixene with loxapine. Dubin WR, et al. **J Clin Psychiatry** 1986 Jun; 47(6):294–7

ADVERSE EFFECTS

Neuroleptic therapy following neuroleptic malignant syndrome. Pelonero AL, et al. **Psychosomatics** 1985 Dec; 26(12):946–7

THIOURACIL

ANALOGS & DERIVATIVES

Synthesis of 6-anilino-2-thiouracils and their inhibition of human placenta iodothyronine deiodinase. Nogimori T, et al. **J Med Chem** 1985 Nov;28(11):1692–4

Iodothiouracil as a melanoma localizing agent. Coderre JA, et al. **J Nucl Med** 1986 Jul;27(7):1157–64

Uptake of 123I-5-iodo-2-thiouracil, a possible radiopharmaceutical for noninvasive detection of ocular melanoma, in melanotic and amelanotic melanomas in hamsters. Franken NA, et al. **Nucl Med Commun** 1985 Oct; 6(10):657–63

PHARMACODYNAMICS

Effect of thiouracil-induced hypothyroidism on the humoral immunity of New Hampshire chickens. Scott T, et al. **Poult Sci** 1985 Nov;64(11):2211–7

THIOUREA

ADVERSE EFFECTS

[Functional status of the thyroid glands of persons employed in the production of thiourea] Talakin IuN, et al. **Gig Tr Prof Zabol** 1985 Sep;(9):50–1 **(Rus)**

ANALOGS & DERIVATIVES

Oxygen radical-mediated lung damage associated with alpha-naphthylthiourea. Martin D, et al. **Acta Physiol Scand [Suppl]** 1986;548:119–25

A fluorogenic, mixed-disulfide reagent for thiol assay. Willis KJ, et al. **Anal Biochem** 1986 Mar;153(2):336–47

Orthogonal arrays of particles in the gastric parietal cell of the rat: differences between superficial and basal cells in the gland and after pentagastrin or metiamide treatment. Bordi C, et al. **Anat Rec** 1986 May;215(1):28–34

S-aryl(tetramethyl)isothiouronium salts as possible antimicrobial agents, I. Di Bella M, et al. **Arch Pharm (Weinheim)** 1986 May;319(5):451–6

Isothiouronium compounds as gamma-aminobutyric acid agonists. Allan RD, et al. **Br J Pharmacol** 1986 Jun; 88(2):379–87

Contact dermatitis to dibutylthiourea in swimming goggles. Alomar A, et al. **Contact Dermatitis** 1985 Nov;13(5):348–9

Studies on the mechanism of decreased angiotensin I conversion in rat lungs injured with alpha-naphthylthiourea. O'Brien RF, et al. **Exp Lung Res** 1985;8(4):243–59

Effect of methallibure on gestation in the guppy, Poecilia reticulata. Lam TJ, et al. **Gen Comp Endocrinol** 1985 Nov; 60(2):315–23

Effect of whole body irradiation on urinary 5-HT metabolites

under the influence of newly synthesized chemical radioprotector. Thakur DK. **Indian J Med Sci** 1985 Oct; 39(10):236–9

Radioprotective effect of S.P. ethoxy formemidine isopropyl–N–(H–morphino) isothimide dihydrochloride in albino rats. Thakur DK. **Indian J Med Sci** 1985 Oct; 39(10):231–5

Decrease in adherence of bacteria and yeasts to human mucosal epithelial cells by noxythiolin in vitro. Gorman SP, et al. **J Appl Bacteriol** 1986 Apr;60(4):311–7

Inhibition of hyphal development and kill of Candida albicans blastospores by noxythiolin in vitro. Gorman SP, et al. **J Appl Bacteriol** 1986 Apr;60(4):319–25

Dimethylthiourea decreases acute lung edema in phorbol myristate acetate–treated rabbits. Jackson JH, et al. **J Appl Physiol** 1986 Jul;61(1):353–60

Dimethylthiourea consumption reflects H2O2 concentrations and severity of acute lung injury. Jackson JH, et al. **J Appl Physiol** 1985 Dec;59(6):1995–8

An investigation of the in vitro anti–bacterial activity of noxythiolin against 1,000 pathogenic bacterial isolates. Ashley KC, et al. **J Clin Hosp Pharm** 1986 Apr; 11(2):95–100

Hydrogen peroxide causes dimethylthiourea consumption while hydroxyl radical causes dimethyl sulfoxide consumption in vitro. Parker NB, et al. **J Free Radic Biol Med** 1985;1(5–6):415–9

Dimethylthiourea inhibition of melanoma cell growth in vitro and in vivo. Nordenberg J, et al. **JNCI** 1985 Nov; 75(5):891–5

Antagonism of hypotensive and bradycardic effects of centrally administered guanfacine by metiamide in anesthetized rabbits. Otorii T, et al. **Jpn Heart J** 1985 Jul; 26(4):577–84

Antagonism of dithiobiuret toxicity in rats. Williams KD, et al. **Neurotoxicology** 1986 Spring;7(1):33–49

Effect of pulmonary oedema induced by alpha–naphthylthiourea on synthesis of cyclo–oxygenase products in rat isolated lungs. Pankhania JJ, et al. **Prostaglandins** 1985 Jul;30(1):37–49

The role of metabolism in N–methylthiobenzamide–induced pneumotoxicity. Penney DA, et al. **Toxicol Appl Pharmacol** 1985 May;78(3):323–31

Effects of 2,4–dithiobiuret treatment in rats on cholinergic function and metabolism of the extensor digitorum longus muscle. Weiler MH, et al. **Toxicol Appl Pharmacol** 1986 Jun 30;84(2):220–31

[Noxyflex S in the prevention and therapy of intra–abdominal inflammatory complications] Vyhnánek F, et al. **Rozhl Chir** 1986 May;65(5):357–63 (Eng. Abstr.) **(Cze)**

[Possibilities of pharmacologic correction of Na, K–ATPase activity in the spinal cord in botulism] Chesnokova NP, et al. **Biull Eksp Biol Med** 1985 Oct;100(10):442–4 (Eng. Abstr.) **(Rus)**

[Corrective effect of gutimine on the body in hypoxia] Boiarinov GA, et al. **Farmakol Toksikol** 1986 Mar–Apr; 49(2):91–101 (177 ref.) **(Rus)**

[Prevention of functional and metabolic cardiac disorders in acute blood loss with gutimin] Dolgikh VT. **Patol Fiziol Eksp Ter** 1986 May–Jun;(3):23–7 (Eng. Abstr.) **(Rus)**

[Effect of isothiuronium alkylamidines and adeturon on the activity of lactate dehydrogenase and its isoenzymes in rat blood serum and organs] Tenchova VB, et al. **Radiobiologiia** 1986 Jan–Feb;26(1):65–9 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

S–aryl(tetramethyl)isothiouronium salts as possible antimicrobial agents, I. Di Bella M, et al. **Arch Pharm (Weinheim)** 1986 May;319(5):451–6

ISOLATION & PURIFICATION

High–pressure liquid chromatography separation of phenobarbitone, thiourea, and thioacetamide of toxicological interest. Akintonwa DA. **Ecotoxicol Environ Safety** 1985 Oct;10(2):145–9

PHARMACODYNAMICS

Effect of thiourea on the testicular steroidogenesis and secondary sexual characters of a tropical freshwater fish, Mystus (M) vittatus (Bloch). Misra M, et al. **Ann Endocrinol (Paris)** 1985;46(6):421–5

TOXICITY

Thiourea induces DNA repair synthesis in primary rat hepatocyte cultures and gene mutations in V79 Chinese hamster cells. Ziegler–Skylakakis K, et al. **Arch Toxicol** 1985 Oct;58(1):5–9

[Basis for the maximum allowable concentration of thiourea in the air of the work zone] Talakin IuN, et al. **Gig Tr Prof Zabol** 1986 Mar;(3):42–3 **(Rus)**

[Use of the method of liver perfusion in the study of the toxic properties of thiourea] Talakin IuN, et al. **Gig Tr Prof Zabol** 1986 Jul;(7):52–4 **(Rus)**

THIOURIDINE

ANALOGS & DERIVATIVES

Two tRNAIle1 species from an extreme thermophile, Thermus thermophilus HB8: effect of 2–thiolation of ribothymidine on the thermostability of tRNA. Horie N, et al. **Biochemistry** 1985 Oct 8;24(21):5711–5

THIOXANTHENES

ADMINISTRATION & DOSAGE

Local toxicity of different drugs after intramuscular or intralipomatous injection in pigs: serum concentrations after three different formulations of cis(Z)–clopenthixol. Svendsen O, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Aug;57(2):78–87

Imipramine–flupenthixol decanoate interaction. Cook PE, et al. **Can J Psychiatry** 1986 Apr;31(3):235–7

Some observations on low dose flupenthixol for affective illness [letter] Merskey H. **Can J Psychiatry** 1986 Jun; 31(5):485

[Dose and serum drug level and its clinical effects during the long–term treatment of chronic schizophrenia with flupenthixol depot] Lipska B, et al. **Psychiatr Pol** 1986 Jan–Feb;20(1):1–7 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Schizophrenic relapse after drug withdrawal is predictable. Dencker SJ, et al. **Acta Psychiatr Scand** 1986 Feb; 73(2):181–5

Neuroleptic malignant syndrome associated with inappropriate antidiuresis and psychogenic polydipsia. Tomson CR. **Br Med J [Clin Res]** 1986 Jan 18; 292(6514):171

Withdrawal reactions from oral flupenthixol [letter] Manchanda R. **J Clin Psychopharmacol** 1985 Oct; 5(5):309–11

BLOOD

LC/MS determination of bromazepam, clopenthixol, and reserpine in serum of a non–fatal case of intoxication. Tas AC, et al. **J Anal Toxicol** 1986 Mar–Apr;10(2):46–8

Plasma flupentixol concentrations and clinical response in acute schizophrenia. Balant–Gorgia AE, et al. **Ther Drug Monit** 1985;7(4):411–4

METABOLISM

Investigation of hycanthone binding to DNA in chromatin with different supra–organization, composition, and function. Simoni IC, et al. **Acta Histochem (Jena)** 1986; 79(1):97–105

Specific [3H]piflutixol binding to CHAPS–solubilised rat striatal preparations involves dopamine D–2 but not D–1 binding sites. Kilpatrick GJ, et al. **J Neurochem** 1986 Feb; 46(2):413–21

PHARMACODYNAMICS

In vitro modulation of human neutrophil chemotaxis by cis(Z)– and trans(E)–clopenthixol, and chlorpromazine. Rechnitzer C, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1985 Oct; 93(5):199–203

Effects of hycanthone on the neuromuscular transmission. Enomoto K, et al. **Eur J Pharmacol** 1985 Oct 8; 116(1–2):81–8

Antimuscarinic activities of hycanthone analogs: possible relationship with animal toxicity. Gordon RK, et al. **J Pharmacol Exp Ther** 1986 Jan;236(1):85–9

[Subjective findings in emotionally stable and labile subjects following oral application of flupenthixol in small doses] Stieglitz RD, et al. **Arzneimittelforschung** 1986 May; 36(5):850–4 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Open multicentre trial of zuclopenthixol in mania and schizophrenia based on the AMDP scales. Bobon D, et al. **Acta Psychiatr Belg** 1986 Mar–Apr;86(2):152–76

Use of lithium and flupenthixol in a patient with pervasive developmental disorder [letter] Shafey H. **Am J Psychiatry** 1986 May;143(5):681

The effect of repeated targeted mass treatment on the prevalence of schistosomiasis mansoni and the intensity of infection in Machakos, Kenya. Ouma JH, et al. **Ann Trop Med Parasitol** 1985 Aug;79(4):431–8

Use of lithium and flupenthixol in a patient with pervasive developmental disorder [letter] Shafey H. **J Am Acad Child Psychiatry** 1986 Jan;25(1):137–8

A comparative trial of depot pipothiazine. Steinert J, et al. **J Int Med Res** 1986;14(2):72–7

Flupenthixol decanoate (fluanxol depot) in the treatment of chronic schizophrenic patients. Haider I. **JPMA** 1985 Sep; 35(9):286–9

A double–blind comparison of once–daily flupenthixol and mianserin in depressed hospital out–patients. Majid I. **Pharmatherapeutica** 1986;4(7):405–10

A clinical assessment of zuclopenthixol dihydrochloride (Clopixol tablets) in the treatment of psychotic illness. Mann BS, et al. **Pharmatherapeutica** 1985;4(6):387–92

Psychosomatic disorders in general practice: comparisons of treatment with flupenthixol, diazepam and sulpiride. Meyers C, et al. **Pharmatherapeutica** 1985;4(4):244–50

Zuclopenthixol decanoate in schizophrenia: serum levels and clinical state. Jørgensen A, et al. **Psychopharmacology (Berlin)** 1985;87(3):364–7

Serum levels and clinical response in long–term pharmacotherapy with zuclopenthixol decanoate. Szukalski B, et al. **Psychopharmacology (Berlin)** 1986;89(4):428–31

Flupenthixol decanoate and fluphenazine decanoate in chronic schizophrenia. Kong DS, et al. **Singapore Med J** 1985 Dec;26(7):551–5

Deanxit in the treatment of aphthous ulceration. Yaacob H, et al. **Singapore Med J** 1985 Aug–Sep;26(4–5):343–5

[Treatment of depressive disorders. Clinical evaluation of the relative effectiveness of flupenthixol in comparison with bromazepam] Paulmann F. **Fortschr Med** 1986 Mar 13; 104(10):218–22 (Eng. Abstr.) **(Ger)**

[Monitored supportive treatment of chronic schizophrenia with delayed–action clopenthixol] Welbel L, et al. **Psychiatr Pol** 1985 Mar–Apr;19(2):109–14 (Eng. Abstr.) **(Pol)**

TOXICITY

Hycanthone: an unresolved case study in risk assessment. de Serres FJ. **Mutat Res** 1986 Aug;164(4):199–201

THIRAM see under **THIOCARBAMATES**

THIRD PARTY PAYMENTS see **INSURANCE, HEALTH, REIMBURSEMENT**

THIRST

see related
DEHYDRATION
WATER DEPRIVATION

Essential hypernatremia: disordered thirst and blood pressure control. Brown MA, et al. **Aust NZ J Med** 1985 Dec; 15(6):751–4

Diurnal variation of urinary excretion for patients with psychosis, intermittent hyponatremia, and polydipsia (PIP syndrome). Vieweg WV, et al. **Biol Psychiatry** 1986 Sep; 21(11):1031–42

Recurrent pregnancy–induced polyuria and thirst due to hypothalamic diabetes insipidus: an investigation into possible mechanisms responsible for polyuria. Baylis PH, et al. **Clin Endocrinol (Oxf)** 1986 Apr;24(4):459–66

Adipsic hypernatremia in a patient with pseudotumor cerebri and the primary empty sella syndrome. Verdin E, et al. **J Endocrinol Invest** 1985 Aug;8(4):369–72

Unilateral substantia nigra lesions and schedule–induced polydipsia. Mittleman G, et al. **Physiol Behav** 1986; 36(3):437–40

Cold water polydipsia: unheralded marker of spontaneous esophageal rupture. Ward WG. **South Med J** 1986 Sep; 79(9):1161–2

[A case of polyuria–polydipsia syndrome with circulating immune complex treated with plasma exchange] Mileto G, et al. **Minerva Urol Nefrol** 1985 Jul–Sep;37(3):265–8 (Eng. Abstr.) **(Ita)**

[Neurogenic hypernatremia with adipsia and cerebral malformations in a child with ectrodactyly–ectodermal dysplasia–cleft lip–palate syndrome] Ronconi GF, et al. **Pediatr Med Chir** 1985 Nov–Dec;7(6):893–7 (Eng. Abstr.) **(Ita)**

[Pathophysiology and diagnosis of polyuria–polydipsia syndrome] Balabolkin MI, et al. **Sov Med** 1985;(6):41–6 **(Rus)**

[Adipsic hypernatremia: contribution of a new case (letter)] Estopiñán V, et al. **Rev Clin Esp** 1986 Jun;179(2):103–4 **(Spa)**

[Adipsic hypernatremia: apropos of a case] Romero Fortúnez C, et al. **Rev Clin Esp** 1985 Sep;177(4):187–90 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Naloxone antagonizes the hyperdipsic effect of sulpiride in a salt–preference test in male and female rats. Gilbert DB, et al. **Neuropharmacology** 1986 Jul;25(7):743–7

PHYSIOLOGY

The role of gastric mechanoreceptor function in the regulation of behaviour patterns induced with thirst or hunger in rats. Zajac M, et al. **Acta Physiol Pol** 1985 Mar–Apr;36(2):85–91

Volume influences on thirst and vasopressin secretion in dehydrated sheep. Park RG, et al. **Am J Physiol** 1986 Sep; 251(3 Pt 2):R621–6

Post–training brain catecholamine levels: lack of response to water–motivated training. Gold PE, et al. **Behav Neural Biol** 1985 Nov;44(3):425–33

Cerebral renin–angiotensin mediation of isoproterenol–induced thirst in the dog. Kucharczyk J. **Eur J Pharmacol** 1986 May 27;124(3):213–20

Role of angiotensin II in the pathogenesis of hyperdipsia in chronic renal failure. Yamamoto T, et al. **JAMA** 1986 Aug 1;256(5):604–8

Hypodipsic hypernatremia with normal osmoregulation of vasopressin. Hammond DN, et al. **N Engl J Med** 1986 Aug 14;315(7):433–6

Hungry, but not thirsty, rats prefer flavors paired with ethanol. Deems DA, et al. **Physiol Behav** 1986 Jan; 36(1):141–4

Schedule–induced polydipsia: another look at water–intake volume regulation. Porter JH. **Physiol Behav** 1985 Aug;

35(2):221–7
Atrial natriuretic factor inhibits dehydration– and angiotensin II–induced water intake in the conscious, unrestrained rat. Antunes–Rodrigues J, et al. **Proc Natl Acad Sci USA** 1985 Dec;82(24):8720–3
Voluntary ethanol consumption in the absence of hunger and thirst drives. Iso H. **Psychopharmacology (Berlin)** 1986; 88(1):101–4
[A case of essential hypernatremia presumably caused by partial diabetes insipidus, upward resetting of the osmostat and hypodipsia] Inoue M, et al. **Nippon Naika Gakkai Zasshi** 1985 Dec;74(12):1699–703 **(Jpn)**

THOMSEN'S DISEASE see **MYOTONIA CONGENITA**

THORACIC ARTERIES

Arterial pressure monitoring during internal mammary artery harvesting [letter] Nicolson SC, et al. **Anesth Analg** 1986 Jul;65(7):821
Occlusion of left internal mammary artery with intra–aortic balloon: clinical implications. Rodigas PC, et al. **J Thorac Cardiovasc Surg** 1986 Jan;91(1):142–3
[Catheter embolization of the thoracic arteries in the treatment of lung hemorrhage] Klamut M, et al. **ROFO** 1985 Dec;143(6):645–50 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Value of ultrasound in localizing the internal mammary vessels. Bruneton JN, et al. **Eur J Radiol** 1986 May; 6(2):142–4

CYTOLOGY

Discontinuities in the internal elastic lamina: a comparison of coronary and internal mammary arteries. Sims FH. **Artery** 1985;13(3):127–43

METABOLISM

Human internal mammary artery produces more prostacyclin than saphenous vein. Chaikhouni A, et al. **J Thorac Cardiovasc Surg** 1986 Jul;92(1):88–91
Prostacyclin production by internal mammary artery as a factor in coronary artery bypass grafts. Subramanian VA, et al. **Surgery** 1986 Aug;100(2):376–83

PHYSIOLOGY

Flow capacity of the canine internal mammary artery. Lee CN, et al. **J Thorac Cardiovasc Surg** 1986 Mar;91(3):405–10

RADIOGRAPHY

[Simplification of selective internal mammary arteriography by the "ITM catheter"]Yamawaki Y, et al. **Rinsho Hoshasen** 1985 Aug;30(8):941–2 (Eng. Abstr.) **(Jpn)**

SURGERY

Loss of radial artery pressure trace during internal mammary artery dissection for coronary artery bypass graft surgery. Kinzer JB, et al. **Anesth Analg** 1985 Nov;64(11):1134–6
No dissection of left internal mammary artery pedicle [letter] Begelman KM. **Ann Thorac Surg** 1986 Apr;41(4):464
Maximizing mammary artery length [letter] Singh RN, et al. **Ann Thorac Surg** 1986 Apr;41(4):463–4
Use of the internal mammary artery for preservation of circulation to the left arm after subclavian flap aortoplasty in correction of coarctation in children. Fournier A, et al. **J Thorac Cardiovasc Surg** 1985 Dec;90(6):926–8
[Features of the structures of the microcirculatory bed of the pericardium of the dog after ligation of the internal mammary arteries] Iuldashev IIu. **Grudn Khir** 1986 Jan–Feb;(1):28–32 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

Percutaneous transluminal angioplasty of an internal mammary graft in homozygous familial hypercholesterolemia. Forman MB, et al. **Am Heart J** 1986 May;111(5):982–4
Surgical repair of coarctation of the aorta using the internal mammary artery as a free autogenous graft. Campalani G, et al. **J Thorac Cardiovasc Surg** 1985 Dec;90(6):928–31
Expanding the use of the internal mammary artery to improve patency in coronary artery bypass grafting. Tector AJ, et al. **J Thorac Cardiovasc Surg** 1986 Jan;91(1):9–16
IMA—a preferred conduit. Idbeis B, et al. **Kans Med** 1986 Apr;87(4):98, 117
Distal internal mammary artery (IMA) with retrograde flow for coronary artery grafting. Livi U, et al. **Thorac Cardiovasc Surg** 1986 Jun;34(3):204–6
[The internal mammary artery in myocardial revascularization] Gallotti R, et al. **G Ital Cardiol** 1986 Jan; 16(1):71–6 (Eng. Abstr.) **(Ita)**
[Early results of internal mammary artery graft in coronary bypass surgery] Suma H, et al. **Kyobu Geka** 1986 Jun; 39(6):461–5 (Eng. Abstr.) **(Jpn)**

THORACIC DISEASES

Risk–benefit analysis in chest medicine. A new feature [editorial] Robin ED, et al. **Chest** 1986 Feb;89(2):163–4

COMPLICATIONS

Acute thoracic inlet obstruction in achalasia with adenoid cystic and squamous cell carcinoma. Sigurgeirsson B, et al. **Ann Thorac Surg** 1985 Nov;40(5):516–8

DIAGNOSIS

Magnetic resonance imaging of the chest. Initial experience. Ross JS, et al. **Cleve Clin Q** 1985 Winter;52(4):533–9
Magnetic resonance imaging of the pediatric thorax: initial experience. Laurin S, et al. **Eur J Radiol** 1986 Feb; 6(1):36–41
The opaque right hemithorax: identifying the diaphragm with ultrasound. Bedi DG, et al. **Tex Med** 1985 Dec;81(12):37–42
[Evaluation of ultrasonography in the diagnosis of intrathoracic mass lesions: an analysis of 82 pathologically proved cases] Liu R. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Apr;20(2):75–8 (Eng. Abstr.) **(Chi)**
[Thoracic hyperostoses. Description, nosology, etiology] Béraneck L, et al. **Rev Rhum Mal Osteoartic** 1985 Jun; 52(6):427–30 (Eng. Abstr.) **(Fre)**
[Potentialities and limitations of sonographic diagnosis of the chest in childhood] Schneider K, et al. **ROFO** 1986 May; 144(5):546–51 (Eng. Abstr.) **(Ger)**
[Mondor's phlebitis. Description of a case in a young man] Coppola V, et al. **Radiol Med (Torino)** 1985 Jul–Aug; 71(7–8):536–7 **(Ita)**
[Differential diagnosis of diseases of the intrathoracic lymph nodes] Egorova GV, et al. **Probl Tuberk** 1986;(4):23–6 (Eng. Abstr.) **(Rus)**

ETIOLOGY

How shall we then practice? [letter] Santos GH. **Ann Thorac Surg** 1986 May;41(5):584
Aspergillus flavus: an unusual cause of chest wall inflammation in an immunocompetent host. Jordan JM, et al. **J Rheumatol** 1986 Jun;13(3):660–2
Surgical management of the radiated chest wall. Arnold PG, et al. **Plast Reconstr Surg** 1986 Apr;77(4):605–12
[Intrathoracic complications of amebic abscess of the liver] Ryndin VD, et al. **Grudn Khir** 1986 Jan–Feb;(1):45–8 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Thoracic actinomycosis [letter] Bhardwaj G, et al. **Indian Pediatr** 1986 Jan;23(1):69–70

PATHOLOGY

[Indications for surgical biopsy in thoracic manifestations of the acquired immunodeficiency syndrome] Kitzis M. **Presse Med** 1986 May 10;15(19):865–6 **(Fre)**

RADIOGRAPHY

Improved chest disease detection with scanning equalization radiography. Wandtke JC, et al. **AJR** 1985 Nov; 145(5):979–83
Thoracic actinomycosis in childhood. Golden N, et al. **Clin Pediatr (Phila)** 1985 Nov;24(11):646–50
Bronchogenic cysts in children. DuMontier C, et al. **Clin Radiol** 1985 Jul;36(4):431–6
Chest computed tomography in children. Effmann EL, et al. **Pediatr Clin North Am** 1985 Dec;32(6):1383–96 (25 ref.)
Radiologic aspects of intrathoracic sarcoidosis. Berkmen YM. **Semin Roentgenol** 1985 Oct;20(4):356–75
[CT of the chest and abdomen] Tschäppeler H. **Monatsschr Kinderheilkd** 1986 Jun;134(6):349–52 (Eng. Abstr.) **(Ger)**

SURGERY

Thoracic surgical problems in infancy and childhood. Ryckman FC, et al. **Surg Clin North Am** 1985 Dec; 65(6):1423–54 (125 ref.)
An approach to repair of radiation necrosis of chest wall and mammary gland. Sando W, et al. **World J Surg** 1986 Apr;10(2):206–19 (86 ref.)
[Clinical experience with fibrin gluing in general and thoracic surgery] Waclawiczek HW, et al. **Zentralbl Chir** 1986; 111(1):16–24 (Eng. Abstr.) **(Ger)**

THERAPY

Earthquake: its consequences in the care of chest diseases in Mexico [editorial] Kuthy–Porter J. **Chest** 1986 Jul; 90(1):119
[Respiration and immune reactivity of patients with intrathoracic sarcoidosis after using hemosorption] Solodkovskil ML. **Vrach Delo** 1986 Jul;(7):27–30 (Eng. Abstr.) **(Rus)**

VETERINARY

Evaluation of pleural fluid in the diagnosis of thoracic disease in the horse. Bennett DG. **J Am Vet Med Assoc** 1986 Apr 15;188(8):814–5
Diseases of the thorax. Rantanen NW. **Vet Clin North Am [Equine Pract]** 1986 Apr;2(1):49–66
[Internal medicine roentgen diagnosis in the dog (1)] Hartung K. **Tierarztl Prax** 1985;13(4):551–7 (Eng. Abstr.) **(Ger)**

THORACIC DUCT

Separate thoracic and abdominal lymph flow in the dog. Frostell C, et al. **Acta Chir Scand [Suppl]** 1986;530:5–7
Acute thoracic inlet obstruction in achalasia with adenoid cystic and squamous cell carcinoma. Sigurgeirsson B, et al. **Ann Thorac Surg** 1985 Nov;40(5):516–8
Mesenteric lymphography and ligation of the thoracic duct in a cat with chylothorax. Fossum TW, et al. **J Am Vet Med Assoc** 1985 Nov 15;187(10):1036–7
Spontaneous aorto–cisterna chyli anastomosis. Vlahos L, et al. **Radiology** 1986 Feb;26(2):76–8
The chyloesophageal fistula. A new approach to thoracic duct drainage. Williamson EP, et al. **Transplantation** 1986 Aug;42(2):136–40
[Spontaneous occlusion of a thoracic duct fistula following leftsided shoulder girdle amputation] Braun A, et al. **Z Orthop** 1986 Jan–Feb;124(1):30–3 (Eng. Abstr.) **(Ger)**
[Effect of lymph removal during drainage of the thoracic lymph duct on the development of disseminated intravascular coagulation syndrome] Iaroshenko IF. **Biull Eksp Biol Med** 1986 Jan;101(1):20–2 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Thoracic duct malformations. Lymphoscintigraphic diagnoses. López OL, et al. **Clin Nucl Med** 1986 Jul; 11(7):479–81

ANALYSIS

[Catecholamine content in the wall of the thoracic duct of the dog during postnatal development] Prozorovskaia MP, et al. **Zh Evol Biokhim Fiziol** 1986 Mar–Apr;22(2):203–5 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

[Effect of hyperoncotic volume administration on capillary protein filtration and lymph flow in the thoracic duct] Schad H, et al. **Z Lymphol** 1986 Jun;10(1):14–9 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Catalytic enzyme activity concentration in thoracic duct, liver, and intestinal lymph of the dog, the rabbit, the rat and the mouse. Approach to a quantitative diagnostic enzymology, II. Communication. Lindena J, et al. **J Clin Chem Clin Biochem** 1986 Jan;24(1):19–33

INJURIES

Successful conservative management of chylothorax following cardiomyotomy. Brume J, et al. **J R Coll Surg Edinb** 1985 Oct;30(5):335–7
[Thoracic duct lesions as a complication in neck dissection] Cesteleyn L, et al. **Acta Stomatol Belg** 1985 Sep; 82(3):175–82 (Eng. Abstr.) **(Dut)**

PHYSIOLOGY

Thoracic duct lymph flow in pregnant sheep and response to blood volume expansion. Valenzuela G, et al. **Am J Physiol** 1986 Jun;250(6 Pt 2):R1095–8
Thoracic duct lymph flow: a comparative study in newborn and adult sheep. Harake B, et al. **J Dev Physiol** 1986 Apr; 8(2):87–95
[Coagulating activity of lymph from the thoracic duct and other lymph collectors] Iaroshenko IF. **Gematol Transfuziol** 1985 Sep;30(9):27–9 (Eng. Abstr.) **(Rus)**

SURGERY

Xerostomia. A treatment feasibility study in dogs. Rice DH, et al. **Arch Otolaryngol Head Neck Surg** 1986 Sep; 112(9):976–7
[Lymphovenous anastomosis in ascites in patients with portal hypertension] Patsiora MD, et al. **Khirurgiia (Mosk)** 1985 Aug;(8):80–3 (Eng. Abstr.) **(Rus)**
[Purification of lymph for reinfusion in controlled drainage of the thoracic duct] Shimanko II, et al. **Khirurgiia (Mosk)** 1986 May;(5):117–9 **(Rus)**
[Treatment of acute hepato–renal insufficiency by thoracic duct drainage and reinfusion of purified lymph] Galkina GS, et al. **Sov Med** 1985;(11):42–4 (Eng. Abstr.) **(Rus)**
[Effect of draining the thoracic lymph duct on the protein level of blood and lymph in peritonitis] Gushcha AL, et al. **Vestn Khir** 1986 Jan;136(1):45–8 (Eng. Abstr.) **(Rus)**

THORACIC INJURIES

Suicide by self–inflicted stab wound of the chest. Shiono H, et al. **Am J Forensic Med Pathol** 1986 Mar;7(1):72–3
Factors affecting outcome after chest injury. Moore PG, et al. **Anaesth Intensive Care** 1985 Nov;13(4):362–9

BLOOD

[Changes in the indices of thrombocytic hemostasis in patients with closed chest injury] Syromiatnikova ED. **Lab Delo** 1986;(4):248–9 **(Rus)**
[System of regulating the aggregative properties of blood in closed trauma of the chest] Chalenko VV, et al. **Vestn Khir** 1986 Apr;136(4):66–71 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

[Classification of combined chest and abdominal wounds] Abakumov MM, et al. **Vestn Khir** 1985 Sep;135(9):76–80 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

High-dose corticosteroids in thoracic trauma. Svennevig JL, et al. **Acta Chir Scand [Suppl]** 1985;526:110–9

Tricuspid insufficiency caused by nonpenetrating chest trauma. Report of two cases diagnosed by Doppler cardiography. Eskilsson J. **Acta Med Scand** 1985; 218(3):347–52

Late discovery of a posttraumatic right aortic arch aneurysm. Chew FS, et al. **AJR** 1985 Nov;145(5):1001–2

Bioprosthetic mitral valve dysfunction following blunt chest trauma. Reinfeld HB, et al. **Am Heart J** 1986 Apr; 111(4):800–1

Two-dimensional Doppler echocardiographic diagnosis of a traumatic intracardiac shunt. Goldfarb MS, et al. **Am J Cardiol** 1986 Feb 15;57(6):494–5

Hemodynamic adaptation to acute myocardial contusion complicating blunt chest injury. Sutherland GR, et al. **Am J Cardiol** 1986 Feb 1;57(4):291–7

Chronic tricuspid regurgitation and bifascicular block due to blunt chest trauma. Perlroth MG, et al. **Am J Med Sci** 1986 Feb;291(2):119–25

Aortic rupture in blunt trauma. Shaikh KA, et al. **Am Surg** 1986 Jan;52(1):47–8

Late pericardial tamponade and coronary arteriovenous fistula after trauma. Martin R, et al. **Br Heart J** 1986 Feb; 55(2):216–8

Acute posteroinferior wall myocardial infarction secondary to football chest trauma. Espinosa R, et al. **Chest** 1985 Dec; 88(6):928–30

Left coronary artery aneurysm and anteroseptal acute myocardial infarction following blunt chest trauma. Lascault G, et al. **Eur Heart J** 1986 Jun;7(6):538–40

'Indifférence amnésique' in a case of global amnesia following acute brain hypoxia. Della Sala S, et al. **Eur Neurol** 1986; 25(2):98–109

Myocardial infarction and subtotal obstruction of the anterior descending coronary artery caused by trauma in a football player. García Gallego F, et al. **Int J Cardiol** 1986 Jul; 12(1):109–12

Diaphragmatic hernias due to blunt thoracoabdominal trauma. Forni E, et al. **Ital J Surg Sci** 1985;15(2):149–54

Traumatic tension pneumopericardium: a case report and literature review. Robinson MD, et al. **J Emerg Med** 1985; 2(6):409–13

Cardiac air tamponade following closed chest injury. Gupta KK. **J R Coll Surg Edinb** 1986 Apr;31(2):120–1

Pneumoperitoneum resulting from tracheal rupture following blunt chest trauma. Barnhart GR, et al. **J Trauma** 1986 May;26(5):486–8

Emergency surgery in patients with post-traumatic myocardial contusion. Flancbaum L, et al. **J Trauma** 1986 Sep;26(9):795–803

Traumatic coronary artery fistula. Haas GE, et al. **J Trauma** 1986 Sep;26(9):854–7

Bioprosthetic heart valve rupture associated with trauma. Rumisek JD, et al. **J Trauma** 1986 Mar;26(3):276–9

Isolated injury of the proximal vertebral artery associated with blunt chest trauma. Wyatt DA, et al. **J Vasc Surg** 1986 Aug;4(2):196–8

Traumatic subarachnoid–pleural fistula. Lovaas ME, et al. **Neurosurgery** 1985 Oct;17(4):650–2

Posttraumatic cardiac dysfunction: assessment with radionuclide ventriculography. Rosenbaum RC, et al. **Radiology** 1986 Jul;160(1):91–4

Ruptured right atrium from nonpenetrating trauma of the chest. Tobin HM, et al. **South Med J** 1986 Apr; 79(4):499–501

[Computed tomographic proof of intracranial air bubbles after chest trauma. A case report] Lubbe JH, et al. **S Afr Med J** 1986 May 10;69(10):639–40 (Eng. Abstr.) **(Afr)**

[Myocardial contusion] Lambrecht L, et al. **Acta Clin Belg** 1985;40(6):352–9 (Eng. Abstr.) **(Dut)**

[Traumatic rupture of the thoracic aorta: a missed diagnosis] Hammacher ER, et al. **Ned Tijdschr Geneeskd** 1986 May 17;130(20):924–6 (Eng. Abstr.) **(Dut)**

[Left ventricular perforation by a rib fracture after closed chest injury. Apropos of 2 cases] Glock Y, et al. **Ann Chir** 1986 Mar;40(2):98–101 (Eng. Abstr.) **(Fre)**

[Injuries to the diaphragm] Sandoz PY, et al. **Helv Chir Acta** 1985 Dec;52(5):749–52 (Eng. Abstr.) **(Fre)**

[Chylothorax from closed thoracic injuries. Apropos of a case. Review of the literature] Abet D, et al. **J Chir (Paris)** 1986 Apr;123(4):242–5 (Eng. Abstr.) **(Fre)**

[Associated lesions in closed injuries of the thorax: right bronchial rupture, rupture of the right subclavian artery, and bilateral fracture of the 1st rib] Leguerrier A, et al. **J Chir (Paris)** 1985 Oct;122(10):561–5 (Eng. Abstr.) **(Fre)**

[Cardiac contusions in nonpenetrating chest injuries] Cometta A, et al. **Schweiz Med Wochenschr** 1986 Apr 26; 116(17):559–61 (Eng. Abstr.) **(Fre)**

[Thoracic trauma] Sturm JA, et al. **Langenbecks Arch Chir** 1985;366:415–8 (Eng. Abstr.) **(Ger)**

[Traumatic myocardial infarct. Report of 3 cases] Schön H, et al. **Schweiz Med Wochenschr** 1986 Feb 15;116(7):218–21 (Eng. Abstr.) **(Ger)**

[Hyperbaric oxygenation in the correction of central hemodynamics and external respiration in closed injuries of the chest] Atroshchenko ZB, et al. **Anesteziol Reanimatol** 1986 Mar–Apr;(2):48–50 (Eng. Abstr.) **(Rus)**

[Clinical classification of acute respiratory insufficiency after blunt chest injuries] Gluchmer FS, et al. **Anesteziol Reanimatol** 1986 Jan–Feb;(1):36–9 (Eng. Abstr.) **(Rus)**

[Posttraumatic recurrent pulmonary hemorrhage in a patient with an intravascularly closed arteriovenous fistula] Levashov IuN, et al. **Grudn Khir** 1986 Jan–Feb;(1):66–7 **(Rus)**

[Complex prevention of suppurative-inflammatory complications of chest injury] Murav'ev SM. **Grudn Khir** 1985 Sep–Oct;(5):55–8 (Eng. Abstr.) **(Rus)**

[Chest injury complicated by avulsion of the right main bronchus and rupture of the right upper lobe bronchus] Belousov BI, et al. **Klin Khir** 1985;(10):53 **(Rus)**

[Shock lung syndrome in patients with closed chest injury] Chukhrienko DP, et al. **Klin Khir** 1985;(10):1–2 (Eng. Abstr.) **(Rus)**

[Gastropleurobronchial fistula after a gunshot wound of the thorax and abdomen] Khodov VD, et al. **Klin Khir** 1985; (10):53–4 **(Rus)**

[Combined injury of the left thigh, abdominal and thoracic organs with a foreign body] Tikhil AT, et al. **Klin Khir** 1986;(4):67–8 **(Rus)**

[Diagnosis and treatment of combined injuries of the thorax and pelvis] Altunin VF, et al. **Ortop Travmatol Protez** 1985 Jul;(7):5–7 (Eng. Abstr.) **(Rus)**

[Incomplete rupture of cardiac wall in closed blunt injury of the chest] Strangul' IN, et al. **Sud Med Ekspert** 1986 Apr–Jun;29(2):56–7 **(Rus)**

[Diagnosis of injuries of the diaphragm in penetrating wounds of the chest (concerning the article by Prof. V.M. Buianov et. al. "Laparoscopy in thoracoabdominal penetrating wounds")] Nifant'ev OE, et al. **Vestn Khir** 1985 Aug; 135(8):129–30 **(Rus)**

[Prevention and treatment of pulmonary complications in patients with combined injuries of the chest accompanied by shock in the early period of trauma] Shapot IuB, et al. **Vestn Khir** 1986 Mar;136(3):77–80 (Eng. Abstr.) **(Rus)**

[Traumatic contralateral pneumonia] Anan'ina GV, et al. **Vestn Rentgenol Radiol** 1985 Nov–Dec;(6):81–2 **(Rus)**

[Posttraumatic bullous emphysema of the lungs] Kirillov MM. **Voen Med Zh** 1986 May;(5):33 **(Rus)**

[Role of roentgenologic examination in the diagnosis of contralateral pneumonia in closed injuries of the thoracic cavity] Anan'ina GV, et al. **Vrach Delo** 1986 Jan;(1):44–6 **(Rus)**

[Traumatic intercosto-abdomino-lumbar hernia] Pikot D, et al. **Lijec Vjesn** 1985 Aug;107(8):335–6 (Eng. Abstr.) **(Ser)**

[Thoraco-abdominal injury and pyogenic abscess of the liver] López Alvarez-Buhilla P, et al. **An Esp Pediatr** 1985 Oct 31;23(5):357–9 **(Spa)**

[Atrio-ventricular valve injury in non-penetrating wounds of the chest] Bassán J. **Rev Med Panama** 1986 Jan; 11(1):4–13 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

The value of peritoneal lavage in the assessment of patients with stab wounds of the abdomen and lower chest. Swann IJ, et al. **J R Coll Surg Edinb** 1986 Feb;31(1):40–3

[Closed injuries of the thorax in children] Lacheretz M, et al. **Chirurgie** 1985;111(4):378–80 **(Fre)**

ETIOLOGY

A single fatal penetrating chest wound from shattered wind-blown glass. Murphy GK. **Am J Forensic Med Pathol** 1985 Dec;6(4):332–5

CPR-induced trauma: comparison of three manual methods in an experimental model. Kern KB, et al. **Ann Emerg Med** 1986 Jun;15(6):674–9

[Traumatic injury to the chest in a child] **Kaszás T. Orv Hetil** 1986 Apr 6;127(14):823–6 (Eng. Abstr.) **(Hun)**

[Explosion of the battery—unusual complication of a permanent artificial pacemaker] Sarnowski W, et al. **Pol Tyg Lek** 1985 Sep 23;40(38):1087–8 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

[Lymphocyte populations in the post-traumatic period in closed chest trauma] Vagner EA, et al. **Vestn Akad Med Nauk SSSR** 1985;(11):78–81 (Eng. Abstr.) **(Rus)**

METABOLISM

[Oxygen consumption in the lungs of dogs with a closed thoracic injury] Kulitskaia VI, et al. **Biull Eksp Biol Med** 1986 Mar;101(3):287–9 (Eng. Abstr.) **(Rus)**

MORTALITY

Prognostic factors in blunt chest trauma. Analysis of 652 cases. Svennevig JL, et al. **Ann Chir Gynaecol** 1986; 75(1):8–14

[Reducing the mortality rate in combined injuries of the chest and head] Likhtenshtein AO, et al. **Sov Med** 1985;(9):109–12 **(Rus)**

OCCURRENCE

The influence of seat belt use on road accident injury patterns. Trinca GW. **Aust NZ J Surg** 1986 Jan;56(1):13–7

Thoracic injuries. A review of 93 cases. Rasmussen OV, et al. **Scand J Thorac Cardiovasc Surg** 1986;20(1):71–4

[Epidemiologic-statistical data on chest injuries: review of 181 cases] Pecorella G, et al. **Chir Ital** 1984 Dec; 36(6):1034–9 (Eng. Abstr.) **(Ita)**

PATHOLOGY

[Reconstruction of a suicide by a homemade firearm] Maxeiner H, et al. **Arch Kriminol** 1986 Jan–Feb; 177(1–2):19–28 (Eng. Abstr.) **(Ger)**

[Acute deaths during resuscitation] Miltner E, et al. **Beitr Gerichtl Med** 1985;43:403–7 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Cardiopulmonary effects of severe thoracic subcutaneous emphysema. Poulton TJ, et al. **J Trauma** 1986 Apr; 26(4):396–9

[External heart pressure massage] Ahnefeld FW, et al. **Dtsch Med Wochenschr** 1986 May 2;111(18):719–20 **(Ger)**

RADIOGRAPHY

Blunt trauma to the thoracic outlet and angiography. Bowers VD, et al. **Am Surg** 1983 Dec;49(12):655–9

Hemiazygous continuation of a left inferior vena cava: misleading radiographic findings in chest trauma. Sanchez FW, et al. **Cardiovasc Intervent Radiol** 1985;8(3):140–2

Scapulothoracic dissociation. A case report. Kelbel JM, et al. **Clin Orthop** 1986 Aug;(209):210–4

The diagnostic value of computed tomography in a selected case of penetrating thoraco-abdominal injury. Meyer E, et al. **J Trauma** 1986 Apr;26(4):393–5

Traumatic scapulothoracic dissociation. Rubenstein JD, et al. **Radiology** 1985 Nov;157(2):297–8

SURGERY

Emergency department thoracotomy for penetrating injuries: predictive value of patient classification. Roberge RJ, et al. **Am J Emerg Med** 1986 Mar;4(2):129–35

Emergency department thoracotomy (EDT). A 26-month experience using an "agonal" protocol.Schwab CW, et al. **Am Surg** 1986 Jan;52(1):20–9

Treatment of thoracic injuries [letter] Weissberg D. **Ann Thorac Surg** 1986 Sep;42(3):348

Hypertension after epidural meperidine. Robinson RJ, et al. **Can Anaesth Soc J** 1985 Nov;32(6):658–9

Indications for thoracotomy in thoracic trauma. Richardson JD. **Curr Surg** 1985 Sep–Oct;42(5):361–4

Selection of trauma victims for emergency room thoracotomy. Dada FB, et al. **Del Med J** 1986 Feb; 58(2):89–92

Late surgical repair of ventricular septal defect due to nonpenetrating chest trauma: review and report of two contrasting cases. Evora PR, et al. **J Trauma** 1985 Oct; 25(10):1007–9

[Stab wounds of the chest treated in a surgical department] Damm P, et al. **Ugeskr Laeger** 1986 Jun 2;148(23):1399–400 (Eng. Abstr.) **(Dan)**

[Closed traumatic lesions of the thoracic wall. Development of therapeutic concepts] Vichard P, et al. **Chirurgie** 1985; 111(9):824–32 (Eng. Abstr.) **(Fre)**

[Primary treatment of chest injuries in polytrauma] Blum M, et al. **Zentralbl Chir** 1986;111(11):648–53 (Eng. Abstr.) **(Ger)**

[Ruptured diaphragm in blunt injury of the chest and abdomen] Litvinov PG. **Klin Khir** 1986;(4):59 **(Rus)**

[Reinfusion of blood in emergency surgery] Abakumov MM, et al. **Sov Med** 1985;(6):93–6 **(Rus)**

[Thoracotomy in penetrating wounds of the chest] Kolesov AP, et al. **Vestn Khir** 1985 Oct;135(10):68–71 (Eng. Abstr.) **(Rus)**

THERAPY

Blunt chest trauma in the elderly. Allen JE, et al. **Am Surg** 1985 Dec;51(12):697–700

Emergency thoracotomy. Krome RL, et al. **Emerg Med Clin North Am** 1986 Aug;4(3):459–65 (12 ref.)

Thoracic epidural in the management of chest trauma. A study of 161 cases. Worthley LI. **Intensive Care Med** 1985; 11(6):312–5

Indications for intubation in blunt chest trauma. Barone JE, et al. **J Trauma** 1986 Apr;26(4):334–8

Determinants of outcome after pulmonary contusion. Johnson JA, et al. **J Trauma** 1986 Aug;26(8):695–7

[Closed injuries of the thorax. Therapeutic attitudes. Apropos of 140 cases] Lamour A, et al. **Chirurgie** 1985;111(3):258–64 (Eng. Abstr.) **(Fre)**

[Primary management of patients with chest injuries at the scene of the accident] Adamek L. **Unfallchirurgie** 1986 Jun; 12(3):148–52 (Eng. Abstr.) **(Ger)**

[Use of differentiated lung ventilation (IVL) in a case of

severe unilateral thoracic injury] Marraro G, et al. **Minerva Anestesiol** 1985 Nov-Dec;51(11-12):603-7 (Eng. Abstr.) **(Ita)**

[Use of blood effused into the pleural cavity in patients with thoracic injuries] Chukhrienko DP, et al. **Klin Khir** 1986; (3):59-61 (Eng. Abstr.) **(Rus)**

[Effect of methods of therapeutic physical culture on the status of hemodynamics in patients with penetrating wounds of the thoracic cavity] Epifanov VA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Sep-Oct;(5):63-4 **(Rus)**

VETERINARY

Thoracic trauma. Newer concepts. Berkwitt L, et al. **Vet Clin North Am [Small Anim Pract]** 1985 Sep; 15(5):1031-9

THORACIC NEOPLASMS

Adult neuroblastoma. Report of three cases and review of the literature. Allan SG, et al. **Cancer** 1986 Jun 15; 57(12):2419-21

Simultaneous intrathoracic and peritoneal splenosis with spontaneous regression of intrathoracic splenosis. Ashour M, et al. **J R Coll Surg Edinb** 1985 Aug;30(4):261-3

[Subpleural lipoma in children] Lebecque P, et al. **Chir Pediatr** 1985;26(5):311-2 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Case report. Infiltrative fibromatosis: a rare cause of fatal haemorrhage. Ashby MA, et al. **Clin Radiol** 1986 Mar; 37(2):193-4

Cardiac tamponade as the first manifestation of cardiothoracic malignancy: a study of 10 cases. el Allaf D, et al. **Eur Heart J** 1986 Mar;7(3):247-53

A tonic pupil with Horner's syndrome [letter] Trend PS, et al. **J Neurol Neurosurg Psychiatry** 1986 Jul;49(7):841-2

[Paraneoplastic hypoglycemic syndrome--report of a patient with recurrent tumor hypoglycemia] Vrbanec D, et al. **Lijec Vjesn** 1986 Feb-Mar;108(2-3):74-6 (Eng. Abstr.) **(Ser)**

DIAGNOSIS

Primary chest wall tumors: factors affecting survival. King RM, et al. **Ann Thorac Surg** 1986 Jun;41(6):597-601

Thoracic neuroblastoma: antenatal demonstration in a case with unusual post-natal radiographic findings. de Filippi G, et al. **Br J Radiol** 1986 Jul;59(703):704-6

An infectious mass presenting as a tumor. Musher DM. **Hosp Pract [Off]** 1986 Sep 15;21(9):19-20, 25

Prenatal diagnosis of cystic lymphangioma by ultrasound. Avni F, et al. **J Belge Radiol** 1985;68(6):436-7

Pseudotumor of the supraclavicular fossa. Fakhry SM, et al. **South Med J** 1986 Jul;79(7):822-4

Multiple extra-adrenal and thoracic pheochromocytomas. Braedel HU, et al. **Urology** 1986 Aug;28(2):95-9

[Evaluation of ultrasonography in the diagnosis of intrathoracic mass lesions: an analysis of 82 pathologically proved cases] Liu R. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Apr;20(2):75-8 (Eng. Abstr.) **(Chi)**

[Intrathoracic chemodectoma. 2 new cases (letter)] Patra P, et al. **Presse Med** 1986 May 10;15(19):888 **(Fre)**

[Malignant lymphomas in the thoracic area] **Prax Klin Pneumol** 1985 Dec;39 Suppl 1:647-73 **(Ger)**

[Intrathoracic involvement in Hodgkin's disease. Diagnosis--therapy--prognosis] Gassmann W, et al. **Prax Klin Pneumol** 1986 Jul;40(7):293-300 **(Ger)**

[A case of an alpha-fetoprotein producing tumor of the chest wall] Moriwaki Y, et al. **Nippon Naika Gakkai Zasshi** 1985 Apr;74(4):452-6 **(Jpn)**

[Transthoracic aspiration puncture cytology] Pongrac I, et al. **Lijec Vjesn** 1986 May;108(5):178-81 (Eng. Abstr.) **(Ser)**

IMMUNOLOGY

Alloantigen-activated lymphocytes from mice bearing a spontaneous "nonimmunogenic" adenocarcinoma inhibit its growth in vivo by recruiting host immunoreactivity. Giovarelli M, et al. **J Immunol** 1985 Nov;135(5):3596-603

METABOLISM

Random glycogen-ER complexes in small cell chest wall tumor. **Ultrastruct Pathol** 1986;10(2):203-8

MORTALITY

Chondrosarcoma of the chest wall: factors affecting survival. McAfee MK, et al. **Ann Thorac Surg** 1985 Dec;40(6):535-41

Malignant mesothelioma as a cause of death in Minnesota. A medical-epidemiologic dilemma. Lilienfeld DE, et al. **Minn Med** 1986 Jan;69(1):23-5

PATHOLOGY

Evidence for neural origin and PAS-positive variants of the malignant small cell tumor of thoracopulmonary region ("Askin tumor") Linnoila RI, et al. **Am J Surg Pathol** 1986 Feb;10(2):124-33

A logical approach to chest wall neoplasms. Cavanaugh DG, et al. **Ann Thorac Surg** 1986 Apr;41(4):436-7

Hodgkin's disease involving the breast and chest wall. Meis JM, et al. **Cancer** 1986 May 1;57(9):1859-65

Transthoracic fine needle aspiration of primary and metastatic sarcomas. Crosby JH, et al. **Diagn Cytopathol** 1985 Jul-Sep;1(3):221-7

Chordoma of the thorax. Maesen F, et al. **Eur J Respir Dis** 1986 Jan;68(1):68-72

Extrarenal rhabdoid sarcoma. Blatt J, et al. **Med Pediatr Oncol** 1986;14(4):221-6

Fibrosarcoma following radiation therapy for breast carcinoma. Jain S, et al. **NY State J Med** 1986 Jun; 86(6):318-9

Fine needle aspiration biopsy of the thoracic cage including the pleura--clinical value. Sloth M, et al. **Roentgenblatter** 1986 Jan;39(1):5-6

[Melanoma of ganglion cells arising from a thoracic sympathetic ganglion in an adult--a case report] Zhang SX. **Chung Hua Chung Liu Tsa Chih** 1985 Jul;7(4):304-5 (Eng. Abstr.) **(Chi)**

[Clinical evaluation of patients with a bronchogenic carcinoma invading the chest wall--with special consideration on the apical infiltrating lung cancer] Shibata K, et al. **Kyobu Geka** 1986 May;39(5):389-93 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Thoracic neuroblastoma of the neonate. Eklöf O, et al. **Acta Radiol [Diagn] (Stockh)** 1985 Jul-Aug;26(4):441-6

Computed tomography in stage III neuroblastoma. Boechat MI, et al. **AJR** 1985 Dec;145(6):1283-7

Benign schwannomas: pathologic basis for CT inhomogeneities. Cohen LM, et al. **AJR** 1986 Jul; 147(1):141-3

Computertomographic diagnosis and follow-up studies of bone and soft tissue tumours of the thoracic wall. Crone-Münzebrock W, et al. **Eur J Radiol** 1985 Nov; 5(4):247-51

CT of fat masses in multiple asymmetrical lipomatosis. Fiore D, et al. **J Belge Radiol** 1986;69(2):105-7

Large unilateral chest tumors in children. Cumming WA, et al. **J Can Assoc Radiol** 1985 Sep;36(3):234-7

Pitfalls in CT evaluation of chest wall invasion by lung cancer. Shin MS, et al. **J Comput Assist Tomogr** 1986 Jan-Feb;10(1):136-8

Elastofibroma: chest wall pseudotumor. Berthoty DP, et al. **Radiology** 1986 Aug;160(2):341-2

Hodgkin disease: contributions of chest CT in the initial staging evaluation. Castellino RA, et al. **Radiology** 1986 Sep;160(3):603-5

[Digitalized thoracic radiography in cancerology. Present contribution apropos of 200 examinations] Bruneton JN, et al. **Rev Mal Respir** 1985;2(4):245-9 (Eng. Abstr.) **(Fre)**

[Pleural lipoma--transthoracic lipoma] Goebel N. **Prax Klin Pneumol** 1985 Dec;39(12):970-2 (Eng. Abstr.) **(Ger)**

[Benign intrathoracic lipoma in an adult] Ayabe H, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Sep; 23(9):1047-51 (Eng. Abstr.) **(Jpn)**

[Malignant fibrous histiocytoma of the chest wall showing multiple shadows on the chest X-ray] Ohno K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Jun; 23(6):746-50 (Eng. Abstr.) **(Jpn)**

[Radiographic diagnosis of malignant lymphoma of the thorax] Sakai F, et al. **Rinsho Hoshasen** 1985 Oct;30(11 Suppl):1247-58 (48 ref.) **(Jpn)**

[Intrathoracic kidney: a case report] Yamazaki M, et al. **Rinsho Hoshasen** 1985 Sep;30(9):1025-7 (Eng. Abstr.) **(Jpn)**

[Clinical x-ray comparisons in the intrathoracic localization of lymphogranulomatosis and non-Hodgkin lymphomas] Simbirtseva LP, et al. **Vopr Onkol** 1986;32(1):50-5 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Early supradiaphragmatic Hodgkin's disease. High-dose gallium scanning obviates the need for staging laparotomy. Blackwell EA, et al. **Cancer** 1986 Aug 15;58(4):883-5

Severe thyrotoxicosis caused by an ectopic intrathoracic goiter. Fogelfeld L, et al. **Clin Nucl Med** 1986 Jan; 11(1):20-2

[Scintigraphic diagnosis of neuroblastoma using meta-iodobenzylguanidine] Kimmig B, et al. **Klin Padiatr** 1986 May-Jun;198(3):224-9 (Eng. Abstr.) **(Ger)**

RADIOTHERAPY

The daily reproducibility of large, complex-shaped radiotherapy fields to the thorax and neck. Griffiths SE, et al. **Clin Radiol** 1986 Jan;37(1):39-41

Von Willebrand factor levels do not predict or diagnose radiation pneumonitis. Fajardo LF, et al. **Int J Radiat Oncol Biol Phys** 1986 Jan;12(1):107-10

Diplopia and pneumoencephalocoele after chest wall resection and intraoperative radiation therapy. Greydanus WK, et al. **J Thorac Cardiovasc Surg** 1986 May;91(5):792-3

[Radiation-induced cardiopathies] Grollier G, et al. **Presse Med** 1986 Apr 26;15(17):797-800 (Eng. Abstr.) **(Fre)**

SECONDARY

Low-attenuation thoracic metastases in testicular malignancy. Yousem DM, et al. **AJR** 1986 Feb;146(2):291-3

Sequential excision of residual thoracic and retroperitoneal masses after chemotherapy for stage III germ cell tumors. Tiffany P, et al. **Cancer** 1986 Mar 1;57(5):978-83

Photopenia of a hemithorax on technetium-99m HMDP bone scintigraphy resulting from massive pleural effusion. Shih WJ, et al. **Clin Nucl Med** 1985 Aug;10(8):572-4

Accumulation of 111In-bleomycin in metastatic lesions from carcinoma of the uterine cervix and the ovary. Kida T, et al. **Oncology** 1986;43(4):234-6

Surgical treatment for thoracic metastases from malignant germ cell tumors of the testes. Lemoine G, et al. **Prog Clin Biol Res** 1985;203:353-6

Intrathoracic metastasis from an extrathoracic malignancy: a radiographic approach to patient evaluation. Chiles C, et al. **Radiol Clin North Am** 1985 Sep;23(3):427-38

[Metastatic tumors of the ribs] Kolarov I. **Khirurgiia (Sofiia)** 1985;38(3):26-9 (Eng. Abstr.) **(Bul)**

[Surgery of metastases of the thorax--a new dimension in thoracic surgery] Engelmann C, et al. **Z Erkr Atmungsorgane** 1986;166(1):82-91 (Eng. Abstr.) **(Ger)**

[Implantation of a metastasis at the site of a transthoracic aspiration puncture] Pongrac I, et al. **Plucne Bolesti** 1985 Jan-Jun;37(1-2):72-4 (Eng. Abstr.) **(Ser)**

SURGERY

Surgical management of the infant with mesenchymal hamartoma of the chest wall. Brand T, et al. **J Pediatr Surg** 1986 Jun;21(6):556-8

Malignant fibrous histiocytoma in thoracic surgical practice. Venn GE, et al. **J Thorac Cardiovasc Surg** 1986 Feb; 91(2):234-7

Total arm flap: an alternative method of chest-wall reconstruction. Fuentes CE. **Plast Reconstr Surg** 1986 Jun; 77(6):944-7

[Plastic reconstruction of large defects of the chest wall following tumor resection] Hinze M, et al. **Zentralbl Chir** 1986;111(7):421-5 **(Ger)**

[Desmoid tumors. Contributions to therapy] Neumann A. **Zentralbl Chir** 1986;111(5):267-8 **(Ger)**

[Injuries of the major blood vessels during oncologic operations] Chumak Pfa, et al. **Klin Khir** 1986;(5):57-8 **(Rus)**

THERAPY

Primary chest wall tumors [letter] von Hippel A. **Ann Thorac Surg** 1985 Nov;40(5):524-5

Radiation-induced sarcomas of the chest wall. Souba WW, et al. **Cancer** 1986 Feb 1;57(3):610-5

[Apparently primary thoracic hemangiopericytoma. Apropos of 12 cases] Collet P, et al. **Rev Pneumol Clin** 1985; 41(3):151-5 (Eng. Abstr.) **(Fre)**

VETERINARY

Clinicopathological features of lymphosarcoma involving the thoracic cavity in the horse. Mair TS, et al. **Equine Vet J** 1985 Nov;17(6):428-33

Malignant melanomas causing Horner's syndrome in a horse. Milne JC. **Equine Vet J** 1986 Jan;18(1):74-5

THORACIC NERVES

Intercostal neuralgia following stellate ganglion block. An infrequent complication. McCallum MI, et al. **Anaesthesia** 1986 Aug;41(8):850-2

Accidental spinal anaesthesia following intrathoracic intercostal nerve blockade. A case report. Sury MR, et al. **Anaesthesia** 1986 Apr;41(4):401-3

Total spinal anesthesia following intercostal nerve block. Gauntlett IS. **Anesthesiology** 1986 Jul;65(1):82-4

Intercostal nerve blockade [letter] Kirnø K, et al. **Br J Anaesth** 1986 Feb;58(2):246

Intrathoracic intercostal nerve block with phenol in open chest surgery. A randomized study with statistical evaluation of respiratory parameters. Roviaro GC, et al. **Chest** 1986 Jul;90(1):64-7

The rectus abdominis syndrome: a case report. Rutgers MJ. **J Neurol** 1986 Jun;233(3):180-1

Neuralgia after cryoanalgesia for thoracotomy [letter] Conacher ID, et al. **Lancet** 1986 Feb 1;1(8475):277

Post-thoracotomy intercostal neuralgia [letter] Hardy PA. **Lancet** 1986 Mar 15;1(8481):626-7

A technique for identification of the long thoracic nerve during axillary dissection. Miller RE, et al. **Surg Gynecol Obstet** 1986 May;162(5):480-1

[Syndrome of perforating lateral branches of the subcostal and ilio-hypogastric nerves. An unrecognized cause of hip pain] Maigne R, et al. **Rev Rhum Mal Osteoartic** 1986 May; 53(5):307-11 (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

The central projections of primary afferent neurons of greater splanchnic and intercostal nerves in the rat. A horseradish peroxidase study. Neuhuber WL, et al. **Anat Embryol (Berl)** 1986;174(1):123-44

The high thoracic sympathetic nerve system--its anatomic variability. van Rhede van der Kloot E, et al.

J Surg Res 1986 Feb;40(2):112–9
[Morphological significance of the supracostal muscles, and the superficial intercostal nerve—a new definition] Kodama K. Kaibogaku Zasshi 1986 Apr;61(2):107–29 (Eng. Abstr.) (Jpn)

DRUG EFFECTS

Continuous intercostal nerve block [letter] Murphy DF. Anesthesiology 1986 May;64(5):669–70
Diaphragmatic, thoracic and limb motor effects of amyl nitrite inhalation. Macefield G, et al. Respir Physiol 1985 Nov;62(2):181–93

INJURIES

[Lesion of the intercostobrachial nerve] Klingelhöfer J, et al. Nervenarzt 1985 Aug;56(8):449–52 (Eng. Abstr.) (Ger)

PATHOLOGY

A case of neurilemmoma originated from intercostal nerve. Inoue S, et al. Nippon Geka Hokan 1985 Nov 1;54(6):514–20

PHYSIOLOGY

Electrophysiological study of long thoracic nerve conduction in normal subjects. Alfonsi E, et al. Electromyogr Clin Neurophysiol 1986 Jan–Feb;26(1):63–7
Caudal medullary expiratory neurone and internal intercostal nerve discharges in the cat: effects of lung inflation. Cohen MI, et al. J Physiol (Lond) 1985 Nov;368:147–78
The distribution of monosynaptic connexions from inspiratory bulbospinal neurones to inspiratory motoneurones in the cat. Davies JG, et al. J Physiol (Lond) 1985 Nov;368:63–87
The detection of monosynaptic connexions from inspiratory bulbospinal neurones to inspiratory motoneurones in the cat. Davies JG, et al. J Physiol (Lond) 1985 Nov;368:33–62
Excitatory and inhibitory effects of morphine on the intercostal–to–phrenic respiratory reflex. Millhorn DE, et al. Respir Physiol 1985 Oct;62(1):79–84
[Effects of soman and morphine on the phrenic and external intercostal nerve discharges of the cat] Huang WX, et al. Sheng Li Hsueh Pao 1985 Apr;37(2):191–8 (Eng. Abstr.) (Chi)

PHYSIOPATHOLOGY

Familial long thoracic nerve palsy: a manifestation of brachial plexus neuropathy. Phillips LH 2d. Neurology 1986 Sep; 36(9):1251–3

SURGERY

Intercostal–lumbar–spinal nerve anastomoses for cord transection. A preliminary investigation. Dai KR, et al. J Reconstr Microsurg 1985 Jan;1(3):223–6
Percutaneous cryotherapy for post–thoracotomy neuralgia. Conacher ID. Pain 1986 May;25(2):227–8
Intraoperative cryolysis of intercostal nerves in thoracic surgery. Brynitz S, et al. Scand J Thorac Cardiovasc Surg 1986;20(1):85–7

THORACIC OUTLET SYNDROME

COMPLICATIONS

Vascular complications of thoracic outlet syndrome. Scher LA, et al. J Vasc Surg 1986 Mar;3(3):565–8
[Iatrogenic phlebitis of the upper limb and thoracic outlet syndrome] Devin R, et al. Phlebologie 1985 Oct–Dec; 38(4):569–74 (Eng. Abstr.) (Fre)

DIAGNOSIS

Somatosensory evoked potentials in thoracic outlet syndrome [letter] Newmark J, et al. Arch Neurol 1985 Nov; 42(11):1036
Diagnostic importance of somatosensory evoked potentials in the diagnosis of thoracic outlet syndrome. Synek VM. Clin Electroencephalogr 1986 Jul;17(3):112–6
Thoracic and vascular aspects of thoracic outlet syndrome. 1986 update. Riddell DH, et al. Clin Orthop 1986 Jun; (207):31–6
Headache and the thoracic outlet syndrome [letter] Shields RW Jr, et al. Headache 1986 Apr;26(4):209–10
Representation of the thoracic outlet syndrome as a problem in chronic pain and psychiatric management. Jamieson WG, et al. Pain 1985 Jun;22(2):195–200
Intermittent subclavian venous obstruction: utility of venous pressure gradients. Schubart PJ, et al. Surgery 1986 Mar; 99(3):365–8

ETIOLOGY

Thoracic outlet syndrome in cervical strain injury. Capistrant TD. Minn Med 1986 Jan;69(1):13–7

HISTORY

The Classic. Surgical treatment for symptoms produced by cervical ribs and the scalenus anticus muscle. By Alfred Washington Adson. 1947. Clin Orthop 1986 Jun;(207):3–12
Anatomic structures of the thoracic outlet. By H. Minor Nichols. 1967. Clin Orthop 1986 Jun;(207):13–20

PATHOLOGY

[Thoracic outlet syndrome] Lovasic MG, et al. Minerva Med 1985 Sep 29;76(37):1681–6 (Eng. Abstr.) (Ita)

PHYSIOPATHOLOGY

Electrodiagnostic techniques for and conservative treatment of thoracic outlet syndrome. Huffman JD. Clin Orthop 1986 Jun;(207):21–3

RADIOGRAPHY

Thoracic outlet syndrome: review and reference to stroke in a major league pitcher. Fields WS, et al. AJR 1986 Apr; 146(4):809–14
[Radiologic diagnosis of thoracic outlet syndrome and its vascular complications] Majewski A, et al. Rontgenblatter 1986 Jul;39(7):175–81 (Eng. Abstr.) (Ger)
[Clinical and anatomical study on the diagnosis of thoracic outlet syndrome—neurography of the brachial plexus] Takeshita M. Igaku Kenkyu 1986 Mar;56(1):1–21 (Eng. Abstr.) (Jpn)

SURGERY

Percutaneous transluminal angioplasty and transaxillary first rib resection. A multidisciplinary approach to the thoracic outlet syndrome. Perler BA, et al. Am Surg 1986 Sep; 52(9):485–8
Neurosurgical considerations in thoracic outlet syndrome. Hawkes CD. Clin Orthop 1986 Jun;(207):24–8
Thoracic outlet syndrome experience in a metropolitan hospital. Moore M Jr. Clin Orthop 1986 Jun;(207):29–30
Pathophysiology and selection of method for surgical management of thoracic outlet syndrome. Shalimov AA, et al. Int Angiol 1985 Apr–Jun;4(2):147–52
Surgery for thoracic outlet syndrome? [letter] Cherington M. N Engl J Med 1986 Jan 30;314(5):322
[Surgical treatment of thoracic outlet syndrome] Tateishi A. No Shinkei Geka 1985 Aug;13(8):817–23 (Jpn)
[Good results with the early surgical treatment of the thoracic outlet syndrome] Troëng T, et al. Lakartidningen 1986 Aug 20;83(34):2755 (Swe)

THORACIC RADIOGRAPHY

Large–screen image intensifier photofluorography compared with full–size screen–film technique in chest radiography. Manninen H, et al. Acta Radiol [Diagn] (Stockh) 1985 Sep–Oct;26(5):525–33
The role of chest radiography in the evaluation of the 'geriatric giants'. Puxty JA, et al. Age Ageing 1986 May; 15(3):174–6
Thoracic venous anatomy. Godwin JD, et al. AJR 1986 Oct; 147(4):674–84
Radiologic assessment of transvenous pacemaker placement during CPR. Syverud SA, et al. Ann Emerg Med 1986 Feb; 15(2):131–7
Correlation of pulmonary signs and symptoms with chest radiographs in the pediatric age group. Zukin DD, et al. Ann Emerg Med 1986 Jul;15(7):792–6
Lifetime tobacco use [letter] Ravenholt RT. Ann Intern Med 1986 Sep;105(3):473
The need for chest roentgenograms in adults with acute respiratory illness. Clinical predictors. Heckerling PS. Arch Intern Med 1986 Jul;146(7):1321–4
The value of routine preoperative chest X–rays. Fowkes FG. Br J Hosp Med 1986 Feb;35(2):120–3
Field coverage in digital grey–scale fluorography of the chest [letter] Cowen AR, et al. Br J Radiol 1986 Apr; 59(700):426–7
Altered anterior axillary fold in radical mastectomy still present after breast reconstruction. Rubin G. Br J Radiol 1986 Feb;59(698):178–9
Radiology for psychiatric patients [letter] Br Med J [Clin Res] 1986 Apr 26;292(6528):1135–6
Chest x–rays [letter] Clayton OW. CA 1986 May–Jun; 36(3):190–1
Efficacy of chest radiography in a respiratory intensive care unit. A prospective study. Bekemeyer WB, et al. Chest 1985 Nov;88(5):691–6
The chest roentgenogram in pulmonary edema. Pistolesi M, et al. Clin Chest Med 1985 Sep;6(3):315–44 (124 ref.)
Pleural effusion causing unmatched ventilation defects in ventilation and perfusion scanning. Goddard P, et al. Clin Radiol 1986 May;37(3):285–6
Observer variation in bone lesion detection in thoraco–abdominal visceral CT images. Laval–Jeantet M, et al. Eur J Radiol 1985 Nov;5(4):310–2
Routine admission chest x–ray in the management of hospitalized patients [letter] Austin JH, et al. Invest Radiol 1986 Mar;21(3):296
Intertest variability of echocardiographic and chest X–ray measurements: implications for decision making in patients with aortic regurgitation. Szlachcic J, et al. J Am Coll Cardiol 1986 Jun;7(6):1310–7
An unusual radiological artefact: a nipple ring. Jackson FI. J Can Assoc Radiol 1985 Dec;36(4):345–6
Another look at the "ring–around–the–artery" in pneumomediastinum. Landay MJ, et al. J Can Assoc Radiol 1985 Dec;36(4):343–4
The differential retrocardiac air–fluid level: a sign of intrathoracic gastric volvulus. Scott RL, et al. J Can Assoc Radiol 1986 Jun;37(2):119–21
Radiographic artifact from braided hair mimicking tuberculosis [letter] Buccini RV, et al. N Engl J Med 1985 Nov 7;313(19):1227–8
More on routine chest X–ray films [letter] Widmann WD. N Engl J Med 1986 Aug 14;315(7):460
A primer of chest radiology. Marglin SI. Nurse Pract 1985 Nov;10(11):59–62
Screening for lung cancer [letter] Jones D. NZ Med J 1986 Aug 13;99(807):597
Intrafissural fat: CT correlation with chest radiography. Gale ME, et al. Radiology 1986 Aug;160(2):333–6
Chest radiographs obtained with shaped filters: evaluation by observer performance tests. Kelsey CA, et al. Radiology 1986 Jun;159(3):653–5
Digital projection radiography of the chest. Kundel HL. Radiology 1986 Jan;158(1):274–6
Application of silhouette sign on lateral chest radiograms. Tsai CM, et al. Taiwan I Hsueh Hui Tsa Chih 1986 Mar; 85(3):280–8
[X–ray analysis of the chest in 186 cases of epidemic haemorrhagic fever] Wang QB. Chung Hua Fang She Hsueh Tsa Chih 1985 Jun;19(3):129–33 (Eng. Abstr.) (Chi)
[The retrotracheal space: a radiologic study] Wu SC. Chung Hua Fang She Hsueh Tsa Chih 1985 Oct; 19(5):278–81 (Eng. Abstr.) (Chi)
[Radiographic examination of the thorax in recumbent patients. A study of its diagnostic value] Bellstrøm T, et al. Ugeskr Laeger 1986 Apr 14;148(16):947–8 (Eng. Abstr.) (Dan)
[Posterobasal thoracic opacity] Chirio R, et al. Ann Pediatr (Paris) 1986 Jun;33(6):543–5 (Eng. Abstr.) (Fre)
[Standard thoracic radiography in recent pneumonectomized patients. Its contribution to the diagnosis of empyema and bronchopleural fistula] Laissy JP, et al. J Radiol 1986 Mar; 67(3):171–7 (Eng. Abstr.) (Fre)
[Comparison of a standard x–ray film with a high–latitude film in thoracic diagnosis] Oestmann JW, et al. Rontgenblatter 1986 Jan;39(1):7–9 (Eng. Abstr.) (Ger)
[Radiological evaluation of the state of hydration in uremic patients under periodic dialysis] Gavelli G, et al. Radiol Med (Torino) 1984 Dec;70(12):933–6 (Eng. Abstr.) (Ita)
[Profitability of the radiological examination of the thorax. Development of thoracic radiology, administered dose, quality control and role of the clinic] Marano P, et al. Radiol Med (Torino) 1986 Mar;72(3):95–101 (Eng. Abstr.) (Ita)
[Subphrenic adipose tissue, an infrequent cause of increased distance between the diaphragm and liver. Radiological study and echographic comparison] Villari V, et al. Radiol Med (Torino) 1985 Sep;71(9):582–6 (Eng. Abstr.) (Ita)
[Interrelationship of plain roentgenographic and computed tomographic findings of the lung in a patient with diffuse panbronchiolitis (DPB)] Inoue M, et al. Nippon Kyobu Shikkan Gakkai Zasshi 1985 Aug; 23(8):907–11 (Eng. Abstr.) (Jpn)
[Malignant fibrous histiocytoma of the chest wall showing multiple shadows on the chest X–ray] Ohno K, et al. Nippon Kyobu Shikkan Gakkai Zasshi 1985 Jun; 23(6):746–50 (Eng. Abstr.) (Jpn)
[Diagnosis of pulmonary sarcoidosis in uveitis patients with normal chest roentgenograms—studies by bronchoalveolar lavage] Sugimoto M, et al. Nippon Kyobu Shikkan Gakkai Zasshi 1985 Sep; 23(9):1024–9 (Eng. Abstr.) (Jpn)
[Radiation doses for children during x–ray examination of the thoracic organs and stomach] Stavitskii RV, et al. Med Radiol (Mosk) 1985 Dec;30(12):50–2 (Rus)

ADVERSE EFFECTS

Routine chest x–ray examinations. Robin ED, et al. Chest 1986 Aug;90(2):258–62
Surface studies of duodenal lesions induced by thoracic irradiation. Carr KE, et al. Scan Electron Microsc 1986;(Pt 1):209–19

EDUCATION

Interactive instruction in the radiographic anatomy of the chest. McEnery KW. Comput Methods Programs Biomed 1986 Mar;22(1):81–6

INSTRUMENTATION

Filtration: the answer to an automatic exposure control response problem. Croft MJ. Radiol Technol 1986 May–Jun; 57(5):447–8
[Suitability and comparison of compensating filters for thoracic diagnosis] Oestmann JW, et al. ROFO 1986 Apr; 144(4):395–9 (Eng. Abstr.) (Ger)
[A device for measuring the depth of the tomographic section] Shevchenko VA, et al. Voen Med Zh 1985 Aug; (8):67 (Rus)

METHODS

Scanning equalization radiography of the chest: assessment of image quality. Wandtke JC, et al. AJR 1985 Nov; 145(5):973–8

Improved chest disease detection with scanning equalization radiography. Wandtke JC, et al. **AJR** 1985 Nov; 145(5):979–83

Sex determination from chest plate roentgenograms. McCormick WF, et al. **Am J Phys Anthropol** 1985 Oct; 68(2):173–95

Value of chest ultrasonography versus decubitus roentgenography for thoracentesis. Kohan JM, et al. **Am Rev Respir Dis** 1986 Jun;133(6):1124–6

Patient absorbed doses in digital grey–scale fluorography. Cowen AR, et al. **Br J Radiol** 1985 Jul;59(703):689–93

A detailed study of radiation dose and radiographic technique during chest radiography. Faulkner K, et al. **Br J Radiol** 1986 Mar;59(699):245–9

Lateral chest x–ray films: are they useful? [letter] Houston CS. **Can Med Assoc J** 1986 Aug 15;135(4):269–70

Value of the lateral radiologic view of the chest in children with acute pulmonary illness. Lamme T, et al. **Can Med Assoc J** 1986 Feb 15;134(4):353–6

Evaluation of the portable chest roentgenogram for quantitating extravascular lung water in critically ill adults. Halperin BD, et al. **Chest** 1985 Nov;88(5):649–52

Computed tomography of the thorax. O'Donovan PB, et al. **Cleve Clin Q** 1985 Winter;52(4):541–8 (37 ref.)

Heart size in high–kilovoltage chest radiography. Perry NM, et al. **Clin Radiol** 1985 May;36(3):235–9

Comparison of measurements of total lung capacity by a computer–aided radiographic method with body plethysmography in a clinical setting. Boxinsky GE Jr. **Int J Clin Monit Comput** 1986;2(3):163–6

The effect of varying high pass filter parameters on the detectability of isolated pulmonary nodules in digitized chest images. Foley WD, et al. **Invest Radiol** 1986 Apr; 21(4):305–10

Histogram–directed processing of digital chest images. McAdams HP, et al. **Invest Radiol** 1986 Mar;21(3):253–9

Digital synthesis of lung nodules. Sherrier RH, et al. **Invest Radiol** 1985 Dec;20(9):933–7

Digital separation of primary and scatter components of chest radiographs. White KS, et al. **Invest Radiol** 1985 Nov; 20(8):854–9

The electrical impedance of the human thorax as a guide in evaluation of intrathoracic fluid volume. Sahalos JN, et al. **Phys Med Biol** 1986 Apr;31(4):425–39

Radiography of the neonatal chest. Kunkler W. **Radiography** 1985 Sep–Oct;51(599):259–61

Supplementary projection to demonstrate the thoracic inlet. Wright IP, et al. **Radiography** 1986 Jan–Feb;52(601):52–3

Digital and conventional chest images: observer performance with Film Digital Radiography System. Goodman LR, et al. **Radiology** 1986 Jan;158(1):27–33

Digital beam attenuator technique for compensated chest radiography. Hasegawa BH, et al. **Radiology** 1986 May; 159(2):537–43

[Digitalized angiography of the thorax in children] Panuel M, et al. **J Radiol** 1986 Jan;67(1):25–30 (Eng. Abstr.) **(Fre)**

[Digitalized thoracic radiography in cancerology. Present contribution apropos of 200 examinations] Bruneton JN, et al. **Rev Mal Respir** 1985;2(4):245–9 (Eng. Abstr.) **(Fre)**

[Clinical applications of 4th–generation x–ray computed tomography for the evaluation of intra–thoracic lesions and lesions of the extremities] Lavallée G, et al. **Union Med Can** 1986 Feb;115(2):95–102 (Eng. Abstr.) **(Fre)**

[Radiological technics in the study of the pleura and the chest wall] Bertolani M, et al. **Radiol Med (Torino)** 1984 Nov; 70(11):817–24 (Eng. Abstr.) **(Ita)**

[Direct radiologic examination of the thorax in the study of the heart] Di Guglielmo L, et al. **Radiol Med (Torino)** 1985 Dec;71(12):816–35 **(Ita)**

[Frontal radiogram of the thorax in the present–day diagnosis of the mediastinum. Technic of execution and semeiology] Pedicelli G, et al. **Radiol Med (Torino)** 1985 Nov; 71(11):761–72 (Eng. Abstr.) **(Ita)**

STANDARDS

Tentative diagnoses facilitate the detection of diverse lesions in chest radiographs. Berbaum KS, et al. **Invest Radiol** 1986 Jul;21(7):532–9

[Optimization of the thoracic radiograph. Experimental and clinical study on the use of various film/screen combinations using rare earths] Bergonzini R, et al. **Radiol Med (Torino)** 1986 May;72(5):261–6 (Eng. Abstr.) **(Ita)**

TRENDS

[Various current problems in roentgenopulmonology] Vinner MG. **Vestn Rentgenol Radiol** 1986 Jan–Feb;(1):70–4 (Eng. Abstr.) **(Rus)**

UTILIZATION

Chest radiography in the emergency department. Clinton JE, et al. **Ann Emerg Med** 1986 Mar;15(3):254–6 (19 ref.)

Multicentre trial of four strategies to reduce use of a radiological test. Fowkes FG, et al. **Lancet** 1986 Feb 15; 1(8477):367–70

VETERINARY

Radiological observations of the thorax and abdomen of the piglet. Wood AK. **Anat Histol Embryol** 1985 Sep; 14(3):193–214

[Radiologic diagnosis of internal diseases in dogs (2)] Hartung K. **Tierarztl Prax** 1986;14(1):111–21 (Eng. Abstr.) **(Ger)**

THORACIC SURGERY

Post–operative analgesia by epidural versus intramuscular nicomorphine after thoracotomy. Part I. Hasenbos M, et al. **Acta Anaesthesiol Scand** 1985 Aug;29(6):572–6

Post–operative analgesia by epidural versus intramuscular nicomorphine after thoracotomy. Part II. Hasenbos M, et al. **Acta Anaesthesiol Scand** 1985 Aug;29(6):577–82

Intrathecal morphine for post–thoracotomy pain. Gray JR, et al. **Anesth Analg** 1986 Aug;65(8):873–6

High–frequency, small–volume ventilation during thoracic surgery. Glenski JA, et al. **Anesthesiology** 1986 Feb; 64(2):211–4

Submammary skin incision as a cosmetic approach to median sternotomy. Bédard P, et al. **Ann Thorac Surg** 1986 Mar; 41(3):339–41

Esophagectomy without thoracotomy [editorial] Murray GF. **Ann Thorac Surg** 1986 Mar;41(3):233–4

A comparison of pulmonary function tests for postthoracotomy pain using cryoanalgesia and transcutaneous nerve stimulation. Rooney SM, et al. **Ann Thorac Surg** 1986 Feb;41(2):204–7

Comparison of median sternotomy and thoracotomy for resection of pulmonary metastases in patients with adult soft–tissue sarcomas. Roth JA, et al. **Ann Thorac Surg** 1986 Aug;42(2):134–8

The thoracic surgical industrial complex. Starr A. **Ann Thorac Surg** 1986 Aug;42(2):124–33

Evaluation of serum creatine kinase and lactate dehydrogenase in experimental myocardial infarction, atriotomies, and thoracotomies. Wolf RE, et al. **Ann Thorac Surg** 1986 Apr;41(4):378–86

Emergency thoracotomy. Champion HR, et al. **Arch Emerg Med** 1986 Jun;3(2):95–9

Anaesthesia for thoracic surgery: recent advances. Benumof JL. **Can Anaesth Soc J** 1986 May;33(3 Pt 2):S28–37 (9 ref.)

Postoperative analgesia following thoracotomy. Danger of delayed respiratory depression. Brown DL. **Chest** 1985 Nov;88(5):779–80

Adrenoreactivity of the circulatory system and of some metabolic processes induced by narcosis and surgical trauma. Bobkov YuI, et al. **Ter Vasa** 1985;27(4):310–8

Postoperative pain relief and respiratory performance after thoracotomy: a controlled trial comparing the effect of epidural morphine and subcutaneous nicomorphine. Larsen VH, et al. **Dan Med Bull** 1986 Jun;33(3):161–4

Selection of trauma victims for emergency room thoracotomy. Dada FB, et al. **Del Med J** 1986 Feb; 58(2):89–92

Ambroxol for prophylaxis and treatment of bronchopulmonary complications after chest surgery. Romanini BM, et al. **Int J Clin Pharmacol Res** 1986; 6(2):123–7

Picture preferences of thoracic surgeons. Hirsh K, et al. **J Biocommun** 1986 Winter;13(1):26–30

Morbid musculoskeletal sequelae of thoracotomy for tracheoesophageal fistula. Jaureguizar E, et al. **J Pediatr Surg** 1985 Oct;20(5):511–4

A thoracic expansion technique for Jeune's asphyxiating thoracic dystrophy. Todd DW, et al. **J Pediatr Surg** 1986 Feb;21(2):161–3

Random versus predictable risks of mortality after thoracotomy for lung cancer. Kohman LJ, et al. **J Thorac Cardiovasc Surg** 1986 Apr;91(4):551–4

Cryoanalgesia after thoracotomy. Improvement of technique and review of 600 cases. Maiwand MO, et al. **J Thorac Cardiovasc Surg** 1986 Aug;92(2):291–5

Regional blood cardioplegic reperfusion during total vented bypass without thoracotomy: a new concept. Okamoto F, et al. **J Thorac Cardiovasc Surg** 1986 Sep;92(3 Pt 2):553–63

Thoracic and cardiovascular operations in the United States, 1979 to 1984. Rutkow IM. **J Thorac Cardiovasc Surg** 1986 Aug;92(2):181–5

Transhiatal oesophagectomy without thoracotomy [editorial] **Lancet** 1986 Aug 16;2(8503):376

Neuralgia after cryoanalgesia for thoracotomy [letter] Conacher ID, et al. **Lancet** 1986 Feb 1;1(8475):277

Total arm flap: an alternative method of chest–wall reconstruction. Fuentes CE. **Plast Reconstr Surg** 1986 Jun; 77(6):944–7

Neuropeptide Y and sympathetic vascular control in man. Lundberg JM, et al. **Regul Pept** 1985 Dec;13(1):41–52

Effect of transcutaneous electrical nerve stimulation for post–thoracotomic pain. Liu YC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Jul;84(7):801–9

Selection and preoperative treatment of over–seventy–year–old patients undergoing thoracotomy. Ebner H, et al. **Thorac Cardiovasc Surg** 1985 Oct; 33(5):268–71

Antibiotic prophylaxis in cardiothoracic surgery in the United Kingdom: current practice. Wilson AP, et al. **Thorax** 1986 May;41(5):396–400

[Postoperative peridural analgesia in thoracic surgery using repeated low doses of morphine hydrochloride] Gosset S, et al. **Cah Anesthesiol** 1986 May;34(3):243 **(Fre)**

[Thoracic peridural analgesia with pethidine after thoracotomy] Saissy JM, et al. **Cah Anesthesiol** 1985 Oct; 33(6):497–500 **(Fre)**

[Risk factors in thoracic surgery] **Prax Klin Pneumol** 1985 Dec;39 Suppl 1:719–38 **(Ger)**

[The study of the reconstruction of tissue defects with artificial materials, especially in the chest wall, diaphragm and pericardium] Matsumoto M. **Bull Chest Dis Res Inst Kyoto Univ** 1981 Mar;14(1–2):1–8 (Eng. Abstr.) **(Jpn)**

[A case of right upper lobectomy with combined resection of the chest wall and clavicula, by the anterior approach] Kadokura M, et al. **Kyobu Geka** 1985 Dec;38(12):992–6 (Eng. Abstr.) **(Jpn)**

[Prevention and treatment of lung complications after thoracic surgery in aged patients] **Nippon Kyobu Geka Gakkai Zasshi** 1985 May;33(5):690–705 **(Jpn)**

[The 38th Congress of the Japanese Association for Thoracic Surgery. October 3–5, 1985, Fukuoka, Japan. Abstracts] **Nippon Kyobu Geka Gakkai Zasshi** 1985 Sep;33 Suppl:1473–901 **(Jpn)**

[The pleural fluid concentration of cefotiam (CTM) administered intravenously after thoracotomy] Shibata K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Apr; 24(4):410–6 (Eng. Abstr.) **(Jpn)**

[Paravertebral analgesia after intra–thoracic surgery] Lavrent'ev IuA. **Anesteziol Reanimatol** 1986 Jan–Feb; (1):65–8 (96 ref.) **(Rus)**

[Effect of postoperative epidural analgesia with morphine on respiratory mechanics and pulmonary gas exchange in chest surgery patients] Shmakov AM. **Anesteziol Reanimatol** 1985 Nov–Dec;(6):67–71 (Eng. Abstr.) **(Rus)**

[Cyclic nucleotides as one of the criteria of anesthetic adequacy during lung surgery] Vinnitskil LI, et al. **Anesteziol Reanimatol** 1986 May–Jun;(3):18–21 (Eng. Abstr.) **(Rus)**

[Reconstruction of large defects of the thoracic wall with an antimicrobial synthetic prosthesis (morphologic studies)] Krustanov P, et al. **Eksp Med Morfol** 1986;25(1):38–43 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Breast and pectoral muscle maldevelopment after anterolateral and posterolateral thoracotomies in children. Cherup LL, et al. **Ann Thorac Surg** 1986 May;41(5):492–7

False aneurysm formation: a complication following the modified Blalock–Taussig shunt. Sethia B, et al. **Ann Thorac Surg** 1986 Jun;41(6):667–8

Chest–tube thoracostomy causing Horner's syndrome. Bourque PR, et al. **Can J Surg** 1986 May;29(3):202–3

Complications associated with thoracocentesis. Seneff MG, et al. **Chest** 1986 Jul;90(1):97–100

Diplopia and pneumoencephalocoele after chest wall resection and intraoperative radiation therapy. Greydanus WK, et al. **J Thorac Cardiovasc Surg** 1986 May;91(5):792–3

Post–thoracotomy intercostal neuralgia [letter] Hardy PA. **Lancet** 1986 Mar 15;1(8481):626–7

Deep–vein thrombosis after major non–cardiovascular thoracic surgery. Ljungström KG. **Scand J Thorac Cardiovasc Surg** 1985;19(2):161–4

Progressive scoliosis following chest wall resection in children. DeRosa GP. **Spine** 1985 Sep;10(7):618–22

EDUCATION

Thoracic surgical content of an undergraduate surgical curriculum. Snow N, et al. **Surgery** 1986 Jul;100(1):83–8

HISTORY

Samuel Robinson, pioneer thoracic surgeon (1875–1947). Scannell JG. **Ann Thorac Surg** 1986 Jun;41(6):692–9

Sir James Officer Brown: his contribution to the development of thoracic and cardiac surgery. Morris KN. **Aust NZ J Surg** 1986 Feb;56(2):179–84

New York—a bellwether for thoracic surgery. Malm JR. **J Thorac Cardiovasc Surg** 1986 Aug;92(2):169–80

[The Portuguese Society of Cardio–Thoracic and Vascular Surgery. Its origin and future] da Costa JC. **Acta Med Port** 1985 Jun;6(6):202–6 **(Por)**

[From the Surgical Disease Clinic to the Department of Thoracic Surgery of the Leningrad Institute for Advanced Training of Physicians] Voronov AA, et al. **Vestn Khir** 1985 Oct;135(10):148–51 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

[Our 5–year experience with the use of a new material for thoracic osteosynthesis: the sliding staple–splint] Borrelly J, et al. **Ann Chir** 1985 Oct;39(7):465–70 (Eng. Abstr.) **(Fre)**

METHODS

Biological sealants and knitted Dacron: porosity and histological comparisons of vascular graft materials with and without collagen and fibrin glue pretreatments. Jonas RA, et al. **Ann Thorac Surg** 1986 Jun;41(6):657–63

Intrathoracic intercostal nerve block with phenol in open chest surgery. A randomized study with statistical evaluation of respiratory parameters. Roviaro GC, et al. **Chest** 1986 Jul;90(1):64–7

Thoracostomy. Dalbec DL, et al.
Emerg Med Clin North Am 1986 Aug;4(3):441–57
Emergency thoracotomy. Krome RL, et al.
Emerg Med Clin North Am 1986 Aug;4(3):459–65 (12 ref.)
Thoracic wall defects: surgical management of 205 consecutive patients. Pairolero PC, et al.
Mayo Clin Proc 1986 Jul;61(7):557–63
Tube thoracostomy: anatomical considerations, overview of complications, and a proposed technique to avoid complications. McFadden PM, et al. **Milit Med** 1985 Dec; 150(12):681–5
Double-pedicle transverse rectus abdominis myocutaneous flap for unilateral breast and chest-wall reconstruction. Ishii CH Jr, et al. **Plast Reconstr Surg** 1985 Dec;76(6):901–7
Management of radiation necrosis of the chest wall following mastectomy: a new treatment option. MacMillan RW, et al. **Plast Reconstr Surg** 1986 May;77(5):832–5
[Reconstruction methods of anterior chest wall resection—comparison between acrylic resins and myocutaneous flaps] Shiba E, et al.
Nippon Geka Gakkai Zasshi 1986 Jul;87(7):797–802 (Eng. Abstr.) (Jpn)

STANDARDS

General vascular surgery and the thoracic surgeon [editorial] Kron IL. **Ann Thorac Surg** 1986 May;41(5):471–2

VETERINARY

Pulmonary function in dogs after intercostal thoracotomy: comparison of morphine, oxymorphone, and selective intercostal nerve block. Berg RJ, et al. **Am J Vet Res** 1986 Feb;47(2):471–4

THORACIC VERTEBRAE

CT myelography of calcified thoracic neurilemmoma. Dross PE, et al. **AJNR** 1985 Nov–Dec;6(6):967–8
Ossification of the ligamentum flavum of the thoracic spine in adult kyphosis. Otani K, et al. **Int Orthop** 1986; 10(2):135–9
A controlled trial of spinal manipulation in the management of hypertension. Morgan JP, et al.
J Am Osteopath Assoc 1985 May;85(5):308–13
Paraplegia due to aspergillosis. Successful conservative treatment of two cases. Ferris B, et al.
J Bone Joint Surg [Br] 1985 Nov;67(5):800–3
Rheumatoid arthritis of the thoracic and lumbar spine. Heywood AW, et al. **J Bone Joint Surg [Br]** 1986 May; 68(3):362–8
Epidural haemangiomas during pregnancy. Lavi E, et al.
J Neurol Neurosurg Psychiatry 1986 Jun;49(6):709–12
Spinal cord compression by an eosinophilic granuloma. Case report and review of the literature. Gangemi M, et al.
J Neurosurg Sci 1985 Apr–Jun;29(2):117–21
Vertebral osteomyelitis due to Candida glabrata. A case report. Morrow JD, et al. **J Tenn Med Assoc** 1986 Jul; 79(7):409–10
Progressive myelopathy [letter] **JAMA** 1985 Nov 15; 254(19):2740–1
Sarcoidosis of the spine. Case report and literature review. Bundens DA, et al. **Spine** 1986 Apr;11(3):209–12
Candida tropicalis vertebral osteomyelitis and discitis. A case report and discussion on the diagnosis and treatment. Kashimoto T, et al. **Spine** 1986 Jan–Feb;11(1):57–61
Simultaneous occurrence in the spine of osteoblastoma and hemangioendothelioma. A case report. Lange TA, et al. **Spine** 1986 Jan–Feb;11(1):92–5
Lateral thoracic meningocele. Maiuri F, et al.
Surg Neurol 1986 Oct;26(4):409–12
[Solitary spinal osteochondroma. Apropos of 4 cases] Czorny A, et al. **Neurochirurgia** 1985;31(4):303–8 (Eng. Abstr.) (Fre)
[Cervicobrachial neuralgia and vertebral osteochondroma. Apropos of a case] Lozes G, et al. **Rev Med Interne** 1986 Mar;7(2):177–80 (Fre)
[Ischemic necrosis of the vertebral body] Kopp W, et al. **Rontgenblatter** 1985 Aug;38(8):263–4 (Eng. Abstr.) (Ger)
[Fungus-induced spondylitis] Bruns J, et al. **Z Orthop** 1986 Jan–Feb;124(1):96–101 (Eng. Abstr.) (Ger)
[Spinal lipoma with a dural closure defect as a cause of neurogenic bladder and chronic renal failure] Eichler I, et al. **Z Urol Nephrol** 1986 Apr;79(4):213–7 (Eng. Abstr.) (Ger)
[Tuberculosis of the spine in children (Pott's disease)] Bader D, et al. **Harefuah** 1985 Nov 15;109(10):276–9 (Eng. Abstr.) (Heb)
[Considerations on some particular cases of post-traumatic thoraco-lumbar instability] Solini A, et al.
Chir Organi Mov 1985 Jan–Mar;70(1):23–30 (Eng. Abstr.) (Ita)
[A case of a large thoracic epidural hourglass neurinoma, incidentally detected on routine chest roentgenogram—with respect to the surgical approach] Kinuta Y, et al. **No Shinkei Geka** 1986 Jan;14(1):83–9 (Eng. Abstr.) (Jpn)
[Myotonic dystrophy with transverse myelopathy caused by ossification of the posterior longitudinal ligament—report of two cases] Kawamura T, et al. **Rinsho Shinkeigaku** 1986 Apr;26(4):387–94 (Eng. Abstr.) (Jpn)
[Osteochondrosis of the thoracic spine complicated by paralysis of the lower extremities] Cwirko-Godycka D. **Chir Narzadow Ruchu Ortop Pol** 1985;50(4):320–2 (Eng. Abstr.) (Pol)
[Long-term study of aseptic necrosis in a vertebral body] Rymer P, et al. **Chir Narzadow Ruchu Ortop Pol** 1985; 50(6):503–6 (Eng. Abstr.) (Pol)
[Hemangiomas of the vertebrae (data of the Institute of Oncology in Cracow)] Kowalska T. **Przegl Lek** 1985; 42(12):816–7 (Pol)
[Suppurative mediastinitis caused by hematogenic osteomyelitis of the spine] Fishchenko VIa.
Khirurgiia (Mosk) 1985 Nov;(11):111–5 (Rus)
[Echinococcosis of the spine] Abdrakhmanov EA, et al.
Ortop Travmatol Protez 1985 Sep;(9):57–8 (Rus)
[2 cases of juvenile ankylosing spondyloarthritis in girls] El'iashevich VE, et al. **Pediatriia** 1986 Jan;(1):45–7 (Rus)
[Functional disorders of external respiration in patients with disseminated forms of tuberculous spondylitis and its sequelae] Garbuz AE, et al. **Probl Tuberk** 1986;(4):39–42 (Eng. Abstr.) (Rus)
[Anterior decompression of the spinal cord at the level of the thoracic vertebrae] Lutsik AA, et al.
Zh Vopr Neirokhir 1986 Mar–Apr;(2):37–41 (Eng. Abstr.) (Rus)
[Anterior spondylodesis in osteoblastoclastoma of vertebra CIII with a spinal cord compression syndrome] Nikiforov BM, et al. **Zh Vopr Neirokhir** 1985 Jul–Aug;(4):50–1 (Rus)
[Disorders of heart rhythm in the cervicothoracic syndrome] Jakovljević M, et al. **Acta Med Iugosl** 1986;40(1):15–20 (Eng. Abstr.) (Ser)
[Intraspinal mediastinal tumor. Pott's disease] García-Cubillana JM, et al. **An Esp Pediatr** 1985 Nov 15; 23(6):449–52 (Spa)

ABNORMALITIES

Spondylocostal/spondylothoracic dysostosis: the clinical basis for prognosticating and genetic counseling. Aymé S, et al. **Am J Med Genet** 1986 Aug;24(4):599–606
Thoracic skeletal abnormalities in young men with mitral valve prolapse. Peh WC, et al.
Ann Acad Med Singapore 1985 Oct;14(4):676–81
Intraspinal spur and scoliosis. Alpar EK, et al.
Arch Orthop Trauma Surg 1986;105(4):253–5
Hemivertebra as a cause of scoliosis. A study of 104 patients. McMaster MJ, et al. **J Bone Joint Surg [Br]** 1986 Aug; 68(4):588–95
Prenatal sonographic diagnosis of congenital hemivertebra. Benacerraf BR, et al. **J Ultrasound Med** 1986 May; 5(5):257–9
Congenital absence and hypoplasia of pedicles in the thoracic spine. Lederman HM, et al. **Skeletal Radiol** 1986; 15(3):219–23
Computed tomography of congenital absence of posterior elements in the thoracolumbar spine. Downey EF Jr, et al. **Spine** 1986 Jan–Feb;11(1):68–71
[Spondylocostal dysostosis] Bonora G, et al.
Pediatr Med Chir 1985 Nov–Dec;7(6):843–5 (Eng. Abstr.) (Ita)
[Rare spinal lesions] Maiat VV. **Khirurgiia (Mosk)** 1985 Nov; (11):61–3 (Eng. Abstr.) (Rus)
[A method for the graphic representation of thoracic deformity in scoliosis] Saniukas KA.
Ortop Travmatol Protez 1985 Aug;(8):53–4 (Rus)
[Changes in the blood vessels of the spinal cord in spinal anomalies] Kir'iakov VA. **Sov Med** 1986;(4):24–8 (Eng. Abstr.) (Rus)

ANATOMY & HISTOLOGY

The first rib of hominoids. Ohman JC.
Am J Phys Anthropol 1986 Jun;70(2):209–29
Measurement of biological shape: a general method applied to mouse vertebrae. Johnson DR, et al.
J Embryol Exp Morphol 1985 Dec;90:363–77
An anatomical comparison of the human and bovine thoracolumbar spine. Cotterill PC, et al. **J Orthop Res** 1986; 4(3):298–303

INJURIES

Specific selection of osteosynthetic material in the treatment of thoracic or lumbar spinal injuries by the posterior approach. A review of 165 cases. Lesoin F, et al.
Acta Neurochir (Wien) 1986;81(3–4):118–24
Intraoperative sonographic monitoring of reduction of thoracolumbar burst fractures. McGahan JP, et al. **AJR** 1985 Dec;145(6):1229–32
Analysis of 75 operated thoracolumbar fractures and fracture dislocations with and without neurological deficit. Aebi M, et al. **Arch Orthop Trauma Surg** 1986;105(2):100–12
Spinal injury and computerized tomography: a review of fracture pathology and a new approach to canal decompression. Grant JM, et al. **Aust NZ J Surg** 1986 Apr; 56(4):299–307
Pathological vertebral fractures after spinal manipulation. Austin RT. **Br Med J [Clin Res]** 1985 Oct 19; 291(6502):1114–5
Compression fractures of the dorsal spine in hypoglycaemic fits in diabetes. Nabarro JD. **Br Med J [Clin Res]** 1985 Nov 9;291(6505):1320
Compression fractures of the dorsal spine in hypoglycemic fits in diabetes [letter] Pal B. **Br Med J [Clin Res]** 1985 Dec 7;291(6509):1646
The simultaneous application of an interspinous compressive wire and Harrington distraction rods in the treatment of fracture-dislocation of the thoracic and lumbar spine. Floman Y, et al. **Clin Orthop** 1986 Apr;(205):207–15
Thoracic spine compression fractures in Finland. Härmä M, et al. **Clin Orthop** 1986 Apr;(205):188–94
Complete fracture-dislocation of the thoracic spine associated with spontaneous neurologic decompression. A case report. Harryman DT. **Clin Orthop** 1986 Jun; (207):64–9
Vertebral osteomyelitis secondary to Streptococcus pneumoniae: a pathophysiologic understanding. Schleiter G, et al. **Diagn Microbiol Infect Dis** 1986 May;5(1):77–80
Back pain, vomiting after break-dance mishap. Moses J, et al. **Hosp Pract [Off]** 1985 Mar 15;20(3):100K–100L, 100P
Post-traumatic dorsal pseudomeningocele. Kachooie A, et al. **J Can Assoc Radiol** 1985 Sep;36(3):262–3
Acute intervertebral gas following vertebral fracture: CT demonstration. Tash RR, et al. **J Comput Assist Tomogr** 1986 Jul–Aug;10(4):707–8
Traumatic subarachnoid-pleural fistula. Brown WH, et al. **J Trauma** 1985 Nov;25(11):1105–7
An unusual rotational fracture-dislocation of the thoracic spine without neurologic sequelae internally fixed with a combined anterior and posterior approach. Weber SC, et al. **J Trauma** 1986 May;26(5):474–9
Pneumocephalus secondary to tension pneumothorax associated with comminuted fracture of the thoracic spine. McCall CS, et al. **Neurosurgery** 1986 Jul;19(1):120–2
Comparison of the failure biomechanics of spinal fixation devices. Maiman DJ, et al. **Neurosurgery** 1985 Oct; 17(4):574–80
Classification of injuries to the thoracolumbar spine. Bucholz RW, et al. **Orthop Clin North Am** 1986 Jan;17(1):67–73
The use of Harrington rods in thoracolumbar fractures. Cotler JM, et al. **Orthop Clin North Am** 1986 Jan; 17(1):87–103
Anterior spine stabilization and decompression for thoracolumbar injuries. Dunn HK.
Orthop Clin North Am 1986 Jan;17(1):113–9
Early rod-sleeve stabilization of the injured thoracic and lumbar spine. Edwards CC, et al.
Orthop Clin North Am 1986 Jan;17(1):121–45
An algorithm for the treatment of unstable thoracolumbar fractures. Ferguson RL, et al. **Orthop Clin North Am** 1986 Jan;17(1):105–12
Conservative treatment of fractures of the thoracic and lumbar spine. Krompinger WJ, et al.
Orthop Clin North Am 1986 Jan;17(1):161–70
Plating of thoracic, thoracolumbar, and lumbar injuries with pedicle screw plates. Roy-Camille R, et al.
Orthop Clin North Am 1986 Jan;17(1):147–59
A new device for internal fixation of thoracolumbar and lumbar spine fractures: the 'fixateur interne'. Dick W, et al. **Paraplegia** 1985 Aug;23(4):225–32
A case of a thoracic vertebral body dislocation without neurological signs in a child with neurofibromatosis. Fasanelli S, et al. **Pediatr Radiol** 1986;16(3):262–3
Thoracolumbar fractures. Briscoe CH. **S Afr Med J** 1986 Sep 13;70(6):321–4
Roy-Camille plates in unstable spinal conditions. A preliminary report. Kinnard P, et al. **Spine** 1986 Mar; 11(2):131–5
A biomechanical study of thoracolumbar spinal fractures with bone in the canal. Part I. The effect of laminectomy. Tencer AF, et al. **Spine** 1985 Jul–Aug;10(6):580–5
A biomechanical study of thoracolumbar spinal fractures with bone in the canal. Part II. The effect of flexion angulation, distraction, and shortening of the motion segment. Tencer AF, et al. **Spine** 1985 Jul–Aug;10(6):586–9
[Compression fractures of the thoracic spine in children] Chvátal L, et al. **Rozhl Chir** 1985 Jul;64(7):492–4 (Eng. Abstr.) (Cze)
[Standard operative technic in fresh fractures of the thoracic and lumbar vertebrae] Muhr G, et al. **Aktuel Traumatol** 1985 Oct;15(5):232–7 (Eng. Abstr.) (Ger)
[Sintering behavior of vertebral body fractures during treatment with the 3-point brace] Niethard FU.
Aktuel Traumatol 1985 Aug;15(4):159–64 (Eng. Abstr.) (Ger)
[Bilateral shoulder dislocation fractures, femoral neck and vertebral fractures: a remarkable combination of injuries during an epileptic seizure] Sturzenegger M, et al.
Aktuel Traumatol 1985 Aug;15(4):180–3 (Eng. Abstr.) (Ger)
[Early functional treatment of stable fractures of the thoracic and lumbar spine] Bak Z, et al. **Beitr Orthop Traumatol** 1985 Aug;32(8):391–6 (Eng. Abstr.) (Ger)
[Transpedicular repositioning and spongioplasty in fractures of the vertebral bodies of the lower thoracic and lumbar spine] Daniaux H. **Unfallchirurg** 1986 May;89(5):197–213 (Eng. Abstr.) (Ger)
[Mechanical principle of external fixation for dorsal stabilization of thoracic and lumbar vertebrae] Kluger P, et al. **Unfallchirurgie** 1986 Apr;12(2):68–79 (Eng. Abstr.) (Ger)
[Shear fracture stress of the spongiosa and pressure fracture stress of cortical bone of cadaveric vertebrae] Manitz U, et al. **Z Orthop** 1986 Jan–Feb;124(1):69–72 (Eng. Abstr.) (Ger)
[Considerations on the mechanical characteristics of the

Harrington's instrumentation used in the stabilization of fractures of the thoraco-lumbar spinal. 2] Solini A, et al. **Chir Organi Mov** 1985 Oct-Dec;70(4):359-67 (Eng. Abstr.) (Ita)

[Dorso-lumbar vertebral fractures. Combined approach (posterior and anterior) in 2 stages] Gambacorta D. **Riv Neurobiol** 1984 Apr-Sep;30(2-3):493-501 (Eng. Abstr.) (Ita)

[Two cases of childhood acute lymphoblastic leukemia with osteoporosis and vertebral compression fractures] Tsuji K, et al. **Rinsho Ketsueki** 1986 Feb;27(2):263-8 (Eng. Abstr.) (Jpn)

[Rehabilitation of patients after thoracic spine injury treated by the spring alloplasty method] Kiwerski J. **Chir Narzadow Ruchu Ortop Pol** 1985;50(6):492-5 (Eng. Abstr.) (Pol)

[Treatment of stable spinal fractures by active movement] Demichev NP, et al. **Khirurgiia (Mosk)** 1985 Nov;(11):49-54 (Eng. Abstr.) (Rus)

[Surgical treatment of open fractures of the vertebrae] Tsiv'ian IaL, et al. **Khirurgiia (Mosk)** 1985 Nov;(11):44-8 (Eng. Abstr.) (Rus)

[Therapeutic and diagnostic aspects of inveterate injuries to the thoracic spine] Khvisiuk NI, et al. **Ortop Travmatol Protez** 1986 Apr;(4):31-8 (Eng. Abstr.) (Rus)

[Early activation in the treatment of uncomplicated fractures of vertebral bodies in the lower thoracic and lumbar segments] Okhotskii VP, et al. **Ortop Travmatol Protez** 1986 Jan;(1):36-40 (Eng. Abstr.) (Rus)

[Fractures of the upper thoracic vertebrae and their treatment] Tsiv'ian IaL. **Ortop Travmatol Protez** 1985 Oct;(10):35-7 (Rus)

[Surgical treatment of uncomplicated compression fractures of the thoracic and lumbar vertebrae] Gol'dman BL, et al. **Sov Med** 1985;(7):112-6 (Rus)

[Conservative treatment of uncomplicated fractures of lower thoracic and lumbar vertebrae] Movshovich IA, et al. **Sov Med** 1986;(2):108-10 (Rus)

[Radioisotope scintigraphy in the diagnosis of spinal fractures] Okhotskii VP, et al. **Sov Med** 1985;(6):34-7 (Eng. Abstr.) (Rus)

MICROBIOLOGY

[61 years' survival of Koch's bacillus in a closed focus. Disclosure in a case of spinal cord compression caused by sequelae of Pott's disease] Bouchez B, et al. **Rev Neurol (Paris)** 1985;141(5):420-2 (Eng. Abstr.) (Fre)

PATHOLOGY

Giant-cell reparative granuloma of the thoracic vertebra. Inoue H, et al. **Acta Pathol Jpn** 1986 May;36(5):745-50

Diffuse idiopathic skeletal hyperostosis and ossification of the posterior longitudinal ligament in the thoracic spine. Bozman RE, et al. **Comput Radiol** 1985 Jul-Aug;9(4):243-6

Case report 357: chordoma of the fourth lumbar vertebra metastasizing to the thoracic spine and ribs. Abdelwahab IF, et al. **Skeletal Radiol** 1986;15(3):242-6

Percutaneous trephine bone biopsy of the thoracic spine. Mick CA, et al. **Spine** 1985 Oct;10(8):737-40

[Disco-dorsal vertebral biopsy. Apropos of 150 cases performed under televised radioscopic control] Vallée C, et al. **Ann Radiol (Paris)** 1986;29(2):233-6 (Eng. Abstr.) (Fre)

[Hemihyperplasia of thoracic vertebral segments and aggressive fibromatosis] Rhomberg W, et al. **ROFO** 1986 Jun;144(6):737-8 (Ger)

[Value of punch and puncture drill biopsy in the diagnosis of tuberculous spondylitis] Caerhati MD. **Z Orthop** 1986 Jan-Feb;124(1):79-88 (Eng. Abstr.) (Ger)

[A long-term survivor after the onset of blast crisis of chronic myelogenous leukemia--an autopsy case associated with myeloblastic tumor formation at the periost of the 10th thoracic vertebra] Yonemitsu H, et al. **Rinsho Ketsueki** 1985 May;26(5):772-6 (Eng. Abstr.) (Jpn)

[Thoracolumbar syndrome] Curković B, et al. **Lijec Vjesn** 1986 Feb-Mar;108(2-3):88-91 (Eng. Abstr.) (Scr)

PHYSIOPATHOLOGY

Thoracic idiopathic scoliosis curve evolution and prognosis. Perdriolle R, et al. **Spine** 1985 Nov;10(9):785-91

[Study of the forces exerted by the ribs on the dorsal spine in scoliosis] Capasso G, et al. **Chir Organi Mov** 1985 Jul-Sep;70(3):271-8 (Eng. Abstr.) (Ita)

RADIATION EFFECTS

[2 cases of radiation-induced osteonecroses of the thoracic vertebral bodies after accelerated irradiation of bronchial carcinoma] von Rottkay P. **Strahlentherapie** 1985 Nov;161(11):704-5 (Eng. Abstr.) (Ger)

RADIOGRAPHY

The rib-vertebra angles on the convexity and concavity of the spinal curve in infantile idiopathic scoliosis. Kristmundsdottir F, et al. **Clin Orthop** 1985 Dec;(201):205-9

Vertebra plana: a case report describing the first use of CT in this condition. Castro R. **Del Med J** 1985 Dec;57(12):761-4

Lesions of the spine in heroin addicts. Fabris D, et al. **Ital J Orthop Traumatol** 1985 Jun;11(2):241-8

Computed tomography of solitary spinal osteochondromas. Lanzieri CF, et al. **J Comput Assist Tomogr** 1985 Nov-Dec;9(6):1042-4

Radiological differentiation of tuberculous and pyogenic osteomyelitis: a case report. Peterson CK, et al. **J Manipulative Physiol Ther** 1986 Mar;9(1):39-42

Diagnosing vertebral wedge deformities [letter] Drinka P, et al. **JAMA** 1985 Nov 8;254(18):2560

Platyspondyly in Cushing's syndrome. Luisiri A, et al. **Orthopedics** 1985 Dec;8(12):1530, 1532-7

Observer variation in the detection of osteopenia. Epstein DM, et al. **Skeletal Radiol** 1986;15(5):347-9

Computed tomography in spinal hemangioma with cord compression. Report of two cases. Schnyder P, et al. **Skeletal Radiol** 1986;15(5):372-5

Rib penetration of the intervertebral foraminae in neurofibromatosis. Flood BM, et al. **Spine** 1986 Mar;11(2):172-4

Measurement of axial rotation of vertebrae in scoliosis. Stokes IA, et al. **Spine** 1986 Apr;11(3):213-8

[The significance of narrowed intervertebral disks for the diagnosis of spinal tuberculosis] Stutzer H. **ROFO** 1985 Nov;143(5):595-6 (Ger)

[Calcinosis of the supraspinal ligament--a rare secondary finding] Lotz R, et al. **Rontgenblatter** 1986 Mar;39(3):72-3 (Eng. Abstr.) (Ger)

RADIONUCLIDE IMAGING

[131-iodine meta-iodobenzylguanidine scintigraphy and therapy in malignant pheochromocytoma] Kessel F, et al. **Internist (Berlin)** 1986 Jan;27(1):70-3 (Ger)

SURGERY

Thoracic disc herniations: evolution in the approach and indications. Lesoin F, et al. **Acta Neurochir (Wien)** 1986;80(1-2):30-4

Lumbar and thoracic spinal fusion with transpedicular fixation (including a novel distraction and compression device). A preliminary report. Suezawa Y, et al. **Arch Orthop Trauma Surg** 1986;105(2):126-9

An internal fixator for posterior application to short segments of the thoracic, lumbar, or lumbosacral spine. Design and testing. Krag MH, et al. **Clin Orthop** 1986 Feb;(203):75-98

Segmental spine plates with pedicle screw fixation. A new internal fixation device for disorders of the lumbar and thoracolumbar spine. Steffee AD, et al. **Clin Orthop** 1986 Feb;(203):45-53

Surgical treatment of dorsal and lumbar spinal tuberculosis. Chowdhary UM, et al. **J R Coll Surg Edinb** 1985 Dec;30(6):386-90

Spongious and cortical osteoblastoma of the axial skeleton. Floman Y, et al. **Orthopedics** 1985 Dec;8(12):1478-84

Osteoid osteoma of the thoracic spine with surgical decompression aided by somatosensory evoked potentials. A case report. Balasubramanian E, et al. **Spine** 1985 May;10(4):396-8

The use of autografts for vertebral body replacement of the thoracic and lumbar spine. Cotler HB, et al. **Spine** 1985 Oct;10(8):748-56

Free vascularized fibula transfer for stabilization of the thoracolumbar spine. A case report. Hubbard LF, et al. **Spine** 1985 Dec;10(10):891-3

Aspergillus fumigatus osteomyelitis of the thoracic spine treated by excision and interbody fusion. Nasca RJ, et al. **Spine** 1985 Nov;10(9):848-50

Surgical reconstruction of late post-traumatic thoracolumbar kyphosis. Roberson JR, et al. **Spine** 1985 May;10(4):307-12

Aneurysmal bone cyst of the spine. A case report. Schaffer L, et al. **Spine** 1985 May;10(4):390-3

A transsternal biclavicular approach to the upper anterior thoracic spine. Lesoin F, et al. **Surg Neurol** 1986 Sep;26(3):253-6

[Direct posterolateral approach to dorso-lumbar spinal metastases] Jomin M, et al. **J Chir (Paris)** 1985 Oct;122(10):573-5 (Eng. Abstr.) (Fre)

[Value of approach to the thoracolumbar spine by bilateral transverse arthro-pediculectomy with corporectomy] Jomin M, et al. **Neurochirurgie** 1985;31(4):323-8 (Eng. Abstr.) (Fre)

[Trans-cleido-manubrial approach to the upper thoracic spine (T1-T2)] Marchal JC, et al. **Neurochirurgie** 1985;31(4):317-21 (Eng. Abstr.) (Fre)

[The rare localization of a cartilagenous exostosis of the thoracic spine with multiple manifestations] Anagnostopoulos-Schleep J, et al. **Chirurg** 1986 Apr;57(4):279-82 (Ger)

[Rehabilitation of a 79-year-old patient with paraplegia of the legs following removal of a cavernous hemangioma at the level of the 8th thoracic vertebrae] Hörmann M. **Rehabilitation (Stuttg)** 1986 May;25(2):71-3 (Eng. Abstr.) (Ger)

[Modern aspects of surgical therapy of tuberculous spondylitis] Leibe H. **Z Erkr Atmungsorgane** 1985;165(3):255-8 (Eng. Abstr.) (Ger)

[Obtaining autologous bone marrow from the vertebral bodies of tissue donors] Svedentsov EP, et al. **Gematol Transfuziol** 1986 May;31(5):46-9 (Rus)

[Radical surgical treatment of spondylitis with extrafocal fixation of the spine with the Bizov apparatus] Lavrov VN. **Ortop Travmatol Protez** 1986 Feb;(2):28-31 (Eng. Abstr.) (Rus)

[Method for transplanting vascularized periosteum in the surgical treatment of tuberculous spondylitis] Bellendir EN, et al. **Probl Tuberk** 1986;(1):46-50 (Eng. Abstr.) (Rus)

[Personal experience in the surgical removal of tuberculous foci from the thoracic vertebrae] Maar D, et al. **Acta Chir Orthop Traumatol Cech** 1986 Jul;53(4):344-9 (Eng. Abstr.) (Slo)

THORACOPLASTY

METHODS

Simultaneous brachioplasty, thoracoplasty, and mammoplasty. Hallock GG, et al. **Aesthetic Plast Surg** 1985;9(3):233-5

Thoracoplasty with intercostal myoplasty for closure of an empyema cavity and bronchopleural fistula. Sarkar SK, et al. **Ist Surg** 1985 Jul-Sep;70(3):219-21

[Plastic reconstruction of large defects of the chest wall following tumor resection] Hinze M, et al. **Zentralbl Chir** 1986;111(7):421-5 (Ger)

[Muscular thoracoplasty in pleural empyema] Muromskii IuA, et al. **Grudn Khir** 1985 Jul-Aug;(4):15-8 (Eng. Abstr.) (Rus)

[Modification of intrapleural thoracoplasty] Duzhii ID. **Klin Khir** 1985;(10):65 (Rus)

[Thoracoplasty in scoliosis in children] Kalnyn'kh Iala, et al. **Vestn Khir** 1985 Sep;135(9):93-7 (Eng. Abstr.) (Rus)

THORACOSCOPY

Thoracoscopy--a forgotten endoscopic procedure? Thermann M, et al. **Endoscopy** 1985 Nov;17(6):203-4

Use of thoracoscopy in the management of empyema thoracis. Cronen PW, et al. **Indiana Med** 1985 Nov;78(11):1012-3

Thoracoscopy in pleural and pulmonary disease. Viskum K. **Rev Med Chir Soc Med Nat Iasi** 1985 Apr-Jun;89(2):229-32

[The significance of thoracoscopy in the diagnosis and treatment of spontaneous pneumothorax] Schützner J, et al. **Rozhl Chir** 1986 Apr;65(4):296-302 (Eng. Abstr.) (Cze)

[Results, complications and controlled after-care in thoracoscopic pleural and lung biopsy] Wendel H, et al. **Z Erkr Atmungsorgane** 1985;165(1):42-7 (Eng. Abstr.) (Ger)

[Role of thoracoscopy in the diagnosis and treatment of diseases of the lungs and pleura] Shafirovskil BB, et al. **Probl Tuberk** 1986;(3):66-70 (79 ref.) (Rus)

[Thoracoscopic study in the differential diagnosis of exudative pleurisy] Trakhtenberg AKh, et al. **Sov Med** 1985;(10):85-7 (Rus)

METHODS

[Thoracoscopy in exudative pleurisy] Duzhii ID, et al. **Klin Khir** 1985;(10):40-1 (Eng. Abstr.) (Rus)

THORAX

Value of sonographic screening for gallstones in patients with chest pain and normal coronary arteries. Fein AB, et al. **AJR** 1986 Feb;146(2):337-9

Chest pain protocol. Klein PM. **Ala Med** 1986 Apr;55(10):38-41

Utility of echocardiography for the early assessment of patients with nondiagnostic chest pain. Sasaki H, et al. **Am Heart J** 1986 Sep;112(3):494-7

Cardiac manifestations of complex partial seizures. Devinsky O, et al. **Am J Med** 1986 Feb;80(2):195-202

Influence of electrocardiographic findings on admission decisions in patients with acute chest pain. Hoffman JR, et al. **Am J Med** 1985 Dec;79(6):699-707

More problems with Boyle's law--or, "Vtg or not Vtg, that is the question"[editorial] Castile RG, et al. **Am Rev Respir Dis** 1986 Feb;133(2):184-5

Can thoracic gas volume be measured in infants with airways obstruction? Godfrey S, et al. **Am Rev Respir Dis** 1986 Feb;133(2):245-51

Prophylactic lidocaine in the prehospital patient with chest pain of suspected cardiac origin. Hargarten KM, et al. **Ann Emerg Med** 1986 Aug;15(8):881-5

Diagnostic thoracentesis and pleural biopsy in pleural effusions. Health and Public Policy Committee, American College of Physicians. **Ann Intern Med** 1985 Nov;103(5):799-802

Edrophonium, ergonovine, and the diagnosis of chest pain [letter] Oshin DL. **Ann Intern Med** 1985 Dec;103(6 (Pt 1)):958-9

Easier chest tube insertion [letter] Ring EM. **Ann Thorac Surg** 1986 May;41(5):583-4

Systematic esophageal evaluation of patients with noncardiac chest pain. Chobanian SJ, et al. **Arch Intern Med** 1986 Aug;146(8):1505-8

Diabetic thoracoabdominal neuropathy. A cause for chest and abdominal pain [editorial] Harati Y, et al. **Arch Intern Med** 1986 Aug;146(8):1493-4

Chest pain associated with mitral valve prolapse. Evidence for esophageal origin. Spears PF, et al. **Arch Intern Med** 1986 Apr;146(4):796-7

Another look at musculoskeletal chest wall pain [letter] DiTommaso S. **Can Med Assoc J** 1986 Jan 1;134(1):12-3

Differential diagnosis and clinical approach to the patient with acute chest pain. Rutledge JC, et al. **Cardiol Clin** 1984 May;2(2):257–68 (45 ref.)

Variability, prediction and prognostic significance of chest pain in acute myocardial infarction. Herlitz J, et al. **Cardiology** 1986;73(1):13–21

Traumatic aortocaval fistula presenting as atypical chest pain. Marx M, et al. **Cardiovasc Intervent Radiol** 1986;9(1):17–8

Contraindications for chest physiotherapy [letter] Demers B. **Chest** 1986 Jun;89(6):902–3

Central venous catheter malposition presenting as chest pain. Webb JG, et al. **Chest** 1986 Feb;89(2):309–12

Studies on ergometer exercise testing. I. Significance of the type of ST-segment response, sex, and chest pain. Pellinen TJ, et al. **Clin Cardiol** 1986 Jul;9(7):315–22

Inadvertent gastric balloon inflation within the chest in the management of esophageal varices. McGrath RB. **Crit Care Med** 1986 Jun;14(6):580–2

24-hour recording of esophageal pressure and pH in patients with noncardiac chest pain. Janssens J, et al. **Gastroenterology** 1986 Jun;90(6):1978–84

Abnormal sensory perception in patients with esophageal chest pain. Richter JE, et al. **Gastroenterology** 1986 Oct; 91(4):845–52

Chest pain and hypertension following myelography. Elizaga FV, et al. **Hawaii Med J** 1986 Jan;45(1):17, 21

Acute chest pain: emergency room evaluation. Goldman L. **Hosp Pract [Off]** 1986 Jul 15;21(7):94A–94F, 94J–94L passim

ST elevation with atypical chest pain. Hancock EW. **Hosp Pract [Off]** 1985 Dec 15;20(12):37, 40

Treat—or keep testing? Kassirer JP, et al. **Hosp Pract [Off]** 1986 Feb 15;21(2):41, 44, 49–56

Lymphoma en cuirasse [letter] Saekow M, et al. **J Am Acad Dermatol** 1986 Jun;14(6):1096–8

Variant angina in an 11 year old boy. I. Evaluation of chest pain in children [letter] Brenner JI. **J Am Coll Cardiol** 1985 Nov;6(5):1178

Pain in the chest. Ananthasubramaniam G, et al. **J Assoc Physicians India** 1986 Feb;34(2):145–7

Comparative assessment of 24 hours ambulatory monitoring and treadmill exercise testing in evaluation of chest pain. Kaul UA, et al. **J Assoc Physicians India** 1985 Nov; 33(11):700–3

"Balanced" thoracic drainage is the method of choice to control intrathoracic pressure following repair of diaphragmatic hernia. Tyson KR, et al. **J Pediatr Surg** 1985 Aug;20(4):415–7

Electrocardiography and echocardiography in patients with chest pain and mitral leaflet prolapse. Henderson A, et al. **J R Army Med Corps** 1985 Jun;131(2):79–83

Chest pain following Thanksgiving dinner. Brennan M, et al. **J Tenn Med Assoc** 1986 Mar;79(3):159–60

Anxiety and depression in patients with chest pain referred for exercise testing. Channer KS, et al. **Lancet** 1985 Oct 12;2(8459):820–3

Oesophageal abnormalities in patients with chest pain [letter] Channer KS. **Lancet** 1986 Jan 4;1(8471):42–3

The oesophagus as a cause of recurrent chest pain: which patients should be investigated and which tests should be used? de Caestecker JS, et al. **Lancet** 1985 Nov 23; 2(8465):1143–6

Indications for coronary angiography: changes in laboratory practice over a decade. Hanley PC, et al. **Mayo Clin Proc** 1986 Apr;61(4):248–53

Chest pain in children: identifying a source. Brenner JI, et al. **Md Med J** 1985 May;34(5):481–7

The decision concerning coronary angiography in patients with chest pain. A cost–effectiveness analysis. Doubilet P, et al. **Med Decis Making** 1985 Fall;5(3):293–309

Burning chest pain [letter] Ramp J, et al. **N Engl J Med** 1985 Dec 26;313(26):1662–3

Thrombophlebitis: an unusual cause of chest pain [letter] Faierman D, et al. **NY State J Med** 1985 Oct;85(10):609–10

Chest pain [letter] Rogers WB. **Pediatrics** 1986 Apr; 77(4):617–8

Chest pain and the hyperventilation syndrome—some aetiological considerations. Freeman LJ, et al. **Postgrad Med J** 1985 Nov;61(721):957–61

Chest pain. Owens GM. **Primary Care** 1986 Mar;13(1):55–61

Perceived vulnerability to serious heart disease and persistent pain in patients with minimal or no coronary disease. Wielgosz AT, et al. **Psychosom Med** 1986 Jan–Feb; 48(1–2):118–24

Oesophageal motility during acid–provoked heartburn and chest pain. Kjellén G, et al. **Scand J Gastroenterol** 1985 Oct;20(8):937–40

Investigation of non–cardiac chest pain—which oesophageal test? Lee RJ, et al. **Ulster Med J** 1986 Apr;55(1):49–56

[Cholethorax. A complication of percutaneous transhepatic cholangiography] Thusgaard G, et al. **Ugeskr Laeger** 1985 Jul 15;147(29):2304–5 (Eng. Abstr.) **(Dan)**

[24–hour pH and pressure measurements in the esophagus in the assessment of angina–like chest pain of noncardiac origin] Janssens J. **Verh K Acad Geneeskd Belg** 1985; 47(4):303–18 **(Dut)**

[Chest pain of esophageal origin] Leport J, et al. **Ann Gastroenterol Hepatol (Paris)** 1985 Jul–Sep;21(4):251–5 (35 ref.) **(Fre)**

[Simultaneous appearance of precordial pain and effort–induced left bundle branch block. A study of 6 patients with normal coronary angiography] Bory M, et al. **Arch Mal Coeur** 1985 Sep;78(9):1326–31 (Eng. Abstr.) **(Fre)**

[Atypical thoracic pain and the edrophonium (Tensilon) test (letter)] Bordet E, et al. **Gastroenterol Clin Biol** 1986 Jan; 10(1):88–9 **(Fre)**

[Acute thoracic pain: caused by a bronchial carcinoid] Wassermann K, et al. **Internist (Berlin)** 1986 Jun; 27(6):391–5 **(Ger)**

[Shoulder–thorax pain] Rhyner K, et al. **Schweiz Rundsch Med Prax** 1986 May 13;75(20):591–4 (Eng. Abstr.) **(Ger)**

[Anamnestic study of thoracic pain: comparison of angina and gastroesophageal reflux] Conte MR, et al. **Cardiologia** 1982;27(5):479–84 **(Ita)**

[Repeated chest pain—report of a case] Kawabata M, et al. **Masui** 1985 Dec;34(12):1681–4 (Eng. Abstr.) **(Jpn)**

[Migration of ventriculo–peritoneal shunt into the chest. Case report] Anegawa S, et al. **Neurol Med Chir (Tokyo)** 1986 Mar;26(3):256–61 (Eng. Abstr.) **(Jpn)**

[Studies on dose calculation of thorax inhomogeneity for fast neutron beams from the NIRS cyclotron] Kutsutani–Nakamura Y, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1985 Dec 25; 45(12):1532–9 (Eng. Abstr.) **(Jpn)**

[Two cases of sarcoma arising from the chest wall in chronic pleuritis or pyothorax] Iuchi K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Apr;34(4):500–4 (Eng. Abstr.) **(Jpn)**

[Pathophysiology of chest pain in patients with aortic stenosis and normal coronary vessels] Jakubowski AT. **Pol Tyg Lek** 1986 Mar 3;41(9):286–8 (22 ref.) **(Pol)**

[Clinical meeting of the Brazilian Institute for Studies and Research in Gastroenterology] **Arq Gastroenterol** 1985 Apr–Jun;22(2):93–8 **(Por)**

[Disorders of esophageal motility as a cause of retrosternal pain] Geller LI, et al. **Ter Arkh** 1986;58(2):52–5 **(Rus)**

[Comparative assessment of the value of the veloergometric test and anamnestic data in the diagnosis of coronary artery lesions in persons with pain in the cardiac area] Khal'fen ESh, et al. **Ter Arkh** 1986;58(5):11–4 (Eng. Abstr.) **(Rus)**

[Exertion–induced stenocardia syndrome, cardialgia and the treadmill exercise test in the diagnosis of ischemic heart disease in women] Lipovetskiĭ BM. **Ter Arkh** 1986; 58(5):22–4 (Eng. Abstr.) **(Rus)**

[Hermetic suction drainage of the thoracic cavity] Omanik S. **Rozhl Chir** 1986 Apr;65(4):284–95 (Eng. Abstr.) **(Slo)**

[Intrathoracic foreign body (letter)] Rami Porta R, et al. **Rev Clin Esp** 1986 Feb;178(2):99–100 **(Spa)**

ABNORMALITIES

A healthy newborn girl with absent breath sounds, bradycardia. Eldred L, et al. **Hosp Pract [Off]** 1986 Mar 30;21(3A):83–4

MURCS association with additional congenital anomalies. Greene RA, et al. **Hum Pathol** 1986 Jan;17(1):88–91

Asphyxiating thoracic dystrophy. Phatak AT, et al. **Indian Pediatr** 1986 Jun;23(6):473–6

Thoracic asphyxiating dystrophy. Vatwani V, et al. **Indian Pediatr** 1986 Jun;23(6):470–3

Prenatal ultrasonic diagnosis of fetal thoracic and intrathoracic abnormalities. Meizner I, et al. **Isr J Med Sci** 1986 May;22(5):350–4

Autosomal dominant thoracolaryngopelvic dysplasia: Barnes syndrome. Burn J, et al. **J Med Genet** 1986 Aug;23(4):345–9

A thoracic expansion technique for Jeune's asphyxiating thoracic dystrophy. Todd DW, et al. **J Pediatr Surg** 1986 Feb;21(2):161–3

[Atypical thoracic deformities: evaluation and operative sequelae] Hümmer HP, et al. **Z Orthop** 1985 Nov–Dec; 123(6):913–7 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Possible pitfalls in calculating thoracic and abdominal volumes [letter] Drummond GB, et al. **Anesthesiology** 1985 Dec;63(6):729–30

Anatomical considerations in the design of a long–term implantable human left ventricle assist system. Fujimoto LK, et al. **Artif Organs** 1985 Nov;9(4):361–74

Anatomic structures of the thoracic outlet. By H. Minor Nichols. 1967. **Clin Orthop** 1986 Jun;(207):13–20

An optimum form of regression equation for estimating chest wall thickness in Pu lung counting. Shirotani T, et al. **Health Phys** 1986 Jun;50(6):860–7

Chest morphology of young Bolivian high–altitude residents of European ancestry. Greksa LP. **Hum Biol** 1986 Jun; 58(3):427–43

A structural model of the thoracic cage in the cat. Ruggiero C, et al. **J Theor Biol** 1986 Mar 21;119(2):161–80

The topography of the thoraco–abdominal viscera in the ostrich (Struthio camelus). Bezuidenhout AJ. **Onderstepoort J Vet Res** 1986 Jun;53(2):111–7

Bloodpressure levels and cardiothoracic ratios of a mixed African West Indian community. Patrick AL, et al. **West Indian Med J** 1986 Jun;35(2):76–83

[The retrotracheal space: a radiologic study] Wu SC. **Chung Hua Fang She Hsueh Tsa Chih** 1985 Oct; 19(5):278–81 (Eng. Abstr.) **(Chi)**

[The circumference of the head, thorax and abdomen of Czech children in 1981 based on the results of the National Anthropological Survey] Prokopec M, et al. **Cesk Pediatr** 1986 Apr;41(4):195–201 (Eng. Abstr.) **(Cze)**

[Determining total lung capacity (TLC) based on parameters of maximal expiratory flow–volume curves and simple chest measurements] Liebhart J, et al. **Pneumonol Pol** 1985 Nov–Dec;53(11–12):520–6 (Eng. Abstr.) **(Pol)**

BLOOD SUPPLY

MRI evaluation of mediastinal and thoracic inlet venous obstruction. Weinreb JC, et al. **AJR** 1986 Apr; 146(4):679–84

The vascular territories of the anterior chest wall. Palmer JH, et al. **Br J Plast Surg** 1986 Jul;39(3):287–99

An anatomical landmark for procedures on rat thoracic spinal cord. de Medinaceli L. **Exp Neurol** 1986 Feb;91(2):404–8

Transient thoracic venous collaterals: an incidental CT finding. Gerard PS, et al. **J Comput Assist Tomogr** 1986 Jan–Feb;10(1):75–7

Radionuclide evaluation of the superior vena cava and upper thoracic veins in mediastinal syndrome. Durr–e–Sabih, et al. **JPMA** 1986 Mar;36(3):65–71

[Cord phlebitis of the chest wall, called Mondor's disease] Rettori R. **Chirurgie** 1985;111(5):413–7 **(Fre)**

[Mondor's disease. Thrombophlebitis of the lateral thoracic and thoraco–epigastric veins] Farinella M. **Minerva Cardioangiol** 1986 May;34(5):333–6 (Eng. Abstr.) **(Ita)**

[Arterial system of the head and anterior portion of the trunk of Balaenoptera edeni] Mel'nikov VV. **Arkh Anat Gistol Embriol** 1986 May;90(5):57–63 (Eng. Abstr.) **(Rus)**

[NMR tomography of the major blood vessels in healthy persons] Belenkov IuN, et al. **Ter Arkh** 1986;58(3):13–5 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

The effect of lethal mutations and deletions within the bithorax complex upon the identity of caudal metameres in the Drosophila embryo. Whittle JR, et al. **J Embryol Exp Morphol** 1986 Apr;93:153–66

[Ultrasonic follow–up studies of the role of biparietal and thoracic diameters, as well as placental maturity, in the diagnosis of growth retardation] Kovács L, et al. **Orv Hetil** 1985 Dec 1;126(48):2951–2, 2955–6 (Eng. Abstr.) **(Hun)**

INNERVATION

[A morphological investigation of the thoracic sympathetic trunks and the chain ganglia of human fetuses] Nomura T. **Nippon Ika Daigaku Zasshi** 1985 Aug;52(4):429–56 (Eng. Abstr.) **(Jpn)**

METABOLISM

Plasma neuropeptide y levels rise in patients undergoing exercise tests for the investigation of chest pain. Morris MJ, et al. **Clin Exp Pharmacol Physiol** 1986 May; 13(5):437–40

PATHOLOGY

A logical approach to chest wall neoplasms. Cavanaugh DG, et al. **Ann Thorac Surg** 1986 Apr;41(4):436–7

Changes in lung volume and rib cage configuration with abdominal binding in quadriplegia. McCool FD, et al. **J Appl Physiol** 1986 Apr;60(4):1198–202

Fine needle aspiration biopsy of the thoracic cage including the pleura—clinical value. Sloth M, et al. **Rontgenblatter** 1986 Jan;39(1):5–6

PHYSIOLOGY

Lung and chest wall mechanics during differential ventilation with selective PEEP. Klingstedt C, et al. **Acta Anaesthesiol Scand** 1985 Oct;29(7):716–21

Pulmonary and systemic effects of increased negative inspiratory intrathoracic pressure in dogs. Polianski JM, et al. **Am Rev Respir Dis** 1986 Jan;133(1):49–54

Influence of lung and chest wall compliances on transmission of airway pressure to the pleural space in critically ill patients. Jardin F, et al. **Chest** 1985 Nov;88(5):653–8

Determinants of blood flow to vital organs during cardiopulmonary resuscitation in dogs. Halperin HR, et al. **Circulation** 1986 Mar;73(3):539–50

Interaction of chest wall and abdominal muscles in wind instrument players. A preliminary report. Cugell DW. **Cleve Clin Q** 1986 Spring;53(1):15–20

The effects of thoracic inhomogeneities on the relationship between epicardial and torso potentials. Stanley PC, et al. **IEEE Trans Biomed Eng** 1986 Mar;33(3):273–84

Rib cage and diaphragm–abdomen compliance in humans: effects of age and posture. Estenne M, et al. **J Appl Physiol** 1985 Dec;59(6):1842–8

Functional capacities of lungs and thorax in beagles after prolonged residence at 3,100 m. Johnson RL Jr, et al. **J Appl Physiol** 1985 Dec;59(6):1773–82

Respiratory transfer impedances with pressure input at the mouth and chest. Peslin R, et al. **J Appl Physiol** 1986 Jul; 61(1):81–6

Hemodynamic effects of cardiac cycle–specific increases in intrathoracic pressure. Pinsky MR, et al. **J Appl Physiol** 1986 Feb;60(2):604–12

Passive mechanics of upright human chest wall during immersion from hips to neck. Reid MB, et al.

J Appl Physiol 1986 May;60(5):1561–70
Automated optical measurements of human torso surface movements during breathing. Saumarez RC.
J Appl Physiol 1986 Feb;60(2):702–9
Three degree of freedom description of movement of the human chest wall. Smith JC, et al. J Appl Physiol 1986 Mar;60(3):928–34
Interaction between the leg and surrounding thorax in the beetle. French V. J Embryol Exp Morphol 1986 Feb; 91:227–50
Effect of ventilation by high-frequency oscillation on lung and chest wall mechanics in the dog. Gillespie DJ, et al. Lung 1985;163(6):317–25
Sources of the thoracic cardiogenic electrical impedance signal as determined by a model. Patterson RP.
Med Biol Eng Comput 1985 Sep;23(5):411–7
Intrathoracic pressure in humans exposed to short duration airblast. Young AJ, et al. Milit Med 1985 Sep;150(9):483–6
[Determination of intrathoracic pressure in rats] Ježová E, et al. Cesk Fysiol 1986;35(2):174–80 (Cze)
[Aerodynamic studies of the upper respiratory tract] Rodenstein DO, et al. Acta Otorhinolaryngol Belg 1986; 40(2):339–43 (Eng. Abstr.) (Fre)

PHYSIOPATHOLOGY

The effects of tetraplegia on chest wall statics. Estenne M, et al. Am Rev Respir Dis 1986 Jul;134(1):121–4
Rib cage mobility in pectus excavatum. Mead J, et al.
Am Rev Respir Dis 1985 Dec;132(6):1223–8
Exercise performance of subjects with ankylosing spondylitis and limited chest expansion. Elliott CG, et al.
Bull Eur Physiopathol Respir 1985 Jul–Aug;21(4):363–8
The value of exercise-induced U-wave inversion on ECG chest wall mapping in the identification of individual coronary arterial lesions. Salmasi AM, et al.
Eur Heart J 1985 May;6(5):437–43
Transmission of airway pressure to pleural space during lung edema and chest wall restriction. O'Quin RJ, et al.
J Appl Physiol 1985 Oct;59(4):1171–7

RADIATION EFFECTS

Radiation-induced sarcomas of the chest wall. Souba WW, et al. Cancer 1986 Feb 1;57(3):610–5
Spontaneous pneumothorax following thoracic irradiation. Rowinsky EK, et al. Chest 1985 Nov;88(5):703–8
Surgical management of the radiated chest wall. Arnold PG, et al. Plast Reconstr Surg 1986 Apr;77(4):605–12
Changes in vascular permeability following thorax irradiation in the rat. Evans ML, et al. Radiat Res 1986 Aug; 107(2):262–71
Dosimetry of anterior chest treatment by 10 MV X-rays using a tissue compensating filter. Kubo H.
Radiother Oncol 1985;4(2):185–92

RADIONUCLIDE IMAGING

Diffuse thoracoabdominal radioactivity seen in bone imaging. Shih WJ, et al. Clin Nucl Med 1986 Apr;11(4):254–8
Comparative evaluation of technetium-99m glucoheptonate and gallium-67 citrate thoracic imaging in detection of mediastinal and hilar involvement in primary lung cancer. Taillefer R, et al. Clin Nucl Med 1986 Jan;11(1):15–9
Scintigraphic evaluation of shape of lung and chest in upright and head-down posture. Demedts M, et al.
J Appl Physiol 1986 Feb;60(2):427–32

THORIUM

Radiation protection of workers in mines. Ann ICRP 1986; 16(1):1–21
Toxicity of 228Ra and 228Th relative to 226Ra for bone sarcoma induction in beagles. Lloyd RD, et al.
Strahlentherapie [Sonderb] 1985;80:65–9
The sensitivity of female NMRI mice of different ages for osteosarcoma induction with 227thorium. Luz A, et al.
Strahlentherapie [Sonderb] 1985;80:178–82
Activity ratios of thorium daughters in vivo. Toohey RE, et al. Strahlentherapie [Sonderb] 1985;80:147–50
Activity concentration of exhaled 220Rn and burden of 228Th in workers working at the Bai Yuan iron mine in Innermongolia and in inhabitants living in the high background radiation area in China. Xing-an C, et al.
Strahlentherapie [Sonderb] 1985;80:157–62

ANALYSIS

Radium-226 and 232Th concentration in amang. Hu SJ, et al. Health Phys 1985 Nov;49(5):1003–7
Ingestion estimates of Th and the light rare earth elements based on measurements of human feces. Linsalata P, et al. Health Phys 1986 Jan;50(1):163–7
Ratios of 234U, 238U and 230Th in dog lungs exposed to U ore dust: an interlaboratory comparison. Singh NP, et al. Health Phys 1986 Feb;50(2):292–7
The levels of radioactive materials in some common UK building materials. Cliff KD, et al. Sci Total Environ 1985 Oct;45:181–6
[Uranium, thorium and potassium contents and radioactive equilibrium states of the uranium and thorium series nuclides in phosphate rocks and phosphate fertilizers] Komura K, et al. Radioisotopes 1985 Oct;34(10):529–36 (Eng. Abstr.) (Jpn)
[Determining Th-232 level in bone tissue] Ponikarova TM, et al. Gig Sanit 1985 Sep;(9):67–8 (Rus)

METABOLISM

Levels of 234U, 238U and 230Th in excreta of U mill crushermen [letter] Singh NP, et al. Health Phys 1986 Feb; 50(2):300–3
Thorium excretion from a thorotrast patient. Fisenne JM, et al. Strahlentherapie [Sonderb] 1985;80:151–6
The distribution and decorporation of 234Th in the rat as influenced by the mass of thorium administered. Peter-Witt E, et al. Strahlentherapie [Sonderb] 1985;80:183–5

PHARMACODYNAMICS

Induced formation of chelating agents by Pseudomonas aeruginosa grown in presence of thorium and uranium. Premuzic ET, et al. Arch Environ Contam Toxicol 1985 Nov;14(6):759–68

THORIUM DIOXIDE

The induction of chromosome aberrations in the livers of Chinese hamsters by injected thorotrast. Brooks AL, et al. Strahlentherapie [Sonderb] 1985;80:197–201
Investigation on the effect of incorporated radioactive and nonradioactive particles and their synergism by long-term animal studies—physicochemical and biokinetic properties of zirconium dioxide colloids. Dalheimer AR, et al.
Strahlentherapie [Sonderb] 1985;80:167–71
Lymphocyte doses and chromosome aberrations in Chinese hamsters after injection of thorotrast and zirconotrast. Heinze B, et al. Strahlentherapie [Sonderb] 1985;80:202–6
Assessment of thorotrast redistribution in liver tissue of the rat. Kaul A, et al. Strahlentherapie [Sonderb] 1985; 80:189–96
Liver cancer induction by 241Am and thorotrast in deer mice and grasshopper mice. Taylor GN, et al.
Strahlentherapie [Sonderb] 1985;80:172–7
German Thorotrast Study: results of the long-term animal studies on the effect of incorporated radioactive and nonradioactive particles. Wesch H, et al.
Strahlentherapie [Sonderb] 1985;80:186–8

ADVERSE EFFECTS

Lung cancer in a Thorotrast administered patient. Sadahira Y, et al. Acta Pathol Jpn 1985 Nov;35(6):1467–73
Thorotrast-induced hepatosplenic neoplasia: CT identification. Levy DW, et al. AJR 1986 May; 146(5):997–1004
Cutaneous Thorotrast granulomas and chronic lymphocytic leukemia following Thorotrast angiography. Wargotz ES.
Am J Surg Pathol 1985 Nov;9(11):835–41
Thorotrast-associated mucoepidermoid carcinoma of the liver. Lambrianides AL, et al. Br J Radiol 1986 Aug; 59(704):791–2
Hepatocellular carcinoma after thorotrast exposure: establishment of a new cell line (Mz-Hep-1). Dippold WG, et al. Hepatology 1985 Nov–Dec;5(6):1112–9
Visceral CT findings associated with Thorotrast. Rao BK, et al. J Comput Assist Tomogr 1986 Jan–Feb;10(1):57–61
Radiation-induced primary liver tumors in "Thorotrast patients". van Kaick G, et al.
Recent Results Cancer Res 1986;100:16–22
The radiobiology of radium and thorotrast. Proceedings of a symposium. Neuherberg, 29–31 October 1984.
Strahlentherapie [Sonderb] 1985;80:1–210
Observations on the Danish thorotrast patients. Faber M.
Strahlentherapie [Sonderb] 1985;80:140–2
Dose distribution and lung cancer incidence in thorotrast patients. Hoffmann W, et al. Strahlentherapie [Sonderb] 1985;80:143–6
Pathomorphological study on thorotrast-induced hepatic malignancies. Kojiro M, et al. Strahlentherapie [Sonderb] 1985;80:119–22
Leukaemia induction in man by radionuclides and some relevant experimental and human observations. Mole RH.
Strahlentherapie [Sonderb] 1985;80:1–13 (34 ref.)
Present status of medical study on thorotrast-administered patients in Japan. Mori T, et al.
Strahlentherapie [Sonderb] 1985;80:123–35
Late effects of thorotrast administration: clinical and pathophysiological studies. Sugiyama H, et al.
Strahlentherapie [Sonderb] 1985;80:136–9
Report on the German Thorotrast Study. van Kaick G, et al. Strahlentherapie [Sonderb] 1985;80:114–8
[Use of computed tomography for quantifying Thorotrast and detecting Thorotrast-induced liver tumors] van Kaick G, et al. Radiologe 1986 Mar;26(3):123–8 (Eng. Abstr.) (Ger)
[Pathomorphological study of thorotrast-related intrahepatic cholangiocarcinoma—a comparison with non-thorotrast cases] Kojiro M, et al. Gan No Rinsho 1986 Apr; 32(4):349–55 (Eng. Abstr.) (Jpn)
[Focal nodular hyperplasia-like lesion of the liver associated with thorotrast liver disease—report of a case] Sano Y, et al. Gan No Rinsho 1985 Sep;31(11):1445–50 (Eng. Abstr.) (Jpn)
[An autopsy case of dysmyelopoietic syndrome with marked chromosomal abnormalities induced by thorotrast] Sadamori N, et al. Rinsho Ketsueki 1985 Oct;26(10):1641–6 (Eng. Abstr.) (Jpn)
[Hepatic cholangiocarcinoma and angiosarcoma after the administration of thorotrast (letter)] Bruguera M, et al. Med Clin (Barc) 1985 Oct 19;85(12):516 (Spa)

DIAGNOSTIC USE

Estimation of thorium deposited in Thorotrast patients by CT scanner in comparison with whole body counter. Miyajima J, et al. J Radiat Res (Tokyo) 1985 Jun; 26(2):196–210

THORIUM OXIDE see **THORIUM DIOXIDE**

THORNAPPLE see **STRAMONIUM**

THORNY-HEADED WORMS see **ACANTHOCEPHALA**

THREADWORMS see **ENTEROBIUS**

THREE DAY SICKNESS see **EPHEMERAL FEVER**

THREONINE

Evidence for unique homologous peptide sequences around the glycosylated seryl and threonyl residues in polysialoglycoproteins isolated from the unfertilized eggs of the Pacific salmon Oncorhynchus keta. Shimamura M, et al. Biochemistry 1985 Sep 24;24(20):5470–80
Conformation-dependent O-glycosylation of threonine-containing dipeptides. Maeji NJ, et al.
Carbohydr Res 1986 Jan 15;146(1):174–6
Comparison of conformational properties of proline and threonine residues. Siemion IZ, et al.
Int J Pept Protein Res 1986 Feb;27(2):127–37

ANALOGS & DERIVATIVES

Synthetic N- and O-glycosyl derivatives of L-asparagine, L-serine, and L-threonine. Garg HG, et al.
Adv Carbohydr Chem Biochem 1985;43:135–201 (170 ref.)
Efficacy of glycoprotein inhibitors alone and in combination with trifluridine in the treatment of murine herpetic keratitis. Gordon YJ, et al. Curr Eye Res 1986 Feb;5(2):93–9
Biosynthesis of fluorothreonine and fluoroacetic acid by the thienamycin producer, Streptomyces cattleya. Sanada M, et al. J Antibiot (Tokyo) 1986 Feb;39(2):259–65
Structure of component B (7-mercaptoheptanoylthreonine phosphate) of the methylcoenzyme M methylreductase system of Methanobacterium thermoautotrophicum. Noll KM, et al. Proc Natl Acad Sci USA 1986 Jun;83(12):4238–42

ANTAGONISTS & INHIBITORS

beta-Ethynylserine, an antimetabolite of L-threonine, from Streptomyces cattleya. Sanada M, et al.
J Antibiot (Tokyo) 1986 Feb;39(2):304–5

BIOSYNTHESIS

Fermentation production of L-homoserine by Corynebacterium sp. and its possible use in the preparation of threonine and lysine. Plachý J, et al.
Folia Microbiol (Praha) 1985;30(6):485–92
[Amination in E. coli strains effectively producing threonine] Astaurova OB, et al. Prikl Biokhim Mikrobiol 1985 Sep-Oct;21(5):611–6 (Eng. Abstr.) (Rus)

BLOOD

Threonine kinetics at graded threonine intakes in young men. Zhao XH, et al. Am J Clin Nutr 1986 May;43(5):793–802
Leber's congenital amaurosis associated with hyperthreoninemia. Hayasaka S, et al. Am J Ophthalmol 1986 Apr 15;101(4):475–9

DEFICIENCY

Response of rats to diets of equal chemical score: effect of lysine or threonine as the limiting amino acid and of an amino acid excess. Cieslak DG, et al. J Nutr 1986 Jun; 116(6):969–77

METABOLISM

Phosphorylated threonine as the covalent intermediate in snake venom phosphodiesterase. Culp JS, et al.
Arch Biochem Biophys 1986 Apr;246(1):245–9
Amino acid catabolism by perfused rat hindquarters: degradation of threonine and isoleucine. Scislowski PW, et al. Arch Biochem Biophys 1986 Sep;249(2):620–4
Inhibition of the apparent affinity of the epidermal growth factor receptor caused by phorbol diesters correlates with phosphorylation of threonine-654 but not other sites on the receptor. Davis RJ, et al. Biochem J 1986 Jan 15; 233(2):435–41
Evidence for L-threonine cleavage and allothreonine formation by different enzymes from Clostridium pasteurianum: threonine aldolase and serine hydroxymethyltransferase [letter] Stöcklein W, et al.
Biochem J 1985 Dec 1;232(2):621–2
Characterization of L-threonine and L-glutamine transport in murine P388 leukemia cells in vitro. Presence of an N-like amino acid transport system. Lazarus P, et al.
Biochim Biophys Acta 1986 Apr 25;856(3):488–95
Protein kinase C phosphorylation at Thr 654 of the unoccupied EGF receptor and EGF binding regulate functional receptor loss by independent mechanisms. Lin

CR, et al. **Cell** 1986 Mar 28;44(6):839–48
Metabolism of 2-oxoaldehydes in yeasts. Possible role of glycolytic bypath as a detoxification system in L-threonine catabolism by Saccharomyces cerevisiae. Murata K, et al. **Eur J Biochem** 1986 Jun 2;157(2):297–301
Threonine requirement of pigs weighing 5 to 15 kg. Lewis AJ, et al. **J Anim Sci** 1986 Jun;62(6):1617–23
Directed biosynthesis of paulomycin A. The effect of L-methionine, L-threonine and alpha-ketobutyric acid. Laborde AL, et al. **J Antibiot (Tokyo)** 1985 Oct; 38(10):1426–8
Glucagon influence on gluconeogenesis and oxidation of propionic acid and threonine by perfused ovine liver. Gill W, et al. **J Dairy Sci** 1985 Nov;68(11):2886–94

PHARMACODYNAMICS

The effect of amino-acid-supplemented wheat gluten on cholesterol metabolism in the rat. Bassat M, et al. **Br J Nutr** 1985 Jan;53(1):25–30
Stimulation of DNA synthesis in rat A10 vascular smooth muscle cells by threonine-59 insulin-like growth factor I. Cascieri MA, et al. **Circ Res** 1986 Aug;59(2):171–7
Effects of p-aminobenzoic acid, methionine, threonine and protein levels on susceptibility of mice to Plasmodium berghei. Keshavarz-Valian H, et al. **J Nutr** 1985 Dec; 115(12):1613–20
Effect of dietary level of protein or methionine and threonine on the amino acids and catecholamines in brain of rats fed a high tyrosine diet. Yokogoshi H. **J Nutr Sci Vitaminol (Tokyo)** 1985 Oct;31(5):519–31

THERAPEUTIC USE

L-cysteine, glycine and dl-threonine in the treatment of hypostatic leg ulceration: a placebo-controlled study. Harvey SG, et al. **Pharmatherapeutica** 1985;4(4):227–30

THREONINE DEAMINASE see **THREONINE DEHYDRATASE**

THREONINE DEHYDRASE see **THREONINE DEHYDRATASE**

THREONINE DEHYDRATASE

GENETICS

Molecular cloning and expression of the biodegradative threonine dehydratase gene (tdc) of Escherichia coli K12. Goss TJ, et al. **MGG** 1985;201(2):308–14

ISOLATION & PURIFICATION

Rat liver L-threonine deaminase: properties and purification. Leoncini R, et al. **Biosci Rep** 1985 Jun;5(6):499–508

THREONYL T RNA SYNTHETASE see under **AMINO ACYL T RNA SYNTHETASES**

THROAT see **PHARYNX**

THROMBASE see **THROMBIN**

THROMBASTHENIA see under **BLOOD PLATELET DISORDERS**

THROMBELASTOGRAPHY

Thromboelastographic evaluation of mini-dose heparin in minor surgical procedures. Vernese NA, et al. **Am Surg** 1986 Feb;52(2):112–3
Thrombelastographic diagnosis of blood coagulation in two freshwater fish species. van Vliet KJ, et al. **Comp Biochem Physiol [A]** 1985;82(1):19–21
A thrombelastographic study of the effect of stress on the blood coagulation in Cyprinus carpio (Cyprinidae) and Oreochromis mossambicus (Cichlidae). van Vliet KJ, et al. **Comp Biochem Physiol [A]** 1985;82(1):23–7
Thromboelastographic assays of the clotting process in situations of obesity and caloric restriction. García-Monteavaro ML, et al. **Rev Esp Fisiol** 1986 Mar; 42(1):57–62
[Informativeness of the thromboelastographic method in evaluating coagulative hemostasis in oncological patients] Tiutrin II, et al. **Lab Delo** 1985;(10):600–4 (Eng. Abstr.) **(Rus)**
[Thromboelastography in diseases of the stomach] Murashko VV, et al. **Sov Med** 1986;(5):82–5 **(Rus)**

THROMBIN

Glued periosteal grafts in the knee. Niedermann B, et al. **Acta Orthop Scand** 1985 Dec;56(6):457–60
Autogenous fibrin glue in tympanoplasty. Wolf G. **Am J Otol** 1986 Jul;7(4):287–8
Hemostatic effectiveness of fibrin glue derived from single-donor fresh frozen plasma. Dresdale A, et al. **Ann Thorac Surg** 1985 Oct;40(4):385–7
Common bile duct anastomosis using fibrin glue. Kram HB, et al. **Arch Surg** 1985 Nov;120(11):1250–6
Morphology of rabbit oviduct after reanostomosis with fibrin glue. Spernol R, et al. **Int J Gynaecol Obstet** 1984 Aug; 22(4):295–301
Thrombin-like enzyme from the venom of Bitis gabonica. Purification, properties, and coagulant actions. Pirkle H, et al. **J Biol Chem** 1986 Jul 5;261(19):8830–5
Sutures of fibrin glue for divided rat nerves. Schwann cell and muscle metabolism. Becker CM, et al. **J Reconstr Microsurg** 1984 Oct;1(2):139–45
Fibrin glue as a biologic vascular patch--a comparative study. Barton B, et al. **J Surg Res** 1986 May;40(5):510–3
Blockade of histamine receptors and thrombin-induced microembolic pulmonary edema in the rat. Sandler H, et al. **Microcirc Endothelium Lymphatics** 1985 Aug; 2(4):443–54
A simplified PTT-based protein C activity assay using the thrombin-thrombomodulin complex. Francis RB Jr. **Thromb Res** 1986 Feb 1;41(3):337–44
[Clinical use of fibrin glue in the osteosynthesis of epiphyseal fractures] Havránek P, et al. **Rozhl Chir** 1986 Feb; 65(2):103–5 (Eng. Abstr.) **(Cze)**
[Sterilization reversal with additional use of fibrin glue (Beriplast). Preliminary report] Baumann R, et al. **Geburtshilfe Frauenheilkd** 1986 Apr;46(4):234–6 (Eng. Abstr.) **(Ger)**
[The use of human fibrin glue in microanastomoses of the femoral artery and vein of the rat] Baffoni A, et al. **Boll Soc Ital Biol Sper** 1985 Jul 30;61(7):1015–9 (Eng. Abstr.) **(Ita)**
[Tissucol in plastic surgery: main clinical applications] Azzolini A, et al. **Minerva Chir** 1986 Jun 30; 41(11–12):1025–38 (Eng. Abstr.) **(Ita)**
[Use of human fibrin glue in urologic interventions for calculosis] Canonico S, et al. **Minerva Chir** 1986 Apr 15; 41(7):569–70 **(Ita)**
[Use of fibrin glue in 8 cases of arterial occlusive disease with or without patches] Mozzillo N, et al. **Minerva Chir** 1986 Apr 15;41(7):571–3 **(Ita)**
[Conclusive considerations on the use of fibrin glue in periodontal surgery. Histological controls] Calandriello M, et al. **Minerva Stomatol** 1985 Sep-Oct;34(5):789–94 (Eng. Abstr.) **(Ita)**
[Experimental studies of autologous veingrafts for arterial defect, using fibrin glue] Sugiura K. **Nippon Seikeigeka Gakkai Zasshi** 1985 Nov;59(11):961–71 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Life salvage with fibrin glue in three cases of exsanguinating hemorrhage. Errett L, et al. **Can J Surg** 1986 May; 29(3):214–5, 217
Fibrin glue osteosynthesis of epiphyseal injuries. Havránek P, et al. **Int Surg** 1985 Jul-Sep;70(3):257–61
Extraintracranial anastomosis performed by means of biological gluing materials: experimental and clinical study. Aksik IA, et al. **Microsurgery** 1986;7(1):2–8
The use of intravitreal thrombin to control hemorrhage during vitrectomy. Thompson JT, et al. **Ophthalmology** 1986 Mar;93(3):279–82
Steel occlusion coils: pretreatment with thrombin. McLean GK, et al. **Radiology** 1986 Feb;158(2):549–50
[Nephrotomy closure with fibrin glue] Stackl W. **Z Urol Nephrol** 1986 Mar;79(3):155–7 (Eng. Abstr.) **(Ger)**
[Anastomosis of the ovarian tubes without suture thread using human fibrin glue (Tissucol). Experimental study] Ussia G, et al. **Minerva Ginecol** 1986 Apr;38(4):325–9 (Eng. Abstr.) **(Ita)**
[A newly devised chemo-embolic agent, G. T. XIII-ADM] Sugitachi A, et al. **Gan To Kagaku Ryoho** 1985 Oct; 12(10):1942–3 (Eng. Abstr.) **(Jpn)**
[New hemostatic therapy of bleeding of bladder by technique of drip-irrigation using a thrombin solution] Kimura S, et al. **Hinyokika Kiyo** 1986 Feb;32(2):195–9 (Eng. Abstr.) **(Jpn)**
[Application of fibrin glue to operations in bullous disease] Kuwahara O, et al. **Kyobu Geka** 1986 Jun;39(6):458–60 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Fibrin glue safety: inactivation of potential viral contaminants by pasteurization of the human plasma components. Hilfenhaus J, et al. **Arzneimittelforschung** 1985; 35(11):1617–9
[Pathology and treatment of shock and DIC which complicate endoscopic embolization of esophageal varices with thrombin] Kakishita E, et al. **Rinsho Ketsueki** 1985 Jul;26(7):1098–103 (Eng. Abstr.) **(Jpn)**
[Pathology of shock accompanying endoscopic embolization of esophageal varices using thrombin] Koyama T, et al. **Rinsho Ketsueki** 1986 Jan;27(1):18–21 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Isolation from fetal bovine serum of a peptide similar to the alpha chain of thrombin by reversed-phase high-performance liquid chromatography. Congote LF. **J Chromatogr** 1986 Apr 23;357(1):155–60
High-performance affinity chromatography of human thrombin on modified polystyrene resins. Muller D, et al. **J Chromatogr** 1986 May 30;359:351–7
Anti-D in human thrombin [letter] Dolor MC, et al. **Transfusion** 1986 Mar-Apr;26(2):215
[Rational stabilization of the blood during surgery with extracorporeal circulation in patients with cyanotic tetralogy of Fallot] Iskhmukhametova DN, et al. **Anesteziol Reanimatol** 1986 Jan-Feb;(1):13–7 (Eng. Abstr.) **(Rus)**
[The use of fluorescence spectroscopy for identification of A- and B-thrombin chains during their chromatographic separation] Osadchuk TV, et al. **Ukr Biokhim Zh** 1986 May-Jun;58(3):54–8 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Sensitivity of thrombin and plasmin to heparin and antithrombin III. Bauer PI, et al. **Acta Biochim Biophys Acad Sci Hung** 1985;20(3–4):155–61
Evaluation of inhibitor constants and alkylation rates for a series of thrombin affinity labels. Walker B, et al. **Biochem J** 1985 Sep 15;230(3):645–50
Thrombin-reactive polypeptides of platelets may regulate inhibition of thrombin by antithrombin. Chelladurai M, et al. **Biochim Biophys Acta** 1986 Mar 28;870(2):204–10
Transition-state inhibition of thrombin and trypsin by amidinophenylpyruvates. Tanizawa K, et al. **Biol Chem Hoppe Seyler** 1985 Sep;366(9):871–8
Interaction of pregnancy-associated plasma protein-A (PAPP-A) with coagulation: a bioassay for PAPP-A. Meisser A, et al. **Biol Reprod** 1985 Dec;33(5):1073–7
Pharmacological characterization of a new highly effective synthetic thrombin inhibitor. Kaiser B, et al. **Biomed Biochim Acta** 1985;44(7–8):1201–10
Pertussis toxin inhibits thrombin-induced activation of phosphoinositide hydrolysis and Na+/H+ exchange in hamster fibroblasts. Paris S, et al. **EMBO J** 1986 Jan; 5(1):55–60
S protein modulates the heparin-catalyzed inhibition of thrombin by antithrombin III. Evidence for a direct interaction of S protein with heparin. Preissner KT, et al. **Eur J Biochem** 1986 May 2;156(3):645–50
Acquired thrombin inhibitor in a patient with liver cirrhosis. Barthels M, et al. **Haemostasis** 1985;15(6):395–401
Inhibition of thrombin-catalyzed reactions in blood coagulation and platelet activation by heparin fractions in the absence of antithrombin III. Baruch D, et al. **Haemostasis** 1986;16(2):71–81
Inhibition of some activities of thrombin by a collagen-derived octapeptide. Léger D, et al. **Haemostasis** 1985;15(5):293–9
The effect of bovine thrombomodulin on the specificity of bovine thrombin. Jakubowski HV, et al. **J Biol Chem** 1986 Mar 15;261(8):3876–82
The kinetics of inhibition of alpha-thrombin in human plasma. Jesty J. **J Biol Chem** 1986 Aug 5;261(22):10313–8
Human fibroblasts accelerate the inhibition of thrombin by protease nexin. Farrell DH, et al. **Proc Natl Acad Sci USA** 1986 Sep;83(18):6858–62
Anticoagulant action of synthetic tight binding inhibitors of thrombin in vitro and in vivo. Hauptmann J, et al. **Thromb Res** 1985 Sep 15;39(6):771–5
Effect of NaCl on inactivation of bovine thrombin by antithrombin III in the presence of low affinity-heparin or dextran sulfate. Oshima G, et al. **Thromb Res** 1986 Feb 1;41(3):361–72
The effect of polycations on the inhibitory action of antithrombin III on thrombin in the absence and presence of polyanions. Schiele U, et al. **Thromb Res** 1986 Jul 15; 43(2):187–93
[Synthesis of N-alpha-(8-quinolinesulfonyl)-4-amidinophenylalanine amides as thrombin inhibitors] Horn H, et al. **Pharmazie** 1985 Sep;40(9):615–6 (Eng. Abstr.) **(Ger)**
[Synthesis of N-alpha-(arylsulfonyl-L-prolyl)- and N alpha-(benzyloxycarbonyl-L-prolyl)-D,L-4-amidinophenylalanine amides as inhibitors of thrombin] Voigt B, et al. **Pharmazie** 1986 Apr;41(4):233–5 (Eng. Abstr.) **(Ger)**
[Effect of MD-805, a synthetic thrombin inhibitor, on disseminated intravascular coagulation developing in hematological disorders] Higuchi M, et al. **Rinsho Ketsueki** 1985 Nov;26(11):1754–62 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Tumor cell generation of thrombin via functional prothrombinase assembly. VanDeWater L, et al. **Cancer Res** 1985 Nov;45(11 Pt 1):5521–5
Dissociation of thrombin generation and platelet secretion in diabetes mellitus. Rosove MH, et al. **Diabetes Res** 1985 Jul;2(4):171–3
Interaction of human alpha-thrombin and gamma-thrombin with antithrombin III, protein C and thrombomodulin. Bezeaud A, et al. **Eur J Biochem** 1985 Dec 16;153(3):491–6
Platelet-aggregating activities of metastasizing tumor cells. IV. Effects of cell surface modification on thrombin generation, platelet aggregation and subsequent lung colonization. Tohgo A, et al. **Invasion Metastasis** 1986; 6(1):58–68
Comparison of the abilities of synthetic and platelet-derived membranes to enhance thrombin formation. Jones ME, et al. **Thromb Res** 1985 Sep 15;39(6):711–24
The generation of thrombin in whole plasma. Biochemical possibilities and physiological realities. Hemker HC, et al. **Verh K Acad Geneeskd Belg** 1985;47(5):321–39
[Formation of thrombin and its inactivation by antithrombin

III following repeated intravenous injections of tissue thromboplastin in animals] Pastorova VE.
Biull Eksp Biol Med 1986 May;101(5):527–9 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

[Immunologic diagnosis of intravascular blood clotting and intravascular thrombus formation among patients with ischemic heart disease] Khalfen ESh, et al. **Kardiologiia** 1985 Sep;25(9):94–8 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Affinity chromatography of thrombin on modified polystyrene resins. Yu XJ, et al. **J Chromatogr** 1986 Apr 11;376:429–35

Purification and some chemical properties of thrombin-like enzyme from Trimeresurus flavoviridis venom. Kosugi T, et al. **Thromb Haemost** 1986 Feb 28;55(1):24–30

[The sandwich ELISA for the thrombin-like enzyme of Agkistrodon acutus venom] Zhu LX, et al.
Yao Hsueh Hsueh Pao 1986 Feb;21(2):81–5 (Eng. Abstr.) **(Chi)**

METABOLISM

Activation of duck prothrombin by factor Xa and thrombin. Banaś-Gruszka Z, et al. **Acta Biochim Pol** 1985;32(4):281–4

Mechanism of factor VIII inactivation by human antibodies. III. Proteolytic cleavage of factor VIII:C and C antigen by thrombin. Lazarchick J, et al. **Ann Clin Lab Sci** 1985 Nov–Dec;15(6):482–7

Kinetics of the reaction of thrombin and alpha 2-macroglobulin. Feinman RD, et al. **Biochem J** 1985 Oct 15;231(2):417–23

Human alpha-thrombin binding to nonpolymerized fibrin-Sepharose: evidence for an anionic binding region. Berliner LJ, et al. **Biochemistry** 1985 Nov 19;24(24):7005–9

Alteration of the ATP hydrolysis and actin binding properties of thrombin-cut myosin subfragment 1. Chaussepied P, et al. **Biochemistry** 1986 Mar 11;25(5):1141–9

Proteolytic processing of human factor VIII. Correlation of specific cleavages by thrombin, factor Xa, and activated protein C with activation and inactivation of factor VIII coagulant activity. Eaton D, et al. **Biochemistry** 1986 Jan 28;25(2):505–12

Activation of porcine factor VIII:C by thrombin and factor Xa. Lollar P, et al. **Biochemistry** 1985 Dec 31; 24(27):8056–64

Clotting of fibrinogen. 2. Calorimetry of the reversal of the effect of calcium on clotting with thrombin and with ancrod. Mihalyi E, et al. **Biochemistry** 1985 Jul 2; 24(14):3443–8

Catalytic properties of bovine alpha-thrombin: a comparative steady-state and pre-steady-state study. Ascenzi P, et al. **Biochim Biophys Acta** 1986 Jun 23;871(3):319–23

Multiple complexes of thrombin and heparin. Evington JR, et al. **Biochim Biophys Acta** 1986 May 12;871(1):85–92

The catalysis by heparin of the reaction between thrombin and antithrombin. Evington JR, et al.
Biochim Biophys Acta 1986 Mar 7;870(1):92–101

The size of human factor VIII heterodimers and the effects produced by thrombin. Fay PJ, et al.
Biochim Biophys Acta 1986 Jun 23;871(3):268–78

Affinity labeling of high-affinity alpha-thrombin binding sites on the surface of hamster fibroblasts. Van Obberghen-Schilling E, et al. **Biochim Biophys Acta** 1985 Dec 12;847(3):335–43

Effect of NaCl on the association of thrombin with heparin. Oshima G, et al. **Biopolymers** 1986 Apr;25(4):527–37

Thrombin binding and response in platelets from patients with dysfibroproteinemias: increased stimulus-response coupling in type II hyperlipoproteinemia. Harmon JT, et al. **Blood** 1986 Aug;68(2):498–505 (29 ref.)

Thrombomodulin, an endothelial anticoagulant protein, is absent from the human brain. Ishii H, et al. **Blood** 1986 Feb;67(2):362–5

The kinetics of inhibition of thrombin by antithrombin in the presence of components of the hemostatic system. Jesty J. **Blood** 1985 Nov;66(5):1189–95

Binding of human thrombin to human factor VIII:RAg. Hau L, et al. **Br J Haematol** 1986 Mar;62(3):479–85

An association between the factor VII coagulant activity and thrombin activity induced by surface/cold exposure of normal human plasma. Miller GJ, et al. **Br J Haematol** 1986 Feb;62(2):379–84

Kinetics of hydrolysis of a new peptide substrate containing p-guanidino-L-phenylalanine by trypsin and thrombin. Tsunematsu H, et al. **Chem Pharm Bull (Tokyo)** 1986 Mar; 34(3):1351–4

Thrombin specificity with tripeptide chromogenic substrates: comparison of human and bovine thrombins with and without fibrinogen clotting activities. Sonder SA, et al.
Clin Chem 1986 Jun;32(6):934–7

Kinetics of thrombin-induced release and activation of platelet factor V. Baruch D, et al. **Eur J Biochem** 1986 Jan 2;154(1):213–8

Interaction of human alpha-thrombin and gamma-thrombin with antithrombin III, protein C and thrombomodulin. Bezeaud A, et al. **Eur J Biochem** 1985 Dec 16;153(3):491–6

Structure and function of platelet membrane glycoproteins Ib and V. Effects of leukocyte elastase and other proteases on platelets response to von Willebrand factor and thrombin. Wicki AN, et al. **Eur J Biochem** 1985 Nov 15; 153(1):1–11

Ultrastructural studies of endothelial and platelet receptor binding of thrombin-colloidal gold probes. Handley DA, et al. **Eur J Cell Biol** 1986 Jan;39(2):391–8

Defects of thrombin-induced protein phosphorylation in platelets from stroke-prone spontaneously hypertensive rats. Umegaki K, et al. **FEBS Lett** 1986 Feb 3;196(1):139–44

Regulation of thrombin-induced mast cell degranulation by zinc and manganese. Baranes D, et al. **Immunol Lett** 1986 Mar;12(2–3):95–9

Thrombin-induced vimentin phosphorylation in cultured human umbilical vein endothelial cells. Bormann BJ, et al. **J Biol Chem** 1986 Aug 15;261(23):10471–4

Localization of thrombin cleavage sites in the amino-terminal region of bovine protein S. Dahlbäck B, et al.
J Biol Chem 1986 Apr 15;261(11):5111–5

Association of thrombin-antithrombin III complex with vitronectin in serum. Ill CR, et al. **J Biol Chem** 1985 Dec 15;260(29):15610–5

The prothrombinase-catalyzed activation of prothrombin proceeds through the intermediate meizothrombin in an ordered, sequential reaction. Krishnaswamy S, et al.
J Biol Chem 1986 Jul 5;261(19):8977–84

The turnover of thrombin-thrombomodulin complex in cultured human umbilical vein endothelial cells and A549 lung cancer cells. Endocytosis and degradation of thrombin. Maruyama I, et al. **J Biol Chem** 1985 Dec 15; 260(29):15432–8

Dependence of antithrombin III and thrombin binding stoichiometries and catalytic activity on the molecular weight of affinity-purified heparin. Nesheim M, et al.
J Biol Chem 1986 Mar 5;261(7):3214–21

Molecular weight analysis of antithrombin III–heparin and antithrombin III–thrombin–heparin complexes. Pletcher CH, et al. **J Biol Chem** 1986 Mar 25;261(9):4143–7

Interaction of S-protein of complement with thrombin and antithrombin III during coagulation. Protection of thrombin by S-protein from antithrombin III inactivation. Podack ER, et al. **J Biol Chem** 1986 Jun 5;261(16):7387–92

Formation of meizothrombin as intermediate in factor Xa-catalyzed prothrombin activation. Rosing J, et al.
J Biol Chem 1986 Mar 25;261(9):4224–8

Calcium binding of bovine protein S. Effect of thrombin cleavage and removal of the gamma-carboxyglutamic acid-containing region. Sugo T, et al. **J Biol Chem** 1986 Apr 15;261(11):5116–20

Thrombin uptake and inhibition on endothelium and surfaces with a stable heparin coating: a comparative in vitro study. Arnander C, et al. **J Biomed Mater Res** 1986 Feb; 20(2):235–46

A model of thrombin inactivation in heparinized and nonheparinized tubes with consequences for thrombus formation. Basmadjian D, et al. **J Biomed Mater Res** 1986 May–Jun;20(5):633–51

Immunochemical detection by specific antibody to thrombin of prothrombin conformational changes upon adsorption to artificial surfaces. Chuang HY, et al.
J Biomed Mater Res 1985 Sep;19(7):813–25

Heparinized polyurethanes: in vitro and in vivo studies. Heyman PW, et al. **J Biomed Mater Res** 1985 Apr; 19(4):419–36

Thrombomodulin is present in human plasma and urine. Ishii H, et al. **J Clin Invest** 1985 Dec;76(6):2178–81

Thrombin stimulates the adherence of neutrophils to human endothelial cells in vitro. Zimmerman GA, et al.
J Clin Invest 1985 Dec;76(6):2235–46

Amidolytic assay for procoagulant activity of lymphoid and tumor cells. Lando PA, et al. **J Immunol Methods** 1986 May 1;89(1):131–9

Trypsin activation, partial characterization, and distribution of kallikrein-like and thrombin-like proteases in the neurointermediate lobe of the rat pituitary. Powers CA. **J Neurochem** 1986 Jul;47(1):145–53

Functional domains of rabbit thrombomodulin. Bourin MC, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(16):5924–8

Inositol cyclic triphosphate [inositol 1,2-(cyclic)-4,5-triphosphate] is formed upon thrombin stimulation of human platelets. Ishii H, et al.
Proc Natl Acad Sci USA 1986 Sep;83(17):6397–401

Thrombin activity appearing on the vessel wall after trauma. Dryjski M, et al. **Thromb Haemost** 1985 Dec 17;54(4):773–5

Binding of various thrombin fractions to fibrin and the influence of AT-III on their adsorption. Nilsen DW, et al. **Thromb Haemost** 1986 Jun 30;55(3):352–6

Uptake and inactivation of thrombin on rabbit aortic endothelium studied with two different substrates. Swedenborg J, et al. **Thromb Haemost** 1985 Dec 17; 54(4):828–32

Localization of a thrombin-binding site on human platelet membrane glycoprotein Ib determined by a monoclonal antibody. Yamamoto K, et al. **Thromb Haemost** 1986 Apr 30;55(2):162–7

Thrombin uptake and inhibition on heparinized polytetrafluoroethylene (PTFE) grafts and native sheep vessels. Björck CG, et al. **Thromb Res** 1986 Jun 1; 42(5):605–12

Two separable steps in the development of platelet prothrombin-converting activity. Cox AC, et al.
Thromb Res 1985 Nov 15;40(4):511–22

Specific association of thrombin-antithrombin complexes with a human hepatoma cell line. Fair DS, et al.
Thromb Res 1986 Jan 1;41(1):67–78

The presence of plasma proteins facilitates the uptake of 125I-thrombin by the rabbit thoracic aorta endothelium in vitro. Hatton MW, et al. **Thromb Res** 1986 Jul 1; 43(1):73–86

Reaction of thrombins with human antithrombin III: II. Dependence of rate of inhibition on molecular form and origin of thrombin. Latallo ZS, et al. **Thromb Res** 1986 Sep 1;43(5):523–37

Reaction of thrombins with human antithrombin III. I. Enzyme activity losses unrelated to the inhibitory reaction and their prevention. Latallo ZS, et al. **Thromb Res** 1986 Sep 1;43(5):507–21

Fibrinogen coagulation without thrombin: reaction with vitamin C and copper(II). Marx G, et al. **Thromb Res** 1985 Oct 1;40(1):11–8

Effects of different ions on the interactions of heparin with bovine antithrombin III and thrombin. Oshima G, et al. **Thromb Res** 1986 May 1;42(3):375–82

Thrombomodulin inhibits the activation of factor XIII by thrombin. Polgár J, et al. **Thromb Res** 1986 Sep 1; 43(5):685–90

Soluble fibrinogen derivatives generated by thrombin: affinity for elastin. Rabaud M, et al. **Thromb Res** 1986 Jul 15; 43(2):205–11

Kinetic study on the initial stage of the fibrinogen–fibrin conversion by thrombin. (IV). Effects of heparin and its analogues. Sato H, et al. **Thromb Res** 1985 Sep 1; 39(5):549–57

Thrombin generation during collection and storage of blood. Skjønsberg OH, et al. **Vox Sang** 1986;50(1):33–7

[Experimental animal research on the thrombolytic effect of acyl-plasmin] Nowak G, et al. **Folia Haematol (Leipz)** 1986; 113(1–2):144–50 (Eng. Abstr.) **(Ger)**

[Receptors on the platelet membrane] Watanabe K, et al. **Rinsho Byori** 1985 Jul;33(7):726–33 (22 ref.) **(Jpn)**

[Interaction of fibrinogen with two forms of fibrin differing in the degree of activation by thrombin] Belitser VA, et al. **Biokhimiia** 1985 Aug;50(8):1336–41 (Eng. Abstr.) **(Rus)**

[Effect of partial reduction of disulfide bonds on the enzymatic activity of thrombin] Serelskaia AA, et al.
Biokhimiia 1985 Aug;50(8):1278–83 (Eng. Abstr.) **(Rus)**

[Heparin-induced impairment of thrombin interaction with fibrinogen and receptors of the anti-coagulation system] Strukova SM, et al. **Vopr Med Khim** 1986 May–Jun; 32(3):132–6 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Increased permeability of microcarrier-cultured endothelial monolayers in response to histamine and thrombin. A model for the in vitro study of increased vasopermeability. Killackey JJ, et al. **Am J Pathol** 1986 Jan;122(1):50–61

Influence of adrenoceptors on thrombin-induced phosphoinositide metabolism in rat platelets. Koutouzov S, et al. **Biochem Biophys Res Commun** 1985 Nov 15; 132(3):1051–8

Diacylglycerol lipase pathway is a minor source of released arachidonic acid in thrombin-stimulated human platelets. Mahadevappa VG, et al. **Biochem Biophys Res Commun** 1986 Feb 13;134(3):1327–33

Inhibitory action of cyclic GMP on secretion, polyphosphoinositide hydrolysis and calcium mobilization in thrombin-stimulated human platelets. Nakashima S, et al. **Biochem Biophys Res Commun** 1986 Mar 28; 135(3):1099–104

Leupeptin selectively inhibits human platelet responses induced by thrombin and trypsin; a role for proteolytic activation of phospholipase C. Ruggiero M, et al.
Biochem Biophys Res Commun 1985 Sep 30;131(3):1198–205

Kinetic differences between thrombin-induced and ADP-induced calcium influx and release from internal stores in fura-2-loaded human platelets. Sage SO, et al. **Biochem Biophys Res Commun** 1986 May 14;136(3):1124–9

Arachidonate mobilization in diacyl, alkylacyl and alkenylacyl phospholipids on stimulation of rat platelets by thrombin and the Ca2+ ionophore A23187. Colard O, et al. **Biochem J** 1986 Feb 1;233(3):691–5

Mechanisms of thrombin-induced modifications of human platelet cytoskeleton. Sinigaglia F, et al. **Biochem J** 1985 Nov 15;232(1):305–8

Human platelets stimulated by thrombin produce platelet-activating factor (1-O-alkyl-2-acetyl-sn-glycero-3-phosphocholine) when the degrading enzyme acetyl hydrolase is blocked. Touqui L, et al. **Biochem J** 1985 Aug 1;229(3):811–6

The effect of tetradecanoylphorbol acetate on calcium-ion mobilization, protein phosphorylation and cytoskeletal assembly induced by thrombin or arachidonate. Cox AC, et al. **Biochim Biophys Acta** 1986 May 29;886(3):390–8

Differential effects of spermine on aggregation, inositol phosphate formation and protein phosphorylation in human platelets in response to thrombin, arachidonic acid and lysophosphatidic acid. Israels SJ, et al.
Biochim Biophys Acta 1986 Sep 4;883(2):247–52

Effect of acetylglyceryl ether phosphocholine (platelet-activating factor) and thrombin on acylation of exogenous lysophosphoglycerides in rabbit platelets. Piéroni G, et al. **Biochim Biophys Acta** 1986 Jun 11; 877(1):61–7

Phorbol esters modulate thrombin-operated calcium mobilisation and dense granule release in human platelets.

Poll C, et al. **Biochim Biophys Acta** 1986 May 29; 886(3):434–40

Elongation of arachidonic and eicosapentaenoic acids limits their availability for thrombin–stimulated release from the glycerolipids of vascular endothelial cells. Rosenthal MD, et al. **Biochim Biophys Acta** 1986 Feb 12;875(2):382–91

Thrombin causes subsecond changes in protein phosphorylation of platelets. Carty DJ, et al. **Blood** 1986 Jun;67(6):1738–43

Platelet–leukocyte interaction: selective binding of thrombin–stimulated platelets to human monocytes, polymorphonuclear leukocytes, and related cell lines. Jungi TW, et al. **Blood** 1986 Mar;67(3):629–36

Transient activation of the acetyltransferase necessary for paf–acether biosynthesis in thrombin–activated platelets. Coëffier E, et al. **Br J Haematol** 1986 Apr;62(4):641–51

Atherosclerosis impairs endothelium–dependent vascular relaxation to acetylcholine and thrombin in primates. Freiman PC, et al. **Circ Res** 1986 Jun;58(6):783–9

Effects of a fibrin–sealant wound dressing on the healing of full–thickness wounds of the hard palate: preliminary report. Bishara SE, et al. **Cleft Palate J** 1986 Apr; 23(2):144–52

alpha–Thrombin–induced early mitogenic signalling events and G0 to S–phase transition of fibroblasts require continual external stimulation. Van Obberghen–Schilling E, et al. **EMBO J** 1985 Nov;4(11):2927–32

Prazosin but not rauwolscine reduces a component of the constrictor action of thrombin in the rabbit femoral artery. Garland CJ, et al. **Eur J Pharmacol** 1985 Jul 11;113(1):151–2

Thrombin–mast cell interactions. Binding and cell activation. Razin E, et al. **Exp Cell Res** 1985 Oct;160(2):380–6

Effects of thrombin, phorbol myristate acetate and prostaglandin D2 on 40–41 kDa protein that is ADP ribosylated by pertussis toxin in platelets. Halenda SP, et al. **FEBS Lett** 1986 Aug 18;204(2):341–6

EGF and insulin action in fibroblasts. Evidence that phosphoinositide hydrolysis is not an essential mitogenic signalling pathway. L'Allemain G, et al. **FEBS Lett** 1986 Mar 3;197(1–2):344–8

Comparison of the modes of action of Ca2+ ionophore A23187 and thrombin in protein kinase C activation in human platelets. Sano K, et al. **FEBS Lett** 1985 Nov 11; 192(1):4–8

Thrombin–induced degranulation of cultured bone marrow–derived mast cells: effect on calcium uptake. Pervin R, et al. **Immunology** 1985 Dec;56(4):667–72

Effect of prostacyclin on pulmonary vascular response to thrombin in awake sheep. Perlman MB, et al. **J Appl Physiol** 1986 Feb;60(2):546–53

Proteolytic cleavage of vitamin K–dependent bovine plasma protein S by alpha–thrombin and plasma serine protease. Morita T, et al. **J Biochem (Tokyo)** 1986 Feb;99(2):561–8

Thrombin stimulates c–sis gene expression in microvascular endothelial cells. Daniel TO, et al. **J Biol Chem** 1986 Jul 25;261(21):9579–82

R 59 022, a diacylglycerol kinase inhibitor. Its effect on diacylglycerol and thrombin–induced C kinase activation in the intact platelet. de Chaffoy de Courcelles DC, et al. **J Biol Chem** 1985 Dec 15;260(29):15762–70

The activation of pro–urokinase by plasma kallikrein and its inactivation by thrombin. Ichinose A, et al. **J Biol Chem** 1986 Mar 15;261(8):3486–9

Modified platelet responses to thrombin. Evidence for two types of receptors or coupling mechanisms. McGowan EB, et al. **J Biol Chem** 1986 Jan 15;261(2):739–46

Inhibitors of Na+/H+ exchange block stimulus–provoked arachidonic acid release in human platelets. Selective effects on platelet activation by epinephrine, ADP, and low–er concentrations of thrombin. Sweatt JD, et al. **J Biol Chem** 1985 Oct 25;260(24):12910–9

Mechanism of thrombin–induced endothelium–dependent coronary vasodilation in dogs: role of its proteolytic enzymatic activity. Ku DD. **J Cardiovasc Pharmacol** 1986 Jan–Feb;8(1):29–36

Fibronectin potentiates actin polymerization in thrombin–activated platelets. Cierniewski CS, et al. **J Cell Biochem** 1986;30(1):71–7

Alpha–thrombin induces release of platelet–derived growth factor–like molecule(s) by cultured human endothelial cells. Harlan JM, et al. **J Cell Biol** 1986 Sep;103(3):1129–33

Thrombin–induced chemotaxis and aggregation of neutrophils. Bizios R, et al. **J Cell Physiol** 1986 Sep; 128(3):485–90

Thrombin–induced increase in albumin permeability across the endothelium. Garcia JG, et al. **J Cell Physiol** 1986 Jul; 128(1):96–104

Effects of EGF and thrombin on inositol–containing phospholipids of cultured fibroblasts: stimulation of phosphatidylinositol synthesis by thrombin but not EGF. Raben DM, et al. **J Cell Physiol** 1985 Dec;125(3):582–90

Thrombin induction of plasminogen activator–inhibitor in cultured human endothelial cells. Gelehrter TD, et al. **J Clin Invest** 1986 Jan;77(1):165–9

Alpha adrenoceptor antagonists selectively reduce thrombin–stimulated contraction in rabbit arteries. Garland CJ, et al. **J Pharmacol Exp Ther** 1986 Sep;238(3):947–53

Identification of a thrombin sequence with growth factor activity on macrophages. Bar–Shavit R, et al. **Proc Natl Acad Sci USA** 1986 Feb;83(4):976–80

Thrombin–elicited contractile responses of aortic smooth muscle. Walz DA, et al. **Proc Soc Exp Biol Med** 1985 Dec; 180(3):518–26

Indomethacin inhibits thrombin–, but not thyroxin–stimulated resorption of fetal rat limb bones. Hoffmann O, et al. **Prostaglandins** 1986 Apr;31(4):601–8

Inhibition of rabbit platelet aggregation by alpha–fibrinogenase purified from Calloselasma rhodostoma (Malayan pit viper) venom. Ouyang C, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Nov;84(11):1197–206

Thrombin induces thromboplastin synthesis in cultured vascular endothelial cells. Galdal KS, et al. **Thromb Haemost** 1985 Aug 30;54(2):373–6

Functional involvement of thrombospondin in platelet aggregation induced by low versus high concentrations of thrombin. Kao KJ, et al. **Thromb Haemost** 1986 Feb 28; 55(1):136–42

Fibrinogen Bergamo I (A alpha 16Arg——Cys): susceptibility towards thrombin following aminoethylation, methylation or carboxamidomethylation of cysteine residues. Reber P, et al. **Thromb Haemost** 1985 Aug 30; 54(2):390–3

Synergism between thrombin and epinephrine in human platelets: different dose–response relationships for aggregation and dense granule secretion. Steen VM, et al. **Thromb Haemost** 1985 Oct 30;54(3):680–3

Potentiation with epinephrine of macaque platelet aggregation by other agonists: implications for studies on human atherosclerosis. Beatty CH, et al. **Thromb Res** 1986 Feb 15;41(4):447–58

Trequinsin analogues as modulators of the thrombin–mediated reactions in haemostasis. Blaskó G, et al. **Thromb Res** 1986 Jul 15;43(2):249–50

Interrelationship between secretion, protein phosphorylation and intracellular Ca2+ concentration in platelets stimulated by thrombin or thromboxane A2 analogue. Hatayama K, et al. **Thromb Res** 1986 Mar 15;41(6):761–70

Influence of alpha– and beta–adrenoceptors on thrombin–induced serotonin release in rat platelets. Koutouzov S, et al. **Thromb Res** 1985 Oct 15;40(2):147–59

Leukotrienes potentiate the effects of epinephrine and thrombin on human platelet aggregation. Mehta P, et al. **Thromb Res** 1986 Mar 1;41(5):731–8

Thrombin–induced vasoconstriction in isolated cerebral arteries and the influence of a synthetic thrombin inhibitor. Nakamura K, et al. **Thromb Res** 1985 Dec 1;40(5):715–20

Studies on the role of thromboxane in thrombin–induced pulmonary insufficiency in the rat. Sandler H, et al. **Thromb Res** 1986 Apr 15;42(2):165–75

Thrombin enhanced adhesion of platelets to von Willebrand factor substrates. Santoro SA, et al. **Thromb Res** 1986 Jul 1;43(1):57–72

Release of heparan sulfate proteoglycans from cultured aortic endothelial cells by thrombin. Shimada K, et al. **Thromb Res** 1985 Aug 15;39(4):387–97

Effect of thrombin and endotoxin on the in vivo metabolism of antithrombin III (AT III) in dogs. Tanaka H, et al. **Thromb Res** 1985 Nov 1;40(3):291–306

Species difference in the fibrinogenolytic effects of alpha– and beta–fibrinogenases from Trimeresurus mucrosquamatus snake venom. Teng CM, et al. **Toxicon** 1985;23(5):777–82

[Experimental evaluation of the reinforcement effect of fibrin glue on intestinal anastomosis with an original in vivo method] Rendano F, et al. **Boll Soc Ital Biol Sper** 1985 Sep 30;61(9):1335–42 (Eng. Abstr.) **(Ita)**

[Human fibrin glue in the treatment of injuries of parenchymatous organs. Experimental research] Selvaggi F, et al. **Minerva Chir** 1986 Apr 15;41(7):575–6 (Eng. Abstr.) **(Ita)**

[Protease–binding protein and its role in regulating the action of thrombin on cells] Monastyrskiĭ VA, et al. **Gematol Transfuziol** 1986 Jun;31(6):48–51 (32 ref.) **(Rus)**

[Effect of alternating pressure on thrombin–stimulated thrombocytes] Markosian RA, et al. **Kardiologiia** 1986 Feb; 26(2):94–7 (Eng. Abstr.) **(Rus)**

[Effect of thrombin and prostaglandins E and F on various indices of carbohydrate metabolism in human platelets] Makarov SA, et al. **Vopr Med Khim** 1985 Sep–Oct; 31(5):68–71 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Blood coagulation–fibrinolytic system and endothelial cells. Machovich R. **Acta Biochim Biophys Acad Sci Hung** 1985; 20(3–4):135–53

The effect of thrombin activated factor XIII, thrombin and plasmin on the chemiluminescence produced by human neutrophils stimulated by opsonized zymosan (Mannozym). Sipka S, et al. **Acta Med Hung** 1985;42(3–4):187–91

Micropipette aspiration of human platelets after exposure to aggregating agents. Burris SM, et al. **Arteriosclerosis** 1986 May–Jun;6(3):321–5

Fructose 2,6–bisphosphate in human platelets: its possible role in the control of basal and thrombin–stimulated glycolysis. Farnararo M, et al. **Biochem Biophys Res Commun** 1986 Jul 31;138(2):666–72

The role of thrombin in the regulation of the endothelial prostaglandin production. de Groot PG, et al. **Biochim Biophys Acta** 1985 Sep 30;846(3):342–9

Mepacrine (quinacrine) inhibition of thrombin–induced platelet responses can be overcome by lysophosphatidic acid. McCres JM, et al. **Biochim Biophys Acta** 1985 Oct 17;842(2–3):189–94

Glycoprotein V is not the thrombin activation receptor on human blood platelets. Bienz D, et al. **Blood** 1986 Sep; 68(3):720–5

Proteolytic inactivation of blood coagulation factor IX by thrombin. Kisiel W, et al. **Blood** 1985 Dec;66(6):1302–8

Thrombin clotting activity measurement and standardization with lyophilized plasma. Fenton JW 2d, et al. **Clin Chem** 1986 Feb;32(2):320–4

Differences in reactivity of confluent and nonconfluent cultures of human endothelial cells toward thrombin–stimulated platelets or heparinized salt solution. Solberg S, et al. **In Vitro Cell Dev Biol** 1985 Nov; 21(11):612–6

Importance of continued activation of thrombin reflected by fibrinopeptide A to the efficacy of thrombolysis. Eisenberg PR, et al. **J Am Coll Cardiol** 1986 Jun;7(6):1255–62

Injury to cultured endothelial cells by thrombin–stimulated platelets. Jørgensen L, et al. **Lab Invest** 1986 Apr; 54(4):408–15

Treatment of human platelets with trypsin, thrombin, or collagen inhibits the pertussis toxin–induced ADP–ribosylation of a 41–kDa protein. Lapetina EG, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(16):5880–3

Adhesion and aggregation of thrombin prestimulated human platelets: evaluation of surface–bound fibrinogen and surface–bound albumin. Feuerstein IA, et al. **Thromb Res** 1986 Sep 1;43(5):497–505

Thrombus formation by the application of thrombin to the outer surface of mouse mesenteric vein: comparison with the application of ADP. Hatanaka K, et al. **Thromb Res** 1985 Dec 15;40(6):731–43

The use of the platelet aggregometer to monitor thrombin–induced conversion of fibrinogen to fibrin. Ruda EM, et al. **Thromb Res** 1985 Dec 1;40(5):703–9

Sustained proteolysis is required for human platelet activation by thrombin. Ruggiero M, et al. **Thromb Res** 1986 Apr 15;42(2):247–55

[Biochemistry of tumor cell thrombosis: thrombin as growth hormone] Bruhn HD. **Behring Inst Mitt** 1986 Feb;(79):31–6 (Eng. Abstr.) **(Ger)**

[Modulation of the platelet aggregation capacity by modified forms of thrombin] Luk'ianenko EF, et al. **Biokhimiia** 1985 Sep;50(9):1433–9 (Eng. Abstr.) **(Rus)**

[Thrombin–plasmin system as a regulator of the aggregate state of body colloids] Monastyrskiĭ VA. **Gematol Transfuziol** 1985 Aug;30(8):3–9 (18 ref.) (Eng. Abstr.) **(Rus)**

[Thrombin–mediated interaction between platelets and FvW present in commercial preparations and cryoprecipitate] López Fernández MF, et al. **Sangre (Barc)** 1985;30(5):871–9 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Studies on prevention of intra–abdominal adhesion formation by fibrin sealant. An experimental study in rats. Lindenberg S, et al. **Acta Chir Scand** 1985;151(6):525–7

Fixation of osteochondral fractures. Fibrin sealant tested in dogs. Keller J, et al. **Acta Orthop Scand** 1985 Aug; 56(4):323–6

Coagulation of aneurysms by direct percutaneous thrombin injection. Cope C, et al. **AJR** 1986 Aug;147(2):383–7

Management of experimental pneumothorax in weanling rabbits with the use of fibrin glue sclerosant. Goldman CD, et al. **Arch Surg** 1986 May;121(5):565–8

Initial experience with thrombin as injection agent for bleeding gastroduodenal lesions. Fuchs KH, et al. **Endoscopy** 1986 Jul;18(4):146–8

Biomechanical properties and collagen formation in subcutaneously implanted cellulose sponges treated with fibrin sealant. Andreassen TT, et al. **Eur Surg Res** 1985; 17(4):264–8

Fibrin adhesive sealing of ureter after ureteral stone surgery. A controlled clinical trial. Schultz A, et al. **Eur Urol** 1985; 11(4):267–8

Clinical experience in oral surgery with human fibrin sealant. Petersen JK. **Int Dent J** 1985 Dec;35(4):277–9

Tissucol in closure of oroantral communication. A pilot study. Stajčić Z, et al. **Int J Oral Surg** 1985 Oct;14(5):444–6

Experimental use of fibrin sealant for skin graft fixation in mandibular vestibuloplasty. Gregory EW, et al. **J Oral Maxillofac Surg** 1986 Mar;44(3):171–6

Traumatic liver laceration in the newborn: repair with fibrin glue. Blocker SH, et al. **J Pediatr Surg** 1986 Apr; 21(4):369–71

The technique of fibrin adhesion for premature rupture of the membranes during pregnancy. Baumgarten K, et al. **J Perinat Med** 1986;14(1):43–9

Fibrin seal—an alternative to suture repair in experimental pulmonary surgery. Bergsland J, et al. **J Surg Res** 1986 Apr;40(4):340–5

Tracheal repair with fibrin glue. Kram HB, et al. **J Thorac Cardiovasc Surg** 1985 Nov;90(5):771–5

A method of treating serous fluid leak from a polytetrafluoroethylene Blalock–Taussig shunt. Maitland A, et al. **J Thorac Cardiovasc Surg** 1985 Nov;90(5):791–3

A comparison of isobutyl 2–cyanoacrylate glue, fibrin adhesive, and oxidized regenerated cellulose for control of needle hole bleeding from polytetrafluoroethylene vascular prostheses. Barbalinardo RJ, et al. **J Vasc Surg** 1986 Sep;4(3):220–3

Diagnostic and therapeutic technology assessment. Endoscopic topical therapy of gastrointestinal tract hemorrhage. **JAMA** 1985 May 10;253(18):2734–5

Evaluation of fibrin glue in rat sciatic nerve repairs. Cruz NI, et al. **Plast Reconstr Surg** 1986 Sep;78(3):369–73

Endoscopic treatment of bronchus stump fistulae following pneumonectomy with fibrin sealant in domestic pigs. Waclawiczek HW, et al. **Thorac Cardiovasc Surg** 1985 Dec; 33(6):344–6

[Use of fibrin glue in osteochondrites and osteochondral fractures] Hansen H, et al. **Ugeskr Laeger** 1986 Jul 7; 148(28):1758–9 (Eng. Abstr.) (Dan)

[Watertight closure of spinal and intracranial dural defects with a fibrin tissue adhesive] Ongaard O, et al. **Ugeskr Laeger** 1985 Dec 9;147(50):4106–7 (Eng. Abstr.) (Dan)

[Treatment of testicular hydroceles with puncture and injection of fibrin glue (Tisseel)] Thorup J, et al. **Ugeskr Laeger** 1986 Jul 7;148(28):1759–60 (Eng. Abstr.) (Dan)

[Functional and anatomical results of tympanoplasty using a fibrin glue] Dvořák-vá J, et al. **Acta Univ Palacki Olomuc Fac Med** 1984;107:341–52 (Ger)

[Treatment of fresh Achilles tendon ruptures with fibrin glue] Winter U. **Aktuel Traumatol** 1985 Oct;15(5):219–21 (Eng. Abstr.) (Ger)

[Lymph fistulae following lymph node dissections—prevention and treatment using fibrin gluing] Waclawiczek HW, et al. **Chirurg** 1986 May;57(5):330–1 (Eng. Abstr.) (Ger)

[Experience with fibrin glue in type-III tympanoplasty with stapes elevation] Haid T, et al. **HNO** 1985 Oct; 33(10):458–62 (Eng. Abstr.) (Ger)

[Fibrin gluing in ophthalmic surgery] Friess HG, et al. **Wien Klin Wochenschr** 1986 May 30;98(11):346–7 (Eng. Abstr.) (Ger)

[Clinical experience with fibrin gluing in general and thoracic surgery] Waclawiczek HW, et al. **Zentralbl Chir** 1986; 111(1):16–24 (Eng. Abstr.) (Ger)

[Percutaneous fibrin gluing in subcutaneous cerebrospinal fluid fistulas following operations on the brain and spinal cord] Knöringer P. **Zentralbl Neurochir** 1985;46(3):256–62 (Eng. Abstr.) (Ger)

[Persistent post-surgical bronchopleural fistulas. Proposal of an original method of treatment] Coloni GF, et al. **Minerva Chir** 1985 Jul 15–31;40(13–14):973–7 (Eng. Abstr.) (Ita)

[Study of coagulum pyelolithotomy] Mori Y, et al. **Hinyokika Kiyo** 1986 Apr;32(4):513–7 (Eng. Abstr.) (Jpn)

THROMBIN TIME see under **BLOOD COAGULATION TESTS**

THROMBOANGIITIS OBLITERANS

BLOOD

Increased level of plasma factor VIII-related antigen in peripheral arterial disease. Uza G, et al. **Med Interne** 1985 Jul–Sep;23(3):171–5

Fibrinolytic activity of prostacyclin and iloprost in patients with peripheral arterial disease. Musial J, et al. **Prostaglandins** 1986 Jan;31(1):61–70

[Rheological changes in the blood and disseminated intravascular coagulation (DIC) in systemic vasculitis] Kuznetsov IuA. **Ter Arkh** 1985;57(8):139–43 (Eng. Abstr.) (Rus)

[A method of correction of hemorheological disorders in patients with thromboobliterating diseases of the peripheral arteries of the limbs] Litmanovich KIu, et al. **Vestn Khir** 1985 Jul;135(7):96–9 (Eng. Abstr.) (Rus)

COMPLICATIONS

Acute myocardial infarction in Buerger's disease. Ohno H, et al. **Am J Cardiol** 1986 Mar 1;57(8):690–1

Thromboangiitis obliterans—its overwhelming incidence in lower limbs; a plausible explanation. Kamath MV. **Angiology** 1985 Dec;36(12):880–3

[Thromboangiitis obliterans and distal gangrene in a 5-year-old child] Marandian MH, et al. **Pediatrie** 1985 Dec; 40(8):653–7 (Eng. Abstr.) (Fre)

[Two cases of IgA nephropathy associated with Buerger's disease (thromboangiitis obliterans)] Takeuchi A, et al. **Nippon Jinzo Gakkai Shi** 1985 Aug;27(8):1209–15 (Jpn)

DRUG THERAPY

A report on the use of pulvis resinae in the treatment of thromboangiitis obliterans. Zhu BG, et al. **J Tradit Chin Med** 1985 Dec;5(4):237–9

Hypervolemic treatment of the chronic obliterative arteriopathies of extremities. Brassai Z, et al. **Med Interne** 1986 Jan–Mar;24(1):37–41

[Use of oral anticoagulants in 2 patients with thromboangiitis obliterans 30 years after initiating treatment] Armas AJ, et al. **Angiologia** 1985 Nov–Dec;37(6):285–9 (Eng. Abstr.) (Spa)

ETIOLOGY

[Thromboangiitis obliterans—a clinical entity?] Widmer LK. **Schweiz Rundsch Med Prax** 1986 Aug 5;75(32):925–6 (Ger)

IMMUNOLOGY

Immunological aspect of smoking in patients with thromboangiitis obliterans. Simić L, et al. **Vasa** 1985; 14(4):349–52

PATHOLOGY

Buerger's disease in a young woman. Leavitt RY, et al. **Am J Med** 1986 May;80(5):1003–5

Vital capillary-microscopic findings in normal subjects, patients with peripheral arterial occlusive disease (Fontaine II to IV) and patients with thrombangiitis obliterans. Ranft J, et al. **Vasa** 1986;15(2):138–42

Pathogenetic key position of thromboangiitis: the endothelial cell. Serum dependent proliferation studies of endothelial cells in obliterative angiopathies. Scharffetter K, et al. **Vasa** 1986;15(1):34–42

[Thromboangiitis obliterans (Buerger's disease). Clinical case report and review of the literature] Steininger H. **Pathologe** 1985 Jul;6(4):204–10 (Ger)

[Buerger's thromboangiitis obliterans. Pathologico-anatomical analysis of 53 cases] Leu HJ. **Schweiz Med Wochenschr** 1985 Aug 6;115(31–32):1080–6 (Eng. Abstr.) (Ger)

[Autopsy findings in thromboangiitis obliterans Buerger] Schanz U, et al. **Vasa** 1985;14(4):365–70 (Eng. Abstr.) (Ger)

RADIOGRAPHY

[Angiographic findings of femoral artery and its collaterals in Buerger's diseases] Tan HY, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Aug;23(8):471–3, 509 (Eng. Abstr.) (Chi)

SURGERY

Treatment of thromboangiitis obliterans with arterialization of the venous channel. Pei YK, et al. **Chin Med J [Engl]** 1985 Nov;98(11):787–92

Pedicled omental grafts in the revascularization of ischemic lower limbs in Buerger's disease. Maurya SD, et al. **Int Surg** 1985 Jul–Sep;70(3):253–5

[Treatment of thromboangiitis obliterans by arterialization of the venous channel] Pei YK, et al. **Chung Hua Wai Ko Tsa Chih** 1984 Dec;22(12):741–4, 782 (Eng. Abstr.) (Chi)

[Late postoperative evolution of juvenile arteritis] Jausseran JM, et al. **J Mal Vasc** 1985;10(4):291–5 (Eng. Abstr.) (Fre)

[Arterial reconstructions in Buerger disease] Largiadèr J, et al. **Vasa** 1986;15(2):174–9 (Eng. Abstr.) (Ger)

[Hemosorption in vascular surgery (a review of the literature)] Genyk SN, et al. **Khirurgiia (Mosk)** 1985 Dec; (12):128–32 (72 ref.) (Rus)

THERAPY

Upper dorsal sympathectomy. Manart FD, et al. **Am J Surg** 1985 Dec;150(6):762–6

[Clinical study of Buerger disease] Doko S, et al. **Nippon Rinsho** 1985 Oct;43(10):2117–21 (12 ref.) (Jpn)

[Use of superficial electric stimulation as a factor preventing marked decrease in skin temperature in various diseases of the peripheral blood vessels] Szczypiorski P, et al. **Pol Tyg Lek** 1985 Aug 12;40(32):896–900 (Eng. Abstr.) (Pol)

[Sorption detoxication as a method of treatment of obliterative diseases of arteries of the lower limbs] Genyk SN, et al. **Klin Khir** 1985;(7):57–9 (Rus)

[Hemosorption in the complex treatment of rheumatic diseases] Vilianskil MP, et al. **Ter Arkh** 1985;57(8):27–30 (Eng. Abstr.) (Rus)

THROMBOCYTES see **BLOOD PLATELETS**

THROMBOCYTHEMIA, ESSENTIAL see **THROMBOCYTHEMIA, HEMORRHAGIC**

THROMBOCYTHEMIA, HEMORRHAGIC

[Essential thrombocythemia. Clinical case report] Petrella V, et al. **Minerva Med** 1985 Nov 10;76(43):2087–90 (Eng. Abstr.) (Ita)

[A case of pregnancy brought to term without complications in a young woman with primary thrombocythemia] Ferrari A, et al. **Recenti Prog Med** 1986 Apr;77(4):183–7 (Eng. Abstr.) (Ita)

BLOOD

Thrombospondin in essential thrombocythemia. Lawler J, et al. **Blood** 1986 Feb;67(2):555–8

Clonal analysis of basophil differentiation in bone marrow cultures from a Down's syndrome patient with megakaryoblastic leukemia. Suda T, et al. **Blood** 1985 Dec; 66(6):1278–83

Recent advances in the study of megakaryocytic leukemia. Shibata A. **Nippon Ketsueki Gakkai Zasshi** 1985 Dec; 48(8):1743–52 (21 ref.)

CHEMICALLY INDUCED

[Disorders of the blood coagulation system and liver damage after using gestagen preparations] Rusinowska Z, et al. **Pol Tyg Lek** 1985 Jul 29;40(30):848–9 (Eng. Abstr.) (Pol)

CLASSIFICATION

Treatment of acute megakaryocytic leukemia [letter] **Ann Intern Med** 1986 Feb;104(2):280–1

COMPLICATIONS

Sideroblastic anemia associated with thrombocytosis and a chromosome 3 abnormality. Carroll AJ, et al. **Cancer Genet Cytogenet** 1986 Jun;22(2):183–7

Primary thrombocythemia: another cause of the "blue toe syndrome". Gerry JL Jr, et al. **J La State Med Soc** 1986 Apr;138(4):38–40

Lateral sinus thrombosis and intracranial hypertension in essential thrombocythaemia [letter] Mitchell D, et al. **J Neurol Neurosurg Psychiatry** 1986 Feb;49(2):218–9

Malignant disorders of megakaryocytes associated with primary mediastinal germ cell tumors. Nichols CR, et al. **Prog Clin Biol Res** 1986;215:347–53

Megakaryoblastic leukaemia and myelofibrosis complicating Fanconi anaemia. Dharmasena F, et al. **Scand J Haematol** 1986 Mar;36(3):309–13

[Massive hemorrhage following multiple epidural punctures as a late complication in thrombocythemia] Meyer HH, et al. **Anasth Intensivther Notfallmed** 1985 Oct;20(5):287–8 (Eng. Abstr.) (Ger)

[Essential thrombocythemia: an infrequent form of presentation (letter)] Adrados Bueno G, et al. **Med Clin (Barc)** 1985 Dec 7;85(19):816–7 (Spa)

[Cerebrovascular accident in a young patient with essential thrombocythemia (letter)] Vázquez Cruz J, et al. **Med Clin (Barc)** 1985 Dec 14;85(20):855–6 (Spa)

DIAGNOSIS

The diagnosis of megakaryoblastic leukemia [letter] Corash L, et al. **Ann Intern Med** 1986 Jan;104(1):123

Acute megakaryoblastic leukaemia: a prospective study of its identification and treatment. Ruiz-Argüelles GJ, et al. **Br J Haematol** 1986 Jan;62(1):55–63

Essential thrombocythemia: an interim report from the Polycythemia Vera Study Group. Murphy S, et al. **Semin Hematol** 1986 Jul;23(3):177–82

[Thrombocytosis and thrombocythemia] Lefrère JJ, et al. **Rev Med Interne** 1985 Jun;6(3):285–90 (Fre)

[Clinical aspects of essential thrombocythemia. A review of the literature] Piechowiak H. **Vasa** 1986;15(1):5–11 (Eng. Abstr.) (Ger)

[Essential thrombocythemia—a comparative study on polycythemia vera] Ohsaka A, et al. **Rinsho Ketsueki** 1986 Mar;27(3):285–91 (Eng. Abstr.) (Jpn)

[Essential thrombocythemia (letter)] Marcos Sánchez F, et al. **Rev Clin Esp** 1986 Feb;178(3):145–6 (Spa)

DRUG THERAPY

Primary thrombocythaemia treated with busulphan. Van de Pette JE, et al. **Br J Haematol** 1986 Feb;62(2):229–37

Thrombocythaemia and recurrent late abortions: normal outcome of pregnancies after antiaggregatory treatment. Case report. Snethlage W, et al. **Br J Obstet Gynaecol** 1986 Apr;93(4):386–8

C-reactive protein during chemotherapy for acute leukemia with special reference to non-infective causes of fever. Grützmeier S, et al. **Med Oncol Tumor Pharmacother** 1986; 3(2):71–5

Intermittent melphalan in the treatment of essential thrombocytosis with haemorrhage or thrombosis. de Pauw BE, et al. **Scand J Haematol** 1985 Oct;35(4):448–50

ETIOLOGY

Transitory hypomegakaryocytic thrombocytopenia: aetiological association with ethanol abuse and implications regarding regulation of human megakaryocytopoiesis. Gewirtz AM, et al. **Br J Haematol** 1986 Feb;62(2):333–44

[Transition from idiopathic sideroblastic anemia into acute myelofibrosis] Kiss A, et al. **Orv Hetil** 1986 Aug 3; 127(31):1865–70 (Eng. Abstr.) (Hun)

FAMILIAL & GENETIC

Familial essential thrombocythemia. Eyster ME, et al. **Am J Med** 1986 Mar;80(3):497–502

Acute megakaryoblastic leukaemia with 3q inversion and elevated thrombopoietin (TSF): an autocrine role for TSF? Pinto MR, et al. **Br J Haematol** 1985 Dec;61(4):687–94

[An autopsy case probably of acute megakaryoblastic leukemia associated with hypotetraploid chromosomal abnormality] Fukuda M, et al. **Rinsho Ketsueki** 1985 Dec; 26(12):2009–14 (Eng. Abstr.) (Jpn)

IMMUNOLOGY

Incomplete antigenic cross-reactivity between platelets and megakaryocytes: relevance to ITP. Stahl CP, et al. **Blood** 1986 Feb;67(2):421–8

Immunological and cytochemical characterization of megakaryocytic lineage leukemia. Breton-Gorius J, et al. **Prog Clin Biol Res** 1986;215:301–17 (60 ref.)

PATHOLOGY

Acute megakaryoblastic leukemia. Blast cell aggregates simulating metastatic tumor. Pui CH, et al. **Arch Pathol Lab Med** 1985 Nov;109(11):1033–5

Acute megakaryoblastic leukaemia in children. Cairney AE, et al. **Br J Haematol** 1986 Jul;63(3):541–54

Megakaryoblastic leukemia in an infant. Establishment of a megakaryocytic tumor cell line in athymic nude mice. Witte DP, et al. **Cancer** 1986 Jul 15;58(2):238–44

Establishment in long term culture of megakaryocytic leukemia cells (EST-IU) from the marrow of a patient with leukemia and a mediastinal germ cell neoplasm. Sledge GW Jr, et al. **Cancer Res** 1986 Apr;46(4 Pt 2):2155–9

Giant mitochondria with filamentous structures in bone marrow macrophages. Enomoto Y, et al. **J Electron Microsc (Tokyo)** 1985;34(1):25–32

Identification of neoplastically proliferating megakaryoblasts. Nakazawa M, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Feb;49(1):115–26

Initial characterization of a human megakaryocytic leukemia cell line, EST-IU. Sledge GW Jr, et al. **Prog Clin Biol Res** 1986;215:329–33

[Acute myelofibrosis—case reports of acute megakaryoblastic leukemia and acute myeloblastic leukemia] Ishibashi T, et al. **Rinsho Ketsueki** 1985 Jul;26(7):1145–50 (Eng. Abstr.) **(Jpn)**

[Six cases with megakaryocytic transformation of chronic myelogenous leukemia] Ono Y, et al. **Rinsho Ketsueki** 1986 Mar;27(3):360–8 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Blood volume, erythrokinetics and spleen function in thrombocythaemia. Waweru F, et al. **Acta Haematol (Basel)** 1985;73(4):219–23

THERAPY

Remission of amegakaryocytic thrombocytopenia induced by antilymphocyte globulin (ALG). Fäldt R. **Br J Haematol** 1986 May;63(1):205–7

Treatment with recombinant interferon-alpha-2C: multiple myeloma and thrombocythaemia in myeloproliferative diseases. Ludwig H, et al. **Oncology** 1985;42 Suppl 1:19–25

Therapeutic effect of human recombinant interferon-alpha-2C in essential thrombocythaemia. Velu T, et al. **Oncology** 1985;42 Suppl 1:10–4

VETERINARY

Platelet dysplasia associated with megakaryoblastic leukemia in a dog. Cain GR, et al. **J Am Vet Med Assoc** 1986 Mar 1;188(5):529–30

Radiation-induced megakaryoblastic leukemia in a dog. Cain GR, et al. **Vet Pathol** 1985 Nov;22(6):641–3

Megakaryoblastic leukemia in a dog. Shull RM, et al. **Vet Pathol** 1986 Jul;23(4):533–6

THROMBOCYTHEMIA, IDIOPATHIC see **THROMBOCYTHEMIA, HEMORRHAGIC**

THROMBOCYTHEMIA, PRIMARY see **THROMBOCYTHEMIA, HEMORRHAGIC**

THROMBOCYTOPATHY see **BLOOD PLATELET DISORDERS**

THROMBOCYTOPENIA

Percutaneous silastic catheter insertion in patients with thrombocytopenia. Stellato TA, et al. **Cancer** 1985 Dec 1;56(11):2691–3

Thrombocytopenia. Colvin BT. **Clin Haematol** 1985 Oct; 14(3):661–81 (98 ref.)

BLOOD

Unexplained periparturient thrombocytopenia. Freedman J, et al. **Am J Hematol** 1986 Apr;21(4):397–407

Platelet-associated immunoglobulins IgG, IgM, IgA and complement C3 in immune and nonimmune thrombocytopenic disorders. Panzer S, et al. **Am J Hematol** 1986 Oct;23(2):89–99

Pseudothrombocytopenia: a cold autoantibody against platelet glycoprotein GP IIb. van Vliet HH, et al. **Br J Haematol** 1986 Mar;62(3):501–11

Relationship of platelet-associated immunoglobulin G and platelet protein to platelet size and density in normal individuals and patients with thrombocytopenia. Pfueller SL, et al. **J Lab Clin Med** 1986 Apr;107(4):299–305

Thrombocytopenia with thrombocytopathy possibly related to abnormalities of intracellular Ca++ fluxes and followed by the development of leukaemia. Bellucci S, et al. **Scand J Haematol** 1986 Feb;36(2):142–6

Acquired storage pool in heparin-induced thrombocytopenia [letter] Chong BH, et al. **Scand J Haematol** 1985 Jul; 35(1):117

Poststorage platelet viability in thrombocytopenic recipients is reliably measured by radiochromium-labeled platelet recovery and survival measurements in normal volunteers. Slichter SJ. **Transfusion** 1986 Jan–Feb;26(1):8–13 (33 ref.)

[Macrothrombocytosis and idiopathic thrombocytopenic purpura: effect of anticoagulant and prior fixation on the determination of platelet volume using the Coulter system] Boneu B, et al. **Nouv Rev Fr Hematol** 1986;28(1):15–8 (Eng. Abstr.) **(Fre)**

[Automated platelet count in thrombocytopenic patients—a comparison of methods] Stibbe W, et al. **J Clin Chem Clin Biochem** 1985 Jul;23(7):399–404 (Eng. Abstr.) **(Ger)**

[The effect of thrombocytopenia on BSA nephritis] Ogasawara M. **Nippon Jinzo Gakkai Shi** 1986 Feb; 28(2):115–26 (Eng. Abstr.) **(Jpn)**

[Platelet count in EDTA-dependent pseudothrombocytopenia—application of MgSO4 as an anticoagulant] Nakamoto K, et al. **Rinsho Byori** 1986 Feb; 34(2):167–73 **(Jpn)**

[A case of cyclic thrombocytopenia with spontaneous recovery from platelet cyclic change] Aoki Y, et al. **Rinsho Ketsueki** 1985 Oct;26(10):1677–81 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

Heparin-induced thrombocytopenia [editorial] Böttiger LE. **Acta Med Scand** 1985;218(3):257–9

Acute thrombocytopenia induced by parenteral radiographic contrast medium. Lacy J, et al. **AJR** 1986 Jun;146(6):1298–9

Isolated thrombocytopenia in a 56-year-old man with mitral stenosis [clinical conference] Garcia JH, et al. **Ala J Med Sci** 1986 Jan;23(1):67–73

Hematologic toxicity of cisplatin and mitomycin in combination for squamous cell carcinoma of esophagus. Stoll DB, et al. **Am J Clin Oncol** 1985 Jun;8(3):231–4

Thrombocytopenia associated with intravenous desferrioxamine. Walker JA, et al. **Am J Kidney Dis** 1985 Oct;6(4):254–6

Heparin-associated thrombocytopenia: alternative managements. Vender JS, et al. **Anesth Analg** 1986 May; 65(5):520–2

Heparin flushes and thrombocytopenia [letter] Heeger PS, et al. **Ann Intern Med** 1986 Jul;105(1):143

Hypogammaglobulinaemia and thrombocytopenia associated with sulphasalazine therapy in rheumatoid arthritis [letter] Farr M, et al. **Ann Rheum Dis** 1985 Oct;44(10):723–4

Heparin-associated acute adrenal insufficiency [letter] Arthur CK, et al. **Aust NZ J Med** 1985 Aug;15(4):454–5

Hypersensitivity reactions to heparin: delayed onset thrombocytopenia and necrotizing skin lesions. Platell CF, et al. **Aust NZ J Surg** 1986 Aug;56(8):621–3

Heparin-associated thrombocytopenia. antibody binding specificity to platelet antigens. Lynch DM, et al. **Blood** 1985 Nov;66(5):1176–81

Thrombocytopenia associated with gold therapy: a drug-induced autoimmune disease? von dem Borne AE, et al. **Br J Haematol** 1986 Jul;63(3):509–16

Thrombocytopenia associated with ranitidine. Spychal RT, et al. **Br Med J [Clin Res]** 1985 Dec 14;291(6510):1687

Hemolytic anemia thrombocytopenia and renal failure in a patient apparently cured of anal carcinoma [clinical conference] **Cancer Invest** 1985;3(5):481–9

Heparin-induced thrombocytopenia. What is its real frequency? Ansell JE, et al. **Chest** 1985 Dec;88(6):878–82

Idiosyncratic drug-induced thrombocytopenia. Kelton JG. **Curr Stud Hematol Blood Transfus** 1986;(52):104–14

Heparin-associated thrombocytopenia: a prospective comparison of bovine lung heparin, manufactured by a new process, and porcine intestinal heparin. Bailey RT Jr, et al. **Drug Intell Clin Pharm** 1986 May;20(5):374–8

The absence of influence of acetylsalicylic acid (ASA) on the transient decrease in platelet counts observed after infusion of bleomycin and vinblastine. Verweij J, et al. **Eur J Cancer Clin Oncol** 1985 Dec;21(12):1471–4

Heparin-induced thrombocytopenia. Kelton JG. **Haemostasis** 1986;16(2):173–86 (69 ref.)

The white clot syndrome or heparin associated thrombocytopenia and thrombosis (WCS or HATT) (26 cases). Benhamou AC, et al. **Int Angiol** 1985 Jul–Sep; 4(3):303–10

Reversible severe thrombocytopaenia associated with captopril therapy. Walsh KP, et al. **Ir Med J** 1986 Feb; 79(2):43–4

Thrombocytopenia with actinomycin-D therapy [letter] Hara T, et al. **J Pediatr** 1986 Jun;108(6):1039–40

Immune thrombocytopenia following actinomycin-D therapy. Hodder FS, et al. **J Pediatr** 1985 Oct;107(4):611–4

Genetic markers in rheumatoid arthritis relationship to toxicity from D-penicillamine. Stockman A, et al. **J Rheumatol** 1986 Apr;13(2):269–73

Gold induced thrombocytopenia [letter] Walker DJ, et al. **J Rheumatol** 1986 Feb;13(1):225–7

Immune thrombocytopenia after alpha-interferon therapy in patients with cancer [letter] Abdi EA, et al. **JAMA** 1986 Apr 11;255(14):1878–9

Pentagastrin-induced thrombocytopenia [letter] Arnved J, et al. **Lancet** 1985 Nov 9;2(8463):1068–9

Thrombocytopenia after treatment with danazol [letter] Arrowsmith JB, et al. **N Engl J Med** 1986 Aug 28; 315(9):585

Heparin-associated thrombocytopenia in the neurosurgical patient. Doty JR, et al. **Neurosurgery** 1986 Jul;19(1):69–72

Auto-immune thrombocytopenia related to interferon therapy Abdi EA, et al. **Scand J Haematol** 1986 May; 36(5):515–9

Severe reversible autoimmune haemolytic anaemia and thrombocytopenia associated with diclofenac therapy. Kramer MR, et al. **Scand J Haematol** 1986 Jan;36(1):118–20

Heparin-induced thrombocytopenia. Kelton JG, et al. **Semin Thromb Hemost** 1986 Jan;12(1):59–62

Treatment of heparin-associated thrombocytopenia and thrombosis with low molecular weight heparin (CY 216). Leroy J, et al. **Semin Thromb Hemost** 1985 Jul;11(3):326–9

Heparin-induced thrombocytopenia platelet aggregation studies in the presence of heparin fractions or semi-synthetic analogues of various molecular weights and anticoagulant activities. Blockmans D, et al. **Thromb Haemost** 1986 Feb 28;55(1):90–3

Thrombocytopenia related to synthetic heparin analogue therapy [letter] Gouault-Heilmann M, et al. **Thromb Haemost** 1985 Aug 30;54(2):557

Desmopressin induces decrease in platelet count in uremia [letter] Rydzewski A, et al. **Thromb Haemost** 1986 Jun 30; 55(3):436

Heparin-associated thrombocytopenia treatment with low molecular weight heparin. Vitoux JF, et al. **Thromb Haemost** 1986 Feb 28;55(1):37–9

Heparin-induced thrombocytopenia and pentosan polysulfate: treatment with a low molecular weight heparin despite in vitro platelet aggregation [letter] Vitoux JF, et al. **Thromb Haemost** 1986 Apr 30;55(2):294–5

Platelet activating factor (PAF) involvement in endotoxin-induced thrombocytopenia in rabbits: studies with FR-900452, a specific inhibitor of PAF. Okamoto M, et al. **Thromb Res** 1986 Jun 1;42(5):661–71

Gold-induced immune thrombocytopenia in the dog. Bloom JC, et al. **Vet Pathol** 1985 Sep;22(5):492–9

Drug-induced thrombocytopenia. Handagama PJ, et al. **Vet Res Commun** 1986 Jan;10(1):1–20

[Anuria, cholestatic jaundice, thrombocytopenia, hemolysis. Immunoallergic complication due to ajmaline] Faller JP, et al. **Ann Med Interne (Paris)** 1985;136(5):386–8 (Eng. Abstr.) **(Fre)**

[Thrombopenia during ranitidine and thiamphenicol therapy: thiamphenicol as the responsible agent] Hummer-Sigiel M, et al. **Cah Anesthesiol** 1985 Jun–Jul;33(4):363–5 **(Fre)**

[White thrombus syndrome. Apropos of 4 new cases] Ribal JP, et al. **J Chir (Paris)** 1985 Jun–Jul;122(6–7):375–7 (Eng. Abstr.) **(Fre)**

[The white clot syndrome is not always associated with thrombopenia (letter)] Taieb W, et al. **J Chir (Paris)** 1986 Mar;123(3):209 **(Fre)**

[Severe early-onset thrombopenia induced by non-fractionated heparin: therapeutic trial with low molecular weight heparin] Grau E, et al. **Nouv Rev Fr Hematol** 1985;27(6):385–7 (Eng. Abstr.) **(Fre)**

[Thrombopenia during treatment with heparin. Apropos of a case] Couillault G, et al. **Pediatrie** 1985 Jun;40(4):301–4 (Eng. Abstr.) **(Fre)**

[Thrombopenia-thrombosis induced by heparin] Cornu P. **Phlebologie** 1985 Jul–Sep;38(3):437–8 **(Fre)**

[Multiple arterial and venous thromboses associated with thrombopenia. Role of pentosan polysulfate and heparins (letter)] Papazian L, et al. **Presse Med** 1986 Jun 28; 15(26):1246–7 **(Fre)**

[Digitoxin-induced thrombopenia with recurrence after accidental reexposure] Petrillo A, et al. **Schweiz Med Wochenschr** 1985 Aug 24;115(34):1170–3 (Eng. Abstr.) **(Fre)**

[Thrombopenia caused by heparin. Evaluation of cases reported by the Caen-Basse-Normandie Drug Monitoring Center] Troussard X, et al. **Therapie** 1986 Jan–Feb; 41(1):69–72 (Eng. Abstr.) **(Fre)**

[Heparin-induced thrombocytopenia] Quintavalla R, et al. **Recenti Prog Med** 1986 Mar;77(3):139–41 (Eng. Abstr.) **(Ita)**

[A case of cimetidine-induced thrombocytopenia] Ogawa T, et al. **Rinsho Ketsueki** 1986 Mar;27(3):403–6 (Eng. Abstr.) **(Jpn)**

[Early thrombocytopenia after administration of heparin in patients with chronic renal failure] Myśliwiec M, et al. **Pol Tyg Lek** 1986 Mar 24;41(12):363–6 (Eng. Abstr.) **(Pol)**

[Thrombosis and thrombopenias induced by heparin] Grau E, et al. **Med Clin (Barc)** 1985 Nov 30;85(18):753–5 **(Spa)**

COMPLICATIONS

Evans' syndrome in paroxysmal nocturnal hemoglobinuria. Conti L, et al. **Acta Haematol (Basel)** 1985;73(4):210–1

Thrombotic thrombocytopenic purpura subsequent to acute myelogenous leukemia chemotherapy. Byrnes JJ, et al. **Am J Hematol** 1986 Mar;21(3):299–304

Pregnancy induced hypertension complicated by thrombocytopenia, haemolysis and elevated liver enzymes (HELLP) syndrome. Renal biopsies and outcome. Beller FK, et al. **Aust NZ J Obstet Gynaecol** 1985 May;25(2):83–6

Cell-mediated amegakaryocytic thrombocytopenia associated with systemic lupus erythematosus. Nagasawa T, et al. **Blood** 1986 Feb;67(2):479–83

Thrombocytopenia in venocclusive disease after bone marrow transplantation or chemotherapy. Rio B, et al. **Blood** 1986 Jun;67(6):1773–6

Intrauterine intracranial hemorrhage in an infant with isoimmune thrombocytopenia. Sadowitz PD, et al. **Clin Pediatr (Phila)** 1985 Nov;24(11):655–7

Dermatomyositis associated with idiopathic thrombocytopenia. Cooper C, et al. **Dermatologica** 1986; 172(3):173–6

Anti-HLA antibodies complicating infectious mononucleosis with thrombocytopenia and neutropenia. Kupin WL, et al. **Henry Ford Hosp Med J** 1986;34(1):65–7

Nasal packing with porcine fatty tissue for epistaxis complicated by qualitative platelet disorders. Carr ME Jr, et al. **J Emerg Med** 1985;3(6):449–52

Cartilage hair hypoplasia with thrombocytopenic purpura, autoimmune haemolytic anaemia and cell-mediated immunodeficiency. Ashby GH, et al. **J R Soc Med** 1986 Feb;79(2):113–4

The anticardiolipin syndrome. Hughes GR, et al. **J Rheumatol** 1986 Jun;13(3):486–9

Emergency surgery and refractory immune thrombocytopenic purpura. A case report. Jacobs P, et al. **S Afr Med J** 1986 Mar 1;69(5):321–2

Fatal intracranial hemorrhage secondary to isoimmune thrombocytopenia. Liechty EA, et al. **W Va Med J** 1986 May;82(5):125–7

[Neurosurgical intervention and neonatal thrombopenia] Riche H, et al. **Cah Anesthesiol** 1985 Jun–Jul;33(4):367–8 **(Fre)**

[Transient remission after viral infection in 3 patients with chronic autoimmune thrombopenia] Tertian G, et al. **Nouv Rev Fr Hematol** 1986;28(1):11–4 (Eng. Abstr.) **(Fre)**

[Thrombopenia and migraine. Parallel course of 2 diseases (letter)] Gastaut JL, et al. **Presse Med** 1986 Jan 11; 15(1):33–4 **(Fre)**

[Thrombocytopenia with absent radius (TAR syndrome)] Balogh L, et al. **Orv Hetil** 1986 Jan 5;127(1):35–7 (Eng. Abstr.) **(Hun)**

[Palliative Senning's operation in a case of TGA type II complicated by thrombocytopenia] Fukuda I, et al. **Kyobu Geka** 1986 May;39(5):398–401 (Eng. Abstr.) **(Jpn)**

[A case of paroxysmal cold hemoglobinuria with thrombocytopenia (Evans' syndrome), and without anti-P specificity of biphasic hemolysin] Moriuchi Y, et al. **Rinsho Ketsueki** 1985 Jul;26(7):1131–4 (Eng. Abstr.) **(Jpn)**

[Thrombocytopenic thrombocytopathy in a case of factor XI deficiency] Ohtsuki T, et al. **Rinsho Ketsueki** 1985 Oct; 26(10):1672–6 (Eng. Abstr.) **(Jpn)**

[Stages in the formation of various atypical forms of acute leukemia: hematopoietic dysplasia—preleukemia—leukemia] Abdulkadyrov KM, et al. **Klin Med (Mosk)** 1985 Jul;63(7):56–60 (Eng. Abstr.) **(Rus)**

CONGENITAL

[Thiamine-dependent anemia and thrombocytopenia, insulin-dependent diabetes mellitus and sensorineural deafness—case report and review] Rosskamp R, et al. **Klin Padiatr** 1985 Jul–Aug;197(4):315–7 (Eng. Abstr.) **(Ger)**

[Neonatal immune thrombopenia] Escribá R, et al. **An Esp Pediatr** 1985 Aug;23(2):93–7 **(Spa)**

DIAGNOSIS

Diagnostic value of bone marrow examination in isolated thrombocytopenia. Jones EC, et al. **Am J Clin Pathol** 1985 Nov;84(5):665–7

Long-term follow-up of hemophiliacs with lymphocytopenia or thrombocytopenia. Eyster ME, et al. **Blood** 1985 Dec; 66(6):1317–20

A diagnostic test for heparin-induced thrombocytopenia. Sheridan D, et al. **Blood** 1986 Jan;67(1):27–30

Alloimmune thrombocytopenia. Review from a neonatal intensive care unit. Blanchette VS, et al. **Curr Stud Hematol Blood Transfus** 1986;(52):87–96

Platelet-associated IgG assay using flow cytometric analysis. Lazarchick J, et al. **J Immunol Methods** 1986 Mar 13; 87(2):257–65

Preeclampsia/eclampsia with hemolysis, elevated liver enzymes, and thrombocytopenia. Weinstein L. **Obstet Gynecol** 1985 Nov;66(5):657–60

The use of 125I labelled staphylococcal protein A in the diagnosis of autoimmune thrombocytopenic purpura and other immune mediated thrombocytopenias. Connellan JM, et al. **Pathology** 1986 Jan;18(1):111–6

Spurious thrombocytopenia occurring with automated blood counting [letter] Seal M. **Postgrad Med** 1986 Feb 1;79(2):44

Pentosan polysulphate associated thrombocytopenia. Follea G, et al. **Thromb Res** 1986 May 1;42(3):413–8

[Biological diagnosis of postoperative thrombopenia] Potron G, et al. **Ann Biol Clin (Paris)** 1985;43(4):325–32 (Eng. Abstr.) **(Fre)**

[The role of methods using immunofluorescence (platelet suspension immunofluorescence test and granulocyte immunofluorescence test) in the diagnosis of autoimmune thrombocytopenia and neutropenia] Ciaffoni S, et al. **Quad Sclavo Diagn** 1985 Jun;21(2):225–35 (Eng. Abstr.) **(Ita)**

[Diagnosis of autoimmune diseases in hematology] Guisasola FJ, et al. **An Esp Pediatr** 1985 Aug;23(2):131–7 **(Spa)**

[Serologic diagnosis of immune cytopenias. Usefulness of different technics] Ercilla MG. **Sangre (Barc)** 1985; 30(4–C):732–5 **(Spa)**

DRUG THERAPY

Danazol for lupus thrombocytopenia. Marino C, et al. **Arch Intern Med** 1985 Dec;145(12):2251–2

Thrombolytic therapy in heparin-associated thrombocytopenia with thrombosis. Clifton GD, et al. **Clin Pharm** 1986 Jul;5(7):597–601

Therapeutic use of colchicine in thrombocytopenia. Jim RT. **Hawaii Med J** 1986 Jul;45(7):221–2, 225–6

A case of autoimmune neutropenia and thrombocytopenia—effect of high-dose intravenous immunoglobulin. Murakami H, et al. **Keio J Med** 1985 Dec; 34(4):227–32

Vincristine for childhood immune thrombocytopenia [letter] Manoharan A. **Lancet** 1986 Apr 5;1(8484):810

Intravenous immunoglobulin for autoimmune thrombocytopenia of childhood [letter] Walker RW, et al. **Lancet** 1985 Nov 2;2(8462):1011

Results of treatment in immune thrombocytopenia. Jacobs P, et al. **Q J Med** 1986 Feb;58(226):153–65

Anti-fibrinolytic therapy with aminocaproic acid for the control of bleeding in thrombocytopenic patients. Garewal HS, et al. **Scand J Haematol** 1985 Nov;35(5):497–500

[Marked improvement in Evans' syndrome with pulse therapy of methylprednisolone] Mori K, et al. **Rinsho Ketsueki** 1986 Feb;27(2):185–90 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Bleeding due to thrombocytopenia in acute leukemias and reevaluation of the prophylactic platelet transfusion policy. Aderka D, et al. **Am J Med Sci** 1986 Mar;291(3):147–51

Breast-feeding in thrombocytopenic neonates secondary to maternal autoimmune thrombocytopenic purpura [letter] Meschengieser S, et al. **Am J Obstet Gynecol** 1986 May; 154(5):1166–7

Immune thrombocytopenia and Crohn's disease [letter] Kosmo MA, et al. **Ann Intern Med** 1986 Jan;104(1):136

Immune thrombocytopenia and response to splenectomy in chronic liver disease. Skootsky SA, et al. **Arch Intern Med** 1986 Mar;146(3):555–7

Autoimmune thrombocytopenia and neutropenia after remission induction therapy for acute leukaemia. Chapman JF, et al. **Br J Haematol** 1986 Aug;63(4):693–702

Human parvovirus induced cytopenias: a report of five cases [letter] Saunders PW, et al. **Br J Haematol** 1986 Jun; 63(2):407–10

Multisystemic disease with intracranial hypertension and autoimmune cytopenia in chronic active hepatitis. Girino M, et al. **Clin Rheumatol** 1986 Jan;5(1):92–5

Severe alloimmune neonatal thrombocytopenia due to specific HLA antibodies. Sternbach MS, et al. **Curr Stud Hematol Blood Transfus** 1986;(52):97–103

Platelet associated immunoglobulins in primary biliary cirrhosis: a cause of thrombocytopenia? Bassendine MF, et al. **Gut** 1985 Oct;26(10):1074–9

Thrombocytopenia due to splenosis in Gaucher's disease 36 years after splenectomy. Mittelman M, et al. **Haematologica (Pavia)** 1985 May–Jun;70(3):261–2

Thrombocytopenia and other hematological complications in children with malaria. Santhanakrishnan BR, et al. **Indian J Pediatr** 1985 May–Jun;52(416):311–4

Cellular depletion by apheresis. Strauss RG, et al. **J Clin Apheresis** 1983;1(3):158–65

Platelet phagocytosis: a probable mechanism of thrombocytopenia in Plasmodium falciparum infection [letter] Jaff MS, et al. **J Clin Pathol** 1985 Nov;38(11):1318–9

Pathogenesis of the delayed phase of Rauscher virus-induced thrombocytopenia. Grau GE, et al. **J Immunol** 1986 Jan; 136(2):686–91

Thrombocytopenia as the presenting manifestation of human T-lymphotropic virus type III infection in infants. Saulsbury FT, et al. **J Pediatr** 1986 Jul;109(1):30–4

Pancytopenia with thrombocytopenia associated with folic acid deficiency [letter] Melchior JC, et al. **JPEN J Parenter Enteral Nutr** 1985 Sep–Oct;9(5):637

Possible role of neuraminidase in the pathogenesis of arteritis and thrombocytopenia induced in rats by Erysipelothrix rhusiopathiae. Nakato H, et al. **Pathol Res Pract** 1986 Jun; 181(3):311–9

Transient thrombocytopenia in systemic onset juvenile rheumatoid arthritis. Sherry DD, et al. **Pediatrics** 1985 Oct; 76(4):600–3

Natural history of low white counts and platelets. Kitchens CS. **Proc Annu Meet Med Sect Am Counc Life Insur** 1985; :57–62

Idiopathic thrombocytopenic purpura and pregnancy. Maternal platelet count and antiplatelet antibodies do not predict the risk of neonatal thrombocytopenia. Barbui T, et al. **Ric Clin Lab** 1985 Apr–Jun;15(2):139–44

Infectious mononucleosis presenting as thrombocytopenic haemorrhage. Sheehan T, et al. **Scott Med J** 1986 Apr; 31(2):116–7

A case of primary atypical pneumonia complicated with severe thrombocytopenia. Tsai YM, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Jun;84(6):742–6

Use of chloroquine-treated granulocytes and platelets in the diagnosis of immune cytopenias. Metcalfe P, et al. **Vox Sang** 1985;49(5):340–5

Neonatal alloimmune thrombocytopenia due to fetomaternal Zwb incompatibility. Mueller-Eckhardt C, et al. **Vox Sang** 1986;50(2):94–6

[Alcoholic thrombocytopenia] Søegaard N, et al. **Ugeskr Laeger** 1985 Sep 2;147(36):2833 (Eng. Abstr.) **(Dan)**

[A rare cause of thrombocytopenia] de Vries D, et al. **Ned Tijdschr Geneeskd** 1985 Nov 30;129(48):2319–21 (Eng. Abstr.) **(Dut)**

[Post-transfusion thrombopenia treated with gammaglobulins] Barre J, et al. **Ann Fr Anesth Reanim** 1986;5(1):80–2 (Eng. Abstr.) **(Fre)**

[Association of thrombopenia due to platelet alloimmunization with galactosemia in the neonatal period] Vanlieferinghen P, et al. **Pediatrie** 1985 Jun;40(4):305–8 (Eng. Abstr.) **(Fre)**

[Autoimmune thrombopenia in heroin addicts with chronic hepatopathy and positive anti-HTLV 3 serology (letter)] Fuzibet JG, et al. **Presse Med** 1986 Feb 15;15(6):258–9 **(Fre)**

[20-year-old patient with hemolytic anemia and leuko- and thrombopenia] Fink M, et al. **Internist (Berlin)** 1986 Feb; 27(2):131–6 **(Ger)**

[Immune thrombocytopenic purpura and pregnancy] Canevari A, et al. **Riv Emoter Immunoematol** 1985; 32(3):319–24 (Eng. Abstr.) **(Ita)**

[Cardiac angiosarcoma with gastrointestinal bleeding, hypoxemia, thrombocytopenia and microangiopathic hemolytic anemia] Tsuda H, et al. **Gan No Rinsho** 1986 Aug;32(9):1035–40 (Eng. Abstr.) **(Jpn)**

[An eclampsia associated with hemolysis, elevated liver enzymes and thrombocytopenia] Ito M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Mar; 38(3):448–51 **(Jpn)**

[Malignant lymphoma with early gastric cancer presenting severe anemia and thrombocytopenia, possibly due to reactive erythrophagocytic histiocytosis] Nakayama S, et al. **Rinsho Ketsueki** 1986 Feb;27(2):202–7 (Eng. Abstr.) **(Jpn)**

[Disorders of various parameters of the hemostatic system in chronic alcoholics] Figiel E. **Wiad Lek** 1985 Nov 15; 38(22):1553–5 (Eng. Abstr.) **(Pol)**

[Severe thrombocytopenia secondary to a cytomegalovirus infection. Presentation of a case (letter)] Antón Aranda E, et al. **Med Clin (Barc)** 1985 Oct 19;85(12):518–9 **(Spa)**

[Immune neutropenia and thrombopenia in infectious mononucleosis (letter)] Lima J, et al. **Med Clin (Barc)** 1986 Mar 22;86(11):481 **(Spa)**

[Hashimoto's thyroiditis and autoimmune thrombopenia] Hortells Aznar JL, et al. **Sangre (Barc)** 1985;30(6):1034–7 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Successful cesarean section in a gravida with the thrombocytopenia with absent radius syndrome. A case report. Turner RJ, et al. **J Reprod Med** 1986 Apr; 31(4):260–2

Inherited thrombocytopenia, elevated serum IgA and renal disease: identification as a variant of the Wiskott-Aldrich syndrome. Standen GR, et al. **Q J Med** 1986 Apr; 59(228):401–8

[The TAR syndrome in 3 unrelated children] Seemanová E, et al. **Cesk Pediatr** 1985 Sep;40(9):511–4 (Eng. Abstr.) **(Cze)**

IMMUNOLOGY

Alloimmune neonatal thrombocytopenia and hydrocephalus. Platelet antigen Zwa, ABO-antigens and HLA-antigens in mothers to infants with hydrocephalus. Petersen S, et al. **Acta Paediatr Scand** 1986 Jan;75(1):86–8

Autoimmune thrombocytopenia in sarcoidosis. Lawrence HJ, et al. **Am J Med** 1985 Dec;79(6):761–4

Neutropenia and thrombocytopenia: antibodies directed against circulating neutrophils and bone marrow myeloid progenitor cells (CFU-C). Kirshner JJ, et al. **Am J Med Sci** 1986 Jan;291(1):51–5

Immune thrombocytopenia in homosexual men [letter] **Ann Intern Med** 1986 Apr;104(4):583–4

Antibodies to human T-lymphotropic virus type III and development of the acquired immunodeficiency syndrome in homosexual men presenting with immune thrombocytopenia. Abrams DI, et al. **Ann Intern Med** 1986 Jan;104(1):47–50

Idiopathic combined immunocytopenia. Wiesneth M, et al. **Br J Haematol** 1985 Oct;61(2):339–48

Association between DR3 and thrombocytopenia due to gold or tiopronin. Case reports and review of the literature. Ferraccioli GF, et al. **Clin Exp Rheumatol** 1985 Oct–Dec; 3(4):341–3 (20 ref.)

Clinical and serological findings in alloimmune neonatal thrombocytopenia. Kakaiya RM, et al. **Conn Med** 1986 Apr; 50(4):220–4

Clinical significance of platelet alloantibodies detected in immunofluorescence test (neonatal alloimmune thrombocytopenia and post-transfusion purpura). Mańlanka K, et al. **Folia Haematol (Leipz)** 1985;112(5):760–8

Anti-F(ab')2 antibodies in thrombocytopenic patients at risk for acquired immunodeficiency syndrome. Yu JR, et al. **J Clin Invest** 1986 Jun;77(6):1756–61

Platelet associated IgG (PAIgG), as quantitated by ELISA, in assessment of childhood thrombocytopenia. Han P, et al. **J Singapore Paediatr Soc** 1985;27(3–4):204–7

[Immunoallergic thrombopenia caused by heparin (apropos of 2 cases, one of which had adrenal insufficiency)] Le Boulanger J, et al. **Cah Anesthesiol** 1985 Aug–Sep; 33(5):427–9 **(Fre)**

[Course of the manifestations associated with the antiprothrombinase circulating anticoagulant] Camez A, et

al. Presse Med 1986 Mar 15;15(11):515–8 (Eng. Abstr.) (Fre)

[Neonatal alloimmune thrombopenia] Muller JY, et al. Rev Fr Transfus Immunohematol 1985 Dec;28(6):625–41 (Eng. Abstr.) (Fre)

[Isoimmune neonatal thrombocytopenia: prenatal diagnosis and prevention of complications] Teti G, et al. Ann Ostet Ginecol Med Perinat 1985 May–Jun;106(3):140–5 (Eng. Abstr.) (Ita)

OCCURRENCE

Thrombocytopenia in homosexual men. Goldsweig HG, et al. Am J Hematol 1986 Mar;21(3):243–7

An epidemic of maternal thrombocytopenia associated with elevated antiplatelet antibody. Platelet count and antiplatelet antibody in 116 consecutive pregnancies: relationship to neonatal platelet count. Hart D, et al. Am J Obstet Gynecol 1986 Apr;154(4):878–83

PARASITOLOGY

Thrombocytopenia in leptospirosis: the absence of evidence for disseminated intravascular coagulation. Edwards CN, et al. Am J Trop Med Hyg 1986 Mar;35(2):352–4

PATHOLOGY

Megakaryocytopoiesis in different forms of thrombocytosis and thrombocytopenia: identification of megakaryocyte precursors by immunostaining of intracytoplasmic factor–VIII–related antigen. Knecht H, et al. Acta Haematol (Basel) 1985;74(4):208–12

Human thrombocytopenia is associated with structural abnormalities of the endothelium that are ameliorated by glucocorticosteroid administration. Kitchens CS, et al. Blood 1986 Jan;67(1):203–6

An ultrastructural analysis of the vascular damage in the lethal and sublethal Forsman reaction in the guinea–pig. Baker JR, et al. Br J Exp Pathol 1985 Dec;66(6):709–18

Transbronchial biopsy in the thrombocytopenic patient. Papin TA, et al. Chest 1985 Oct;88(4):549–52

Megakaryocytopoiesis in the rat: response to thrombocytopenia induced by exchange transfusion. Kimura H, et al. Exp Hematol 1985 Nov;13(10):1048–54

Splenic pathology in immune thrombocytopenia. Hayes MM, et al. J Clin Pathol 1985 Sep;38(9):985–8

The clinical significance of platelet volume analysis. Van der Lelie J, et al. Neth J Med 1985;28(10):457–62

Autoimmune thrombocytopenia: progenitor cell response to platelet demand. Segal GM, et al. Prog Clin Biol Res 1986; 215:341–5

[Congenital amegakaryocytic thrombocytopenia with bilateral aplasia of the radii] Konyshina RI, et al. Pediatriia 1985 Sep;(9):66–7 (Rus)

PHYSIOPATHOLOGY

Modulation of radiation–induced hemopoietic suppression by acute thrombocytopenia. Ebbe S, et al. Ann NY Acad Sci 1985;459:179–89

Frequency and mechanism of neonatal thrombocytopenia. Castle V, et al. J Pediatr 1986 May;108(5 Pt 1):749–55

PREVENTION & CONTROL

Protective effect of high–dose medroxyprogesterone acetate (HD–MPA) on hematological toxicity induced by chemotherapy for advanced solid tumors: a multicentric controlled clinical trial. MPA–Hematology Italian Cooperative Group. Chemioterapia 1986 Apr;5(2):134–9

[Emergency surgery long after severe heparin–induced thrombocytopenia. Use of low–molecular weight heparin and vitamin K antagonists] Lefrançois C, et al. Can Anesthesiol 1985 Dec;33(8):713–4 (Fre)

SURGERY

The benefit of emergency nasobiliary drain in cholelithiasis with ascending cholangitis, coagulopathy, and thrombocytopenia. Yin TP, et al. Surgery 1986 Jul; 100(1):105–7

THERAPY

Effect of thymectomy in immune diseases other than myasthenia. Szobor A, et al. Acta Med Hung 1985; 42(3–4):101–8

Effect of IgG anti–Rho(D) in adult patients with chronic autoimmune thrombocytopenia. Salama A, et al. Am J Hematol 1986 Jul;22(3):241–50

Efficacy of platelet transfusions in immune thrombocytopenia. Carr JM, et al. Am J Med 1986 Jun; 80(6):1051–4

Accelerated recovery from immune–mediated thrombocytopenia with plasmapheresis. Porter CC, et al. Am J Med 1985 Dec;79(6):765–8

Intravenous gammaglobulin treatment of profound herpes varicella zoster associated thrombocytopenia. DiTuro WJ, et al. Ann Allergy 1986 Mar;56(3):206, 241–3

Immune thrombocytopenia gammaglobulin, and positivity to the human T–lymphotropic virus type III [letter] Laurian Y, et al. Ann Intern Med 1986 Jul;105(1):145–6

Serum thrombocytopenia and high–dose immunoglobulin treatment [letter] Ordi J, et al. Ann Intern Med 1986 Feb; 104(2):282–3

Treatment of gold–induced thrombocytopenia by high–dose intravenous gamma globulin. Goldstein R, et al. Arthritis Rheum 1986 Mar;29(3):426–30

The use of intravenous immunoglobulin (endobulin) in patients with immune thrombocytopenia. Kiernan M, et al. Clin Lab Haematol 1986;8(1):21–6

Successful treatment of neonatal "autoimmune" thrombocytopenia with high–dose intravenous immunoglobulins [letter] Castaman G, et al. Haematologica (Pavia) 1985 May–Jun;70(3):276–7

Plasma exchange for immune cytopenias. Abdou NI. J Clin Apheresis 1985;2(4):275–7

Treatment of neonatal thrombocytopenia [letter] Amato M, et al. J Pediatr 1985 Oct;107(4):650

Effect of intravenous immune globulin on natural killer cell activity: possible association with autoimmune neutropenia and idiopathic thrombocytopenia. Engelhard D, et al. J Pediatr 1986 Jan;108(1):77–81

Antepartum reversal of hematologic abnormalities associated with the HELLP syndrome. A report of three cases. Clark SL, et al. J Reprod Med 1986 Jan;31(1):70–2

Anti–Rh(D) immunoglobulin for AIDS–related thrombocytopenia [letter] Biniek R, et al. Lancet 1986 Sep 13;2(8507):627

Transplacental effect of high–dose immunoglobulin in idiopathic thrombocytopenia (ITP) [letter] Davies SV, et al. Lancet 1986 May 10;1(8489):1098–9

Fatal thrombotic events during treatment of autoimmune thrombocytopenia with intravenous immunoglobulin in elderly patients [letter] Woodruff RK, et al. Lancet 1986 Jul 26;2(8500):217–8

Immune thrombocytopenia in severe hemophilia A treated with high–dose intravenous immunoglobulin. Panzer S, et al. Transfusion 1986 Jan–Feb;26(1):69–72

Plasma exchange for platelet alloimmunization. Bensinger WI, et al. Transplantation 1986 May;41(5):602–5

Intravenous gamma–globulin (Sandoglobulin) therapy in the management of four patients with immune thrombocytopenic purpura. Blanchette VS. Vox Sang 1985; 49 Suppl 1:32–41

Intravenous immune serum globulin in immune thrombocytopenia: clinical results and biochemical evaluation. Bussel J. Vox Sang 1985;49 Suppl 1:44–50

Evaluation of intravenous immune serum globulin in immune thrombocytopenia: preliminary results. Carroll RR. Vox Sang 1985;49 Suppl 1:42–3

A multicenter European trial of intravenous immune globulin in immune thrombocytopenic purpura in childhood. Imbach P. Vox Sang 1985;49 Suppl 1:25–31

[The effect of lowering the hematocrit on polycythemia and thrombocytopenia in congenital cyanotic heart defect] de Haan M, et al. Tijdschr Kindergeneeskd 1985 Oct; 53(5):178–81 (Eng. Abstr.) (Dut)

[Treatment of 2 newborn infants with autoimmune thrombocytopenia by high–dose intravenous gamma globulins] Le Gall E, et al. Arch Fr Pediatr 1986 Mar; 43(3):191–3 (Eng. Abstr.) (Fre)

[Effect and therapy in the control of thrombocyte–induced hemorrhage with phospholipids (exemplified by Fibraccel)] Tilsner V. Beitr Infusionther Klin Ernahr 1986;15:187–95 (Ger)

[Thrombocyte substitution in children under cytostatic therapy] Wernet D, et al. Beitr Infusionther Klin Ernahr 1986;15:172–8 (Ger)

[Clinical problems of idiopathic (immunologic) thrombocytopenia in pregnancy] Piccione E, et al. Clin Ter 1985 Sep 15;114(5):439–44 (Eng. Abstr.) (Ita)

[Idiopathic chronic thrombocytopenia of childhood treated with immunoglobulins] Boeri E, et al. Minerva Pediatr 1985 Sep 15;37(17):637–8 (Ita)

[Therapy with high–dose intravenous gamma globulin in the newborn infant with thrombocytopenia from passive immunization] Ronconi GF, et al. Pediatr Med Chir 1985 Jul–Aug;7(4):567–8 (Eng. Abstr.) (Ita)

[Mechanism of action of a mass infusion of thrombocytes in experimental drug–induced thrombocytopenia] Shelegiia ShIa, et al. Gematol Transfuziol 1986 Mar;31(3):23–7 (Eng. Abstr.) (Rus)

[Transfusion of vinca alkaloid–loaded thrombocytes and high–dose gamma globulin in the treatment of resistant forms of chronic immune thrombocytopenia] Elezović I, et al. Srp Arh Celok Lek 1985 Feb;113(2):161–71 (Eng. Abstr.) (Scc)

[Clinical aspects of platelet transfusion] Julia A, et al. Sangre (Barc) 1985;30(4–B):548–56 (45 ref.) (Eng. Abstr.) (Spa)

[Planning platelet support as an aid in a leukemia and bone marrow transplant unit] Mazzara R, et al. Sangre (Barc) 1985;30(4–B):557–77 (87 ref.) (Eng. Abstr.) (Spa)

VETERINARY

Mechanism of thrombocytopenia in African swine fever. Edwards JF, et al. Am J Vet Res 1985 Oct;46(10):2058–63

Splenectomy as adjunctive therapy for immune–mediated thrombocytopenia and hemolytic anemia in the dog. Feldman BF, et al. J Am Vet Med Assoc 1985 Sep 15; 187(6):617–9

Splenectomy: an old issue of current controversy [letter] Helfand SC. J Am Vet Med Assoc 1986 Mar 1;188(5):461–3

Feline leukemia virus–induced thrombocytopenia and macrothrombocytosis in cats. Boyce JT, et al. Vet Pathol 1986 Jan;23(1):16–20

Clinical significance of thrombocytopenia in dogs [letter] France MP. Vet Rec 1986 Jul 19;119(3):75

Clinical significance of thrombocytopenia in dogs [letter] Littlewood JD, et al. Vet Rec 1986 Aug 2;119(5):118–9

THROMBOCYTOSIS

BLOOD

Megakaryoblastic transformation of primary thrombocythemia. Reiffers J, et al. Acta Haematol (Basel) 1985;73(4):228–31

Blood coagulation and platelet profiles in persistent post–splenectomy thrombocytosis. The relationship to thromboembolism. Visudhiphan S, et al. Biomed Pharmacother 1985;39(6):264–71

Platelet alpha–granule release in chronic myeloproliferative disorders with thrombocytosis. Sacchi S, et al. Scand J Clin Lab Invest 1986 Apr;46(2):163–6

[Macrothrombocytosis and idiopathic thrombocytopenic purpura: effect of anticoagulant and prior fixation on the determination of platelet volume using the Coulter system] Boneu B, et al. Nouv Rev Fr Hematol 1986;28(1):15–8 (Eng. Abstr.) (Fre)

[Pseudohyperkalemia in the serum in reactive thrombocytosis and thrombocythemia] Mödder B, et al. Dtsch Med Wochenschr 1986 Feb 28;111(9):329–32 (Eng. Abstr.) (Ger)

CHEMICALLY INDUCED

Amoxapine–associated agranulocytosis with thrombocytosis occurring early during recovery. Sedlacek SM, et al. Am J Med 1986 Mar;80(3):533–6

COMPLICATIONS

Acquired type I von Willebrand's disease in a patient with essential thrombocytosis. Casonato A, et al. Acta Haematol (Basel) 1986;75(3):188–9

The incidence of thrombotic and hemorrhagic disorders in association with extreme thrombocytosis: an analysis of 129 cases. Buss DH, et al. Am J Hematol 1985 Dec;20(4):365–72

ECT and thrombocythemia [letter] Hamilton RW, et al. Am J Psychiatry 1986 Feb;143(2):258

Reversible acute sensorineural hearing loss associated with essential thrombocytosis. Grisell DL, et al. Arch Intern Med 1986 Sep;146(9):1813

Nonmetastatic bladder cancer associated with hypercalcemia, thrombocytosis and leukemoid reaction. Bennett JK, et al. J Urol 1986 Jan;135(1):47–8

Coexistent idiopathic thrombocythaemia and monoclonal component: a causal association? [letter] Montefusco E, et al. Scand J Haematol 1985 Nov;35(5):584

[Cerebrovascular complications of thrombocytosis] Bogousslavsky J, et al. Schweiz Med Wochenschr 1983 Apr 9;113(14):493–6 (Eng. Abstr.) (Fre)

DIAGNOSIS

Platelet volume analysis for differential diagnosis of thrombocytosis. Van der Lelie J, et al. J Clin Pathol 1986 Feb;39(2):129–33

[Thrombocytosis and thrombocythemia] Lefrère JJ, et al. Rev Med Interne 1985 Jun;6(3):285–90 (Fre)

[Clinical significance of thrombocytosis following splenectomy in patients with blood diseases] Beknazarov IaB, et al. Gematol Transfuziol 1986 Jun;31(6):41–3 (Eng. Abstr.) (Rus)

DRUG THERAPY

Intermittent melphalan in the treatment of essential thrombocytosis with haemorrhage or thrombosis. de Pauw BE, et al. Scand J Haematol 1985 Oct;35(4):448–50

[Therapy with interferon (recombinant IFN–alpha–2C) in myeloproliferative diseases with severe thrombocytoses] Linkesch W, et al. Acta Med Austriaca 1985;12(5):123–7 (Eng. Abstr.) (Ger)

ETIOLOGY

Pseudothrombocytosis and pseudoleukocytosis in a case of essential mixed cryoglobulinemia (type II). Di Giovanni S, et al. Clin Exp Rheumatol 1986 Apr–Jun;4(2):143–5

[Association of non–Hodgkin's lymphoma of the liver and chronic myeloproliferative syndrome with a predominant thrombocythemic expression] Colombari R, et al. Pathologica 1985 Jul–Aug;77(1050):437–43 (Eng. Abstr.) (Ita)

FAMILIAL & GENETIC

Essential thrombocytosis with the Philadelphia chromosome (Ph'). Nissenblatt MJ, et al. Am J Med Sci 1986 Apr; 291(4):276–9

Translocation t(3;3)(q21;q26) and thrombocytosis [letter] Gascoyne RD, et al. Cancer Genet Cytogenet 1986 Aug; 22(4):365

Translocation t(3;20) associated with thrombocythemia in Ph–positive CML. Turchini MF, et al. Cancer Genet Cytogenet 1986 Feb 1;20(1–2):1–4

Macrocytic anemia, thrombocytosis, and nonlobulated megakaryocytes (5q–syndrome): report of a case. Arthur TZ, et al. J Am Osteopath Assoc 1986 Jan;86(1):23–5

[Refractory anemia, thrombocytosis and deletion of the long

arm of chromosome 5 (letter)] Fernández Martín J, et al. **Med Clin (Barc)** 1985 Sep 21;85(8):345 **(Spa)**

OCCURRENCE

The clinical spectrum of thrombocytosis. Krčová V, et al. **Acta Univ Palacki Olomuc Fac Med** 1984;107:253–9

PATHOLOGY

Megakaryocytopoiesis in different forms of thrombocytosis and thrombocytopenia: identification of megakaryocyte precursors by immunostaining of intracytoplasmic factor–VIII–related antigen. Knecht H, et al. **Acta Haematol (Basel)** 1985;74(4):208–12

The clinical significance of platelet volume analysis. Van der Lelie J, et al. **Neth J Med** 1985;28(10):457–62

RADIOTHERAPY

The effect of different doses of 32P in the treatment of primary thrombocytosis. Randi ML, et al. **Folia Haematol (Leipz)** 1985;112(6):950–6

VETERINARY

Feline leukemia virus–induced thrombocytopenia and macrothrombocytosis in cats. Boyce JT, et al. **Vet Pathol** 1986 Jan;23(1):16–20

THROMBOELASTOGRAPHY see **THROMBELASTOGRAPHY**

THROMBOEMBOLISM

[Meeting of the Study Group on Hemostasis and Thrombosis. Rheims, 18–19 January 1985. Abstracts] **Nouv Rev Fr Hematol** 1986;28(1):44–60 **(Fre)**

BLOOD

Release of vascular plasminogen activator (v–PA) after venous stasis: electrophoretic–zymographic analysis of free and complexed v–PA. Stalder M, et al. **Br J Haematol** 1985 Sep;61(1):169–76

Protein C in thromboembolic disease. Marlar RA. **Semin Thromb Hemost** 1985 Oct;11(4):387–93

Clotting properties in diverse valve prostheses. Zöller H, et al. **Z Kardiol** 1986;75 Suppl 2:338–40

[Immunologic determination of the protein C of coagulation: detection of deficiencies] Aillaud MF, et al. **Ann Biol Clin (Paris)** 1985;43(6):867–71 (Eng. Abstr.) **(Fre)**

[Assessment of the risk of postpartum thromboembolism by measuring antithrombin III levels. A false hope] Massignon D, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986; 15(2):171–2 (Eng. Abstr.) **(Fre)**

[Hemostatic mechanisms and malignant tumors] Kale F, et al. **Folia Haematol (Leipz)** 1985;112(6):809–30 (158 ref.) (Eng. Abstr.) **(Ger)**

[Decrease of antithrombin III and factor Xa inhibitor as the cause of thromboembolism complications in chronic inflammatory intestinal disease] Daiss W, et al. **Internist (Berlin)** 1985 Oct;26(10):643–5 **(Ger)**

[Assay of plasma heparin and heparin–antithrombin III complex—studies in normal volunteers and thromboembolic patients] Oguma Y, et al. **Rinsho Ketsueki** 1986 May;27(5):723–9 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

Hypercoagulable states and the toxic oil syndrome [letter] Castro García M, et al. **Ann Intern Med** 1986 May; 104(5):730

Thrombogenic effects of xenobiotics. Zbinden G, et al. **Arch Toxicol [Suppl]** 1985;8:131–41

Oral contraceptives and venous thromboembolism: findings in a large prospective study. Vessey M, et al. **Br Med J [Clin Res]** 1986 Feb 22;292(6519):526

[Changes in blood coagulation during hormonal contraception] von Hugo R, et al. **Gynakol Rundsch** 1985; 25 Suppl 2:138–41 **(Ger)**

[Unintended effects of oral contraceptives. I.Estrogen–related effects] Kopera H. **Wien Med Wochenschr** 1985 Jul 31;135(13–14):333–7 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Pancreatic carcinoma and Trousseau's syndrome: experience at a large cancer center. Pinzon R, et al. **J Clin Oncol** 1986 Apr;4(4):509–14

[Venous thromboembolic disease and Klinefelter's syndrome] Wautrecht JC, et al. **J Mal Vasc** 1986;11(2):125–7 (Eng. Abstr.) **(Fre)**

[Hepatic insufficiency in acute occlusion of arteries of the lower extremities] Sergeeva NA, et al. **Sov Med** 1986; (4):28–32 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Right heart thromboembolism after cardiac surgery. Amsel BJ, et al. **Ear Heart J** 1986 Jan;7(1):86–90

Acute aortic occlusion—a multifaceted catastrophe. Littooy FN, et al. **J Vasc Surg** 1986 Sep;4(3):211–6

Noninvasive tests in the diagnosis and management of thromboembolic disease. Sumner DS. **Surg Annu** 1986; 18:1–28 (98 ref.)

DRUG THERAPY

Thromboembolic disease. Painter TD. **Am Fam Physician** 1985 Dec;32(6):154–60

Pulsatile heparin administration in pregnancy: a new approach. Hahn CL. **Am J Obstet Gynecol** 1986 Aug; 155(2):283–7

Localized intraarterial streptokinase therapy. Hamelink JK, et al. **Am J Surg** 1986 Sep;152(3):252–6

Streptokinase treatment of cats with experimentally induced aortic thrombosis. Killingsworth CR, et al. **Am J Vet Res** 1986 Jun;47(6):1351–9

Successful warfarin anticoagulation despite protein C deficiency and a history of warfarin necrosis. Zauber NP, et al. **Ann Intern Med** 1986 May;104(5):659–60

Antithrombotic therapy for venous thromboembolic disease. Hyers TM, et al. **Chest** 1986 Feb;89(2 Suppl):26S–35S (120 ref.)

Acute thrombotic obstruction with disc valve prostheses: diagnostic considerations and fibrinolytic treatment. Ledain LD, et al. **J Am Coll Cardiol** 1986 Apr;7(4):743–51

Thromboembolic disease in pregnancy: a prospective trial of intermittent heparin therapy during the antepartum period. Deiter RW. **J Am Osteopath Assoc** 1985 Apr; 85(4):247–51

Anticoagulation therapy [letter] Schweyen DH. **Postgrad Med** 1986 Sep 1;80(3):30, 32–3

Fibrinolytic study in a homozygous protein C deficient patient. Aznar J, et al. **Thromb Res** 1986 May 1;42(3):313–22

Clot–selective thrombolysis: the impact of tissue–type plasminogen activator (t–PA) in thromboembolic diseases. Bounameaux H. **Vasa** 1986;15(2):115–8

[Attacks of gout and thromboembolic disease: role of heparin therapy] Khalifa P, et al. **Ann Med Interne (Paris)** 1985; 136(7):582–4 (Eng. Abstr.) **(Fre)**

[From Quick's percentage to the INR (International Normalized Ratio)—a real advance in the control of oral anticoagulation] Beck EA. **Schweiz Med Wochenschr** 1985 Oct 5;115(40):1378–80 **(Ger)**

[Protocol in interventions in ambulatory surgery of patients under anticoagulant therapy] Italia C, et al. **Ann Osp Maria Vittoria Torino** 1984 Jan–Jun;27(1–6):59–74 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Distant arterial thromboembolization as a postoperative complication of cataract extractions. Schwartz JL. **Ann Ophthalmol** 1986 Jan;18(1):32–4

Decreased thrombogenicity of Björk–Shiley convexoconcave valve [letter] Moulton AL. **Ann Thorac Surg** 1986 Mar; 41(3):346–7

Thromboembolic complications of the Jarvik–7 total artificial heart: case report. Levinson MM, et al. **Artif Organs** 1986 Jun;10(3):236–44

Blood coagulation and platelet profiles in persistent post–splenectomy thrombocytosis. The relationship to thromboembolism. Visudhiphan S, et al. **Biomed Pharmacother** 1985;39(6):264–71

Congenital plasminogen deficiency associated with venous thromboembolism: therapeutic trial with stanozolol. Mannucci PM, et al. **Br J Haematol** 1986 Aug;63(4):753–9

Incidence of systemic thromboembolic lesions in acute myocardial infarction. Puletti M, et al. **Clin Cardiol** 1986 Jul;9(7):331–3

Hereditary protein C deficiency. Broekmans AW. **Haemostasis** 1985;15(4):233–40

Valve thromboembolism: a multifactorial puzzle [letter] Mikhail AA. **J Thorac Cardiovasc Surg** 1986 Sep;92(3 Pt 1):455–7

Vascular complications of inflammatory bowel disease. Talbot RW, et al. **Mayo Clin Proc** 1986 Feb;61(2):140–5

Indium–111 labeled platelet deposition following transfemoral angiography. O'Connor MK, et al. **Radiology** 1986 Jan;158(1):191–4

Concept of hypercoagulability: a review of its development, clinical application, and recent progress. Kitchens CS. **Semin Thromb Hemost** 1985 Jul;11(3):293–315 (267 ref.)

A multivariate pattern recognition study of risk–factors indicating postoperative thromboembolism despite low–dose heparin in major abdominal surgery. Kjaergaard J, et al. **Thromb Haemost** 1985 Aug 30;54(2):409–12

Influence of ADP, blood flow velocity, and vessel diameter on the laser–induced thrombus formation. Seiffge D, et al. **Thromb Res** 1986 May 1;42(3):331–41

Factors influencing thromboembolism after mitral prosthetic implants. Rábago G, et al. **Z Kardiol** 1986;75 Suppl 2:341–4

[Thromboembolic complications in patients with prostheses] Acar J. **Ann Cardiol Angeiol (Paris)** 1985 Dec; 34(10):697–701 (Eng. Abstr.) **(Fre)**

[Arthroplasty of the hip and thromboembolism] Malingue S, et al. **Cah Anesthesiol** 1986 Mar–Apr;34(2):105–9 **(Fre)**

[Thromboembolic risk remains uncertain in protein C deficiency (letter)] Aillaud MF, et al. **Presse Med** 1985 Dec 7;14(42):2150 **(Fre)**

[Protein C deficiency and thromboembolic risk (letter)] Horellou MH, et al. **Presse Med** 1986 Jun 14;15(24):1156 **(Fre)**

[Late thromboembolic complications after mitral valve replacement] Slimane ML. **Tunis Med** 1985 Nov; 63(11):581–8 (Eng. Abstr.) **(Fre)**

[Risk of thromboembolic complications in cancer patients] Tiutrin II, et al. **Vopr Onkol** 1985;31(9):27–31 (Eng. Abstr.) **(Rus)**

[Lupus and thrombosis] Ordi Ros J, et al. **Med Clin (Barc)** 1986 Feb 8;86(5):195–8 **(Spa)**

FAMILIAL & GENETIC

Cardiovascular manifestations in Fabry's disease. A high incidence of mitral valve prolapse in hemizygotes and heterozygotes. Sakuraba H, et al. **Clin Genet** 1986 Apr; 29(4):276–83

Inherited antithrombin III deficiency in an Italian family, associated with venous and arterial thrombosis. Candrina R, et al. **Haematologica (Pavia)** 1985 Sep–Oct;70(5):399–404

The prevalence of hereditary antithrombin–III deficiency in patients with a history of venous thromboembolism. Vikydal R, et al. **Thromb Haemost** 1985 Dec 17;54(4):744–5

[Severe congenital protein C deficiency in the adult. Study of a family] Romo M, et al. **Sangre (Barc)** 1985; 30(6):1038–44 (Eng. Abstr.) **(Spa)**

OCCURRENCE

[Infectious and thromboembolic complications during infusion of solutions into the subclavian veins, ways of preventing them] Mozhaev GA, et al. **Anesteziol Reanimatol** 1986 May–Jun;(3):58–9 (Eng. Abstr.) **(Rus)**

[Thromboembolism of the general and pulmonary circulation (according to data from the Office of Pathological Anatomy of the Latvian Republic for 1976–1983)] Volkov VA. **Arkh Patol** 1985;47(12):51–4 (Eng. Abstr.) **(Rus)**

[Paradoxical thromboembolism (based on data from the Latvian Republic's Pathologico–anatomy Bureau for 1976 to 1983)] Volkov VA. **Arkh Patol** 1985;47(11):81–2 (Eng. Abstr.) **(Rus)**

PATHOLOGY

A stillbirth with aspirated squamous pearls and fetoplacental thromboembolism: a new finding and reminder of the importance of placental and fetal pathologic conditions. Altshuler G, et al. **Am J Obstet Gynecol** 1986 Jul; 155(1):106–7

Paradoxical embolism after surgery. Sperber SJ, et al. **Hosp Pract [Off]** 1986 Apr 15;21(4):159–60, 162

PHYSIOPATHOLOGY

[Complications of continuous arteriovenous hemofiltration] Stokke T, et al. **Anaesthesist** 1985 Oct;34(10):528–9 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Postoperative thromboembolic complications despite heparin prophylaxis in major abdominal surgery. Wille–Jørgensen P, et al. **Ann Chir Gynaecol** 1985;74(3):130–3

Efficacy and safety of low–molecular–weight heparin (CY216) in preventing postoperative venous thrombo–embolism: a co–operative study. Kakkar VV, et al. **Br J Surg** 1985 Oct;72(10):786–91

Antithrombotic therapy in atrial fibrillation. Dunn M, et al. **Chest** 1986 Feb;89(2 Suppl):68S–74S (92 ref.)

Antithrombotic therapy in valvular heart disease. Levine HJ, et al. **Chest** 1986 Feb;89(2 Suppl):36S–45S (121 ref.)

A decision analytic view of anticoagulant prophylaxis for thromboembolism in heart disease. Pauker SG, et al. **Chest** 1986 Feb;89(2 Suppl):99S–106S

Antithrombotic agents in coronary artery disease. Resnekov L, et al. **Chest** 1986 Feb;89(2 Suppl):54S–67S (81 ref.)

Antithrombotic therapy in mechanical and biological prosthetic heart valves and saphenous vein bypass grafts. Stein PD, et al. **Chest** 1986 Feb;89(2 Suppl):46S–53S (57 ref.)

Warfarin versus dipyridamole–aspirin and pentoxifylline–aspirin for the prevention of prosthetic heart valve thromboembolism: a prospective randomized clinical trial. Mok CK, et al. **Circulation** 1985 Nov;72(5):1059–63

The use of antithrombotic therapy in the elderly. Smith T, et al. **Clin Geriatr Med** 1985 Nov;1(4):887–97

Optimal therapeutic anticoagulation. Loeliger EA, et al. **Haemostasis** 1985;15(4):283–92

Combined use of warfarin and adjusted subcutaneous heparin during pregnancy in patients with an artificial heart valve. Lee PK, et al. **J Am Coll Cardiol** 1986 Jul;8(1):221–4

Prophylaxis of venous thromboembolic disease following hip and knee surgery. Hull RD, et al. **J Bone Joint Surg [Am]** 1986 Jan;68(1):146–50

Antiplatelet drugs and the incidence of thromboembolic complications of the St. Jude Medical aortic prosthesis in patients with rheumatic heart disease. Ribeiro PA, et al. **J Thorac Cardiovasc Surg** 1986 Jan;91(1):92–8

Lower risk of thromboembolic disease after total hip replacement with non–cemented than with cemented prostheses. Francis CW, et al. **Lancet** 1986 Apr 5; 1(8484):769–71

Venous thromboembolism. Lottenberg R. **Proc Annu Meet Med Sect Am Counc Life Insur** 1985;:53–6

Does dipyridamole have antithrombotic potential? [letter] Loeliger EA. **Thromb Haemost** 1985 Jun 24;53(3):437

Antithrombotic therapy in children and adolescents. Woods

A, et al. **Thromb Res** 1986 May 1;42(3):289–301
High complication and failure rates of anticoagulant therapy are avoidable. Broekmans AW, et al. **Z Kardiol** 1986;75 Suppl 2:298–301
Do all patients with mechanical heart valve prostheses need anticoagulant therapy? Dale J, et al. **Z Kardiol** 1986;75 Suppl 2:332–7
Anticoagulation is necessary in all patients with mechanical prostheses in sinus rhythm. Duveau D. **Z Kardiol** 1986;75 Suppl 2:326–31
Can early thromboembolic complications after valve replacement be avoided? Kure HH, et al. **Z Kardiol** 1986; 75 Suppl 2:302–4
High complication and failure rates of anticoagulant therapy are unavoidable. Nitter-Hauge S, et al. **Z Kardiol** 1986;75 Suppl 2:293–7
[Prevention of thromboembolic episodes at the 1st Surgical Clinic of the Medical School Hospital in Olomouc] Grosmanová T. **Rozhl Chir** 1986 Feb;65(2):136–41 (Eng. Abstr.) (Cze)
[Low molecular weight heparins] Kher A, et al. **Pathol Biol (Paris)** 1986 Jan;34(1):61–9 (73 ref.) (Eng. Abstr.) (Fre)
[Prevention of venous thromboembolism] Schmitz-Huebner U. **Dtsch Med Wochenschr** 1986 Jun 6;111(23):906–8 (Ger)
[Use of physical measures in the postoperative prevention of thromboembolism. Commentary] Grossmann K, et al. **Zentralbl Chir** 1985;110(24):1525–6 (Ger)
[Dipyridamole and warfarin in patients with artificial heart valve prosthesis: double-blind tests] Ciavarella N, et al. **Cardiologia** 1985 Apr;30(4):301–7 (Eng. Abstr.) (Ita)
[Kinesiology in thromboembolic prophylaxis in patients treated for lateral fracture of the femur neck] Verdoia C, et al. **Minerva Med** 1986 Apr 28;77(18):753–6 (Eng. Abstr.) (Ita)
[Correction of disorders of the hemostatic system after cesarean section among puerperants with decompensated rheumatic heart defects] Lopukhin VO. **Akush Ginekol (Mosk)** 1986 Jan;(1):58–60 (Eng. Abstr.) (Rus)
[Changes in the blood coagulation system in acute hypoxia in rabbits and various methods of their correction] Bakanskaia VV. **Fiziol Zh** 1986 Mar–Apr;32(2):217–21 (Eng. Abstr.) (Rus)
[Prevention of thromboembolic complications in middle-aged and elderly patients after operations on the abdominal organs] Blagovidov DF, et al. **Klin Med (Mosk)** 1986 Jun;64(6):73–7 (Eng. Abstr.) (Rus)
[Prevention of postoperative thromboembolic complications among patients with prostatic adenoma] Dzhabad-Zade MD, et al. **Urol Nefrol (Mosk)** 1985 Jul–Aug;(4):66–72 (164 ref.) (Rus)
[Comparative evaluation of methods of preventing postoperative thromboembolic complications in patients with prostatic adenoma] Dzhavad-Zade MD, et al. **Vestn Khir** 1986 Jun;136(6):58–63 (Eng. Abstr.) (Rus)
[Prevention of perioperative thromboembolism] Bakran I. **Lijec Vjesn** 1986 Apr;108(4):163 (Scr)
[Prevention of thromboembolic complications in fractures of the upper part of the femur] Mazuch J, et al. **Acta Chir Orthop Traumatol Cech** 1986 Feb;53(1):34–40 (Eng. Abstr.) (Slo)
[Congenital antithrombin III deficiency. Use of concentrates in the prevention of thromboembolic episodes (letter)] Velasco F, et al. **Med Clin (Barc)** 1985 Oct 5;85(10):429 (Spa)
[Thromboembolic disease and changes in coagulation after total hip arthroplasty. Effect of prophylaxis with acetylsalicylic acid or heparin-dihydroergotamine] Alfaro M, et al. **Sangre (Barc)** 1986;31(2):145–55 (Eng. Abstr.) (Spa)

RADIOGRAPHY

[Diagnosis and therapy of occlusion caused by thromboembolism in a premature infant using digital subtraction angiography] Alzen G, et al. **Monatsschr Kinderheilkd** 1986 Feb;134(2):102–4 (Eng. Abstr.) (Ger)

RADIONUCLIDE IMAGING

Radioisotope labeled platelets in medical diagnosis. Pope CF, et al. **Invest Radiol** 1986 Aug;21(8):611–7 (52 ref.)

SURGERY

A technique for postembolectomy streptokinase infusion. Early GL, et al. **Arch Surg** 1985 Dec;120(12):1395–7
Open heart surgery for thrombosis of a prosthetic mitral valve during pregnancy. Fetal hydrocephalus. Lapiedra OJ, et al. **J Cardiovasc Surg (Torino)** 1986 Mar–Apr; 27(2):217–20
Percutaneous aspiration thromboembolectomy (PAT): an alternative to surgical balloon techniques for clot retrieval. Turnipseed WD, et al. **J Vasc Surg** 1986 Mar;3(3):437–41
[Surgical treatment of acute arterial obstruction of the limbs in patients with myocardial infarction] Ivashchenko VV. **Khirurgiia (Mosk)** 1985 Jun;(6):29–34 (Eng. Abstr.) (Rus)
[Organizational-tactical problems of surgical treatment of patients with acute thrombosis and embolism of major arteries of the limbs] Dotsenko AP, et al. **Klin Khir** 1985; (7):52–3 (Rus)

THERAPY

Thromboembolism. de Swiet M. **Clin Haematol** 1985 Oct; 14(3):643–60 (102 ref.)
The combined use of transluminal angioplasty and selective clot lysis. Horváth L, et al. **Int Angiol** 1985 Jan–Mar; 4(1):111–6
[Percutaneous aspiration thromboembolectomy: an additional transluminal angioplasty method] Starck E, et al. **Dtsch Med Wochenschr** 1986 Jan 31;111(5):167–72 (Eng. Abstr.) (Ger)

THROMBOLYSIN see FIBRINOLYSIN

THROMBOLYTIC AGENTS see FIBRINOLYTIC AGENTS

THROMBOPENIA see THROMBOCYTOPENIA

THROMBOPHLEBITIS

Venous thromboembolism: prevention, diagnosis and treatment. Symposium proceedings. **Chest** 1986 May;89(5 Suppl):369S–437S
[Primary venous thrombosis of the arm] Oxholm P, et al. **Ugeskr Laeger** 1986 Feb 17;148(8):435–7 (Eng. Abstr.) (Dan)
[Computerized records in vascular pathology. V. Computer-assisted management of records in venous pathology] Boccalon H, et al. **J Mal Vasc** 1986;11(2):140–1 (Eng. Abstr.) (Fre)
[Complications following surgical treatment of Budd-Chiari disease] Frantsev VI, et al. **Khirurgiia (Mosk)** 1985 Jul; (7):109–10 (Rus)

BLOOD

Relationship between factor XII, von Willebrand factor and postoperative deep vein thrombosis. Nilsson T, et al. **Acta Chir Scand** 1986 May;152:347–9
Protein S deficiency in pregnancy. Rose PG, et al. **Am J Obstet Gynecol** 1986 Jul;155(1):140–1
Diagnosis of septic pelvic thrombophlebitis by measurement of fibrinopeptide A. Weiner CP, et al. **Am J Perinatol** 1985 Apr;2(2):93–5
Clinical investigations on long-term activation of fibrinolysis by anabolic steroids. Bielawiec M, et al. **Folia Haematol (Leipz)** 1986;113(1–2):223–9
Influence of fibrinolysis activation on leukocyte adhesiveness. Preliminary report. Lukjan H, et al. **Folia Haematol (Leipz)** 1986;113(1–2):191–7
Relationship between protein C antigen and anticoagulant activity during oral anticoagulation and in selected disease states. Vigano D'Angelo S, et al. **J Clin Invest** 1986 Feb; 77(2):416–25
Fibrinogen Irvine: a qualitatively abnormal fibrinogen associated with the predisposition to recurrent visceral and peripheral venous thrombosis. Lehmer RR, et al. **J Natl Med Assoc** 1985 Jul;77(7):561–5
Estimation of fibrinolytic activity of whole blood in patients with recurrent idiopathic deep venous thrombosis. Harbourne T, et al. **J Vasc Surg** 1986 Jul;4(1):1–4
Abnormal behaviors of ATIII due to conformational changes in a thrombophilic patient. Murayama H. **Nippon Ketsueki Gakkai Zasshi** 1985 Dec;48(8):1906–10
Prevalence of antithrombin III deficiency in blood donors selected for personal or familial history of venous thrombosis. Finazzi G, et al. **Ric Clin Lab** 1985 Apr–Jun; 15(2):173–6
No discriminating power in FPA measurements during fibrinaemia in hip replaced patients generating DVT. Nilsen DW, et al. **Scand J Clin Lab Invest [Suppl]** 1985;178:121–5
Protein C antigen levels in major abdominal surgery: relationships to deep vein thrombosis, malignancy and treatment with stanozolol. Blamey SL, et al. **Thromb Haemost** 1985 Oct 30;54(3):622–5
Protein C deficiency—response to danazol and DDAVP. Gonzalez R, et al. **Thromb Haemost** 1985 Jun 24;53(3):320–2
On the significance of antithrombin-III, alpha 2-macroglobulin, alpha 2-antiplasmin, histidine-rich glycoprotein, and protein C in patients with acute myocardial infarction and deep vein thrombosis. Gram J, et al. **Thromb Haemost** 1985 Aug 30;54(2):503–5
Plasminogen activator inhibitor (PA-inhibitor) activity in the blood of patients with deep vein thrombosis [letter] Paramo JA, et al. **Thromb Haemost** 1985 Oct 30;54(3):725
Postoperative changes in the plasmatic levels of tissue-type plasminogen activator and its fast-acting inhibitor—relationship to deep vein thrombosis and influence of prophylaxis. Páramo JA, et al. **Thromb Haemost** 1985 Oct 30;54(3):713–6
Normal response to the tissue-type plasminogen activator after venous occlusion in a Fitzgerald trait patient [letter] Vicente García V, et al. **Thromb Haemost** 1985 Aug 30; 54(2):548
A functional abnormal antithrombin III (AT III) deficiency: AT III Charleville. Aiach M, et al. **Thromb Res** 1985 Sep 1;39(5):559–70
Plasminogen activator inhibitors in plasma and platelets from patients with recurrent venous thrombosis and pregnant women. Higgroth L, et al. **Thromb Res** 1986 Jun 1; 42(5):585–94
Half life and incorporation into venous thrombi of the normally occurring plasma fibrinogen fractions HMW and LMW. Holm B, et al. **Thromb Res** 1986 Jan 1;41(1):57–66
Thrombolysis and fibrinolytic parameters during heparin treatment of deep vein thrombosis. Schulman S, et al. **Thromb Res** 1985 Sep 1;39(5):607–12
[2 cases of recurrent deep venous thrombosis with protein C deficiency] Reinharez D. **Phlebologie** 1985 Jul–Sep; 38(3):429–35 (Eng. Abstr.) (Fre)
[Quantitative and qualitative hemostatic changes in 373 patients with recurring venous thromboses] Marbet GA, et al. **Schweiz Med Wochenschr** 1985 Oct 26;115(43):1505–6 (Eng. Abstr.) (Ger)
[Decreased fibrinolytic activity in venous walls of patients with venous thromboses] Hach V, et al. **Vasa** 1985; 14(4):336–9 (Eng. Abstr.) (Ger)
[Protein C dynamics in peripheral arterial occlusive diseases and myocardial infarction: association of homozygous protein C deficiency with heterozygous dysplasminogenemia found among patients with deep vein thrombosis] Manabe S. **Nippon Geka Gakkai Zasshi** 1986 Feb;87(2):220–30 (Eng. Abstr.) (Jpn)
[Comparative studies of the antithrombin III level and plasminogen activator activity in patients with thrombophlebitis] Tymiński W, et al. **Pol Tyg Lek** 1985 Oct 28;40(43):1202–4 (Eng. Abstr.) (Pol)
[Hemorrheology and hemostasis in acute thrombosis of the main veins] Aleksandrova NP, et al. **Sov Med** 1985;(7):82–6 (Rus)

CHEMICALLY INDUCED

Thiopentone complication [letter] Lamont AS. **Anaesth Intensive Care** 1985 Nov;13(4):442
Venous thrombosis and cyclosporin [letter] Allen RD, et al. **Lancet** 1985 Nov 2;2(8462):1004
[Cerebral venous thrombosis associated with the use of oral contraceptives] Tsuboi K, et al. **No Shinkei Geka** 1986 Mar; 14(4):521–6 (Eng. Abstr.) (Jpn)

COMPLICATIONS

Thromboneurosis: a new term for postphlebitic neurosis? [letter] Schatz IJ. **Arch Intern Med** 1986 Jun;146(6):1237
Myocardial infarction in a young man with systemic lupus erythematosus, deep vein thrombosis, and antibodies to phospholipid. Asherson RA, et al. **Br Heart J** 1986 Aug; 56(2):190–3
Late venous function in the leg after deep venous thrombosis occurring in relation to pregnancy. Lindhagen A, et al. **Br J Obstet Gynaecol** 1986 Apr;93(4):348–52
The pseudothrombophlebitis syndrome in a patient with polymyalgia rheumatica [letter] Perez MC, et al. **Br J Rheumatol** 1986 Feb;25(1):130
Deep vein thrombosis in patients with superficial thrombophlebitis of the leg. Bergqvist D, et al. **Br Med J [Clin Res]** 1986 Mar 8;292(6521):658–9
Venous thromboembolism. Scope of the problem. Dalen JE, et al. **Chest** 1986 May;89(5 Suppl):370S–373S
Follow-up of circulatory changes secondary to deep venous thrombosis with special regards to radionuclide tests. Edenbrandt CM, et al. **Clin Physiol** 1986 Apr;6(2):153–61
Comparison of fibrinolytic treatment with interruption of the inferior caval vein in the prevention of pulmonary embolism. Haissaguerre M, et al. **Int J Cardiol** 1986 Aug; 12(2):213–21
Indications and results of vein valve transplant. Taheri SA, et al. **J Cardiovasc Surg (Torino)** 1986 Mar–Apr;27(2):163–8
Thrombophlebitis: an unusual cause of chest pain [letter] Faierman D, et al. **NY State J Med** 1985 Oct;85(10):609–10
[Sudden death in venous diseases] Kvapilova H, et al. **Phlebologie** 1986 Jan–Mar;39(1):149–55 (Eng. Abstr.) (Fre)
[Phlebitis in a child due to a femoral exostosis. Apropos of 1 case] Schadeck M. **Phlebologie** 1986 Jan–Mar; 39(1):101–11 (Eng. Abstr.) (Fre)
[A severe case of bronchial pneumonia due to Mycoplasma pneumoniae accompanied by immunosuppression, thrombophlebitis and hepatitis resolved with human immunoglobulins] Filippi A, et al. **G Batteriol Virol Immunol** 1985 Jan–Jun;78(1–6):43–51 (Eng. Abstr.) (Ita)
[Prophylaxis and treatment of pulmonary thromboembolism] Aschieri F, et al. **Minerva Cardioangiol** 1986 May; 34(5):363–98 (274 ref.) (Eng. Abstr.) (Ita)
[Doppler ultrasound and strain gauge plethymography in the diagnosis of the post-phlebitic syndrome] Macchione C, et al. **Minerva Med** 1985 Oct 20;76(40):1839–50 (Eng. Abstr.) (Ita)
[Thrombophlebitis in vasculitis] Yoshida H, et al. **Nippon Rinsho** 1985 Oct;43(10):2151–6 (Jpn)
[Critical assessment of the diagnostic value of phlebography and the attempt to increase its effectiveness by conducting venous pressure measurements in varicose veins and post-thrombophlebitic syndrome in the lower extremities] Tereszczyk T. **Ann Acad Med Stetin** 1985;31:169–84 (Eng. Abstr.) (Pol)
[Resection of the distal segment of the posterior tibial veins in post-thrombotic disease of the lower extremities] Konstantinova GD, et al. **Khirurgiia (Mosk)** 1986 May; (5):119–21 (Rus)

[Fat embolism in gangrene of the lower extremity] Konstantinov GS. **Ortop Travmatol Protez** 1986 Feb; (2):36–7 **(Rus)**

[Prognosis of the sequelae of thrombosis of major veins of the lower limbs] Kniazev MD, et al. **Sov Med** 1985; (6):89–93 **(Rus)**

[Errors in the diagnosis of thrombosis of an aneurysm of the ostium of the great saphenous vein] Sarvanov IA. **Vestn Khir** 1986 Mar;136(3):62–3 **(Rus)**

CONGENITAL

[Congenital abnormalities related to coagulation and the fibrinolytic system in patients with vein thrombosis of the lower extremities] Murayama H, et al. **Nippon Geka Gakkai Zasshi** 1986 Apr;87(4):450–5 **(Eng. Abstr.)** **(Jpn)**

DIAGNOSIS

Thermography and plethysmography in the diagnosis of deep venous thrombosis—a comparison with phlebography. Andersson S. **Acta Med Scand** 1986;219(4):359–66

MRI of puerperal ovarian-vein thrombosis (case report). Martin B, et al. **AJR** 1986 Aug;147(2):291–2

Diagnostic methods for deep vein thrombosis: venous Doppler examination, phleborheography, iodine-125 fibrinogen uptake, and phlebography. Comerota AJ, et al. **Am J Surg** 1985 Oct 8;150(4A):14–24

Hemodynamic and clinical assessment after therapy for acute deep vein thrombosis. A prospective study. Kakkar VV, et al. **Am J Surg** 1985 Oct 8;150(4A):54–63

Diagnosis of deep vein thrombosis. Review of clinical evaluation and impedance plethysmography. Wheeler HB. **Am J Surg** 1985 Oct 8;150(4A):7–13

Diagnosis in phlebothrombosis. Phlebofluorography versus Doppler sonography. Maurer HJ. **Ann Radiol (Paris)** 1986; 29(2):161–4

Heterotopic ossification masquerading as deep venous thrombosis in head-injured adult: complications of anticoagulation. Ragone DJ Jr, et al. **Arch Phys Med Rehabil** 1986 May;67(5):339–41

Deep vein thrombosis [letter] Tuel SM, et al. **Arch Phys Med Rehabil** 1985 Nov;66(11):796

Infusion thrombophlebitis [letter] Gemmell LW, et al. **Br J Anaesth** 1986 Apr;58(4):467–8

Stress fracture of the tibia mimicking deep venous thrombosis or rupture of the popliteal cyst [letter] Pal B, et al. **Br J Rheumatol** 1986 Aug;25(3):319–20

Diagnosis of thrombophlebitis. Hirsh J. **Can J Surg** 1986 Jan; 29(1):17

Diagnostic approaches for deep vein thrombosis. Wheeler HB, et al. **Chest** 1986 May;89(5 Suppl):407S–412S

Noninvasive diagnosis of clinically suspected deep venous thrombosis. McCandless ME, et al. **Cleve Clin Q** 1985 Winter;52(4):555–60

The importance of verifying the diagnosis of acute venous thrombosis. Strandness DE Jr. **Cleve Clin Q** 1985 Winter; 52(4):553–4

Evaluation of clinical signs and symptoms in active deep venous thrombosis of the calf. Frić M, et al. **Cor Vasa** 1985; 27(5):346–52

Thermography in suspected deep venous thrombosis of lower leg. Soini IH. **Eur J Radiol** 1985 Nov;5(4):281–4

Transformation of inferior vena caval thrombosis to membranous obstruction in a patient with the lupus anticoagulant. Terabayashi H, et al. **Gastroenterology** 1986 Jul;91(1):219–24

The assessment of chronic venous obstructions by non invasive haemodynamic studies and imaging with Kr-81 m venography. Zicot M, et al. **Int Angiol** 1986 Jan–Mar; 5(1):21–5

Evaluation of radiocolloids as thrombus imaging agents. Effect of particle size on thrombus uptake. Rosenthal SN, et al. **Int J Nucl Med Biol** 1985;12(5):375–80

Detection of deep vein thrombosis in the diagnosis of pulmonary embolism. Sasahara AA, et al. **J Nucl Med Allied Sci** 1986 Jan–Mar;30(1):57–61

The noninvasive vascular laboratory. An update. Part III: Current uses—evaluation of the venous system (3). Jacocks MA, et al. **J Okla State Med Assoc** 1986 May;79(5):327–30

Deep venous thrombosis: detection by probe compression of veins. Raghavendra BN, et al. **J Ultrasound Med** 1986 Feb;5(2):89–95

Analysis of blood clot echogenicity. Peter DJ, et al. **JCU** 1986 Feb;14(2):111–6

Preoperative identification of risk of deep venous thrombosis [letter] Eisinger A. **Lancet** 1986 Jul 26;2(8500):218

Homans' sign and medical education [letter] Sandler DA. **Lancet** 1985 Nov 16;2(8464):1130–1

Pre-operative identification of patients at high risk of deep venous thrombosis after elective major abdominal surgery. Sue-Ling HM, et al. **Lancet** 1986 May 24;1(8491):1173–6

Serial impedance plethysmography for diagnosis of symptomatic venous thrombosis [letter] **N Engl J Med** 1986 Sep 18;315(12):765

Serial impedance plethysmography for suspected deep venous thrombosis in outpatients. The Amsterdam General Practitioner Study. Huisman MV, et al. **N Engl J Med** 1986 Mar 27;314(13):823–8

Venous thrombosis made easy [editorial] Salzman EW. **N Engl J Med** 1986 Mar 27;314(13):847–8

Venous outflow measurement in the diagnosis of deep vein thrombosis—principles and practice. Voorhoeve R, et al. **Neth J Surg** 1986 Feb;38(1):6–10

Primary deep venous thrombosis of the upper extremities. Miani S, et al. **Panminerva Med** 1985 Apr–Jun;27(2):75–8

Diagnosis of deep venous thrombosis and pulmonary embolism. The tests and their limitations. Kryda MJ, et al. **Postgrad Med** 1986 May 1;79(6):138–40, 143–8

Deep vein thrombosis of the calf: a diagnostic sign. Herman J. **Practitioner** 1986 Feb;230(1412):102, 105

Comments on calf hematoma mimicking thrombophlebitis [letter] Bettmann MA. **Radiology** 1986 Aug;160(2):567

A comparison of impedance plethysmography and strain gauge plethysmography in the diagnosis of deep venous thrombosis in symptomatic outpatients. Huisman MV, et al. **Thromb Res** 1985 Nov 15;40(4):533–41

The value of adding thermographic leg scanning to impedance plethysmography in the detection of deep vein thrombosis. Jonker JJ, et al. **Thromb Res** 1986 Jun 1; 42(5):681–8

Salivary beta-thromboglobulin: a possible marker for deep vein thrombosis following elective hip surgery. Levack B, et al. **Thromb Res** 1986 Feb 1;41(3):319–24

Maximal venous outflow in the diagnosis of deep venous thrombosis, new principles for its determination. Lundgren PO, et al. **Vasa** 1985;14(4):346–8

Thrombophlebitis in Behçet's disease. Ozer ZG, et al. **Vasa** 1985;14(4):379–82

[Thermography in the detection of latent thromboses of the lower extremities after surgery] Chudáček Z. **Cesk Radiol** 1985 Dec;39(6):386–8 (Eng. Abstr.) **(Cze)**

[Clinical diagnosis in suspected deep venous thrombosis of the lower limb] Hvidt C, et al. **Ugeskr Laeger** 1986 Apr 21;148(17):1008–10 (Eng. Abstr.) **(Dan)**

[Clinical diagnosis of deep venous thrombosis] Jensen C, et al. **Ugeskr Laeger** 1986 Jun 23;148(26):1589–90 (Eng. Abstr.) **(Dan)**

[Thermography in the diagnosis of deep venous thrombosis] Mäkäräinen H, et al. **Duodecim** 1985;101(20):1973–7 (Eng. Abstr.) **(Fin)**

[Echographic aspects of blood clots] Fauvel G. **Phlebologie** 1986 Jan–Mar;39(1):123–34 (Eng. Abstr.) **(Fre)**

[Venous circulatory resistance in the diagnosis and follow-up of venous thromboses] Klein Rouweler BJ, et al. **Phlebologie** 1986 Jan–Mar;39(1):81–5 (Eng. Abstr.) **(Fre)**

[Thromboembolic disease in pneumology. Value of mercury-gauge plethysmography with venous occlusion] Escamilla R, et al. **Rev Mal Respir** 1985;2(3):133–8 (Eng. Abstr.) **(Fre)**

[Extraordinary "thrombophlebitis" of the femoral vein] Gareau R. **Union Med Can** 1986 Jan;115(1):53–4 **(Fre)**

[Diagnosis of deep venous thromboses of the legs] Trübestein G. **Dtsch Med Wochenschr** 1986 Apr 11;111(15):589–90 **(Ger)**

[Value of phlebo-scintigraphy for clarifying thromboembolic processes in the pelvis and legs] Beyer-Enke SA, et al. **ROFO** 1986 May;144(5):526–31 (Eng. Abstr.) **(Ger)**

[Diagnosis of deep venous thrombosis of the leg. Phlebofluorography versus Doppler sonography] Maurer HJ. **ROFO** 1986 Feb;144(2):196–8 (Eng. Abstr.) **(Ger)**

[Phlebography versus Doppler sonography for follow-up of venous thromboses of the legs] Maurer HJ, et al. **Rontgenblatter** 1986 May;39(5):121–4 (Eng. Abstr.) **(Ger)**

[Significance of pneumatic plethysmography in the diagnosis of venous diseases] Grossmann K. **Z Arztl Fortbild (Jena)** 1986;80(3):103–6 **(Ger)**

[Value of ultrasound Doppler study in the diagnosis of acute venous occlusion syndrome. A report of experiences from the clinical and polyclinical viewpoint] Kühnel L. **Z Arztl Fortbild (Jena)** 1986;80(3):113–8 **(Ger)**

[Technical venous diagnosis as an aid in decision making in treatment planning] Partsch H. **Z Arztl Fortbild (Jena)** 1986;80(3):89–95 **(Ger)**

[Venous diseases in pregnancy] Wienert V. **Z Hautkr** 1985 Dec 1;60(23):1835–8 (Eng. Abstr.) **(Ger)**

[Instrumental diagnosis of the post-phlebitic syndrome of the lower limbs] Brianzoni E, et al. **Minerva Med** 1985 Nov 3;76(42):1999–2005 (Eng. Abstr.) **(Ita)**

[Venous-occlusive plethysmography in the diagnosis of thrombosis of the deep veins of the lower limbs] Savchuk BD, et al. **Klin Med (Mosk)** 1985 Oct;63(10):65–9 **(Rus)**

[Clinical and treatment characteristics of postoperative thrombophlebitis] Askerkhanov RP, et al. **Vestn Khir** 1985 Dec;135(12):122–5 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Femoral neuropathy following anticoagulant therapy for "economy class syndrome" in a young woman. A case report. Alberty-Ryöppy A, et al. **Acta Chir Scand** 1985; 151(7):643–5

Streptokinase therapy in the routine management of deep venous thrombosis in the lower extremities. A retrospective study of phlebographic results and therapeutic complications. Ott P, et al. **Acta Med Scand** 1986; 219(3):295–300

Long-term sequelae of calf vein thrombosis treated with heparin or low-dose streptokinase. Schulman S, et al. **Acta Med Scand** 1986;219(4):349–57

Studies on the medical treatment of deep vein thrombosis. Schulman S. **Acta Med Scand [Suppl]** 1985;704:1–68

Duration of warfarin anticoagulant therapy and the probabilities of recurrent thromboembolism and hemorrhage. Petitti DB, et al. **Am J Med** 1986 Aug; 81(2):255–9

Thrombolytic therapy for deep vein thrombosis. Persson AV, et al. **Am J Surg** 1985 Oct 8;150(4A):50–3

Candida septic thrombosis of the great central veins associated with central catheters. Clinical features and management. Strinden WD, et al. **Ann Surg** 1985 Nov; 202(5):653–8

Persistent staphylococcal bacteremia in an intravenous drug abuser. Barg NL, et al. **Antimicrob Agents Chemother** 1986 Feb;29(2):209–11

Treatment of venous thromboembolism. Hirsh J, et al. **Chest** 1986 May;89(5 Suppl):426S–433S

Anticoagulant therapy in right-sided thromboembolic disease. Robin ED, et al. **Chest** 1986 Jun;89(6):882–4

Bone image detection of lesions induced by self-administered anticoagulants. Polga JP, et al. **Clin Nucl Med** 1985 Aug; 10(8):592

Unusual reaction to subcutaneous heparin. Tosti A, et al. **Contact Dermatitis** 1985 Sep;13(3):190

Proceedings of the defibrotide symposium. 8th International Congress on Thrombosis. Istanbul, June 4–7, 1984. **Haemostasis** 1986;16 Suppl 1:1–68

Defibrotide therapy for thrombophlebitis—controlled clinical trial. Di Perri T, et al. **Haemostasis** 1986;16 Suppl 1:42–7

Subcutaneous heparin treatment of deep venous thrombosis: a comparison of unfractionated and low molecular weight heparin. Holm HA, et al. **Haemostasis** 1986;16 Suppl 2:30–7

Intravenous and subcutaneous administration of Fragmin in deep venous thrombosis. Lockner D, et al. **Haemostasis** 1986;16 Suppl 2:25–9

Defibrotide is antithrombotic and thrombolytic against rabbit venous thrombosis. Niada R, et al. **Haemostasis** 1986;16 Suppl 1:3–8

Effect of defibrotide in electrically induced thrombosis in dogs. Ulutin ON, et al. **Haemostasis** 1986;16 Suppl 1:9–12

Use of the subcutaneous heparin pump during pregnancy. Barss VA, et al. **J Reprod Med** 1985 Dec;30(12):899–901

Effects of coumadin on the resolution of canine venous thrombi. Hoffman MJ, et al. **J Surg Res** 1986 Jan;40(1):1–5

Oral anticoagulants in calf-vein thrombosis [letter] Lagerstedt C, et al. **Lancet** 1985 Dec 7;2(8467):1311–2

Treatment of deep venous thrombosis [letter] **Mayo Clin Proc** 1986 Jun;61(6):507–8

Heparin and the in-hospital management of deep venous thrombosis: cost considerations. Rooke TW, et al. **Mayo Clin Proc** 1986 Mar;61(3):198–204

Long-term intraperitoneal application of low molecular weight heparin in a continuous ambulatory peritoneal dialysis patient with deep vein thrombosis. Schrader J, et al. **Nephron** 1986;42(1):83–4

Medical crisis revisited. Schwartz H. **Pa Med** 1986 Mar; 89(3):40, 42

Treatment of venous thromboembolic disease. A pragmatic approach to anticoagulation and thrombolysis. Linn BJ, et al. **Postgrad Med** 1986 May 1;79(6):171–80

An important complication of anticoagulation therapy: a case presentation. Holm RP, et al. **SD J Med** 1985 Oct; 38(10):5–8

Prolonged hospitalization because of inappropriate delay of warfarin therapy in deep venous thrombosis. Westblom TU, et al. **South Med J** 1985 Oct;78(10):1164–7

A comparison between low molecular weight heparin (KABI 2165) and standard heparin in the intravenous treatment of deep venous thrombosis. Bratt G, et al. **Thromb Haemost** 1985 Dec 17;54(4):813–7

Antithrombotics in view of thrombosis models. Hladovec J. **Thromb Res** 1986 Sep 1;43(5):545–61

A sensitive model of venous thrombosis in rats. Hladovec J. **Thromb Res** 1986 Sep 1;43(5):539–44

Thrombolysis and fibrinolytic parameters during heparin treatment of deep vein thrombosis. Schulman S, et al. **Thromb Res** 1985 Sep 1;39(5):607–12

Comparison between heparin and a heparin analogue (sodium pentosan polysulphate) in the initial treatment of deep vein thrombosis. Preliminary communication. Bergqvist D, et al. **Vasa** 1986;15(1):77–80

[A family with venous thrombosis and hereditary antithrombin III deficiency (letter)] **Ned Tijdschr Geneeskd** 1986 Feb 22;130(8):370–1 **(Dut)**

[Mercury strain gauge plethysmography. A noninvasive exploration method for monitoring the efficacy of treatment of deep venous thrombosis] Barroy JP, et al. **J Mal Vasc** 1985;10(3):197–202 (Eng. Abstr.) **(Fre)**

[Fibrinolytic treatment of deep vein thrombosis and lung embolism] Scheffler P, et al. **Behring Inst Mitt** 1986 Feb; (79):241–9 (Eng. Abstr.) **(Ger)**

[Therapy of deep venous thromboses of the legs] Trübestein G. **Dtsch Med Wochenschr** 1986 Apr 11;111(15):591–2 **(Ger)**

[Results of ultra-high streptokinase (Awelysin) doses in patients with thrombophlebitis] Altmann E, et al. **Folia Haematol (Leipz)** 1986;113(1–2):75–81 (Eng. Abstr.) **(Ger)**

[Short-term lysis of venous thrombosis with ultra-high streptokinase doses] Anders O, et al. **Folia Haematol (Leipz)** 1986;113(1–2):82–7 (Eng. Abstr.) **(Ger)**

[Venous toning with dihydroergotamine—subcutaneous or buccal administration] Schott G. **Z Arztl Fortbild (Jena)** 1986;80(3):127–9 **(Ger)**

[Current results of hemostasis research (protein C, protein

S) and their effect on oral anticoagulant therapy in clinical practice] Gruber A, et al. **Orv Hetil** 1985 Nov 10; 126(45):2759–64 (Eng. Abstr.) **(Hun)**

[Clinical study of the efficacy of mesoglycan in the treatment of venous diseases of the legs] Vercelloni M, et al. **Clin Ter** 1985 Nov 15;115(3):173–6 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Deep venous thrombosis with clinical signs after catheterization of the superior vena cava system. Bouffard Y, et al. **Acta Anaesthesiol Scand [Suppl]** 1985;81:65–6

"Half-way" venous catheters. IV. Clinical experience and thrombogenicity. Linder LE, et al. **Acta Anaesthesiol Scand [Suppl]** 1985;81:40–7

Relationships between tissue plasminogen activator, steroid hormones and deep vein thrombosis. Nilsson T, et al. **Acta Chir Scand** 1985;151(6):515–9

Thrombophlebitis and septicemia—complications related to intravascular devices and their prophylaxis. A review. Brismar B, et al. **Acta Chir Scand [Suppl]** 1986;530:73–7 (31 ref.)

Recurrent intra-uterine deaths, venous thrombosis and "lupus anticoagulant".Isa L, et al. **Acta Obstet Gynecol Scand** 1985; 64(8):689–90

Unusual case of central vein thrombosis and sepsis. Slagle DC, et al. **Am J Med** 1986 Aug;81(2):351–4

Treatment of silastic catheter-induced central vein septic thrombophlebitis. Topiel MS, et al. **Am J Med Sci** 1986 Jun;291(6):425–8

Intravenous antibiotics and gangrene [letter] Konarzewski WH, et al. **Anaesthesia** 1985 Nov;40(11):1141

Paraneoplastic digital thrombosis: a case report. Albin G, et al. **Angiology** 1986 Mar;37(3 Pt 1):203–6

Idiopathic spontaneous deep venous thrombophlebitis in an adolescent: a case report. Donath GR, et al. **Angiology** 1985 Nov;36(11):815–20

Central venous access with occlusive superior central venous thrombosis. Torosian MH, et al. **Ann Surg** 1986 Jan; 203(1):30–3

Urokinase therapy for Silastic catheter-induced intravascular thrombi in infants and children. Curnow A, et al. **Arch Surg** 1985 Nov;120(11):1237–40

Sarcoidosis presenting as widespread thrombophlebitis. Rowland Payne CM, et al. **Clin Exp Dermatol** 1985 Nov; 10(6):592–4

Deep vein thrombosis and related platelet changes after total hip replacement. Paramo JA, et al. **Haemostasis** 1985; 15(6):389–94

Candidal suppurative peripheral thrombophlebitis: recognition, prevention, and management. Walsh TJ, et al. **Infect Control** 1986 Jan;7(1):16–22

Menetrier's disease presenting with deep venous thrombosis, iron deficiency anaemia and early evolution to atrophic gastritis. McDermott VG, et al. **Ir J Med Sci** 1986 Feb; 155(2):53–4

Axillary vein thrombosis: a rare complication following creation of arteriovenous fistula for hemodialysis. Mashiah A, et al. **J Cardiovasc Surg (Torino)** 1986 May-Jun; 27(3):291–3

Cerebral venous thrombosis due to high-altitude polycythemia. Case report. Fujimaki T, et al. **J Neurosurg** 1986 Jan;64(1):148–50

Pseudothrombophlebitis of the thigh: unusual complication of repeated aspiration of recurrent knee effusion. Dunn NA. **J R Soc Med** 1986 May;79(5):299–300

Phlebitis associated with noninvasive 24-hour ambulatory blood pressure monitor [letter] Creevy PC, et al. **JAMA** 1985 Nov 1;254(17):2411

Haemostatic abnormalities and malignant disease [letter] **Lancet** 1986 Mar 22;1(8482):677

Thrombotic events after intravenous immunoglobulin [letter] Frame WD, et al. **Lancet** 1986 Aug 23;2(8504):468

Unsuccessful search for anaerobic bacteria in thrombophlebitis associated with peripheral venous catheters [letter] Collignon PJ, et al. **N Engl J Med** 1986 May 15;314(20):1323–4

Antithrombin III Toyama: a congenital antithrombin III abnormality with recurrent thrombophlebitis. Takahashi K, et al. **Nippon Ketsueki Gakkai Zasshi** 1985 Dec; 48(8):1895–905

Suppurative thrombophlebitis with sepsis due to Candida albicans: an unusual complication of intravenous therapy in cystic fibrosis. Malfroot A, et al. **Pediatr Infect Dis** 1986 May-Jun;5(3):376–7

Etiology and prevention of thromboembolic disease. Taming a complex circulatory malfunction. Sautter RD. **Postgrad Med** 1986 May 1;79(6):159–61, 164–6

Deep-vein thrombosis after major non-cardiovascular thoracic surgery. Ljungström KG. **Scand J Thorac Cardiovasc Surg** 1985;19(2):161–4

Prediction of deep vein thrombosis after extensive abdominal operations by the quotient between plasmin-alpha 2-antiplasmin complex and fibrinogen concentration in plasma. Mellbring G, et al. **Surg Gynecol Obstet** 1985 Oct; 161(4):339–42

Experimental studies on venous thrombosis: effect of coagulants, procoagulants and vessel contusion. Aronson DL, et al. **Thromb Haemost** 1985 Dec 17;54(4):866–70

Subclavian vein thrombosis in hemodialysis patients. Cheung AK, et al. **Trans Am Soc Artif Intern Organs** 1985;31:131–5

[Protein C deficiency and thrombosis. Physiological and clinical aspects] Gram J, et al. **Ugeskr Laeger** 1986 Jun 30;148(27):1670–2 (Eng. Abstr.) **(Dan)**

[Etiologic evaluation of deep venous thrombosis: hemostasis tests to perform] Sie P. **Ann Biol Clin (Paris)** 1985; 43(6):817–9 **(Fre)**

[Systematic research on an etiology in apparently primary deep venous thrombosis. Apropos of 59 cases] Caes F, et al. **J Chir (Paris)** 1985 Aug-Sep;122(8–9):455–8 (Eng. Abstr.) **(Fre)**

[Effects of intravenous electrodes of cardiac pacemakers. Clinical and plethysmographic approach] Glock Y, et al. **Phlebologie** 1985 Oct-Dec;38(4):599–607 (Eng. Abstr.) **(Fre)**

[Venous lesions in relation to injections and the use of catheters] Otteni JC, et al. **Phlebologie** 1985 Oct-Dec; 38(4):575–88 (Eng. Abstr.) **(Fre)**

[Phlebitogenicity of venous catheters of Vialon] Fassolt A. **Infusionsther Klin Ernahr** 1985 Dec;12(6):282–6 (Eng. Abstr.) **(Ger)**

[Observations on iatrogenic superficial thrombophlebitis] Caprio B, et al. **Minerva Cardioangiol** 1985 Jun;33(6):381–6 (Eng. Abstr.) **(Ita)**

[A case of deep vein thrombosis after coronary bypass surgery] Suma H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Apr;34(4):532–5 (Eng. Abstr.) **(Jpn)**

[Deep vein thrombosis of the lower extremities in operated-on patients: risk factors and early diagnosis] Wencel D. **Ann Acad Med Stetin** 1985;31:53–66 (Eng. Abstr.) **(Pol)**

[Thrombophlebitis of lower limbs: its incidence and the effect of its prevention in parturients and patients after gynecological operations] Uszyński M, et al. **Ginekol Pol** 1985 May-Jun;56(5–6):370–4 (Eng. Abstr.) **(Pol)**

[Allergic vasculitis complicated by DIC syndrome and multiple thrombosis] Karavaeva IP, et al. **Ter Arkh** 1986; 58(4):141–2 **(Rus)**

[Changes in regional hemostasis in the extremities of patients with cerebral circulatory disorders] Stulin ID, et al. **Zh Nevropatol Psikhiatr** 1986;86(1):46–9 (Eng. Abstr.) **(Rus)**

[Clinical manifestations of the anticoagulant lupus factor. Apropos of 2 cases and review of the literature] Olalla Antolín JJ, et al. **Rev Esp Cardiol** 1986 Mar-Apr; 39(2):163–5 (Eng. Abstr.) **(Spa)**

[Thromboembolic disease during the total hip arthroplasty postoperative period: predictive value of various clinical variables and laboratory parameters] Páramo JA, et al. **Sangre (Barc)** 1985;30(5):881–7 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Inherited deficiency of protein S in a Japanese family with recurrent venous thrombosis: a study of three generations. Kamiya T, et al. **Blood** 1986 Feb;67(2):406–10

Inherited antithrombin III deficiency in an Italian family, associated with venous and arterial thrombosis. Candrina R, et al. **Haematologica (Pavia)** 1985 Sep-Oct;70(5):399–404

A protein S deficient family with portal vein thrombosis [letter] Sas G, et al. **Thromb Haemost** 1985 Oct 30;54(3):724

Investigation of a congenital abnormal plasminogen, Frankfurt I, and its relationship to thrombosis. Scharrer IM, et al. **Thromb Haemost** 1986 Jun 30;55(3):396–401

Homozygous protein C deficiency combined with heterozygous dysplasminogenemia found in a 21-year-old thrombophilic male. Manabe S, et al. **Thromb Res** 1985 Aug 1;39(3):333–41

Homozygous protein C deficiency with moderately severe clinical symptoms. Sharon C, et al. **Thromb Res** 1986 Feb 15;41(4):483–8

[A family with venous thrombosis and hereditary antithrombin III deficiency] Michiels JJ, et al. **Ned Tijdschr Geneeskd** 1986 Jan 4;130(1):28–31 (Eng. Abstr.) **(Dut)**

[Recurrent venous thrombosis in 2 Hungarian protein C-deficient families] Domján G, et al. **Orv Hetil** 1985 Dec 29;126(52):3191–3 (Eng. Abstr.) **(Hun)**

IMMUNOLOGY

Anticardiolipin antibody, recurrent thrombosis, and warfarin withdrawal. Asherson RA, et al. **Ann Rheum Dis** 1985 Dec; 44(12):823–5

MORTALITY

Late results in deep vein thrombosis of the lower extremity. Widmer LK, et al. **Vasa** 1985;14(3):264–8

OCCURRENCE

Pulmonary thromboembolism and venous thrombosis in the Chinese [letter] Chan CW, et al. **Clin Orthop** 1986 Jan; (202):311–2

Spontaneous deep vein thrombosis in childhood and adolescence. Nguyen LT, et al. **J Pediatr Surg** 1986 Jul; 21(7):640–3

[Effect of geographic location on the incidence of postoperative deep venous thrombosis of the legs] Bossart WW, et al. **Fortschr Med** 1985 Oct 24;103(40):930–2 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Idiopathic deep vein thrombosis in an apparently healthy patient as a premonitory sign of occult cancer. Aderka D, et al. **Cancer** 1986 May 1;57(9):1846–9

The structure of the lymphomicrocirculatory channels of the skin, subcutaneous tissue and fasciae of the lower limb after thrombophlebitis (postthrombophlebitic syndrome). Satiukova GS, et al. **Folia Morphol (Warsz)** 1985; 44(1):28–32

[Histologic study of venous thrombosis induced in the rat] Doutremepuich C, et al. **Ann Pharm Fr** 1985;43(2):161–4 (Eng. Abstr.) **(Fre)**

[The vascular wall and fibrinolysis—pathologic aspects] Fuchs U, et al. **Folia Haematol (Leipz)** 1986;113(1–2):176–83 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Pathophysiologic characteristics of venous thrombosis. Kakkar VV. **Am J Surg** 1985 Oct 8;150(4A):1–6 (58 ref.)

Hemodynamic indicators of postthrombotic sequelae. Norris CS, et al. **Arch Surg** 1986 Jul;121(7):765–8

Measurements of retinal microcirculation in retinal vessel occlusion before and after treatment. Vilser W, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(2):179–83

Late hemodynamic sequelae of deep venous thrombosis. Raju S, et al. **J Vasc Surg** 1986 Jul;4(1):73–9

Transcapillary forces in subcutaneous tissue of lower limbs with deep venous thrombosis. Seem E, et al. **Scand J Clin Lab Invest** 1986 Sep;46(5):417–22

Changes in intramuscular pressure in the leg during surgery. A study of a possible mechanical factor for the development of deep vein thrombosis. Norgren L, et al. **Vasa** 1986;15(1):43–6

[Characteristics of parameters of venous circulation in diseases of veins of the lower limbs] Borisova LF, et al. **Khirurgiia (Mosk)** 1985 Jun;(6):65–8 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Prevention of infusion thrombophlebitis. Hessov I. **Acta Anaesthesiol Scand [Suppl]** 1985;82:33–7 (48 ref.)

Prevention of postoperative thromboembolisms in general surgery by the combination of heparin and dihydroergotamine. Sándor T, et al. **Acta Chir Hung** 1986; 27(2):107–14

Prevention of thrombosis after hip fracture surgery. Comparison of dextran 70 with and without dihydroergotamine. Fredin H, et al. **Acta Chir Scand** 1985; 151(8):681–4

The role of lumbar epidural anaesthesia as antithrombotic prophylaxis in total hip replacement. Modig J. **Acta Chir Scand** 1985;151(7):589–94

Post-operative thromboembolism in neurosurgery. A study on the prophylactic effect of calf muscle stimulation plus dextran compared to low-dose heparin. Boström S, et al. **Acta Neurochir (Wien)** 1986;80(3–4):83–9

Low-dose subcutaneous heparin in the prevention of deep-vein thrombosis and pulmonary emboli following acute stroke. McCarthy ST, et al. **Age Ageing** 1986 Mar; 15(2):84–8

Combined dihydroergotamine and heparin prophylaxis of postoperative deep vein thrombosis: proposed mechanism of action. Comerota AJ, et al. **Am J Surg** 1985 Oct 8; 150(4A):39–44 (42 ref.)

Anticoagulant therapy. Coon WW. **Am J Surg** 1985 Oct 8; 150(4A):45–9

United States trial of dihydroergotamine and heparin prophylaxis of deep vein thrombosis. DiSerio FJ, et al. **Am J Surg** 1985 Oct 8;150(4A):25–32

Possible mechanism of the synergistic effect of heparin and dihydroergotamine. Kakkar VV, et al. **Am J Surg** 1985 Oct 8;150(4A):33–8

Pneumatic compression devices for prophylaxis of deep venous thrombosis (DVT). Baker WH, et al. **Am Surg** 1986 Jul;52(7):371–3

The role of the laboratory in preventing and diagnosing arterial or veinal thrombotic accidents, and in monitoring their treatment. Bauer KA. **Ann Biol Clin (Paris)** 1985; 43(4):451–4

Current concepts of warfarin therapy. Peterson CE, et al. **Arch Intern Med** 1986 Mar;146(3):581–4 (40 ref.)

Totally implantable vascular access for long term chemotherapy [letter] Davidson TI, et al. **Br Med J [Clin Res]** 1986 Apr 12;292(6526):1016

The use of dihydroergotamine and heparin in the prophylaxis of deep venous thrombosis. Comerota AJ, et al. **Chest** 1986 May;89(5 Suppl):389S–395S

A meta-analysis of the studies of dihydroergotamine plus heparin in the prophylaxis of deep vein thrombosis. Gent M, et al. **Chest** 1986 May;89(5 Suppl):396S–400S

Prophylaxis of venous thromboembolism. An overview. Hull RD, et al. **Chest** 1986 May;89(5 Suppl):374S–383S

Effectiveness of defibrotide for prophylaxis of deep venous thrombosis in gynecological surgery: a double-blind, placebo-controlled clinical trial. Ciavarella N, et al. **Haemostasis** 1986;16 Suppl 1:39–41

Prevention of deep vein thrombosis in elderly medical in-patients by a low molecular weight heparin: a randomized double-blind trial. Dahan R, et al. **Haemostasis** 1986;16(2):159–64

Efficacy and safety of two regimens of low molecular weight heparin fragment (Fragmin) in preventing postoperative venous thrombolism. Kakkar VV, et al. **Haemostasis** 1986; 16 Suppl 2:19–24

Effectiveness of defibrotide for prophylaxis of deep venous thrombosis after general surgery: a double-blind, placebo-controlled clinical trial. Mozzi E, et al. **Haemostasis** 1986;16 Suppl 1:36–8

Enoxaparine low molecular weight heparin: its use in the prevention of deep venous thrombosis following total hip replacement. Planes A, et al. **Haemostasis** 1986;16(2):152–8

In-line filtration and infusion phlebitis. Adams SD, et al. **Heart Lung** 1986 Mar;15(2):134–40

Prevention of venous thrombosis and pulmonary embolism. NIH Consensus Development. **JAMA** 1986 Aug 8; 256(6):744–9

Prevention of venous thrombosis and pulmonary embolism [editorial] Baue AE. **JAMA** 1986 Aug 8;256(6):757

Prevention of postoperative deep vein thrombosis [letter] Bounameaux H, et al. **Lancet** 1986 Aug 23;2(8504):456

Rates of venous thrombosis after general surgery: combined results of randomised clinical trials. Colditz GA, et al. **Lancet** 1986 Jul 19;2(8499):143–6

Oral anticoagulants after calf-vein thrombosis [letter] Huisman MV, et al. **Lancet** 1985 Nov 2;2(8462):1011

Prevention of venous thrombosis and pulmonary embolism.

Nat Inst Health Consensus Dev Conf Consensus Statement 1986;6(2):8p.

Experience with external pneumatic calf compression in neurology and neurosurgery. Black PM, et al. **Neurosurgery** 1986 Apr;18(4):440–4

External pneumatic calf compression reduces deep venous thrombosis in patients with ruptured intracranial aneurysms. Black PM, et al. **Neurosurgery** 1986 Jan; 18(1):25–8

Venous thromboembolism. Lottenberg R. **Proc Annu Meet Med Sect Am Counc Life Insur** 1985;:53–6

Effectiveness of anticoagulants. Hirsh J. **Semin Thromb Hemost** 1986 Jan;12(1):21–37 (96 ref.)

Deep venous thrombosis in surgical patients: possible laboratory predictors. Blanchard SA, et al. **South Med J** 1985 Oct;78(10):1161–3

Prophylaxis against central vein thrombosis with low-dose warfarin. Bern MM, et al. **Surgery** 1986 Feb;99(2):216–21

Prevention of postoperative deep vein thrombosis by a combination of subcutaneous heparin with subcutaneous dihydroergotamine or oral sulphinpyrazone. Veth G, et al. **Thromb Haemost** 1985 Oct 30;54(3):570–3

Effects of heparin, its low molecular weight fractions and other glycosaminoglycans on thrombus growth in vivo. Boneu B, et al. **Thromb Res** 1985 Oct 1;40(1):81–9

Effect of calcium dobesilate and its interaction with aspirin on thrombus formation in vivo. Michal M, et al. **Thromb Res** 1985 Oct 15;40(2):215–26

Does thromboprophylaxis increase the risk for infectious complications after total hip replacement? Bergqvist D, et al. **Vasa** 1985;14(3):269–71

Prevention of deep venous thrombosis [clinical conference] Shockcor WT. **W Va Med J** 1986 Jun;82(6):173–8

[Prevention of postoperative venous thrombosis. A comparison between low-dose heparin and graduated compression stockings] Koopmann HD, et al. **Ugeskr Laeger** 1985 Jul 15;147(29):2296–8 (Eng. Abstr.) (Dan)

[The present status regarding the preventive treatment of deep venous thromboembolism] Nielsen HK, et al. **Ugeskr Laeger** 1985 Jul 15;147(29):2293–6 (30 ref.) (Eng. Abstr.) (Dan)

[Dihydroergotamine in connection with surgery] Wille-Jørgensen P. **Ugeskr Laeger** 1986 Feb 24; 148(9):499–501 (Eng. Abstr.) (Dan)

[Dosage and possibilities for controlling thrombosis prevention with low-dose heparin] Busch M, et al. **Anaesthesist** 1986 Apr;35(4):254–5 (Eng. Abstr.) (Ger)

[Angiospasm and dihydroergotamine—dangers in thromboprevention] Schwering H, et al. **Zentralbl Chir** 1985;110(18):1115–21 (Eng. Abstr.) (Ger)

[Prevention of deep venous thrombosis in hip surgery] Vara-Thorbeck R, et al. **Zentralbl Chir** 1986;111(11):633–9 (Eng. Abstr.) (Ger)

[Postoperative deep venous thrombosis prevention with intermittent sequential compression] Watanabe H. **Nippon Geka Gakkai Zasshi** 1985 Dec;86(12):1654–63 (Eng. Abstr.) (Jpn)

[Clinical value of routine prevention of postoperative thrombotic complications] Basta A, et al. **Ginekol Pol** 1985 May-Jun;56(5-6):305–9 (Eng. Abstr.) (Pol)

[A method for the prevention of thromboembolic complications after appendectomy] Baltaitis IuV, et al. **Klin Khir** 1986;(4):68–9 (Rus)

[Nonspecific prevention of postoperative thrombosis of the deep veins of the lower extremities in oncologic patients] Tiutrin II, et al. **Klin Khir** 1986;(5):39–41 (Eng. Abstr.) (Rus)

RADIOGRAPHY

Computed tomography in deep venous thrombosis with limb oedema. Seem E, et al. **Acta Radiol [Diagn] (Stockh)** 1985 Nov-Dec;26(6):727–30

Effect of anatomic variations on deep venous thrombosis of the lower extremity. Liu GC, et al. **AJR** 1986 Apr; 146(4):845–8

Deep vein thrombosis (DVT): advantages of semiorthostatic phlebography and results of regional and systemic fibrinolytic therapy. Bassi F, et al. **Ann Radiol (Paris)** 1986; 29(2):226–9

Utility of foot venography as part of the routine lower-extremity venogram: a prospective study. Glanz S, et al. **Cardiovasc Intervent Radiol** 1986;9(1):15–6

Upper-extremity venography using digital subtraction angiography. Kinnison ML, et al. **Cardiovasc Intervent Radiol** 1986;9(2):106–8

Late stage posthrombotic legs. Sun JM, et al. **Chin Med J [Engl]** 1984 Oct;97(10):725–32

Septic thrombosis of the inferior caval vein detected with the aid of computed tomography. Bureš J, et al. **Cor Vasa** 1985;27(4):319–22

The normal leg venogram: significance in suspected vein thrombosis. Kelemouridis V, et al. **Int Angiol** 1985 Jul-Sep; 4(3):369–71

Suppurative puerperal ovarian vein thrombophlebitis. Mahan JM, et al. **J Ky Med Assoc** 1985 Nov;83(11):604–8

The diagnosis of deep venous thrombosis: a study of 54 cases. Phornphibulaya P, et al. **J Med Assoc Thai** 1985 Sep; 68(9):445–8

Panvenography and pulmonary angiography in the diagnosis of deep venous thrombosis and pulmonary thromboembolism. Kramer FL, et al. **Radiol Clin North Am** 1986 Sep;24(3):397–418 (62 ref.)

Re: Calf hematoma mimicking thrombophlebitis [letter] Gordon DH, et al. **Radiology** 1985 Dec;157(3):839

[Deep venous thrombosis of the upper extremity. A radiographic evaluation] Andersen J, et al. **Ugeskr Laeger** 1986 Feb 17;148(8):437–8 (Eng. Abstr.) (Dan)

[Ormond's disease and chronic venous obstruction] Kratz HW, et al. **Radiologe** 1985 Aug;25(8):387–91 (Eng. Abstr.) (Ger)

[Phlebographic aspects of deep venous thrombosis of the legs. Analysis of 92 observed cases] Saccheri S, et al. **Minerva Cardioangiol** 1986 Mar;34(3):147–52 (Eng. Abstr.) (Ita)

RADIONUCLIDE IMAGING

Detection of thrombophlebitis in the lower extremities: a regional comparison of 123I fibrinogen scintigraphy and contrast venography. DeNardo SJ, et al. **AJR** 1985 Nov; 145(5):1045–52

Clinical value of blood pool radionuclide venography. Zorba J, et al. **AJR** 1986 May;146(5):1051–5

Radionuclide venography: imaging monitor in deep-vein thrombosis of the pelvis and lower extremities. Sy WM, et al. **Br J Radiol** 1986 Apr;59(700):325–8

The use of radioisotopes in the management of venous thromboembolism. Secker-Walker RH. **Chest** 1986 May; 89(5 Suppl):413S–416S

Indium-111 platelet scintigraphy for the diagnosis of acute venous thrombosis. Ezekowitz MD, et al. **Circulation** 1986 Apr;73(4):668–74

Correlation of bioscintigraphy, contrast venography, and iodine-125 fibrinogen uptake test. DeNardo GL, et al. **Clin Nucl Med** 1985 Dec;10(12):880–3

Initial detection of lower extremity septic deep venous thrombophlebitis by indium-111 WBC imaging in a patient with bacteremia. Fancher M, et al. **Clin Nucl Med** 1986 Mar;11(3):206–8

Thrombophlebitis. A potential cause for diffuse lower extremity uptake on bone imaging. Milton WJ, et al. **Clin Nucl Med** 1986 Jan;11(1):26–7

Assessment of thromboresistance of intravenous cannulae by 125I-fibrinogen scanning. Lewis J, et al. **J Biomed Mater Res** 1985 Feb;19(2):99–113

Sensitivity of 125J-fibrinogen uptake test for diagnosis of established venous thrombosis in heparinized patients. Minar E, et al. **Klin Wochenschr** 1986 Mar 3;64(5):227–30

Criteria for detection of deep venous thrombosis by 99Tcm-plasmin test. Edenbrandt CM, et al. **Nucl Med Commun** 1986 Jun;7(6):455–62

Thromboscintigraphy with 99Tcm-plasmin: a new diagnostic method in deep venous thrombosis of the legs. Overgaard K. **Nucl Med Commun** 1984 Feb;5(2):101–7

In vitro interaction between venous blood clots and radiopharmaceuticals. Kempi V, et al. **Nuklearmedizin** 1985 Aug;24(4):173–9

[Diagnosis of deep venous thrombosis of the leg using scintigraphy with 99m technetium-labeled erythrocytes] Derbekyan V, et al. **Union Med Can** 1986 Apr;115(4):224–6, 228 (Eng. Abstr.) (Fre)

RADIOTHERAPY

[Laser therapy of diseases of veins of the lower limbs] Dudenko GI, et al. **Klin Khir** 1985;(7):48–50 (Eng. Abstr.) (Rus)

REHABILITATION

[Medical and socio-vocational rehabilitation of patients with post-thrombophlebitis disease after surgical treatment] Drevina AI, et al. **Vestn Khir** 1986 Mar;136(3):19–22 (Eng. Abstr.) (Rus)

SURGERY

Current status of surgical therapy for deep vein thrombosis. Greenfield LJ, et al. **Am J Surg** 1985 Oct 8;150(4A):64–70 (48 ref.)

Intraoperative streptokinase. An adjunct to mechanical thrombectomy in the management of acute ischemia. Cohen LH, et al. **Arch Surg** 1986 Jun;121(6):708–15

Overview of potential benefits of direct venous reconstruction. Bergan JJ. **Int Angiol** 1985 Oct-Dec; 4(4):463–6

The temporary arteriovenous fistula in venous reconstructive surgery. Eklof B, et al. **Int Angiol** 1985 Oct-Dec; 4(4):455–62

Development of a prosthetic venous valve. Hill R, et al. **J Biomed Mater Res** 1985 Sep;19(7):827–32

Femoral and iliofemoral thrombectomy to prevent chronic venous insufficiency. Follow-up of 18 patients. de Araujo Bessa JC. **J Cardiovasc Surg (Torino)** 1986 Jul-Aug; 27(4):443–6

Management of symptomatic deep venous thrombosis and pulmonary embolism on a neurosurgical service. Swann KW, et al. **J Neurosurg** 1986 Apr;64(4):563–7

Retroperitoneal unilateral ileofemoral thromboendarterectomy. Brown LL, et al. **Surg Clin North Am** 1986 Apr;66(2):377–83

Surgical management of subclavian and axillary vein thrombosis in patients with a functioning arteriovenous fistula. Currier CB Jr, et al. **Surgery** 1986 Jul;100(1):25–8

[The pros and cons of venous thrombectomy] Suchý T. **Rozhl Chir** 1986 Apr;65(4):247–52 (Eng. Abstr.) (Cse)

[Indications for the Greenfield filter at the distal side of renal veins. 15 cases] Combe J, et al. **J Chir (Paris)** 1986 May; 123(5):305–17 (Eng. Abstr.) (Fre)

[Thrombectomy versus conservative therapy of thrombosis of the deep veins of the pelvis and legs. Late results 10 years later] Fasolini FG, et al. **Helv Chir Acta** 1985 Dec; 52(5):735–8 (Eng. Abstr.) (Ger)

[Surgery of leg and pelvic venous thrombosis] Friess P, et al. **Zentralbl Chir** 1985;110(18):1129–37 (Eng. Abstr.) (Ger)

[Management of varico-phlebitis by removal of the blood clot] Bihari I. **Orv Hetil** 1986 Jan 12;127(2):91–2 (Eng. Abstr.) (Hun)

[Surgical treatment of acute thrombophlebitis of superficial veins of the lower limbs] Nagovitsin ES, et al. **Khirurgiia (Mosk)** 1985 Jun;(6):62–5 (Eng. Abstr.) (Rus)

[Surgical tactics in acute thrombophlebitis of the varicose dilated great saphenous vein] Zhenetl' ZD, et al. **Vestn Khir** 1986 Mar;136(3):16–9 (Eng. Abstr.) (Rus)

THERAPY

[Deep venous thrombosis of inferior limbs] **Phlebologie** 1986 Apr-Jun;39(2):355–412 (Fre)

[Emergency venous thrombectomy with in situ perfusion of urokinase. Preliminary note] Azzena GP, et al. **Minerva Chir** 1986 Feb 28;41(3-4):161–3 (Eng. Abstr.) (Ita)

[Acute superficial thrombophlebitis of the lower limbs and its treatment in obstetrical practice] Murav'ev MF, et al. **Akush Ginekol (Mosk)** 1985 Oct;(10):17–9 (Eng. Abstr.) (Rus)

[Treatment of deep venous thrombosis] Nicolaides AN, et al. **Angiologia** 1986 Mar-Apr;38(2):72–7 (Eng. Abstr.) (Spa)

URINE

Fibrinopeptide A in urine from patients with venous thromboembolism, disseminated intravascular coagulation and rheumatoid arthritis—evidence for dephosphorylation and carboxyterminal degradation of the peptide by the kidney. Leeksma OC, et al. **Thromb Haemost** 1985 Dec 17;54(4):792–8

THROMBOPLASTIN

Rabbit (to replace human) brain material in anticoagulant control [letter] **Lancet** 1986 Jun 7;1(8493):1334–5

Rabbit (to replace human) brain material in anticoagulant control [letter] Allington MJ, et al. **Lancet** 1986 May 10; 1(8489):1088

ANALYSIS

Mononuclear phagocyte thromboplastin, bacterial counts and endotoxin levels in experimental endogenous gram-negative sepsis. Almdahl SM, et al. **Acta Chir Scand** 1986 May;152:351–5

The distribution of procoagulant and plasminogen activator activities among density fractions of normal rabbit alveolar macrophages. Sitrin RG, et al. **Am Rev Respir Dis** 1986 Mar;133(3):468–72

Quantitative assessment of procoagulant activity in isolated rat glomeruli. de Prost D, et al. **Kidney Int** 1985 Sep; 28(3):566–8

Radioimmunoassay of human tissue factor. Andoh K, et al. **Thromb Res** 1986 Aug 1;43(3):275–86

An intracellular pool of the procoagulant thromboplastin in human monocytes. Leoni P, et al. **Thromb Res** 1985 Oct 15;40(2):199–205

Thromboplastin content in the vessel walls of different arteries and organs of rabbits. Osterud B, et al. **Thromb Res** 1986 May 1;42(3):323–9

ANTAGONISTS & INHIBITORS

[A case of Budd-Chiari syndrome with lupus anticoagulant] Ueno T, et al. **Rinsho Ketsueki** 1985 Aug;26(8):1323–7 (Eng. Abstr.) (Jpn)

BIOSYNTHESIS

In vitro generation of procoagulant activity by leukemic promyelocytes in response to cytotoxic drugs. Fibach E, et al. **Am J Hematol** 1985 Nov;20(3):257–65

Interleukin–1 activation of vascular endothelium. Effects on procoagulant activity and leukocyte adhesion. Bevilacqua MP, et al. **Am J Pathol** 1985 Dec;121(3):394–403

Autologous induction of the human T–cell–dependent monocyte procoagulant activity: a possible link between immunoregulatory phenomena and blood coagulation. Ferreira OC Jr, et al. **Cell Immunol** 1986 Aug;101(1):259–65

Synthesis of PGE2, collagenase and tissue factor by fibroblast substrains: substrains are differentially activated for different metabolic products. Korn JH, et al. **Coll Relat Res** 1985 Nov;5(5):437–47

Induction of monocyte–macrophage procoagulant activity by transformed cell lines. Rambaldi A, et al. **J Immunol** 1986 May 15;136(10):3848–55

Antibody and immune complexes induce tissue factor production by human endothelial cells. Tannenbaum SH, et al. **J Immunol** 1986 Sep 1;137(5):1532–7

Interleukin 1 induces endothelial cell procoagulant while suppressing cell–surface anticoagulant activity. Nawroth PP, et al. **Proc Natl Acad Sci USA** 1986 May;83(10):3460–4

Mouse trophoblast cells are constitutive producers of thromboplastin (factor III) in vitro. Dalaker K, et al. **Thromb Haemost** 1985 Aug 30;54(2):438–41

Thrombin induces thromboplastin synthesis in cultured vascular endothelial cells. Galdal KS, et al. **Thromb Haemost** 1985 Aug 30;54(2):373–6

BLOOD

Postoperative elevation of human peripheral blood monocyte tissue factor coagulant activity. Blakowski SA, et al. **J Lab Clin Med** 1986 Aug;108(2):117–20

IMMUNOLOGY

Tissue factor induction in human monocytes. Two distinct mechanisms displayed by different alloantigen–responsive T cell clones. Gregory SA, et al. **J Clin Invest** 1985 Dec; 76(6):2440–5

ISOLATION & PURIFICATION

Affinity purification of human tissue factor: interaction of factor VII and tissue factor in detergent micelles. Guha A, et al. **Proc Natl Acad Sci USA** 1986 Jan;83(2):299–302

Coextraction of thrombomodulin and tissue factor from human placenta: effects of concanavalin A and phospholipid environment on activity. Freyssinet JM, et al. **Thromb Haemost** 1986 Feb 28;55(1):112–8

Development of a photometric assay for activated partial thromboplastin time and its application to the Cobas Bio centrifugal analyzer. Becker U, et al. **Thromb Res** 1985 Dec 15;40(6):721–30

Application of factor VII–Sepharose affinity chromatography in the purification of human tissue factor apoprotein. Bom VJ, et al. **Thromb Res** 1986 Jun 1; 42(5):635–43

Thrombomodulin activity in commercial thromboplastin preparations. van Wijngaarden A, et al. **Thromb Res** 1986 Aug 1;43(3):265–74

METABOLISM

Hydroxyeicosatetraenoic acids and other unsaturated fatty acids inhibit endotoxin–induced thromboplastin activity in human monocytes. Crutchley DJ. **Biochem Biophys Res Commun** 1985 Oct 15;132(1):67–73

Factor VII binding to tissue factor in reconstituted phospholipid vesicles: induction of cooperativity by phosphatidylserine. Bach R, et al. **Biochemistry** 1986 Jul 15;25(14):4007–20

An ordered addition, essential activation model of the tissue factor pathway of coagulation: evidence for a conformational cage. Nemerson Y, et al. **Biochemistry** 1986 Jul 15;25(14):4020–33

Platelet prothrombin converting activity in hereditary disorders of platelet function. Bevers EM, et al. **Br J Haematol** 1986 Jun;63(2):335–45

The immune response to mouse hepatitis virus: expression of monocyte procoagulant activity and plasminogen activator during infection in vivo. Dindzans VJ, et al. **J Immunol** 1985 Dec;135(6):4189–97

Production and characterization of a monoclonal antibody (A1–3) that binds selectively to activated monocytes and inhibits monocyte procoagulant activity. Ewan VA, et al. **J Immunol** 1986 Apr 1;136(7):2408–15

An innate host response to the neoplastic cell: syngeneic rat tumor cells can elicit a rapid de novo lymphoid procoagulant response. Lando PA, et al. **J Immunol** 1985 Nov;135(5):3587–95

Tissue factor activity in HeLa cells measured with a continuous chromogenic assay and ELISA reader. Carson SD, et al. **Thromb Res** 1986 Jan 15;41(2):185–95

[Blood coagulation mechanism from the viewpoint of molecular biochemistry: Initiation of blood coagulation] Saito H. **Rinsho Byori** 1985 Sep;33(9):960–5 (Jpn)

[Thromboplastic activity and plasminogen activator activity in cholesteatoma and granulation tissue of the middle ear] Worowski K, et al. **Pol Akad Med Bialymstoku** 1983; 28:105–8 (Eng. Abstr.) (Pol)

PHARMACODYNAMICS

Tissue thromboplastin induced reversible DIC and heparin–enhanced inhibitors in dogs. Marbet GA, et al. **Thromb Haemost** 1986 Feb 28;55(1):78–85 (62 ref.)

[Hemostatic system function as affected by thromboplastic agents from higher plants] Kudriashov BA, et al. **Biol Nauki** 1986;(4):58–61 (Eng. Abstr.) (Rus)

[Formation of thrombin and its inactivation by antithrombin III following repeated intravenous injections of tissue thromboplastin in animals] Pastorova VE. **Biull Eksp Biol Med** 1986 May;101(5):527–9 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Activation of human factor VII in the initiation of tissue factor–dependent coagulation. Rao LV, et al. **Blood** 1986 Sep;68(3):685–91

Inhibition of tissue thromboplastin–mediated blood coagulation. Hubbard AR, et al. **Thromb Res** 1986 May 15;42(4):489–98

Tissue factor accelerates the activation of coagulation factor VII: the role of a bifunctional coagulation cofactor. Nemerson Y, et al. **Thromb Res** 1985 Nov 1;40(3):351–8

STANDARDS

Artificially depleted plasma for manufacturers international calibration of thromboplastin. Denson KW. **Clin Lab Haematol** 1986;8(1):55–60

Standardization of the prothrombin time in oral anticoagulant control. van den Besselaar AM. **Haemostasis** 1985; 15(4):271–7

Questions and answers on prothrombin time standardisation in oral anticoagulant control. Loeliger EA, et al. **Thromb Haemost** 1985 Aug 30;54(2):515–7

Calibration of BCT/441, the ICSH reference preparation for thromboplastin. Thomson JM, et al. **Thromb Haemost** 1986 Jun 30;55(3):379–82

URINE

[Studies on urinary procoagulant assay method with chromogenic substrates (S–2222)] Fukuda C, et al. **Rinsho Byori** 1986 Feb;34(2):185–9 (Jpn)

THROMBOPLASTINOGEN see **FACTOR VIII**

THROMBOPOIETIN see under **GLYCOPROTEINS**

THROMBOSIS

Staghorn blood clot voided spontaneously from the urinary tract. Ronchi F, et al. **Br J Urol** 1984 Jun;56(3):337

Joint meeting of the study groups on cellular proliferation and differentiation and on hemostasis and thrombosis. Brussels, 26–27 October 1984. **Nouv Rev Fr Hematol** 1985; 27(5):333–46 (Eng, Fre)

Abstracts. Xth International Congress on Thrombosis and Haemostasis. July 15–19, 1985. **Thromb Haemost** 1985 Jul 14;54(1):1–372

Abstracts. Joint meeting of the International Committee on Thrombosis and Haemostasis, 32nd annual meeting, and the Mediterranean League against Thromboembolic Diseases, 9th congress. Jerusalem, Israel, June 1–6, 1986. **Thromb Res [Suppl]** 1986;6:1–191

BLOOD

The biological role of thromboxane A2 in the process of hemostasis and thrombosis; pharmacology and perspectives of therapeutical use of thromboxane synthetase inhibitors and receptor PGH2/TXA2 antagonists. Radomski M. **Acta Physiol Pol** 1985 May–Jun;36(3):153–64 (78 ref.)

Hyperammonemia complicating mesenteric vein thrombosis. Blei A, et al. **Am J Med** 1986 Feb;80(2):299–300

Factors controlling thrombus formation on arterial lesions. Baumgartner HR, et al. **Ann NY Acad Sci** 1985;454:162–77

Regulation of blood coagulation and thrombosis. Brižt E, et al. **Haemostasis** 1985;15(4):228–32

Dietary lipids, platelet function and arterial thrombosis in animals and man. Hornstra G. **Proc Nutr Soc** 1985 Sep; 44(3):371–8

Clearance characteristics of des–AA fibrin and des–AABB fibrin, and thrombus–related uptake of des–AABB fibrin as compared to fibrinogen. Nilsen DW, et al. **Scand J Clin Lab Invest [Suppl]** 1985;178:115–9

Changes in plasma antithrombin (heparin cofactor activity) during intravenous heparin therapy: observations in 198 patients with deep venous thrombosis. Holm HA, et al. **Scand J Haematol** 1985 Nov;35(5):564–9

Detection of prethrombotic states in patients with atherosclerotic lesions. Breddin K. **Semin Thromb Hemost** 1986 Apr;12(2):110–23 (237 ref.)

Inhibitors of coagulation, atherosclerosis, and arterial thrombosis. Conard J, et al. **Semin Thromb Hemost** 1986 Apr;12(2):87–90

Platelet survival and function in rats with enhanced thrombotic tendency. Delaini F, et al. **Thromb Haemost** 1985 Dec 17;54(4):739–43

Severe protein C deficiency in congenital thrombotic disease—description of an immunoenzymological assay for protein C determination. Soria J, et al. **Thromb Haemost** 1985 Jun 24;53(3):293–6

[Antithrombin III deficiency induced by heparin and constitutional protein C deficiency. Apropos of a case] Vergoz D, et al. **Phlebologie** 1985 Jul–Sep;38(3):425–7 (Eng. Abstr.) (Fre)

[Disorders in the release of plasminogen activators] Brommer EJ. **Folia Haematol (Leipz)** 1986;113(1–2):198–207 (Eng. Abstr.) (Ger)

[Fibrinolysis defects in patients with recurrent thromboses] Nagy I, et al. **Folia Haematol (Leipz)** 1986;113(1–2):208–11 (Eng. Abstr.) (Ger)

[Electrically activated blood] Sedlarik KM, et al. **Z Exp Chir Transplant Kunstliche Organe** 1985;18(5):267–72 (Eng. Abstr.) (Ger)

[Physiopathology of thrombosis: plasma fatty acids] Siba T, et al. **Nippon Rinsho** 1986 May;44(5 Spec No 542):1058–62 (19 ref.) (Jpn)

[Changes in the surface and shape of rat erythrocytes in experimental thrombosis] Korobko IuA. **Dokl Akad Nauk SSSR** 1986;288(5):1262–6 (Rus)

CHEMICALLY INDUCED

Side and site of deep vein thrombosis in women using oral contraceptives. Kierkegaard A. **Acta Obstet Gynecol Scand** 1985;64(5):399–402

Carrageenin–induced thrombosis in rats and mice: a model for testing antithrombotic substances? Bekemeier H, et al. **Agents Actions** 1985 Jul;16(5):446–51

Thrombosis due to permanent pacemaker and oral contraceptives. Halub MF, et al. **Am J Obstet Gynecol** 1985 Nov 1;153(5):571–2

Heparin–associated acute adrenal insufficiency [letter] Arthur CK, et al. **Aust NZ J Med** 1985 Aug;15(4):454–5

Central venous thrombosis due to bolus injections of antileukaemic chemotherapy [letter] Baglin TP, et al. **Br J Haematol** 1986 Jul;63(3):606–7

White clot syndrome: a rare complication of heparin therapy. Tanner JR, et al. **Can J Surg** 1986 Mar;29(2):122–4

A lethal complication of peripheral vein vasopressin infusion. Brearley S, et al. **Hepatogastroenterology** 1985 Oct; 32(5):224–5

The white clot syndrome or heparin associated thrombocytopenia and thrombosis (WCS or HATT) (26 cases). Benhamou AC, et al. **Int Angiol** 1985 Jul–Sep; 4(3):303–10

Heliotropium lasiocarpum Fisch and Mey identified as cause of veno–occlusive disease due to a herbal tea [letter] Culvenor CC, et al. **Lancet** 1986 Apr 26;1(8487):978

Vasoactive agents and production of thrombosis during intravascular coagulation. 2. alpha–Adrenergic stimulation: effects and mechanisms. Latour JG, et al. **Pathology** 1985 Jul;17(3):429–36

The effect of 1–O–alkyl–2–acetyl–sn–glycero–3–phosphocholine (paf–acether) on the arterial wall. Bourgain RH, et al. **Prostaglandins** 1985 Aug;30(2):185–97

Treatment of heparin–associated thrombocytopenia and thrombosis with low molecular weight heparin (CY 216). Leroy J, et al. **Semin Thromb Hemost** 1985 Jul;11(3):326–9

Identification and treatment of cyclosporine–associated allograft thrombosis. Schlanger RE, et al. **Surgery** 1986 Aug;100(2):329–33

Thrombotic complications during L–asparaginase related to protein C deficiency? [letter] Vellenga E, et al. **Thromb Haemost** 1985 Jun 24;53(3):443

Possible risk of thrombosis in human subjects administered pancreatic elastase [letter] Kornecki E, et al. **Thromb Res** 1986 Sep 1;43(5):591–2

[White thrombus syndrome. Apropos of 4 new cases] Ribal JP, et al. **J Chir (Paris)** 1985 Jun–Jul;122(6–7):375–7 (Eng. Abstr.) (Fre)

[The white clot syndrome is not always associated with thrombopenia (letter)] Taieb W, et al. **J Chir (Paris)** 1986 Mar;123(3):209 (Fre)

[Thrombopenia–thrombosis induced by heparin] Cornu P. **Phlebologie** 1985 Jul–Sep;38(3):437–8 (Fre)

[Multiple arterial and venous thromboses associated with thrombopenia. Role of pentosan polysulfate and heparins (letter)] Papazian L, et al. **Presse Med** 1986 Jun 28; 15(26):1246–7 (Fre)

[Arterial thrombosis in a patient treated with tamoxifen. Remission despite continuing treatment (letter)] Priollet P, et al. **Presse Med** 1986 Jun 28;15(26):1243 (Fre)

[Monitoring therapy with L–asparaginase. Model of drug–induced antithrombin III deficiency] Ranft K, et al. **Fortschr Med** 1985 Nov 21;103(43):999–1003 (Eng. Abstr.) (Ger)

[Effect of hormonal contraceptives on the coagulation system with special reference to its inhibitors] Misz M, et al. **Orv Hetil** 1985 Oct 27;126(43):2635–40 (Eng. Abstr.) (Hun)

[Left ventricular thrombosis in a case of daunomycin cardiomyopathy] De Santis F, et al. **Cardiologia** 1985 Feb; 30(2):139–41 (Eng. Abstr.) (Ita)

[Contraceptive agents and antithrombin III. New causes of thrombosis (letter)] Abildgaard U, et al. **Tidsskr Nor Laegeforen** 1986 Feb 10;106(4):346–7 (Nor)

[Thrombosis and thrombopenias induced by heparin] Grau E, et al. **Med Clin (Barc)** 1985 Nov 30;85(18):753–5 (Spa)

CLASSIFICATION

Classification of left ventricular thrombi by their history of systemic embolization using pattern recognition of two-dimensional echocardiograms. Lloret RL, et al. **Am Heart J** 1985 Oct;110(4):761-5

COMPLICATIONS

Splenic vein obstruction: a cause of upper gastrointestinal bleeding. Madsen MS. **Acta Chir Scand** 1986 May;152:393-5

Platelet function and thrombus in diabetes. Viinikka L. **Acta Endocrinol [Suppl] (Copenh)** 1985;272:31-4

A toxico-allergic syndrome, a thrombosing vasculopathy and a severe ischemia of the inferior limb in a child with ascariasis [letter] Fagarasanu D, et al. **Acta Gastroenterol Belg** 1985 May-Jun;48(3):311

Congenital heterozygous plasminogen deficiency associated with a severe thrombotic tendency. Girolami A, et al. **Acta Haematol (Basel)** 1986;75(1):54-7

Paradoxical embolism: clinical presentation, diagnostic strategies, and therapeutic options. Loscalzo J. **Am Heart J** 1986 Jul;112(1):141-5

An unusual complication of chronic pancreatitis: a recanalized portal tree communicating with a pancreatic pseudocyst. Pedrazzoli S, et al. **Am J Gastroenterol** 1986 Aug;81(8):698-701

The incidence of thrombotic and hemorrhagic disorders in association with extreme thrombocytosis: an analysis of 129 cases. Buss DH, et al. **Am J Hematol** 1985 Dec;20(4):365-72

Fetomaternal hemorrhage associated with umbilical vein thrombosis. Case report. Hoag RW. **Am J Obstet Gynecol** 1986 Jun;154(6):1271-4

Diffuse intravascular coagulation complicating thrombosis of a popliteal aneurysm: a case report. Mahler C, et al. **Angiology** 1986 May;37(5):378-81

Hemiazygous vein thrombosis as a cause of unexplained left-sited pleural effusion. A new syndrome? Moulopoulos SD, et al. **Angiology** 1986 May;37(5):352-7

Chronic iliac vein obstruction as a cause of venous claudication. A plethyamographic and isotope phlebographic study. Perhoniemi V. **Ann Clin Res** 1986; 18(3):167-70

Intracardiac thrombi and systemic embolization. Meltzer RS, et al. **Ann Intern Med** 1986 May;104(5):689-98 (96 ref.)

Thrombosis and atherosclerosis--some unresolved problems. Haust MD. **Ann NY Acad Sci** 1985;454:154-61 (36 ref.)

Deep vein thrombosis in patients with superficial thrombophlebitis of the leg. Bergqvist D, et al. **Br Med J [Clin Res]** 1986 Mar 8;292(6521):658-9

Prostacyclin deficiency in a young woman with recurrent thrombosis. Lanham JG, et al. **Br Med J [Clin Res]** 1986 Feb 15;292(6518):435-6

Association of subclavian-axillary vein thrombosis with brachial neuritis. Zahn CA, et al. **Can Med Assoc J** 1986 Jul 15;135(2):132-3

CT demonstration of calcified post-thrombotic inferior vena cava. Feldberg MA, et al. **Diagn Imag Clin Med** 1986; 55(3):164-7

Cirrhosis and portal vein thrombosis [letter] Monarca A, et al. **Gastroenterology** 1986 Feb;90(2):509

Superior vena cava syndrome associated with gynecologic malignancy. Puleo JG, et al. **Gynecol Oncol** 1986 Jan; 23(1):59-64

Effects of defibrotide in acute renal failure due to thrombotic microangiopathy. Vangelista A, et al. **Haemostasis** 1986;16 Suppl 1:51-4

"Fibrinothrombotic glomerulopathy" in patients with placental site trophoblastic tumor and nephrotic proteinuria [letter] Fox AL. **Hum Pathol** 1985 Nov;16(11):1179

Lupus glomerulonephritis with thrombotic microangiopathy. Magil AB, et al. **Hum Pathol** 1986 Feb;17(2):192-4

Recurrent cavernous sinus thrombosis with bilateral orbital cellulitis (a case report). Pillai P, et al. **Indian J Ophthalmol** 1985 Mar-Apr;33(2):125-7

Simultaneous renal vein thrombosis and bilateral adrenal hemorrhage: MR demonstration. Koch KJ, et al. **J Comput Assist Tomogr** 1986 Jul-Aug;10(4):681-3

Sudden paralysis in pregnancy due to spinal cord vascular accidents. Collins JH, et al. **J La State Med Soc** 1986 Jan; 138(1):44-8

Radionuclide venography of the lower limbs in pulmonary embolism: the role of long saphenous vein thrombosis. Di Ricco G, et al. **J Nucl Med Allied Sci** 1986 Jan-Mar; 30(1):15-8

The anticardiolipin syndrome. Hughes GR, et al. **J Rheumatol** 1986 Jun;13(3):486-9

Popliteal artery injury associated with tibial fracture in a five year old. Cofer JB, et al. **J Tenn Med Assoc** 1986 Jul; 79(7):430-2

Hypercoagulability, renal vein thrombosis, and other thrombotic complications of nephrotic syndrome. Llach F. **Kidney Int** 1985 Sep;28(3):429-39 (140 ref.)

Venous thromboembolism to the heart. A case report and review of treatment. Hart GK, et al. **Med J Aust** 1986 Apr 28;144(9):484-7

Recurrent ascites due to central venous thrombosis after peritoneojugular (LeVeen) shunt. Smadja C, et al. **Surgery** 1986 Sep;100(3):535-41

Cerebral cortical and mesenteric venous thrombosis in infancy: case report. Wiedeman JE, et al. **Tex Med** 1986 Jan;82(1):52-4

Fibrinogen Milano II: a congenital dysfibrinogenaemia associated with juvenile arterial and venous thrombosis. Haverkate F, et al. **Thromb Haemost** 1986 Feb 28; 55(1):131-5

Thrombosis and recanalization of the portal vein in liver transplantation. A case report. Helling TS. **Transplantation** 1985 Oct;40(4):446-8

Histotopographic evidence that amyloid deposits in sclerocalcific heart valves and other chronic lesions of the cardiovascular system are related to old thrombotic material. Goffin YA, et al. **Virchows Arch [A]** 1986; 409(1):61-77

[Digital microembolism disclosing intracardiac thrombosis] Chanudet X, et al. **Ann Cardiol Angeiol (Paris)** 1986 Feb; 35(2):107-10 (Eng. Abstr.) (Fre)

[Cerebral lesions in a case of Degos' disease] Vital A, et al. **Ann Pathol** 1985;5(4-5):327-9 (Eng. Abstr.) (Fre)

[Photocoagulation of macular edema following retinal venous thrombosis] Malbrel C. **Bull Soc Ophtalmol Fr** 1985 Feb; 85(2):211-3 (Eng. Abstr.) (Fre)

[Biochemistry of tumor cell thrombosis: thrombin as growth hormone] Bruhn HD. **Behring Inst Mitt** 1986 Feb;(79):31-6 (Eng. Abstr.) (Ger)

[Fabry's disease associated with basilar artery thrombosis] Brittig F, et al. **Morphol Igazsagugyi Orv Sz** 1986 Jan; 26(1):15-24 (Eng. Abstr.) (Hun)

[A case of pulmonary embolism following deep venous thrombosis, manifesting as abdominal pain] Cappelluti G. **Minerva Chir** 1986 May 15;41(9):797-8 (Eng. Abstr.) (Ita)

[Thrombophlebitis of the cavernous sinus and inappropriate ADH secretion syndrome] Domenici R, et al. **Pediatr Med Chir** 1985 Nov-Dec;7(6):841-2 (Eng. Abstr.) (Ita)

[Acute leukemia and thromboembolism: with special reference to a case of acute myelomonocytic leukemia with mural thrombi in the right atrium and ventricle, pulmonary thromboembolism and pulmonary infarction] Kamiya Y, et al. **Rinsho Ketsueki** 1986 Apr;27(4):546-52 (Eng. Abstr.) (Jpn)

[Hemorrhagic glaucoma in diseases of the posterior segment of the eye] Mondelski S, et al. **Klin Oczna** 1985 Dec; 87(12):498-9 (Eng. Abstr.) (Pol)

[Carpal tunnel syndrome caused by median artery thrombosis] Krajčinović J. **Med Pregl** 1985;38(5-6):257-8 (Eng. Abstr.) (Ser)

CONGENITAL

Congenital thrombotic disorders. Rodgers GM, et al. **Am J Hematol** 1986 Apr;21(4):419-30 (81 ref.)

Congenital thrombotic occlusion of the ascending aorta and the aortic arch. Trowitzsch E, et al. **Pediatr Cardiol** 1985; 6(3):165-9

DIAGNOSIS

Left ventricular thrombus and myocardial infarction. Gianrossi R, et al. **Acta Cardiol (Brux)** 1985;40(6):599-612

The outcome in arterial thrombosis misdiagnosed as arterial embolism. Jivegård L, et al. **Acta Chir Scand** 1986 Apr; 152:251-6

Noninvasive evaluation of neonatal aortic thrombosis secondary to umbilical artery catheterization. Fellmeth BD, et al. **AJR** 1986 Mar;146(3):619-20

Hepatic artery thrombosis after liver transplantation: radiologic evaluation. Segel MC, et al. **AJR** 1986 Jan; 146(1):137-41

Suppurative thrombophlebitis of the internal jugular vein. Report of a case and review of the literature. Sanders RV, et al. **Ala J Med Sci** 1986 Jan;23(1):92-5

Sudden appearance of a right atrial thrombus on two-dimensional echocardiogram: significance and therapeutic implications. Kinney EL, et al. **Am Heart J** 1985 Oct;110(4):879-81

Echocardiographic detection of a left atrial thrombus in an infant with complex congenital heart disease. Wolf WJ. **Am Heart J** 1986 Sep;112(3):624-6

Effect of early anticoagulation on the frequency of left ventricular thrombi after anterior wall acute myocardial infarction. Davis MJ, et al. **Am J Cardiol** 1986 Jun 1; 57(15):1244-7

Echocardiographic demonstration of pulmonary embolism as it evolves through the right heart chambers. Kumar A, et al. **Am J Med** 1985 Oct;79(4):538-40

Spontaneous neonatal renal vein thrombosis. Fielding GA, et al. **Aust NZ J Surg** 1986 Jun;56(6):485-8

New approaches for the detection of early activation products in thrombotic states. Pelzer H, et al. **Behring Inst Mitt** 1986 Feb;(79):80-6

Unusual echocardiographic appearance of intracardiac thrombi in a patient with endomyocardial fibrosis. Wiseman MN, et al. **Br Heart J** 1986 Aug;56(2):179-81

Magnetic resonance imaging of aneurysms and thrombi. Zeitler E, et al. **Cardiovasc Intervent Radiol** 1986; 8(5-6):321-8

Acute anterior myocardial infarction complicated by mural thrombus and peripheral thromboembolism despite anticoagulation. Hwang MH, et al. **Cathet Cardiovasc Diagn** 1985;11(4):417-22

Left atrial mass. Thrombus mimicking myxoma. Kmetzo JJ, et al. **Chest** 1985 Dec;88(6):906-7

Detection of spontaneous echocardiographic contrast within the left atrium by transesophageal echocardiography: spontaneous echocardiographic contrast. Erbel R, et al. **Clin Cardiol** 1986 Jun;9(6):245-52

Case report: ultrasonographic demonstration of portal vein thrombosis in the acute abdomen. Shaw PJ, et al. **Clin Radiol** 1986 Jan;37(1):101-2

The pre-thrombotic state. Davies JA. **Clin Sci** 1985 Dec; 69(6):641-6 (58 ref.)

Problems in acute mesenteric vascular occlusion. Pomper SR, et al. **Curr Surg** 1986 May-Jun;43(3):194-9

Spontaneous thrombolysis of a large caval thrombus after insertion of an inferior vena cava filter: diagnosis and follow-up by ultrasound. Puylaert JB, et al. **Diagn Imag Clin Med** 1986;55(3):121-5

The endoscopic diagnosis of mesenteric venous thrombosis [letter] Jabbari M, et al. **Gastrointest Endosc** 1985 Dec; 31(6):405-6

Demonstration of cavernomatous transformation of the portal vein by magnetic resonance imaging. Ros PR, et al. **Gastrointest Radiol** 1986;11(1):90-2

Ulnar artery thrombosis. Koman LA, et al. **Hand Clin** 1985 May;1(2):311-25

Free floating ball thrombus in left atrium: identification by two-dimensional echocardiography. Kaul UA, et al. **Indian Heart J** 1985 Nov-Dec;37(6):405-7

Transesophageal two-dimensional echocardiography for the detection of left atrial appendage thrombus. Aschenberg W, et al. **J Am Coll Cardiol** 1986 Jan;7(1):163-6

Intracardiac thrombus causing peritoneovenous shunt failure: detection by two-dimensional echocardiography. Ugolini V, et al. **J Am Coll Cardiol** 1986 May;7(5):1174-6

MR imaging of cardiac thrombi. Doems GC, et al. **J Comput Assist Tomogr** 1986 May-Jun;10(3):415-20

Radioimmunoimaging of experimental thrombi in dogs using technetium-99m-labeled monoclonal antibody fragments reactive with human platelets. Som P, et al. **J Nucl Med** 1986 Aug;27(8):1315-20

Neonatal aortic thrombosis: recent experience. Vailas GN, et al. **J Pediatr** 1986 Jul;109(1):101-8

Sonographic diagnosis of thrombosis of the superior mesenteric vein and small bowel infarction. Phillips G, et al. **J Ultrasound Med** 1985 Oct;4(10):565-6

The effect of predetermined thrombotic potential of the recipient on small-caliber graft performance. Kaplan S, et al. **J Vasc Surg** 1986 Feb;3(2):311-21

Pulmonary and intracardiac embolectomy based on echocardiographic findings. Busch U, et al. **JCU** 1985 Sep; 13(7):494-9

Ultrasonic demonstration of superior mesenteric and splenoportal venous thrombosis. Kidambi H, et al. **JCU** 1986 Mar-Apr;14(3):199-201

Internal jugular vein thrombosis. Cohen JP, et al. **Laryngoscope** 1985 Dec;95(12):1478-82

Distraction by technology: a ventricular mass in a patient with pheochromocytoma. Robie PW. **NC Med J** 1986 Feb; 47(2):65-7

Jugular venous thrombosis: MR imaging. Braun IF, et al. **Radiology** 1985 Nov;157(2):357-60

Survival in cerebro-rhino-orbital zygomycosis and cavernous sinus thrombosis with combined therapy. Smith JL, et al. **South Med J** 1986 Apr;79(4):501-4

Doppler ultrasound as a screen for hepatic artery thrombosis after liver transplantation. Segel MC, et al. **Transplantation** 1986 Apr;41(4):539-41

[Real-time ultrasonic diagnosis of metastatic tumor thrombus in the inferior vena cava] He J. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Feb;20(1):31-2 (Eng. Abstr.) (Chi)

[Diagnosis and treatment of thrombi within the left atrium] Li ZJ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1985 Oct; 7(5):341-3 (Eng. Abstr.) (Chi)

[The value of echocardiography in suspected systemic arterial embolism of cardiac origin] Egeblad H, et al. **Ugeskr Laeger** 1986 Jul 7;148(28):1749-51 (Eng. Abstr.) (Dan)

[Ultrasound in the differential diagnosis of deep venous thrombosis of the leg] Aronen H, et al. **Duodecim** 1986; 102(3):157-61 (Eng. Abstr.) (Fin)

[Left intraventricular and right auricular double thrombus. Apropos of a case with favorable development under medical treatment] Lécuyer D, et al. **Ann Cardiol Angeiol (Paris)** 1986 May;35(5):271-3 (Eng. Abstr.) (Fre)

[Contribution of complementary examinations in the diagnosis and treatment of emboligenic cardiopathies. Retrospective study apropos of 46 cases] Allard-Latour G, et al. **Arch Mal Coeur** 1985 Aug;78(8):1249-54 (Eng. Abstr.) (Fre)

[Thromboses of the right atrium: echocardiographic aspects, practical management. Apropos of 8 cases] Corman C, et al. **Arch Mal Coeur** 1986 Apr;79(4):464-71 (Eng. Abstr.) (Fre)

[Thromboses of the right cardiac cavities: echocardiographic diagnosis and therapeutic indications apropos of 2 cases and review of the literature] Grollier G, et al. **Can J Cardiol** 1986 Mar-Apr;2(2):68-75 (Eng. Abstr.) (Fre)

[Retraction of the branches of Greenfield's intracaval filter. An indirect sign of thrombosis of the inferior vena cava (letter)] Clement C, et al. **Presse Med** 1985 Oct 5; 14(33):1756 (Fre)

[Diagnosis of bilateral renal vein thrombosis in infancy by

pulsed Doppler sonography of the renal vessels] Deeg KH, et al. **Klin Padiatr** 1985 Nov–Dec;197(6):467–72 (Eng. Abstr.) (Ger)

[Use of imaging procedures in the diagnosis of jugular vein thrombosis] Zanella FE, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Jun;65(6):322–6 (Eng. Abstr.) (Ger)

[Occlusion or stenosis of the splenoportal axis. Supplementary information with duplex sonography?] Czembirek H, et al. **ROFO** 1985 Nov;143(5):530–3 (Eng. Abstr.) (Ger)

[Sonographic, computed tomographic and nuclear magnetic resonance tomographic detection of thrombosis of the internal jugular vein] König R, et al. **ROFO** 1986 May; 144(5):611–4 (Ger)

[Sonographic detection of embolic masses in the ventricular passage] Homann CJ, et al. **Ultraschall Med** 1986 Apr; 7(2):83–6 (Eng. Abstr.) (Ger)

[Importance of transesophageal echocardiography in the diagnosis of cardiac and paracardiac space-occupying processes] Nellessen U, et al. **Z Kardiol** 1986 Feb;75(2):91–8 (Eng. Abstr.) (Ger)

[Diagnostic up-date in thrombosis of the portal vein] Scicolone G, et al. **Chir Ital** 1985 Dec;37(6):640–50 (Eng. Abstr.) (Ita)

[Two-dimensional echocardiography in the diagnosis of right atrial masses (editorial)] Barbaresi F. **G Ital Cardiol** 1985 Aug;15(8):816–8 (Ita)

[Post-necrotic endoventricular thrombosis. Comparative evaluation of the diagnostic reliability of 2-dimensional echocardiography and cineventriculography] Cacciapuoti F, et al. **G Ital Cardiol** 1986 Apr;16(4):344–9 (Eng. Abstr.) (Ita)

[Possibilities and difficulties of differential diagnosis by 2-dimensional echocardiography of mobile masses inside the right atrium. Apropos of a case] Dall'Aglio V, et al. **G Ital Cardiol** 1985 Aug;15(8):812–5 (Eng. Abstr.) (Ita)

[Mondor's disease. Thrombophlebitis of the lateral thoracic and thoraco-epigastric veins] Farinella M. **Minerva Cardioangiol** 1986 May;34(5):333–6 (Eng. Abstr.) (Ita)

[Unusual echocardiographic pattern of left endoventricular thrombosis disappearing after anticoagulant therapy] Neri G, et al. **Minerva Cardioangiol** 1985 Jun;33(6):329–31 (Eng. Abstr.) (Ita)

[Magnetic resonance imaging of cardiovascular thrombi] Imai H, et al. **J Cardiogr** 1985 Sep;15(3):681–94 (Eng. Abstr.) (Jpn)

[A case of inferior vena cava thrombosis associated with cholelithiasis demonstrated by ultrasonic examination] Ishikura Y, et al. **Nippon Geka Gakkai Zasshi** 1986 Jul; 87(7):813–7 (Eng. Abstr.) (Jpn)

[A case of mesenteric venous thrombosis: its sonographic and computed tomographic findings] Kokudo N, et al. **Nippon Geka Gakkai Zasshi** 1985 Aug;86(8):966–71 (Eng. Abstr.) (Jpn)

[Image diagnosis of thrombosis] Iwasaki S, et al. **Nippon Rinsho** 1986 May;44(5 Spec No 542):1081–6 (15 ref.) (Jpn)

[Clinical tests on the diagnosis of thrombosis] Yamanaka M. **Nippon Rinsho** 1986 May;44(5 Spec No 542):1076–80 (4 ref.) (Jpn)

[A case of a free-floating clot in the left atrium diagnosed by echocardiography] Maciejewski M, et al. **Kardiol Pol** 1985;28(12):801–6 (Eng. Abstr.) (Pol)

[Echocardiographic image of a pedunculated thrombus in the right atrium in a patient with pulmonary embolism] Torbicki A, et al. **Kardiol Pol** 1985;28(10):637–43 (Pol)

[Advances in the laboratory diagnosis of disorders of hemostasis] Sawicka B. **Pol Tyg Lek** 1985 Jul 15; 40(28):806–9 (38 ref.) (Pol)

[Ultrasonic diagnosis of thrombi of the right ventricle] Korytnikov KI, et al. **Kardiologiia** 1985 Dec;25(12):101–3 (Rus)

[Diagnosis and treatment of the thrombohemorrhagic syndrome] Dubiaga AN, et al. **Khirurgiia (Mosk)** 1985 Dec; (12):67–71 (Eng. Abstr.) (Rus)

[Diagnosis of thrombosis of deep veins of the lower extremities by the method of ultrasonic flowmetry] Savchuk BD, et al. **Khirurgiia (Mosk)** 1986 May;(5):81–5 (Eng. Abstr.) (Rus)

[Ultrasonic methods of diagnosis of late complications after surgery of the aorta and arteries of the lower limbs] Zatevakhin II, et al. **Klin Khir** 1985;(7):46–8 (Eng. Abstr.) (Rus)

[Mesenteric venous thrombosis after splenectomy] Gagarin VV. **Klin Med (Mosk)** 1985 Sep;63(9):118–22 (Eng. Abstr.) (Rus)

[Role of echo- and phonocardiographic examination in the ambulatory care of patients after insertion of mitral valve prosthesis] Markhasina IP. **Revmatologiia (Moskva)** 1986 Apr–Jun;(2):49–51 (Eng. Abstr.) (Rus)

[Hemostasiogram in the evaluation of disorders of the hemostasis system in surgical patients] Alikhanov DM. **Vestn Khir** 1985 Oct;135(10):58–64 (Eng. Abstr.) (Rus)

[Clinical picture, diagnosis and surgical treatment of mesenteric vein thrombosis] Gagarin VV. **Vestn Khir** 1986 Mar;136(3):41–5 (Eng. Abstr.) (Rus)

[Acute iliofemoral venous thrombosis] Zakharova GN, et al. **Vestn Khir** 1985 Dec;135(12):51–3 (Eng. Abstr.) (Rus)

[Echocardiographic detection of a penduncular tumor formation (probably a thrombus) in the right atrium in a patient with congestive cardiomyopathy] Polić S, et al. **Lijec Vjesn** 1986 Jan;108(1):33–6 (Eng. Abstr.) (Ser)

[Diagnosis using bidimensional echocardiography in a free thrombus of the left atrium] Castellanos Reyes C, et al. **Arch Inst Cardiol Mex** 1985 Jul–Aug;55(4):349–51 (Eng. Abstr.) (Spa)

DIET THERAPY

Supplementation of the diet with eicosapentaenoic acid: a possible approach to the treatment of thrombosis and inflammation. Salmon JA, et al. **Proc Nutr Soc** 1985 Sep; 44(3):385–9

DRUG THERAPY

Thrombosis, fibrinolysis and ethylestrenol. Cade JF, et al. **Acta Endocrinol [Suppl] (Copenh)** 1985;271:53–9

One-month versus six-month therapy with oral anticoagulants after symptomatic deep vein thrombosis. Holmgren K, et al. **Acta Med Scand** 1985;218(3):279–84

Low-dose streptokinase therapy for Swan-Ganz catheter-induced thrombosis. Kahn SE, et al. **Am Heart J** 1985 Oct;110(4):891–3

Peripheral embolization during thrombolytic therapy for left atrial thrombus. Blazer D, et al. **Am J Cardiol** 1986 Sep 1;58(6):554–5

Fibrinolytic therapy for femoral arterial thrombosis after cardiac catheterization in infants and children. Wessel DL, et al. **Am J Cardiol** 1986 Aug 1;58(3):347–51

Trousseau's syndrome. Devastating coagulopathy in the absence of heparin. Bell WR, et al. **Am J Med** 1985 Oct; 79(4):423–30

Renal artery embolism treated with intra-arterial streptokinase infusion results in patent but small renal arteries. Frey FJ, et al. **Am J Nephrol** 1986;6(3):214–6

Efficacy of tissue plasminogen activator and urokinase in a canine model of prosthetic graft thrombosis. Curl GR, et al. **Arch Surg** 1986 Jul;121(7):782–8

New antithrombotic agent, cilostazol. **Arzneimittelforschung** 1985;35(7A):1117–1208

Effect of cilostazol on platelet aggregation and experimental thrombosis. Kimura Y, et al. **Arzneimittelforschung** 1985; 35(7A):1144–9

The use of regional, low dose streptokinase in recently thrombosed arterial grafts. Miles CR, et al. **Aust NZ J Surg** 1986 May;56(5):417–21

Fibrinolytic treatment by infusion of streptokinase–plasminogen–complex (activator): laboratory effects. Martin H, et al. **Behring Inst Mitt** 1986 Feb; (79):263–71

Low dose aspirin does not prevent fibrinolytic response to venous occlusion. de Gaetano G, et al. **Biochem Pharmacol** 1986 Sep 15;35(18):3147–50

Low-molecular-weight heparin in venous thrombosis during pregnancy [letter] Priollet P, et al. **Br J Haematol** 1986 Jul;63(3):605–6

Low-dose intra-arterial streptokinase infusion therapy of peripheral arterial occlusions and occluded vein grafts. Fong H, et al. **Can J Surg** 1986 Jul;29(4):259–62

Selective low-dose streptokinase infusion in the treatment of acute transplant renal vein thrombosis. Robinson JM, et al. **Cardiovasc Intervent Radiol** 1986;9(2):86–9

The role of intravenous streptokinase in acute arterial occlusions after cardiac catheterization. Gagnon RM, et al. **Cathet Cardiovasc Diagn** 1985;11(4):409–12

ACCP-NHLBI National Conference on Antithrombotic Therapy. American College of Chest Physicians and the National Heart, Lung and Blood Institute. **Chest** 1986 Feb; 89(2 Suppl):1S–106S

Endobronchial streptokinase to dissolve a right mainstem clot [letter] Thomson DB. **Chest** 1986 Jun;89(6):904

Enhancement of thrombolysis with tissue-type plasminogen activator by pretreatment with heparin. Cercek B, et al. **Circulation** 1986 Sep;74(3):583–7

Beneficial effect of aspirin in maintaining the patency of small-caliber prosthetic grafts after thrombolysis with urokinase or tissue-type plasminogen activator. Curl GR, et al. **Circulation** 1986 Sep;74(3 Pt 2):I21–4

Thrombolysis with recombinant human tissue-type plasminogen activator in patients with peripheral artery and bypass graft occlusions. Graor RA, et al. **Circulation** 1986 Sep;74(3 Pt 2):I15–20

Treatment with urokinase for thrombotic complications of the bio-carbon prosthesis for hemodialysis [letter] Novos D, et al. **Clin Nephrol** 1985 Dec;24(6):315

Urokinase in patients dialyzed with Hemasite [letter] Viron B, et al. **Clin Nephrol** 1986 Jun;25(6):314

Thrombolytic therapy in heparin-associated thrombocytopenia with thrombosis. Clifton GD, et al. **Clin Pharm** 1986 Jul;5(7):597–601

Clinical efficacy of heparin fractions: issues and answers. Messmore HL. **CRC Crit Rev Clin Lab Sci** 1986;23(2):77–94 (118 ref.)

Tissue-type plasminogen activator. Therapeutic potential in thrombotic disease states. Collen D. **Drugs** 1986 Jan; 31(1):1–5

Two-dimensional echocardiographic assessment of anticoagulant therapy in left ventricular thrombosis early after acute myocardial infarction. Tramarin R, et al. **Eur Heart J** 1986 Jun;7(6):482–92

Retrograde trypsin instillation into the renal pelvis for the dissolution of obstructive blood clots. Grabe M, et al. **Eur Urol** 1986;12(1):69–70

Rapid dissolution of right atrial thrombus in a patient with congestive cardiomyopathy. Polić S, et al. **G Ital Cardiol** 1985 Aug;15(8):809–11

Proceedings of the defibrotide symposium. 8th International Congress on Thrombosis. Istanbul, June 4–7, 1984. **Haemostasis** 1986;16 Suppl 1:1–68

Comparison of the antithrombotic and haemorrhagic effects of heparin and a new low molecular weight heparin in rats. Andriuoli G, et al. **Haemostasis** 1985;15(5):324–30

Heparin and its low molecular weight derivatives: anticoagulant and antithrombotic properties. Holmer E, et al. **Haemostasis** 1986;16 Suppl 2:1–7

Low molecular weight heparin fraction PK 10169: a new therapeutic means for anticoagulant therapy? Huet Y, et al. **Haemostasis** 1986;16(2):165–72

Axillary vein thrombosis—local treatment with streptokinase. Mealy K, et al. **Ir Med J** 1985 Oct;78(10):289–90

Streptokinase: an antidotal case. Long SI. **J Natl Med Assoc** 1986 May;78(5):453–4, 457

Effect of perioperative platelet inhibition on postcarotid endarterectomy mural thrombus formation. Results of a prospective randomized controlled trial using aspirin and dipyridamole in humans. Findlay JM, et al. **J Neurosurg** 1985 Nov;63(5):693–8

Deep venous thrombosis with localized skin necrosis. Brennan M, et al. **J Tenn Med Assoc** 1986 Apr;79(4):210

Late thrombosis of the Björk-Shiley tilting disc valve in the tricuspid position. Thrombolytic treatment with streptokinase. Boskovic D, et al. **J Thorac Cardiovasc Surg** 1986 Jan;91(1):1–8

Lytic therapy in the treatment of axillary and subclavian vein thrombosis. Druy EM, et al. **J Vasc Surg** 1985 Nov; 2(6):821–7

Peripheral artery and bypass graft thrombolysis with recombinant human tissue-type plasminogen activator. Graor RA, et al. **J Vasc Surg** 1986 Jan;3(1):115–24

Transgraft hemorrhage: a serious complication of low-dose thrombolytic therapy. Perler BA, et al. **J Vasc Surg** 1986 Jun;3(6):936–8

Streptokinase in the treatment of subclavian vein thrombosis. Steed DL, et al. **J Vasc Surg** 1986 Jul;4(1):28–32

Treatment of myocardial infarction by early lysis of intracoronary thrombi. White HD, et al. **NZ Med J** 1985 Aug 28;98(785):692–3

Comparison of verapamil and nifedipine in thrombosis models. Myers AK, et al. **Proc Soc Exp Biol Med** 1986 Oct;183(1):86–91

Recombinant human tissue-type plasminogen activator for thrombolysis in peripheral arteries and bypass grafts. Risius B, et al. **Radiology** 1986 Jul;160(1):183–8

Intermittent melphalan in the treatment of essential thrombocytosis with haemorrhage or thrombosis. de Pauw BE, et al. **Scand J Haematol** 1985 Oct;3 (4):448–50

Antiplatelet drugs in the management of patients with thrombotic disorders. Harker LA. **Semin Thromb Hemost** 1986 Apr;12(2):134–55 (155 ref.)

Primary thrombosis of the axillary/subclavian vein. Smith-Behn J, et al. **South Med J** 1986 Sep;79(9):1176–8

Statistical determinants of success and complications of thrombolytic therapy for arterial occlusion of lower extremity. Hallett JW Jr, et al. **Surg Gynecol Obstet** 1985 Nov;161(5):431–7

A comparison of the antithrombotic and haemorrhagic effects of a low molecular weight heparin (LHN-1) and conventional heparin. Diness V, et al. **Thromb Haemost** 1986 Jun 30;55(3):410–4

Studies of suloctidil in experimental thrombosis in baboons. Hanson SR, et al. **Thromb Haemost** 1985 Jun 24;53(3):423–7

Pentosan polysulphate associated thrombocytopenia. Follea G, et al. **Thromb Res** 1986 May 1;42(3):413–8

The effect of antithrombotics in a new model of arterial thrombosis. Hladovec J. **Thromb Res** 1986 Mar 1; 41(5):665–70

Antithrombotics in view of thrombosis models. Hladovec J. **Thromb Res** 1986 Sep 1;43(5):545–61

Thrombolytic effect of single-chain pro-urokinase in a rabbit jugular vein thrombosis model. Matsuo O, et al. **Thromb Res** 1986 Apr 15;42(2):187–94

Antithrombotic effects of acetylsalicylic acid (ASA) and pentoxifylline in laser-induced thrombosis in rat mesenteric vessels. Weichert W, et al. **Vasa** 1985;14(3):280–4

[Fibrinolytic therapy] Vreeken J. **Ned Tijdschr Geneeskd** 1985 Sep 7;129(36):1720–1 (Dut)

[Treatment of renal cancer extending supradiaphragmatically with fibrinolytics following surgery under extracorporeal circulation, hypothermia and circulatory arrest] Le Duc A, et al. **Ann Urol (Paris)** 1986;20(1):70–1 (Eng. Abstr.) (Fre)

[Retrobulbar corticotherapy] Bumbacher M, et al. **Klin Monatsbl Augenheilkd** 1985 Jun;186(6):488–90 (Eng. Abstr.) (Fre)

[Local thrombolysis in acute occlusion of a femoropopliteal Gore-Tex bypass] Stiegler H, et al. **Dtsch Med Wochenschr** 1986 Jan 17;111(3):99–101 (Eng. Abstr.) (Ger)

[Advances in thrombolytic therapy. The vascular wall. Fibrinolysis] **Folia Haematol (Leipz)** 1986;113(1–2):1–289 (Ger)

[Position and developmental trends in fibrinolytic therapy] Markwardt F. **Folia Haematol (Leipz)** 1986;113(1–2):6–17 (Eng. Abstr.) (Ger)

[Thrombolytic therapy with urokinase--indications and results] Tilsner V. **Folia Haematol (Leipz)** 1986; 113(1-2):108-21 (Eng. Abstr.) (Ger)

[Laboratory control of fibrinolytic therapy] Vinazzer H. **Folia Haematol (Leipz)** 1986;113(1-2):30-7 (Eng. Abstr.) (Ger)

[30 years of thrombolytic therapy] Vogel G. **Folia Haematol (Leipz)** 1986;113(1-2):18-29 (Eng. Abstr.) (Ger)

[Successful treatment of superior mesenteric artery thrombosis with local high-dose urokinase therapy] Köhler M, et al. **Klin Wochenschr** 1985 Aug 1;63(15):722-7 (Eng. Abstr.) (Ger)

[Treatment of venous thrombosis of the retina with prostacyclin] Haddad R, et al. **Wien Klin Wochenschr** 1985 Aug 9;97(15):646-8 (Eng. Abstr.) (Ger)

[Thrombolytic treatment of peripheral arterial circulatory disorders with streptokinase] Altmann E, et al. **Z Gesamte Inn Med** 1985 Jul 15;40(14):430-4 (Eng. Abstr.) (Ger)

[Fibrinolytic treatment today] Bartolo M, et al. **Clin Ter** 1985 Sep 15;114(5):371-9 (Eng. Abstr.) (Ita)

[Role of prostacyclin in thromboresistance] Kume S, et al. **Kokyu To Junkan** 1985 Jul;33(7):877-81 (44 ref.) (Jpn)

[Intrathecal irrigation with urokinase in ruptured cerebral aneurysm cases. Basic study and clinical application] Yoshida Y, et al. **Neurol Med Chir (Tokyo)** 1985 Dec; 25(12):989-97 (Eng. Abstr.) (Jpn)

[Therapy of thrombosis: anticoagulant-fibrinolytic therapy] Hasegawa H. **Nippon Rinsho** 1986 May;44(5 Spec No 542):1087-93 (19 ref.) (Jpn)

[Antiplatelet therapy of thrombosis] Maekawa T. **Nippon Rinsho** 1986 May;44(5 Spec No 542):1094-103 (25 ref.) (Jpn)

[Anticoagulants, thrombolytics and platelet aggregation inhibitors in the complex therapy of thrombosis of the central retinal vein and its branches] Krasnikov PG, et al. **Oftalmol Zh** 1985;(5):289-93 (Eng. Abstr.) (Rus)

[Experimental therapy of acute thrombosis using a tissue plasminogen activator] Paradeeva IK, et al. **Patol Fiziol Eksp Ter** 1985 Jul-Aug;(4):61-4 (Eng. Abstr.) (Rus)

[Treatment of acute thromboses and embolisms of the arteries of the extremities in cardiosclerosis patients] Gusak VK, et al. **Vestn Khir** 1985 Dec;135(12):47-51 (Eng. Abstr.) (Rus)

EMBRYOLOGY

Hydrops fetalis associated with inferior vena cava thrombosis. van der Vange N, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Feb;21(2):113-5

[Renal vein thrombosis developing in utero] Larsen JF. **Ugeskr Laeger** 1985 Jul 8;147(28):2237-8 (Eng. Abstr.) (Dan)

ENZYMOLOGY

[Significance of the endothelium of the vascular wall for maintaining hemostasis] Delvos U, et al. **Klin Wochenschr** 1985 Dec 16;63(24):1237-46 (Eng. Abstr.) (Ger)

ETIOLOGY

Thrombosis following percutaneous radial artery cannulation. Cederholm I, et al. **Acta Anaesthesiol Scand** 1986 Apr;30(3):227-30

Evaluation of central venous catheter thrombogenicity. Borow M, et al. **Acta Anaesthesiol Scand [Suppl]** 1985; 81:59-64

Effect of platelet inhibition on experimental venous thrombosis in the rabbit. Bergqvist D, et al. **Acta Chir Scand** 1985;151(5):429-31

The acute thrombogenicity of a compliant polyurethane arterial graft compared with autologous vein. An experimental study in sheep. Lannerstad O, et al. **Acta Chir Scand** 1986 Mar;152:187-90

In vivo arterial platelet-vessel wall interaction and thrombosis: induction, on-line registration and ultrastructural control. Maes L, et al. **Adv Exp Med Biol** 1985;191:589-97

Platelet function and platelet-polymorphonuclear-neutrophil interaction in patients with deficient platelet lipoxygenase activity. Okuma M, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:533-6

Late thrombotic obstruction of aortic porcine bioprostheses. Croft CH, et al. **Am J Cardiol** 1986 Feb 1;57(4):355-6

Septic atrial thrombosis. A potentially lethal complication of Broviac catheters in infants. Haddad W, et al. **Am J Dis Child** 1986 Aug;140(8):778-80

Mesenteric venous thrombosis as a possible complication of endoscopic sclerotherapy: a report of two cases. Thatcher BS, et al. **Am J Gastroenterol** 1986 Feb;81(2):126-9

Thrombotic arm edema as a complication of subclavian vein catheterization and arteriovenous fistula formation for hemodialysis. Glaze RC, et al. **Am J Kidney Dis** 1986 May; 7(5):439-41

Trousseau's syndrome in the head and neck. Liu PG, et al. **Am J Otolaryngol** 1985 Sep-Oct;6(5):405-8

Ulnar artery thrombosis: a sports-related injury. Porubsky GL, et al. **Am J Sports Med** 1986 Mar-Apr;14(2):170-5

Pathogenesis determines late morbidity of axillosubclavian vein thrombosis. Donayre CE, et al. **Am J Surg** 1986 Aug; 152(2):179-84

Thrombotic complication of umbilical arterial catheterization and its sequelae. Joseph R, et al. **Ann Acad Med Singapore** 1985 Oct;14(4):576-82

Portal thrombosis in cirrhotics. A retrospective analysis. Belli L, et al. **Ann Surg** 1986 Mar;203(3):286-91

Thrombosis of aortic St Jude valve. Prabhu S, et al. **Ann Thorac Surg** 1986 Mar;41(3):332-3

Recurrent thrombosis and lupus anticoagulant in systemic lupus erythematosus [letter] Lioté F, et al. **Arch Intern Med** 1986 Jun;146(6):1247

Occlusion of inner ear vessels by magnetic forces applied to circulating metallic iron particles. Giebel W, et al. **Arch Otorhinolaryngol** 1985;242(3):329-35

Postoperative arterial thrombosis. Pal SK, et al. **Asia Oceania J Obstet Gynaecol** 1985 Sep;11(3):345-7

Residual vascular risk of discontinued oral contraception. Role of antibodies to synthetic sex hormones. Beaumont V, et al. **Atherosclerosis** 1985 Dec;58(1-3):243-59

Increased risk of thrombosis due to abnormalities of the hemostatic system. Lechner K, et al. **Behring Inst Mitt** 1986 Feb;(79):1-8

Totally implantable vascular access for long term chemotherapy [letter] Woll PJ, et al. **Br Med J [Clin Res]** 1986 Mar 15;292(6522):761

Effect of heparin reversal following endarterectomy in an atherosclerotic animal model. Giannotta SL, et al. **Bull Clin Neurosci** 1984;49:52-62

Thrombotic occlusion of a Bjork-Shiley mitral valve. Talley JD, et al. **Can J Cardiol** 1986 May-Jun;2(3):152-5

Complications of right heart catheterization. A prospective autopsy study. Connors AF Jr, et al. **Chest** 1985 Oct; 88(4):567-72

Postmyocardial infarction left ventricular thrombus. An unusual cause of transient intractability of heart failure. Domingo E, et al. **Chest** 1986 Jun;89(6):898-900

Thrombosis and immune disorders. Vermylen J, et al. **Clin Haematol** 1986 May;15(2):393-412 (86 ref.)

Subclavian vein thrombosis with single-lumen venous catheters for hemodialysis [letter] Bennet WM, et al. **Clin Nephrol** 1986 Jan;25(1):54

Nephrotic syndrome with renal vein thrombosis: pathogenetic importance of a plasmin inhibitor (alpha 2-antiplasmin). Du XH, et al. **Clin Nephrol** 1985 Oct; 24(4):186-91

Thrombosis, recurrent abortions and intrauterine foetal death in a patient with lupus anticoagulant. Altomonte L, et al. **Clin Rheumatol** 1985 Dec;4(4):455-7

Obstruction of tracheostomy by thrombus [letter] Underwood SM, et al. **Crit Care Med** 1986 Sep;14(9):834

Antithrombin III deficiency in Nigerian sicklers--possible predisposition to thrombotic crises. Onyemelukwe GC, et al. **East Afr Med J** 1984 Jul;61(7):565-9

Hemodynamics of the legs and clinical symptoms following regional blocks for transurethral surgery. Perhoniemi V, et al. **Eur Urol** 1986;12(4):244-8

Delayed fibrinolysis: a cause of thrombosis? Brommer EJ. **Haemostasis** 1985;15(4):247-53

Lupus anticoagulants and thrombosis. A study of 25 cases and review of the literature. Lechner K, et al. **Haemostasis** 1985;15(4):254-62

Changes in coagulation and fibrinolysis after total hip replacement and their relations with deep vein thrombosis. Paramo JA, et al. **Haemostasis** 1985;15(5):345-52

Do malfunctioning bioprosthetic heart valves represent a potential thrombogenic focus? Prandoni P, et al. **Haemostasis** 1985;15(5):337-44

Etiologic spectrum in acute iliofemoral venous thrombosis. Plate G, et al. **Int Angiol** 1986 Apr-Jun;5(2):59-64

Axillary-subclavian vein thrombosis following combination chemotherapy and radiation therapy in lymphoma. Schreiber DP, et al. **Int J Radiat Oncol Biol Phys** 1986 Mar;12(3):391-5

Increased incidence of renal allograft thrombosis under cyclosporine immunosuppression. Rigotti P, et al. **Int Surg** 1986 Jan-Mar;71(1):38-41

Suppurative thrombosis of the superior vena cava: a lethal complication of central venous catheters. Ratcliffe FM. **Intensive Care Med** 1985;11(5):265-6

The wandering central venous catheter. An unusual case of catheter displacement. Sigurdsson J, et al. **Intensive Care Med** 1985;11(5):263-4

Acute arterial occlusion secondary to the use of a pneumatic thigh tourniquet. A case report. Williams TA, et al. **J Am Podiatr Med Assoc** 1986 Aug;76(8):464-5

Renal vein thrombosis in a case of pancreatitis. Van Gansbeke D, et al. **J Belge Radiol** 1985;68(6):468-9

Roughness and thrombogenicity of the outer surfaces of intravascular catheters. Hecker JF, et al. **J Biomed Mater Res** 1985 Apr;19(4):381-95

The blood compatibility of chitosan and N-acylchitosans. Hirano S, et al. **J Biomed Mater Res** 1985 Apr;19(4):413-7

Ex vivo interactions and surface property relationships of polyetherurethanes. Lelah MD, et al. **J Biomed Mater Res** 1986 Apr;20(4):433-68

Iliofemoral thrombosis following Harrington spinal instrumentation. Report of a case. Gurman AW, et al. **J Bone Joint Surg [Am]** 1985 Oct;67(8):1273-4

Thrombosis of the iliofemoral artery during revision of a total hip replacement. A case report. Stubbs DH, et al. **J Bone Joint Surg [Am]** 1986 Mar;68(3):454-5

Management of aortic thrombosis secondary to umbilical artery catheters in neonates. Krueger TC, et al. **J Pediatr Surg** 1985 Aug;20(4):328-32

Incidence and management of arterial injuries from left heart catheterisation. Chiverton SG, et al. **J R Coll Physicians Lond** 1986 Apr;20(2):126-8

Is macrophage-induced microthrombosis during endotoxemia dependent on prostaglandin synthesis? Maier RV, et al. **J Surg Res** 1986 Mar;40(3):238-47

The entrapped balloon: report of a possibly serious complication. Aru GM, et al. **J Thorac Cardiovasc Surg** 1986 Jan;91(1):146-9

Quantification of regional platelet and calcium deposition on pericardial tissue valve prostheses in calves and effect of hydroxyethylene diphosphonate. Dewanjee MK, et al. **J Thorac Cardiovasc Surg** 1986 Sep;92(3 Pt 1):337-48

Late axillary artery thrombosis in patients with occluded axillary-femoral bypass grafts [letter] Blaisdell FW. **J Vasc Surg** 1985 Nov;2(6):925-6

Mechanisms of arterial graft failure. II. Chronic endothelial and smooth muscle cell proliferation in healing polytetrafluoroethylene prostheses. Clowes AW, et al. **J Vasc Surg** 1986 Jun;3(6):877-84

Popliteal artery entrapment: diagnosis by computed tomography. Williams LR, et al. **J Vasc Surg** 1986 Feb; 3(2):360-3

Mural thrombi in mice with acute viral myocarditis. Tomioka N, et al. **Jpn Circ J** 1985 Dec;49(12):1277-9

Fatal thrombotic events during treatment of autoimmune thrombocytopenia with intravenous immunoglobulin in elderly patients [letter] Woodruff RK, et al. **Lancet** 1986 Jul 26;2(8500):217-8

Major venous thrombosis in patients with indwelling venous access catheters. Stricker PD, et al. **Med J Aust** 1986 May 26;144(11):601-3

The effects of withdrawal methods on arterial cannula dysfunction. McCormick KA, et al. **Milit Med** 1986 Apr; 151(4):205-10

Lupus anticoagulant, thrombosis, and fetal loss [editorial] Feinstein DI. **N Engl J Med** 1985 Nov 21;313(21):1348-50

Plakalbumin, alpha 1-antitrypsin, antithrombin and the mechanism of inflammatory thrombosis. Carrell RW, et al. **Nature** 1985 Oct 24-30;317(6039):730-2

Medical conditions and retinal vein obstruction. Scimeca GH, et al. **Pa Med** 1985 Nov;88(11):50, 52

Femoral vein occlusion following Mc-Vay repair. Klausner JM, et al. **Postgrad Med J** 1986 Apr;62(726):301-2

The initial blood retention properties of arterial prostheses. Legendre JM, et al. **Res Exp Med (Berl)** 1986; 186(3):185-202 (54 ref.)

The dearterialized liver graft. Tzakis AG. **Semin Liver Dis** 1985 Nov;5(4):375-6

Thrombosis of the vertebral artery. A rare complication following traumatic spondylolisthesis of the second cervical vertebra. Jeanneret B, et al. **Spine** 1986 Mar;11(2):179-82

An IgM lupus anticoagulant that neutralizes the enhancing effect of phospholipid on purified endothelial thrombomodulin activity--a mechanism for thrombosis. Freyssinet JM, et al. **Thromb Haemost** 1986 Jun 30; 55(3):309-13

Rheological aspects of thrombosis and haemostasis: basic principles and applications. ICTH-Report--Subcommittee on Rheology of the International Committee on Thrombosis and Haemostasis. Goldsmith HL, et al. **Thromb Haemost** 1986 Jun 30;55(3):415-35

Intra-operative activation of coagulation--a stimulus to thrombosis mediated by vasopressin? Grant PJ, et al. **Thromb Haemost** 1986 Feb 28;55(1):104-7

The heparin-mobilizable pool of platelet factor 4 and thrombogenesis [letter] O'Brien JR. **Thromb Haemost** 1985 Aug 30;54(2):552

Does hypernatraemia promote thrombosis? Grant PJ, et al. **Thromb Res** 1985 Nov 1;40(3):393-9

A new model of arterial thrombosis. Hladovec J. **Thromb Res** 1986 Mar 1;41(5):659-64

Factor IX concentrate therapy and thrombosis: relation to changes in plasma antithrombin III. Hoffman C, et al. **Thromb Res** 1986 Jul 15;43(2):143-51

The influence of preadsorbed canine von Willebrand factor, fibronectin and fibrinogen on ex vivo artificial surface-induced thrombosis. Lambrecht LK, et al. **Thromb Res** 1986 Jan 1;41(1):99-117

The effect of normovolaemic haemodilution on the early patency rate of small calibre vascular prostheses studied in a new animal model. Mahir MS, et al. **Thromb Res** 1986 Mar 15;41(6):771-80

Impaired fibrinolysis and protein C increase after cadaver kidney transplantation. Seitz R, et al. **Thromb Res** 1986 May 1;42(3):277-88

Importance of composition of the initial protein layer and platelet spreading in acute surface-induced thrombosis. Park K, et al. **Trans Am Soc Artif Intern Organs** 1985; 31:483-8

Clinical presentation of hepatic artery thrombosis after liver transplantation in the cyclosporine era. Tzakis AG, et al. **Transplantation** 1985 Dec;40(6):667-71

Ultrasonically induced intravascular streaming and thrombus formation adjacent to a micropipette. Frizzell LA, et al. **Ultrasound Med Biol** 1986 Mar;12(3):217-21

Unilateral pyonephrosis with septic thrombosis of the renal vein and vena cava. Eijsten A, et al. **Urol Int** 1986; 41(1):77-9

Pelvic phleboliths and thrombosis. Williams DJ. **Virchows Arch** [A] 1986;409(4):543–5

[Thrombotic and hemorrhagic complications in polycythemia vera] Indrák K, et al. **Vnitr Lek** 1986 Mar;32(3):272–8 (Eng. Abstr.) (Cze)

[Antithrombin III deficiency as a risk factor in postoperative thrombosis] Van Betsbrugge M. **Acta Chir Belg** 1985 Sep–Oct;85(5):299–302 (Eng. Abstr.) (Dut)

[Renal cancers with venous extension: surgical problems] Beurton D, et al. **Ann Urol (Paris)** 1985;19(6):423–5 (Eng. Abstr.) (Fre)

[Renal cancers and caval thrombus, prognostic study. Apropos of 25 cases] Guillé F, et al. **Ann Urol (Paris)** 1985; 19(6):433–6 (Eng. Abstr.) (Fre)

[Technical approach to excision of renal cancers with venous thrombus extending to the right auricle. Apropos of 4 cases] Jung JL, et al. **Ann Urol (Paris)** 1985;19(6):417–9 (Eng. Abstr.) (Fre)

[Inferior vena cava thrombus in nephroblastoma in a child. Diagnostic, surgical and prognostic problems] Orget J, et al. **Ann Urol (Paris)** 1985;19(6):420–2 (Eng. Abstr.) (Fre)

[The vena cava in surgery of renal cancer in the adult] Richaud C, et al. **Ann Urol (Paris)** 1985;19(6):413–4 (Eng. Abstr.) (Fre)

[Inferior vena cava thromboses in renal cancers. 20 years' experience] Scetbon V, et al. **Ann Urol (Paris)** 1985; 19(6):429–32 (Eng. Abstr.) (Fre)

[Homocystinuria. A type with vascular thrombosis and factor VII deficiency] Ben Dridi MF, et al. **Arch Fr Pediatr** 1986 Jan;43(1):41–4 (Eng. Abstr.) (Fre)

[Partial thrombosis of the splenic vein after partial splenectomy. A clinical case (letter)] Muyingi AM, et al. **J Chir (Paris)** 1986 Apr;123(4):281–2 (Fre)

[Thrombectomy in secondary and/or late thrombosis of branches of the aortic bifurcation prosthesis] Abet D, et al. **J Mal Vasc** 1986;11(2):120–4 (Eng. Abstr.) (Fre)

[Role of local and regional thrombolysis in late thromboses of the branches of prostheses] Pratesi C, et al. **J Mal Vasc** 1986;11(2):178–84 (Eng. Abstr.) (Fre)

[Thrombophlebitis of the saphenous trunks] Rettori R. **J Mal Vasc** 1986;11 Suppl A:1–6 (Fre)

[Thrombosis of the renal pedicle in a closed abdominal injury] Gomez Zancajo VR, et al. **J Urol (Paris)** 1985;91(7):453–5 (Eng. Abstr.) (Fre)

[Anorectal tuberculosis disclosed by hemorrhoidal thrombosis] Borki K, et al. **Med Trop (Mars)** 1986 Jan–Mar; 46(1):75–7 (Eng. Abstr.) (Fre)

[An unusual complication of jugular catheterization in the infant] Cinquin AM, et al. **Pediatrie** 1985 Mar;40(2):123–8 (Eng. Abstr.) (Fre)

[Thrombosis in disseminated lupus erythematosus] Bellucci S. **Phlebologie** 1986 Apr–Jun;39(2):459–63 (Eng. Abstr.) (Fre)

[A case of dysfibrinogenemia complicated by hemorrhage and thrombosis] Ouvry PA, et al. **Phlebologie** 1985 Jul–Sep; 38(3):417–20 (Eng. Abstr.) (Fre)

[Embolism potential of left ventricular post–myocardial infarct thrombosis detected by bidimensional echography (letter)] Allard–Latour G, et al. **Presse Med** 1985 Sep 14; 14(30):1615 (Fre)

[Venous thrombosis in central venous catheterization: incidence and promoting factors] Magalhaes P, et al. **Schweiz Med Wochenschr** 1986 Apr 26;116(17):579–82 (Eng. Abstr.) (Fre)

[Right atrial and ventricular thrombus formation in advanced left–side hypernephroma] Mattern H, et al. **Dtsch Med Wochenschr** 1986 Aug 22;111(34):1283–6 (Eng. Abstr.) (Ger)

[Thrombophilia: 2 different pathogenetic mechanisms] Pralle H. **Dtsch Med Wochenschr** 1986 Jan 24;111(4):152–3 (Ger)

[Hageman factor deficiency (factor XII)—hemorrhage or thrombosis?] Schott G, et al. **Folia Haematol (Leipz)** 1985; 112(3):436–41 (Eng. Abstr.) (Ger)

[Thrombosis of the inferior vena cava with successive lung embolization in a 15–year–old boy with nephrotic syndrome] Janda J, et al. **Padiatr Padol** 1986;21(1):69–74 (Eng. Abstr.) (Ger)

[Thrombosis of the inferior vena cava with successive lung embolization in a 15–year–old boy with the nephrotic syndrome] Janda J, et al. **Padiatr Padol** 1986;21(2):177–82 (Eng. Abstr.) (Ger)

[Transmission electron microscopy study of the thrombogenicity of arterial microanastomoses] Baffoni A, et al. **Minerva Ginecol** 1986 Mar;38(3):171–7 (Eng. Abstr.) (Ita)

[Clinical studies of thrombosis] Abe T. **Nippon Rinsho** 1986 May;44(5 Spec No 542):1028–33 (14 ref.) (Jpn)

[Thrombosis in various diseases: arteriosclerosis and thrombosis] Fujimoto T, et al. **Nippon Rinsho** 1986 May; 44(5 Spec No 542):1136–43 (21 ref.) (Jpn)

[Blood platelets and thrombosis] Hattori A, et al. **Nippon Rinsho** 1986 May;44(5 Spec No 542):1016–8 (Jpn)

[Thrombosis in various diseases: myocardial infarct] Hayashida N. **Nippon Rinsho** 1986 May;44(5 Spec No 542):1130–5 (17 ref.) (Jpn)

[Artificial organs and thrombosis: CAPD and thrombosis] Kawaguchi Y, et al. **Nippon Rinsho** 1986 May;44(5 Spec No 542):1207–10 (7 ref.) (Jpn)

[Thrombosis in various diseases: hyperlipidemia] Kawamura M, et al. **Nippon Rinsho** 1986 May;44(5 Spec No 542):1124–9 (22 ref.) (Jpn)

[Thrombosis in various diseases: urologic diseases] Koiso K, et al. **Nippon Rinsho** 1986 May;44(5 Spec No 542):1194–200 (15 ref.) (Jpn)

[Thrombosis in various disease: obstetric and gynecological diseases] Maki M, et al. **Nippon Rinsho** 1986 May;44(5 Spec No 542):1178–86 (33 ref.) (Jpn)

[Thrombosis in various diseases; aging] Matsuda T. **Nippon Rinsho** 1986 May;44(5 Spec No 542):1162–9 (35 ref.) (Jpn)

[Artificial organs and thrombosis: hemodialysis] Matsui N. **Nippon Rinsho** 1986 May;44(5 Spec No 542):1211–17 (20 ref.) (Jpn)

[Thrombosis in various diseases: vascular surgery] Mishima Y. **Nippon Rinsho** 1986 May;44(5 Spec No 542):1187–93 (6 ref.) (Jpn)

[Artificial organs and thrombosis: cardiopulmonary bypass] Mizuno A, et al. **Nippon Rinsho** 1986 May;44(5 Spec No 542):1201–6 (21 ref.) (Jpn)

[Thrombosis in various diseases: kidney diseases and blood coagulation] Narita M. **Nippon Rinsho** 1986 May;44(5 Spec No 542):1104–9 (19 ref.) (Jpn)

[Thrombosis in various diseases: myeloproliferative disorders] Niikura H. **Nippon Rinsho** 1986 May;44(5 Spec No 542):1144–52 (17 ref.) (Jpn)

[Thrombosis in various diseases: neoplasms] Niitsu Y, et al. **Nippon Rinsho** 1986 May;44(5 Spec No 542):1153–61 (35 ref.) (Jpn)

[Physiopathology of thrombosis: prostaglandins] Okuma M, et al. **Nippon Rinsho** 1986 May;44(5 Spec No 542):1051–7 (21 ref.) (Jpn)

[Physiopathology of thrombosis: blood coagulation factors and fibrinolytic factors] Sakuragawa N. **Nippon Rinsho** 1986 May;44(5 Spec No 542):1034–41 (20 ref.) (Jpn)

[Pathology of thrombosis] Tanaka K. **Nippon Rinsho** 1986 May;44(5 Spec No 542):1019–27 (40 ref.) (Jpn)

[Thrombosis in various diseases: disseminated intravascular coagulation and thrombosis] Terada H. **Nippon Rinsho** 1986 May;44(5 Spec No 542):1170–7 (25 ref.) (Jpn)

[Artificial organs and thrombosis: kidney transplantation and thrombosis] Teraoka S, et al. **Nippon Rinsho** 1986 May;44(5 Spec No 542):1218–24 (10 ref.) (Jpn)

[Thrombosis in various diseases: diabetes mellitus] Uchimura I, et al. **Nippon Rinsho** 1986 May;44(5 Spec No 542):1110–6 (26 ref.) (Jpn)

[Blood coagulation studies in a family with congenital plasminogen abnormality—with a special relevance to the association of thrombotic tendency with abnormal plasminogen] Shinmyozu K, et al. **Rinsho Ketsueki** 1986 Feb;27(2):133–9 (Eng. Abstr.) (Jpn)

[Thrombosis caused by a central venous catheter] Lund M, et al. **Tidsskr Nor Laegeforen** 1985 Oct 30;105(30):2145–6 (Eng. Abstr.) (Nor)

[Thrombosis of the central retinal artery. Localization, causes and fatal outcome] Styszyński A, et al. **Klin Oczna** 1985 Dec;87(12):493–5 (Eng. Abstr.) (Pol)

[Thromboses in newborn infants] Elovoĭ MM. **Khirurgiia (Mosk)** 1985 Jul;(7):136–7 (Rus)

[Postoperative thrombosis of the inferior mesenteric artery] Kondrat'ev NP. **Khirurgiia (Mosk)** 1985 Jun;(6):107–9 (Rus)

[Early reocclusions of the aorto–iliac segment] Ratner GL, et al. **Khirurgiia (Mosk)** 1985 Dec;(12):91–4 (Rus)

[Causes of early thrombotic reocclusions in patients with acute obstruction of the aorta and major arteries of the extremities] Stepanov NV, et al. **Khirurgiia (Mosk)** 1986 May;(5):98–101 (Rus)

[The blood coagulation system during hemosorption in the treatment of patients with arteriosclerotic occlusions of the arteries of the lower extremities] Kazakov IuI, et al. **Klin Khir** 1986;(3):36–8 (Eng. Abstr.) (Rus)

[Prognosis of the outcome of surgery and thrombotic complications in patients with Leriche's syndrome] Kovalenko VI, et al. **Klin Khir** 1985;(7):9–12 (Eng. Abstr.) (Rus)

[Evaluation of thrombosis risk in severely burned patients at the stage of acute burn toxemia] Sokolovich GE, et al. **Klin Khir** 1986;(3):19–21 (Eng. Abstr.) (Rus)

[Thrombosis of the mesenteric vessels as a complication of food toxicoinfection] Brodov LE, et al. **Ter Arkh** 1986; 58(2):114–7 (Eng. Abstr.) (Rus)

[Post–catheterization thrombosis of the subclavian vein in children] Sitko LA, et al. **Vestn Khir** 1986 Jan;136(1):92–5 (Rus)

[Thrombophilia and the disseminated intravascular coagulation syndrome in inflammatory diseases of the abdominal cavity organs] Pavlovskiĭ DP. **Vrach Delo** 1986 Feb;(2):7–9 (Eng. Abstr.) (Rus)

[Thrombosis of the renal vein in the transplanted kidney] Berenguer A, et al. **Arch Esp Urol** 1986 Jun;39(5):359–62 (Eng. Abstr.) (Spa)

[Conditioning factors in peripheral thrombosis in pediatrics] de Aquino–Jaso ME, et al. **Bol Med Hosp Infant Mex** 1985 Dec;42(12):760–6 (Eng. Abstr.) (Spa)

[Thrombosis of the right ventricle related to a central venous catheter, diagnosed by echocardiography (letter)] Gómez Delgado A, et al. **Rev Clin Esp** 1986 May;178(8):414–5 (Spa)

[Cavernous degeneration of the portal vein] González J, et al. **Rev Gastroenterol Mex** 1986 Apr–Jun;51(2):109–13 (Eng. Abstr.) (Spa)

FAMILIAL & GENETIC

An abnormal plasma distribution of protein S occurs in functional protein S deficiency. Comp PC, et al. **Blood** 1986 Feb;67(2):504–8

Familial thrombotic microangiopathy. Merrill RH, et al. **Q J Med** 1985 Nov;57(223):749–59

Protein S deficiency associated with "juvenile" arterial and venous thromboses [letter] Mannucci PM, et al. **Thromb Haemost** 1986 Jun 30;55(3):440

IMMUNOLOGY

[Course of the manifestations associated with the antiprothrombinase circulating anticoagulant] Camez A, et al. **Presse Med** 1986 Mar 15;15(11):515–8 (Eng. Abstr.) (Fre)

METABOLISM

Cholesterol accumulation in vascular smooth muscle cells incorporated into platelet–rich plasma clots. Kruth HS. **Lab Invest** 1985 Dec;53(6):634–8

The effect of hyperlipoproteinemia on thrombolysis: in vitro studies using purified lipoproteins from normolipemic donors. Steele JC Jr, et al. **Thromb Res** 1986 Aug 1; 43(3):325–34

[Experimental venous thrombosis: preretinal PO2 before and after photocoagulation] Pournaras CJ, et al. **Klin Monatsbl Augenheilkd** 1985 Jun;186(6):500–1 (Eng. Abstr.) (Fre)

OCCURRENCE

Associated von Willebrand disease as a possible cause of lack of thrombosis in an AT III abnormality (AT III Trento). Girolami A, et al. **Blut** 1986 Jan;52(1):29–33

PATHOLOGY

Isolated splenic vein thrombosis. Glynn MJ. **Arch Surg** 1986 Jun;121(6):723–5

Endothelial injury and platelet thrombosis in mesenteric arteries of rats: a scanning electron microscopy study. Maes L, et al. **Blood Vessels** 1986;23(1):1–8

Calcified thrombus of the inferior vena cava in transposition of the great vessels. Velasquez G, et al. **Cardiovasc Intervent Radiol** 1986;9(1):19–21

Extrahepatic portal obstruction in adults—report of an autopsy case. Koga T, et al. **Gastroenterol Jpn** 1986 Jun; 21(3):267–72

Thrombus formation by the application of thrombin to the outer surface of mouse mesenteric vein: comparison with the application of ADP. Hatanaka K, et al. **Thromb Res** 1985 Dec 15;40(6):731–43

[Secondary thrombosis of the renal veins in thrombosis of the inferior vena cava] Mushmov D. **Vutr Boles** 1986; 25(1):111–5 (Eng. Abstr.) (Bul)

[The vascular wall and fibrinolysis—pathologic aspects] Fuchs U, et al. **Folia Haematol (Leipz)** 1986;113(1–2):176–83 (Eng. Abstr.) (Ger)

[Venous diagnosis using duplex sonography] Stellamor K, et al. **Rontgenblatter** 1985 Nov;38(11):353–5 (Eng. Abstr.) (Ger)

[Thrombosis of the umbilical vein in the ultrasound image—pathological finding and review of the literature] Bonilla–Musoles F, et al. **Ultraschall Med** 1985 Dec; 6(6):346–50 (Eng. Abstr.) (Ger)

[Ventricular thrombi in the chronic infarct stage] Bubenheimer P, et al. **Ultraschall Med** 1985 Dec; 6(6):298–302 (Eng. Abstr.) (Ger)

[New findings on angiogenesis within the scope of organization processes] Feigl W, et al. **Vasa** 1985; 14(4):371–8 (Eng. Abstr.) (Ger)

[A very rare cause of peripheral arterial embolism] Ozer ZG, et al. **Vasa** 1985;14(3):292–4 (Eng. Abstr.) (Ger)

[Ventricular thrombi in the chronic infarct stage: echocardiographic findings, clinical aspects, relations to anticoagulation] Kneisal D, et al. **Z Kardiol** 1985 Nov; 74(11):639–47 (Eng. Abstr.) (Ger)

[Thrombosis of the umbilical vein] Dieminger HJ, et al. **Zentralbl Gynakol** 1986;108(12):765–9 (Eng. Abstr.) (Ger)

[Physiopathology of thrombosis: blood vessel wall] Sumiyoshi A. **Nippon Rinsho** 1986 May;44(5 Spec No 542):1070–5 (15 ref.) (Jpn)

[Thrombohemorrhagic theory of general pathology] Machabeli MS. **Usp Fiziol Nauk** 1986 Apr–Jun;17(2):56–82 (100 ref.) (Rus)

[Gangrene of the upper extremity as a complication of catheterization of the subclavian vein] Smirnov IuM, et al. **Vestn Khir** 1986 Apr;136(4):120–1 (Rus)

[Does the presence of a thrombus in the renal vein and in the vena cava modify the prognosis of renal adenocarcinoma? Our experience] Escudero Barrilero A, et al. **Actas Urol Esp** 1985 Jul–Aug;9(4):289–98 (Eng. Abstr.) (Spa)

PHYSIOPATHOLOGY

Differences in sensitivities of platelet thrombi to indomethacin and prostacyclin in arterioles of hamster cheek pouch. Katori M, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:517–9

Effect of changes in prostaglandin synthesis by platelets and

vessel wall on the formation of arterial thrombosis in rabbits. Kobayashi N, et al.
Adv Prostaglandin Thromboxane Leukotriene Res 1985; 15:521–2

Altered metabolism of thromboxane A2 and prostacyclin in the pathogenesis of coronary vasospasm and thrombosis. Tada M, et al.
Adv Prostaglandin Thromboxane Leukotriene Res 1985; 15:481–4

Impaired arteriolar vasodilation induced by thrombosis of a coronary arterial stenosis. Gewirtz H, et al.
Am J Physiol 1985 Dec;249(6 Pt 2):H1154–66

Concepts of clot lysis. Francis CW, et al. **Annu Rev Med** 1986;37:187–204 (79 ref.)

Platelet interactions with Dacron vascular grafts. A model of acute thrombosis in baboons. Hanson SR, et al.
Arteriosclerosis 1985 Nov–Dec;5(6):595–603

Towards a concept of thrombosis in accelerated flow: rheology, fluid dynamics, and biochemistry. Wurzinger LJ, et al. **Biorheology** 1985;22(5):437–50

Thrombosis and the vessel wall. **Clin Haematol** 1986 May; 15(2):273–565

Thrombotic disorders. Moake JL, et al. **Clin Symp** 1985; 37(4):3–32

Acute surface-induced thrombosis in the canine ex vivo model: importance of protein composition of the initial monolayer and platelet activation. Park K, et al.
J Biomed Mater Res 1986 May–Jun;20(5):589–612

Hemodynamics at stenoses formed by growing platelet thrombi in mesenteric microvasculature of rat. Sato M, et al. **Microvasc Res** 1986 Jan;31(1):66–76

Subcutaneous and intramuscular pressures in the post-phlebitic limb. Christenson JT, et al.
Scand J Clin Lab Invest 1986 Apr;46(2):137–41

The thrombolytic and hemorrhagic effects of tissue type plasminogen activator: influence of dosage regimens in rabbits. Agnelli G, et al. **Thromb Res** 1985 Dec 15; 40(6):769–77

High susceptibility to ADP-induced thrombus formation in mast cell-deficient W/Wv mice. Hatanaka K, et al.
Thromb Res 1985 Nov 15;40(4):453–64

[Clinical aspects of hemostatic balance] Jespersen J.
Ugeskr Laeger 1986 Feb 24;148(9):503–6 (Eng. Abstr.) **(Dan)**

[Thrombolysis in acute heart infarct] Lubsen J, et al.
Ned Tijdschr Geneeskd 1985 Sep 14;129(37):1765–8 **(Dut)**

[Platelet aggregation test. When is it useful?] Scalettaris U, et al. **Minerva Ginecol** 1985 Nov;37(11):677–9 (Eng. Abstr.) **(Ita)**

[Isolated thrombosis of the left brachiocephalic venous trunk] Nahum M, et al. **Minerva Med** 1986 May 7;77(19):831–8 (Eng. Abstr.) **(Ita)**

[Physiopathology of thrombosis: its relation to blood circulation] Isogai Y, et al. **Nippon Rinsho** 1986 May;44(5 Spec No 542):1063–9 (30 ref.) **(Jpn)**

[Intraocular pressure in central and peripheral thrombosis of the central retinal vein] Rynarzewska E, et al.
Klin Oczna 1985 Dec;87(12):496–7 (Eng. Abstr.) **(Pol)**

PREVENTION & CONTROL

Antithrombin III concentrate. Thromboprophylaxis during pregnancy in a patient with congenital antithrombin III deficiency. Tengborn L, et al.
Acta Obstet Gynaecol Scand 1986;65(4):375–6

Possible mechanisms of antithrombotic effect of eicosapentaenoic acid: species specificity. Murota S, et al.
Adv Prostaglandin Thromboxane Leukotriene Res 1985; 15:257–9

Can endogenous prostacyclin contribute to the antithrombotic effect of low dose aspirin in vivo? Weselcouch EO, et al.
Adv Prostaglandin Thromboxane Leukotriene Res 1985; 15:513–6

The role of the laboratory in preventing and diagnosing arterial or veinal thrombotic accidents, and in monitoring their treatment. Bauer KA. **Ann Biol Clin (Paris)** 1985; 43(4):451–4

Inhibition of platelet thromboxane synthetase by 1-(3-benzyloxy-1[E]octenyl)imidazole. Sincholle D, et al.
Arzneimittelforschung 1986;36(1):117–9

Antithrombotic effect of a monoclonal antibody to the platelet glycoprotein IIb/IIIa receptor in an experimental animal model. Coller BS, et al. **Blood** 1986 Sep;68(3):783–6

Prevention of thrombosis in arteriovenous fistulas. Uldall R.
Blood Purif 1985;3(1–3):89–93

Low molecular weight heparin once daily compared with conventional low-dose heparin twice daily. A prospective double-blind multicentre trial on prevention of postoperative thrombosis. Bergqvist D, et al. **Br J Surg** 1986 Mar;73(3):204–8

Current issues in thrombosis prevention with antiplatelet drugs. de Gaetano G, et al. **Drugs** 1986 Jun;31(6):517–49 (278 ref.)

Prospective double-blind comparison between Fragmin and conventional low-dose heparin: thromboprophylactic effect and bleeding complications. Bergqvist D, et al.
Haemostasis 1986;16 Suppl 2:11–8

In vivo effects of low molecular weight heparins on experimental thrombosis and bleeding. Hirsh J.
Haemostasis 1986;16(2):82–6

Thrombosis prophylaxis in visceral surgery with the low molecular weight heparin fragment Kabi 2165 (7,500 and 2,500 anti-Xa IU/day). Koller M, et al. **Haemostasis** 1986; 16 Suppl 2:69–70

Low molecular weight heparin: a better drug? Thomas DP, et al. **Haemostasis** 1986;16(2):87–92

Effects of full-dose heparin anticoagulation on the development of left ventricular thrombosis in acute transmural myocardial infarction. Gueret P, et al.
J Am Coll Cardiol 1986 Aug;8(2):419–26

Antithrombogenicity and oxygen permeability of block and graft copolymers of polydimethylsiloxane and poly(alpha-amino acid). Kumaki T, et al.
J Biomed Mater Res 1985 Sep;19(7):785–811

Inhibition of thrombus formation on intravascular sensors by electrical polarization. Schmitt JM, et al.
J Biomed Mater Res 1984 Sep;18(7):797–807

Ergotism as complication of thromboembolic prophylaxis with heparin and dihydroergotamine [letter] Gattierer R.
Lancet 1986 Sep 13;2(8507):638–9

An antithrombotic role for nutritional antioxidants: implications for tumor metastasis and other pathologies. McCarty MF. **Med Hypotheses** 1986 Apr;19(4):345–57 (93 ref.)

Blockade of thromboxane and the prevention of eicosanoid-induced sudden death in mice. Darius H, et al.
Proc Soc Exp Biol Med 1985 Nov;180(2):364–8

The effect of inhibition of endothelial cell cyclooxygenase on arterial thrombosis. Bourgain RH, et al.
Prostaglandins 1985 Dec;30(6):915–23

Endothelial cell seeding of small-caliber synthetic grafts in the baboon. Shepard AD, et al. **Surgery** 1986 Mar; 99(3):318–26

Reduction of thrombogenicity in small-diameter vascular prostheses seeded with autologous endothelial cells. Köveker GB, et al. **Thorac Cardiovasc Surg** 1986 Feb; 34(1):49–51

Thrombosis prophylaxis in an AT III deficient pregnant woman: application of a low molecular weight heparinoid [letter] Henny CP, et al. **Thromb Haemost** 1986 Apr 30; 55(2):301

Aspirin and the prevention of experimental arterial thrombosis: difficulty in establishing unequivocal effectiveness. Reyers I, et al. **Thromb Haemost** 1985 Oct 30;54(3):619–21

Influence of low molecular weight heparin on the hemostatic system after abdominal surgery. Schmitz-Huebner U, et al. **Thromb Haemost** 1985 Jun 24;53(3):297–300

Lack of correlation between "in vitro" and "in vivo" antithrombotic activity of heparin fractions and related compounds. Heparan sulfate as an antithrombotic agent "in vivo". Bianchini P, et al. **Thromb Res** 1985 Dec 1; 40(5):597–607

Interaction of platelets with subendothelium in humans treated with aspirin and dipyridamole alone or in combination. Escolar G, et al. **Thromb Res** 1985 Nov 1; 40(3):419–24

Dazoxiben, UK 38,485 and aspirin: duration of effect for preventing thrombotic sudden death in rabbits. Lindsay LA, et al. **Thromb Res** 1986 Jul 15;43(2):177–86

Anti-thrombotic effect of curcumin. Srivastava R, et al.
Thromb Res 1985 Nov 1;40(3):413–7

Intravenous antithrombotic activity of a synthetic heparin pentasaccharide in a human serum induced stasis thrombosis model. Walenga JM, et al. **Thromb Res** 1986 Jul 15;43(2):243–8

Antihemostatic and antithrombotic effects of XC386. Wang JP, et al. **Thromb Res** 1985 Aug 15;39(4):501–10

New surface treatments to prevent thrombosis during extracorporeal circulation. Splittgerber FH, et al.
Trans Am Soc Artif Intern Organs 1985;31:474–8

[Low-dosage heparin combined with either dihydroergotamine or graduated supportive stockings. Combined prevention of thrombosis in colonic surgery] Wille-Jørgensen P. **Ugeskr Laeger** 1986 Feb 24; 148(9):501–3 (Eng. Abstr.) **(Dan)**

[Polyunsaturated fatty acids, atherosclerosis and thrombosis] Lagarde M. **Arch Mal Coeur** 1985 Dec;78 Spec No:57–61 (Eng. Abstr.) **(Fre)**

[What can be expected today from long-term anticoagulation for cardiac and arterial thrombosis?] Loeliger EA.
Schweiz Med Wochenschr 1985 Oct 26;115(43):1483–95 (101 ref.) (Eng. Abstr.) **(Ger)**

[Prevention and medical treatment of polyregional vascular lesions] Di Perri T. **Cardiologia** 1985 Nov;30(11):1021–3 **(Ita)**

[Evaluation of the effect of oral anticoagulants on the results of surgical treatment of arteriosclerosis obliterans of the lower extremities 2 years after the operation] Listewnik MJ. **Ann Acad Med Stetin** 1985;31:103–21 (Eng. Abstr.) **(Pol)**

[Use of oral anticoagulants in patients with heart defects: II. Problems related to the long-term antithrombotic treatment of patients with heart defects] Wlodarska EK, et al. **Kardiol Pol** 1985;28(6):428–36 **(Pol)**

[Use of oral anticoagulants in patients with heart defects. I. Indications for and the effectiveness of the antithrombotic treatment of patients with heart defects] Wlodarska EK, et al. **Kardiol Pol** 1985;28(6):422–7 **(Pol)**

[Controlled heparinization during heart surgery using artificial circulation] Kholodov Alu, et al.
Anesteziol Reanimatol 1986 May–Jun;(3):15–8 (Eng. Abstr.) **(Rus)**

[Effect of filtration of erythrocytic and leuko-thrombocytic media through the filters of Soviet-made polymer single-use systems on the content of microthrombi and cellular composition] Beliaeva ZP, et al.
Gematol Transfuziol 1985 Oct;30(10):52–5 **(Rus)**

[Preventive correction of hemostasis in patients with polycythemia vera] Kovaleva LG, et al.
Gematol Transfuziol 1986 Feb;31(2):28–32 (Eng. Abstr.) **(Rus)**

[Long-term use of indirect anticoagulants in patients with obliterating atherosclerosis of peripheral arteries] Khaine Kh, et al. **Kardiologiia** 1985 Sep;25(9):61–3 **(Rus)**

[Prevention of thrombosis of a blood vessel prosthesis using the anti-aggregation drug ticlid] Kirichenko AA, et al.
Kardiologiia 1985 Aug;25(8):92–3 **(Rus)**

[Effect of antithrombotic therapy on the patency of small-diameter vascular prostheses] Malinovskiĭ NN, et al.
Khirurgiia (Mosk) 1985 Dec;(12):7–12 (Eng. Abstr.) **(Rus)**

[Correction of hemorheological disorders in patients with chronic obstructive bronchitis] Danilov IP, et al.
Klin Med (Mosk) 1985 Jul;63(7):49–53 (Eng. Abstr.) **(Rus)**

[Polymers modified by biologically active compounds—a new type of compatible material for contact with the blood] Platé NA, et al. **Vopr Med Khim** 1985 Jul–Aug;31(4):43–7 (Eng. Abstr.) **(Rus)**

[Effect of heparin and antiaggregation agents on the valvular fibrinoplatelet thrombus (letter)] Pujadas Capmany R, et al. **Med Clin (Barc)** 1986 Apr 19;86(15):655–6 **(Spa)**

[Low molecular weight heparin—a new antithrombotic agent?] Holmer E, et al. **Lakartidningen** 1985 Sep 4; 82(36):2964–7 **(Swe)**

RADIOGRAPHY

Isolated thoracic aortic thrombosis in occult aortitis: diagnostic contribution of computed tomography. Greene GM, et al. **Am Heart J** 1986 Jul;112(1):178–81

Intravenous digital subtraction angiography in patients with femoral arteriovenous fistulas and ilio-iliac crossover graft. Ariart IP, et al. **Cardiovasc Intervent Radiol** 1985;8(2):64–7

Popliteal entrapment syndrome. Gaines VD, et al.
Cardiovasc Intervent Radiol 1985;8(3):156–9

Hepatopetal collaterals after portal vein thrombosis following liver transplantation. Zajko AB, et al.
Cardiovasc Intervent Radiol 1986;9(1):46–8

Cavernous transformation of the portal vein: sonographic and computed-tomography findings. Pincelli G, et al.
Diagn Imag Clin Med 1986;55(3):154–6

CT features of cardio-pericardial masses. Vasile N, et al.
Eur J Radiol 1986 Feb;6(1):21–3

Acute bilateral arterial occlusion [clinical conference] Weinstein JK, et al. **Invest Radiol** 1985 Oct;20(7):658–60

The inferior vena caval pseudo thrombus sign: diagnosis by dynamic CT after arm vein injection. Mukai J, et al.
J Can Assoc Radiol 1985 Sep;36(3):250–3

Persistence of the cardinal veins and thrombosis: CT demonstration. Barack BM. **J Comput Assist Tomogr** 1986 Mar-Apr;10(2):327–8

Bronchogenic cavoatrial tumor thrombus: CT demonstration. Borts FT, et al. **J Comput Assist Tomogr** 1985 Nov-Dec; 9(6):1115–7

Evolution of a mural thrombus in false aneurysm: CT demonstration. Danza FM, et al.
J Comput Assist Tomogr 1986 Jan–Feb;10(1):126–9

Review of computed tomography findings in thrombosis of the major abdominal venous pathways. Castillo M, et al.
J Comput Tomogr 1986 Jul;10(3):205–14

Comparison of splenoportography and transhepatic portography in the diagnosis of portal vein thrombosis. Burcharth F, et al. **J Hepatol** 1986;2(3):351–7

Clinical and angiographic features of carotid circulation thrombus. Pessin MS, et al. **Neurology** 1986 Apr; 36(4):518–23

Renal vein thrombosis in patients with nephrotic syndrome: CT diagnosis. Gatewood OM, et al. **Radiology** 1986 Apr; 159(1):117–22

Intraluminal thrombus of the internal carotid arteries: angiographic demonstration of resolution with anticoagulant therapy alone. Pelz DM, et al. **Radiology** 1986 Aug;160(2):369–73

Vascular complications of the transplanted kidney—angiographic study. Lovasić I, et al.
Rontgenblatter 1986 Jul;39(7):182–5

Intraluminal clot of the carotid artery. A clinical-angiographic correlation of nine patients and literature review. Biller J, et al. **Surg Neurol** 1986 May; 25(5):467–77

[Obstruction of the inferior vena cava and varicocele] Bitker MO, et al. **Ann Urol (Paris)** 1986;20(1):72–4 (Eng. Abstr.) **(Fre)**

[Thrombophlebitis of the right ovarian vein. X-ray computed tomographic diagnosis and monitoring of 2 cases] Chagué D, et al. **J Radiol** 1986 Mar;67(3):241–5 (Eng. Abstr.) **(Fre)**

[Diagnosis of internal jugular vein thrombosis by x-ray computed tomography] Pereira M, et al. **J Radiol** 1985 Dec;66(12):797–800 (Eng. Abstr.) **(Fre)**

[Radiologic diagnosis of thoracic outlet syndrome and its vascular complications] Majewski A, et al.
Rontgenblatter 1986 Jul;39(7):175–81 (Eng. Abstr.) **(Ger)**

[Association of Budd-Chiari syndrome with vena cava

inferior occlusion verified by sonography and cavography] Nagy F, et al. **Orv Hetil** 1986 Jun 15;127(24):1443–4, 1447–50 (Eng. Abstr.) **(Hun)**

[2 cases of Mondor's syndrome] Grio R, et al. **Minerva Ginecol** 1986 Apr;38(4):257–9 (Eng. Abstr.) **(Ita)**

[Diagnosis of thrombobliterative diseases of abdominal aorta and major arteries using the optico-computer processing of angiograms] Solodkov EV, et al. **Khirurgiia (Mosk)** 1985 Jun;(6):129–32 **(Rus)**

[Electroroentgenography in orthopedics and traumatology and in the diagnosis of various emergency conditions] Ternovoi KS, et al. **Klin Khir** 1985;(12):34–6 (20 ref.) **(Rus)**

RADIONUCLIDE IMAGING

Renal subcapsular rim sign. Radionuclide pattern. Howman-Giles R, et al. **Clin Nucl Med** 1986 Apr; 11(4):285–6

Scintigraphic assessment of persistent venous occlusion after primary axillary vein thrombosis. Valdés Olmos RA, et al. **Eur J Nucl Med** 1986;11(9):365–7

Detection of deep venous thrombosis by indium-111 leukocyte scintigraphy. D'Alonzo WA Jr, et al. **J Nucl Med** 1986 May;27(5):631–3

Diagnosis of mesenteric venous thrombosis with 99mTc-labeled erythrocytes: an experimental study in rats. Uccheddu A, et al. **J Nucl Med Allied Sci** 1985 Oct–Dec; 29(4):289–92

[Detection and monitoring of cardiac and arterial thrombosis by platelets labeled with indium-111] Bernard PJ, et al. **Bull Acad Natl Med (Paris)** 1985 Nov;169(8):1183–90 (Eng. Abstr.) **(Fre)**

[Scintigraphic detection of thrombi using indium-111-labeled autologous platelets] Ikeoka K, et al. **J Cardiogr** 1985 Mar; 15(1):67–78 (Eng. Abstr.) **(Jpn)**

[Detection of thrombi by 111In-oxine platelet scintigraphy] Makino K, et al. **J Cardiogr** 1985 Sep;15(3):669–79 (Eng. Abstr.) **(Jpn)**

[Evaluation of In-111-platelet scintigraphy in diagnosis of intracardiac thrombus] Makino K, et al. **Kaku Igaku** 1986 Feb;23(2):187–97 **(Jpn)**

SURGERY

Iliac vein obstruction associated with acute iliofemoral venous thrombosis. Results of early reconstruction using polytetrafluoroethylene grafts. Plate G, et al. **Acta Chir Scand** 1985;151(7):607–11

Thrombosed synthetic hemodialysis access fistulas: the success of combined thrombectomy and angioplasty (technical note). Smith TP, et al. **AJR** 1986 Jul;147(1):161–3

Thrombectomy for obstructed Björk-Shiley mitral prosthesis [letter] Kaul U, et al. **Am Heart J** 1985 Dec;110(6):1323–4

Effort-related axillosubclavian vein thrombosis. A new theory of pathogenesis and a plea for direct surgical intervention. Aziz S, et al. **Am J Surg** 1986 Jul;152(1):57–61

Neonatal inferior vena cava and renal venous thrombosis treated by thrombectomy and nephrectomy. Clark AG, et al. **Arch Dis Child** 1985 Nov;60(11):1076–7

Superior mesenteric vein thrombosis. Ghaly M, et al. **Aust NZ J Surg** 1986 Mar;56(3):277–9

Pulmonary embolism in acute iliofemoral venous thrombosis. Plate G, et al. **Br J Surg** 1985 Nov;72(11):912–5

Role of surgery in iliofemoral venous thrombosis. Rutherford RB. **Chest** 1986 May;89(5 Suppl):434S–437S

Acute thrombosis of a composite ascending aortic conduit containing a Bjork-Shiley valve during pregnancy: successful emergency cesarean section and operative repair. Sbemin RJ, et al. **Clin Cardiol** 1986 Jun;9(6):299–301

Surgical management of renal cell carcinoma with vena cava tumor thrombus. Giuliani L, et al. **Eur Urol** 1986; 12(3):145–50

Thrombectomy and temporary AV-fistula in iliofemoral vein thrombosis. Technical considerations and early results. Einarsson E, et al. **Int Angiol** 1986 Apr-Jun;5(2):65–72

Puerperal ovarian vein thrombosis. Berlin M, et al. **Int Surg** 1985 Apr-Jun;70(2):179–80

Salvage of angioaccess after late thrombosis of radiocephalic fistulas for hemodialysis. Romero A, et al. **Int Surg** 1986 Apr-Jun;71(2):122–4

Acute thrombosis of abdominal aortic aneurysm. An uncommon entity. Cervantes J, et al. **J Cardiovasc Surg (Torino)** 1985 Nov-Dec;26(6):598–601

Distal tibial artery thrombectomy in acute limb ischemia. Lipton JS, et al. **J Cardiovasc Surg (Torino)** 1986 Jul-Aug; 27(4):431–3

Superior mesenteric vein thrombosis: a case report. Nedd WO, et al. **J Natl Med Assoc** 1985 Sep;77(9):743–4, 747–8

Fate of thrombectomized Björk-Shiley valves. A long-term cinefluoroscopic, echocardiographic, and hemodynamic evaluation. Venugopal P, et al. **J Thorac Cardiovasc Surg** 1986 Feb;91(2):168–73

Simple extra-anatomic jugular vein bypass for subclavian vein thrombosis. Hansen B, et al. **J Vasc Surg** 1985 Nov; 2(6):921–3

Neonatal thoracoabdominal aortic thrombosis associated with the umbilical artery catheter: successful management by transaortic thrombectomy. Himmel PD, et al. **J Vasc Surg** 1986 Aug;4(2):119–23

Experimental superior vena caval placement of the Greenfield filter. Langham MR Jr, et al. **J Vasc Surg** 1985 Nov;2(6):794–8

Follow-up evaluation of venous morphologic factors and function after thrombectomy and temporary arteriovenous fistula in thrombosis of iliofemoral vein. Einarsson E, et al. **Surg Gynecol Obstet** 1986 Aug;163(2):111–6

Thrombotic obstruction of aortic, mitral, and tricuspid Björk-Shiley prostheses in the same patient. Bortolotti U, et al. **Thorac Cardiovasc Surg** 1986 Jun;34(3):196–7

Acute thrombosis of a St. Jude Medical aortic prosthesis in a pregnant woman. Donzeau Gouge P, et al. **Thorac Cardiovasc Surg** 1985 Aug;33(4):248–9

Technique for removal of renal cell carcinoma with suprahepatic vena caval tumor thrombus. Marshall FF, et al. **Urol Clin North Am** 1986 Aug;13(3):551–7

Bilateral retroperitoneal exposure for aortoiliac thrombendarterectomy. A new alternative. Cronestrand R, et al. **Vasa** 1986;15(1):52–5

[Experience with venous thrombectomy using the modification of Nahodil] Pitrák V, et al. **Rozhl Chir** 1986 Jun;65(6):396–402 (Eng. Abstr.) **(Cze)**

[Severe ischemia caused by femoro-popliteal thrombosis. Endarterectomy using a pneumatic oscillator] Coubret P, et al. **J Mal Vasc** 1985;10(2):123–8 (Eng. Abstr.) **(Fre)**

[Delayed reconstruction following post-traumatic renal artery thrombosis] Marquard K, et al. **Urologe [A]** 1985 Sep;24(5):280–2 (Eng. Abstr.) **(Ger)**

[High aortic occlusion] Schmidt R, et al. **Vasa** 1985; 14(3):248–51 (Eng. Abstr.) **(Ger)**

[Preliminary observations on the disobstruction of the internal carotid artery by intraluminal approach with lasers] Fasano VA, et al. **Minerva Chir** 1986 Mar 31;41(5–6):303–9 **(Ita)**

[Isolated thrombosis of the splenic vein in an infant. Splenectomy and reimplantation of splenic tissue] Esposito G, et al. **Pediatr Med Chir** 1985 Jan-Feb;7(1):77–80 (Eng. Abstr.) **(Ita)**

[A case of surgical correction of the inferior vena cava obstruction with Budd-Chiari syndrome] Yaku H, et al. **Nippon Geka Gakkai Zasshi** 1985 Aug;86(8):948–52 (Eng. Abstr.) **(Jpn)**

[A successful operation for ball valve thrombus] Hisatomi K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Aug; 33(8):1220–3 (Eng. Abstr.) **(Jpn)**

[Radical correction of inferior vena cava obstruction with Budd-Chiari syndrome] Kazui T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Jul;33(7):1123–7 (Eng. Abstr.) **(Jpn)**

[Successful reconstructive operations in acute post-dilatation thrombosis of the arteries of the allogenic kidney] Belorusov OS, et al. **Khirurgiia (Mosk)** 1986 May;(5):130–1 **(Rus)**

[Traumatic occlusions of the major arteries] Komarov IA, et al. **Khirurgiia (Mosk)** 1985 Dec;(12):15–9 (Eng. Abstr.) **(Rus)**

[Remote results of the combined treatment of patients with acute ilio-femoral venous thrombosis] Malakhov VP, et al. **Khirurgiia (Mosk)** 1986 May;(5):86–9 (Eng. Abstr.) **(Rus)**

[Repeated reconstructive operations on the aorta and major arteries of the lower extremities] Martynov AA, et al. **Khirurgiia (Mosk)** 1985 Dec;(12):19–24 (Eng. Abstr.) **(Rus)**

[Repeated surgical interventions in early thrombotic reocclusions after surgery for acute arterial obstruction] Vakhidov AV, et al. **Khirurgiia (Mosk)** 1985 Jun;(6):24–9 (Eng. Abstr.) **(Rus)**

[Method of intimal thrombectomy in arterial occlusive diseases] Dalgat DM, et al. **Klin Khir** 1985;(10):76–7 **(Rus)**

[Clinical and experimental plastic surgery of peripheral arteries with autopericardium] Solov'ev GM, et al. **Sov Med** 1985;(12):49–53 (Eng. Abstr.) **(Rus)**

[Surgery of acute thrombosis of the bifurcation of the aorta and arteries of the extremities] Savel'ev VS. **Vestn Khir** 1986 Mar;136(3):3–7 (Eng. Abstr.) **(Rus)**

[Severe ischemic vascular disease of the legs. PTA as an acceptable complement to vascular surgery] Nelzén O, et al. **Lakartidningen** 1985 Sep 11;82(37):3058–9 **(Swe)**

THERAPY

Options in the management of graft thrombosis. Rutherford RB, et al. **Acta Chir Scand [Suppl]** 1985;529:101–5

Late thrombolysis: controlled clinical trial overdue [letter] Spodick DH. **Am J Cardiol** 1986 Apr 1;57(10):896

Mechanical thrombolysis: a new rotational catheter approach for acute thrombi. Ritchie JL, et al. **Circulation** 1986 May; 73(5):1006–12

Central venous septic thrombophlebitis—the role of medical therapy. Verghese A, et al. **Medicine (Baltimore)** 1985 Nov; 64(6):394–400

Renal vein thrombosis with recurrent pulmonary emboli in the nephrotic syndrome: use of the Greenfield filter. O'Brien AA, et al. **Postgrad Med J** 1986 Mar;62(725):223–5

[Rhinogenic orbital complications—a 5 year case analysis at the National Taiwan University Hospital] Young YH, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Nov;84(11):1277–82 (Eng. Abstr.) **(Chi)**

[Case report on the demonstration of successful interdisciplinary cooperation] Dressler C, et al. **Anaesthesiol Reanim** 1986;11(2):79–83 (Eng. Abstr.) **(Ger)**

[Acute arterial occlusion: surgical thrombectomy versus local thrombolysis—preliminary status determination from the interdisciplinary viewpoint] Brunner U, et al. **Vasa** 1986; 15(2):158–61 (Eng. Abstr.) **(Ger)**

[Development of a high fibrinolytic potential around a thrombus using leukocyte Fc receptors loaded with streptase] Tsybikov NN, et al. **Biull Eksp Biol Med** 1985 Nov;100(11):581–3 (Eng. Abstr.) **(Rus)**

[Increasing the local concentration of fibrinolysin and thrombolysis rate using magnetic fluid in a model of occlusive thrombosis] Rusetskiĭ AN, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1986;9(1):89–93 **(Rus)**

[Blue phlegmasia] Izmailov GA. **Khirurgiia (Mosk)** 1985 Jun; (6):139–40 **(Rus)**

[Experience with the treatment of thrombosis of major arteries of the limbs of arteriosclerotic etiology] Gusak VK, et al. **Klin Khir** 1985;(7):42–3 (Eng. Abstr.) **(Rus)**

[Fibrinolysis and thrombolysis after administration of tissue plasminogen activator in dogs] Malinovskiĭ NN, et al. **Vestn Akad Med Nauk SSSR** 1985;(7):52–8 (Eng. Abstr.) **(Rus)**

[Prevention and outpatient treatment of vascular pathology of the eyes] Katsnel'son LA. **Vestn Oftalmol** 1985 Nov-Dec;101(6):4–8 **(Rus)**

VETERINARY

Endothelial cell infection and thrombosis in paralysis caused by equid herpesvirus-1: equine stroke. Edington N, et al. **Arch Virol** 1986;90(1–2):111–24

Defective platelet-fibrinogen interaction in hereditary canine thrombopathia. Catalfamo JL, et al. **Blood** 1986 Jun; 67(6):1568–77

Ultrasonographic diagnosis of aorto-iliac thrombosis. Tithof PK, et al. **Cornell Vet** 1985 Oct;75(4):540–4

Echocardiographic diagnosis of intracardiac thrombi in a woolly monkey. Allen JL, et al. **J Am Vet Med Assoc** 1985 Dec 1;187(11):1273–5

Intracardiac and aortic thrombi in capuchin monkeys (Cebus apella). Kessler MJ, et al. **J Med Primatol** 1986;15(4):259–66

THROMBOSIS, CORONARY see **CORONARY DISEASE**

THROMBOSIS, VENOUS see **THROMBOPHLEBITIS**

THROMBOXANE A SYNTHASE see **THROMBOXANE SYNTHETASE**

THROMBOXANE A2

ADMINISTRATION & DOSAGE

Interaction between platelet-released serotonin and thromboxane A2 on human digital arteries. Young MS, et al. **Clin Exp Pharmacol Physiol** 1986 Feb;13(2):143–52

ANALOGS & DERIVATIVES

Aza-substituted omega-side-chain modifications of 7-oxabicyclo[2.2.1]heptane thromboxane A2 receptor antagonists: structure-activity relationships. Nakane M, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:291–3

Hydrodynamic properties of a thromboxane A2/prostaglandin H2 antagonist binding site solubilized from human platelets. Burch RM, et al. **Biochem Biophys Res Commun** 1985 Nov 15;132(3):961–8

Binding of a radioiodinated 13-azapinane thromboxane antagonist to platelets: correlation with antiaggregatory activity in different species. Narumiya S, et al. **Br J Pharmacol** 1986 Jun;88(2):323–31

Prejunctional and postjunctional actions of prostaglandins F2 alpha and I2 and carbocyclic thromboxane A2 in isolated dog mesenteric arteries. Nakajima M, et al. **Eur J Pharmacol** 1986 Jan 29;120(3):309–18

Interactions of thromboxane A2 analogs and prostaglandins in isolated dog arteries. Toda N, et al. **J Cardiovasc Pharmacol** 1986 Jul-Aug;8(4):818–25

Synthesis and in vitro pharmacology of 7-oxabicyclo[2.2.1]heptane analogues of thromboxane A2/PGH2. Sprague PW, et al. **J Med Chem** 1985 Nov; 28(11):1580–90

Binding of a thromboxane A2/prostaglandin H2 receptor antagonist to washed human platelets. Mais DE, et al. **J Pharmacol Exp Ther** 1985 Dec;235(3):729–34

Solubilization of a thromboxane A2/prostaglandin H2 antagonist binding site from human platelets. Burch RM, et al. **Proc Natl Acad Sci USA** 1985 Nov;82(21):7434–8

Blockade of thromboxane and the prevention of eicosanoid-induced sudden death in mice. Darius H, et al. **Proc Soc Exp Biol Med** 1985 Nov;180(2):364–8

Assessment of the pyrogenic potency of the thromboxane A2-mimetics, SQ26655 and U46619, and thromboxane B2 by intrapreoptic injection in the cat. Gollman HM, et al. **Res Commun Chem Pathol Pharmacol** 1985 Aug;49(2):305–8

Interrelationship between secretion, protein phosphorylation and intracellular Ca2+ concentration in platelets stimulated by thrombin or thromboxane A2 analogue. Hatayama K, et al. **Thromb Res** 1986 Mar 15;41(6):761–70

Activation of protein kinase C by the action of 9,11-epithio-11,12-methano-thromboxane A2 (STA2), a stable analogue of thromboxane A2, in human platelets. Kawahara Y, et al. **Thromb Res** 1986 Mar 15;41(6):811–8

ANALYSIS

Fetal and neonatal prostacyclin and thromboxane in relation to mode of delivery. Ylikorkala O, et al. **Arch Dis Child** 1986 Aug;61(8):766–70

Prostaglandins and other arachidonic acid metabolites in the pathogenesis of clinical and experimental glomerulonephritis. Pugliese F, et al. **Int J Artif Organs** 1985 Jul;8 Suppl 2:11–2

ANTAGONISTS & INHIBITORS

Anti-ischemic actions of a new thromboxane receptor antagonist during acute myocardial ischemia in cats. Brezinski ME, et al. **Am Heart J** 1985 Dec;110(6):1161–7

Hydrodynamic properties of a thromboxane A2/prostaglandin H2 antagonist binding site solubilized from human platelets. Burch RM, et al. **Biochem Biophys Res Commun** 1985 Nov 15;132(3):961–8

The pharmacokinetic and pharmacodynamic profiles of the thromboxane A-2 receptor blocker BM 13.177. Patscheke H, et al. **Clin Pharmacol Ther** 1986 Feb;39(2):145–50

Low-dose aspirin in patients recovering from myocardial infarction. Evidence for a selective inhibition of thromboxane-related platelet function. De Caterina R, et al. **Eur Heart J** 1985 May;6(5):409–17

Platelet thromboxane inhibition by plasma polypeptides in prehypertensive Dahl rats. Uehara Y, et al. **Hypertension** 1986 Jun;8(6 Pt 2):II180–6

Prostacyclins are only weak antagonists of coronary vasospasm induced by authentic thromboxane A2 and serotonin. Schrör K, et al. **J Cardiovasc Pharmacol** 1986 May-Jun;8(3):607–13

Antagonism of thromboxane actions in the isolated perfused rat heart. Stahl GL, et al. **Life Sci** 1986 Jun 2; 38(22):2037–41

The effects of thromboxane antagonism on the transit time of platelets through the spleen. Peters AM, et al. **Thromb Haemost** 1985 Aug 30;54(2):495–7

BIOSYNTHESIS

Bleeding disorder associated with albumin-dependent partial deficiency in platelet thromboxane production [letter] Mikhailidis DP, et al. **Am J Clin Pathol** 1986 Jun; 85(6):754–5

Calcium blocker diltiazem inhibits platelet activation and stimulates vascular prostacyclin synthesis. Mehta J, et al. **Am J Med Sci** 1986 Jan;291(1):20–4

Effects on prostanoid formation and pharmacokinetics of dazmegrel (UK-38,485), a novel thromboxane synthase inhibitor, in man. Lorenz RL, et al. **Biochem Pharmacol** 1986 Mar 1;35(5):761–6

Regulation of thromboxane A2 biosynthesis in platelet-free human monocytes and the possible role of polypeptide growth factor(s) in the induction of cyclooxygenase system. Bartolini G, et al. **Biochim Biophys Acta** 1986 May 21; 876(3):486–93

Catecholamine release and potentiation of thromboxane A2 production by nicotine in the greyhound. Dusting GJ, et al. **Br J Pharmacol** 1986 Jan;87(1):29–36

Biosynthesis of thromboxane in patients with systemic sclerosis and Raynaud's phenomenon [letter] Mikhailidis DP, et al. **Br Med J [Clin Res]** 1986 May 31;292(6533):1461

Biosynthesis of thromboxane in patients with systemic sclerosis and Raynaud's phenomenon. Reilly IA, et al. **Br Med J [Clin Res]** 1986 Apr 19;292(6527):1037–9

Enhanced peripheral vasoconstrictor response and increased thromboxane A2 synthesis after the cold pressor test in patients with angina at rest. Neri Serneri GG, et al. **Circulation** 1986 Mar;73(3):409–17

Lack of production of thromboxane A2 by the sheep heart following coronary occlusion. Carter J, et al. **Comp Biochem Physiol [C]** 1986;83(2):387–92

RU486 antagonizes the inhibitory action of progesterone on prostacyclin and thromboxane A2 synthesis in cultured rat myometrial explants. Jeremy JY, et al. **Endocrinology** 1986 Aug;119(2):655–60

Functional significance of renal prostacyclin and thromboxane A2 production in patients with systemic lupus erythematosus. Patrono C, et al. **J Clin Invest** 1985 Sep; 76(3):1011–8

Long-term effects of dietary marine omega-3 fatty acids upon plasma and cellular lipids, platelet function, and eicosanoid formation in humans. von Schacky C, et al. **J Clin Invest** 1985 Oct;76(4):1626–31

Sex difference in the effect of aspirin on intracellular Ca2+ mobilization and thromboxane A2 production in rat platelets. Morikawa M, et al. **Jpn J Pharmacol** 1986 Mar; 40(3):463–8

The effect of tiaprofenic acid and indomethacin on vascular prostacyclin and platelet thromboxane A2 production. Jeremy JY, et al. **Pharmatherapeutica** 1985;4(4):260–5

Prostacyclin and thromboxane formation in human umbilical arteries following stimulation with vasoactive autacoids. Bjoro K. **Prostaglandins** 1986 Apr;31(4):699–714

Inhibition of thromboxane and prostacyclin production in whole blood by adrenoceptor antagonists. Greer IA, et al. **Prostaglandins Leukotrienes Med** 1985 Sep;19(3):209–17

Effect of ethanol on prostacyclin and thromboxane A2 synthesis in rat aortic rings in vitro. Karanian JW, et al. **Prostaglandins Leukotrienes Med** 1985 Nov;20(2):175–86

Behavior of intracellular glutathione during platelet thromboxane synthesis in diabetes. Thomas G, et al. **Prostaglandins Leukotrienes Med** 1986 Apr;22(1):117–28

A comparative study of the effects of adrenoceptor antagonists on platelet aggregation and thromboxane generation. Greer IA, et al. **Thromb Haemost** 1985 Aug 30;54(2):480–4

[Age and features of prostanoid biosynthesis in the rat kidney] Kucherenko AG, et al. **Fiziol Zh SSSR** 1986 Jun; 72(6):839–42 (Eng. Abstr.) (Rus)

BLOOD

The biological role of thromboxane A2 in the process of hemostasis and thrombosis; pharmacology and perspectives of therapeutical use of thromboxane synthetase inhibitors and receptor PGH2/TXA2 antagonists. Radomski M. **Acta Physiol Pol** 1985 May-Jun;36(3):153–64 (78 ref.)

Role of thromboxane A2. Ambler J, et al. **Adv Exp Med Biol** 1985;192:293–308 (33 ref.)

Control and interrelation of aggregation and secretion; the roles of Ca2+, diacylglycerol and thromboxane with particular reference to ADP stimulation. Hallam TJ, et al. **Adv Exp Med Biol** 1985;192:145–62 (47 ref.)

Role of prostanoids and some antiaggregating factors in regulating fetal growth. Matsumoto T, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:623–6

Prostacyclin and thromboxane A2 in preeclamptic umbilical circulation. Takagi S, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:619–21

Effect of alternate-day regular and enteric-coated aspirin on platelet aggregation, bleeding time, and thromboxane A2 levels in bleeding-time blood. Stampfer MJ, et al. **Am J Med** 1986 Sep;81(3):400–4

Prostaglandin and complement interaction in clinical acute respiratory failure. Slotman GJ, et al. **Arch Surg** 1986 Mar; 121(3):271–4

Production of platelet thromboxane A2 inactivates purified human platelet thromboxane synthase. Hall ER, et al. **Biochem J** 1986 Feb 1;233(3):637–41

Serum selenium and thromboxane in patients with gynaecological cancer. Sundström H, et al. **Carcinogenesis** 1986 Jul;7(7):1051–2

Enhancement of collagen-induced phosphoinositide turnover by thromboxane A2 analogue through Ca2+ mobilization in human platelets. Kaibuchi K, et al. **FEBS Lett** 1985 Nov 11;192(1):104–8

Intracoronary administration of streptokinase in a canine model. Disturbance in thromboxane A2-prostacyclin balance. Becker GJ, et al. **Invest Radiol** 1986 Mar; 21(3):206–9

Fibrinogen mediated activation of platelet aggregation and thromboxane A2 release: pathological implications in vascular disease. Mikhailidis DP, et al. **J Clin Pathol** 1985 Oct;38(10):1166–71

Prostaglandin E2, prostacyclin, and thromboxane changes during nonpulsatile cardiopulmonary bypass in humans. Faymonville ME, et al. **J Thorac Cardiovasc Surg** 1986 Jun;91(6):858–66

Augmented platelet reactivity and thromboxane A2 production possible aggravating factors in unstable angina. Tada M, et al. **Jpn Circ J** 1986 Feb;50(2):181–7

Are the vascular complications of diabetes mellitus preceded by an altered thromboxane/prostacyclin plasmatic ratio? Tomasi V, et al. **Med Hypotheses** 1986 Mar;19(3):229–41 (46 ref.)

The effect of the degree of diabetic control on thromboxane synthesis in clotted whole blood. Carter AJ, et al. **Thromb Res** 1986 Jan 1;41(1):137–41

The combined effects of 2,3-DPG and Na-arachidonate on platelet aggregation and on TXA2 formation. Iatridis PG, et al. **Thromb Res** 1986 Apr 15;42(2):177–85

[Significance of eicosanoids for arteriosclerosis and the effect of lipoproteins on prostanoid formation] Mest HJ, et al. **Z Gesamte Inn Med** 1986 Feb 15;41(4):94–8 (Eng. Abstr.) (Ger)

[Plasma thromboxane and prostacyclin metabolite ratio in atherosclerosis and diabetic angiopathy] Udvardy M, et al. **Orv Hetil** 1986 Jun 1;127(22):1307–10 (Eng. Abstr.) (Hun)

[Prostaglandins and ischemic cardiopathy] Strano A, et al. **Cardiologia** 1985 Apr;30(4):261–4 (Ita)

[Changes in prostacyclin and thromboxane A2 in coronary circulation, and their relation to coronary hemodynamics during reperfusion after global ischemia in canine hearts] Nomura F. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Nov; 33(11):2109–17 (Eng. Abstr.) (Jpn)

[Prostacyclin and thromboxane A2 in umbilical circulation in relation to preeclampsia] Teramoto K. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 May; 38(5):709–18 (Eng. Abstr.) (Jpn)

[Effect of bilateral common carotid artery ligation on prostaglandin levels (TXA2, PGI2) in spontaneously hypertensive rats (SHRSP, SHRSR) and normotensive rats (WKY)] Katayama Y, et al. **No To Shinkei** 1986 Jun; 38(6):571–8 (Eng. Abstr.) (Jpn)

METABOLISM

Altered metabolism of thromboxane A2 and prostacyclin in the pathogenesis of coronary vasospasm and thrombosis. Tada M, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:481–4

Thromboxane A2 moderates permeability after limb ischemia. Lelcuk S, et al. **Ann Surg** 1985 Nov;202(5):642–6

Physiological concentrations of epinephrine potentiate thromboxane A2 release from platelets in the isolated rat heart. Purchase M, et al. **Circ Res** 1986 Jan;58(1):172–6

Thromboxane, prostacyclin, and leukotrienes in cerebral ischemia. Chen ST, et al. **Neurology** 1986 Apr;36(4):466–70

Eicosanoid synthesis and release from primary cultures of rat central nervous system astrocytes and meningeal cells. Murphy S, et al. **Neurosci Lett** 1985 Oct 24;61(1-2):61–5

Elevated glucose in vivo and in vitro adversely alters prostaglandin generation in rat aortas and platelets. Valentovic MA, et al. **Prostaglandins Leukotrienes Med** 1985 Sep;19(3):271–7

Increased serum copper in pulmonary hypertension: involvement of thromboxane? [letter] Backon J. **Respiration** 1986;50(1):72

Heparin-induced platelet aggregation is inhibited by antagonists of the thromboxane pathway. Mikhailidis DP, et al. **Thromb Res** 1986 Jun 1;42(5):719–20

[Studies on mechanism of the antiplatelet effect of sodium ferulate--effect on TXA2/PGI2 balance] Xu LN, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Dec; 6(6):414–7 (Eng. Abstr.) (Chi)

PHARMACODYNAMICS

Endothelium-derived relaxing factors released by arachidonic acid but not by thromboxane A2. Dusting GJ, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985;15:491–3

Effects of prostacyclin, indomethacin, and thiothromboxane A2 on histamine-induced coronary spasm in atherosclerotic miniature swine. Nakamura M, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:489–90

Decreasing potassium conductance: a possible mechanism of supersensitivity and hyperreactivity of coronary artery to prostaglandins, thromboxane A2, and ergonovine. Uchida Y, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:487–8

Evidence for a role of prostaglandin I2 and thromboxane A2 in the ductus venosus of the lamb. Adeagbo AS, et al. **Can J Physiol Pharmacol** 1985 Sep;63(9):1101–5

Disparate effects of the calcium-channel blockers, nifedipine and verapamil, on alpha 2-adrenergic receptors and thromboxane A2-induced aggregation of human platelets. Johnson GJ, et al. **Circulation** 1986 Apr;73(4):847–54

Measurement of thromboxane A2-induced elevation of ionized calcium in collagen-stimulated platelets with the photoprotein, aequorin. Nakano T, et al. **J Biochem (Tokyo)** 1986 Apr;99(4):1285–8

Thromboxane A2 does not contribute to arrhythmogenesis during evolving canine myocardial infarction. Kramer JB, et al. **J Cardiovasc Pharmacol** 1985 Nov-Dec;7(6):1069–76

The pH dependent platelet utilization of arachidonic acid and a thromboxane A2 mimetic, in vitro. Kerry PJ, et al. **Pharmacol Res Commun** 1985 Jul;17(7):609–18

Platelet aggregation in whole blood: the role of thromboxane A2 and adenosine diphosphate. Carter AJ, et al. **Thromb Haemost** 1985 Oct 30;54(3):612–6

[Effects of prostaglandin I2 and thromboxane A2 on circulating negative inotropic agents released from acid aspiration pneumonia in dogs] Utsunomiya T, et al. **Kokyu To Junkan** 1985 Oct;33(10):1243–9 (Eng. Abstr.) (Jpn)

[Impaired platelet response to thromboxane A2 in a patient with a bleeding disorder] Shinmyozu K, et al. **Rinsho Ketsueki** 1986 May;27(5):752–7 (Eng. Abstr.) (Jpn)

[Thromboxane A2-like activity of 11-fluoro-11-deoxyprostaglandin F2alpha in isolated smooth muscles] Nigamatov IM, et al. **Dokl Akad Nauk SSSR** 1986;288(2):507–9 (Rus)

PHYSIOLOGY

Vasospasm and injuries of cerebral arteries induced by activation of platelets in vivo: it may be due to thromboxane A2. Yamazaki H, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:469–71

Role of thromboxane in control of arterial pressure and renal function in young spontaneously hypertensive rats. Grone HJ, et al. **Am J Physiol** 1986 Mar;250(3 Pt 2):F488–96

Thromboxane as a mediator of pulmonary dysfunction during intravascular complement activation in sheep. Gee MH, et al. **Am Rev Respir Dis** 1986 Feb;133(2):269–73

The roles of prostaglandin endoperoxides, thromboxane A2 and adenosine diphosphate in collagen-induced aggregation in man and the rat. Emms H, et al. **Br J Pharmacol** 1986 Jan;87(1):109–15

AH23848: a thromboxane receptor-blocking drug that can clarify the pathophysiologic role of thromboxane A2. Brittain RT, et al. **Circulation** 1985 Dec;72(6):1208–18

Inhibition of tumor cell metastasis by modulation of the vascular prostacyclin/thromboxane A2 system. Honn KV. **Clin Exp Metastasis** 1983 Apr-Jun;1(2):103–14

Myocardial ischaemia following electrical stimulation of the left circumflex coronary artery in sheep: a role for thromboxane A2? Carter J, et al.

Comp Biochem Physiol [C] 1986;83(2):393–9
Renal effects of the inhibitor of thromboxane A2-synthetase OKY-046. Hatziantoniou C, et al. **Experientia** 1986 Jun 15;42(6):613–5
The modification of platelet-induced coronary vasoconstriction by a thromboxane receptor antagonist. Verheggen R, et al. **J Cardiovasc Pharmacol** 1986 May–Jun; 8(3):483–90
Aggregating human platelets cause direct contraction and endothelium-dependent relaxation of isolated canine coronary arteries. Role of serotonin, thromboxane A2, and adenine nucleotides. Houston DS, et al. **J Clin Invest** 1986 Aug;78(2):539–44
Thromboxane A2 and prostacyclin do not moduiate the systemic hemodynamic response to cold in humaas. Gresele P, et al. **J Lab Clin Med** 1985 Nov;106(5):534–41
Acetylcholine-induced contractions in isolated rabbit pulmonary arteries: role of thromboxane A2. Altiere RJ, et al. **J Pharmacol Exp Ther** 1986 Feb;236(2):535–41
Gastric mucosal erosion due to a mucosal ischemia produced by thromboxane A2–like substance in rats under water-immersion stress. Kitagawa H, et al. **J Pharmacol Exp Ther** 1986 Apr;237(1):300–4
Thromboxane is not responsible for the high pulmonary vascular resistance in fetal lambs. Clozel M, et al. **Pediatr Res** 1985 Dec;19(12):1254–7
Blockade of thromboxane and the prevention of eicosanoid-induced sudden death in mice. Darius H, et al. **Proc Soc Exp Biol Med** 1985 Nov;180(2):364–8
Thromboxane A2 mediates hemodynamic and respiratory dysfunction in graded bacteremia. Slotman GJ, et al. **Surgery** 1986 Aug;100(2):214–21
[Thromboxane A2–PGI2 balance regulation and activating blood circulation and relieving blood stasis] Wu YS. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Feb;6(2):121–4 (20 ref.) **(Chi)**
[Eicosanoids, vascular function and atherosclerosis] Larrue J, et al. **Arch Mal Coeur** 1985 Dec;78 Spec No:41–8 (Eng. Abstr.) **(Fre)**
[The role of PGI2 and TXA2 in the pathogenesis of endotoxin-induced lung injury] Akune T, et al. **Masui** 1985 Dec;34(12):1625–9 (Eng. Abstr.) **(Jpn)**
[The role of thromboxane A2 in shock. I. Endotoxic shock] Fukushige T. **Masui** 1986 Mar;35(3):422–7 **(Jpn)**
[Role of the eicosanoids: prostaglandins, prostacyclin, thromboxane and leukotrienes in the pathogenesis of bronchial asthma and other lung diseases] Karaulov AV, et al. **Ter Arkh** 1986;58(3):123–30 (83 ref.) **(Rus)**

SECRETION

Low density lipoproteins of male donors decrease prostacyclin (PGI2) and enhance thromboxane (TXA2) release from rat aortas perfused under pulsatile pressure. Beitz J, et al. **Biomed Biochim Acta** 1985;44(11–12):1681–6

THROMBOXANE B2

[Na [125I]-labelled 6-keto-PGF1 alpha and thromboxane B2] Wang Z, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Feb; 8(1):67–9 (Eng. Abstr.) **(Chi)**

ANALOGS & DERIVATIVES

Measurement of urinary 2,3-dinor-thromboxane B2 and thromboxane B2 using bonded-phase phenylboronic acid columns and capillary gas chromatography—negative-ion chemical ionization mass spectrometry. Lawson JA, et al. **Anal Biochem** 1985 Nov 1;150(2):463–70
Formation of prostacyclin and thromboxane in man as measured by the main urinary metabolites. Fischer S, et al. **Biochim Biophys Acta** 1986 Apr 15;876(2):194–9
11-Dehydrothromboxane B2: a quantitative index of thromboxane A2 formation in the human circulation. Catella F, et al. **Proc Natl Acad Sci USA** 1986 Aug; 83(16):5861–5
Circulating and urinary thromboxane B2 metabolites in the rabbit: 11-dehydro-thromboxane B2 as parameter of thromboxane production. Westlund P, et al. **Prostaglandins** 1986 Mar;31(3):413–43
Identification of 11-dehydro-TXB2 as a suitable parameter for monitoring thromboxane production in the human. Westlund P, et al. **Prostaglandins** 1986 May;31(5):929–60
Analysis of thromboxane B3 converted from eicosapentaenoic acid in human platelet rich plasma by gas chromatography/mass spectrometry. Hirai T, et al. **Thromb Res** 1986 Mar 1;41(5):637–47

ANALYSIS

Microdetermination of prostaglandins and thromboxane B2 by gas chromatography/high-resolution selected-ion monitoring. Miyazaki H, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:45–6
Myocardial ischemia: platelet and thromboxane concentrations in cardiac lymph and the effects of ibuprofen and prostacyclin. Michael LH, et al. **Circ Res** 1986 Jul;59(1):49–55
A solid-phase enzyme immunoassay of thromboxane B2. Shono F, et al. **J Biochem (Tokyo)** 1985 Oct;98(4):1069–77
A study of the prostaglandin and thromboxane content of the central nervous tissues with the development of chronic relapsing allergic encephalomyelitis. Bolton C, et al. **J Neuroimmunol** 1986 Jan;10(3):201–8
Increased thromboxane level in experimental spinal cord injury. Hsu CY, et al. **J Neurol Sci** 1986 Jul;74(2–3):289–96
Prostaglandins and glutathione peroxidase in bovine mastitis. Atroshi F, et al. **Res Vet Sci** 1986 May;40(3):361–6
Studies on the role of thromboxane in thrombin-induced pulmonary insufficiency in the rat. Sandler H, et al. **Thromb Res** 1986 Apr 15;42(2):165–75
[Prostanoids of the peritoneal fluid and sterility with or without pelvic lesions (endometriosis, postinfectious adhesions)] Alber D, et al. **Pathol Biol (Paris)** 1986 Feb; 34(2):101–7 (Eng. Abstr.) **(Fre)**
[Early changes of vasoactive prostanoids in patients with mitral valve replacement] Takeda H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Jun;33(6):873–7 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

(E)-7-Phenyl-7-(3-pyridyl)-6-heptenoic acid (CV-4151): a potent, specific thromboxane A2 synthetase inhibitor. Nishikawa K, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:523–5
Low-dose aspirin in patients recovering from myocardial infarction. Evidence for a selective inhibition of thromboxane-related platelet function. De Caterina R, et al. **Eur Heart J** 1985 May;6(5):409–17

BIOSYNTHESIS

Platelet formation of 12-hydroxyeicosatetraenoic acid and thromboxane B2 is increased in type IIA hypercholesterolemic subjects. Eynard AR, et al. **Atherosclerosis** 1986 Apr;60(1):61–6
Activation of protein kinase C inhibits sodium fluoride-induced elevation of human platelet cytosolic free calcium and thromboxane B2 generation. Poll C, et al. **Biochem Biophys Res Commun** 1986 Apr 14;136(1):381–9
Appearance of the arachidonic acid metabolic pathway in human promyelocytic leukemia (HL-60) cells during monocytic differentiation: enhancement of thromboxane synthesis by 1 alpha,25-dihydroxyvitamin D-3. Honda A, et al. **Biochim Biophys Acta** 1986 Jul 18;877(3):423–32
CGS 12970: a novel, long acting thromboxane synthetase inhibitor. Ambler J, et al. **Br J Pharmacol** 1985 Oct; 86(2):497–504
Increased thromboxane biosynthesis in a human preparation of platelet activation: biochemical and functional consequences of selective inhibition of thromboxane synthase. Reilly IA, et al. **Circulation** 1986 Jun;73(6):1300–9
Studies on thromboxane B2 and prostaglandin E2 production in the course of murine autoimmune disease: inhibition by oral histidine and zinc supplementation. Steinhauer HB, et al. **Clin Nephrol** 1985 Aug;24(2):63–8
Enhanced thromboxane synthesis and vacuolization in human polymorphonuclear leucocytes induced by human lymphokine containing supernatants. Conti P, et al. **Clin Rheumatol** 1985 Dec;4(4):410–9
Effect of angiotensin II on prostanoid synthesis in isolated rat glomeruli. Podjarny E, et al. **Clin Sci** 1986 May; 70(5):527–30
Template bleeding time and thromboxane generation in the horse: effects of three non-steroidal anti-inflammatory drugs. Kopp KJ, et al. **Equine Vet J** 1985 Jul;17(4):322–4
Prostaglandin and thromboxane biosynthesis in resting and activated platelet-free monocytes from aged subjects. Chiricolo M, et al. **Gerontology** 1986;32(2):69–73
Low-dose PGI2 prevents monocrotaline-induced thromboxane production and lung injury. Czer GT, et al. **J Appl Physiol** 1986 Feb;60(2):464–71
Increased renal thromboxane production in murine lupus nephritis. Kelley VE, et al. **J Clin Invest** 1986 Jan; 77(1):252–9
Dermal prostacyclin, thromboxane A2 and prostaglandin F2 alpha in climacteric women: effect of oestrogen replacement therapy. Puolakka J, et al. **Maturitas** 1986 Mar; 8(1):77–80
Prostaglandin and thromboxane formation in glomeruli from rats with reduced renal mass. Stahl RA, et al. **Nephron** 1986;42(3):252–7
Formation of prostanoids in human umbilical vessels perfused in vitro. Bjøro K, et al. **Prostaglandins** 1986 Apr; 31(4):683–98
Effects of flunixin meglumine, phenylbutazone and a selective thromboxane synthetase inhibitor (UK-38,485) on thromboxane and prostacyclin production in healthy horses. Hardee MM, et al. **Res Vet Sci** 1986 Mar; 40(2):152–6
Aspirin does not inhibit human megakaryocyte thromboxane synthesis in vivo. Huijgens PC, et al. **Scand J Haematol** 1986 Jan;36(1):92–5
A comparative study of the effects of adrenoceptor antagonists on platelet aggregation and thromboxane generation. Greer IA, et al. **Thromb Haemost** 1985 Aug 30;54(2):480–4
Unsaturated platelet-activating factor: influence on aggregation, serotonin release and thromboxane synthesis of human thrombocytes. Korth R, et al. **Thromb Res** 1986 Mar 1;41(5):699–706
The in vitro effect of amrinone on thromboxane B2 synthesis in human whole blood. Pattison A, et al. **Thromb Res** 1986 Jun 15;42(6):817–24
[Formation of platelet thromboxane in a patient with type I glycogenosis] Strano A, et al. **Recenti Prog Med** 1985 Dec;76(12):619–22 (Eng. Abstr.) **(Ita)**
[Synthesis of prostaglandins (TXB2 and 6-keto-PGF1 alpha) during cardiopulmonary bypass] Arima T, et al. **Masui** 1986 Feb;35(2):277–85 (Eng. Abstr.) **(Jpn)**
[Effect of various stimulators on cyclooxygenase activity, platelet aggregation and TxB2 synthesis after using a platelet inhibitor (Aspro Clear) in vivo and in vitro] Gorczynska E, et al. **Wiad Lek** 1985 Jul 1;38(13):920–5 (Eng. Abstr.) **(Pol)**

BLOOD

Determination of plasma thromboxane B2 by radioimmunoassay: methodological problems and accuracy. Kuzuya T, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:99–101
Effect of oral contraceptives on leukocyte phagocytic activity and plasma levels of prostaglandin E2 and thromboxane B2 in normal menstruating women. Stratton JA, et al. **Am J Reprod Immunol Microbiol** 1986 Feb; 10(2):47–52
Long-lived enzymatic metabolites of thromboxane B2 in the human circulation. Lawson JA, et al. **Anal Biochem** 1986 May 15;155(1):198–205
Thromboxane B2 production during erection. Bornman MS, et al. **Andrologia** 1986 Mar–Apr;18(2):220–3
Platelet half-life, plasma thromboxane B2 and circulating endothelial-cells in peripheral vascular disease. Sinzinger H, et al. **Angiology** 1986 Feb;37(2):112–8
Prostacyclin and variant angina. Numano F, et al. **Ann NY Acad Sci** 1985;454:135–45
Endogenous lipoproteins modify the thromboxane formation capacity of platelets. Beitz J, et al. **Atherosclerosis** 1986 May;60(2):95–9
Dietary interventions in north Karelia, Finland and south Italy. Modification of thromboxane B2 formation in platelets of male subjects only. Tremoli E, et al. **Atherosclerosis** 1986 Feb;59(2):101–11
Plasma lipoproteins affect platelet malondialdehyde and thromboxane B2 production. Aviram M, et al. **Biochem Med** 1985 Aug;34(1):29–36
Evidence against a platelet cyclooxygenase defect in uraemic subjects on chronic haemodialysis. Bloom A, et al. **Br J Haematol** 1986 Jan;62(1):143–9
Serum selenium and thromboxane in patients with gynaecological cancer. Sundström H, et al. **Carcinogenesis** 1986 Jul;7(7):1051–2
Plasma levels of 6-keto PGF1 alpha but not TxB2 increase in rats with peritonitis due to cecal ligation. Fink MP, et al. **Circ Shock** 1985;16(3):297–305
Inhibition of thromboxane biosynthesis in splanchnic ischemia shock. Oei HH, et al. **Circ Shock** 1986; 18(2):95–106
Thromboxane, prostacyclin, and the hemodynamic effects of graded bacteremic shock. Slotman GJ, et al. **Circ Shock** 1985;16(4):395–404
Plasma concentrations of platelet-specific proteins and serum thromboxane B2 production in response to treatment with dipyridamole. A pilot study of 27 post-myocardial infarction patients. Safai-Kutti S, et al. **Eur Heart J** 1985 Jun;6(6):468–72
Effect of incremental doses of aspirin on bleeding time, platelet aggregation and thromboxane production in patients with cerebrovascular disease. Boss AH, et al. **Eur J Clin Invest** 1985 Dec;15(6):412–4
Plasma thromboxane B2 in haemodialysed patients. Myśliwiec M, et al. **Folia Haematol (Leipz)** 1985; 112(3):442–6
Vascular responses of platelet-activating factor in the Cebus apella primate and inhibitory profiles of antagonists SRI 63-072 and SRI 63-119. Handley DA, et al. **Immunopharmacology** 1986 Jun;11(3):175–82
Vasospastic angina: a continuing search for mechanism(s). Friesinger GC, et al. **J Am Coll Cardiol** 1986 Jan;7(1):30–1
Selective thromboxane A2 synthetase inhibition in vasospastic angina pectoris. Yui Y, et al. **J Am Coll Cardiol** 1986 Jan;7(1):25–9
Estimated rate of thromboxane secretion into the circulation of normal humans. Patrono C, et al. **J Clin Invest** 1986 Feb;77(2):590–4
Nutrient intake, blood pressure, serum and urinary prostaglandins and serum thromboxane B2 in a controlled trial with a lacto-ovo-vegetarian diet. Rouse IL, et al. **J Hypertens** 1986 Apr;4(2):241–50
Serum concentrations of prostacyclin and thromboxane in children before, during, and after cardiopulmonary bypass. Fleming WH, et al. **J Thorac Cardiovasc Surg** 1986 Jul; 92(1):73–8
Involvement of arachidonic acid metabolites in acute inflammation: detection of 6-keto-PGF1 alpha, thromboxane B2 and PGD2 in rat pleurisy induced by pborbol myristate acetate. Kiyomiya K, et al. **Jpn J Pharmacol** 1985 Oct;39(2):201–6
Slow-release aspirin and prostaglandin inhibition [letter] Roberts MS, et al. **Lancet** 1986 May 17;1(8490):1153–4
Plasma eicosanoid levels in rats with nonketotic diabetes mellitus: effect of severity. Axelrod L, et al. **Metabolism** 1986 Apr;35(4):328–32
11-Dehydrothromboxane B2: a quantitative index of

thromboxane A2 formation in the human circulation. Catella F, et al. **Proc Natl Acad Sci USA** 1986 Aug; 83(16):5861–5

Differential salicylate–aspirin interaction on vascular prostacyclin and platelet thromboxane synthesis in patients undergoing saphenectomy. Dejana E, et al. **Proc Soc Exp Biol Med** 1985 Dec;180(3):533–7

Bio–synthesis of PGD2 and TXB2 by rabbit blood monocytes. Saito H, et al. **Prostaglandins** 1986 Mar; 31(3):477–87

Aggregation of and thromboxane B2 synthesis in platelets from newborn infants of smoking and non–smoking mothers. Ahlsten G, et al. **Prostaglandins Leukotrienes Med** 1985 Aug;19(2):167–76

Salicylate may prevent the inhibitory effect of indomethacin on serum thromboxane formation in man. Bucchi F, et al. **Prostaglandins Leukotrienes Med** 1986 Jan;21(1):111–2

Effect of a single pentoxifylline administration on platelet sensitivity, plasma factor activity, plasma–6–oxo–PGF1 alpha and thromboxane B2 in healthy volunteers. Pohanka E, et al. **Prostaglandins Leukotrienes Med** 1986 May; 22(2):191–200

Re–examination of the assay for plasma prostanoids by solid–phase extraction, and radioimmunoassay. Walenga RW, et al. **Prostaglandins Leukotrienes Med** 1985 Nov; 20(2):151–67

Platelet aggregation and evaluation of the ratio thromboxane B2/6–keto–prostaglandin F1 alpha in the plasma of patients on long term cimetidine treatment. Zavagli G, et al. **Prostaglandins Leukotrienes Med** 1985 Sep;19(3):241–50

Influence of coronary artery obstruction on cardiac prostaglandin metabolism during experimental cardioplegic arrest. Kobinia GS, et al. **Thorac Cardiovasc Surg** 1986 Apr; 34(2):124–7

Aspirin kinetics and inhibition of platelet thromboxane generation–relevance for a solution of the "aspirin dilemma". Cerletti C, et al. **Thromb Haemost** 1985 Jun 24;53(3):415–8

Platelet thromboxane formation and bleeding time is influenced by ethanol withdrawal but not by cigarette smoking. Hillbom M, et al. **Thromb Haemost** 1985 Jun 24; 53(3):419–22

Direct radioimmunological measurement of thromboxane B2 in plasma. Delvos U, et al. **Thromb Res** 1985 Sep 15; 39(6):767–70

[Plasma thromboxane B2 and 6–keto–prostaglandin F1–alpha concentrations in patients with essential and renovascular hypertension] Gong LS, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Feb; 14(1):23–5, 62–3 (Eng. Abstr.) **(Chi)**

[Analysis of serum TXB2 in essential hypertension] Yang Y. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Feb; 14(1):31–2 **(Chi)**

[Dynamic analysis of plasma TXB2 determined by radioimmunoassay in 30 cases of cerebral infarction] Cao QL. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1986 Feb;19(1):1–3 (Eng. Abstr.) **(Chi)**

[Significance of eicosanoids for arteriosclerosis and the effect of lipoproteins on prostanoid formation] Mest HJ, et al. **Z Gesamte Inn Med** 1986 Feb 15;41(4):94–8 (Eng. Abstr.) **(Ger)**

[Studies on changes in histamine levels in the blood of infants and children. Part 7. The time studies of histamine, lipoxygenase metabolites, thromboxe B2 and cyclic AMP release from human platelets and leucocytes on treadmill exercise in asthmatic children] Horiuchi Y, et al. **Arerugi** 1985 Sep;34(9):854–65 (Eng. Abstr.) **(Jpn)**

[Serial changes in plasma thromboxane and complement in ARDS—effect of the thromboxane synthetase inhibitor] Katoh K, et al. **Masui** 1985 Jul;34(7):966–72 (Eng. Abstr.) **(Jpn)**

[Thromboxane B2 in surgery] Hayashi C. **Nippon Geka Gakkai Zasshi** 1985 Dec;86(12):1569–78 (Eng. Abstr.) **(Jpn)**

[Changes in intrinsic prostanoids after Blalock–Taussig operation of tetralogy of Fallot] Takeda H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Apr;34(4):462–6 (Eng. Abstr.) **(Jpn)**

[Plasma levels of thromboxane B2 and 6–keto PGF1 alpha in patients with variant angina] Nomura S. **Nippon Naika Gakkai Zasshi** 1985 Jun;74(6):758–64 **(Jpn)**

[Plasma thromboxane B2 levels in various liver diseases] Arai M. **Nippon Shokakibyo Gakkai Zasshi** 1986 Apr;83(4):863 **(Jpn)**

[Thromboxane and prostacyclin in patients with stenocardia in induced and spontaneous ischemia of the myocardium] Panchenko EP, et al. **Biull Vsesoiuznogo Kardiol Naucha Tsentra AMN SSSR** 1986;9(1):73–9 (Eng. Abstr.) **(Rus)**

[Status of the prostacyclin and thromboxane system, lipid metabolism and lipid peroxidation processes in patients with coronary atherosclerosis] Efimov VV, et al. **Vrach Delo** 1986 Apr;(4):37–40 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

[Clinical significance of TXB2 level in CSF of patients with acute cerebrovascular diseases] Xie P. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1986 Feb; 19(1):4–8 (Eng. Abstr.) **(Chi)**

METABOLISM

Effects of intratracheal administration of bleomycin on prostaglandins and thromboxane–B2 and collagen levels of the lung in hamsters. Giri SN, et al. **Exp Lung Res** 1985; 9(1–2):119–33

Prostaglandin E and thromboxane B2 release by PMA–induced U937 cells in response to C3b. Schenkein HA. **J Leukocyte Biol** 1986 May;39(5):511–9

Effect of experimental cardiopulmonary bypass on systemic and transcardiac thromboxane B2 levels. Kobinia GS, et al. **J Thorac Cardiovasc Surg** 1986 Jun;91(6):852–7

Placental thromboxane and prostacyclin in the regulation of placental blood flow. Mäkilä UM, et al. **Obstet Gynecol** 1986 Oct;68(4):537–40

The effect of zinc deficiency and food restriction on prostaglandin E2 and thromboxane B2 in saliva and plasma of rats. Bales CW, et al. **Prostaglandins** 1986 May; 31(5):859–68

Effects of nitrogen dioxide exposure on the contents of prostaglandins and thromboxane B2 in broncho alveolar lavage. Kobayashi T. **Prostaglandins** 1986 Mar;31(3):469–75

Effects of acute and chronic ethanol administration on thromboxane and prostacyclin levels and release in rat brain cortex. Pediconi M, et al. **Prostaglandins** 1985 Aug; 30(2):313–22

Circulating and urinary thromboxane B2 metabolites in the rabbit: 11–dehydro–thromboxane B2 as parameter of thromboxane production. Westlund P, et al. **Prostaglandins** 1986 Mar;31(3):413–43

Identification of 11–dehydro–TXB2 as a suitable parameter for monitoring thromboxane production in the human. Westlund P, et al. **Prostaglandins** 1986 May;31(5):929–60

Increased platelet thromboxane B2 production in newborn infants of diabetic mothers. Kääpä P, et al. **Prostaglandins Leukotrienes Med** 1986 Mar;21(3):299–304

[Prostaglandin metabolism in ischemic brain edema] Shingu T. **Nippon Geka Hokan** 1985 Sep 1;54(5):317–37 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Effect of prostaglandins on interferon synthesis in murine macrophage–like cell lines. Salo RJ, et al. **Immunobiology** 1986 Mar;171(1–2):155–63

Assessment of the pyrogenic potency of the thromboxane A2–mimetics, SQ26655 and U46619, and thromboxane B2 by intrapreoptic injection in the cat. Gollman HM, et al. **Res Commun Chem Pathol Pharmacol** 1985 Aug;49(2):305–8

PHYSIOLOGY

Pulmonary vascular response to leukotriene D4 in unanesthetized sheep: role of thromboxane. Noonan TC, et al. **J Appl Physiol** 1986 Mar;60(3):765–9

URINE

Measurement of urinary 2,3–dinor–thromboxane B2 and thromboxane B2 using bonded–phase phenylboronic acid columns and capillary gas chromatography—negative–ion chemical ionization mass spectrometry. Lawson JA, et al. **Anal Biochem** 1985 Nov 1;150(2):463–70

Measurement of thromboxane B2 in human urine by isotope dilution and negative ion chemical ionization mass spectrometry. Meese CO, et al. **Biomed Mass Spectrom** 1985 Sep;12(9):554–9

Urinary excretion of 6–keto–prostaglandin F1 alpha, thromboxane B2 and prostaglandin E2 in cirrhosis with ascites. Relationship to functional renal failure (hepatorenal syndrome). Rimola A, et al. **J Hepatol** 1986;3(1):111–7

Urinary excretion of TXB2 after angiotensin converting enzyme inhibition in hypertensive patients. Kudo K, et al. **Prostaglandins Leukotrienes Med** 1986 Jan;21(1):77–86

[Urinary excretion of thromboxane B2 in normal human subjects: sex and age differences] Kudo K, et al. **Nippon Naika Gakkai Zasshi** 1986 May;75(5):626–32 **(Jpn)**

THROMBOXANE SYNTHETASE

ANALYSIS

Monoclonal antibodies to thromboxane synthase from porcine lung. Production and application to development of a tandem immunoradiometric assay. Shen RF, et al. **J Biol Chem** 1986 Sep 5;261(25):11585–91

ANTAGONISTS & INHIBITORS

Prevention of cerebral vasospasm with OKY–046 an imidazole derivative and a thromboxane synthetase inhibitor. A preliminary co–operative clinical study. Suzuki S, et al. **Acta Neurochir (Wien)** 1985;77(3–4):133–41

The biological role of thromboxane A2 in the process of hemostasis and thrombosis; pharmacology and perspectives of therapeutical use of thromboxane synthetase inhibitors and receptor PGH2/TXA2 antagonists. Radomski M. **Acta Physiol Pol** 1985 May–Jun;36(3):153–64 (78 ref.)

Renal effects of cyclooxygenase and thromboxane synthetase inhibitors in dogs with experimental liver disease and in rats with glomerulonephritis. Dunn MJ, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:465–8

(E)–7–Phenyl–7–(3–pyridyl)–6–heptenoic acid (CV–4151): a potent, specific thromboxane A2 synthetase inhibitor. Nishikawa K, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:523–5

Thromboxane synthetase inhibitors: design and synthesis of a novel series of omega–pyridylalkenoic acids. Terao S, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985;15:315–7

Effect of thromboxane synthetase inhibition on vulnerability to ventricular arrhythmia following coronary occlusion. O'Connor KM, et al. **Am Heart J** 1986 Apr;111(4):683–8

Thromboxane synthetase inhibition improves function of hydronephrotic rat kidneys. Klotman PE, et al. **Am J Physiol** 1986 Feb;250(2 Pt 2):F282–7

Thromboxane synthesis inhibition and postprandial intestinal hyperemia and oxygenation. Mangino MJ, et al. **Am J Physiol** 1986 Jan;250(1 Pt 1):G64–9

Modulation of arachidonic acid metabolism in endotoxic horses: comparison of flunixin meglumine, phenylbutazone, and a selective thromboxane synthetase inhibitor. Moore JN, et al. **Am J Vet Res** 1986 Jan;47(1):110–3

Attenuation of permeability lung injury after phorbol myristate acetate by verapamil and OKY–046. Allison RC, et al. **Am Rev Respir Dis** 1986 Jul;134(1):93–100

Inhibition of platelet thromboxane synthetase by 1–(3–benzyloxy–1[E]octenyl)imidazole. Sincholle D, et al. **Arzneimittelforschung** 1986;36(1):117–9

Production of platelet thromboxane A2 inactivates purified human platelet thromboxane synthase. Hall ER, et al. **Biochem J** 1986 Feb 1;233(3):637–41

Requirement of ADP for arachidonic acid–induced platelet aggregation: studies with selective thromboxane–synthase inhibitors. Cerletti C, et al. **Biochem Pharmacol** 1986 Apr 1;35(7):1201–3

Effects on prostanoid formation and pharmacokinetics of dazmegrel (UK–38,485), a novel thromboxane synthase inhibitor, in man. Lorenz RL, et al. **Biochem Pharmacol** 1986 Mar 1;35(5):761–6

Survival of mice with NC carcinoma is unchanged by drugs that are thought to inhibit thromboxane synthesis or increase prostacyclin formation. Stamford IF, et al. **Br J Cancer** 1986 Aug;54(2):257–63

CGS 12970: a novel, long acting thromboxane synthetase inhibitor. Ambler J, et al. **Br J Pharmacol** 1985 Oct; 86(2):497–504

Effects of a combination of metoprolol and dazmegrel on myocardial infarct size in rats. Bullock GR, et al. **Br J Pharmacol** 1985 Sep;86(1):235–40

The effects of metoprolol and dazmegrel, alone and in combination, on arrhythmias induced by coronary artery occlusion in conscious rats. Leprán I, et al. **Br J Pharmacol** 1985 Sep;86(1):229–34

Effect of Dazmegrel (UK–38,485) on immune function in a burned guinea–pig model. Wang SL, et al. **Burns Incl Therm Inj** 1986 Jun;12(5):307–11

The effect of the thromboxane synthetase inhibitor Dazmegrel (UK–38,485) on wound healing, dermal ink perfusion and skin blood flow measurements in deep partial thickness burns. Wang SL, et al. **Burns Incl Therm Inj** 1986 Jun;12(5):312–7

Beneficial effects of acute intravenous ibuprofen on neurologic recovery of head–injured mice: comparison of cyclooxygenase inhibition with inhibition of thromboxane A2 synthetase or 5–lipoxygenase. Hall ED. **Cent Nerv Syst Trauma** 1985 Summer;2(2):75–83

Inhibition of thromboxane biosynthesis in splanchnic ischemia shock. Oei HH, et al. **Circ Shock** 1986; 18(2):95–106

The biochemical pharmacology of thromboxane synthase inhibition in man. FitzGerald GA, et al. **Circulation** 1985 Dec;72(6):1194–201 (76 ref.)

Increased thromboxane biosynthesis in a human preparation of platelet activation: biochemical and functional consequences of selective inhibition of thromboxane synthase. Reilly IA, et al. **Circulation** 1986 Jun;73(6):1300–9

Specific thromboxane synthetase inhibition and retinopathy in insulin–dependent diabetics. Barnett AH, et al. **Diabetes Res** 1986 Mar;3(3):131–4

Spectral studies on structure–activity relationships of thromboxane synthase inhibitors. Hecker M, et al. **Eur J Biochem** 1986 May 15;157(1):217–23

Renal effects of the inhibitor of thromboxane A2–synthetase OKY–046. Hatziantoniou C, et al. **Experientia** 1986 Jun 15;42(6):613–5

Selective thromboxane A2 synthetase inhibition in vasospastic angina pectoris. Yui Y, et al. **J Am Coll Cardiol** 1986 Jan;7(1):25–9

Effects of thromboxane synthase inhibition on air emboli lung injury in sheep. Fukushima M, et al. **J Appl Physiol** 1986 Jun;60(6):1828–33

Protective effect of a novel thromboxane synthetase inhibitor, CV–4151, on myocardial damage due to coronary occlusion and reperfusion in the hearts of anesthetized dogs. Imamoto T, et al. **J Cardiovasc Pharmacol** 1986 Jul–Aug; 8(4):832–9

Improvement in organ blood flow by inhibition of thromboxane synthetase during experimental endotoxic shock in the rat. Tempel GE, et al. **J Cardiovasc Pharmacol** 1986 May–Jun;8(3):514–9

Effects of thromboxane synthase inhibition on vascular responsiveness in the in vivo rat mesentery. Jackson EK. **J Clin Invest** 1985 Dec;76(6):2286–95

Selective thromboxane synthetase inhibitors. 3. 1H-imidazol-1-yl-substituted benzo[b]furan-, benzo[b]thiophene-, and indole-2- and -3-carboxylic acids. Cross PE, et al. **J Med Chem** 1986 Sep;29(9):1637-43

Selective thromboxane synthetase inhibitors. 4. 2-(1H-imidazol-1-ylmethyl) carboxylic acids of benzo[b]furan, benzo[b]thiophene, indole, and naphthalene. Cross PE, et al. **J Med Chem** 1986 Sep;29(9):1643-50

Selective thromboxane synthetase inhibitors. 1. 1-[(Aryloxy)alkyl]-1H-imidazoles. Cross PE, et al. **J Med Chem** 1985 Oct;28(10):1427-32

Selective thromboxane synthetase inhibitors. 2. 3-(1H-imidazol-1-ylmethyl)-2-methyl-1H-indole-1-propanoic acid and analogues. Cross PE, et al. **J Med Chem** 1986 Mar;29(3):342-6

Thromboxane A2 synthase inhibitors. 5-(3-Pyridylmethyl)benzofuran-2-carboxylic acids. Johnson RA, et al. **J Med Chem** 1986 Aug;29(8):1461-8

Thromboxane synthetase inhibitors and antihypertensive agents. 2. N-[(1H-imidazol-1-yl)alkyl]-1H-isoindole-1,3(2H)-diones and N-[(1H-1,2,4-triazol-1-yl)alkyl]-1H-isoindole-1,3(2H)-diones as unique antihypertensive agents. Press JB, et al. **J Med Chem** 1986 May;29(5):816-9

Thromboxane synthetase inhibitors and antihypertensive agents. 1. N-[(1H-imidazol-1-yl)alkyl]aryl amides and N-[(1H-1,2,4-triazol-1-yl)alkyl]aryl amides. Wright WB Jr, et al. **J Med Chem** 1986 Apr;29(4):523-30

Reduction in the incidence of thrombosis by the thromboxane synthetase inhibitor CGS 13080 in a canine model of coronary artery injury. Simpson PJ, et al. **J Pharmacol Exp Ther** 1986 Aug;238(2):497-501

Effect of thromboxane synthetase inhibition on canine autogenous vein grafts. Endean ED, et al. **J Surg Res** 1986 Apr;40(4):297-304

Ginger: inhibition of thromboxane synthetase and stimulation of prostacyclin: relevance for medicine and psychiatry. Backon J. **Med Hypotheses** 1986 Jul;20(3):271-8 (67 ref.)

Effects of the thromboxane synthetase inhibitor, dazmegrel (UK 38,485), on pulmonary gas exchange and hemodynamics in neonatal sepsis. Truog WE, et al. **Pediatr Res** 1986 May;20(5):481-6

Thromboxane synthase inhibition: implications for prostaglandin endoperoxide metabolism. II. Testing the 'redirection hypothesis' in an acute intravenous challenge model. Carey F, et al. **Prostaglandins** 1986 Jan;31(1):47-59

Thromboxane synthase inhibition: implications for prostaglandin endoperoxide metabolism. I. Characterisation of an acute intravenous challenge model to measure prostaglandin endoperoxide metabolism. Haworth D, et al. **Prostaglandins** 1986 Jan;31(1):33-45

Effect of thromboxane synthetase inhibitors (OKY-046, OKY-1580) on experimentally induced air embolism in anesthetized dogs. Ishihara Y, et al. **Prostaglandins Leukotrienes Med** 1986 Feb;21(2):197-206

Thromboxane synthetase inhibitors, thromboxane receptor antagonists, and aspirin in cardiovascular disease. Dorn GW 2d, et al. **Ration Drug Ther** 1985 Jul;19(7):1-7

CGS-12970, a thromboxane synthetase inhibitor, limits ischemic damage following coronary artery occlusion. Hock CE, et al. **Res Commun Chem Pathol Pharmacol** 1986 Jun;52(3):285-94

Cerebral platelet thromboembolism and thromboxane synthetase inhibition. Fredriksson K, et al. **Stroke** 1985 Sep-Oct;16(5):800-5

A new approach to antithrombotic therapy--evaluation of combined therapy of thromboxane synthetase inhibitor and very low dose of aspirin. Nagatsuka K, et al. **Stroke** 1985 Sep-Oct;16(5):806-9

Reduction of polymorphonuclear leukocyte accumulations by inhibition of cyclooxygenase and thromboxane syntase in the rabbit. Palder SB, et al. **Surgery** 1986 Jan;99(1):72-81

Thromboxane synthase inhibition causes re-direction of prostaglandin endoperoxides to prostaglandin D2 during collagen stimulated aggregation of human platelet rich plasma. Orchard MA, et al. **Thromb Res** 1985 Sep 15; 39(6):701-10

CV-4151--a potent, selective thromboxane A2 synthetase inhibitor. Terashita Z, et al. **Thromb Res** 1986 Jan 15; 41(2):223-37

[The effect of thromboxane (Tx)A2 synthetase inhibitor (OKY-046) on airway hyperresponsiveness induced by ozone exposure in beagles] Kobayashi H, et al. **Arerugi** 1985 Jul;34(7):469-73 (Eng. Abstr.) **(Jpn)**

[Synthesis of prostaglandins (TXB2 and 6-keto-PGF1 alpha) during cardiopulmonary bypass] Arima T, et al. **Masui** 1986 Feb;35(2):277-85 (Eng. Abstr.) **(Jpn)**

[Effects of OKY 046 on responses to norepinephrine in rat mesenteric arterioles] Kato T, et al. **Masui** 1986 Mar; 35(3):393-8 (Eng. Abstr.) **(Jpn)**

[Serial changes in plasma thromboxane and complement in ARDS--effect of the thromboxane synthetase inhibitor] Katoh K, et al. **Masui** 1985 Jul;34(7):966-72 (Eng. Abstr.) **(Jpn)**

[Treatment of occlusive cerebrovascular disease with a selective thromboxane A2 synthetase inhibitor] Okamoto S, et al. **Nippon Geka Hokan** 1986 Jan 1;55(1):251-9 (Eng. Abstr.) **(Jpn)**

[Dazoxiben blocks the increase of angiotensin converting enzyme in bronchoalveolar lavage induced by free fatty acids] Espinoza X, et al. **Rev Med Chil** 1985 Jan;113(1):6-11 (Eng. Abstr.) **(Spa)**

BLOOD

An improved malondialdehyde assay for estimation of thromboxane synthase activity in washed human blood platelets. Panse M, et al. **Prostaglandins** 1985 Dec; 30(6):1031-40

ISOLATION & PURIFICATION

Isolation and characterization of thromboxane synthase from human platelets as a cytochrome P-450 enzyme. Haurand M, et al. **J Biol Chem** 1985 Dec 5;260(28):15059-67

Immunoaffinity purification and characterization of thromboxane synthase from porcine lung. Shen RF, et al. **J Biol Chem** 1986 Sep 5;261(25):11592-9

METABOLISM

Evidence for the involvement of the thromboxane synthase pathway in human natural cytotoxic cell activity. Rola-Pleszczynski M, et al. **J Immunol** 1985 Dec; 135(6):4114-9

PHYSIOLOGY

Hydralazine inhibits vascular reactivity by a mechanism independent of vascular prostaglandin biosynthesis: role of thromboxane synthetase in blocking hydralazine actions. Ally AI, et al. **Res Commun Chem Pathol Pharmacol** 1986 Jul;53(1):39-63

THROMBOXANES

Solution conformation and electrostatic potential distribution of prostaglandins and thromboxanes and their relation to specificity. Kalia A, et al. **FEBS Lett** 1985 Nov 25; 193(1):99-104

Prostaglandins, thromboxanes and leukotrienes in clinical medicine. Zipser RD, et al. **West J Med** 1985 Oct; 143(4):485-97 (273 ref.)

ANALYSIS

Qualitative and quantitative measurement of hydroxy fatty acids, thromboxanes and prostaglandins using stable isotope dilutions and detection by gas chromatography-mass spectrometry. Gleispach H, et al. **J Chromatogr** 1985 Nov 8;344:11-21

Use of tritium labeled amino acid conjugates of prostaglandins and thromboxanes as labeled ligands in prostanoid radioimmunoassay. Sautebin L, et al. **Prostaglandins** 1985 Sep;30(3):435-56

ANTAGONISTS & INHIBITORS

Maternal ingestion of acetylsalicylic acid inhibits fetal and neonatal prostacyclin and thromboxane in humans. Ylikorkala O, et al. **Am J Obstet Gynecol** 1986 Aug; 155(2):345-9

AH23848, a thromboxane antagonist, suppresses ischaemia and reperfusion-induced arrhythmias in anaesthetized greyhounds. Coker SJ, et al. **Br J Pharmacol** 1985 Sep; 86(1):259-64

Binding of a radioiodinated 13-azapinane thromboxane antagonist to platelets: correlation with antiaggregatory activity in different species. Narumiya S, et al. **Br J Pharmacol** 1986 Jun;88(2):323-31

Heparin-induced platelet aggregation is inhibited by antagonists of the thromboxane pathway. Brace LD, et al. **Thromb Res** 1985 Aug 15;39(4):533-9

BIOSYNTHESIS

Renal biosynthesis of prostacyclin and thromboxane: relationship between renal release of prostacyclin and thromboxane and tissue pressure. Okahara T, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:419-22

Augmentation of thromboxane production in vitro by polymorphonuclears and macrophages exposed to IL1/LP. Conti P, et al. **Agents Actions** 1986 Jan;17(3-4):390-1

Selective inhibition of thromboxane synthesis in glycerol-induced acute renal failure. Watson AJ, et al. **Am J Kidney Dis** 1986 Jul;8(1):26-30

Prostaglandins, thromboxanes, and leukotrienes in inflammation. Malmsten CL. **Am J Med** 1986 Apr 28; 80(4B):11-7

Dietary fatty acids and platelet thromboxane production in puerperal women and their offspring. Kiilpä P, et al. **Am J Obstet Gynecol** 1986 Jul;155(1):146-9

Kinetic behavior of the multienzyme system of blood prostanoid synthesis. Varfolomeev SD, et al. **Biosystems** 1986;19(1):45-54

In vivo production of prostacyclin and thromboxane in patients with acute myocardial infarction. Henriksson P, et al. **Br Heart J** 1986 Jun;55(6):543-8

Effects of verapamil on platelet aggregation and serum thromboxane synthesis in vitro and in vivo. Strano A, et al. **Int Angiol** 1985 Jul-Sep;4(3):379-82

Significance of thromboxane generation in ozone-induced airway hyperresponsiveness in dogs. Aizawa H, et al. **J Appl Physiol** 1985 Dec;59(6):1918-23

Alterations in prostacyclin and thromboxane formation by chronic cigarette smoke exposure: temporal relationships and whole smoke vs. gas phase. Lubawy WC, et al. **J Appl Toxicol** 1986 Apr;6(2):77-80

Airway hyperresponsiveness induced by platelet-activating factor: role of thromboxane generation. Chung KF, et al. **J Pharmacol Exp Ther** 1986 Mar;236(3):580-4

Topical ibuprofen decreases thromboxane release from the endotoxin-stimulated burn wound. Katz A, et al. **J Trauma** 1986 Feb;26(2):157-62

Quantitative relationships between dietary linoleate and prostaglandin (eicosanoid) biosynthesis. Mathias MM, et al. **Lipids** 1985 Nov;20(11):791-801

In vivo indexes of platelet and vascular function during fish-oil administration in p tients with atherosclerosis. Knapp HR, et al. **N Engl J Med** 1986 Apr 10;314(15):937-42

Selective stimulation of coronary vascular PGI2 but not of platelet thromboxane formation by defibrotide in the platelet perfused heart. Löbel P, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Nov; 331(2-3):125-30

Relationship of thromboxane generation to the aggregation of platelets from humans: effects of eicosapentaenoic acid. Lands WE, et al. **Prostaglandins** 1985 Nov;30(5):819-25

Effect of pulmonary oedema induced by alpha-naphthylthiourea on synthesis of cyclo-oxygenase products in rat isolated lungs. Pankhania JJ, et al. **Prostaglandins** 1985 Jul;30(1):37-49

Selective inhibition of thromboxane synthesis partially protected while inhibition of angiotensin II formation did not protect rats against acute renal failure induced with glycerol. Papanicolaou N, et al. **Prostaglandins Leukotrienes Med** 1986 Jan;21(1):29-35

Endotoxin-induced prostanoid production by the burn wound can cause distant lung dysfunction. Demling RH, et al. **Surgery** 1986 Apr;99(4):421-31

Effects of smoking and nicotine on human prostacyclin and thromboxane production in vivo and in vitro. Toivanen J, et al. **Toxicol Appl Pharmacol** 1986 Feb;82(2):301-6

[Effect of antioxidants on the synthesis of prostaglandins, prostacyclin and thromboxane in different layers of the kidneys of old rats] Efendiev AM, et al. **Farmakol Toksikol** 1986 May-Jun;49(3):60-3 (Eng. Abstr.) **(Rus)**

[Kinetic model and mechanism of regulation of a multienzyme system of thromboxane synthesis] Varfolomeev SD, et al. **Mol Biol (Mosk)** 1985 Nov-Dec; 19(6):1648-60 (Eng. Abstr.) **(Rus)**

BLOOD

Monitoring thromboxane production in vivo: metabolic and analytical aspects. Granström E, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:67-70

Streptococcus pneumoniae-induced alterations in levels of circulating thromboxane and prostacyclin: dissociation from granulocytopenia, thrombocytopenia, and pulmonary leukostasis. Goldblum SE, et al. **J Infect Dis** 1986 Jan; 153(1):71-7

Ibuprofen prevents Pasteurella hemolytica endotoxin-induced changes in plasma prostanoids and serotonin, and fever in sheep. Emau P, et al. **J Vet Pharmacol Ther** 1985 Dec;8(4):352-61

Inhibition of platelet aggregation and thromboxane production by pinacidil. Goodman RP, et al. **Prostaglandins Leukotrienes Med** 1985 Aug;19(2):115-22

Effects of aspirin and alcohol on platelet thromboxane synthesis and vascular prostacyclin synthesis. James MJ, et al. **Thromb Res** 1985 Sep 1;39(5):587-93

Characterization of U46619 binding in unactivated, intact human platelets and determination of binding site affinities of four TXA2/PGH2 receptor antagonists (13-APA, BM 13.177, ONO 3708 and SQ 29,548). Kattelman EJ, et al. **Thromb Res** 1986 Feb 15;41(4):471-81

[Effect of the complex treatment of stable stenocardia on the status of the prostacyclin-thromboxane system] Khimenko PL. **Ter Arkh** 1986;58(5):95-8 (Eng. Abstr.) **(Rus)**

HISTORY

Nutrition classics. Proceedings of the National Academy of Sciences of the United States of America, August 1975, Volume 72: Thromboxanes: a new group of biologically active compounds derived from prostaglandin endoperoxides. By Mats Hamberg, Jan Svensson, and Bengt Samuelsson. **Nutr Rev** 1986 Jun;44(6):208-11

METABOLISM

Thromboxane release during percutaneous transluminal coronary angioplasty. Peterson MB, et al. **Am Heart J** 1986 Jan;111(1):1-6

Hypersensitive prostaglandin and thromboxane response to hormones in rabbit colitis. Zipser RD, et al. **Am J Physiol** 1985 Oct;249(4 Pt 1):G457-63

Thromboxane (TX)A3 and prostaglandin (PG)I3 are formed in man after dietary eicosapentaenoic acid: identification and quantification by capillary gas chromatography-electron impact mass spectrometry. Fischer S, et al. **Biomed Mass Spectrom** 1985 Sep; 12(9):470-6

[Metabolic pathways of arachidonic acid: prostaglandins, thromboxane and leukotrienes] Maclouf J. **Arch Mal Coeur** 1985 Dec;78 Spec No:21-7 (Eng. Abstr.)

(Fre)

PHARMACODYNAMICS

Effects of acute and chronic ethanol exposure on the response of rat aorta to a thromboxane mimic, U46619. Karanian JW, et al. **Alcoholism (NY)** 1986 Mar-Apr;10(2):171-6

PHYSIOLOGY

Thromboxanes as mediators of cardiovascular disease states. Lefer AM, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:473-5

Prostacyclin/thromboxane-mediated mechanisms in platelet-vascular wall interactions. Moncada S. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:507-12

Cardiac anaphylaxis: Part II: The role of prostaglandins, thromboxanes and leukotrienes in C.A. Da Silva Machado FR, et al. **Allergol Immunopathol (Madr)** 1985 Jul-Aug; 13(4):335-50 (37 ref.)

Eicosanoids in experimental and human renal disease. Stork JE, et al. **Am J Med** 1986 Jan 17;80(1A):34-45 (86 ref.)

The binding of leukotriene C4 and leukotriene D4 to membranes of a smooth muscle cell line (BC3H1) and evidence that leukotriene induced contraction in these cells is mediated by thromboxane, protein and RNA syntheses. Clark MA, et al. **Eur J Pharmacol** 1985 Oct 22; 116(3):207-20

Role of thromboxane, prostaglandins and leukotrienes in endotoxic and septic shock. Ball HA, et al. **Intensive Care Med** 1986;12(3):116-26 (119 ref.)

Biologic interaction of prostaglandin, thromboxane and prostacyclin: potential clinical applications. Bell TG, et al. **J Environ Pathol Toxicol Oncol** 1986 Mar-Apr; 6(3-4):191-201 (55 ref.)

Contribution of endogenous vasoactive compounds to renal vascular resistance in neonatal chronic partial ureteral obstruction. Chevalier RL, et al. **J Urol** 1986 Aug; 136(2):532-5

Interactions between leukotrienes and other eicosanoids. Sirois P, et al. **Prog Clin Biol Res** 1985;199:75-84

Prostaglandins, thromboxanes, and leukotrienes in inflammation. Malmsten CL. **Semin Arthritis Rheum** 1985 Nov;15(2 Suppl 1):29-35 (92 ref.)

Biological properties of prostacyclin-thromboxane system. Blaskó G. **Ther Hung** 1984;32(2):45-51

Navigating the sea of eicosanoids [editorial] Burrall BA, et al. **West J Med** 1985 Oct;143(4):516-7

[Physiology of the interactions of blood and the blood vessel wall. Role of pharmacologically active lipids] Hemmendinger S, et al. **Arch Mal Coeur** 1985 Dec;78 Spec No:29-36 (Eng. Abstr.) (Fre)

[Role of prostaglandins and thromboxanes in cardiovascular physiopathology] Maclouf J, et al. **Presse Med** 1985 Sep 14;14(30):1603-6 (Eng. Abstr.) (Fre)

SECRETION

Byssinosis: In vitro release of prostaglandin and thromboxane from lung tissue and polymorphonuclear leukocytes induced by cotton dust and bract extracts. Mundie TG, et al. **Environ Res** 1985 Dec;38(2):400-6

URINE

Analysis of urinary metabolites of thromboxane and prostacyclin by negative-ion chemical-ionization gas chromatography/mass spectrometry. FitzGerald GA, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:87-90

Influence of insulin on urinary eicosanoid excretion in rats with experimental diabetes mellitus. Quilley J, et al. **J Pharmacol Exp Ther** 1986 Aug;238(2):606-11

THRUSH see CANDIDIASIS, ORAL

THULIUM

PHARMACODYNAMICS

The influence of isotopic and nonisotopic carriers on the biodistribution and biokinetics of M3+-citrate complexes. Schomäcker K, et al. **Eur J Nucl Med** 1986;11(9):345-9

THUMB

Skeletal muscle function in chronic renal failure: an index of nutritional status. Berkelhammer CH, et al. **Am J Clin Nutr** 1985 Nov;42(5):845-54

The false cortical thumb. Skoglund RR, et al. **Am J Dis Child** 1986 Apr;140(4):375-6

Neuromuscular blockade monitoring comparing the orbicularis oculi and adductor pollicis muscles. Caffrey RR, et al. **Anesthesiology** 1986 Jul;65(1):95-7

Epithelioid sarcoma--a case report. Phillips T, et al. **Clin Exp Dermatol** 1986 Mar;11(2):169-72

Chondrosarcoma of the thumb: an unusual case with lung and cutaneous metastases and death of the patient 6 years after treatment. Karabela-Bouropoulou V, et al. **J Cancer Res Clin Oncol** 1986;112(1):71-4

A giant cell tumor of the thumb: a case report. Olazabal A, et al. **J Hand Surg [Am]** 1986 Jan;11(1):56-8

Chronic sesamoiditis of the thumb: pathomechanics and treatment. Parks BJ, et al. **J Hand Surg [Am]** 1986 Mar; 11(2):237-40

Trigger thumb of de Quervain's disease. Viegas SF. **J Hand Surg [Am]** 1986 Mar;11(2):235-7

Chondrosarcoma of the thumb. A case report of treatment with preservation of function. Calvert PT, et al. **J Hand Surg [Br]** 1985 Oct;10(3):415-7

Dupuytren's disease in the thumb: two cases of a central cord. Cleland H, et al. **J Hand Surg [Br]** 1986 Feb; 11(1):68-70

Isolated palsy of the nerve to flexor pollicis longus. Klugman DJ, et al. **J Hand Surg [Br]** 1986 Feb;11(1):133-4

Metastasis to the hand. Vijayakumar S, et al. **J Natl Med Assoc** 1986 May;78(5):441-2

Metastatic melanoma, or is it? Back L, et al. **Plast Reconstr Surg** 1986 Jan;77(1):138-40

[Fascicular arrangement of the intrinsic muscles of the thumb] Kuhlmann JN, et al. **Bull Assoc Anat (Nancy)** 1985 Mar; 69(204):29-41 (Eng. Abstr.) (Fre)

[Bone metastasis of the thumb of pseudo-angiomatous form. Apropos of a case] Battistelli JM, et al. **J Radiol** 1985 Aug-Sep;66(8-9):551-3 (Eng. Abstr.) (Fre)

[Thumb localizing test--examination for a disturbance of articular localization] Hirayama K, et al. **Rinsho Shinkeigaku** 1986 May;26(5):448-54 (Eng. Abstr.) (Jpn)

ABNORMALITIES

Effective use of portions of the supernumerary digit to correct polydactyly of the thumb. Nakamura J, et al. **Ann Plast Surg** 1985 Jul;15(1):7-13

The Aase syndrome. Case report and review of the literature. Muis N, et al. **Eur J Pediatr** 1986 Apr;145(1-2):153-7

Congenital flexion deformities of the thumb. McCarroll HR Jr. **Hand Clin** 1985 Aug;1(3):567-75

Polydactyly. Simmons BP. **Hand Clin** 1985 Aug;1(3):545-65 (86 ref.)

Classification of thumb hypoplasia. Tajima T. **Hand Clin** 1985 Aug;1(3):577-94

Congenital hypoplasia of the thumb ray with absent carpal navicular and hypertrophic styloid process of the radius: a case report. Hall RF Jr, et al. **J Hand Surg [Am]** 1986 Jan;11(1):32-5

Congenital clasped thumb: a review of forty-three cases. Tsuyuguchi Y, et al. **J Hand Surg [Am]** 1985 Sep; 10(5):613-8

[The clue of the missing thumb] Versteegh FG, et al. **Ned Tijdschr Geneeskd** 1985 Sep 14;129(37):1790-3 (Eng. Abstr.) (Dut)

[Intersesamoid resection-suture of the metacarpophalangeal joint of the thumb. Sesamoidorrhaphy of the metacarpophalangeal joint of the thumb] Kapandji A. **Ann Chir Main** 1985;4(4):333-6 (Eng. Abstr.) (Fre)

["Snapping finger" in childhood: etiopathogenesis, pathologic anatomy, therapy] Guzzanti V, et al. **Arch Putti Chir Organi Mov** 1984;34:11-7 (Eng. Abstr.) (Ita)

BLOOD SUPPLY

The arterial supply of the thumb, first web and index finger and its surgical application. Earley MJ. **J Hand Surg [Br]** 1986 Jun;11(2):163-74

INJURIES

The great-toe-to-thumb transfer. Faust DC, et al. **Ala J Med Sci** 1986 Jan;23(1):88-91

Skiers' thumb injuries associated with flared ski pole handles. Primiano GA. **Am J Sports Med** 1985 Nov-Dec; 13(6):425-7

Treatment of mallet thumb. McCarten GM, et al. **Aust NZ J Surg** 1986 Mar;56(3):285-6

Coverage of the degloved thumb with twin neurovascular island flaps: a case report. Chen H, et al. **Br J Plast Surg** 1986 Apr;39(2):255-6

Matching the lost skin of a homicide suspect. Perper JA, et al. **Forensic Sci Int** 1985 Sep-Oct;29(1-2):77-82

Osteocutaneous flaps for thumb and digit reconstruction. In unique situations. Coleman DA, et al. **Hand Clin** 1985 Nov; 1(4):717-28

Repair of the flexor pollicis longus. Urbaniak JR. **Hand Clin** 1985 Feb;1(1):69-76

Conservative treatment for a ruptured extensor tendon on the dorsum of the proximal phalanges of the thumb (mallet thumb). Miura T, et al. **J Hand Surg [Am]** 1986 Mar; 11(2):229-33

Painful subluxation of the carpometacarpal joint of the thumb in Ehlers-Danlos syndrome. Moore JR, et al. **J Hand Surg [Am]** 1985 Sep;10(5):661-3

Conservative treatment of mallet thumb. Patel MR, et al. **J Hand Surg [Am]** 1986 Jan;11(1):45-7

Conservative treatment of two cases of mallet thumb. Primiano GA. **J Hand Surg [Am]** 1986 Mar;11(2):233-5

Avulsion injuries of the thumb. Vlastou C, et al. **J Hand Surg [Am]** 1986 Jan;11(1):51-6

Fracture of the ulnar sesamoid of the metacarpophalangeal joint of the thumb--an arthrographic study. Bell MJ, et al. **J Hand Surg [Br]** 1985 Oct;10(3):379-81

Haemorrhagic, traumatic tenosynovitis. Dacruz DJ, et al. **J Hand Surg [Br]** 1986 Jun;11(2):223-4

Microsurgical revascularisation of the thumb pulp with a discussion of the venous drainage of the thumb. Earley MJ. **J Hand Surg [Br]** 1985 Oct;10(3):347-50

Volar dislocation of the metacarpophalangeal joint of the thumb--a case report. Miyamoto M, et al. **J Hand Surg [Br]** 1986 Feb;11(1):51-4

Cross finger flap. A new technique. Sućur D, et al. **J Hand Surg [Br]** 1985 Oct;10(3):425-9

Total thumb reconstruction by an index finger transposition. Takami H, et al. **J Hand Surg [Br]** 1986 Feb;11(1):31-4

Bennett's fractures fixed using the Herbert scaphoid screw. Hughes AW. **J R Coll Surg Edinb** 1985 Aug;30(4):231-3

Vascular variations and their treatment in toe transplantation. Gu YD, et al. **J Reconstr Microsurg** 1985 Jan;1(3):227-32

Reconstruction of the thumb by a free pedal neurovascular flap and composite phalanx-joint-tendon homograft: a preliminary report. Huang SL, et al. **J Reconstr Microsurg** 1985 Jul;1(4):299-303

Functional comparison between pollicization and toe-to-hand transfer for thumb reconstruction. Michon J, et al. **J Reconstr Microsurg** 1984 Oct;1(2):103-12

Reconstruction of the thumb by free skin flap of the big toe. Yu ZJ, et al. **J Reconstr Microsurg** 1984 Oct;1(2):155-9

Aeromonas hydrophila hand infection complicating an open Rolando fracture: a case report. Sambandan S. **Med J Malaysia** 1985 Mar;40(1):38-40

Poster presenter's thumb [letter] Preheim LC. **N Engl J Med** 1986 Jun 5;314(23):1518

Thumb reconstruction by free microvascular transfer of an injured index finger. Bartlett SP, et al. **Plast Reconstr Surg** 1986 Apr;77(4):660-3

Pollicization for thumb reconstruction in severe pediatric hand burns. Ward JW, et al. **Plast Reconstr Surg** 1985 Dec; 76(6):927-32

[Reconstruction of the thumb using the Matev distraction method] Mañák P. **Rozhl Chir** 1985 Sep;64(8-9):605-11 (Eng. Abstr.) (Cze)

[Hueston's flap for reconstruction of loss of distal thumb substance] Foucher G, et al. **Ann Chir Main** 1985; 4(3):239-41 (Eng. Abstr.) (Fre)

[Simultaneous functional bilateral radiographies of the metacarpophalangeal joint of the thumb in hyper-pronation] Heim U. **Ann Chir Main** 1982;1(2):183-6 (Eng. Abstr.) (Fre)

[Current possibilities of thumb reconstruction] Brüser P. **Chirurg** 1985 Oct;56(10):635-43 (Ger)

[Late results of flexor tendon sutures in a "no man's land" of the hand] Biró V, et al. **Handchir Mikrochir Plast Chir** 1986 Mar;18(2):73-6 (Eng. Abstr.) (Ger)

[Thumb joint replantations without venous anastomosis. Report of 3 cases] Genelin F, et al. **Handchir Mikrochir Plast Chir** 1985 Sep;17(5):290-2 (Eng. Abstr.) (Ger)

[Replantation of the thumb after its traumatic amputation] Stepanov GA, et al. **Khirurgiia (Mosk)** 1985 Nov;(11):9-13 (Eng. Abstr.) (Rus)

INNERVATION

Evaluation of sensibility after sensory reconstruction of the thumb. Hirasawa Y, et al. **J Bone Joint Surg [Br]** 1985 Nov;67(5):814-9

[Atypical clinical picture of median nerve damage related to its developmental anomaly] Sankowski A, et al. **Chir Narzadow Ruchu Ortop Pol** 1985;50(2):126-9 (Eng. Abstr.) (Pol)

PHYSIOLOGY

Thumb push forces exertable by free-standing subjects. Winters JA, et al. **Ergonomics** 1986 Jul;29(7):893-902

The effect of thumb interphalangeal joint position on strength of key pinch. Apfel E. **J Hand Surg [Am]** 1986 Jan; 11(1):47-51

[Clinical test of apposition and counter-apposition of the thumb] Kapandji A. **Ann Chir Main** 1986;5(1):67-73 (Eng. Abstr.) (Fre)

RADIOGRAPHY

Patient-induced stress test of the first metacarpophalangeal joint: a radiographic assessment of collateral ligament injuries. Downey EF Jr, et al. **Radiology** 1986 Mar; 158(3):679-83

[Technic of arthrography of the thumb saddle joint] Kretschmer F. **Beitr Orthop Traumatol** 1985 Aug; 32(8):416-9 (Eng. Abstr.) (Ger)

[Roentgen imaging of the thumb saddle joint for diagnosis of peritrapezial arthrosis] Kretschmer F. **Zentralbl Chir** 1985;110(19):1205-10 (Ger)

SURGERY

Reanimation of thumb opposition by the extensor pollicis longus. Report of sixteen cases. Moutet F, et al. **Ann Chir Main** 1986;5(1):36-41 (Eng, Fre)

Thumb reconstruction with free big toe skin-nail flap and bones, joints, and tendons of the second toe--report of the cases. Yu ZJ, et al. **Chin Med J [Engl]** 1985 Dec; 98(12):863-7

Method of reconstructing thumb, index and/or middle finger for digitless hands. Yu ZJ, et al. **Chin Med J [Engl]** 1985 Dec;98(12):868-72

Complications following surgery on the basal joint of the thumb. Burton RI. **Hand Clin** 1986 May;2(2):265-9 (49 ref.)

Thumb reconstruction using second-toe transfer. Leung PC. **Hand Clin** 1985 May;1(2):285–95

Great toe-to-hand free tissue transfer for thumb reconstruction. May JW Jr, et al. **Hand Clin** 1985 May; 1(2):271–84

Problems and complications encountered in replantation surgery. Strauch B, et al. **Hand Clin** 1986 May;2(2):389–99 (57 ref.)

Wrap-around procedure for thumb reconstruction. Urbaniak JR. **Hand Clin** 1985 May;1(2):259–69

Thumb reconstruction by microsurgery. Urbaniak JR. **Instr Course Lect** 1984;33:425–46

Contracture of all the intrinsic muscles in the first intermetacarpal space. Liu ZZ, et al. **Int Orthop** 1985; 9(2):111–3

"Improved exposure for arterial repair and thumb reimplantation" [letter] Bell MS. **J Hand Surg [Am]** 1986 Mar;11(2):298

The extensor sling procedure for an unstable carpometacarpal joint. Biddulph SL. **J Hand Surg [Am]** 1985 Sep;10(5):641–5

Surgical management of basal joint arthritis of the thumb. Part II. Ligament reconstruction with tendon interposition arthroplasty. Burton RI, et al. **J Hand Surg [Am]** 1986 May; 11(3):324–32

Trapezium implant arthroplasty [letter] Clark GL. **J Hand Surg [Am]** 1986 Jul;11(4):613

Tendon interposition arthroplasty for degenerative arthritis of the trapeziometacarpal joint of the thumb. Eaton RG, et al. **J Hand Surg [Am]** 1985 Sep;10(5):645–54

Trapezium implant arthroplasty: evaluation of a semiconstrained implant. Ho PK, et al. **J Hand Surg [Am]** 1985 Sep;10(5):654–60

Index finger pollicization for a congenitally absent or nonfunctioning thumb. Manske PR, et al. **J Hand Surg [Am]** 1985 Sep;10(5):606–13

Surgical management of basal joint arthritis of the thumb. Part I. Long-term results of silicone implant arthroplasty. Pellegrini VD Jr, et al. **J Hand Surg [Am]** 1986 May; 11(3):309–24

Trapezio-metacarpal arthrodesis today: why? Cavallazzi RM, et al. **J Hand Surg [Br]** 1986 Jun;11(2):250–4

Partial thumb reconstruction using the proximal skin paddle radial artery island flap. Matti BA, et al. **J Hand Surg [Br]** 1986 Feb;11(1):35–9

Evolution of toe-to-hand transfer. Hiers C, et al. **J Tenn Med Assoc** 1985 Sep;78(9):556–8

Circulatory crisis in free toe-to-hand transfer and its management. Gu YD, et al. **J Tongji Med Univ** 1986; 6(2):71–4

Basal joint arthritis. Fusion, implant, or soft tissue reconstruction? Burton RI. **Orthop Clin North Am** 1986 Jul;17(3):493–503 (48 ref.)

Thumb reconstruction—an algorithm. Koman LA, et al. **Orthopedics** 1986 Jun;9(6):873–8

Modified moberg opponensplasty in acquired spastic hemiplegia. Pinzur MS, et al. **Orthopedics** 1985 Sep; 8(9):1151–2

[Changes in skin temperature after toe transplantation in thumb injuries] Zhi JD. **Chung Hua Hu Li Tsa Chih** 1986 Feb;21(1):10–2 **(Chi)**

[Total trapezoid-metacarpal prosthesis after 10 years] de la Caffiniere JY, et al. **Acta Orthop Belg** 1985 Jul-Aug; 51(4):699–706 (Eng. Abstr.) **(Fre)**

[Reconstruction of a thumb] Revol M. **Ann Chir Plast Esthet** 1985;30(4):384–7 (Eng. Abstr.) **(Fre)**

[Destruction of the saddle joint in scleroderma with multiple calcium deposits (Thibièrge-Weissenbach syndrome)] Helbig B, et al. **Handchir Mikrochir Plast Chir** 1985 Nov; 17 Suppl:53–5 (Eng. Abstr.) **(Ger)**

[The thumb saddle joint] Gschwend N, et al. **Orthopade** 1986 Apr;15(2):150–9 (Eng. Abstr.) **(Ger)**

[Reconstruction of the thumb] Miura T. **Nippon Seikeigeka Gakkai Zasshi** 1985 Aug;59(8):873–84 **(Jpn)**

[Thumb replantations] Hetland KR, et al. **Tidsskr Nor Laegeforen** 1985 Dec 10;105(34–36):2464–7, 2490 (Eng. Abstr.) **(Nor)**

THUMBSUCKING see **FINGERSUCKING**

THYME see **HERBS**

THYMECTOMY

Immunohistochemical and electron microscopic changes in the endocrine pancreas after thymectomy. Zafirova M, et al. **Acta Diabetol Lat** 1985 Oct-Dec;22(4):327–34

Effect of thymectomy in immune diseases other than myasthenia. Szobor A, et al. **Acta Med Hung** 1985; 42(3–4):101–8

Thymectomy in late-onset myasthenia gravis. Mikkelsen B. **Acta Neurol Scand** 1986 Jun;73(6):633–5

Chronic relapsing experimental allergic neuritis in Lewis rats: effects of thymectomy and splenectomy. Craggs RI, et al. **Acta Neuropathol (Berl)** 1986;70(1):22–9

Influence of 90Sr, adult thymectomy and antilymphocyteglobulin on haematopoietic tissues and peripheral blood leucocytes in CBA mice. Bierke P. **Acta Radiol [Oncol]** 1986 Mar-Apr;25(2):147–54

Effect of thymectomy on blood T-cell subsets in myasthenia gravis. Cox A, et al. **Ann Neurol** 1986 Mar;19(3):297–8

Anaesthesia for transcervical thymectomy in myasthenia gravis [letter] Eisencraft JB. **Ann R Coll Surg Engl** 1985 Nov;67(6):385

Thymectomy. Surgical procedure for myasthenia gravis. Mulder DG, et al. **AORN J** 1986 Mar;43(3):640–6

The effect of thymectomy on immunological tolerance to human serum albumin in chickens. Karakoz I, et al. **Arch Immunol Ther Exp (Warsz)** 1985;33(5):673–6

Clinical use of atracurium in myasthenia gravis: a case report. Ramsey FM, et al. **Can Anaesth Soc J** 1985 Nov;32(6):642–5

Recurrence of thymic hyperplasia after trans-sternal thymectomy in myasthenia gravis. Rosenberg M, et al. **Chest** 1986 Jun;89(6):888–9

Re: Postoperative ventilatory dependency following thymectomy for myasthenia gravis [letter] Graham TR, et al. **Cleve Clin Q** 1986 Spring;53(1):115–6

Hypertrophic gastritis with hypergastrinemia and protein loss after neonatal thymectomy in mice. Kubota H, et al. **Gastroenterol Jpn** 1986 Apr;21(2):122–8

Macrophage Ia expression in athymic nude versus neonatally thymectomized mice. Koga T, et al. **Immunobiology** 1986 Mar;171(1–2):67–76

Thymectomy for myasthenia gravis: a fourteen-year experience. Sghirlanzoni A, et al. **Ital J Neurol Sci** 1985 Dec;6(4):425–8

Thymectomy in myasthenia gravis. Karbhase JN, et al. **J Postgrad Med** 1985 Apr;31(2):83–8

Thymectomy for renal transplantation—a late follow up. Birkeland SA. **Thymus** 1986;8(3):187–9

Impaired rejection of minor-histocompatibility-antigen-disparate skin grafts and acquisition of tolerance to thymus donor antigens in allothymus-implanted, thymectomized Xenopus. Arnall JC, et al. **Transplantation** 1986 Jun;41(6):766–76

Allograft rejection and immune responses against allogeneic antigens in neonatally thymectomized mice. Nomoto K, et al. **Transplantation** 1986 Feb;41(2):209–13

Thymectomy for myasthenia gravis. Moorehead RJ, et al. **Ulster Med J** 1985 Oct;54(2):176–80

[Combination of tiapride and ketamine in anesthesia for transsternal thymectomy in myasthenia gravis] Saraiva PA, et al. **Ann Chir** 1985 Sep;39(6):391–5 (Eng. Abstr.) **(Fre)**

[The role of thymectomy in the treatment of myasthenia gravis] Givel JC, et al. **Helv Chir Acta** 1986 Jun; 53(1–2):39–42 (Eng. Abstr.) **(Fre)**

[Clinical examination of thymic abnormalities and thymectomy in patients with ulcerative colitis] Yoshimatsu H, et al. **Nippon Geka Gakkai Zasshi** 1985 Sep;86(9):1301–3 (Eng. Abstr.) **(Jpn)**

[Status of the cellular immunity of patients with the generalized form of myasthenia at remote periods after thymectomy] Kuzin MI, et al. **Khirurgiia (Mosk)** 1985 Sep; (9):65–9 (Eng. Abstr.) **(Rus)**

[Preoperative care and postoperative treatment of patients with myasthenia gravis] Skripnichenko DF, et al. **Klin Khir** 1985;(12):6–9 (Eng. Abstr.) **(Rus)**

[Effect of thymectomy on the endocrine function of the adrenal cortex and testes in rats] Podosinnikov IS, et al. **Probl Endokrinol (Mosk)** 1986 May-Jun;32(3):60–2 (Eng. Abstr.) **(Rus)**

[Thymectomy in myasthenia gravis—half of the operated patients get better] Molde A, et al. **Lakartidningen** 1985 Oct 2;82(40):3401–2 **(Swe)**

ADVERSE EFFECTS

[A case of systemic lupus erythematosus following thymectomy for myasthenia gravis] Ohnishi K, et al. **Ryumachi** 1985 Nov;25(5):355–61 (Eng. Abstr.) **(Jpn)**

METHODS

Cervical thymectomy in the treatment of myasthenia gravis [letter] Papatestas AE, et al. **Ann R Coll Surg Engl** 1986 Mar;68(2):116

[Simultaneous total thyroidectomy and thymectomy in myasthenia gravis associated with cancer of the thyroid gland] Briusov PG. **Grudn Khir** 1985 Sep-Oct;(5):83–4 **(Rus)**

[Transthoracic approach to the thymus gland] Ratner GL. **Vestn Khir** 1985 Oct;135(10):19–21 (Eng. Abstr.) **(Rus)**

THYMIC FACTOR, CIRCULATING see under **THYMUS HORMONES**

THYMIC GROUP VIRUSES see **MOUSE LEUKEMIA VIRUSES**

THYMIC HORMONES see **THYMUS HORMONES**

THYMIDINE

Sensitized photo-oxidation of thymidine by 2-methyl-1,4-naphthoquinone. Characterization of the stable photoproducts. Decarroz C, et al. **Int J Radiat Biol** 1986 Sep;50(3):491–505

Role of thymidine residues in DNA recognition by the EcoRI and EcoRV restriction endonucleases. Fliess A, et al. **Nucleic Acids Res** 1986 Apr 25;14(8):3463–74

C4-methylideoxythymidine replacing deoxythymidine in poly[d(A–T)] renders the polymer resistant to the 3'——5' exonuclease activity of the Klenow and T4 DNA polymerases. Singer B. **Nucleic Acids Res** 1986 Aug 26; 14(16):6735–43

ADMINISTRATION & DOSAGE

Labelling of retinal capillaries in mice by repeated [3H]thymidine injections. Naeser P, et al. **Acta Ophthalmol (Copenh)** 1986 Feb;64(1):9–11

Chemotherapeutic efficacy of 5-fluorouracil with concurrent thymidine infusion against transplantable colon tumors in rodents. Danhauser LL, et al. **Cancer Drug Deliv** 1984 Fall; 1(4):269–82

Phase I clinical and pharmacological study of thymidine (NSC 21548) and cis-diamminedichloroplatinum(II) in patients with advanced cancer. Schilsky RL, et al. **Cancer Res** 1986 Aug;46(8):4184–8

Biochemical modulation: application of laboratory models to the clinic. Leyland-Jones B, et al. **Cancer Treat Rep** 1986 Jan;70(1):219–29 (116 ref.)

ANALOGS & DERIVATIVES

5-Hydroxymethyl-2'-deoxyuridine. Cytotoxicity and DNA incorporation studied by using a novel [2-14C]-derivative with normal and leukemic human hematopoietic cells. Kahilainen LI, et al. **Acta Chem Scand [B]** 1985; 39(6):477–84

Pentafluorobenzylation of O4-ethylthymidine and analogues by phase-transfer catalysis for determination by gas chromatography with electron capture detection. Adams J, et al. **Anal Chem** 1986 Feb;58(2):345–8

Production of herpes simplex virus type 1 thymidine kinase in the presence of thymidine analogues. Zucker MI, et al. **Antiviral Res** 1986 Mar;6(2):69–81

Association of trifluorothymidine and débridement in herpetic dendritic keratitis [letter] Herbort CP, et al. **Arch Ophthalmol** 1985 Oct;103(10):1456

Effects of some inhibitors of DNA synthesis and repair upon the cycle of serotonin N-acetyltransferase activity in cultured chick pineal glands. Wainwright SD, et al. **Biochem Cell Biol** 1986 Apr;64(4):344–55

Crystal structure of the promutagen O4-methylthymidine: importance of the anti conformation of the O(4) methoxy group and possible mispairing of O4-methylthymidine with guanine. Brennan RG, et al. **Biochemistry** 1986 Mar 11; 25(5):1181–5

5'-Haloacetamido-5'-deoxythymidines: novel inhibitors of thymidylate synthase. Sani BP, et al. **Biochim Biophys Acta** 1986 Apr 11;881(2):175–84

Effect of intrauterine growth retardation on developmental changes in DNA and [14C]thymidine metabolism in different regions of rat brain: histological and biochemical correlations. Chanez C, et al. **Brain Res** 1985 Aug; 353(2):283–92

Preferential stimulation of iododeoxyuridine phosphorylation by 5'-aminothymidine in human bladder cancer cells in vitro. Fischer PH, et al. **Cancer Res** 1986 Sep;46(9):4522–6

Extent of formation of O4-methylthymidine in calf thymus DNA methylated by N-methyl-N-nitrosourea and lack of repair of this product by rat liver O6-alkylguanine-DNA-alkyltransferase. Dolan ME, et al. **Carcinogenesis** 1985 Nov;6(11):1611–4

Correlation of O4-ethyldeoxythymidine accumulation, hepatic initiation and hepatocellular carcinoma induction in rats continuously administered diethylnitrosamine. Dyroff MC, et al. **Carcinogenesis** 1986 Feb;7(2):241–6

The incorporation of O6-methyldeoxyguanosine monophosphate and O4-methyldeoxythymidine monophosphate into polynucleotide templates leads to errors during subsequent in vitro DNA synthesis. Saffhill R, et al. **Chem Biol Interact** 1985 Dec 31;56(2–3):363–70

Efficacy of glycoprotein inhibitors alone and in combination with trifluridine in the treatment of murine herpetic keratitis. Gordon YJ, et al. **Curr Eye Res** 1986 Feb;5(2):93–9

Chromosome analysis of trifluorothymidine-resistant L5178Y mouse lymphoma cell colonies. Blazak WF, et al. **Environ Mutagen** 1986;8(2):229–40

Cinnamoylation of the sugar hydroxyls of 3-methylthymidine. Formation of a relatively stable ester derivative. Adams J, et al. **J Chromatogr** 1985 Oct 25; 347(1):99–107

Determination of ophthalmic therapeutic trifluorothymidine and its degradation product by reversed-phase high-performance liquid chromatography. Balansard G, et al. **J Chromatogr** 1985 Nov 27;348(1):299–303

Reactive 5'-substituted thymidine derivatives as potential inhibitors of nucleotide biosynthesis. Elliott RD, et al. **J Med Chem** 1986 Jun;29(6):1052–6

Carbocyclic analogues of 5'-amino-5'-deoxy- and 3'-amino-3'-deoxythymidines. Shealy YF, et al. **J Med Chem** 1986 Apr;29(4):483–8

Effects of 2'-chlorothymidine on Chinese hamster cells irradiated with X-rays and ultraviolet light. Murai T, et al. **J Radiat Res (Tokyo)** 1985 Jun;26(2):233–7

Administration of 3'-azido-3'-deoxythymidine, an inhibitor of HTLV-III/LAV replication, to patients with AIDS or AIDS-related complex. Yarchoan R, et al. **Lancet** 1986 Mar 15;1(8481):575–80

Absence of deoxyuridine and 5-hydroxymethyldeoxyuridine in the DNA from three tissues of mice of various ages. Kirsh ME, et al. **Mech Ageing Dev** 1986 Jun;35(1):71–7

Comparison of the mutagenic activity of 5-hydroxymethyldeoxyuridine with 5-substituted 2'-deoxyuridine analogs in the Ames

Salmonella/microsome test. Bilimoria MH, et al. **Mutat Res** 1986 Mar;169(3):123–7

Thymidine kinase activity and trifluorothymidine resistance of spontaneous and mutagen–induced L5178Y cells in RPMI 1640 medium. Oberly TJ, et al. **Mutat Res** 1986 Jul;161(2):165–71

C4–methyldeoxythymidine replacing deoxythymidine in poly[d(A–T)] renders the polymer resistant to the 3'——5' exonuclease activity of the Klenow and T4 DNA polymerases. Singer B. **Nucleic Acids Res** 1986 Aug 26; 14(16):6735–43

Combined treatment of herpetic dendritic keratitis with blunt spatula debridement and trifluorothymidine. Herbort CP, et al. **Ophthalmologica** 1985;191(4):218–22

3'–Azido–3'–deoxythymidine (BW A509U): an antiviral agent that inhibits the infectivity and cytopathic effect of human T–lymphotropic virus type III/lymphadenopathy–associated virus in vitro. Mitsuya H, et al. **Proc Natl Acad Sci USA** 1985 Oct;82(20):7096–100

O4–Methyl, –ethyl, or –isopropyl substituents on thymidine in poly(dA–dT) all lead to transitions upon replication. Singer B, et al. **Proc Natl Acad Sci USA** 1986 Jan; 83(1):28–32

Central depressant activities of N3–allyluridine and N3–allylthymidine. Yamamoto I, et al. **Res Commun Chem Pathol Pharmacol** 1986 Jun; 52(3):321–32

Promising results halt trial of anti–AIDS drug [news] Barnes DM. **Science** 1986 Oct 3;234(4772):15–6

Senate votes to expand anti–AIDS drug trials. Barnes DM. **Science** 1986 Sep 26;233(4771):1382

AIDS drug shows promise in preliminary clinical trial [news] Marx JL. **Science** 1986 Mar 28;231(4745):1504–5

[Early treatment of ocular herpes simplex. Apropos of 6 cases of herpetic conjunctivitis] Colin J, et al. **J Fr Ophtalmol** 1985;8(12):801–2 (Eng. Abstr.) **(Fre)**

[Therapy of herpetic diseases of the anterior eye segment] Sundmacher R. **Klin Monatsbl Augenheilkd** 1985 Jun; 186(6):421–3 (Eng. Abstr.) **(Ger)**

ANALYSIS

[A simple radioimmunological method of determining thymidine in biological fluids] Podgorodnichenko VK, et al. **Vopr Med Khim** 1985 Jul–Aug;31(4):124–8 (Eng. Abstr.) **(Rus)**

BLOOD

[Effect of serum fractions on the incorporation of tritiated thymidine in activated lymphocytes: II. Comparison between cord blood and the blood of newborn infants] Schimpff RM, et al. **C R Acad Sci [III]** 1986;302(19):683–6 (Eng. Abstr.) **(Fre)**

[Effect of serum fractions on the incorporation of tritiated thymidine in activated lymphocytes: I. Human serum from normal adult subjects] Schimpff RM, et al. **C R Acad Sci [III]** 1986;302(18):651–3 (Eng. Abstr.) **(Fre)**

[Free thymidine in the blood serum of irradiated rats with different levels of cellular depletion of the thymus and spleen] Bryksina LE, et al. **Radiobiologiia** 1985 Sep–Oct; 25(5):590–2 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

A 3H–thymidine autoradiographic study of the development of the cerebellum of the White Leghorn (Gallus domesticus): "evidence for longitudinal neuroblast generation patterns". Feirabend HK, et al. **Acta Morphol Neerl Scand** 1985 Oct;23(2):115–26

Cell kinetic effects of incorporated 3H–thymidine on proliferating human lymphocytes: flow cytometric analysis using the DNA/nuclear protein method. Pollack A, et al. **Cytometry** 1985 Sep;6(5):428–36

In vitro thymidine labelling index in primary operable breast cancer. Holt S, et al. **Eur J Surg Oncol** 1986 Mar;12(1):53–7

Topical tritiated thymidine for epidermal growth fraction determination. Klein JA, et al. **J Invest Dermatol** 1986 Apr; 86(4):406–9

A simplified method for determination of tritiated thymidine incorporation into cells from tissue in soft agar culture. Akiyoshi T, et al. **Jpn J Surg** 1986 May;16(3):235–8

Reliability and stability of the thymidine labeling index of breast carcinoma. Meyer JS, et al. **Lab Invest** 1986 Feb; 54(2):160–4

METABOLISM

Distribution of 3H–thymidine in the postnatal hypophysis of the C57BL mouse. Wilson DB. **Acta Anat (Basel)** 1986; 126(2):121–6

Inhibition of 3H–thymidine incorporation by guanosine and deoxyguanosine in human lymphoid cells. van der Kraan PM, et al. **Adv Exp Med Biol** 1986;195 Pt A:547–51

Deoxythymidine and deoxycytidine incorporation into DNA in B leukemic cells. Vertongen F, et al. **Am J Hematol** 1986 Mar;21(3):323–6

Quinolones affect thymidine incorporation into the DNA of human lymphocytes. Forsgren A, et al. **Antimicrob Agents Chemother** 1986 Mar;29(3):506–8

Tritiated thymidine uptake in chondrocytes of chickens afflicted with tibial dyschondroplasia. Gay CV, et al. **Avian Dis** 1985 Oct–Dec;29(4):1224–9

Reversible permeabilization of lymphocytes destroys the incorporation of deoxythymidine but not of deoxycytidine. Taljanidisz J, et al. **Biochim Biophys Acta** 1986 Mar 14; 885(3):266–71

Patterns of [3H] thymidine incorporation differ in immature rats and mature, cycling rats. Hirshfield AN. **Biol Reprod** 1986 Feb;34(1):229–35

Soft agarose culture human tumour colony forming assay for drug sensitivity testing: [3H]–thymidine incorporation vs colony counting. Jones CA, et al. **Br J Cancer** 1985 Sep;52(3):303–10

Vanadate supplements and 1,2–dimethylhydrazine induced colon cancer in mice: increased thymidine incorporation without enhanced carcinogenesis. Kingsnorth AN, et al. **Br J Cancer** 1986 May;53(5):683–6

Bromocriptine inhibits incorporation of [3H]thymidine into rat pituitary tumor cells. Melmed S, et al. **Brain Res** 1986 Mar 26;369(1–2):83–90

The effect of bone cell stimulatory factors can be measured with thymidine incorporation only under specific conditions. Puzas JE, et al. **Calcif Tissue Int** 1986 Aug; 39(2):104–8

Development of a miniaturized, improved nucleic acid precursor incorporation assay for chemosensitivity testing of human solid tumors. Kern DH, et al. **Cancer Res** 1985 Nov;45(11 Pt 1):5436–41

Effects of calcium(II) and magnesium(II) on nickel(II) uptake and stimulation of thymidine incorporation into DNA in the lungs of strain A mice. Kasprzak KS, et al. **Carcinogenesis** 1985 Dec;6(12):1819–21

Lower rates of thymidine incorporation into DNA of skin fibroblasts from patients with adenomatosis of the colon and rectum. Pero RW, et al. **Carcinogenesis** 1986 Apr; 7(4):541–5

Enhancement of methylbenzylnitrosamine–induced esophageal carcinogenesis in zinc–deficient rats: effects on incorporation of [3H]thymidine into DNA of esophageal epithelium and liver. Schrager TF, et al. **Carcinogenesis** 1986 Jul;7(7):1121–6

Rate of loss of tritiated thymidine label in basal cells in mouse epithelial tissues. Bickenbach JR, et al. **Cell Tissue Kinet** 1986 May;19(3):325–33

Rate of incorporation of [3H]thymidine in various tissues of the mouse. A basis for the evaluation of genotoxic effects of chemicals. Hellman B, et al. **Cell Tissue Kinet** 1986 Mar; 19(2):183–94

In vitro thymidine labelling in human and porcine growth plates. Thurston MN, et al. **Cell Tissue Kinet** 1985 Nov; 18(6):575–82

Nucleoside incorporation as a function of hormone levels during the early phases of estrogen–induced genesis of medullary bone in the Japanese quail, Coturnix coturnix. Hunter SJ, et al. **Cell Tissue Res** 1985;242(3):565–8

DNA–synthesis in mechanically stimulated osteogenic tissue: an autoradiographic study using tritiated thymidine. Mörndal O. **Eur J Orthod** 1986 Feb;8(1):30–4

Effect of lectins on 3H–uridine and 3H–thymidine uptake by cultured renal cell carcinoma and normal renal cells. Bazeed MA, et al. **Eur Urol** 1986;12(2):117–22

Thymidine incorporation in nucleoside transport–deficient lymphoma cells. Aronow B, et al. **J Biol Chem** 1985 Dec 25;260(30):16274–8

Incorporation of [3H]thymidine by isolated fetal myoblasts and fibroblasts in response to human placental lactogen (HPL): possible mediation of HPL action by release of immunoreactive SM–C. Hill DJ, et al. **J Cell Physiol** 1985 Nov;125(2):337–44

Angiotensin II inhibition of mitogen– and antigen–induced human blood mononuclear cell thymidine uptake. Simon MR, et al. **J Clin Lab Immunol** 1985 Nov;18(3):141–4

Dexamethasone and 8–bromo–cyclic AMP depress the incorporation of [3H]thymidine into mouse condylar cartilage by different pathways. Kraiem Z, et al. **J Endocrinol** 1986 May;109(2):209–13

Incorporation of C14–thymidine and C14–uridine nucleosides into nucleic acid molecules in the liver of mice exposed to trivalent arsenic in drinking water. Beneš B, et al. **J Hyg Epidemiol Microbiol Immunol** 1985;29(4):347–51

Thymidine transport and metabolism in choroid plexus: effect of diazepam and thiopental. Spector R. **J Pharmacol Exp Ther** 1985 Oct;235(1):16–9

Quantitative analysis of in–vitro incorporation of [3H]thymidine into hamster follicles during the oestrous cycle. Roy SK, et al. **J Reprod Fertil** 1986 May; 77(1):143–52

Comparative studies of chemotherapy of human tumor cells in vitro by tritiated thymidine uptake inhibition and soft agar clonogenic assay. Zirvi KA, et al. **J Surg Oncol** 1986 Feb;31(2):123–6

Employment of a [3H]thymidine–incorporation assay to distinguish the effects of different Friend erythroleukemia–inducing retroviruses on erythroid cell proliferation. Ruscetti SK. **JNCI** 1986 Jul;77(1):241–5

Breast carcinoma cell kinetics, morphology, stage, and host characteristics. A thymidine labeling study. Meyer JS, et al. **Lab Invest** 1986 Jan;54(1):41–51

Rapid and complete degradation of thymidine by human peripheral blood platelets: implications for genotoxicity assays. Shaw T, et al. **Mutat Res** 1986 Oct;163(1):75–80

Metabolic breakdown of [3H]thymidine and the inability to measure human lymphocyte proliferation by incorporation of radioactivity. Bodycote J, et al. **Proc Natl Acad Sci USA** 1986 Jul;83(13):4749–53

Prolactin and growth hormone synthesis and thymidine incorporation in dissociated rat pituitary tumor cells. Lloyd RV, et al. **Proc Soc Exp Biol Med** 1986 Jan;181(1):18–23

Prognostic importance of labelling index in myelomatosis. Bjerrum OW, et al. **Scand J Haematol** 1985 Jul;35(1):20–1

Bone marrow mononuclear cell thymidine uptake in chronic B–lymphocytic leukaemia. Relation to prognosis. Juliusson G, et al. **Scand J Haematol** 1986 Apr;36(4):331–4

Incorporation of [35S]sulphate and [3H]thymidine into isolated bovine articular chondrocytes in vitro. Effect of autogenous conditioned synovial medium. Klämfeldt A. **Scand J Rheumatol** 1986;15(1):7–12

[3H–thymidine incorporation into the DNA of the nucleic factor in the ascitic fluid of Ehrlich cancer] Belokhvostov AS. **Eksp Onkol** 1985;7(6):50–3 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Excess thymidine induces folate sensitive fragile sites. Sutherland GR, et al. **Am J Med Genet** 1985 Oct; 22(2):433–43

Effects of uridine and thymidine on the degradation of 5–fluorouracil, uracil, and thymine by rat liver dihydropyrimidine dehydrogenase. Tuchman M, et al. **Cancer Res** 1985 Nov;45(11 Pt 1):5553–6

Intratumoral injection of thymidine: enhancement of the antitumor activity and incorporation of 5–fluorouracil into tumor RNA in a murine tumor system. Matsuoka H, et al. **Cancer Treat Rep** 1986 Jul;70(7):851–7

Synchronization of the human promyelocytic cell line HL 60 by thymidine. Mortensen BT, et al. **Cell Tissue Kinet** 1986 May;19(3):351–64

Enhanced formation of mouse hybridomas without hat treatment in a serum–free medium. Yabe N, et al. **In Vitro Cell Dev Biol** 1986 Jul;22(7):363–8

Endogenous thymidine and hypoxanthine are a source of error in evaluating methotrexate cytotoxicity by clonogenic assays using undialyzed fetal bovine serum. Sobrero AF, et al. **Int J Cell Cloning** 1986 Jan;4(1):51–62

Effects of 2'–chlorothymidine on Chinese hamster cells irradiated with X–rays and ultraviolet light. Murai T, et al. **J Radiat Res (Tokyo)** 1985 Jun;26(2):233–7

Modulation of the effects of fluoropyrimidines on toxicity and tumor inhibition in rodents by uridine and thymidine. Hartmann HR, et al. **Med Oncol Tumor Pharmacother** 1986; 3(2):111–8

Effects of hydroxyurea and thymidine derivatives on the uptake and metabolism of deoxycytidine and arabinofuranosylcytosine in log phase and contact–inhibited human diploid fibroblasts. Snyder RD, et al. **Mol Pharmacol** 1985 Dec;28(6):574–80

Studies with unbalanced DNA precursor pools in vivo. Clode SA, et al. **Prog Clin Biol Res** 1986;209A:551–61

Deoxycytidine reverses inhibition of morphogenesis by thymidine in young chick blastoderm. Zagris N. **Teratogenesis Carcinog Mutagen** 1986;6(3):203–8

[Damage to DNA by tritiated thymidine and its development in normal human (PHA–stimulated lymphocytes) and leukemic (Molt–3) lymphoblasts] Catena C, et al. **Boll Soc Ital Biol Sper** 1985 Jul 30;61(7):1075–81 (Eng. Abstr.) **(Ita)**

[Biochemical modulation of 5–FU by thymidine and N–phosphoacetyl–L–aspartate: the relation between 5–FU incorporation into RNA and its cytocidal effect] Akazawa S, et al. **Gan To Kagaku Ryoho** 1986 Apr;13(4 Pt 1):990–5 (Eng. Abstr.) **(Jpn)**

RADIATION EFFECTS

Photoreversal–dependent release of thymidine and thymidine monophosphate from pyrimidine dimer–containing DNA excision fragments isolated from ultraviolet–damaged human fibroblasts. Weinfeld M, et al. **Biochemistry** 1986 May 6;25(9):2656–64

Triplet excited states of 4',5'–photomonoadducts of 3–carbethoxypsoralen and 8–methoxypsoralen with DNA nucleosides. Blais J, et al. **Photochem Photobiol** 1985 Nov; 42(5):599–602

THERAPEUTIC USE

Sequential administration of thymidine, 5–fluorouracil, and PALA. A phase I–II study. Chiuten DF, et al. **Am J Clin Oncol** 1985 Aug;8(4):332–5

[Effect of unithiol and thymidine on the toxic and therapeutic action of adriamycin] Bogush TA, et al. **Vopr Onkol** 1986; 32(5):58–63 (Eng. Abstr.) **(Rus)**

THYMIDINE KINASE

ANALYSIS

Direct assay of thymidine kinase bound to ion–exchange paper for dot spotting and enzyme blotting analysis. van den Berg KJ. **Anal Biochem** 1986 May 15;155(1):149–54

Characterization of an Epstein–Barr virus–induced thymidine kinase. de Turenne–Tessier M, et al. **J Virol** 1986 Mar; 57(3):1105–12

Adipose tissue thymidine kinase activity in man. Baum D, et al. **Pediatr Res** 1986 Feb;20(2):118–21

ANTAGONISTS & INHIBITORS

Acyclic guanosine analogs as substrates for varicella–zoster

virus thymidine kinase. Karlström AR, et al. **Antimicrob Agents Chemother** 1986 Jan;29(1):171–4

Differential effects of hyperoxia and hydrogen peroxide on thymidine kinase and adenosine kinase activities of cultured endothelial cells. Junod AF, et al. **Biochim Biophys Acta** 1985 Oct 30;847(1):20–4

Inhibition of thymidine kinase by P1-(adenosine-5')-P5-(thymidine-5')-pentaphosphate. Bone R, et al. **J Biol Chem** 1986 May 5;261(13):5731–5

Multisubstrate analogs for deoxynucleoside kinases. Use in novel affinity media applied to resolution of Lactobacillus enzymes. Ikeda S, et al. **J Biol Chem** 1985 Oct 15; 260(23):12659–64

BIOSYNTHESIS

Production of herpes simplex virus type 1 thymidine kinase in the presence of thymidine analogues. Zucker ML, et al. **Antiviral Res** 1986 Mar;6(2):69–81

Induction of thymidine kinase activity in a spontaneously enzyme-deficient murine tumor cell line by exposure in vivo to the DNA-hypomethylating agent 5-aza-2'-deoxycytidine: implications for mechanisms of tumor progression. Liteplo RG, et al. **Cancer Res** 1985 Nov; 45(11 Pt 1):5294–8

Recovery of a latent HSV-1 thymidine kinase negative strain following iontophoresis and co-cultivation in the ocularly-infected rabbit model. Caudill JW, et al. **Curr Eye Res** 1986 Jan;5(1):41–5

Azacytidine induces reversion of thymidine kinase deficiency in Friend erythroleukemia cells. Hickey I, et al. **Exp Cell Res** 1986 May;164(1):251–5

Induction of the synthesis of thymidine kinase by aldosterone in the kidney of the immature male rat. Bukhari AR, et al. **Experientia** 1985 Nov 15;41(11):1449–51

Regulation of thymidine kinase activity in the cell cycle by a labile protein. Coppock DL, et al. **J Cell Physiol** 1985 Aug;124(2):269–74

Induction of thymidine kinase activity by viruses with group B DNA genomes: bovine cytomegalovirus (bovine herpesvirus 4). Kit S, et al. **Virus Res** 1986 Feb;4(2):197–212

BLOOD

Serum thymidine kinase in transplant patients: its relation to cytomegalovirus activity, renal transplant rejection and its use for monitoring of antiviral therapy. Gronowitz JS, et al. **Ann Clin Res** 1986;18(2):71–5

Evaluation of serum deoxythymidine kinase as a marker in multiple myeloma. Simonsson B, et al. **Br J Haematol** 1985 Oct;61(2):215–24

Serum deoxythymidine kinase in small cell carcinoma of the lung. Relation to clinical features, prognosis, and other biochemical markers. Gronowitz JS, et al. **Cancer** 1986 Jul 1;58(1):111–8

Deoxythymidine kinase, a possible marker for monitoring activity of cytomegalovirus infection after renal transplantation. Larson A, et al. **Scand J Urol Nephrol** 1986; 20(1):75–6

DEFICIENCY

Abilities of wild-type and thymidine kinase-deficient Friend mouse erythroleukemia cells to undergo unscheduled DNA synthesis following mutagen treatment. McKenna PG, et al. **Somatic Cell Mol Genet** 1986 Jul;12(4):325–32

GENETICS

Studies on interactions of dTK-HSV mutants with neurons in vitro. Veerisetty V, et al. **Acta Virol (Praha)** 1986 Jun; 30(1):1–9

Plaque autoradiography assay for the detection and quantitation of thymidine kinase-deficient and thymidine kinase-altered mutants of herpes simplex virus in clinical isolates. Martin JL, et al. **Antimicrob Agents Chemother** 1985 Aug;28(2):181–7

A cytotoxic effect associated with 9-(1,3-dihydroxy-2-propoxymethyl)-guanine is observed during the selection for drug resistant human cells containing a single herpesvirus thymidine kinase gene. Goring DR, et al. **Biochem Biophys Res Commun** 1985 Nov 27;133(1):195–201

Resistance to mutagenesis of cells biochemically transformed by herpesvirus DNA fragments. Trkula D, et al. **Biochem Biophys Res Commun** 1985 Dec 31;133(3):1064–71

A coordinate relationship between the GALK and the TK1 genes of the Chinese hamster. Wagner RP, et al. **Biochem Genet** 1985 Oct;23(9–10):677–703

Homologous recognition of a promoter domain common to the MSV LTR and the HSV tk gene. Graves BJ, et al. **Cell** 1986 Feb 28;44(4):565–76

Modulation of the level of expression of cellular genes in adenovirus 12-infected and transformed human cells. Grand RJ, et al. **EMBO J** 1986 Jun;5(6):1253–60

Chromosome analysis of trifluorothymidine-resistant L5178Y mouse lymphoma cell colonies. Blazak WF, et al. **Environ Mutagen** 1986;8(2):229–40

Transcriptional control of thymidine kinase gene expression by estrogen and antiestrogens in MCF-7 human breast cancer cells. Kasid A, et al. **J Biol Chem** 1986 Apr 25; 261(12):5562–7

Identification and cloning of the fowlpox virus thymidine kinase gene using vaccinia virus. Boyle DB, et al. **J Gen Virol** 1986 Aug;67 (Pt 8):1591–600

Utilization of internal AUG codons for initiation of protein synthesis directed by mRNAs from normal and mutant genes encoding herpes simplex virus-specified thymidine kinase. Haarr L, et al. **J Virol** 1985 Nov;56(2):512–9

Development of a helper-independent human adenovirus vector and its use in the transfer of the herpes simplex virus thymidine kinase gene. Haj-Ahmad Y, et al. **J Virol** 1986 Jan;57(1):267–74

Establishment of mutant FM3A murine mammary carcinoma cell strains transformed with the herpes simplex virus type 1 thymidine kinase gene. Ayusawa D, et al. **Jpn J Cancer Res** 1985 Oct;76(10):984–8

Regional assignment of the genes for TK1, GALK, ALDC, and ESD on chromosome 8 in the American mink by chromosome-mediated gene transfer. Gradov AA, et al. **MGG** 1985;200(3):433–8

Rescue of transfected genes from mammalian cells by functional selection in Escherichia coli. Strauss M, et al. **MGG** 1985;201(2):277–81

Rearrangements of microinjected recombinant DNA in the genome of transgenic mice. Tarantul VZ, et al. **MGG** 1986 May;203(2):305–11

Identification of sequences in the herpes simplex virus thymidine kinase gene required for efficient processing and polyadenylation. Cole CN, et al. **Mol Cell Biol** 1985 Aug; 5(8):2104–13

Promoter domains required for expression of plasmid-borne copies of the herpes simplex virus thymidine kinase gene in virus-infected mouse fibroblasts and microinjected frog oocytes. Eisenberg SP, et al. **Mol Cell Biol** 1985 Aug; 5(8):1940–7

Synthesis of predominantly unspliced cytoplasmic RNAs by chimeric herpes simplex virus type 1 thymidine kinase-human beta-globin genes. Greenspan DS, et al. **Mol Cell Biol** 1985 Aug;5(8):1894–900

Molecular cloning and structural analysis of murine thymidine kinase genomic and cDNA sequences. Lin PF, et al. **Mol Cell Biol** 1985 Nov;5(11):3149–56

Photochemical cross-linking of cap binding proteins to eucaryotic mRNAs: effect of mRNA 5' secondary structure. Pelletier J, et al. **Mol Cell Biol** 1985 Nov; 5(11):3222–30

Chromosome 11 aberrations in small colony L5178Y TK-/- mutants early in their clonal history. Hozier J, et al. **Mutat Res** 1985 Oct;147(5):237–42

Thymidine kinase activity and trifluorothymidine resistance of spontaneous and mutagen-induced L5178Y cells in RPMI 1640 medium. Oberly TJ, et al. **Mutat Res** 1986 Jul;161(2):165–71

Cytogenetic characterization of the L5178Y TK+/-3.7.2C mouse lymphoma cell line. Sawyer J, et al. **Mutat Res** 1985 Oct;147(5):243–53

Analysis of DNA sequences which regulate the transcription of herpes simplex virus immediate early gene 3: DNA sequences required for enhancer-like activity and response to trans-activation by a virion polypeptide. Bzik DJ, et al. **Nucleic Acids Res** 1986 Jan 24;14(2):929–43

Structural and functional analysis of an alternatively spliced chicken TK messenger RNA. Merrill GF, et al. **Nucleic Acids Res** 1986 Aug 11;14(15):6281–97

A frequent polymorphism for the cytosolic thymidine kinase gene, TK1, (17q21-q22) detected by the enzyme TaqI. Murphy PD, et al. **Nucleic Acids Res** 1986 May 27; 14(10):4381

Selective inhibition of the proliferation of herpes simplex virus type 1 thymidine kinase gene-transformed murine mammary FM3A carcinoma cells by (E)-5-(2-bromovinyl)-2'-deoxyuridine and related compounds. Balzarini J, et al. **Nucleic Acids Symp Ser** 1985; (16):283–6

The cytotoxic and mutagenic effects of UVA radiation on L5178Y mouse lymphoma cells. Hitchins VM, et al. **Photochem Photobiol** 1986 Jul;44(1):53–7

Chemically induced mutagenesis in a shuttle vector with a low-background mutant frequency. Drinkwater NR, et al. **Proc Natl Acad Sci USA** 1986 May;83(10):3402–6

Locus specificity in the mutability of L5178Y mouse lymphoma cells: the role of multilocus lesions. Evans HH, et al. **Proc Natl Acad Sci USA** 1986 Jun;83(12):4379–83

Site specificity of DNA methylation and expression of herpes simplex thymidine kinase gene. DeVries PJ, et al. **Somatic Cell Mol Genet** 1986 Jul;12(4):385–93

Somatic mutations at a heterozygous autosomal locus in human cells occur more frequently by allele loss than by intragenic structural alterations. Yandell DW, et al. **Somatic Cell Mol Genet** 1986 May;12(3):255–63

Mapping of the varicella zoster virus deoxypyrimidine kinase gene and preliminary identification of its transcript. Sawyer MH, et al. **Virology** 1986 Feb;149(1):1–9

[Inhibition of the reproduction of a herpes simplex I virus carrying mutations in the thymidine kinase and DNA polymerase genes] Galegov GA, et al. **Genetika** 1986 May; 22(5):892–4 (Eng. Abstr.) **(Rus)**

[Genetic transformation of somatic cells. IX. The loss of the transformant phenotype is accompanied by rearrangements in the plasmid DNA containing the thymidine kinase gene of the herpes virus] Glebov OK, et al. **Tsitologiia** 1985 Jul;27(7):814–21 (Eng. Abstr.) **(Rus)**

[Genetic transformation of somatic cells. VIII. The effect of the DNA methylation inhibitor 5-azacytidine on the stability of thymidine kinase-negative and -positive phenotypes of transformant clone cells] Glebov OK, et al. **Tsitologiia** 1985 Jul;27(7):805–13 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Age-specific prevalence of antibodies to pyrimidine kinase enzymes of herpes simplex virus types 1 and 2, and of varicella zoster virus. Bardy B, et al. **J Med Virol** 1986 Jan;18(1):61–7

ISOLATION & PURIFICATION

Separation of foetal and adult thymidine kinases in biological samples using small ion-exchange columns. Bourtourault M, et al. **J Chromatogr** 1986 Jul 11;380(1):133–9

METABOLISM

Pyrimidine salvage enzymes in human tonsil lymphocytes. I. Separation and properties of thymidine kinase isoenzymes. Sasvári-Székely M, et al. **Acta Biochim Biophys Acad Sci Hung** 1985;20(3–4):163–72

Thymidine kinase in extracts of human brain tumours. Persson L, et al. **Acta Neurochir (Wien)** 1986;80(3–4):123–7

Characterization of a varicella-zoster virus variant with altered thymidine kinase activity. Shigeta S, et al. **Antimicrob Agents Chemother** 1986 Jun;29(6):1053–8

Receptors for EGF and oestradiol and thymidinekinase activity in different histological subgroups of human mammary carcinomas. Skoog L, et al. **Br J Cancer** 1986 Aug;54(2):271–6

Increased activities of thymidine kinase isozymes in human mammary tumours. Sakamoto S, et al. **Br J Surg** 1986 Apr; 73(4):272–3

Effect of the benzene fraction of petroleum on thymidine kinase activity and DNA content in rat liver and kidney. Bong-Mastek M, et al. **Bull Environ Contam Toxicol** 1986 Jul;37(1):55–61

Periodate-oxidized adenosine induction of murine thymidine kinase: role of DNA methylation in the generation of tumor cell heterogeneity. Liteplo RG, et al. **Cancer Res** 1986 Feb; 46(2):577–82

Alpha-adrenergic regulation of the activity of thymidylate synthetase and thymidine kinase during liver regeneration after partial hepatectomy. Nakata R, et al. **Eur J Pharmacol** 1985 Aug 27;114(3):355–60

The stereochemical course of phosphoryl transfer catalyzed by herpes simplex virus type I-induced thymidine kinase. Arnold JR, et al. **J Biol Chem** 1986 Feb 15;261(5):1985–7

Further studies on thymidine kinase: distribution pattern of the enzyme in bacteria. Saito H, et al. **J Gen Microbiol** 1985 Nov;131 (Pt 11):3091–8

Evidence that the 'active centre' of the herpes simplex virus thymidine kinase involves an interaction between three distinct regions of the polypeptide. Graham D, et al. **J Gen Virol** 1986 Apr;67 (Pt 4):753–8

Effect of hepatic failure toxins on liver thymidine kinase activity and ornithine decarboxylase activity after massive necrosis with acetaminophen in the rat. Zieve L, et al. **J Lab Clin Med** 1985 Nov;106(5):583–8

Thymidine kinase isoenzymes in human acute and chronic lymphatic leukemia. Munch-Petersen B, et al. **Leuk Res** 1986;10(6):637–42

Locating a nucleotide-binding site in the thymidine kinase of vaccinia virus and of herpes simplex virus by scoring triply aligned protein sequences. Gentry GA. **Proc Natl Acad Sci USA** 1985 Oct;82(20):6815–9

[Thymidine kinase isozymes in human colon polyps] Sagara T, et al. **Nippon Gan Chiryo Gakkai Shi** 1985 Aug 20; 20(7):1312–6 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Highly selective cytostatic activity of (E)-5-(2-bromovinyl)-2'-deoxyuridine derivatives for murine mammary carcinoma (FM3A) cells transformed with the herpes simplex virus type 1 thymidine kinase gene. Balzarini J, et al. **Mol Pharmacol** 1985 Dec;28(6):581–7

Decreased virulence of recombinant vaccinia virus expression vectors is associated with a thymidine kinase-negative phenotype. Buller RM, et al. **Nature** 1985 Oct 31–Nov 6; 317(6040):813–5

THYMIDINE MONOPHOSPHATE see under **THYMINE NUCLEOTIDES**

THYMIDINE PHOSPHATES see **THYMINE NUCLEOTIDES**

THYMIDINE PHOSPHORYLASE see under **PENTOSYLTRANSFERASES**

THYMIDYLATE SYNTHETASE

Bifunctional thymidylate synthase-dihydrofolate reductase from Leishmania tropica: sequence homology with the corresponding monofunctional proteins. Grumont R, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(15):5387–91

ANALYSIS

Relationship between 5-fluoro-2'-deoxyuridylate, 2'-deoxyuridylate, and thymidylate synthase activity subsequent to 5-fluorouracil administration, in xenografts of human colon adenocarcinomas. Houghton JA, et al.

Biochem Pharmacol 1986 Apr 15;35(8):1351–8
Limited proteolysis of the bifunctional thymidylate synthase–dihydrofolate reductase from Leishmania tropica. Garvey EP, et al. **Proc Natl Acad Sci USA** 1985 Nov; 82(21):7188–92

ANTAGONISTS & INHIBITORS

Fragile (X) expression induced by FUdR is transient and inversely related to levels of thymidylate synthase activity. Cantú ES, et al. **Am J Hum Genet** 1985 Sep;37(5):947–55
Variability of thymidylate synthase activity in whole blood cultures treated with FUdR. Sklower SL, et al. **Am J Med Genet** 1986 Jan–Feb;23(1–2):483–90
Sequential inhibitory effects of antitumor agents related to levodopa and dopamine upon DNA synthetic enzymes. Fitzgerald GB, et al. **Biochem Pharmacol** 1986 Jan 15; 35(2):271–5
5'-Haloacetamido-5'-deoxythymidines: novel inhibitors of thymidylate synthase. Sani BP, et al. **Biochim Biophys Acta** 1986 Apr 11;881(2):175–84
Sequential methotrexate/5-FU: FdUMP formation and TS inhibition in a transplantable rodent colon adenocarcinoma. Berne MH, et al. **Cancer Chemother Pharmacol** 1986; 16(3):237–42
Pharmacokinetics of the thymidylate synthase inhibitor N10-propargyl-5,8-dideazafolic acid (CB3717) in the mouse. Newell DR, et al. **Cancer Treat Rep** 1986 Aug; 70(2):971–9
Inhibition of mammalian tumour thymidylate synthetase by 2'-deoxyuridine 5'-phosphate analogues. Rode W, et al. **Drugs Exp Clin Res** 1986;12(6–7):545–9
Inactivation of thymidylate synthase by chlorine disinfectants. Ahmed H, et al. **Int J Biochem** 1986; 18(3):245–50
Diazaquinomycin A, a new antifolate antibiotic, inhibits thymidylate synthase. Murata M, et al. **J Antibiot (Tokyo)** 1985 Aug;38(8):1025–33
A phase I evaluation of the quinazoline antifolate thymidylate synthase inhibitor, N10-propargyl-5,8-dideazafolic acid, CB3717. Calvert AH, et al. **J Clin Oncol** 1986 Aug; 4(8):1245–52
Quinazoline antifolates inhibiting thymidylate synthase: benzoyl ring modifications. Jones TR, et al. **J Med Chem** 1986 Apr;29(4):468–72
Quinazoline antifolates inhibiting thymidylate synthase: variation of the amino acid. Jones TR, et al. **J Med Chem** 1986 Jun;29(6):1114–8
Quinazoline antifolates inhibiting thymidylate synthase: variation of the N10 substituent. Jones TR, et al. **J Med Chem** 1985 Oct;28(10):1468–76
Kinetics and mechanism of interaction of 10-propargyl-5,8-dideazafolate with thymidylate synthase. Pogolotti AL Jr, et al. **J Med Chem** 1986 Apr;29(4):478–82
Thiol addition to quinones: model reactions for the inactivation of thymidylate synthase by 5-p-benzoquinonyl-2'-deoxyuridine 5'-phosphate. Vadnere MK, et al. **J Med Chem** 1986 Sep;29(9):1714–20
The cytotoxicity of 5-fluorouracil is due to its incorporation into RNA not its inhibition of thymidylate synthase as evidenced by the use of a mouse cell mutant deficient in thymidylate synthase. Akazawa S, et al. **Jpn J Cancer Res** 1986 Jul;77(7):620–4
Inhibitory action of 10-deazaaminopterins and their polyglutamates on human thymidylate synthase. Ueda T, et al. **Mol Pharmacol** 1986 Aug;30(2):149–53

BIOSYNTHESIS

Increased thymidylate synthase in L1210 cells possessing acquired resistance to N10-propargyl-5,8-dideazafolic acid (CB3717): development, characterization, and cross-resistance studies. Jackman AL, et al. **Cancer Res** 1986 Jun;46(6):2810–5
Thymidylate synthase overproduction and gene amplification in fluorodeoxyuridine-resistant human cells. Berger SH, et al. **Mol Pharmacol** 1985 Nov;28(5):461–7

DEFICIENCY

Expression of fragile site on the human X chromosome in somatic cell hybrids between human fragile X cells and thymidylate synthase-negative mouse mutant cells. Hori T, et al. **Jpn J Cancer Res** 1985 Oct;76(10):977–83

GENETICS

Thymidylate synthase-deficient Chinese hamster cells: a selection system for human chromosome 18 and experimental system for the study of thymidylate synthase regulation and fragile X expression. Nussbaum RL, et al. **Am J Hum Genet** 1985 Nov;37(6):1192–205
Characterization of the intron in the phage T4 thymidylate synthase gene and evidence for its self-excision from the primary transcript. Chu FK, et al. **Cell** 1986 Apr 25; 45(2):157–66
Organization of the thymidylate synthase gene of herpesvirus saimiri. Bodemer W, et al. **J Virol** 1986 Oct;60(1):114–23
Control of thymidylate synthase mRNA content and gene transcription in an overproducing mouse cell line. Jenh CH, et al. **Mol Cell Biol** 1985 Oct;5(10):2527–32
Primary structure of the gene encoding the bifunctional dihydrofolate reductase–thymidylate synthase of Leishmania major. Beverley SM, et al. **Proc Natl Acad Sci USA** 1986 Apr;83(8):2584–8
The A+T-rich genome of Herpesvirus saimiri contains a highly conserved gene for thymidylate synthase. Honess RW, et al. **Proc Natl Acad Sci USA** 1986 Jun;83(11):3604–8

METABOLISM

Stopped-flow studies of 2'-deoxynucleotide binding to thymidylate synthase. Mittelstaedt DM, et al. **Arch Biochem Biophys** 1986 Mar;245(2):417–25
Trapping and partial characterization of an adduct postulated to be the covalent catalytic ternary complex of thymidylate synthase. Moore MA, et al. **Biochemistry** 1986 Jun 3; 25(11):3311–7
Levels of thymidylate synthetase during normal culture growth of L1210 cells. Cadman E, et al. **Cancer Res** 1986 Mar;46(3):1195–8
Binding of 5-fluorodeoxyuridylate to thymidylate synthase in human colon adenocarcinoma xenografts. Houghton JA, et al. **Eur J Cancer Clin Oncol** 1986 Apr;22(4):505–10
Alpha-adrenergic regulation of the activity of thymidylate synthetase and thymidine kinase during liver regeneration after partial hepatectomy. Nakata R, et al. **Eur J Pharmacol** 1985 Aug 27;114(3):355–60
Purification and properties of mouse thymus thymidylate synthase. Comparison of the enzyme from mammalian normal and tumour tissues. Rode W, et al. **Int J Biochem** 1986;18(4):361–8
Evidence for the existence of covalent nucleotide–thymidylate synthase complexes, identification of site of attachment, and enhancement by folates. Moore MA, et al. **J Biol Chem** 1986 Sep 25;261(27):12745–9
Tissue folate polyglutamate chain length determination by electrophoresis as thymidylate synthase–fluorodeoxyuridylate ternary complexes. Priest DG, et al. **Methods Enzymol** 1986;122:313–9

THYMINE

Hydrogen-bonding preferences in 2,6-diaminopurine: uracil (thymine) and 8-methyl adenine:uracil (thymine) complexes. Rao SN, et al. **Biopolymers** 1986 Feb; 25(2):267–80
G . T base-pairs in a DNA helix: the crystal structure of d(G-G-G-G-T-C-C-C). Kneale G, et al. **J Mol Biol** 1985 Dec 20;186(4):805–14
DNA bending at adenine . thymine tracts. Koo HS, et al. **Nature** 1986 Apr 10–16;320(6062):501–6
Consecutive A X T pairs can adopt a left-handed DNA structure. McLean MJ, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(16):5884–8

ANALOGS & DERIVATIVES

Formation of methyl ester of 2-methylglyceric acid from thymine glycol residues: a convenient new method for determining radiation damage to DNA. Schellenberg KA, et al. **Biochemistry** 1986 Apr 8;25(7):1479–82
Production of thymine glycols in DNA by N-hydroxy-2-naphthylamine as detected by a monoclonal antibody. Kaneko M, et al. **Cancer Res** 1986 Jan;46(1):71–5
Possible role for thymine glycol in the selective inhibition of DNA synthesis on oxidized DNA templates. Rouet P, et al. **Cancer Res** 1985 Dec;45(12 Pt 1):6113–8
Enzymatic elimination of O6-ethylguanine and stability of O4-ethylthymine in the DNA of malignant neural cell lines exposed to N-ethyl-N-nitrosourea in culture. Huh N, et al. **Carcinogenesis** 1986 Mar;7(3):435–9
The inhibition of the photochemical dimerization of 1,3-dimethylthymine by flavin and 5-deazaflavin derivatives. Tanaka K, et al. **Chem Pharm Bull (Tokyo)** 1986 May;34(5):2265–7
Studies of the repair of O6-alkylguanine and O4-alkylthymine in DNA by alkyltransferases from mammalian cells and bacteria. Pegg AE, et al. **Environ Health Perspect** 1985 Oct;62:109–14
Thymine glycol lesions terminate chain elongation by DNA polymerase I in vitro. Clark JM, et al. **Nucleic Acids Res** 1986 Jan 24;14(2):737–49
Sequence dependence for bypass of thymine glycols in DNA by DNA polymerase I. Hayes RC, et al. **Nucleic Acids Res** 1986 Jan 24;14(2):1045–61
Thymine glycols and urea residues in M13 DNA constitute replicative blocks in vitro. Ide H, et al. **Nucleic Acids Res** 1985 Nov 25;13(22):8035–52
On the reactions of DL-1,3-dimethylthymine epoxide with amines and L-amino acid derivatives. Harayama T, et al. **Nucleic Acids Symp Ser** 1985;(16):73–6
Reaction of nucleic acids bases and their derivatives with peroxodisulfate ion. Itahara T, et al. **Nucleic Acids Symp Ser** 1985;(16):61–4
Radiolytic hydroxylation of 1-substituted thymines promoted by transition metal salts in N2- and N2O-saturated aqueous solutions. Nishimoto S, et al. **Nucleic Acids Symp Ser** 1985; (16):57–60
[Synthesis of a DNA fragment containing dihydro-5,6 thymine] Molko D, et al. **Biochimie** 1985 Jul–Aug; 67(7–8):801–9 (Eng. Abstr.) **(Fre)**

ANALYSIS

Pericentromeric heterochromatin and A-T contents during Robertsonian fusion in the house mouse. Redi CA, et al. **Chromosoma** 1986;94(1):31–5
High A + T content conserved in DNA sequences upstream of leuABCD in Escherichia coli and Salmonella typhimurium. Haughn GW, et al. **J Bacteriol** 1986 Jun; 166(3):1113–7
Simultaneous determination of thymine and 5-bromouracil in DNA hydrolysates using gas chromatography–mass spectrometry with selected-ion monitoring. Stetson PL, et al. **J Chromatogr** 1986 Feb 14;375(1):1–9

BIOSYNTHESIS

[Non-enzymatic DNA methylation by S-adenosylmethionine results in the formation of minor thymine residues and 5-methylcytosine from cytosine] Mazin AL, et al. **Mol Biol (Mosk)** 1985 Jul–Aug;19(4):903–14 (Eng. Abstr.) **(Rus)**

METABOLISM

Dihydrothymine dehydrogenase deficiency in a family, leading to elevated levels of uracil and thymine. De Abreu RA, et al. **Adv Exp Med Biol** 1986;195 Pt A:77–80
A DNA glycosylase for oxidized thymine residues in Drosophila melanogaster. Breimer LH. **Biochem Biophys Res Commun** 1986 Jan 14;134(1):201–4
Effects of uridine and thymidine on the degradation of 5-fluorouracil, uracil, and thymine by rat liver dihydropyrimidine dehydrogenase. Tuchman M, et al. **Cancer Res** 1985 Nov;45(11 Pt 1):5553–6
The phage SPO1-specific RNA polymerase, E.gp28, recognizes its cognate promoters in thymine-containing DNA. Romeo JM, et al. **Virology** 1986 Aug;153(1):46–52

RADIATION EFFECTS

Changes of fluorescence spectra of thymine in aqueous solution by radiation. Mandal PC, et al. **Biochem Int** 1986 Feb;12(2):235–42
Thymine lesions produced by ionizing radiation in double-stranded DNA. Breimer LH, et al. **Biochemistry** 1985 Jul 16;24(15):4018–22
Radiation-induced thymine base damage and its excision repair in active and inactive chromatin of HeLa cells. Patil MS, et al. **Int J Radiat Biol** 1985 Nov;48(5):691–700
Degradation of thymine in aqueous solution containing 3HHO. Comparison with 60Co gamma-radiolysis. Yamamoto O, et al. **J Radiat Res (Tokyo)** 1985 Sep; 26(3):257–68
Radiolytic hydroxylation of 1-substituted thymines promoted by transition metal salts in N2- and N2O-saturated aqueous solutions. Nishimoto S, et al. **Nucleic Acids Symp Ser** 1985; (16):57–60

URINE

Dihydropyrimidine dehydrogenase deficiency leading to thymine-uraciluria. An inborn error of pyrimidine metabolism. Wadman SK, et al. **J Inherited Metab Dis** 1985; 8 Suppl 2:113–4

THYMINE DIMERS see **PYRIMIDINE DIMERS**

THYMINE NUCLEOTIDES

1H and 31P NMR data of protected thymidylyl-deoxyribonucleoside phosphates. Ernst L. **Nucleic Acids Res** 1986 May 12;14(9):3972

ADMINISTRATION & DOSAGE

Efficacy of 5-methoxymethyl-2'-deoxyuridine in combination with arabinosyladenine for the treatment of primary herpes simplex genital infection of mice and guinea pigs. Ayisi NK, et al. **Antiviral Res** 1986 Jan;6(1):33–47

BIOSYNTHESIS

Dissociation of thymidylate biosynthesis from DNA biosynthesis by 5-fluoro-2'-deoxyuridine and 5,8-dideazaisofolic acid. Fernandes DJ, et al. **Cancer Res** 1986 Apr;46(4 Pt 1):1741–7
Interrelations between substrate cycles and de novo synthesis of pyrimidine deoxyribonucleoside triphosphates in 3T6 cells. Bianchi V, et al. **Proc Natl Acad Sci USA** 1986 Feb; 83(4):986–90

METABOLISM

A possible role for deoxyribonucleotide pool imbalances in carcinogenesis. Haynes RH, et al. **Basic Life Sci** 1985; 34:147–56
Extraction, purification, identification and metabolism of 3',5'-cyclic UMP, 3',5'-cyclic IMP and 3',5'-cyclic dTMP from rat tissues. Newton RP, et al. **Biochem J** 1986 Jun 1;236(2):431–9
O4-Methyl-, O4-ethyl-, and O4-isopropylthymidine 5'-triphosphates as analogues of thymidine 5'-triphosphate: kinetics of incorporation by Escherichia coli DNA polymerase I. Singer B, et al. **Biochemistry** 1986 Mar 25; 25(6):1201–5
The sources of thymidine nucleotides for virus DNA synthesis in herpes simplex virus type 2-infected cells. Nutter LM, et al. **J Biol Chem** 1985 Oct 25;260(24):13272–5
Activity of acid deoxyribonuclease towards diastereoisomers of thymidyl 3'-(4-nitrophenyl phosphorothioate). Stereochemistry of transnucleotidylation reaction.

Uznanski B, et al. **J Biol Chem** 1986 Jan 15;261(2):592–8
Zwitterionic 3'-O-acyl derivatives of thymidine 5'-phosphate as potential sources of intracellular thymidine 5'-phosphate in cells in culture. Chawla RR, et al. **J Med Chem** 1986 May;29(5):797–802

PHARMACODYNAMICS

O4-Methyl-, O4-ethyl-, and O4-isopropylthymidine 5'-triphosphates as analogues of thymidine 5'-triphosphate: kinetics of incorporation by Escherichia coli DNA polymerase I. Singer B, et al. **Biochemistry** 1986 Mar 25; 25(6):1201–5
3'-Deoxy-3'-fluorothymidinetriphosphate: inhibitor and terminator of DNA synthesis catalysed by DNA polymerase beta, terminal deoxynucleotidyl transferase and DNA polymerase I. Matthes E, et al. **Biomed Biochim Acta** 1985;44(10):K63–73
Inhibition of thymidine kinase by P1-(adenosine-5')-P5-(thymidine-5')-pentaphosphate. Bone R, et al. **J Biol Chem** 1986 May 5;261(13):5731–5

RADIATION EFFECTS

Photoreversal-dependent release of thymidine and thymidine monophosphate from pyrimidine dimer-containing DNA excision fragments isolated from ultraviolet-damaged human fibroblasts. Weinfeld M, et al. **Biochemistry** 1986 May 6;25(9):2656–64
Radiation chemistry of a dinucleoside monophosphate and its sequence isomer. Beifi CA, et al. **Radiat Res** 1986 Apr; 106(1):17–30

THYMOANALEPTICS see ANTIDEPRESSIVE AGENTS

THYMOL

Gastrointestinal colonization and septicaemia with Pseudomonas aeruginosa due to contaminated thymol mouthwash in immunocompromised patients. Stephenson JR, et al. **J Hosp Infect** 1985 Dec;6(4):369–78

ANALOGS & DERIVATIVES

Withdrawal of endodontic sealers [letter] Ahlberg KF, et al. **Br Dent J** 1985 Oct 19;159(8):241
Allergic endodontic angio-oedema in response to periapical endomethasone. Forman GH, et al. **Br Dent J** 1986 May 24;160(10):348–50
Immunological control of drug absorption from the gastrointestinal tract: the mechanism whereby intestinal anaphylaxis interferes with the intestinal absorption of bromthymol blue in the rat. Yamamoto A, et al. **J Pharm Pharmacol** 1986 May;38(5):357–62
Anesthetic-protein interaction: surface potential of bovine serum albumin estimated by a pH-sensitive dye. Mashimo T, et al. **Mol Pharmacol** 1986 Feb;29(2):149–54
Tissue reactions to two root canal sealers containing formaldehyde. Pitt Ford TR. **Oral Surg Oral Med Oral Pathol** 1985 Dec;60(6):661–5

PHARMACODYNAMICS

Some properties and mechanisms of thymol-induced release of calcium from the calcium-store in guinea-pig taenia caecum. Hisayama T, et al. **Jpn J Pharmacol** 1986 Jan; 40(1):69–82
Fungitoxic properties of the essential oil of Trachyspermum ammi sprague. Singh SP, et al. **Mykosen** 1986 Jan; 29(1):37–40

THYMOLEPTICS see ANTIDEPRESSIVE AGENTS

THYMOLPHTHALEIN see under PHENOLPHTHALEINS

THYMOMA

Thymoma epithelial cells secrete thymic hormone but do not express class II antigens of the major histocompatibility complex. Savino W, et al. **J Clin Invest** 1985 Sep; 76(3):1140–6
[Thymoma and pregnancy. Apropos of a case] Thomas D, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(3):293–8 (Eng. Abstr.) (Fre)

ANALYSIS

Substrates for protein kinase C in cytosol of EL4 mouse thymoma cells. Kramer CM, et al. **Cancer Res** 1986 Jun; 46(6):3040–5

BLOOD

Autoreactive erythroid progenitor-T suppressor cells in the pure red cell aplasia associated with thymoma and panhypogammaglobulinemia. Mangan KF, et al. **Am J Hematol** 1986 Oct;23(2):167–73

COMPLICATIONS

Autoimmune hemolytic anemia as the presenting manifestation of malignant thymoma. Rubinstein I, et al. **Acta Haematol (Basel)** 1985;74(1):40–2
Minimal change renal disease associated with thymoma and pancreatic carcinoma. Hirokawa M, et al. **Acta Pathol Jpn** 1986 Jul;36(7):1075–81
Watery diarrhea in a patient with myasthenia gravis, thymoma, and immunodeficiency. Gupta S, et al. **Am J Gastroenterol** 1985 Nov;80(11):877–81
Malignant thymoma with dysautonomia and disordered neuromuscular transmission. Tabbaa MA, et al. **Arch Neurol** 1986 Sep;43(9):955–7
Thymoma and myasthenia gravis in a 4-year-old child. Case report and review of the literature. Furman WL, et al. **Cancer** 1985 Dec 1;56(11):2703–6
Thymoma with myasthenia gravis. Lahiri TK, et al. **Indian Pediatr** 1986 Mar;23(3):217–21
Thymoma associated with lupus syndrome and associated findings of pulmonary sequestration. Mayer G, et al. **J Fla Med Assoc** 1986 Feb;73(2):114–6
Thymoma associated with rheumatoid arthritis in a patient taking methotrexate. Colburn KK, et al. **J Rheumatol** 1986 Apr;13(2):437–9
Thymoma-induced syncope [letter] Ben-Chetrit E, et al. **N Engl J Med** 1986 Jun 26;314(26):1711
Thymoma, hypogammaglobulinemia, and pernicious anemia. Davila DG, et al. **South Med J** 1986 Jul;79(7):904–6
[Bioclinical conference in pneumology. Hôpital Laënnec. Case no. 1—9 November 1984. Mediastinal tumor associated with obliterating bronchiolitis] Sandron D, et al. **Rev Pneumol Clin** 1986;42(1):40–6 (Fre)
[A case of malignant thymoma associated with massive pericardial effusion, hypogammaglobulinemia and disseminated cytomegalovirus infection] Namura M, et al. **Nippon Naika Gakkai Zasshi** 1985 Jun;74(6):799–807 (Jpn)

DIAGNOSIS

Malignant germ cell tumor of the anterior mediastinum with leukemia-like infiltration. Irie J, et al. **Acta Pathol Jpn** 1985 Nov;35(6):1561–70
Metastatic thymoma: a case report and immunohistological analysis. Salter DM, et al. **J Clin Pathol** 1986 Mar; 39(3):275–8

DRUG THERAPY

Chemotherapy of malignant thymoma. Case report and review of the literature. Hu E, et al. **Cancer** 1986 Mar 15; 57(6):1101–4

ENZYMOLOGY

Properties of Na+/K+ ATPase and alkaline phosphatase alter during spontaneous and radiation-induced leukemogenesis in mice. Gonta-Grabiec K, et al. **Neoplasma** 1986;33(2):141–55

FAMILIAL & GENETIC

Familial autoimmune myasthenia gravis and thymoma: occurrence in two brothers. Pascuzzi RM, et al. **Neurology** 1986 Mar;36(3):423–7

IMMUNOLOGY

A trans-acting mechanism represses the expression of the major transplantation antigens in mouse hybrid thymoma cell lines. Baldacci P, et al. **J Exp Med** 1986 Sep 1; 164(3):677–94
Autologous monoclonal antibodies recognize tumour-associated antigens in X-irradiated C57BL/6 mice. Artus A, et al. **J Gen Virol** 1986 Sep;67 (Pt 9):1893–900
Cell surface glycoproteins involved in the stimulation of interleukin 1-dependent interleukin 2 production by a subline of EL4 thymoma cells. II. Structure, biosynthesis, and maturation. Lüscher B, et al. **J Immunol** 1985 Dec; 135(6):3951–7
Cell surface glycoproteins involved in the stimulation of interleukin 1-dependent interleukin 2 production by a subline of EL4 thymoma cells. I. Functional characterization by monoclonal antibodies. MacDonald HR, et al. **J Immunol** 1985 Dec;135(6):3944–50
Interferon sensitive and insensitive MHC variants of a murine thymoma differentially resistant to methotrexate-containing antibody-directed liposomes and immunotoxin. Machy P, et al. **J Immunol** 1986 Apr 15; 136(8):3110–5
Myasthenia gravis: immunohistological heterogeneity in microenvironmental organization of hyperplastic and neoplastic thymuses suggesting different mechanisms of tolerance breakdown. Chilosi M, et al. **J Neuroimmunol** 1986 May;11(3):191–204
Imbalances of T-cells in thymoma-associated hypogammaglobulinaemia. Jager J, et al. **Neth J Med** 1986; 29(4):118–25
[Immune defect following thymoma. Case description and review] Manzanell C, et al. **Schweiz Med Wochenschr** 1985 Oct 5;115(40):1393–401 (Eng. Abstr.) (Ger)

METABOLISM

TCGF(IL 2)-receptor inducing factor(s). II. Possible role of ATL-derived factor (ADF) on constitutive IL 2 receptor expression of HTLV-I(+) T cell lines. Okada M, et al. **J Immunol** 1985 Dec;135(6):3995–4003
Beta-endorphin: interaction with specific nonopioid binding sites on EL4 thymoma cells. Schweigerer L, et al. **Neuropeptides** 1985 Sep;6(5):445–52

MICROBIOLOGY

Studies on emerging radiation leukemia virus variants in C57BL/Ka mice. Rassart E, et al. **J Virol** 1986 Apr; 58(1):96–106
Transformation of T-lymphoid cells by Abelson murine leukemia virus. Scott ML, et al. **J Virol** 1986 Aug; 59(2):434–43
Molecular analysis of emerging radiation leukemia virus variants of C57BL/Ka mice. Jolicoeur P, et al. **Leuk Res** 1986;10(7):843–50
RNA tumor virus in human thymomas and thymus hyperplasias. Ono A, et al. **Semin Surg Oncol** 1985; 1(3):139–52
Specific integration of recombinant proviral sequences in ecotropic Gross virus-accelerated AKR thymomas. Buchhagen DL. **Virology** 1984 Apr 30;134(2):287–95

PATHOLOGY

Pleural fluid cytology of invasive thymoma. Zirkin HJ. **Acta Cytol (Baltimore)** 1985 Nov-Dec;29(6):1011–4
Thyroid spindle-cell tumor with mucous cysts. An intrathyroid thymoma? Harach HR, et al. **Am J Surg Pathol** 1985 Jul;9(7):525–30
An immunohistochemical study of thymic epithelial tumors. I. Epithelial component. Kodama T, et al. **Am J Surg Pathol** 1986 Jan;10(1):26–33
Cervical thymoma. Martin JM, et al. **Arch Pathol Lab Med** 1986 Apr;110(4):354–7
Phenotypical characteristics and proliferative capabilities of thymocyte subsets in human thymoma. Musiani P, et al. **Clin Immunol Immunopathol** 1986 Sep;40(3):385–92
Pathology of thymic epithelial tumors. Müller-Hermelink HK, et al. **Curr Top Pathol** 1986;75:207–68 (113 ref.)
Malignant thymic neoplasms: diagnosis by fine-needle aspiration biopsy with histologic, immunocytochemical, and ultrastructural confirmation. Finley JL, et al. **Diagn Cytopathol** 1986 Apr-Jun;2(2):118–25
An immunohistologic study of the epithelial and lymphoid components of six thymomas. van der Kwast TH, et al. **Hum Pathol** 1985 Oct;16(10):1001–8
Malignancy and differentiation of neoplastic epithelial cells of thymoma. Monden Y, et al. **J Surg Oncol** 1986 Feb; 31(2):130–8
Recurrence of thymoma with appearance of myasthenia gravis 18 years after surgery: a case report. Shinkai T, et al. **Jpn J Clin Oncol** 1985 Sep;15(3):567–75
Glucocorticoid resistance is a dominant trait in hybrids between cytolytic T-lymphocyte lines and AKR thymomas. Nguyen TT, et al. **Somatic Cell Mol Genet** 1985 Nov;11(6):593–604
Surgical pathology of the thymus: 20 years' experience. Large SR, et al. **Thorax** 1986 Jan;41(1):51–4
Heterogeneity of epithelial cells and reactive components in thymomas: an ultrastructural and immunohistochemical study. Eimoto T, et al. **Ultrastruct Pathol** 1986;10(2):157–73
Atypical thymoma. Mackay B, et al. **Ultrastruct Pathol** 1985; 9(3-4):241–6
Primary thymic carcinoma. An unusual case originating in a lymphocytic rich thymoma. Herczeg E, et al. **Virchows Arch [A]** 1986;409(2):163–9
Immunohistological evidences of cortical and medullary differentiation in thymoma. Müller-Hermelink HK, et al. **Virchows Arch [A]** 1985;408(2–3):143–61
[Pleural colonization of thymoma] Patanè D, et al. **Radiol Med (Torino)** 1986 Jul-Aug;72(7–8):548–55 (Eng. Abstr.) (Ita)
[Intracaval and intraatrial growth of thymoma: report of a long-surviving case] Fujio A, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Aug; 23(8):934–9 (Eng. Abstr.) (Jpn)
[Giant cell myositis and myocarditis associated with myasthenia gravis and thymoma—an autopsy case] Tomimoto H, et al. **Rinsho Shinkeigaku** 1985 Jun; 25(6):688–93 (Eng. Abstr.) (Jpn)
[A pathologic review of thymic neoplasms] Koide O, et al. **Sangyo Ika Daigaku Zasshi** 1985 Dec 1;7(4):435–52 (74 ref.) (Eng. Abstr.) (Jpn)
[Lymphogranulomatosis of the thymus in a 12-year-old child] Kozhevnikov VA, et al. **Grudn Khir** 1985 Nov-Dec; (6):92–3 (Rus)
[Hypophyseal tumor associated with an ectopically localized thymoma] Rajić M, et al. **Srp Arh Celok Lek** 1986 Feb; 114(2):207–13 (Eng. Abstr.) (Scc)
[Thymoma: a clinico-pathological study of 14 cases] Roa I, et al. **Rev Med Chil** 1985 Mar;113(3):207–12 (Eng. Abstr.) (Spa)

RADIOGRAPHY

[Value of x-ray computed tomography in assessing the extent of invasive lympho-epithelial thymoma in the adult. Therapeutic implications] Ramon P, et al. **Rev Mal Respir** 1986;3(2):105–10 (Eng. Abstr.) (Fre)
[X-ray diagnosis of invasive thymoma] Dewes W, et al. **ROFO** 1986 Apr;144(4):388–94 (Eng. Abstr.) (Ger)
[Tumors forming a line like a rosary along the major fissure: intrathoracic metastasis of invasive thymoma] Tsubota N, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Jul; 23(7):849–52 (Eng. Abstr.) (Jpn)
[What is your diagnosis? Thymoma associated with myasthenia gravis] Contreras Cecilia E, et al. **Rev Clin Esp** 1985 Nov;177(7):353–4 (Spa)

RADIONUCLIDE IMAGING

Thallium-201 uptake in a benign thymoma. Campeau RJ, et al. **Clin Nucl Med** 1986 Jul;11(7):524

SECONDARY

Carcinomatous meningeosis as exclusive metastasizing pattern in a malignant thymoma. Kleinert R, et al. **Acta Neuropathol (Berl)** 1985;67(3-4):329-31

Hepatic mass. Functioning metastatic thymoma 22 years after radiation therapy. Grimmond AP, et al. **Clin Nucl Med** 1986 Aug;11(8):570-1

Metastasizing ectopic thymoma arising in the right thoracic cavity and mimicking diffuse pleural mesothelioma—an autopsy study of a case with review of literature. Honma K, et al. **Wien Klin Wochenschr** 1986 Jan 10;98(1):14-20

SECRETION

Interleukin 1-dependent induction of both interleukin 2 secretion and interleukin 2 receptor expression by thymoma cells. Lowenthal JW, et al. **J Immunol** 1986 Aug 15; 137(4):1226-31

SURGERY

Thymomas. A review of 169 cases, with particular reference to results of surgical treatment. Maggi G, et al. **Cancer** 1986 Aug 1;58(3):765-76

Reconstruction of the left innominate vein in a patient with invasive thymoma undergoing coronary artery bypass surgery. Mendez-Fernandez MA, et al. **J Cardiovasc Surg (Torino)** 1986 May-Jun;27(3):351-4

Thymoma. The most common anterior mediastinal mass. Cohen DJ. **Postgrad Med** 1986 Mar;79(4):161-2, 167-8

[Thymoma—report of 268 cases] Luo JA. **Chung Hua Chung Liu Tsa Chih** 1985 Sep;7(5):373-6 (Eng. Abstr.) **(Chi)**

[Clinical trial of atracurium besylate for a patient with myasthenia gravis] Hamaguchi Y, et al. **Masui** 1985 Sep; 34(9):1275-9 (Eng. Abstr.) **(Jpn)**

[An operated case of thymoma with pure red cell aplasia—review of the Japanese literature] Arimura T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Sep; 33(9):1351-6 (Eng. Abstr.) **(Jpn)**

[Myasthenia gravis and malignant thymoma in pregnancy: a case report] Watanabe S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Feb;38(2):273-6 **(Jpn)**

[Transthoracic approach to the thymus gland] Ratner GL. **Vestn Khir** 1985 Oct;135(10):19-21 (Eng. Abstr.) **(Rus)**

VETERINARY

Thymoma with distant metastases in a cat. Middleton DJ, et al. **Vet Pathol** 1985 Sep;22(5):512-4

THYMOPOIETINS see under **THYMUS HORMONES**

THYMOSIN

The primary structure of rat parathymosin. Komiyama T, et al. **Proc Natl Acad Sci USA** 1986 Mar;83(5):1242-5

ANALOGS & DERIVATIVES

Thymosin beta 4 is a shared antigen between lymphoid cells and oligodendrocytes of normal human brain. Dalakas MC, et al. **Ann Neurol** 1986 Apr;19(4):349-55

The influence of thymus factor X (TFX) and its fraction V on the haemodynamic and haemopoietic functions. Raberger G, et al. **Arch Immunol Ther Exp (Warsz)** 1985; 33(2):319-24

Elevated thymosin alpha 1 levels in Brazilian pemphigus foliaceus. Roscoe JT, et al. **Br J Dermatol** 1986 Aug; 115(2):147-50

Modulation of natural killer activity by thymosin alpha 1 and interferon. Favalli C, et al. **Cancer Immunol Immunother** 1985;20(3):189-92

In vitro effect of thymosin alpha 1 on the expression of peanut agglutinin binding by murine thymocytes. Rinaldi-Garaci C, et al. **Cell Immunol** 1986 Aug;101(1):8-14

Synthesis and immunological effect of deacetyl-thymosin alpha 11 on low E-rosette-forming cells of a rheumatoid arthritis patient. Abiko T, et al. **Chem Pharm Bull (Tokyo)** 1985 Dec;33(12):5419-27

Interleukin-2 and aging: decreased interleukin-2 production in healthy older people does not correlate with reduced helper cell numbers or antibody response to influenza vaccine and is not corrected in vitro by thymosin alpha 1. Ershler WB, et al. **Immunopharmacology** 1985 Aug; 10(1):11-7

Reconstitution of T cell functions in aging mice by thymosin alpha 1. Frasca D, et al. **Immunopharmacology** 1986 Jun; 11(3):155-63

Enhancement of helper and suppressor T cell activities by thymosin alpha 1 injection in old mice. Frasca D, et al. **Immunopharmacology** 1985 Aug;10(1):41-9

Effect of thymosin alpha one on specific antibody response and susceptibility to infection in young and aged mice. Ershler WB, et al. **Int J Immunopharmacol** 1985;7(4):465-71

Thymosin effects on immunoglobulin synthesis and suppressor T cell activity in normal subjects and patients with primary biliary cirrhosis. Kilby AE, et al. **Int J Immunopharmacol** 1986;8(1):119-24

In vitro modulation of purine enzyme metabolism and lymphocyte surface marker expression by thymosin fraction 5 in homosexual males. Murray JL, et al. **Int J Immunopharmacol** 1985;7(5):661-9

Thymosin alpha 1 exerts protective effect against the 5-FU induced bone marrow toxicity. Ohta Y, et al. **Int J Immunopharmacol** 1985;7(5):761-8

Synthesis of thymosin alpha 1 by fragment condensation using tert.-butyl side chain protection. Felix AM, et al. **Int J Pept Protein Res** 1985 Aug;26(2):130-48

A radioimmunoassay for thymosin alpha-1. Incefy GS, et al. **J Immunol Methods** 1986 May 1;89(1):9-17

Circulating thymulin and thymosin-alpha 1 activity in pediatric acquired immune deficiency syndrome: in vivo and in vitro studies. Rubinstein A, et al. **J Pediatr** 1986 Sep;109(3):422-7

Marked reduction in percentage of rosette-forming thymocytes of rats during induction of bladder tumors and restorative effect of thymosin in vitro. Kimura S, et al. **JNCI** 1986 Apr;76(4):661-7

Prothymosin alpha and alpha 1-like peptides. Haritos AA, et al. **Methods Enzymol** 1985;116:255-65

Thymosin beta 4-like peptides. Horecker BL, et al. **Methods Enzymol** 1985;116:265-9

Thymosin fraction 5 and 5A. Low TL, et al. **Methods Enzymol** 1985;116:219-33

Thymosin alpha 1 and polypeptide beta 1. Low TL, et al. **Methods Enzymol** 1985;116:233-48

Thymosin beta 4. Low TL, et al. **Methods Enzymol** 1985; 116:248-55

The primary structure of rat parathymosin. Komiyama T, et al. **Proc Natl Acad Sci USA** 1986 Mar;83(5):1242-5

Modulation of interleukin 2 receptor expression on normal human lymphocytes by thymic hormones. Sztein MB, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(16):6107-11

Neutralization of HTLV-III/LAV replication by antiserum to thymosin alpha 1. Sarin PS, et al. **Science** 1986 May 30;232(4754):1135-7

[Interaction of thymosin fraction 3 with opiate receptors] Zozulia AA, et al. **Biull Eksp Biol Med** 1986 Mar; 101(3):298-300 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

[Induction of substances with thymosin-like activity and the potentiation of interferonogenesis in the mechanism of prodigiozan inhibition of 3-methylcholanthrene-induced blastomogenesis] Grinevich IuA, et al. **Eksp Onkol** 1986; 8(2):35-8, 70 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Thymosins, lymphokines, and the immunology of aging. Zatz MM, et al. **Gerontology** 1985;31(4):263-77 (76 ref.)

METABOLISM

[Interaction of thymosin fraction 3 with opiate receptors] Zozulia AA, et al. **Biull Eksp Biol Med** 1986 Mar; 101(3):298-300 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

The influence of thymosin (TEX) on antigen-induced primary and secondary antibody responses of mice. Gaciong Z, et al. **Arch Immunol Ther Exp (Warsz)** 1985; 33(2):311-7

Soybean lectin-responding cells in human tonsil—I. Separation of soybean lectin-responding cells and an alteration of the responsiveness of the separated cells by thymosin. Kinoshita Y, et al. **Cell Mol Biol** 1986; 32(4):399-406

Soybean lectin-responding cells in human tonsil—II. An induction of concanavalin A-responsiveness and E-rosette-forming capacity to soybean lectin-responding cells by thymosin. Kinoshita Y, et al. **Cell Mol Biol** 1986; 32(4):407-10

[Effects of thymosin on the humoral immune response to antibody-dependent cell cytotoxicity] Gencheva G, et al. **Eksp Med Morfol** 1985;24(2):20-5 (Eng. Abstr.) **(Bul)**

[Effect of alpha-1-thymosin on intracellular cyclic AMP in mouse thymic subpopulations] Baldassarre AM, et al. **Boll Soc Ital Biol Sper** 1985 Dec 30;61(11-12):1559-63 (Eng. Abstr.) **(Ita)**

[Effect of immunomodulators on the production of interleukin 2] Skotnicki AB. **Przegl Lek** 1985;42(7):573-9 (Eng. Abstr.) **(Pol)**

[Thymosin restoration of the interferon-synthesizing capacity of the splenocytes in mice undergoing stress exposure] Nosik NN, et al. **Vopr Virusol** 1985 Nov-Dec;30(6):729-32 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

[The immune system: hormones and mediators] Petrov RV, et al. **Probl Endokrinol (Mosk)** 1985 Sep-Oct;31(5):13-20 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

An assessment of thymosine in the treatment of patients suffering from myocarditis with decreased cell-mediated-immunity. Chen SX, et al. **Chin Med J [Engl]** 1985 Nov;98(11):841-6

TFX immunotherapy in children with ALL during remission. Traczewska M, et al. **Folia Haematol (Leipz)** 1985; 112(4):525-36

[Changes in the concentration of collagen, elastin and GAG in the aorta of rabbits with experimental atherosclerosis treated with thymosin] Antov G, et al. **Eksp Med Morfol** 1986;25(2):1-5 (Eng. Abstr.) **(Bul)**

[Effect of thymus gland preparations on T- and B-lymphocytes in experimental tuberculosis] Kononko IV. **Probl Tuberk** 1986;(2):55-8 (Eng. Abstr.) **(Rus)**

THYMOXAMINE

BLOOD

GLC method for the quantification of metabolites of thymoxamine in human plasma. Hengy H, et al. **Eur J Drug Metab Pharmacokinet** 1985 Jul-Sep;10(3):203-8

DIAGNOSTIC USE

Differential effects of alpha-adrenoceptor blockade on essential, physiological and isoprenaline-induced tremor: evidence for a central origin of essential tremor. Abila B, et al. **J Neurol Neurosurg Psychiatry** 1985 Oct; 48(10):1031-6

METABOLISM

Metabolism of thymoxamine. III. Structure elucidation of the metabolites and interspecies comparison. Vollmer KO, et al. **Eur J Drug Metab Pharmacokinet** 1985 Apr-Jun; 10(2):139-45

THERAPEUTIC USE

Thymoxamine: a miotic for intraocular use. Grehn F, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(2):174-8

Ergotamine-induced peripheral ischaemia reversed by oral thymoxamine hydrochloride. Jones NS, et al. **Hum Toxicol** 1986 Jan;5(1):61-2

[Thymoxamine: an alpha receptor antagonist for miosis] Grehn F, et al. **Fortschr Ophthalmol** 1985;82(6):609-12 (Eng. Abstr.) **(Ger)**

THYMOXYALCYLAMINE see **THYMOXAMINE**

THYMUS-DEPENDENT LYMPHOCYTES see **T LYMPHOCYTES**

THYMUS EXTRACTS

ADMINISTRATION & DOSAGE

The changes of serum antithrombin III levels induced by thymus extract administration [letter] Jevremović M, et al. **Thymus** 1986;8(1-2):95-6

[Comparison of oral administration and intramuscular injection of thymus preparations on the leukopoiesis test in rats and some of the preventive possibilities emerging from the results] von Ardenne M, et al. **ZFA** 1985 Jul-Aug; 40(4):225-34 (Eng. Abstr.) **(Ger)**

[Clinical trial of the treatment of dermatomyositis with TFX Polfa] Zduńczyk A, et al. **Pol Tyg Lek** 1985 Sep 30; 40(39):1103-5 (Eng. Abstr.) **(Pol)**

[Complex therapy of patients with destructive pulmonary tuberculosis using chemotherapeutic agents combined with T-activin] Gergert VIa, et al. **Probl Tuberk** 1986;(2):28-31 (Eng. Abstr.) **(Rus)**

METABOLISM

Localization of thymostimulin in mouse and rat thymuses. Aita M, et al. **Basic Appl Histochem** 1986;30(1):53-9

PHARMACODYNAMICS

The influence of thymus factor X (TFX) and its fraction V on the haemodynamic and haemopoietic functions. Raberger G, et al. **Arch Immunol Ther Exp (Warsz)** 1985; 33(2):319-24

Thymostimulin as an immunomodulator in gynaecological oncology [letter] Corradi G, et al. **Biomed Pharmacother** 1985;39(8):448-9

Effect of a thymus fraction on the small apo B of rats fed a diet rich in cholesterol. Mondola P, et al. **Boll Soc Ital Biol Sper** 1985 Jun 30;61(6):841-6

The serum apo E in rats following cholesterol diet and thymus treatment. Santangelo F, et al. **Boll Soc Ital Biol Sper** 1985 Jun 30;61(6):847-52

Human chorionic gonadotropin binding to rat testis receptors is inhibited by a thymus factor. Hiriart M, et al. **Life Sci** 1986 Mar 3;38(9):789-95

A thymus factor influences the in vitro testosterone secretion of Leydig cells in the rat. Pedernera E, et al. **Life Sci** 1986 Mar 3;38(9):779-87

In vitro effect of a bovine thymic extract (thymostimulin) on T-cell differentiation in cord blood lymphocytes. Lin CY, et al. **Pediatr Pharmacol (New York)** 1985;5(3):181-7

In vitro and in vivo induction of terminal deoxynucleotidyl transferase activity in bone marrow cells by thymic humoral factors derived from a tumor cell of thymic epithelial origin. Koninkx JF, et al. **Thymus** 1986; 8(1-2):45-58

Do early fetal calf thymus and blood serum contain the factors inhibiting the lipid peroxidation? Pawlikowski M, et al. **Thymus** 1985;7(5):323-6

The effect of calf thymus extract (TFX) on human T lymphocyte and neutrophil mobility and chemotactic response in vitro. Smogorzewska EM, et al. **Thymus** 1985; 7(4):257–60

The influence of thymus extract (TFX) on the phagocytosis and the bactericidal capacity of polymorphonuclear neutrophils from patients with insulin-dependent diabetes mellitus. Wysocki H, et al. **Thymus** 1985;7(5):271–8

[Thymus–hypophysis–thyroid interrelation in rats after administration of a heterologous extract of thymus gland] Santangelo F, et al. **Ann Endocrinol (Paris)** 1985;46(6):411–3 (Eng. Abstr.) **(Fre)**

[Comparison of the leukopoietic effect of NeyTumorin, NeyThymun and 2-cyanethyl-carbamide] von Ardenne M, et al. **Pharmazie** 1986 Apr;41(4):263–5 (Eng. Abstr.) **(Ger)**

[Action of T-activin on human natural killer activity in vitro] Cheknev SB, et al. **Biull Eksp Biol Med** 1986 Apr; 101(4):455–7 (Eng. Abstr.) **(Rus)**

[Correction of immunoregulatory disorders in seronegative and seropositive rheumatoid arthritis] Seisenbaev ASh. **Ter Arkh** 1985;57(8):132–5 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Study of thymic hormone therapy for histiocytosis X [letter] Osband ME. **Am J Dis Child** 1986 Mar;140(3):191

Thymostimulin in treatment of psoriasis [letter] Pedragosa R, et al. **Arch Dermatol** 1986 Jun;122(6):624

Effectiveness of thymostimulin treatment in hepatitis B surface antigen–positive chronic active liver disease. Results of a randomized clinical trial. Romeo F, et al. **Arzneimittelforschung** 1985;35(8):1317–22

Activity of a bovine thymic extract (thymostimulin) in mouse subacute experimental hepatitis: biochemical, immunological and histological findings. Manganaro M, et al. **Cell Mol Biol** 1985;31(6):433–44

Clinical improvement and partial correction of the T cell defects of acquired immunodeficiency syndrome (AIDS) and lymphoadenopathy syndrome (LAS) by a calf thymus acid lysate [letter] Valesini G, et al. **Eur J Cancer Clin Oncol** 1986 Apr;22(4):531–2

Use of a thymic factor in the prevention of postoperative infections. Terrizzi A, et al. **Ital J Surg Sci** 1985;15(3):243–8

Increase of OKT4+ cells during treatment with thymostimulin in parenteral drug addicts with persistent generalized lymphadenopathy. Lazzarin A, et al. **J Clin Lab Immunol** 1986 Jun;20(2):57–61

Thymostimulin in the treatment of chronic candidiasis in children. Blaim A, et al. **Master Med Pol** 1985 Apr–Jun; 17(2):111–4

Thymostimulin therapy in patients with measles meningoencephalitis. Tovo PA, et al. **Thymus** 1986; 8(1–2):91–4

[Clinical and immunologic studies of the use of thymus polypeptide factor (thymostimulin) in chronic mucocutaneous candidiasis] Lutz G, et al. **Hautarzt** 1986 Mar;37(3):142–5 (Eng. Abstr.) **(Ger)**

[Clinical experience with thymostimulin (TP-1) therapy. Preliminary findings] Altomonte L, et al. **Minerva Med** 1986 Jun 23;77(26):1243–7 (Eng. Abstr.) **(Ita)**

[Italian multicenter experience in the treatment of neuroblastoma and soft tissue sarcoma] Madon E, et al. **Minerva Pediatr** 1985 Sep 15;37(17):603–10 **(Ita)**

[A thymus extract (thymomodulin) in the prevention of childhood asthma] Genova R, et al. **Pediatr Med Chir** 1983 Sep–Oct;5(5):395–402 (Eng. Abstr.) **(Ita)**

[Evaluation of the results of the treatment of patients with subacute sclerosing panencephalitis with TFX–Polfa] Vainiene M, et al. **Neurol Neurochir Pol** 1985 Jul–Aug; 19(4):286–90 (Eng. Abstr.) **(Pol)**

[A case of nonspecific inflammation of the large and small intestine treated with the preparation TFX] Kiczka W, et al. **Pol Tyg Lek** 1986 Feb 10;41(6):187–9 **(Pol)**

[Clinical trial of treatment with the preparation TFX "Polfa" of 4 patients with acquired immunologic deficiency syndromes] Romański B, et al. **Pol Tyg Lek** 1985 Oct 7–14; 40(40–41):1139–42 (Eng. Abstr.) **(Pol)**

[T-activin in the complex treatment of patients with pulmonary tuberculosis] Ivanova LA, et al. **Probl Tuberk** 1986;(5):37–40 (Eng. Abstr.) **(Rus)**

[Effect of thymus gland preparations on T- and B-lymphocytes in experimental tuberculosis] Kosonko IV. **Probl Tuberk** 1986;(2):55–8 (Eng. Abstr.) **(Rus)**

[Experience with the use of T-activin in the treatment of psoriasis] Korotkil NG, et al. **Vestn Dermatol Venerol** 1985 Jul;(7):48–51 (Eng. Abstr.) **(Rus)**

[Prospects of using immunocorrective treatment with an active thymus factor (taktivin) in dermatology] Skripkin IuK, et al. **Vestn Dermatol Venerol** 1986;(4):4–7 (Eng. Abstr.) **(Rus)**

[Use of T-activin for immunoregulation in recurrent ophthalmoherpes] Malchuk IuF, et al. **Vestn Oftalmol** 1985 Sep–Oct;101(5):44–8 (Eng. Abstr.) **(Rus)**

THYMUS GLAND

see related
BURSA OF FABRICIUS

"T-cells" in nude rats.Vaessen LM, et al. **Adv Exp Med Biol** 1985;186:313–21

Histiocytosis X of the thymus in association with myasthenia gravis. Bramwell NH, et al. **Am J Clin Pathol** 1986 Aug; 86(2):224–7

Intrathyroid thymoma [letter] Neill J. **Am J Surg Pathol** 1986 Sep;10(9):660–1

Cervical thymoma. Martin JM, et al. **Arch Pathol Lab Med** 1986 Apr;110(4):354–7

Thymic involution in the suspended rat: adrenal hypertrophy and glucocorticoid receptor content. Steffen JM, et al. **Aviat Space Environ Med** 1986 Feb;57(2):162–7

Allergic angiitis and granulomatosis (Churg–Strauss syndrome): report of a case with massive thymic involvement in a nonasthmatic patient. Jessurun J, et al. **Hum Pathol** 1986 Jun;17(6):637–9

Rapid induction of thymic lymphomas by isopropyl methanesulfonate: a preliminary report. Segal A, et al. **Proc Soc Exp Biol Med** 1986 Oct;183(1):132–5

Metastasizing ectopic thymoma arising in the right thoracic cavity and mimicking diffuse pleural mesothelioma—an autopsy study of a case with review of literature. Honma K, et al. **Wien Klin Wochenschr** 1986 Jan 10;98(1):14–20

[Cervical tumors of thymic origin in children] Vanneuville G, et al. **Chir Pediatr** 1985;26(2):104–6 (Eng. Abstr.) **(Fre)**

ABNORMALITIES

A thymus gland behind the brachiocephalic vein in a patient with myasthenia gravis. Graham TR, et al. **Int J Cardiol** 1986 Jul;12(1):99–102

Defective development of the thymus and immunological abnormalities in the neurological mouse mutation "staggerer". Trenkner E, et al. **J Neurosci** 1986 Jun; 6(6):1733–7

[A variant of thymus gland duplication] Ippolitov IKh, et al. **Khirurgiia (Mosk)** 1985 Dec;(12):119–20 **(Rus)**

ANALYSIS

Anti-rabbit thymus actin antibody inhibits proliferation of Epstein–Barr virus–transformed human B cell line LA350: augmentation by cyclic AMP. Shearer WT, et al. **Biochem Biophys Res Commun** 1985 Oct 30;132(2):837–43

Chemical modification of nucleic acids. Methylation of calf thymus DNA investigated by mass spectrometry and liquid chromatography. Ashworth DJ, et al. **Biomed Mass Spectrom** 1985 Jul;12(7):309–18

Protein HMG1 is different from a DNA helix unwinding protein in calf thymus. Marekov LN, et al. **Biosci Rep** 1986 Feb;6(2):137–42

Characterization of a monoclonal antibody, RTE-21, that binds to keratohyalin granule-associated proteins in epithelial cells of human skin and thymus. Laster AJ, et al. **Clin Immunol Immunopathol** 1986 Oct;41(1):130–44

Isolation and purification of a small peptide with activity of increasing E-receptor expression from calf thymus. Xu CS, et al. **Immunol Invest** 1985 Aug;14(4):355–65

Rabbit thymus gangliosides: species- and organ-specific distribution, age-dependence and their cell biological significance. Iwamori M, et al. **J Biochem (Tokyo)** 1985 Dec;98(6):1561–9

High pressure liquid chromatography purification of UP1 and UP2, two related single-stranded nucleic acid–binding proteins from calf thymus. Merrill BM, et al. **J Biol Chem** 1986 Jan 15;261(2):878–83

Progestin receptor in the thymus of ovariectomized immature rats. Fujii-Hanamoto H, et al. **J Endocrinol** 1985 Nov; 107(2):223–9

Cytosol and nuclear levels of thymic progesterone receptors in pregnant, pseudopregnant and steroid-treated rats. Pearce P, et al. **J Steroid Biochem** 1986 Jul;25(1):65–9

Isolation and characteristics of a leukemia-growth-promoting factor from calf thymus. Miyazawa T, et al. **Leuk Res** 1985;9(11):1315–21

S100-protein-containing dendritic cells in fetal and newborn epidermis and thymus. Penneys NS, et al. **Pediatr Dermatol** 1986 Jun;3(3):226–9

Activation of human monocyte and natural killer cell–mediated tumour cell killing by two dialysable thymic factors. Hamprecht K, et al. **Scand J Immunol** 1986 Jul; 24(1):59–71

The neuroendocrine thymus: coexistence of oxytocin and neurophysin in the human thymus. Geenen V, et al. **Science** 1986 Apr 25;232(4749):508–11

[Immunochemical characterization of molecules identified in human thymic epithelium by anti-thymulin monoclonal antibodies] Savino W, et al. **C R Acad Sci [III]** 1985; 301(11):577–9 (Eng. Abstr.) **(Fre)**

[Neuroendocrine function of the thymus gland] Geenen V. **Rev Med Liege** 1986 Jul 1–15;41(13–14):566–74 **(Fre)**

[The chemistry of natural products. 93. Detection of 1-O-alkylglycerins in lipid extracts of the adult human thymus] Reisch J, et al. **Arch Pharm (Weinheim)** 1985 Nov; 318(11):989–91 (Eng. Abstr.) **(Ger)**

[Lipid composition of immunocompetent organs of tumor-bearing rats] Burkhanov SA, et al. **Biokhimiia** 1986 Jun;51(6):970–3 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Corticosterone: narrow range required for normal body and thymus weight and ACTH. Akana SF, et al. **Am J Physiol** 1985 Nov;249(5 Pt 2):R527–32

Seasonal changes in the thymus and spleen of the turtle, Mauremys caspica. A morphometrical, light microscopical study. Leceta J, et al. **Dev Comp Immunol** 1985 Fall; 9(4):653–68 (59 ref.)

Normal thymus: assessment with MR and CT. de Geer G, et al. **Radiology** 1986 Feb;158(2):313–7

The involution of the ageing human thymic epithelium is independent of puberty. A morphometric study. Steinmann GG, et al. **Scand J Immunol** 1985 Nov;22(5):563–75

[Structure of the thymus, iliac and mesenteric lymph nodes in the rat at different stages of pregnancy] Dolgova MA, et al. **Arkh Anat Gistol Embriol** 1985 Oct;89(10):71–6 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

[Prethymic position of the left brachiocephalic vein in the human fetus] Heil C, et al. **Anat Anz** 1985;160(2):141–4 **(Ger)**

CYTOLOGY

Thymus homing clonogenic bone marrow cells. Ezine S, et al. **Adv Exp Med Biol** 1985;186:223–7

Stromal cell populations in the developing thymus of normal and nude mice. Jenkinson EJ, et al. **Adv Exp Med Biol** 1985;186:245–9

Intrathymic differentiation in the rat. Joling P, et al. **Adv Exp Med Biol** 1985;186:235–44

Studies on the role of the thymus in the selection and clonal expansion of T-cell precursors. Jordan RK, et al. **Adv Exp Med Biol** 1985;186:261–71

The relation between thymic interdigitating cells and dendritic cells. Kamperdijk EW, et al. **Adv Exp Med Biol** 1985;186:307–12

T cell differentiation within TNC related lympho-epithelial complexes in the thymus cortex. Leene W, et al. **Adv Exp Med Biol** 1985;186:299–305

TMF, a thymic epithelial glycoprotein: chemotaxis of hematopoietic precursor cells. Potworowski EF, et al. **Adv Exp Med Biol** 1985;186:683–91

Heterogeneity of human thymus epithelial cells revealed by monoclonal anti-epithelial cell antibodies. Ritter MA, et al. **Adv Exp Med Biol** 1985;186:283–8

The role of the thymic cortex and medulla in T cell differentiation. Scollay R, et al. **Adv Exp Med Biol** 1985; 186:229–34

Effect of sympathectomy on the maturation of fetal thymocytes grown within the anterior eye chambers in mice. Singh U. **Adv Exp Med Biol** 1985;186:349–56

Culture of mouse thymic epithelial cells and studies of age-related changes. Small M, et al. **Adv Exp Med Biol** 1985;186:273–82

Characterization of T cell growth factor responsive thymocytes in guinea pigs. Söder O, et al. **Adv Exp Med Biol** 1985;186:693–700

Metallophilic and PAS-positive cells of the rat thymus, topographical distribution and histological properties after the application of cyclophosphamide. Milićević NM, et al. **Anat Histol Embryol** 1985 Dec;14(4):359–64

Astrocyte growth enhanced by culture supernatant of a cloned rat thymic myoid cell. Tada-Kikuchi A, et al. **Brain Res** 1985 Dec 2;348(2):304–8

Expression of antigen-specific, major histocompatibility complex-restricted receptors by cortical and medullary thymocytes in situ. Farr AG, et al. **Cell** 1985 Dec;43(2 Pt 1):543–50

Immunofluorescent flow cytometry in N dimensions. The multiplex labeling approach. Buican TN, et al. **Cell Biophys** 1985 Jun;7(2):129–56

Multicellular complexes of thymocytes and different types of thymic stromal cells in the mouse. Brelińska R, et al. **Cell Tissue Res** 1986;244(3):673–9

Immunohistochemical characterization of the thymic microenvironment. A light-microscopic and ultrastructural immunocytochemical study. von Gaudecker B, et al. **Cell Tissue Res** 1986;244(2):403–12

Neural crest and thymic myoid cells. Nakamura H, et al. **Curr Top Dev Biol** 1986;20:111–5 (18 ref.)

Development of T lymphocytes within the thymus and within thymic nurse cells. Shortman K, et al. **Curr Top Microbiol Immunol** 1986;126:5–18

Differentiation and cell division in the mammalian thymus. Rothenberg E, et al. **Dev Biol** 1985 Nov;112(1):1–17 (105 ref.)

The human thymic microenvironment: thymic epithelium contains specific keratins associated with early and late stages of epidermal keratinocyte maturation. Laster AJ, et al. **Differentiation** 1986;31(1):67–77

The limited immunocompetence of thymocytes within murine thymic nurse cells. Andrews P, et al. **Eur J Immunol** 1985 Oct;15(10):1043–8

Discrete stages of human thymocyte activation and maturation in vitro: correlation between phenotype and function. Blue ML, et al. **Eur J Immunol** 1986 Jul; 16(7):771–7

Epithelial cell heterogeneity in the guinea pig thymus: immunohistochemical characterization of four thymic epithelial subsets defined by monoclonal anti-keratin antibodies. Nicolas JF, et al. **Eur J Immunol** 1986 Apr; 16(4):457–64

Requirements for growth of immature thymocytes from fetal and adult mice in vitro. Palacios R, et al. **Eur J Immunol** 1986 Jan;16(1):12–9

Control of Ia antigen expression on phagocytic cells of the thymic reticulum by interferon-gamma and prostaglandins.

Papiernik M, et al. **Eur J Immunol** 1986 Mar;16(3):296–300
Regulation of thymocyte proliferation and survival by deoxynucleosides. Deoxycytidine produced by thymic accessory cells protects thymocytes from deoxyguanosine toxicity and stimulates their spontaneous proliferation. Penit C, et al. **Eur J Immunol** 1986 Mar;16(3):257–63
Construction of chimeric thymuses in the mouse fetus by in utero surgery. Salaün J, et al. **Eur J Immunol** 1986 May; 16(5):523–30
Thymic nurse cells: a school for alloreactive and autoreactive cortical thymocytes? Wick G, et al. **Eur J Immunol** 1986 Jul;16(7):855–8
Dexamethasone-induced changes in morphology and keratin organization of rat thymic epithelial cells in primary culture. Masuda A, et al. **Exp Cell Res** 1985 Oct; 160(2):343–55
Sequential X-chromosome reactivation and inactivation in cell hybrids between murine embryonal carcinoma cells and female rat thymocytes. Okuyama K, et al. **Exp Cell Res** 1986 Jun;164(2):323–34
Thymus cell migration in a prostaglandin-mediated system. Koga Y, et al. **Immunobiology** 1985 Jul;169(5):486–502
Studies on thymocyte subpopulations in guinea pigs. VII. Characterization of cell populations responsive to guinea pig interleukin 1 and interleukin 2. Sandberg G, et al. **Immunobiology** 1985 Dec;170(5):448–59
Indomethacin-induced sialic acid-mediated changes in surface markers from "cortical type" to "medullary type" in murine thymoma line EL-4. Tomooka S, et al. **Immunobiology** 1986 Jul;171(4–5):345–56
IL 2 receptor expression on differentiating lymphocytes in the murine thymocyte. Habu S. **Immunol Rev** 1986 Aug; 92:67–80 (30 ref.)
Kinetic study of Kurloff cells in guinea pig thymus. Sandberg G, et al. **Int Arch Allergy Appl Immunol** 1986;80(3):267–73
Cytotoxic effect of heterologous and autologous serum factor on guinea pig thymocytes assayed by electronic cell volume distribution analysis. Sandberg G, et al. **Int Arch Allergy Appl Immunol** 1986;79(4):404–12
c-fos and c-myc gene activation, ionic signals, and DNA synthesis in thymocytes. Moore JP, et al. **J Biol Chem** 1986 Jun 25;261(18):8158–62
Specific bioactivities of monocyte-derived interleukin 1 alpha and interleukin 1 beta are similar to each other on cultured murine thymocytes and on cultured human connective tissue cells. Rupp EA, et al. **J Clin Invest** 1986 Sep; 78(3):836–9
Studies of thymocytopoiesis in rats and mice. I. Kinetics of appearance of thymocytes using a direct intrathymic adoptive transfer assay for thymocyte precursors. Goldschneider I, et al. **J Exp Med** 1986 Jan 1;163(1):1–17
Intrathymic presentation of circulating non-MHC antigens by medullary dendritic cells. An antigen-dependent microenvironment for T cell differentiation. Kyewski BA, et al. **J Exp Med** 1986 Feb 1;163(2):231–46
Female popliteal lymph node responses to H-Y antigen on male thymocytes in mice. II. H-2 restriction of secondary responses. Králová J, et al. **J Immunogenet** 1985 Aug–Oct; 12(4–5):221–8
Interactions and quantitative analysis of immunoregulatory cells in the chicken thymus. Boyd RL, et al. **J Immunol** 1985 Nov;135(5):3039–49
I-A-positive nonlymphoid cells and T cell development in murine fetal thymus organ cultures: interleukin 1 circumvents the block in T cell differentiation induced by monoclonal anti-I-A antibodies. DeLuca D, et al. **J Immunol** 1986 Sep 1;137(5):1435–41
Ontogeny of lymphocyte homing receptor expression in the mouse thymus. Reichert RA, et al. **J Immunol** 1986 May 15;136(10):3535–42
Analysis of hemopoietic lineage of accessory cells in the developing thymus of Xenopus laevis. Turpen JB, et al. **J Immunol** 1986 Jan;136(2):412–21
Analysis of thymic epithelial cell proliferation in vitro by combining bromodeoxyuridine and keratin labeling in an immunofluorescence assay. Savino W, et al. **J Immunol Methods** 1985 Dec 17;85(1):221–6
T cell differentiation within thymic nurse cells. de Waal Malefijt R, et al. **Lab Invest** 1986 Jul;55(1):25–34
Nursing the thymus [editorial] Weissman IL. **Lab Invest** 1986 Jul;55(1):1–4
Accessory function of thymic and tonsillar dendritic cells in interferon gamma production by T lymphocytes. Le J, et al. **Lymphokine Res** 1986 Summer;5(3):205–13
Identity of cells that imprint H-2-restricted T-cell specificity in the thymus. Lo D, et al. **Nature** 1986 Feb 20–26; 319(6055):672–5
Function of thymic reticuloepithelial cells in mice. I. Thymic reticuloepithelial cells and T-cell differentiation. Minoda M, et al. **Nippon Ketsueki Gakkai Zasshi** 1985 Jul; 48(4):992–1002
Effect of UV radiation on the DNA synthesis of human thymocytes cultured in vitro. Nordlind K, et al. **Photodermatol** 1986 Jun;3(3):190–1
Human thymocytes bind to autologous and allogeneic thymic epithelial cells in vitro. Singer KH, et al. **Proc Natl Acad Sci USA** 1986 Sep;83(17):6588–92
Mast cells induced in vitro by interleukin 3 from native murine thymus cells. Kawanishi H, et al. **Scand J Immunol** 1986 Jul;24(1):29–38
The mature, mitogen-responsive, human thymocyte population comprises two functionally distinct T-cell subsets differing in exogenous interleukin requirements for mitogenesis and in sensitivity to glucocorticoids. Ranelletti FO, et al. **Scand J Immunol** 1986 Apr;23(4):407–14
Macrophages in the thymus. Wood GW. **Surv Immunol Res** 1985;4(3):179–91 (71 ref.)
Response to ConA and PHA of host and donor thymic cells in radiation bone marrow chimeras. Daculsi R, et al. **Thymus** 1986;8(1–2):13–24
Separation and characterization of rat thymocyte subpopulations. Kasahara S, et al. **Thymus** 1985;7(5):301–16
The cell content and proliferative response of the rat thymus during first syngeneic and allogeneic pregnancy, and the effects of strain difference. Leeming G, et al. **Thymus** 1985; 7(4):247–55
Relevance of "nurse cells' in histophysiology of lymphoid tissues. Schuurman HJ, et al. **Thymus** 1985;7(5):317–22
Rat thymus macrophages: an immunohistochemical study on fetal, neonatal and adult thymus. Sminia T, et al. **Thymus** 1986;8(3):141–50
Naphthol AS D chloroacetate esterase-positive macrophages in the cortico-medullary zone of the normal rat thymus. Milićević NM, et al. **Virchows Arch [Cell Pathol]** 1985; 50(2):193–8
[Effect of thymic peptides on the mitogen-induced proliferation of murine thymocyte subpopulations] Chen WF, et al. **Shih Yen Sheng Wu Hsueh Pao** 1985 Sep; 18(3):341–9 (Eng. Abstr.) **(Chi)**
[Hybrids between F9 "nullipotent" teratocarcinoma and rat thymus cells produce differentiated cells] Hsu WM, et al. **Shih Yen Sheng Wu Hsueh Pao** 1985 Jun;18(2):177–87 (Eng. Abstr.) **(Chi)**

DRUG EFFECTS

The effect of dioctyltin dichloride on the thymus and T-cell differentiation in the rat. Nicklin S, et al. **Adv Exp Med Biol** 1985;186:357–65
Thymo-bursal and adrenal modifications induced by triphenyltin compounds in chickens. Guta-Socaciu C, et al. **Arch Exp Veterinarmed** 1986 Mar;40(2):307–11
Prolonged influence of a single neonatal steroid (dexamethasone) treatment on thymocytic steroid binding. Inczefi-Gonda A, et al. **Exp Clin Endocrinol** 1985 Jun; 85(3):358–60
Effects of actinomycin D on mouse thymus in vivo chromatin degradation to nucleosomes and inhibition of RNA and protein synthesis. Ermolaeva NV, et al. **Folia Biol (Praha)** 1986;32(1):36–46
On the mechanism of dialkyltin-induced thymus involution. Penninks A, et al. **Immunopharmacology** 1985 Aug; 10(1):1–10
Dual immunofluorescence studies of cortisone-induced thymic involution: evidence for a major cortical component to cortisone-resistant thymocytes. Reichert RA, et al. **J Immunol** 1986 May 15;136(10):3529–34
Relationship between Ah receptor-mediated polychlorinated biphenyl (PCB)-induced humoral immunosuppression and thymic atrophy. Silkworth JB, et al. **J Pharmacol Exp Ther** 1985 Dec;235(3):606–11
Morphological changes induced by radix et rhizoma rhei in Wistar rats. Hu SK, et al. **J Tradit Chin Med** 1986 Mar; 6(1):37–42
Increased Con-A-induced thymocyte proliferation and de novo Qa-2 antigen expression in Qa-2-depleted thymocyte cultures. Penit C, et al. **Thymus** 1986;8(1–2):25–32
Evidence for direct action of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) on thymic epithelium. Greenlee WF, et al. **Toxicol Appl Pharmacol** 1985 Jun 15;79(1):112–20
Immunological consequences of dioctyltin dichloride (DOTC)-induced thymic injury. Miller K, et al. **Toxicol Appl Pharmacol** 1985 May;78(3):395–403
Effects of subchronic treatment with O,O,S-trimethyl phosphorothioate on cellular and humoral immune response systems. Rodgers KE, et al. **Toxicol Appl Pharmacol** 1985 Nov;81(2):310–8
Polychlorinated dibenzofurans (PCDFs): correlation between in vivo and in vitro structure-activity relationships. Mason G, et al. **Toxicology** 1985 Oct;37(1–2):1–12
Protracted exposure of C57BL/6 mice to 300 ppm benzene depresses B- and T-lymphocyte numbers and mitogen responses. Evidence for thymic and bone marrow proliferation in response to the exposures. Rozen MG, et al. **Toxicology** 1985 Oct;37(1–2):13–26
Triorganotin-induced cytotoxicity to rat thymus, bone marrow and red blood cells as determined by several in vitro assays. Snoeij NJ, et al. **Toxicology** 1986 Apr; 39(1):71–83
[Involution of the thymus in tumor-bearing mice and its restoration by PSK (2)] Oguchi Y, et al. **Gan To Kagaku Ryoho** 1986 Aug;13(8):2645–52 (Eng. Abstr.) **(Jpn)**
[Comparative evaluation of the effect of immunostimulants on the dehydrogenase activity of the mouse thymus] Gapochko KG, et al. **Antibiot Med Biotekhnol** 1985 Aug; 30(8):595–8 (Eng. Abstr.) **(Rus)**
[Effect of a highly dispersed zinc powder on the cAMP phosphodiesterase activity in mouse thymocytes] Rybalkin SD, et al. **Biol Nauki** 1986;(1):30–3 (Eng. Abstr.) **(Rus)**
[Stimulation of the suppressor activity in relation to hematopoietic cells in the mouse thymus as affected by pertussis vaccine] Sanin AV, et al. **Biol Nauki** 1986;(4):20–3 (Eng. Abstr.) **(Rus)**
[The effect of cystaphos on the histologic structure of the thymus in the irradiated rat] Colić M, et al. **Vojnosanit Pregl** 1985 Jul–Aug;42(4):247–53 (Eng. Abstr.) **(Ser)**

EMBRYOLOGY

Precursors of T-cell mitogen reactive cells and their suppressors in the mouse fetal liver. Rosenberg M, et al. **Adv Exp Med Biol** 1985;186:215–21
The embryonic thymus produces chemotactic peptides involved in the homing of hemopoietic precursors. Champion S, et al. **Cell** 1986 Mar 14;44(5):781–90
Thymus development. von Boehmer H. **Curr Top Microbiol Immunol** 1986;126:19–25
The development of the human thymus microenvironment. von Gaudecker B. **Curr Top Pathol** 1986;75:1–41 (152 ref.)
Alteration of the T cell self-specificity repertoire by treatment with anti-Ia antibody during embryonic life. Kimoto M, et al. **Eur J Immunol** 1986 Jul;16(7):835–9
An investigation of T cell receptor gene rearrangement and expression in organ cultures of normal embryonic thymus and Thy-1+ cells of nude mice. Owen MJ, et al. **Eur J Immunol** 1986 Jul;16(7):875–8
A single stem cell can recolonize an embryonic thymus, producing phenotypically distinct T-cell populations. Kingston R, et al. **Nature** 1985 Oct 31–Nov 6; 317(6040):811–3
Evidence for no influence of fetal and maternal adrenalectomy on the development of the fetal thymus in the rat. Inomata T, et al. **Nippon Juigaku Zasshi** 1985 Aug; 47(4):665–8
Origin of the thymic myoid cells in birds. Nakamura H, et al. **Prog Clin Biol Res** 1986;217B:255–8
Do early fetal calf thymus and blood serum contain the factors inhibiting the lipid peroxidation? Pawlikowski M, et al. **Thymus** 1985;7(5):323–6
Contribution to the study of Hassall corpuscles in human fetuses. Liberti EA, et al. **Z Mikrosk Anat Forsch** 1986; 100(2):253–61
[Nuclei of lymphocytes of the T- and B-cell lines during normal embryogenesis and after treatment with hydrocortisone (morphometric and probabilistic-statistical parameters)] Torbek VE, et al. **Arkh Anat Gistol Embriol** 1986 Jun;90(6):43–5 (Eng. Abstr.) **(Rus)**
[Embryonic development of the lymphoepithelial organs in human fetuses] Khlystova ZS, et al. **Vestn Akad Med Nauk SSSR** 1986;(1):42–8 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Terminal deoxynucleotidyl transferase activity in thymocytes of kittens. Richerson JT, et al. **Am J Vet Res** 1985 Dec; 46(12):2616–8
Effect of 4-quinolones and novobiocin on calf thymus DNA polymerase alpha primase complex, topoisomerases I and II, and growth of mammalian lymphoblasts. Hussy P, et al. **Antimicrob Agents Chemother** 1986 Jun;29(6):1073–8
Characterization of the DNA of the hamster papovavirus: IV. Transcription mapping of calf-thymus DNA polymerase II. Vogel F, et al. **Arch Geschwulstforsch** 1986; 56(2):81–7
Ecto-ATPase activity in rat and mouse thymocytes and cytotoxic effects of various chemical substances in vitro. Hennighausen G, et al. **Arch Toxicol [Suppl]** 1985;8:500–3
Production and characterization of monoclonal antibodies specific for the functional domains of poly(ADP-ribose) polymerase. Lamarre D, et al. **Biochem Cell Biol** 1986 Apr; 64(4):368–76
Purification and characterization of two new high molecular weight forms of DNA polymerase delta. Crute JJ, et al. **Biochemistry** 1986 Jan 14;25(1):26–36
Mechanism of action of a mammalian DNA repair endonuclease. Doetsch PW, et al. **Biochemistry** 1986 Apr 22;25(8):2212–20
Identification of a nucleoside triphosphate binding site on calf thymus RNA polymerase II. Freund E, et al. **Biochemistry** 1986 Jan 14;25(1):276–84
Differential modulation by spermidine of reactions catalyzed by type 1 prokaryotic and eukaryotic topoisomerases. Srivenugopal KS, et al. **Biochemistry** 1985 Aug 27; 24(18):4766–71
Phosphorylation of thymus myosin increases its apparent affinity for actin but not its maximum adenosinetriphosphatase rate. Wagner PD, et al. **Biochemistry** 1986 Feb 25;25(4):913–8
Acetylcholinesterase in human thymus cells. Topilko A, et al. **Blood** 1985 Oct;66(4):891–5
Protein carboxyl methylation-demethylation in rat thymocytes. Fetters HA, et al. **Can J Biochem Cell Biol** 1985 Oct;63(10):1112–9
Aggregation states of cyclic nucleotide phosphodiesterase of murine thymocytes. Sobolev AS, et al. **Cell Biochem Funct** 1986 Jul;4(3):205–11
Regulation of ODC activity in the thymus and liver of rats by adrenal hormones. Zahner SL, et al. **Cytobios** 1986; 45(180):25–34
Inhibition of calf thymus type II DNA topoisomerase by poly(ADP-ribosylation). Darby MK, et al. **EMBO J** 1985 Aug;4(8):2129–34
Early effects of TPA on protein kinase activity in murine

thymocytes. Reduction of protein kinase C activity in the cytosol and increase of Ca2+ and phospholipid-independent kinase activity in the particulate fractions. Avissar S, et al. **Exp Cell Res** 1986 Aug; 165(2):353–61

Enzyme cytochemistry combined with electron microscopy, pharmacokinetics, and clinical chemistry for the evaluation of the effects of steady-state valproic acid concentrations on the mouse. Graf R, et al. **Histochemistry** 1985; 83(4):347–58

Purification and properties of mouse thymus thymidylate synthase. Comparison of the enzyme from mammalian normal and tumour tissues. Rode W, et al. **Int J Biochem** 1986;18(4):361–8

The distribution of N-acetyl-beta-glucosaminidase, beta-glucuronidase, acid alpha-naphthyl acetate esterase and alpha-naphthyl acetate esterase in subpopulations of thymocytes, bone marrow cells and other lymphoid organs in mice. Rodriguez-Segade S, et al. **Int J Biochem** 1986; 18(2):149–53

Characterization of DNA primase separated from DNA polymerase alpha-DNA primase complex of calf thymus. Suzuki R, et al. **J Biochem (Tokyo)** 1986 Jun;99(6):1673–9

Arabinosylnucleoside 5'-triphosphate inhibits DNA primase of calf thymus. Yoshida S, et al. **J Biochem (Tokyo)** 1985 Aug;98(2):427–33

Biosynthesis of terminal Gal alpha 1——3Gal beta 1——4GlcNAc-R oligosaccharide sequences on glycoconjugates. Purification and acceptor specificity of a UDP-Gal:N-acetyllactosaminide alpha 1——3-galactosyltransferase from calf thymus. Blanken WM, et al. **J Biol Chem** 1985 Oct 25;260(24):12927–34

The nonhistone chromosomal protein, H2A-specific protease, is selectively associated with nucleosomes containing histone H1. Davie JR, et al. **J Biol Chem** 1986 Aug 5;261(22):10410–6

Immunological analysis of the polypeptide structure of calf thymus DNA polymerase-primase complex. Holmes AM, et al. **J Biol Chem** 1986 Sep 5;261(25):11924–30

An auxiliary protein for DNA polymerase-delta from fetal calf thymus. Tan CK, et al. **J Biol Chem** 1986 Sep 15; 261(26):12310–6

Purification of DNA ligase II from calf thymus and preparation of rabbit antibody against calf thymus DNA ligase II. Teraoka H, et al. **J Biol Chem** 1986 May 25; 261(15):6888–92

Characterization of a Mr = 56,000 polypeptide associated with 10S DNA polymerase alpha purified from calf thymus using monoclonal antibody. Masaki S, et al. **Nucleic Acids Res** 1985 Sep 25;13(18):6635–49

Thyroidal regulation of rat thymic and splenic (Na+ + K+)-adenosine triphosphatase. Klein LE, et al. **Thymus** 1985;7(6):367–76

GROWTH & DEVELOPMENT

Chronic effect of saikosaponin on adrenal and thymus growth in normal and dexamethasone-treated rats. Hiai S, et al. **Chem Pharm Bull (Tokyo)** 1986 Mar;34(3):1195–202

Changes in the human thymus during aging. Steinmann GG. **Curr Top Pathol** 1986;75:43–88 (224 ref.)

Effect of corticosteroids on the thymus of the fish Oryzias latipes. Ghoneum MH, et al. **Dev Comp Immunol** 1986 Winter;10(1):35–44

Rearrangement and expression of T cell antigen receptor and gamma genes during thymic development. Haars R, et al. **J Exp Med** 1986 Jul 1;164(1):1–24

[Structure of the thymus, immune status and the pathological process] Ivanovskaia TE, et al. **Arkh Patol** 1986;48(1):3–9 (21 ref.) (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Reaction of the thymus and the bursa of fabricius in chickens inoculated with Corynebacterium parvum. Giuigea R, et al. **Acta Vet Hung** 1985;33(3–4):163–8

K cell activity is independent of both thymus and spleen. Chassoux DM, et al. **Adv Exp Med Biol** 1985;186:331–9

Footpad responses in nude mice immunized with chicken erythrocytes. Jackson JD, et al. **Adv Exp Med Biol** 1985; 186:471–6

Is Ia antigen expression by thymic epithelial cells constitutive? Rouse RV. **Adv Exp Med Biol** 1985;186:915–9

Graft versus host disease in the rat: Ia expression on target tissues. Stet RJ, et al. **Adv Exp Med Biol** 1985;186:545–54

Phenotypic expression of T lymphocytes in thymus and peripheral lymphoid tissues. Hsu SM, et al. **Am J Pathol** 1985 Oct;121(1):69–78

Thymic epithelium in AIDS. An immunohistologic study. Savino W, et al. **Am J Pathol** 1986 Feb;122(2):302–7

Thymic lymphopoiesis: protected from, or influenced by, external stimulation? Hess MW, et al. **Ann NY Acad Sci** 1985;459:14–21

T cell recruitment from the thymus to the spleen in tumor-bearing mice. I. Analysis of recruited cells by surface markers. Tanaka K, et al. **Cancer Immunol Immunother** 1986;22(1):37–42

Strain-dependence and cellular aspects of the acceleration of age-dependent shift in class-specific helper and suppressor activity in the thymus of MRL/Mp mice by the LPR gene. Clark DA, et al. **Cell Immunol** 1985 Dec; 96(2):418–29

Thymic lymphocytes. III. Cooperative phenomenon in the proliferation of thymocytes under Con A stimulation. Papiernik M, et al. **Cell Immunol** 1986 Jan;97(1):23–33

Cultured human thymus epithelial monolayer cells induce CD4 expression on mononuclear cells of AIDS patients in vitro. Schuurman HJ, et al. **Clin Exp Immunol** 1986 May; 64(2):348–55

Cells involved in the immune response. XXXI. The role of the spleen in the primary and secondary immune responses in the normal adult outbred rabbit: the initial localization of memory cells to the spleen and their subsequent dissemination to the thymus and peripheral lymph nodes. Richter M, et al. **Clin Immunol Immunopathol** 1986 Jan; 38(1):101–10

Major histocompatibility-restricted cytolytic T-lymphocyte precursors from the thymus of in vivo primed mice: increased frequency and resistance to anti-Lyt-2 antibody inhibition. Ceredig R. **Curr Top Microbiol Immunol** 1986; 126:27–33

Thymic stem cells: their interaction with the thymic stroma and tolerance induction. Owen JJ, et al. **Curr Top Microbiol Immunol** 1986;126:35–41

Cellular differentiation of lymphoid subpopulations and their microenvironments in the human thymus. Janossy G, et al. **Curr Top Pathol** 1986;75:89–125 (127 ref.)

The influence of T-lymphocyte precursor cells and thymus grafts on the cellular immunodeficiencies of the BB rat. Francfort JW, et al. **Diabetes** 1985 Nov;34(11):1134–8

Human leukocyte function-associated antigens on lympho-hemopoietic precursor cells. Campana D, et al. **Eur J Immunol** 1986 May;16(5):537–42

T-cell markers in the thymus during methylnitrosourea-induced leukemogenesis. Kreja L, et al. **Immunol Lett** 1986 Mar;12(2–3):115–9

Effect of neuraminidase treatment on the expression of Fc IgG receptors on chicken embryonic bursa and thymus cells. Nowak JS. **Immunol Lett** 1985;10(3–4):141–4

Dynamics of early T cells: prothymocyte migration and proliferation in the adult mouse thymus. Scollay R, et al. **Immunol Rev** 1986 Jun;91:129–57

Postthymic T-cell development. Stutman O. **Immunol Rev** 1986 Jun;91:159–94 (163 ref.)

Suppression of polyclonal immunoglobulin production by a soluble factor produced by a human thymus hybridoma. Murakami M, et al. **Immunopharmacology** 1986 Jun; 11(3):141–54

Thymus dependence of connective tissue mast cells: a quantitative cytofluorometric study of the growth of peritoneal mast cells in normal and athymic rats. Aldenborg F, et al. **Int Arch Allergy Appl Immunol** 1985;78(3):277–82

Prophylactic/therapeutic effects and induction of reversal reactions with thymus transplantation in Mycobacterium leprae-infected nude mice. Kohsaka K, et al. **Int J Lepr Other Mycobact Dis** 1986 Jun;54(2):284–8

Cell-mediated lympholysis (CML) to allogeneic and trinitrophenyl (TNP)-modified cells: re-evaluation of the role of the thymus in CML. Gondo H, et al. **J Clin Lab Immunol** 1985 Jul;17(3):131–6

Female popliteal lymph node responses to H-Y antigen on male thymocytes in mice. I. Regulation of primary and secondary responses by H-2-associated Ir genes. Králová J, et al. **J Immunogenet** 1985 Apr;12(2):87–99

An antibody to human thymic Hassall's body epithelium recognizes a subset of blood group A antigens. Telen MJ. **J Immunogenet** 1985 Feb;12(1):3–15

Exogenous control of I-A expression in fetal thymus explants. Lo D, et al. **J Immunol** 1986 Sep 15;137(6):1772–5

Thymocyte subpopulations during early fetal development in sheep. Mackay CR, et al. **J Immunol** 1986 Mar 1; 136(5):1592–9

T cell specificity in twice-irradiated F1——parent bone marrow chimeras: failure to detect a role for immigrant marrow-derived cells in imprinting intrathymic H-2 restriction. Ron Y, et al. **J Immunol** 1986 Sep 15; 137(6):1764–71

The expression, function, and ontogeny of a novel T cell-activating protein, TAP, in the thymus. Yeh ET, et al. **J Immunol** 1986 Aug 15;137(4):1232–8

Myasthenia gravis: immunohistological heterogeneity in microenvironmental organization of hyperplastic and neoplastic thymuses suggesting different mechanisms of tolerance breakdown. Chilosi M, et al. **J Neuroimmunol** 1986 May;11(3):191–204

Fc gamma receptors and HLA-DR antigens on thymus cells in myasthenia gravis. Gilhus NE, et al. **J Neuroimmunol** 1986 Jan;10(3):271–8

T-cell recruitment from the thymus to the spleen in tumor-bearing mice. II. Functional characteristics of recruited T-cells. Tanaka K, et al. **JNCI** 1986 Sep; 77(3):733–8

A novel cell-surface antigen expressed on most leukocytes and a minor cortisone-resistant population of thymocytes in rats: characterization by monoclonal antibodies. Matsuura A, et al. **Microbiol Immunol** 1985;29(9):873–81

Minor but not major histocompatibility antigens of thymus epithelium tolerize precursors of cytolytic T cells. von Boehmer H, et al. **Nature** 1986 Apr 17–23;320(6063):626–8

Immune response of mice to sarcoma I allograft studied by adoptive transfers of spleen, thymus, and lymph node cells to secondary recipients. Vidrnová M, et al. **Neoplasma** 1985;32(4):451–61

Prostaglandins, cyclic AMP production and biological activity of alloimmune thymocytes. Borda E, et al. **Prostaglandins Leukotrienes Med** 1985 Sep;19(3):197–208

Proliferative kinetics, phenotype and cytotoxic function of thymic and peripheral T-cell colonies. Röpke C, et al. **Scand J Immunol** 1986 Feb;23(2):243–50

New approaches to immunotherapy: thymomimetic drugs. Specter S, et al. **Springer Semin Immunopathol** 1985; 8(4):375–85

Hetero-organic thymus antigens. Beletskaya LV, et al. **Thymus** 1985;7(6):377–85

Isolation and characterization of Thy 1 homologue from human thymus. Bonewald LF, et al. **Thymus** 1985; 7(4):199–209

Expression of major histocompatibility complex antigens in the thymuses of chimeric mice. Rouse RV, et al. **Transplantation** 1985 Oct;40(4):422–6

[Stress-induced changes in the spleen and thymus of the mouse after skin transplantation] Lehmann M, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(3):172–80 (Eng. Abstr.) **(Ger)**

[Clinical examination of thymic abnormalities and thymectomy in patients with ulcerative colitis] Yoshimatsu H, et al. **Nippon Geka Gakkai Zasshi** 1985 Sep;86(9):1301–3 (Eng. Abstr.) **(Jpn)**

[Antibodies reacting with epithelial cells of the thymus and skin in the sera of patients with rheumatism and erysipelas] Ryzhikova EA, et al. **Vestn Akad Med Nauk SSSR** 1986; (7):45–9 (Eng. Abstr.) **(Rus)**

[Possible role of the thymus in the mechanism of the adjuvant effect of retinoic acid] Afanas'ev IuI, et al. **Vopr Med Khim** 1986 May-Jun;32(3):85–7 (Eng. Abstr.) **(Rus)**

METABOLISM

Thymus peptides interacting with opiate receptors. Zozulya AA, et al. **Acta Endocrinol (Copenh)** 1985 Oct;110(2):284–8

Reduced thymic glycocorticoid reception in adult male rats prenatally treated with allylestrenol. Inczefi-Gonda A, et al. **Acta Physiol Hung** 1986;67(1):27–9

B-lymphocytes, thymocytes and platelets accumulate high dATP levels in simulated ADA deficiency. Goday A, et al. **Adv Exp Med Biol** 1986;195 Pt A:515–20

Localization of thymostimulin in mouse and rat thymuses. Aita M, et al. **Basic Appl Histochem** 1986;30(1):53–9

Kinetics of conformational changes in the globular head of calf thymus H1 upon tryptic digestion. Caballero R, et al. **Biochem Int** 1985 Nov;11(5):765–72

Conversion of transformed androgen and glucocorticoid receptors to higher molecular forms. Ohara-Nemoto Y, et al. **Biochem Int** 1986 Mar;12(3):397–402

Characteristics of cytosol androgen receptor in rat thymus. Sato N, et al. **Biochem Int** 1986 Jul;13(1):15–23

Gangliosides as markers of cortisone-sensitive and cortisone-resistant rabbit thymocytes: characterization of thymus-specific gangliosides and preferential changes of particular gangliosides in the thymus of cortisone-treated rabbits. Iwamori M, et al. **Biochemistry** 1986 Feb 25; 25(4):889–96

Lanthanum increases the rat thymocyte cytoplasmic free calcium concentration by enhancing calcium influx. Segal J. **Biochim Biophys Acta** 1986 Apr 29;886(2):267–71

Cellular uptake of 3,5,3'-triiodothyronine and thyroxine by red blood and thymus cells. Galton VA, et al. **Endocrinology** 1986 May;118(5):1918–23

The effect of trypsinization on the plasma membrane binding and action of 3,5,3'-triiodothyronine in rat thymocytes. Segal J, et al. **Endocrinology** 1986 May;118(5):1863–8

Accumulation of UDP-GlcNAc into intracellular vesicles and occurrence of a carrier-mediated transport. Study with plasma-membrane-permeabilized mouse thymocytes. Cecchelli R, et al. **Eur J Biochem** 1985 Nov 15;153(1):111–6

Specific receptors for thyroxine in nuclear non-histone proteins of rat thymus during early, medium and late period of life. Brtko J, et al. **Exp Clin Endocrinol** 1985 Dec; 86(3):317–22

Identification of glycoproteins that are receptors for peanut agglutinin on immature (cortical) mouse thymocytes. De Maio A, et al. **FEBS Lett** 1986 Jan 1;194(1):28–32

Dysdifferentiative nature of aging: age-dependent expression of MuLV and globin genes in thymus, liver and brain in the AKR mouse strain. Ono T, et al. **Gerontology** 1985; 31(6):362–72

Characterization and localization of specific oestrogen binding in the human thymus. Nilsson B, et al. **Gynecol Obstet Invest** 1986;21(3):150–7

12-O-Tetradecanoylphorbol-13-acetate enhances glycolysis in rat thymocytes. Nordenberg J, et al. **Int J Biochem** 1985; 17(7):847–50

Interaction of dipalmitoyl-phosphatidylcholine with calf thymus histone H1. Gavilanes JG, et al. **Int J Pept Protein Res** 1985 Aug;26(2):187–94

Tin concentration in the thymus glands of rats and mice and its relation to the involution of the gland. Sherman LR, et al. **J Anal Toxicol** 1986 Jan-Feb;10(1):6–9

Protein phosphorylation during activation of Na+/H+ exchange by phorbol esters and by osmotic shrinking. Possible relation to cell pH and volume regulation. Grinstein S, et al. **J Biol Chem** 1986 Jun 15;261(17):8009–16

Regulation of amino acid uptake by phorbol esters and hypertonic solutions in rat thymocytes. Klip A, et al. **J Cell Physiol** 1986 May;127(2):244–52

In vivo stimulation of sugar uptake in rat thymocytes. An extranuclear action of 3,5,3'-triiodothyronine. Segal J, et

al. **J Clin Invest** 1985 Oct;76(4):1575–80

Thymic hormone-containing cells. VII. Adrenals and gonads control the in vivo secretion of thymulin and its plasmatic inhibitor. Dardenne M, et al. **J Immunol** 1986 Feb 15; 136(4):1303–8

Partial purification and characterization of a factor from a cloned thymic epithelium cell line. Pfeifer JD, et al. **J Immunol** 1986 Jan;136(2):555–61

Elevated levels of gamma amino butyric acid (GABA) in the thymus gland during the immune response. Hall NR, et al. **Lymphokine Res** 1985 Fall;4(4):339–41

Glutaredoxin from Escherichia coli and calf thymus. Holmgren A. **Methods Enzymol** 1985;113:525–40

DNA degradation after interaction of cis- and trans-diamminedichloroplatinum (II) with calf thymus nuclei. Oliński R. **Mol Biol Rep** 1986;11(1):25–8

HPLC analysis of 4',5'-monoadduct formation in calf thymus DNA and synthetic polynucleotides treated with UVA and 8-methoxypsoralen. Gasparro FP, et al. **Photochem Photobiol** 1985 Jul;42(1):95–8

Glucocorticoid-mediated induction of glucocortin: a rapid primary response common to major target tissues. Colbert RA, et al. **Proc Natl Acad Sci USA** 1986 Jan;83(1):72–6

Effect of serum on the metabolism of exogenous arachidonic acid by phagocytic cells of the mouse thymic reticulum. Duval D, et al. **Prostaglandins Leukotrienes Med** 1986 Jul; 23(1):67–83

Immunocytochemical localization of a medullary thymic epithelial glycoprotein. Zelechowska MG, et al. **Scand J Immunol** 1986 May;23(5):561–5

Studies on the cytosolic estrogen receptor from rat thymus. Morgan DD, et al. **Thymus** 1985;7(5):279–86

Histochemical localization of progestin receptor cells in the rat thymus. Sakabe K, et al. **Thymus** 1986;8(3):97–107

[H3-labeled cortisol metabolism in the renal, splenic and thymic cells of intact and adrenalectomized rats] Tron'ko ND, et al. **Probl Endokrinol (Mosk)** 1985 Jul-Aug; 31(4):64–8 (Eng. Abstr.) **(Rus)**

[Modification with bradykinin of membrane-bound lipid peroxidation and Ca2+-activity of the thymus and liver] Sukhanova GA. **Vopr Med Khim** 1986 Mar-Apr;32(2):21–4 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Attempted isolation of viruses from myasthenia gravis thymus. Klavinskis LS, et al. **J Neuroimmunol** 1986 Jun; 11(4):287–99

Accelerating effect of nude gene heterozygosity on spontaneous AKR thymic lymphomagenesis. Shisa H, et al. **Jpn J Cancer Res** 1986 Jun;77(6):568–71

Relationship between Junin virus infection of thymus and the establishment of persistence in rodents. Calello MA, et al. **Med Microbiol Immunol (Berl)** 1986;175(2-3):109–12

[Expression of MMTV proviruses in lymphopoietic organs of C3H Bi mice] Devaux B, et al. **C R Acad Sci [III]** 1985; 301(17):763–6 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Immunopathological study related to myoglobin in myasthenic and non-myasthenic thymuses. Koeda T. **Acta Pathol Jpn** 1986 Feb;36(2):209–23

The thymus in myasthenia gravis: an immunohistologic study. Kornstein MJ, et al. **Adv Exp Med Biol** 1985;186:929–36

The thymus in "bare lymphocyte" syndromeSchuurman HJ, et al. **Adv Exp Med Biol** 1985;186:921–8

Isolation of germinal centre (GC) cells is greatly improved by using the protease dispase to prepare cell suspensions. Willcox N, et al. **Adv Exp Med Biol** 1985;186:979–84

The thymus in AIDS [letter] Welch K. **Am J Clin Pathol** 1986 Apr;85(4):531

Autoimmune effector cells. VII. Cells isolated from thymus and spinal cord of rats with experimental allergic encephalomyelitis transfer disease. Hayosh NS, et al. **Am J Pathol** 1986 Feb;122(2):218–22

Immunohistochemical evidence for the expression of the carcinoembryonic antigen by human thymic epithelial cells in vitro and in neoplastic conditions. Savino W, et al. **Am J Pathol** 1985 Dec;121(3):418–25

Immunohistology of the thymus in bone marrow transplant recipients. Thomas JA, et al. **Am J Pathol** 1986 Mar; 122(3):531–40

Pathologic evaluation of thymic hyperplasia in myasthenia gravis and Lambert-Eaton myasthenic syndrome. Grody WW, et al. **Arch Pathol Lab Med** 1986 Sep;110(9):843–6

Thymus biopsy in children with acquired immunodeficiency syndrome. Joshi VV, et al. **Arch Pathol Lab Med** 1986 Sep;110(9):837–42

Pathology of acute 3-acetyldeoxynivalenol toxicity in mice. Schiefer HB, et al. **Can J Comp Med** 1985 Jul;49(3):315–8

Induction of granulocytic hyperplasia, thymic atrophy, and hypercalcemia by a selected subpopulation of a murine mammary adenocarcinoma. Thomas E, et al. **Cancer Res** 1985 Nov;45(11 Pt 2):5840–4

Recurrence of thymic hyperplasia after trans-sternal thymectomy in myasthenia gravis. Rosenberg M, et al. **Chest** 1986 Jun;89(6):888–9

The human thymus. Histophysiology and pathology. **Curr Top Pathol** 1986;75:1–275

Thymic atrophy and immune deficiency in malnutrition. Dourov N. **Curr Top Pathol** 1986;75:127–50 (127 ref.)

Pathology of the thymus in immunodeficiency states. Nezelof C. **Curr Top Pathol** 1986;75:151–77 (109 ref.)

The thymus in myasthenia gravis. Wekerle H, et al. **Curr Top Pathol** 1986;75:179–206 (116 ref.)

Atrophy of the thymus in rats rendered diabetic by streptozotocin. Chatamra K, et al. **Horm Metab Res** 1985 Dec;17(12):630–2

Cellular aspects of radiation leukemogenesis in C57 BL/Ka mice: alterations to thymic microenvironment and lymphopoiesis. Defresne MP, et al. **Leuk Res** 1986; 10(7):783–9

Thymus in untreated systemic histiocytosis X. Bove KE, et al. **Pediatr Pathol** 1985;4(1-2):99–115

Surgical pathology of the thymus: 20 years' experience. Large SR, et al. **Thorax** 1986 Jan;41(1):51–4

Spontaneous pathology of the thymus in aging Wistar (Cpb:WU) rats. Kuper CF, et al. **Vet Pathol** 1986 May; 23(3):270–7

[Morphological changes of the thymus and spleen with acute experimental allergic encephalomyelitis (EAE) in Lewis rats] Hara N, et al. **No To Shinkei** 1986 Jan;38(1):81–5 (Eng. Abstr.) **(Jpn)**

[Diagnostic value of intravital examination of the thymus in acute diseases of the respiratory organs in children] Kusel'man AI, et al. **Pediatriia** 1986 Jan;(1):25–7 (Eng. Abstr.) **(Rus)**

[Morphologic analysis of the thymo-lymphatic status in neonates and in early childhood] Plank L. **Cesk Patol** 1985 Aug;21(3):160–3 (Eng. Abstr.) **(Slo)**

PHYSIOLOGY

The ontogeny and microenvironment of the avian thymus and bursa of Fabricius: contribution of specialized cells to the avian immune response. Glick B. **Adv Vet Sci Comp Med** 1985;30:67–90 (102 ref.)

Histamine content and mast cell numbers in tissues of normal and athymic rats. Aldenborg F, et al. **Agents Actions** 1986 Mar;17(5-6):454–9

Thymus-dependent increase in splenic T cell population in postpartum mice. Yokoyama M, et al. **Am J Reprod Immunol Microbiol** 1986 Apr;10(4):143–50

The role of the thymus in erythropoiesis. Sharkis SJ. **Blood Cells** 1984;10(2-3):223–31

Presence of glucocorticoid receptors in cultured thymic epithelial cells. Dardenne M, et al. **Cell Immunol** 1986 Jun; 100(1):112–8

Cells reacting with the monoclonal anti-IL-2 receptor antibody AMT-13 in the regenerating thymus of irradiated mice. Takacs L, et al. **Clin Exp Immunol** 1986 May; 64(2):342–7

Thymic peptide hormones: basic properties and clinical applications in cancer. Schulof RS. **CRC Crit Rev Oncol Hematol** 1985;3(4):309–76 (322 ref.)

The phagocytosis function and the antibody reactivity in the thymectomized and thymectomized-irradiated adult rats. Boeru V, et al. **Endocrinologie** 1986 Apr-Jun;24(2):71–5

Effect of thymus on the thyroid and pituitary thyrotropic function. Aleshin BV, et al. **Exp Clin Endocrinol** 1985 Aug; 86(1):41–52

Thymus regeneration by bone marrow cell suspensions differing in the potential to form early and late spleen colonies. Mulder AH, et al. **Exp Hematol** 1985 Sep; 13(8):768–75

Periodontal bone loss and immune characteristics of congenitally athymic and thymus cell-reconstituted athymic rats. Yoshie H, et al. **Infect Immun** 1985 Nov; 50(2):403–8

Thymus independence of eosinophilia induced by a non-parasite antigen. Blomjous FJ, et al. **Int Arch Allergy Appl Immunol** 1986;79(4):376–9

Thyroid function modulates thymic endocrine activity. Fabris N, et al. **J Clin Endocrinol Metab** 1986 Mar; 62(3):474–8

Reappearance of thymus of ageing rats after orchidectomy. Fitzpatrick FT, et al. **J Endocrinol** 1985 Sep;106(3):R17–9

Role of the thymus in propylnitrosourea-induced thymic lymphomagenesis in F344 rats. Shisa H, et al. **Jpn J Cancer Res** 1986 Jun;77(6):572–8

Body weight gain and food intake alterations in crowd-reared rats. Gamallo A, et al. **Physiol Behav** 1986; 36(5):835–7

GH3 pituitary adenoma cells can reverse thymic aging in rats. Kelley KW, et al. **Proc Natl Acad Sci USA** 1986 Aug; 83(15):5663–7

Induction and upregulation by interleukin 2 of high-affinity interleukin 2 receptors on thymocytes and T cells. Reem GH, et al. **Proc Natl Acad Sci USA** 1985 Dec;82(24):8663–6

Accessibility of thymic cortical lymphocytes to particles translocated from the peritoneal cavity to parathymic lymph nodes. Eggli P, et al. **Thymus** 1986;8(3):129–39

Thymic microenvironmental factor: a possible chemoattractant for hemopoietic stem cells. Potworowski EF, et al. **Thymus** 1985;7(6):345–56

[Blood sugar and immunoreactive insulin (IRI) in rats after thymectomy] Velkov Z, et al. **Eksp Med Morfol** 1985; 24(3):20–4 (Eng. Abstr.) **(Bul)**

[Preliminary observation on the effect of thymic peptide in the experimental infection of mice with mycobacterium leprae] Wang HY. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1985 Jun; 7(3):227–8 (Eng. Abstr.) **(Chi)**

[Thymus-hypophysis-thyroid interrelation in rats after administration of a heterologous extract of thymus gland] Santangelo F, et al. **Ann Endocrinol (Paris)** 1985;46(6):411–3 (Eng. Abstr.) **(Fre)**

[Difference in thymus-dependence among various T cells in contact sensitivity with picryl chloride in mice] Yotsumoto H, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Feb;96(2):113–7 **(Jpn)**

[Role of the thymus in regulating bone marrow hematopoiesis in the stress reaction] Dygal AM, et al. **Biull Eksp Biol Med** 1986 Apr;101(4):397–9 (Eng. Abstr.) **(Rus)**

[Effect of the thymus on lipid metabolism during cholesterol loading of guinea pigs] Strashmirov D, et al. **Eksp Med Morfol** 1986;25(1):5–9 (Eng. Abstr.) **(Rus)**

[Effect of thymalin on thrombocyte aggregation and the antiaggregation activity of the vascular wall in intact and thymectomized rats] Kuznik BI, et al. **Farmakol Toksikol** 1986 Mar-Apr;49(2):15–8 (Eng. Abstr.) **(Rus)**

[Effect of thymectomy on carbohydrate and lipid metabolism in the rat] Podosinnikov IS, et al. **Fiziol Zh SSSR** 1985 Dec;71(12):1591–6 (Eng. Abstr.) **(Rus)**

[Results and prospects of studies of the physiology, morphology and pathology of the thymus gland] Serov VV, et al. **Klin Med (Mosk)** 1986 Mar;64(3):18–26 (91 ref.) (Eng. Abstr.) **(Rus)**

[Free thymidine in the blood serum of irradiated rats with different levels of cellular depletion of the thymus and spleen] Bryksina LE, et al. **Radiobiologiia** 1985 Sep-Oct; 25(5):590–2 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Relationships between biotin and DNA contents and DNA turnover in lymphoid organs: thymus, lymph nodes and spleen. Petrelli F, et al. **Acta Vitaminol Enzymol** 1985; 7(3-4):199–206

Role of the thymus in streptococcal cell wall-induced arthritis and hepatic granuloma formation. Comparative studies of pathology and cell wall distribution in athymic and euthymic rats. Allen JB, et al. **J Clin Invest** 1985 Sep; 76(3):1042–56

The effect of thymectomy on the development of hypertension in spontaneously hypertensive rats. Koga Y, et al. **Jpn Heart J** 1985 Sep;26(5):807–11

Thymus dependent resistance against Nippostrongylus brasiliensis in mice following repeated low level inoculations. Eriksen L. **Nord Vet Med** 1986 May-Jun; 38(3):180–9

RADIATION EFFECTS

Lymphocyte subclasses and immunoglobulins in adults receiving radiation treatment in infancy for thymic enlargement. Bakemeier RF, et al. **Radiat Res** 1986 Sep; 107(3):367–74

Risk of extrathyroid tumors following radiation treatment in infancy for thymic enlargement. Hildreth NG, et al. **Radiat Res** 1985 Jun;102(3):378–91

The effect of graded doses of fission neutrons or X rays on the lymphoid compartment of the thymus in mice. Huiskamp R, et al. **Radiat Res** 1986 Feb;105(2):247–58

Late effects of total-head gamma irradiation in mice. 2. Pathomorphological analysis of organic changes with regard to the role of the hypophysis-adrenal gland axis and of the thymolymphatic system. Tkadleček L, et al. **Radiobiol Radiother (Berl)** 1985;26(4):477–85

[HeNe/I.R. laser radiation of the rat thymus and lymph node] Repice F. **Boll Soc Ital Biol Sper** 1985 Oct 30;61(10):1401–7 (Eng. Abstr.) **(Ita)**

[Relation between the radiation sensitivity of the rat thymus and the subpopulation composition of its lymphocytes] Ermolaeva NV, et al. **Radiobiologiia** 1986 Mar-Apr; 26(2):223–7 (Eng. Abstr.) **(Rus)**

[Inhibition of the endocrine function of the rat thymus by x-irradiation] Grinevich IuA, et al. **Radiobiologiia** 1986 Mar-Apr;26(2):276–8 (Eng. Abstr.) **(Rus)**

[Dynamics of changes in the rat thymus gland as affected by intratracheal administration of 238Pu] Zhorova ES, et al. **Radiobiologiia** 1986 Jan-Feb;26(1):119–23 (Eng. Abstr.) **(Rus)**

[Surface changes in irradiated thymocytes studied by partition in 2-phase systems and electrophoresis] Andreeva EV, et al. **Tsitologiia** 1986 Jun;28(6):650–4 (Eng. Abstr.) **(Rus)**

[Interaction of intact and irradiated macrophages with thymus lymphoid cells] Chukhlovich AB, et al. **Tsitologiia** 1985 Sep;27(9):1049–54 (Eng. Abstr.) **(Rus)**

[Structuro-functional characteristics of the T- and B-systems of immunity in response to decimeter waves in the region of the thymus, thyroid and parathyroid glands] Evstropov VM. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Jan-Feb; (1):39–41 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

[Computed tomography of the thymus in childhood] Nakata M, et al. **Rinsho Hoshasen** 1986 Jan;31(1):55–8 (Eng. Abstr.) **(Jpn)**

SECRETION

Feedback regulation of the secretion of a thymic hormone (thymulin) by human thymic epithelial cells in culture. Cohen S, et al. **Thymus** 1986;8(3):109–19

[Thymic endocrine function and the marker characteristics of the peripheral blood lymphocytes in lymphoproliferative diseases of children] Grinevich IuA, et al. **Pediatriia** 1985 Aug;(8):35–7 (Eng. Abstr.) **(Rus)**

[Thymus secretory function of diffuse neurodermatitis patients] Glukhen'kaia AB. **Vrach Delo** 1986 Feb;(2):89–90 (Eng. Abstr.) **(Rus)**

SURGERY

Predicting the need for postoperative mechanical ventilation in myasthenia gravis. Eisenkraft JB, et al. **Anesthesiology** 1986 Jul;65(1):79–82

TRANSPLANTATION

Implantation of cultured thymic fragments in patients with acquired immunodeficiency syndrome. Danner SA, et al. **Arch Intern Med** 1986 Jun;146(6):1133–6

Therapy for acquired immunodeficiency syndrome. Implantation of cultured thymic fragments [editorial] Phair J. **Arch Intern Med** 1986 Jun;146(6):1074–5

A comparative study of transplant sites for endocrine tissue transplantation in the pig. Simeonovic CJ, et al. **Aust J Exp Biol Med Sci** 1986 Feb;64 (Pt 1):37–41

Deficiency of NK activity of HNK–1+ cells after transplantation of fetal thymus and liver or haploidentical soybean agglutinin–treated marrow cells in two severe combined immunodeficiency patients. Gotoh YI, et al. **Clin Exp Immunol** 1985 Sep;61(3):608–13

Reconstitution of T–cell deficiency by thymic hormone or thymus transplantation therapy. Hong R. **Clin Immunol Immunopathol** 1986 Jul;40(1):136–41 (13 ref.)

Development of multiple organ–localized autoimmune diseases in nude mice after reconstitution of T cell function by rat fetal thymus graft. Taguchi O, et al. **J Exp Med** 1986 Jul 1;164(1):60–71

Split tolerance induced by chick embryo thymic epithelium allografted to embryonic recipients. Houssaint E, et al. **J Immunol** 1986 May 1;136(9):3155–9

Genetic restrictions in the development of antibody responses to L–glutamic acid60–L–alanine30–L–tyrosine10 by nude mice implanted with semiallogeneic thymus glands. Lake JP, et al. **J Immunol** 1986 Feb 1;136(3):805–12

Acceleration of neoplasms of reticular tissue with syngeneic thymic graft under renal capsule and gamma radiation. Pai SR, et al. **Neoplasma** 1985;32(6):715–21

Morphological anomalies in the lymph nodes of 13–month–old thymus–grafted nude mice. Sainte–Marie G, et al. **Thymus** 1986;8(1–2):77–90

Impaired rejection of minor–histocompatibility–antigen–disparate skin grafts and acquisition of tolerance to thymus donor antigens in allothymus–implanted, thymectomized Xenopus. Arnall JC, et al. **Transplantation** 1986 Jun;41(6):766–76

ULTRASTRUCTURE

Heterogeneity of the human thymus epithelial microenvironment at the ultrastructural level. Kendall MD, et al. **Adv Exp Med Biol** 1985;186:289–97

Ultrastructure of cell fusion and premature chromosome condensation (PCC) of thymocyte nuclei in metaphase II mouse oocytes. Szollosi D, et al. **Biol Cell** 1986; 56(3):239–49

A scanning electron–microscopic study of the rat thymus with special reference to cell types and migration of lymphocytes into the general circulation. Ushiki T. **Cell Tissue Res** 1986;244(2):285–98

Thymic reticulum of autoimmune mice. I. Ultrastructural studies of the diabetic (db/db) mouse thymus. Nabarra B, et al. **Exp Pathol** 1986;29(1):45–53

Characterization of human thymic dendritic cells in culture. Pelletier M, et al. **Immunology** 1986 Jun;58(2):263–70

Nucleosome core particles of calf thymus, Tetrahymena, and the reconstituted hybrid. Their structure reflects the nature of the histone octamer. Kasai K, et al. **J Biochem (Tokyo)** 1986 Jan;99(1):91–8

Ultrastructural change of the thymocyte surface after treatment with specific antibodies. A rapid–freezing and deep–etching study. Takabayashi K, et al. **J Submicrosc Cytol** 1985 Oct;17(4):495–502

Ultrastructure of epithelial thymic cysts of the chicks. Chan AS. **Poult Sci** 1986 Jan;65(1):177–82

In situ characterization in freeze–fractured mouse thymuses of lymphoepithelial complexes ultrastructurally similar to isolated thymic nurse cells. Defresne MP, et al. **Tissue Cell** 1986;18(3):321–30

[Ultrastructural changes of neonatal thymuses of mice infected with virus] Yang HB. **Chung–hua Ping Li Hsueh Tsa Chih** 1985 Sep;14(3):221–3 (Eng. Abstr.) **(Chi)**

[Effect of adrenalectomy and ultrastructure of lymphoid and stromal elements of the thymus] Zak KP, et al. **Fiziol Zh** 1986 Jul–Aug;32(4):466–72 (Eng. Abstr.) **(Rus)**

THYMUS HORMONES

NMR study of thymulin, a lymphocyte differentiating thymic nonapeptide. Conformational states of free peptide in solution. Laussac JP, et al. **J Biol Chem** 1986 Jun 15; 261(17):7784–90

Immunochemical techniques. Part H. Effectors and mediators of lymphoid cell functions. **Methods Enzymol** 1985; 116:1–665

ADMINISTRATION & DOSAGE

[Effect of thymus preparations on the efficacy of postvaccinal immunity in experimental tuberculosis] Kononko IV. **Fiziol Zh** 1986 Jul–Aug;32(4):478–81 (Eng. Abstr.) **(Rus)**

[Endolymphatic administration of thymalin in the complex treatment of patients with appendicular peritonitis] Chapov AV, et al. **Klin Khir** 1986;(4):19–21 (Eng. Abstr.) **(Rus)**

[Efficacy of immunotropic drugs in experimental tuberculosis] Zabolotnykh NV, et al. **Probl Tuberk** 1985; (11):50–4 (Eng. Abstr.) **(Rus)**

[Experience in the treatment of syphilis with penicillin combined with splenin] Chistiakova AM, et al. **Vestn Dermatol Venerol** 1985 Aug;(8):71–3 **(Rus)**

ANALYSIS

Activity of serum thymic factor in undernourished newborn infants. Martínez–Cairo Cueto S, et al. **Arch Invest Med (Mex)** 1985 Apr–Jun;16(2):199–207 **(Eng, Spa)**

PR8 influenza virus infection impairs serum thymic activity levels and thymus–derived immune functions in mice. Del Gobbo V, et al. **Boll Ist Sieroter Milan** 1985;64(3):207–15

[Nuclear magnetic resonance study of the interaction of zinc with thymulin] Laussac JP, et al. **C R Acad Sci [III]** 1985; 301(10):471–5 (Eng. Abstr.) **(Fre)**

[Content of circulating thymic factor in the blood of healthy and sick infants in the 1st year of life] Pushko LV, et al. **Pediatriia** 1985 Aug;(8):29–31 (Eng. Abstr.) **(Rus)**

BLOOD

Low circulating thymulin–like activity in children with AIDS and AIDS–related complex. Incefy GS, et al. **AIDS Res** 1986 Spring;2(2):109–16

Thymic hormone–containing cells. VII. Adrenals and gonads control the in vivo secretion of thymulin and its plasmatic inhibitor. Dardenne M, et al. **J Immunol** 1986 Feb 15; 136(4):1303–8

Circulating thymulin and thymosin–alpha 1 activity in pediatric acquired immune deficiency syndrome: in vivo and in vitro studies. Rubinstein A, et al. **J Pediatr** 1986 Sep;109(3):422–7

CHEMICAL SYNTHESIS

Synthesis of the nonatetracontapeptide corresponding to the entire amino acid sequence of thymopoietin III and its effect on the impaired T–lymphocyte transformation of a patient with common variable immunodeficiency. Abiko T, et al. **Chem Pharm Bull (Tokyo)** 1986 May;34(5):2133–43

DEFICIENCY

[Cockayne syndrome: a case with thymic hormone deficiency] Julien T, et al. **Ann Pediatr (Paris)** 1986 Apr; 33(4):345–8 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

A zinc–dependent epitope on the molecule of thymulin, a thymic hormone. Dardenne M, et al. **Proc Natl Acad Sci USA** 1985 Oct;82(20):7035–8

[Immunochemical characterization of molecules identified in human thymic epithelium by anti–thymulin monoclonal antibodies] Savino W, et al. **C R Acad Sci [III]** 1985; 301(11):577–9 (Eng. Abstr.) **(Fre)**

[Immunologically active peptides stimulating the T–cell system] Chipens GI, et al. **Ukr Biokhim Zh** 1986 May–Jun; 58(3):91–103 (57 ref.) (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Thymopoietin and ubiquitin. Audhya T, et al. **Methods Enzymol** 1985;116:279–91

Thymic hormones: an overview. Low TL, et al. **Methods Enzymol** 1985;116:213–9

Thymulin. Pleau JM, et al. **Methods Enzymol** 1985; 116:269–79

METABOLISM

Thyroid function modulates thymic endocrine activity. Fabris N, et al. **J Clin Endocrinol Metab** 1986 Mar; 62(3):474–8

Binding of thymopoietin to the acetylcholine receptor. Venkatasubramanian K, et al. **Proc Natl Acad Sci USA** 1986 May;83(10):3171–4

PHARMACODYNAMICS

Structural requirements for the biological activity of thymopentin analogs. Heavner GA, et al. **Arch Biochem Biophys** 1985 Oct;242(1):248–55

Syntheses and effects of [Glu34]–thymopoietin II fragment 32–45 and its analogs on the impaired T–cell transformation in a patient with common variable immunodeficiency. Abiko T, et al. **Biotechnol Appl Biochem** 1986 Apr–Jun; 8(2–3):160–71

Synthesis of the nonatetracontapeptide corresponding to the entire amino acid sequence of thymopoietin I and its effect on the low E–rosette–forming cells of a uremic patient. Abiko T, et al. **Chem Pharm Bull (Tokyo)** 1985 Apr; 33(4):1583–91

In vitro induction of T–suppressor lymphocytes by THF, a thymic hormone, in psoriatic children. Shohat B, et al. **Dermatologica** 1985;171(4):226–32

Experimental and clinical study of the thymus polypeptide factor thymalin. Safronov BN, et al. **Hum Physiol** 1984 Mar–Apr;10(2):97–101

The influence of new thymopoietin derivatives on the immune response of inbred mice. Rajnavölgyi E, et al. **Int J Immunopharmacol** 1986;8(2):167–77

The influence of thymic humoral factor on systemic lupus erythematosus lymphocyte function. Wysenbeek AJ, et al. **Int J Immunopharmacol** 1985;7(4):603–7

Syntheses and effects of a thymopoietin II fragment and its analogs on the impaired T–cell transformation in a patient with common variable immunodeficiency. Abiko T, et al. **J Appl Biochem** 1985 Dec;7(6):408–22

Stimulation by thymopoietin oligopeptides of lectin–dependent cell–mediated cytotoxicity in patients with systemic lupus erythematosus. Perl A, et al. **J Clin Lab Immunol** 1985 Nov;18(3):119–22

Effect of a thymic factor on the concentration of a factor VIII inhibitor in a patient with treated Hodgkin's disease [letter] Richard C, et al. **Thromb Haemost** 1986 Apr 30; 55(2):299–300

Effect of thymopoietin and interleukin 2 on depressed mitogenic responsiveness and colony formation of lymphocytes from patients with preleukemia. Knox SJ, et al. **Thymus** 1986;8(1–2):33–44

Cellular immunity in patients with acquired immunodeficiency syndrome (AIDS) in Israel: effects of THF, a thymic hormone in vitro. Shohat B, et al. **Thymus** 1986;8(3):151–60

Alterations in bone marrow cell cycle kinetics by diphenylhydantoin and folate deficiency are restored by thymic peptides. Tucker AN, et al. **Thymus** 1986;8(3):121–7

Regulatory influence of thymopentin on splenic T cell sets of thymectomized and aged mice. Newcomb EW, et al. **Transplantation** 1985 Nov;40(5):520–7

[Studies on thymic peptide factors. VIII. Effect of calf thymic peptides preparation on the Con A–induced proliferative response of human T lymphocytes] Zhu LP, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1985 Jun; 7(3):224–6 (Eng. Abstr.) **(Chi)**

[Study on rosette formation of thymus lymphocytes in the rat treated with BBN inducing urinary bladder cancer. Effect of the thymus humoral factor in vitro] Ozaki Y. **Nippon Hinyokika Gakkai Zasshi** 1986 Mar;77(3):392–402 (Eng. Abstr.) **(Jpn)**

[Changes in the histologic structure of the organs of immunogenesis during treatment with immunomodulators] Khmel'nitskii OK, et al. **Arkh Patol** 1986;48(5):49–53 (Eng. Abstr.) **(Rus)**

[Effect of thymalin on thrombocyte aggregation and the antiaggregation activity of the vascular wall in intact and thymectomized rats] Kuznik BI, et al. **Farmakol Toksikol** 1986 Mar–Apr;49(2):15–8 (Eng. Abstr.) **(Rus)**

[Effect of splenin on the concentration of biogenic amines in the tissues and blood plasma of the rat] Doroshenko NM, et al. **Fiziol Zh** 1986 May–Jun;32(3):367–70 (Eng. Abstr.) **(Rus)**

[Functional status of mast cells of the rat after splenin injection] Pokrovskaia SV, et al. **Fiziol Zh** 1986 Jul–Aug; 32(4):489–92 (Eng. Abstr.) **(Rus)**

[Thymic hormonal effects on the antigen–dependent differentiation of accessory T–lymphocytes in the humoral immune response] Sobolev SM, et al. **Ontogenez** 1986 Jan–Feb;17(1):62–9 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

New system examining biological activity of thymus hormone using rosette formation assay of rat thymocytes. Kinoshita Y, et al. **Cell Mol Biol** 1986;32(4):391–7

Thymic peptide hormones: basic properties and clinical applications in cancer. Schulof RS. **CRC Crit Rev Oncol Hematol** 1985;3(4):309–76 (322 ref.)

Thymic hormones—a clinical update. Sztein MB, et al. **Springer Semin Immunopathol** 1986;9(1):1–18 (107 ref.)

[Interaction of endogenous opioid peptides, thymus hormones and immunocytes—relation to ovarian function] Presl J, et al. **Cesk Gynekol** 1986 Jul;51(6):436–47 **(Cze)**

SECRETION

Thymoma epithelial cells secrete thymic hormone but do not express class II antigens of the major histocompatibility complex. Savino W, et al. **J Clin Invest** 1985 Sep; 76(3):1140–6

Cytotoxic T cell response and thymic hormonal dysfunction in graft–vs–host mice. Lang P, et al. **J Immunol** 1986 Mar 15;136(6):1999–2004

Feedback regulation of the secretion of a thymic hormone (thymulin) by human thymic epithelial cells in culture. Cohen S, et al. **Thymus** 1986;8(3):109–19

[Effect of corticosteroids on the secretion of the serum thymic factor and on the content of mast cell affinity lymphocytes in rats] Nikol'skii IS, et al. **Probl Endokrinol (Mosk)** 1985 May–Jun;31(3):82–5 (Eng. Abstr.) **(Rus)**

[Inhibition of the endocrine function of the rat thymus by x–irradiation] Grinevich IuA, et al. **Radiobiologiia** 1986 Mar–Apr;26(2):276–8 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Results in two infants with the DiGeorge syndrome—effects of long-term TP5. Businco L, et al. **Clin Immunol Immunopathol** 1986 May;39(2):222-30

Reconstitution of T-cell deficiency by thymic hormone or thymus transplantation therapy. Hong R. **Clin Immunol Immunopathol** 1986 Jul;40(1):136-41 (13 ref.)

Thymic peptide hormones: basic properties and clinical applications in cancer. Schulof RS. **CRC Crit Rev Oncol Hematol** 1985;3(4):309-76 (322 ref.)

Treatment of congenital immune deficiencies with a thymic hormone—thymic humoral factor. Handzel ZT, et al. **Isr J Med Sci** 1986 May;22(5):387-92

New approaches to immunotherapy: thymomimetic drugs. Specter S, et al. **Springer Semin Immunopathol** 1985; 8(4):375-85

[Use of thymalin in the treatment of children with lymphoblastic leukemia during remission] Manin VN, et al. **Gematol Transfuziol** 1986 Jul;31(7):33-5 (Eng. Abstr.) (Rus)

[Use of thymalin in the diseases of early infancy] Trofimenko IA, et al. **Pediatriia** 1985 Aug;(8):31-5 (Eng. Abstr.) (Rus)

[Use of splenin in the combined treatment of pulmonary tuberculosis patients] Spesivtsev OG, et al. **Probl Tuberk** 1985;(8):28-31 (Eng. Abstr.) (Rus)

[Immunomodulators in the therapy of rheumatoid arthritis. I. The use of thymalin] Melekhin VD, et al. **Revmatologiia (Moskva)** 1985 Jul-Sep;(3):43-6 (Eng. Abstr.) (Rus)

[Immunomodulators in the treatment of rheumatoid arthritis. II. Comparative clinical efficacy of levamisole (dekaris) and thymalin] Melekhin VD, et al. **Revmatologiia (Moskva)** 1985 Oct-Dec;(4):4-7 (Eng. Abstr.) (Rus)

[Effect of thymalin on the status of immunogenesis and hemostasis in patients with ischemic heart disease] Kuznik BI, et al. **Ter Arkh** 1986;58(5):90-3 (Eng. Abstr.) (Rus)

[Prospects of using immunocorrective treatment with an active thymus factor (taktivin) in dermatology] Skripkin IuK, et al. **Vestn Dermatol Venerol** 1986;(4):4-7 (Eng. Abstr.) (Rus)

[Use of thymalin and heparin in acute peritonitis] Kokotov IuK, et al. **Vestn Khir** 1986 Feb;136(2):53-6 (Eng. Abstr.) (Rus)

[Effectiveness of thymalin and prodigiozan in the complex treatment of patients with dysentery] Bolko IN, et al. **Voen Med Zh** 1985 Jul;(7):45-6 (Rus)

[Indications for using thymalin in the therapy of children with chronic viral hepatitis B] Gol'zand IV, et al. **Voen Med Zh** 1986 Mar;(3):27-8 (Rus)

[Effect of thymalin on the nonspecific resistance of pulmonary tuberculosis patients] Rybalko VV, et al. **Voen Med Zh** 1986 May;(5):34-6 (Rus)

[Criteria for evaluation of the efficacy of immunotherapy of bronchiectasis patients] Gubergrits Ala, et al. **Vrach Delo** 1986 May;(5):89-91 (Eng. Abstr.) (Rus)

[Use of thymalin in the complex treatment of infantile cerebral palsy] Mamonova IP. **Zh Nevropatol Psikhiatr** 1985;85(10):1468-71 (Eng. Abstr.) (Rus)

THYMUS HYPERPLASIA

BLOOD

[Content of circulating thymic factor in the blood of healthy and sick infants in the 1st year of life] Pushko LV, et al. **Pediatriia** 1985 Aug;(8):29-31 (Eng. Abstr.) (Rus)

DIAGNOSIS

[Characteristics of the anamnesis, and the somatic and neuropsychic status of infants in the 1st year of life with thymomegaly] Kuz'menko LG, et al. **Pediatriia** 1985 Aug; (8):26-9 (Eng. Abstr.) (Rus)

ETIOLOGY

[Syndrome of secondary enlargement of the thymus in young children] Krasnoperova KE. **Pediatriia** 1986 Jan;(1):23-5 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Myasthenia gravis: immunohistological heterogeneity in microenvironmental organization of hyperplastic and neoplastic thymuses suggesting different mechanisms of tolerance breakdown. Chilosi M, et al. **J Neuroimmunol** 1986 May;11(3):191-204

[Immunological indices of children with acute respiratory viral diseases, pneumonia, thymomegaly and an x-ray detectable thymus gland] Nasrullaeva G. **Pediatriia** 1985 Aug;(8):63 (Rus)

MICROBIOLOGY

RNA tumor virus in human thymomas and thymus hyperplasias. Ono A, et al. **Semin Surg Oncol** 1985; 1(3):139-52

PATHOLOGY

Pathologic evaluation of thymic hyperplasia in myasthenia gravis and Lambert-Eaton myasthenic syndrome. Grody WW, et al. **Arch Pathol Lab Med** 1986 Sep;110(9):843-6

Tumor-like massive thymic hyperplasia in childhood: a possible defect of T-cell maturation, histological and cytoenzymatic studies of three cases. Nezelof C, et al. **Thymus** 1986;8(3):177-86

[Clinico-morphological characteristics of thymomegaly] Zalrat'iants OV, et al. **Arkh Patol** 1985;47(10):70-8 (Eng. Abstr.) (Rus)

RADIOGRAPHY

[Method of determining thymomegaly in children] Dadambaev ET. **Pediatriia** 1985 Aug;(8):24-5 (Eng. Abstr.) (Rus)

THYMUS-INDEPENDENT ANTIGENS see ANTIGENS, T-INDEPENDENT

THYMUS NEOPLASMS

Carcinomatous meningeosis as exclusive metastasizing pattern in a malignant thymoma. Kleinert R, et al. **Acta Neuropathol (Berl)** 1985;67(3-4):329-31

Thymoma epithelial cells secrete thymic hormone but do not express class II antigens of the major histocompatibility complex. Savino W, et al. **J Clin Invest** 1985 Sep; 76(3):1140-6

[Thymoma and pregnancy. Apropos of a case] Thomas D, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(3):293-8 (Eng. Abstr.) (Fre)

ANALYSIS

Substrates for protein kinase C in cytosol of EL4 mouse thymoma cells. Kramer CM, et al. **Cancer Res** 1986 Jun; 46(6):3040-5

BLOOD

Autoreactive erythroid progenitor-T suppressor cells in the pure red cell aplasia associated with thymoma and panhypogammaglobulinemia. Mangan KF, et al. **Am J Hematol** 1986 Oct;23(2):167-73

Effect of o,p'-DDD on cortisol metabolism in Cushing's syndrome of various etiology. Koide Y, et al. **Endocrinol Jpn** 1985 Oct;32(5):615-24

CHEMICALLY INDUCED

Role of the thymus in propylnitrosourea-induced thymic lymphomagenesis in F344 rats. Shisa H, et al. **Jpn J Cancer Res** 1986 Jun;77(6):572-8

Effect of 13-cis-retinoic acid on the spontaneous thymic lymphoma development in AKR mice. Przybyszewska M, et al. **Neoplasma** 1986;33(3):341-4

Accelerated development of spontaneous thymic lymphomas in male AKR mice receiving cyclosporine. Hattori A, et al. **Transplantation** 1986 Jun;41(6):784-7

COMPLICATIONS

Autoimmune hemolytic anemia as the presenting manifestation of malignant thymoma. Rubinstein I, et al. **Acta Haematol (Basel)** 1985;74(1):40-2

Minimal change renal disease associated with thymoma and pancreatic carcinoma. Hirokawa M, et al. **Acta Pathol Jpn** 1986 Jul;36(7):1075-81

Watery diarrhea in a patient with myasthenia gravis, thymoma, and immunodeficiency. Gupta S, et al. **Am J Gastroenterol** 1985 Nov;80(11):877-81

Malignant thymoma with dysautonomia and disordered neuromuscular transmission. Tabbaa MA, et al. **Arch Neurol** 1986 Sep;43(9):955-7

Thymoma and myasthenia gravis in a 4-year-old child. Case report and review of the literature. Furman WL, et al. **Cancer** 1985 Dec 1;56(11):2703-6

Thymoma with myasthenia gravis. Lahiri TK, et al. **Indian Pediatr** 1986 Mar;23(3):217-21

Thymic seminoma and myasthenia gravis. Williams IM, et al. **J Clin Neuro Ophthalmol** 1985 Dec;5(4):254-7

Thymoma associated with lupus syndrome and associated findings of pulmonary sequestration. Mayer G, et al. **J Fla Med Assoc** 1986 Feb;73(2):114-6

Thymoma associated with rheumatoid arthritis in a patient taking methotrexate. Colburn KK, et al. **J Rheumatol** 1986 Apr;13(2):437-9

Thymoma-induced syncope [letter] Ben-Chetrit E, et al. **N Engl J Med** 1986 Jun 26;314(26):1711

Thymoma, hypogammaglobulinemia, and pernicious anemia. Davila DG, et al. **South Med J** 1986 Jul;79(7):904-6

[A case of malignant thymoma associated with massive pericardial effusion, hypogammaglobulinemia and disseminated cytomegalovirus infection] Namura M, et al. **Nippon Naika Gakkai Zasshi** 1985 Jun;74(6):799-807 (Jpn)

[Association of thoracic carcinoid tumor and hyperparathyroidism. Presentation of 2 cases] Palacios N, et al. **Rev Clin Esp** 1986 Feb;178(2):70-3 (Eng. Abstr.) (Spa)

DIAGNOSIS

Inflammatory pseudotumor of the thymus. Harpaz N, et al. **Ann Thorac Surg** 1986 Sep;42(3):331-3

Metastatic thymoma: a case report and immunohistological analysis. Salter DM, et al. **J Clin Pathol** 1986 Mar; 39(3):275-8

[Carcinoid tumor of the thymus with unusual presenting symptoms] Kagotani K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Jun;33(6):915-21 (Eng. Abstr.) (Jpn)

DRUG THERAPY

Chemotherapy of malignant thymoma. Case report and review of the literature. Hu E, et al. **Cancer** 1986 Mar 15; 57(6):1101-4

ENZYMOLOGY

Properties of Na+/K+ ATPase and alkaline phosphatase alter during spontaneous and radiation-induced leukemogenesis in mice. Gonta-Grabiec K, et al. **Neoplasma** 1986;33(2):141-55

ETIOLOGY

Induction of thymic lymphosarcomas in C57BL/6 mice after inoculation of weakly oncogenic viruses associated with a sub-leukemogenic radiation exposure (1.75 Gy x 2). Galiay M, et al. **Int J Cancer** 1986 Aug 15;38(2):223-8

Thymic lymphosarcomas obtained by X-rays in association with a weakly leukemogenic virus: cellular studies. Legrand E, et al. **Leuk Res** 1986;10(7):791-5

FAMILIAL & GENETIC

Altered proopiomelanocortin gene expression in adrenocorticotropin-producing nonpituitary tumors. Comparative studies with corticotropic adenomas and normal pituitaries. de Keyzer Y, et al. **J Clin Invest** 1985 Nov;76(5):1892-8

Genetic study of lymphoma induction by Friend murine leukemia virus in crosses involving AKR mice. Silver J. **JNCI** 1986 Sep;77(3):793-9

Accelerating effect of nude gene heterozygosity on spontaneous AKR thymic lymphomagenesis. Shisa H, et al. **Jpn J Cancer Res** 1986 Jun;77(6):568-71

Murine thymic lymphomas after infection with a B-ecotropic murine leukemia virus and/or X-irradiation: proviral organization and RNA expression. Astier-Gin T, et al. **Leuk Res** 1986;10(7):809-17

Familial autoimmune myasthenia gravis and thymoma: occurrence in two brothers. Pascuzzi RM, et al. **Neurology** 1986 Mar;36(3):423-7

Loss of the normal N-ras allele in a mouse thymic lymphoma induced by a chemical carcinogen. Guerrero I, et al. **Proc Natl Acad Sci USA** 1985 Dec;82(23):7810-4

IMMUNOLOGY

Thymic lymphoepitheliomas and skeletal muscle expressing common antigen(s). Gilhus NE, et al. **Acta Neurol Scand** 1986 Apr;73(4):428-33

Autologous monoclonal antibodies recognize tumour-associated antigens in X-irradiated C57BL/6 mice. Artus A, et al. **J Gen Virol** 1986 Sep;67 (Pt 9):1893-900

Myasthenia gravis: immunohistological heterogeneity in microenvironmental organization of hyperplastic and neoplastic thymuses suggesting different mechanisms of tolerance breakdown. Chilosi M, et al. **J Neuroimmunol** 1986 May;11(3):191-204

Immunity and suppression in radiation- and radiation leukemia virus (RadLV)-induced leukemogenesis. Yefenof E, et al. **Leuk Res** 1986;10(7):797-801

[Immune defect following thymoma. Case description and review] Manzanell C, et al. **Schweiz Med Wochenschr** 1985 Oct 5;115(40):1393-401 (Eng. Abstr.) (Ger)

METABOLISM

Coordinate activation and regulation of quiescent metallothionein I and II genes in carcinogen-treated mouse thymic lymphoma cells. MacArthur CA, et al. **Carcinogenesis** 1986 Sep;7(9):1487-95

Beta-endorphin: interaction with specific nonopioid binding sites on EL4 thymoma cells. Schweigerer L, et al. **Neuropeptides** 1985 Sep;6(5):445-52

Induction of concanavalin A dose-dependent T-cell growth factor production by insertion of T-cell membrane components into the AKR thymic lymphoma BW 5147. Lindqvist C, et al. **Scand J Immunol** 1986 Jan;23(1):119-25

MICROBIOLOGY

Transformation of T-lymphoid cells by Abelson murine leukemia virus. Scott ML, et al. **J Virol** 1986 Aug; 59(2):434-43

RNA tumor virus in human thymomas and thymus hyperplasias. Ono A, et al. **Semin Surg Oncol** 1985; 1(3):139-52

Specific integration of recombinant proviral sequences in ecotropic Gross virus-accelerated AKR thymomas. Buchhagen DL. **Virology** 1984 Apr 30;134(2):287-95

PATHOLOGY

Carcinoid tumour of the thymus: a case report. Deneffe G, et al. **Acta Chir Belg** 1986 Mar-Apr;86(2):72-4

Pleural fluid cytology of invasive thymoma. Zirkin HJ. **Acta Cytol (Baltimore)** 1985 Nov-Dec;29(6):1011-4

Sequential observations of thymic lymphoma development induced in 10-week-old F344 rats by N-propyl-N-nitrosourea. Ogiu T, et al.

Acta Pathol Jpn 1985 Sep;35(5):1191–200
Immunohistochemical evidence for the expression of the carcinoembryonic antigen by human thymic epithelial cells in vitro and in neoplastic conditions. Savino W, et al. **Am J Pathol** 1985 Dec;121(3):418–25
An immunohistochemical study of thymic epithelial tumors. I. Epithelial component. Kodama T, et al. **Am J Surg Pathol** 1986 Jan;10(1):26–33
Unusual thymic seminomas. Burns BF, et al. **Arch Pathol Lab Med** 1986 Jun;110(6):539–41
Phenotypical characteristics and proliferative capabilities of thymocyte subsets in human thymoma. Musiani P, et al. **Clin Immunol Immunopathol** 1986 Sep;40(3):385–92
Pathology of thymic epithelial tumors. Müller-Hermelink HK, et al. **Curr Top Pathol** 1986;75:207–68 (113 ref.)
Malignant thymic neoplasms: diagnosis by fine-needle aspiration biopsy with histologic, immunocytochemical, and ultrastructural confirmation. Finley JL, et al. **Diagn Cytopathol** 1986 Apr–Jun;2(2):118–25
An immunohistologic study of the epithelial and lymphoid components of six thymomas. van der Kwast TH, et al. **Hum Pathol** 1985 Oct;16(10):1001–8
Malignancy and differentiation of neoplastic epithelial cells of thymoma. Monden Y, et al. **J Surg Oncol** 1986 Feb; 31(2):130–8
Recurrence of thymoma with appearance of myasthenia gravis 18 years after surgery: a case report. Shinkai T, et al. **Jpn J Clin Oncol** 1985 Sep;15(3):567–75
Phenotype of thymic lymphomas in the mouse. Greimers R, et al. **Leuk Res** 1986;10(7):777–82
Glucocorticoid resistance is a dominant trait in hybrids between cytolytic T-lymphocyte lines and AKR thymomas. Nguyen TT, et al. **Somatic Cell Mol Genet** 1985 Nov;11(6):593–604
Surgical pathology of the thymus: 20 years' experience. Large SR, et al. **Thorax** 1986 Jan;41(1):51–4
Heterogeneity of epithelial cells and reactive components in thymomas: an ultrastructural and immunohistochemical study. Eimoto T, et al. **Ultrastruct Pathol** 1986;10(2):157–73
Primary thymic carcinoma. An unusual case originating in a lymphocytic rich thymoma. Herczeg E, et al. **Virchows Arch [A]** 1986;409(2):163–9
Immunohistological evidences of cortical and medullary differentiation in thymoma. Müller-Hermelink HK, et al. **Virchows Arch [A]** 1985;408(2–3):143–61
Metastasizing ectopic thymoma arising in the right thoracic cavity and mimicking diffuse pleural mesothelioma—an autopsy study of a case with review of literature. Honma K, et al. **Wien Klin Wochenschr** 1986 Jan 10;98(1):14–20
[Pleural colonization of thymoma] Patanè D, et al. **Radiol Med (Torino)** 1986 Jul–Aug;72(7–8):548–55 (Eng. Abstr.) **(Ita)**
[A case of carcinoid of probable thymic origin] Suzuki S, et al. **Kyobu Geka** 1985 Jul;38(7):580–3 (Eng. Abstr.) **(Jpn)**
[Intracaval and intraatrial growth of thymoma: report of a long-surviving case] Fujio A, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Aug; 23(8):934–9 (Eng. Abstr.) **(Jpn)**
[Giant cell myositis and myocarditis associated with myasthenia gravis and thymoma—an autopsy case] Tomimoto H, et al. **Rinsho Shinkeigaku** 1985 Jun; 25(6):688–93 (Eng. Abstr.) **(Jpn)**
[A pathologic review of thymic neoplasms] Koide O, et al. **Saugyo Ika Daigaku Zasshi** 1985 Dec 1;7(4):435–52 (74 ref.) (Eng. Abstr.) **(Jpn)**
[Lymphogranulomatosis of the thymus in a 12-year-old child] Kozhevnikov VA, et al. **Grudn Khir** 1985 Nov–Dec; (6):92–3 **(Rus)**
[So-called transitional or atypical carcinoids] Bozadzhieva E, et al. **Probl Endokrinol (Mosk)** 1986 Jan–Feb;32(1):40–1 **(Rus)**
[Hypophyseal tumor associated with an ectopically localized thymoma] Rajić M, et al. **Srp Arh Celok Lek** 1986 Feb; 114(2):207–13 (Eng. Abstr.) **(Scc)**
[Thymoma: a clinico-pathological study of 14 cases] Roa I, et al. **Rev Med Chil** 1985 Mar;113(3):207–12 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

A protective role of 13-cis retinoic acid in thymic lymphoma induction. Przybyszewska M. **Arch Immunol Ther Exp (Warsz)** 1985;33(6):811–5

RADIOGRAPHY

[Value of x-ray computed tomography in assessing the extent of invasive lympho-epithelial thymoma in the adult. Therapeutic implications] Ramon P, et al. **Rev Mal Respir** 1986;3(2):105–10 (Eng. Abstr.) **(Fre)**
[X-ray diagnosis of invasive thymoma] Dewes W, et al. **ROFO** 1986 Apr;144(4):388–94 (Eng. Abstr.) **(Ger)**
[Tumors forming a line like a rosary along the major fissure: intrathoracic metastasis of invasive thymoma] Tsubota N, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Jul; 23(7):849–52 (Eng. Abstr.) **(Jpn)**
[What is your diagnosis? Thymoma associated with myasthenia gravis] Contreras Cecilia E, et al. **Rev Clin Esp** 1985 Nov;177(7):353–4 **(Spa)**

RADIONUCLIDE IMAGING

Thallium-201 uptake in a benign thymoma. Campeau RJ, et al. **Clin Nucl Med** 1986 Jul;11(7):524

RADIOTHERAPY

Hepatic mass. Functioning metastatic thymoma 22 years after radiation therapy. Grimmond AP, et al. **Clin Nucl Med** 1986 Aug;11(8):570–1
Malignant epithelial tumours of the thymus: survival after radiotherapy. Magee BJ, et al. **Clin Radiol** 1986 May; 37(3):273–5

SECRETION

In vitro and in vivo induction of terminal deoxynucleotidyl transferase activity in bone marrow cells by thymic humoral factors derived from a tumor cell of thymic epithelial origin. Koninkx JF, et al. **Thymus** 1986; 8(1–2):45–58

SURGERY

Thymomas. A review of 169 cases, with particular reference to results of surgical treatment. Maggi G, et al. **Cancer** 1986 Aug 1;58(3):765–76
Reconstruction of the left innominate vein in a patient with invasive thymoma undergoing coronary artery bypass surgery. Mendez-Fernandez MA, et al. **J Cardiovasc Surg (Torino)** 1986 May–Jun;27(3):351–4
Thymoma. The most common anterior mediastinal mass. Cohen DJ. **Postgrad Med** 1986 Mar;79(4):161–2, 167–8
[Thymoma—report of 268 cases] Luo JA. **Chung Hua Chung Liu Tsa Chih** 1985 Sep;7(5):373–6 (Eng. Abstr.) **(Chi)**
[An operated case of thymic carcinoid] Fujio A, et al. **Kyobu Geka** 1985 Dec;38(12):976–9 (Eng. Abstr.) **(Jpn)**
[A case of resection of thymic carcinoid] Nakamura K, et al. **Kyobu Geka** 1985 Aug;38(8):663–7 (Eng. Abstr.) **(Jpn)**
[Clinical trial of atracurium besylate for a patient with myasthenia gravis] Hamaguchi Y, et al. **Masui** 1985 Sep; 34(9):1275–9 (Eng. Abstr.) **(Jpn)**
[An operated case of thymoma with pure red cell aplasia—review of the Japanese literature] Arimura T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Sep; 33(9):1351–6 (Eng. Abstr.) **(Jpn)**
[Myasthenia gravis and malignant thymoma in pregnancy: a case report] Watanabe S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Feb;38(2):273–6 **(Jpn)**
[Transthoracic approach to the thymus gland] Ratner GL. **Vestn Khir** 1985 Oct;135(10):19–21 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

[Electron microscopic characteristics of carcinoid tumors of varying localization and degree of differentiation] Derizhanova IS, et al. **Arkh Patol** 1986;48(1):56–62 (Eng. Abstr.) **(Rus)**

VETERINARY

Immunological and ultrastructural observations on swine thymic lymphoma. Kadota K, et al. **J Comp Pathol** 1986 Jul;96(4):371–8
Spontaneous pathology of the thymus in aging Wistar (Cpb:WU) rats. Kuper CF, et al. **Vet Pathol** 1986 May; 23(3):270–7
Thymoma with distant metastases in a cat. Middleton DJ, et al. **Vet Pathol** 1985 Sep;22(5):512–4

THYROCALCITONIN see **CALCITONIN**

THYROGLOBULIN

Prediction of the secondary structure of the carboxy-terminal third of rat thyroglobulin. Formisano S, et al. **Biochem Biophys Res Commun** 1985 Dec 17;133(2):766–72
Analysis of sequence and structure homologies between thyroglobulin and acetylcholinesterase: possible functional and clinical significance. Swillens S, et al. **Biochem Biophys Res Commun** 1986 May 29;137(1):142–8

ANALYSIS

Identification of unsuspected thyroid carcinoma using immunoperoxidase for thyroglobulin. Meyers FJ, et al. **Am J Med** 1986 Jul;81(1):177–9
Heterogeneity of 125I-labeled human thyroglobulin preparations. Spencer CA, et al. **Clin Chim Acta** 1985 Sep 30;151(2):121–32
Comparative study of the oligosaccharides of human thyroglobulins obtained from normal subjects and patients with various diseases. Hotta T, et al. **J Appl Biochem** 1985 Apr;7(2):98–103
Fine needle aspiration in studies of thyroglobulin (Tg). Iodothyronine and iodine contents of Tg from patients with multinodular euthyroid goitre. Laurberg P, et al. **Scand J Clin Lab Invest** 1986 Jun;46(4):319–23
[Circadian and circannual oscillations in thyroglobulin in the healthy adult male] Guagnano MT, et al. **Boll Soc Ital Biol Sper** 1986 Mar 31;62(3):315–20 (Eng. Abstr.) **(Ita)**

BIOSYNTHESIS

Inhibition of N-linked oligosaccharide processing does not prevent the secretion of thyroglobulin. A study with swainsonine and deoxynojirimycin. Franc JL, et al. **Eur J Biochem** 1986 May 15;157(1):225–32
Epidermal growth factor inhibits thyrotropin-mediated synthesis of tissue-specific proteins in cultured ovine thyroid cells. Errick JE, et al. **Mol Cell Endocrinol** 1985 Nov;43(1):51–9
Synthesis of a high molecular weight thyroglobulin dimer by two ovine thyroid cell lines: the OVNIS. Hovsépian S, et al. **Mol Cell Endocrinol** 1986 May;45(2–3):119–26
Concurrent production of calcitonin and thyroglobulin by the same neoplastic cells. Holm R, et al. **Ultrastruct Pathol** 1986;10(3):241–8

BLOOD

Goitre epidemiology: thyroid volume, iodine excretion, thyroglobulin and thyrotropin in Germany and Sweden. Gutekunst R, et al. **Acta Endocrinol (Copenh)** 1986 Aug; 112(4):494–501
Release of thyroid hormone from circulating thyroglobulin in the rat. Taura M, et al. **Acta Endocrinol (Copenh)** 1986 Feb;111(2):209–12
How to deal with undetectable and low measurable serum thyroglobulin levels in the follow-up of patients with differentiated thyroid carcinoma? Välimäki M, et al. **Acta Endocrinol (Copenh)** 1985 Dec;110(4):487–92
Thyrotrophin receptors, tumour radioiodine concentration and thyroglobulin secretion in differentiated thyroid cancers. Edmonds CJ, et al. **Br J Cancer** 1985 Oct; 52(4):537–41
Humoral markers for thyroid carcinoma. Pacini F, et al. **Cancer Detect Prev** 1985;8(1–2):17–22
The effect of [125I]thyroglobulin tracer heterogeneity on serum Tg RIA measurement. Spencer CA, et al. **Clin Chim Acta** 1985 Dec 13;153(2):105–15
Reciprocal changes of serum thyroglobulin and TSH in residents of a moderate endemic goitre area. Fenzi GF, et al. **Clin Endocrinol (Oxf)** 1985 Aug;23(2):115–22
Diagnostic value of a single serum thyroglobulin determination on and off thyroid suppressive therapy in the follow-up of patients with differentiated thyroid cancer. Pacini F, et al. **Clin Endocrinol (Oxf)** 1985 Oct; 23(4):405–11
Serum thyroglobulin and TSH in a moderate endemic goiter area [letter] Wiener JD. **Clin Endocrinol (Oxf)** 1986 Apr; 24(4):468–9
The value of thyroglobulin (TGL) assay in following the post-therapeutic course of differentiated thyroid cancer. Socolov C, et al. **Endocrinologie** 1986 Jan–Mar;24(1):39–43
Thyroglobulin and thyroid hormones in patients on long-term treatment with phenytoin, carbamazepine, and valproic acid. Ericson UB, et al. **Epilepsia** 1985 Nov–Dec; 26(6):594–6
Critical evaluation of serum thyroglobulin (Tg) levels during thyroid hormone suppression therapy versus Tg levels after hormone withdrawal and total body scan: results in 291 patients with thyroid cancer. Girelli ME, et al. **Eur J Nucl Med** 1986;11(9):333–5
Use of double antibody & Staphylococcus aureus as a separating agent in RIA of thyroglobulin. Kumar A, et al. **Indian J Med Res** 1985 Sep;82:248–53
Complementary role of whole body scan and serum thyroglobulin determination in the follow-up of differentiated thyroid carcinoma. Ronga G, et al. **Ital J Surg Sci** 1986;16(1):11–5
Serum thyroglobulin concentrations in the first weeks of life as measured with an immunoluminometric assay. Baumann P, et al. **J Clin Chem Clin Biochem** 1985 Nov;23(11):753–8
Kinetic study of immunoreactive human thyroglobulin. Izumi M, et al. **J Clin Endocrinol Metab** 1986 Feb;62(2):410–2
Serum thyroglobulin levels are elevated in newborns from iodine-deficient areas. Sava L, et al. **J Clin Endocrinol Metab** 1986 Feb;62(2):429–32
An enzyme-linked immunosorbent assay for the measurement of thyroglobulin in human serum using mouse monoclonal antibodies. Kilduff P, et al. **J Endocrinol** 1985 Dec; 107(3):383–7
Serum thyroglobulin (Tg) in presence of thyroglobulin autoantibodies (TgAb). Clinical and methodological relevance of the interaction between Tg and TgAb in vitro and in vivo. Feldt-Rasmussen U, et al. **J Endocrinol Invest** 1985 Dec;8(6):571–6 (39 ref.)
Serum thyroglobulin levels in hypofunctioning nodules before and after surgery. de Cremoux P, et al. **Klin Wochenschr** 1985 Oct 15;63(20):1052–4
Degradation of circulating thyroglobulin. Taura M, et al. **Metabolism** 1985 Oct;34(10):945–8
Thyroglobulin and thyroid function in patients on regular hemodialysis [letter] Amado JA, et al. **Nephron** 1986; 43(2):160
Thyroglobulin measurements in the follow-up of patients with differentiated thyroid carcinoma: comparison with quantitative radioactive iodine uptake measurements and total body scans. Bolk JH, et al. **Neth J Med** 1985; 28(9):340–6
Thyroglobulin measurement in thyroid cancer. Lekkerkerker JF. **Neth J Med** 1985;28(9):338–9
Haloperidol and thyroid-binding globulin [letter] Lawlor BA, et al. **South Med J** 1985 Dec;78(12):1525
Serum thyroglobulin concentration in nontoxic goiter and response to surgery with special reference to risk of goiter relapse. Feldt-Rasmussen U, et al. **World J Surg** 1986 Aug;

10(4):566–71
[Plasma thyroglobulin in treated hypothyroidism in children] Colle M, et al. **Arch Fr Pediatr** 1986 Mar;43(3):183–6 (Eng. Abstr.) (Fre)
[Etiologic diagnosis of congenital hypothyroidism and plasma thyroglobulin] Léger J, et al. **Arch Fr Pediatr** 1986 Mar; 43(3):179–82 (Eng. Abstr.) (Fre)
[Serum thyroglobulin is elevated in patients with heterogeneous goiter during radioiodide scintigraphy, but normal in those with homogeneous goiter] Izembart M, et al. **Schweiz Med Wochenschr** 1986 May 10;116(19):634–7 (Eng. Abstr.) (Fre)
[After care in differentiated thyroid cancers. The value of thyroglobulin determination] Moser E. **Fortschr Med** 1986 Feb 20;104(7):149–52 (Eng. Abstr.) (Ger)
[Serum thyroglobulin levels in patients with thyroid tumor] Abe N, et al. **Nippon Naibunpi Gakkai Zasshi** 1986 Jan 20;62(1):9–17 (Eng. Abstr.) (Jpn)
[Recent progress in thyroid function tests—TBII, free T3, thyroglobulin and calcitonin] Hashimoto T, et al. **Rinsho Byori** 1985 May;33(5):480–99 (124 ref.) (Jpn)
[High sensitivity enzymeimmunoassay for the measurement of serum thyroglobulin] Kato R, et al. **Rinsho Byori** 1985 Aug;33(8):940–6 (Jpn)
[Radioimmunologic test system for determining the concentration of thyroglobulin in human blood serum] Shcherban' AI, et al. **Med Radiol (Mosk)** 1986 Apr; 31(4):71–4 (Rus)
[Serum thyroglobulin in the follow-up of patients treated for differentiated carcinoma of the thyroid. Evaluation of factors determining its effectiveness] García Solís D, et al. **Med Clin (Barc)** 1986 May 10;86(18):748–52 (Eng. Abstr.) (Spa)

GENETICS

Methylation and expression of the human thyroglobulin gene. Libert F, et al. **Biochem Biophys Res Commun** 1986 Feb 13;134(3):1109–13
Antagonistic effects of thyrotropin and epidermal growth factor on thyroglobulin mRNA level in cultured thyroid cells. Roger PP, et al. **Eur J Biochem** 1985 Oct 15; 152(2):239–45
Mapping of human thyroglobulin gene on the long arm of chromosome 8 by in situ hybridization. Avvedimento VE, et al. **Hum Genet** 1985;71(2):163–6
Normal level of thyroglobulin messenger ribonucleic acid in a human congenital goiter with thyroglobulin deficiency. Cabrer B, et al. **J Clin Endocrinol Metab** 1986 Oct; 63(4):931–40
The human thyroglobulin gene is over 300 kb long and contains introns of up to 64 kb. Baas F, et al. **Nucleic Acids Res** 1986 Jul 11;14(13):5171–86
The complete structure of the rat thyroglobulin gene. Musti AM, et al. **Proc Natl Acad Sci USA** 1986 Jan;83(2):323–7

IMMUNOLOGY

Antigenic determinants on thyroglobulin recognized by T cells in patients with chronic thyroiditis. Shimojo N, et al. **Acta Endocrinol (Copenh)** 1986 Apr;111(4):481–6
Interspecies cross-reactive determinants of thyroglobulin recognized by autoantibodies. Kohno Y, et al. **Clin Exp Immunol** 1985 Jul;61(1):44–8
Antithyroglobulin monoclonal and autoantibodies cross-react with an orbital connective tissue membrane antigen: a possible mechanism for the association of ophthalmopathy with autoimmune thyroid disorders. Kuroki T, et al. **Clin Exp Immunol** 1985 Nov;62(2):361–70
A high prevalence of thyroglobulin autoantibodies in adults with and without thyroid disease as measured with a sensitive solid-phase immunosorbent radioassay. Ericsson UB, et al. **Clin Immunol Immunopathol** 1985 Nov; 37(2):154–62
Suppression of in vitro human antithyroglobulin antibody secretion by private and cross-reactive anti-idiotypic antibodies. Kojima K, et al. **Clin Immunol Immunopathol** 1986 May;39(2):337–44
Activation of cytotoxic T cells and effector cells in experimental autoimmune thyroiditis by shared determinants of mouse and human thyroglobulins. Simon LL, et al. **Clin Immunol Immunopathol** 1986 May; 39(2):345–56
Development of enzyme-linked immunospecific assay (ELISA) for the detection of monoclonal antibody: application to detection of monoclonal anti-TBG. Mori Y, et al. **Endocrinol Jpn** 1985 Apr;32(2):271–8
Production and characterization of monoclonal antibodies against human thyroglobulin. Piechaczyk M, et al. **Hybridoma** 1985 Winter;4(4):361–7
A technique for the isolation and mitogenic activation of thyroglobulin-specific human B lymphocytes. McLachlan SM, et al. **Immunol Lett** 1986 Mar;12(2–3):127–32
Helper and suppressor activities of an autoreactive mouse thyroglobulin-specific T-cell clone. Champion BR, et al. **Immunology** 1986 May;58(1):51–6
Monoclonal antithyroglobulin antibodies derived from immunizations of mice with human eye muscle and thyroid membranes. Tao TW, et al. **J Clin Endocrinol Metab** 1986 Sep;63(3):577–82
Production of anti-thyroglobulin antibody by blood lymphocytes from patients with autoimmune thyroiditis, induced by the insolubilized autoantigen. Logtenberg T, et al. **J Immunol** 1986 Feb 15;136(4):1236–40
Production of murine monoclonal antibodies against human thyroglobulin using an in vitro immunization procedure in serum-free medium. Ossendorp FA, et al. **J Immunol Methods** 1986 Jul 24;91(2):257–64
Homology between thyroglobulin and acetylcholinesterase: an explanation for pathogenesis of Graves' ophthalmopathy? [letter] Ludgate M, et al. **Lancet** 1986 Jul 26;2(8500):219–20
[Value of the detection of antithyroid antibodies in thyroid pathology] Guillausseau C, et al. **Pathol Biol (Paris)** 1985 Jun;33(6):653–8 (Eng. Abstr.) (Fre)
[Evaluation of radioimmunoassay for antithyroglobulin autoantibodies] Lourme J, et al. **Pathol Biol (Paris)** 1985 Sep;33(7):735–40 (Eng. Abstr.) (Fre)
[Study of idiotypes and the idiotype network of autoanti-thyroglobulin antibodies in rabbits] Hasegawa T, et al. **Arerugi** 1986 Feb;35(2):96–102 (Eng. Abstr.) (Jpn)
[Properties of a suppressive T-cell factor regulating anti-thyroglobulin antibody formation in the lymphocytes of chronic thyroiditis patients] Noma T, et al. **Arerugi** 1986 Feb;35(2):77–85 (Eng. Abstr.) (Jpn)
[Fundamental study on measurement of antithyroglobulin antibody by immunoradiometric assay (IRMA)] Takada I, et al. **Kaku Igaku** 1985 Sep;22(9):1399–404 (Jpn)
[Investigations on the mechanism(s) of the production of anti-thyroid hormone antibodies 4: the effect of adjuvant on the immune response to human thyroglobulin] Sakata S, et al. **Nippon Naibunpi Gakkai Zasshi** 1985 Aug 20; 61(8):794–801 (Eng. Abstr.) (Jpn)
[Comparative studies on immunological property of thyroglobulins obtained from the thyroid tumor and the adjacent tissue] Tarutani O, et al. **Nippon Naibunpi Gakkai Zasshi** 1985 Oct 20;61(10):1176–81 (Eng. Abstr.) (Jpn)
[Membrane and thyroglobulin antibodies in Graves-Basedow disease treated with I-131 or thyrostatics] Czech W, et al. **Pol Tyg Lek** 1986 Feb 3;41(5):142–4 (Eng. Abstr.) (Pol)

ISOLATION & PURIFICATION

Properties of thyroglobulins from normal thyroid and thyroid tumor on a concanavalin A–sepharose column. Tarutani O, et al. **J Biochem (Tokyo)** 1985 Sep;98(3):851–7
[Isolation of thyroglobulin from the bovine thyroid free of endogenous proteolytic activity] Alimbabaeva NT, et al. **Prikl Biokhim Mikrobiol** 1986 May-Jun;22(3):310–4 (Eng. Abstr.) (Rus)

METABOLISM

Intrathyroidal thyroglobulin in streptozotocin-diabetic rats. Lamas L, et al. **Acta Endocrinol (Copenh)** 1986 Aug; 112(4):552–8
Thyroglobulin and clear-cell tumors [letter] Dayal Y, et al. **Am J Surg Pathol** 1986 Jan;10(1):70–2
Thyroglobulin production by malignant thyroid tumors. An immunocytochemical and radioimmunoassay study. Ryff-de Lèche A, et al. **Cancer** 1986 Mar 15;57(6):1145–53
Effect of aminoglycosides on the disposition of thyroid hormones and thyroglobulin. du Souich P, et al. **Clin Pharmacol Ther** 1985 Dec;38(6):686–91
Diffusion of thyroglobulin in the follicular colloid. (Minireview). Gerber H, et al. **Endocrinol Exp (Bratisl)** 1986 Mar;20(1):23–33 (56 ref.)
Evidence, by in vitro enzymatic iodination of thyroglobulin, that the efficiency of coupling is determined by the initial iodide concentration. Lamas L, et al. **Endocrinology** 1986 May;118(5):2131–6
Studies on the posttranslational migration and processing of thyroglobulin: use of inhibitors and evaluation of the role of phosphorylation. Spiro MJ, et al. **Endocrinology** 1986 Sep;119(3):1146–58
Regulation of thyroglobulin glycosylation. A comparative study of the thyroglobulins from porcine thyroid glands and follicles in serum-free culture. Ronin C, et al. **J Biol Chem** 1986 Jun 5;261(16):7287–93
Coated vesicles from the thyroid gland: isolation, characterization, and a search for a possible role in thyroglobulin transport. Pierce LR, et al. **J Endocrinol Invest** 1985 Aug;8(4):303–12
Iodination of thyroglobulin molecules depends on their diffusion velocity in follicular colloid. Studer H, et al. **Mol Cell Endocrinol** 1986 May;45(2–3):91–103
Inactivation of peroxidase and glucose oxidase by H2O2 and iodide during in vitro thyroglobulin iodination. Wildberger E, et al. **Mol Cell Endocrinol** 1986 Jul;46(2):149–54

PHARMACODYNAMICS

[Growth in weaned piglets and levels of iodothyronines in the blood during the administration of thyroactive substances] Dvořák M, et al. **Vet Med (Praha)** 1986 May; 31(5):265–76 (Eng. Abstr.) (Cze)
[Modulation of thyroid hormone synthesis by thyroglobulin] Lissitzky S. **Bull Acad Natl Med (Paris)** 1985 Feb; 169(2):261–6 (Eng. Abstr.) (Fre)

SECRETION

Secretion of sulfated thyroglobulin. Herzog V. **Eur J Cell Biol** 1986 Jan;39(2):399–409

THYROGLOSSAL CYST

COMPLICATIONS

Papillary carcinoma of thyroglossal duct cyst. A case report. Chiantelli A, et al. **Acta Otorhinolaryngol Belg** 1985; 39(6):1001–5
Cervical thymus cyst and thyroglossal cyst carcinoma. Berridge DC, et al. **Br J Surg** 1986 Jan;73(1):44
Tracheostomy sinuses. Case reports of an internal and external sinus. McCormick MS, et al. **J Laryngol Otol** 1985 Nov;99(11):1173–7

CONGENITAL

Branched and polycystic thyroglossal duct anomaly. Tovi F, et al. **J Laryngol Otol** 1985 Nov;99(11):1179–82

PATHOLOGY

Thyroglossal tract anomalies. el-Silimy OE, et al. **Clin Otolaryngol** 1985 Dec;10(6):329–34
Thyroglossal duct carcinomas: light and electron microscopic studies. Ronan SG, et al. **Head Neck Surg** 1986 Jan–Feb; 8(3):222–5
Thyroglossal duct cyst of the tongue. Santiago W, et al. **J Otolaryngol** 1985 Aug;14(4):261–4
Carcinoma of the thyroglossal duct. Bosch JL, et al. **Neth J Surg** 1986 Apr;38(2):36–40
[Papillary carcinoma developing in thyroglossal duct cyst. Apropos of 2 cases] Kchir N, et al. **Ann Otolaryngol Chir Cervicofac** 1986;103(1):57–60 (Eng. Abstr.) (Fre)
[Papillary carcinoma arising from a thyroglossal duct remnant] Hirabuki N, et al. **Rinsho Houkasen** 1986 Apr; 31(4):531–3 (Eng. Abstr.) (Jpn)

SURGERY

Thyroglossal ducts, cysts and sinuses: a recurrent problem. Howard DJ, et al. **Ann R Coll Surg Engl** 1986 May; 68(3):137–8

THYROID ANTAGONISTS

Antithyroid effects of propylthiouracil and sulfamonomethoxine in rats and monkeys. Takayama S, et al. **Toxicol Appl Pharmacol** 1986 Feb;82(2):191–9

ADMINISTRATION & DOSAGE

Antithyroid drug therapy for Graves' disease during pregnancy. Optimal regimen for fetal thyroid status. Momotani N, et al. **N Engl J Med** 1986 Jul 3;315(1):24–8

ANALYSIS

Water goitrogens and endemic goitre in the Sudan. el Mahdi E, et al. **Trop Geogr Med** 1986 Jun;38(2):180–2
[The occurrence of goitrogenic substances in milk. 1. Release of goitrin in the milk of cows fed on rapeseed extract cakes] Bachmann M, et al. **Z Lebensm Unters Forsch** 1985 Nov; 181(5):375–8 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

Inhibitory effects of antithyroid drugs on oxygen radical formation in human neutrophils. Imamura M, et al. **Acta Endocrinol (Copenh)** 1986 Jun;112(2):210–6
Kinetics of [123I]iodide uptake and discharge by perchlorate in studies of inhibition of iodide binding by antithyroid drugs. McCruden DC, et al. **Acta Endocrinol (Copenh)** 1985 Dec;110(4):499–504

THERAPEUTIC USE

Paired determination of thyroid-stimulating and TSH-binding inhibitory activities in patients with Graves' disease during antithyroid drug treatment. Kasagi K, et al. **Acta Endocrinol (Copenh)** 1986 Apr;111(4):474–80
Prevalence of inappropriate drug treatment in patients with hyperthyroidism. Cooke SG, et al. **Br Med J [Clin Res]** 1985 Nov 23;291(6507):1491–2
Immunosuppresive effects of antithyroid drugs. Ratanachaiyavong S, et al. **Clin Endocrinol Metab** 1985 May;14(2):449–66
Prescribing in pregnancy. Thyroid disease. Burr W. **Clin Obstet Gynaecol** 1986 Jun;13(2):277–90 (31 ref.)
Practical therapeutics: the use of antithyroid drugs. Obel AO. **East Afr Med J** 1985 Dec;62(12):905–10
Thyrotropin-releasing hormone testing during antithyroid drug treatment of Graves' disease as an indicator of remission. Dahlberg PA, et al. **J Clin Endocrinol Metab** 1985 Dec;61(6):1100–4
Thyroid function and histology in forty-five patients with hyperthyroid Graves' disease in clinical remission more than ten years after thionamide drug treatment. Hirota Y, et al. **J Clin Endocrinol Metab** 1986 Jan;62(1):165–9
Diagnosis and management of hyperthyroidism. Stockigt JR, et al. **Med J Aust** 1986 Sep 15;145(6):278–82
Betablockers compared with antithyroid drugs as preoperative treatment in hyperthyroidism: drug tolerance, complications, and postoperative thyroid function. Lennquist S, et al. **Surgery** 1985 Dec;98(6):1141–7
[Specific aspects of the treatment in certain forms of hyperthyroidism] Mockel J. **Rev Med Brux** 1986 Jun;

7(6):363-5 (Eng. Abstr.) (Fre)
[Treatment of hyperthyroidism: inhibitors of T4-T3 conversion] Unger J. Rev Med Brux 1986 Jun;7(6):367-9 (Eng. Abstr.) (Fre)
[The suppression test in the control of the course of antithyroid drug therapy: renaissance of an in vivo nuclear medicine procedure?] Reiners C, et al. Nuklearmedizin 1985 Jun;24(3):135-40 (Eng. Abstr.) (Ger)

THYROID CARTILAGE see under LARYNGEAL CARTILAGES

THYROID CRISIS

CHEMICALLY INDUCED

Postoperative thyroid storm after lithium preparation. Reed J, et al. Surgery 1985 Nov;98(5):983-6

COMPLICATIONS

Fatal thyrotoxic crisis. Herman GE, et al. Am J Forensic Med Pathol 1986 Jun;7(2):174-6

DIAGNOSIS

Life-threatening hypercalcemia in a case of thyrotoxicosis: clinical features and management. A case report. Hedman I, et al. Acta Chir Scand 1985;151(5):487-9
Neurologic disease and thyrotoxic storm. A clinical and electrophysiological study. Verhagen WI, et al. Electromyogr Clin Neurophysiol 1986 Jan-Feb;26(1):27-32
Thyroid storm and myxedema coma. Nicoloff JT. Med Clin North Am 1985 Sep;69(5):1005-17
[A neuropsychiatric syndrome as the first manifestation of thyroid storm] Sabin H, et al. Harefuah 1985 May 15; 108(10):483-4 (Eng. Abstr.) (Heb)

DRUG THERAPY

Reserpine in propranolol-resistant thyroid storm. Anaissie E, et al. Arch Intern Med 1985 Dec;145(12):2248-9

ETIOLOGY

[Thyroid crisis in a patient with drug-induced agranulocytosis] Koshinin MN, et al. Klin Med (Mosk) 1985 Jul;63(7):125-6 (Rus)

THYROID DISEASES

Symposium on thyroid disease. Med Clin North Am 1985 Sep;69(5):847-1120
A case report on international cooperation in the study of thyroid disease. Stanbury JB. Perspect Biol Med 1986 Spring;29(3 Pt 2):S205-13
[Pregnancy and functional disorders of the thyroid gland] Limanová Z. Cesk Gynekol 1986 Jun;51(5):358-62 (Cze)
[Abstracts of the 2d symposium on Current Problems in Pediatric Endocrinology. Reinhardsbrunn, 9-12 April 1984] Exp Clin Endocrinol 1985 Aug;86(1):93-128 (Ger)
[Recent advances in thyroid pathology in Chile] Pineda G. Rev Med Chil 1985 Jun;113(6):568-79 (Eng. Abstr.) (Spa)

BLOOD

Effect of domperidone on serum TSH and growth hormone in thyroid patients. Földes J, et al. Acta Med Hung 1985; 42(3-4):133-43
Serum calcitonin in thyroid disorders and in pheochromocytoma kindred. Hornicek FJ, et al. Ann Clin Lab Sci 1986 Mar-Apr;16(2):103-7
The circadian variation of thyrotrophin in patients with primary thyroidal disease. Evans PJ, et al. Clin Endocrinol (Oxf) 1986 Apr;24(4):343-8
Serum concentrations of somatomedins and growth hormone in relation to bone metabolism in acromegaly and thyroid dysfunction. Bijlsma JW, et al. Clin Exp Rheumatol 1986 Apr-Jun;4(2):105-10
Changes in plasma fibronectin levels in thyroid diseases. Shirakami A, et al. Horm Metab Res 1986 May;18(5):345-8
Renal adenylate cyclase assay for biologically active parathyroid hormone: clinical utility and physiological significance. Auf'mkolk B, et al. J Endocrinol 1986 Jan; 108(1):9-15
Clinical experience with sensitive thyrotropin measurements: diagnostic and therapeutic implications. Bayer MF, et al. J Nucl Med 1985 Nov;26(11):1248-56
Free triiodothyronine in serum in relation to thyroid function. Tuttlebee JW. Med Lab Sci 1985 Jul;42(3):221-5
[Clinical significance of the measurement of serum rT3 in thyroid diseases] Hu RM. Chung Hua I Hsueh Tsa Chih 1985 Dec;65(12):732-5 (Eng. Abstr.) (Chi)
[Serum thyroid hormones in thyroid and nonthyroid disorders: with special emphasis on reverse triiodothyronine measurement] Hsu CH, et al. Taiwan I Hsueh Hui Tsa Chih 1985 Dec;84(12):1313-22 (Eng. Abstr.) (Chi)
[Changes of serum myoglobin levels in thyroid diseases] Jeng CY, et al. Taiwan I Hsueh Hui Tsa Chih 1985 Jun; 84(6):700-6 (Eng. Abstr.) (Chi)
[Should the assay of serum free thyroxine and triiodothyronine replace the other methods of evaluating thyroid function?] Corbineau P, et al. Rev Med Interne 1985 Oct;6(4):390-5 (Eng. Abstr.) (Fre)
[Review of the clinical usefulness of triiodothyronine uptake values] Ban Y. Radioisotopes 1985 Aug;34(8):426-8 (Jpn)

CHEMICALLY INDUCED

Amiodarone therapy and autoimmune thyroid disease. Increase in a new monoclonal antibody-defined T cell subset. Rabinowe SL, et al. Am J Med 1986 Jul;81(1):53-7
Antithyroid antibodies as an early marker for thyroid disease induced by amiodarone. Monteiro E, et al. Br Med J [Clin Res] 1986 Jan 25;292(6515):227-8
Subacute toxicity of methylmercuric chloride and mercuric chloride on mouse thyroid. Nishida M, et al. J Pharmacobiodyn 1986 Apr;9(4):331-8
The pathologic response of the liver and thyroid of the rat to potassium prorenoate (SC-23992). Lumb GD, et al. Toxicol Pathol 1985;13(4):315-24
[Functional status of the thyroid glands of persons employed in the production of thiourea] Talakin IuN, et al. Gig Tr Prof Zabol 1985 Sep;(9):50-1 (Rus)
[Incidence of thyroid dysfunction in patients during chronic treatment with amiodarone] Valenzuela MA, et al. Rev Med Chil 1985 Nov;113(11):1072-5 (Eng. Abstr.) (Spa)

CLASSIFICATION

[Discovery of new types of thyroid diseases] Miyai K. Rinsho Byori 1986 Apr;34(4):415-8 (Jpn)

COMPLICATIONS

Thyroid carcinoma in benign thyroid diseases. An analysis from minute carcinoma. Yamashita H, et al. Acta Pathol Jpn 1985 Jul;35(4):781-8
Increased incidence of thyroid disease among men with hypergonadotropic hypogonadism. Wortsman J, et al. Am J Med 1986 Jun;80(6):1055-9
Thyroid disorders in systemic lupus erythematosus. Goh KL, et al. Ann Rheum Dis 1986 Jul;45(7):579-83
Morning sickness and thyroid function. Evans AJ, et al. Br J Obstet Gynaecol 1986 May;93(5):520-2
Vitiligo and polyglandular autoimmune endocrinopathy. Bloch MH, et al. Cutis 1985 Nov;36(5):417-9, 421
Concomitant thyroid disease in hyperparathyroidism. Reasons for unsatisfactory ultrasonographical localization of parathyroid glands. Karstrup S, et al. Eur J Radiol 1986 May;6(2):149-52
Surgical treatment of thyroid related upper eyelid retraction. Patel AR. Indian J Ophthalmol 1984 Sep-Oct;32(5):371-2
Hypertrophic cardiomyopathy and thyroid diseases. Nakazawa HK, et al. Int J Cardiol 1986 Jul;12(1):97-9
Progressive dementia associated with thyroid disease [letter] Peabody CA, et al. J Clin Psychiatry 1986 Feb;47(2):100
Aches and pains and thyroid disorders. Mullin G. Minn Med 1985 Sep;68(9):711-2
Thyroid glands, bottle corks, and Pemberton's sign. Greganti MA. NC Med J 1986 May;47(5):265-6
Botulinum toxin for the treatment of dysthyroid ocular myopathy. Dunn WJ, et al. Ophthalmology 1986 Apr; 93(4):470-5
The four stages of surgical rehabilitation of the patient with dysthyroid ophthalmopathy. Shorr N, et al. S Afr J Surg 1986 Mar;24(1):5-6
[Causes of thyrotoxicosis in 242 patients] Fagel WJ, et al. Ned Tijdschr Geneeskd 1986 Aug 2;130(31):1406-10 (Eng. Abstr.) (Dut)
[Thyroid lesions in 30 patients with hyperparathyroidism] Mulder H, et al. Ned Tijdschr Geneeskd 1986 Feb 8; 130(6):256-7 (Eng. Abstr.) (Dut)
[Diabetes and thyroid diseases] Vexiau P. Diabete Metab 1985 Oct;11(5):319-20 (Fre)
[The relationship of breast cancer and thyroid diseases] Izuo M, et al. Gan No Rinsho 1985 May;Suppl:117-22 (Eng. Abstr.) (Jpn)
[Thyroid and parathyroid diseases associated with renal tubular acidosis] Ikeda K, et al. Nippon Rinsho 1985 Sep; 43(9):1929-33 (34 ref.) (Jpn)
[Endocrine ophthalmopathy and autoimmune thyroid disease] Karlsson A, et al. Nord Med 1985;100(11):298-301 (Eng. Abstr.) (Swe)

CONGENITAL

Thyroid function in fullterm and preterm newborns. Desai M, et al. Indian J Pediatr 1985 Nov-Dec;52(419):599-607
[Congenital piriformo-thyroid fistula as a cause of recurrent suppurative thyroiditis] Schlamp D, et al. Monatsschr Kinderheilkd 1986 Jul;134(7):475-7 (Eng. Abstr.) (Ger)

DIAGNOSIS

Ultrasound imaging in diffuse thyroid disorders of children. Pöyhönen L, et al. Acta Paediatr Scand 1986 Mar; 75(2):272-8
Evaluation of the thyroid nodule. Cannon CR. Am Fam Physician 1986 May;33(5):147-52
The reliability of the clinical examination of the thyroid gland. A prospective study of 100 consecutive patients surgically treated for hyperparathyroidism. Christensen SB, et al. Ann Chir Gynaecol 1985;74(4):151-4
Diagnostic value of thyrotropin concentrations in serum as measured by a sensitive immunoradiometric assay. Bassett F, et al. Clin Chem 1986 Mar;32(3):461-4
Screening for thyroid disease in women greater than or equal to 50 years of age seeking hospital care: influence of common nonthyroidal illness on serum free thyroxin as determined by analog radioimmunoassay. Nyström E, et al. Clin Chem 1986 Apr;32(4):603-8
Diagnostic performance of a commercial assay for thyrotropin, when used as the initial test of thyroid function [letter] White GH, et al. Clin Chem 1985 Nov;31(11):1914-6
Immunoradiometric assay of thyrotropin in plasma: its value in predicting response to thyroliberin stimulation and assessing thyroid function in amiodarone-treated patients. Wiersinga WM, et al. Clin Chem 1986 Mar;32(3):433-6
Discriminative ability of tests for free and total thyroid hormones in diagnosing thyroid disease. Wilke TJ, et al. Clin Chem 1986 Sep;32(9):1746-50
Prescribing in pregnancy. Thyroid disease. Burr W. Clin Obstet Gynaecol 1986 Jun;13(2):277-90 (31 ref.)
Fine-needle aspiration versus large-needle biopsy or cutting biopsy in evaluation of thyroid nodules. Silverman JF, et al. Diagn Cytopathol 1986 Jan-Mar;2(1):25-30
The appropriate use of diagnostic services: (III). Thyroid disease and the laboratory. Himsworth RL. Health Bull (Edinb) 1985 Sep;43(5):217-20
Sick euthyroid syndrome. Levin RM. Hosp Pract [Off] 1986 Jun 15;21(6):110C-110V, 110AA-110BB
Frozen section diagnosis in thyroid lesions. Shrikhande SS, et al. Indian J Cancer 1985 Mar;22(1):5-7
Fine needle aspiration of the thyroid. Five years' experience with 183 patients. Liel Y, et al. Isr J Med Sci 1985 Sep; 21(9):719-21
Diagnostic accuracy of thyroid aspirative cytology in view of cumulative experience. Malberger E, et al. Isr J Med Sci 1985 Sep;21(9):713-8
Advantages of sensitive assays for thyrotropin in the diagnosis of thyroid disorders. Bernutz C, et al. J Clin Chem Clin Biochem 1985 Dec;23(12):851-6
Experience with routine thyroid function testing: abnormal results in "normal" populations.Banovac K, et al. J Fla Med Assoc 1985 Oct;72(10):835-9
Solitary thyroid nodule. Damrongvadha P. J Med Assoc Thai 1985 Jun;68(6):288-92
Sonographic tissue characterisation in thyroid gland diagnosis. A correlation between sonography and histology. Müller HW, et al. Klin Wochenschr 1985 Aug 1;63(15):706-10
The solitary thyroid nodule [editorial] Lancet 1985 Oct 19; 2(8460):870-1
Thyroid follow-up [letter] Davies PD, et al. Lancet 1986 Mar 29;1(8483):742-3
Quantitative evaluation of selected clinical tests used for differentiation of functional disorders of thyroid gland. Doroszewski J, et al. Mater Med Pol 1983 Jan-Jun; 15(1-2):31-4
Clinical and laboratory assessment of thyroid abnormalities. Kaplan MM. Med Clin North Am 1985 Sep;69(5):863-80
Thyroid nodules [letter] N Engl J Med 1986 Feb 13; 314(7):452-3
A fourteen year practice with the fine needle aspiration biopsy of the thyroid in an endemic area. Schmid KW, et al. Pathol Res Pract 1986 Jun;181(3):308-10
Thyroid function tests in acutely ill patients. Comparison of analogue based free thyroid hormone assays with free thyroxine index. Cooke RR, et al. Pathology 1986 Jan; 18(1):94-7
Developmental disturbances in children of mothers with dysthyreosis--epidemiological aspect. Bielicka I, et al. Psychiatr Neurol Med Psychol Beih 1968;8-9:136-43
The thyroid gland with low uptake lesions: evaluation by ultrasound [letter] Schober O, et al. Radiology 1986 Jan; 158(1):277-8
The new generation of thyrotropin assays--their place in thyrodiagnostic strategy? Nyström E, et al. Scand J Clin Lab Invest 1986 Apr;46(2):197-9
Grey scale ultrasonography of the thyroid gland, Nigeria. Iko BO. Trop Geogr Med 1986 Mar;38(1):21-7
Duplex scanning of the thyroid. Woodcock JP, et al. Ultrasound Med Biol 1985 Jul-Aug;11(4):659-63
Fine needle biopsy and scintigram in the preoperative diagnosis of thyroid lesions. Westman-Naeser S, et al. Ups J Med Sci 1986;91(1):67-76
False-negative errors in fine-needle aspiration biopsy of dominant thyroid nodules: a prospective follow-up study. Boey J, et al. World J Surg 1986 Aug;10(4):623-30
[Differential diagnosis of thyroid gland nodules] Zamrazil V, et al. Bratisl Lek Listy 1986 May;85(5):553-9 (Eng. Abstr.) (Cze)
[The TRH test in the mothers of children with cleft defects of the face and in women with infertility] Křemenová J, et al. Vnitr Lek 1986 Apr;32(4):362-8 (Eng. Abstr.) (Cze)
[Consensus meeting diagnosis of solitary thyroid nodule] Ned Tijdschr Geneeskd 1985 Dec 14;129(50):2422-3 (Dut)
[Is ultrasonic diagnosis indispensable in thyroid pathology, in '85? Apropos of 201 cases] Giron J, et al. Ann Radiol (Paris) 1986;29(1):44-55 (Eng. Abstr.) (Fre)
[Diagnostic strategy for a thyroid nodule] Tourniaire J, et

al. Presse Med 1985 Dec 7;14(42):2139–43 (Eng. Abstr.) (Fre)

[Update of thyroid pathology] Vanhaeverbeek M. Rev Med Brux 1986 Jun;7(6):361–2 (Eng. Abstr.) (Fre)

[The place of the TRH (thyrotropin–releasing hormone) test in the evaluation of incomplete disorders of thyroid function: apropos of 34 cases] Chaieb L, et al. Tunis Med 1985 Jun–Jul;63(6–7):369–72 (Eng. Abstr.) (Fre)

[Thyroid gland diagnosis by image–producing procedures. 3. Radiological procedures and NMR tomography] Rummeny E, et al. Fortschr Med 1986 May 8; 104(18):367–71 (Eng. Abstr.) (Ger)

[Current in vivo and in vitro diagnosis of thyroid diseases] Pfannenstiel P. Radiologe 1985 Sep;25(9):402–8 (Eng. Abstr.) (Ger)

[Thyroid antibodies and their diagnostic value] Schneidinger P, et al. Schweiz Med Wochenschr 1985 Nov 2; 115(44):1536–44 (Eng. Abstr.) (Ger)

[Thyroid diseases] Köbberling J. Verh Dtsch Ges Inn Med 1985;91:25–31 (Ger)

[Evaluation of thyroid nodules] Liel Y, et al. Harefuah 1986 Mar 2;110(5):255–7 (Heb)

[Discriminative and prognostic validity of various findings in the diagnosis of cold nodules] di Filippo B, et al. Minerva Chir 1985 Jul 15–31;40(13–14):959–66 (Eng. Abstr.) (Ita)

[Diagnosis of thyroid nodules] Damiani A, et al. Minerva Med 1986 Jan 28;77(3–4):79–85 (Eng. Abstr.) (Ita)

[Cytologic aspiration biopsy in the diagnosis and therapy of solitary cystic nodular thyropathies] Sturniolo G, et al. Minerva Med 1986 May 7;77(19):801–3 (Eng. Abstr.) (Ita)

[Ultrasonic examination of the thyroid] Nowak M, et al. Pol Przegl Radiol (Warszawa) 1985 Jul–Aug;49(4):289–94 (Pol)

[Errors in the diagnosis and treatment of thyroid diseases] Zukowska–Kowalska K, et al. Pol Tyg Lek 1986 Feb 3; 41(5):157–8 (Pol)

[Thyroid echography in various thyroid diseases] Ozerova OE, et al. Klin Med (Mosk) 1986 Feb;64(2):133–7 (Eng. Abstr.) (Rus)

[Complex radioisotope diagnosis of thyroid gland diseases in vivo and in vitro] Vlakhov N, et al. Med Radiol (Mosk) 1986 Jun;31(6):76–9 (Eng. Abstr.) (Rus)

[Ultrasound study in the diagnosis of thyroid gland pathology] Petrov VP, et al. Probl Endokrinol (Mosk) 1985 May–Jun;31(3):12–5 (Eng. Abstr.) (Rus)

[Tuberculosis of the thyroid gland] Kalinin AP, et al. Probl Tuberk 1985;(11):61–5 (36 ref.) (Rus)

[Significance of radioimmunologic methods in the diagnosis and evaluation of the effectiveness of the therapy in diseases of the thyroid gland] Matveenko EG, et al. Sov Med 1985; (7):108–12 (Rus)

[Complex roentgenologic and ultrasonic examination of the thyroid gland] Popandopulo SI, et al. Vestn Rentgenol Radiol 1985 Sep–Oct;(5):66–71 (Eng. Abstr.) (Rus)

[Diagnosis and treatment of thyroid diseases] Cherenko MP. Vrach Delo 1985 Aug;(8):96–101 (Rus)

DRUG THERAPY

Tetracycline instillation for recurrent cystic thyroid nodules. DeYoung JP, et al. Can J Surg 1986 Mar;29(2):118–9

[Unusual indications for beta–blockers] Hugues FC, et al. Therapie 1985 Nov–Dec;40(6):417–21 (Eng. Abstr.) (Fre)

ECONOMICS

Thyroid function tests. Selective use for cost containment. Schultz AL. Postgrad Med 1986 Aug;80(2):219–20, 225–8

ENZYMOLOGY

An improved assay method for thyroid peroxidase applicable for a few milligrams of abnormal human thyroid tissues. Hosoya T, et al. J Biochem (Tokyo) 1985 Sep;98(3):637–47

ETIOLOGY

Serological evidence for the role of bacterial infections in the pathogenesis of thyroid diseases. Valtonen VV, et al. Acta Med Scand 1986;219(1):105–11

Thyroid dysfunction in Down's syndrome. Loudon MM, et al. Arch Dis Child 1985 Dec;60(12):1149–51

Postpartum thyroid dysfunction. Goldman JM. Arch Intern Med 1986 Jul;146(7):1296–9

Thyroid disease in patients with benign and malignant mastopathy. Adamopoulos DA, et al. Cancer 1986 Jan 1; 57(1):125–8

Benign and malignant thyroid nodules after neck irradiation. Fjälling M, et al. Cancer 1986 Sep 15;58(6):1219–24

An assessment of the risk of developing hyperparathyroidism and thyroid disorders subsequent to neck irradiation in middle–aged women. Hedman I, et al. J Surg Oncol 1985 Jun;29(2):78–81

[Postpartum autoimmune thyroid syndromes] Tanizawa O, et al. Nippon Sanka Fujinka Gakkai Zasshi 1986 May; 38(5):791–6 (Jpn)

FAMILIAL & GENETIC

Genetic interrelationship between insulin–dependent diabetes mellitus, the autoimmune thyroid diseases, and rheumatoid arthritis. Torfs CP, et al. Am J Hum Genet 1986 Feb; 38(2):170–87

The genetic epidemiology of type I diabetes mellitus and autoimmune thyroid disease. Molecular interactions at the population level. Bear JC. Mol Biol Med 1986 Apr; 3(2):181–94 (75 ref.)

Androblastomas and thyroid disease in postmenopausal sisters. Whitcomb RW, et al. Obstet Gynecol 1986 Mar;67(3 Suppl):89S–91S

Genetic thyroid diseases. Koutras DA. Prog Clin Biol Res 1985;200:185–206

IMMUNOLOGY

The aging thyroid. Relationship between elevated serum thyrotropin level and thyroid antibodies in elderly patients. Sawin CT, et al. Am J Med 1985 Nov;79(5):591–5

Autoimmune thyroid disease. Bottazzo GF, et al. Annu Rev Med 1986;37:353–9 (36 ref.)

The influence of lithium chloride on experimental autoimmune thyroid disease. Hassman RA, et al. Clin Exp Immunol 1985 Jul;61(1):49–57

Antithyroglobulin monoclonal and autoantibodies cross–react with an orbital connective tissue membrane antigen: a possible mechanism for the association of ophthalmopathy with autoimmune thyroid disorders. Kuroki T, et al. Clin Exp Immunol 1985 Nov;62(2):361–70

Antigen specific immune response potential and HLA typing of Israeli patients with thyroid autoimmune diseases (TAD). Shalev Y, et al. Clin Exp Immunol 1986 May; 64(2):255–60

A high prevalence of thyroglobulin autoantibodies in adults with and without thyroid disease as measured with a sensitive solid–phase immunosorbent radioassay. Ericsson UB, et al. Clin Immunol Immunopathol 1985 Nov; 37(2):154–62

Purification of the human thyroid peroxidase and its identification as the microsomal antigen involved in autoimmune thyroid diseases. Czarnocka B, et al. FEBS Lett 1985 Oct 7;190(1):147–52

Cell–mediated immunity in autoimmune thyroid disease. Burek CL, et al. Hum Pathol 1986 Mar;17(3):246–53 (85 ref.)

Activated (Ia+) T–lymphocytes and their subsets in autoimmune thyroid diseases: analysis by dual laser flow microfluorocytometry. Chan JY, et al. J Clin Endocrinol Metab 1986 Feb;62(2):403–9

Thyrocyte HLA–DR expression and interferon–gamma production in autoimmune thyroid disease. Iwatani Y, et al. J Clin Endocrinol Metab 1986 Sep;63(3):695–708

Detection of autoantibodies to thyroid peroxidase in autoimmune thyroid diseases by micro–ELISA and immunoblotting. Kotani T, et al. J Clin Endocrinol Metab 1986 May;62(5):928–33

Anti–thyroid peroxidase antibody in patients with autoimmune thyroid disease: possible identity with anti–microsomal antibody. Portmann L, et al. J Clin Endocrinol Metab 1985 Nov;61(5):1001–3

Interaction of highly purified thyroid peroxidase with anti–microsomal antibodies in autoimmune thyroid diseases. Czarnocka B, et al. J Endocrinol Invest 1986 Apr;9(2):135–8

Incidence and specificities of labeled thyrotropic hormone (TSH) binding immunoglobulins (LTB–Igs) in patients with Graves' disease and other thyroid disorders. Akamizu T, et al. Jpn J Med 1986 Feb;25(1):13–9

Immunologic factors in thyroid disease. Wall JR, et al. Med Clin North Am 1985 Sep;69(5):913–36

Thyroid autoimmune disease. Mt Sinai J Med (NY) 1986 Jan;53(1):1–69

The major histocompatibility complex and autoimmune thyroid disease. Farid NR, et al. Mt Sinai J Med (NY) 1986 Jan;53(1):6–18

Family studies in autoimmune thyroid disease. Roman SH. Mt Sinai J Med (NY) 1986 Jan;53(1):31–4

Genetic predisposition to thyroid autoimmune disease: introduction. Rose NR, et al. Mt Sinai J Med (NY) 1986 Jan;53(1):3–5

[Thyropathies and Gm markers of heavy–chain serum immunoglobulins] Felt V, et al. Vnitr Lek 1985 Oct; 31(10):974–9 (Eng. Abstr.) (Cze)

[Value of the detection of antithyroid antibodies in thyroid pathology] Guillausseau C, et al. Pathol Biol (Paris) 1985 Jun;33(6):653–8 (Eng. Abstr.) (Fre)

[Thyrotropin–displacing antibodies in thyroid gland diseases] Grossmann E, et al. Dtsch Med Wochenschr 1986 Sep 12; 111(37):1389–94 (Eng. Abstr.) (Ger)

[Diabetes mellitus type I, thyroid gland autoimmunity, thyroid gland function and HLA status] Kehr S, et al. Monatsschr Kinderheilkd 1985 Oct;133(10):738–42 (Eng. Abstr.) (Ger)

[Changes of peripheral mononuclear cell subpopulations in autoimmune thyroid diseases] Tanaka T. Nippon Naibunpi Gakkai Zasshi 1985 Jul 20;61(7):711–23 (Eng. Abstr.) (Jpn)

[Interleukin 2 production in patients with thyroid diseases] Malaitsev VV, et al. Biull Eksp Biol Med 1986 May; 101(5):594–6 (Eng. Abstr.) (Rus)

[Autoimmune thyroid diseases (letter)] Frajman M. Rev Invest Clin 1985 Jul–Sep;37(3):287–8 (Spa)

METABOLISM

Immunohistochemical localization of thyroglobulin (Tg), thyroxine (T4), and triiodothyronine (T3) in thyroid diseases. Stefăneanu L, et al. Acta Histochem (Jena) 1986; 78(1):7–18

Hyperfunctioning thyroid nodules in children and adolescents. de Luca F, et al. Acta Paediatr Scand 1986 Jan;75(1):118–23

Thyroid disorders and steroid receptor proteins. Schaefer CJ, et al. Am Surg 1986 Sep;52(9):514–8

Short– and long–term evaluation of normal and abnormal human thyroid cells in monolayer culture. Davies TF, et al. Clin Endocrinol (Oxf) 1985 Nov;23(5):469–79

Increased ferritin levels in the fluid of thyroid cyst. Ishida M, et al. Endocrinol Jpn 1985 Apr;32(2):249–57

Reactivity of cold thyroid nodule under hormonal influences: study on cell cultures. Ghinea E, et al. Endocrinologie 1985 Jul–Sep;23(3):155–67

Immunohistochemistry of thyroid hormones as a functional parameter in thyroid pathology. Taşcă C, et al. Morphol Embryol (Bucur) 1985 Oct–Dec;31(4):261–8

OCCURRENCE

Incidence of thyroid dysfunction in an unselected postpartum population. Freeman R, et al. Arch Intern Med 1986 Jul; 146(7):1361–4

Thyrotropin enzyme–immunoassay in dried blood spots: a spectrophotometric method for neonatal thyroid screening. Torresani T, et al. J Clin Chem Clin Biochem 1986 Mar; 24(3):199–203

Thyroid disease in Trinidad. Raju GC, et al. J R Coll Surg Edinb 1985 Oct;30(5):303–4

Thyroid disorders in Singapore children and adolescents. Tan SH. J Singapore Paediatr Soc 1986;28 Suppl 1:1–50

[Autoimmune processes in the pathogenesis of juvenile thyroid enlargement] Kasatkina EP, et al. Probl Endokrinol (Mosk) 1986 Mar–Apr;32(2):9–12 (Eng. Abstr.) (Rus)

PATHOLOGY

Fine needle aspiration cytologic study of the solitary thyroid nodule. Profile of 308 cases with histologic correlation. Jayaram G. Acta Cytol (Baltimore) 1985 Nov–Dec; 29(6):967–73

Cytopathology of follicular lesions of the thyroid gland. Kini SR, et al. Diagn Cytopathol 1985 Apr–Jun;1(2):123–32

Pathology of thyroid disorders. Gubbay N. Ear Nose Throat J 1985 Jul;64(7):337–50

Immunohistochemical demonstration of myoglobin (Mb) in pathological thyroid tissue. Correlation with thyroglobulin (Tg), thyroxine (T4) and triiodothyronine (T3) distribution. Stefăneanu L, et al. Endocrinologie 1986 Jan–Mar; 24(1):33–7

Structural pathology of the thyroid gland (analysis of 2408 cases in Bulgaria). Raychev R, et al. Folia Med (Plovdiv) 1985;27(3):56–61

Oxyphil cells in thyroid disease: a uniform change? Kendall CH, et al. J Clin Pathol 1986 Aug;39(8):908–12

Histometry of thyroids containing few and multiple nodules. Al–Moussa M, et al. J Clin Pathol 1986 May;39(5):483–8

Fine–needle aspiration biopsy of the thyroid. Superior diagnostic tool. Friedman NM. Postgrad Med 1985 Nov 1;78(6):55–7, 60–2

Incidence of cancer in surgically treated thyroid nodules based on method of selection. Lo Gerfo P, et al. Surgery 1985 Dec;98(6):1197–201

The incidence of thyroid carcinoma in patients with Hashimoto's thyroiditis and solitary cold nodules. Ott RA, et al. Surgery 1985 Dec;98(6):1202–6

Management implications from routine needle biopsy of hyperfunctioning thyroid nodules. Walfish PG, et al. Surgery 1985 Dec;98(6):1179–88

Hürthle–cell lesions of the thyroid: a combined study using transmission electron microscopy, scanning electron microscopy, and immunocytochemistry. Nesland JM, et al. Ultrastruct Pathol 1985;8(4):269–90

[Thyroid gland diagnosis with image–producing procedures. 1: Ultrasound] Rummeny E, et al. Fortschr Med 1985 Dec 5;103(45):1035–40 (Eng. Abstr.) (Ger)

[Sonography of the thyroid gland] Pfannenstiel P, et al. Lebensversicherungsmedizin 1985 Nov 1;37(6):156–60 (Eng. Abstr.) (Ger)

[Sonographic studies in the differential diagnosis of thyroid diseases] Wünsche A, et al. Z Gesamte Inn Med 1986 Jan 1;41(1):10–2 (Eng. Abstr.) (Ger)

[Roentgen computer tomography and sonography in thyroid gland diagnosis] Pfannenstiel P, et al. Zentralbl Chir 1985; 110(18):1105–14 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

Relationship between thyroid function and platelet counts. Endo Y. Acta Haematol (Basel) 1985;74(1):58–9

Computer simulation for hormones related to primary thyropathy. Hatakeyama T, et al. Biol Cybern 1985; 52(4):259–66

The influence of thyroid disorders on the dopaminergic regulation of prolactin, thyrotropin and growth hormone. Eskildsen PC, et al. J Endocrinol Invest 1985 Oct; 8(5):427–31

The function of the pituitary–thyroidal axis in patients with

hypothalamic–pituitary, thyroidal and extrathyroidal disorders. Criscuolo T, et al. **Minerva Endocrinol** 1985 Apr–Jun;10(2):83–92

[Study of hypothalamo–hypophyseal relations in pathology] Lamberg BA. **Lab Delo** 1985;(9):515–9 (40 ref.) **(Rus)**

[Action of the body fluorine of healthy persons and thyroidopathy patients on the function of hypophyseal–thyroid the system] Bachinskiĭ PP, et al. **Probl Endokrinol (Mosk)** 1985 Nov–Dec;31(6):25–9 (Eng. Abstr.) **(Rus)**

[Function of the hypothalamo–hypophyseal–thyroid system in juvenile enlargement of the thyroid] Kasatkina EP, et al. **Probl Endokrinol (Mosk)** 1985 Nov–Dec;31(6):10–2 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Thyroid protection after a nuclear reactor accident [letter] Volf V. **Lancet** 1986 Aug 2;2(8501):284

RADIOGRAPHY

Computed tomography of the thyroid gland. Vette JK. **Acta Endocrinol [Suppl] (Copenh)** 1985;268:1–82

Routes of infection of acute suppurative thyroiditis diagnosed by barium examination. Ueda J, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Mar–Apr;27(2):209–11

Extensive calcification of the thyroid gland [letter] Peter SA. **NY State J Med** 1986 Jan;86(1):31

RADIONUCLIDE IMAGING

Technetium pertechnetate imaging in apparent solitary thyroid nodule. Sukthomya V. **Australas Radiol** 1985 Aug; 29(3):223–5

"Fish–eye sign" in scintigraphy of benign thyroid nodule. Vaqueiro M, et al. **Clin Nucl Med** 1985 Nov;10(11):817–8

Improved quality and information in thyroid scintigraphy. Bähre M, et al. **Eur J Nucl Med** 1985;11(6–7):194–7

Metastatic calcification in the thyroid gland demonstrated on bone scan in a patient with primary hyperparathyroidism. Amico S, et al. **J Nucl Med** 1986 Mar;27(3):373–6

Solitary thyroid nodules [letter] Reschini E, et al. **Lancet** 1985 Nov 30;2(8466):1237

[Scintigraphy of the thyroid gland with technetium 99m pertechnetate] Pedersen DM, et al. **Ugeskr Laeger** 1986 Jan 13;148(3):131–2 (Eng. Abstr.) **(Dan)**

[Thyroid diagnosis with image producing procedures. 2: Technic and results of modern thyroid scintigraphy] Rummeny E, et al. **Fortschr Med** 1986 Jan 23;104(4):83–5 (Eng. Abstr.) **(Ger)**

[Scintigraphy of the thyroid gland] Grebe SF, et al. **Lebensversicherungsmedizin** 1985 Nov 1;37(6):162–7 (Eng. Abstr.) **(Ger)**

[Role of the scintigram in the diagnosis of thyroid diseases] Kinoshita H. **Rinsho Hoshasen** 1986 Apr;31(4):469–72 (Eng. Abstr.) **(Jpn)**

[Scintigraphically detected "cold" nodules in patients of the Thyroid Disease Clinic in Gdańsk—a clinical and histomorphological analysis] Mizan K, et al. **Endokrynol Pol** 1985;36(2):97–103 (Eng. Abstr.) **(Pol)**

[Evaluation of exposure of the population to ionizing radiation during diagnostic radioisotope examination of the thyroid gland after in vivo administration of NaI(I–131)] Staniszewska MA, et al. **Pol Przegl Radiol (Warszawa)** 1984 Nov–Dec;48(6):413–7 (Eng. Abstr.) **(Pol)**

RADIOTHERAPY

Radioiodine treatment of solitary functioning thyroid nodules. Ratcliffe GE, et al. **Br J Radiol** 1986 Apr; 59(700):385–7

SURGERY

The surgical treatment of thyroid disease in a district general hospital. Dawson PM. **Br J Clin Pract** 1985 Jun;39(6):220–4

Drainage in uncomplicated thyroid and parathyroid surgery. Kristoffersen A, et al. **Br J Surg** 1986 Feb;73(2):121–2

Surgery for thyroid disease. Weber CA, et al. **Med Clin North Am** 1985 Sep;69(5):1097–1115

Thyroid function after hemithyroidectomy for benign nodules. Cheung P, et al. **World J Surg** 1986 Aug; 10(4):718–23

[Surgery of the thyroid gland in children and adolescents] Nahodil V. **Rozhl Chir** 1985 Jul;64(7):504–10 (Eng. Abstr.) **(Cze)**

[Diagnosis of thyroid function following thyroid surgery] Horster FA, et al. **Dtsch Med Wochenschr** 1986 Apr 25; 111(17):672–3 **(Ger)**

[Treatment of a functional disorder following thyroid surgery] Röher HD, et al. **Dtsch Med Wochenschr** 1986 Apr 25;111(17):674–6 **(Ger)**

[Intra– and postoperative complications in surgery of the thyroid gland] Palestini N, et al. **Chir Ital** 1985 Aug; 37(4):367–77 (Eng. Abstr.) **(Ita)**

[Survey of thyroid surgery including observations from Japan and abroad] Fujimoto Y. **Nippon Geka Gakkai Zasshi** 1986 Mar;87(3):247–53 (38 ref.) **(Jpn)**

[Identification of lymphocytic thyroiditis in patients operated on for various thyropathies] Pencea V, et al. **Rev Med Chir Soc Med Nat Iasi** 1984 Jul–Sep;88(3):441–6 (Eng. Abstr.) **(Rum)**

[Reflections based on a questionnaire sent to Swedish surgery departments: therapy and routine check–ups after thyroid surgery] Christensen SB, et al. **Lakartidningen** 1985 Aug 21;82(34):2782–3 **(Swe)**

THERAPY

Minor complication of thyroid cyst sclerosis with tetracycline [letter] Ryan WG, et al. **Arch Intern Med** 1986 Jan; 146(1):201–2

Thyroid disease in pregnancy. Mestman JH. **Clin Perinatol** 1985 Oct;12(3):651–67 (60 ref.)

Pregnancy and surgical thyroid disease. Rosen IB, et al. **Surgery** 1985 Dec;98(6):1135–40

[Preliminary results of conservative treatment of thyroid cysts by the method of puncture aspiration] Szot W, et al. **Folia Med Cracov** 1984;25(3–4):329–37 (Eng. Abstr.) **(Pol)**

URINE

[Assay of urinary iodides by specific electrodes: its value in dysthyroidism] Mura P, et al. **Ann Biol Clin (Paris)** 1986; 44(2):123–6 (Eng. Abstr.) **(Fre)**

VETERINARY

A quantitative assessment of thyroid histopathology of herring gulls (Larus argentatus) from the Great Lakes and a hypothesis on the causal role of environmental contaminants. Moccia RD, et al. **J Wildl Dis** 1986 Jan; 22(1):60–70

THYROID FUNCTION TESTS

Basal TSH determination instead of TRH test. Lukinac L, et al. **Acta Med Iugosl** 1986;40(2):115–20

Serum thyroid–stimulating hormone in cerebrovascular disease. Hägg E, et al. **Acta Med Scand** 1986;219(1):53–8

Thyroid function. Dorevitch A, et al. **Aust Fam Physician** 1986 Jan;15(1):78, 80

Laboratory decision science applied to chemometrics: strategic testing of thyroid function. Beck JR. **Clin Chem** 1986 Sep;32(9):1707–13

Intra– and interindividual biological variation of five analytes used in assessing thyroid function: implications for necessary standards of performance and the interpretation of results. Browning MC, et al. **Clin Chem** 1986 Jun; 32(6):962–6

Lack of effect of isotretinoin on thyroid–function tests [letter] O'Leary TJ, et al. **Clin Chem** 1986 May;32(5):913–4

Diagnostic performance of a commercial assay for thyrotropin, when used as the initial test of thyroid function [letter] White GH, et al. **Clin Chem** 1985 Nov;31(11):1914–6

Limitations of new thyroid function tests in pregnancy. Gow SM, et al. **Clin Chim Acta** 1985 Nov 15;152(3):325–33

Interpreting thyroid tests in the elderly: updated guidelines. Rock RC. **Geriatrics** 1985 Dec;40(12):61–8

The appropriate use of diagnostic services: (III). Thyroid disease and the laboratory. Himsworth RL. **Health Bull (Edinb)** 1985 Sep;43(5):217–20

Thyroxd screening in newborns. Kalra A, et al. **Indian Pediatr** 1985 Feb;22(2):131–6

Goiter size and thyroid function in an endemic goiter area in northern Italy. Roti E, et al. **J Clin Endocrinol Metab** 1986 Sep;63(3):558–63

Measurement of thyroxine uptake from serum by cultured human hepatocytes as an index of thyroid status: reduced thyroxine uptake from serum of patients with nonthyroidal illness. Sarne DH, et al. **J Clin Endocrinol Metab** 1985 Dec; 61(6):1046–52

Evaluation of strategy for testing thyroid function applied to hypothyroidism. Corns CM, et al. **J Clin Pathol** 1986 Mar;39(3):293–6

The prognostic value of thyroid function tests in predominantly non–alcoholic cirrhotic patients: a prospective investigation. D'Azzò G, et al. **J Endocrinol Invest** 1985 Aug;8(4):331–6

Fatty acid induced changes in circulating total and free thyroid hormones: in vivo effects and methodological artefacts. Vermaak WJ, et al. **J Endocrinol Invest** 1986 Apr; 9(2):121–6

Reevaluation of patients on thyroxine therapy. Rizzolo PJ, et al. **J Fam Pract** 1986 Mar;22(3):241–4

Experience with routine thyroid function testing: abnormal results in "normal" populations.Banovac K, et al. **J Fla Med Assoc** 1985 Oct;72(10):835–9

Thyroid function after surgery for autonomous and non–autonomous nodular endemic goitre—effect of iodide–substitution. Wahl RA, et al. **Klin Wochenschr** 1985 Sep 2;63(17):812–20

Quantitative evaluation of selected clinical tests used for differentiation of functional disorders of thyroid gland. Doroszewski J, et al. **Mater Med Pol** 1983 Jan–Jun; 15(1–2):31–4

Triiodothyronine therapy: an iatrogenic bait. Gonzalez JJ. **NC Med J** 1985 Nov;46(11):568–9

Abnormalities of thyroid function tests in hospital inpatients. Sheppard MC, et al. **Postgrad Med J** 1985 Nov; 61(721):983–7

[The TRH stimulation test in children] Skvor J. **Cesk Pediatr** 1986 Jun;41(6):354 **(Cze)**

[Recognize your classics; primary hypothyroidism] Spreeuwenberg C. **Ned Tijdschr Geneeskd** 1985 Dec 21; 129(51):2473 **(Dut)**

[Thyrotoxicosis in the very old, a changed disease picture] de Fockert JA. **Tijdschr Gerontol Geriatr** 1986 Feb; 17(1):9–15 (Eng. Abstr.) **(Dut)**

[Interpretation of thyroid tests in patients with systemic illnesses] Mirkine–Demeester N. **Rev Med Brux** 1986 Jun; 7(6):371–7 (Eng. Abstr.) **(Fre)**

[Diagnosis of thyroid function following thyroid surgery] Horster FA, et al. **Dtsch Med Wochenschr** 1986 Apr 25; 111(17):672–3 **(Ger)**

[Indications for conservative and operative therapy of thyroid autonomy and Basedow hyperthyroidism from the internal medicine viewpoint] Pickardt CR. **Langenbecks Arch Chir** 1985;366:45–9 (Eng. Abstr.) **(Ger)**

[Diabetes mellitus type I, thyroid gland autoimmunity, thyroid gland function and HLA status] Kehr S, et al. **Monatsschr Kinderheilkd** 1985 Oct;133(10):738–42 (Eng. Abstr.) **(Ger)**

[Immediate effect of x–ray contrast media on thyroid hormone parameters] Beyer HK, et al. **Nuklearmedizin** 1985 Jun;24(3):122–6 (Eng. Abstr.) **(Ger)**

[Recent progress in thyroid function tests—TBII, free T3, thyroglobulin and calcitonin] Hashimoto T, et al. **Rinsho Byori** 1985 May;33(5):480–99 (124 ref.) **(Jpn)**

ECONOMICS

Thyroid function tests. Selective use for cost containment. Schultz AL. **Postgrad Med** 1986 Aug;80(2):219–20, 225–8

METHODS

Circulating thyrotrophin as an index of thyroid function. Woodhead JS, et al. **Ann Clin Biochem** 1985 Sep;22 (Pt 5):455–9 (14 ref.)

Immunoradiometric assay of thyrotropin as a "first–line" thyroid–function test in the routine laboratory. Hopton MR, et al. **Clin Chem** 1986 Apr;32(4):691–3

Immunoradiometric assay of thyrotropin in plasma: its value in predicting response to thyroliberin stimulation and assessing thyroid function in amiodarone–treated patients. Wiersinga WM, et al. **Clin Chem** 1986 Mar;32(3):433–6

An improved approach to thyroid function testing in patients with non–thyroidal illness. Gow SM, et al. **Clin Chim Acta** 1986 Jul 15;158(1):49–58

Diagnosis of hyperthyroidism: the newer biochemical tests. Seth J, et al. **Clin Endocrinol Metab** 1985 May;14(2):373–96

Human serum thyrotrophin measurement by ultrasensitive immunoradiometric assay as a first–line test in the evaluation of thyroid function. Martino E, et al. **Clin Endocrinol (Oxf)** 1986 Feb;24(2):141–8

Thyroid function in fullterm and preterm newborns. Desai M, et al. **Indian J Pediatr** 1985 Nov–Dec;52(419):599–607

Basal oxygen uptake: a new technique for an old test. Lim VS, et al. **J Clin Endocrinol Metab** 1986 May;62(5):863–8

The evaluation of free thyroid hormones (FT4 and FT3) in the routine diagnosis of thyroid function. Passath A, et al. **Nuklearmedizin** 1985 Jun;24(3):115–21

Thyroid function tests in acutely ill patients. Comparison of analogue based free thyroid hormone assays with free thyroxine index. Cooke RR, et al. **Pathology** 1986 Jan; 18(1):94–7

Comparison of various thyroid function tests. Huang HS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Nov;84(11):1251–9

[Evaluation of thyroid function (letter)] Arlet P. **Rev Med Interne** 1986 Jan;7(1):92 **(Fre)**

[Should the assay of serum free thyroxine and triiodothyronine replace the other methods of evaluating thyroid function?] Corbineau P, et al. **Rev Med Interne** 1985 Oct;6(4):390–5 (Eng. Abstr.) **(Fre)**

[The suppression test in the control of the course of antithyroid drug therapy: renaissance of an in vivo nuclear medicine procedure?] Reiners C, et al. **Nuklearmedizin** 1985 Jun;24(3):135–40 (Eng. Abstr.) **(Ger)**

[Modification of the diagnosis of thyroid gland function by iodine–containing roentgen contrast media] Herrmann F, et al. **Z Gesamte Inn Med** 1986 Apr 15;41(8):226–9 (Eng. Abstr.) **(Ger)**

[Possibility of using the indices of blood iodine ion concentration in the laboratory diagnosis of the functional state of the thyroid gland] Kienia AI, et al. **Lab Delo** 1985; (9):534–6 **(Rus)**

STANDARDS

New indices for thyroid functional status, hormone binding, and peripheral hormone metabolism. Principal component analysis of 24,000 clinical data. Ichihara K, et al. **Am J Clin Pathol** 1986 Apr;85(4):469–78

[Limits of rationalization of thyroid function tests (letter)] Szabó J. **Orv Hetil** 1985 Nov 3;126(44):2751–2 **(Hun)**

VETERINARY

Thyrotropin stimulation test—new perspective on value of monitoring triiodothyronine. Oliver JW, et al. **J Am Vet Med Assoc** 1985 Nov 1;187(9):931–4

THYROID GLAND

see related
STRUMA OVARII
ULTIMOBRANCHIAL BODY

Aberrant thyroid gland attached to ascending aorta. Taylor

MA, et al. **Am J Cardiol** 1986 Mar 1;57(8):708
Lingual thyroid. Jones JA. **Br J Oral Maxillofac Surg** 1986 Feb;24(1):58–62
Severe thyrotoxicosis caused by an ectopic intrathoracic goiter. Fogelfeld L, et al. **Clin Nucl Med** 1986 Jan; 11(1):20–2
Thyroid ectopia in a congenital hypothyroid infant. Krinsky S. **Clin Nucl Med** 1986 Aug;11(8):602
Liquid crystal thermography of the thyroid. Göblyös P, et al. **Eur J Radiol** 1985 Nov;5(4):291–4
Lingual thyroid. A clinical and postmortem study. van der Wal N, et al. **Int J Oral Maxillofac Surg** 1986 Aug; 15(4):431–6
Aortic body tumour with adjacent ectopic thyroid tissue in a dog. Evans MG, et al. **J Comp Pathol** 1986 Mar; 96(2):237–40
Ectopic thyroid tissue in the head and neck. Okstad S, et al. **J Otolaryngol** 1986 Feb;15(1):52–5
Posterior mediastinal thyroid: the role of CT scanning. Spence RA, et al. **J R Coll Surg Edinb** 1985 Aug; 30(4):224–6
[Ectopic thyroid in the right ventricle] Peycelon B, et al. **Ann Chir** 1986 Mar;40(2):85–7 (Eng. Abstr.) **(Fre)**
[Abstracts of the 2d symposium on Current Problems in Pediatric Endocrinology. Reinhardsbrunn, 9–12 April 1984] **Exp Clin Endocrinol** 1985 Aug;86(1):93–128 **(Ger)**
[A rare site of an ectopic thyroid gland] Kal'ter IS, et al. **Khirurgiia (Mosk)** 1985 Dec;(12):120 **(Rus)**
[Aberrant goiter of the root of the tongue] Sysoliatin PG, et al. **Vestn Otorinolaringol** 1986 Jan–Feb;(1):71–2 **(Rus)**
[Lingual thyroid] Dvorski I. **Lijec Vjesn** 1986 Feb–Mar; 108(2–3):72–4 (Eng. Abstr.) **(Ser)**

ABNORMALITIES

A patient with dup(10p)del(8q) and Pendred syndrome. van Wouwe JP, et al. **Am J Med Genet** 1986 Jun;24(2):211–7
Thyroidal hemiagenesis. Piera J, et al. **Am J Surg** 1986 Mar; 151(3):419–21
Congenital anomalies associated with hypothyroidism. Bamforth JS, et al. **Arch Dis Child** 1986 Jun;61(6):608–9
Spontaneous autoimmune thyroiditis in obese strain chickens: a genetic analysis of target organ abnormalities. Neu N, et al. **Clin Immunol Immunopathol** 1985 Dec;37(3):397–405
Hemiagenesis of the thyroid gland in the quail (Coturnix coturnix japonica). Wight PA. **J Comp Pathol** 1986 Mar; 96(2):235–6
Comparison of ultrasonic scanning and scintiscanning in the evaluation of thyroid hemiagenesis. De Remigis P, et al. **JCU** 1985 Oct;13(8):561–3
A case of lingual thyroid with hypothyroidism. Kandasami P, et al. **Med J Malaysia** 1985 Mar;40(1):52–3
[Ectopic thyroid glands in the tongue root] Umehara I, et al. **Rinsho Hoshasen** 1985 Jul;30(7):805–6 **(Jpn)**

ANALYSIS

Immunohistochemical localization of thyroglobulin (Tg), thyroxine (T4), and triiodothyronine (T3) in thyroid diseases. Steflneanu L, et al. **Acta Histochem (Jena)** 1986; 78(1):7–18
Thyroid stable iodine measurement in patients with hyperthyroidism. Kusić Z, et al. **Acta Med Iugosl** 1985; 39(5):345–55
Characterization of the guinea pig adipocyte thyrotropin receptor. Gennick SE, et al.
Biochem Biophys Res Commun 1986 Feb 26;135(1):208–14
Alterations of the cerebroside fraction of human thyroid glycosphingolipids in Graves' disease. Bouchon B, et al. **Biochem Int** 1985 Sep;11(3):415–24
Pig thyroid spectrin. A membrane-associated protein related in structure and function to brain spectrin. Regnouf F, et al. **Eur J Biochem** 1985 Dec 2;153(2):313–9
Properties of thyroglobulins from normal thyroid and thyroid tumor on a concanavalin A–sepharose column. Tarutani O, et al. **J Biochem (Tokyo)** 1985 Sep;98(3):851–7
Simultaneous observations of iodothyronine content in the thyroid gland, serum and thyroxine 5'- and 5-monodeiodinase activity in liver, during the neonatal period of the pig. Brzezińska-Slebodzińska E, et al.
J Dev Physiol 1986 Apr;8(2):79–86
Demonstration of significant epidermal growth factor activity in murine thyroid tissue. Dagogo-Jack S, et al. **J Endocrinol** 1986 Jul;110(1):67–72
Coated vesicles from the thyroid gland: isolation, characterization, and a search for a possible role in thyroglobulin transport. Pierce LR, et al.
J Endocrinol Invest 1985 Aug;8(4):303–12
Re: Thyroid iodine content measured by x-ray fluorescence in amiodarone-induced thyrotoxicosis [letter]
J Nucl Med 1984 Apr;25(4):536–8
Cyclic AMP-dependent phosphorylation of high molecular mass proteins in pig thyroid cells. Munari-Silem Y, et al. **Mol Cell Endocrinol** 1986 Mar;44(3):251–60
Iodine-131 in human thyroids in Britain following Chernobyl. Hill CR, et al. **Nature** 1986 Jun 12–18; 321(6071):655–6
A new sensitive and fast peptide immunoassay based on enzyme amplification used in the determination of CGRP and the demonstration of its presence in the thyroid. Self CH, et al. **Peptides** 1985 Jul–Aug;6(4):627–30
Radio-iodine in thyroid glands of swans, farm animals and humans, also in algae and river water from the Thames Valley, England. Howe JR, et al. **Sci Total Environ** 1986 Jan;48(1–2):13–31
[Elementary methods of analysis in biology: a new dimension in the characterization of the functional state of cells] Larras-Regard E. **Biochimie** 1985 Jun;67(6):IX–XIV **(Fre)**
[Comparative studies on immunological property of thyroglobulins obtained from the thyroid tumor and the adjacent tissue] Tarutani O, et al.
Nippon Naibunpi Gakkai Zasshi 1985 Oct 20;61(10):1176–81 (Eng. Abstr.) **(Jpn)**
[The concentration of 131I in the thyroid glands of domestic animals] Ito N, et al. **Radioisotopes** 1985 Aug;34(8):423–5 (Eng. Abstr.) **(Jpn)**
[Isolation of thyroglobulin from the bovine thyroid free of endogenous proteolytic activity] Alimbabaeva NT, et al. **Prikl Biokhim Mikrobiol** 1986 May–Jun;22(3):310–4 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Goitre epidemiology: thyroid volume, iodine excretion, thyroglobulin and thyrotropin in Germany and Sweden. Gutekunst R, et al. **Acta Endocrinol (Copenh)** 1986 Aug; 112(4):494–501
Evidence of cyclic alterations of thyroid size during the menstrual cycle in healthy women. Hegedüs L, et al.
Am J Obstet Gynecol 1986 Jul;155(1):142–5
Stereologic investigations on the effects of pinealectomy, melatonin and sex hormones on the rat thyroid gland. Malendowicz LK, et al. **Anat Anz** 1986;161(4):277–84
Anatomy and development of the thyroid gland. Hoyes AD, et al. **Ear Nose Throat J** 1985 Jul;64(7):318–33
The thyroid gland of the Hawaiian parrotfish and its use as an in vitro model system. Grau EG, et al.
Gen Comp Endocrinol 1986 Jan;61(1):100–8
Adult human thyroid weight. Pankow BG, et al.
Health Phys 1985 Dec;49(6):1097–103
Histometry of normal thyroid in man. Brown RA, et al.
J Clin Pathol 1986 May;39(5):475–82
Determination of the volume of the thyroid gland by a high resolutional ultrasonic scanner. Yokoyama N, et al.
J Nucl Med 1986 Sep;27(9):1475–9
A new microwave scanning system for imaging superficial organs. Falchi E, et al. **J Nucl Med Allied Sci** 1985 Jul–Sep; 29(3):275–82
Weight of the normal thyroid gland [letter] Byard RW.
J Otolaryngol 1986 Aug;15(4):257–8
Structure and activity of the thyroid gland in intra- and extrauterine larvae of the ovoviviparous Salamandra salamandra (L.) (Amphibia, Urodela). Schindelmeiser J.
Z Mikrosk Anat Forsch 1985;99(3):475–97
[An investigation of the form of thyroid glands] Li FZ, et al. **Sou Chuan I Hsueh Yuan Hsueh Pao** 1985 Dec; 16(4):314–7 (Eng. Abstr.) **(Chi)**
[Determination of thyroid volume using computerized ultrasonography and its clinical application] Miki K.
Nippon Naibunpi Gakkai Zasshi 1986 Feb 20;62(2):97–107 (Eng. Abstr.) **(Jpn)**
[Ultrasonic examination of the thyroid] Nowak M, et al.
Pol Przegl Radiol (Warszawa) 1985 Jul–Aug;49(4):289–94 **(Pol)**
[Various problems in the structural organization of the thyroid gland] Fedchenko NP.
Arkh Anat Gistol Embriol 1986 Jun;90(6):82–9 **(Rus)**
[Spatial organization of the follicles of the thyroid gland in newborn infants] Kachalka OV.
Arkh Anat Gistol Embriol 1986 May;90(5):63–8 (Eng. Abstr.) **(Rus)**
[Method of demonstrating follicles of the thyroid gland in marine fish] Zenzerov VS, et al.
Arkh Anat Gistol Embriol 1986 Jun;90(6):77–8 **(Rus)**

BLOOD SUPPLY

Three-dimensional aspects of blood vessels in thyroids from normal, low iodine diet-treated, TSH-treated, and PTU-treated rats. Imada M, et al. **Cell Tissue Res** 1986; 245(2):291–6
Effects of vasoactive intestinal peptide on thyroid blood flow and circulating thyroid hormone levels in the rat. Huffman L, et al. **Endocrinology** 1986 Feb;118(2):550–7
The course of recurrent laryngeal nerve and inferior thyroid artery in human fetuses. Kózka M, et al.
Folia Morphol (Warsz) 1985;44(1):42–7
Unusual presentation of inferior thyroid artery aneuryam. Mashiah A, et al. **J Cardiovasc Surg (Torino)** 1985 Nov–Dec;26(6):602–4
Arteriovenous fistula of the superior thyroid artery: post thyroid operation. Ghani SA, et al. **Med J Malaysia** 1984 Dec;39(4):314–6
[Various aspects of the microvascularization of the thyroid follicles in the rabbit] Esperança Pina JA, et al.
Bull Assoc Anat (Nancy) 1985 Jun;69(205):43–8 (Eng. Abstr.) **(Fre)**
[Arterial vascularization of the thyroid gland in the rabbit] Esperança Pina JA, et al. **Bull Assoc Anat (Nancy)** 1985 Jun;69(205):27–41 **(Fre)**
[Postoperative thyroidal arteriovenous fistula of late manifestation or disclosed 14 years after thyroidectomy] Economou C, et al. **J Chir (Paris)** 1986 Jan;123(1):25–6 (Eng. Abstr.) **(Fre)**

CYTOLOGY

Histological markers of solid cell nests of the thyroid. With some emphasis on their expression in thyroid ultimobranchial-related tumors. Harach HR.
Acta Anat (Basel) 1985;124(1–2):111–6
Effects of sodium on iodide transport in primary cultures of turtle thyroid cells. Chow SY, et al. **Am J Physiol** 1986 Apr;250(4 Pt 1):E464–9
Calcium-activated cation channel in rat thyroid follicular cells. Maruyama Y, et al. **Biochim Biophys Acta** 1985 Dec 5;821(2):229–32
Stimulation of cell proliferation and inhibition of differentiation expression by tumor-promoting phorbol esters in dog thyroid cells in primary culture. Roger PP, et al. **Cancer Res** 1986 Feb;46(2):898–906
Reparative growth in the rat thyroid: effect of TSH suppression. Stringer BM, et al. **Cell Tissue Kinet** 1986 Jan; 19(1):49–56
Thyroid follicles with acid mucins in man: a second kind of follicles? Harach HR. **Cell Tissue Res** 1985;242(1):211–5
Thyroid fine needle aspiration in pregnant women. Betsill W. **Diagn Cytopathol** 1985 Jan–Mar;1(1):53–4
Evidence that adenosine 3',5'-monophosphate mediates stimulation of thyroid growth in FRTL5 cells. Jin S, et al. **Endocrinology** 1986 Aug;119(2):802–10
Change of inverted thyroid follicle into a spheroid after embedding in a collagen gel. Garbi C, et al.
Exp Cell Res 1986 Mar;163(1):63–77
Sudden volume changes of the lumen of inverted thyroid follicles in suspension cultures. Use in estimation of rates of water flux through thyroid epithelium. Nitach L, et al.
Exp Cell Res 1986 Jan;162(1):278–83
Studies on the number of C cells in thyroid glands of guinea pigs susceptible and resistant to the experimental anaphylactic shock. Danowski J. **Folia Morphol (Warsz)** 1985;44(1):7–12
Growth and differentiation in cultured human thyroid cells: effects of epidermal growth factor and thyrotropin. Errick JE, et al. **In Vitro Cell Dev Biol** 1986 Jan;22(1):28–36
The growth and morphology of FRTL-5 thyroid epithelial cells grown as multicellular spheroids in vitro. Mulcahy RT, et al. **In Vitro Cell Dev Biol** 1985 Sep;21(9):513–20
Thyroid cell surface glycoproteins. Nature and disposition of carbohydrate units and evaluation of their blood group I activity. Edge AS, et al. **J Biol Chem** 1985 Dec 5; 260(28):15332–8
Calcitonin cell population and distribution in the thyroid gland of the rat. Monsour PA, et al. **J Morphol** 1985 Dec; 186(3):271–8
In vitro culture of human thyroid cells; methods and application to radiation biology. Miller RC, et al.
J Radiat Res (Tokyo) 1985 Sep;26(3):269–82
Control of growth in cultured rat thyroid cells. Dere WH, et al. **Mol Cell Endocrinol** 1986 Mar;44(3):195–9
Involvement of cyclic AMP, iodide and metabolites of arachidonic acid in the regulation of cell proliferation of isolated porcine thyroid follicles. Gärtner R, et al.
Mol Cell Endocrinol 1985 Sep;42(2):145–55
Graded response in the individual thyroid follicle cell to increasing doses of TSH. Nilsson M, et al.
Mol Cell Endocrinol 1986 Feb;44(2):165–9
A fourteen year practice with the fine needle aspiration biopsy of the thyroid in an endemic area. Schmid KW, et al. **Pathol Res Pract** 1986 Jun;181(3):308–10
Induction of the c-fos oncogene by thyrotropic hormone in rat thyroid cells in culture. Colletta G, et al. **Science** 1986 Jul 25;233(4762):458–60
[Thyroid and C-cell system function during prolonged rotation (morphobiochemical research)]
Plakhuta-Plakutina GI, et al. **Kosm Biol Aviakosm Med** 1985 Nov–Dec;19(6):54–7 (Eng. Abstr.) **(Rus)**
[Cytological analysis of a population of thyroid parafollicular cells] Pavlov AV. **Tsitologiia** 1985 Nov;27(11):1300–3 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effect of estrogen/progestin potency on clinical chemistry measures. The Lipid Research Clinics Program Prevalence Study. Walden CE, et al. **Am J Epidemiol** 1986 Mar; 123(3):517–31
Thyroid cell responses to thyrotropin and 12-O-tetradecanoyl-phorbol-13-acetate: translocation of protein kinase C and phosphorylation of thyroid cell polypeptide substrates. Tanabe A, et al.
Arch Biochem Biophys 1985 Nov 15;243(1):92–9
The effect of maneb, zineb, and ethylenethiourea on the humoral activity of the pituitary-thyroid axis in rat. Laisi A, et al. **Arch Toxicol [Suppl]** 1985;8:253–8
Tetradecanoyl phorbol-13-acetate counteracts the responsiveness of cultured thyroid cells to thyrotropin. Haye B, et al. **Biochem Pharmacol** 1985 Nov 1; 34(21):3795–802
Amiodarone and the thyroid. Gammage MD, et al.
Br J Clin Pract [Symp Suppl] 1986 Apr;44:67–73
Assessment of thyroid function: complications after treatment with fenoprofen [letter] Tillman J, et al.
Br Med J [Clin Res] 1986 Jul 19;293(6540):206
Impairment of thyroid activity in Sarotherodon mossambicus due to DDT treatment. Shukla L, et al.
Bull Environ Contam Toxicol 1986 Jan;36(1):132–9
Thyroid stimulation by (Fab)2 and Fab fragments of TSH

receptor antibody. Creagh FM, et al.
Clin Endocrinol (Oxf) 1985 Aug;23(2):175–83

A randomized cross–over comparison of two low–dose oral contraceptives upon hormonal and metabolic serum parameters: II. Effects upon thyroid function, gastrin, STH, and glucose tolerance. Kuhl H, et al. **Contraception** 1985 Jul;32(1):97–107

Effect of cyclophosphamide on thyroid gland in mice and guinea pig. Staykova M, et al. **Endocrinol Exp (Bratisl)** 1985 Dec;19(4):237–44

Forskolin stimulation of 3, 5, 3'–triiodothyronine release from perifused rat thyroids. Mashita K, et al. **Endocrinol Jpn** 1985 Jun;32(3):441–5

Thyrotropic activity of acidic isoelectric variants of human chorionic gonadotropin from trophoblastic tumors. Mann K, et al. **Endocrinology** 1986 Apr;118(4):1558–66

A new class of propylthiouracil analogs: comparison of 5'–deiodinase inhibition and antithyroid activity. Nogimori T, et al. **Endocrinology** 1986 Apr;118(4):1598–605

Inhibitory effect of iopanoic acid on the thyrotropin–stimulated release of cyclic adenosine 3',5'–monophosphate and of 3,5,3'–triiodothyronine from perifused rat thyroids. Tajima K, et al. **Endocrinology** 1985 Nov;117(5):1813–7

Changes in thyroid function tests induced by 2 month carbamazepine treatment in L–thyroxine–substituted hypothyroid children. De Luca F, et al. **Eur J Pediatr** 1986 Apr;145(1–2):77–9

Thyrotropin–induced formation of functional follicles in primary cultures of ovine thyroid cells. Mak WW, et al. **Exp Cell Res** 1986 Jun;164(2):311–22

Direct toxic effect of iodide in excess on iodine–deficient thyroid glands: epithelial necrosis and inflammation associated with lipofuscin accumulation. Mahmoud I, et al. **Exp Mol Pathol** 1986 Jun;44(3):259–71

Thyrotropin and cyclic AMP regulation of ras proto–oncogene expression in cultured thyroid cells. Dere WH, et al. **FEBS Lett** 1986 Feb 17;196(2):305–8

Thyrotropin and norepinephrine stimulate the metabolism of phosphoinositides in FRTL–5 thyroid cells. Philp NJ, et al. **FEBS Lett** 1986 Jul 7;202(2):193–6

Studies on in vitro effect of serotonin on calcitonin secretion by rat thyroid C cells. Zabel M. **Histochemistry** 1985; 83(1):71–5

Prenatal exposure of the fetal rat to excessive L–thyroxine or 3,5–dimethyl–3'–isopropyl–thyronine produces persistent changes in the thyroid control system. Porterfield SP. **Horm Metab Res** 1985 Dec;17(12):655–9

Alpha 1–adrenergic stimulation of arachidonic acid release and metabolism in a rat thyroid cell line. Mediation of cell replication by prostaglandin E2. Burch RM, et al.
J Biol Chem 1986 Aug 25;261(24):11236–41

Thyrotropin and dibutyryl cyclic AMP increase levels of c–myc and c–fos mRNAs in cultured rat thyroid cells. Tramontano D, et al. **J Biol Chem** 1986 Mar 25; 261(9):3919–22

In–vivo studies of a human–thyrotrophin preparation. Law A, et al. **J Endocrinol** 1986 Aug;110(2):375–8

Effects of iodide and thyroxine on iodine–deficient mouse thyroid: a morphological and functional study. Many MC, et al. **J Endocrinol** 1986 Aug;110(2):203–10

Colloid droplet accumulation precedes the enhancement of 6–keto–PGF 1 alpha release from the thyrotropin–stimulated thyroid gland. Pawlikowski M, et al. **J Endocrinol Invest** 1985 Aug;8(4):293–5

Ultrastructure of the thyroid glands of rats fed photomirex: a 48–week recovery study. Singh A, et al.
J Environ Pathol Toxicol Oncol 1985 Sep–Oct;6(1):115–26

Effects of the long–term (17–19 months) feeding of high–iodine eggs on lipid metabolism and thyroid function in rats. Katamine S, et al.
J Nutr Sci Vitaminol (Tokyo) 1985 Jun;31(3):339–53

Subacute toxicity of methylmercuric chloride and mercuric chloride on mouse thyroid. Nishida M, et al.
J Pharmacobiodyn 1986 Apr;9(4):331–8

Amiodarone therapy effects on childhood thyroid function. Costigan DC, et al. **Pediatrics** 1986 May;77(5):703–8

Thyrotropin upregulates alpha 1–adrenergic receptors in rat FRTL–5 thyroid cells. Corda D, et al.
Proc Natl Acad Sci USA 1985 Dec;82(24):8677–80

Thyroid status and thermogenesis in rats treated with 2,3,7,8–tetrachlorodibenzo–p–dioxin. Potter CL, et al.
Toxicol Appl Pharmacol 1986 Jun 15;84(1):45–55

Histopathology of interscapular brown adipose tissue, thyroid, and pancreas in 2,3,7,8–tetrachlorodibenzo–p–dioxin (TCDD)–treated rats. Rozman K, et al. **Toxicol Appl Pharmacol** 1986 Mar 15; 82(3):551–9

Morphological and biochemical studies on minocycline–induced black thyroid in rats. Tajima K, et al. **Toxicol Appl Pharmacol** 1985 Dec;81(3 Pt 1):393–400

Conversion of thyroxine to triiodothyronine in liver biopsy samples of beta–carotene and vitamin–A supplemented dairy cows. Pethes G, et al. **Zentralbl Veterinarmed [A]** 1985 Aug;32(7):512–7

[Effect of iodine, copper and zinc supplements to rations with a high quota of rapeseed extract meal on the growth and thyroid function of fattening swine. 2. The effect of the iodine supplement on nutrient digestibility and on protein and energy retention] Schöne F, et al. **Arch Tierernahr** 1986 Apr–May;36(4–5):361–9 (Eng. Abstr.) (Ger)

[Effect of iodine, copper and zinc supplements to rations with a high quota of rapeseed extract meal on the growth and thyroid function of fattening swine. 3. The effect on weight and the histomorphometric findings in the thyroid and on the serum T3 and T4 concentrations] Schöne F, et al.
Arch Tierernahr 1986 Apr–May;36(4–5):371–80 (Eng. Abstr.) (Ger)

[Effect of celiprolol compared to propranolol on thyroid metabolism] Langsteger W, et al.
Wien Med Wochenschr 1985 Sep 30;135(18):451–7 (Eng. Abstr.) (Ger)

[Unwasted modification of the thyroid gland by drugs with special reference to nonsteroidal antirheumatic agents] Hambsch K, et al. **Z Gesamte Inn Med** 1986 Mar 15; 41(6):181–4 (Eng. Abstr.) (Ger)

[Effect of subchronic cadmium chloride, lead acetate and zinc chloride poisoning on the thyroid gland in rabbits receiving adequate amounts of iodine] Jonderko G, et al. **Endokrynol Pol** 1985;36(2):105–14 (Eng. Abstr.) (Pol)

[Effect of long–term exposure to a high manganese level in the air of the work area on the thyroid gland] Jonderko G, et al. **Endokrynol Pol** 1985;36(3):131–40 (Eng. Abstr.) (Pol)

[Interaction of prostaglandin E2 with receptors and their effect on adenylate cyclase activity in human thyroid tissue] Gal'chinskaia VIu, et al. **Biull Eksp Biol Med** 1986 Mar; 101(3):306–9 (Eng. Abstr.) (Rus)

[Effect of the antioxidant dibunol on the function of the adrenal cortex, the thyroid and the adenohypophysis in adult and old rats] Gorban' EN. **Biull Eksp Biol Med** 1985 Dec;100(12):643–5 (Eng. Abstr.) (Rus)

[Seasonal characteristics of the effect of melatonin on thyroid function] Rom–Bugoslavskaia ES, et al.
Biull Eksp Biol Med 1986 Mar;101(3):268–9 (Eng. Abstr.) (Rus)

[Effect of the antioxidant butylated hydroxytoluene (dibunol) on hormonal regulation in rats of various ages] Frol'kis VV, et al. **Dokl Akad Nauk SSSR** 1985;284(2):499–502 (Rus)

[Effect of leontoside and polysponin on thyroid function, lipids and the anticoagulation system of blood in rabbits with alimentary hypercholesterolemia] Mamadov IuM, et al. **Farmakol Toksikol** 1985 Sep–Oct;48(5):66–9 (Eng. Abstr.) (Rus)

[Comparative experimental study of the effect of melatonin and 5–methoxytryptamine on the thyroid gland of rats] Rom–Bugoslavskaia ES, et al. **Farmakol Toksikol** 1985 Sep–Oct;48(5):84–9 (Eng. Abstr.) (Rus)

[Morphometry of the thyroid in the experimental assessment of exposure to the chemical substances in drinking water] Seffner V, et al. **Gig Sanit** 1986 Apr;(4):73–4 (Rus)

[Effect of the epiphyseal hormone melatonin on thyroid functional activity in rats] Rom–Bugoslavskaia ES, et al. **Patol Fiziol Eksp Ter** 1985 Jul–Aug;(4):46–9 (Eng. Abstr.) (Rus)

[Action of the body fluorine of healthy persons and thyroidopathy patients on the function of hypophyseal–thyroid the system] Bachinskii PP, et al. **Probl Endokrinol (Mosk)** 1985 Nov–Dec;31(6):25–9 (Eng. Abstr.) (Rus)

[Reaction of the thyroid gland to a single and prolonged administration of prolactin] Pesotskaia PM.
Probl Endokrinol (Mosk) 1985 May–Jun;31(3):54–6 (Eng. Abstr.) (Rus)

[Repercussion of the application of povidone–iodine to the umbilical stump on thyroid function of the neonate at term] Arena J, et al. **An Esp Pediatr** 1985 Dec;23(8):562–8 (Eng. Abstr.) (Spa)

[Incidence of thyroid dysfunction in patients during chronic treatment with amiodarone] Valenzuela MA, et al.
Rev Med Chil 1985 Nov;113(11):1072–5 (Eng. Abstr.) (Spa)

EMBRYOLOGY

Differentiation and thyroid–stimulating hormone (TSH) sensitivity of the fetal rat thyroid in organ culture. Yamamoto M, et al. **Anat Rec** 1986 Aug;215(4):361–4

Morphogenetic movement of the thyroid primordium in the rat: a scanning and transmission electron microscopic study. Tan K. **Arch Histol Jpn** 1986 Mar;49(1):129–38

Effects of maternal iodine deficiency on the L–thyroxine and 3,5,3'–triiodo–L–thyronine contents of rat embryonic tissues before and after onset of fetal thyroid function. Escobar del Rey F, et al. **Endocrinology** 1986 Apr; 118(4):1259–65

Effects of maternal hypothyroidism on the weight and thyroid hormone content of rat embryonic tissues, before and after onset of fetal thyroid function. Morreale de Escobar G, et al. **Endocrinology** 1985 Nov;117(5):1890–900

The early ontogenesis of thyroid hormone receptor in the rat fetus. Perez–Castillo A, et al. **Endocrinology** 1985 Dec; 117(6):2457–61

Scanning electron microscopy of the pharyngeal floor in the development of rat thyroid gland. Tan K, et al.
J Electron Microsc (Tokyo) 1982;31(4):402–4

[Hypothalamo–hypophyseal correlates in the chick embryo: thyrotropic activity of adenohypophyseal grafts from donor embryos of various ages. Effect or pretreatment with TRH] Audine M, et al. **C R Soc Biol (Paris)** 1985; 179(5):631–7 (Eng. Abstr.) (Fre)

[Development of an embryonic thyroid grafted into a chick embryo] Piet M, et al. **C R Soc Biol (Paris)** 1985; 179(5):638–44 (Eng. Abstr.) (Fre)

ENZYMOLOGY

Inhibitory action of dipyrone on rat thyroid peroxidase and lactoperoxidase activities. Varela V, et al.
Acta Physiol Pharmacol Latinoam 1985;35(2):259–66

Detection of a catalytic intermediate of peroxidase in hog thyroid microsomes. Nakamura M, et al.
Biochem Biophys Res Commun 1985 Sep 16;131(2):681–6

Improved method of thyroid peroxidase extraction from the human thyroid gland. Sugawara M, et al.
Clin Chim Acta 1985 Sep 16;151(1):17–22

Activity of 5'–nucleotidase, AMP deaminase, adenosine deaminase, acid and alkaline phosphatase and nucleotide pyrophosphatase in human thyroid. Jaroszewicz L, et al.
Endocrinol Exp (Bratisl) 1985 Dec;19(4):231–6

Purification and characterization of GDP–D–mannose 4,6–dehydratase from porcine thyroid. Broschat KO, et al.
Eur J Biochem 1985 Dec 2;153(2):397–401

Purification of the human thyroid peroxidase and its identification as the microsomal antigen involved in autoimmune thyroid diseases. Czarnocka B, et al.
FEBS Lett 1985 Oct 7;190(1):147–52

An improved assay method for thyroid peroxidase applicable for a few milligrams of abnormal human thyroid tissues. Hosoya T, et al. **J Biochem (Tokyo)** 1985 Sep;98(3):637–47

Thyroid peroxidase selects the mechanism of either 1– or 2–electron oxidation of phenols, depending on their substituents. Nakamura M, et al. **J Biol Chem** 1985 Nov 5;260(25):13546–52

Differential effects of polyamines on rat thyroid protein kinase activities. Levasseur S, et al. **J Cell Biochem** 1985; 28(4):299–306

Characterization of human thyroid peroxidase purified by monoclonal antibody–assisted chromatography. Ohtaki S, et al. **J Clin Endocrinol Metab** 1986 Sep;63(3):570–6

Can the inhibition of prostaglandin synthesis affect the adenylate cyclase response to thyroid stimulating antibodies? Macchia E, et al. **J Endocrinol Invest** 1985 Dec; 8(6):567–70

Phospholipid–sensitive Ca2+–dependent protein kinase from bovine thyroid: characteristics and subcellular distribution of the enzyme and its substrates. Tanabe A, et al.
Metabolism 1986 May;35(5):457–65

Phosphofructokinase in normal thyroid tissue and thyroid neoplasms. van der Heijden MC, et al. **Tumour Biol** 1986; 7(1):9–18

[Peroxidase activity of thyroid tissue in toxic diffuse goiter. Difference among thyroids administered antithyroid drugs and potassium iodide] Hiyama Y, et al.
Nippon Naibunpi Gakkai Zasshi 1986 Jan 20;62(1):1–8 (Eng. Abstr.) (Jpn)

[Structure and function of thyroid follicular cells—biochemical and histochemical studies on the enzymes related to thyroid hormone synthesis] Matsubara F. **Rinsho Byori** 1985 Apr;33(4):406–20 (Jpn)

[Respiratory enzyme activity in the thyroid tissue of toxic goiter patients receiving lithium carbonate before surgery] Cheren'ko MP, et al. **Vrach Delo** 1985 Jul;(7):54–7 (Eng. Abstr.) (Rus)

GROWTH & DEVELOPMENT

Postnatal development of brain TRH, serum TSH and thyroid hormones in the male and female rat. Gayo L, et al. **Acta Endocrinol (Copenh)** 1986 May;112(1):7–11

Thyroid growth immunoglobulins in large multinodular endemic goiters: effect of iodized oil. Medeiros–Neto GA, et al. **J Clin Endocrinol Metab** 1986 Sep;63(3):644–50

Early development in the caudate and thyroid of methimazole–treated rats. Comer CP, et al.
Neurotoxicology 1985 Fall;6(3):25–35

[Possible regulation of the growth of thyroid tissue by plasma iodide] Rognoni JB, et al. **C R Acad Sci [III]** 1985; 301(13):635–8 (Eng. Abstr.) (Fre)

IMMUNOLOGY

Thyroid glands in patients with Graves' disease are sources of thyrotropin–binding inhibitory (TBI) activity. Arqueros MC, et al. **Acta Endocrinol (Copenh)** 1986 Jul;112(3):351–4

Activation of adrenal adenyl cyclase by anti–thyroid plasma membrane antibodies. Ong M, et al.
Acta Endocrinol (Copenh) 1985 Oct;110(2):244–50

Study lacks pharmacotherapy data [letter] Stein MB.
Am J Psychiatry 1986 Apr;143(4):555–6

Thyroid dysfunction in Down's syndrome. Loudon MM, et al. **Arch Dis Child** 1985 Dec;60(12):1149–51

No prognostic value of thyroid autoantibodies changes during and after methimazole therapy in patients with Graves' disease. Lattanzi V, et al.
Boll Soc Ital Biol Sper 1985 Apr 30;61(4):507–13

Thyroid blood group isoantigen expression: a parallel with ABH isoantigen expression in the distal colon. Vowden P, et al. **Br J Cancer** 1986 Jun;53(6):721–5

Assays for thyrotropin–receptor binding and thyroid–stimulating antibodies in sera from patients with Graves' disease. Massart C, et al. **Clin Chem** 1986 Jul; 32(7):1332–5

The assay for thyroid stimulating immunoglobulins using cultured human thyroid cells. Grant SJ, et al.
Clin Endocrinol (Oxf) 1985 Oct;23(4):325–34

TSH receptor antibody synthesis by thyroid lymphocytes. McLachlan SM, et al. **Clin Endocrinol (Oxf)** 1986 Feb; 24(2):223–30

Studies on the immunoregulation of thyroid autoantibody production in vitro. Benveniste P, et al. **Clin Exp Immunol** 1985 Aug;61(2):274–82

Association between thyroid microsomal antibodies of subclass IgG–1 and hypothyroidism in autoimmune postpartum thyroiditis. Jansson R, et al. **Clin Exp Immunol** 1986 Jan;63(1):80–6

Interferon–gamma induces HLA–DR expression by thyroid epithelium. Todd I, et al. **Clin Exp Immunol** 1985 Aug; 61(2):265–73

Thyroidal response to an increase or decrease of endogenous TSH in patients with hyperthyroidism and its correlation with TSH binding inhibiting immunoglobulin. Katakura M, et al. **Clin Exp Pharmacol Physiol** 1986 May;13(5):407–15

The production and characterization of thyroid–derived T–cell lines in Graves' disease and Hashimoto's thyroiditis. Weetman AP, et al. **Clin Immunol Immunopathol** 1986 Apr; 39(1):139–50

Thyroid, gastric, and adrenal autoimmunities associated with insulin–dependent diabetes mellitus. Maclaren NK, et al. **Diabetes Care** 1985 Sep–Oct;8 Suppl 1:34–8

Cyclosporin prophylaxis induces long–term prevention of diabetes, and inhibits lymphocytic infiltration in multiple target tissues in the high–risk BB rat. Jaworski MA, et al. **Diabetes Res** 1986 Jan;3(1):1–6

Thyroid autoimmunity and endemic goiter. Fenzi GF, et al. **Endocrinol Exp (Bratisl)** 1986 Mar;20(1):49–56

HLA–DR alpha chain expression in human thyroid cells. Piccinini LA, et al. **Endocrinology** 1986 Jun;118(6):2611–3

Thyroid–stimulating immunoglobulins and thyroid function tests in two siblings with neonatal thyrotoxicosis. Wit JM, et al. **Eur J Pediatr** 1986 Apr;145(1–2):143–7

Cytolytic T lymphocytes with natural killer activity in thyroid infiltrate of patients with Hashimoto's thyroiditis: analysis at clonal level. del Prete GF, et al. **J Clin Endocrinol Metab** 1986 Jan;62(1):52–7

Thyrocyte HLA–DR expression and interferon–gamma production in autoimmune thyroid disease. Iwatani Y, et al. **J Clin Endocrinol Metab** 1986 Sep;63(3):695–708

Class II major histocompatibility complex antigen expression and cellular interactions in thyroid glands of Graves' disease. Matsunaga M, et al. **J Clin Endocrinol Metab** 1986 Apr;62(4):723–8

Anti–thyroid peroxidase antibody in patients with autoimmune thyroid disease: possible identity with anti–microsomal antibody. Portmann L, et al. **J Clin Endocrinol Metab** 1985 Nov;61(5):1001–3

Monoclonal antithyroglobulin antibodies derived from immunizations of mice with human eye muscle and thyroid membranes. Tao TW, et al. **J Clin Endocrinol Metab** 1986 Sep;63(3):577–82

The in vitro regulation of human thyrocyte HLA–DR antigen expression. Weetman AP, et al. **J Clin Endocrinol Metab** 1985 Nov;61(5):817–24

Human monoclonal autoantibodies that react with both pancreatic islets and thyroid. Garzelli C, et al. **J Clin Invest** 1986 May;77(5):1627–31

Studies on multiple thyroid cell membrane–directed antibodies in Graves' disease. Zakarija M, et al. **J Clin Invest** 1985 Nov;76(5):1885–91

Antigen binding characteristics of thyroid microsomal autoantibodies studied with ELISA methods. Laing P. **J Clin Lab Immunol** 1986 Jan;19(1):19–23

Thyroid autoantigen–induced lymphocyte proliferation in Graves' disease and Hashimoto's thyroiditis. Weetman AP, et al. **J Clin Lab Immunol** 1985 May;17(1):1–6

Measurement of spontaneous and stimulated anti–microsomal antibody synthesis in vitro by avidin–biotin enzyme immunoassay. Harigai M, et al. **J Immunol Methods** 1986 Jul 11;91(1):129–38

Long–term frozen sera for epidemiological studies of antibodies [letter] Torfs CP, et al. **Lancet** 1986 Mar 1; 1(8479):503–4

Activation of thyroid adenyl cyclase by antisera to thyroid plasma membrane preparations: effects of IgG and non–IgG antiserum components. Ong M, et al. **Metabolism** 1986 Apr; 35(4):292–6

Microbial adjuvant and autoimmunity. IV. The induction of thyroid lesions in syngeneic X–irradiated mice by the transfer of spleen cells from mice immunized with thyroid extract and Klebsiella O3 lipopolysaccharide. Yokochi T, et al. **Microbiol Immunol** 1986;30(6):553–9

Syngeneic sensitization of mouse lymphocytes on monolayers of thyroid epithelial cells. IX. Thyroid epithelial cells are antigen presenting cells. Remy JJ, et al. **Mol Biol Med** 1986 Apr;3(2):167–79

HLA class II antigens and the human thyroid cell: a review. Davies TF, et al. **Mt Sinai J Med (NY)** 1986 Jan;53(1):23–30 (59 ref.)

In vitro studies of human thyroid autoantibody synthesis. McLachlan SM, et al. **Mt Sinai J Med (NY)** 1986 Jan; 53(1):38–45

Transient neonatal 'athyreosis' resulting from thyrotropin–binding inhibitory immunoglobulins. Connors MH, et al. **Pediatrics** 1986 Aug;78(2):287–90

[Thyroid antibodies and their diagnostic value] Schneidinger P, et al. **Schweiz Med Wochenschr** 1985 Nov 2; 115(44):1536–44 (Eng. Abstr.) (Ger)

[Diabetes and immune pathology. Preliminary study] Colabucci F, et al. **Minerva Pediatr** 1986 Apr 15; 38(7):221–3 (Ita)

[Thyro–gastric autoimmunity in a pediatric population of type–I diabetics] De Luca F, et al. **Minerva Pediatr** 1985 May 31;37(10):391–7 (Eng. Abstr.) (Ita)

[Thyroid stimulating immunoglobulin bioassay using cultured normal human thyroid cells] Ando M, et al. **Nippon Naibunpi Gakkai Zasshi** 1985 Aug 20;61(8):847–58 (Eng. Abstr.) (Jpn)

[Measurement of thyroid microsomal antibody in serum by enzyme immunoassay] Watanabe Y, et al. **Rinsho Byori** 1986 Jan;34(1):65–8 (Jpn)

[Membrane and thyroglobulin antibodies in Graves–Basedow disease treated with I–131 or thyrostatics] Czech W, et al. **Pol Tyg Lek** 1986 Feb 3;41(5):142–4 (Eng. Abstr.) (Pol)

[Comparative usefulness of radioimmunological and immunofluorescent methods for detection of thyroid antimicrosomal antibodies] Lacka K, et al. **Pol Tyg Lek** 1985 Jul 8;40(27):763–6 (Eng. Abstr.) (Pol)

[Lymphoid infiltration of the thyroid gland and antithyroid antibodies in patients with diffuse toxic goiter] Ibragim MD, et al. **Probl Endokrinol (Mosk)** 1985 May–Jun; 31(3):18–22 (Eng. Abstr.) (Rus)

[Thyroid–stimulating antibodies] Kandror VI, et al. **Probl Endokrinol (Mosk)** 1985 Jul–Aug;31(4):75–80 (94 ref.) (Rus)

[Thyroid gland and amiodarone (letter)] Gómez–Balaguer M, et al. **Med Clin (Barc)** 1986 Jun 14;87(3):126–7 (Spa)

INNERVATION

The fine structure of nerve endings on rat thyroid follicular cells. Uchiyama Y, et al. **Cell Tissue Res** 1985;242(2):457–60

Thyroid neuroendocrinology: neural regulation of thyroid hormone secretion. Ahrén B. **Endocr Rev** 1986 May; 7(2):149–55 (88 ref.)

Peptide histidine isoleucine amide stimulates thyroid hormone secretion and coexists with vasoactive intestinal polypeptide in intrathyroid nerve fibers from laryngeal ganglia. Grunditz T, et al. **Endocrinology** 1986 Feb; 118(2):783–90

Acetylcholine esterase positive nerves in swine thyroid. Lakomy M, et al. **Z Mikrosk Anat Forsch** 1986;100(1):34–8

[Variability in the myeloarchitectonics of the nerves of the thyroid arteries during postnatal human development] Ermoliuk VD. **Arkh Anat Gistol Embriol** 1986 Feb; 90(2):61–4 (Eng. Abstr.) (Rus)

METABOLISM

Do C cells of the thyroid gland of the baboon contain estrogen receptors? Weaker FJ, et al. **Acta Anat (Basel)** 1986;125(3):213–6

Thyroid hormones in generalized scleroderma. A controlled study. Serup J, et al. **Acta Derm Venereol (Stockh)** 1986; 66(1):35–8

Effects of phorbol esters on protein phosphorylation and free T3 release by mouse thyroid lobes. Haraguchi K, et al. **Acta Endocrinol (Copenh)** 1986 Jun;112(2):217–23

Intrathyroidal thyroglobulin in streptozotocin–diabetic rats. Lamas L, et al. **Acta Endocrinol (Copenh)** 1986 Aug; 112(4):552–8

Kinetics of [123I]iodide uptake and discharge by perchlorate in studies of inhibition of iodide binding by antithyroid drugs. McCruden DC, et al. **Acta Endocrinol (Copenh)** 1985 Dec;110(4):499–504

Assay for thyroid growth stimulating immunoglobulins: stimulation of [3H]thymidine incorporation into isolated thyroid follicles by TSH, EGF, and immunoglobulins from goitrous patients in an iodine–deficient region. Schatz H, et al. **Acta Endocrinol (Copenh)** 1986 Aug;112(4):523–30

Alterations of adrenergic systems in thyroid slices from patients with Graves' disease. Yamashita K, et al. **Acta Endocrinol (Copenh)** 1985 Nov;110(3):360–5

Specific stimulatory effects of Graves' IgG on the release of triiodothyronine from the patients' own thyroids. Yamashita S, et al. **Acta Endocrinol (Copenh)** 1986 Jun; 112(2):204–9

Serum thyroid hormones and tissue 5'–monodeiodinase activity in acutely thyroidectomized newborn lambs. Polk DH, et al. **Am J Physiol** 1986 Aug;251(2 Pt 1):E151–5

Effect of valinomycin on thyroid iodide transport and TSH–stimulated cAMP formation. Sherwin JR, et al. **Am J Physiol** 1986 Feb;250(2 Pt 1):E164–8

Cell membrane coating with glutaraldehyde: application to a versatile solid–phase assay for thyroid membrane proteins and molecules interacting with thyroid membranes. Adler G, et al. **Anal Biochem** 1985 Aug 1;148(2):320–7

Localization and development of immunoreactive triiodothyronine in thyroid glands of dogs and chickens. Kameda Y, et al. **Anat Rec** 1986 Feb;214(2):168–76

Covalent crosslinking of thyrotropin to thyroid plasma membrane receptors: subunit composition of the thyrotropin receptor. McQuade R, et al. **Arch Biochem Biophys** 1986 Apr;246(1):52–62

Lectin histochemistry of papillary and follicular carcinoma of the thyroid gland. Sobrinho–Simões M, et al. **Arch Pathol Lab Med** 1986 Aug;110(8):722–9

Polyamines stimulate endogenous protein phosphorylation in thyroid cytosol. Levasseur S, et al. **Biochem Biophys Res Commun** 1985 Nov 27;133(1):354–60

Effects of acetylcholine, TSH and other stimulators on intracellular calcium concentration in dog thyroid cells. Sheela Rani CS, et al. **Biochem Biophys Res Commun** 1985 Sep 30;131(3):1041–7

TSH–stimulated increases in calcium uptake and calmodulin levels in thyroid cells. Takasu N, et al. **Biochem Biophys Res Commun** 1986 Apr 14;136(1):306–9

Modulation of cyclic AMP action in the dog thyroid by its agonist and antagonist Sp– and Rp–adenosine 3',5'–monophosphorothioate. Erneux C, et al. **Biochem J** 1986 Feb 15;234(1):193–7

Thyroid status and metabolic rate in protein–deficient rats [letter] Cox MD, et al. **Br J Nutr** 1985 Jul;54(1):321–2

Comparative evaluation of cyclic AMP and iodide accumulation responses to thyroid–stimulating immunoglobulins in cultured FRTL–5 cells. Bidey SP, et al. **Clin Endocrinol (Oxf)** 1986 Apr;24(4):447–58

Catecholamine, vasoactive intestinal peptide and thyrotrophin–dependent cAMP levels display a different sensitivity to iodothyronines in both normal and pathological human thyroid cells in culture. Brandi ML, et al. **Clin Endocrinol (Oxf)** 1985 Nov;23(5):503–9

An analysis of thyrotrophin receptor binding and thyroid stimulating activities in a series of Graves' sera. Creagh F, et al. **Clin Endocrinol (Oxf)** 1985 Oct;23(4):395–404

Short– and long–term evaluation of normal and abnormal human thyroid cells in monolayer culture. Davies TF, et al. **Clin Endocrinol (Oxf)** 1985 Nov;23(5):469–79

Thyroid function in mice with experimental autoimmune thyroiditis. Vladutiu AO, et al. **Clin Exp Immunol** 1985 Aug;61(2):257–64

Diffusion of thyroglobulin in the follicular colloid. (Minireview). Gerber H, et al. **Endocrinol Exp (Bratisl)** 1986 Mar;20(1):23–33 (56 ref.)

Long–term effect of hypophysectomy on various fractions of sulfhydryl groups in thyroid, adrenal and some other organs in rats. Sedlák J. **Endocrinol Exp (Bratisl)** 1985 Sep; 19(3):186–92

Characterization of regulation of thyrotropin (TSH) receptor function in thyroid plasma membrane: interaction between TSH receptor function and activation of adenosine 3',5'–monophosphate–dependent protein kinase. Hashizume K, et al. **Endocrinol Jpn** 1986 Feb;33(1):81–8

Iodide modulation of Ca2+ efflux from mouse thyroid. Hashizume K, et al. **Endocrinol Jpn** 1985 Apr;32(2):259–64

Beta–endorphin and its congeners in rat pituitary and thyroid: effects of propylthiouracil and thyroid hormone administration. Cheng MC, et al. **Endocrinology** 1986 Aug; 119(2):642–7

hCG–induced TSH receptor activation and growth acceleration in FRTL–5 thyroid cells. Davies TF, et al. **Endocrinology** 1986 May;118(5):2149–51

Binding of thyroid hormones to nuclear extracts of thyroid cells. Erkenbrack DE, et al. **Endocrinology** 1986 Jul; 119(1):311–7

Iodine suppression of iodide uptake in FRTL–5 thyroid cells. Grollman EF, et al. **Endocrinology** 1986 Jun;118(6):2477–82

Dephosphorylation of 19K and 21K polypeptides in response to thyroid–stimulating hormone in cultured thyroid cells. Ikeda M, et al. **Endocrinology** 1986 Aug;119(2):591–9

Thyroxine entering the thyroid gland via the vascular bed may leave the gland as triiodothyronines. Studies with perfused dog thyroid lobes. Laurberg P. **Endocrinology** 1986 Mar;118(3):895–900

Peroxide formation and glucose oxidation in calf thyroid slices: regulation by protein kinase–C and cytosolic free calcium. Lippes HA, et al. **Endocrinology** 1986 Apr; 118(4):1306–11

Dopamine and L–dopa: inhibition of thyrotropin–stimulated thyroidal thyroxine release. Maayan ML, et al. **Endocrinology** 1986 Feb;118(2):632–6

Properties and regulation of the thyrotropin receptor in the FRTL5 rat thyroid cell line. Tramontano D, et al. **Endocrinology** 1986 May;118(5):1945–51

Insulin–like growth factor–I stimulates the growth of rat thyroid cells in culture and synergizes the stimulation of DNA synthesis induced by TSH and Graves'–IgG. Tramontano D, et al. **Endocrinology** 1986 Aug;119(2):940–2

Thyrotropin–independent mutant clones from FRTL5 rat thyroid cells: hormonal control mechanisms in differentiated cells. Tramontano D, et al. **Endocrinology** 1986 Feb;118(2):862–8

Location of epidermal growth factor receptors on porcine thyroid follicle cells and receptor regulation by thyrotropin. Westermark K, et al. **Endocrinology** 1986 Mar; 118(3):1040–6

Differential protein synthesis in the induction of thyroid cell proliferation by thyrotropin, epidermal growth factor or serum. Lamy F, et al. **Eur J Biochem** 1986 Mar 3; 155(2):265–72

Antagonistic effects of thyrotropin and epidermal growth factor on thyroglobulin mRNA level in cultured thyroid cells. Roger PP, et al. **Eur J Biochem** 1985 Oct 15; 152(2):239–45

Action of different doses of I–131 on thyroid gland, its tissue distribution and elimination in adult male rats. Klinger W, et al. **Exp Clin Endocrinol** 1986 Jun;87(1):53–62

Action of TSH on nuclear ADP–ribosylation in dog thyroid slices. Pisarev MA, et al. **Experientia** 1985 Nov 15; 41(11):1453–5

TSH–induced cyclic AMP production in an ovine thyroid cell line: OVNIS 5H. Fayet G, et al. **FEBS Lett** 1986 Jan 6;194(2):287–91

Specific uptake, dissociation, and degradation of 125I–labeled insulin in isolated turtle (Chrysemys dorbigni) thyroid glands. Marques M, et al. **Gen Comp Endocrinol** 1985 Nov;

60(2):306–14
Effects of mast cell inhibition on plasma and aortic content of lipids, hexosamine, and hydroxyproline in rats. Role of thyroid gland. Bydlowski SP, et al. **Gen Pharmacol** 1986; 17(2):247–50
Efficacy of radioiodine urinalysis. Broga DW, et al. **Health Phys** 1986 May;50(5):629–37
Skin exposure to I blocks thyroid uptake of 131I. Miller KL, et al. **Health Phys** 1985 Nov;49(5):791–4
Thyroid function in type 1 juvenile diabetes mellitus: tendency to the low T3 syndrome. Radetti G, et al. **Helv Paediatr Acta** 1985;40(6):461–6
Ontogeny of calcitonin gene-related peptide and calcitonin in the rat thyroid. Nitta K, et al. **Histochemistry** 1986; 84(2):139–43
Ultrastructural immunocytochemical localization of neuron-specific enolase in parafollicular cells of the rat thyroid. Zabel M, et al. **Histochemistry** 1985;83(1):77–80
Disparate uptake of 99mTcO4– and 125I– in thyroid cells in culture. Eggo MC, et al. **Horm Metab Res** 1986 Mar; 18(3):167–72
Specific epidermal growth factor receptors on porcine and human thyroid membranes. Kasai K, et al. **Horm Metab Res** 1985 Nov;17(11):592–4
Subcellular localization and binding of 125I-triiodothyronine in calf thyroid. Pisarev MA, et al. **Horm Metab Res** 1986 May;18(5):318–22
Effect of acetaldehyde on thyroid function. Prasanna CV, et al. **Indian J Exp Biol** 1986 Feb;24(2):77–8
Hypoxanthine and adenine metabolism in bovine thyroid tissue. Post GR, et al. **Int J Biochem** 1986;18(1):63–6
The effect of composite oral treatment for internal contamination with several radionuclides on 131I thyroid uptake in humans. Simonović I, et al. **J Appl Toxicol** 1986 Apr;6(2):109–11
Solubilization and reconstitution of iodide counterflow activity from the thyroid plasma membranes into soybean phospholipid vesicles. Saito K, et al. **J Biochem (Tokyo)** 1986 Feb;99(2):503–11
Regulation of thyroglobulin glycosylation. A comparative study of the thyroglobulins from porcine thyroid glands and follicles in serum-free culture. Ronin C, et al. **J Biol Chem** 1986 Jun 5;261(16):7287–93
The thyroid "microsomal" antigen is an epitope on the thyrotropin receptor. Islam N, et al. **J Cell Biochem** 1986; 31(2):107–20
Unusual antagonistic actions of mixtures of vasoactive intestinal peptide, thyroid-stimulating antibodies, and cholera toxin on adenosine 3',5'-monophosphate accumulation in normal human thyroid cell cultures. Brandi ML, et al. **J Clin Endocrinol Metab** 1986 Jun;62(6):1199–205
Iodine kinetic studies during amiodarone treatment. Rao RH, et al. **J Clin Endocrinol Metab** 1986 Mar;62(3):563–8
Thyroid iodine content and serum thyroglobulin: cues to the natural history of destruction-induced thyroiditis. Smallridge RC, et al. **J Clin Endocrinol Metab** 1986 Jun; 62(6):1213–9
Thyroid-stimulating antibody mimics thyrotropin in its ability to desensitize the adenosine 3',5'-monophosphate response to acute stimulation in continuously cultured rat thyroid cells (FRT-L5). Vitti P, et al. **J Clin Endocrinol Metab** 1986 Aug;63(2):454–8
Uninhibited thyroidal uptake of radioiodine despite iodine excess in amiodarone-induced hypothyroidism. Wiersinga WM, et al. **J Clin Endocrinol Metab** 1986 Aug;63(2):485–91
Inhibition of thyrotropin-stimulated adenosine 3',5'-monophosphate formation in rat thyroid cells by an adenosine analog. Evidence that the inhibition is mediated by the putative inhibitory guanine nucleotide regulatory protein. Berman MI, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1986; 11(2):99–111
The escape of cyclic AMP from dog thyroid slices exposed to positive and negative regulators. Cochaux P, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1986;11(2):75–85
Endocrine control of smoltification in anadromous salmonids. Barron MG. **J Endocrinol** 1986 Feb;108(2):313–9 (51 ref.)
Characterization of the insulin-binding sites in turtle thyroid microsomes. Turyn D, et al. **J Endocrinol** 1986 Jan; 108(1):157–62
Activities of deglycosylated thyrotropin at the thyroid membrane receptor-adenylate cyclase system. Amr S, et al. **J Endocrinol Invest** 1985 Dec;8(6):537–41
Effects of thyrotropin and thyroid stimulating immunoglobulins on gangliosides labelling of human thyroid cultured pathological cells. Etienne-Decerf J, et al. **J Endocrinol Invest** 1986 Feb;9(1):57–63
Transient neonatal hypothyroidism probably related to immaturity of thyroidal iodine organification. Nose O, et al. **J Pediatr** 1986 Apr;108(4):573–6
Binding of bovine thyrotropin to specific sites in thyroid tissue from control and hemithyroidectomized rats. Clark OH, et al. **J Surg Res** 1985 Dec;39(6):489–98
Effects of iodine and iodine-containing compounds on thyroid function. Silva JE. **Med Clin North Am** 1985 Sep; 69(5):881–98
The role of calcium in the induction of refractoriness to cyclic AMP stimulation by TSH. Chayoth R, et al. **Metabolism** 1985 Dec;34(12):1128–32
Relationships between the GTP content and the TSH-stimulated adenylate cyclase activity of cultured thyroid cells. Aublin JL, et al. **Mol Cell Endocrinol** 1986 Apr;45(1):11–20
Separation and analysis of two plasma membrane fractions from bovine thyroid which differ in TSH binding and TSH activation of adenylate cyclase. Champier J, et al. **Mol Cell Endocrinol** 1985 Nov;43(1):83–93
Epidermal growth factor inhibits thyrotropin-mediated synthesis of tissue-specific proteins in cultured ovine thyroid cells. Errick JE, et al. **Mol Cell Endocrinol** 1985 Nov;43(1):51–9
Chronic and acute effects of forskolin on isolated thyroid cell metabolism. Haye B, et al. **Mol Cell Endocrinol** 1985 Nov;43(1):41–50
Synthesis of a high molecular weight thyroglobulin dimer by two ovine thyroid cell lines: the OVNIS. Hovsépian S, et al. **Mol Cell Endocrinol** 1986 May;45(2–3):119–26
Thyroid dysfunction in patients on regular hemodialysis: evaluation of the stable intrathyroidal iodine pool, incidence of goiter and free thyroid hormone concentration. Scanessel JJ, et al. **Nephron** 1985; 41(2):141–5
Neuropeptidergic control of cyclic AMP accumulation in human thyroid cell. Brandi ML, et al. **Peptides** 1985 Jul–Aug;6(4):641–4
The influence of castration and methimazole on deoxyribonucleic acid content of the pituitary and thyroid glands of White Leghorn cockerels. Chiasson RB. **Poult Sci** 1986 Feb;65(2):380–3
Synthesis of nerve growth factor mRNA and precursor protein in the thyroid and parathyroid glands of the rat. Dicou E, et al. **Proc Natl Acad Sci USA** 1986 Sep; 83(18):7084–8
Epidermal growth factor receptors in normal and neoplastic thyroid tissue. Duh QY, et al. **Surgery** 1985 Dec; 98(6):1000–7
Cytochemical localization of hydrogen peroxide: generating sites in the rat thyroid gland. Labato MA, et al. **Tissue Cell** 1985;17(6):889–900
Morphological demonstration and quantification of TSH binding sites in neoplastic and non-neoplastic thyroid tissues. An autoradiographic study using 125I-labelled thyrotropin. Schröder S, et al. **Virchows Arch [A]** 1986; 409(5):555–70
[Washout of thallium-201 in the thyroid of euthyroid subjects] Indovina A, et al. **Boll Soc Ital Biol Sper** 1986 Apr 30;62(4):465–9 (Eng. Abstr.) **(Ita)**
[Thyroid uptake of 131I in different forms of hyperthyroidism caused by amiodarone] Martino E, et al. **Minerva Endocrinol** 1985 Jan–Mar;10(1):1–10 (Eng. Abstr.) **(Ita)**
[An increase in calcitonin levels in the thyroid gland of infant rats following parathyroidectomy] Komura T. **Nippon Naibunpi Gakkai Zasshi** 1986 Feb 20;62(2):69–81 (Eng. Abstr.) **(Jpn)**
[Characterization of the binding of 125I-TSH to its receptor in low-uptake thyroid hyperplasias] Bianco AC, et al. **Rev Paul Med** 1985 Jul–Aug;103(4):176–81 (Eng. Abstr.) **(Por)**
[Status of the histaminergic system of the thyroid gland in thyrotoxic patients] Rom-Bugoslavskaia ES, et al. **Fiziol Zh** 1985 Nov–Dec;31(6):746–9 **(Rus)**

PATHOLOGY

Black thyroid syndrome: exaggeration of a normal process? Landas SK, et al. **Am J Clin Pathol** 1986 Apr;85(4):411–8
Hoarseness, dysphagia, and goiter in a young woman [clinical conference] **Am J Med** 1986 Jan;80(1):77–82
Painless giant cell thyroiditis diagnosed by fine needle aspiration and associated with intense thyroidal uptake of gallium. Sanders LR, et al. **Am J Med** 1986 May; 80(5):971–5
Prognostic significance of thyroid gland involvement in laryngeal carcinoma. Gilbert RW, et al. **Arch Otolaryngol Head Neck Surg** 1986 Aug;112(8):856–9
Echographic findings and histological feature of the thyroid: a reverse relationship between the level of echo-amplitude and lymphocytic infiltration. Yoshida A, et al. **Endocrinol Jpn** 1985 Oct;32(5):681–90
Increased follicular heterogeneity in experimental colloid goiter produced by refeeding iodine excess after thyroid hyperplasia. Many MC, et al. **Endocrinology** 1986 Feb; 118(2):637–44
Increase in the number of type II insulin-like growth factor receptors during propylthiouracil-induced hyperplasia in the rat thyroid. Polychronakos C, et al. **Endocrinology** 1986 Sep;119(3):1204–9
Structural pathology of the thyroid gland (analysis of 2408 cases in Bulgaria). Raychev R, et al. **Folia Med (Plovdiv)** 1985;27(3):56–61
Chronic cadmium chloride toxicity for the adrenal homologues and heterotopic thyroid follicles of the freshwater fish Puntius sophore. Pandey AK, et al. **Folia Morphol (Praha)** 1985;33(4):398–403
Clear cell carcinoma of the thyroid gland. Segal K, et al. **Head Neck Surg** 1986 Mar–Apr;8(4):313–9
Endocrine changes associated with the human aging process: III. Effect of age on the number of calcitonin immunoreactive cells in the thyroid gland. O'Toole K, et al. **Hum Pathol** 1985 Oct;16(10):991–1000
Histometry of thyroids containing few and multiple nodules. Al-Mousss M, et al. **J Clin Pathol** 1986 May;39(5):483–8
Fine needle aspiration of thyroid: confusion v. subsequent histology [letter] Tselemi S. **J Clin Pathol** 1986 Jun; 39(6):697–8
Morphological changes in the pituitary and thyroid of the rat in hypobaric hypoxia. Gosney JR. **J Endocrinol** 1986 Apr;109(1):119–24
Relationship between growth and function of human thyroid cells in culture. Ollis CA, et al. **J Endocrinol** 1986 Mar; 108(3):393–8
Fine-needle aspiration biopsy of the thyroid gland: results of a five-year experience and discussion of its clinical limitations. Gardiner GW, et al. **J Otolaryngol** 1986 Jun; 15(3):161–5
The limitations of ultrasound in thyroid swellings. Al Sayer HM, et al. **J R Coll Surg Edinb** 1986 Feb;31(1):27–31
A quantitative assessment of thyroid histopathology of herring gulls (Larus argentatus) from the Great Lakes and a hypothesis on the causal role of environmental contaminants. Moccia RD, et al. **J Wildl Dis** 1986 Jan; 22(1):60–70
Fine needle biopsy of thyroid nodules: avoiding the pitfalls. Hamburger JI, et al. **NY State J Med** 1986 May;86(5):241–9 (65 ref.)
Focal lymphocytic infiltration in thyroids of elderly people. Histopathological and immunohistochemical studies. Kurashima C, et al. **Surv Synth Pathol Res** 1985; 4(5–6):457–66
Local histogram information content of ultrasound B-mode echographic texture. Mailloux GE, et al. **Ultrasound Med Biol** 1985 Sep–Oct;11(5):743–50
Induction and reversibility of thyroid proliferative changes in rats given an antithyroid compound. Todd GC. **Vet Pathol** 1986 Mar;23(2):110–7
Fine structural aspects on the fate of rat black thyroids induced by minocycline. Kurosumi M, et al. **Virchows Arch [B]** 1986;51(3):207–13
[Relationship between solid cell nests and focal lymphocytic thyroiditis] Prod'hom G, et al. **Ann Pathol** 1985; 5(4–5):265–70 (Eng. Abstr.) **(Fre)**
[Fine-needle biopsy of the thyroid: an aid in the diagnosis of thyroid cancer] Bourgeois P, et al. **Rev Med Brux** 1986 Jun;7(6):381–4 (Eng. Abstr.) **(Fre)**
[Comparative histologic and hormonal studies of the thyroid gland with special reference to sudden infant death (SIDS)] Risse M, et al. **Z Rechtsmed** 1986;96(1):31–8 (Eng. Abstr.) **(Ger)**
[Clinico-pathological study of thyroid carcinomas detected by mass screening] Omata K, et al. **Gan No Rinsho** 1986 Jun;32(7):740–8 (Eng. Abstr.) **(Jpn)**
[An autopsy case of alcoholic liver cirrhosis with marked atrophy of thyroid tissues] Sasagawa Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Aug;82(8):1954–9 **(Jpn)**
[Quantitative studies on the follicle lumen of the normal thyroid, adenoma and adenomatous goiter] Nakamura K, et al. **Rinsho Byori** 1986 Feb;34(2):206–10 **(Jpn)**
[Structure and function of the thyroid gland in premature infants with hyaline membrane disease] Lukas W, et al. **Pediatr Pol** 1986 Jan;61(1):65–9 **(Pol)**
[Thyroid echography in various thyroid diseases] Ozerova OE, et al. **Klin Med (Mosk)** 1986 Feb;64(2):135–7 (Eng. Abstr.) **(Rus)**
[Use of quantitative criteria in the cytologic diagnosis of hyperplastic processes in the thyroid gland] Tkach IuI, et al. **Lab Delo** 1986;(2):85–8 (Eng. Abstr.) **(Rus)**
[Aspiration puncture of the thyroid gland] Antić M. **Vojnosanit Pregl** 1986 Mar–Apr;43(2):116–23 (Eng. Abstr.) **(Ser)**
[Follicular proliferation in aspiration cytology of thyroid nodules] Corrales Hernández JJ, et al. **Med Clin (Barc)** 1986 Apr 12;86(14):579–81 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

The role of thyroid and adrenal cortical hormones in the modulation of the gonadal function in birds. Péczely P. **Acta Biol Hung** 1985;36(1):45–70
The aging thyroid. Relationship between elevated serum thyrotropin level and thyroid antibodies in elderly patients. Sawin CT, et al. **Am J Med** 1985 Nov;79(5):591–5
Equine thyroid function assessment with the thyrotropin-releasing hormone response test. Lothrop CD Jr, et al. **Am J Vet Res** 1986 Apr;47(4):942–4
The influence of age and sex on tests of thyroid function. Franklyn JA, et al. **Ann Clin Biochem** 1985 Sep;22 (Pt 5):502–5
Circulating thyrotrophin as an index of thyroid function. Woodhead JS, et al. **Ann Clin Biochem** 1985 Sep;22 (Pt 5):455–9 (14 ref.)
Energetic changes of myocardium as an adaptation to chronic hemodynamic overload and thyroid gland activity. Holubarsch C, et al. **Basic Res Cardiol** 1985 Nov–Dec; 80(6):582–93
Effects of thyroid state and fasting on the concentrations of CoA and malonyl-CoA in rat liver. Lund H, et al. **Biochim Biophys Acta** 1986 May 21;876(3):685–7
Reevaluation of thyroid function in low birth weight infants based on free triiodothyronine and triiodothyronine. Nagashima K, et al. **Biol Neonate** 1985;48(6):341–5
Local diversity of myosin expression in mammalian atrial muscles. Variations depending on age and thyroid state in the rat and the rabbit. Dechesne CA, et al. **Circ Res** 1985 Nov;57(5):767–75
The physiology of the thyroid gland. Roman RM. **Ear Nose Throat J** 1985 Jul;64(7):334–6 (4 ref.)

Effect of changes in thyroid state on metabolism of thyroxine by rat placenta. Suzuki M, et al. **Endocrinol Jpn** 1986 Feb; 33(1):37–42

TSH and cAMP enhance expression of the myc proto–oncogene in cultured thyroid cells. Dere WH, et al. **Endocrinology** 1985 Nov;117(5):2249–51

Thyroid autoregulation: effect of iodine on glucose transport in cultured thyroid cells. Filetti S, et al. **Endocrinology** 1986 Apr;118(4):1395–400

Thyrotropin–stimulated electrical excitation and its refractoriness in cultured porcine thyroid cells. Takasu N, et al. **Endocrinology** 1986 Mar;118(3):1217–21

K+–dependent 3–O–methylfluorescein phosphatase activity in crude homogenate of rodent heart ventricle: effect of K+ depletion and changes in thyroid status. Nørgaard A, et al. **Eur J Pharmacol** 1985 Jul 31;113(3):373–82

Effect of thymus on the thyroid and pituitary thyrotropic function. Aleshin BV, et al. **Exp Clin Endocrinol** 1985 Aug; 86(1):41–52

Effects of 17 beta–estradiol and methyl testosterone on the activity of the thyroid gland in rainbow trout, Salmo gairdneri Richardson. Leatherland JF.
Gen Comp Endocrinol 1985 Dec;60(3):343–52

The relative potencies of L–T4 and L–T3 on the pituitary–thyroid axis in the Japanese quail. Parés–Herbuté N, et al. **Gen Comp Endocrinol** 1985 Nov;60(2):298–305

Thyroid status and noradrenaline–induced regulatory thermogenesis in heat acclimated rats. Arieli A, et al.
Horm Metab Res 1986 Feb;18(2):103–6

Age attenuation in the rat of pituitary–thyroid response to cold. Tang F, et al. **Horm Metab Res** 1986 Jan;18(1):70–1

Influence of thyroid function upon "Substance P" induced secretion of saliva by submaxillary glands. Tumilasci OR, et al. **Horm Metab Res** 1986 Apr;18(4):234–7

Thyroid function and the incidence of breast cancer in Hawaiian, British and Japanese women. Thomas BS, et al. **Int J Cancer** 1986 Sep 15;38(3):325–9

Effect of low–carbohydrate diets high in either fat or protein on thyroid function, plasma insulin, glucose, and triglycerides in healthy young adults. Ullrich IH, et al.
J Am Coll Nutr 1985;4(4):451–9

Early inhibition and changes in diurnal rhythmicity of the pituitary–thyroid axis after superior cervical ganglionectomy of rats. Cardinali DP, et al.
J Auton Nerv Syst 1986 May;16(1):13–21

Thyroid function modulates thymic endocrine activity. Fabris N, et al. **J Clin Endocrinol Metab** 1986 Mar; 62(3):474–8

Effect of epidermal growth factor on the membrane potential of cultured porcine thyroid cells. Bourke JR, et al.
J Endocrinol 1986 Jun;109(3):321–4

Endocrine changes associated with the termination of photorefractoriness by short daylengths and thyroidectomy in starlings (Sturnus vulgaris). Dawson A, et al.
J Endocrinol 1986 Jul;110(1):73–9

Influences of thyroidectomy and thyroxine replacement on photoperiodically controlled reproduction in quail. Follett BK, et al. **J Endocrinol** 1985 Nov;107(2):211–21

Sodium dependence of the thyrotrophin–induced depolarization in cultured porcine thyroid cells. Hambleton TA, et al. **J Endocrinol** 1986 Feb;108(2):225–30

Thyroid function in newborn lambs: influence of prolactin and growth hormone. Kühn ER, et al. **J Endocrinol** 1986 May;109(2):215–9

Control of sex steroid–binding protein (SBP) in the male little brown bat: relationship of plasma thyroxine levels to the induction of plasma SBP in immature males. Kwiecinski GG, et al. **J Endocrinol** 1986 Aug;110(2):271–8

Somatostatin immunoneutralization stimulates thyroid function in fowl. Lam SK, et al. **J Endocrinol** 1986 Jul; 110(1):127–32

Electrical responses of cultured porcine thyroid cells to adrenergic agents. McGrath PA, et al. **J Endocrinol** 1985 Oct;107(1):23–30

Electrical responses of cultured thyroid cells to serotonin. McGrath PA, et al. **J Endocrinol** 1985 Dec;107(3):397–401

Thyroid autoregulation. Pisarev MA. **J Endocrinol Invest** 1985 Oct;8(5):475–84 (129 ref.)

Thyroidectomy results in termination of photorefractoriness in starlings (Sturnus vulgaris) kept in long daylengths. Dawson A, et al. **J Reprod Fertil** 1985 Jul;74(2):527–33

The effects of thyroid hormones on the formation of stress ulcers in the rat. Money SR, et al. **J Surg Res** 1986 Feb; 40(2):176–80

Acute and chronic polyarthritis induced by an aqueous form of 6–O–acyl and N–acyl derivatives of N–acetylmuramyl–L–alanyl–D–isoglutamine in euthymic rats and athymic nude rats. Kohashi O, et al.
Lab Invest 1986 Sep;55(3):337–46

Effect of ipriflavone on the response of uterus and thyroid to estrogen. Yamazaki I. **Life Sci** 1986 Feb 24;38(8):757–64

Effects of exercise and physical fitness on the pituitary–thyroid axis and on prolactin secretion in male runners. Smallridge RC, et al. **Metabolism** 1985 Oct; 34(10):949–54

Effect of phosphorus deficiency on thyroid function and growth hormone in the white Leghorn male. Carew LB Jr, et al. **Poult Sci** 1985 Oct;64(10):2010–2

Concentration of corticosterone in adrenal glands of thyroidectomized rats during development. Montiel M, et al. **Rev Esp Fisiol** 1986 Mar;42(1):135–7

[Thymus–hypophysis–thyroid interrelation in rats after administration of a heterologous extract of thymus gland] Santangelo F, et al. **Ann Endocrinol (Paris)** 1985;46(6):411–3 (Eng. Abstr.) (Fre)

[Effect of thyroid status on microsomal enzymes during liver regeneration in the rat] Goudonnet H, et al.
C R Soc Biol (Paris) 1985;179(5):663–8 (Eng. Abstr.) (Fre)

[Effect of dietary supply of calcium on thyroid function in rats] Etling N, et al. **Reprod Nutr Dev** 1986;26(3):841–7 (Eng. Abstr.) (Fre)

[Physiopathologic studies of thyroid function in calves. 4: Thyroid function and parameters of defense against infection in the calf] Leirer R, et al.
Arch Exp Veterinarmed 1986 Mar;40(2):206–17 (Eng. Abstr.) (Ger)

[Effect of iodine, copper and zinc additions to the diet with a high proportion of coarse rape meal extract on the growth and thyroid function of fattening pigs. 1. The effect on fattening performance] Lüdke H, et al. **Arch Tierernahr** 1985 Dec;35(12):835–45 (Eng. Abstr.) (Ger)

[A study on the changes with age in thyroid function during infancy, childhood and adolescence] Shiki Y.
Nippon Naibunpi Gakkai Zasshi 1986 Mar 20;62(3):169–87 (Eng. Abstr.) (Jpn)

[Functional state of the thyroid gland during systemic graft vs host reaction] Kozlova TD, et al.
Biull Eksp Biol Med 1985 Nov;100(11):595–7 (Eng. Abstr.) (Rus)

[Characteristics of various parameters of the thyroid gland in persons living in endemic goiter locales] Dubynin OD, et al. **Gig Sanit** 1986 Mar;(3):79–80 (Rus)

[Hypothalamic monoamines and nonapeptides in the regulation of thyroid function in the early ontogeny of birds] Karpezo NA, et al. **Ontogenez** 1985 Nov–Dec; 16(6):589–96 (Eng. Abstr.) (Rus)

[Functional study of the hypophyseal–thyroid and adrenal systems in physiological pregnancy and late toxicosis] Tailmer KIa, et al. **Probl Endokrinol (Mosk)** 1985 Nov–Dec;31(6):16–21 (Eng. Abstr.) (Rus)

[Case of severe ophthalmopathy in euthyroidism] Zalevskaia AG, et al. **Probl Endokrinol (Mosk)** 1985 Nov–Dec; 31(6):40–1 (Rus)

[The pineal body and the thyroid gland] Rom–Bugoslavskaia ES. **Vestn Akad Med Nauk SSSR** 1985;(8):88–93 (70 ref.) (Rus)

[Age and thyroid function (radioimmunologic study)] Zakharieva B. **Vutr Boles** 1985;24(4):91–6 (Eng. Abstr.) (Rus)

[Relation between thyroidectomy and sialadenectomy on the sex behavior of the male rat] Fernández–Riestra A, et al.
Rev Esp Fisiol 1986 Mar;42(1):129–31 (Spa)

PHYSIOPATHOLOGY

"The low T3 syndrome" and impaired thyroid protein synthesis in experimental trauma. Madsen M, et al.
Acta Chir Scand 1986 Feb;152:91–6

Thyroid function in hyperemesis gravidarum. Bober SA, et al. **Acta Endocrinol (Copenh)** 1986 Mar;111(3):404–10

Mild hyperthyroidism with inappropriate secretion of TSH in postmenopausal women. Castro N, et al.
Acta Endocrinol (Copenh) 1986 Feb;111(2):204–8

Relationship between thyroid function and platelet counts. Endo Y. **Acta Haematol (Basel)** 1985;74(1):58–9

Neonatal thyroid function: prematurity, prenatal steroids, and respiratory distress syndrome. Franklin RC, et al.
Arch Dis Child 1986 Jun;61(6):589–92

Decreased thyroxine, triiodothyronine, and 5'–deiodination levels in malabsorption syndrome (runting or stunting syndrome) in artificially inoculated broilers. Rudas P, et al. **Avian Dis** 1986 Apr–Jun;30(2):293–7

Computer simulation for hormones related to primary thyropathy. Hatakeyama T, et al. **Biol Cybern** 1985; 52(4):259–66

Assessment of thyroid function: complications after treatment with fenoprofen. Gurney JR, et al.
Br Med J [Clin Res] 1986 Jun 14;292(6535):1560

The effect of tamoxifen therapy on thyroid function tests. Gordon D, et al. **Cancer** 1986 Oct 1;58(7):1422–5

Inappropriate thyrotrophin secretion, increased dopaminergic tone and preservation of the diurnal rhythm in serum TSH. Magee B, et al. **Clin Endocrinol (Oxf)** 1986 Feb;24(2):209–15

Thyroid function in uremic children—studies at various stages of nephron loss and during treatment with hemodialysis and/or CAPD. DeSanto NG, et al.
Contrib Nephrol 1985;49:56–62

Thyroid status during pregnancy and post partum in regions of iodine deficiency and endemic goiter. Bauch K, et al.
Endocrinol Exp (Bratisl) 1986 Mar;20(1):67–77

Effect of bromocriptine on serum TSH in euthyroid patients with endocrine disorders. Ishihara T, et al.
Endocrinol Jpn 1985 Oct;32(5):745–51

Thyroid function in women with breast cancer. Lemaire M, et al. **Eur J Cancer Clin Oncol** 1986 Mar;22(3):301–7

The thyroid–system function in preterm infants of postmenstrual ages of 31 weeks or less: evidence for a "transient lazy thyroid system". Eggermont E, et al.
Helv Paediatr Acta 1984 Aug;39(3):209–22

Papillary carcinoma and the solitary autonomously functioning nodule of the thyroid. Sobel RJ, et al.
Isr J Med Sci 1985 Nov;21(11):878–82

Thyroid function and histology in forty–five patients with hyperthyroid Graves' disease in clinical remission more than ten years after thionamide drug treatment. Hirota Y, et al. **J Clin Endocrinol Metab** 1986 Jan;62(1):165–9

Neonatal thyroid function: effects of nonthyroidal illness. Franklin R, et al. **J Pediatr** 1985 Oct;107(4):599–602

Thyroid function in critically ill children. Zucker AR, et al. **J Pediatr** 1985 Oct;107(4):552–4

Thyroid function and urine–concentrating ability during lithium treatment. Waller DG. **J Psychiatr Res** 1985; 19(4):569–71

Prospective evaluation of thyroid function in patients with systemic sclerosis (scleroderma). Kahl LE, et al.
J Rheumatol 1986 Feb;13(1):103–7

Masked thyroid dysfunction among elderly patients with atrial fibrillation. Tajiri J, et al. **Jpn Heart J** 1986 Mar; 27(2):183–90

Thyroid function in uremic children. De Santo NG, et al.
Kidney Int [Suppl] 1985 Dec;17:S166–9

Serum thyroid hormone binding inhibitor in nonthyroidal illnesses. Chopra IJ, et al. **Metabolism** 1986 Feb;35(2):152–9

Thyroid gland volume and thyroid function during and after acute hepatitis infection. Hegedüs L. **Metabolism** 1986 Jun; 35(6):495–8

Antithyroid drug therapy for Graves' disease during pregnancy. Optimal regimen for fetal thyroid status. Momotani N, et al. **N Engl J Med** 1986 Jul 3;315(1):24–8

Alterations in thyroid function in protein–calorie malnutrition. **Nutr Rev** 1986 Aug;44(8):270–3 (13 ref.)

Thyroid dysfunction in protein–calorie malnutrition. Ingenbleek Y. **Nutr Rev** 1986 Aug;44(8):253–63 (100 ref.)

The TRH–induced TSH response in psychiatric patients: a possible neuroendocrine marker. Loosen PT.
Psychoneuroendocrinology 1985;10(3):237–60 (266 ref.)

Rehabilitation from neonatal hypothyroidism: spontaneous motor activity, exploratory behavior, avoidance learning and responses of pituitary—thyroid axis to stress in male rats. Tamasy V, et al. **Psychoneuroendocrinology** 1986; 11(1):91–103

The 3H–ouabain binding capacity of skeletal muscle from spontaneously hypertensive rats shows marginal changes in comparison to the major effects of differentiation, K–depletion and thyroid status. Kjeldsen K, et al.
Scand J Clin Lab Invest [Suppl] 1986;180:72–81

Thyroid function in gestational trophoblastic tumors. Vergadoro F, et al. **Tumori** 1986 Apr 30;72(2):205–9

Thyroid function in dengue fever, meningitis, encephalitis, poliomyelitis and other febrile conditions. Parshad O, et al. **West Indian Med J** 1986 Jun;35(2):126–9

Thyroid function after hemithyroidectomy for benign nodules. Cheung P, et al. **World J Surg** 1986 Aug; 10(4):718–23

[A comparative study of thyroid axis functioning in chronic bronchitis patients with deficiency of kidney yang or kidney yin] Shi G, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Mar;6(3):160–2, 132 (Eng. Abstr.) (Chi)

[Iodine metabolism and hypothalamic, pituitary and thyroid functions in residents in an endemic goiter area] Lu TZ.
Chung Hua I Hsueh Tsa Chih 1986 Jan;66(1):2–5 (Eng. Abstr.) (Chi)

[Effects of chronic fluorosis on the thyroid gland] Yu YN.
Chung Hua I Hsueh Tsa Chih 1985 Dec;65(12):747–9 (Chi)

[Thyroid function in thalassemia major] Depaz G, et al.
Ann Pediatr (Paris) 1985 Nov;32(9):809–11 (Eng. Abstr.) (Fre)

[Interpretation of thyroid tests in patients with systemic illnesses] Mirkine–Demeester N. **Rev Med Brux** 1986 Jun; 7(6):371–7 (Eng. Abstr.) (Fre)

[Assessment of thyroid parameters in aged patients with chronic diseases] Wernicke E. **ZFA** 1986 May–Jun; 41(3):139–41 (Eng. Abstr.) (Ger)

[Thyroid function in patients with PCB poisoning] Murai K, et al. **Fukuoka Igaku Zasshi** 1985 May;76(5):233–8 (Eng. Abstr.) (Jpn)

[Organ dysfunctions caused by cancer therapy in children] Bessho F. **Gan No Rinsho** 1985 Jul;31(9 Suppl):1231–9 (Eng. Abstr.) (Jpn)

[Function of the serotoninergic system of the thyrotoxic thyroid] Rom–Boguslavskaia ES, et al.
Biull Eksp Biol Med 1986 Feb;101(2):161–3 (Eng. Abstr.) (Rus)

[Adaptive reactions of the thyroid system in patients with ischemic heart disease to graded physical exertion] Pimenov LT. **Kardiologiia** 1985 Aug;25(8):30–5 (Eng. Abstr.) (Rus)

[Disorder of thyroid function in patients with cancer of the gastrointestinal tract] Vereshchagina GV, et al.
Med Radiol (Mosk) 1986 Jan;31(1):31–3 (Eng. Abstr.) (Rus)

[Function of the hypothalamo–hypophyseal–thyroid system in juvenile enlargement of the thyroid] Kasatkina EP, et al. **Probl Endokrinol (Mosk)** 1985 Nov–Dec;31(6):10–2 (Eng. Abstr.) (Rus)

[Functional state of the thyroid gland in primary hyperprolactinemia] Sabakhtarashvili MA, et al.
Sov Med 1986;(6):86–8 (Rus)

[Functional status of the thyroid gland in renal calculi complicated by chronic renal failure] Karaev ME, et al.
Urol Nefrol (Mosk) 1985 Jul–Aug;(4):32–5 (Eng. Abstr.) (Rus)

[Correction of thyroid function in psoriasis patients]

Sivachenko TP, et al. **Vestn Dermatol Venerol** 1985 Sep; (9):32–6 (Eng. Abstr.) **(Rus)**

[Several possible pathogenetic mechanisms of cerebral circulatory disorders] Buletsa BA.
Zh Nevropatol Psikhiatr 1985;85(9):1305–7 (Eng. Abstr.) **(Rus)**

[Thyroid function in children and adolescents with insulin–dependent diabetes] Nikezić M, et al.
Srp Arh Celok Lek 1985 Sep;113(9):749–62 (Eng. Abstr.) **(Scc)**

[Cystinosis and thyroid function in childhood] Rodríguez MD, et al. **Rev Clin Esp** 1986 Apr;178(6):268–70 (Eng. Abstr.) **(Spa)**

RADIATION EFFECTS

Thyroid and mammary radiobiology: radiogenic damage to glandular tissue. Clifton KH. **Br J Cancer [Suppl]** 1986; 7:237–50 (67 ref.)

Comparison of radiosensitivities of human autologous normal and neoplastic thyroid epithelial cells. Miller RC, et al. **Br J Radiol** 1986 Feb;59(698):127–30

Late cardiac, thyroid, and pulmonary sequelae of mantle radiotherapy for Hodgkin's disease. Morgan GW, et al. **Int J Radiat Oncol Biol Phys** 1985 Nov;11(11):1925–31

Long–term endocrine sequelae after treatment of medulloblastoma: prospective study of growth and thyroid function. Oberfield SE, et al. **J Pediatr** 1986 Feb; 108(2):219–23

Recovery from radiation–induced damage in primary cultures of human epithelial thyroid cells. Miller RC, et al. **J Radiat Res (Tokyo)** 1985 Sep;26(3):346–52

Survival characteristics of normal differentiated rat thyroid cells maintained in vitro. Brosing JW, et al. **Radiat Res** 1986 Feb;105(2):138–46

[Involvement of thyroid and parathyroid glands following irradiation of laryngeal cancer] Poulsen P, et al.
Ugeskr Laeger 1985 Dec 16;147(51):4188–90 (Eng. Abstr.) **(Dan)**

[Thyroid function after treatment of cancer of the upper respiratory and digestive tract] Dubin J, et al.
Rev Laryngol Otol Rhinol (Bord) 1986;107(1):21–3 (Eng. Abstr.) **(Fre)**

[Ostium stenosis of both coronary arteries and latent hypothyroidism as sequelae of radiotherapy in Hodgkin disease] Stegaru–Hellring B, et al. **Z Kardiol** 1985 Aug; 74(8):485–8 (Eng. Abstr.) **(Ger)**

[X–ray exposure levels in the CT examination of the mandible] Ida M, et al. **Kokubyo Gakkai Zasshi** 1985 Dec; 52(4):694 **(Jpn)**

[The effect of small doses of ionizing radiation on the cAMP system in the thyroid gland of chick embryos] Khozhiakhmedov GKh, et al. **Radiobiologiia** 1986 Jul–Aug; 26(4):514–6 (Eng. Abstr.) **(Rus)**

[Postradiation changes in the thyroid gland and skeletal muscle after exposure to iodine–131] Vatulina GG, et al. **Radiobiologiia** 1986 Jul–Aug;26(4):499–505 (Eng. Abstr.) **(Rus)**

[Structuro–functional characteristics of the T– and B–systems of immunity in response to decimeter waves in the region of the thymus, thyroid and parathyroid glands] Evstropov VM. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Jan–Feb; (1):39–41 (Eng. Abstr.) **(Rus)**

[Efficacy of the exposure of the thyroid gland to decimeter–range microwaves in peptic ulcer of the stomach and duodenum] Rudol DG, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 1986 Mar–Apr; (2):59–61 **(Rus)**

RADIOGRAPHY

Computed tomography of the thyroid gland. Vette JK.
Acta Endocrinol [Suppl] (Copenh) 1985;268:1–82

[Clinical application of thyroid lymphography] Xu HZ, et al. **Sun Chuan I Hsueh Yuan Hsueh Pao** 1985 Jun; 16(2):153–7 (Eng. Abstr.) **(Chi)**

[Computed tomographic determination of thyroid iodine concentration in an endemic goiter area] Joseph K, et al.
ROPO 1986 Apr;144(4):417–21 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Discordant findings in technetium–99m pertechnetate and iodine–123 thyroid imaging caused by vascular retention in the superior vena cava. Burke TS, et al.
Clin Nucl Med 1985 Oct;10(10):716–8

Thyroidal uptake of iodine–123 in children using a gamma camera and computer. Heyman S. **Clin Nucl Med** 1985 Oct; 10(10):690–3

Thyroid scintigraphy for the detection of radiation–induced thyroid cancer. Puylaert JB, et al. **Clin Nucl Med** 1985 Sep;10(9):646–9

"Fish–eye sign" in scintigraphy of benign thyroid nodule. Vaqueiro M, et al. **Clin Nucl Med** 1985 Nov;10(11):817–8

Graves' disease. Initial presentation with exophthalmos and solitary hot nodule. Vento JA, et al. **Clin Nucl Med** 1986 Jun;11(6):404–6

Thallium/technetium functional imaging of the thyroid and parathyroid. A case report. Ziessman HA, et al.
Clin Nucl Med 1985 Dec;10(12):865–7

Improved quality and information in thyroid scintigraphy. Bähre M, et al. **Eur J Nucl Med** 1985;11(6–7):194–7

The role of thyroid scanning in hyperthyroidism. Fogelman I, et al. **Eur J Nucl Med** 1986;11(10):397–400

Esophageal dischalasia: serendipity during 99mTc thyroid scan. Iorio F, et al. **Eur J Nucl Med** 1986;11(12):505–6

Tomographic imaging of the human thyroid with a positron camera before and after partial thyroidectomy. Frey P, et al. **Eur Surg Res** 1985;17(6):347–51

Tomographic imaging of the human thyroid using 124I. Frey P, et al. **J Clin Endocrinol Metab** 1986 Oct;63(4):918–27

Technetium thyroid uptake ratios in pediatric Graves disease. Duck SC, et al. **J Pediatr** 1985 Dec;107(6):905–9

Ion microscopy of the thyroid gland: a method for imaging stable and radioactive iodine. Berry JP, et al.
Lab Invest 1986 Jul;55(1):109–19

Technetium 99m pertechnetate thyroid scintigraphy: congenital hypothyroid screening. Wells RG, et al.
Pediatr Radiol 1986;16(5):368–73

Radionuclide purity and radiation dosimetry of 124I used in positron tomography of the thyroid. Akbari RB, et al. **Phys Med Biol** 1986 Jul;31(7):789–91

Thallium–201 radioactive implant induced X–ray emission scanning of stable iodine distribution in thyroid—phantom experiment. Amano R, et al. **Radioisotopes** 1986 May; 35(5):266–9

Iodine 131 total body scan—extrathyroidal uptake of radioiodine. Wu SY, et al. **Semin Nucl Med** 1986 Jan; 16(1):82–4

[Scintigraphy of the thyroid gland with technetium 99m pertechnetate] Pedersen DM, et al. **Ugeskr Laeger** 1986 Jan 13;148(3):131–2 (Eng. Abstr.) **(Dan)**

[Surgical indications for scintigraphically cold thyroid nodules in relation to clinical, scintigraphic, sonographic and cytologic findings] Spiegel W, et al.
Dtsch Med Wochenschr 1986 Jan 31;111(5):173–6 (Eng. Abstr.) **(Ger)**

[The suppression test in the control of the course of antithyroid drug therapy: renaissance of an in vivo nuclear medicine procedure?] Reiners C, et al. **Nuklearmedizin** 1985 Jun;24(3):135–40 (Eng. Abstr.) **(Ger)**

[Evaluation of exposure of the population to ionizing radiation during diagnostic radioisotope examination of the thyroid gland after in vivo administration of NaI(I–131)] Staniszewska MA, et al. **Pol Przegl Radiol (Warszawa)** 1984 Nov–Dec;48(6):413–7 (Eng. Abstr.) **(Pol)**

SECRETION

T3 releasing activity by Graves' sera from Graves' thyroid in vitro. Hoermann R, et al. **Acta Endocrinol (Copenh)** 1986 Apr;111(4):487–93

Hyperfunctioning thyroid nodules in children and adolescents. de Luca F, et al. **Acta Paediatr Scand** 1986 Jan;75(1):118–23

Effects of the calcium channel activator BAY–K–8644 on in vitro secretion of calcitonin and parathyroid hormone. Cooper CW, et al. **Endocrinology** 1986 Feb;118(2):545–9

Effects of estradiol and progesterone on calcitonin secretion. Greenberg C, et al. **Endocrinology** 1986 Jun;118(6):2594–8

Secretion of sulfated thyroglobulin. Herzog V.
Eur J Cell Biol 1986 Jan;39(2):399–409

Experimental study of the effect of ultrasound on the activity of some endocrine glands in a prolonged experiment. Shtereva S. **Folia Med (Plovdiv)** 1984;26(4):42–5

Ultrasonic effect on adrenal and thyroid gland activity. Shtereva S. **Folia Med (Plovdiv)** 1984;26(4):36–41

VIP and hormone secretion from thyroidal follicular and C–cells. Laurberg P. **Horm Metab Res** 1986 Apr; 18(4):230–3

Cyclic AMP release from perfused dog thyroid lobes as a sensitive indicator of TSH activation of the secretion process. Evidence for two types of thyroid secretion latency. Laurberg P. **Horm Metab Res** 1985 Dec; 17(12):650–4

Morphine induced thyroxine release from rat thyroid gland in vitro. Tal E, et al. **Horm Metab Res** 1986 Apr; 18(4):238–40

Plasma calcitonin in primary hyperparathyroidism: failure of C–cell response to sustained hypercalcemia. Tiegs RD, et al. **J Clin Endocrinol Metab** 1986 Sep;63(3):785–8

Seasonal influence on thyroidal response to thyrotrophin–releasing hormone in cattle and buffaloes. Khurana ML, et al. **J Endocrinol** 1986 Jan;108(1):57–61

Influence of the calcium ionophores A23187 and X537A on calcitonin secretion from the isolated perfused porcine thyroid. Pento JT. **Mol Cell Endocrinol** 1986 Apr; 45(1):71–5

Cholinergic and VIPergic effects on thyroid hormone secretion in the mouse. Ahrén B. **Peptides** 1985 Jul–Aug; 6(4):585–9

Secretion of calcitonin gene–related peptide from baby rat thyroid glands in vitro. Cooper CW, et al.
Proc Soc Exp Biol Med 1985 Dec;180(3):562–6

[Effect of alpha–blocking agent on thyroid function during neuroleptanesthesia in man] Matsuki A, et al. **Masui** 1986 Apr;35(4):587–92 (Eng. Abstr.) **(Jpn)**

[Studies on the thyrotropic activity of hCG and its derivatives] Takeuchi Y, et al.
Nippon Naibunpi Gakkai Zasshi 1985 Nov 20; 61(11):1228–38 (Eng. Abstr.) **(Jpn)**

[Hormonal evaluation of the functional state of the gonads, thyroid and adrenal glands in obese children] Krawczuk–Rybakowa M, et al. **Pediatr Pol** 1985 Aug; 60(8):558–64 (Eng. Abstr.) **(Pol)**

[Functional state of the hypophyseal–thyroid system in severe forms of late pregnancy toxemia] Novikova RI, et al.
Akush Ginekol (Mosk) 1986 Apr;(4):37–40 (Eng. Abstr.) **(Rus)**

SURGERY

Surgical strategy in thyroid carcinoma: a clinical review. Lennquist S. **Acta Chir Scand** 1986 May;152:321–38 (120 ref.)

Cricoid resection and thyrotracheal anastomosis in the growing primate. Fearon B, et al.
Ann Otol Rhinol Laryngol 1985 Nov–Dec;94(6 Pt 1):631–3

Anesthesia for thyroid surgery. Mercer DM, et al.
Ear Nose Throat J 1985 Aug;64(8):375–8

Laryngeal nerve injury during thyroid surgery. Clouse R, et al. **J Ky Med Assoc** 1985 Oct;83(10):545–8

[Changes in the levels of reverse triiodothyronine (rT3) during and after surgery of the thyroid gland] Sturniolo G, et al. **Minerva Med** 1986 May 19;77(21):923–5 (Eng. Abstr.) **(Ita)**

TRANSPLANTATION

A comparative study of transplant sites for endocrine tissue transplantation in the pig. Simeonovic CJ, et al.
Aust J Exp Biol Med Sci 1986 Feb;64 (Pt 1):37–41

Rejection of cultured thyroid allografts by the transfer of sensitized LYT 2+ T cells. Warren HS, et al.
Transplantation 1986 Apr;41(4):421–6

[Transplantation of the vascularized thyroid and parathyroid and nursing care] Xie XJ. **Chung Hua Hu Li Tsa Chih** 1985 Oct;20(5):264–5 **(Chi)**

ULTRASTRUCTURE

Bimodal variations in subcellular structures of rat thyroid follicular cells during 24 hours: fine structural and morphometric studies. Murakami G, et al. **Am J Anat** 1986 Jan;175(1):1–13

Fluctuations in follicular structures of rat thyroid glands during 24 hours: fine structural and morphometric studies. Uchiyama Y, et al. **Am J Anat** 1986 Jan;175(1):23–33

Changes in colloid droplets and dense bodies in rat thyroid follicular cells during 24 hours: fine structural and morphometric studies. Uchiyama Y, et al. **Am J Anat** 1986 Jan;175(1):15–22

Ultrastructure and cytochemistry of thyroid lysosomes following subtotal thyroidectomy. Krupp PP, et al.
Anat Rec 1986 Feb;214(2):177–82

Isolation of pig thyroid lysosomes. Biochemical and morphological characterization. Alquier C, et al.
Biochem J 1985 Dec 1;232(2):529–37

Ultrastructural changes in the rat thyroid gland during iodine deficiency. Beaumont A, et al. **Biol Cell** 1985;54(2):177–80

Fine structural aspects of the shift of zonula occludens and cytoorganelles during the inversion of cell polarity in cultured porcine thyroid follicles. Kitajima K, et al.
Cell Tissue Res 1985;242(1):221–4

Thyrotropin (TSH) binding activities in bovine thyroid tissue: possible role of adenosine 3',5'–monophosphate dependent phosphorylation of thyroid plasma membranes in TSH receptor degradation. Hashizume K, et al.
Endocrinol Jpn 1985 Aug;32(4):569–75

Formation of intracellular lumina in dispersed pig thyroid cells. Rousset B, et al. **Eur J Cell Biol** 1986 Jan;39(2):432–42

Autoradiographical portrayal of TSH receptors in human thyroid gland tissues. Müller HW, et al.
Horm Metab Res 1985 Nov;17(11):619–20

Oxyphil cells in thyroid disease: a uniform change? Kendall CH, et al. **J Clin Pathol** 1986 Aug;39(8):908–12

Hürthle–cell lesions of the thyroid: a combined study using transmission electron microscopy, scanning electron microscopy, and immunocytochemistry. Nesland JM, et al.
Ultrastruct Pathol 1985;8(4):269–90

[Crystalline inclusions of the mouse thyroid. Effect of chronic treatment with lithium gluconate] Siami K, et al.
Acta Anat (Basel) 1986;125(3):165–73 (Eng. Abstr.) **(Fre)**

[Methods of elementary analysis in biology: a new dimension in the characterization of the functional state of cells (2)]
Biochimie 1985 Jul–Aug;67(7–8):IX–XVII **(Fre)**

[Application of electron energy loss spectroscopy microanalysis to the study of the spatial distribution of iodine atoms in the lysosomes of thyroid cells in mice] Larras–Regard E. **C R Soc Biol (Paris)** 1985;179(5):586–90 (Eng. Abstr.) **(Fre)**

[Antigenic properties, thyrotropin receptor and enzymatic activity of thyroid cell membranes exposed to the action of glutaraldehyde] Adler G. **Endokrynol Pol** 1985; 36(5):243–50 (Eng. Abstr.) **(Pol)**

THYROID GLAND, DESICCATED see under **THYROID HORMONES**

THYROID HORMONES

see related
THYROGLOBULIN

Conformational analysis of erythrosine B (FD&C Red No. 3) and its comparison with thyroid hormone structures. Cody V. **Endocr Res** 1985;11(3–4):211–24

ADMINISTRATION & DOSAGE

Alternative routes of peptide hormone administration. Pontiroli AE, et al. **Spec Top Endocrinol Metab** 1985;

7:77–99 (120 ref.)

ADVERSE EFFECTS

Bone loss in hypothyroidism with hormone replacement. A histomorphometric study. Coindre JM, et al. **Arch Intern Med** 1986 Jan;146(1):48–53

Thyroid replacement and osteoporosis [editorial] Perry HM 3d. **Arch Intern Med** 1986 Jan;146(1):41–2

[Hyperthyroidism in the thyroid hormone treatment of iodine deficiency goiter] Emrich D, et al. **Dtsch Med Wochenschr** 1986 Apr 11;111(15):577–81 (Eng. Abstr.) (Ger)

ANALYSIS

Immunohistochemical localization of thyroglobulin (Tg), thyroxine (T4), and triiodothyronine (T3) in thyroid diseases. Stefíneanu L, et al. **Acta Histochem (Jena)** 1986; 78(1):7–18

Thyroid function in young children with Down syndrome. Cutler AT, et al. **Am J Dis Child** 1986 May;140(5):479–83

Simultaneous observations of iodothyronine content in the thyroid gland, serum and thyroxine 5'- and 5-monodeiodinase activity in liver, during the neonatal period of the pig. Brzezińska-Slebodzińska E, et al. **J Dev Physiol** 1986 Apr;8(2):79–86

ANTAGONISTS & INHIBITORS

Evidence for an inhibition of thyroid hormone effects during chronic treatment with amiodarone. Beck-Peccoz P, et al. **Horm Metab Res** 1986 Jun;18(6):411–4

BIOSYNTHESIS

[Age and sex characteristics of the level of thyroid hormone synthesis in the Camborough hybrid] Georgiev P, et al. **Vet Med Nauki** 1986;23(2):43–7 (Eng. Abstr.) (Bul)

[Modulation of thyroid hormone synthesis by thyroglobulin] Lissitzky S. **Bull Acad Natl Med (Paris)** 1985 Feb; 169(2):261–6 (Eng. Abstr.) (Fre)

[Structure and function of thyroid follicular cells—biochemical and histochemical studies on the enzymes related to thyroid hormone synthesis] Matsubara F. **Rinsho Byori** 1985 Apr;33(4):406–20 (Jpn)

BLOOD

Thyroid hormones in generalized scleroderma. A controlled study. Serup J, et al. **Acta Derm Venereol (Stockh)** 1986; 66(1):35–8

Response of total and 'free' thyroid hormones and diiodotyrosine to bovine TSH in subclinical hypothyroidism. Benker G, et al. **Acta Endocrinol (Copenh)** 1986 Aug;112(4):509–16

Thyroid hormones in the human pregnancy. Tolino A, et al. **Acta Obstet Gynecol Scand** 1985;64(7):557–9

Seasonal changes in the plasma concentration of sexual steroids, corticosterone and thyroid hormone in the hen with special respect to the moulting period. Szelényi Z, et al. **Acta Vet Hung** 1985;33(3–4):189–98

Pituitary and thyroid hormones in pregnant alcohol-fed rats and their fetuses. Lee M, et al. **Alcoholism (NY)** 1986 Aug; 10(4):428–31

Alterations in vitamin A and thyroid hormone status in anorexia nervosa and associated disorders. Curran-Celentano J, et al. **Am J Clin Nutr** 1985 Dec; 42(6):1183–91

New indices for thyroid functional status, hormone binding, and peripheral hormone metabolism. Principal component analysis of 24,000 clinical data. Ichihara K, et al. **Am J Clin Pathol** 1986 Apr;85(4):469–78

Heredity and changes in hormones and metabolic rates with short-term training. Poehlman ET, et al. **Am J Physiol** 1986 Jun;250(6 Pt 1):E711–7

Serum thyroid hormones and tissue 5'-monodeiodinase activity in acutely thyroidectomized newborn lambs. Polk DH, et al. **Am J Physiol** 1986 Aug;251(2 Pt 1):E151–5

The influence of age and sex on tests of thyroid function. Franklyn JA, et al. **Ann Clin Biochem** 1985 Sep;22 (Pt 5):502–5

Serum thyroid hormones in the patient under intermittent peritoneal dialysis. Pérez A, et al. **Arch Invest Med (Mex)** 1985 Jul–Sep;16(3):255–60 (Eng, Spa)

Effect of glucose administration on thyroid hormones and oxygen consumption in normal and obese subjects. Pasquali R, et al. **Boll Soc Ital Biol Sper** 1986 Jan 31;62(1):119–26

Relationship between serum angiotensin-I-converting enzyme activity and free thyroid hormones: a marker of macrophage activity? Kuyl JM, et al. **Clin Chem** 1986 Aug; 32(8):1595

Estimation of free thyroid hormone concentrations in the clinical laboratory. Wilke TJ. **Clin Chem** 1986 Apr; 32(4):585–92 (100 ref.)

Discriminative ability of tests for free and total thyroid hormones in diagnosing thyroid disease. Wilke TJ, et al. **Clin Chem** 1986 Sep;32(9):1746–50

Diagnosis of hyperthyroidism: the newer biochemical tests. Seth J, et al. **Clin Endocrinol Metab** 1985 May;14(2):373–96

Free thyroid hormone levels and TSH response to TRH in patients with autonomous thyroid adenomata and normal T3 and T4. Lerro S, et al. **Clin Endocrinol (Oxf)** 1985 Oct; 23(4):373–8

Thyroid hormones in rats during long-term cold exposure and hypometabolic effect of reverse triiodothyronine on adrenaline induced thermogenesis. Vybíral S, et al. **Endocrinol Exp (Bratisl)** 1985 Sep;19(3):179–85

Effect of short-term lithium carbonate administration in hyperthyroidism, with or without associated ophthalmopathy. Bistriceanu M, et al. **Endocrinologie** 1986 Apr–Jun;24(2):109–13

Effects of an acute bacterial infection on serum thyroid hormones and nuclear triiodothyronine receptors in mice. Burgi U, et al. **Endocrinology** 1986 Aug;119(2):515–21

Fetal plasma insulin and thyroid hormone levels during acute in utero ethanol exposure in a maternal–fetal sheep model. Castro MI, et al. **Endocrinology** 1986 May;118(5):1735–42

Total and free serum thyroid hormone concentrations in fetal and adult pregnant and nonpregnant guinea pigs. Castro MI, et al. **Endocrinology** 1986 Feb;118(2):533–7

Epidermal growth factor: effect on circulating thyroid hormone levels in sheep. Corcoran JM, et al. **Endocrinology** 1986 Jul;119(1):214–7

Effects of vasoactive intestinal peptide on thyroid blood flow and circulating thyroid hormone levels in the rat. Huffman L, et al. **Endocrinology** 1986 Feb;118(2):550–7

Effect of pesticide on circulating thyroid hormone levels in the freshwater catfish, Heteropneustes fossilis (Bloch). Yadav AK, et al. **Environ Res** 1986 Feb;39(1):136–42

Evaluation of the pituitary-thyroidal axis in newborns undergoing exchange transfusion. Lanes R, et al. **Eur J Pediatr** 1986 Apr;145(1–2):70–2

The thyroid-system function in preterm infants of postmenstrual ages of 31 weeks or less: evidence for a "transient lazy thyroid system". Eggermont E, et al. **Helv Paediatr Acta** 1984 Aug;39(3):209–22

Serum and urine thyroid hormone levels in healthy preterm and small for date infants on the first and fifth day of life. Etling N, et al. **Helv Paediatr Acta** 1984 Aug;39(3):223–30

Effect of physical conditioning on measures of thyroid hormone action. Caron PJ, et al. **Horm Metab Res** 1986 Mar;18(3):206–8

Circulating thyroid hormones in primates with mild or severe hepatitis following liver transplantation. Kalk WJ, et al. **Horm Metab Res** 1986 May;18(5):323–6

Serum concentrations of total T4, T3, reverse T3 and free T4, T3 in moderately obese patients. Chomard P, et al. **Hum Nutr Clin Nutr** 1985 Sep;39(5):371–8

Preliminary observations on the effect of dietary brussels sprouts on thyroid function. McMillan M, et al. **Hum Toxicol** 1986 Jan;5(1):15–9

Amiodarone-induced thyroid dysfunction: diagnostic role of free serum thyroid hormone levels and pathogenetic significance of antithyroid antibodies. Foresti V, et al. **Int J Clin Pharmacol Res** 1986;6(3):241–7

Plasma thyroid hormones, growth and carcass measurements of genetically obese and lean pigs as influenced by thyroprotein supplementation. Yen JT, et al. **J Anim Sci** 1985 Sep;61(3):566–72

Evaluation of pituitary-thyroid axis response to acute myocardial infarction. De Marinis L, et al. **J Endocrinol Invest** 1985 Dec;8(6):507–11

Serum thyrotropin by ultrasensitive immunoradiometric assay and serum free thyroid hormones in pregnancy. Pacchiarotti A, et al. **J Endocrinol Invest** 1986 Apr; 9(2):185–9

Fatty acid induced changes in circulating total and free thyroid hormones: in vivo effects and methodological artefacts. Vermaak WJ, et al. **J Endocrinol Invest** 1986 Apr; 9(2):121–6

Role of the binding constants of thyroid hormone transport proteins for calculating free thyroid hormones. Fresco G, et al. **J Nucl Med Allied Sci** 1985 Jul–Sep;29(3):229–34

Effect of low zinc intakes on basal metabolic rate, thyroid hormones and protein utilization in adult men. Wada L, et al. **J Nutr** 1986 Jun;116(6):1045–53

Neonatal thyroid function: effects of nonthyroidal illness. Franklin R, et al. **J Pediatr** 1985 Oct;107(4):599–602

Thyroid status during postnatal maturation of the brain in mice genetically bred for differences in ethanol sensitivity. Disbrow JK, et al. **J Pharmacol Exp Ther** 1986 Jun; 237(3):874–80

Thyroid hormones and experimental cancer cachexia. Svaninger G, et al. **JNCI** 1986 Aug;77(2):555–61

The cause of low voltage QRS complex in primary hypothyroidism. Pericardial effusion or thyroid hormone deficiency? Tajiri J, et al. **Jpn Heart J** 1985 Jul;26(4):539–47

The effect of varying carbohydrate content of a very-low-caloric diet on resting metabolic rate and thyroid hormones. Mathieson RA, et al. **Metabolism** 1986 May; 35(5):394–8

Alterations in circulating thyroid hormones and thyrotropin in euthyroid patients with Graves' disease after total thyroidectomy: comparison between responders and nonresponders to TSH-releasing hormone. Tamai H, et al. **Metabolism** 1985 Nov;34(11):1024–8

Concentrations of thyroxine-binding globulin in sera and peritoneal dialysates in patients on chronic peritoneal ambulatory dialysis. Inaba M, et al. **Nephron** 1986; 42(1):58–61

Thyroid dysfunction in patients on regular hemodialysis: evaluation of the stable intrathyroidal iodine pool, incidence of goiter and free thyroid hormone concentration. Sennesael JJ, et al. **Nephron** 1985; 41(2):141–5

Relationship between cerebrospinal fluid somatostatin and peripheral thyroid hormones with carbamazepine treatment. Joffe RT, et al. **Neuropsychobiology** 1985; 14(3):115–7

Effect of asphyxia on free thyroid hormone levels in full term newborns. Borges M, et al. **Pediatr Res** 1985 Dec; 19(12):1305–7

Effect of a short-term oral administration of cimetidine and ranitidine on the basal and thyrotropin-releasing hormone-stimulated serum concentrations of prolactin, thyrotropin and thyroid hormones in healthy volunteers. A double-blind cross-over study. Perret G, et al. **Pharmacology** 1986;32(2):101–8

Circadian oscillations of thyroid hormones and insulin in the serum of fasting rats. Ahlersová E, et al. **Physiol Bohemoslov** 1986;35(3):233–41

Relationship of drinking water disinfectants to plasma cholesterol and thyroid hormone levels in experimental studies. Revis NW, et al. **Proc Natl Acad Sci USA** 1986 Mar;83(5):1485–9

Effect of carteolol, indenolol and metoprolol on the thyroid hormone of hyperthyroid patients. Yamamoto M, et al. **Tohoku J Exp Med** 1985 Aug;146(4):385–90

Hyperbaric liver dysfunction in saturation divers. Doran GR, et al. **Undersea Biomed Res** 1985 Jun;12(2):151–64

[Clinical implication of serum thyroid hormone level changes in cirrhosis of the liver] Hu RM, et al. **Chung Hua Nei Ko Tsa Chih** 1985 Jul;24(7):395–7, 445 (Eng. Abstr.) (Chi)

[Observations on post-operative changes in thyroid function in critical patients] Tang YL. **Chung Hua Wai Ko Tsa Chih** 1985 Oct;23(10):604–5, 637 (Eng. Abstr.) (Chi)

[Changes in free and total thyroid hormones and reverse T3 in adult male rats during fasting] Benita G, et al. **Ann Endocrinol (Paris)** 1985;46(6):407–9 (Eng. Abstr.) (Fre)

[Effects of acute ethanol intoxication on thyroid hormones in rats] Boerescu I, et al. **Physiologie** 1986 Apr–Jun; 23(2):125–9 (Fre)

[Monitoring prolonged treatment with amiodarone in the elderly. Value of the protirelin test (letter)] Galley P, et al. **Presse Med** 1986 Jun 14;15(24):1156–7 (Fre)

[Evaluation of thyroid function (letter)] Arlet P. **Rev Med Interne** 1986 Jan;7(1):92 (Fre)

[Determination of thyroid hormones in the plasma of laying hens using a modified radioimmunoassay] Schäfer K, et al. **DTW** 1985 Nov 26;92(11–12):459–61 (Eng. Abstr.) (Ger)

[The thyroid hormone system in mucoviscidosis] Knöpfle G. **Klin Padiatr** 1985 Nov–Dec;197(6):481–8 (Eng. Abstr.) (Ger)

[Thyroid hormones in women with liver cirrhosis] Grün R, et al. **Klin Wochenschr** 1985 Aug 16;63(16):752–61 (Eng. Abstr.) (Ger)

[Importance of thyroid hormone determination in the diagnosis of hyperthyroidism—significant improvement in medical assessment using decision theory results] Hess CF, et al. **Nuklearmedizin** 1985 Jun;24(3):127–34 (Eng. Abstr.) (Ger)

[Comparative histologic and hormonal studies of the thyroid gland with special reference to sudden infant death (SIDS)] Risse M, et al. **Z Rechtsmed** 1986;96(1):31–8 (Eng. Abstr.) (Ger)

[Effect of ethinyl estradiol sulfonate/norethisterone acetate on TSH, T4, TBC and the FT4 index in pubertal girls] Rudolf K, et al. **Zentralbl Gynakol** 1985;107(22):1364–9 (Eng. Abstr.) (Ger)

[Changes in thyroid hormone status after injections of iodinated contrast media] Piffanelli A, et al. **Radiol Med (Torino)** 1985 Sep;71(9):622–5 (Eng. Abstr.) (Ita)

[Nonthyroidal illness and thyroid hormones] Nagataki S. **Nippon Naika Gakkai Zasshi** 1985 Nov;74(11):1507–11 (Jpn)

[TBG, TSH and thyroid hormones in fetus] Tanaka M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Jan; 38(1):59–63 (Eng. Abstr.) (Jpn)

[Hypophyseal, thyroid and adrenal cortical hormone levels in the blood serum of newborn infants in the early neonatal period] Ametov AS, et al. **Pediatriia** 1985 Sep;(9):20–2 (Eng. Abstr.) (Rus)

[Significance of radioimmunologic methods in the diagnosis and evaluation of the effectiveness of the therapy in diseases of the thyroid gland] Matveenko EG, et al. **Sov Med** 1985; (7):108–12 (Rus)

[Psychosomatic development and levels of thyroid hormones in children with congenital hypothyroidism and substitution using 2 different preparations] Dluholucký S, et al. **Cesk Pediatr** 1986 May;41(5):259–63 (Eng. Abstr.) (Slo)

[Effect of the intravenous administration of amiodarone on the blood concentrations of thyroid hormones and thyrotropin (letter)] Rodríguez Espinosa J, et al. **Med Clin (Barc)** 1985 Oct 12;85(11):475 (Spa)

[Hormonal and lipid changes in patients with chronic renal insufficiency in hemodialysis (letter)] Simó R, et al. **Med Clin (Barc)** 1986 Apr 5;86(13):566–7 (Spa)

[Subacute thyroiditis. Clinical, hormonal, aspiration biopsy and immunologic study in 16 cases] Bellido D, et al. **Rev Clin Esp** 1985 Nov;177(7):314–7 (Eng. Abstr.) (Spa)

[Serum levels of thyroid hormones in alcoholic subjects

without hepatic insufficiency] Bunout D, et al. **Rev Med Chil** 1985 Aug;113(8):738–43 (Eng. Abstr.) **(Spa)**

DEFICIENCY

Structural and functional impairment of adrenergic input to intraocular cerebellar grafts during thyroid hormone deficiency. Granholm AC, et al. **Cent Nerv Syst Trauma** 1984 Winter;1(2):105–15

GENETICS

Effect of hypothyroidism on pituitary cytoplasmic concentrations of messenger RNA encoding thyrotrophin beta and alpha subunits, prolactin and growth hormone. Franklyn JA, et al. **J Endocrinol** 1986 Jan;108(1):43–.

METABOLISM

Influence of anticonvulsant drugs on thyroid hormones in epileptic children. Ilyés I, et al. **Acta Paediatr Hung** 1985; 26(4):307–10

Meal-induced brown fat thermogenesis and thyroid hormone metabolism in rats. Glick Z, et al. **Am J Physiol** 1985 Nov; 249(5 Pt 1):E519–24

Multiple thyroid hormone binding sites on rat liver nuclear envelopes. Venkatraman JT, et al. **Biochem Biophys Res Commun** 1985 Oct 15;132(1):35–41

The effects of amiodarone on the electrocardiogram of the guinea-pig are not explained by interaction with thyroid hormone metabolism alone. Stäubli M, et al. **Br J Pharmacol** 1986 Jun;88(2):405–10

Effects of maternal hypothyroidism on the weight and thyroid hormone content of rat embryonic tissues, before and after onset of fetal thyroid function. Morreale de Escobar G, et al. **Endocrinology** 1985 Nov;117(5):1890–900

Acute thyroid hormone withdrawal rapidly increases the thyrotropin beta and alpha-subunit messenger ribonucleic acids in mouse thyrotropic tumors. Ross DS, et al. **Endocrinology** 1986 Mar;118(3):1006–10

Association between regularly occurring complex partial seizures and thyroid function parameters. Taubøll E, et al. **Epilepsia** 1986 Jul–Aug;27(4):419–22

Immunohistochemistry of thyroid hormones as a functional parameter in thyroid pathology. Taşcă C, et al. **Morphol Embryol (Bucur)** 1985 Oct–Dec;31(4):261–8

Serum and peritoneal dialysate thyroid hormone levels in patients on continuous ambulatory peritoneal dialysis. Kerr DJ, et al. **Nephron** 1986;43(3):164–8

Effects of desethylamiodarone on thyroid hormone metabolism in rats: comparison with the effects of amiodarone. Venkatesh N, et al. **Proc Soc Exp Biol Med** 1986 Feb;181(2):233–6

[The effect of aging on thyroid hormone metabolism and its clinical implications] Krenning EP, et al. **Ned Tijdschr Geneeskd** 1986 Feb 8;130(6):249–53 **(Dut)**

[Euthyroid sick syndrome] Flattet A, et al. **Schweiz Med Wochenschr** 1986 Feb 8;116(6):169–72 (Eng. Abstr.) **(Fre)**

[The low T3 syndrome in the aged. Physiopathologic, clinical and therapeutic considerations] Mancinella A. **Clin Ter** 1985 Nov 15;115(3):193–9 (32 ref.) (Eng. Abstr.) **(Ita)**

[Thyroid hormones] Morita S, et al. **Nippon Rinsho** 1986 Jan; 44(1):135–40 (37 ref.) **(Jpn)**

[Induction of Ca2+ ion transport in human thrombocytes as affected by thyroid hormone receptors from malignant transformed cells] Azimova ShS, et al. **Biull Eksp Biol Med** 1986 Aug;102(8):226–8 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effect of thyroid hormone levels upon pancreatic islet function. Cortizo AM, et al. **Acta Physiol Pharmacol Latinoam** 1985;35(2):181–91

Interactions of beta-adrenoceptor antagonists and thyroid hormones in the control of heart rate in the dog. Allely MC, et al. **Br J Pharmacol** 1985 Oct;86(2):393–8

Selective inhibitory effects of thyroid hormones on estrogen-induced protein synthesis in chick embryo liver. Elbrecht A, et al. **Can J Biochem Cell Biol** 1985 Dec; 63(12):1206–11

Lack of effects of thyroid hormones on human erythrocyte acetylcholine esterase. Tomoda A, et al. **Endocrinol Jpn** 1985 Oct;32(5):753–7

Beta-endorphin and its congeners in rat pituitary and thyroid: effects of propylthiouracil and thyroid hormone administration. Cheng MC, et al. **Endocrinology** 1986 Aug; 119(2):642–7

Regulation of thyroxine 5'-deiodinase by thyroid hormones and activators of protein kinase C in GH4C1 cells. Koenig RJ. **Endocrinology** 1986 Apr;118(4):1491–7

Hormonal control of a low Km (type II) iodothyronine 5'-deiodinase in cultured NB41A3 mouse neuroblastoma cells. St. Germain DL. **Endocrinology** 1986 Aug; 119(2):840–6

Regulation of hepatic gene expression by lipogenic diet and thyroid hormone. Towle HC, et al. **Fed Proc** 1986 Aug; 45(9):2406–11 (27 ref.)

Thyroid hormones stimulate the release of hepatic lipase from cultured rat hepatocytes. Hansson P, et al. **Horm Metab Res** 1986 Feb;18(2):107–9

Adrenal medullary responses to insulin-induced hypoglycaemia in the young rat. Influence of thyroid hormones. Gripois D, et al. **J Auton Nerv Syst** 1986 Feb; 15(2):165–78

Hormonal regulation of lipogenic enzymes in chick embryo hepatocytes in culture. Thyroid hormone and glucagon regulate malic enzyme mRNA level at post-transcriptional steps. Back DW, et al. **J Biol Chem** 1986 Sep 25; 261(27):12555–61

5'-Flanking DNA of the rat growth hormone gene mediates regulated expression by thyroid hormone. Casanova J, et al. **J Biol Chem** 1985 Sep 25;260(21):11744–8

Rapid synergistic interaction between thyroid hormone and carbohydrate on mRNAS14 induction. Mariash CN, et al. **J Biol Chem** 1986 Jul 25;261(21):9583–6

Developmental and thyroid hormone regulation of two molecular forms of Na+-K+-ATPase in brain. Schmitt CA, et al. **J Biol Chem** 1986 Aug 5;261(22):10439–44

Glucocorticoids and thyroid hormones stimulate biochemical and morphological differentiation of human fetal lung in organ culture. Gonzales LW, et al. **J Clin Endocrinol Metab** 1986 Apr;62(4):678–91

Effects of thyroid hormone on cardiac size and myosin content of the heterotopically transplanted rat heart. Klein I, et al. **J Clin Invest** 1986 May;77(5):1694–8

In vitro effects of thyroid hormones on red blood cell Ca+ +-dependent ATPase activity. Costante G, et al. **J Endocrinol Invest** 1986 Feb;9(1):15–20

Kinetic studies on the stimulation of Na+-H+ exchange activity in renal brush border membranes isolated from thyroid hormone-treated rats. Kinsella JL, et al. **J Membr Biol** 1986;91(2):183–91

Differential effects of thyroid hormone on T-tubules and terminal cisternae in rat muscles: an electrophysiological and morphometric analysis. Dulhunty AF, et al. **J Muscle Res Cell Motil** 1986 Jun;7(3):225–36

Trials of culturing of Mycobacterium leprae using media enriched with thyroid hormones. Masaaki W, et al. **Mater Med Pol** 1983 Jan–Jun;15(1–2):13–4

Thyroid hormone opposes some glucocorticoid effects on glycogen content and lipid synthesis in developing fetal rat lung. Rooney SA, et al. **Pediatr Res** 1986 Jun; 20(6):545–50

The effects of thyroid hormones on 3H-ouabain binding site concentration, Na,K-contents and 86Rb-efflux in rat skeletal muscle. Kjeldsen K, et al. **Pflugers Arch** 1986 May; 406(5):529–35

Supplemental thyroid hormones and hatchability of turkey eggs. Christensen VL. **Poult Sci** 1985 Nov;64(11):2202–10

All members of the MHC multigene family respond to thyroid hormone in a highly tissue-specific manner. Izumo S, et al. **Science** 1986 Feb 7;231(4738):597–600

[Induction of cytosolic proteins controlling mitochondrial protein synthesis by thyroid hormone] Hashizume K, et al. **Nippon Naibunpi Gakkai Zasshi** 1985 Nov 20; 61(11):1249–58 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Postnatal development of pulmonary alveoli: modulation in rats by thyroid hormones. Massaro D, et al. **Am J Physiol** 1986 Jan;250(1 Pt 2):R51–5

Hormone regulation of cardiac energy metabolism. I. Creatine transport across cell membranes of euthyroid and hyperthyroid rat heart. Seppet EK, et al. **Biochem Med** 1985 Dec;34(3):267–79

Computer simulation for hormones related to primary thyropathy. Hatakeyama T, et al. **Biol Cybern** 1985; 52(4):259–66

Adrenal phenylethanolamine-N-methyltransferase activity in the young rat: influence of thyroid hormones and insulin-induced hypoglycemia. Gripois D, et al. **Biol Neonate** 1986;49(4):219–23

Permanent defects in rat peripheral auditory function following perinatal hypothyroidism: determination of a critical period. Hébert R, et al. **Brain Res** 1985 Dec; 355(2):161–70

Influence of thyroid hormones on rat cerebellar cell aggregation and survival in culture. Sarafian T, et al. **Brain Res** 1986 May;391(2):261–70

Effect of thyroid status on lung and heart beta-adrenergic receptors in fetal and newborn sheep. Padbury JF, et al. **Dev Pharmacol Ther** 1986;9(1):44–53

Thyroid-dependent maturation of neonatal brain but not lung epidermal growth factor receptors. Sadiq HF, et al. **Dev Pharmacol Ther** 1985;8(5):292–301

Thyroid hormone regulation of thyrotropin alpha- and beta-subunit gene transcription. Gurr JA, et al. **DNA** 1985 Aug;4(4):301–7

The differential effects of thyroid and gonadal hormones on substance P content in the anterior pituitary of the prepubertal rat. Coslovsky R, et al. **Endocrinology** 1985 Nov;117(5):2198–202

Regulation of thyrotropin (TSH) bioactivity by TSH-releasing hormone and thyroid hormone. Menezes-Ferreira MM, et al. **Endocrinology** 1986 May; 118(5):2125–30

Thyroid hormone regulation of epidermal growth factor receptor levels in mouse mammary glands. Vonderhaar BK, et al. **Endocrinology** 1986 Aug;119(2):580–5

Effect of thyroid hormones on plasma protein concentrations in man. Graninger W, et al. **J Clin Endocrinol Metab** 1986 Aug;63(2):407–11

Glucoregulatory function of thyroid hormones: interaction with insulin depends on the prevailing glucose concentration. Müller MJ, et al. **J Clin Endocrinol Metab** 1986 Jul;63(1):62–71

Thyroid hormone modulation of VIP's induced salivary secretion in the submaxillary glands of rats. Tumilasci OR, et al. **J Endocrinol Invest** 1986 Feb;9(1):51–5

The effects of thyroid hormones on the formation of stress ulcers in the rat. Money SR, et al. **J Surg Res** 1986 Feb; 40(2):176–80

Thyroid hormones modulate the toxicity of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD). Rozman K, et al. **J Toxicol Environ Health** 1985;16(3–4):481–91

Effects of nonthyroidal illness on thyroid function. Tibaldi JM, et al. **Med Clin North Am** 1985 Sep;69(5):899–911

Obesity and hormonal factors in sleep and sleep apnea. Wittels EH. **Med Clin North Am** 1985 Nov;69(6):1265–80 (95 ref.)

Relationship of thyroid hormones and norepinephrine to the lateral hypothalamic syndrome. Kaufman LN, et al. **Metabolism** 1986 Sep;35(9):847–51

Adrenal dopamine beta-hydroxylase induction in the young rat: influence of thyroid hormones. Gripois D, et al. **Mol Cell Endocrinol** 1986 Apr;45(1):77–80

Hormones and lung maturation. Ballard PL. **Monogr Endocrinol** 1986;28:1–354 (999 ref.)

Sites of thyroid hormone action on Na-K-ATPase along the rabbit nephron. Barlet C, et al. **Pflugers Arch** 1985 Sep; 405(1):52–7

Effects of ambient temperature and thyroid hormones on food intake by pigs. Macari M, et al. **Physiol Behav** 1986; 36(6):1035–9

Thyroid hormone receptors in fetal and hormone resistant tissues. Bernal J, et al. **Scand J Clin Lab Invest** 1985 Nov; 45(7):577–83 (52 ref.)

[Role of thyroid hormones in the pathogenesis of myocardial hypertrophy] Popova N, et al. **Eksp Med Morfol** 1985; 24(4):1–6 (Eng. Abstr.) **(Bul)**

[Effect of thyroid hormones on lipogenic liver enzymes in relation to age] Rassoul F, et al. **ZFA** 1986 Jul–Aug; 41(4):207–11 (Eng. Abstr.) **(Ger)**

[Effect of different levels of thyroid hormones on the fatty acid composition of lipids from rat liver mitochondria] Ismailkhodzhaeva G, et al. **Biokhimiia** 1986 Jan;51(1):80–3 (Eng. Abstr.) **(Rus)**

[Effect of thyroid hormone receptors in normal and cancerous cells on the ionic conductivity of bilayer phospholipid membranes] Azimova ShS, et al. **Biol Nauki** 1986;(5):26–30 (Eng. Abstr.) **(Rus)**

[Possible regulation of the basic metabolism by thyroid hormones through changes in the sensitivity of mitochondria to cytoplasmic glycopeptide which induces electrogenic anion transport] Galnutdinov MKh, et al. **Dokl Akad Nauk SSSR** 1986 Mar–Apr;287(1):220–2 **(Rus)**

[Mechanisms of hormonal regulation of blood glucose in thyrotoxicosis] Kandror VI, et al. **Probl Endokrinol (Mosk)** 1985 Sep–Oct;31(5):41–5 (Eng. Abstr.) **(Rus)**

[Regulation of aldosterone secretion in thyrotoxicosis. Thyroid hormones as possible stimulators of the activity of the renin-angiotensin-aldosterone system] Rom-Bugoslavskaia ES, et al. **Probl Endokrinol (Mosk)** 1986 Mar–Apr;32(2):13–6 (Eng. Abstr.) **(Rus)**

[Cytoreceptors in the molecular mechanisms of hormone action] Rozen VB. **Probl Endokrinol (Mosk)** 1985 Sep–Oct; 31(5):21–6 (Eng. Abstr.) **(Rus)**

SECRETION

Release of thyroid hormone from circulating thyroglobulin in the rat. Taura M, et al. **Acta Endocrinol (Copenh)** 1986 Feb;111(2):209–12

Thyroid neuroendocrinology: neural regulation of thyroid hormone secretion. Ahrén B. **Endocr Rev** 1986 May; 7(2):149–55 (88 ref.)

Effect of cyclophosphamide on thyroid gland in mice and guinea pig. Staykova M, et al. **Endocrinol Exp (Bratisl)** 1985 Dec;19(4):237–44

Effects of norepinephrine on basal and thyrotropin-stimulated thyroid hormone secretion in the mouse. Ahrén B, et al. **Endocrinology** 1986 Sep; 119(3):1058–62

Peptide histidine isoleucine amide stimulates thyroid hormone secretion and coexists with vasoactive intestinal polypeptide in intrathyroid nerve fibers from laryngeal ganglia. Grunditz T, et al. **Endocrinology** 1986 Feb; 118(2):783–90

VIP and hormone secretion from thyroidal follicular and C-cells. Laurberg P. **Horm Metab Res** 1986 Apr; 18(4):230–3

[Hormonal studies in diseases of the cardiovascular system] Kokot F, et al. **Kardiol Pol** 1985;28(10):644–60 **(Pol)**

THERAPEUTIC USE

Thyroid labeling error [letter] Heflin KC. **Drug Intell Clin Pharm** 1985 Dec;19(12):945

Head circumference, height, bone age and weight in 103 children with congenital hypothyroidism before and during thyroid hormone replacement. Bucher H, et al. **Helv Paediatr Acta** 1985 Sep;40(4):305–16

Persistent pituitary resistance to thyroid hormone in congenital versus later-onset hypothyroidism. Cavaliere H,

et al. **J Endocrinol Invest** 1985 Dec;8(6):527–32

Decrease in resting metabolic rate during rapid weight loss is reversed by low dose thyroid hormone treatment. Welle SL, et al. **Metabolism** 1986 Apr;35(4):289–91

[Aldosterone content and renin activity in the plasma of hypothyroidism patients before and during treatment with thyroid preparations] Egart FM, et al.
Probl Endokrinol (Mosk) 1986 Jan–Feb;32(1):35–8 (Eng. Abstr.) (Rus)

URINE

Serum and urine thyroid hormone levels in healthy preterm and small for date infants on the first and fifth day of life. Etling N, et al. **Helv Paediatr Acta** 1984 Aug;39(3):223–30

THYROID NEOPLASMS

Papillary carcinoma of the thyroid. Hubert JP Jr.
Compr Ther 1986 Aug;12(8):20–6

Multiple endocrine neoplasia. Type IIa. Cance WG, et al. **Curr Probl Surg** 1985 May;22(5):1–56 (112 ref.)

Differentiated thyroid cancer in children. De Keyser LF, et al. **Head Neck Surg** 1985 Nov–Dec;8(2):100–14

Thyroid carcinoma. Bell RM. **Surg Clin North Am** 1986 Feb; 66(1):13–30 (68 ref.)

[Anaplastic thyroid carcinoma with metastasis to the right heart ventricle] Lind T, et al. **Ugeskr Laeger** 1986 Jun 30; 148(27):1684–5 (Eng. Abstr.) (Dan)

[Medullary carcinoma of the thyroid. Cases contribution] Piovesan V, et al. **Minerva Chir** 1985 Nov 15;40(21):1491–4 (Eng. Abstr.) (Ita)

[Metastasis of thyroid cancer to the frontal bone] Sandurskiĭ IuM, et al. **Klin Khir** 1985;(12):32 (Rus)

[Primary multiple synchronous cancer of the thyroid gland, trachea and esophagus] Bitiutskiĭ PG, et al. **Sov Med** 1986; (5):108–10 (Rus)

[Negative body scan in the presence of a metastasis of a differentiated carcinoma of the thyroid (letter)] Sánchez Ferrin P, et al. **Med Clin (Barc)** 1986 May 17;86(19):824–5 (Spa)

ANALYSIS

Prognostic value of nuclear DNA content in follicular thyroid tumours. Bäckdahl M, et al. **Acta Chir Scand** 1986 Jan;152:1–7

Immunohistochemical localization of thyroglobulin (Tg), thyroxine (T4), and triiodothyronine (T3) in thyroid diseases. Stefíneanu L, et al. **Acta Histochem (Jena)** 1986; 78(1):7–18

Gastrin–releasing peptide–like immunoreactivity in medullary thyroid carcinoma. Ghatei MA, et al.
Am J Clin Pathol 1985 Nov;84(5):581–6

Markers for malignancy in the nuclear texture of histologically normal tissue from patients with thyroid tumors. Bibbo M, et al. **Anal Quant Cytol Histol** 1986 Jun; 8(2):168–76

Correlation between automated DNA ploidy measurements of Hürthle–cell tumors and their histopathologic and clinical features. Galera–Davidson H, et al.
Anal Quant Cytol Histol 1986 Jun;8(2):158–67

Immunoreactive calcitonin in amyloid fibrils of medullary carcinoma of the thyroid gland. An immunogold staining technique. Butler M, et al. **Arch Pathol Lab Med** 1986 Jul; 110(7):647–9

Oncocytic tumours of the salivary gland, kidney, and thyroid: nuclear DNA patterns studied by flow cytometry. Rainwater LM, et al. **Br J Cancer** 1986 Jun;53(6):799–804

Nuclear DNA content and behavior of oxyphil thyroid tumors. Bondeson L, et al. **Cancer** 1986 Aug 1;58(3):672–5

Mucin in carcinomas of the thyroid. Mlynek ML, et al.
Cancer 1985 Dec 1;56(11):2647–50

Microspectrophotometric measurements of DNA content in cells of rat thyroid carcinoma. Chi YC, et al.
Chin Med J [Engl] 1985 Aug;98(8):595–7

Properties of thyroglobulins from normal thyroid and thyroid tumor on a concanavalin A–sepharose column. Tarutani O, et al. **J Biochem (Tokyo)** 1985 Sep;98(3):851–7

Elaboration of nonsomatostatin peptides containing the amino–terminal portion of prosomatostatin in a somatostatin–secreting human medullary thyroid carcinoma cell line. Aron DC, et al.
J Clin Endocrinol Metab 1986 Jun;62(6):1237–42

Identification of calcitonin and calcitonin gene–related peptide messenger ribonucleic acid in medullary thyroid carcinomas by hybridization histochemistry. Zajac JD, et al. **J Clin Endocrinol Metab** 1986 May;62(5):1037–43

Follicular thyroid tumours: a study of laminin and type IV collagen in basement membrane and endothelium. Kendall CH, et al. **J Clin Pathol** 1985 Oct;38(10):1100–5

Pancreatic polypeptide immunoreactivity in medullary carcinoma of the thyroid: identification and characterisation by radioimmunoassay, immunocytochemistry and high performance liquid chromatography. O'Hare MM, et al. **Regul Pept** 1986 Apr; 14(2):169–80

[Comparative studies on immunological property of thyroglobulins obtained from the thyroid tumor and the adjacent tissue] Tarutani O, et al.
Nippon Naibunpi Gakkai Zasshi 1985 Oct 20;61(10):1176–81 (Eng. Abstr.) (Jpn)

[Calcitonin levels in tissue culture of thyroid medullary carcinoma] Martin RC, et al.
Rev Hosp Clin Fac Med Sao Paulo 1985 Sep–Oct; 40(5):220–2 (Eng. Abstr.) (Por)

BLOOD

How to deal with undetectable and low measurable serum thyroglobulin levels in the follow–up of patients with differentiated thyroid carcinoma? Välimäki M, et al.
Acta Endocrinol (Copenh) 1985 Dec;110(4):487–92

Humoral markers for thyroid carcinoma. Pacini F, et al.
Cancer Detect Prev 1985;8(1–2):17–22

Free thyroid hormone levels and TSH response to TRH in patients with autonomous thyroid adenomata and normal T3 and T4. Lerro S, et al. **Clin Endocrinol (Oxf)** 1985 Oct; 23(4):373–8

Eel calcitonin suppresses plasma human calcitonin levels in medullary carcinoma of the thyroid. Morimoto S, et al.
Clin Sci 1986 Apr;70(4):333–8

Critical evaluation of serum thyroglobulin (Tg) levels during thyroid hormone suppression therapy versus Tg levels after hormone withdrawal and total body scan: results in 291 patients with thyroid cancer. Girelli ME, et al.
Eur J Nucl Med 1986;11(9):333–5

Serum thyroglobulin levels in hypofunctioning nodules before and after surgery. de Cremoux P, et al.
Klin Wochenschr 1985 Oct 15;63(20):1052–4

Thyroglobulin measurements in the follow–up of patients with differentiated thyroid carcinoma: comparison with quantitative radioactive iodine uptake measurements and total body scans. Bolk JH, et al. **Neth J Med** 1985; 28(9):340–6

Thyroglobulin measurement in thyroid cancer. Lekkerkerker JF. **Neth J Med** 1985;28(9):338–9

[Serum thyroglobulin levels in patients with thyroid tumor] Abe N, et al. **Nippon Naibunpi Gakkai Zasshi** 1986 Jan 20;62(1):9–17 (Eng. Abstr.) (Jpn)

[Serum thyroglobulin in the follow–up of patients treated for differentiated carcinoma of the thyroid. Evaluation of factors determining its effectiveness] García Solís D, et al.
Med Clin (Barc) 1986 May 10;86(18):748–52 (Eng. Abstr.) (Spa)

BLOOD SUPPLY

Demonstration of vascular endothelium in thyroid carcinomas using Ulex europaeus I agglutinin. González–Cámpora R, et al. **Histopathology** 1986 Mar; 10(3):261–6

Comparison of Ulex europaeus I lectin binding and factor VIII–related antigen as markers of vascular endothelium in follicular carcinoma of the thyroid. Stephenson TJ, et al. **Histopathology** 1986 Mar;10(3):251–60

CHEMICALLY INDUCED

Dietary iodine deficiency as a tumor promoter and carcinogen in male F344/NCr rats. Ohshima M, et al.
Cancer Res 1986 Feb;46(2):877–83

Modifying influence of dehydroepiandrosterone on the development of dihydroxy–di–n–propylnitrosamine–initiated lesions in the thyroid, lung and liver of F344 rats. Moore MA, et al.
Carcinogenesis 1986 Feb;7(2):311–6

Induction of papillary adenocarcinoma of thyroid in albino mice by saccharin feeding. Fraaad O, et al.
Indian J Exp Biol 1986 Mar;24(3):197–9

Induction of thyroid tumors in (C57BL/6N x C3H/N)F1 mice by oral administration of 9–3',4',5',6'–tetrachloro–o–carboxy phenyl–6–hydroxy–2,4,5,7–tetraiodo–3–isoxanthone sodium (Food Red 105, rose bengal B). Ito A, et al.
JNCI 1986 Jul;77(1):277–81

COMPLICATIONS

Coexistent disease as a complicating factor in the fine needle aspiration diagnosis of papillary carcinoma of the thyroid. Beecham JE. **Acta Cytol (Baltimore)** 1986 Jul–Aug; 30(4):435–8

Papillary carcinoma of thyroglossal duct cyst. A case report. Chiantelli A, et al. **Acta Otorhinolaryngol Belg** 1985; 39(6):1001–5

Thyroid carcinoma in benign thyroid diseases. An analysis from minute carcinoma. Yamashita H, et al.
Acta Pathol Jpn 1985 Jul;35(4):781–8

Thyroid lymphoma in a patient with hyperthyroidism [letter] Ultmann JE. **Am J Med** 1985 Dec;79(6):A42

Paraneoplastic opsoclonus–myoclonus. Association with medullary thyroid carcinoma and review of the literature. Dropcho E, et al. **Arch Neurol** 1986 Apr;43(4):410–5

Functional reconstruction for unilateral recurrent laryngeal nerve paralysis caused by thyroid cancer. Sato F, et al.
Auris Nasus Larynx 1985;12 Suppl 2:S210–6

Helium–oxygen mixtures in airway obstruction due to thyroid carcinoma. Rudow M, et al. **Can Anaesth Soc J** 1986 Jul; 33(4):498–501

Extramedullary plasmacytoma of the thyroid gland producing gamma heavy chain. Matsubayashi S, et al.
Endocrinol Jpn 1985 Jun;32(3):427–33

Primary malignant lymphoma of the thyroid in a patient with long–standing Graves' disease. Zeki K, et al.
Endocrinol Jpn 1985 Jun;32(3):435–40

Airway obstruction in childhood thyroid carcinoma. Buchholtz B, et al. **Int J Pediatr Otorhinolaryngol** 1986 Apr;11(2):205–9

Secondary hyperparathyroidism and thyroid cancer. Linos DA, et al. **Int Surg** 1985 Jul–Sep;70(3):263–4

Hashimoto's thyroiditis and carcinoma of the thyroid gland. Segal K, et al. **Int Surg** 1985 Jul–Sep;70(3):205–9

Pseudotumor cerebri and thyroid–replacement therapy in patients affected by differentiated thyroid carcinoma. Panza N, et al. **J Endocrinol Invest** 1985 Aug;8(4):357–8

Medullary carcinoma of thyroid in a child with stunted growth. Gupta JP, et al. **J Indian Med Assoc** 1985 May; 83(5):160–1

Papillary carcinoma of the thyroid associated with sarcoidosis. Middleton WG, et al. **J Otolaryngol** 1985 Aug; 14(4):241–4

Adolescent versus adult thyroid carcinoma. Zohar Y, et al.
Laryngoscope 1986 May;96(5):555–9

Thyrotoxicosis associated with distant metastatic follicular carcinoma of the thyroid. Bowden WD, et al.
South Med J 1986 Apr;79(4):483–6

Thyroid carcinoma in Graves' disease. Farbota LM, et al.
Surgery 1985 Dec;98(6):1148–53

Cushing's syndrome due to medullary thyroid carcinoma: case report. Lankford HV, et al. **Va Med** 1986 May; 113(5):296–8

[Association of Klinefelter's syndrome and cancer of the thyroid (letter)] Talarmin FM, et al. **Presse Med** 1985 Nov 9;14(38):1972 (Fre)

[Coexistence of Hashimoto's disease and thyroid carcinoma] Segal K, et al. **Harefuah** 1986 Apr 15;110(8):390–3 (Eng. Abstr.) (Heb)

[A case report of pulmonary arteriovenous fistula with multiple endocrine adenomatosis] Okazaki N, et al.
Nippon Kyobu Shikkan Gakkai Zasshi 1985 Nov; 23(11):1362–8 (Eng. Abstr.) (Jpn)

[A case of mucin–producing adenocarcinoma of the thyroid presented with cardiac tamponade as an initial manifestation] Matoba Y, et al.
Nippon Naika Gakkai Zasshi 1985 Sep;74(9):1283–8 (Jpn)

[A case of type I diabetes mellitus associated with chronic thyroiditis and thyroid cancer] Shio H, et al.
Nippon Naika Gakkai Zasshi 1986 Jan;75(1):46–50 (Jpn)

[Nutmeg in the treatment of diarrhea associated with medullary carcinoma of the thyroid (letter)] de Pablos PL, et al. **Med Clin (Barc)** 1985 Sep 28;85(9):385 (Spa)

CONGENITAL

Dysontogenetic neoplasms of the thyroid gland in infancy: two case reports. Pinelli V, et al.
Int J Pediatr Otorhinolaryngol 1985 Oct;10(1):101–10

Head and neck teratomas. Two cases with rare localizations. Ozdemir MA, et al. **Turk J Pediatr** 1986 Apr–Jun; 28(2):123–8

DIAGNOSIS

Sensitivity and specificity of fine needle aspiration cytology in the diagnosis of tumors of the thyroid gland. Akerman M, et al. **Acta Cytol (Baltimore)** 1985 Sep–Oct;29(5):850–5

Evaluation of the thyroid nodule. Cannon CR.
Am Fam Physician 1986 May;33(5):147–52

Enzyme histochemistry and thyroid neoplasia. Cohen MB, et al. **Am J Clin Pathol** 1986 Jun;85(6):668–73

Mucosal neuroma syndrome—a phenotype for malignancy. White MP, et al. **Arch Dis Child** 1985 Sep;60(9):876–7

Diagnostic usefulness of the calcitonin secretion induced with pentagastrin in the familial medullary thyroid carcinoma. González–Villalpando C, et al. **Arch Invest Med (Mex)** 1985 Jul–Sep;16(3):237–45 (Eng, Spa)

Fine needle aspiration biopsy cytology in the diagnosis of thyroid cancer: comparative study of 213 operated patients. Harsoulis P, et al. **Br J Surg** 1986 Jun;73(6):461–4

The role of immunoperoxidase techniques on paraffin embedded tissue in determining the histogenesis of undifferentiated thyroid neoplasms. Myskow MW, et al.
Clin Endocrinol (Oxf) 1986 Mar;24(3):335–41

Diagnostic value of a single serum thyroglobulin determination on and off thyroid suppressive therapy in the follow–up of patients with differentiated thyroid cancer. Pacini F, et al. **Clin Endocrinol (Oxf)** 1985 Oct; 23(4):405–11

Evaluation of radionuclide imaging and echography in the diagnosis of thyroid nodules. Ikekubo K, et al.
Clin Nucl Med 1986 Mar;11(3):145–9

Fine–needle aspiration versus large–needle biopsy or cutting biopsy in evaluation of thyroid nodules. Silverman JF, et al. **Diagn Cytopathol** 1986 Jan–Mar;2(1):25–30

Thyroid abnormality secondary to tortuous carotid artery. Buck RT, et al. **Eur J Nucl Med** 1986;12(1):51–2

Malignant goiter. **Helv Chir Acta** 1985 Jun;52(2):373–83

Ultrasonography in the diagnosis of thyroid lymphoma. Wallace JH. **J Can Assoc Radiol** 1985 Dec;36(4):317–9

Distinguishing lymphoma and small cell anaplastic carcinoma of the thyroid by immunocytochemistry [letter] Kendall CH. **J Clin Pathol** 1986 Feb;39(2):231

Solitary thyroid nodules. Watts NB. **J Med Assoc Ga** 1985 Oct;74(10):710–4

Solitary thyroid nodule. Damrongvadha P.
J Med Assoc Thai 1985 Jun;68(6):288–92

Primary malignant lymphoma of the thyroid: sonographic appearance. Parulekar SG, et al. **JCU** 1986 Jan;14(1):60–2

Thyroid cancer. Leeper RD. **Med Clin North Am** 1985 Sep; 69(5):1079–96

Thyroid nodules [letter] **N Engl J Med** 1986 Feb 13; 314(7):452–3

The thyroid gland with low uptake lesions: evaluation by ultrasound [letter] Schober O, et al. **Radiology** 1986 Jan; 158(1):277–8

Mycosis fungoides of thyroid diagnosed by fine needle aspiration. Wahl RW. **South Med J** 1986 Sep;79(9):1189–90

The role of ultrasonography and ultrasound guided biopsy in the management of patients with cold nodules of the thyroid. Ciatti S, et al. **Ultrasound Med Biol** 1983;Suppl 2:387–91

Duplex scanning of the thyroid. Woodcock JP, et al. **Ultrasound Med Biol** 1985 Jul–Aug;11(4):659–63

Transmission electron microscopy and immunocytochemistry in the diagnosis of thyroid tumors. Sobrinho–Simões MA, et al. **Ultrastruct Pathol** 1985;9(3–4):255–75

False–negative errors in fine–needle aspiration biopsy of dominant thyroid nodules: a prospective follow–up study. Boey J, et al. **World J Surg** 1986 Aug;10(4):623–30

[Diagnostic value of ultrasonic tomography in thyroid tumors] Kovacheva R, et al. **Vutr Boles** 1985;24(6):54–61 (22 ref.) **(Bul)**

[Differential diagnosis of thyroid gland nodules] Zamrazil V, et al. **Bratisl Lek Listy** 1986 May;85(5):553–9 (Eng. Abstr.) **(Cze)**

[Consensus meeting diagnosis of solitary thyroid nodule] **Ned Tijdschr Geneeskd** 1985 Dec 14;129(50):2422–3 **(Dut)**

[Solitary cold thyroid nodule; the value of various diagnostic methods checked against the histological findings after surgery: a retrospective study in 106 patients] Elte JW, et al. **Ned Tijdschr Geneeskd** 1985 Sep 28;129(39):1874–7 (Eng. Abstr.) **(Dut)**

[Consensus meeting on the diagnosis of solitary thyroid nodules] Hennemann G, et al. **Ned Tijdschr Geneeskd** 1985 Sep 28;129(39):1878–82 (Eng. Abstr.) **(Dut)**

[Nodules in the thyroid gland] Krenning EP. **Ned Tijdschr Geneeskd** 1985 Sep 28;129(39):1870–4 **(Dut)**

[Symposium: New markers in hormone–dependent cancers] **Ann Endocrinol (Paris)** 1985;46(4–5):325–41 (Eng. Abstr.) **(Fre)**

[Association of parathyroid adenoma and thyroid adenocancer. Contribution of cervical ultrasonography apropos of 5 cases] Gremillet C, et al. **Ann Radiol (Paris)** 1985;28(8):577–83 (Eng. Abstr.) **(Fre)**

[Congenital megacolon in ganglioneuromatosis and medullary cancer of the thyroid gland (MEN IIb syndrome). Apropos of a case (letter)] Chamouard P, et al. **Gastroenterol Clin Biol** 1986 Apr;10(4):368 **(Fre)**

[Cancer of the thyroid in children. 14 cases] Bruyere A, et al. **Presse Med** 1984 Mar 10;13(10):601–5 (Eng. Abstr.) **(Fre)**

[Appearance and treatment of cancer of the thyroid gland] Wey W. **Schweiz Rundsch Med Prax** 1985 May 21; 74(21):572–7 (Eng. Abstr.) **(Fre)**

[Medullary thyroid carcinoma. Results of a family screening program] Kotzerke J, et al. **Dtsch Med Wochenschr** 1986 Jul 25;111(30):1140–3 (Eng. Abstr.) **(Ger)**

[Occult papillary thyroid carcinoma. Clinical significance and morphology of a common tumor] Schröder S, et al. **Dtsch Med Wochenschr** 1986 Apr 11;111(15):582–6 (Eng. Abstr.) **(Ger)**

[Diagnosis and therapy of the most frequent APUDomas. Insulinoma, gastrinoma and C cell carcinoma of the thyroid gland] Heinemann M, et al. **Fortschr Med** 1986 Apr 17; 104(15):307–9 (Eng. Abstr.) **(Ger)**

[Is the solitary cold thyroid nodule in an endemic area still a sign of primary malignancy?] Wehrli H, et al. **Helv Chir Acta** 1986 Jun;53(1–2):7–10 (Eng. Abstr.) **(Ger)**

[Malignant struma: changes in the clinical picture and treatment strategy] Wey W, et al. **HNO** 1985 Sep; 33(9):385–94 (Eng. Abstr.) **(Ger)**

[A case of primary immunocytoma of the thyroid. Histogenetic and prognostic considerations] Marzetti F, et al. **Acta Otorhinolaryngol Ital** 1985 Nov–Dec;5(6):589–99 (Eng. Abstr.) **(Ita)**

[Autonomous adenoma of the thyroid] Francomano F, et al. **Minerva Med** 1986 Feb 28;77(7–8):215–22 (Eng. Abstr.) **(Ita)**

[Diagnosis of malignant thyroid tumor using high–frequency ultrasonography with piezoelectric transducer, soft X–rays and aspiration biopsy cytology] Kawauchi A, et al. **Gan To Kagaku Ryoho** 1986 Apr;13(4 Pt 2):1686–91 (Eng. Abstr.) **(Jpn)**

[Medical images; the clinical significance of the medical images of thyroid cancer] Miyakawa M, et al. **Gan To Kagaku Ryoho** 1986 Apr;13(4 Pt 2):1692–701 (Eng. Abstr.) **(Jpn)**

[Multiple endocrine neoplasia, type I and type II B: report of two cases] Esa A, et al. **Hinyokika Kiyo** 1985 Sep; 31(9):1593–9 (Eng. Abstr.) **(Jpn)**

[Anaplastic carcinoma of the thyroid—problems in diagnosis and treatment] Tahara H, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Feb 20;21(1):73–9 (Eng. Abstr.) **(Jpn)**

[Thyroid nodules; evaluation of malignancy by ultrasonography] Morifuji H, et al. **Nippon Geka Gakkai Zasshi** 1986 May;87(5):564–71 (Eng. Abstr.) **(Jpn)**

[A case of complete mediastinal goiter] Hoshi E, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Apr;34(4):510–3 (Eng. Abstr.) **(Jpn)**

[Nodular goiter from the oncological viewpoint] Kalaida LP. **Klin Med (Mosk)** 1985 Oct;63(13):54–8 (Eng. Abstr.) **(Rus)**

[Benign tumors of the thyroid gland of non–epithelial origin] Simeonov L, et al. **Probl Endokrinol (Mosk)** 1985 Jul–Aug; 31(4):37–8 **(Rus)**

[Squamous carcinoma of the thyroid: apropos of a case] Angel M, et al. **Rev Clin Esp** 1986 May;178(8):396–7 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

A randomized trial of doxorubicin versus doxorubicin plus cisplatin in patients with advanced thyroid carcinoma. Shimaoka K, et al. **Cancer** 1985 Nov 1;56(9):2155–60

Phase II evaluation of doxorubicin plus cisplatin in advanced thyroid cancer: a Southeastern Cancer Study Group Trial. Williams SD, et al. **Cancer Treat Rep** 1986 Mar;70(3):405–7

EMBRYOLOGY

Papillary adenocarcinoma of thyroglossal duct remnant. Candrina R, et al. **J Endocrinol Invest** 1985 Dec;8(6):547–9

ENZYMOLOGY

Phosphofructokinase in normal thyroid tissue and thyroid neoplasms. van der Heijden MC, et al. **Tumour Biol** 1986; 7(1):9–18

[Changes in dipeptidyl–peptidase IV activity in human serum in pathological conditions of the thyroid gland] Sedo A, et al. **Cas Lek Cesk** 1985 Dec 20;124(51):1579–81 (Eng. Abstr.) **(Cze)**

[Behavior of creatine kinase–isoenzyme BB in the nodular pathology of the thyroid (preliminary note)] Sussi PL, et al. **Chir Ital** 1984 Dec;36(6):943–6 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Thyroid cancer incidence in relation to volcanic activity. Arnbjörnsson E, et al. **Arch Environ Health** 1986 Jan–Feb; 41(1):36–40

Benign and malignant thyroid nodules after neck irradiation. Fjälling M, et al. **Cancer** 1986 Sep 15;58(6):1219–24

Thyroid scintigraphy for the detection of radiation–induced thyroid cancer. Puylaert JB, et al. **Clin Nucl Med** 1985 Sep;10(9):646–9

Characteristics of thyroid cancer following irradiation. Turrin A, et al. **Int J Radiat Oncol Biol Phys** 1985 Dec; 11(12):2149–54

Radiation–induced thyroid and other head and neck tumors: occurrence of multiple tumors and analysis of risk factors. Schneider AB, et al. **J Clin Endocrinol Metab** 1986 Jul; 63(1):107–12

Androgen–mediated development of irradiation–induced thyroid tumors in rats: dependence on animal age during interval of androgen replacement in castrated males. Hofmann C, et al. **JNCI** 1986 Jul;77(1):253–60

Chronic thyroiditis as a risk factor of B–cell lymphoma in the thyroid gland. Kato I, et al. **Jpn J Cancer Res** 1985 Nov;76(11):1085–90

Relation between 131I therapy for thyrotoxicosis and development of thyroid carcinoma [letter] Williams ED. **Lancet** 1986 Aug 23;2(8504):456–7

Thyroid cancer following radiotherapy for Hodgkin's disease: a case report and review of the literature. Moroff SV, et al. **Med Pediatr Oncol** 1986;14(4):216–20

[Thyroid cancer after radiotherapy of laryngeal scleroma] Karczmarek–Borowska B, et al. **Wiad Lek** 1985 Aug 1; 38(15):1093–6 (Eng. Abstr.) **(Pol)**

[Thyrotoxicosis and thyroid cancer] Zaslavskaia MG, et al. **Ter Arkh** 1985;57(12):29–32 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Quantitative study of a proposed interstitial del (20p 12.2) in multiple endocrine neoplasia (MEN–II). Krizman DB, et al. **Anticancer Res** 1986 Mar–Apr;6(2):191–4

Familial medullary thyroid carcinoma without associated endocrinopathies: a distinct clinical entity. Farndon JR, et al. **Br J Surg** 1986 Apr;73(4):278–81

Cytogenetics of medullary carcinoma of the thyroid. Wurster–Hill DH, et al. **Cancer Genet Cytogenet** 1986 Feb 15;20(3–4):247–53

A cytogenetic study of familial medullary carcinoma of the thyroid. Wurster–Hill DH, et al. **Cancer Res** 1986 Apr;46(4 Pt 2):2134–8

Identification of a c–myc oncogene lacking the exon 1 in the normal cells of a patient carrying a thyroid carcinoma. Del Senno L, et al. **FEBS Lett** 1986 Feb 17;196(2):296–300

C3 variants and disease. Bernal JE, et al. **Hum Hered** 1986; 36(2):97–100

Detection of mRNA encoding calcitonin, calcitonin gene related peptide and proopiomelanocortin in human tumors. Höppener JW, et al. **Mol Cell Endocrinol** 1986 Sep; 47(1–2):125–30

Multiple endocrine neoplasia type 2A (MEN–2A): natural history, screening, and central registration. Brouwers–Smalbraak GJ, et al. **Neth J Med** 1986; 29(4):111–7

Differential expression of the human calcitonin—CGRP gene in medullary thyroid carcinoma and lung carcinoma cell lines. Craig RK, et al. **Recent Results Cancer Res** 1985; 99:71–8

Prognostic value of nuclear DNA content in medullary thyroid carcinoma. Bäckdahl M, et al. **World J Surg** 1985 Dec;9(6):980–7

[Our experience in the study and treatment of medullary carcinomas of the thyroid. Apropos of 2 familial cases] Maisin JP, et al. **Acta Otorhinolaryngol Belg** 1985; 39(5):875–87 (Eng. Abstr.) **(Fre)**

[HLA and thyroid cancer] Dralle H, et al. **Klin Wochenschr** 1986 Jun 2;64(11):522–5 (Eng. Abstr.) **(Ger)**

[A kindred of familial pheochromocytoma and medullary thyroid carcinoma] Machida J, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 May;76(5):757–64 (Eng. Abstr.) **(Jpn)**

[Multiple endocrine neoplasm type II–A] Díaz de Greñu Martínez C, et al. **Med Clin (Barc)** 1985 Nov 30; 85(18):756–8 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Immunologic parameters in patients with thyroid cancer. Makimoto K, et al. **Arch Otorhinolaryngol** 1986;243(2):91–5

On the presence of autoantibodies in the plasma of patients suffering from medullary carcinoma of the thyroid. Calmettes C. **Biomed Pharmacother** 1985;39(4):195–8

Thyroid blood group isoantigen expression: a parallel with ABH isoantigen expression in the distal colon. Vowden P, et al. **Br J Cancer** 1986 Jun;53(6):721–5

Intermediate lymphocytic lymphoma of the thyroid. An immunologic and immunohistologic study. Aozasa K, et al. **Cancer** 1986 May 1;57(9):1762–7

The relation of susceptibility to and biologic behavior of thyroid epithelial cell cancer to HLA–DR1. Juhasz F, et al. **Cancer** 1986 Jul 1;58(1):52–4

Autoimmunity and the pathogenesis of localized thyroid autonomy (Plummer's disease). Wiener JD, et al. **Clin Endocrinol (Oxf)** 1985 Dec;23(6):635–42

Comparative study of percentage of T–lymphocytes in blood in patients with breast and thyroid cancer. Smejkalová E, et al. **Czech Med** 1986;9(1):51–6

T–lymphocytes detected by esterase technique in malignant tumours of the thyroid. Smejkalová E, et al. **Czech Med** 1985;8(3):180–4

The investigation of the monocyte–mediated tumor–specific rosette formation and cytotoxic capacity of patients with thyroid cancer. Boros P, et al. **Neoplasma** 1985;32(6):709–14

[Circulating immune complex (CIC) and antitumor antibody in the serum of rats with thyroid carcinoma induced by 132I] Hou JC. **Chung Hua Chung Liu Tsa Chih** 1986 May; 8(3):173–5 (Eng. Abstr.) **(Chi)**

[Antigenic reversion in tumors of the thyroid] Bochanovskiĭ VA, et al. **Probl Endokrinol (Mosk)** 1986 May–Jun; 32(3):11–3 (Eng. Abstr.) **(Rus)**

METABOLISM

Mixed medullary–follicular thyroid carcinoma [letter] Perrone T. **Am J Surg Pathol** 1986 May;10(5):362–3

Lectin histochemistry of papillary and follicular carcinoma of the thyroid gland. Sobrinho–Simões M, et al. **Arch Pathol Lab Med** 1986 Aug;110(8):722–9

Biosynthesis of an asparagine–linked oligosaccharide–containing calcitonin by a rat medullary thyroid carcinoma cell line. Flanders KC, et al. **Biochemistry** 1986 May 20;25(10):2995–3000

Thyrotrophin receptors, tumour radioiodine concentration and thyroglobulin secretion in differentiated thyroid cancers. Edmonds CJ, et al. **Br J Cancer** 1985 Oct; 52(4):537–41

Thyroglobulin production by malignant thyroid tumors. An immunocytochemical and radioimmunoassay study. Ryff–de Lèche A, et al. **Cancer** 1986 Mar 15;57(6):1145–53

Medullary carcinoma of the thyroid. An immunocytochemical and histochemical study of 25 cases using eight separate markers. Sikri KL, et al. **Cancer** 1985 Nov 15;56(10):2481–91

Estrogen receptors in human goitrous and neoplastic thyroid. Hampl R, et al. **Endocrinol Exp (Bratisl)** 1985 Dec; 19(4):227–30

Nonsomatostatin secretory peptide(s) derived from prosomatostatin's amino terminus in a rat medullary thyroid carcinoma cell line. Aron DC, et al. **Endocrinology** 1986 Jan;118(1):218–22

Somatostatin production by a human medullary thyroid carcinoma cell line. Gagel RF, et al. **Endocrinology** 1986 Apr;118(4):1643–51

Triiodothyronine rapidly decreases transcription of the thyrotropin subunit genes in thyrotropic tumor explants. Shupnik MA, et al. **Endocrinology** 1985 Nov;117(5):1940–6

Thyroidal thyroxine and triiodothyronine in autonomously functioning thyroid nodule and paranodular tissue. Solter M, et al. **Exp Clin Endocrinol** 1985 Jun;85(3):369–72

Biosynthesis of calcitonin by a rat medullary thyroid carcinoma cell line. Birnbaum RS, et al. **J Biol Chem** 1986 Jan 15;261(2):699–703

Cyclic AMP and phorbol esters separately induce growth inhibition, calcitonin secretion, and calcitonin gene transcription in cultured human medullary thyroid carcinoma. deBustros A, et al. **J Biol Chem** 1986 Jun 15; 261(17):8036–41

Unusual sensitivity of cytosolic free Ca2+ to changes in extracellular Ca2+ in rat C-cells. Fried RM, et al. **J Biol Chem** 1986 Jun 15;261(17):7669–74

Metastatic C-cell carcinoma: calcitonin and CEA production in monolayer culture. Schurr W, et al. **J Cancer Res Clin Oncol** 1986;111(3):284–8

T3-producing thyroid adenocarcinoma: further studies with immunohistochemical staining directly evidencing the presence of T3 in the metastatic cancer. Aoki N, et al. **Nippon Gan Chiryo Gakkai Shi** 1985 Aug 20;20(7):1334–41

Prognostic impact of nuclear DNA content in medullary thyroid carcinoma; a retrospective pilot study. Tallroth E, et al. **Radiother Oncol** 1985 Nov;4(3):225–30

Epidermal growth factor receptors in normal and neoplastic thyroid tissue. Duh QY, et al. **Surgery** 1985 Dec; 98(6):1000–7

Mucin-producing adenoma of the thyroid gland. Brisigotti M, et al. **Tumori** 1986 Apr 30;72(2):211–4

Concurrent production of calcitonin and thyroglobulin by the same neoplastic cells. Holm R, et al. **Ultrastruct Pathol** 1986;10(3):241–8

Medullary carcinoma of the thyroid gland: an immunocytochemical study. Holm R, et al. **Ultrastruct Pathol** 1985;8(1):25–41

Morphological demonstration and quantification of TSH binding sites in neoplastic and non-neoplastic thyroid tissues. An autoradiographic study using 125I-labelled thyrotropin. Schröder S, et al. **Virchows Arch [A]** 1986; 409(5):555–70

[Functional characterization of thyroid neoplastic tissue using the ion microscope] Fragu P, et al. **C R Acad Sci [III]** 1985;301(20):851–7 (Eng. Abstr.) **(Fre)**

[Stimulation of adenyl cyclase and fixation of iodine in human cancerous thyroid cells in culture] Thomas-Morvan C. **C R Acad Sci [III]** 1985;301(10):487–90 (Eng. Abstr.) **(Fre)**

[Report on a case producing colony-stimulating factor from anaplastic carcinoma of the thyroid] Takaoka K, et al. **Nippon Naika Gakkai Zasshi** 1986 Jan;75(1):69–74 **(Jpn)**

MORTALITY

Thyroid cancer. Survival in 148 cases followed for 10 years or more. Torres J, et al. **Cancer** 1985 Nov 1;56(9):2298–304

Some factors influencing the survival of patients with less advanced stages of differentiated thyroid cancer. Němec J, et al. **Endocrinol Exp (Bratisl)** 1986 Mar;20(1):85–95

Thyroid carcinoma. Friedman M, et al. **Otolaryngol Clin North Am** 1986 Aug;19(3):451–61

Further evidence of the validity of risk group definition in differentiated thyroid carcinoma. Cady B, et al. **Surgery** 1985 Dec;98(6):1171–8

[The significance of induced accumulative ability in differentiated carcinoma of the thyroid gland for the prognosis of the disease] Němec J, et al. **Cesk Radiol** 1986 May;40(3):184–9 (Eng. Abstr.) **(Cze)**

[Prognostic factors in thyroid carcinoma: follow-up data on 429 patients (letter)] Boom RP. **Ned Tijdschr Geneeskd** 1986 Jun 7;130(23):1075–6 **(Dut)**

[Prognostic factors in thyroid carcinoma: follow-up findings in 429 patients] Romme AC, et al. **Ned Tijdschr Geneeskd** 1986 Apr 19;130(16):731–6 (Eng. Abstr.) **(Dut)**

[Computer-assisted prognostic study of 77 thyroid vesicular cancers] Spay G, et al. **Chirurgie** 1985;111(9):761–4 (Eng. Abstr.) **(Fre)**

OCCURRENCE

Occult papillary carcinoma of the thyroid in children and young adults. A systemic autopsy study in Finland. Franssila KO, et al. **Cancer** 1986 Aug 1;58(3):715–9

Thyroid cancer risk in the population around the Nevada Test Site. Zeighami EA, et al. **Health Phys** 1986 Jan; 50(1):19–32

Natural history of thyroid carcinoma [letter] Christensen SB. **Lancet** 1985 Dec 21–28;2(8469–70):1427–8

Radiation-induced thyroid disease. Maxon HR. **Med Clin North Am** 1985 Sep;69(5):1049–61

Second cancer following cutaneous melanoma and cancers of the brain, thyroid, connective tissue, bone, and eye in Denmark, 1943–80. Osterlind A, et al. **Natl Cancer Inst Monogr** 1985 Dec;68:361–88

Second cancer following cutaneous melanoma and cancers of the brain, thyroid, connective tissue, bone, and eye in Connecticut, 1935–82. Tucker MA, et al. **Natl Cancer Inst Monogr** 1985 Dec;68:161–89

Incidence of cancer in surgically treated thyroid nodules based on method of selection. Lo Gerfo P, et al. **Surgery** 1985 Dec;98(6):1197–201

The incidence of thyroid carcinoma in patients with Hashimoto's thyroiditis and solitary cold nodules. Ott RA, et al. **Surgery** 1985 Dec;98(6):1202–6

[Thyroid cancer in Champagne-Ardenne: 1967–1984. Epidemiologic findings in a regional register] Delisle MJ, et al. **Bull Cancer (Paris)** 1986;73(2):165–70 (Eng. Abstr.) **(Fre)**

[Postoperative recurrence and death rates of poorly differentiated carcinoma of the thyroid] Sakamoto A, et al. **Gan No Rinsho** 1986 Aug;32(9):955–7 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Fine needle aspiration cytologic study of the solitary thyroid nodule. Profile of 308 cases with histologic correlation. Jayaram G. **Acta Cytol (Baltimore)** 1985 Nov–Dec; 29(6):967–73

A step-wise logistic regression analysis of papillary carcinoma of the thyroid. Miller TR, et al. **Acta Cytol (Baltimore)** 1986 May–Jun;30(3):285–93

Occult medullary thyroid carcinoma. Unusual histologic variant presenting with metastatic disease. Aldabagh SM, et al. **Am J Clin Pathol** 1986 Feb;85(2):247–50

Columnar-cell carcinoma of the thyroid. A report of two cases of an aggressive variant of thyroid carcinoma. Evans HL. **Am J Clin Pathol** 1986 Jan;85(1):77–80

Thyroid lymphoma with gastrointestinal involvement: report of three cases. Stone CW, et al. **Am J Hematol** 1986 Apr; 21(4):357–65

Clear cell change in primary thyroid tumors. A study of 38 cases. Carcangiu ML, et al. **Am J Surg Pathol** 1985 Oct; 9(10):705–22

Thyroglobulin and clear-cell tumors [letter] Dayal Y, et al. **Am J Surg Pathol** 1986 Jan;10(1):70–2

Thyroid spindle-cell tumor with mucous cysts. An intrathyroid thymoma? Harach HR, et al. **Am J Surg Pathol** 1985 Jul;9(7):525–30

Risk factors in follicular thyroid carcinomas. A retrospective follow-up study covering a 14-year period with emphasis on morphological findings. Lang W, et al. **Am J Surg Pathol** 1986 Apr;10(4):246–55

Intrathyroid thymoma [letter] Neill J. **Am J Surg Pathol** 1986 Sep;10(9):660–1

Signet-ring-cell thyroid tumors. Follicle cell tumors with arrest of folliculogenesis. Schröder S, et al. **Am J Surg Pathol** 1985 Sep;9(9):619–29

Medullary carcinoma of the thyroid gland. Clinical, pathological, and immunohistochemical features with review of the literature. Uribe M, et al. **Am J Surg Pathol** 1985 Aug;9(8):577–94

Resectional management of airway invasion by thyroid carcinoma. Grillo HC, et al. **Ann Thorac Surg** 1986 Sep; 42(3):287–98

Lateral neck mass. Sole presenting sign of metastatic thyroid cancer. Maceri DR, et al. **Arch Otolaryngol Head Neck Surg** 1986 Jan;112(1):47–9

Aspiration cytology and ultrasonography of cold thyroid nodules. McLaughlin SJ, et al. **Aust NZ J Surg** 1986 Apr; 56(4):331–4

Comparison of radiosensitivities of human autologous normal and neoplastic thyroid epithelial cells. Miller RC, et al. **Br J Radiol** 1986 Feb;59(698):127–30

Multifactorial study of prognostic factors in differentiated thyroid carcinoma and a re-evaluation of the importance of age. Bacourt F, et al. **Br J Surg** 1986 Apr;73(4):274–7

Plasmacytoma of the thyroid gland. Aozasa K, et al. **Cancer** 1986 Jul 1;58(1):105–10

Malignant lymphomas of the thyroid gland. Analysis of 79 patients with emphasis on histologic prognostic factors. Aozasa K, et al. **Cancer** 1986 Jul 1;58(1):100–4

Hürthle cell and mitochondrion-rich cell tumors. A clinicopathologic study. González-Cámpora R, et al. **Cancer** 1986 Mar 15;57(6):1154–63

Hurthle cell carcinoma of the thyroid gland. A tumor of moderate malignancy. Har-El G, et al. **Cancer** 1986 Apr 15;57(8):1613–7

Histopathologic reproducibility of thyroid disease in an epidemiologic study. Ron E, et al. **Cancer** 1986 Mar 1; 57(5):1056–9

The role of fine-needle aspiration biopsy in the rapid diagnosis and management of thyroid neoplasm. Silverman JF, et al. **Cancer** 1986 Mar 15;57(6):1164–70

Is the EORTC prognostic index of thyroid cancer valid in differentiated thyroid carcinoma? Retrospective multivariate analysis of differentiated thyroid carcinoma with long follow-up. Tennvall J, et al. **Cancer** 1986 Apr 1;57(7):1405–14

Clinicopathologic study of thyroid carcinoma infiltrating the trachea. Tsumori T, et al. **Cancer** 1985 Dec 15; 56(12):2843–8

Cytologic diagnoses of follicular tumors of the thyroid. Atkinson B, et al. **Diagn Cytopathol** 1986 Jan–Mar;2(1):1–3

Cytopathology of follicular lesions of the thyroid gland. Kini SR, et al. **Diagn Cytopathol** 1985 Apr–Jun;1(2):123–32

Transformation of papillary carcinoma. Yaremchuk K, et al. **Ear Nose Throat J** 1985 Nov;64(11):543–5

Bilateral pheochromocytoma associated with papillary adenocarcinoma of the thyroid gland; report of an unusual case. Yasuda G, et al. **Endocrinol Jpn** 1985 Jun; 32(3):399–404

Light microscopy and electron microscopy investigations on occult carcinoma of the thyroid gland. Dashev G, et al. **Folia Med (Plovdiv)** 1985;27(4):38–43

Plasmacytoma and follicular lymphoma in a case of Hashimoto's thyroiditis. Aozasa K, et al. **Histopathology** 1986 Jul;10(7):735–40

Adenolipoma of the thyroid gland. Hjorth L, et al. **Histopathology** 1986 Jan;10(1):91–6

The value of immunohistochemistry in medullary thyroid carcinoma: a systematic study of 30 cases. Krisch K, et al. **Histopathology** 1985 Oct;9(10):1077–89

Papillary carcinoma of the thyroid gland with lipomatous stroma: report of a peculiar histological type of thyroid tumour. Vestfrid MA. **Histopathology** 1986 Jan; 10(1):97–100

Signet ring cell lymphoma of the thyroid: a case report. Allevato PA, et al. **Hum Pathol** 1985 Oct;16(10):1066–8

The significance of mitotic rate: a retrospective study of 127 thyroid carcinomas. Lee TK, et al. **Hum Pathol** 1985 Oct; 16(10):1042–6

The biological behaviour of carcinoma of the thyroid in the elderly. Rao RS. **Indian J Cancer** 1985 Mar;22(1):17–21

Papillary carcinoma and the solitary autonomously functioning nodule of the thyroid. Sobel RJ, et al. **Isr J Med Sci** 1985 Nov;21(11):878–82

Long-term results of treatment of 283 patients with lung and bone metastases from differentiated thyroid carcinoma. Schlumberger M, et al. **J Clin Endocrinol Metab** 1986 Oct; 63(4):960–7

Medullary carcinoma of thyroid. Bobhate SK, et al. **J Indian Med Assoc** 1985 May;83(5):161–2, 171

Fine-needle aspiration biopsy of the thyroid gland: results of a five-year experience and discussion of its clinical limitations. Gardiner GW, et al. **J Otolaryngol** 1986 Jun; 15(3):161–5

Thyroid tumors invading the larynx and trachea. Tytor M, et al. **J Otolaryngol** 1986 Apr;15(2):74–9

The limitations of ultrasound in thyroid swellings. Al Sayer HM, et al. **J R Coll Surg Edinb** 1986 Feb;31(1):27–31

Localized thyroid plasmacytoma. Chen KT, et al. **J Surg Oncol** 1986 Aug;32(4):220–2

Anaplastic transformation of metastatic follicular carcinoma of the thyroid. Moore JH Jr, et al. **J Surg Oncol** 1985 Aug; 29(4):216–21

Locally aggressive differentiated thyroid carcinoma. Tovi F, et al. **J Surg Oncol** 1985 Jun;29(2):99–104

Multiple primary neoplasms in patients with salivary gland or thyroid gland tumors. Johns ME, et al. **Laryngoscope** 1986 Jul;96(7):718–21

Multiple symmetrical lipomatosis in a patient with Hürthle cell carcinoma of the thyroid: a case report. Rhoads DD, et al. **Laryngoscope** 1986 Jan;96(1):91–5

Evaluation of thyroid nodules. Accent on needle biopsy. Miller JM. **Med Clin North Am** 1985 Sep;69(5):1063–77

Lennert's lymphoma of the thyroid. Foscolo GC, et al. **Minerva Endocrinol** 1985 Oct–Dec;10(4):239–41

Fine-needle aspiration biopsy of solitary thyroid nodules. Effect on cost of management, frequency of thyroid surgery, and operative yield of thyroid malignancy. Caplan RH, et al. **Minn Med** 1986 Apr;69(4):189–92

Hürthle cell tumours of the thyroid gland. A review and four case reports. Tan PB, et al. **Neth J Med** 1985; 28(11):509–15

Fine needle biopsy of thyroid nodules: avoiding the pitfalls. Hamburger JI, et al. **NY State J Med** 1986 May;86(5):241–9 (65 ref.)

Malignant fibrous histiocytoma associated with peripheral blood eosinophilia. In vitro studies demonstrating tumor-derived eosinophilopoietic activity. Serke S, et al. **Oncology** 1986;43(4):230–3

Thymus carcinoid. Viebahn R, et al. **Pathol Res Pract** 1985 Oct;180(4):445–51

Fine-needle aspiration biopsy of the thyroid. Superior diagnostic tool. Friedman NM. **Postgrad Med** 1985 Nov 1;78(6):55–7, 60–2

Metastatic follicular carcinoma of the thyroid presenting with thyrotoxic induced impaired control of diabetes mellitus. Samanta A, et al. **Postgrad Med J** 1986 Mar; 62(725):199–200

Follicular carcinoma of the thyroid presenting with hematuria: a case report. Kaplan AS, et al. **Surgery** 1986 Sep;100(3):572–5

Malignant lymphoma of the thyroid gland: a clinical and pathologic study of twenty cases. Rasbach DA, et al. **Surgery** 1985 Dec;98(6):1166–70

Hürthle cell tumor behavior: dilemma and resolution. Rosen IB, et al. **Surgery** 1985 Oct;98(4):777–83

Management implications from routine needle biopsy of hyperfunctioning thyroid nodules. Walfish PG, et al. **Surgery** 1985 Dec;98(6):1179–88

Medullary thyroid carcinoma in multiple endocrine neoplasm type II syndromes. Fassina AS, et al. **Tumori** 1985 Aug 31;71(4):397–401

A thyroid tumor in a 57-year-old man. Nesland JM, et al. **Ultrastruct Pathol** 1986;10(2):197–202

Farewell to the dual histogenesis of thyroid tumors? Sobrinho-Simões M, et al. **Ultrastruct Pathol** 1985; 8(2–3):iii–v

Flow cytometric DNA measurements in human thyroid tumors. Christov K. **Virchows Arch [B]** 1986;51(3):255–63

[Pathologic observations on the carcinogenic effects of 131I, 132I and 125I in the thyroid of rats] Liu ZH. **Chung Hua I Hsueh Tsa Chih** 1985 Jul;65(7):400–3, 446 (Eng. Abstr.) **(Chi)**

[Thyroid tumors—a clinico-pathologic analysis of 514 cases] Lin JB. **Chung-hua Ping Li Hsueh Tsa Chih** 1985 Jun; 14(2):130–2 (Eng. Abstr.) **(Chi)**

[Pathological and immunohistochemical studies of medullary carcinoma of the thyroid] Zhang YE. **Chung-hua Ping Li Hsueh Tsa Chih** 1985 Dec;14(4):279–81 (Eng. Abstr.) **(Chi)**

[2 cases of thyroid lipoma] Pagès A, et al. **Ann Pathol** 1985; 5(4–5):283–6 (Eng. Abstr.) **(Fre)**

[Malignant lymphomas (primary and secondary) of the thyroid. Description of 9 case reports and review of the literature] Rigaud C, et al. **Bull Cancer (Paris)** 1985;

72(3):210–9 (Eng. Abstr.) (Fre)
[Anaplastic cancer of the thyroid body (54 cases). Apropos of 32 cases] Spay G, et al. **Chirurgie** 1985;111(9):807–11 (Eng. Abstr.) (Fre)
[Pulmonary metastases in medullary cancers of the thyroid. Study of 4 cases. Originality of the lymphangitic form with amyloid stroma] Mazoyer G, et al. **Rev Mal Respir** 1986; 3(3):139–43 (Eng. Abstr.) (Fre)
[Fine-needle biopsy of the thyroid: an aid in the diagnosis of thyroid cancer] Bourgeois P, et al. **Rev Med Brux** 1986 Jun;7(6):381–4 (Eng. Abstr.) (Fre)
[Morphology of thyroid tumors: value for the clinician] Tscholl-Ducommun J. **Rev Med Suisse Romande** 1986 Jan; 106(1):77–83 (Fre)
[Preoperative prediction of the character of strumas] Teuscher J, et al. **Chirurg** 1986 Mar;57(3):155–8 (Eng. Abstr.) (Ger)
[Thyroid cytology] Lang W, et al. **Langenbecks Arch Chir** 1985;366:55–9 (Eng. Abstr.) (Ger)
[Prognosis of thyroid cancer] Bretzel RG, et al. **Lebensversicherungsmedizin** 1985 Nov 1;37(6):172–9 (Eng. Abstr.) (Ger)
[Diagnosis of struma ovarii in a patient in treatment for thyroid carcinoma] Falsetti L, et al. **Ann Ostet Ginecol Med Perinat** 1985 Sep–Oct;106(5):290–3 (Eng. Abstr.) (Ita)
[Differentiated carcinoma of the thyroid gland. Anatomo-clinical characteristics] Pandolfi C. **Minerva Med** 1986 Jun 30;77(27):1309–16 (Eng. Abstr.) (Ita)
[Vascular invasion, lymph node metastasis and extraglandular extension of well-differentiated carcinoma of the thyroid] Hosoya T, et al. **Gan No Rinsho** 1986 Jan;32(1):23–6 (Eng. Abstr.) (Jpn)
[Concurrent medullary carcinoma adjacent to papillary carcinoma of the thyroid—a clinicopathological and electron microscopic study] Ishida T, et al. **Gan No Rinsho** 1985 Nov;31(14):1814–20 (Eng. Abstr.) (Jpn)
[Clinico-pathological study of thyroid carcinomas detected by mass screening] Omata K, et al. **Gan No Rinsho** 1986 Jun;32(7):740–8 (Eng. Abstr.) (Jpn)
[The cervical paranodal lymphatics in thyroid carcinoma: valvular column, valvular erection] Kuwabara S, et al. **Kokyu To Junkan** 1985 Nov;33(11):1337–41 (Eng. Abstr.) (Jpn)
[Problems in the treatment of early cancer in major organs—thyroid cancer] Miyakawa M, et al. **Nippon Geka Gakkai Zasshi** 1985 Sep;86(9):1067–70 (Eng. Abstr.) (Jpn)
[Quantitative studies on the follicle lumen of the normal thyroid, adenoma and adenomatous goiter] Nakamura K, et al. **Rinsho Byori** 1986 Feb;34(2):206–10 (Jpn)
[Morphological characteristics of the stroma of thyroid cancer] Dikshtein EA, et al. **Arkh Patol** 1985;47(7):17–23 (Eng. Abstr.) (Rus)
[Treatment of distant metastases of thyroid cancer using 131I] Drozdovskiĭ BIa, et al. **Med Radiol (Mosk)** 1986 Jul; 31(7):18–20 (Rus)
[Cold thyroid nodule: criteria for malignancy apropos of 382 cases] Boix Pallarés P, et al. **Med Clin (Barc)** 1986 Feb 1;86(4):147–9 (Eng. Abstr.) (Spa)
[Follicular proliferation in aspiration cytology of thyroid nodules] Corrales Hernández JJ, et al. **Med Clin (Barc)** 1986 Apr 12;86(14):579–81 (Eng. Abstr.) (Spa)
[Isotopic localization of hepatic metastasis of medullary carcinoma of the thyroid with Tc-99 pyrophosphate (letter)] Salmerón de Diego J, et al. **Med Clin (Barc)** 1985 Sep 28;85(9):385 (Spa)
[Squamous cell carcinoma with primary localization in the thyroid gland] Crooks D, et al. **Rev Med Panama** 1986 Jan;11(1):28–30 (Eng. Abstr.) (Spa)

PHYSIOPATHOLOGY

Electrophysiological properties of calcitonin-secreting cells derived from human medullary thyroid carcinoma. Sand O, et al. **Acta Physiol Scand** 1986 Feb;126(2):173–9
Acute thyroid hormone withdrawal rapidly increases the thyrotropin beta and alpha-subunit messenger ribonucleic acids in mouse thyrotropic tumors. Ross DS, et al. **Endocrinology** 1986 Mar;118(3):1006–10
Autoimmune thyroiditis: pathophysiology and relationship to thyroid cancer. Maceri DR, et al. **Laryngoscope** 1986 Jan;96(1):82–6

PREVENTION & CONTROL

Indications for performing hemithyroidectomy for tumors requiring total laryngectomy. Biel MA, et al. **Am J Surg** 1985 Oct;150(4):435–9
In accidents, give KI promptly [letter] Archer VE. **Health Phys** 1985 Dec;49(6):1311–3
Thyroid hormone administration in irradiated patients. Murphy ED, et al. **J Surg Oncol** 1986 Mar;31(3):214–7
Thyroid protection—neonatal chest radiography [letter] Russell JG, et al. **Radiography** 1986 Jan–Feb;52(601):54

RADIOGRAPHY

Osteoblastic metastases from thyroid carcinoma. Bhushan B et al. **Br J Radiol** 1985 Jun;58(690):563–5
An unusual presentation of thyroid papillary carcinoma: enlargement of a cervical intervertebral foramen. Roberts L Jr, et al. **Comput Radiol** 1986 Jan–Feb;10(1):45–9
Radiologic manifestations of the syndrome of neurocrest and colonic tumors. Shapir J, et al. **Gastrointest Radiol** 1985; 10(4):383–6
[Possibilities and value of percutaneous radiotherapy of malignant thyroid tumors] Steidle B, et al. **Roentgenpraxis** 1986 Mar;39(3):97–100 (Ger)
[Diagnosis of malignant thyroid tumors by indirect thyroid lymphography] Serpukhovitin SIu, et al. **Probl Endokrinol (Mosk)** 1985 May–Jun;31(3):9–12 (Eng. Abstr.) (Rus)

RADIONUCLIDE IMAGING

A demonstration of simultaneous thyroid and parathyroid adenomata, situated in the same anatomic level. Garty I, et al. **Clin Nucl Med** 1986 Jun;11(6):430–1
Co-existent parathyroid adenoma and thyroid carcinoma. Nonspecificity of dual tracer parathyroid imaging for parathyroid lesions. Intenzo C, et al. **Clin Nucl Med** 1985 Aug;10(8):560–1
Diffuse radioiodine lung uptake in miliary thyroid carcinoma metastases. Manier SM, et al. **Clin Nucl Med** 1985 Dec; 10(12):872–3
Reverse discordant behavior in microfollicular adenoma of thyroid. Case report. Patel BR, et al. **Clin Nucl Med** 1985 Sep;10(9):653–4
Preoperative scintigraphic detection of cervical metastases from thyroid carcinoma with technetium-99m pertechnetate. Vieras F. **Clin Nucl Med** 1985 Aug; 10(8):567–9
Uptake of 131I-MIBG by medullary carcinoma of thyroid in familial cases. Coutris G, et al. **Eur J Nucl Med** 1986; 12(2):77–9
Medullary-thyroid-carcinoma imaging in an animal model: use of radiolabeled anticalcitonin F(ab')2 and meta-iodobenzylguanidine. Guilloteau D, et al. **Eur J Nucl Med** 1985;11(6–7):198–200
Diagnostic value of early and delayed 201Tl thyroid scintigraphy in the evaluation of cold nodules for malignancy. Henze E, et al. **Eur J Nucl Med** 1986; 11(11):413–6
Detection of metastatic medullary thyroid cancer with 131I-MIBG scans in Sipple's syndrome. Itoh H, et al. **Eur J Nucl Med** 1986;11(12):502–4
Computer-assisted radionuclide perfusion study in solitary cold thyroid nodules for diagnosis of malignancy. Prakash R, et al. **Eur J Nucl Med** 1985;11(5):143–6
Complementary role of whole body scan and serum thyroglobulin determination in the follow-up of differentiated thyroid carcinoma. Ronga G, et al. **Ital J Surg Sci** 1986;16(1):11–5
Hyperthyroidism with metastatic follicular thyroid carcinoma. Chapman CN, et al. **J Nucl Med** 1984 Apr; 25(4):466–8
Poor results with technetium-99m (V) DMS and iodine-131 MIBG in the imaging of medullary thyroid carcinoma. Hilditch TE, et al. **J Nucl Med** 1986 Jul;27(7):1150–3
Bone and liver images in medullary carcinoma of the thyroid gland: concise communication. Johnson DG, et al. **J Nucl Med** 1984 Apr;25(4):419–22
Spurious thyroid cancer metastasis: saliva contamination artifact in high dose iodine-131 metastases survey. Park HM, et al. **J Nucl Med** 1986 May;27(5):634–6
Medullary thyroid carcinoma: radiotracers in therapy and evaluation of primary or metastatic sites. Spencer RP. **J Nucl Med** 1984 Apr;25(4):514–6
Imaging of metastatic medullary carcinoma of the thyroid with 131I-meta-iodobenzyl guanidine. Poston GJ, et al. **Nucl Med Commun** 1986 Apr;7(4):215–21
Localization of residual medullary thyroid cancer by thallium/technetium scintigraphy. Talpos GB, et al. **Surgery** 1985 Dec;98(6):1189–96
99mTc(V)-dimercaptosuccinic acid scintigraphy for medullary thyroid carcinoma. Miyauchi A, et al. **World J Surg** 1986 Aug;10(4):640–5
[A comparative study of thyroid adenoma under isotope scanning and transmission electron microscopy (TEM)] Liu J. **Chung-hua Ping Li Hsueh Tsa Chih** 1985 Jun;14(2):133–4 (Chi)
[Medullary thyroid cancer may take up meta-iodobenzylguanidine (letter)] Krempf M, et al. **Presse Med** 1985 Sep 7;14(29):1560–1 (Fre)
[Value of preoperative nuclear medicine diagnosis in hyperthyroidism and thyroid cancer] Börner W, et al. **Langenbecks Arch Chir** 1985;366:39–44 (Eng. Abstr.) (Ger)
[Scintigraphic visualization of a distant metastasis from a follicular thyroid carcinoma using 99mTc pertechnetate prior to thyroidectomy. Case report] Fritsch S, et al. **ROFO** 1986 Jan;144(1):107–9 (Ger)
[Case report from practice (39)] Häfliger B. **Schweiz Rundsch Med Prax** 1985 Oct 1;74(40):1093–4 (Ger)
[Three cases of autonomously functioning thyroid nodules] Morita M, et al. **Rinsho Hoshasen** 1985 Jul;30(7):817–9 (Eng. Abstr.) (Jpn)

RADIOTHERAPY

The long-term hazards of the treatment of thyroid cancer with radioiodine. Edmonds CJ, et al. **Br J Radiol** 1986 Jan;59(697):45–51
Treatment rationale in thyroid carcinoma. Effect of scan dose. Ramanna L, et al. **Clin Nucl Med** 1985 Oct; 10(10):687–9
Evaluation of low-dose radioiodine ablation therapy in postsurgical thyroid cancer patients. Ramanna L, et al. **Clin Nucl Med** 1985 Nov;10(11):791–5
Radioactive iodine treatment of metastatic thyroid carcinoma with clinical thyrotoxicosis. Smith R, et al. **Clin Nucl Med** 1985 Dec;10(12):874–5
Radiotherapy for thyroid tumors and thyrotoxicosis. Owen JR. **Ear Nose Throat J** 1985 Aug;64(8):384–8
Cerebral edema following iodine-131 therapy for thyroid carcinoma metastatic to the brain. Datz FL. **J Nucl Med** 1986 May;27(5):637–40
Iodine-131 treatment of thyroid cancer: absorbed dose calculated from post-therapy scans. Koral KF, et al. **J Nucl Med** 1986 Jul;27(7):1207–11
Postoperative external irradiation in thyroid carcinoma: a clinical experience of 20 treated patients and literature radiotherapy review. Ampil FL. **J Surg Oncol** 1985 Oct; 30(2):83–90
Clinical results with fast neutrons (DT, 14 MeV). Franke HD, et al. **Radiat Med** 1985 Jul–Sep;3(3):151–60
Quantitative approach to radioiodine ablation of thyroid remnants following surgery for thyroid cancer. Hadjieva T. **Radiobiol Radiother (Berl)** 1985;26(6):819–23
[Cancer of the thyroid in the developmental age] Zilli L, et al. **Minerva Chir** 1986 Mar 31;41(5–6):337–41 (Ita)
[The role of radiotherapy in the treatment of non-Hodgkin's lymphoma of the thyroid] Ikeda H, et al. **Gan No Rinsho** 1986 Mar;32(3):225–33 (Eng. Abstr.) (Jpn)
[Radiation-induced bilateral common carotid artery stenosis—a report of a case] Kobayashi N, et al. **No Shinkei Geka** 1986 Mar;14(3 Suppl):373–7 (Eng. Abstr.) (Jpn)

SECONDARY

Renal-cell carcinoma metastatic to the thyroid. Aspiration cytology and histologic findings. Lasser A, et al. **Acta Cytol (Baltimore)** 1985 Sep–Oct;29(5):856–8
Benign intracardiac thyroid mass causing right ventricular outflow tract obstruction. Shemin RJ, et al. **Am J Cardiol** 1985 Nov 1;56(12):828–9
Identification of unsuspected thyroid carcinoma using immunoperoxidase for thyroglobulin. Meyers FJ, et al. **Am J Med** 1986 Jul;81(1):177–9
Clinical and pathologic correlations in disease metastatic to the thyroid gland. McCabe DP, et al. **Am J Surg** 1985 Oct;150(4):519–23
Prognostic significance of thyroid gland involvement in laryngeal carcinoma. Gilbert RW, et al. **Arch Otolaryngol Head Neck Surg** 1986 Aug;112(8):856–9
A thyroid nodule representing metastatic renal carcinoma. Mailander JC, et al. **Clin Nucl Med** 1985 Sep;10(9):650–2
The thyroid gland in the management of carcinoma of the larynx and laryngopharynx. Bahadur S, et al. **J Laryngol Otol** 1985 Dec;99(12):1251–3
Thyroiditis mimicked by metastatic carcinoma to the thyroid [letter] Tibaldi JM, et al. **Mayo Clin Proc** 1986 May; 61(5):399–400
[A case of distant metastasis of renal cancer to the thyroid gland] Staroslawska E. **Wiad Lek** 1985 Nov 15; 38(22):1606–8 (Eng. Abstr.) (Pol)

SECRETION

The insidious development of symptomatic secondary hormone syndromes in patients with malignant endocrine tumors. Lind SE, et al. **Am J Med Sci** 1985 Sep; 290(3):107–10
Disseminated calcitonin-poor medullary thyroid carcinoma in a patient with calcitonin-rich primary tumor. Ruppert JM, et al. **Am J Surg Pathol** 1986 Jul;10(7):513–8
Release of calcitonin gene-related peptide from a human medullary carcinoma of the thyroid in vitro. Ohashi M, et al. **Experientia** 1986 Jul 15;42(7):829–30
Establishment of a continuous somatostatin-producing line of medullary thyroid carcinoma cells from BALB/c mice. Tischler AS, et al. **J Endocrinol** 1986 Aug;110(2):309–13
A mucin-producing tumor in the thyroid gland. Sobrinho-Simões MA, et al. **Ultrastruct Pathol** 1985; 9(3–4):277–81

SURGERY

Surgical strategy in thyroid carcinoma: a clinical review. Lennquist S. **Acta Chir Scand** 1986 May;152:321–38 (120 ref.)
Modified radical neck dissection for metastatic carcinoma of the thyroid. A reappraisal. Sako K, et al. **Am J Surg** 1985 Oct;150(4):500–2
The surgical treatment of well-differentiated carcinoma of the thyroid. Ontai S, et al. **Am Surg** 1985 Nov;51(11):653–7
Anterior neck dissection for carcinoma of the thyroid gland. Matsuura H, et al. **Auris Nasus Larynx** 1985;12 Suppl 2:S81–4
Thyroid nodules in children. Valentín L, et al. **Bol Asoc Med PR** 1986 Mar;78(3):92–4
Management of malignancy of the thyroid gland. Hardingham M. **Ear Nose Throat J** 1985 Aug;64(8):389–93
Surgery in Graves disease and the nodular thyroid gland.

Zouves C. **Ear Nose Throat J** 1985 Aug;64(8):379–83
The value of thyroglobulin (TGL) assay in following the post–therapeutic course of differentiated thyroid cancer. Socolov C, et al. **Endocrinologie** 1986 Jan–Mar;24(1):39–43
Total thyroidectomy: the treatment of choice in differentiated thyroid carcinoma? van der Sluis RF, et al. **Eur J Surg Oncol** 1985 Dec;11(4):343–6
Clear cell carcinoma of the thyroid gland. Segal K, et al. **Head Neck Surg** 1986 Mar–Apr;8(4):313–9
Thyroid cancer: surgical experience with 322 cases. Marchegiani C, et al. **Int Surg** 1985 Apr–Jun;70(2):121–4
Conservative surgical management of invasive differentiated thyroid cancer. Shvili Y, et al. **J Laryngol Otol** 1985 Dec; 99(12):1255–60
Papillary carcinoma of the thyroid gland. Baker RR, et al. **Surg Gynecol Obstet** 1985 Dec;161(6):546–50
Hürthle cell tumors of the thyroid gland. Heppe H, et al. **Surgery** 1985 Dec;98(6):1162–5
Transsternal operations in thyroid cancer. Niederle B, et al. **Surgery** 1985 Dec;98(6):1154–61
Reoperation in the treatment of asymptomatic metastasizing medullary thyroid carcinoma. Tisell LE, et al. **Surgery** 1986 Jan;99(1):60–6
Intraoperative scintigraphy in surgical treatment of thyroid carcinoma: evaluation of a new technique. Lennquist S, et al. **World J Surg** 1986 Aug;10(4):711–7
Current results of conservative surgery for differentiated thyroid carcinoma. Rossi RL, et al. **World J Surg** 1986 Aug;10(4):612–22
[Surgical treatment of papillary carcinoma of the thyroid: analysis of 639 cases with follow-up] Zhong Z, et al. **Chung Hua Wai Ko Tsa Chih** 1984 Dec;22(12):737–40, 782 (Eng. Abstr.) (Chi)
[Surgery of the thyroid gland in children and adolescents] Nahodil V. **Rozhl Chir** 1985 Jul;64(7):504–10 (Eng. Abstr.) (Cze)
[Surgical treatment of medullary carcinoma of the thyroid gland] Vlasák V, et al. **Rozhl Chir** 1986 Apr;65(4):271–6 (Eng. Abstr.) (Cze)
[Anaplastic thyroid cancer. 50 cases over 20 years. A reappraisal] Proye C, et al. **Chirurgie** 1985;111(8):627–31 (Eng. Abstr.) (Fre)
[Malignant hemangioendothelioma of the thyroid gland] Thaler W, et al. **Chirurg** 1986 Jun;57(6):397–400 (Eng. Abstr.) (Ger)
[A so-called atypical adenoma of the thyroid in an endemic struma area] Zimmermann G, et al. **Chirurg** 1986 Jan; 57(1):27–30 (Eng. Abstr.) (Ger)
[After care in differentiated thyroid cancers. The value of thyroglobulin determination] Moser E. **Fortschr Med** 1986 Feb 20;104(7):149–52 (Eng. Abstr.) (Ger)
[Radicality principles in operations on malignant thyroid tumors] Wahl RA, et al. **Langenbecks Arch Chir** 1985; 366:61–8 (Eng. Abstr.) (Ger)
[Prognostic factors in thyroid cancer] Bretzel RG, et al. **Zentralbl Chir** 1985;110(21):1304–14 (Eng. Abstr.) (Ger)
[Diagnosis and treatment of malignant struma (based on 82 personal cases)] Ros-Die E, et al. **Zentralbl Chir** 1985; 110(21):1315–23 (Eng. Abstr.) (Ger)
[Current orientation in the surgical treatment of cancer of the thyroid] Sturniolo G, et al. **Chir Ital** 1985 Dec; 37(6):605–11 (Eng. Abstr.) (Ita)
[Diagnostic and therapeutic up-date in toxic thyroid adenoma] Califano G, et al. **Minerva Chir** 1986 Mar 31; 41(5–6):343–50 (Ita)
[Thyroid nodular pathology in old age] Canonico S, et al. **Minerva Chir** 1986 Apr 15;41(7):563–5 (Ita)
[Cancer of the thyroid in the developmental age] Zilli L, et al. **Minerva Chir** 1986 Mar 31;41(5–6):337–41 (Ita)
[Postoperative follow-up in differentiated carcinoma of the thyroid gland] Pandolfi C. **Minerva Med** 1986 Jun 30; 77(27):1317–9 (Eng. Abstr.) (Ita)
[Surgical and postsurgical therapy of differentiated carcinomas of the thyroid] Pandolfi C. **Minerva Med** 1986 Jul 14;77(28–29):1355–7 (15 ref.) (Eng. Abstr.) (Ita)
[Difficult intubation in tracheobronchopathia osteochondroplastica] Kamura R, et al. **Masui** 1985 Sep; 34(9):1272–4 (Eng. Abstr.) (Jpn)
[Study on extensive lymph node dissection: metastatic lymph nodes in papillary carcinoma of the thyroid] Mizuno S, et al. **Nippon Geka Gakkai Zasshi** 1986 Aug;87(8):883–8 (Eng. Abstr.) (Jpn)
[Clinical studies on pulmonary metastases from differentiated thyroid carcinoma—characteristics of patients with pulmonary metastases which appear before thyroid operation or afterward] Ozaki O, et al. **Nippon Geka Gakkai Zasshi** 1986 Jan;87(1):79–83 (Eng. Abstr.) (Jpn)
[Clinical study on pulmonary metastases of differentiated thyroid carcinoma—with special reference to the extent of thyroid resection and RI therapy] Ozaki O, et al. **Nippon Geka Gakkai Zasshi** 1985 Dec;86(12):1596–9 (Eng. Abstr.) (Jpn)
[Reevaluation of the surgical treatment of thyroid nodules diagnosed as cancer postoperatively] Tsuji Y, et al. **Nippon Geka Gakkai Zasshi** 1986 May;87(5):558–63 (Eng. Abstr.) (Jpn)
[Simultaneous total thyroidectomy and thymectomy in myasthenia gravis associated with cancer of the thyroid gland] Briusov PG. **Grudn Khir** 1985 Sep–Oct;(5):83–4 (Rus)
[Randomized cooperative studies of the surgical treatment of cancer of the thyroid gland] Ol'shanskiĭ VO, et al. **Sov Med** 1986;(4):92–5 (Rus)
[Characteristics of thyroid cancer in combination with autoimmune thyroiditis] Privalov VA, et al. **Vestn Khir** 1986 Jan;136(1):53–6 (Eng. Abstr.) (Rus)

THERAPY

Radiation-induced thyroid carcinoma. Clinical course and results of therapy in 296 patients. Schneider AB, et al. **Ann Intern Med** 1986 Sep;105(3):405–12
Delayed aerodigestive tract complications following combined therapy for thyroid cancer. Grossman TW, et al. **Ann Otol Rhinol Laryngol** 1985 Sep–Oct;94(5 Pt 1):505–8
A combined modality for anaplastic large-cell carcinoma of the thyroid. Kasai N, et al. **Auris Nasus Larynx** 1985;12 Suppl 2:S72–4
Evaluation of prophylactic postoperative 131I therapy for extended differentiated carcinoma of the thyroid gland. Nagahara K, et al. **Auris Nasus Larynx** 1985;12 Suppl 2:S67–71
Treatment of thyroid cancer. Blahd WH. **Compr Ther** 1985 Sep;11(9):26–32
New therapeutic approach for mixed anaplastic carcinoma of the thyroid. St. Cyr JA, et al. **Miss Med** 1985 Dec; 68(12):893, 895–6, 901
Difficult decisions in the management of thyroid carcinoma. Friedman M, et al. **Otolaryngol Clin North Am** 1986 Aug; 19(3):463–73
[Spindle-giant cell carcinoma of the thyroid] Tarquini A, et al. **Minerva Chir** 1985 Dec 15–31;40(23–24):1685–8 (Eng. Abstr.) (Ita)
[Complete remission in a case of concurrent breast and thyroid cancers with metastatic spinal paralysis] Ohganè T, et al. **Gan To Kagaku Ryoho** 1986 Aug;13(8):2667–70 (Eng. Abstr.) (Jpn)

ULTRASTRUCTURE

Angiosarcoma of the thyroid. An immunohistochemical and ultrastructural study of a case in a Chinese patient. Chan YF, et al. **Cancer** 1986 Jun 15;57(12):2381–8
Fine structure of crystalloid inclusions in the nucleus of thyroid medullary carcinoma cells. Kera K, et al. **J Electron Microsc (Tokyo)** 1985;34(3):156–61
Amphicrine—composite calcitonin and mucin-producing—carcinoma of the thyroid. Golouh R, et al. **Ultrastruct Pathol** 1985;8(2–3):197–206
Hürthle-cell lesions of the thyroid: a combined study using transmission electron microscopy, scanning electron microscopy, and immunocytochemistry. Nesland JM, et al. **Ultrastruct Pathol** 1985;8(4):269–90
Organoid tumor in the thyroid gland. Nesland JM, et al. **Ultrastruct Pathol** 1985;9(1–2):65–70
Hürthle cell and mitochondrion-rich papillary carcinomas of the thyroid gland: an ultrastructural and immunocytochemical study. Sobrinho-Simões MA, et al. **Ultrastruct Pathol** 1985;8(2–3):131–42
Ultrastructural demonstration of calcitonin in osmium-fixed human medullary carcinoma of thyroid by the protein A–colloidal gold technique. Suzuki T, et al. **Virchows Arch [A]** 1985;407(4):407–17

VETERINARY

Clinical and pathologic features of thyroid tumors in 26 dogs. Harari J, et al. **J Am Vet Med Assoc** 1986 May 15; 188(10):1160–4
Work intolerance in a horse with thyroid carcinoma. Held JP, et al. **J Am Vet Med Assoc** 1985 Nov 15;187(10):1044–5
Undifferentiated spindle cell carcinoma of the thyroid in a dog. Anderson PG, et al. **Vet Pathol** 1986 Mar;23(2):203–4
Medullary thyroid carcinoma in two cows. Bundza A, et al. **Vet Pathol** 1986 Jan;23(1):90–2

THYROID PEROXIDASE see **IODIDE PEROXIDASE**

THYROID STIMULATING HORMONE see **THYROTROPIN**

THYROID STIMULATOR, LONG-ACTING see **LONG-ACTING THYROID STIMULATOR**

THYROIDECTOMY

Endocrine control of extrathyroidal peroxidases and iodide metabolism. De SK, et al. **Acta Endocrinol (Copenh)** 1985 Nov;110(3):383–7
The effect of maternal thyroidectomy prior to conception on foetal brain development in sheep. Potter BJ, et al. **Acta Endocrinol (Copenh)** 1986 May;112(1):93–9
Antihypertensive effect of thyroidectomy in SHR: associated changes in heart performance. Rodgers RL, et al. **Am J Physiol** 1986 Apr;250(4 Pt 2):H600–5
Thyroidectomy of SHR: effects on ventricular relaxation and on SR calcium uptake activity. Rodgers RL, et al. **Am J Physiol** 1986 May;250(5 Pt 2):H861–5
Extrarenal handling of phosphate: effect of thyroparathyroidectomy, 1,25-dihydroxycholecalciferol, and dietary calcium. Troehler U, et al. **Am J Physiol** 1985 Dec;249(6 Pt 2):F912–8
Long-acting beta-adrenergic antagonists as preparation for surgery in thyrotoxicosis. Gerst PH, et al. **Arch Surg** 1986 Jul;121(7):838–40
Changes in phosphofructokinase and pyruvate kinase in rat brain following thyroidectomy. Srivastava LK, et al. **Biochem Int** 1985 Oct;11(4):491–500
Complications of non-absorbable ligatures in thyroid surgery. Hall CN, et al. **Br J Clin Pract** 1985 Aug;39(8):307–9
Secretory granules of prolactin cells of neonatally thyroidectomized female rats. Shiino M, et al. **Cell Tissue Res** 1985;242(1):179–83
Influence of thyroidectomy on brain catecholamines during the postnatal period. Leret ML, et al. **Comp Biochem Physiol [C]** 1986;83(1):117–21
Resolution of thyroid-induced schizophreniform disorder following subtotal thyroidectomy: case report. Lazarus A, et al. **Gen Hosp Psychiatry** 1986 Jan;8(1):29–31
Surgery of toxic goiter: indications and long-term results. Califano G, et al. **Ital J Surg Sci** 1985;15(3):233–7
Effect of unilateral or bilateral thyroidectomy on TRH content of hypothalamus halves. Gerendai I, et al. **J Endocrinol Invest** 1985 Aug;8(4):321–3
Pseudotumor cerebri and thyroid-replacement therapy in patients affected by differentiated thyroid carcinoma. Panza N, et al. **J Endocrinol Invest** 1985 Aug;8(4):357–8
Binding of bovine thyrotropin to specific sites in thyroid tissue from control and hemithyroidectomized rats. Clark OH, et al. **J Surg Res** 1985 Dec;39(6):489–98
Thyroid function after surgery for autonomous and non-autonomous nodular endemic goitre—effect of iodide-substitution. Wahl RA, et al. **Klin Wochenschr** 1985 Sep 2;63(17):812–20
Infiltration of adrenaline before thyroidectomy [letter] Mair IM. **Lancet** 1971 Dec 11;2(7737):1324
Blood pressure effects of acute hypercalcemia in normal subjects and thyroparathyroidectomized patients. Gennari C, et al. **Miner Electrolyte Metab** 1985;11(6):369–73
Thyroidectomy abolishes pulsatile growth hormone secretion without affecting hypothalamic somatostatin. Martin D, et al. **Neuroendocrinology** 1985 Dec;41(6):476–81
Expression of chronic thyroparathyroidectomy on phosphate transport in whole kidney and proximal luminal membranes during phosphate deprivation. Caverzasio J, et al. **Pflugers Arch** 1985 Dec;405(4):395–9
Effect of saline infusion on net reabsorption of endogenous sulfate relative to that of phosphate in intact and thyroparathyroidectomized rats. Frick A, et al. **Pflugers Arch** 1986 Apr;406(4):387–91
Postural EMG activity in the soleus muscle of adult rats following thyroidectomy. Hnik P, et al. **Physiol Bohemoslov** 1985;34(6):574–6
Betablockers compared with antithyroid drugs as preoperative treatment in hyperthyroidism: drug tolerance, complications, and postoperative thyroid function. Lennquist S, et al. **Surgery** 1985 Dec;98(6):1141–7
Reoperation in the treatment of asymptomatic metastasizing medullary thyroid carcinoma. Tisell LE, et al. **Surgery** 1986 Jan;99(1):60–6
Thyroidectomy for life threatening giant familial goitre. Huizinga WK, et al. **Trop Geogr Med** 1986 Mar; 38(1):96–100
Treatment of toxic multinodular goiter (Plummer's disease): surgery or radioiodine? Jensen MD, et al. **World J Surg** 1986 Aug;10(4):673–80
[Surgery of the thyroid gland in children and adolescents] Nahodil V. **Rozhl Chir** 1985 Jul;64(7):504–10 (Eng. Abstr.) (Cze)
[The nonrecurrent inferior laryngeal nerve. Apropos of 19 cases including 2 on the left side] Henry JF, et al. **J Chir (Paris)** 1985 Jun–Jul;122(6–7):391–7 (Eng. Abstr.) (Fre)
[Subtotal thyroid resection in severe, iodine-induced hyperthyroidism] Hintze G, et al. **Chirurg** 1985 Sep; 56(9):594–8 (Eng. Abstr.) (Ger)
[Operative indications and surgical procedure in iodine-induced hyperthyroidism] Dralle H, et al. **Langenbecks Arch Chir** 1985;365(2):79–89 (Eng. Abstr.) (Ger)
[Surgical treatment of hyperthyroid struma: surgery results, postoperative long-term course and study of a factor connected with recurrences] Teuscher J, et al. **Schweiz Med Wochenschr** 1985 Sep 21;115(38):1282–8 (Eng. Abstr.) (Ger)
[Serum thyrotropin binding inhibitory immunoglobulin (TBII) activity before and after subtotal thyroidectomy in Grave's disease] Hoshi T, et al. **Nippon Geka Gakkai Zasshi** 1985 Nov;86(11):1538–45 (Eng. Abstr.) (Jpn)
[Clinical study on pulmonary metastases of differentiated thyroid carcinoma—with special reference to the extent of thyroid resection and RI therapy] Ozaki O, et al. **Nippon Geka Gakkai Zasshi** 1985 Dec;86(12):1596–9 (Eng. Abstr.) (Jpn)
[Effect of hypo- and hyperthyroidism, and hypothalamic ventromedial lesions on the plasma growth hormone response to human growth hormone-releasing factor in rats] Tonegawa Y. **Nippon Ika Daigaku Zasshi** 1985 Dec; 52(6):624–32 (Eng. Abstr.) (Jpn)
[Surgical treatment of thyrotoxicosis. A prospective study of 109 patients pretreated with propranolol] Solem JH, et al. **Tidsskr Nor Laegeforen** 1986 Apr 10;106(9):729–31 (Eng. Abstr.) (Nor)
[Preoperative care and surgical treatment of patients with toxic goiter] Cherenko MP, et al. **Klin Khir** 1985;(12):1–4

(Eng. Abstr.) (Rus)
[Use of medical glues MK-6 and KL-3 in surgical endocrinology] Komissarenko IV, et al. **Klin Khir** 1985; (12):19-20 (Eng. Abstr.) (Rus)
[TRH test after subtotal thyroid resection for diffuse toxic goiter] Ibragim Md, et al. **Probl Endokrinol (Mosk)** 1985 Nov-Dec;31(6):12-6 (Eng. Abstr.) (Rus)
[Postoperative hypothyroidism] Ibragim MD, et al. **Sov Med** 1986;(1):78-81 (Rus)

ADVERSE EFFECTS

Psychiatric morbidity following total and partial thyroidectomy. Berrios GE, et al. **Acta Psychiatr Scand** 1985 Oct;72(4):369-73
Calcitonin deficit syndrome in thyroidectomized patients. Sianesi M, et al. **Ital J Surg Sci** 1985;15(2):145-8
Early onset of tetany following thyroidectomy: report of two cases. Scanlon EF, et al. **J Surg Oncol** 1985 Aug; 29(4):222-3
Postoperative thyroid storm after lithium preparation. Reed J, et al. **Surgery** 1985 Nov;98(5):983-6
[Hypoparathyroidism after surgery of the thyroid gland] Neradilová M, et al. **Rozhl Chir** 1986 Apr;65(4):277-83 (Eng. Abstr.) (Cze)
[Postoperative thyroidal arteriovenous fistula of late manifestation or disclosed 14 years after thyroidectomy] Economou C, et al. **J Chir (Paris)** 1986 Jan;123(1):25-6 (Eng. Abstr.) (Fre)
[Intra- and postoperative complications in surgery of the thyroid gland] Palestini N, et al. **Chir Ital** 1985 Aug; 37(4):367-77 (Eng. Abstr.) (Ita)
[Complications of reintervention in thyroid surgery. Our experience] Piccini PI, et al. **Minerva Chir** 1986 Apr 15; 41(7):567-8 (Ita)
[Hyperglycemia hyperosmolar nonketotic coma in a subject with post-thyroidectomy hypothyroidism] Rinaldi C, et al. **Minerva Endocrinol** 1985 Jul-Sep;10(3):193-6 (Eng. Abstr.) (Ita)
[Postoperative hypothyroidism] Kalinin AP, et al. **Ter Arkh** 1986;58(3):141-6 (42 ref.) (Rus)
[Hypocalcemia after surgery of the thyroid for non-toxic goiter] Aguilar Diosdado M, et al. **Rev Clin Esp** 1986 Mar; 178(4):155-7 (Eng. Abstr.) (Spa)

ECONOMICS

[Economic effectiveness of the multipurpose preoperative management of patients with thyrotoxicosis] Lukomskil GI, et al. **Khirurgiia (Mosk)** 1985 Dec;(12):78-80 (Eng. Abstr.) (Rus)

METHODS

Indications for performing hemithyroidectomy for tumors requiring total laryngectomy. Biel MA, et al. **Am J Surg** 1985 Oct;150(4):435-9
Thyroidectomy. Russell RC. **Br J Hosp Med** 1986 May; 35(5):327-30
Total thyroidectomy: the treatment of choice in differentiated thyroid carcinoma? van der Sluis RF, et al. **Ear J Surg Oncol** 1985 Dec;11(4):343-6
The role of propranolol in the preoperative preparation of patients with Graves' disease. Lee KS, et al. **Surg Gynecol Obstet** 1986 Apr;162(4):365-9
Thyroid function after hemithyroidectomy for benign nodules. Cheung P, et al. **World J Surg** 1986 Aug; 10(4):718-23
[Subtotal subcapsular strumectomy] Cholakov D. **Khirurgiia (Sofiia)** 1985;38(6):105-6 (Bul)
[Radicality principles in operations on malignant thyroid tumors] Wahl RA, et al. **Langenbecks Arch Chir** 1985; 366:61-8 (Eng. Abstr.) (Ger)
[Simultaneous total thyroidectomy and thymectomy in myasthenia gravis associated with cancer of the thyroid gland] Briusov PG. **Grudn Khir** 1985 Sep-Oct;(5):83-4 (Rus)
[Extent of thyroid resection in diffuse toxic goiter in relation to its macro- and microstructure] Tanasienko ID, et al. **Klin Khir** 1985;(12):4-6 (Eng. Abstr.) (Rus)
[Surgical treatment of autoimmune thyroiditis] Bazarova EN, et al. **Probl Endokrinol (Mosk)** 1985 Sep-Oct;31(5):78-81 (Eng. Abstr.) (Rus)
[Randomized cooperative studies of the surgical treatment of cancer of the thyroid gland] Ol'shanskii VO, et al. **Sov Med** 1986;(4):92-5 (Rus)
[Surgical treatment of nodular goiter (on the article "Tactics in the surgical treatment of nodular formations in the thyroid in endemic goiter areas")] Valdina EA. **Vestn Khir** 1985 Nov;135(11):121-4 (Rus)

THYROIDITIS

Thyroiditis. Strakosch CR. **Aust NZ J Med** 1986 Feb; 16(1):91-100 (93 ref.)
Thyroiditis: a clinical update. Hay ID. **Mayo Clin Proc** 1985 Dec;60(12):836-43 (40 ref.)

BLOOD

Juvenile autoimmune thyroiditis. Hormonal status at presentation and after long-term follow-up. Sklar CA, et al. **Am J Dis Child** 1986 Sep;140(9):877-80

CHEMICALLY INDUCED

Autoimmune thyroiditis in manic-depresaive patients treated with lithium. Calabrese JR, et al. **Am J Psychiatry** 1985 Nov;142(11):1318-21

CLASSIFICATION

[Classification of asymptomatic autoimmune thyroiditis by thyrotropin-releasing hormone loading] Notsu K, et al. **Nippon Naibunpi Gakkai Zasshi** 1986 Mar 20;62(3):141-8 (Eng. Abstr.) (Jpn)

COMPLICATIONS

Late hypothyroidism following subacute thyroiditis. Gozariu L, et al. **Exp Clin Endocrinol** 1986 Jun;87(1):48-52
The painful thyroid [editorial] **Lancet** 1986 Jun 7; 1(8493):1308-9
[Personal experience with changes in the locomotor system in thyroiditis] Tellerová K, et al. **Vnitr Lek** 1986 Jan; 32(1):73-8 (Eng. Abstr.) (Cze)
[Idiopathic retroperitoneal fibrosis associated with Riedel's thyroiditis (letter)] Lacroix G, et al. **Presse Med** 1985 Oct 5;14(33):1755-6 (Fre)
[A case of type I diabetes mellitus associated with chronic thyroiditis and thyroid cancer] Shio H, et al. **Nippon Naika Gakkai Zasshi** 1986 Jan;75(1):46-50 (Jpn)
[A case of asymptomatic primary biliary cirrhosis with chronic thyroiditis and triple cancers] Watanabe Y, et al. **Nippon Naika Gakkai Zasshi** 1986 Jan;75(1):57-61 (Jpn)
[Thyrotoxicosis preceded by hypothyroidism in a case of chronic thyroiditis with Graves' ophthalmopathy] Yamamoto T, et al. **Nippon Naika Gakkai Zasshi** 1985 Oct; 74(10):1414-9 (Jpn)
[Diffuse toxic goiter associated with autoimmune thyroiditis] Natarov VV, et al. **Probl Endokrinol (Mosk)** 1985 Jul-Aug; 31(4):13-6 (Eng. Abstr.) (Rus)

DIAGNOSIS

Painless giant cell thyroiditis diagnosed by fine needle aspiration and associated with intense thyroidal uptake of gallium. Sanders LR, et al. **Am J Med** 1986 May; 80(5):971-5
The various presentations of thyroiditis. Diagnostic considerations. Hamburger JI. **Ann Intern Med** 1986 Feb; 104(2):219-24 (51 ref.)
Euthyroid atypical subacute thyroiditis simulating systemic or malignant disease. Rotenberg Z, et al. **Arch Intern Med** 1986 Jan;146(1):105-7
Echographic findings and histological feature of the thyroid: a reverse relationship between the level of echo-amplitude and lymphocytic infiltration. Yoshida A, et al. **Endocrinol Jpn** 1985 Oct;32(5):681-90
Thyroiditis. Woolf PD. **Med Clin North Am** 1985 Sep; 69(5):1035-48
Is that sore throat subacute thyroiditis? [letter] Croxson M. **NZ Med J** 1986 Jan 22;99(794):23
[A case from practice (58). Patient: R.Z., born 28 July 1953 (Quervain's thyroiditis)] Müller V. **Schweiz Rundsch Med Prax** 1986 Jul 8;75(28):868-9 (Ger)
[Atypical course of Riedel's thyroiditis] Kuriata D, et al. **Pol Tyg Lek** 1986 Feb 3;41(5):151-2 (Eng. Abstr.) (Pol)
[3 cases of de Quervain's thyroiditis] Paliszewska L. **Pol Tyg Lek** 1986 Feb 3;41(5):148-50 (Eng. Abstr.) (Pol)
[Subacute thyroiditis. Clinical, hormonal, aspiration biopsy and immunologic study in 16 cases] Bellido D, et al. **Rev Clin Esp** 1985 Nov;177(7):314-7 (Eng. Abstr.) (Spa)
[Subacute thyroiditis. A cause of prolonged fever (letter)] Estopiñán V, et al. **Rev Clin Esp** 1986 Feb;178(2):96-7 (Spa)
[Subacute thyroiditis. Clinical presentation (letter)] Gaspar G, et al. **Rev Clin Esp** 1986 Apr;178(6):313-4 (Spa)

ENZYMOLOGY

[Changes in dipeptidyl-peptidase IV activity in human serum in pathological conditions of the thyroid gland] Sedo A, et al. **Cas Lek Cesk** 1985 Dec 20;124(51):1579-81 (Eng. Abstr.) (Cze)

ETIOLOGY

Granulomatous thyroid disorders. Salvatore G, et al. **Arch Monaldi** 1984 Sep-Dec;39(5-6):329-35
Differential effects of thyroxine on immune development and autoimmune thyroiditis in the obese strain chicken. Gause WC, et al. **Dev Comp Immunol** 1985 Summer;9(3):465-75
Acute suppurative thyroiditis. Elias AN, et al. **J Otolaryngol** 1985 Feb;14(1):17-9
Capnocytophaga ochracea and group F beta-hemolytic streptococcus suppurative thyroiditis. Goudreau E, et al. **J Otolaryngol** 1986 Feb;15(1):59-61
[Congenital piriformo-thyroid fistula as a cause of recurrent suppurative thyroiditis] Schlamp D, et al. **Monatsschr Kinderheilkd** 1986 Jul;134(7):475-7 (Eng. Abstr.) (Ger)
[Studies on the pathogenesis of subacute thyroiditis] Kobayashi N, et al. **Nippon Naibunpi Gakkai Zasshi** 1985 Jul 20;61(7):737-43 (Eng. Abstr.) (Jpn)
[Immunological disorders and their role in the development of diseases of the thyroid gland] Epishin AV, et al. **Klin Med (Mosk)** 1986 Mar;64(3):27-32 (79 ref.) (Rus)

FAMILIAL & GENETIC

Spontaneous autoimmune thyroiditis in obese strain chickens: a genetic analysis of target organ abnormalities. Neu N, et al. **Clin Immunol Immunopathol** 1985 Dec;37(3):397-405
Genetic analysis of subacute (de Quervain's) thyroiditis. Goto H, et al. **Tissue Antigens** 1985 Aug;26(2):110-3

IMMUNOLOGY

Antigenic determinants on thyroglobulin recognized by T cells in patients with chronic thyroiditis. Shimojo N, et al. **Acta Endocrinol (Copenh)** 1986 Apr;111(4):481-6
Humoral autoimmune manifestation in subacute thyroiditis. Bliddal H, et al. **Allergy** 1985 Nov;40(8):599-604
Elevation of anti-DNA antibody titer during thyrotoxic phase of silent thyroiditis. Tajiri J, et al. **Arch Intern Med** 1986 Aug;146(8):1623-4
Post-partum thyroiditis and goitrous (Hashimoto's) thyroiditis are associated with HLA-DR4. Thompson C, et al. **Immunol Lett** 1985;11(5-6):301-3
Induction of autoimmune diseases with adjuvants: separation of delayed hypersensitivity and antibody formation from diseases in experimental thyroiditis and aspermatogenesis with Legionella adjuvant. McMaster PR, et al. **Int Arch Allergy Appl Immunol** 1986;80(1):1-8
Materno-embryonally transferred antibodies precipitate autoimmune thyroiditis in obese strain (OS) chickens. Katz DV, et al. **J Immunol** 1986 Jul 15;137(2):542-5
Production of anti-thyroglobulin antibody by blood lymphocytes from patients with autoimmune thyroiditis, induced by the insolubilized autoantigen. Logtenberg T, et al. **J Immunol** 1986 Feb 15;136(4):1236-40
In vitro T cell proliferation and cytotoxicity in murine autoimmune thyroiditis. Kong YM, et al. **Mt Sinai J Med (NY)** 1986 Jan;53(1):46-52
Induction of autoimmune thyroiditis in chickens by dietary iodine. Bagchi N, et al. **Science** 1985 Oct 18; 230(4723):325-7
[Properties of a suppressive T-cell factor regulating anti-thyroglobulin antibody formation in the lymphocytes of chronic thyroiditis patients] Noma T, et al. **Arerugi** 1986 Feb;35(2):77-85 (Eng. Abstr.) (Jpn)
[The relationship between serum IAP and peripheral K cells in patients with subacute thyroiditis] Fukazawa H, et al. **Nippon Naibunpi Gakkai Zasshi** 1985 Jun 20;61(6):690-700 (Eng. Abstr.) (Jpn)
[Investigations on the mechanism(s) of the production of anti-thyroid hormone antibodies 4: the effect of adjuvant on the immune response to human thyroglobulin] Sakata S, et al. **Nippon Naibunpi Gakkai Zasshi** 1985 Aug 20; 61(8):794-801 (Eng. Abstr.) (Jpn)
[Clinico-immunologic research in subacute thyroiditis] Epishin AV, et al. **Klin Med (Mosk)** 1985 Dec;63(12):67-70 (Rus)

METABOLISM

Thyroid function in mice with experimental autoimmune thyroiditis. Vladutiu AO, et al. **Clin Exp Immunol** 1985 Aug;61(2):257-64
Thyroid iodine content and serum thyroglobulin: cues to the natural history of destruction-induced thyroiditis. Smallridge RC, et al. **J Clin Endocrinol Metab** 1986 Jun; 62(6):1213-9

OCCURRENCE

Silent thyroiditis [letter] Tajiri J, et al. **Arch Intern Med** 1986 Aug;146(8):1644
Low incidence of painless thyroiditis in the Philadelphia area. Schorr AB, et al. **Clin Nucl Med** 1986 Jun;11(6):379-80

PATHOLOGY

Plasma cells in aspirates of goitre and overt permanent hypothyroidism following subacute thyroiditis. Preliminary report. Hnilica P, et al. **Endocrinol Exp (Bratisl)** 1985 Dec; 19(4):221-6
Sinus histiocytosis with massive lymphadenopathy simulating subacute thyroiditis. Larkin DF, et al. **Hum Pathol** 1986 Mar;17(3):321-4
Thyroiditis mimicked by metastatic carcinoma to the thyroid [letter] Tibaldi JM, et al. **Mayo Clin Proc** 1986 May; 61(5):399-400
[Diagnosis and prognosis of various forms of thyroiditis] Federlin K, et al. **Lebensversicherungsmedizin** 1985 Nov 1;37(6):168-71 (Eng. Abstr.) (Ger)

PREVENTION & CONTROL

In vivo prevention of thyroid and pancreatic autoimmunity in the BB rat by antibody to class II major histocompatibility complex gene products. Boitard C, et al. **Proc Natl Acad Sci USA** 1985 Oct;82(19):6627-31

RADIOGRAPHY

Routes of infection of acute suppurative thyroiditis diagnosed by barium examination. Ueda J, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Mar-Apr;27(2):209-11
Retropharyngeal soft-tissue swelling in an elderly man. Yang RD, et al. **JAMA** 1986 Jun 20;255(23):3275-6

RADIONUCLIDE IMAGING

Gallium-67 citrate uptake in cryptococcal thyroiditis in a

homosexual male. Machac J, et al.
J Nucl Med Allied Sci 1985 Jul-Sep;29(3):283-5

SURGERY

Pyriform sinus fistula: an unusual cause of recurrent retropharyngeal abscess and cellulitis. DeLozier HL, et al.
Ann Otol Rhinol Laryngol 1986 Jul-Aug;95(4 Pt 1):377-82
[Analysis of the effects of surgical treatment in 53 cases of nonspecific thyroiditis] Huo RZ.
Chung Hua I Hsueh Tsa Chih 1985 Jun;65(6):341-3 (Eng. Abstr.) (Chi)

THYROIDITIS, LYMPHOMATOUS

BLOOD

Juvenile autoimmune thyroiditis. Hormonal status at presentation and after long-term follow-up. Sklar CA, et al. **Am J Dis Child** 1986 Sep;140(9):877-80
Elevation of corticosteroid-binding globulin in obese strain (OS) chickens: possible implications for the disturbed immunoregulation and the development of spontaneous autoimmune thyroiditis. Fässler R, et al. **J Immunol** 1986 May 15;136(10):3657-61

COMPLICATIONS

Idiopathic portal hypertension associated with Hashimoto's disease: report of three cases. Imai Y, et al.
Am J Gastroenterol 1986 Sep;81(9):791-5
Thyrotoxic silent thyroiditis: a geographic puzzle [letter] Ureles AL, et al. **Arch Intern Med** 1985 Dec;145(12):2263-4
Encephalopathy in compensated Hashimoto thyroiditis: a clinical expression of autoimmune cerebral vasculitis. Shein M, et al. **Brain Dev** 1986;8(1):60-4
A case of acquired leukoderma, associated with Hashimoto's thyroiditis. Shimamoto H, et al. **Hiroshima J Med Sci** 1986 Mar;35(1):49-52
Hashimoto's thyroiditis and carcinoma of the thyroid gland. Segal K, et al. **Int Surg** 1985 Jul-Sep;70(3):205-9
Hashimoto's thyroiditis associated with Hoffman's syndrome and acute cricoarytenoid arthritis. Sarma PS, et al.
J Assoc Physicians India 1985 Jun;33(6):434-5
Guillain-Barré syndrome associated with Hashimoto's thyroiditis. Behar R, et al. **J Neurol** 1986 Aug;233(4):233-6
Localized thyroid plasmacytoma. Chen KT, et al.
J Surg Oncol 1986 Aug;32(4):220-2
Chronic thyroiditis as a risk factor of B-cell lymphoma in the thyroid gland. Kato I, et al. **Jpn J Cancer Res** 1985 Nov;76(11):1085-90
Sarcoidosis and Hashimoto's thyroiditis--a chance occurrence? Rubinstein I, et al. **Respiration** 1985; 48(2):136-9
[Hashimoto's thyroiditis in systemic lupus erythematosus] Hines A, et al. **Harefuah** 1985 Nov 15;109(10):281-2 (Eng. Abstr.) (Heb)
[Coexistence of Hashimoto's disease and thyroid carcinoma] Segal K, et al. **Harefuah** 1986 Apr 15;110(8):390-3 (Eng. Abstr.) (Heb)
[A case of distal renal tubular acidosis associated with Sjögren's syndrome, Hashimoto's thyroiditis and chronic hepatitis] Nakamura M, et al. **Nippon Jinzo Gakkai Shi** 1985 Oct;27(10):1459-66 (Eng. Abstr.) (Jpn)
[Hashimoto's thyroiditis and autoimmune thrombopenia] Hortells Aznar JL, et al. **Sangre (Barc)** 1985;30(6):1034-7 (Eng. Abstr.) (Spa)

DIAGNOSIS

Laboratory diagnosis in thyroid auto-allergic diseases. Suárez-Chacón R, et al. **Allergol Immunopathol (Madr)** 1986 Jan-Feb;14(1):15-20
Hashimoto's thyroiditis. An uncommon cause of painful thyroid unresponsive to corticosteroid therapy.
Zimmerman RS, et al. **Ann Intern Med** 1986 Mar; 104(3):355-7
Echographic findings and histological feature of the thyroid: a reverse relationship between the level of echo-amplitude and lymphocytic infiltration. Yoshida A, et al.
Endocrinol Jpn 1985 Oct;32(5):681-90
Natural course of juvenile autoimmune thyroiditis. Mäenpää J, et al. **J Pediatr** 1985 Dec;107(6):898-904
Sonography of Hashimoto's thyroiditis. Hayashi N, et al.
JCU 1986 Feb;14(2):123-6
Thyroiditis. Woolf PD. **Med Clin North Am** 1985 Sep; 69(5):1035-48
[Autoimmune thyroiditis and pregnancy] Spreafico G, et al.
Minerva Ginecol 1985 Jul-Aug;37(7-8):373-8 (Eng. Abstr.) (Ita)
[Hypothyroidism] Pences V.
Rev Med Chir Soc Med Nat Iasi 1984 Jan-Mar;88(1):13-7 (29 ref.) (Rum)
[Identification of lymphocytic thyroiditis in patients operated on for various thyropathies] Pencea V, et al.
Rev Med Chir Soc Med Nat Iasi 1984 Jul-Sep;88(3):441-6 (Eng. Abstr.) (Rum)
[Diagnostic importance of determining circulating immune complexes in autoimmune thyroiditis in children] Zhukovskiĭ MA, et al. **Pediatriia** 1985 Aug;(8):38-41 (Eng. Abstr.) (Rus)
[Palpation procedure facilitating the clinical diagnosis of diffuse toxic goiter combined with autoimmune thyroiditis] Gorbenko VN, et al. **Probl Endokrinol (Mosk)** 1985 Nov-Dec;31(6):46 (Rus)
[Current aspects of the autoimmune thyroiditis problem] Kalinin AP, et al. **Ter Arkh** 1985;57(9):137-42 (106 ref.) (Rus)
[Antithyroid antibodies and fine-needle aspiration biopsy in the diagnosis of Hashimoto's thyroiditis] Bellido D, et al.
Med Clin (Barc) 1985 Sep 21;85(8):303-6 (Eng. Abstr.) (Spa)

DRUG THERAPY

Hypersensitivity caused by synthetic thyroid hormones in a hypothyroid patient with Hashimoto's thyroiditis. Shibata H, et al. **Arch Intern Med** 1986 Aug;146(8):1624-5
Effect of testosterone treatments for varying periods on autoimmune development and on specific infiltrating leukocyte populations in the thyroid gland of obese strain chickens. Gause WC, et al. **Clin Immunol Immunopathol** 1986 Jun;39(3):464-78
L-Thyroxine-induced leukopenia in a patient with Hashimoto's disease: involvement of suppressor-cytotoxic T cells. Lahat N, et al. **J Clin Endocrinol Metab** 1985 Nov; 61(5):980-2
Beneficial effect of testosterone in the treatment of chronic autoimmune thyroiditis in rats. Ansar Ahmed S, et al.
J Immunol 1986 Jan;136(1):143-7

ETIOLOGY

The effect of iodide ingestion on the development of spontaneous lymphocytic thyroiditis in the diabetes-prone BB/W rat. Allen EM, et al. **Endocrinology** 1986 May; 118(5):1977-81

FAMILIAL & GENETIC

Genetic background of spontaneous autoimmune thyroiditis in the obese strain of chickens studied in hybrids with an inbred line. Neu N, et al.
Int Arch Allergy Appl Immunol 1986;80(2):168-73
Immunogenetic studies in families with rheumatoid arthritis and autoimmune thyroid disease. Sanders PA, et al.
J Med Genet 1985 Dec;22(6):451-6
The interaction of MHC and Gm in liability to autoimmune thyroid disease. Nagataki S. **Mol Biol Med** 1986 Feb; 3(1):73-84
Class III alleles and high-risk MHC haplotypes in type I diabetes mellitus, Graves' disease and Hashimoto's thyroiditis. Skanes VM, et al. **Mol Biol Med** 1986 Apr; 3(2):143-57

IMMUNOLOGY

Autoreactive lymphocytes in thyroid disorders. II. Comparison of anti-thyroglobulin antibody production by plaque-forming cell, radio-immunological and enzyme-linked immunosorbent assays. Petersen J, et al.
Acta Pathol Microbiol Immunol Scand [C] 1986 Jun; 94(3):113-7
T lymphocyte clones and experimental autoimmune diseases. Cohen IR. **Behring Inst Mitt** 1985 Aug;(77):88-92
Studies on the immunoregulation of thyroid autoantibody production in vitro. Benveniste P, et al.
Clin Exp Immunol 1985 Aug;61(2):274-82
The T cell suppressor defect in autoimmune thyroiditis: evidence for a high set 'autoimmunostat'. Davies TF, et al. **Clin Exp Immunol** 1986 Jan;63(1):73-9
Suppression of in vitro human antithyroglobulin antibody secretion by private and cross-reactive anti-idiotypic antibodies. Kojima K, et al.
Clin Immunol Immunopathol 1986 May;39(2):337-44
Activation of cytotoxic T cells and effector cells in experimental autoimmune thyroiditis by shared determinants of mouse and human thyroglobulins. Simon LI., et al. **Clin Immunol Immunopathol** 1986 May; 39(2):345-56
The production and characterization of thyroid-derived T-cell lines in Graves' disease and Hashimoto's thyroiditis. Weetman AP, et al. **Clin Immunol Immunopathol** 1986 Apr; 39(1):139-50
Antigen presentation in human autoimmune thyroid disease. De Bernardo E, et al. **Exp Cell Biol** 1986;54(3):155-62
A technique for the isolation and mitogenic activation of thyroglobulin-specific human B lymphocytes. McLachlan SM, et al. **Immunol Lett** 1986 Mar;12(2-3):127-32
Post-partum thyroiditis and goitrous (Hashimoto's) thyroiditis are associated with HLA-DR4. Thompson C, et al. **Immunol Lett** 1985;11(5-6):301-3
Cytolytic T lymphocytes with natural killer activity in thyroid infiltrate of patients with Hashimoto's thyroiditis: analysis at clonal level. del Prete GF, et al.
J Clin Endocrinol Metab 1986 Jan;62(1):52-7
A long term clinical, immunological, and histological follow-up study of patients with goitrous chronic lymphocytic thyroiditis. Hayashi Y, et al.
J Clin Endocrinol Metab 1985 Dec;61(6):1172-8
Killer cell activity and antibody-dependent cell-mediated cytotoxicity are normal in Hashimoto's disease. Sack J, et al. **J Clin Endocrinol Metab** 1986 May;62(5):1059-64
Prediction and therapy of intrauterine and late-onset neonatal hyperthyroidism. Zakarija M, et al.
J Clin Endocrinol Metab 1986 Feb;62(2):368-71
Radioreceptor assay of anti-TSH receptor antibody activity: comparison of assays using unextracted serum and immunoglobulin fractions, and standardization of expression of activities. Tamaki H, et al.
J Clin Lab Immunol 1986 May;20(1):1-6
Thyroid autoantigen-induced lymphocyte proliferation in Graves' disease and Hashimoto's thyroiditis. Weetman AP, et al. **J Clin Lab Immunol** 1985 May;17(1):1-6
Activation, proliferation, and differentiation of circulating B cells in autoimmune thyroid disease. Weetman AP, et al. **J Immunol** 1985 Nov;135(5):3138-43
Measurement of spontaneous and stimulated anti-microsomal antibody synthesis in vitro by avidin-biotin enzyme immunoassay. Harigai M, et al. **J Immunol Methods** 1986 Jul 11;91(1):129-38
Microbial adjuvant and autoimmunity. IV. The induction of thyroid lesions in syngeneic X-irradiated mice by the transfer of spleen cells from mice immunized with thyroid extract and Klebsiella O3 lipopolysaccharide. Yokochi T, et al. **Microbiol Immunol** 1986;30(6):553-9
Activated (Ia+) T-cells and their subsets in Graves' disease and Hashimoto's thyroiditis using dual laser flow microfluorocytometric analysis. Chan JY, et al.
Mol Biol Med 1986 Feb;3(1):99-112
Goitrous Hashimoto's thyroiditis. Lack of association with HLA antigens. Fein HG, et al. **Mol Biol Med** 1986 Apr; 3(2):195-9
Inappropriate major histocompatibility complex class II expression by thyroid follicular cells in thyroid autoimmune disease and by pancreatic beta cells in type I diabetes. Pujol-Borrell R, et al. **Mol Biol Med** 1986 Apr;3(2):159-65 (24 ref.)
Autoimmune thyroid disease--a perspective. Volpé R.
Mol Biol Med 1986 Feb;3(1):25-51 (160 ref.)
In vitro studies of human thyroid autoantibody synthesis. McLachlan SM, et al. **Mt Sinai J Med (NY)** 1986 Jan; 53(1):38-45
[Studies on the activity of natural killer cells and concanavalin A suppressor cells in patients with autoimmune diseases] Wu WL, et al.
Chung Hua Nei Ko Tsa Chih 1985 Nov;24(11):668-70, 702 (Eng. Abstr.) (Chi)

METABOLISM

Sex steroid and glucocorticoid receptors in the bursa of Fabricius of obese strain chickens spontaneously developing autoimmune thyroiditis. Fässler R, et al.
J Steroid Biochem 1986 Jan;24(1):405-11

OCCURRENCE

Frequency of silent thyroiditis [letter] Schneeberg NG.
Arch Intern Med 1985 Dec;145(12):2268, 2270
Silent thyroiditis [letter] Tajiri J, et al. **Arch Intern Med** 1986 Aug;146(8):1644
[Hashimoto's lymphomatous thyroiditis and endemic struma] Oechslin E, et al. **Schweiz Med Wochenschr** 1985 Aug 31; 115(35):1182-91 (Eng. Abstr.) (Ger)

PATHOLOGY

Hoarseness, dysphagia, and goiter in a young woman [clinical conference] **Am J Med** 1986 Jan;80(1):77-82
Plasmacytoma and follicular lymphoma in a case of Hashimoto's thyroiditis. Aozasa K, et al. **Histopathology** 1986 Jul;10(7):735-40
The incidence of thyroid carcinoma in patients with Hashimoto's thyroiditis and solitary cold nodules. Ott RA, et al. **Surgery** 1985 Dec;98(6):1202-6
[Relationship between solid cell nests and focal lymphocytic thyroiditis] Prod'hom G, et al. **Ann Pathol** 1985; 5(4-5):265-70 (Eng. Abstr.) (Fre)
[Use of quantitative criteria in the cytologic diagnosis of hyperplastic processes in the thyroid gland] Tkach IuI, et al. **Lab Delo** 1986;(2):85-8 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Autoimmune thyroiditis: pathophysiology and relationship to thyroid cancer. Maceri DR, et al. **Laryngoscope** 1986 Jan;96(1):82-6
[Immunoreactive parathyroid hormone and calcitonin in patients with autoimmune thyroiditis] Urbanavichius VIu, et al. **Probl Endokrinol (Mosk)** 1986 May-Jun;32(3):21-4 (Eng. Abstr.) (Rus)

SURGERY

[Fifteen cases of chronic lymphocytic thyroiditis with hyperthyroidism] Ge WZ, et al.
Chung Hua Wai Ko Tsa Chih 1985 Nov;23(11):692-3, 704 (Eng. Abstr.) (Chi)
[Surgical treatment of autoimmune thyroiditis] Bazarova EN, et al. **Probl Endokrinol (Mosk)** 1985 Sep-Oct;31(5):78-81 (Eng. Abstr.) (Rus)
[Surgical tactics in thyroid diseases in relation to immunomorphological indicators] Shevchenko SI, et al.
Sov Med 1985;(11):20-5 (Rus)
[Characteristics of thyroid cancer in combination with autoimmune thyroiditis] Privalov VA, et al. **Vestn Khir** 1986 Jan;136(1):53-6 (Eng. Abstr.) (Rus)

THERAPY

Hashimoto's thyroiditis and its relationship to other thyroid pathology. Barber JL, et al. **J Arkansas Med Soc** 1986 Mar; 82(10):439-41

[Choice of treatment for chronic lymphocytic thyroiditis (with report of 82 cases)] Liu XL.
Chung Hua I Hsueh Tsa Chih 1985 Jul;65(7):426–8 (Chi)

VETERINARY

The familial occurrence of lymphocytic thyroiditis in borzoi dogs. Conaway DH, et al. **Am J Med Genet** 1985 Oct; 22(2):409–14
Clinical and histological features of primary progressive, familial thyroiditis in a colony of borzoi dogs. Conaway DH, et al. **Vet Pathol** 1985 Sep;22(5):439–46

THYROLIBERIN see **THYROTROPIN RELEASING HORMONE**

THYRONINES

BLOOD

The effects of phenytoin (diphenylhydantoin) on the extrathyroidal turnover of thyroxine, 3,5,3'-triiodothyronine, 3,3',5'-triiodothyronine, and 3',5'-diiodothyronine in man. Faber J, et al.
J Clin Endocrinol Metab 1985 Dec;61(6):1093–9

ISOLATION & PURIFICATION

Single-step, quantitative derivatization of amino, carboxyl, and hydroxyl groups in iodothyronine amino acids with ethanolic pivalic anhydride containing 4-dimethylaminopyridine. Joppich M, et al.
Anal Biochem 1986 Feb 15;153(1):159–65

METABOLISM

Characteristics of thyroxine 5'-deiodination in cultured human placental cells. Regulation by iodothyronines. Hidal JT, et al. **J Clin Invest** 1985 Sep;76(3):947–55

PHARMACODYNAMICS

Comparative effects of 3,5-dimethyl-3'-isopropyl-L-thyronine (DIMIT) and 3,5-diiodo-3'-isopropylthyroacetic acid (IpTA2) on body weight gain and lipid metabolism in genetically obese Zucker rats. Loireau A, et al. **Biochem Pharmacol** 1986 May 15;35(10):1691–6
Prenatal exposure of the fetal rat to excessive L-thyroxine or 3,5-dimethyl-3'-isopropyl-thyronine produces persistent changes in the thyroid control system. Porterfield SP. **Horm Metab Res** 1985 Dec;17(12):655–9
Is conversion of thyroxine to triiodothyronine and reverse triiodothyronine autoregulated? Studies with short term suppression of thyroid function with 3'isopropyl 3,5-diiodothyronine. Davies R, et al.
J Endocrinol Invest 1985 Dec;8(6):519–22

THYROTOXICOSIS see **HYPERTHYROIDISM**

THYROTROPIN

ADMINISTRATION & DOSAGE

Serum concentrations of thyroxine and 3,5,3'-triiodothyronine before and after intravenous or intramuscular thyrotropin administration in dogs. Wheeler SL, et al. **Am J Vet Res** 1985 Dec;46(12):2605–8

ANALOGS & DERIVATIVES

Activities of deglycosylated thyrotropin at the thyroid membrane receptor–adenylate cyclase system. Amr S, et al. **J Endocrinol Invest** 1985 Dec;8(6):537–41
Hormone–drug conjugates. Varga JM. **Methods Enzymol** 1985;112:259–69

ANALYSIS

Immunocytochemistry of TSH cells during development of the dwarf mutant mouse. Wilson DB, et al.
Anat Embryol (Berl) 1986;174(2):277–82
Brain thyroid-stimulating hormone: effects of endocrine manipulations. Hojvat S, et al. **Brain Res** 1985 Dec 23; 360(1–2):257–63
Thyroid stimulating and gonadotrophic hormones in pituitary adenomas without clinical or serological abnormality. Hitchcock E, et al. **Histochem J** 1986 Jun;18(6):317–20
Cell-free sulfation of human and bovine pituitary hormones. Comparison of the sulfated oligosaccharides of lutropin, follitropin, and thyrotropin. Green ED, et al.
J Biol Chem 1985 Dec 15;260(29):15631–8
A sensitive and specific immunoradiometric assay (IRMA) for human thyroid stimulating hormone. Piaditis GP, et al. **J Immunoassay** 1985;6(3):299–319
Amniotic fluid thyrotropin (TSH) following maternal administration of thyrotropin releasing hormone. Robuschi G, et al. **J Perinat Med** 1985;13(5):219–26
Subcellular localization of immunoreactive thyroid-stimulating hormone in the rat hypothalamus. DeVito WJ, et al. **Neuroendocrinology** 1986;42(6):459–66
Effects of afternoon injections of melatonin in hypothyroid male Syrian hamsters. Vriend J, et al.
Neuroendocrinology 1986;42(6):498–503
The new generation of thyrotropin assays—their place in thyrodiagnostic strategy? Nyström E, et al.
Scand J Clin Lab Invest 1986 Apr;46(2):197–9
[Concentrations of growth hormone, prolactin and thyroid-stimulating hormone in the maternal, fetal and amniotic compartments] Miyakawa I, et al.
Nippon Sanka Fujinka Gakkai Zasshi 1986 Feb;38(2):161–7 (Eng. Abstr.) (Jpn)

ANTAGONISTS & INHIBITORS

Tetradecanoyl phorbol-13-acetate counteracts the responsiveness of cultured thyroid cells to thyrotropin. Haye B, et al. **Biochem Pharmacol** 1985 Nov 1; 34(21):3795–802
Inhibitory effect of iopanoic acid on the thyrotropin-stimulated release of cyclic adenosine 3',5'-monophosphate and of 3,5,3'-triiodothyronine from perifused rat thyroids. Tajima K, et al. **Endocrinology** 1985 Nov;117(5):1813–7
Antithyrotropic activity of oxidation products of 3,4-dihydroxy-cinnamic acid derivatives. Auf'mkolk M, et al. **Prog Clin Biol Res** 1986;213:333–41

BIOSYNTHESIS

Effects of thyrotropin-releasing hormone on phosphoinositides and cytoplasmic free calcium in thyrotropic pituitary cells. Brenner-Gati L, et al.
Endocrinology 1986 Jan;118(1):163–9
Discordant effects of thyrotropin (TSH)-releasing hormone on pre- and posttranslational regulation of TSH biosynthesis in rat pituitary. Lippman SS, et al.
Endocrinology 1986 Jul;119(1):343–8
The effects of anterior hypothalamic deafferentation on thyrotropin (TSH) biosynthesis and response to TSH-releasing hormone. Taylor T, et al. **Endocrinology** 1986 Jun;118(6):2417–24
Postnatal development of the circadian rhythm of thyrotropic cells in precocial and altricial mammals. Matskási E, et al. **Naturwissenschaften** 1985 Oct;72(10):546–8

BLOOD

Postnatal development of brain TRH, serum TSH and thyroid hormones in the male and female rat. Gayo L, et al. **Acta Endocrinol (Copenh)** 1986 May;112(1):7–11
Goitre epidemiology: thyroid volume, iodine excretion, thyroglobulin and thyrotropin in Germany and Sweden. Gutekunst R, et al. **Acta Endocrinol (Copenh)** 1986 Aug; 112(4):494–501
Plasma thyrotrophin (TSH) response to intrahypothalamic injection of an alpha 2-adrenergic receptor agonist (clonidine). Ishikawa K, et al. **Acta Endocrinol (Copenh)** 1986 Jan;111(1):25–9
Effect of domperidone on serum TSH and growth hormone in thyroid patients. Földes J, et al. **Acta Med Hung** 1985; 42(3–4):133–43
Basal TSH determination instead of TRH test. Lukinac L, et al. **Acta Med Iugosl** 1986;40(2):115–20
Serum thyroid-stimulating hormone in cerebrovascular disease. Hägg E, et al. **Acta Med Scand** 1986;219(1):53–8
Prolactin and thyrotropin in serum during electroconvulsive therapy in patients with major depressive illness. Apéria B, et al. **Acta Psychiatr Scand** 1985 Sep;72(3):302–8
Twenty-four-hour serum levels of T4 and T3 in relation to decreased TSH serum levels and decreased TSH response to TRH in affective disorders. Undén F, et al. **Acta Psychiatr Scand** 1986 Apr;73(4):358–65
A comparison of DSM-III and ICD-8 diagnoses for major affective disorders and the use of biological markers for depression. Malt U, et al. **Acta Psychiatr Scand [Suppl]** 1986;328:35–44
Patients with severe nonthyroidal illness and serum thyrotropin concentrations in the hypothyroid range. Brent GA, et al. **Am J Med** 1986 Sep;81(3):463–6
The aging thyroid. Relationship between elevated serum thyrotropin level and thyroid antibodies in elderly patients. Sawin CT, et al. **Am J Med** 1985 Nov;79(5):591–5
Reduced TSH and prolactin responses to TRH in patients with panic disorder. Roy-Byrne PP, et al.
Am J Psychiatry 1986 Apr;143(4):503–7
Elevated basal levels and exaggerated responses to thyrotrophin-releasing hormone of prolactin and thyrotrophin in Turner-Noonan-Syndrome. Kumanov P. **Andrologia** 1985 Jul–Aug;17(4):395–9
Clinical value of a sensitive immunoradiometric assay for TSH. Allen KR, et al. **Ann Clin Biochem** 1985 Sep;22 (Pt 5):506–8
Evaluation of a time-resolved immunofluorometric assay for serum thyroid stimulating hormone. Paterson N, et al.
Ann Clin Biochem 1985 Nov;22 (Pt 6):606–11
Circulating thyrotrophin as an index of thyroid function. Woodhead JS, et al. **Ann Clin Biochem** 1985 Sep;22 (Pt 5):455–9 (14 ref.)
Cord blood thyrotropin screening for primary hypothyroidism on Caribbean island: a rapid communication. Zeller WP, et al. **Ann Clin Lab Sci** 1986 Jan–Feb;16(1):58–61
New sensitive immunoradiometric assays for thyrotropin. Ross DS. **Ann Intern Med** 1986 May;104(5):718–20
Current status of hormonal therapy of fibrocystic breast disease. Dogliotti L, et al. **Ann NY Acad Sci** 1986; 464:350–63
Response of thyrotropin to thyrotropin-releasing hormone as predictor of treatment outcome. Prediction of recovery and relapse in treatment with antidepressants and neuroleptics. Langer G, et al. **Arch Gen Psychiatry** 1986 Sep;43(9):861–8
Comparison of thyrotropin assays by relative operating characteristic analysis. Hermann GA, et al.
Arch Pathol Lab Med 1986 Jan;110(1):21–5
Screening for congenital hypothyroidism in Hong Kong. Low LC, et al. **Aust Paediatr J** 1986 Feb;22(1):53–6
Central thyroid stimulation in severely ill depressed, manic and schizophrenic patients. Baumgartner A.
Biol Psychiatry 1986 Apr;21(4):417–21
Human corticotropin-releasing hormone in depression—correlation with thyrotropin secretion following thyrotropin-releasing hormone. Holsboer F, et al. **Biol Psychiatry** 1986 Jun;21(7):601–11
Thyrotropin-releasing hormone stimulation test and Alzheimer's disease. Peabody CA, et al. **Biol Psychiatry** 1986 May;21(5–6):553–6
Acute adrenal crisis precipitated by thyroxine [letter] Davis J, et al. **Br Med J [Clin Res]** 1986 Jun 14;292(6535):1595
Serum thyroid stimulating hormone (TSH), total thyroxine (TT4), total triiodothyronine (TT3), triiodothyronine uptake ratio (T3uR), free thyroxine index (FT4I), free triiodothyronine index (FT3I) and T3/T4 ratio in the elderly. Tong ZH, et al. **Chin Med J [Engl]** 1985 Jul; 98(7):520–3
A reminder that hyperlipidemia interferes with determination of thyrotropin [letter] Arevalo G. **Clin Chem** 1986 May; 32(5):907–8
Diagnostic value of thyrotropin concentrations in serum as measured by a sensitive immunoradiometric assay. Bassett F, et al. **Clin Chem** 1986 Mar;32(3):461–4
Antibodies interfering in immunometric assays [letter] Clark PM, et al. **Clin Chem** 1985 Oct;31(10):1762
Enzyme-amplified immunoassays: a new ultrasensitive assay of thyrotropin evaluated. Clark PM, et al. **Clin Chem** 1986 Jan;32(1 Pt 1):88–92
A plea for abandonment of the term "highly sensitive" for thyrotropin assays [letter] Fraser CG, et al. **Clin Chem** 1986 Mar;32(3):569–70
Low thyrotropin concentrations as measured with a commercial kit [letter] Hamlin CR. **Clin Chem** 1985 Oct; 31(10):1765
Neonatal hypothyroid screening by adaptation of Hybritech's thyrotropin Tandem methodology. Haven MC, et al.
Clin Chem 1986 Feb;32(2):393
A sensitive and practical immunoradiometric assay of thyrotropin. Helenius T, et al. **Clin Chem** 1986 Mar; 32(3):514–8
Immunoradiometric assay of thyrotropin as a "first-line" thyroid-function test in the routine laboratory. Hopton MR, et al. **Clin Chem** 1986 Apr;32(4):691–3
Determination of thyrotropin in serum by time-resolved fluoroimmunoassay evaluated. Kaihola HL, et al.
Clin Chem 1985 Oct;31(10):1706–9
Assessment of a time-resolved fluoroimmunoassay for thyrotropin in routine clinical practice. Lawson N, et al.
Clin Chem 1986 Apr;32(4):684–6
Thyrotropin as measured by a sensitive immunoradiometric assay. McBride JH, et al. **Clin Chem** 1985 Nov; 31(11):1865–7
Interference in the Delfia two-site immunoassay for thyrotropin. Nisbet JA, et al. **Clin Chem** 1986 Jan;32(1 Pt 1):201–2
Serum thyrotropin as measured with a one-step monoclonal-antibody radioimmunometric assay compared with two commercial radioimmunoassay kits. Pekary AE, et al. **Clin Chem** 1986 Jun;32(6):1007–9
New immunoenzymatic assay for human thyrotropin compared with two radioimmunoassays. Pekary AE, et al.
Clin Chem 1986 Mar;32(3):511–4
Immunoradiometric (IRMA) assay for thyrotropin (TSH) should replace the RIA method in the clinical laboratory [letter] Rosenfeld L, et al. **Clin Chem** 1986 Jan;32(1 Pt 1):232–3
Screening for congenital hypothyroidism by time-resolved fluoroimmunoassay for thyrotropin. Sander J, et al.
Clin Chem 1986 Jun;32(6):1231
Thyroid screening of neonates without use of radioactivity: evaluation of time-resolved fluoroimmunoassay of thyrotropin. Torresani TE, et al. **Clin Chem** 1986 Jun; 32(6):1013–6
Diagnostic performance of a commercial assay for thyrotropin, when used as the initial test of thyroid function [letter] White GH, et al. **Clin Chem** 1985 Nov;31(11):1914–6
Immunoradiometric assay of thyrotropin in plasma: its value in predicting response to thyroliberin stimulation and assessing thyroid function in amiodarone-treated patients. Wiersinga WM, et al. **Clin Chem** 1986 Mar;32(3):433–6
Effect of low-dose dopamine infusion on basal and stimulated TSH and prolactin concentrations in man. Connell JM, et al. **Clin Endocrinol (Oxf)** 1985 Aug;23(2):185–92
The circadian variation of thyrotrophin in patients with primary thyroidal disease. Evans PJ, et al.
Clin Endocrinol (Oxf) 1986 Apr;24(4):343–8
Reciprocal changes of serum thyroglobulin and TSH in residents of a moderate endemic goitre area. Fenzi GF, et al. **Clin Endocrinol (Oxf)** 1985 Aug;23(2):115–22
Free thyroid hormone levels and TSH response to TRH in patients with autonomous thyroid adenomata and normal T3 and T4. Lerro S, et al. **Clin Endocrinol (Oxf)** 1985 Oct;

23(4):373–8
Human serum thyrotrophin measurement by ultrasensitive immunoradiometric assay as a first-line test in the evaluation of thyroid function. Martino E, et al. **Clin Endocrinol (Oxf)** 1986 Feb;24(2):141–8
Serum thyroglobulin and TSH in a moderate endemic goiter area [letter] Wiener JD. **Clin Endocrinol (Oxf)** 1986 Apr; 24(4):468–9
Primary hypothyroidism in chronic renal failure. Rao MB, et al. **Clin Nephrol** 1986 Jan;25(1):11–4
Effect of bromocriptine on serum TSH in euthyroid patients with endocrine disorders. Ishihara T, et al. **Endocrinol Jpn** 1985 Oct;32(5):745–51
Hyperthyroidism in the elderly. II. Laboratory tests. Dumitriu L, et al. **Endocrinologie** 1986 Jan–Mar;24(1):3–9
Thyroglobulin and thyroid hormones in patients on long-term treatment with phenytoin, carbamazepine, and valproic acid. Ericsson UB, et al. **Epilepsia** 1985 Nov–Dec; 26(6):594–6
Dexamethasone suppression and multiple hormonal responses (TSH, prolactin and growth hormone) to TRH in some psychiatric disorders. Banki CM, et al. **Eur Arch Psychiatry Neurol Sci** 1985;235(1):32–7
Evaluation of the pituitary-thyroidal axis in newborns undergoing exchange transfusion. Lanes R, et al. **Eur J Pediatr** 1986 Apr;145(1–2):70–2
Insulin hypoglycemia suppresses TSH secretion in man: studies with an immunoradiometric TSH assay. Lamberton RP, et al. **Horm Metab Res** 1986 Jan;18(1):76–7
Influence of central dopaminergic activity on thyrotropin responsiveness to thyrotropin-releasing hormone in normal and thyrotoxic subjects. Röjdmark S. **Horm Metab Res** 1986 Jun;18(6):407–10
No monthly variations in serum levels of thyroid hormones in human males. Taubøll E, et al. **Horm Metab Res** 1986 Jul;18(7):500–1
Somatostatin inhibits the dermorphin-stimulated thyrotropin release in man. degli Uberti EC, et al. **Horm Res** 1986; 23(4):207–12
Effects of histamine and related compounds on thyrotropin secretion in rats. Mitsuma T, et al. **Horm Res** 1986; 23(2):99–105
Cardiopulmonary bypass: a low T4 and T3 syndrome with blunted thyrotropin (TSH) response to thyrotropin-releasing hormone (TRH). Robuschi G, et al. **Horm Res** 1986;23(3):151–8
Advantages of sensitive assays for thyrotropin in the diagnosis of thyroid disorders. Bernutz C, et al. **J Clin Chem Clin Biochem** 1985 Dec;23(12):851–6
Thyrotropin enzyme-immunoassay in dried blood spots: a spectrophotometric method for neonatal thyroid screening. Torresani T, et al. **J Clin Chem Clin Biochem** 1986 Mar; 24(3):199–203
An evaluation of six solid-phase thyrotropin (TSH) kits. Wood WG, et al. **J Clin Chem Clin Biochem** 1985 Aug; 23(8):461–71
Increased dopaminergic activity inhibits basal and metoclopramide-stimulated prolactin and thyrotropin secretion. Agner T, et al. **J Clin Endocrinol Metab** 1986 Apr;62(4):778–82
Relationship between thyrotropin and thyroxine changes during recovery from severe hypothyroxinemia of critical illness. Hamblin PS, et al. **J Clin Endocrinol Metab** 1986 Apr;62(4):717–22
Sustained rises in serum thyrotropin, thyroxine, and triiodothyronine during long term, continuous thyrotropin-releasing hormone treatment in patients with amyotrophic lateral sclerosis. Kaplan MM, et al. **J Clin Endocrinol Metab** 1986 Oct;63(4):808–14
Increased thyroid-stimulating hormone response to thyrotropin-releasing hormone in hyperprolactinemic women. Seki K, et al. **J Clin Endocrinol Metab** 1985 Dec; 61(6):1138–41
Thyrotropin secretion in thyrotoxic and thyroxine-treated patients: assessment by a sensitive immunoenzymometric assay. Spencer CA, et al. **J Clin Endocrinol Metab** 1986 Aug;63(2):349–55
Evaluation of strategy for testing thyroid function applied to hypothyroidism. Corns CM, et al. **J Clin Pathol** 1986 Mar;39(3):293–6
Thyroid indices in panic disorder. Fishman SM, et al. **J Clin Psychiatry** 1985 Oct;46(10):432–3
Serum thyrotropin by ultrasensitive immunoradiometric assay and serum free thyroid hormones in pregnancy. Pacchiarotti A, et al. **J Endocrinol Invest** 1986 Apr; 9(2):185–9
Clinical experience with sensitive thyrotropin measurements: diagnostic and therapeutic implications. Bayer MF, et al. **J Nucl Med** 1985 Nov;26(11):1248–56
The TRH test in bulimia and anorexia nervosa: a controlled study. Norris PD, et al. **J Psychiatr Res** 1985;19(2–3):215–9
Thyroid hormones and TSH in normal subjects. Akhter P, et al. **JPMA** 1986 Mar;36(3):51–4
Age-related differences in the pituitary prolactin response to thyrotropin-releasing hormone. Arnetz BB, et al. **Life Sci** 1986 Jul 14;39(2):135–9
Effects of kappa opiate agonists on neurochemical and neuroendocrine indices: evidence for kappa receptor subtypes. Iyengar S, et al. **Life Sci** 1986 Aug 18; 39(7):637–44
Evaluation of dopaminergic tone in hyperprolactinemia. III. Thyroid-stimulating hormone response to metoclopramide in differential diagnosis and postoperative follow-up of prolactinoma patients. De Marinis L, et al. **Metabolism** 1985 Oct;34(10):917–22
Alterations in circulating thyroid hormones and thyrotropin in euthyroid patients with Graves' disease after total thyroidectomy: comparison between responders and nonresponders to TSH-releasing hormone. Tamai H, et al. **Metabolism** 1985 Nov;34(11):1024–8
Factitious elevation of thyrotropin in euthyroid patients, continued [letter] Hamburger JI. **N Engl J Med** 1986 Feb 20;314(8):521
Circannual variations of plasma thyrotropin in Klinefelter's syndrome. Bellastella A, et al. **Neuroendocrinology** 1986; 43(2):132–4
Thyroid-stimulating hormone, prolactin, and growth hormone response to thyrotropin-releasing hormone in treated children with congenital hypothyroidism. Sack J, et al. **Pediatr Res** 1985 Oct;19(10):1037–9
Screening for congenital hypothyroidism with specimen collection at two time periods: results of the Northwest Regional Screening Program. LaFranchi SH, et al. **Pediatrics** 1985 Nov;76(5):734–40
Effect of a short-term oral administration of cimetidine and ranitidine on the basal and thyrotropin-releasing hormone-stimulated serum concentrations of prolactin, thyrotropin and thyroid hormones in healthy volunteers. A double-blind cross-over study. Perret G, et al. **Pharmacology** 1986;32(2):101–8
TRH stimulation test in dementia of the Alzheimer type and elderly controls. Sunderland T, et al. **Psychiatry Res** 1985 Dec;16(4):269–75
Endocrine changes and clinical profiles in depression: II. The thyrotropin-releasing hormone test. Calloway SP, et al. **Psychol Med** 1984 Nov;14(4):759–65
The TRH-induced TSH response in psychiatric patients: a possible neuroendocrine marker. Loosen PT. **Psychoneuroendocrinology** 1985;10(3):237–60 (266 ref.)
Effects of methysergide, bromocriptine and naloxone on prolactin, growth hormone and TSH release induced by D-Met2,Pro5-enkephalinamide in man. Földes J, et al. **Psychopharmacology (Berlin)** 1986;88(3):331–5
The relationship of decreased serum thyrotropin and increased colonic temperature in rats exposed to microwaves. Lu ST, et al. **Radiat Res** 1985 Dec; 104(3):365–86
Graves' disease and selective resistance of pituitary thyrotroph to thyroid hormone. A case report. Pillay NL, et al. **S Afr Med J** 1986 Sep 13;70(6):360–1
[Preliminary observation on changes in serum triiodothyronine (T3), thyroxine (T4) and thyroid-stimulating hormone (TSH) in patients with chronic cor pulmonale] Xu ZQ, et al. **Sun Chuan I Hsueh Yuan Hsueh Pao** 1985 Jun;16(2):148–52 (Eng. Abstr.) **(Chi)**
[Thyroid stimulating hormone in the serum as the first test in thyrotoxicosis] Kirkegaard BC, et al. **Ugeskr Laeger** 1986 Apr 7;148(15):897–9 (Eng. Abstr.) **(Dan)**
[Analysis of failures of screening for congenital hypothyroidism by the assay of TSH in capillary blood] Pomarède R, et al. **Arch Fr Pediatr** 1986 Jan;43(1):15–8 (Eng. Abstr.) **(Fre)**
[Hyperthyroidism induced by amiodarone. Contribution of the ultrasensitive assay of thyrotropin (letter)] Schlienger JL, et al. **Presse Med** 1986 Jun 28;15(26):1246 **(Fre)**
[Behavior of the levels of free triiodothyronine, triiodothyronine, free thyroxine, thyroxine, thyrotropin and thyroxine-binding globulin in the serum of children with nephrotic syndrome] Liappis N, et al. **Klin Padiatr** 1985 Sep–Oct;197(5):423–6 (Eng. Abstr.) **(Ger)**
[Screening for congenital hypothyroidism with an immunoradiometric assay (IRMA) for thyroid stimulating hormone] Sander J, et al. **Monatsschr Kinderheilkd** 1986 Jan;134(1):25–7 (Eng. Abstr.) **(Ger)**
[Sensitive TSH assay with a new RIA test kit] Johannsen B, et al. **Radiobiol Radiother (Berl)** 1985;26(4):537–42 (Eng. Abstr.) **(Ger)**
[Does the determination of basal TSH level replace the TRH test?] Keller H. **Schweiz Med Wochenschr** 1986 Jul 26; 116(30):1009–15 (Eng. Abstr.) **(Ger)**
[Increased prolactin concentration and thyrotropic insufficiency in patients with growth hormone deficiency] Schober E, et al. **Wien Klin Wochenschr** 1986 Mar 7; 98(5):142–6 (Eng. Abstr.) **(Ger)**
[Results of operative treatment of strumas and problems of endocrinologic aftercare under conditions of iodine deficiency in Mecklenburg] Rühle H, et al. **Z Arztl Fortbild (Jena)** 1985;79(11):471–3 **(Ger)**
[Effect of mestranol and chlormadinone acetate on TSH, T4, TBC and FT4 index in Turner syndrome] Rudolf K, et al. **Zentralbl Gynakol** 1986;108(9):551–9 (Eng. Abstr.) **(Ger)**
[TSH and prolactin studies with TRH-loading in juvenile Basedow's disease] Péter F, et al. **Orv Hetil** 1986 May 25; 127(21):1243–6 (Eng. Abstr.) **(Hun)**
[Hypothyroxinemia in the low birth-weight infant in the screening of congenital hypothyroidism] Romagnoli C, et al. **Pediatr Med Chir** 1982 Nov–Dec;4(6):679–84 (Eng. Abstr.) **(Ita)**
[Fundamental and clinical studies on serum TSH using an RIA-gnost hTSH kit] Itagaki Y, et al. **Kaku Igaku** 1986 Apr;23(4):439–46 **(Jpn)**
[New sensitive immunoradiometric assay (RIA-gnost hTSH) for human thyrotropin] Konno N, et al. **Kaku Igaku** 1986 Mar;23(3):273–80 **(Jpn)**
[Evaluation of TSH radioimmunoassay by using the magnetic separation system] Nagata A, et al. **Kaku Igaku** 1986 Feb; 23(2):199–206 **(Jpn)**
[The development of the high sensitive thyroid stimulating hormone radioimmunoassay] Nagata A, et al. **Radioisotopes** 1985 Sep;34(9):501–4 **(Jpn)**
[TSH and thyroid hormone levels in newborn infants with hyperthyrotropinemia detected by screening tests, in newborn infants with goiter and those born to mothers with hyperthyroidism] Rybakowa M, et al. **Endokrynol Pol** 1985;36(5):277–84 (Eng. Abstr.) **(Pol)**
[Thyrotropin and thyroid hormone levels in children with congenital hypothyroidism during treatment] Niżankowska-Blaż T, et al. **Wiad Lek** 1986 Jan 1;39(1):20–3 (Eng. Abstr.) **(Pol)**
[Concentrations of total triiodothyronine, total thyroxine and thyrotropic hormone in the blood of the medial cubital vein in the elbow and from the internal arteriovenous fistula in patients treated with hemodialysis for chronic renal failure] Starzyk J, et al. **Wiad Lek** 1986 Mar 15;39(6):379–81 (Eng. Abstr.) **(Pol)**
[Thyroxine, triiodothyronine and thyrotropic hormone levels in the blood of patients with sclerocystic ovary syndrome of central origin] Akopian SS, et al. **Akush Ginekol (Mosk)** 1986 Feb;(2):54–7 (Eng. Abstr.) **(Rus)**
[Changes in the hormone profile, central hemodynamics and tissue blood flow in patients with thyrotoxic goiter during treatment with lithium carbonate] Petrov IM. **Med Radiol (Mosk)** 1986 Apr;31(4):13–5 (Eng. Abstr.) **(Rus)**
[Perinatal management and TSH levels in the newborn infants of patients receiving antithyroid drugs] de la Luna y Olsen E, et al. **Ginecol Obstet Mex** 1986 Apr;54:96–100 (Eng. Abstr.) **(Spa)**
[Changes in the pituitary-thyroid axis after surgery of a euthyroid goiter] Aguilar M, et al. **Med Clin (Barc)** 1986 Mar 1;86(8):315–8 (Eng. Abstr.) **(Spa)**
[Thyroid function in adults with mental retardation] Angel M, et al. **Med Clin (Barc)** 1985 Nov 16;85(16):656–8 (Eng. Abstr.) **(Spa)**
[Usefulness of the effective thyroxine and thyrotropin index in the evaluation of thyroid function in critical patients] López Luque A, et al. **Med Clin (Barc)** 1986 Feb 22; 86(7):268–72 (Eng. Abstr.) **(Spa)**
[Effect of the intravenous administration of amiodarone on the blood concentrations of thyroid hormones and thyrotropin (letter)] Rodríguez Espinosa J, et al. **Med Clin (Barc)** 1985 Oct 12;85(11):475 **(Spa)**
[Characterization of serum concentrations of thyroid hormones in a healthy infantile Chilean population] Michaud P, et al. **Rev Med Chil** 1985 Nov;113(11):1096–103 (Eng. Abstr.) **(Spa)**

CEREBROSPINAL FLUID

RIA examinations of CSF hormones as a method of demonstrating leakage through the blood-brain and brain-CSF barriers. Zaidman JL, et al. **Eur J Nucl Med** 1985;11(8):323

DEFICIENCY

[Secondary hypothyroidism with thyrotropic hormone deficiency. Presentation of a case and review of the literature] Foresti V, et al. **Minerva Med** 1985 Dec 22; 76(49–50):2323–7 (Eng. Abstr.) **(Ita)**

DIAGNOSTIC USE

Endocrine responses of healthy parrots to ACTH and thyroid stimulating hormone. Zenoble RD, et al. **J Am Vet Med Assoc** 1985 Dec 1;187(11):1116–8

GENETICS

Chromosomal assignment of human genes for gastrin, thyrotropin (TSH)-beta subunit and C-erbB-2 by chromosome sorting combined with velocity sedimentation and Southern hybridization. Fukushige S, et al. **Biochem Biophys Res Commun** 1986 Jan 29;134(2):477–83
Differential processing and regulation of thyroid-stimulating hormone subunit carbohydrate chains in thyrotropic tumors and in normal and hypothyroid pituitaries. Ronin C, et al. **Biochemistry** 1985 Sep 24;24(20):5626–31
Analysis of the organization and nucleotide sequence of the chromosomal gene for the beta-subunit of rat thyrotropin. Croyle ML, et al. **DNA** 1986 Aug;5(4):299–304
Thyroid hormone regulation of thyrotropin alpha- and beta-subunit gene transcription. Gurr JA, et al. **DNA** 1985 Aug;4(4):301–7
Acute thyroid hormone withdrawal rapidly increases the thyrotropin beta and alpha-subunit messenger ribonucleic acids in mouse thyrotropic tumors. Ross DS, et al. **Endocrinology** 1986 Mar;118(3):1006–10
Triiodothyronine rapidly decreases transcription of the thyrotropin subunit genes in thyrotropic tumor explants. Shupnik MA, et al. **Endocrinology** 1985 Nov;117(5):1940–6
Triiodothyronine (T3) regulation of thyrotropin subunit gene transcription is proportional to T3 nuclear receptor occupancy. Shupnik MA, et al. **Endocrinology** 1986 Jan; 118(1):367–71

Transcriptional regulation of thyrotropin subunit genes by thyrotropin-releasing hormone and dopamine in pituitary cell culture. Shupnik MA, et al. **J Biol Chem** 1986 Sep 25;261(27):12675-9

Differential expression of thyrotropin hormone genes by GH3 cells and the normal rat pituitary. Mirell CJ, et al. **Mol Cell Endocrinol** 1986 Sep;47(1-2):145-51

A non-responsive alpha-secreting thyrotropic tumor contains T3 receptors and a TSH beta gene. Shupnik MA, et al. **Mol Cell Endocrinol** 1986 Mar;44(3):279-84

Assignment of the gene for the beta subunit of thyroid-stimulating hormone to the short arm of human chromosome 1. Dracopoli NC, et al.
Proc Natl Acad Sci USA 1986 Mar;83(6):1822-6

Mapping thyrotropin beta subunit gene in man and mouse. Naylor SL, et al. **Somatic Cell Mol Genet** 1986 May; 12(3):307-11

[Biosynthesis of pituitary hormones--gene organization and processing--thyroid stimulating hormone] Mori M, et al. **Nippon Rinsho** 1986 Mar;44(3):561-7 (30 ref.) **(Jpn)**

IMMUNOLOGY

Interference with thyrotropin receptor antibody determination by a spuriously occurring anti-bovine TSH antibody. Iitaka M, et al. **Acta Endocrinol (Copenh)** 1986 Jun;112(2):197-203

Thyrotropin-receptor autoantibodies in children and young adults with Graves' disease. Brown RS, et al.
Am J Dis Child 1986 Mar;140(3):238-41

IgG thyrotrophin receptor antibody activity in Graves' disease; a study of TSH agonist and antagonist activities by isoelectric focusing. Creagh FM, et al.
Clin Endocrinol (Oxf) 1986 Jan;24(1):79-88

Production and growth of hybridomas secreting monoclonal antibodies to human thyroid stimulating hormone. Denyer MD, et al. **Dev Biol Stand** 1985;60:493-501

T lymphocyte subsets at various stages of hyperthyroid Graves' disease: effect of carbimazole treatment and relationship with thyroid-stimulating antibody levels or HLA status. Madec AM, et al.
J Clin Endocrinol Metab 1986 Jan;62(1):117-21

Radioreceptor assay of anti-TSH receptor antibody activity: comparison of assays using unextracted serum and immunoglobulin fractions, and standardization of expression of activities. Tamaki H, et al.
J Clin Lab Immunol 1986 May;20(1):1-6

Incidence and specificities of labeled thyrotropic hormone (TSH) binding immunoglobulins (LTB-Igs) in patients with Graves' disease and other thyroid disorders. Akamizu T, et al. **Jpn J Med** 1986 Feb;25(1):13-9

TSH receptor antibodies. Rees Smith B, et al.
Mt Sinai J Med (NY) 1986 Jan;53(1):53-9

[Thyrotropin-displacing antibodies in thyroid gland diseases] Grossmann E, et al. **Dtsch Med Wochenschr** 1986 Sep 12; 111(37):1389-94 (Eng. Abstr.) **(Ger)**

[Theoretical and clinical significance of hormone receptors] Leövey A, et al. **Orv Hetil** 1985 Dec 8;126(49):3007-10 (Eng. Abstr.) **(Hun)**

ISOLATION & PURIFICATION

Characterization and purification of iodinated bovine thyrotropin by high performance liquid chromatography. Stanton PG, et al. **Endocrinology** 1986 Aug;119(2):887-97

METABOLISM

Characterization of the pituitary response in the TRH test by kinetic modeling. Swartz CM, et al.
Acta Endocrinol (Copenh) 1986 May;112(1):43-8

Covalent crosslinking of thyrotropin to thyroid plasma membrane receptors: subunit composition of the thyrotropin receptor. McQuade R, et al.
Arch Biochem Biophys 1986 Apr;246(1):52-62

Enzymatic deglycosylation of thyroid-stimulating hormone with peptide N-glycosidase F and endo-beta-N-acetylglucosaminidase F. Lee KO, et al.
Biochem Biophys Res Commun 1986 Jul 16;138(1):230-7

Further characterization of the low and high affinity binding components of the thyrotropin receptor. McQuade R, et al. **Biochem Biophys Res Commun** 1986 May 29;137(1):61-8

Thyrotropin cross-links to the thyrotropin receptor through both the alpha and beta subunits. Buckland PR, et al.
Biochem J 1986 May 1;235(3):879-82

Thyrotrophin receptors, tumour radioiodine concentration and thyroglobulin secretion in differentiated thyroid cancers. Edmonds CJ, et al. **Br J Cancer** 1985 Oct; 52(4):537-41

Characterization of regulation of thyrotropin (TSH) receptor function in thyroid plasma membrane: interaction between TSH receptor function and activation of adenosine 3',5'-monophosphate-dependent protein kinase. Hashizume K, et al. **Endocrinol Jpn** 1986 Feb;33(1):81-8

Thyrotropin (TSH) binding activities in bovine thyroid tissue: possible role of adenosine 3',5'-monophosphate dependent phosphorylation of thyroid plasma membranes in TSH receptor degradation. Hashizume K, et al.
Endocrinol Jpn 1985 Aug;32(4):569-75

Differential sulfation and sialylation of secreted mouse thyrotropin (TSH) subunits: regulation by TSH-releasing hormone. Gesundheit N, et al. **Endocrinology** 1986 Aug; 119(2):455-63

Subcellular localization of fucose incorporation into mouse thyrotropin and free alpha-subunits: studies employing subcellular fractionation and inhibitors of the intracellular translocation of proteins. Magner JA, et al.
Endocrinology 1986 Sep;119(3):1315-28

Microheterogeneous forms of radioiodinated bovine thyrotropin: discrimination of different receptor-active components by gel permeation chromatography. Stanton PG, et al. **Endocrinology** 1986 Jan;118(1):14-22

Effects of melatonin and thyroxine replacement on thyrotropin, luteinizing hormone, and prolactin in male hypothyroid hamsters. Vriend J. **Endocrinology** 1985 Dec; 117(6):2402-7

Hormonal regulation of thyrotropin alpha and beta subunit mRNAs. Gurr JA, et al. **Horm Metab Res** 1986 Jun; 18(6):382-5

Time-dependent effects of oral thyrotropin-releasing hormone in hyperthyroid female rats. Iglesias R, et al.
Horm Metab Res 1986 Jul;18(7):454-6

Cyclic AMP release from perfused dog thyroid lobes as a sensitive indicator of TSH activation of the secretion process. Evidence for two types of thyroid secretion latency. Laurberg P. **Horm Metab Res** 1985 Dec; 17(12):650-4

Autoradiographical portrayal of TSH receptors in human thyroid gland tissues. Müller HW, et al.
Horm Metab Res 1985 Nov;17(11):619-20

The thyroid "microsomal" antigen is an epitope on the thyrotropin receptor. Islam N, et al. **J Cell Biochem** 1986; 31(2):107-20

Modulation of thyrotrophin release from an intracellular pool by pre-exposure to thyrotrophin-releasing hormone and dibutyryl cyclic AMP. Davis JR, et al. **J Endocrinol** 1986 Feb;108(2):211-7

Thyrotrophin-releasing hormone does not accumulate glycosylated thyrotrophin, but changes heterogeneous forms of thyrotrophin within the rat anterior pituitary gland. Mori M, et al. **J Endocrinol** 1986 May;109(2):227-31

TSH and prolactin responses to TRH in a treated hypothyroid athlete: effect of activity and rest. Cumming DC, et al. **J Sports Med Phys Fitness** 1985 Dec;25(4):243-5

Binding of bovine thyrotropin to specific sites in thyroid tissue from control and hemithyroidectomized rats. Clark OH, et al. **J Surg Res** 1985 Dec;39(6):489-98

Assay for thyroid stimulating immunoglobulin. Jiang NS, et al. **Mayo Clin Proc** 1986 Sep;61(9):753-5

Divergent dopaminergic regulation of TSH, free alpha-subunit, and TSH-beta in pituitary cell culture. Greenspan SL, et al. **Metabolism** 1986 Sep;35(9):843-6

Separation and analysis of two plasma membrane fractions from bovine thyroid which differ in TSH binding and TSH activation of adenylate cyclase. Champier J, et al.
Mol Cell Endocrinol 1985 Nov;43(1):83-93

Effects of age and diagnosis on thyrotropin response to thyrotropin-releasing hormone in psychiatric patients. Baumgartner A, et al. **Psychiatry Res** 1986 Apr; 17(4):285-94

Glycosylation and posttranslational processing of thyroid-stimulating hormone: clinical implications. Weintraub BD, et al. **Recent Prog Horm Res** 1985; 41:577-606 (54 ref.)

Morphological demonstration and quantification of TSH binding sites in neoplastic and non-neoplastic thyroid tissues. An autoradiographic study using 125I-labelled thyrotropin. Schröder S, et al. **Virchows Arch [A]** 1986; 409(5):555-70

[Studies on the thyrotropic activity of hCG and its derivatives] Takeuchi Y, et al.
Nippon Naibunpi Gakkai Zasshi 1985 Nov 20; 61(11):1228-38 (Eng. Abstr.) **(Jpn)**

[Antigenic properties, thyrotropin receptor and enzymatic activity of thyroid cell membranes exposed to the action of glutaraldehyde] Adler G. **Endokrynol Pol** 1985; 36(5):243-50 (Eng. Abstr.) **(Pol)**

[Characterization of the binding of 125I-TSH to its receptor in low-uptake thyroid hyperplasias] Bianco AC, et al.
Rev Paul Med 1985 Jul-Aug;103(4):176-81 (Eng. Abstr.) **(Por)**

PHARMACODYNAMICS

Response of total and free thyroid hormones and diiodotyrosine to bovine TSH in subclinical hypothyroidism. Benker G, et al.
Acta Endocrinol (Copenh) 1986 Aug;112(4):509-16

Assay for thyroid growth stimulating immunoglobulins: stimulation of [3H]thymidine incorporation into isolated thyroid follicles by TSH, EGF, and immunoglobulins from goitrous patients in an iodine-deficient region. Schatz H, et al. **Acta Endocrinol (Copenh)** 1986 Aug;112(4):523-30

Alterations of adrenergic systems in thyroid slices from patients with Graves' disease. Yamashita K, et al.
Acta Endocrinol (Copenh) 1985 Nov;110(3):360-5

Can neonatal treatment with a related hormone adapt the receptor for itself? Csaba G, et al. **Acta Physiol Hung** 1986; 67(1):65-9

Selective and/or overlapping effect of pituitary hormones (thyrotropin, gonadotropin) on serum thyroxin and testosterone level in newly hatched cockerels. Dobozy O, et al. **Acta Physiol Hung** 1985;66(2):177-81

Effect of valinomycin on thyroid iodide transport and TSH-stimulated cAMP formation. Sherwin JR, et al.
Am J Physiol 1986 Feb;250(2 Pt 1):E164-8

Thyroid cell responses to thyrotropin and 12-O-tetradecanoyl-phorbol-13-acetate: translocation of protein kinase C and phosphorylation of thyroid cell polypeptide substrates. Tanabe A, et al.
Arch Biochem Biophys 1985 Nov 15;243(1):92-9

Effects of acetylcholine, TSH and other stimulators on intracellular calcium concentration in dog thyroid cells. Sheela Rani CS, et al. **Biochem Biophys Res Commun** 1985 Sep 30;131(3):1041-7

TSH-stimulated increases in calcium uptake and calmodulin levels in thyroid cells. Takasu N, et al.
Biochem Biophys Res Commun 1986 Apr 14;136(1):306-9

Three-dimensional aspects of blood vessels in thyroids from normal, low iodine diet-treated, TSH-treated, and PTU-treated rats. Imada M, et al. **Cell Tissue Res** 1986; 245(2):291-6

Catecholamine, vasoactive intestinal peptide and thyrotrophin-dependent cAMP levels display a different sensitivity to iodothyronines in both normal and pathological human thyroid cells in culture. Brandi ML, et al. **Clin Endocrinol (Oxf)** 1985 Nov;23(5):503-9

Effects of norepinephrine on basal and thyrotropin-stimulated thyroid hormone secretion in the mouse. Ahrén B, et al. **Endocrinology** 1986 Sep; 119(3):1058-62

TSH and cAMP enhance expression of the myc proto-oncogene in cultured thyroid cells. Dere WH, et al. **Endocrinology** 1985 Nov;117(5):2249-51

Thyrotropin regulates thyrotroph responsiveness to dopamine in vitro. Foord SM, et al. **Endocrinology** 1986 Apr;118(4):1319-26

Dephosphorylation of 19K and 21K polypeptides in response to thyroid-stimulating hormone in cultured thyroid cells. Ikeda M, et al. **Endocrinology** 1986 Aug;119(2):591-9

Dopamine and L-dopa: inhibition of thyrotropin-stimulated thyroidal thyroxine release. Maayan ML, et al.
Endocrinology 1986 Feb;118(2):632-6

Regulation of thyrotropin (TSH) bioactivity by TSH-releasing hormone and thyroid hormone. Menezes-Ferreira MM, et al. **Endocrinology** 1986 May; 118(5):2125-30

Thyrotropin-stimulated electrical excitation and its refractoriness in cultured porcine thyroid cells. Takasu N, et al. **Endocrinology** 1986 Mar;118(3):1217-21

Insulin-like growth factor-I stimulates the growth of rat thyroid cells in culture and synergizes the stimulation of DNA synthesis induced by TSH and Graves'-IgG. Tramontano D, et al. **Endocrinology** 1986 Aug;119(2):940-2

Thyrotropin-independent mutant clones from FRTL5 rat thyroid cells: hormonal control mechanisms in differentiated cells. Tramontano D, et al. **Endocrinology** 1986 Feb;118(2):862-8

Location of epidermal growth factor receptors on porcine thyroid follicle cells and receptor regulation by thyrotropin. Westermark K, et al. **Endocrinology** 1986 Mar; 118(3):1040-6

Differential protein synthesis in the induction of thyroid cell proliferation by thyrotropin, epidermal growth factor or serum. Lamy F, et al. **Eur J Biochem** 1986 Mar 3; 155(2):265-72

Antagonistic effects of thyrotropin and epidermal growth factor on thyroglobulin mRNA level in cultured thyroid cells. Roger PP, et al. **Eur J Biochem** 1985 Oct 15; 152(2):239-45

Thyrotropin-induced formation of functional follicles in primary cultures of ovine thyroid cells. Mak WW, et al.
Exp Cell Res 1986 Jun;164(2):311-22

Comparison of newt lens regeneration stimulating activity in preparations of mammalian thyrotropin and fibroblast growth factor purified by various methods. Cuny R, et al. **Exp Eye Res** 1985 Nov;41(5):629-37

Action of TSH on nuclear ADP-ribosylation in dog thyroid slices. Pisarev MA, et al. **Experientia** 1985 Nov 15; 41(11):1453-5

Thyrotropin and cyclic AMP regulation of ras proto-oncogene expression in cultured thyroid cells. Dere WH, et al. **FEBS Lett** 1986 Feb 17;196(2):305-8

TSH-induced cyclic AMP production in an ovine thyroid cell line: OVNIS 5H. Fayet G, et al. **FEBS Lett** 1986 Jan 6;194(2):287-91

Thyrotropin and norepinephrine stimulate the metabolism of phosphoinositides in FRTL-5 thyroid cells. Philp NJ, et al. **FEBS Lett** 1986 Jul 7;202(2):193-6

Growth and differentiation in cultured human thyroid cells: effects of epidermal growth factor and thyrotropin. Errick JE, et al. **In Vitro Cell Dev Biol** 1986 Jan;22(1):28-36

Thyrotropin stimulation test--new perspective on value of monitoring triiodothyronine. Oliver JW, et al.
J Am Vet Med Assoc 1985 Nov 1;187(9):931-4

Thyrotropin and dibutyryl cyclic AMP increase levels of c-myc and c-fos mRNAs in cultured rat thyroid cells. Tramontano D, et al. **J Biol Chem** 1986 Mar 25; 261(9):3919-22

Inhibition of thyrotropin-stimulated adenosine 3',5'-monophosphate formation in rat thyroid cells by an adenosine analog. Evidence that the inhibition is mediated by the putative inhibitory guanine nucleotide regulatory protein. Berman MI, et al.
J Cyclic Nucleotide Protein Phosphor Res 1986; 11(2):99-111

Sodium dependence of the thyrotrophin-induced depolarization in cultured porcine thyroid cells. Hambleton TA, et al. **J Endocrinol** 1986 Feb;108(2):225-30

In-vivo studies of a human-thyrotrophin preparation. Law A, et al. **J Endocrinol** 1986 Aug;110(2):375–8
Effects of thyrotropin and thyroid stimulating immunoglobulins on gangliosides labelling of human thyroid cultured pathological cells. Etienne-Decerf J, et al. **J Endocrinol Invest** 1986 Feb;9(1):57–63
Colloid droplet accumulation precedes the enhancement of 6-keto-PGF 1 alpha release from the thyrotropin-stimulated thyroid gland. Pawlikowski M, et al. **J Endocrinol Invest** 1985 Aug;8(4):293–5
Cellular requirements for thyrotropin enhancement of in vitro antibody production. Kruger TE, et al. **J Immunol** 1986 Jul 1;137(1):197–200
Effect of thyrotropin on conversion of T4 to T3 in perfused rat liver. Ikeda T, et al. **Life Sci** 1986 May 19;38(20):1801–6
The role of calcium in the induction of refractoriness to cyclic AMP stimulation by TSH. Chayoth R, et al. **Metabolism** 1985 Dec;34(12):1128–32
Effect of TSH on conversion of T4 to T3 in perfused rat kidney. Ikeda T, et al. **Metabolism** 1985 Nov;34(11):1057–60
Relationships between the GTP content and the TSH-stimulated adenylate cyclase activity of cultured thyroid cells. Aublin JL, et al. **Mol Cell Endocrinol** 1986 Apr;45(1):11–20
Epidermal growth factor inhibits thyrotropin-mediated synthesis of tissue-specific proteins in cultured ovine thyroid cells. Errick JE, et al. **Mol Cell Endocrinol** 1985 Nov;43(1):51–9
Graded response in the individual thyroid follicle cell to increasing doses of TSH. Nilsson M, et al. **Mol Cell Endocrinol** 1986 Feb;44(2):165–9
Thyrotropin upregulates alpha 1-adrenergic receptors in rat FRTL-5 thyroid cells. Corda D, et al. **Proc Natl Acad Sci USA** 1985 Dec;82(24):8677–80
Induction of the c-fos oncogene by thyrotropic hormone in rat thyroid cells in culture. Colletta G, et al. **Science** 1986 Jul 25;233(4762):458–60
[Stimulation of adenyl cyclase and fixation of iodine in human cancerous thyroid cells in culture] Thomas-Morvan C. **C R Acad Sci [III]** 1985;301(10):487–90 (Eng. Abstr.) **(Fre)**
[Effect of hypophyseal thyrotropic hormone on the dynamics of pH changes in the dog duodenum] Kienia AI. **Dokl Akad Nauk SSSR** 1986;287(2):469–73 **(Rus)**

PHYSIOLOGY

Investigation of gonadotropin-thyrotropin overlapping and hormonal imprinting in the rat testis. Dobozy O, et al. **Acta Physiol Hung** 1985;66(2):169–75
Ultrastructure and cytochemistry of thyroid lysosomes following subtotal thyroidectomy. Krupp PP, et al. **Anat Rec** 1986 Feb;214(2):177–82
Differentiation and thyroid-stimulating hormone (TSH) sensitivity of the fetal rat thyroid in organ culture. Yamamoto M, et al. **Anat Rec** 1986 Aug;215(4):361–4
The role of the carbohydrate moiety in thyrotropin action. Berman MI, et al. **Biochem Biophys Res Commun** 1985 Dec 17;133(2):680–7
Reparative growth in the rat thyroid: effect of TSH suppression. Stringer BM, et al. **Cell Tissue Kinet** 1986 Jan; 19(1):49–56
Thyroidal response to an increase or decrease of endogenous TSH in patients with hyperthyroidism and its correlation with TSH binding inhibiting immunoglobulin. Katakura M, et al. **Clin Exp Pharmacol Physiol** 1986 May;13(5):407–15
Unusual antagonistic actions of mixtures of vasoactive intestinal peptide, thyroid-stimulating antibodies, and cholera toxin on adenosine 3',5'-monophosphate accumulation in normal human thyroid cell cultures. Brandi ML, et al. **J Clin Endocrinol Metab** 1986 Jun;62(6):1199–205
Thyroid-stimulating antibody mimics thyrotropin in its ability to desensitize the adenosine 3',5'-monophosphate response to acute stimulation in continuously cultured rat thyroid cells (FRT-L5). Vitti P, et al. **J Clin Endocrinol Metab** 1986 Aug;63(2):454–8
Influence of the neonatal suppression of TSH production (neonatal hyperthyroidism) on response to TSH in adulthood. Csaba G, et al. **J Endocrinol Invest** 1985 Dec; 8(6):557–9
[Protein and polypeptide growth factors—adrenal cortex-stimulating hormone and thyroid-stimulating hormone] Tamura Y, et al. **Nippon Rinsho** 1986 Jan; 44(1):89–93 (25 ref.) **(Jpn)**

SECRETION

Thyrotropin—an episodically secreted hormone. Brabant G, et al. **Acta Endocrinol (Copenh)** 1986 Jul;112(3):315–22
Mild hyperthyroidism with inappropriate secretion of TSH in postmenopausal women. Castro N, et al. **Acta Endocrinol (Copenh)** 1986 Feb;111(2):204–8
Hyperthyroidism caused by a pituitary thyrotrophin-secreting tumour with excessive secretion of thyrotrophin-releasing hormone and subsequently followed by Graves' disease in a middle-aged woman. Kamoi K, et al. **Acta Endocrinol (Copenh)** 1985 Nov;110(3):373–82
Catecholamines and pituitary function. IV. Effects of low-dose dopamine infusion and long-term bromocriptine treatment on the abnormal thyrotroph (TSH) dynamics in patients with pathological hyperprolactinaemia. Nicoletti I, et al. **Acta Endocrinol (Copenh)** 1986 Feb;111(2):154–61
Human foetal prolactin but not thyrotropin secretion is decreased by bromocriptine. Roti E, et al. **Acta Endocrinol (Copenh)** 1986 May;112(1):35–42
Attempts to antagonize the effect of histamine on the cold-stimulated thyrotropin secretion in male rats. Tuominen RK. **Acta Pharmacol Toxicol (Copenh)** 1985 Nov;57(5):371–7
Effects of amiodarone and desethylamiodarone on pituitary deiodinase activity and thyrotropin secretion in the rat. Safran M, et al. **Am J Med Sci** 1986 Sep;292(3):136–41
Pituitary gland: one site of ultrashort-feedback regulation for control of thyrotropin. Kakita T, et al. **Am J Physiol** 1986 Feb;250(2 Pt 1):E121–4
The effect of maneb, zineb, and ethylenethiourea on the humoral activity of the pituitary-thyroid axis in rat. Laisi A, et al. **Arch Toxicol [Suppl]** 1985;8:253–8
Studies on the site and mechanism of the inhibitory action of intracerebral histamine on the cold-stimulated thyrotropin secretion in male rats. Tuominen RK, et al. **Brain Res** 1985 Sep 23;343(2):329–35
Pulsatile pattern of thyrotropin-release in normal men. Brabant G, et al. **Clin Chim Acta** 1986 Mar 16;155(2):159–62
Prolactin and TSH responses to both domperidone and TRH in normal and hyperprolactinaemic women after dopamine synthesis blockade. Ghigo E, et al. **Clin Endocrinol (Oxf)** 1985 Aug;23(2):155–60
Inappropriate thyrotrophin secretion, increased dopaminergic tone and preservation of the diurnal rhythm in serum TSH. Magee B, et al. **Clin Endocrinol (Oxf)** 1986 Feb;24(2):209–15
Lack of effect of the TRH related dipeptide histidyl-proline diketopiperazine on TSH and PRL secretion in normal subjects, in patients with microprolactinomas and in primary hypothyroidism. Peters J, et al. **Clin Endocrinol (Oxf)** 1985 Sep;23(3):289–93
The preoperative and postoperative investigation of TSH and prolactin release in the management of patients with hyperprolactinaemia due to prolactinomas and nonfunctional pituitary tumours: relationship to adenoma size at surgery. Scanlon MF, et al. **Clin Endocrinol (Oxf)** 1986 Apr;24(4):435–46
Inappropriate TSH secretion with abnormal thyrotroph sensitivity to dopamine. Drucker D, et al. **Clin Invest Med** 1985;8(2):117–20
Stimulatory effect of PMRPamide (Phe-Met-Arg-Phe-NH2) on thyrotropin secretion in rats. Mitsuma T, et al. **Endocrinol Exp (Bratisl)** 1985 Dec; 19(4):205–11
Growth hormone, thyrotropin and prolactin responses to simultaneous administration of human growth hormone-releasing factor and thyrotropin releasing hormone in the bovine. Hodate K, et al. **Endocrinol Jpn** 1985 Jun;32(3):375–83
Effects of phorbol ester on GH, TSH and PRL release by superfused rat adenohypophysis. Ikeda H, et al. **Endocrinol Jpn** 1985 Oct;32(5):759–65
Twenty-four hour secretory pattern of thyroid-stimulating hormone in hyperprolactinemic women with pituitary microadenoma. Seki K, et al. **Endocrinol Jpn** 1985 Jun; 32(3):369–73
Sensitivity of thyrotropin (TSH) secretion to 3,5,3'-triiodothyronine and TSH-releasing hormone in rat during starvation. Hugues JN, et al. **Endocrinology** 1986 Jul;119(1):253–60
Lack of effect of deflazacort, a novel glucocorticoid, on basal and TRH-stimulated prolactin and thyrotropin levels in healthy subjects. Barbieri C, et al. **Eur J Clin Pharmacol** 1985;29(1):123–5
Prolactin and thyrotropin response to thyrotropin-releasing-hormone in adolescent females with insulin-treated diabetes mellitus. Komorowski JM, et al. **Exp Clin Endocrinol** 1985 Jun;85(3):326–30
Physalaemin inhibits thyrotropin secretion in rats. Mitsuma T, et al. **Exp Clin Endocrinol** 1985 Jun;85(3):319–25
TRH analogue with C-terminal thioamide group. Synthesis, receptor binding, TSH-releasing activity and alpha-MSH-releasing activity. Kruszyński M, et al. **Experientia** 1985 Dec 15;41(12):1576–7
In vivo effects of gamma-aminobutyric acid and beta-alanine on thyrotrophin secretion in the normal and hypothyroid rat. Sánchez-Herranz A, et al. **Horm Metab Res** 1985 Nov; 17(11):588–91
Effect of 1,25(OH)2D3 on the TSH secretion from rat pituitary cells. Törnquist K, et al. **Horm Metab Res** 1986 Jan;18(1):69
The anti-oestrogen tamoxifen does not interfere with the dopaminergic control of prolactin and TSH release in normogonadotrophic oligozoospermic man. van Bergeijk L, et al. **Horm Metab Res** 1986 Apr;18(4):272–6
Suppression of testicular androgenesis by D-tryptophan-6-luteinizing hormone-releasing hormone does not affect TSH secretion in male subjects. Barreca T, et al. **Horm Res** 1986;23(3):181–4
Hyperthyroidism due to a thyrotropin secreting pituitary adenoma. McCann JP, et al. **Ir J Med Sci** 1985 Sep; 154(9):358–60
Endocrine, biochemical, and morphological studies of a pituitary adenoma secreting growth hormone, thyrotropin (TSH), and alpha-subunit: evidence for secretion of TSH with increased bioactivity. Beck-Peccoz P, et al. **J Clin Endocrinol Metab** 1986 Apr;62(4):704–11
Deficient nocturnal surge of thyrotropin in central hypothyroidism. Caron PJ, et al. **J Clin Endocrinol Metab** 1986 May;62(5):960–4
Pulsatile secretion of thyrotropin in man. Greenspan SL, et al. **J Clin Endocrinol Metab** 1986 Sep;63(3):661–8
A modulatory role for cyclic AMP in the control of thyrotrophin release: studies with forskolin and dibutyryl cyclic AMP. Davis JR, et al. **J Endocrinol** 1986 Jun; 109(3):365–9
The influence of thyroid disorders on the dopaminergic regulation of prolactin, thyrotropin and growth hormone. Eskildsen PC, et al. **J Endocrinol Invest** 1985 Oct; 8(5):427–31
Effects of in vivo bolus versus continuous TRH administration on TSH secretion, biosynthesis, and glycosylation in normal and hypothyroid rats. Taylor T, et al. **Mol Cell Endocrinol** 1986 Aug;46(3):253–61
Involvement of endogenous somatostatin in the regulation of thyrotroph secretion during acute and chronic changes in diet. Hugues JN, et al. **Neuroendocrinology** 1986; 43(3):435–9
Dynamics of thyrotropin-releasing hormone-induced thyrotropin and prolactin secretion by acutely dispersed rat adenohypophyseal cells. Evidence for 'all-or-none' secretion by heterogeneous secretory units, each with a specific response threshold. Keith LD, et al. **Neuroendocrinology** 1986;43(4):445–52
Regulation of growth hormone and thyrotropin secretion by somatostatin systems in rat brain. Terry LC, et al. **Neuroendocrinology** 1986;42(3):218–25
Regulation of thyrotropin secretion by the central epinephrine system. Studies in the chronically cannulated rat. Terry LC. **Neuroendocrinology** 1986;42(2):102–8
Effect of microionophoresis of met-enkephalin into various brain structures on the secretion of luteinizing and thyrotropic hormones. Mironov SF, et al. **Neurosci Behav Physiol** 1985 Sep-Oct;15(5):428–31
In vitro effects of endogenous opiate peptides on thyrotropin function: inhibition of thyrotropin-releasing hormone release and absence of effect on thyrotropin release. Jordan D, et al. **Neurosci Lett** 1986 Jun 30;67(3):289–94
The use of neuropeptide challenge tests as diagnostic adjuncts in psychiatry. Loosen PT. **Prog Clin Biol Res** 1985; 192:379–82
Thyrotropin-releasing hormone test in recently abstinent alcoholics. Casacchia M, et al. **Psychiatry Res** 1985 Nov; 16(3):249–51
Inappropriate thyroid-stimulating hormone release in the elderly? Pontiroli AE, et al. **Ric Clin Lab** 1985 Apr-Jun; 15(2):185–8
Thyroid-stimulating hormone pituitary adenomas and hyperthyroidism. Grisoli F, et al. **Surg Neurol** 1986 Apr; 25(4):361–8
[Thyrotropic function in patients with a hypothalamic or pituitary tumor. Possibility of the secretion of a TSH with reduced biological activity] Valensi P, et al. **Ann Med Interne (Paris)** 1986;137(2):138–41 (Eng. Abstr.) **(Fre)**
[Secretory control of pituitary hormones—mechanism of TSH secretory control] Koide Y, et al. **Nippon Rinsho** 1986 Mar;44(3):593–8 (30 ref.) **(Jpn)**
[Effect of thyroliberin on prolactin and thyrotropin secretion in patients with primary hypothyroidism] Dorobek W, et al. **Pol Tyg Lek** 1985 Jul 8;40(27):756–8 **(Pol)**
[Lactotropic and thyrotropic functions of the hypophysis in polycystic ovary syndrome] Tudose TI, et al. **Probl Endokrinol (Mosk)** 1986 May-Jun;32(3):3–7 (Eng. Abstr.) **(Rus)**
[Post-traumatic hypothalamic hypopituitarism: abnormal secretion of TSH due to lack of dopaminergic modulation (letter)] Nuño Alvarez E, et al. **Med Clin (Barc)** 1985 Oct 26;85(13):556–7 **(Spa)**

THERAPEUTIC USE

[A case of generalized tissue resistance to thyroid hormones] Lakatos P, et al. **Orv Hetil** 1986 Mar 9;127(10):583–6 (Eng. Abstr.) **(Hun)**

THYROTROPIN RELEASING HORMONE

Conformational study of thyrotrophin-releasing hormone. I. Aspects of importance in the design of novel TRH analogues. Ward DJ, et al. **Int J Pept Protein Res** 1986 May;27(5):461–71

ADMINISTRATION & DOSAGE

The time interval effect on two consecutive LHRH-TRH tests on adult female baboons. Su JH, et al. **Endocrinol Jpn** 1985 Aug;32(4):455–62
Divergent dopaminergic regulation of TSH, free alpha-subunit, and TSH-beta in pituitary cell culture. Greenspan SL, et al. **Metabolism** 1986 Sep;35(9):843–6
Effects of in vivo bolus versus continuous TRH administration on TSH secretion, biosynthesis, and glycosylation in normal and hypothyroid rats. Taylor T, et al. **Mol Cell Endocrinol** 1986 Aug;46(3):253–61

ANALOGS & DERIVATIVES

Analogs of thyrotropin-releasing hormone: hypotheses relating receptor binding to net excitation of spinal lower motor neurons. Hawkins EF, et al. **Biochem Biophys Res Commun** 1986 Aug 14;138(3):1184–90

Changes in the behavioural response to a TRH analogue following chronic amitriptyline treatment and repeated electroconvulsive shock in the rat. Bennett GW, et al. **Br J Pharmacol** 1986 May;88(1):129–39

Stimulation by gastrin-releasing peptide, neurotensin and DN1417, a novel TRH analog, of dopamine and norepinephrine release from perifused rat hypothalamic fragments in vitro. Kabayama Y, et al. **Brain Res** 1986 May 7;372(2):394–9

TRH analogue with C-terminal thioamide group: rapid degradation by plasma and its biological effects. Angyal R, et al. **Endocrinol Exp (Bratisl)** 1985 Dec;19(4):213–9

TRH analogue with C-terminal thioamide group. Synthesis, receptor binding, TSH-releasing activity and alpha-MSH-releasing activity. Kruszyński M, et al. **Experientia** 1985 Dec 15;41(12):1576–7

The prophylactic and anticonvulsant effects of a TRH analog (DN-1417) on amygdaloid kindling model of epilepsy. Okamoto M, et al. **Folia Psychiatr Neurol Jpn** 1985; 39(3):313–6

Conformational study of thyrotrophin-releasing hormone. I. Aspects of importance in the design of novel TRH analogues. Ward DJ, et al. **Int J Pept Protein Res** 1986 May;27(5):461–71

Synthesis of thyrotropin-releasing hormone analogues. 2. Tripeptides structurally greatly differing from TRH with high central nervous system activity. Szirtes T, et al. **J Med Chem** 1986 Sep;29(9):1654–8

Benzodiazepine interactions with central thyroid-releasing hormone binding sites: characterization and physiological significance. Rinehart RK, et al. **J Pharmacol Exp Ther** 1986 Jul;238(1):178–85

A possible mechanism of action of thyrotropin-releasing hormone (TRH) and its analog DN-1417 on the release of dopamine from the nucleus accumbens and striatum in rats. Narumi S, et al. **Jpn J Pharmacol** 1985 Dec; 39(4):425–35

Intracerebroventricular injection of a TRH analogue, gamma-butyrolactone-gamma-carbonyl-L-histidyl-prolinamide, induces gastric lesions and gastric acid stimulation in rats. Maeda-Hagiwara M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Aug; 330(2):142–6

TRH analogue affects information transfer through the ventrobasal thalamus. Clarke KA. **Neuropeptides** 1986 Jan; 7(1):31–9

Effects of a new thyrotropin-releasing hormone analogue (DN-1417) on evoked responses and long-term potentiation in the dentate gyrus of rat. Morimoto K, et al. **Neurosci Lett** 1986 Jan 16;63(2):195–9

Effect of DN-1417, a thyrotropin releasing hormone analog, on dopaminergic neurons in rat brain. Nakahara T, et al. **Peptides** 1985 Nov-Dec;6(6):1093–9

Synthesis, receptor binding affinities and alpha-MSH releasing activities of TRH analogues. Aleksandrova M, et al. **Pol J Pharmacol Pharm** 1985 Mar-Apr;37(2):197–207

Neuropeptide modulation of the behavioral effects of drugs. Barrett JE, et al. **Prog Clin Biol Res** 1985;192:37–50

Comparative effects of thyrotropin releasing hormone, MK-771 and DN-1417 on morphine abstinence syndrome. Bhargava HN, et al. **Psychopharmacology (Berlin)** 1985; 87(2):141–6

[Effect of TRH and its analog DN-1417 on anoxia-induced amnesia in mice] Yamazaki N, et al. **Yakubutsu Seishin Kodo** 1985 May;5(1):1–9 (Eng. Abstr.) **(Jpn)**

[Biological properties of structural analogs of thyroliberin] Fedotov VP, et al. **Vopr Med Khim** 1985 Nov-Dec; 31(6):91–4 (Eng. Abstr.) **(Rus)**

ANALYSIS

Immunolocalization of the thyrotropin-releasing hormone prohormone in the rat central nervous system. Lechan RM, et al. **Endocrinology** 1986 Sep;119(3):1210–6

Ontogeny of nyctohemeral variations of thyrotropin-releasing hormone in rat hypothalamus. Martino E, et al. **Endocrinology** 1986 Jul;119(1):232–5

Novel enzyme immunoassay for thyrotropin-releasing hormone using N-(4-diazophenyl)maleimide as a coupling agent. Fujiwara K, et al. **FEBS Lett** 1986 Jul 7; 202(2):197–201

Regional distribution of immunoreactive-thyrotrophin-releasing hormone and substance P, and indolermines in human spinal cord. Bennett GW, et al. **J Neurochem** 1986 Jun;46(6):1718–24

Concentrations of immunoreactive thyrotropin-releasing hormone in the brain of patients with olivoponto-cerebellar atrophy. Mitsuma T, et al. **J Neurol Sci** 1985 Dec; 71(2–3):369–75

Amyotrophic lateral sclerosis: thyrotropin-releasing hormone and histidyl proline diketopiperazine in the spinal cord and cerebrospinal fluid. Jackson IM, et al. **Neurology** 1986 Sep;36(9):1218–23

Changes in TRH immunoreactivity in spinal cord after experimental spinal injury. Faden AI, et al. **Neuropeptides** 1986 Jan;7(1):11–8

Immunohistochemical localization of TRH in rat CNS: comparison with RIA studies. Kreider MS, et al. **Peptides** 1985 Sep-Oct;6(5):997–1000

Subcellular localization of thyrotropin-releasing hormone (TRH)- and neuropeptide Y (NPY)-like immunoreactivity in the neurointermediate lobe of the frog pituitary. Morel G, et al. **Peptides** 1985 Nov-Dec;6(6):1085–91

BIOSYNTHESIS

In vitro production of a TRH-homologous peptide and His-Pro diketopiperazine by human semen. Pekary AE, et al. **J Androl** 1985 Nov-Dec;6(6):379–85

BLOOD

Effects of histamine and related compounds on thyrotropin secretion in rats. Mitsuma T, et al. **Horm Res** 1986; 23(2):99–105

Thyrotropin-releasing hormone cannot be detected in plasma from normal subjects. Iversen E. **J Clin Endocrinol Metab** 1986 Aug;63(2):516–9

Plasma levels of exogenous thyrotropin-releasing hormone (TRH) in normal subjects: relationship to endocrine and behavioral effects. Loosen PT, et al. **Pharmacopsychiatry** 1985 Nov;18(6):325–9

CEREBROSPINAL FLUID

Thyrotropin releasing hormone levels in human cerebrospinal fluid in various neurologic diseases. Mitsuma T, et al. **Am J Med Sci** 1986 Mar;291(3):164–7

Metabolism of thyrotropin-releasing hormone in human cerebrospinal fluid. Isolation and characterization of pyroglutamate aminopeptidase activity. Prasad C, et al. **Brain Res** 1986 Feb 5;364(2):331–7

DEFICIENCY

Central hypothyroidism: isolated thyrotropin-releasing hormone deficiency or resistance of pituitary thyrotropes? [letter] Foresti V, et al. **J Endocrinol Invest** 1985 Dec; 8(6):577

DIAGNOSTIC USE

Infarction of a growth hormone-secreting macroadenoma during a TRH test. Lever EG, et al. **Acta Endocrinol (Copenh)** 1986 Jun;112(2):172–9

Basal TSH determination instead of TRH test. Lukinac L, et al. **Acta Med Iugosl** 1986;40(2):115–20

Serum thyroid-stimulating hormone in cerebrovascular disease. Hägg E, et al. **Acta Med Scand** 1986;219(1):53–8

TRH tests with analyses of TSH, prolactin, and GH responses in subtypes of patients with major depressive disorders. Agren H, et al. **Acta Psychiatr Scand** 1986 May; 73(5):549–58

Twenty-four-hour serum levels of T4 and T3 in relation to decreased TSH serum levels and decreased TSH response to TRH in affective disorders. Undén F, et al. **Acta Psychiatr Scand** 1986 Apr;73(4):358–65

A comparison of DSM-III and ICD-8 diagnoses for major affective disorders and the use of biological markers for depression. Malt U, et al. **Acta Psychiatr Scand [Suppl]** 1986;328:35–44

Hypophysiotropic hormone testing in a patient with hypothalamic hypopituitarism. Feldman A, et al. **Am J Med** 1986 May;80(5):1006–10

Cysteamine decreases prolactin responsiveness to thyrotropin-releasing hormone in normal men. Copeland PM, et al. **Am J Med Sci** 1986 Jan;291(1):16–9

Sympathomimetic pressor responses to thyrotropin-releasing hormone in rats. Mattila J, et al. **Am J Physiol** 1986 Jul; 251(1 Pt 2):H86–92

Reduced TSH and prolactin responses to TRH in patients with panic disorder. Roy-Byrne PP, et al. **Am J Psychiatry** 1986 Apr;143(4):503–7

Positive methylphenidate response and blunted thyrotropin-releasing hormone response in depression [letter] Schwarcz G, et al. **Am J Psychiatry** 1986 Mar; 143(3):397

Equine thyroid function assessment with the thyrotropin-releasing hormone response test. Lothrop CD Jr, et al. **Am J Vet Res** 1986 Apr;47(4):942–4

Elevated basal levels and exaggerated responses to thyrotrophin-releasing hormone of prolactin and thyrotrophin in Turner-Noonan-Syndrome. Kumanov P. **Andrologia** 1985 Jul-Aug;17(4):395–9

Effects of experimental hyperprolactinemia and clomiphene on pituitary responsiveness to LHRH and TRH in men. Rönnberg L, et al. **Andrologia** 1985 Jul-Aug;17(4):364–8

Response of thyrotropin to thyrotropin-releasing hormone as predictor of treatment outcome. Prediction of recovery and relapse in treatment with antidepressants and neuroleptics. Langer G, et al. **Arch Gen Psychiatry** 1986 Sep;43(9):861–8

Central thyroid stimulation in severely ill depressed, manic and schizophrenic patients. Baumgartner A. **Biol Psychiatry** 1986 Apr;21(4):417–21

Human corticotropin-releasing hormone in depression—correlation with thyrotropin secretion following thyrotropin-releasing hormone. Holsboer F, et al. **Biol Psychiatry** 1986 Jun;21(7):601–11

Is there paradoxical growth hormone response to thyrotropin-releasing hormone in depression? Hsiao JK, et al. **Biol Psychiatry** 1986 Jun;21(7):595–600

Prolactin response to TRH in Alzheimer's disease and elderly controls. Newhouse PA, et al. **Biol Psychiatry** 1986 Aug; 21(10):963–7

Thyrotropin-releasing hormone stimulation test and Alzheimer's disease. Peabody CA, et al. **Biol Psychiatry** 1986 May;21(5–6):553–6

Diagnostic value of thyrotrophin releasing hormone tests in elderly patients with atrial fibrillation. Davies AB, et al. **Br Med J [Clin Res]** 1985 Sep 21;291(6498):773–6

Diagnostic value of thyrotrophin releasing hormone tests in elderly patients with atrial fibrillation [letter] Toft AD, et al. **Br Med J [Clin Res]** 1985 Nov 2;291(6504):1276–7

Immunoradiometric assay of thyrotropin in plasma: its value in predicting response to thyroliberin stimulation and assessing thyroid function in amiodarone-treated patients. Wiersinga WM, et al. **Clin Chem** 1986 Mar;32(3):433–6

Prediction of response to endocrine therapy in pronounced cyclical mastalgia using dynamic tests of prolactin release. Kumar S, et al. **Clin Endocrinol (Oxf)** 1985 Dec; 23(6):699–704

Dexamethasone suppression and multiple hormonal responses (TSH, prolactin and growth hormone) to TRH in some psychiatric disorders. Banki CM, et al. **Eur Arch Psychiatry Neurol Sci** 1985;235(1):32–7

Evaluation of the pituitary-thyroidal axis in newborns undergoing exchange transfusion. Lanes R, et al. **Eur J Pediatr** 1986 Apr;145(1–2):70–2

Prolactin and thyrotropin response to thyrotropin-releasing-hormone in adolescent females with insulin-treated diabetes mellitus. Komorowski JM, et al. **Exp Clin Endocrinol** 1985 Jun;85(3):326–30

Depressed follicle-stimulating hormone, luteinizing hormone, and prolactin responses to the luteinizing hormone-releasing hormone, thyrotropin-releasing hormone, and metoclopramide test in endurance runners in the hard-training season. Ronkainen H. **Fertil Steril** 1985 Dec;44(6):755–9

The TRH and LH-RH loading test in autistic children. Hoshino Y, et al. **Fukushima J Med Sci** 1985 Jun; 31(1):55–61

Cardiopulmonary bypass: a low T4 and T3 syndrome with blunted thyrotropin (TSH) response to thyrotropin-releasing hormone (TRH). Robuschi G, et al. **Horm Res** 1986;23(3):151–8

Carbidopa plus L-dopa pretreatment inhibits the prolactin (PRL) response to thyrotropin-releasing hormone and thus cannot distinguish central from pituitary sites of prolactin stimulation. Carlson HE. **J Clin Endocrinol Metab** 1986 Jul;63(1):249–51

Thyrotropin-releasing hormone testing during antithyroid drug treatment of Graves' disease as an indicator of remission. Dahlberg PA, et al. **J Clin Endocrinol Metab** 1985 Dec;61(6):1100–4

The prolactin response to thyrotropin-releasing hormone does not distinguish teenaged males with hypogonadotropic hypogonadism from those with constitutional delay of growth and development. Moshang T Jr, et al. **J Clin Endocrinol Metab** 1985 Dec;61(6):1211–3

Increased thyroid-stimulating hormone response to thyrotropin-releasing hormone in hyperprolactinemic women. Seki K, et al. **J Clin Endocrinol Metab** 1985 Dec; 61(6):1138–41

Psychiatric applications of thyroid tests. Extein I, et al. **J Clin Psychiatry** 1986 Jan;47(1 Suppl):13–6

The TRH test in bulimia and anorexia nervosa: a controlled study. Norris PD, et al. **J Psychiatr Res** 1985;19(2–3):215–9

Prolactin response to TRH in depression. Zis AP, et al. **J Psychiatr Res** 1986;20(1):77–82

Diagnosing depression with the DST and TRH in cocaine and opioid abusers. Kosten TR. **J Subst Abuse Treat** 1986; 3(1):47–9

Diagnosis of hypothyroidism. Naeemul Haque M. **JPMA** 1986 Mar;36(3):49–50

Combined pituitary function-test with four hypothalamic releasing hormones. Schopohl J, et al. **Klin Wochenschr** 1986 Apr 1;64(7):314–8

Alterations in circulating thyroid hormones and thyrotropin in euthyroid patients with Graves' disease after total thyroidectomy: comparison between responders and nonresponders to TSH-releasing hormone. Tamai H, et al. **Metabolism** 1985 Nov;34(11):1024–8

The use of neuropeptide challenge tests as diagnostic adjuncts in psychiatry. Loosen PT. **Prog Clin Biol Res** 1985; 192:379–82

Specificity of the combined dexamethasone suppression and TRH/TSH tests in melancholia. Steiner M, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1985; 9(5–6):655–9

Effects of age and diagnosis on thyrotropin response to thyrotropin-releasing hormone in psychiatric patients. Baumgartner A, et al. **Psychiatry Res** 1986 Apr; 17(4):285–94

Thyrotropin-releasing hormone test in recently abstinent alcoholics. Casacchia M, et al. **Psychiatry Res** 1985 Nov; 16(3):249–51

The TRH stimulation test and the dexamethasone suppression test in depression. Dam H, et al. **Psychiatry Res** 1986 Apr; 17(4):309–16

TRH stimulation test in dementia of the Alzheimer type and elderly controls. Sunderland T, et al. **Psychiatry Res** 1985 Dec;16(4):269–75

Endocrine changes and clinical profiles in depression: II. The thyrotropin-releasing hormone test. Calloway SP, et al. **Psychol Med** 1984 Nov;14(4):759–65

MMPI results associated with abnormal responses to the DST and TRH tests. Post RD, et al. **Psychol Rep** 1986 Aug; 59(1):35–8

Associations among dexamethasone non-suppression and TRH-induced hormonal responses: increased specificity for melancholia? Banki CM, et al. **Psychoneuroendocrinology** 1986;11(2):205–11

The prolactin response to thyrotropin-releasing hormone in depressed patients and normal subjects. Garbutt JC, et al. **Psychoneuroendocrinology** 1986;11(2):213–9

The TRH-induced TSH response in psychiatric patients: a possible neuroendocrine marker. Loosen PT. **Psychoneuroendocrinology** 1985;10(3):237–60 (266 ref.)

Genetic differences in the endocrine responses to the thyrotrophin-releasing hormone stimulation test in patients with a major depressive episode. Aalbers C, et al. **S Afr Med J** 1986 Apr 12;69(8):508–9

[The TRH stimulation test in children] Skvor J. **Cesk Pediatr** 1986 Jun;41(6):354 (Cze)

[The TRH test in the mothers of children with cleft defects of the face and in women with infertility] Křemenová J, et al. **Vnitr Lek** 1986 Apr;32(4):362–8 (Eng. Abstr.) (Cze)

[Several critical aspects of the value of peripheral markers in depression (TRH test and dexamethasone depression)] Chabannes JP, et al. **Encephale** 1985 Jul–Aug;11(4):167–9 (Eng. Abstr.) (Fre)

[The TRH test in 60 depressed adolescents] Chabrol H, et al. **Encephale** 1985 Sep–Oct;11(5):209–10 (Eng. Abstr.) (Fre)

[Monitoring prolonged treatment with amiodarone in the elderly. Value of the protirelin test (letter)] Galley P, et al. **Presse Med** 1986 Jun 14;15(24):1156–7 (Fre)

[The place of the TRH (thyrotropin-releasing hormone) test in the evaluation of incomplete disorders of thyroid function: apropos of 34 cases] Chaieb L, et al. **Tunis Med** 1985 Jun–Jul;63(6–7):369–72 (Eng. Abstr.) (Fre)

[TRH-stimulated growth hormone secretion in acromegaly. Therapeutic results with 188 patients] Eversmann T, et al. **Dtsch Med Wochenschr** 1986 Jul 11;111(28–29):1091–6 (Eng. Abstr.) (Ger)

[Does the determination of basal TSH level replace the TRH test?] Keller H. **Schweiz Med Wochenschr** 1986 Jul 26; 116(30):1009–15 (Eng. Abstr.) (Ger)

[Results of operative treatment of strumas and problems of endocrinologic aftercare under conditions of iodine deficiency in Mecklenburg] Rühle H, et al. **Z Arztl Fortbild (Jena)** 1985;79(11):471–3 (Ger)

[Arginine-GnRH-TRH test in patients with primary hypothalamic amenorrhea] Rudolf K, et al. **Zentralbl Gynakol** 1985;107(16):996–1002 (Eng. Abstr.) (Ger)

[Theoretical principles and personal experiences in the use of a sequential stimulation test with arginine, gonadotropin-releasing hormone and thyrotropin-releasing hormone in healthy probands] Rudolf K, et al. **Zentralbl Gynakol** 1985;107(21):1282–95 (Eng. Abstr.) (Ger)

[Behavior of the hypothalamo-hypophyseal unit to stimulation with arginine, GnRH and TRH in patients with chronic uremia] Rudolf K, et al. **Zentralbl Gynakol** 1985; 107(24):1510–9 (Eng. Abstr.) (Ger)

[Effect of mestranol and chlormadinone acetate on basal and TRH-stimulated PRL secretion in Turner's syndrome] Rudolf K, et al. **Zentralbl Gynakol** 1985;107(23):1446–53 (Eng. Abstr.) (Ger)

[The TRH test in the pathogenetic diagnosis of paroxysmal atrial fibrillation] Vannucchi P, et al. **Recenti Prog Med** 1986 Apr;77(4):169–72 (Eng. Abstr.) (Ita)

[Classification of asymptomatic autoimmune thyroiditis by thyrotropin-releasing hormone loading] Notsu K, et al. **Nippon Naibunpi Gakkai Zasshi** 1986 Mar 20;62(3):141–8 (Eng. Abstr.) (Jpn)

[Anterior pituitary hormone in severe head injury—with special reference to the GH, TSH, LH and FSH response to TRH and LH-RH] Yokota H, et al. **No Shinkei Geka** 1985 Sep;13(9):973–80 (Eng. Abstr.) (Jpn)

[Effect of thyroliberin on prolactin and thyrotropin secretion in patients with primary hypothyroidism] Dorobek W, et al. **Pol Tyg Lek** 1985 Jul 8;40(27):756–8 (Pol)

[Reaction of the hypophysis of women with normogonadotropic amenorrhea to thyroliberin and luliberin] Beskrovnaia NI, et al. **Akush Ginekol (Mosk)** 1986 May;(5):16–8 (Eng. Abstr.) (Rus)

[TRH test after subtotal thyroid resection for diffuse toxic goiter] Ibragim Md, et al. **Probl Endokrinol (Mosk)** 1985 Nov–Dec;31(6):12–6 (Eng. Abstr.) (Rus)

[Response to thyroliberin of prolactin, corticotropin and cortisol among women with Itsenko-Cushing disease] Manusharova RA, et al. **Vrach Delo** 1986 Jan;(1):94–7 (Eng. Abstr.) (Rus)

[Personal experience with dynamic prolactin tests in hypophyseal and hypothalamic disorders] Trejbal D, et al. **Cas Lek Cesk** 1986 Feb 28;125(9):265–9 (Eng. Abstr.) (Slo)

[Combined triple-stimulation test (LHRH, TRH, insulin) in the clinical evaluation of pituitary function] Aguirre Sánchez-Covisa M, et al. **Rev Clin Esp** 1985 Sep; 177(4):165–9 (Eng. Abstr.) (Spa)

[Response of prolactin to the administration of TRH in male patients with alcoholic cirrhosis: 1. Its relation to ascites] Pérez Alvarez R, et al. **Rev Esp Enferm Apar Dig** 1986 Apr;69(4):295–304 (Eng. Abstr.) (Spa)

GENETICS

Processing of the thyrotropin releasing hormone (TRH) precursor in Xenopus skin and bovine hypothalamus: evidence for the existence of extended forms of TRH. Cockle SM, et al. **Regul Pept** 1986 May;14(3):217–27

IMMUNOLOGY

Chronic immunization of endogenous thyrotrophin-releasing hormone (TRH) in brain alters the behavioural response to pentobarbital and a TRH analogue. Lighton C, et al. **Brain Res** 1986 Jul 23;378(2):385–9

METABOLISM

Postnatal development of brain TRH, serum TSH and thyroid hormones in the male and female rat. Gayo L, et al. **Acta Endocrinol (Copenh)** 1986 May;112(1):7–11

Ontogenetic development of pancreatic thyrotropin-releasing hormone in human foetuses and in infants. Martino E, et al. **Acta Endocrinol (Copenh)** 1986 Jul;112(3):372–6

The effect of inhibitors of prolyl endopeptidase and pyroglutamyl peptide hydrolase on TRH degradation in rat serum. Friedman TC, et al. **Biochem Biophys Res Commun** 1985 Oct 30;132(2):787–94

Cyclo (His-Pro), a metabolite of thyrotropin-releasing hormone: specific binding to rat liver membranes. Mori M, et al. **Biochem Biophys Res Commun** 1986 Jan 14; 134(1):443–51

Evidence for opiate action at the brain receptors for thyrotropin-releasing hormone. Bhargava HN, et al. **Brain Res** 1986 Mar 19;368(2):262–7

Hypothalamic thyrotropin-releasing hormone (TRH)-containing neurons involved in the hypothalamic-hypophysial-thyroid axis. Light microscopic immunohistochemistry. Nishiyama T, et al. **Brain Res** 1985 Oct 21;345(2):205–18

Innervation of the nucleus of the solitary tract and the dorsal vagal nucleus by thyrotropin-releasing hormone-containing raphe neurons. Palkovits M, et al. **Brain Res** 1986 May 14;373(1–2):246–51

Early postnatal administration of 5,7-dihydroxytryptamine: effects on substance P and thyrotropin-releasing hormone neurons and terminals in rat brain. Towle AC, et al. **Brain Res** 1986 Jan 15;363(1):38–46

Permeability of the blood-cerebrospinal fluid and blood-brain barriers to thyrotropin-releasing hormone. Zloković BV, et al. **Brain Res** 1985 Dec 9;358(1–2):191–9

Evidence for regulation of a thyrotropin-releasing hormone degradation pathway in GH3 cells. Friedman TC, et al. **Endocrinology** 1986 Feb;118(2):562–6

Seizures and thyrotropin-releasing hormone (TRH) neural system in the rat brain. Ogawa N, et al. **Folia Psychiatr Neurol Jpn** 1985;39(3):309–12

Correlative studies between the presence of thyrotropin-releasing hormone (TRH) receptors and the in vitro stimulation of growth-hormone (GH) secretion in human GH-secreting adenomas. Le Dafniet M, et al. **Horm Metab Res** 1985 Sep;17(9):476–9

Thyrotrophin-releasing hormone does not accumulate glycosylated thyrotrophin, but changes heterogeneous forms of thyrotrophin within the rat anterior pituitary gland. Mori M, et al. **J Endocrinol** 1986 May;109(2):227–31

Effect of unilateral or bilateral thyroidectomy on TRH content of hypothalamus halves. Gerendai I, et al. **J Endocrinol Invest** 1985 Aug;8(4):321–3

Delineation of a particulate thyrotropin-releasing hormone-degrading enzyme in rat brain by the use of specific inhibitors of prolyl endopeptidase and pyroglutamyl peptide hydrolase. Friedman TC, et al. **J Neurochem** 1986 Apr;46(4):1231–9

Thyrotropin-releasing hormone receptor binding sites: autoradiographic distribution in the rat and guinea pig brain. Pazos A, et al. **J Neurochem** 1985 Nov;45(5):1448–63

Demonstration of thyrotropin-releasing hormone immunoreactivity in neurons of the mouse spinal dorsal horn. Coffield JA, et al. **J Neurosci** 1986 Apr;6(4):1194–7

Ascorbic acid increases the thyrotropin-releasing hormone content of hypothalamic cell cultures. Glombotski CC, et al. **J Neurosci** 1986 Jun;6(6):1796–802

Effects of morphine on cold-induced TRH release from the median eminence of unanesthetized rats. Arancibia S, et al. **Life Sci** 1986 Jan 6;38(1):59–66

Studies on thyrotropin releasing hormone in cerebellar ataxia mutant mouse brain. Fukuma N, et al. **Life Sci** 1986 May 5;38(18):1625–31

Use of GH4C1 cell variants to demonstrate a non-spare receptor model for thyrotropin-releasing hormone action. Ramsdell JS, et al. **Mol Cell Endocrinol** 1985 Dec; 43(2–3):173–80

Enzymatic degradation of thyrotropin releasing hormone by pancreatic homogenates. Failure to detect His-Pro-diketopiperazine as TRH metabolite. Aratan-Spire S, et al. **Neuroendocrinology** 1986; 42(5):399–406

Immunocytochemical evidence for in vivo internalization of thyroliberin into rat pituitary target cells. Morel G, et al. **Neuroendocrinology** 1985 Oct;41(4):312–20

Possible role of neuropeptide degrading enzymes on thyroliberin secretion in fetal hypothalamic cultures grown in serum free medium. Faivre-Bauman A, et al. **Neuropeptides** 1986 Feb–Mar;7(2):125–38

Histidyl-proline, a rapidly degraded metabolite of thyrotropin releasing hormone, has behavioural activity. Coggins PJ, et al. **Pharmacol Biochem Behav** 1986 May; 24(5):1229–33

Intraventricular 6-hydroxydopamine increases thyrotropin-releasing hormone (TRH) content in regions of rat brain. Engber TM, et al. **Regul Pept** 1985 Sep; 12(1):51–7

5-Hydroxytryptamine and (+)-lysergic acid diethylamide displace [3H]thyrotropin-releasing hormone at its binding sites in the rat limbic forebrain. Teshima S, et al. **Regul Pept** 1986 Jul;14(4):293–9

[Distribution of thyrotropin releasing hormone in the mouse brain and effects of various amines—immunohistochemical study] Senda Y, et al. **Rinsho Shinkeigaku** 1985 Aug; 25(8):973–81 (Eng. Abstr.) (Jpn)

[Thyroliberin receptors in the brain of ground squirrels (Citellus undulatus) during winter hibernation] Iarygin KN, et al. **Dokl Akad Nauk SSSR** 1986;286(5):1268–71 (Rus)

[Characterization of TRH-degrading activity in plasma, tissue and milk] Angyal R. **Cesk Fysiol** 1986;35(2):136–45 (59 ref.) (Slo)

PHARMACODYNAMICS

Abnormal beta-endorphin and beta-lipotropin responses to TRH and LRH administration in primary and secondary affective disorders. Brambilla F, et al. **Acta Endocrinol (Copenh)** 1986 Aug;112(4):481–6

Dynamic evaluation of prolactin secretion by successive TRH and metoclopramide stimulations. Kauppila A, et al. **Acta Endocrinol (Copenh)** 1986 Jan;111(1):10–6

Decreased prolactin responsiveness to thyrotrophin-releasing hormone and metoclopramide in hyperthyroidism. Röjdmark S, et al. **Acta Endocrinol (Copenh)** 1985 Oct; 110(2):221–6

Characterization of the pituitary response in the TRH test by kinetic modeling. Swartz CM, et al. **Acta Endocrinol (Copenh)** 1986 May;112(1):43–8

Regional glucose metabolism in the rabbit brain in control and TRH-treated animals. Kostinen LD, et al. **Acta Physiol Scand** 1986 Mar;126(3):349–53

Effect of thyrotropin-releasing hormone on vestibular compensation in primates. Ishii M, et al. **Am J Otolaryngol** 1986 May–Jun;7(3):177–80

TRH and GRF stimulate release of growth hormone through different mechanisms. Szabo M. **Am J Physiol** 1986 May; 250(5 Pt 1):E512–7

Hormonal response to thyrotropin-releasing hormone in healthy horses and in horses with pituitary adenoma. Beech J, et al. **Am J Vet Res** 1985 Sep;46(9):1941–3

Effects of thyrotropin-releasing hormone on serum concentrations of thyroxine and triiodothyronine in healthy, thyroidectomized, thyroxine-treated, and propylthiouracil-treated dogs. Li WI, et al. **Am J Vet Res** 1986 Jan;47(1):163–9

Thyrotropin-releasing hormone enhances motor neuron-evoked contractions of cultured human muscle. Askanas V, et al. **Ann Neurol** 1985 Dec;18(6):716–9

The effect of TRH on F waves recorded from antagonistic muscles in human subjects [letter] Delwaide PJ, et al. **Ann Neurol** 1985 Sep;18(3):366–7

Pharmacology of thyrotropin-releasing hormone. Horita A, et al. **Annu Rev Pharmacol Toxicol** 1986;26:311–32 (142 ref.)

Mechanism of thyrotropin releasing hormone stimulation of pituitary hormone secretion. Gershengorn MC. **Annu Rev Physiol** 1986;48:515–26 (67 ref.)

Rundown of GH3 cell K+ conductance response to TRH following patch recording can be obviated with GH3 cell extract. Dufy B, et al. **Biochem Biophys Res Commun** 1986 May 29;137(1):388–96

Direct stimulation by thyrotropin-releasing hormone (TRH) of polyphosphoinositide hydrolysis in GH3 cell membranes by a guanine nucleotide-modulated mechanism. Lucas DO, et al. **Biochem Biophys Res Commun** 1985 Oct 30; 132(2):721–8

Evidence that thyrotropin-releasing hormone-induced increases in GTPase activity and phosphoinositide metabolism in GH3 cells are mediated by a guanine nucleotide-binding protein other than Gs or Gi. Wojcikiewicz RJ, et al. **Biochem Biophys Res Commun** 1986 Aug 14;138(3):1383–9

Changes in the behavioural response to a TRH analogue following chronic amitriptyline treatment and repeated electroconvulsive shock in the rat. Bennett GW, et al. **Br J Pharmacol** 1986 May;88(1):129–39

Central thyrotropin-releasing hormone elicits systemic hypoglycemia in mice. Amir S, et al. **Brain Res** 1985 Oct 7;344(2):387–91

Brainstem localization of a thyrotropin-releasing hormone-induced change in respiratory function. McCown TJ, et al. **Brain Res** 1986 May 14;373(1–2):189–96

Thyrotropin-releasing hormone-induced changes in electroencephalographic and vagal activity in the cross-circulated brain of the rat. Tonoue T, et al. **Brain Res** 1986 Jul 23;378(2):394–7

Effects of naloxone and thyrotropin-releasing hormone on plasma catecholamines, corticosterone, and arterial pressure in normal and endotoxemic rats. Long JB, et al. **Circ Shock** 1986;18(1):1–10

Prolactin and TSH responses to both domperidone and TRH in normal and hyperprolactinaemic women after dopamine synthesis blockade. Ghigo E, et al.

Clin Endocrinol (Oxf) 1985 Aug;23(2):155–60

Lack of effect of muscarinic cholinergic blockade on the GH responses to GRF 1–29 and TRH in acromegalic subjects. Jordan V, et al. **Clin Endocrinol (Oxf)** 1986 Apr; 24(4):415–20

Free thyroid hormone levels and TSH response to TRH in patients with autonomous thyroid adenomata and normal T3 and T4. Lerro S, et al. **Clin Endocrinol (Oxf)** 1985 Oct; 23(4):373–8

Thyrotropin–releasing hormone and insulin release: in vitro studies with islets of normal and dysthyroid mice. Awouters P, et al. **Diabetes Res** 1985 Mar;2(2):105–10

Thyrotropin and gonadotropin releasing hormones (TRH and GnRH) do not alter levels of oxytocin and oxytocin does not change the response of luteinizing or follicle stimulating hormones to GnRH in humans. Amico JA, et al. **Endocr Res** 1985;11(1–2):75–85

Growth hormone, thyrotropin and prolactin responses to simultaneous administration of human growth hormone–releasing factor and thyrotropin releasing hormone in the bovine. Hodate K, et al. **Endocrinol Jpn** 1985 Jun;32(3):375–83

Plasma concentration of prolactin during four–day osmotic pump infusion of thyrotropin–releasing hormone and vasoactive intestinal polypeptide in rats. Niimi M, et al. **Endocrinol Jpn** 1985 Dec;32(6):929–32

Effects of thyrotropin–releasing hormone on phosphoinositides and cytoplasmic free calcium in thyrotropic pituitary cells. Brenner–Gati L, et al. **Endocrinology** 1986 Jan;118(1):163–9

Evidence for tight coupling of receptor occupancy by thyrotropin–releasing hormone to phospholipase C–mediated phosphoinositide hydrolysis in rat pituitary cells: use of chlordiazepoxide as a competitive antagonist. Gershengorn MC, et al. **Endocrinology** 1986 Aug; 119(2):833–9

Differential sulfation and sialylation of secreted mouse thyrotropin (TSH) subunits: regulation by TSH–releasing hormone. Gesundheit N, et al. **Endocrinology** 1986 Aug; 119(2):455–63

Increased diacylglycerol content with phospholipase C or hormone treatment: inhibition of phorbol ester binding and induction of phorbol ester–like biological responses. Jaken S. **Endocrinology** 1985 Dec;117(6):2301–6

Discordant effects of thyrotropin (TSH)–releasing hormone on pre– and posttranslational regulation of TSH biosynthesis in rat pituitary. Lippman SS, et al. **Endocrinology** 1986 Jul;119(1):343–8

Regulation of thyrotropin (TSH) bioactivity by TSH–releasing hormone and thyroid hormone. Menezes–Ferreira MM, et al. **Endocrinology** 1986 May; 118(5):2125–30

Thyrotropin–releasing hormone and epidermal growth factor stimulate prolactin synthesis by a pathway(s) that differs from that used by phorbol esters: dissociation of actions by calcium dependency and additivity. Ramsdell JS, et al. **Endocrinology** 1985 Nov;117(5):2050–60

The effects of anterior hypothalamic deafferentation on thyrotropin (TSH) biosynthesis and response to TSH–releasing hormone. Taylor T, et al. **Endocrinology** 1986 Jun;118(6):2417–24

Lack of effect of deflazacort, a novel glucocorticoid, on basal and TRH–stimulated prolactin and thyrotropin levels in healthy subjects. Barbieri C, et al. **Eur J Clin Pharmacol** 1985;29(1):123–5

In vivo evaluation by differential pulse voltammetry of the effect of thyrotropin–releasing hormone (TRH) on dopaminergic and serotoninergic synaptic activity in the striatum and nucleus accumbens of the rat. Crespi F, et al. **Exp Brain Res** 1986;62(2):329–34

Thyrotropin–releasing hormone (TRH) counteracts neuronal damage induced by a substance P antagonist. Freedman J, et al. **Exp Brain Res** 1986;62(1):175–8

Effects of thyrotropin–releasing hormone on evoked responses and long–term potentiation in dentate gyrus of rat. Morimoto K, et al. **Exp Neurol** 1985 Nov;90(2):401–10

Thyrotropin–releasing hormone does not inhibit lysine vasopressin–induced growth hormone secretion in normal men. Rossi G, et al. **Experientia** 1985 Dec 15;41(12):1573–4

In vivo release of prolactin in Rana ridibunda following an intravenous injection of thyrotropin–releasing hormone. Kühn ER, et al. **Gen Comp Endocrinol** 1985 Oct;60(1):86–9

The relative potencies of L–T4 and L–T3 on the pituitary–thyroid axis in the Japanese quail. Parés–Herbuté N, et al. **Gen Comp Endocrinol** 1985 Nov;60(2):298–305

Effect of thyrotropin–releasing hormone and dopamine on the in vitro secretion of prolactin by the bullfrog pituitary gland. Seki T, et al. **Gen Comp Endocrinol** 1986 Feb; 61(2):197–202

Time–dependent effects of oral thyrotropin–releasing hormone in hyperthyroid female rats. Iglesias R, et al. **Horm Metab Res** 1986 Jul;18(7):454–6

Influence of central dopaminergic activity on thyrotropin responsiveness to thyrotropin–releasing hormone in normal and thyrotoxic subjects. Rõjdmark S. **Horm Metab Res** 1986 Jun;18(6):407–10

Lack of effect of thyrotropin–releasing hormone (TRH) on the peripheral plasma levels of pancreatic glucagon in man. Usman A, et al. **Horm Metab Res** 1986 Apr;18(4):256–9

Impaired glucose tolerance coincides with abnormal release of growth hormone following a glucose load as well as in response to TRH in acromegaly. Zárate A, et al. **Horm Metab Res** 1986 Jun;18(6):400–1

The effect of environmental temperature on concentrations of thyroxine and triiodothyronine after thyrotropin releasing hormone in steers. Pratt BR, et al. **J Anim Sci** 1986 May;62(5):1346–52

Thyrotropin–releasing hormone stimulation of polyphosphoinositide hydrolysis in GH3 cell membranes is GTP dependent but insensitive to cholera or pertussis toxin. Martin TF, et al. **J Biol Chem** 1986 Aug 5; 261(22):10141–9

Thyrotropin–releasing hormone activates a Ca2+–dependent polyphosphoinositide phosphodiesterase in permeable GH3 cells. GTP gamma S potentiation by a cholera and pertussis toxin–insensitive mechanism. Martin TF, et al. **J Biol Chem** 1986 Feb 25;261(6):2918–27

Molecular mechanisms of phorbol ester, thyrotropin–releasing hormone, and growth factor stimulation of prolactin gene transcription. Murdoch GH, et al. **J Biol Chem** 1985 Sep 25;260(21):11852–8

Thyrotropin–releasing hormone (TRH) elevation of inositol trisphosphate and cytosolic free calcium is dependent on receptor number. Evidence for multiple rapid interactions between TRH and its receptor. Ramsdell JS, et al. **J Biol Chem** 1986 Apr 25;261(12):5301–6

Transcriptional regulation of thyrotropin subunit genes by thyrotropin–releasing hormone and dopamine in pituitary cell culture. Shupnik MA, et al. **J Biol Chem** 1986 Sep 25;261(27):12675–9

Thyrotropin–releasing hormone and GTP activate inositol trisphosphate formation in membranes isolated from rat pituitary cells. Straub RE, et al. **J Biol Chem** 1986 Feb 25;261(6):2712–7

Pertussis toxin blocks the inhibitory effects of somatostatin on cAMP–dependent vasoactive intestinal peptide and cAMP–independent thyrotropin releasing hormone–stimulated prolactin secretion of GH3 cells. Yajima Y, et al. **J Biol Chem** 1986 Feb 25;261(6):2684–9

Effect of chronic growth hormone treatment on responses to epinephrine and thyrotropin–releasing hormone in lactating cows. McCutcheon SN, et al. **J Dairy Sci** 1986 Jan;69(1):44–51

Modulation of thyrotrophin release from an intracellular pool by pre–exposure to thyrotrophin–releasing hormone and dibutyryl cyclic AMP. Davis JR, et al. **J Endocrinol** 1986 Feb;108(2):211–7

Seasonal influence on thyroidal response to thyrotrophin–releasing hormone in cattle and buffaloes. Khurana ML, et al. **J Endocrinol** 1986 Jan;108(1):57–61

Sexual differentiation of prolactin responsiveness to thyrotropin releasing hormone (TRH) in the rat. Effects of postnatal testosterone on adenohypophyseal TRH receptor ontogenesis in male rats. Watanobe H, et al. **J Endocrinol Invest** 1985 Oct;8(5):459–64

Amniotic fluid thyrotropin (TSH) following maternal administration of thyrotropin releasing hormone. Robuschi G, et al. **J Perinat Med** 1985;13(5):219–26

Effect of TRH on acid secretion in the mouse stomach. Uberti A, et al. **J Pharm Pharmacol** 1986 Jul;38(7):558–9

Sympathetic vasoconstriction and renin secretion cause pressor responses to thyrotropin–releasing hormone in rats. Mattila J, et al. **J Pharmacol Exp Ther** 1986 Jul;238(1):232–6

Prolactin secretion in Sheehan's syndrome. Responses to thyrotropin–releasing hormone and metoclopramide. Jialal I, et al. **J Reprod Med** 1986 Jun;31(6):487–90

TSH and prolactin responses to TRH in a treated hypothyroid athlete: effect of activity and rest. Cumming DC, et al. **J Sports Med Phys Fitness** 1985 Dec;25(4):243–5

Effect of injection of TRH into cerebral ventricles on the analgesic effect of acupuncture and morphine in rats. Zhang ZD, et al. **J Tongji Med Univ** 1986;6(2):75–9

Inhibitory effects of intrahypothalamic injection of calcitonin on TRH–stimulated gastric acid secretion in rats. Maeda–Hagiwara M, et al. **Jpn J Pharmacol** 1985 Oct; 39(2):173–8

A possible mechanism of action of thyrotropin–releasing hormone (TRH) and its analog DN–1417 on the release of dopamine from the nucleus accumbens and striatum in rats. Narumi S, et al. **Jpn J Pharmacol** 1985 Dec; 39(4):425–35

Age–related differences in the pituitary prolactin response to thyrotropin–releasing hormone. Arnetz BB, et al. **Life Sci** 1986 Jul 14;39(2):135–9

A comparison of the effects of suckling or transient dopamine antagonism on thyrotropin–releasing hormone and suckling induced prolactin release in lactating rats. Haisenleder DJ, et al. **Life Sci** 1986 Aug 18;39(7):659–65

Effect of CNS–active drugs on TRH–induced prolactin release. Hylka VW, et al. **Life Sci** 1986 Jan 6;38(1):51–7

Stimulation and inhibition of food intake in sheep by centrally–administered hypothalamic releasing factors. Ruckebusch Y, et al. **Life Sci** 1986 Mar 10;38(10):929–34

Indirect stimulation by thyrotropin–releasing hormone of canine gallbladder motility. Soldani G, et al. **Life Sci** 1986 Aug 18;39(7):595–6

Measurement of phospholipid turnover in cultured hormone responsive pituitary cells. Martin TF. **Methods Enzymol** 1986;124:424–42

Dynamics of thyrotropin–releasing hormone–induced thyrotropin and prolactin secretion by acutely dispersed rat adenohypophyseal cells. Evidence for 'all–or–none' secretion by heterogeneous secretory units, each with a specific response threshold. Keith LD, et al. **Neuroendocrinology** 1986;43(4):445–52

Effect of histamine on basal and TRH/LH–RH–stimulated PRL and LH secretion during different phases of the menstrual cycle in normal women. Knigge U, et al. **Neuroendocrinology** 1985 Oct;41(4):337–41

Cardio–respiratory actions of substance P, TRH and 5–HT in the nucleus tractus solitarius of rats: evidence for functional interactions of neuropeptides and amine neurotransmitters. Carter DA, et al. **Neuropeptides** 1985 Sep;6(5):425–36

Cells of neural crest origin as possible models to investigate thyrotropin releasing hormone action in the central nervous system. Hawkins EF, et al. **Neuropharmacology** 1985 Nov; 24(11):1109–12

Depletion of noradrenaline in the hypothalamus reduces the febrile responses induced by prostaglandin E2, thyrotropin–releasing hormone and beta–endorphin in rats. Lin MT, et al. **Neuropharmacology** 1985 Nov; 24(11):1039–42

Substance P in the lumbar spinal cord of the rat affects the motor response to 5–HTP and TRH. Tremblay LE, et al. **Neuropharmacology** 1986 Apr;25(4):419–24

State of the effect of long–term administration of thyrotrophin releasing hormone to rats on the posterior lobe of the pituitary. Krasnovskaya IA, et al. **Neurosci Behav Physiol** 1986 Mar–Apr;16(2):169–72

Thyrotropin–releasing hormone receptors in gut tissues resemble pituitary receptors. Lotti VJ, et al. **Neurosci Lett** 1986 Feb 28;64(2):173–6

The effects of thyrotropin releasing hormone on motility of the guinea pig antrum. Ichikawa S, et al. **Nippon Heikatsukin Gakkai Zasshi** 1985 Jul;21 Suppl:41–5

Thyroid–stimulating hormone, prolactin, and growth hormone response to thyrotropin–releasing hormone in treated children with congenital hypothyroidism. Sack J, et al. **Pediatr Res** 1985 Oct;19(10):1037–9

Thyrotropin releasing hormone increases 5–hydroxytryptamine1 receptors in the limbic brain of the rat. Funatsu K, et al. **Peptides** 1985 May–Jun;6(3):563–6

Central respiratory stimulation produced by thyrotropin–releasing hormone in the cat. Holtman JR Jr, et al. **Peptides** 1986 Mar–Apr;7(2):207–12

Dorsal medullary oxytocin, vasopressin, oxytocin antagonist, and TRH effects on gastric acid secretion and heart rate. Rogers RC, et al. **Peptides** 1985 Nov–Dec;6(6):1143–8

Differential motor and blood pressure effects of intrathecal oxytocin and TRH in the rat. Tan DP, et al. **Peptides** 1985 Nov–Dec;6(6):1191–3

Iron deficiency induces reversal of dopamine dependent circadian cycles: differential response to d–amphetamine and TRH. Youdim MB, et al. **Peptides** 1985 Sep–Oct; 6(5):851–5

Long–term effects of TRH administration on food intake and body weight in the rat. Iglesias R, et al. **Pharmacol Biochem Behav** 1986 Jun;24(6):1817–9

Interactions between TRH and ethanol in the medial septum. McCown TJ, et al. **Pharmacol Biochem Behav** 1986 May; 24(5):1269–74

Effects of acute and long–term treatments with thyrotropin–releasing hormone on locomotor activity and jumping behavior in mice. Ushijima I, et al. **Pharmacol Biochem Behav** 1986 May;24(5):1423–8

Submaximal plasma prolactin response to TRH and dopamine activity in man. Spoov J. **Pharmacopsychiatry** 1985 Nov; 18(6):330–2

The effects of thyrotropin releasing hormone on rats with lesions of the mesolimbic and nigrostriatal dopamine systems. Andrews JS, et al. **Physiol Behav** 1985 Jul; 35(1):93–7

Effect of thyroid hormones on growth hormone secretion in broiler chickens. Scanes CG, et al. **Poult Sci** 1986 Feb; 65(2):384–90

Thyrotropin–releasing hormone mimics descending slow synaptic potentials in rat spinal motoneurons. Takahashi T. **Proc R Soc Lond [Biol]** 1985 Sep 23;225(1240):391–8

Changes in pituitary prolactin responsiveness to TRH during pregnancy. Voogt JL. **Proc Soc Exp Biol Med** 1986 May; 182(1):58–62

Neuropeptide modulation of the behavioral effects of drugs. Barrett JE, et al. **Prog Clin Biol Res** 1985;192:37–50

Thyrotrophin releasing hormone: endocrine and central effects. Griffiths EC. **Psychoneuroendocrinology** 1985; 10(3):225–35 (66 ref.)

Comparative effects of thyrotropin releasing hormone, MK–771 and DN–1417 on morphine abstinence syndrome. Bhargava HN, et al. **Psychopharmacology (Berlin)** 1985; 87(2):141–6

Thyrotropin–releasing hormone action: mechanism of calcium–mediated stimulation of prolactin secretion. Gershengorn MC. **Recent Prog Horm Res** 1985;41:607–53 (61 ref.)

Mechanisms underlying intracisternal TRH–induced stimulation of gastric acid secretion in rats. Taché Y, et al. **Regul Pept** 1985 Dec;13(1):21–30

[Nonspecific response of serum growth hormone to thyrotropin–releasing hormone in diabetics] Pan CY. **Chung Hua I Hsueh Tsa Chih** 1985 Aug;65(8):461–3 (Eng. Abstr.) **(Chi)**

[Facilitation of rat tail–flick reflex by intrathecal thyrotropin releasing hormone and its interaction with morphine] Tan DP, et al. **Sheng Li Hsueh Pao** 1985 Apr;37(2):186–90 (Eng. Abstr.) **(Chi)**

[Hypothalamo–hypophyseal correlates in the chick embryo: thyrotropic activity of adenohypophyseal grafts from donor embryos of various ages. Effect or pretreatment with TRH] Audine M, et al. **C R Soc Biol (Paris)** 1985; 179(5):631–7 (Eng. Abstr.) **(Fre)**

[Effect of the thyrotropin–releasing hormone and LH–releasing hormone on the pituitary hormone–releasing hormone in acromegaly] Góth M, et al. **Orv Hetil** 1985 Dec 22;126(51):3135–40 (Eng. Abstr.) **(Hun)**

[Effect of thyrotropin–releasing hormone (TRH) on gastric motility in man] Narita A. **Nippon Ika Daigaku Zasshi** 1986 Apr;53(2):143–51 (Eng. Abstr.) **(Jpn)**

[Effect of thyrotropin releasing hormone (TRH) on GABA (gamma aminobutyric acid) metabolism in mouse and rat brains: as to the activities of GAD (glutamic acid decarboxylase), GABA–T (GABA–transaminase) and GABA re–uptake] Kurahashi K, et al. **No To Shinkei** 1985 Dec;37(12):1211–6 (Eng. Abstr.) **(Jpn)**

[Plasma prolactin and GH response after thyrotropin–releasing hormone (TRH), L–DOPA and sulpiride in patients with senile dementia of Alzheimer type] Fujita M, et al. **Rinsho Shinkeigaku** 1985 Jul; 25(7):767–75 (Eng. Abstr.) **(Jpn)**

[Effect ot thyroliberin on rat brain opiate receptors] Balashov AM, et al. **Biull Eksp Biol Med** 1986 Aug;102(8):174–6 (Eng. Abstr.) **(Rus)**

[Characteristics of the neuromodulating effect of peripherally administered thyroliberin on the rat brain] Misin'sh IP, et al. **Biull Eksp Biol Med** 1986 Jan;101(1):50–2 (Eng. Abstr.) **(Rus)**

[Mechanism of the antidepressive and learning–stimulating effects of thyroliberin and its analogs] Zakusov VV, et al. **Biull Eksp Biol Med** 1986 Jul;102(7):39–41 (Eng. Abstr.) **(Rus)**

[Behavioral effects of thyroliberin on animals of various species] Krylov SS, et al. **Farmakol Toksikol** 1986 Jan–Feb; 49(1):30–3 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Neural functions of TRH. Reichlin S. **Acta Endocrinol [Suppl] (Copenh)** 1986;276:21–33

Thyrotropin–releasing hormone and the pituitary. New insights into the mechanism of stimulated secretion and clinical usage. Kolesnick RN, et al. **Am J Med** 1985 Dec; 79(6):729–39 (42 ref.)

Ontogeny of receptors for thyrotropin–releasing hormone in the rat brain. Blanchard L, et al. **Brain Res** 1986 Jan; 389(1–2):85–8

Role of spinal cord neuropeptides in pain sensitivity and analgesia: thyrotropin releasing hormone and vasopressin. Watkins LR, et al. **Brain Res** 1986 Jan 8;362(2):308–17

Electron–microscopic cytochemistry of the catecholaminergic innervation of TRH neurons in the rat hypothalamus. Shioda S, et al. **Cell Tissue Res** 1986; 245(2):247–52

Sensitivity of thyrotropin (TSH) secretion to 3,5,3'–triiodothyronine and TSH–releasing hormone in rat during starvation. Hugues JN, et al. **Endocrinology** 1986 Jul;119(1):253–60

Cardioventilator effects of TRH in anaesthetized rats: role of the brain stem. Paakkari I, et al. **Eur J Pharmacol** 1986 Mar 11;122(1):131–4

Neuroendocrine mechanisms of stress ulceration: focus on thyrotropin–releasing hormone (TRH). Hernandez DE. **Life Sci** 1986 Jul 28;39(4):279–96 (161 ref.)

Thyrotropin–releasing hormone–induced hyperglycemia: possible involvement of cholinergic receptors in the lateral hypothalamus. Shen DC, et al. **Neuroendocrinology** 1985 Dec;41(6):499–503

Involvement of thyrotropin–releasing hormone (TRH) neural system of the brain in pentylenetetrazol–induced seizures. Ogawa N, et al. **Regul Pept** 1985 Nov 7;12(3):249–56

Thyrotropin–releasing hormone precursor: characterization in rat brain. Lechan RM, et al. **Science** 1986 Jan 10; 231(4734):159–61

[Secretory control of pituitary hormones—mechanism of TSH secretory control] Koide Y, et al. **Nippon Rinsho** 1986 Mar;44(3):593–8 (30 ref.) **(Jpn)**

[Possible role of thyrotropin–releasing hormone in the pathogenesis of "hot flushes" in the climacteric syndrome] Il'ina EM, et al. **Akush Ginekol (Mosk)** 1986 May;(5):32–5 (Eng. Abstr.) **(Rus)**

[Role of adrenergic mechanisms in the cerebrovascular effect of thyroliberin] Mirzoian RS, et al. **Farmakol Toksikol** 1985 Sep–Oct;48(5):18–22 (Eng. Abstr.) **(Rus)**

[Direct and indirect hormonal effects on the function of the adenohypophysis] Fedotov VP. **Probl Endokrinol (Mosk)** 1985 Sep–Oct;31(5):27–30 (Eng. Abstr.) **(Rus)**

SECRETION

Hyperthyroidism caused by a pituitary thyrotrophin–secreting tumour with excessive secretion of thyrotrophin–releasing hormone and subsequently followed by Graves' disease in a middle–aged woman. Kamoi K, et al. **Acta Endocrinol (Copenh)** 1985 Nov;110(3):373–82

Thyrotropin–releasing hormone release from rat pancreas is stimulated by serotonin but inhibited by carbachol. Lamberton P, et al. **Endocrinology** 1985 Nov;117(5):1834–8

In vitro effects of endogenous opiate peptides on thyrotropin function: inhibition of thyrotropin–releasing hormone release and absence of effect on thyrotropin release. Jordan D, et al. **Neurosci Lett** 1986 Jun 30;67(3):289–94

THERAPEUTIC USE

Thyrotropin–releasing hormone in acute pancreatitis. A preliminary report. Kiviniemi H, et al. **Acta Chir Scand** 1986 Jan;152:43–7

The pharmacological effect of thyrotropin–releasing hormone on ataxic mutant mice. Mano Y, et al. **Acta Neurol Scand** 1986 Apr;73(4):352–8

Thyrotropin releasing hormone in hypovolemia: a hemodynamic evaluation in the rat. Sirén AL, et al. **Am J Physiol** 1986 Jun;250(6 Pt 2):H1093–101

Thyrotropin–releasing hormone (TRH) and Alzheimer's disease [letter] Peabody CA, et al. **Am J Psychiatry** 1986 Feb;143(2):262–3

New pharmacologic approaches to spinal cord injury: opiate antagonists and thyrotropin–releasing hormone. Faden AI. **Cent Nerv Syst Trauma** 1985 Spring;2(1):5–8

Thyrotropin–releasing hormone (TRH) and circulatory shock. McIntosh TK, et al. **Circ Shock** 1986;18(3):241–58 (121 ref.)

Sustained rises in serum thyrotropin, thyroxine, and triiodothyronine during long term, continuous thyrotropin–releasing hormone treatment in patients with amyotrophic lateral sclerosis. Kaplan MM, et al. **J Clin Endocrinol Metab** 1986 Oct;63(4):808–14

Thyrotropin–releasing hormone increases survival in canine hemorrhagic shock. Sugiura A, et al. **J Surg Res** 1986 Jan; 40(1):63–8

Thyrotrophin–releasing hormone. New applications in the clinic [news] Griffiths EC. **Nature** 1986 Jul 17–23; 322(6076):212–3

Controlled trial of thyrotropin releasing hormone in amyotrophic lateral sclerosis. Brooke MH, et al. **Neurology** 1986 Feb;36(2):146–51

A double–blind, placebo–controlled trial of TRH in amyotrophic lateral sclerosis. Caroscio JT, et al. **Neurology** 1986 Feb;36(2):141–5

Amyotrophic lateral sclerosis: effects of acute intravenous and chronic subcutaneous administration of thyrotropin–releasing hormone in controlled trials. Mitsumoto H, et al. **Neurology** 1986 Feb;36(2):152–9

Lack of effect of thyrotropin releasing hormone (TRH) in circulatory shock. Hock CE, et al. **Peptides** 1985 May–Jun; 6(3):547–53

Acute and chronic effects of thyrotropin–releasing hormone (TRH) on stabilogram in spinocerebellar degenerations. Yoshida M, et al. **Tohoku J Exp Med** 1986 Mar; 148(3):327–31

[Note on the use of TRH in amyotrophic lateral sclerosis] Serratrice G. **Bull Acad Natl Med (Paris)** 1985 Oct; 169(7):1013–7 (Eng. Abstr.) **(Fre)**

[Treatment of amyotrophic lateral sclerosis with thyrotropin releasing hormone] Serratrice G, et al. **Rev Neurol (Paris)** 1986;142(2):133–9 (Eng. Abstr.) **(Fre)**

[Effect of TRH and its analog DN–1417 on anoxia–induced amnesia in mice] Yamazaki N, et al. **Yakubutsu Seishin Kodo** 1985 May;5(1):1–9 (Eng. Abstr.) **(Jpn)**

[Effect of thyroliberin on respiration in terminal states] Volnov VA. **Farmakol Toksikol** 1986 May–Jun;49(3):107–9 **(Rus)**

TOXICITY

Systemic toxicity of diphtheria toxin–related fragments (CRM26, CRM45), a hormone–toxin hybrid protein (TRH–CRM45), and ricin A. Bacha P, et al. **Proc Soc Exp Biol Med** 1986 Jan;181(1):131–8

THYROXINE

Thyroxine–induced left ventricular hypertrophy in the rat. Anatomical and physiological evidence for angiogenesis. Chilian WM, et al. **Circ Res** 1985 Oct;57(4):591–8

Nutrition classics. The Biochemical Journal, Volume XXI 1927: XXIII. Chemistry of thyroxine. III. Constitution and synthesis of thyroxine. By Charles Robert Harington and George Barger. **Nutr Rev** 1986 Aug;44(8):274–6

ADMINISTRATION & DOSAGE

Antler cycle and thermolabile and thermostable alkaline phosphatase in white–tailed deer; circannual and circadian rhythms and variation after thyroxine, dexamethasone and ACTH administration. Sempéré AJ, et al. **Acta Endocrinol (Copenh)** 1986 Jan;111(1):133–9

L–thyroxine dosage: a reevaluation of therapy with contemporary preparations. Hennessey JV, et al. **Ann Intern Med** 1986 Jul;105(1):11–5

[Optimization of levothyroxine treatment. Dosage dependence on the existing parenchymal mass, age, body weight and fasting intake] Wenzel KW. **Dtsch Med Wochenschr** 1986 Sep 5;111(36):1356–62 (Eng. Abstr.) **(Ger)**

[The effect of vitamin–D–3 loading and thyroxine therapy on low 25–hydroxy–vitamin–D–3 levels in patients with hypothyroidism] Bársony J, et al. **Orv Hetil** 1986 Feb 2; 127(5):255–9 (Eng. Abstr.) **(Hun)**

ADVERSE EFFECTS

Management of a child with acute thyroxine ingestion. Roesch C, et al. **Ann Emerg Med** 1985 Nov;14(11):1114–5

Hypersensitivity caused by synthetic thyroid hormones in a hypothyroid patient with Hashimoto's thyroiditis. Shibata H, et al. **Arch Intern Med** 1986 Aug;146(8):1624–5

Acute adrenal crisis precipitated by thyroxine. Fonseca V, et al. **Br Med J [Clin Res]** 1986 May 3;292(6529):1185–6

Thyroid hormone inhibition of phosphatidylinositol–specific phospholipase C in rat liver. Hashizume K, et al. **Endocrinol Jpn** 1985 Aug;32(4):481–7

L–Thyroxine–induced leukopenia in a patient with Hashimoto's disease: involvement of suppressor–cytotoxic T cells. Lahat N, et al. **J Clin Endocrinol Metab** 1985 Nov; 61(5):980–2

Pseudotumor cerebri and thyroid–replacement therapy in patients affected by differentiated thyroid carcinoma. Panza N, et al. **J Endocrinol Invest** 1985 Aug;8(4):357–8

Thyroxine–induced petit mal status epilepticus. Sundaram MB, et al. **Neurology** 1985 Dec;35(12):1792–3

ANALOGS & DERIVATIVES

Serum concentrations of 3,5,3',5'–tetrasiodothyroacetate (T4A) in subjects with hypo–, hyper– and euthyroidism. Ramsden DB, et al. **Acta Endocrinol (Copenh)** 1986 Jun; 112(2):192–6

ANALYSIS

Effects of maternal iodine deficiency on the L–thyroxine and 3,5,3'–triiodo–L–thyronine contents of rat embryonic tissues before and after onset of fetal thyroid function. Escobar del Rey F, et al. **Endocrinology** 1986 Apr; 118(4):1259–65

A homogeneous bioelectrochemical immunoassay for thyroxine. Robinson GA, et al. **J Immunoassay** 1986; 7(1–2):1–15

Re: Salivary thyroxine as an estimate of free thyroxine [letter] Al–Ansari AA, et al. **J Nucl Med** 1984 Apr;25(4):538–9

Determination of liothyronine and levothyroxine in thyroid preparations by liquid chromatography. Richheimer SL, et al. **J Pharm Sci** 1986 Feb;75(2):215–7

Free thyroxine assays: analogue methods [letter] Wilkins TA. **Lancet** 1985 Oct 19;2(8460):884

ANTAGONISTS & INHIBITORS

Cholecystographic agents and sulfobromophthalein inhibit the binding of L–thyroxine to plasma membranes of rat hepatocytes. Felicetta JV, et al. **Endocrinology** 1986 Jun; 118(6):2500–4

[Treatment of hyperthyroidism: inhibitors of T4–T3 conversion] Unger J. **Rev Med Brux** 1986 Jun;7(6):367–9 (Eng. Abstr.) **(Fre)**

BIOSYNTHESIS

Influence of the neonatal (clomiphene) inhibition of estradiol imprinting on gonadal development and gonadal and thyroid hormone production later in life. Csaba G, et al. **Acta Physiol Hung** 1986;67(3):343–7

BLOOD

Homeorhesis during early lactation. Euthyroid sick–like syndrome in lactating cows. Aceves C, et al. **Acta Endocrinol (Copenh)** 1985 Dec;110(4):505–9

Postnatal development of brain TRH, serum TSH and thyroid hormones in the male and female rat. Gayo L, et al. **Acta Endocrinol (Copenh)** 1986 May;112(1):7–11

Thyroxine and triiodothyronine kinetics in cardiac patients taking amiodarone. Hershman JM, et al. **Acta Endocrinol (Copenh)** 1986 Feb;111(2):193–9

Serum free thyroxine in patients with T3–toxicosis. Martino E, et al. **Acta Endocrinol (Copenh)** 1985 Nov;110(3):354–9

Ontogenesis of androgen receptors in the mouse submandibular gland: correlation with the developmental profiles of circulating thyroid and testicular hormones. Minetti CA, et al. **Acta Endocrinol (Copenh)** 1986 Jun; 112(2):290–5

Plasma free and total iodothyronine levels in hypophysectomized and intact lamb foetuses during the last third of gestation. Wrutniak C, et al. **Acta Endocrinol (Copenh)** 1985 Nov;110(3):388–94

Hypoglycemia and low S–T3—an experimental study. Kallner G. **Acta Med Scand** 1985;218(1):119–22

Selective and/or overlapping effect of pituitary hormones (thyrotropin, gonadotropin) on serum thyroxin and testosterone level in newly hatched cockerels. Dobozy O, et al. **Acta Physiol Hung** 1985;66(2):177–81

Twenty–four–hour serum levels of T4 and T3 in relation to decreased TSH serum levels and decreased TSH response to TRH in affective disorders. Undén F, et al. **Acta Psychiatr Scand** 1986 Apr;73(4):358–65

Plasma thyroxine through parturition and early lactation in goats fed silage of grass and rape. Emre Z, et al. **Acta Vet Scand** 1985;26(3):417–8

Thyroid hormone and carrier protein interrelationships in children recovering from kwashiorkor. Kalk WJ, et al. **Am J Clin Nutr** 1986 Mar;43(3):406–13

Serum thyroid hormone, triiodothyronine, thyroxine, and triiodothyronine/thyroxine ratio in patients with fulminant, acute, and chronic hepatitis. Itoh S, et al. **Am J Gastroenterol** 1986 Jun;81(6):444–9

Hormones in perinatal rat and spiny mouse: relation to altricial and precocial timing of birth. Lamers WH, et al.

Am J Physiol 1986 Jul;251(1 Pt 1):E78–85
Effects of thyrotropin-releasing hormone on serum concentrations of thyroxine and triiodothyronine in healthy, thyroidectomized, thyroxine-treated, and propylthiouracil-treated dogs. Li WI, et al. **Am J Vet Res** 1986 Jan;47(1):163–9
Equine thyroid function assessment with the thyrotropin-releasing hormone response test. Lothrop CD Jr, et al. **Am J Vet Res** 1986 Apr;47(4):942–4
Serum concentrations of thyroxine and 3,5,3'-triiodothyronine before and after intravenous or intramuscular thyrotropin administration in dogs. Wheeler SL, et al. **Am J Vet Res** 1985 Dec;46(12):2605–8
Emotional trauma and thyroxine [letter] Jackson GL. **Ann Intern Med** 1986 Feb;104(2):289
Transient hyperthyroxinemia in symptomatic hyponatremic patients. Cogan E, et al. **Arch Intern Med** 1986 Mar; 146(3):545–7
Decreased thyroxine, triiodothyronine, and 5'-deiodination levels in malabsorption syndrome (runting or stunting syndrome) in artificially inoculated broilers. Rudas P, et al. **Avian Dis** 1986 Apr–Jun;30(2):293–7
Free triiodothyronine (T3) and thyroxine (T4) in a group of unipolar depressed patients and normal subjects. Orsulak PJ, et al. **Biol Psychiatry** 1985 Oct;20(10):1047–54
T3 and T4 in unipolar depression [letter] Thomas DR. **Biol Psychiatry** 1986 May;21(5–6):576–7
Amerlex free triiodothyronine and free thyroxine levels in normal pregnancy. Parker JH. **Br J Obstet Gynaecol** 1985 Dec;92(12):1234–8
Acute adrenal crisis precipitated by thyroxine [letter] Davis J, et al. **Br Med J [Clin Res]** 1986 Jun 14;292(6535):1595
Neurophysiological analysis of the development of endocrine and hypertensive reactions in prolonged emotional stress. Amiragova MG. **Brain Res** 1985 Oct 7;344(2):303–15
Serum thyroid stimulating hormone (TSH), total thyroxine (TT4), total triiodothyronine (TT3), triiodothyronine uptake ratio (T3uR), free thyroxine index (FT4I), free triiodothyronine index (FT3I) and T3/T4 ratio in the elderly. Tong ZH, et al. **Chin Med J [Engl]** 1985 Jul; 98(7):520–3
Clinical interpretation of free thyroxin by analog-based assay depends on albumin concentration in all patients with decreased albumin [letter] **Clin Chem** 1986 Mar;32(3):565–9
Free thyroxin in serum: labeled thyroxin–analog methods fall short of their mark [editorial] Alexander NM. **Clin Chem** 1986 Mar;32(3):417
Can solid-phase antibody be recycled for immunoassay of thyroxin and triiodothyronine? [letter] Ch'ng SL, et al. **Clin Chem** 1985 Nov;31(11):1911–2
On the albumin dependence of measurements of free thyroxin. I. Technical performance of seven methods. Csako G, et al. **Clin Chem** 1986 Jan;32(1 Pt 1):108–15
More on the Amerlex kit analog method for thyroxin. Ekins RP, et al. **Clin Chem** 1986 Jun;32(6):1243–6
One-step immunoassays for free (unbound) hormones: the effect of tracer binding by serum proteins. Geiseler D, et al. **Clin Chem** 1986 Jan;32(1 Pt 1):45–9
Accuracy and precision of five analog radioimmunoassays for free thyroxin compared. Gow SM, et al. **Clin Chem** 1985 Nov;31(11):1888–92
Clinical utility of measuring free thyroxin and free triiodothyronine in serum of critically ill patients by ultrafiltration. Lee LA, et al. **Clin Chem** 1986 May; 32(5):797–800
Free thyroxin and free triiodothyronine as measured by equilibrium dialysis and analog radioimmunoassay in serum of patients taking phenytoin and carbamazepine. Liewendahl K, et al. **Clin Chem** 1985 Dec;31(12):1993–6
Screening for thyroid disease in women greater than or equal to 50 years of age seeking hospital care: influence of common nonthyroidal illness on serum free thyroxin as determined by analog radioimmunoassay. Nyström E, et al. **Clin Chem** 1986 Apr;32(4):603–8
New method ("SPAC ET") for free thyroxin in serum evaluated. Plebani M, et al. **Clin Chem** 1986 Apr; 32(4):680–3
Preliminary data on an immunoenzymatic assay of free thyroxin. Proença MT, et al. **Clin Chem** 1986 Apr;32(4):697
Concentration of free thyroxin in serum of a patient with euthyroid hyperthyroxinemia secondary to increased thyroxin-binding prealbumin: results by various methods compared. Skiest D, et al. **Clin Chem** 1986 Apr;32(4):687–9
Chemiluminescent labeled-antibody assay for thyroxin in serum, with magnetic separation of the solid-phase. Sturgess ML, et al. **Clin Chem** 1986 Mar;32(3):532–5
Free thyroxin measured in dried blood spots: results for 10 000 euthyroid and 29 hypothyroid newborns. Travert G, et al. **Clin Chem** 1985 Nov;31(11):1829–32
Effect of heparin on free thyroxin as measured by equilibrium dialysis and ultrafiltration. Wang YS, et al. **Clin Chem** 1986 Apr;32(4):700
One-step immunoassays for free (unbound) hormones: the effects of tracer binding by serum proteins [letter] Wilkins TA. **Clin Chem** 1986 Jun;32(6):1238–9
Is the dilution experiment a valid technique for assessing the validity of free thyroxin assay? [letter] Wilkins TA. **Clin Chem** 1986 Jun;32(6):1241
Comprehensive study of a thyroxin–analog–based assay for free thyroxin ("Amerlex FT4").Wilkins TA, et al. **Clin Chem** 1985 Oct;31(10):1644–53
Familial dysalbuminaemic hyperthyroxinaemia: studies of albumin binding and implications for hormone action. Barlow JW, et al. **Clin Endocrinol (Oxf)** 1986 Jan; 24(1):39–47
Serum thyroxine and triiodothyronine in patients receiving increasing doses of L-thyroxine [letter] Wiener JD. **Clin Endocrinol (Oxf)** 1985 Dec;23(6):721–2
Hypertension in hypothyroidism: arterial pressure and hormone relationships. Richards AM, et al. **Clin Exp Hypertens [A]** 1985;7(11):1499–514
The effect of thyroxine (T4) administration on plasma levels of tri-iodothyronine (T3) and T4 in male white-tailed deer. Bubenik GA, et al. **Comp Biochem Physiol [A]** 1986; 83(1):185–7
Plasma iodothyronines in the domestic fowl: newly hatched to early adult stages, with special reference to reverse triiodothyronine (rT3). Hylka VW, et al. **Comp Biochem Physiol [A]** 1986;84(2):275–7
Growth, protein synthesis and plasma concentrations of growth hormone, thyroxine and triiodothyronine in dwarf, control and growth-selected strains of broiler-type domestic fowl. Lauterio TJ, et al. **Comp Biochem Physiol [A]** 1986;83(4):627–32
Suppression of plasma thyroid hormone concentrations by cortisol in the European eel Anguilla anguilla. Redding JM, et al. **Comp Biochem Physiol [A]** 1986;83(3):409–13
The effect of pinealectomy on plasma levels of thyroid hormones in pigeons reared under different photoperiods. Rintamäki H, et al. **Comp Biochem Physiol [A]** 1985; 82(1):97–100
Ontogeny of plasma-free thyroxine and triiodothyronine concentrations during the perinatal period and maternofetal transfer of thyroid hormones in the rabbit. Devaskar UP, et al. **Dev Pharmacol Ther** 1986;9(2):115–23
Hyperthyroidism in the elderly. II. Laboratory tests. Dumitriu L, et al. **Endocrinologie** 1986 Jan–Mar;24(1):3–9
Abnormal thyroid hormone binding to serum proteins in ob/ob and db/db genetically obese mice. Kaplan MM, et al. **Endocrinology** 1985 Nov;117(5):1858–63
In vivo formation of diiodotyrosine by extrathyroidal thyroxine ether-link cleavage and effects of mononitrotyrosine on this pathway in the rat. Meinhold H, et al. **Endocrinology** 1986 Jun;118(6):2305–11
Protein utilization in growth: effect of calorie deficiency on serum growth hormone, somatomedins, total thyroxine (T4) and triiodothyronine, free T4 index, and total corticosterone. Schalch DS, et al. **Endocrinology** 1985 Dec; 117(6):2307–12
Suppression of annual plasma testosterone and thyroxine cycles in the edible dormouse Glis glis under constant photoperiod at 24 degrees C. Jallageas M, et al. **Experientia** 1986 Feb 15;42(2):171–3
Plasma T4 and T3 levels in naturally metamorphosing Eurycea bislineata (Amphibia; Plethodontidae). Alberch P, et al. **Gen Comp Endocrinol** 1986 Jan;61(1):153–63
Influences of temperature and pH on free T4 and free T3 in charr and trout plasma. Eales JG, et al. **Gen Comp Endocrinol** 1986 Feb;61(2):272–7
Circulating thyroid hormone concentrations in relation to seasonal events in the male Indian garden lizard, Calotes versicolor. Kar A, et al. **Gen Comp Endocrinol** 1985 Oct; 60(1):14–9
Food intake regulation of circulating thyroid hormones in domestic fowl. Klandorf H, et al. **Gen Comp Endocrinol** 1985 Nov;60(2):162–70
The relative potencies of L-T4 and L-T3 on the pituitary-thyroid axis in the Japanese quail. Parés-Herbuté N, et al. **Gen Comp Endocrinol** 1985 Nov;60(2):298–305
The effect of exposure to 40 degrees on the heat production and the serum concentrations of triiodothyronine, thyroxine, and corticosterone in immature domestic fowl. Williamson RA, et al. **Gen Comp Endocrinol** 1985 Nov; 60(2):178–86
Relationship between serum free thyroxine, total thyroxine and thyroxine-binding globulin concentrations in patients with Graves' disease. Bannai C, et al. **Horm Metab Res** 1985 Dec;17(12):671–3
Effect of sex and age on serum aldosterone and thyroid hormones in the laboratory rat. Tang F. **Horm Metab Res** 1985 Oct;17(10):507–9
No monthly variations in serum levels of thyroid hormones in human males. Taubøll E, et al. **Horm Metab Res** 1986 Jul;18(7):500–1
Cardiopulmonary bypass: a low T4 and T3 syndrome with blunted thyrotropin (TSH) response to thyrotropin-releasing hormone (TRH). Robuschi G, et al. **Horm Res** 1986;23(3):151–8
Free and total triiodothyronine and thyroxine in malnourished Jamaican infants. The effect of diet on plasma levels of thyroid hormones, insulin and glucose during recovery. Robinson HM, et al. **Hum Nutr Clin Nutr** 1985 Jul;39(4):245–57
Thyroid function in newborns. Mishra JN, et al. **Indian Pediatr** 1986 Jul;23(7):521–4
Serum thyroxine concentrations after radioactive iodine therapy in cats with hyperthyroidism. Meric SM, et al. **J Am Vet Med Assoc** 1986 May 1;188(9):1038–40
Serum concentrations of prolactin, thyroxine and triiodothyronine relative to season and the estrous cycle in the mare. Johnson AL. **J Anim Sci** 1986 Apr; 62(4):1012–20
The effect of environmental temperature on concentrations of thyroxine and triiodothyronine after thyrotropin releasing hormone in steers. Pratt BR, et al. **J Anim Sci** 1986 May;62(5):1346–52
Thyroxine therapy in patients with severe nonthyroidal illnesses and low serum thyroxine concentration. Brent GA, et al. **J Clin Endocrinol Metab** 1986 Jul;63(1):1–8
Discordant hypothyroxinemia and hypertriiodothyroninemia in treated patients with hyperthyroid Graves' disease. Chen JJ, et al. **J Clin Endocrinol Metab** 1986 Jul;63(1):102–6
The role of thyroxine (T4)–binding serum proteins in oleic acid–induced increase in free T4 in nonthyroidal illnesses. Chopra IJ, et al. **J Clin Endocrinol Metab** 1986 Sep; 63(3):776–9
Sex hormone–binding protein in hyperthyroxinemic patients: a discriminator for thyroid status in thyroid hormone resistance and familial dysalbuminemic hyperthyroxinemia. de Nayer P, et al. **J Clin Endocrinol Metab** 1986 Jun; 62(6):1309–12
The effects of phenytoin (diphenylhydantoin) on the extrathyroidal turnover of thyroxine, 3,5,3'-triiodothyronine, 3,3',5'-triiodothyronine, and 3',5'-diiodothyronine in man. Faber J, et al. **J Clin Endocrinol Metab** 1985 Dec;61(6):1093–9
Pharmacology of propylthiouracil (PTU) in pregnant hyperthyroid women: correlation of maternal PTU concentrations with cord serum thyroid function tests. Gardner DF, et al. **J Clin Endocrinol Metab** 1986 Jan; 62(1):217–20
Relationship between thyrotropin and thyroxine changes during recovery from severe hypothyroxinemia of critical illness. Hamblin PS, et al. **J Clin Endocrinol Metab** 1986 Apr;62(4):717–22
Sustained rises in serum thyrotropin, thyroxine, and triiodothyronine during long term, continuous thyrotropin–releasing hormone treatment in patients with amyotrophic lateral sclerosis. Kaplan MM, et al. **J Clin Endocrinol Metab** 1986 Oct;63(4):808–14
Measurement of thyroxine uptake from serum by cultured human hepatocytes as an index of thyroid status: reduced thyroxine uptake from serum of patients with nonthyroidal illness. Sarne DH, et al. **J Clin Endocrinol Metab** 1985 Dec; 61(6):1046–52
Specific methods to identify plasma binding abnormalities in euthyroid hyperthyroxinemia. Stockigt JR, et al. **J Clin Endocrinol Metab** 1986 Jan;62(1):230–3
Serum triiodothyronine to thyroxine ratio: a newly recognized predictor of the outcome of hyperthyroidism due to Graves' disease. Takamatsu J, et al. **J Clin Endocrinol Metab** 1986 May;62(5):980–3
Evaluation of strategy for testing thyroid function applied to hypothyroidism. Corns CM, et al. **J Clin Pathol** 1986 Mar;39(3):293–6
Thyroid indices in panic disorder. Fishman SM, et al. **J Clin Psychiatry** 1985 Oct;46(10):432–3
Control of sex steroid–binding protein (SBP) in the male little brown bat: relationship of plasma thyroxine levels to the induction of plasma SBP in immature males. Kwiecinski GG, et al. **J Endocrinol** 1986 Aug;110(2):271–8
Seasonal changes in concentrations of plasma hormones in the male ring dove (Streptopelia risoria). Lea RW, et al. **J Endocrinol** 1986 Mar;108(3):385–91
Thyroxine concentrations and secretion rates in relation to pregnancy, lactation and energy balance in goats. Riis PM, et al. **J Endocrinol** 1985 Dec;107(3):421–7
Comparison of a new ultrafiltration method for serum free T4 and free T3 with two RIA kits in eight groups of patients. Wang YS, et al. **J Endocrinol Invest** 1985 Dec; 8(6):495–500
Steroid and thyroid hormone profiles following a single injection of partly purified salmon gonadotropin or GnRH analogues in male and female sea lamprey. Sower SA, et al. **J Exp Zool** 1985 Sep;235(3):403–8
A novel enzyme immunoassay for total thyroxine using immobilized antibodies and hydrophobic chromatography purified thyroxine–peroxidase conjugate. Ferrua B, et al. **J Immunol Methods** 1986 Mar 13;87(2):137–43
Pineal-induced depression of free thyroxine in Syrian hamsters. Vaughan GM, et al. **J Pineal Res** 1985; 2(4):325–30
Influence of the pineal gland and circadian rhythms in circulating levels of thyroid hormones of male hamsters. Vriend J. **J Pineal Res** 1984;1(1):15–22
Reduced serum T4 and T3 and their altered serum binding after burn injury in rats. Shirani KZ, et al. **J Trauma** 1985 Oct;25(10):953–8
Thyroid hormones and TSH in normal subjects. Akhter P, et al. **JPMA** 1986 Mar;36(3):51–4
A case of total thyroxine–binding globulin deficiency with Graves' disease: fluctuations of plasma triiodothyronine/thyroxine ratio. Kamikubo K, et al. **Jpn J Med** 1986 May;25(2):186–90
Thyroxine analogue assay kits in clinical medicine [letter] **Lancet** 1985 Oct 5;2(8458):781–2
More on free thyroxine assays [letter] **Lancet** 1985 Dec 14; 2(8468):1357–8
Binding protein variation and free thyroxine assay, and effect of venous stasis [letter] France NC, et al. **Lancet** 1985 Oct 5;2(8458):782–3
Growth hormone treatment and circulating thyroxine [letter] Gómez-Pan A, et al. **Lancet** 1986 May 3;1(8488):1030–1
Modulation of thyroid parameters by exogenous thyroxine in familial dysalbuminemic hyperthyroxinemia. Premachandra BN, et al. **Metabolism** 1986 Mar;35(3):283–8

Inherited abnormality of thyroxine-binding globulin with no demonstrable thyroxine-binding activity and high serum levels of denatured thyroxine-binding globulin. Murata Y, et al. **N Engl J Med** 1986 Mar 13;314(11):694–9

The evaluation of free thyroid hormones (FT4 and FT3) in the routine diagnosis of thyroid function. Passath A, et al. **Nuklearmedizin** 1985 Jun;24(3):115–21

Thyroid function tests in acutely ill patients. Comparison of analogue based free thyroid hormone assays with free thyroxine index. Cooke RR, et al. **Pathology** 1986 Jan; 18(1):94–7

Screening for congenital hypothyroidism with specimen collection at two time periods: results of the Northwest Regional Screening Program. LaFranchi SH, et al. **Pediatrics** 1985 Nov;76(5):734–40

Endocrine response to acute cold exposure by lactating and non-lactating Norway rats. Adels LE, et al. **Physiol Behav** 1986 Jan;36(1):179–81

Ovarian hormone effects on activity, glucoregulation and thyroid hormones in the rat. Thomas DK, et al. **Physiol Behav** 1986;36(3):567–73

Effect of acclimation and heat stress on thyroid hormone concentration. May JD, et al. **Poult Sci** 1986 Jun; 65(6):1211–3

Relationship of photoperiod and feed intake to thyroid hormone concentration. May JD, et al. **Poult Sci** 1986 Apr; 65(4):801–6

Increased clearance rate of plasma thyroxine accompanies estradiol-induced vitellogenesis in male Japanese quail. Robinson GA, et al. **Poult Sci** 1985 Dec;64(12):2397–9

Daily variation of corticosterone and thyroid hormones in broiler cockerels. Smoak KD, et al. **Poult Sci** 1986 Jan; 65(1):197–8

The relationship between age and genotype and circulating concentrations of triiodothyronine (T3), thyroxine (T4), and growth hormone in commercial meat strain chickens. Lilburn MS, et al. **Proc Soc Exp Biol Med** 1986 Jul; 182(3):336–43

Early changes in the levels of serum triiodothyronine (T3), thyroxine (T4), T3/T4 ratio and microsomal carboxylesterase activity in rats following treatment with CCL4. Itoh S, et al. **Res Commun Chem Pathol Pharmacol** 1985 Sep; 49(3):447–50

Is there a place for the estimation of free tri-iodothyronine levels in the diagnosis of hypothyroidism? Jialal I, et al. **S Afr Med J** 1985 Nov 23;68(11):805–6

Nuclear thyroxine binding in human mononuclear blood cells from hyperthyroid and hypothyroid patients before and after treatment. Kvetny J, et al. **Scand J Clin Lab Invest** 1986 Sep;46(5):489–93

Ultrafiltration method for direct radioimmunoassay measurement of free thyroxine and free tri-iodothyronine in serum. Weeke J, et al. **Scand J Clin Lab Invest** 1986 Jun;46(4):381–9

Internal quality control of hormone determinations by RIA. Detection of clinically significant analytical errors of serum thyroxine determination. Ruokonen A, et al. **Scand J Clin Lab Invest [Suppl]** 1984;172:93–9

Low free and total thyroxines in nonthyroidal illnesses. Shin SJ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Feb; 85(2):133–42

Breast feeding and neonatal screening for congenital hypothyroidism. Hahn HB Jr, et al. **Tex Med** 1986 Jan; 82(1):46–7

Free thyroxine estimation for the screening of hyper- and hypothyroidism in an adult population. Fukazawa H, et al. **Tohoku J Exp Med** 1986 Apr;148(4):411–20

Reduced serum thyroid hormone levels in hexachlorobenzene-induced porphyria. Rozman K, et al. **Toxicol Lett** 1986 Jan;30(1):71–8

False elevation of serum thyroxine in myxoedema due to thyroxine-binding autoantibodies. A diagnostic pitfall. Archbold GP, et al. **Ulster Med J** 1986 Apr;55(1):74–9

[The effect of heparin induced increase of free plasma thyroxine on cardiac rhythm after myocardial infarction] Van Heerden BB, et al. **S Afr Med J** 1985 Dec 21; 68(13):952–5 (Eng. Abstr.) **(Afr)**

[A clinical study of the relation between thyroxin and the transformation of yang xu symptom-complex in traditional Chinese medicine] Qiu BG, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1985 Aug;5(8):479–80, 451–2 (Eng. Abstr.) **(Chi)**

[Preliminary observation on changes in serum triiodothyronine (T8), thyroxine (T4) nd thyroid-stimulating hormone (TSH) in patients with chronic cor pulmonale] Xu ZQ, et al. **Sou Chuan I Hsueh Yuan Hsueh Pao** 1985 Jun;16(2):148–52 (Eng. Abstr.) **(Chi)**

[Growth in weaned piglets and levels of iodothyronines in the blood during the administration of thyroactive substances] Dvořák M, et al. **Vet Med (Praha)** 1986 May; 31(5):265–76 (Eng. Abstr.) **(Cze)**

[Hyperthyroxinemia without hyperthyroidism] Rongen-Westerlaken C, et al. **Tijdschr Kindergeneeskd** 1986 Feb;54(1):15–9 (Eng. Abstr.) **(Dut)**

[Value of total thyroxine determination by fluorescence polarization in examination for dysthyroidism] Noel M, et al. **Pathol Biol (Paris)** 1985 Sep;33(7):769–72 (Eng. Abstr.) **(Fre)**

[Performance of 8 methods for evaluating the free fraction of thyroxine in chronic renal insufficiency (letter)] Schlienger JL, et al. **Presse Med** 1985 Nov 2;14(37):1931 **(Fre)**

[Should the assay of serum free thyroxine and triiodothyronine replace the other methods of evaluating thyroid function?] Corbineau P, et al. **Rev Med Interne** 1985 Oct;6(4):390–5 (Eng. Abstr.) **(Fre)**

[Effect of iodine, copper and zinc supplements to rations with a high quota of rapeseed extract meal on the growth and thyroid function of fattening swine. 3. The effect on weight and the histomorphometric findings in the thyroid and on the serum T3 and T4 concentrations] Schöne F, et al. **Arch Tierernahr** 1986 Apr-May;36(4–5):371–80 (Eng. Abstr.) **(Ger)**

[Factors interfering with and influencing the measurement of direct and indirect parameters of free thyroxine] Reiners C. **Dtsch Med Wochenschr** 1986 Aug 22;111(34):1292–9 (98 ref.) **(Ger)**

[Familial hyperthyroxinemia] Staub JJ, et al. **Dtsch Med Wochenschr** 1985 Nov 29;110(48):1870–1 **(Ger)**

[Behavior of the levels of free triiodothyronine, triiodothyronine, free thyroxine, thyroxine, thyrotropin and thyroxine-binding globulin in the serum of children with nephrotic syndrome] Liappis N, et al. **Klin Padiatr** 1985 Sep-Oct;197(5):423–6 (Eng. Abstr.) **(Ger)**

[Effect of mestranol and chlormadinone acetate on TSH, T4, TBC and FT4 index in Turner syndrome] Rudolf K, et al. **Zentralbl Gynakol** 1986;108(9):551–9 (Eng. Abstr.) **(Ger)**

[Importance of the determination of free thyroxine and triiodothyronine serum levels in preclinical hyperthyroidism and subclinical hypothyroidism] Földes J, et al. **Orv Hetil** 1986 Jun 1;127(22):1315–9 (Eng. Abstr.) **(Hun)**

[Low T4 syndrome in alcoholism: role of the decrease in TBG] Grimaldi F, et al. **Minerva Med** 1986 Mar 17; 77(11):381–5 (Eng. Abstr.) **(Ita)**

[Hypothyroxinemia in the low birth-weight infant in the screening of congenital hypothyroidism] Romagnoli C, et al. **Pediatr Med Chir** 1982 Nov-Dec;4(6):679–84 (Eng. Abstr.) **(Ita)**

[Effect of hyperlipidemia on the free thyroxine value by radioimmunoassay] Sato R, et al. **Kaku Igaku** 1985 Sep; 22(9):1405–12 **(Jpn)**

[Evaluation of magnetic FT4 kit for the measurement of serum free thyroxine concentration] Konishi J, et al. **Radioisotopes** 1985 Nov;34(11):644–7 **(Jpn)**

[Control survey of normal reference ranges adopted for serum thyroxine binding globulin, thyroxine, and triiodothyronine in Japan] Sugisaki H, et al. **Radioisotopes** 1985 Jun;34(6):344–7 **(Jpn)**

[Neutrophils of the peripheral blood and thyroid hormones] Hrycek A, et al. **Endokrynol Pol** 1985;36(4):235–9 (39 ref.) **(Pol)**

[TSH and thyroid hormone levels in newborn infants with hyperthyrotropinemia detected by screening tests, in newborn infants with goiter and those born to mothers with hyperthyroidism] Rybakowa M, et al. **Endokrynol Pol** 1985;36(5):277–84 (Eng. Abstr.) **(Pol)**

[Thyrotropin and thyroid hormone levels in children with congenital hypothyroidism during treatment] Nižankowska-Błaż T, et al. **Wiad Lek** 1986 Jan 1;39(1):20–3 (Eng. Abstr.) **(Pol)**

[Concentrations of total triiodothyronine, total thyroxine and thyrotropic hormone in the blood of the medial cubital vein in the elbow and from the internal arteriovenous fistula in patients treated with hemodialysis for chronic renal failure] Starzyk J, et al. **Wiad Lek** 1986 Mar 15;39(6):379–81 (Eng. Abstr.) **(Pol)**

[Thyroxine, triiodothyronine and thyrotropic hormone levels in the blood of patients with sclerocystic ovary syndrome of central origin] Akopian SS, et al. **Akush Ginekol (Mosk)** 1986 Feb;(2):54–7 (Eng. Abstr.) **(Rus)**

[Radioimmunologic system for the quantitative determination of thyroxine in human blood serum] Krupenko SA, et al. **Antibiot Med Biotekhnol** 1986 Jan;31(1):31–7 (Eng. Abstr.) **(Rus)**

[Thyroid hormone content of the blood plasma and functional state of the myocardium in patients with chronic forms of ischemic heart disease] Fitilev SB, et al. **Kardiologiia** 1985 Jul;25(7):99–102 (Eng. Abstr.) **(Rus)**

[Changes in the hormone profile, central hemodynamics and tissue blood flow in patients with thyrotoxic goiter during treatment with lithium carbonate] Petrov IM. **Med Radiol (Mosk)** 1986 Apr;31(4):13–5 (Eng. Abstr.) **(Rus)**

[Blood levels of thyroid hormones, insulin and cortisol in children with retardation of physical development in malnutrition] Peres-Arse KhA, et al. **Probl Endokrinol (Mosk)** 1985 Jul-Aug;31(4):23–4 (Eng. Abstr.) **(Rus)**

[Relation between blood levels of thyroid hormones and insulin and lipid metabolism and the clinical course of chronic forms of ischemic heart disease] Dudaev VA, et al. **Ter Arkh** 1985;57(12):42–5 (Eng. Abstr.) **(Rus)**

[Concentrations of thyroxine, beta carotene, vitamin A and pregnancy in heifers after administration of beta carotene] Bekeová E, et al. **Vet Med (Praha)** 1985 Dec;30(12):715–24 (Eng. Abstr.) **(Slo)**

[Variation in thyroid hormones circulating levels in rats subjected to diets of food restriction and low protein diets of casein] Pérez Castrillo R, et al. **Acta Cient Venez** 1985; 36(1):95–9 (Eng. Abstr.) **(Spa)**

[Thyroid function in adults with mental retardation] Angel M, et al. **Med Clin (Barc)** 1985 Nov 16;85(16):656–8 (Eng. Abstr.) **(Spa)**

[Usefulness of the effective thyroxine and thyrotropin index in the evaluation of thyroid function in critical patients] López Luque A, et al. **Med Clin (Barc)** 1986 Feb 22; 86(7):268–72 (Eng. Abstr.) **(Spa)**

[Changes in T4-deiodination in decompensated diabetes mellitus. The low-T3 syndrome] Zamora Madaria E, et al. **Med Clin (Barc)** 1985 Oct 12;85(11):443–7 (Eng. Abstr.) **(Spa)**

[Characterization of serum concentrations of thyroid hormones in a healthy infantile Chilean population] Michaud P, et al. **Rev Med Chil** 1985 Nov;113(11):1096–103 (Eng. Abstr.) **(Spa)**

CEREBROSPINAL FLUID

RIA examinations of CSF hormones as a method of demonstrating leakage through the blood-brain and brain-CSF barriers. Zaidman JL, et al. **Eur J Nucl Med** 1985;11(8):323

METABOLISM

Thyroxine monodeiodination in normal human kidney tissue in vitro. Boye N. **Acta Endocrinol (Copenh)** 1986 Aug; 112(4):536–40

The bioavailability of thyroxine and 3,5,3'-triiodothyronine in normal subjects and in hyper- and hypothyroid patients. Hasselström K, et al. **Acta Endocrinol (Copenh)** 1985 Dec; 110(4):483–6

Conversion of T4 to T3 in perfused liver of rats with carbontetrachloride-induced liver injury. Ikeda T, et al. **Acta Endocrinol (Copenh)** 1986 May;112(1):89–92

Secretion and metabolic clearance rates of thyroxine and triiodothyronine in streptozotocin-diabetic rats. Jolin T, et al. **Acta Endocrinol (Copenh)** 1985 Nov;110(3):395–400

Thyroid hormone binding to the rat heart cytosol proteins. Bardowska U, et al. **Acta Physiol Pol** 1985 Jul-Aug; 36(4):248–55

In vitro demonstration of the conversion of thyroxine to 3,3',5-triiodothyronine in liver biopsy samples taken from lactating cows (short communication). Rudas P, et al. **Acta Vet Hung** 1985;33(3–4):185–8

Effects of caloric deprivation on thyroid hormone tissue uptake and generation of low-T3 syndrome. van der Heyden JT, et al. **Am J Physiol** 1986 Aug;251(2 Pt 1):E156–63

Selective transport across the blood-brain barrier [letter] Banks WA, et al. **Ann Intern Med** 1986 Sep;105(3):472

Salinity adaptation in fish: interaction of thyroxine with fish gill mitochondria. Shivakumar K, et al. **Arch Biochem Biophys** 1986 Mar;245(2):356–62

Identification of thyroid hormone receptors in rat liver nuclei by photoaffinity labeling with L-thyroxine and triiodo-L-thyronine. Dozin B, et al. **Biochemistry** 1985 Sep 10;24(19):5197–202

Comparative characterization of thyroid hormone receptors and binding proteins in rat liver nucleus, plasma membrane, and cytosol by photoaffinity labeling with L-thyroxine. Dozin B, et al. **Biochemistry** 1985 Sep 10;24(19):5203–8

Potentiation of thyroxine 5-deiodination by aminotriazole. Cartier LJ, et al. **Biochim Biophys Acta** 1985 Nov 22; 843(1–2):68–72

Effect of long-chain fatty acids on the binding of thyroxine and triiodothyronine to human thyroxine-binding globulin. Tabachnick M, et al. **Biochim Biophys Acta** 1986 Apr 11; 881(2):292–6

Thyroid hormone deiodinases in purified primary glial cell cultures. Cavalieri RR, et al. **Brain Res** 1986 Feb 5; 364(2):382–5

The effect of amiodarone on thyroxine kinetics. Pearce CJ, et al. **Clin Endocrinol (Oxf)** 1986 Jan;24(1):107–12

Influence of a single meal on fractional disappearance and catabolic rates of 3,5,3'-triiodothyronine and thyroxine over 24 hours. Dauncey MJ, et al. **Comp Biochem Physiol [A]** 1986;83(1):89–92

Effect of changes in thyroid state on metabolism of thyroxine by rat placenta. Suzuki M, et al. **Endocrinol Jpn** 1986 Feb; 33(1):37–42

Binding of thyroid hormones to nuclear extracts of thyroid cells. Erkenbrack DE, et al. **Endocrinology** 1986 Jul; 119(1):311–7

Cellular uptake of 3,5,3'-triiodothyronine and thyroxine by red blood and thymus cells. Galton VA, et al. **Endocrinology** 1986 May;118(5):1918–23

Thyroxine and 3,5,3'-triiodothyronine bind to the same putative receptor in hepatic nuclei of Rana catesbeiana tadpoles. Galton VA. **Endocrinology** 1986 Mar; 118(3):1114–8

Skin is an active site for the inner ring monodeiodination of thyroxine to 3,3',5'-triiodothyronine. Huang TS, et al. **Endocrinology** 1985 Nov;117(5):2106–13

Thyroxine entering the thyroid gland via the vascular bed may leave the gland as triiodothyronines. Studies with perfused dog thyroid lobes. Laurberg P. **Endocrinology** 1986 Mar;118(3):895–900

Dopamine and L-dopa: inhibition of thyrotropin-stimulated thyroidal thyroxine release. Masyan ML, et al. **Endocrinology** 1986 Feb;118(2):632–6

Influence of pharmacological doses of iopanoic acid and thyroxine 5- and 5'-monodeiodination in liver and kidney of the pig. Slebodziński AB, et al. **Exp Clin Endocrinol** 1986 Jun;87(1):63–8

Thyroidal thyroxine and triiodothyronine in autonomously functioning thyroid nodule and paranodular tissue. Solter M, et al. **Exp Clin Endocrinol** 1985 Jun;85(3):369–72

Effect of different beta-blocking drugs and adrenaline on the conversion of thyroxine to triiodothyronine in isolated rat hepatocytes. Aanderud S, et al. **Horm Metab Res** 1986 Feb;18(2):110–3

Amiodarone inhibits T4 to T3 conversion and alpha-glycerophosphate dehydrogenase and malic enzyme levels in rat liver. Pekary AE, et al. **Horm Metab Res** 1986 Feb;18(2):114–8

Inhibition of iodothyronine transport into rat liver cells by a monoclonal antibody. Mol JA, et al. **J Biol Chem** 1986 Jun 15;261(17):7640–3

Is conversion of thyroxine to triiodothyronine and reverse triiodothyronine autoregulated? Studies with short term suppression of thyroid function with 3'isopropyl 3,5-diiodothyronine. Davies R, et al.
J Endocrinol Invest 1985 Dec;8(6):519–22

Iodothyronine deiodination in the brain of diabetic rats: influence of thyroid status. Gavin LA, et al.
J Endocrinol Invest 1986 Apr;9(2):127–33

Further evidence for the presence of thyroxine binding globulin-like protein in human breast adipose tissue. Deiodination of thyroxine and triiodothyronine by the microsomal fraction. Rao GS, et al. **J Endocrinol Invest** 1985 Dec;8(6):501–6

The hepatic sinusoid is not well-stirred: estimation of the degree of axial mixing by analysis of lobular concentration gradients formed during uptake of thyroxine by the perfused rat liver. Weisiger RA, et al. **J Pharm Sci** 1986 Mar;75(3):233–7

Transport of thyroxine across the blood-brain barrier is directed primarily from brain to blood in the mouse. Banks WA, et al. **Life Sci** 1985 Dec 23;37(25):2407–14

Effect of thyrotropin on conversion of T4 to T3 in perfused rat liver. Ikeda T, et al. **Life Sci** 1986 May 19;38(20):1801–6

Mechanism of action of thyroid hormones. Dillmann WH. **Med Clin North Am** 1985 Sep;69(5):849–61

The inner ring (5-) monodeiodination of thyroxine (T4) in cerebral cortex during fetal, neonatal, and adult life. Huang TS, et al. **Metabolism** 1986 Mar;35(3):272–7

Effect of TSH on conversion of T4 to T3 in perfused rat kidney. Ikeda T, et al. **Metabolism** 1985 Nov;34(11):1057–60

Thyroid indices in arterial and venous cord blood: significantly greater levels of reverse triiodothyronine in venous blood than in arterial blood. Penny R, et al.
Metabolism 1986 Jul;35(7):645–8

Effect of sodium molybdate on the thyroxine-binding affinity of transport cytosol proteins. Svobodová V, et al.
Physiol Bohemoslov 1985;34(6):481–7

Cold exposure and mammary exchanges of circulating thyroxine and oestrone sulphate in the goat. Goode J, et al. **Q J Exp Physiol** 1986 Jan;71(1):93–8

Conversion of thyroxine to triiodothyronine in liver biopsy samples of beta-carotene and vitamin-A supplemented dairy cows. Pethes G, et al. **Zentralbl Veterinarmed [A]** 1985 Aug;32(7):512–7

PHARMACODYNAMICS

The role of thyroid and adrenal cortical hormones in the modulation of the gonadal function in birds. Péczely P. **Acta Biol Hung** 1985;36(1):45–70

Periods of sensitivity to thyroid hormone during the development of the organ of Corti. Uziel A.
Acta Otolaryngol [Suppl] (Stockh) 1986;429:23–7

Thyroxine-induced changes of hepatic glucose-6-phosphatase activity and glycogen, protein, RNA and DNA contents in the rat. Paul AK.
Acta Physiol Hung 1986;67(3):339–42

Influence of thyroid hormones on transport function and Na+-K+-ATPase activity in the rat choroid plexus. Lindvall-Axelsson M, et al. **Acta Physiol Scand** 1985 Dec; 125(4):627–32

Effects of thyroid hormone replacement on beta-adrenergic responsiveness of food-deprived rats. Barney CC, et al. **Am J Physiol** 1986 May;250(5 Pt 2):R861–7

Stimulation by thyroid hormone of renin mRNA in mouse submandibular gland. Karen P, et al. **Am J Physiol** 1986 Sep;251(3 Pt 1):E290–3

L-thyroxine, cortisol, and diet affect the postnatal development of the facial part of the skull in developing rats. Maeda N, et al. **Anat Anz** 1986;161(2):99–104

Further studies of the effect of thyroid hormones on Na+-H+ exchange in renal brush-border membrane vesicles (BBMV). Kinsella JL, et al. **Ann NY Acad Sci** 1985;456:445–7

Dissociation of the effect of thyroxine and triiodothyronine in relation to the halt, egg laying and molt in hens. Verheyen G, et al. **Arch Exp Veterinarmed** 1986 Mar; 40(2):250–9

Acute hemodynamic effects of levothyroxine loading in critically ill hypothyroid patients. Kaptein EM, et al.
Arch Intern Med 1986 Apr;146(4):662–6

Effect on wool growth of thyroxine replacement in thyroidectomized merino rams. Maddocks S, et al.
Aust J Biol Sci 1985;38(4):405–10

Thyroxine treatment reduces the anorectic effect of estradiol in rats. Young JK. **Behav Neurosci** 1986 Apr;100(2):284–7

Thyroxine-induced changes in rat liver mitochondrial ubiquinone. Horrum MA, et al.
Biochem Biophys Res Commun 1986 Jul 16;138(1):381–6

Thyroxine increases neonatal mouse submandibular gland mRNA-directed synthesis of epidermal growth factor. Walker P. **Biochem Cell Biol** 1986 Apr;64(4):290–6

Studies on L-arginase in developing rat small intestine, brain, and kidney. II. Effect of hydrocortisone and thyroxine. Konarska L, et al. **Biochem Med Metab Biol** 1986 Apr; 35(2):170–8

Influence of hormones and undernutrition on brain development in newborn rats. Pascual-Leone AM, et al. **Biol Neonate** 1985;48(4):228–36

Control of plasma sex steroid-binding protein (SBP) in the little brown bat: effects of thyroidectomy and treatment with L- and D-thyroxine on the induction of SBP in adult males. Damassa DA, et al. **Biol Reprod** 1985 Dec; 33(5):1138–46

Effect of iopanoic acid on metabolic rate of L-thyroxine treated rats. Castro L, et al. **Boll Soc Ital Biol Sper** 1986 Apr 30;62(4):453–7

The effects of thyroxine treatment of rats on neuronal and extraneuronal uptake and metabolism of catecholamines in the heart. Bryan LJ, et al. **Br J Pharmacol** 1986 Feb; 87(2):337–44

Thyroxine treatment of aged or young rats demonstrates that vascular responses mediated by beta-adrenoceptor subtypes can be differentially regulated. O'Donnell SR, et al.
Br J Pharmacol 1986 May;88(1):41–9

Neonatal hyperthyroidism alters submandibular gland epidermal growth factor response to thyroxine in the adult mouse. Walker P. **Can J Physiol Pharmacol** 1985 Sep; 63(9):1151–4

Proliferative response of mouse submandibular gland to androgen but not to thyroid hormone. Okamoto S, et al.
Cell Tissue Kinet 1985 Nov;18(6):583–8

Influence of growth hormone and thyroxine on cell kinetics in the proximal tibial growth plate of Snell dwarf mice. Smeets T, et al. **Cell Tissue Kinet** 1986 Mar;19(2):161–70

Catecholamine, vasoactive intestinal peptide and thyrotrophin-dependent cAMP levels display a different sensitivity to iodothyronines in both normal and pathological human thyroid cells in culture. Brandi ML, et al. **Clin Endocrinol (Oxf)** 1985 Nov;23(5):503–9

Differential effects of thyroxine on immune development and autoimmune thyroiditis in the obese strain chicken. Gause WC, et al. **Dev Comp Immunol** 1985 Summer;9(3):465–75

Evidence for induction by thyroid hormone of cytosolic proteins which control mitochondrial protein synthesis. Ichikawa K, et al. **Endocrinology** 1985 Nov;117(5):1749–58

Effects of melatonin and thyroxine replacement on thyrotropin, luteinizing hormone, and prolactin in male hypothyroid hamsters. Vriend J. **Endocrinology** 1985 Dec; 117(6):2402–7

2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) as a potent and persistent thyroxine agonist: a mechanistic model for toxicity based on molecular reactivity. McKinney JD, et al. **Environ Health Perspect** 1985 Sep;61:41–53

Fatty acyl-CoA oxidase in rat kidney and liver after application of thyroxine. Kramar R, et al. **Enzyme** 1986; 35(1):27–33

Thyroid hormone induces metamorphosis of flounder larvae. Inui Y, et al. **Gen Comp Endocrinol** 1985 Dec;60(3):450–4

Effect of L-thyroxine on ovarian development and gestation in the viviparous guppy, Poecilia reticulata. Lam TJ, et al. **Gen Comp Endocrinol** 1985 Nov;60(2):324–30

The relative potencies of L-T4 and L-T3 on the pituitary-thyroid axis in the Japanese quail. Parés-Herbuté N, et al. **Gen Comp Endocrinol** 1985 Nov;60(2):298–305

A possible competition between 5'-monodeiodination of thyroxine and the respiratory burst in human granulocytes. Nagy JT, et al. **Horm Metab Res** 1986 Jun;18(6):415–7

Prenatal exposure of the fetal rat to excessive L-thyroxine or 3,5-dimethyl-3'-isopropyl-thyronine produces persistent changes in the thyroid control system. Porterfield SP. **Horm Metab Res** 1985 Dec;17(12):655–9

Thyroxine-induced changes in the glycosylation pattern and in brain and serum levels of rat alpha-fetoprotein. Naval J, et al. **Int J Biochem** 1986;18(2):115–22

Effects of iodide and thyroxine on iodine-deficient mouse thyroid: a morphological and functional study. Many MC, et al. **J Endocrinol** 1986 Aug;110(2):203–10

Effects of thyroid hormone on Na-K-adenosine triphosphatase activity along the rat nephron. Garg LC, et al. **J Lab Clin Med** 1985 Nov;106(5):568–72

Modulatory effects of thyroxine treatment on central and peripheral benzodiazepine receptors in the rat. Gavish M, et al. **J Neurochem** 1986 Oct;47(4):1106–10

Partial restoration of cerebral myelination of the congenitally hypothyroid mouse by parenteral or breast milk administration of thyroxine. Noguchi T, et al.
J Neurochem 1985 Nov;45(5):1419–26

An altered response in the induction of cell membrane (Na + K)ATPase by thyroid hormone is characteristic of senescence in cultured human fibroblasts. Guernsey DL, et al. **Mech Ageing Dev** 1986 Feb;33(3):283–93

Involvement of developing sympathetic nervous system in thyroxine-mediated submandibular gland nerve growth factor and epidermal growth factor responses. Lakshmanan J, et al. **Pediatr Res** 1986 Mar;20(3):232–6

Thyroxine increases submandibular gland nerve growth factor and epidermal growth factor concentrations precociously in neonatal mice: evidence for thyroid hormone-mediated growth factor synthesis. Walker P.
Pediatr Res 1986 Apr;20(4):281–4

Effect of chronic treatment with estrogen and thyroxine, alone and combined, on the rate of deiodination of L-thyroxine to 3,5,3'-triiodothyronine in vitro. Scammell JG, et al. **Pharmacology** 1986;33(1):52–7

Influence of thyroxine and propylthiouracil administration on the intake of maternal milk in sucklings of the laboratory rat. Babický A, et al. **Physiol Bohemoslov** 1985;34(3):193–9

Effect of thyroid hormones on growth hormone secretion in broiler chickens. Scanes CG, et al. **Poult Sci** 1986 Feb; 65(2):384–90

Milrinone and thyroid hormone stimulate myocardial membrane Ca2+-ATPase activity and share structural homologies. Mylotte KM, et al.
Proc Natl Acad Sci USA 1985 Dec;82(23):7974–8

Indomethacin inhibits thrombin-, but not thyroxin-stimulated resorption of fetal rat limb bones. Hoffmann O, et al.
Prostaglandins 1986 Apr;31(4):601–8

The effects of thyroxine and methimazole treatment on the synthesis of prostacyclin (PGI2) in the rat. Noguchi T, et al. **Prostaglandins** 1985 Oct;30(4):553–61

Impairment of renal slice function following brain death, with reversibility of injury by hormonal therapy. Wicomb WN, et al. **Transplantation** 1986 Jan;41(1):29–33

Thyroxine induced transformation in sarcoplasmic reticulum of rabbit soleus and psoas muscles. Nunes MT, et al.
Z Naturforsch [C] 1985 Sep-Oct;40(9–10):726–34

[Effect of hypo- and hyperthyroidism, and hypothalamic ventromedial lesions on the plasma growth hormone response to human growth hormone-releasing factor in rats] Tonegawa Y. **Nippon Ika Daigaku Zasshi** 1985 Dec; 52(6):624–32 (Eng. Abstr.) **(Jpn)**

[The biocellular effect of thyroid hormone on functional differentiation of porcine granulosa cells in culture] Hayashi M, et al. **Nippon Naibunpi Gakkai Zasshi** 1985 Oct 20;61(10):1189–96 (Eng. Abstr.) **(Jpn)**

[Acute negative chronotropic effect of L-thyroxine on the everted sinus-atrium preparation of the bullfrog] Tamura T. **Nippon Seirigaku Zasshi** 1985;47(12):756–66 (Eng. Abstr.) **(Jpn)**

[Effect of 6-methylthiouracil and L-thyroxine on the quantity of carbohydrate-containing components of glycoproteins in the serum and formed elements of the blood of the hypo- and hyperthyroid rat] Kuz'mak NI, et al. **Fiziol Zh** 1985 Nov-Dec;31(6):692–702 (Eng. Abstr.) **(Rus)**

[Effect of L-thyroxine on skeletal muscle fibers of the frog] Volkov EM, et al. **Fiziol Zh SSSR** 1985 Sep;71(9):1082–7 (Eng. Abstr.) **(Rus)**

[Importance of prostaglandins and cyclic nucleotides in altering thrombocyte aggregation induced by thyroxine] Kirichuk VF. **Gematol Transfuziol** 1986 Jun;31(6):31–4 (Eng. Abstr.) **(Rus)**

[Effect of thyroid hormones on the nuclear-cytoplasmic transport of RNA] Adylova AT, et al.
Probl Endokrinol (Mosk) 1986 Mar-Apr;32(2):74–6 (Eng. Abstr.) **(Rus)**

[Structural state of rat liver mitochondrial and microsomal membranes in aging and after treatment with thyroxine] Lemeshko VV, et al. **Ukr Biokhim Zh** 1986 Jan-Feb; 58(1):63–8 (Eng. Abstr.) **(Rus)**

[Effect of thyroxine on the hemoglobin affinity to oxygen and 2,3-diphosphoglycerate level in rat erythrocytes] Sukhomlinov BF, et al. **Ukr Biokhim Zh** 1986 Mar-Apr; 58(2):84–6 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Role of thyroxine on postnatal development of ileal active bile salt transport. Heubi JE. **Am J Physiol** 1986 Aug;251(2 Pt 1):G237–42

Differential effect of thyroxine on atrial and ventricular isomyosins in rats. Samuel JL, et al. **Am J Physiol** 1986 Mar;250(3 Pt 2):H333–41

Role of thyroxine in functional gastric development. Tseng CC, et al. **Am J Physiol** 1986 Jul;251(1 Pt 1):G111–6

Interrelationships among thyroxine, growth hormone, and the sympathetic nervous system in the regulation of 5'-iodothyronine deiodinase in rat brown adipose tissue. Silva JE, et al. **J Clin Invest** 1986 Apr;77(4):1214–23

Host endocrine effect on Setaria cervi. III. Influence of thyroidectomy and pancreatectomy on the microfilaraemia in white rats. Khatoon H, et al. **J Commun Dis** 1985 Dec; 17(4):325–9

Control of the development of the ipsilateral retinothalamic projection in Xenopus laevis by thyroxine: results and speculation. Hoskins SG. **J Neurobiol** 1986 May; 17(3):203–29 (125 ref.)

SRIF-sensitive compartmentalization of stored rGH is abolished by hypothyroidism. Stachura ME.
Mol Cell Endocrinol 1986 Jan;44(1):37–45

Circulating corticosterone in the infant rat: the mechanism of age and thyroxine effects. Henning SJ, et al.
Pediatr Res 1986 Jan;20(1):87–92

Effect of thyroid hormones on liver microsomal enzyme induction in rats exposed to 2,3,7,8,-tetrachlorodibenzo-p-dioxin. Rozman K, et al.
Toxicology 1985 Oct;37(1–2):51–63

Failure of carbon disulfide and levothyroxine to modify the cardiovascular response of rabbits to a high-cholesterol

diet. Van Stee EW, et al. **Toxicology** 1986 Jul;40(1):45–58
[Interrelation between the thyroid and calcium-regulating hormones in patients with hypothyroidism] Karetnikov IuP. **Probl Endokrinol (Mosk)** 1986 May–Jun;32(3):14–7 (Eng. Abstr.) **(Rus)**

POISONING

Self poisoning with thyroxine. Barrett JA, et al. **Br J Clin Pract** 1986 Aug;40(8):348
Levothyroxine overdose associated with seizures in a young child. Kulig K, et al. **JAMA** 1985 Oct 18;254(15):2109–10
[Acute factitious hyperthyroidism—moderate clinical symptoms in 3 cases under beta-blocker treatment] Keck FS, et al. **Klin Wochenschr** 1986 Apr 1;64(7):319–26 (Eng. Abstr.) **(Ger)**

SECRETION

The effect of maneb, zineb, and ethylenethiourea on the humoral activity of the pituitary-thyroid axis in rat. Laisi A, et al. **Arch Toxicol [Suppl]** 1985;8:253–8
Acute changes of iodothyronine excretion by bile after a single and repeated administration of dexamethasone in rats. Langer P, et al. **Endocrinol Exp (Bratisl)** 1985 Dec; 19(4):253–60
Morphine induced thyroxine release from rat thyroid gland in vitro. Tal E, et al. **Horm Metab Res** 1986 Apr; 18(4):238–40
Thyrotropin stimulation test—new perspective on value of monitoring triiodothyronine. Oliver JW, et al. **J Am Vet Med Assoc** 1985 Nov 1;187(9):931–4
[Structure and function of the thyroid gland in premature infants with hyaline membrane disease] Lukas W, et al. **Pediatr Pol** 1986 Jan;61(1):65–9 **(Pol)**

THERAPEUTIC USE

Goitre size and outcome of medical treatment of Graves' disease. Laurberg P, et al. **Acta Endocrinol (Copenh)** 1986 Jan;111(1):39–43
Primary amenorrhea and pseudoprolactinoma in a patient with primary hypothyroidism. Reversal of clinical, biochemical, and radiologic abnormalities with levothyroxine. Poretsky L, et al. **Am J Med** 1986 Jul; 81(1):180–2
Thyroid and vitamin-mineral supplement fail to improve IQ of mentally retarded adults. Chanowitz J, et al. **Am J Ment Defic** 1985 Sep;90(2):217–9
Protection by thyroxine in nephrotoxic acute renal failure. Cronin RE, et al. **Am J Physiol** 1986 Sep;251(3 Pt 2):F408–16
The effect of changing thyroid function on cyclic affective illness in a human subject. Bauer MS, et al. **Am J Psychiatry** 1986 May;143(5):633–6
Evaluation of long term thyroid replacement treatment. Swansea Vocational Training Scheme. **Br Med J [Clin Res]** 1985 Nov 23;291(6507):1476–8
Thyroxine replacement treatment [letter] Goolden AW. **Br Med J [Clin Res]** 1985 Aug 31;291(6495):602–3
Thyroxine replacement treatment: clinical judgment or biochemical control? [letter] Rippere V. **Br Med J [Clin Res]** 1985 Oct 5;291(6500):970
Diagnostic value of a single serum thyroglobulin determination on and off thyroid suppressive therapy in the follow-up of patients with differentiated thyroid cancer. Pacini F, et al. **Clin Endocrinol (Oxf)** 1985 Oct; 23(4):405–11
Serum thyroxine and triiodothyronine in patients receiving increasing doses of L-thyroxine [letter] Wiener JD. **Clin Endocrinol (Oxf)** 1985 Dec;23(6):721–2
The nonequivalence of levothyroxine products [letter] Dong BJ, et al. **Drug Intell Clin Pharm** 1986 Jan;20(1):77–8
Treatment of endemic goitre with iodine and thyroid hormones, alone or in combination. (Preliminary report). Koutras DA, et al. **Endocrinol Exp (Bratisl)** 1986 Mar; 20(1):57–65
Changes in thyroid function tests induced by 2 month carbamazepine treatment in L-thyroxine-substituted hypothyroid children. De Luca F, et al. **Eur J Pediatr** 1986 Apr;145(1–2):77–9
Addisonian crisis after thyroid replacement. Banitt PF, et al. **Hosp Pract [Off]** 1986 May 15;21(5):132, 134
Thyroxine administration during radiation therapy to the neck does not prevent subsequent thyroid dysfunction. Bantle JP, et al. **Int J Radiat Oncol Biol Phys** 1985 Nov; 11(11):1999–2002
Thyroxine therapy in pati..uts with severe nonthyroidal illnesses and low serum thyroxine concentration. Brent GA, et al. **J Clin Endocrinol Metab** 1986 Jul;63(1):1–8
Thyrotropin secretion in thyrotoxic and thyroxine-treated patients: assessment by a sensitive immunoenzymometric assay. Spencer CA, et al. **J Clin Endocrinol Metab** 1986 Aug;63(2):349–55
Reevaluation of patients on thyroxine therapy. Rizzolo PJ, et al. **J Fam Pract** 1986 Mar;22(3):241–4
Treatment of primary idiopathic hypothyroidism in the adult. John L. **J Indian Med Assoc** 1985 Aug;83(8):261–3
Thyroid hormone administration in irradiated patients. Murphy ED, et al. **J Surg Oncol** 1986 Mar;31(3):214–7
Spontaneous postpartum regression of pituitary mass with return of function. Leiba S, et al. **JAMA** 1986 Jan 10; 255(2):230–2
Levothyroxine loses potency with age [letter] Stoffer SS, et al. **JAMA** 1986 Apr 11;255(14):1881–2
Hypothyroidism. Sawin CT. **Med Clin North Am** 1985 Sep; 69(5):989–1004
Stimulation of Snell dwarf mouse neuronal growth by GH and T4. Noguchi T, et al. **Neurochem Pathol** 1984 Summer; 2(2):123–38
Auditory brainstem response audiometry in congenitally hypothyroid children under early replacement therapy. Hébert R, et al. **Pediatr Res** 1986 Jun;20(6):570–3
Hyponatraemia complicating the treatment of myxoedema coma. A case report. Berkowitz I, et al. **S Afr Med J** 1986 Jan 18;69(2):136–7
Superior vena cava syndrome due to thyroid enlargement: reversal with thyroid hormone. Mears WF, et al. **South Med J** 1985 Dec;78(12):1503–6
Nodular goiter: effects of surgery and thyroxine medication. Westermark K, et al. **World J Surg** 1986 Jun;10(3):481–7
[Thyroxine therapy] Lamberg BA. **Duodecim** 1986; 102(12):822–7 **(Fin)**
[Congenital hypothyroidism in the first 2 years of life. Development of biological parameters and therapeutic recommendations] Léger J, et al. **Ann Pediatr (Paris)** 1986 Apr;33(4):291–5 (Eng. Abstr.) **(Fre)**
[Clinical trial of Levothyrox 50 in the treatment of hypothyroidism] Ben Khalifa F, et al. **Tunis Med** 1985 Aug–Sep;63(8–9):449–53 (Eng. Abstr.) **(Fre)**
[Therapy of juvenile struma. Comparison between combination treatment and monotherapy] Homoki J, et al. **Monatsschr Kinderheilkd** 1985 Aug;133(8):532–6 (Eng. Abstr.) **(Ger)**
[Thyroxine and triiodothyronine in substitution therapy in patients with primary hypothyroidism] Morosini PP, et al. **Minerva Endocrinol** 1985 Apr–Jun;10(2):93–6 (Eng. Abstr.) **(Ita)**
[Effects of short-term therapy with levothyroxine on lipid metabolism] Santaniello B, et al. **Minerva Endocrinol** 1985 Oct–Dec;10(4):207–10 (Eng. Abstr.) **(Ita)**
[Effect of thyroxine on skeletal muscles in hereditary myodystrophia] Khamitov KhS, et al. **Biull Eksp Biol Med** 1986 May;101(5):540–3 (Eng. Abstr.) **(Rus)**
[Psychosomatic development and levels of thyroid hormones in children with congenital hypothyroidism and substitution using 2 different preparations] Dluholucký S, et al. **Cesk Pediatr** 1986 May;41(5):259–63 (Eng. Abstr.) **(Slo)**
[Primary hypothyroidism with enlarged sella turcica: course under treatment] Fisher S, et al. **Rev Med Chil** 1985 Oct; 113(10):983–8 (Eng. Abstr.) **(Spa)**
[Reflections based on a questionnaire sent to Swedish surgery departments: therapy and routine check-ups after thyroid surgery] Christensen SB, et al. **Lakartidningen** 1985 Aug 21;82(34):2782–3 **(Swe)**

TOXICITY

Thyroxine-induced cardiomegaly in rats of different age. Wachtlová M, et al. **Physiol Bohemoslov** 1985;34(5):385–94

L-THYROXINE see **THYROXINE**

THYROXINE-BINDING PROTEIN

see related
PROTEIN-BOUND IODINE TEST

ANALYSIS

Radioimmunoassay for human thyroxine-binding prealbumin. Benvenga S, et al. **Ann Clin Lab Sci** 1986 May–Jun; 16(3):231–40
Studies of thyroxine binding to plasma proteins in health and disease. Keane PM, et al. **Clin Biochem** 1986 Feb;19(1):52–7
On the albumin dependence of measurements of free thyroxin. I. Technical performance of seven methods. Csako G, et al. **Clin Chem** 1986 Jan;32(1 Pt 1):108–15
Homogeneous apoenzyme reactivation immunoassay for thyroxin-binding globulin in serum. Schroeder HR, et al. **Clin Chem** 1986 May;32(5):826–30
Inherited abnormality of thyroxine-binding globulin with no demonstrable thyroxine-binding activity and high serum levels of denatured thyroxine-binding globulin. Murata Y, et al. **N Engl J Med** 1986 Mar 13;314(11):694–9
Concentrations of thyroxine-binding globulin in sera and peritoneal dialysates in patients on chronic peritoneal ambulatory dialysis. Inaba M, et al. **Nephron** 1986; 42(1):58–61
[Behavior of the levels of free triiodothyronine, triiodothyronine, free thyroxine, thyroxine, thyrotropin and thyroxine-binding globulin in the serum of children with nephrotic syndrome] Liappis N, et al. **Klin Padiatr** 1985 Sep–Oct;197(5):423–6 (Eng. Abstr.) **(Ger)**
[Low T4 syndrome in alcoholism: role of the decrease in TBG] Grimaldi F, et al. **Minerva Med** 1986 Mar 17; 77(11):381–5 (Eng. Abstr.) **(Ita)**
[The measurement of serum TBG by radioimmunoassay—the evaluation of the magnetic TBG 'Corning' RIA Kit] Mitsuma T, et al. **Kaku Igaku** 1985 Nov;22(11):1689–93 **(Jpn)**
[TBG, TSH and thyroid hormones in fetus] Tanaka M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Jan; 38(1):59–63 (Eng. Abstr.) **(Jpn)**
[Control survey of normal reference ranges adopted for serum thyroxine binding globulin, thyroxine, and triiodothyronine in Japan] Sugisaki H, et al. **Radioisotopes** 1985 Jun;34(6):344–7 **(Jpn)**
[The nature of thyroid hormone receptors. Intracellular functions of thyroxine-binding prealbumin] Azimova ShS, et al. **Biokhimiia** 1985 Nov;50(11):1926–32 (Eng. Abstr.) **(Rus)**
[Comparative characteristics of molecular forms of human thyroxine-binding globulin] Ermolenko MN, et al. **Biokhimiia** 1985 Dec;50(12):1997–2002 (Eng. Abstr.) **(Rus)**
[Radioimmunologic determination of the molecular variation of human thyroxine-binding globulin] Ermolenko MN, et al. **Med Radiol (Mosk)** 1986 Jun;31(6):50–4 **(Rus)**

ANTAGONISTS & INHIBITORS

Thyroid hormone binding inhibitor (THBI) mainly associated with serum oleic acid concentration. Herrmann J, et al. **Horm Metab Res** 1985 Aug;17(8):426–7
Serum thyroid hormone binding inhibitor in nonthyroidal illnesses. Chopra IJ, et al. **Metabolism** 1986 Feb;35(2):152–9

BIOSYNTHESIS

Biosynthesis of a novel thyroxine-binding protein (27K protein) in human hepatoma (Hep G2) cells. Bartalena L, et al. **Endocrinology** 1986 Jun;118(6):2370–4
Effect of the antileukemic agent L-asparaginase on thyroxine-binding globulin and albumin synthesis in cultured human hepatoma (HEP G2) cells. Bartalena L, et al. **Endocrinology** 1986 Sep;119(3):1185–8

BLOOD

Seasonal changes in serum thyroid hormone binding proteins in the woodchuck (Marmota monax). Young RA, et al. **Endocrinology** 1986 Sep;119(3):967–71
Role of the binding constants of thyroid hormone transport proteins for calculating free thyroid hormones. Fresco G, et al. **J Nucl Med Allied Sci** 1985 Jul–Sep;29(3):229–34
Rapid turnover proteins as nutritional indicators. Cavarocchi NC, et al. **World J Surg** 1986 Jun;10(3):468–73

DEFICIENCY

A case of total thyroxine-binding globulin deficiency with Graves' disease: fluctuations of plasma triiodothyronine/thyroxine ratio. Kamikubo K, et al. **Jpn J Med** 1986 May;25(2):186–90
[Familial deficiency of thyroxine-binding globulin] Locher JT, et al. **Schweiz Med Wochenschr** 1985 Aug 31; 115(35):1200–5 (Eng. Abstr.) **(Ger)**

GENETICS

Analysis of genetic variation in two human thyroxine-binding plasma proteins by immunodetection after isoelectric focusing. Whitehouse DB, et al. **Ann Hum Genet** 1985 Oct; 49 (Pt 4):259–65
A sensitive immunoblotting technique to identify thyroxin-binding globulin protein heterogeneity after isoelectric focusing. Kamboh MI, et al. **Biochem Genet** 1986 Apr;24(3–4):273–80
Specific methods to identify plasma binding abnormalities in euthyroid hyperthyroxinemia. Stockigt JR, et al. **J Clin Endocrinol Metab** 1986 Jan;62(1):230–3
Isoelectric focusing of variant thyroxine-binding globulin in American blacks: increased heat lability and reduced serum concentration. Takamatsu J, et al. **J Clin Endocrinol Metab** 1986 Jul;63(1):80–7

ISOLATION & PURIFICATION

Partition of purified human thyroxine-binding globulin in aqueous two-phase systems in response to reactive dyes. Birkenmeier G, et al. **J Chromatogr** 1986 Jun 6; 360(1):193–201

METABOLISM

Interaction of carbohydrate and protein in thyroxine binding globulin. Grimaldi S, et al. **Biochemistry** 1985 Jul 2; 24(14):3771–6
Effect of long-chain fatty acids on the binding of thyroxine and triiodothyronine to human thyroxine-binding globulin. Tabachnick M, et al. **Biochim Biophys Acta** 1986 Apr 11; 881(2):292–6
Binding characteristics of thyroxin binding globulin in serum of normal, pregnant, and severely ill euthyroid patients. Maberly G, et al. **Clin Chem** 1986 Apr;32(4):616–20
Concentration of free thyroxin in serum of a patient with euthyroid hyperthyroxinemia secondary to increased thyroxin-binding prealbumin: results by various methods compared. Skiest D, et al. **Clin Chem** 1986 Apr;32(4):687–9
Purification and partial characterization of a novel thyroxine-binding protein (27K protein) from human plasma. Grimaldi S, et al. **Endocrinology** 1986 Jun; 118(6):2362–9
Thyroxine-binding globulin in spontaneous abortion. Skjöldebrand L, et al. **Gynecol Obstet Invest** 1986; 21(4):187–92
Relationship between serum free thyroxine, total thyroxine and thyroxine-binding globulin concentrations in patients with Graves' disease. Bannai C, et al. **Horm Metab Res** 1985 Dec;17(12):671–3

Changes in radioimmunoassayable prealbumin (TBPA) serum levels from birth to adulthood. Benvenga S, et al. **Horm Metab Res** 1986 Jan;18(1):73

Progesterone has no effect on serum thyroxine-binding globulin concentration in men. Chen JJ, et al. **J Clin Endocrinol Metab** 1985 Nov;61(5):983-5

The role of thyroxine (T4)-binding serum proteins in oleic acid-induced increase in free T4 in nonthyroidal illnesses. Chopra IJ, et al. **J Clin Endocrinol Metab** 1986 Sep; 63(3):776-9

Further evidence for the presence of thyroxine binding globulin-like protein in human breast adipose tissue. Deiodination of thyroxine and triiodothyronine by the microsomal fraction. Rao GS, et al. **J Endocrinol Invest** 1985 Dec;8(6):501-6

Structurally specific binding of halogenated biphenyls to thyroxine transport protein. Rickenbacher U, et al. **J Med Chem** 1986 May;29(5):641-8

Oestrogen-like effect of tamoxifen on concentration of thyroxin-binding globulin [letter] Jensen IW. **Lancet** 1985 Nov 2;2(8462):1020-1

Effect of sodium molybdate on the thyroxine-binding affinity of transport cytosol proteins. Svobodová V, et al. **Physiol Bohemoslov** 1985;34(6):481-7

[Effect of mestranol and chlormadinone acetate on TSH, T4, TBC and FT4 index in Turner syndrome] Rudolf K, et al. **Zentralbl Gynakol** 1986;108(9):551-9 (Eng. Abstr.) (Ger)

[Familial dysalbuminemic hyperthyroxinemia] Frey H, et al. **Tidsskr Nor Laegeforen** 1986 Mar 20;106(5):659-62 (Eng. Abstr.) (Nor)

PHYSIOLOGY

[Prealbumin and retinol-binding protein] di Costanzo-Dufetel J, et al. **Pathol Biol (Paris)** 1985 Sep; 33(7):781-6 (67 ref.) (Eng. Abstr.) (Fre)

SECRETION

The role of glycosylation in the molecular conformation and secretion of thyroxine-binding globulin. Murata Y, et al. **Endocrinology** 1986 Apr;118(4):1614-21

THYROXINE 5'-DEIODINASE see **IODIDE PEROXIDASE**

TIABENDAZOL see **THIABENDAZOLE**

TIAPRIDE see under **BENZAMIDES**

TIBIA

Fetal tibia retained in uterine cavity for eight years after legal abortion. Ingerslev HJ, et al. **Acta Obstet Gynecol Scand** 1986;65(4):371-2

Micromotion in knee arthroplasty. A roentgen stereophotogrammetric analysis of tibial component fixation. Ryd L. **Acta Orthop Scand [Suppl]** 1986;220:1-80

Chondrosarcoma coexistent with dermatomyositis [letter] Mol MJ, et al. **Arthritis Rheum** 1986 Jun;29(6):813-4

Adamantinoma of the appendicular skeleton--updated. Moon NF, et al. **Clin Orthop** 1986 Mar;(204):215-37

Osteogenic sarcoma and soft tissue myxoma in a patient with fibrous dysplasia and hemoglobins JBaltimore and S. Witkin GB, et al. **Clin Orthop** 1986 Mar;(204):245-52

Primary mycetoma infection of the distal tibia secondary to an occult foreign body. Burkus JK. **Foot Ankle** 1985 Aug; 6(1):47-52

Limb salvage in a dog with chondrosarcoma of the tibia. Vasseur PB. **J Am Vet Med Assoc** 1985 Sep 15;187(6):620-3

Possible congenital osteoid-osteoma of a phalanx [letter] Stern RE. **J Bone Joint Surg [Am]** 1985 Oct;67(8):1307

Stress analysis of a condylar knee tibial component: influence of metaphyseal shell properties and cement injection depth. Cheal EJ, et al. **J Orthop Res** 1985;3(4):424-34

Trabecular bone strength patterns at the proximal tibial epiphysis. Hvid I, et al. **J Orthop Res** 1985;3(4):464-72

Soft tissue recurrence of chondromyxoid fibroma. Heydemann J, et al. **J Pediatr Orthop** 1985 Nov-Dec; 5(6):725-7

Transepiphyseal plate osteotomy for severe tibia vara in children: follow-up study of four cases. Sasaki T, et al. **J Pediatr Orthop** 1986 Jan-Feb;6(1):61-5

Adamantinoma of tibia (a case report). Surana SS, et al. **J Postgrad Med** 1985 Jan;31(1):37-8

Clinical basis for a mechanical etiology in adolescent Blount's disease. Beskin JL, et al. **Orthopedics** 1986 Mar;9(3):365-70

Observations on several factors influencing the incidence of tibial dyschondroplasia in broiler chickens. Edwards HM Jr. **Poult Sci** 1985 Dec;64(12):2325-34

"Angioblastic" adamantinoma of the tibia. An immunohistochemical study. Muretto P, et al. **Tumori** 1985 Aug 31;71(4):387-90

Human osteogenic sarcoma: fine structural localization of adenosine triphosphatase. Stark A, et al. **Ultrastruct Pathol** 1986;10(2):145-55

[Subcutaneous rupture of the anterior tibial tendon] Kiaer T. **Ugeskr Laeger** 1986 Jul 7;148(28):1769-70 (Eng. Abstr.) (Dan)

[Osseous hydatidosis: presentation of a rare localization and review of the bibliography] Borsotti C, et al. **Chir Ital** 1985 Jun;37(3):329-37 (Eng. Abstr.) (Ita)

[Osteoarticular tuberculosis without pulmonary involvement. Description of 2 pediatric cases] Verrotti A, et al. **Pediatr Med Chir** 1985 Jan-Feb;7(1):151-3 (Eng. Abstr.) (Ita)

[Development of cancer in chronic osteomyelitis] Taukenov MT, et al. **Vestn Khir** 1986 May;136(5):74-6 (Rus)

ABNORMALITIES

Changes in tibiotalar joint contact areas following experimentally induced tibial angular deformities. Tarr RR, et al. **Clin Orthop** 1985 Oct;(199):72-80

Congenital absence of the tibial sesamoid: a report of two cases. Zinsmeister BJ, et al. **J Foot Surg** 1985 Jul-Aug; 24(4):266-8

Congenital bowing of long bones: clinical and experimental study. Nogami H, et al. **Teratology** 1986 Feb;33(1):1-7

[Bilateral tibial aplasia] von Wechmar M, et al. **ROFO** 1986 Mar;144(3):366-7 (Ger)

[A rare form of congenital limb reduction anomalies: defect of the ulnar-tibial axis] Czeizel E, et al. **Orv Hetil** 1985 Nov 10;126(45):2783-7 (Eng. Abstr.) (Hun)

[Dysplasia epiphysealis hemimelica--congenital developmental disorders of the epiphyses] Szulc A, et al. **Chir Narzadow Ruchu Ortop Pol** 1985;50(6):499-502 (Eng. Abstr.) (Pol)

[Determining crural bone torsion] Gafarov KhZ. **Ortop Travmatol Protez** 1985 Aug;(8):50-2 (Rus)

ANALYSIS

Effects of age and sex on the amount and distribution of mineral in Eskimo tibiae. Martin RB, et al. **Am J Phys Anthropol** 1985 Aug;67(4):371-80

Immunoperoxidase localization of type X collagen in chick tibiae. Kwan AP, et al. **Biosci Rep** 1986 Feb;6(2):155-62

ANATOMY & HISTOLOGY

Subfossil platyrrhine tibia (primates: Callitrichidae) from Hispaniola: a possible further example of island gigantism. Ford SM. **Am J Phys Anthropol** 1986 May;70(1):47-62

The effect of endurance exercise on bone dimensions, collagen, and calcium in the aged male rat. Beyer RE, et al. **Exp Gerontol** 1985;20(6):315-23

A three-dimensional finite element analysis of the upper tibia. Little RB, et al. **J Biomech Eng** 1986 May;108(2):111-9

Tibial epiphyseal development: a cross-sectional histologic and histomorphometric study in the New Zealand white rabbit. Masoud I, et al. **J Orthop Res** 1986;4(2):212-20

BLOOD SUPPLY

Effects of exercise on bone morphology. Vascular channels studied in the rat tibia. Forwood MR, et al. **Acta Orthop Scand** 1986 Jun;57(3):204-7

A prospective randomized trial of aspirin in femoral popliteal and tibial bypass grafts. Satiani B. **Angiology** 1985 Sep; 36(9):608-16

The effect of external skeletal fixation on bone healing and bone blood supply. An experimental study. Court-Brown CM. **Clin Orthop** 1985 Dec;(201):278-89

[Microcirculation of the long bones: an experimental study] Pan HQ, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Nov; 23(11):668-71, 702-3 (Eng. Abstr.) (Chi)

[Infarct of the head of the tibia] Uhlig C, et al. **Chirurg** 1985 Nov;56(11):751-3 (Ger)

[Experimental microangiographic studies of revascularization of fractures after sympathectomy] Kagel KO, et al. **Radiobiol Radiother (Berl)** 1985;26(4):549-55 (Eng. Abstr.) (Ger)

[Angiographic demonstration of the medullary space and callus vessels during secondary bone fracture healing; animal experiments] Klug W. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(1):50-6 (Eng. Abstr.) (Ger)

[Resection of the distal segment of the posterior tibial veins in post-thrombotic disease of the lower extremities] Konstantinova GD, et al. **Khirurgiia (Mosk)** 1986 May; (5):119-21 (Rus)

[Primary bone consolidation after diaphyseal fractures in various conditions of intraosseous circulation] Lavrishcheva GI, et al. **Ortop Travmatol Protez** 1985 Sep; (9):1-5 (Eng. Abstr.) (Rus)

[Tissue blood flow in ununited fractures of long tubular crural bones] Savel'ev VN, et al. **Sov Med** 1986;(3):35-7 (Eng. Abstr.) (Rus)

CYTOLOGY

Evidence for the presence of Calbindin-D 28K (CaBP-28K) in the tibial growth cartilages of rats. Balmain N, et al. **Cell Tissue Res** 1986;245(2):331-5

DRUG EFFECTS

Effect of organic and inorganic mercury compounds on the growth of incisor and tibia in rats. Yonaga T, et al. **Anat Anz** 1985;159(1-5):373-83

Study on ectopic calcification in bone marrow of rat tibia caused by vinblastine. Tamura Y. **Bull Tokyo Med Dent Univ** 1986 Mar;33(1):9-22

GROWTH & DEVELOPMENT

Relative tibia long bone growth in the Libben and Bt-5 prehistoric skeletal populations. Mensforth RP. **Am J Phys Anthropol** 1985 Oct;68(2):247-62

Preliminary observations on epiphyseal growth rate in congenital pseudarthrosis of tibia after free vascularized fibular graft. Pho RW, et al. **Clin Orthop** 1986 May; (206):104-8

Spontaneous improvement of post-traumatic tibia valga. Zionts LE, et al. **J Bone Joint Surg [Am]** 1986 Jun; 68(5):680-7

INJURIES

Acute periostitis in early acquired syphilis simulating shin splints in a jogger. Meier JL, et al. **Am J Sports Med** 1986 Jul-Aug;14(4):327-8

Recurrent dislocations of the proximal tibiofibular joint. Report of two cases. Giachino AA. **J Bone Joint Surg [Am]** 1986 Sep;68(7):1104-6

Isolated dislocation of the proximal tibiofibular joint. Thomason PA, et al. **J Trauma** 1986 Feb;26(2):192-5

Tibial nerve and deep fibular nerve effects on venous and extravascular volumes. Baker CH, et al. **Proc Soc Exp Biol Med** 1986 Mar;181(3):338-44

Mycotic aneurysm--a rare complication of acute osteomyelitis in a child. A case report. Heydenrych JJ. **S Afr Med J** 1985 Oct 12;68(8):609-10

Iliotibial band syndrome in distance runners. Sutker AN, et al. **Sports Med** 1985 Nov-Dec;2(6):447-51

[Prognosis of injury of the distal tibia epiphysis depending upon the type of injury] Winker H, et al. **Aktuel Traumatol** 1985 Aug;15(4):165-9 (Eng. Abstr.) (Ger)

[Rupture of popliteal vessels in traumatic dislocation of the crural bones] Madykenov OM, et al. **Ortop Travmatol Protez** 1986 Feb;(2):35-6 (Rus)

METABOLISM

Tritiated thymidine uptake in chondrocytes of chickens afflicted with tibial dyschondroplasia. Gay CV, et al. **Avian Dis** 1985 Oct-Dec;29(4):1224-9

Effect of hyperbaric oxygen exposure on oxygen tension within the medullary canal in the rabbit tibial osteomyelitis model. Esterhai JL Jr, et al. **J Orthop Res** 1986;4(3):330-6

PATHOLOGY

Structural changes in intact tubular bone after application of axial loads by external fixation. Aalto K. **Ann Chir Gynaecol** 1986;75(1):44-7

A giant cell tumour (osteoclastoma) of the tibia in a horse. May SA, et al. **Equine Vet J** 1985 Nov;17(6):477-9

Morphometric analysis of chondrocyte hypertrophy. Buckwalter JA, et al. **J Bone Joint Surg [Am]** 1986 Feb; 68(2):243-55

Unusual localization of adamantinoma of long bones. Report of a case of isolated fibular involvement. Sowa DT, et al. **J Bone Joint Surg [Am]** 1986 Feb;68(2):293-6

Tibiofibular torsion in normal and treated clubfoot populations. Hutchins PM, et al. **J Pediatr Orthop** 1986 Jul-Aug;6(4):452-5

Central and peripheral bone biopsy in a patient with axial osteomalacia. van Erpecum KJ, et al. **Neth J Med** 1985; 28(11):505-8

Case report 348: pigmented villonodular synovitis arising from bursa of the pes anserinus muscle, with secondary involvement of the tibia. Present DA, et al. **Skeletal Radiol** 1986;15(3):236-40

Morphogenesis of Fusarium sp-induced tibial dyschondroplasia in chickens. Haynes JS, et al. **Vet Pathol** 1985 Nov;22(6):629-36

[A method of collecting bone samples for the differential diagnosis of osteopathies] Koudela K, et al. **Acta Chir Orthop Traumatol Cech** 1986 Feb;53(1):20-5 (Eng. Abstr.) (Cze)

[Successful treatment of several metachronous pulmonary metastases of a chondroblastic osteosarcoma] Eschenbach C, et al. **Z Kinderchir** 1985 Aug;40(4):247-8 (Eng. Abstr.) (Ger)

[Post-traumatic genu valgus in metaphysial fractures of the tibia in children] Ferrini L, et al. **Arch Putti Chir Organi Mov** 1984;34:309-14 (Eng. Abstr.) (Ita)

[Investigation of the relationship between the function and light and electron microscopic structure of osteoblasts and changes in the tibial cortex in rachitic rats] Yanagi K. **Nippon Seikeigeka Gakkai Zasshi** 1986 Mar;60(3):337-48 (Eng. Abstr.) (Jpn)

[Hemangiopericytoma of the bone] Fedorova EN, et al. **Arkh Patol** 1986;48(2):80-3 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Cancellous bone at the knee: a comparison of two methods of strength measurement. Hvid I. **Arch Orthop Trauma Surg** 1985;104(4):211-7

Indentation stiffness of the cancellous bone in the distal human tibia. Aitken GK, et al. **Clin Orthop** 1985 Dec; (201):264-70

The influence of tibial component intramedullary stems and implant-cortex contact on the strain distribution of the proximal tibia following total knee arthroplasty. An in vitro study. Bourne RB, et al. **Clin Orthop** 1986 Jul;(208):95-9

Assessment of tibial stiffness by vibration testing in situ--II.

Influence of soft tissues, joints and fibula. Cornelissen P, et al. **J Biomech** 1986;19(7):551–61

The effects of tibial–femoral angle on the failure mechanics of the canine anterior cruciate ligament. Figgie HE 3d, et al. **J Biomech** 1986;19(2):89–91

Vibration analysis of human tibia [letter] Laura PA. **J Biomed Eng** 1986 Jul;8(3):278

Bone strain: a determinant of gait and speed? Biewener AA, et al. **J Exp Biol** 1986 Jul;123:383–400

Evaluation of tibiofibular motion under load conditions by computed tomography. Jend HH, et al. **J Orthop Res** 1985; 3(4):418–23

In vivo bone strain in the equine tibia before and after transection of the peroneus tertius muscle. Schamhardt HC, et al. **Res Vet Sci** 1985 Sep;39(2):139–44

[Physical characteristics of the dense part of the tibia] Catović E, et al. **Lijec Vjesn** 1986 Apr;108(4):127–9 (Eng. Abstr.) **(Ser)**

PHYSIOPATHOLOGY

Subchondral bone strength in arthrosis. Cadaver studies of tibial condyles. Hvid I, et al. **Acta Orthop Scand** 1986 Feb; 57(1):47–51

Loss of bone strength after intramedullary nailing. Torsion tests of tibial osteotomies in rabbits. Kaartinen E, et al. **Acta Orthop Scand** 1985 Dec;56(6):487–90

The extent of stress-protection after plate osteosynthesis in the human tibia. Terjesen T, et al. **Clin Orthop** 1986 Jun; (207):108–12

Assessment of tibial stiffness by vibration testing in situ—I. Identification of mode shapes in different supporting conditions. Christensen AB, et al. **J Biomech** 1986; 19(1):53–60

[Morphotypes of the lower extremity in adults] Lerat JL, et al. **Orthopede** 1985 Sep;14(4):220–2 **(Ger)**

[In vitro studies of the load bearing function of the interosseous membrane and fibula in relation to total stress capacity of the lower leg] Yücel M, et al. **Z Orthop** 1986 May–Jun;124(3):273–7 (Eng. Abstr.) **(Ger)**

[Study on the mechanical strength of the medial tibial condyle of the rheumatoid knee] Kameyama S. **Nippon Ika Daigaku Zasshi** 1986 Apr;53(2):198–205 (Eng. Abstr.) **(Jpn)**

RADIATION EFFECTS

The influence of a free periosteal transplant on bone healing in the irradiated tibia. A radiological histological and biochemical study on rabbits. Aitasalo K, et al. **Scand J Plast Reconstr Surg** 1985;19(3):237–44

RADIOGRAPHY

Remodeling of trabecular bone at the proximal tibia after total knee replacement. A CT–scan study. Hvid I, et al. **Eng Med** 1986 Apr;15(2):89–93

Tibial and fibular angles in homozygous sickle cell disease. Akamaguna AI, et al. **Ear J Radiol** 1986 May;6(2):97–8

A case of Blount–Erlacher syndrome. De Man R, et al. **J Belge Radiol** 1985;68(6):450–1

Tibia vara caused by focal fibrocartilaginous dysplasia. Three case reports. Bell SN, et al. **J Bone Joint Surg [Br]** 1985 Nov;67(5):780–4

Case report 366: Myxoid angioblastomatosis of bone (disseminated). Mirra JM, et al. **Skeletal Radiol** 1986; 15(4):323–6

Case report 368: Enchondroma of the tibia with extensive myxoid degeneration; recurrence with secondary and malignant transformation to highly differentiated chondrosarcoma. Remagen W, et al. **Skeletal Radiol** 1986; 15(4):330–3

Case report 331: Small cell osteosarcoma of the tibia with diffuse metastatic disease. Roessner A, et al. **Skeletal Radiol** 1985;14(3):216–25

[Clinical study of the lower extremity in 3 dimensions. Contribution of computerized tomography to the analysis of the horizontal dimension] Lerat JL, et al. **Orthopade** 1985 Sep;14(4):215–9 **(Ger)**

[Intrathoracic plasmacytic tumor in multiple myeloma—diagnostic difficulties] Zaleska J, et al. **Pol Tyg Lek** 1985 Jun 24–30;40(25–26):737–40 (Eng. Abstr.) **(Pol)**

RADIONUCLIDE IMAGING

Subperiosteal hematoma. Another scintigraphic "doughnut". Mandell GA, et al. **Clin Nucl Med** 1986 Jan;11(1):35–7

SURGERY

Biodegradable fixation of rabbit osteotomies. Vainionpää S, et al. **Acta Orthop Scand** 1986 Jun;57(3):237–9

Medical and lateral gonarthrosis treated with high tibial osteotomy. A prospective study. Jokio PJ, et al. **Arch Orthop Trauma Surg** 1985;104(3):135–44

Lowering of the patella secondary to anterior advancement of the tibial tubercle for the patellofemoral pain syndrome. Karlsson J, et al. **Arch Orthop Trauma Surg** 1986; 105(1):40–5

Bone graft for tibial defects in total knee arthroplasty. Dorr LD, et al. **Clin Orthop** 1986 Apr;(205):153–65

Tibial tubercle advancement for anterior knee pain. A temporary or permanent solution. Heatley FW, et al. **Clin Orthop** 1986 Jul;(208):215–24

A simple and safe technique for tibial lengthening. Rezaian SM, et al. **Clin Orthop** 1986 Jun;(207):216–22

Bone grafting of tibial defects in primary and revision total knee arthroplasty. Windsor RE, et al. **Clin Orthop** 1986 Apr;(205):132–7

Intramedullary fixation of 'custom-made' major endoprostheses with special reference to the bone response. Scales JT, et al. **Eng Med** 1984 Oct;13(4):185–9

High tibial osteotomy combined with anterior displacement of the tibial tubercle for osteoarthritis of the knee. Sasaki T, et al. **Int Orthop** 1986;10(1):31–40

High domed tibial osteotomy in the treatment of angular deviations of the knee. A new system of surgical instrumentation. Cassarino A, et al. **Ital J Orthop Traumatol** 1985 Sep;11(3):331–9

Management of the fibula in high tibial osteotomy for arthritis of the knee. Union times and complications. Jokio PJ, et al. **Ital J Orthop Traumatol** 1986 Mar;12(1):41–52

Porous hydroxyapatite as a bone–graft substitute in metaphyseal defects. A histometric study. Holmes RE, et al. **J Bone Joint Surg [Am]** 1986 Jul;68(6):904–11

The treatment of patellofemoral pain by combined rotation and elevation of the tibial tubercle. Miller BJ, et al. **J Bone Joint Surg [Am]** 1986 Mar;68(3):419–23

A relationship between gait and clinical changes following high tibial osteotomy. Prodromos CC, et al. **J Bone Joint Surg [Am]** 1985 Oct;67(8):1188–94

Combined anterior cruciate–ligament reconstruction using semitendinosus tendon and iliotibial tract. Zarins B, et al. **J Bone Joint Surg [Am]** 1986 Feb;68(2):160–77

Unicompartmental replacement and high tibial osteotomy for osteoarthritis of the knee. A comparative study after 5–10 years' follow–up. Broughton NS, et al. **J Bone Joint Surg [Br]** 1986 May;68(3):447–52

Weakness of foot dorsiflexion and changes in compartment pressures after tibial osteotomy. Gibson MJ, et al. **J Bone Joint Surg [Br]** 1986 May;68(3):471–5

Percutaneous epiphysiodesis: experimental study and preliminary clinical results. Canale ST, et al. **J Pediatr Orthop** 1986 Mar–Apr;6(2):150–6

Epiphysiodesis: evaluation of a new technique. Ogilvie JW. **J Pediatr Orthop** 1986 Mar–Apr;6(2):147–9

Medial approach to the anterior tibial artery [letter] Cohen MJ, et al. **J Vasc Surg** 1986 Apr;3(4):679

Anterior tibial tubercle elevation in the young adult. Radin EL. **Orthop Clin North Am** 1986 Apr;17(2):297–302

Proximal tibial osteotomy for genu recurvatum. A review and case report. Froimson AI, et al. **Orthopedics** 1985 Jun; 8(6):745–9

Vascularized fibular grafting for the treatment of congenital pseudarthrosis of the tibia. Gordon L, et al. **Orthopedics** 1986 Jun;9(6):825–31

Renal osteodystrophy. Holtgrewe JL, et al. **Orthopedics** 1985 Oct;8(10):1283–5

Lateral tibial plateau fracture as a postoperative complication of high tibial osteotomy. Ivey M, et al. **Orthopedics** 1985 Aug;8(8):1009–13

Surgical aspects of limb deformity in hypophosphatemic rickets. Greene WB, et al. **South Med J** 1985 Oct; 78(10):1185–9

High tibial osteotomy in degenerate diseases of the knee. McCoy GF, et al. **Ulster Med J** 1985 Apr;54(1):46–52

[Stapling using Blount's technic in idiopathic frontal deviations of the lower limbs in children] Dutoit M. **Chir Pediatr** 1986;27(2):103–7 (Eng. Abstr.) **(Fre)**

[Outcome at more than 10 years of 93 tibial osteotomies for internal arthritis in genu varum (or the predominant influence of the frontal angular correction)] Goutallier D, et al. **Rev Chir Orthop** 1986;72(2):101–13 (Eng. Abstr.) **(Fre)**

[Can one determine the age at which epiphysiodesis should be performed in the treatment of genu valgum in the adolescent?] Masse P, et al. **Rev Chir Orthop** 1985; 71(5):319–25 (Eng. Abstr.) **(Fre)**

[V–shaped osteotomy of the olecranon, greater trochanter of the femur and internal malleolus] Meeder PJ, et al. **Aktuel Traumatol** 1985 Aug;15(4):184–5 **(Ger)**

[Temporary patello–tibial transfixation in the follow–up care of reconstructions of posterior instabilities] Baumgartner R, et al. **Z Unfallchir Versicherungsmed Berufskr** 1985; 78(2):95–8 **(Ger)**

[Diffuse giant cell tumor in the synovium of the distal lower leg] Büsch HG, et al. **Zentralbl Chir** 1986;111(5):269–71 **(Ger)**

[Validity of Ilizarov's technic in corrective osteotomy of the tibia] Bagnoli G, et al. **Arch Putti Chir Organi Mov** 1984; 34:115–22 (Eng. Abstr.) **(Ita)**

[Valgization osteotomy of the tibia by the Insall method in arthritic genu varus] Michelacci M, et al. **Arch Putti Chir Organi Mov** 1984;34:103–14 (Eng. Abstr.) **(Ita)**

[High tibial osteotomy in the treatment of varus–arthrosic knee] Fontanesi G, et al. **Chir Organi Mov** 1985 Jul–Sep; 70(3):209–15 (Eng. Abstr.) **(Ita)**

[Release of the cartilage growth plate by the Langenskiöld technic in the partial epiphysiodesis of the proximal metaphysis of the tibia] Rossi P, et al. **Chir Organi Mov** 1985 Jul–Sep;70(3):247–51 (Eng. Abstr.) **(Ita)**

[Porous corundum ceramics in clinical use] Bieniek J, et al. **Chir Narzadow Ruchu Ortop Pol** 1985;50(5):378–84 (Eng. Abstr.) **(Pol)**

[Bone autoplasty with spongiosa in the open wound and laser irradiation in the treatment of chronic osteomyelitis of the crural bones] Grabovoĭ AF, et al. **Ortop Travmatol Protez** 1985 Sep;(9):53 **(Rus)**

[Variant of pedicled skin plasty] Makushin VD, et al. **Ortop Travmatol Protez** 1985 Jul;(7):55–6 **(Rus)**

TRANSPLANTATION

A case of multicentric synchronous osteosarcoma treated with a vascularized tibia graft from an amputated limb. Shibata T, et al. **Arch Orthop Trauma Surg** 1986; 105(4):247–9

Reconstruction of the proximal humerus with tibial autografts after resection of osteochondroma in adolescents. Taminiau AH, et al. **Clin Orthop** 1985 Dec;(201):173–8

Sequestration of tibial cortical graft 25 years after posterior spine fusion using the Albee technique. Binazzi R, et al. **Spine** 1986 Jan–Feb;11(1):61–3

ULTRASTRUCTURE

Ultrastructure of Fusarium–induced tibial dyschondroplasia in chickens: a sequential study. Haynes JS, et al. **Vet Pathol** 1986 Jul;23(4):499–505

TIBIAL FRACTURES

Triplane fracture of the distal tibial epiphysis. Johnson PH. **J Arkansas Med Soc** 1986 Feb;82(9):412–4

Fracture of an unossified tibial tubercle. Driessnack RP, et al. **J Pediatr Orthop** 1985 Nov–Dec;5(6):728–30

COMPLICATIONS

Tibial shaft fracture associated with silent isolated partial rupture of the anterior cruciate ligament. Hammer R. **Arthroscopy** 1985;1(2):128–30

Closed fractures complicated by acute hematogenous osteomyelitis. Hardy AE, et al. **Clin Orthop** 1985 Dec; (201):190–5

Fracture of the proximal part of the tibia and fibula associated with an entrapped popliteal artery. A case report. Hall RF Jr, et al. **J Bone Joint Surg [Am]** 1986 Jul;68(6):941–4

Spontaneous improvement of post–traumatic tibia valga. Zionts LE, et al. **J Bone Joint Surg [Am]** 1986 Jun; 68(5):680–7

Pulmonary insufficiency after long bone fractures. Absence of circulating fat or significant immunodepression. Hutchins PM, et al. **J Bone Joint Surg [Br]** 1985 Nov; 67(5):835–9

The "floating knee" in children.Letts M, et al. **J Bone Joint Surg [Br]** 1986 May;68(3):442–6

Use of the Hickman catheter for the treatment of lower extremity infections. Williams PJ, et al. **J Foot Surg** 1985 Sep–Oct;24(5):335–8

Popliteal artery injury associated with tibial fracture in a five year old. Cofer JB, et al. **J Tenn Med Assoc** 1986 Jul; 79(7):430–2

Posterior tibial artery pseudoaneurysm following tibial fracture. A case report. Breen T, et al. **Orthopedics** 1985 Aug;8(8):993–7

Post–traumatic osteomyelitis (fifteen months to rehabilitate from tibial fracture). Taine WH, et al. **Orthopedics** 1985 May;8(5):565, 568–9, 688

Mucormycosis after open fracture injury. Venezio FR, et al. **South Med J** 1985 Dec;78(12):1516–7

Fulminant fat embolism associated with closed fracture reduction. O'Toole DP, et al. **Ulster Med J** 1986 Apr; 55(1):86–8

[Fulminating fat embolism syndrome after closed lower leg fracture: a case report] Badenhorst OA, et al. **S Afr Med J** 1986 Aug 2;70(3):172–3 (Eng. Abstr.) **(Afr)**

[Lymphoscintigraphy. A predictive test of post–traumatic lymphedema of the lower limbs] Baulieu F, et al. **Rev Chir Orthop** 1985;71(5):327–32 (Eng. Abstr.) **(Fre)**

[Fistula cancer—a rare complication of gunshot fracture osteomyelitis] Behnke KD, et al. **Beitr Orthop Traumatol** 1985 Sep;32(9):469–71 (Eng. Abstr.) **(Ger)**

[Growth disorders of the legs in the outcome of diaphysial fractures of the tibia in children] De Palma L, et al. **Arch Putti Chir Organi Mov** 1984;34:315–9 (Eng. Abstr.) **(Ita)**

[Post–traumatic genu valgus in metaphysial fractures of the tibia in children] Ferrini L, et al. **Arch Putti Chir Organi Mov** 1984;34:309–14 (Eng. Abstr.) **(Ita)**

[Pseudoaneurysm of the peroneal artery caused by a non–penetrating injury] Munari R, et al. **Chir Ital** 1984 Dec; 36(6):1040–5 (Eng. Abstr.) **(Ita)**

[Posttraumatic ischemic syndrome of the anterior compartment of the leg] Odella F, et al. **Chir Ital** 1986 Feb;38(1):104–12 (Eng. Abstr.) **(Ita)**

[Kidney calcinosis as a sequela of complicated fractures of long bones] Fryczkowski M, et al. **Chir Narzadow Ruchu Ortop Pol** 1985;50(2):154–8 (Eng. Abstr.) **(Pol)**

[Criteria of functional disorders in patients with sequelae of fractures of bones of the lower limbs] Iaremenko DA, et al. **Ortop Travmatol Protez** 1985 Sep;(9):33–6 (Eng. Abstr.) **(Rus)**

[Radioisotope study of reparative osteogenesis, blood

circulation and lymph flow after transosseous osteosynthesis of the bones of the leg using the G. A. Ilizarov method in chronic osteomyelitis] Sveshnikov AA, et al. **Ortop Travmatol Protez** 1985 Oct;(10):23–7 (Eng. Abstr.) **(Rus)**

CONGENITAL

[Diagnostic and therapeutic problems of congenital pseudarthrosis of the lower leg in children] Karski T, et al. **Z Orthop** 1986 Jan–Feb;124(1):13–8 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Stress fracture of the tibia mimicking deep venous thrombosis or rupture of the popliteal cyst [letter] Pal B, et al. **Br J Rheumatol** 1986 Aug;25(3):319–20

Os subtibiale mistaken for a recent fracture. Coral A. **Br Med J [Clin Res]** 1986 Jun 14;292(6535):1571–2

Osseous trauma of the lower extremity secondary to knife wounds. Two case reports. Ford TC, et al. **J Am Podiatr Med Assoc** 1986 Aug;76(8):462–3

Vibrational analysis [letter] Stephen RO. **J Biomed Eng** 1985 Oct;7(4):341–2

Diagnosis of stress fractures in athletes [letter] Noakes TD. **JAMA** 1985 Dec 27;254(24):3422–3

ECONOMICS

[Skiing injuries are expensive for society. Tibial fracture costs 8200 crowns] Lorentzon R, et al. **Lakartidningen** 1986 Mar 12;83(11):960–2 **(Swe)**

ETIOLOGY

Trampoline fracture of the proximal tibia in children. Boyer RS, et al. **AJR** 1986 Jan;146(1):83–5

Skiing injuries in children: lower leg fractures. I'^gerholm S, et al. **Int J Sports Med** 1985 Oct;6(5):292–7

Computed tomography of stress fractures. Yousem D, et al. **J Comput Assist Tomogr** 1986 Jan–Feb;10(1):92–5

Stress fractures: revisited. Altman MI. **J R Soc Health** 1985 Aug;105(4):139–40, 143

Tibial fractures associated with civilian gunshot injuries. Leffers D, et al. **J Trauma** 1985 Nov;25(11):1059–64

Lateral tibial plateau fracture as a postoperative complication of high tibial osteotomy. Ivey M, et al. **Orthopedics** 1985 Aug;8(8):1009–13

[Osgood–Schlatter's disease complicated by fracture of the tibial tuberosity] Mikkelsen SS, et al. **Ugeskr Laeger** 1985 Sep 23;147(39):3071–2 (Eng. Abstr.) **(Dan)**

IMMUNOLOGY

[Post-traumatic adaptation of patients with fractures of the long tubular bones] Golubev GSh, et al. **Ortop Travmatol Protez** 1985 Sep;(9):36–41 (Eng. Abstr.) **(Rus)**

METABOLISM

Parathormone, calcitonin, and vitamin D metabolites during normal fracture healing in geriatric patients. Meller Y, et al. **Clin Orthop** 1985 Oct;(199):272–9

The effects of mechanical stability on the macromolecules of the connective tissue matrices produced during fracture healing. I. The collagens. Page M, et al. **Histochem J** 1986 May;18(5):251–65

[Changes in trace elements (zinc, copper and manganese) in the hair before and after severe fractures by proton-induced X-ray emission spectrometry (PIXE)] Wang ZX, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Jul; 23(7):392–4, 443 (Eng. Abstr.) **(Chi)**

OCCURRENCE

Stress fractures in military recruits. A prospective study showing an unusually high incidence. Milgrom C, et al. **J Bone Joint Surg [Br]** 1985 Nov;67(5):732–5

PATHOLOGY

Radiographic and histologic analyses of stress fracture in rabbit tibias. Li GP, et al. **Am J Sports Med** 1985 Sep–Oct; 13(5):285–94

Tibial tubercle avulsions. Bolesta MJ, et al. **J Pediatr Orthop** 1986 Mar–Apr;6(2):186–92

[Rare compound fractures of the lower leg. 2 case reports] Böhnel P. **Unfallchirurg** 1985 Jul;88(7):333–4 (Eng. Abstr.) **(Ger)**

[Morphogenesis of interfragmental tissue at early stages of distraction of hypertrophic pseudarthroses (experimental–morphological study)] Shtin VP, et al. **Ortop Travmatol Protez** 1985 Sep;(9):5–9 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

The pronation capacity of the foot—its consequences for axial deformity after tibial shaft fractures. Olerud C. **Arch Orthop Trauma Surg** 1985;104(5):303–6

Effects of the salivary glands active principle (parotin) on the bone healing of alloxan diabetic rats. Luciano E, et al. **Cell Mol Biol** 1986;32(1):1–7

The extent of stress-protection after plate osteosynthesis in the human tibia. Terjesen T, et al. **Clin Orthop** 1986 Jun; (207):108–12

Assessment of tibial stiffness by vibration testing in situ—I. Identification of mode shapes in different supporting conditions. Christensen AB, et al. **J Biomech** 1986; 19(1):53–60

Wave propagation across a bony discontinuity simulating a healing fracture. Pelker RR, et al. **J Biomech** 1985; 18(10):745–53

[Periosteal and cortical reactions of the anterior tibial edges in performance sports] Barth T, et al. **Beitr Orthop Traumatol** 1986 May;33(5):232–6 (Eng. Abstr.) **(Ger)**

[Biomechanical analysis of falls in skiing] Menke W. **Fortschr Med** 1986 Jan 23;104(4):86–8 (Eng. Abstr.) **(Ger)**

[Angiographic demonstration of the medullary space and callus vessels during secondary bone fracture healing; animal experiments] Klug W. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(1):50–6 (Eng. Abstr.) **(Ger)**

[Intramuscular tissue pressure. Treatment of tibial fractures with functional orthoses] Fasting OJ, et al. **Tidsskr Nor Laegeforen** 1985 Sep 10;105(25):1686–7 (Eng. Abstr.) **(Nor)**

[Primary bone consolidation after diaphyseal fractures in various conditions of intraosseous circulation] Lavrishcheva GI, et al. **Ortop Travmatol Protez** 1985 Sep; (9):1–5 (Eng. Abstr.) **(Rus)**

[Tissue blood flow in ununited fractures of long tubular crural bones] Savel'ev VN, et al. **Sov Med** 1986;(3):35–7 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

[Experimental studies on the effectiveness of various shin guards in soccer] van Laack W. **Z Orthop** 1985 Nov–Dec; 123(6):951–6 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Acute plastic bowing fractures in children. Komara JS, et al. **Ann Emerg Med** 1986 May;15(5):585–8

Accuracy of radiologic assessment of tibial shaft fracture union in humans. Hammer RR, et al. **Clin Orthop** 1985 Oct;(199):233–8

Triplane fractures of the adolescent ankle—a report of three cases. Seitz WH, et al. **Injury** 1985 Sep;16(8):547–53

Comparison of conventional radiography and computed tomography in the evaluation of spiral fractures of the tibia [letter] **J Bone Joint Surg [Am]** 1986 Jun;68(5):790–1

A comparison of conventional radiography and computed tomography in the evaluation of spiral fractures of the tibia. Gershuni DH, et al. **J Bone Joint Surg [Am]** 1985 Dec; 67(9):1388–95

Spiral fractures of the shaft of the tibia. Initial displacement and stability of reduction. Böstman OM. **J Bone Joint Surg [Br]** 1986 May;68(3):462–6

Tomography in a juvenile Tillaux fracture. Yao J, et al. **J Pediatr Orthop** 1986 May–Jun;6(3):349–51

Segond tibial condyle fracture: lateral capsular ligament avulsion. Dietz GW, et al. **Radiology** 1986 May; 159(2):467–9

Transient fatty cortical defects following fractures in children. Malghem J, et al. **Skeletal Radiol** 1986; 15(5):368–71

[Adolescent fractures] Häring M. **Zentralbl Chir** 1986; 111(7):385–90 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

[Animal experimental scintigraphic observations of the course of secondary fracture healing without and with ultrasound stimulation] Klug W, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(3):185–95 (Eng. Abstr.) **(Ger)**

REHABILITATION

The significance of early motion in the treatment of tibial plateau fractures. Gausewitz S, et al. **Clin Orthop** 1986 Jan; (202):135–8

SURGERY

The operative treatment of tibial shaft fractures: a review of 277 cases. Rommens P, et al. **Acta Chir Belg** 1985 Jul–Aug;85(4):268–73

Treatment of fractures of the leg in elderly patients. (Analysis of 240 cases treated in 1968–1979). Pospíšil M, et al. **Acta Univ Carol [Med] (Praha)** 1985;31(3–4):153–63

Open reduction of a malunited tibial spine fracture in a 12-year-old male. A case report. Lipscomb AB, et al. **Am J Sports Med** 1985 Nov–Dec;13(6):419–22

Effects of isobutyl-2-cyanoacrylate on bone healing. Hampel NL, et al. **Am J Vet Res** 1986 Jul;47(7):1605–10

External fixation of tibial shaft fractures. A review of 42 fractures by the Hoffman–Vidal–Adrey external fixation system. Hammer R. **Arch Orthop Trauma Surg** 1985; 104(5):271–4

Fractures of the shaft of the tibia treated with Hoffmann external fixation. Schrøder HA, et al. **Arch Orthop Trauma Surg** 1986;105(1):28–30

The role of arthroscopy in the management of tibial plateau fractures. Caspari RB, et al. **Arthroscopy** 1985;1(2):76–82

Arthroscopic management of tibial plateau fractures. Jennings JE. **Arthroscopy** 1985;1(3):160–8

Arthroscopic management of tibial plateau fractures [letter] Pankovich AM. **Arthroscopy** 1986;2(2):132–4

Management of infected fractures of the tibia with associated soft tissue loss: experience with external fixation, bone grafting and soft tissue reconstruction using pedicle muscle flaps or microvascular composite tissue grafts. Asko-Seljavaara S, et al. **Br J Plast Surg** 1985 Oct; 38(4):546–55

Knee joint salvage utilising a plantar musculocutaneous island pedicle flap. Hamm JC, et al. **Br J Plast Surg** 1986 Apr; 39(2):249–54

Corynebacterium JK (Johnson–Kay strain) infection of a Küntscher-nailed tibial fracture. Claeys G, et al. **Clin Orthop** 1986 Jan;(202):227–9

Strength of union in human tibial shaft fracture. A prospective study of 104 cases. Hammer RR. **Clin Orthop** 1985 Oct;(199):226–32

Biocompression external fixation. Sliding external osteosynthesis. Lazo-Zbikowski J, et al. **Clin Orthop** 1986 May;(206):169–84

Tension band wiring of displaced tibial tuberosity fractures in adolescents. Polakoff DR, et al. **Clin Orthop** 1986 Aug; (209):161–5

Lower extremity salvage and reconstruction by free-tissue transfer. Analysis of results. Wood MB, et al. **Clin Orthop** 1985 Dec;(201):151–61

The osteoinductive potential of intramedullary canal bone reamings. Tydings JD, et al. **Curr Surg** 1986 Mar–Apr; 43(2):121–4

Isolated avulsion of the tibial origin of the anterior tibiofibular ligament. Perry CR, et al. **Foot Ankle** 1986 Apr;6(5):260–4

Basic concepts and applications in open tibial fractures. Behrens F. **Instr Course Lect** 1984;33:124–30

Dynamic axial fixation. A rational alternative for the external fixation of fractures. De Bastiani G, et al. **Int Orthop** 1986; 10(2):95–9

Intramedullary nailing with supplementary screw fixation (Grosse–Kempf technique). Zanasi R, et al. **Ital J Orthop Traumatol** 1985 Jun;11(2):159–64

Treatment of tibial fractures by reaming and intramedullary nailing. Bone LB, et al. **J Bone Joint Surg [Am]** 1986 Jul; 68(6):877–87

Iliac autograft for reconstruction of severely depressed fracture of a lateral tibial plateau. A brief note [letter] Goodman SB. **J Bone Joint Surg [Am]** 1986 Mar;68(3):475

Fractures of the tibial plafond. Ovadia DN, et al. **J Bone Joint Surg [Am]** 1986 Apr;68(4):543–51

Iliac autograft for reconstruction of severely depressed fracture of a lateral tibial plateau. Brief note. Segal D, et al. **J Bone Joint Surg [Am]** 1985 Oct;67(8):1270–2

Hughes external fixator in treatment of tibial fractures. Court-Brown CM, et al. **J R Soc Med** 1985 Oct; 78(10):830–7

Treatment of tibial defect with vascularized osteocutaneous pedicled transfer of fibula. Chen ZW, et al. **J Reconstr Microsurg** 1986 Apr;2(3):199–203, 205

Importunate fractures. Yocum JH, et al. **J Trauma** 1985 Dec; 25(12):1170–2

A new method of closed reduction using the spring action of Kirschner wires for fractures of the tibial plateau—a preliminary report. Ishiguro T, et al. **Nippon Seikeigeka Gakkai Zasshi** 1986 Feb;60(2):227–36

The Grosse–Kempf interlocking nail: technique of femoral and tibial fractures. Dugas R, et al. **Orthopedics** 1985 Nov; 8(11):1363–70

Indications, instrumentation, and experience with locked tibial nails. Johnson KD. **Orthopedics** 1985 Nov; 8(11):1377–83

Early results of the Sunnybrook experience with locked intramedullary nailing. Kellam JF. **Orthopedics** 1985 Nov; 8(11):1387–8

Elastic intramedullary nailing in shaft fractures of the femur and tibia. Mollica Q, et al. **Orthopedics** 1986 Aug; 9(8):1065–77

Management of open tibial fractures. Byrd HS, et al. **Plast Reconstr Surg** 1985 Nov;76(5):719–30

Operative results in 124 open fractures of the tibial shaft. Rommens P, et al. **Unfallchirurg** 1986 Mar;89(3):127–31

[Tissue decompression for the prevention of complications in fractures of the lower leg. A prospective study] van der Werken C, et al. **Acta Chir Belg** 1985 Jul–Aug; 85(4):233–8 (Eng. Abstr.) **(Dut)**

[The risk non-union following closed-focus nailing and reaming. Results of 1059 interventions using the Kunstcher method] Babin SR, et al. **Int Orthop** 1983;7(2):133–43 (Eng. Abstr.) **(Fre)**

[Recent isolated fractures of the tibia in the adult] Mabit C, et al. **J Chir (Paris)** 1985 Dec;122(12):701–6 (Eng. Abstr.) **(Fre)**

[Anterolateral approach in the treatment of fractures of the lower part of the leg] de Lestang M, et al. **Rev Chir Orthop** 1985;71 Suppl 2:72–4 **(Fre)**

[Septic leg fractures. Value of cancellous bone grafting without skin closure, aligned on the fibula] Lortat-Jacob A, et al. **Rev Chir Orthop** 1985;71(8):515–26 (Eng. Abstr.) **(Fre)**

[Biomechanical studies of the role of the interfragmentary traction screw in plate osteosynthesis exemplified by a short oblique tibial shaft fracture] Hopf T, et al. **Aktuel Traumatol** 1986 Apr;16(2):60–6 (Eng. Abstr.) **(Ger)**

[Intramedullary nailing as an alternate method in the management of slow-healing or pseudarthrotic upper and lower leg fractures] Kreusch-Brinker R, et al. **Aktuel Traumatol** 1986 Jun;16(3):110-6 (Eng. Abstr.) (Ger)

[Significance of the fibula in tibial fractures and pseudarthroses] Weise K, et al. **Aktuel Traumatol** 1985 Oct; 15(5):195-204 (Eng. Abstr.) (Ger)

[Prognosis of injury of the distal tibia epiphysis depending upon the type of injury] Winker H, et al. **Aktuel Traumatol** 1985 Aug;15(4):165-9 (Eng. Abstr.) (Ger)

[Compression osteosynthesis of oblique and spiral fractures of the tibia] Frenkel H, et al. **Beitr Orthop Traumatol** 1986 May;33(5):259-61 (Eng. Abstr.) (Ger)

[Simultaneous autologous spongioplasty and muscle flap transposition to restore the continuity of the leg with an osteitis defect] Neugebauer R, et al. **Langenbecks Arch Chir** 1986;367(2):99-105 (Eng. Abstr.) (Ger)

[Results following the operative treatment of fractures of the tibial head] Holz U, et al. **Unfallchirurg** 1985 Dec; 88(12):519-27 (Eng. Abstr.) (Ger)

[Development of post-traumatic arthrosis following pilon tibial fractures] Resch H, et al. **Unfallchirurg** 1986 Jan; 89(1):8-15 (Eng. Abstr.) (Ger)

[What is the value of Goetze's wire cerclage in treating torsion fractures of the lower leg?] Rütt J, et al. **Unfallchirurg** 1985 Jul;88(7):308-14 (Eng. Abstr.) (Ger)

[Stabilization of the short proximal and distal main fragments of the tibia with monofixation. An experimental study. I. Axial stress] Schlenzka R, et al. **Unfallchirurg** 1986 May; 89(5):214-9 (Eng. Abstr.) (Ger)

[Plate osteosynthesis in bicondylar fractures of the tibial head] Wagner HE, et al. **Unfallchirurg** 1986 Jul;89(7):304-11 (Eng. Abstr.) (Ger)

[Fractures of the distal humerus of children and the distal tibia with involvement of the epiphyseal groove] Draenert K, et al. **Z Orthop** 1985 Jul-Aug;123(4):522-5 (Ger)

[Treatment of growth disorders following epiphyseal groove fractures with Langenskjöld fatty tissue interposition-plasty] Horst M. **Z Orthop** 1985 Jul-Aug; 123(4):518-21 (Ger)

[Treatment of progressive axial deformities in children by surgical measures of the growth plate] Noack W, et al. **Z Orthop** 1986 May-Jun;124(3):327-35 (Eng. Abstr.) (Ger)

[Fracture treatment in children and adolescents with a lengthening device (indications, technic, results)] Zeiler G. **Z Orthop** 1985 Jul-Aug;123(4):501-5 (Ger)

[Reinforcement of fractures of the tibial plateau using forked plates] Baltensweiler J. **Z Unfallchir Versicherungsmed Berufskr** 1985;78(4):237-47 (Ger)

[Segmental fracture of the tibia with 2 middle segments in the sense of a 3-tiered fracture] Bloch HR. **Z Unfallchir Versicherungsmed Berufskr** 1985;78(2):127-31 (Ger)

[Treatment and results following para-articular epiphyseal injuries of the knee during the growth period] Ansorg P, et al. **Zentralbl Chir** 1985;110(16):998-1005 (Eng. Abstr.) (Ger)

[Fracture of the proximal metaphysis of the tibia in childhood] Dósa G, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1986; 29(1):34-40 (Eng. Abstr.) (Hun)

[Management of fractures of the distal end of the tibia on the "fibula pro tibia" principle] Minik L, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1985; 28(4):318-24 (Eng. Abstr.) (Hun)

[Management of open fractures of the lower leg by shortening] Sárváry A. **Magy Traumatol Orthop Helyreallito Sebesz** 1985; 28(4):280-8 (Eng. Abstr.) (Hun)

[Late results in the management of tibial head fractures] Végh G, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1985; 28(4):305-9 (Eng. Abstr.) (Hun)

[Interlocking medullary nailing, using a laser method] Zágh I, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1985; 28(4):297-303 (Eng. Abstr.) (Hun)

[Elastic synthesis with "vibrating" Scaglietti nails in diaphyseal fractures of the tibia. Initial results] Poli G. **Arch Putti Chir Organi Mov** 1984;34:243-53 (Eng. Abstr.) (Ita)

[Use of the external fixator in the treatment of recent fractures of the leg] Dacatra U, et al. **Chir Ital** 1985 Jun;37(3):358-64 (Eng. Abstr.) (Ita)

[Osteosynthesis with Ender's nails in diaphysiary fractures of the femur and the leg] Manes E, et al. **Chir Organi Mov** 1986 Jan-Mar;71(1):1-5 (Eng. Abstr.) (Ita)

[Treatment of "low" tibial shaft fractures by intramedullary osteosynthesis using transverse bone screws (preliminary report)] Fibak J, et al. **Chir Narzadow Ruchu Ortop Pol** 1985;50(2):143-6 (Eng. Abstr.) (Pol)

[Reconstruction of defects in the anterior crural surface with a flap from the medial head of the gastrocnemius muscle] Podlewski J, et al. **Chir Narzadow Ruchu Ortop Pol** 1985; 50(3):252-4 (Eng. Abstr.) (Pol)

[Surgical treatment of fractures of the tibial condyles] Ivanov VI, et al. **Ortop Travmatol Protez** 1985 Nov;(11):45-7 (Rus)

[Treatment of unstable multifragmental fractures of the distal end of the crural bones] Kalnberz VK, et al. **Ortop Travmatol Protez** 1985 Sep;(9):51-2 (Rus)

[Biomechanical study of the stability of tibial osteosynthesis by intramedullary and epiosseous fixators] Rublenik IM, et al. **Ortop Travmatol Protez** 1986 May;(5):25-7 (Eng. Abstr.) (Rus)

[Treatment method for united unreduced fractures of the posterior margin of the distal metaepiphysis of the tibia] Ryndenko VG, et al. **Ortop Travmatol Protez** 1986 Apr; (4):50-1 (Rus)

[A method of treating fractures of femoral and tibial condyles by transosseous osteosynthesis] Shved SI, et al. **Ortop Travmatol Protez** 1986 Feb;(2):42-3 (Rus)

[Comparative evaluation of reparative regeneration after closed and open intramedullary osteosynthesis] Suvalian AG, et al. **Ortop Travmatol Protez** 1986 Jan;(1):51-2 (Rus)

[Closed intramedullary osteosynthesis in trauma] Karpov SP, et al. **Sov Med** 1985;(11):97-9 (Rus)

[Intramedullary osteosynthesis with massive metal pins] Suvalian AG, et al. **Sov Med** 1985;(11):44-50 (Eng. Abstr.) (Rus)

[Plastic surgery using split skin flap in the primary surgical treatment of crural injuries] Glibin VN, et al. **Vestn Khir** 1986 May;136(5):110-4 (Eng. Abstr.) (Rus)

[Osteosynthesis with screws of closed fractures of the long bones] Nikitin GD, et al. **Vestn Khir** 1986 Feb;136(2):72-5 (Eng. Abstr.) (Rus)

THERAPY

External fixation of tibial shaft fractures with severe soft tissue injuries by Hoffmann-Vidal-Adrey osteotaxis. Rommens P, et al. **Arch Orthop Trauma Surg** 1986; 105(3):170-4

Pulmonary and cardiovascular consequences of immediate fixation or conservative management of long-bone fractures. Lozman J, et al. **Arch Surg** 1986 Sep;121(9):992-9

The Canadian experience with pulsed magnetic fields in the treatment of ununited tibial fractures. de Haas WG, et al. **Clin Orthop** 1986 Jul;(208):55-8

The effect of a change in management of displaced tibial shaft fractures. Rigid fixation versus conservative treatment. Wihlborg O. **Helv Chir Acta** 1986 Jun; 53(1-2):191-9

The treatment of fractures of the tibial plateau by skeletal traction and early mobilisation. Marwah V, et al. **Int Orthop** 1985;9(4):217-21

The treatment of diaphyseal fractures by functional bracing. Results in 36 cases. Ricciardi-Pollini PT, et al. **Ital J Orthop Traumatol** 1985 Jun;11(2):199-205

Tibial condylar fractures. A twenty-year follow-up. Lansinger O, et al. **J Bone Joint Surg [Am]** 1986 Jan; 68(1):13-9

External fixation of the tibia. Basic concepts and prospective evaluation. Behrens F, et al. **J Bone Joint Surg [Br]** 1986 Mar;68(2):246-54

Theoretical model for investigating the magnetic and electric fields produced during pulsed magnetic field therapy for nonunion of the tibia. Lunt MJ. **Med Biol Eng Comput** 1985 Jul;23(4):293-300

Percutaneous marrow injection for an ununited tibia. Connolly JF, et al. **Nebr Med J** 1986 Apr;71(4):105-7

Explosion dorsiflexion fracture-dislocation of the ankle—an indication for closed functional traction treatment. Connolly JF, et al. **Nebr Med J** 1985 Oct;70(10):374-7

Elastic stable intramedullary pinning of long bone shaft fractures in children. Ligier JN, et al. **Z Kinderchir** 1985 Aug;40(4):209-12

[Treatment of unstable fractures of the tibia and fibula by fixational traction with double pins and small wood splints—analysis of 60 cases] Jiang MX. **Chung Hsi I Chieh Ho Tsa Chih** 1985 Jul;5(7):413-5, 388 (Eng. Abstr.) (Chi)

[The use of Ender nails in fractures of the lower limb] Xu YK, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Jul; 23(7):406-8, 444 (Eng. Abstr.) (Chi)

[Improvement of the self-compression bone plate and its clinical use] Yang LM. **Chung Hua Wai Ko Tsa Chih** 1985 Jul;23(7):403-5, 444 (Eng. Abstr.) (Chi)

[Epiphysiolysis fractures of the distal part of the tibia] Hanssen LH, et al. **Ned Tijdschr Geneeskd** 1986 Jan 4; 130(1):20-4 (Eng. Abstr.) (Dut)

[Leg fractures: choice of treatment according to type of fracture] Persoons D, et al. **Acta Chir Belg** 1985 Jul-Aug; 85(4):274-8 (Eng. Abstr.) (Fre)

[Isolated fractures of the tibial diaphysis in children] Robert M, et al. **Acta Orthop Belg** 1985;51(6):935-44 (Eng. Abstr.) (Fre)

[Long-term results after conservative and surgical treatment of fractures of the distal end of the tibia] Resch H, et al. **Aktuel Traumatol** 1986 Jun;16(3):117-23 (Eng. Abstr.) (Ger)

[Experimental microangiographic studies of revascularization of fractures after sympathectomy] Kagel KO, et al. **Radiobiol Radiother (Berl)** 1985;26(4):549-55 (Eng. Abstr.) (Ger)

[Bi-bone fractures of the leg. Indications and treatment] Marsano R, et al. **Chir Ital** 1986 Feb;38(1):86-92 (Eng. Abstr.) (Ita)

[Tibial shaft fractures. Plate osteosynthesis versus non-operative treatment] Terjesen T. **Tidsskr Nor Laegeforen** 1986 May 10;106(12):1012-7 (0 ref.) (Eng. Abstr.) (Nor)

[Treatment of fractures in patients with polytrauma] Kaplan AV, et al. **Khirurgiia (Mosk)** 1985 Nov;(11):17-21 (Eng. Abstr.) (Rus)

[Effectiveness of restorative treatment of patients with fractures of the malleoli and rupture of the tibiofibular syndesmosis] Grinval'd IM, et al. **Ortop Travmatol Protez** 1985 Aug;(8):41-2 (Rus)

[Conservative treatment of fractures of the leg using early axial loading] Okhotskii VP, et al. **Sov Med** 1986;(1):33-6 (Eng. Abstr.) (Rus)

[Use of orthoses for after-care in fractures and pseudoarthroses of the lower leg] Slivka M, et al. **Acta Chir Orthop Traumatol Cech** 1986 Jul;53(4):336-43 (Eng. Abstr.) (Slo)

VETERINARY

Fractures of the tibial diaphysis in dogs and cats. Boone EG, et al. **J Am Vet Med Assoc** 1986 Jan 1;188(1):41-5

Distal tibial fractures in dogs and cats. Boone EG, et al. **J Am Vet Med Assoc** 1986 Jan 1;188(1):36-40

Closed reduction and blind cross-pinning for repair of a proximal tibial fracture in a foal. Juzwiak JS, et al. **J Am Vet Med Assoc** 1985 Oct 1;187(7):743-5

TIBIAL MENISCUS see **SEMILUNAR CARTILAGES**

TIBIAL NERVE

Neuroepithelioma (neuroblastoma) arising in an adult. A case report. Verwey J, et al. **J Cancer Res Clin Oncol** 1985; 110(2):165-9

[Results of treatment of 126 patients with neuritis of the posterior tibial nerve, 52 recent and 74 with plantar ulcers] Van Droogenbroeck JB, et al. **Acta Leprol (Geneve)** 1985 Apr-Jun;(97):163-7 (Fre)

ANATOMY & HISTOLOGY

[Morphometric evaluation of the tibial nerve on control patients] Ohnishi A, et al. **Rinsho Shinkeigaku** 1986 Apr; 26(4):425-7 (Eng. Abstr.) (Jpn)

BLOOD SUPPLY

Distribution of adrenergic innervation of blood vessels in peripheral nerve. Rechthand E, et al. **Brain Res** 1986 May 21;374(1):185-9

INJURIES

Methods for producing a reproducible crush in the sciatic and tibial nerve of the rat and rapid and precise testing of return of sensory function. Beneficial effects of melanocortins. De Koning P, et al. **J Neurol Sci** 1986 Jul; 74(2-3):237-46

[Post-traumatic pain in the lower leg and foot caused by irritation of the tibial nerve] Freising S. **Unfallchirurg** 1986 Jan;89(1):16-22 (Eng. Abstr.) (Ger)

[An experimental study on adhesion blocking in simultaneous injury of tendon and nerve] Okuda Y. **Nippon Seikeigeka Gakkai Zasshi** 1985 Nov;59(11):937-47 (Eng. Abstr.) (Jpn)

MICROBIOLOGY

An ultrastructural study of the response of traumatized rabbit tibial nerve to epineurial infection with Mycobacterium leprae. Chandi SM, et al. **Int J Lepr Other Mycobact Dis** 1986 Mar;54(1):79-83

PATHOLOGY

[Behçet's disease with mononeuritis multiplex and histological studies of the tibial nerve] Hashimoto T, et al. **Rinsho Shinkeigaku** 1986 May;26(5):455-7 (Eng. Abstr.) (Jpn)

PHYSIOLOGY

Electrophysiologic characteristics of tibial and sciatic nerves in the hen. Robertson DG, et al. **Am J Vet Res** 1986 Jun; 47(6):1378-81

Somatosensory-evoked potential induced by stimulation of the caudal tibial nerve in awake and barbiturate-anesthetized sheep. Wilson RD, et al. **Am J Vet Res** 1986 Jan;47(1):46-9

But where will I put my twitch monitor? [letter] Frank LP. **Anesth Analg** 1986 Apr;65(4):425

Somatosensory evoked potentials to posterior tibial nerve stimulation in children. Zhu Y, et al. **Brain Dev** 1986; 8(1):10-6

Schwann cell mitosis in response to regenerating peripheral axons in vivo. Pellegrino RG, et al. **Brain Res** 1985 Aug 19;341(1):16-25

Maturation of cortical potentials evoked by tibial-nerve stimulation in newborns, infants and children aged four and eight years. Cindro L, et al. **Dev Med Child Neurol** 1985 Dec;27(6):740-5

Somatosensory evoked potentials: correlations with height. Chu NS. **Electroencephalogr Clin Neurophysiol** 1986 May; 65(3):169-76

Influence of concurrent tactile stimulation on somatosensory evoked potentials following posterior tibial nerve

stimulation in man. Kakigi R, et al. **Electroencephalogr Clin Neurophysiol** 1986 Mar; 65(2):118–29

Somatosensory evoked potentials from posterior tibial nerve and lumbo–sacral dermatomes. Katifi HA, et al. **Electroencephalogr Clin Neurophysiol** 1986 Jul;65(4):249–59

The latency difference of the tibial and sural nerve SEP: peripheral versus central factors. Vogel P, et al. **Electroencephalogr Clin Neurophysiol** 1986 Jul;65(4):269–75

The anterior root response in the lumbar SEP of rat after stimulation of the tibial nerve. Hülser PJ, et al. **Electromyogr Clin Neurophysiol** 1986 Jan–Feb;26(1):49–55

Differential effects of in vitro heating on rat sciatic nerve branches and spinal nerve roots. Eliasson SG, et al. **Exp Neurol** 1986 Jul;93(1):57–66

Events in degenerating cat peripheral nerve: induction of Schwann cell S phase and its relation to nerve fibre degeneration. Pellegrino RG, et al. **J Neurocytol** 1986 Feb; 15(1):17–28

Innervation and function of hind–limb muscles in the cat after cross–union of the tibial and peroneal nerves. Gordon T, et al. **J Physiol (Lond)** 1986 May;374:429–41

Maximal regeneration distance. How far can a peripheral axon regenerate? Shibib K, et al. **Neurol Res** 1985 Dec; 7(4):177–81

Symmetric distribution in latencies of cortical somatosensory potentials evoked by right and left posterior tibial nerve stimulation in right–, left–, and mixed–handed men and women. Tan U. **Percept Mot Skills** 1986 Feb;62(1):39–47

[Analyses of the mechanism of dimefline–induced convulsive discharges in phrenic and tibial nerves] Huang Q, et al. **Sheng Li Hsueh Pao** 1985 Oct;37(5):457–62 (Eng. Abstr.) **(Chi)**

[Lumbar cord potentials evoked by stimulation of the nerves of the lower limb in man] Georgesco M, et al. **Rev Electroencephalogr Neurophysiol Clin** 1985 Jul; 15(1):13–8 (Eng. Abstr.) **(Fre)**

[Generators of somatosensory evoked potentials following leg nerve stimulation] Wiethölter H, et al. **EEG EMG** 1985 Sep;16(3):126–9 (Eng. Abstr.) **(Ger)**

[Somatosensory evoked potentials (SEPs) in lower limb stimulation] Machida M, et al. **No To Shinkei** 1985 Sep; 37(9):849–59 (48 ref.) **(Jpn)**

[Origin of the early components of somatosensory evoked potentials by the posterior tibial nerve stimulation—a comparative study of median nerve stimulation in clinical cases] Urasaki E, et al. **No To Shinkei** 1985 Oct; 37(10):945–55 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Effects of halothane on intraoperative scalp–recorded somatosensory evoked potentials to posterior tibial nerve stimulation in man. Salzman SK, et al. **Electroencephalogr Clin Neurophysiol** 1986 Jan;65(1):36–45

[Long loop reflexes—a clinically relevant method] Claus D. **Fortschr Neurol Psychiatr** 1986 Feb;54(2):35–41 (Eng. Abstr.) **(Ger)**

[Hoffmann's reflex in the evaluation of peripheral nerve fibers in alcoholism with early neurological changes] Drozdowski W. **Neurol Neurochir Pol** 1986 Jan–Feb;20(1):29–34 (Eng. Abstr.) **(Pol)**

[Neurophysiologic evaluation of the proximal part of peripheral nerves in uremic neuropathies] Ljapčev R, et al. **Srp Arh Celok Lek** 1985 May–Jun;113(5–6):389–400 (Eng. Abstr.) **(Sec)**

SURGERY

Microsurgical selective procedures in peripheral nerves and the posterior root–spinal cord junction for spasticity. Sindou M, et al. **Appl Neurophysiol** 1985;48(1–6):97–104

TIBRIC ACID see under **PIPERIDINES**

TIC

CHEMICALLY INDUCED

Neuroleptic–induced tics in two hyperactive children. Gualtieri CT, et al. **Am J Psychiatry** 1986 Sep; 143(9):1176–7

Anticonvulsant medications: an iatrogenic cause of tic disorders. Burd L, et al. **Can J Psychiatry** 1986 Jun; 31(5):419–23

Tics with combined thioridazine–methylphenidate therapy: case report. Casat CD, et al. **J Clin Psychiatry** 1986 Jan; 47(1):44–5

DIAGNOSIS

Tics and Tourette's syndrome: a review. Woody RC, et al. **J Arkansas Med Soc** 1986 Jun;83(1):53–5 (5 ref.)

Neuroacanthocytosis syndrome and choreoacanthocytosis (Levine–Critchley syndrome) [letter] Sakai T, et al. **Neurology** 1985 Nov;35(11):1679

FAMILIAL & GENETIC

Gilles de la Tourette's syndrome: tics and central nervous system stimulants in twins and nontwins. Price RA, et al. **Neurology** 1986 Feb;36(2):232–7

PHYSIOPATHOLOGY

Recurrence of childhood multiple tic in late adult life. Klawans HL, et al. **Arch Neurol** 1985 Nov;42(11):1079–80

[A case of respiratory muscle tic] Kondo T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 May; 23(5):611–5 (Eng. Abstr.) **(Jpn)**

PSYCHOLOGY

[Pleiotropic tics and early disorders of ego development] Urban H. **Z Kinder Jugendpsychiatr** 1985;13(3):241–52 (Eng. Abstr.) **(Ger)**

THERAPY

A simple and a complex tic (Gilles de la Tourette's syndrome): their response to EEG sensorimotor rhythm biofeedback training. Tansey MA. **Int J Psychophysiol** 1986 Jul;4(2):91–7

Assertiveness training in the treatment of a child's tics. Mansdorf IJ. **J Behav Ther Exp Psychiatry** 1986 Mar; 17(1):29–32

TIC DOULOUREUX see **TRIGEMINAL NEURALGIA**

TICARCILLIN see under **PENICILLINS**

TICK CONTROL

Density perturbation in populations of Amblyomma americanum (Acari: Ixodidae) in beef cattle forage areas in response to two regimens of vegetation management. Barnard DR. **J Econ Entomol** 1986 Feb;79(1):122–7

Reduced abundance of adult Ixodes dammini (Acari: Ixodidae) following destruction of vegetation. Wilson ML. **J Econ Entomol** 1986 Jun;79(3):693–6

Field observations on adult zebu bulls immunised against anaplasmosis by infection and treatment plus integrated tick control. Sannusi A, et al. **Trop Anim Health Prod** 1986 Feb;18(1):13–20

Observations on the efficacy of ivermectin in the control of cattle ticks in Zambia. Pegram RG, et al. **Vet Rec** 1985 Nov 23;117(21):551–4

ECONOMICS

Production system–based model for defining economic thresholds in preweaner beef cattle, Bos taurus, infested with the lone star tick, Amblyomma americanum (Acari: Ixodidae). Barnard DR, et al. **J Econ Entomol** 1986 Feb; 79(1):141–3

METHODS

Changes in cattle tick control practices in south eastern Queensland from 1977 to 1982. Elder JK, et al. **Aust Vet J** 1985 Jul;62(7):218–22

A convenient method for controlling populations of the American dog tick, Dermacentor variabilis (Acari: Ixodidae), in the natural environment. Sonenshine DE, et al. **J Med Entomol** 1985 Sep 20;22(5):577–83

[Basic principles in protecting workers and population of the Balkal–Amur Railroad area from ixodid ticks and blood–sucking flies] Ipatov VP. **Med Parazitol (Mosk)** 1985 Jul–Aug;(4):64–7 (Eng. Abstr.) **(Rus)**

TICK INFESTATIONS

COMPLICATIONS

[Annual evolution of the infestation of cattle with the tick Ixodes ricinus L. and infestation of these ectoparasites by Babesia divergens in Clos–du–Doubs (Jura, Switzerland)] Gern L, et al. **Schweiz Arch Tierheilkd** 1986 Jul; 128(7):361–3 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[Clinico–epidemiological characteristics of tick–borne erythema annulare] Dekonenko EP, et al. **Med Parazitol (Mosk)** 1986 May–Jun;(3):75–9 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[External therapy with metronidazole in rosacea] Glukhen'kil BT, et al. **Vestn Dermatol Venerol** 1985 Nov;(11):59–60 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Effects of tick infestation on the plaque–forming cell response to a thymic dependent antigen. Wikel SK. **Ann Trop Med Parasitol** 1985 Apr;79(2):195–8

Amblyomma americanum: physiochemical isolation of a protein derived from the tick salivary gland that is capable of inducing immune resistance in guinea pigs. Brown SJ, et al. **Exp Parasitol** 1986 Aug;62(1):40–50

Serum basophil–stimulating activity in the guinea–pig during induction of basophilic responses to ovalbumin and tick feeding. Denburg JA, et al. **Immunology** 1986 Jul; 58(3):405–10

Cross–reactive antigens between a tick, Dermacentor variabilis (Acari: Ixodidae), and a mite, Psoroptes cuniculi (Acari: Psoroptidae). denHollander N, et al. **J Med Entomol** 1986 Jan 24;23(1):44–50

Tick antigens recognized by serum from a guinea pig resistant to infestation with the tick Rhipicephalus appendiculatus. Shapiro SZ, et al. **J Parasitol** 1986 Jun;72(3):454–63

Dot–ELISA assessment of guinea pig antibody responses to repeated Dermacentor andersoni infestations. Whelen AC, et al. **J Parasitol** 1986 Feb;72(1):155–62

Differential cellular responses at Hyalomma anatolicum anatolicum feeding sites on susceptible and tick–resistant rabbits. Gill HS, et al. **Parasitology** 1985 Dec;91 (Pt 3):591–607

Ixodid–host immune interaction. Identification and characterization of relevant antigens and tick–induced host immunosuppression. Wikel SK, et al. **Vet Parasitol** 1986 Mar;20(1–3):149–74 (114 ref.)

OCCURRENCE

Seasonal incidence of Rhipicephalus sanguineus (Lat) (Acarina) on a wild host Hemiechinus auritus collaris (Gray) (Insectivora). Saxena VK, et al. **J Commun Dis** 1985 Sep;17(3):227–9

PARASITOLOGY

Histological study of the attachment sites of adult Rhipicephalus appendiculatus on rabbits and cattle. Walker AR, et al. **Int J Parasitol** 1986 Aug;16(4):399–413

Investigations into the localization of pheromone emission of male Rhipicephalus evertsi evertsi during infestation. Neitz AW, et al. **Zentralbl Veterinarmed [B]** 1986 May; 33(4):269–73

PREVENTION & CONTROL

Resistance to ixodid tick infestation induced by administration of tick–tissue culture cells. Wikel SK. **Ann Trop Med Parasitol** 1985 Oct;79(5):513–8

THERAPY

Sheep tick in the eyelid. McLeod BK. **Br J Ophthalmol** 1986 Jan;70(1):75–6

Variation on tick removal [letter] Kammholz LP. **Pediatrics** 1986 Aug;78(2):378–9

VETERINARY

Ticks of the province of Salamanca (Central/NW Spain). Prevalence and parasitization intensity in dogs and domestic ungulates. Encinas Grandes A. **Ann Parasitol Hum Comp** 1986;61(1):95–107

Discovery of the tick Haemaphysalis longicornis in Western Australia. Besier RB, et al. **Aust Vet J** 1985 Jun;62(6):205–6

Changes in cattle tick control practices in south eastern Queensland from 1977 to 1982. Elder JK, et al. **Aust Vet J** 1985 Jul;62(7):218–22

The use of ivermectin to cleanse tick infested cattle. Nolan J, et al. **Aust Vet J** 1985 Nov;62(11):386–8

Relationship between the resistance of cattle to Haemaphysalis longicornis and to Boophilus microplus. Wagland BM, et al. **Aust Vet J** 1985 Sep;62(9):308–10

The absence of an interaction between a Microtus pennsylvanicus density cycle and Dermacentor variabilis infestation levels. McEnroe WD. **Folia Parasitol (Praha)** 1986;33(2):155–6

Immunization of cattle against Boophilus microplus using extracts derived from adult female ticks: histopathology of ticks feeding on vaccinated cattle. Agbede RI, et al. **Int J Parasitol** 1986 Feb;16(1):35–41

Immunization of cattle against Boophilus microplus using extracts derived from adult female ticks: effects of induced immunity on tick populations. Johnston LA, et al. **Int J Parasitol** 1986 Feb;16(1):27–34

Immunization of cattle against Boophilus microplus using extracts derived from adult female ticks: feeding and survival of the parasite on vaccinated cattle. Kemp DH, et al. **Int J Parasitol** 1986 Apr;16(2):115–20

Ectoparasitic infestation of dogs in Bendel State, Nigeria. Ugochukwu EI, et al. **Int J Zoonoses** 1985 Dec; 12(4):308–12

Prevalence of ectoparasites of small ruminants in Nsukka, Nigeria. Ugochukwu EI, et al. **Int J Zoonoses** 1985 Dec; 12(4):313–7

Injury thresholds and production loss functions for the lone star tick, Amblyomma americanum (Acari: Ixodidae), on pastured, preweaner beef cattle, Bos taurus. Barnard DR. **J Econ Entomol** 1985 Aug;78(4):852–5

Production system–based model for defining economic thresholds in preweaner beef cattle, Bos taurus, infested with the lone star tick, Amblyomma americanum (Acari: Ixodidae). Barnard DR, et al. **J Econ Entomol** 1986 Feb; 79(1):141–3

Aspects of the humoral and cell–mediated immune responses of sheep to the ked Melophagus ovinus (Diptera: Hippoboscidae). Baron RW, et al. **J Med Entomol** 1985 Sep 20;22(5):544–9

Hyalomma (Hyalommina) arabica, the Arabian goat and sheep tick) distribution and abundance in Saudi Arabia. Al–Khalifa MS, et al. **J Med Entomol** 1986 Mar 31; 23(2):220–1

Seasonal abundance and hosts of Ixodes dammini (Acari: Ixodidae) and other ixodid ticks from an endemic Lyme disease focus in New Jersey, USA. Schulze TL, et al. **J Med Entomol** 1986 Jan 24;23(1):105–9

Ixodes pacificus (Acari: Ixodidae): population dynamics and

distribution on Columbian black-tailed deer (Odocoileus hemionus columbianus). Westrom DR, et al. **J Med Entomol** 1985 Sep 20;22(5):507–11

Intradermal infestation of a red fox (Vulpes vulpes) by the lone star tick (Amblyomma americanum). Smith DD, et al. **J Wildl Dis** 1986 Jan;22(1):122–4

Parasites of domestic and wild animals in South Africa. XIX. Ixodid ticks and fleas on rock dassies (Procavia capensis) in the Mountain-Zebra National Park. Horak IG, et al. **Onderstepoort J Vet Res** 1986 Jun;53(2):123–6

Parasites of domestic and wild animals in South Africa. XVIII. The crowned guinea fowl (Numida meleagris), an important host of immature ixodid ticks. Horak IG, et al. **Onderstepoort J Vet Res** 1986 Jun;53(2):119–22

Effects of tick infestation on Boran (Bos indicus) cattle immunised against theileriosis in an endemic area of Kenya. De Castro JJ, et al. **Res Vet Sci** 1985 Nov;39(3):279–88

Insecticides and acaricides for cattle. Loomis EC. **Vet Clin North Am Food [Food Anim Pract]** 1986 Jul; 2(2):323–8

Ticks on livestock in St. Lucia. Garris GI, et al. **Vet Parasitol** 1985 Dec;18(4):367–73

Epidemiology of theileriosis in calves in an endemic area of Kenya. Moll G, et al. **Vet Parasitol** 1986 Feb; 19(3–4):255–73

Ivermectin in tick control [letter] Giles MB. **Vet Rec** 1986 Jan 18;118(3):82

[Establishment of Rhipicephalus sanguineus (Latreille, 1806) inside houses in Belgium] Sibomana G, et al. **Ann Soc Belg Med Trop** 1986;66(1):79–81 (Fre)

TICK PARALYSIS see under **TICK TOXICOSES**

TICK TOXICOSES

ETIOLOGY

Paralysis with Ixodes cornuatus envenomation. Tibballs J, et al. **Med J Aust** 1986 Jul 7;145(1):37–8

OCCURRENCE

[Meningo-radiculo-neuropathies as a result of tick bites in the Limousin region] Desproges-Gotteron R, et al. **Bull Acad Natl Med (Paris)** 1985 Oct;169(7):987–91 (Eng. Abstr.) (Fre)

VETERINARY

Toxoid stimulation in dogs of high titres of neutralising antibodies against holocyclotoxin, the paralysing toxin of the Australian paralysis tick Ixodes holocyclus. Stone BF, et al. **Aust Vet J** 1986 Apr;63(4):125–7

Studies on the ability of different strains or populations of female Rhipicephalus evertsi evertsi (Acarina:Ixodidae) to produce paralysis in sheep. Gothe R, et al. **Onderstepoort J Vet Res** 1986 Mar;53(1):19–24

Investigations into the paralysis-inducing ability of Rhipicephalus evertsi mimeticus and that of hybrids between this subspecies and Rhipicephalus evertsi evertsi. Gothe R, et al. **Onderstepoort J Vet Res** 1986 Mar; 53(1):25–9

The efficacy of hyperimmune serum in the treatment of sweating sickness. Oberem PT, et al. **Onderstepoort J Vet Res** 1985 Dec;52(4):283–7

Changes in the protein pattern in the salivary glands of paralysis inducing female Rhipicephalus evertsi evertsi during infestation. Neitz AW, et al. **Zentralbl Veterinarmed [B]** 1986 Apr;33(3):213–20

TICKS

Erythema chronicum migrans Afzelius and acrodermatitis chronica atrophicans. Early and late manifestations of Ixodes ricinus-borne Borrelia spirochetes. Asbrink E. **Acta Derm Venereol [Suppl] (Stockh)** 1985;118:1–63 (182 ref.)

Ecology and distribution of mites. Lehtinen PT. **Allergy** 1985; 40 Suppl 3:30–3

Laboratory evaluation of six repellents against some Indian ticks. Kulkarni SM, et al. **Indian J Med Res** 1985 Jul; 82:14–8

Reinfection in erythema migrans disease. Weber K, et al. **Infection** 1986 Jan–Feb;14(1):32–5

Cutaneous and systemic cellular responses induced by the feeding of the argasid tick Ornithodoros parkeri. Johnston CM, et al. **Int J Parasitol** 1985 Dec;15(6):621–8

Ixodid tick attacks on man in Israel: medical implications. Feldman-Muhsam B. **Isr J Med Sci** 1986 Jan;22(1):19–23

Influence of deer exclusion on populations of lone star ticks and American dog ticks (Acari: Ixodidae). Bloemer SR, et al. **J Econ Entomol** 1986 Jun;79(3):679–83

American dog tick (Acari: Ixodidae), summer activity on equine premises enzootic for Potomac horse fever in south-central Maryland. Carroll JF, et al. **J Econ Entomol** 1986 Feb;79(1):62–6

The distribution of ticks of the Ornithodoros moubata complex (Ixodoidea: Argasidae) in Malawi, and its relation to African swine fever epizootiology. Haresnape JM, et al. **J Hyg (Lond)** 1986 Jun;96(3):535–44

Effect of two insect growth regulators on the camel tick, Hyalomma dromedarii (Acari: Ixodoidea: Ixodidae). Abdelmonem AE, et al. **J Med Entomol** 1986 Mar 31; 23(2):156–62

Ixodes dammini (Acari: Ixodidae) in Maryland, USA, and a preliminary survey for Babesia microti. Coan ME, et al. **J Med Entomol** 1986 Jul 28;23(4):446–53

Epidemiological models of tick-borne infections (Acari: Ixodidae and Argasidae). Goldfarb LG. **J Med Entomol** 1986 Mar 31;23(2):125–31

Dermacentor (Indocentor) atrosignatus (Acari: Ixodoidea: Ixodidae): hosts and distribution in the Malay Peninsula, Indonesia, Borneo, and southern Philippines. Hoogstraal H, et al. **J Med Entomol** 1985 Nov 27;22(6):644–7

Laboratory evaluation of commercial and experimental repellents against Ornithodoros parkeri (Acari: Argasidae). Mehr ZA, et al. **J Med Entomol** 1986 Mar 31;23(2):136–40

Pressurized sprays of permethrin or deet on military clothing for personal protection against Ixodes dammini (Acari: Ixodidae). Schreck CE, et al. **J Med Entomol** 1986 Jul 28; 23(4):396–9

Seasonal abundance and hosts of Ixodes dammini (Acari: Ixodidae) and other ixodid ticks from an endemic Lyme disease focus in New Jersey, USA. Schulze TL, et al. **J Med Entomol** 1986 Jan 24;23(1):105–9

A convenient method for controlling populations of the American dog tick, Dermacentor variabilis (Acari: Ixodidae), in the natural environment. Sonenshine DE, et al. **J Med Entomol** 1985 Sep 20;22(5):577–83

Amitraz: a tick and flea repellent and tick detachment drug. Folz SD, et al. **J Vet Pharmacol Ther** 1986 Jun;9(2):150–6

Tick-borne tularemia. An outbreak of lymphadenopathy in children. Markowitz LE, et al. **JAMA** 1985 Nov 22–29; 254(20):2922–5

Tick bites [letter] Kemp A. **Med J Aust** 1986 May 26; 144(11):615

Lyme disease. Schlesinger PA. **Minn Med** 1986 Jun; 69(6):369–70

Removing a tick. Dolan DL, et al. **NC Med J** 1985 Sep; 46(9):471

Seasonal activity and hosts of the vectors of Crimean-Congo haemorrhagic fever in South Africa. Rechav Y. **S Afr Med J** 1986 Mar 15;69(6):364–8

Some aspects of tick-borne diseases of British sheep. Brodie TA, et al. **Vet Rec** 1986 Apr 12;118(15):415–8

Lyme disease: an infectious disease which results from the bite of a certain species of tick. **Wis Med J** 1986 Jul; 85(7):14–5

Microbiological control of ticks. Ali FS, et al. **Zentralbl Mikrobiol** 1986;141(1):67–70

[Spirochetal infections following wood tick bites] Dziegiel MS. **Ugeskr Laeger** 1985 Nov 11;147(46):3667–70 (Eng. Abstr.) (Dan)

[Cerebrospinal borreliosis or Bannwarth's syndrome. A neurological infection transmitted by a wood tick] Hansen K, et al. **Ugeskr Laeger** 1985 Nov 11;147(46):3670–4 (Eng. Abstr.) (Dan)

[Polyradiculoneuritis after tick bites and the Avalon virus (letter)] Chastel C, et al. **Presse Med** 1986 Mar 1;15(9):441 (Fre)

[Atrioventricular block in meningoradiculitis caused by tick bites (letter)] Hugon J, et al. **Presse Med** 1986 Mar 29; 15(13):624 (Fre)

[Meningoradiculitis caused by a spirochete (Borrelia burgdorferi) after arthropod bite] Dupuis M, et al. **Rev Neurol (Paris)** 1985;141(12):780–5 (Eng. Abstr.) (Fre)

[Erythema migrans disease. 3 case examples with neurologic complications] Christen HJ, et al. **Monatsschr Kinderheilkd** 1985 Oct;133(10):732–7 (Eng. Abstr.) (Ger)

[Lyme disease (erythema migrans disease)] Lüdin CE, et al. **Ther Umsch** 1986 Jul;43(7):537–9 (Eng. Abstr.) (Ger)

[Lyme disease—tick-borne borreliosis in Hungary] Lakos A, et al. **Orv Hetil** 1985 Nov 3;126(44):2697–700 (Eng. Abstr.) (Hun)

[Distribution and population count of Ixodes ricinus (L.) in Prague] Daniel M, et al. **Med Parazitol (Mosk)** 1986 Mar–Apr;(2):39–43 (Eng. Abstr.) (Rus)

[Basis for the possible use of the indirect immunofluorescence reaction for the serological diagnosis of tick-borne borreliosis] Kriuchechnikov VN, et al. **Med Parazitol (Mosk)** 1985 Nov–Dec;(6):39–43 (Eng. Abstr.) (Rus)

[Effect of forest fires on the population count and spatial structure of the taiga tick (Ixodidae)] Gorelova NB, et al. **Parazitologiia** 1985 Jul–Aug;19(4):268–72 (Eng. Abstr.) (Rus)

[Characteristics of the distribution of Ixodes persulcatus in the forest-park area of Novosibirsk] Sapegina VF, et al. **Parazitologiia** 1985 Sep–Oct;19(5):370–3 (Eng. Abstr.) (Rus)

[The tick Ornithodoros papillipes count in Namangan and Andizhan Provinces and its determining factors] Vasil'eva IS, et al. **Parazitologiia** 1986 Jan–Feb;20(1):3–10 (Eng. Abstr.) (Rus)

[Historical aspects of anthropourgy in tick-borne obligate transmissible infections] Vorontsova TA. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Aug;(8):104–8 (33 ref.) (Rus)

[Tick-transmitted Borrelia spirochetosis in Sweden. Irreversible changes can appear if banal and self-healing symptoms are not treated from the onset] Asbrink E, et al. **Lakartidningen** 1985 Aug 7;82(32–33):2681–4 (Swe)

[Early penicillin treatment can prevent CNS symptoms in tick-transmitted Borrelia meningitis] Stiernstedt G, et al. **Lakartidningen** 1985 Aug 7;82(32–33):2685–7 (Swe)

[Penicillin treatment is of value in Borrelia-associated arthritis] Stiernstedt G, et al. **Lakartidningen** 1985 Aug 7; 82(32–33):2688 (Swe)

ANATOMY & HISTOLOGY

Integumentary sense organs of adult Rhipicephalus sanguineus Latreille, 1806. Nawar MS, et al. **J Egypt Soc Parasitol** 1985 Dec;15(2):597–605

The possible use of integumentary sense organs as specific diagnostic mean for larvae and nymphs of Rhipicephalus sanguineus and Rhipicephalus turanicus. Nawar MS, et al. **J Egypt Soc Parasitol** 1985 Dec;15(2):607–21

[A case of anomaly in the nymph of Ixodes ricinus (Linnaeus, 1758) (Acari: Ixodida: Ixodidae) collected in natural foci] Siuda K. **Wiad Parazytol** 1986;32(2):181–9 (Eng. Abstr.) (Pol)

CLASSIFICATION

Differentiation between three species of Amblyomma ticks (acari: Ixodidae) by analysis of cuticular hydrocarbons. Hunt LM. **Ann Trop Med Parasitol** 1986 Apr;80(2):245–9

Biochemical differentiation between species of ticks (Acari: Ixodidae). Hunt LM, et al. **Ann Trop Med Parasitol** 1985 Oct;79(5):525–32

Some criteria and concepts about the taxonomic status of Rhipicephalus sanguineus Latr. and R. turanicus Pomer. & Matik. (Ixodidae, Acarina). Bassal TT, et al. **J Egypt Soc Parasitol** 1985 Jun;15(1):237–47

Ixodes (Ixodes) pararicinus, n. sp. (Acari: Ixodoidea: Ixodidae), a South American cattle tick long confused with Ixodes ricinus. Keirans JE, et al. **J Med Entomol** 1985 Jul 26;22(4):401–7

Ornithodoros (Alectorobius) spheniscus n. sp. [Acarina: Ixodoidea: Argasidae: Ornithodoros (Alectorobius) capensis group], a tick parasite of the Humboldt penguin in Peru. Hoogstraal H, et al. **J Parasitol** 1985 Oct; 71(5):635–44

[The subspecific validity of Rhipicephalus evertsi mimeticus Donitz, 1910] Gothe R, et al. **Zentralbl Veterinarmed [B]** 1986 Feb;33(1):47–59 (Eng. Abstr.) (Ger)

[Diagnosis of species of the genus Dermacentor Koch in Siberia and the Far East by the sexually immature phases (Ixodoidea, Ixodidae)] Filippova NA, et al. **Parazitologiia** 1985 Nov–Dec;19(6):443–55 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Ixodes dammini: salivary anaphylatoxin inactivating activity. Ribeiro JM, et al. **Exp Parasitol** 1986 Oct;62(2):292–7

GENETICS

Are tick populations really less variable and should they be? Hilburn LR, et al. **Heredity (Edinburgh)** 1986 Aug;57 (Pt 1):113–7

Electrophoretically detectable protein variation in natural populations of the lone star tick, Amblyomma americanum (Acari: Ixodidae). Hilburn LR, et al. **Heredity (Edinburgh)** 1986 Aug;57 (Pt 1):67–74

Linkage relationships among 12 enzyme loci in cattle fever ticks of the genus Boophilus. Sattler PW, et al. **J Hered** 1986 Mar–Apr;77(2):119–20

Genetic similarity and variability between natural populations and laboratory colonies of North American Boophilus (Acari: Ixodidae). Sattler PW, et al. **J Parasitol** 1986 Feb; 72(1):95–100

GROWTH & DEVELOPMENT

Colonization and laboratory development of Otobius megnini (Acari: Argasidae). Wanchinga DM, et al. **J Econ Entomol** 1986 Aug;79(4):999–1002

Life cycle of Ornithodoros turicata americanus (Acari: Argasidae) in the laboratory. Beck AF, et al. **J Med Entomol** 1986 May 30;23(3):313–9

Techniques for mass rearing soft ticks (Acari: Argasidae). Endris RG, et al. **J Med Entomol** 1986 May 30;23(3):225–9

The effect of photoperiod on the development of Amblyomma triguttatum triguttatum (Acari: Ixodidae). Guglielmone AA, et al. **J Med Entomol** 1986 May 30; 23(3):274–8

Dermacentor (Indocentor) taiwanensis (Acari: Ixodoidea: Ixodidae): hosts and distribution in Taiwan and southern Japan. Hoogstraal H, et al. **J Med Entomol** 1986 May 30; 23(3):286–8

Bimodality of seasonal abundance in Ixodes dammini [letter] Main AJ Jr. **J Med Entomol** 1986 May 30;23(3):339–40

The relationship between weights of nymphal stages and subsequent development of Ornithodoros parkeri (Acari: Argasidae). Pound JM, et al. **J Med Entomol** 1986 May 30;23(3):320–5

Seasonal activity of immature Ixodes dammini (Acari: Ixodidae). Wilson ML, et al. **J Med Entomol** 1985 Jul 26; 22(4):408–14

Hyalomma (Hyalommina) arabica: nymphal and larval identity and spiny mouse hosts in Saudi Arabia (Acarina: Ixodoidea: Ixodidae). Diab FM, et al. **J Parasitol** 1985 Oct; 71(5):630–4

Development and mortality of Ornithodoros moubata after feeding through an artificial membrane. Osborne RW, et

al. **Trop Anim Health Prod** 1986 Feb;18(1):41–7

A computer simulation of the effects of specific environmental factors on the development of the sheep tick Ixodes ricinus L. Gardiner WP, et al. **Vet Parasitol** 1986 Jan;19(1–2):133–44

[Development and reproduction of Rhipicephalus evertsi mimeticus (Doniz, 1910). 2. The biology of development] Gothe R, et al. **Zentralbl Veterinarmed [B]** 1986 Mar; 33(2):133–9 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Ornithodoros moubata: host immunoglobulin G in tick hemolymph. Minoura H, et al. **Exp Parasitol** 1985 Dec; 60(3):355–63

Immunization of cattle against Boophilus microplus using extracts derived from adult female ticks: histopathology of ticks feeding on vaccinated cattle. Agbede RI, et al. **Int J Parasitol** 1986 Feb;16(1):35–41

Immunization of cattle against Boophilus microplus using extracts derived from adult female ticks: effects of induced immunity on tick populations. Johnston LA, et al. **Int J Parasitol** 1986 Feb;16(1):27–34

Immunization of cattle against Boophilus microplus using extracts derived from adult female ticks: feeding and survival of the parasite on vaccinated cattle. Kemp DH, et al. **Int J Parasitol** 1986 Apr;16(2):115–20

Cross-reactive antigens between a tick, Dermacentor variabilis (Acari: Ixodidae), and a mite, Psoroptes cuniculi (Acari: Psoroptidae). denHollander N, et al. **J Med Entomol** 1986 Jan 24;23(1):44–50

Tick antigens recognized by serum from a guinea pig resistant to infestation with the tick Rhipicephalus appendiculatus. Shapiro SZ, et al. **J Parasitol** 1986 Jun;72(3):454–63

Isolation and characterization of salivary antigens from Hyalomma anatolicum anatolicum. Gill HS, et al. **Parasite Immunol** 1986 Jan;8(1):11–25

Ixodid–host immune interaction. Identification and characterization of relevant antigens and tick–induced host immunosuppression. Wikel SK, et al. **Vet Parasitol** 1986 Mar;20(1–3):149–74 (114 ref.)

ISOLATION & PURIFICATION

Discovery of the tick Haemaphysalis longicornis in Western Australia. Besier RB, et al. **Aust Vet J** 1985 Jun;62(6):205–6

[Establishment of Rhipicephalus sanguineus (Latreille, 1806) inside houses in Belgium] Sibomana G, et al. **Ann Soc Belg Med Trop** 1986;66(1):79–81 **(Fre)**

METABOLISM

Biochemical studies on tick embryogenesis: lipovitellin and protease activity in Dermacentor andersoni (Acari: Ixodidae). Boctor FN, et al. **J Med Entomol** 1986 Jul 28; 23(4):429–32

Changes in the protein pattern in the salivary glands of paralysis inducing female Rhipicephalus evertsi evertsi during infestation. Neitz AW, et al. **Zentralbl Veterinarmed [B]** 1986 Apr;33(3):213–20

Investigations into the localization of pheromone emission of male Rhipicephalus evertsi evertsi during infestation. Neitz AW, et al. **Zentralbl Veterinarmed [B]** 1986 May; 33(4):269–73

MICROBIOLOGY

Variability of Powassan virus cultured in tissue explants and organism of Hyalomma anatolicum ticks. Khozinskaya GA, et al. **Acta Virol (Praha)** 1985 Jul;29(4):305–11

Experimental study of the reproduction of Karshi virus (Togaviridae, flavivirus) in some species of mosquitoes and ticks. Khutoretskaya NV, et al. **Acta Virol (Praha)** 1985 May;29(3):231–6

Estero real virus: a new virus isolated from argasid ticks Ornithodoros tadaridae in Cuba. Málková D, et al. **Acta Virol (Praha)** 1985 May;29(3):247–50

A comparison of the induced polypeptides and RNAs of three orbiviruses isolated from ticks (Ixodes uriae) collected in seabird colonies on the Isle of May, Scotland. Spence RP, et al. **Acta Virol (Praha)** 1986 Jan;30(1):19–24

Epidemiology of boutonneuse fever in western Sicily. Distribution and prevalence of spotted fever group rickettsial infection in dog ticks (Rhipicephalus sanguineus). Tringali G, et al. **Am J Epidemiol** 1986 Apr;123(4):721–7

Rickettsia rickettsii and Rickettsia montana from Ixodid ticks in Connecticut. Anderson JF, et al. **Am J Trop Med Hyg** 1986 Jan;35(1):187–91

Percutaneous infection of nymphal Dermacentor andersoni with Anaplasma marginale. Kocan KM, et al. **Am J Vet Res** 1986 Aug;47(8):1662–4

Longevity of colonies of Anaplasma marginale in midgut epithelial cells of Dermacentor andersoni. Kocan KM, et al. **Am J Vet Res** 1986 Aug;47(8):1657–61

Isolate of Anaplasma marginale not transmitted by ticks. Smith RD, et al. **Am J Vet Res** 1986 Jan;47(1):127–9

Characterization of orbiviruses of the Kemerovo serogroup: isolations and serological comparisons. Jacobs SC, et al. **Arch Virol** 1986;91(1–2):107–16

Proteins expressed by Mill Door/79 virus, a Kemerovo serogroup orbivirus transmitted by the ticks Ixodes uriae. Spence RP, et al. **Arch Virol** 1986;90(1–2):53–62

Spotted fever group rickettsiae in immature and adult ticks (Acari: Ixodidae) from a focus of Rocky Mountain spotted fever in Connecticut. Magnarelli LA, et al. **Can J Microbiol** 1985 Dec;31(12):1131–5

Tick–borne spirochetes as a cause of facial palsy. Asbrink E, et al. **Clin Otolaryngol** 1985 Oct;10(5):279–84

Replication of tick–borne encephalitis (TBE) virus in Ixodes ricinus ticks. Kožuch O, et al. **Folia Parasitol (Praha)** 1985; 32(4):373–5

Some diagnostic, biologic and morphologic characteristics of Francisella tularensis strains isolated from the ticks Ixodes ricinus (L.) in the Prague agglomeration. Málková D, et al. **Folia Parasitol (Praha)** 1986;33(1):87–95

Presence of common antigens, including major surface protein epitopes, between the cattle (intraerythrocytic) and tick stages of Anaplasma marginale. Palmer GH, et al. **Infect Immun** 1985 Dec;50(3):881–6

Transovarially acquired Lyme disease spirochetes (Borrelia burgdorferi) in field–collected larval Ixodes dammini (Acari: Ixodidae). Piesman J, et al. **J Med Entomol** 1986 Mar 31;23(2):219

Spirochetes in ticks and antibodies to Borrelia burgdorferi in white–tailed deer from Connecticut, New York State, and North Carolina. Magnarelli LA, et al. **J Wildl Dis** 1986 Apr;22(2):178–88

Myocarditis associated with tickborne Borrelia burgdorferi infection [letter] Hansen K, et al. **Lancet** 1986 Jun 7; 1(8493):1323–4

Epidemiology of boutonneuse fever in western Sicily: isolation of spotted fever group Rickettsiae from Rhipicephalus sanguineus (fam. Ixodidae). Tringali G, et al. **Microbiologica** 1986 Jan;9(1):81–8

Proof of transovarial transmission of Cowdria ruminantium by Amblyomma herbraeum. Bezuidenhout JD, et al. **Onderstepoort J Vet Res** 1986 Mar;53(1):31–4

A method for determining the Cowdria ruminantium infection rate of Amblyomma hebraeum: effects in mice injected with tick homogenates. Du Plessis JL. **Onderstepoort J Vet Res** 1985 Jun;52(2):55–61

The detection of antibodies to Cowdria ruminantium in serum and C. ruminantium antigen in Amblyomma hebraeum by an enzyme–linked immunosorbent assay. Neitz AW, et al. **Onderstepoort J Vet Res** 1986 Mar;53(1):39–41

Isolation of Cowdria ruminantium by means of Percoll density gradient centrifugation and detection by an enzyme–linked immunosorbent assay. Neitz AW, et al. **Onderstepoort J Vet Res** 1986 Jun;53(2):63–7

Isolation of Cowdria ruminantium by cellular affinity chromatography and detection by an enzyme–linked immunosorbent assay. Viljoen GJ, et al. **Onderstepoort J Vet Res** 1985 Dec;52(4):227–32

Experimental transmission of African swine fever virus by Ornithodoros savignyi (Audouin). Mellor PS, et al. **Res Vet Sci** 1985 Nov;39(3):353–6

Erythema chronicum migrans in Sweden: clinical manifestations and antibodies to Ixodes ricinus spirochete measured by indirect immunofluorescence and enzyme–linked immunosorbent assay. Stiernstedt G, et al. **Scand J Infect Dis** 1986;18(3):217–24

[Hares (Leporidae) and their parasitic ticks (Ixodidae) in relation to tick–borne diseases] Shen YZ. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1986 Apr; 7(2):117–20 (34 ref.) **(Chi)**

[Forécariah virus, a new representative of the Bhanja antigenic group, isolated in the Republic of Guinea] Boiro I, et al. **Bull Soc Pathol Exot Filiales** 1986;79(2):183–6 (Eng. Abstr.) **(Fre)**

[Isolation of a new orbivirus Kindia (Palyam group) from ticks Amblyomma variegatum in the Republic of Guinea] Boiro I, et al. **Bull Soc Pathol Exot Filiales** 1986; 79(2):187–90 (Eng. Abstr.) **(Fre)**

[FSME, spirochetoses and multiple sclerosis] Wacker H. **Off Gesundheitswes** 1985 Nov;47(11):583 **(Ger)**

[Effect of various biotic factors on infection of ixodid ticks with Coxiella burnetti. Report 2. Significance of strain variations of the infective agent for effective infection of ticks] Dalter AB. **Med Parazitol (Mosk)** 1985 Jul–Aug; (4):68–71 (Eng. Abstr.) **(Rus)**

[Virus–carrying ixodid ticks in the Maritime Territory] Kolonin GV, et al. **Med Parazitol (Mosk)** 1986 May–Jun; (3):79–81 (Eng. Abstr.) **(Rus)**

[Immunochemical characteristics of the antigens of a variant tick–borne encephalitis virus adapted to Hyalomma plumbeum ticks] Dzhivanian TI, et al. **Vopr Virusol** 1986 Jan–Feb;31(1):92–6 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

The presence of Theileria sergenti in Haemaphysalis longicornis overwintering in pasture in Japan. Fujisaki K, et al. **Ann Trop Med Parasitol** 1985 Oct;79(5):519–24

The maintenance and survival of Theileria annulata in colonies of Hyalomma anatolicum anatolicum. Walker AR, et al. **Ann Trop Med Parasitol** 1985 Apr;79(2):199–209

Babesia bovis infection of secretory cells in the gut of the vector tick Boophilus microplus. Agbede RI, et al. **Int J Parasitol** 1986 Apr;16(2):109–14

Quantitative studies on Theileria parva in the salivary glands of Rhipicephalus appendiculatus adults: quantitation and prediction of infection. Büscher G, et al. **Int J Parasitol** 1986 Feb;16(1):93–100

Quantitative studies on Theileria parva in the salivary glands of Rhipicephalus appendiculatus adults: search for conditions for high infections. Büscher G, et al. **Int J Parasitol** 1986 Apr;16(2):121–9

Development of Babesia microti sporozoites in adult Ixodes dammini. Piesman J, et al. **Int J Parasitol** 1986 Aug; 16(4):381–5

Effect of different methods of maintenance on the development and morphology of Babesia bigemina in the gut of Boophilus microplus. Stewart NP, et al. **Res Vet Sci** 1986 Jan;40(1):94–8

Transmission of a Trypanosoma sp. to cattle by the tick Hyalomma anatolicum anatolicum. Morzaria SP, et al. **Vet Parasitol** 1986 Jan;19(1–2):13–21

[Annual evolution of the infestation of cattle with the tick Ixodes ricinus L. and infestation of these ectoparasites by Babesia divergens in Clos–du–Doubs (Jura, Switzerland)] Gern L, et al. **Schweiz Arch Tierheilkd** 1986 Jul; 128(7):361–3 (Eng. Abstr.) **(Fre)**

[3 infecticns by trypanosomes observed in Hyalomma detritum, Ixodes ricinus and Rhipicephalus sanguineus (Acarina: Ixodidae)] Yousfi Monod R, et al. **Schweiz Arch Tierheilkd** 1986 May;128(5):243–54 (Eng. Abstr.) **(Fre)**

PATHOGENICITY

Argasid and nuttalliellid ticks as parasites and vectors. Hoogstraal H. **Adv Parasitol** 1985;24:135–238 (317 ref.)

Studies on the ability of different strains or populations of female Rhipicephalus evertsi evertsi (Acarina:Ixodidae) to produce paralysis in sheep. Gothe R, et al. **Onderstepoort J Vet Res** 1986 Mar;53(1):19–24

Investigations into the paralysis–inducing ability of Rhipicephalus evertsi mimeticus and that of hybrids between this subspecies and Rhipicephalus evertsi evertsi. Gothe R, et al. **Onderstepoort J Vet Res** 1986 Mar; 53(1):25–9

Ixodes ricinus spirochete infection as the cause of postinfectious arthritis in Sweden. Stiernstedt G, et al. **Scand J Rheumatol** 1985;14(4):336–42

PHYSIOLOGY

Diurnal detachment of immature deer ticks (Ixodes dammini) from nocturnal hosts. Mather TN, et al. **Am J Trop Med Hyg** 1986 Jan;35(1):182–6

Amblyomma americanum: physiochemical isolation of a protein derived from the tick salivary gland that is capable of inducing immune resistance in guinea pigs. Brown SJ, et al. **Exp Parasitol** 1986 Aug;62(1):40–50

Ornithodoros moubata: spermateleosis and secretory activity of the sperm. Sahli R, et al. **Exp Parasitol** 1985 Dec; 60(3):383–95

The absence of an interaction between a Microtus pennsylvanicus density cycle and Dermacentor variabilis infestation levels. McEnroe WD. **Folia Parasitol (Praha)** 1986;33(2):155–6

Histological study of the attachment sites of adult Rhipicephalus appendiculatus on rabbits and cattle. Walker AR, et al. **Int J Parasitol** 1986 Aug;16(4):399–413

Mating competitiveness of hybrid Boophilus male ticks compared to pure–strain B. annulatus and B. microplus males (Acari: Ixodidae). Davey RB. **J Med Entomol** 1986 Jul 28;23(4):433–6

Female Ornithodoros (Pavlovskyella) erraticus (Acari: Ixodoidea: Argasidae): effect of feeding. Khalil GM, et al. **J Med Entomol** 1986 Jul 28;23(4):380–3

Diurnal host seeking of adult Pacific Coast ticks, Dermacentor occidentalis (Acari: Ixodidae), in relation to vegetational type, meteorological factors, and rickettsial infection rates in California, USA. Lane RS, et al. **J Med Entomol** 1985 Sep 20;22(5):558–71

Assortative mating between Boophilus decoloratus and Boophilus microplus (Acari: Ixodidae). Norval RA, et al. **J Med Entomol** 1986 Jul 28;23(4):459–60

Physiological and biochemical changes in unfed lone star ticks, Amblyomma americanum (Acari: Ixodidae), with increasing age. Williams JP, et al. **J Med Entomol** 1986 May 30;23(3):230–5

Weight changes in individual feeding Amblyomma americanum female ticks. Hume ME, et al. **J Parasitol** 1985 Dec;71(6):836–8

Investigation into the participation of male pheromones of Rhipicephalus evertsi evertsi during infestation. Gothe R, et al. **Onderstepoort J Vet Res** 1985 Jun;52(2):67–70

Differential cellular responses at Hyalomma anatolicum anatolicum feeding sites on susceptible and tick–resistant rabbits. Gill HS, et al. **Parasitology** 1985 Dec;91 (Pt 3):591–607

Cannibalism in Aponomma lucasi Warburton (Acari: Ixodidae). Ho TM, et al. **Southeast Asian J Trop Med Public Health** 1986 Mar; 17(1):147–8

[Development and reproduction of Rhipicephalus evertsi mimeticus (Doniz, 1910). 1. The biology of reproduction] Gothe R, et al. **Zentralbl Veterinarmed [B]** 1986 Mar; 33(2):117–32 (Eng. Abstr.) **(Ger)**

[Wild ungulates as a food source for ixodid ticks in Belorussia] Savitskil BP. **Parazitologiia** 1985 Jul–Aug; 19(4):314–6 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

[Ultrastructural characteristics of the salivary glands of of the tick Ixodes persulcatus. II. Type III alveoli of the sucking female] Balashov IuS. **Parazitologiia** 1985 Sep–Oct; 19(5):365–9 (Eng. Abstr.) **(Rus)**

TICRYNAFEN see under GLYCOLATES

TIDAL VOLUME see under LUNG VOLUME MEASUREMENTS

TIETZE'S SYNDROME

DIAGNOSIS

[A case from practice (44). Patient: Z. A., born 16 September 1930, warehouse clerk] Aeschlimann A. **Schweiz Rundsch Med Prax** 1985 Dec 10;74(50):1407–8 (Ger)

[Acute form of Tietze's osteochondral syndrome with concomitant reactive pleuropneumonitis] Kriulov AA, et al. **Ter Arkh** 1985;57(8):127–8 (Rus)

DRUG THERAPY

Effects of human calcitonin on pain in the treatment of Tietze's syndrome. Ricevuti G. **Clin Ther** 1985;7(6):669–73

TILETAMINE see under CYCLOHEXANES

TILIDINE see under CYCLOHEXANECARBOXYLIC ACIDS

TILORONE see under FLUORENES

TIME

Intrinsic times in biology. Günther B, et al. **Acta Physiol Pharmacol Latinoam** 1985;35(3):349–60

Time management. Cashing in on both brains. McGee-Cooper A. **AORN J** 1986 Aug;44(2):178–83

Temporal orientation in the pre-senium and old age. Brotchie J, et al. **Br J Psychiatry** 1985 Dec;147:692–5

The effects of pacing on complex decision-making inspection performance. Coury BG, et al. **Ergonomics** 1986 Apr; 29(4):489–508

Temporal aspects of speech and the aging process. Oyer HJ, et al. **Folia Phoniatr (Basel)** 1985;37(3–4):109–12

Expectancy-related cerebral potentials associated with voluntary time estimation and omitted stimulus. Takasaka Y. **Folia Psychiatr Neurol Jpn** 1985;39(2):167–72

"Memory of the future": an essay on the temporal organization of conscious awareness. Ingvar DH. **Hum Neurobiol** 1985; 4(3):127–36 (105 ref.)

Disturbance of integral-period synchronization of cardiac and respiratory rhythms after a transmeridional flight across three time zones. Putilov AA. **Hum Physiol** 1985 Nov–Dec;11(6):383–9

Development of a tool to measure subjective time experience. Sanders SA. **Nurs Res** 1986 May–Jun;35(3):178–82

Time in therapeutic relationships: myths and realities. Bruhn JG. **South Med J** 1986 Mar;79(3):344–50

[Programmable timer, counter of cycles of variable length and external events counter] Schwartz JL, et al. **Med Biol Eng Comput** 1985 Jul;23(4):396–8 (Fre)

[Time in the medical profession] Gross R. **Schweiz Rundsch Med Prax** 1985 Nov 12;74(46):1249–50 (Ger)

[Determinant of characteristic times for biopolymers] Go N. **Tanpakushitsu Kakusan Koso** 1985 Sep;(28):14–25 (Jpn)

[Time ranges of enzyme-catalyzed reactions] Hiromi K. **Tanpakushitsu Kakusan Koso** 1985 Sep;(28):32–6 (Jpn)

[Physiological time and diffusion process] Kihara H. **Tanpakushitsu Kakusan Koso** 1985 Sep;(28):37–44 (Jpn)

[Picosecond and nanosecond fluorescence spectroscopy] Kinoshita S. **Tanpakushitsu Kakusan Koso** 1985 Sep; (28):234–8 (Jpn)

[Limitation to the time domain measurement] Kobayashi T. **Tanpakushitsu Kakusan Koso** 1985 Sep;(28):26–31 (Jpn)

[Dynamics proteins] Nagayama K. **Tanpakushitsu Kakusan Koso** 1985 Sep;(28):114–24 (22 ref.) (Jpn)

[Photochemistry of rhodopsin—picosecond–microsecond time domain] Ohtani H, et al. **Tanpakushitsu Kakusan Koso** 1985 Sep;(28):56–63 (22 ref.) (Jpn)

[Picosecond and nanosecond time-resolved spectroscopies] Ohtani H, et al. **Tanpakushitsu Kakusan Koso** 1985 Sep; (28):226–30 (Jpn)

[Biological functions and time—the loose coupling mechanism of molecular machines] Oosawa F. **Tanpakushitsu Kakusan Koso** 1985 Sep;(28):2–13 (23 ref.) (Jpn)

[Disruption of short-period synchronization of the heart rate and respiration after a transmeridional flight across 3 time zones] Putilov AA. **Fiziol Cheloveka** 1985 Nov–Dec; 11(6):915–22 (Rus)

TIME AND MOTION STUDIES see under TASK PERFORMANCE AND ANALYSIS

TIME FACTORS see under TIME

TIME PERCEPTION

Time estimation and chronopathology in endogenous depression. Richter P, et al. **Acta Psychiatr Scand** 1985 Sep; 72(3):246–53

Do perception and motor production share common timing mechanisms: a correctional analysis. Keele SW, et al. **Acta Psychol (Amst)** 1985 Dec;60(2–3):173–91

Mechanisms and asymmetries in visual perception of simultaneity and temporal order. Mitrani L, et al. **Biol Cybern** 1986;54(3):159–65

Potentials evoked by temporal deviance. Loveless NE. **Biol Psychol** 1986 Apr;22(2):149–67

Frequency selectivity and temporal resolution in normal and hearing-impaired listeners. Moore BC. **Br J Audiol** 1985 Aug;19(3):189–201 (49 ref.)

Temporal order judgments with amnesia. Hurst W, et al. **Brain Cogn** 1982 Jul;1(3):294–306

Developmental changes in the understanding of temporal sequence. Fivush R, et al. **Child Dev** 1985 Dec; 56(6):1437–46

Future time perspective in alcoholics, process and reactive schizophrenics, and normals. Murphy TJ, et al. **Int J Addict** 1985 Nov–Dec;20(11–12):1815–22

Mediators of estimates of brief time intervals in elderly domiciled males. Licht D, et al. **Int J Aging Hum Dev** 1985;21(3):211–25

The meaning of time-related concepts across the life-span: an Israeli sample. Lomranz J, et al. **Int J Aging Hum Dev** 1985;21(2):87–107

The relationship between death anxiety and the subjective experience of time in the elderly. Quinn PK, et al. **Int J Aging Hum Dev** 1985;21(3):197–210

The "life drawing" as a measure of time perspective in adulthood. Whitbourne SK, et al. **Int J Aging Hum Dev** 1985–86;22(2):147–55

Temporal organization and hypnotic amnesia using a modification of the Harvard Group Scale of Hypnotic Susceptibility. Radtke HL, et al. **Int J Clin Exp Hypn** 1986 Jan;34(1):41–54

Attentional versus absorptive processing in hypnotic time estimation. St Jean R, et al. **J Abnorm Psychol** 1986 Feb; 95(1):40–2

Temporal integration in two species of Old World monkeys: blue monkeys (Cercopithecus mitis) and grey-cheeked mangabeys (Cercocebus albigena). Brown CH, et al. **J Acoust Soc Am** 1986 Apr;79(4):1058–64

Differential use of temporal cues to the /s/–/z/ contrast by native and non-native speakers of English. Flege JE, et al. **J Acoust Soc Am** 1986 Feb;79(2):508–17

Discriminated interresponse times: role of autoshaped responses. Palmer DC, et al. **J Exp Anal Behav** 1985 Nov; 44(3):301–13

Temporal integration in duration and number discrimination. Meck WH, et al. **J Exp Psychol [Anim Behav]** 1985 Oct; 11(4):591–7

On marching to two different drummers: perceptual aspects of the difficulties. Klapp ST, et al. **J Exp Psychol [Hum Percept]** 1985 Dec;11(6):814–27

Temporal hyperacuity in the electric sense of fish. Rose G, et al. **Nature** 1985 Nov 14–20;318(6042):178–80

Effects of ambient noise on time estimation by humans. Delay ER, et al. **Percept Mot Skills** 1985 Oct;61(2):415–9

Stevens' power law and time perception: effect of filled intervals, duration of the standard, and number of presentations of the standard. Kane LS, et al. **Percept Mot Skills** 1986 Feb;62(1):35–8

Time: a speeding train or wind-driven sand? The estimation of fixed temporal intervals as related to images of time. Krus DJ, et al. **Percept Mot Skills** 1986 Jun;62(3):936–8

Subjective time and perceptual skill. Wixen BD. **Percept Mot Skills** 1986 Jun;62(3):873–4

Memory mechanisms and the psychophysical scaling of duration. Waterworth JA. **Perception** 1985;14(1):81–92

Time budgets in growing chicks. Hill WL, et al. **Physiol Behav** 1986;37(2):353–60

DRUG EFFECTS

[Schizophrenically disordered time perception and its modification by neuroleptics] Heim M, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1985 Jul;37(7):410–5 (Eng. Abstr.) (Ger)

PHYSIOLOGY

Contingent negative variation in processes of expectancy, motor preparation and time estimation. Macar F, et al. **Biol Psychol** 1985 Dec;21(4):293–307

Hemispheric differences in temporal resolution. Hammond GR. **Brain Cogn** 1982 Jan;1(1):95–118 (73 ref.)

A time-comparison circuit in the electric fish midbrain. II. Functional morphology. Carr CE, et al. **J Neurosci** 1986 May;6(5):1372–83

Role of the hippocampus in delayed spatial choice and differentiation of time intervals in Macaca rhesus. Moiseeva LA. **Neurosci Behav Physiol** 1986 Jan–Feb;16(1):72–6

Neuropharmacologic analysis of dopaminergic, cholinergic, and GABAergic brain systems in organizing the reflex to time. Mukhin EI. **Neurosci Behav Physiol** 1986 May–Jun; 16(3):215–22

The effects of exposure to red and blue light on physiological indices and time estimation. Caldwell JA, et al. **Perception** 1985;14(1):19–29

Effects of spinal lesions on temporal resolution of cutaneous sensations. Vierck CJ Jr, et al. **Somatosens Res** 1985; 3(1):45–56

[Temporal parameters of human perception of tactile signals] Borodin AS, et al. **Fiziol Cheloveka** 1986 May–Jun; 12(3):407–13 (Rus)

[Galvanic skin response during the estimation of a 1-minute interval of time] Raevskaia OS, et al. **Fiziol Cheloveka** 1985 Sep–Oct;11(5):744–9 (Rus)

[Time perception in depressive states] Kut'ko II, et al. **Vrach Delo** 1985 Sep;(9):99–101 (Eng. Abstr.) (Rus)

[Dynamics of cortical evoked activity during human learning to discriminate microintervals of time using feedback] Kostandov EA, et al. **Zh Vyssh Nerv Deiat** 1985 Sep–Oct; 35(5):833–41 (Eng. Abstr.) (Rus)

[Participation of the caudate nucleus in estimating time intervals and space-time differentiation in the rat] Mering TA, et al. **Zh Vyssh Nerv Deiat** 1985 Nov–Dec;35(6):1166–8 (Rus)

[Effect of the duration of a reproducible interval on reaction time in man] Smirnov AG, et al. **Zh Vyssh Nerv Deiat** 1985 Jul–Aug;35(4):635–40 (Eng. Abstr.) (Rus)

TIMED-RELEASE PREPARATIONS see DELAYED-ACTION PREPARATIONS

TIMED VITAL CAPACITY see FORCED EXPIRATORY VOLUME

TIMOLOL

ADMINISTRATION & DOSAGE

A study of the efficacy of two commercial preparations of timolol maleate with special reference to side effects. Uusitalo RJ, et al. **Acta Ophthalmol (Copenh)** 1985 Dec; 63(6):634–41

Comparison of two treatment schedules for combined timolol and dipivefrin therapy. Tsoy EA, et al. **Am J Ophthalmol** 1986 Sep 15;102(3):320–4

[Local beta blockaders in pregnancy] Blaul G. **Klin Monatsbl Augenheilkd** 1985 Jul;187(1):57–9 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

The effect of topical ophthalmic instillation of timolol and betaxolol on lung function in asthmatic subjects. Dunn TL, et al. **Am Rev Respir Dis** 1986 Feb;133(2):264–8

Timolol ophthalmic solution and respiratory arrest [letter] Botet C, et al. **Ann Intern Med** 1986 Aug;105(2):306–7

Bradycardia induced by interaction between quinidine and ophthalmic timolol. Dinai Y, et al. **Ann Intern Med** 1985 Dec;103(6 (Pt 1)):890–1

Severe hyperkalemia as a complication of timolol, a topically applied beta-adrenergic antagonist. Swenson ER. **Arch Intern Med** 1986 Jun;146(6):1220–1

Timolol-induced vasomotor rhinitis: a new iatrogenic syndrome [letter] Kaufman HS. **Arch Ophthalmol** 1986 Jul; 104(7):967, 970

Sinus arrest due to timolol eye drops. Treseder AS, et al. **Br J Clin Pract** 1986 Jun;40(6):256–8

Allergic contact dermatitis to timolol. Fernandez-Vozmediano JM, et al. **Contact Dermatitis** 1986 Apr;14(4):252

Contact dermatitis by timolol. Romaguera C, et al. **Contact Dermatitis** 1986 Apr;14(4):248

Severe mixed acidosis by combined therapy with acetazolamide and timolol eyedrops. Boada JE, et al. **Eur J Respir Dis** 1986 Mar;68(3):226–8

Sexual dysfunction and ocular timolol [letter] Katz IM. **JAMA** 1986 Jan 3;255(1):37–8

[Evaluation of the systemic effects of timolol maleate in eye drops] Hugues FC, et al. **J Fr Ophtalmol** 1985;8(5):389–94 (Eng. Abstr.) (Fre)

[Ultrastructural studies of the conjunctival surface following long-term treatment with timolol] Varga M, et al. **Fortschr Ophthalmol** 1986;83(2):155–7 (Eng. Abstr.) (Ger)

[A population study of the poor metabolizers of the debrisoquine type in Japan] Hayashi M, et al. **Nippon Ganka Gakkai Zasshi** 1985 Aug;89(8):983–90 (Eng. Abstr.) (Jpn)

ANALYSIS

Timolol in aqueous humour after topical administration. A pilot study. Marén N, et al. **Acta Ophthalmol (Copenh)** 1985 Aug;63(4):415–7

METABOLISM

Beta-adrenergic receptors in the elderly are not less sensitive to timolol. Klein C, et al. **Clin Pharmacol Ther** 1986 Aug; 40(2):161–4

Pharmacokinetics and beta-blocking effects of timolol in poor and extensive metabolizers of debrisoquin. McGourty JC, et al. **Clin Pharmacol Ther** 1985 Oct;38(4):409–13

PHARMACODYNAMICS

The effect of ocular pigmentation on intraocular pressure response to timolol. Salminen L, et al. **Acta Ophthalmol [Suppl] (Copenh)** 1985;173:15–8

Sympathetic influence on the normal Eustachian tube. An experimental study in the rat. Svane-Knudsen V, et al. **Acta Otolaryngol (Stockh)** 1986 Mar–Apr;101(3–4):263–8

Cardiovascular effects of ophthalmic timolol. Leier CV, et al. **Ann Intern Med** 1986 Feb;104(2):197–9

Bronchial beta-adrenoceptor blockade following eyedrops

of timolol and its isomer L-714,465 in normal subjects. Richards R, et al. **Br J Clin Pharmacol** 1985 Nov; 20(5):459–62

Cellular lipid accumulation in different regions of myocardial infarcts in cats during beta adrenergic blockade with timolol. Grong K, et al. **Cardiovasc Res** 1986 Apr; 20(4):248–55

Effect of autonomic mediators in recurrent shedding of herpes simplex in the rabbit eye. Zhang WH, et al. **Curr Eye Res** 1986 Feb;5(2):79–84

Effects of timolol, epinephrine, and acetazolamide on aqueous flow during sleep. Topper JE, et al. **Invest Ophthalmol Vis Sci** 1985 Oct;26(10):1315–9

Pharmacokinetics, mechanisms of action, indications, and adverse effects of timolol maleate, a nonselective beta-adrenoreceptor blocking agent. Dunn FG, et al. **Pharmacotherapy** 1981 Nov–Dec;1(3):188–200

[The effect of adrenaline, pilocarpine and timolol on axoplasmic transport in the optic nerve. II. Findings in eyes with increased intraocular pressure] Brožek B, et al. **Cesk Oftalmol** 1985 Feb;41(1):17–9 (Eng. Abstr.) **(Cze)**

[The effect of adrenaline, pilocarpine and timolol on axoplasmic transport in the optic nerve. I. Findings in normotensive eyes] Brožek B, et al. **Cesk Oftalmol** 1985 Feb;41(1):13–6 (Eng. Abstr.) **(Cze)**

[Evaluation of the effectiveness of beta blockers on the eye] Hendrickson P, et al. **Klin Monatsbl Augenheilkd** 1985 Jun; 186(6):498–9 (Eng. Abstr.) **(Ger)**

[The effect of d-timolol on intraocular pressure in the normal subjects] Sugiyama K, et al. **Nippon Ganka Gakkai Zasshi** 1986 Jun;90(6):866–70 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Reduction of the pyrexial response to acute myocardial infarction by beta-adrenoceptor blockade. Risgø C, et al. **Acta Med Scand** 1986;219(3):271–4

Timolol and aceclidine. A clinical study of interaction in the eye. van der Pol BA, et al. **Acta Ophthalmol (Copenh)** 1985 Aug;63(4):411–4

Repeated exercise and redistribution thallium-201 scintigrams in patients with myocardial infarction treated with timolol or placebo. Ericsson CG, et al. **Am Heart J** 1986 May; 111(5):916–22

Relative effects of propranolol and timolol on ventricular fibrillation threshold and hemodynamics in the dog. Nanas JN, et al. **Am Heart J** 1986 Jun;111(6):1094–100

Circulating catecholamine and potassium concentrations early in acute myocardial infarction: effect of intervention with timolol. Nordrehaug JE, et al. **Am Heart J** 1985 Nov; 110(5):944–8

Acute myocardial infarct size reduction by timolol administration. The International Collaborative Study Group. **Am J Cardiol** 1986 Apr 25;57(12):28F–33F

Effect of timolol on mortality and reinfarction after acute myocardial infarction: prognostic importance of heart rate at rest. Gundersen T, et al. **Am J Cardiol** 1986 Jul 1; 58(1):20–4

A double-masked comparison of betaxolol vs timolol in the treatment of open-angle glaucoma. Allen RC, et al. **Am J Ophthalmol** 1986 May 15;101(5):535–41

Overcorrected visual acuity improved by antiglaucoma medication after radial keratotomy. Busin M, et al. **Am J Ophthalmol** 1986 Mar 15;101(3):374–5

Bilateral effects of monocular timolol treatment. Shin DH. **Am J Ophthalmol** 1986 Aug 15;102(2):275–6

Clinical experience with timolol maleate monotherapy of hypertension. Bannon JA, et al. **Arch Intern Med** 1986 Apr; 146(4):654–7

Betaxolol vs timolol. A six-month double-blind comparison. Stewart RH, et al. **Arch Ophthalmol** 1986 Jan;104(1):46–8

Effect of timolol on aqueous humor protein concentration in the human eye. Stur M, et al. **Arch Ophthalmol** 1986 Jun;104(6):899–900

Effect of timolol on changes in serum potassium concentration during acute myocardial infarction [letter] Mikhailidis DP, et al. **Br Heart J** 1986 Jan;55(1):113

A blind randomised cross-over trial comparing metipranolol 0.3% with timolol 0.25% in open-angle glaucoma: a pilot study. Mills KB, et al. **Br J Ophthalmol** 1986 Jan; 70(1):39–42

Timolol and pilocarpine are hypotensive in light-induced avian glaucoma. Lauber JK, et al. **Can J Ophthalmol** 1985 Jun;20(4):147–52

Timolol: long-term Canadian multicentre study. LeBlanc RP, et al. **Can J Ophthalmol** 1985 Jun;20(4):128–30

Postmarketing study of timolol-hydrochlorothiazide antihypertensive therapy. Bannon JA, et al. **Clin Ther** 1985; 8(1):76–83

Timolol and intra-ocular pressure elevation following neodymium: YAG laser surgery. Stilma JS, et al. **Doc Ophthalmol** 1986 Jan 15;61(3-4):233–9

Timolol maleate and HDL cholesterol after myocardial infarction. Gundersen T, et al. **Eur Heart J** 1985 Oct; 6(10):840–4

Timolol-related reduction in mortality and reinfarction in diabetic patients surviving acute myocardial infarction. Gundersen T, et al. **Horm Metab Res [Suppl]** 1985;15:58–60

Once daily timolol in the prophylaxis of angina pectoris. Given-Wilson R, et al. **Int J Cardiol** 1985 Oct;9(2):191–8

Therapeutic and systemic side effects of ocular beta-adrenergic antagonists in anesthetized dogs. Svec AL, et al. **Invest Ophthalmol Vis Sci** 1986 Mar;27(3):401–5

Dilutional hyponatraemia masquerading as subarachnoid haemorrhage in patient on hydrochlorothiazide/amiloride/timolol combined drug [letter] Benfield GF, et al. **Lancet** 1986 Aug 9;2(8502):341

Six-year follow-up of the Norwegian multicenter study on timolol after myocardial infarction [letter] Bellin EY. **N Engl J Med** 1986 Apr 17;314(16):1052

Six-year follow-up of the Norwegian Multicenter Study on Timolol after Acute Myocardial Infarction. Pedersen TR. **N Engl J Med** 1985 Oct 24;313(17):1055–8

Timolol and guanethidine plus adrenaline in combination in the treatment of chronic open angle glaucoma. Mills KB, et al. **Trans Ophthalmol Soc UK** 1985;104 (Pt 6):621–4

[The effect of long-term administration of beta blockers and pilocarpine on the permeability of blood vessels in the iris as seen in fluoroangiography] Boguszaková J, et al. **Cesk Oftalmol** 1985 Sep;41(5):299–304 (Eng. Abstr.) **(Cze)**

[Timolol and functional perimetric prognosis of primary open-angle glaucoma] Demailly P, et al. **J Fr Ophtalmol** 1985;8(5):383–8 (Eng. Abstr.) **(Fre)**

[Value of beta-blockers in the treatment of idiopathic intracranial hypertension (physiopathogenetic basis)] Salvanet-Bouccara A, et al. **J Fr Ophtalmol** 1985; 8(8–9):535–9 (Eng. Abstr.) **(Fre)**

[Pressure lowering effect and side effects of 0.5% and 1.0% levobunolol eyedrops, compared with 0.5% timolol eyedrops in patients with open-angle glaucoma] Stryz JR, et al. **Klin Monatsbl Augenheilkd** 1985 Dec;187(6):537–44 (Eng. Abstr.) **(Ger)**

TIN

Gamma radioactivity level in Sn slag dumps. Chong CS, et al. **Health Phys** 1985 Nov;49(5):1008–10

Radium-226 and 232Th concentration in amang. Hu SJ, et al. **Health Phys** 1985 Nov;49(5):1003–7

Transparent indium-tin oxide electrode patterns for extracellular, multisite recording in neuronal cultures. Gross GW, et al. **J Neurosci Methods** 1985 Nov–Dec; 15(3):243–52

Effect of Sn(II) ion concentration and heparin on technetium-99m red blood cell labeling. Rao SA, et al. **J Nucl Med** 1986 Jul;27(7):1202–6

Tin and copper release related to charge transfer between short-circuited amalgam and gold alloy electrodes. Johansson BI. **Scand J Dent Res** 1986 Jun;94(3):259–66

[Experimental studies of inducing lung cancer by Yunnan tin mine powder and mine powder plus radon inhalation on hamsters] Huang R. **Chung-hua Ping Li Hsueh Tsa Chih** 1985 Sep;14(3):189–93 (Eng. Abstr.) **(Chi)**

ANALYSIS

[Determination of tin compounds in the atmosphere by inversion volt-amperometry] Rolzenblat EM, et al. **Gig Sanit** 1986 Apr;(4):62–3 **(Rus)**

DIAGNOSTIC USE

Unilateral hydrothorax complicating continuous ambulatory peritoneal dialysis: demonstration by 99m-technetium-tin-colloid scintigraphy. Paramsothy M, et al. **Australas Radiol** 1985 Nov;29(4):311–4

Inorganic phosphate assay with the ascorbic acid or stannous chloride method: influence of fluoride. v.d. Linden AH, et al. **Caries Res** 1986;20(1):17–23

Diffuse lung uptake of technetium-99m tin colloid in heat stroke. Case report. Tonami N, et al. **Clin Nucl Med** 1985 Nov;10(11):769–71

The prevention of adhesion of 99mTc-tin (II) colloid to glass surfaces. Roberts NK, et al. **Eur J Nucl Med** 1985; 11(2–3):90

The development and in-vivo behavior of tin containing radiopharmaceuticals—II. Autoradiographic and scintigraphic studies in normal animals and in animal models of bone disease. Oster ZH, et al. **Int J Nucl Med Biol** 1985;12(3):175–84

Evaluation of radiocolloids as thrombus imaging agents. Effect of particle size on thrombus uptake. Rosenthal SN, et al. **Int J Nucl Med Biol** 1985;12(5):375–80

The development and in-vivo behavior of tin containing radiopharmaceuticals—I. Chemistry, preparation, and biodistribution in small animals. Srivastava SC, et al. **Int J Nucl Med Biol** 1985;12(3):167–74

Tc-99m-Sn colloid dynamic and static scintigraphic evaluation of patients with portal hypertension. Kamal S, et al. **Kaku Igaku** 1986 Apr;23(4):389–95

Normal volunteer studies with modified 99Tcm tin colloid. Clarke MB, et al. **Nucl Med Commun** 1985 Oct;6(10):641–8

A comparison of 111In-labelled polymer beads and 99mTc-Sn-colloid as solid food and semi-solid food tracers for scintigraphic gastric emptying studies. Dormehl IC, et al. **Nuklearmedizin** 1986 Apr;25(2):50–4

Clinical significance of lung uptake in liver scanning. Lantto T, et al. **Nuklearmedizin** 1986 Feb;25(1):15–8

[Demonstration and localization of hemorrhage in the intestinal tract. Comparison between 99mTc-colloid scintigraphy and selective angiography of the visceral vessels] Wetzel E, et al. **Dtsch Med Wochenschr** 1986 Feb 7;111(6):203–6 (Eng. Abstr.) **(Ger)**

[Lymphoscintigraphy. Comparison of 2 microcolloids labeled with Tc99m] Ciambellotti E, et al. **Minerva Med** 1986 Mar 10;77(9–10):313–6 (Eng. Abstr.) **(Ita)**

METABOLISM

Tin concentration in the thymus glands of rats and mice and its relation to the involution of the gland. Sherman LR, et al. **J Anal Toxicol** 1986 Jan–Feb;10(1):6–9

Dose-dependent brain tin concentration in rats given stannous chloride in drinking water. Savolainen H, et al. **Toxicol Lett** 1986 Jan;30(1):35–9

PHARMACODYNAMICS

Tryptophan pyrrolase in heme metabolism. Comparative actions of inorganic tin and cobalt and their protoporphyrin chelates on tryptophan pyrrolase in liver. Sardana MK, et al. **Biochem Pharmacol** 1986 Feb 1;35(3):473–8

Interaction of tin and zinc in some processes of heme biosynthesis in rabbits. Zareba G, et al. **Ecotoxicol Environ Safety** 1986 Apr;11(2):144–52

Scanning electron microscope and electron microprobe study of reactions of stannous fluoride and stannous chloride with dental enamel. Ellingsen JE. **Scand J Dent Res** 1986 Aug; 94(4):299–305

TOXICITY

Metabolic activity of lysosomes in tin-intoxicated regenerating rat liver. Dwivedi RS, et al. **Toxicol Lett** 1985 Nov;28(2–3):133–8

[Acute action of inorganic tin compounds examined for the purpose of hygienic standardization] Bessmertnyĭ AN, et al. **Gig Sanit** 1986 Jun;(6):82 **(Rus)**

TIN FLUORIDES see under **FLUORIDES**

TIN POLYPHOSPHATES see under **POLYPHOSPHATES**

TINEA

Ultrastructural studies on experimental hair infections in vitro caused by Trichophyton mentagrophytes and Trichophyton rubrum. Kaaman T, et al. **Acta Derm Venereol (Stockh)** 1985;65(6):536–9

BLOOD

[Analysis of changes in the functional activity of neutrophils in patients with different clinical forms of zooanthroponotic trichophytoses] Medvedev IuA, et al. **Vestn Dermatol Venerol** 1986;(2):69–72 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Darier's disease complicated by Trichophyton rubrum infection [letter] Tatnall FM, et al. **Arch Dermatol** 1986 Jun;122(6):623

Tinea in a site of healed herpes zoster (isoloci response?) [letter] Wolf R, et al. **Int J Dermatol** 1985 Oct;24(8):539

DIAGNOSIS

Dermatomycosis in southeast Rajasthan. Dalal AS, et al. **J Indian Med Assoc** 1985 Jun;83(6):197–9

Tinea faciale mimicking seborrheic dermatitis in a patient with AIDS [letter] Perniciaro C, et al. **N Engl J Med** 1986 Jan 30;314(5):315–6

DRUG THERAPY

Current treatment of dermatophytoses. Hay RJ. **Acta Derm Venereol [Suppl] (Stockh)** 1986;121:117–23

Consensus of the role and positioning of the imidazoles in the treatment of dermatophytosis. Jones HE. **Acta Derm Venereol [Suppl] (Stockh)** 1986;121:139–46

Treatment of tinea corporis or tinea cruris with bifonazole 1% gel: an open, multicentre study. Belli L, et al. **Pharmatherapeutica** 1985;4(2):106–8

Superficial mycoses. Therapeutic agents and clinical applications. Griffith ML, et al. **Postgrad Med** 1986 Jan; 79(1):151–6, 161

[Observation of a case of dermatomycosis over a 25-year period. A contribution to the discussion of the concept of griseofulvin resistance] Kamp W, et al. **Mykosen** 1986 May;29(5):210–20 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Majocchi's granuloma (due to therapy with steroid and occlusion). Jacobs PH. **Cutis** 1986 Jul;38(1):23

Tinea corporis overlying the thyroid gland after radioiodine (131I) treatment of Graves' disease. Moreno AJ, et al. **Cutis** 1986 Apr;37(4):271–3

[Kerion-like tinea barbae caused by Epidermophyton floccosum] Difonzo EM, et al. **Mykosen** 1985 Aug; 28(8):365–8 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Cell-mediated immunity in the immunopathogenesis of dermatophytosis. Jones HE. **Acta Derm Venereol [Suppl] (Stockh)** 1986;121:73–83

Trichophyton rubrum specific IgE in serum in patients with chronic T. rubrum infection as demonstrated by crossed

radio-immuno-electrophoresis. Svejgaard E, et al. **Acta Derm Venereol [Suppl] (Stockh)** 1985;120:72-5
Humoral antibody responses in the immunopathogenesis of dermatophytosis. Svejgaard E. **Acta Derm Venereol [Suppl] (Stockh)** 1986;121:85-91
The inhibitory effect of PUVA on the immunity of experimental dermatophytosis in guinea pigs. Okuwa T, et al. **Arch Dermatol Res** 1986;278(4):320-3
Tinea imbricata. The factors affecting persistent dermatophytosis. Hay RJ. **Int J Dermatol** 1985 Nov; 24(9):562-4
Polymorphonuclear leukocytes, complement, and Trichophyton rubrum. Dahl MV, et al. **J Invest Dermatol** 1986 Feb;86(2):138-41
Immunologic properties of a fraction of Trichophyton rubrum with affinity to concanavalin A. Svejgaard E. **J Med Vet Mycol** 1986 Aug;24(4):271-80
Phagocytosis and intracellular killing of Trichophyton mentagrophytes microconidia by polymorphonuclear leucocytes in patients with tinea infections and controls. Skořepová M, et al. **Mykosen** 1985 Oct;28(10):485-9
[Developmental mechanisms of the cutaneous immune response in Trichophyton rubrum infection] Lestschenko WM, et al. **Mykosen** 1986 Jul;29(7):329-36 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Studies on the parasitic forms of Trichophyton rubrum isolated from patients with granuloma trichophyticum using the "agar-implantation method"Nishiyama C, et al. **J Dermatol (Tokyo)** 1985 Aug;12(4):325-8
[Inactivation of the agents of anthroponotic and zoonotic trichophytosis by polymorphonuclear leukocytes] Medvedev IuA, et al. **Vestn Dermatol Venerol** 1985 Oct; (10):72-4 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Incidence of dermatophyte infection. Jacobs PH. **Cutis** 1986 Aug;38(2):90
Dermatophytes in Iceland. Mooney E. **Int J Dermatol** 1986 Jun;25(5):305-6
Multicenter study of dermatophyte distribution in the metropolitan area of Barcelona (Catalonia, Spain). Torres-Rodríguez JM, et al. **Mycopathologia** 1986 Feb; 93(2):95-7
Epidemiology of the mycotic flora in Kuwait. Kubec K, et al. **Mykosen** 1986 Feb;29(2):71-5
Dermatophytosis in children and adolescents: epidemiological study in the city of Barcelona, Spain. Martínez-Roig A, et al. **Mykosen** 1986 Jul;29(7):311-5
Clinico-mycological study of dermatomycoses in Madras (India). Sundaram BM, et al. **Mykosen** 1986 May; 29(5):230-4
[Analysis of the occurrence of dermatophytes and skin infections caused by dermatophytes in the Slovak Socialist Republic in a 15-year period (1969-1983)] Buchvald J, et al. **Mykosen** 1986 Jul;29(7):323-6 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Tinea in tiny tots. Jacobs AH, et al. **Am J Dis Child** 1986 Oct;140(10):1034-8
Tinea of the penis. A rare occurrence? Palleschi GM, et al. **Int J Dermatol** 1986 Jan-Feb;25(1):52-3
Tinea infection histologically simulating eosinophilic pustular folliculitis. Kuo TT, et al. **J Cutan Pathol** 1986 Apr; 13(2):118-22
[Tinea manuum. Report of 13 cases] Wanke NC, et al. **Med Cutan Ibero Lat Am** 1985;13(6):497-501 (Eng. Abstr.) **(Por)**

THERAPY

[Blocking action of the serum of patients with rubromycosis after different methods of differentiated therapy] Fedotov VP. **Vestn Dermatol Venerol** 1985 Dec;(12):18-22 (Eng. Abstr.) **(Rus)**

TRANSMISSION

Tinea faciei x 3: cherchez le chat. Smally AJ, et al. **Hosp Pract [Off]** 1986 Jan 15;21(1):118Z
Zoonotic dermatophytosis (ringworm) [letter] Pepin GA, et al. **Vet Rec** 1986 Jan 25;118(4):110-1

VETERINARY

Dermatophytosis of camels. Kuttin ES, et al. **J Med Vet Mycol** 1986 Aug;24(4):341-4
Study on the evaluation of the use of thiabendazole in the treatment and control of bovine dermatophytosis. Gabal MA. **Mycopathologia** 1986 Mar;93(3):163-8
Ringworm outbreak [letter] Pepin GA, et al. **Vet Rec** 1986 Apr 12;118(15):434-5
Skin lesions in horses [letter] Sutton DJ, et al. **Vet Rec** 1986 Jan 4;118(1):27-8
[Testing the protective effectiveness of avirulent vaccines against trichophytosis in cattle] Rybníkář A, et al. **Vet Med (Praha)** 1986 Apr;31(4):219-26 (Eng. Abstr.) **(Cze)**
[The effectiveness of LTF 130 Trichophyton vaccine under field conditions] Spanoghe L, et al. **Tijdschr Diergeneeskd** 1985 Dec 1;110(23):1011-4 (Eng. Abstr.) **(Dut)**
[Clinical evaluation of diethanolamine in the treatment of trichophytosis in a young fattening animal] Kubis A, et al. **Mykosen** 1986 Feb;29(2):85-8 (Eng. Abstr.) **(Ger)**
[An outbreak of Trichophyton mentagrophytes infection in a rat breeding stock and its successful control] Mizoguchi J, et al. **Jikken Dobutsu** 1986 Apr;35(2):125-30 (Eng. Abstr.) **(Jpn)**

TINEA CAPITIS

DIAGNOSIS

The diagnosis and treatment of tinea capitis due to Trichophyton tonsurans. Rudolph AH. **Int J Dermatol** 1985 Sep;24(7):426-31
Moistened gauze technic to aid in diagnosis of tinea capitis [letter] Borchers SW. **J Am Acad Dermatol** 1985 Oct; 13(4):672-3

MICROBIOLOGY

[Course of the dermatophytic spectrum in tinea capitis. Apropos of 124 cases seen in Bordeaux] Maleville J, et al. **Ann Dermatol Venereol** 1986;113(1):25-9 (Eng. Abstr.) **(Fre)**
[Tinea capitis. Apropos of 124 cases observed in Bordeaux (letter)] Maleville J, et al. **Arch Fr Pediatr** 1986 Feb; 43(2):148 **(Fre)**

OCCURRENCE

Tinea capitis among children of Ethiopian immigrants. Wolf R, et al. **J Med Vet Mycol** 1986 Feb;24(1):85-6
Incidence of dermatophytosis in Jordan with special reference to tinea capitis. Shtayeh MS, et al. **Mycopathologia** 1985 Oct;92(1):59-62
Tinea capitis in school children in Eastern Nigeria. Gugnani HC, et al. **Mykosen** 1986 Mar;29(3):132-40
A recent survey of tinea capitis in Jordanian children [letter] Shehabi A, et al. **Trans R Soc Trop Med Hyg** 1986; 80(1):163-4
[Detection of Trichophyton soudanense in Austria] Sommeregger K, et al. **Mykosen** 1985 Nov;28(11):553-8 (Eng. Abstr.) **(Ger)**

RADIOTHERAPY

[Malignant degeneration of radiodermatitis of the scalp after radiotherapy for tinea. Apropos of 10 lesions] Ben Hamla A, et al. **Ann Chir Plast Esthet** 1985;30(4):335-7 (Eng. Abstr.) **(Fre)**

TRANSMISSION

Infectious alopecia in a child day-care center [letter] Snowden MS, et al. **JAMA** 1985 Dec 6;254(21):3038

TINEA PEDIS

DIAGNOSIS

Differentiation between tinea pedis and tinea-like dermatoses. Master G, et al. **J Am Podiatr Med Assoc** 1986 Feb; 76(2):81-3
Tinea nigra masquerading as acral lentiginous melanoma. Babel DE, et al. **J Dermatol Surg Oncol** 1986 May; 12(5):502-4

DRUG THERAPY

Treatment of tinea pedis with econazole nitrate cream. Cullen SI, et al. **Cutis** 1986 May;37(5):388-9
A comparative study of once daily bifonazole cream versus twice daily miconazole cream in the treatment of tinea pedis. Roberts DT, et al. **Mykosen** 1985 Nov;28(11):550-2
[Treatment of interdigital tinea pedis using a solution of 1:100 bifonazole (Bay h 4502)] del Palacio Hernanz A, et al. **Med Cutan Ibero Lat Am** 1985;13(2):183-6 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Prevalence of bacteria and fungi in athlete's foot of varying severity and response to topical antibacterial and antifungal therapies. Talwar P, et al. **Sabouraudia** 1985 Aug; 23(4):303-12

OCCURRENCE

Tinea pedis and erythrasma in Danish recruits. Clinical signs, prevalence, incidence, and correlation to atopy. Svejgaard E, et al. **J Am Acad Dermatol** 1986 Jun;14(6):993-9
[Incidence of "unknown" tinea pedis]Verrone C, et al. **G Ital Dermatol Venereol** 1985 Nov-Dec;120(6):385-90 (Eng. Abstr.) **(Ita)**

TINEA UNGUIUM

DIAGNOSIS

Onychomycosis in the aged. An administrative perspective. Helfand AE. **J Am Podiatr Med Assoc** 1986 Mar; 76(3):142-5

ETIOLOGY

Onychomycosis due to saprophytic fungi. Report of 25 cases. Vélez H, et al. **Mycopathologia** 1985 Aug;91(2):87-92

MICROBIOLOGY

Onychomycosis due to Hendersonula toruloidea in Nigeria. Gugnani HC, et al. **J Med Vet Mycol** 1986 Jun;24(3):239-41
Some cases of onychomycosis from north India in different working environments. Wadhwani K, et al. **Mycopathologia** 1985 Dec;92(3):149-55
[Mycotic infections of psoriatic nails] Szepes E. **Mykosen** 1986 Feb;29(2):82-4 (Eng. Abstr.) **(Ger)**
[Onychomycoses caused by dematiaceae (Hendersonula toruloidea)] Borghi AL, et al. **Rev Latinoam Microbiol** 1986 Jan-Mar;28(1):63-6 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Onychomycosis. Zaias N. **Dermatol Clin** 1985 Jul;3(3):445-60
Nail biopsies in onychomycosis. Haneke E. **Mykosen** 1985 Oct;28(10):473-80

SURGERY

Partial surgical avulsion of the nail in onychomycosis. Baran R, et al. **Clin Exp Dermatol** 1985 Sep;10(5):413-8

THERAPY

Inhalation of nail dust from onychomycotic toenails. Part I. Characterization of particles. Abramson C, et al. **J Am Podiatr Med Assoc** 1985 Nov;75(11):563-7

TRANSMISSION

Nail dust aerosols from onychomycotic toenails. Part II. Clinical and serologic aspects. Abramson C, et al. **J Am Podiatr Med Assoc** 1985 Dec;75(12):631-8

TINEA VERSICOLOR

DIAGNOSIS

Tinea versicolor. Lewis MR. **Nurse Pract** 1986 Feb; 11(2):30-1, 35

DRUG THERAPY

Current treatment of cutaneous Pityrosporum and Candida-infections. Faergemann J. **Acta Derm Venereol [Suppl] (Stockh)** 1986;121:109-16
Itraconazole, a new orally active antifungal, in the treatment of pityriasis versicolor. Delescluse J, et al. **Br J Dermatol** 1986 Jun;114(6):701-3
Itraconazole therapy in pityriasis versicolor. del Palacio Hernanz A, et al. **Br J Dermatol** 1986 Aug;115(2):217-25
Treatment of tinea versicolor with a new antifungal agent, ciclopirox olamine cream 1%. **Clin Ther** 1985;7(5):574-83
A comparison between one and two weeks' treatment with bifonazole in pityriasis versicolor. Hernández-Pérez E. **J Am Acad Dermatol** 1986 Apr;14(4):561-4
An open, multicentre assessment of the effectiveness of bifonazole in the treatment of tinea (pityriasis) versicolor. Galimberti R, et al. **Pharmatherapeutica** 1985;4(2):109-12
Superficial mycoses. Therapeutic agents and clinical applications. Griffith ML, et al. **Postgrad Med** 1986 Jan; 79(1):151-6, 161

FAMILIAL & GENETIC

Genetic susceptibility in pityriasis versicolor. Hafez M, et al. **Dermatologica** 1985;171(2):86-8

IMMUNOLOGY

An immunologic and cultural study of Pityrosporum folliculitis. Faergemann J, et al. **J Am Acad Dermatol** 1986 Mar;14(3):429-33

PATHOLOGY

[Pityriasis versicolor in children] López López JR, et al. **Med Cutan Ibero Lat Am** 1985;13(5):381-3 (Eng. Abstr.) **(Spa)**

URINE

An analysis of urinary porphyrins in patients of pityriasis versicolor. Bakshi S, et al. **Indian J Dermatol** 1984 Apr; 29(2):1-7

TINIDAZOLE see under **NITROIMIDAZOLES**

TINNITUS

CHEMICALLY INDUCED

Irreversible ototoxic effect of erythromycin. Levin G, et al. **Scand Audiol** 1986;15(1):41-2

COMPLICATIONS

Tinnitus in noise-induced hearing loss. Axelsson A, et al. **Br J Audiol** 1985 Nov;19(4):271-6
[Prognosis for tinnitus after surgery for otospongiosis] Causse JB, et al. **Ann Otolaryngol Chir Cervicofac** 1985; 102(6):407-13 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

The loudness of tinnitus. Hulshof JH.
Acta Otolaryngol (Stockh) 1986 Jul–Aug;102(1–2):40–3

Matched and self–reported loudness of tinnitus: methods and sources of error. Jakes SC, et al. **Audiology** 1986; 25(2):92–100

[Tinnitus rendered objective] Cremers CW.
Ned Tijdschr Geneeskd 1986 Feb 1;130(5):193–4 **(Dut)**

DRUG THERAPY

Amino–oxyacetic acid as a palliative in tinnitus. Reed HT, et al. **Arch Otolaryngol** 1985 Dec;111(12):803–5

Dose finding of tocainide in the treatment of tinnitus. Vermeij P, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Apr; 24(4):207–12

Amino–oxyacetic acid: a new drug for the treatment of tinnitus. Blair PA, et al. **J La State Med Soc** 1986 Jun; 138(6):17–9

Intravenous lignocaine in tinnitus. Merchant SN, et al.
J Postgrad Med 1985 Apr;31(2):80–2

The value of carbamazepine in the treatment of tinnitus. Hulshof JH, et al. **ORL J Otorhinolaryngol Relat Spec** 1985; 47(5):262–6

The value of flunarizine in the treatment of tinnitus. Hulshof JH, et al. **ORL J Otorhinolaryngol Relat Spec** 1986; 48(1):33–6

[A multicenter study of tinnitus. Epidemiology and therapy] Meyer B. **Ann Otolaryngol Chir Cervicofac** 1986; 103(3):185–8 (Eng. Abstr.) **(Fre)**

[Tinnitus therapy with lidocaine and tocainide] Lenarz T, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Dec;64(12):604–8 (Eng. Abstr.) **(Ger)**

[Nimodipine (Bay e 9736) a new therapy concept in diseases of the inner ear?] Theopold HM.
Laryngol Rhinol Otol (Stuttg) 1985 Dec;64(12):609–13 (Eng. Abstr.) **(Ger)**

[Management of acute vestibular disorders in Ménière's disease] Savinkov AB. **Vestn Otorinolaringol** 1985 Sep–Oct; (5):27–30 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Adverse reaction to acoustic reflex testing [letter] Elonka DR. **Am J Otol** 1986 Mar;7(2):164–5

Objective tinnitus in association with an abnormal posterior condylar emissary vein. Lambert PR, et al. **Am J Otol** 1986 May;7(3):204–7

Tinnitus. Kattula PS. **Aust Fam Physician** 1986 May; 15(5):558–9

Pulsatile tinnitus and fibromuscular dysplasia of the internal carotid. Dufour JJ, et al. **J Otolaryngol** 1985 Oct; 14(5):293–5

Blatella germanica causing tinnitus and otitis externa [letter] Kwok P, et al. **J Otolaryngol** 1986 Aug;15(4):257

Tensor tympani and masseter muscle synkinesis. Lusk R, et al. **Otolaryngol Head Neck Surg** 1985 Aug;93(4):555–8

[Auditory asymmetry and tinnitus] Hennebert PE.
Acta Otorhinolaryngol Belg 1985;39(5):832–6 (Eng. Abstr.) **(Fre)**

[Pulsatile tinnitus caused by preauricular vascular lesions of traumatic origin] Boutet JJ, et al.
Ann Otolaryngol Chir Cervicofac 1985;102(4):251–3 (Eng. Abstr.) **(Fre)**

[Arteriovenous fistulas of the cranial dura mater. Apropos of 3 cases] Wayoff M, et al.
Ann Otolaryngol Chir Cervicofac 1985;102(8):561–4 (Eng. Abstr.) **(Fre)**

[Pulsatile tinnitus and arteriovenous fistulas of the dura mater] Rohr J, et al. **Schweiz Med Wochenschr** 1986 May 3; 116(18):598–603 (Eng. Abstr.) **(Fre)**

[Tinnitus as a side effect of hyposensitization treatment. Case report] Jablonski K, et al. **Derm Beruf Umwelt** 1986 Mar–Apr;34(2):39–41 (Eng. Abstr.) **(Ger)**

[Differential diagnosis of tinnitus and vertigo. A review] Biedert S, et al. **Nervenarzt** 1985 Oct;56(10):535–42 (Eng. Abstr.) **(Ger)**

[Complications after surgical treatment of otosclerosis] Sekula J, et al. **Otolaryngol Pol** 1986;40(1):1–4 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Audiological investigation of palatal myoclonus. Meline NC, et al. **J Aud Res** 1984 Jul;24(3):175–82

Sonotubometry in the investigation of objective tinnitus and palatal myoclonus: a demonstration of eustachian tube opening. Slack RW, et al. **J Laryngol Otol** 1986 May; 100(5):529–31

Tinnitus induced by tones. Kemp S, et al.
J Speech Hear Res 1986 Mar;29(1):65–70

PSYCHOLOGY

Is tinnitus a psychological disorder? Gerber KE, et al.
Int J Psychiatry Med 1985–86;15(1):81–7

Vestibular disorder and emotional distress. Hallam RS, et al. **J Psychosom Res** 1985;29(4):407–13

[Personality test results in patients with tinnitus] Yano J, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1985 Aug; 88(8):1045–50 (Eng. Abstr.) **(Jpn)**

SURGERY

Intracranial microvascular decompression for "cryptogenic" hemifacial spasm, trigeminal and glossopharyngeal neuralgia, paroxysmal vertigo and tinnitus: I. Surgical technique and results. Calbucci F, et al.
Ital J Neurol Sci 1986 Jun;7(3):359–66

Intracranial microvascular decompression for "cryptogenic" hemifacial spasm, trigeminal and glossopharyngeal neuralgia, paroxysmal vertigo and tinnitus: II. Clinical study and long–term follow up. Michelucci R, et al.
Ital J Neurol Sci 1986 Jun;7(3):367–74

THERAPY

Tinnitus: differential effects of therapy in a single case. Hallam RS, et al. **Behav Res Ther** 1985;23(6):691–4

The effects of reassurance, relaxation training and distraction on chronic tinnitus sufferers. Jakes SC, et al.
Behav Res Ther 1986;24(5):497–507

Low–powered ultrasound in the treatment of tinnitus: a pilot study. Carrick DG, et al. **Br J Audiol** 1986 May;20(2):153–5

Stellate ganglion block for the relief of tinnitus in vibration disease. Matoba T, et al. **Kurume Med J** 1984;31(4):295–300

Transcutaneous electrical stimulation for tinnitus. Engelberg M, et al. **Laryngoscope** 1985 Oct;95(10):1167–73

Psychological treatment of tinnitus. An experimental group study. Scott B, et al. **Scand Audiol** 1985;14(4):223–30

[A method for relieving tinnitus complaints in long–enlisted soldiers with multiple acoustic traumas—external electrostimulation] Pilgramm M, et al. **HNO** 1986 Jul; 34(7):280–4 (Eng. Abstr.) **(Ger)**

[Is there a possibility of electrophysiologic approach to the therapy of tinnitus?] Piemonte M, et al.
Acta Otorhinolaryngol Ital 1985 Mar–Apr;5(2):113–23 (Eng. Abstr.) **(Ita)**

[Treatment of tinnitus aurium by acupuncture] Popovici D, et al. **Rev Chir [Otorinolaringol]** 1985 Jul–Sep;30(3):183–8 (Eng. Abstr.) **(Rum)**

TINORIDINE see under **PYRIDINES**

TIRON see under **BENZENESULFONATES**

TISSUE ADHESIVES

see related

BONE CEMENTS

Combined use of bioplast and tissue adhesive in experimental nephrectomies in in situ renal hypothermia. Mikó I, et al.
Acta Chir Hung 1986;27(2):99–105

Glued periosteal grafts in the knee. Niedermann B, et al.
Acta Orthop Scand 1985 Dec;56(6):457–60

Autogenous fibrin glue in tympanoplasty. Wolf G.
Am J Otol 1986 Jul;7(4):287–8

A new autologous fibrinogen–based adhesive for otologic surgery. Epstein GH, et al. **Ann Otol Rhinol Laryngol** 1986 Jan–Feb;95(1 Pt 1):40–5

Hemostatic effectiveness of fibrin glue derived from single–donor fresh frozen plasma. Dresdale A, et al.
Ann Thorac Surg 1985 Oct;40(4):385–7

Common bile duct anastomosis using fibrin glue. Kram HB, et al. **Arch Surg** 1985 Nov;120(11):1250–6

Synthesis and bioevaluation of alkyl 2–cyanoacryloyl glycolates as potential soft tissue adhesives. Jaffe H, et al.
J Biomed Mater Res 1986 Feb;20(2):205–12

Sutures of fibrin glue for divided rat nerves. Schwann cell and muscle metabolism. Becker CM, et al.
J Reconstr Microsurg 1984 Oct;1(2):139–45

Fibrin glue as a biologic vascular patch—a comparative study. Barton B, et al. **J Surg Res** 1986 May;40(5):510–3

A new procedure for bone reconstruction in oto–microsurgery: a mixture of bone dust and fibrinogen adhesive. Gersdorff MC, et al. **Laryngoscope** 1985 Oct; 95(10):1278–80

Extraintracranial anastomosis performed by means of biological gluing materials: experimental and clinical study. Aksik IA, et al. **Microsurgery** 1986;7(1):2–8

[Use of tissue glues in otorhinolaryngology] Kessler L.
Cesk Otolaryngol 1985 Sep;34(5):280–1 **(Cze)**

[KL 3 tissue adhesive (evaluation in an experiment and perspectives in surgical practice)] Schützner J, et al.
Rozhl Chir 1985 Sep;64(8–9):624–8 (Eng. Abstr.) **(Cze)**

[Bioadhesive polymers] Gayot A. **J Pharm Belg** 1985 Sep–Oct;40(5):332–8 (Eng. Abstr.) **(Fre)**

[Proximal temporo–sylvian anastomosis with an arterial cuff glued with fibrin. Technical, anatomical and arteriographic considerations] Matge G, et al. **Neurochirurgie** 1985; 31(5):401–11 (Eng. Abstr.) **(Fre)**

[Sterilization reversal with additional use of fibrin glue (Beriplast). Preliminary report] Baumann R, et al.
Geburtshilfe Frauenheilkd 1986 Apr;46(4):234–6 (Eng. Abstr.) **(Ger)**

[Tissucol in plastic surgery: main clinical applications] Azzolini A, et al. **Minerva Chir** 1986 Jun 30; 41(11–12):1025–38 (Eng. Abstr.) **(Ita)**

[Use of human fibrin glue in urologic interventions for calculosis] Canonico S, et al. **Minerva Chir** 1986 Apr 15; 41(7):569–70 **(Ita)**

[Use of fibrin glue in 8 cases of arterial occlusive disease with or without patches] Mozzillo N, et al.
Minerva Chir 1986 Apr 15;41(7):571–3 **(Ita)**

[Conclusive considerations on the use of fibrin glue in periodontal surgery. Histological controls] Calandriello M, et al. **Minerva Stomatol** 1985 Sep–Oct;34(5):789–94 (Eng. Abstr.) **(Ita)**

[Studies of a tissue adhesive for surgical management of the urinary tract—application for nephrotomy in dog] Kondo I, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Sep; 76(9):1303–8 (Eng. Abstr.) **(Jpn)**

[New applications of the fibrin adhesive system in otorhinolaryngology] Gisbert Aguilar J, et al.
An Otorrinolaringol Ibero Am 1985;12(5):417–21 (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

Life salvage with fibrin glue in three cases of exsanguinating hemorrhage. Errett L, et al. **Can J Surg** 1986 May; 29(3):214–5, 217

[Cyanoacrylate tissue gluing in corneal perforations] Skorpik C, et al. **Wien Klin Wochenschr** 1986 May 2;98(9):276–9 (Eng. Abstr.) **(Ger)**

[Nephrotomy closure with fibrin glue] Stackl W.
Z Urol Nephrol 1986 Mar;79(3):155–7 (Eng. Abstr.) **(Ger)**

[Anastomosis of the ovarian tubes without suture thread using human fibrin glue (Tissucol). Experimental study] Ussia G, et al. **Minerva Ginecol** 1986 Apr;38(4):325–9 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

[Urinary fistula after the use of adhesives on the renal parenchyma] Somogyi L, et al. **Orv Hetil** 1986 Jul 13; 127(28):1701–2, 1707 (Eng. Abstr.) **(Hun)**

ANALYSIS

Detection of cyanoacrylate tissue adhesives in histological sections. Galil KA, et al. **J Biomed Mater Res** 1984 Jul–Aug;18(6):609–16

CHEMICAL SYNTHESIS

Synthesis and bioevaluation of a rapidly biodegradable tissue adhesive: 1,2–isopropylidene glyceryl 2–cyanoacrylate. Jaffe H, et al. **J Biomed Mater Res** 1986 Feb;20(2):213–7

PHARMACODYNAMICS

Effects of a fibrin–sealant wound dressing on the healing of full–thickness wounds of the hard palate: preliminary report. Bishara SE, et al. **Cleft Palate J** 1986 Apr; 23(2):144–52

Chemical occlusion of vas with MCA in rhesus monkey. Chandra H. **Contraception** 1986 Jan;33(1):47–50

Healing after application of tissue–adhesive material to denuded and citric acid–treated root surfaces. Caton JG, et al. **J Periodontol** 1986 Jun;57(6):385–90

[Human fibrin glue in the treatment of injuries of parenchymatous organs. Experimental research] Selvaggi F, et al. **Minerva Chir** 1986 Apr 15;41(7):575–6 (Eng. Abstr.) **(Ita)**

STANDARDS

[Initial clinical experiences with the fibrin adhesive Beriplast in heart surgery] Stenzl W, et al.
Wien Med Wochenschr 1985 Oct 31;135(19–20):506–11 (Eng. Abstr.) **(Ger)**

[Adhesive strength studies of biologic tissue adhesives] Hamm KD, et al.
Z Exp Chir Transplant Kunstliche Organe 1985;18(5):281–8 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Cyanoacrylate adhesive in retinal detachment surgery. Folk JC, et al. **Am J Ophthalmol** 1986 Apr 15;101(4):486–7

Experimental transvitreal cyanoacrylate retinopexy. McCuen BW 2d, et al. **Am J Ophthalmol** 1986 Aug 15;102(2):199–207

Fibrin adhesive sealing of ureter after ureteral stone surgery. A controlled clinical trial. Schultz A, et al. **Eur Urol** 1985; 11(4):267–8

Tissue adhesive in the prevention of esophageal tube migration: preliminary report on a new method. Straumann A, et al. **Gastrointest Endosc** 1985 Dec;31(6):388–90

Clinical experience in oral surgery with human fibrin sealant. Petersen JK. **Int Dent J** 1985 Dec;35(4):277–9

Morphology of rabbit oviduct after reanostomosis with fibrin glue. Spernol R, et al. **Int J Gynaecol Obstet** 1984 Aug; 22(4):295–301

Tissucol in closure of oroantral communication. A pilot study. Stajčić Z, et al. **Int J Oral Surg** 1985 Oct;14(5):444–6

Bilateral patent nasopalatine ducts. A new method of treatment. Götzfried HF. **J Maxillofac Surg** 1986 Apr; 14(2):113–5

Experimental use of fibrin sealant for skin graft fixation in mandibular vestibuloplasty. Gregory EW, et al.
J Oral Maxillofac Surg 1986 Mar;44(3):171–6

The technique of fibrin adhesion for premature rupture of the membranes during pregnancy. Baumgarten K, et al.
J Perinat Med 1986;14(1):43–9

Fibrin seal—an alternative to suture repair in experimental pulmonary surgery. Bergsland J, et al. **J Surg Res** 1986 Apr;40(4):340–5

Diagnostic and therapeutic technology assessment. Endoscopic topical therapy of gastrointestinal tract hemorrhage. **JAMA** 1985 May 10;253(18):2734–5

Endoscopic treatment of bronchus stump fistulae following pneumonectomy with fibrin sealant in domestic pigs.

Waclawiczek HW, et al. **Thorac Cardiovasc Surg** 1985 Dec; 33(6):344–6

[Peripheral nerve repair: value of biological glues and epineurieural suture in late interventions. Experimental study in rats] Becker C, et al. **Ann Chir Main** 1985; 4(3):259–62 (Eng. Abstr.) **(Fre)**

[Use of biological glue in peripheral nerve repair] Rheiner P. **Helv Chir Acta** 1986 Apr;52(6):891–4 **(Fre)**

[Functional and anatomical results of tympanoplasty using a fibrin glue] Dvořáková J, et al. **Acta Univ Palacki Olomuc Fac Med** 1984;107:341–52 **(Ger)**

[Treatment of fresh Achilles tendon ruptures with fibrin glue] Winter U. **Aktuel Traumatol** 1985 Oct;15(5):219–21 (Eng. Abstr.) **(Ger)**

[Experience with fibrin glue in type–III tympanoplasty with stapes elevation] Haid T, et al. **HNO** 1985 Oct; 33(10):458–62 (Eng. Abstr.) **(Ger)**

[Clinical experience with fibrin gluing in general and thoracic surgery] Waclawiczek HW, et al. **Zentralbl Chir** 1986; 111(1):16–24 (Eng. Abstr.) **(Ger)**

[Percutaneous fibrin gluing in subcutaneous cerebrospinal fluid fistulas following operations on the brain and spinal cord] Knöringer P. **Zentralbl Neurochir** 1985;46(3):256–62 (Eng. Abstr.) **(Ger)**

[Adhesives in surgical research] Cucinotta U. **Minerva Chir** 1986 Mar 31;41(5–6):465–8 **(Ita)**

[Basic and clinical studies on osteochondral fragment fixation using fibrin adhesive system (FAS) in cases of fracture] Sugimoto Y. **Nippon Seikeigeka Gakkai Zasshi** 1985 Dec; 59(12):1059–72 (Eng. Abstr.) **(Jpn)**

[Use of KL-3 medical glue in surgery of the organs of the hepatopancreatoduodenal area] Zemskov VS, et al. **Khirurgiia (Mosk)** 1985 Aug;(8):37–9 (Eng. Abstr.) **(Rus)**

[Use of medical glues MK–6 and KL–3 in surgical endocrinology] Komissarenko IV, et al. **Klin Khir** 1985; (12):19–20 (Eng. Abstr.) **(Rus)**

[Endoscopic evaluation of healing of chronic gastric and duodenal ulcers after their local treatment] Buianov VM, et al. **Sov Med** 1985;(12):31–3 (Eng. Abstr.) **(Rus)**

[Use of medical glue in surgical treatment of pulmonary echinococcosis] Islambekov ES, et al. **Vestn Khir** 1985 Jun; 134(6):26–9 (Eng. Abstr.) **(Rus)**

TISSUE BANKS

Should corneal transplant donors be screened for human T-cell lymphotropic virus type III antibody? [editorial] Margo CE. **Arch Ophthalmol** 1985 Nov;103(11):1643

Rationale for sperm banking in men with cancer. Rothmann SA, et al. **Cleve Clin Q** 1986 Spring;53(1):89–94

Two treatments of eye bank donor corneas. Farge EJ, et al. **Cornea** 1985–86;4(4):256–62

Mouse embryo cryobanking. Mobraaten LE. **J In Vitro Fert Embryo Transfer** 1986 Feb;3(1):28–32

Multiple organ donation: its impact on the recovery of cadaver kidneys. Banowsky L, et al. **J Urol** 1986 Jun; 135(6):1157–8

Cadaveric bone retrieval/banking techniques. Knappenberger KR, et al. **Kans Med** 1986 Feb;87(2):42–3

The banking and clinical use of human skin allograft in trauma patients: clinical use of allograft skin. Spence RJ, et al. **Md Med J** 1986 Mar;35(3):205–12

The banking and clinical use of human skin allograft in trauma patients: the banking of allograft skin in Maryland. Spence RJ. **Md Med J** 1986 Feb;35(2):117–9

Biologic banking in cohort studies, with special reference to blood. Petrakis NL. **Natl Cancer Inst Monogr** 1985 May; 67:193–8

An eight-year study of HLA typing proficiency in Eurotransplant. Schreuder GM, et al. **Tissue Antigens** 1986 Mar;27(3):131–41

International Symposium on Organs for Transplantation. May 22–25, 1985, Chateau Lake Louise, Alberta, Canada. **Transplant Proc** 1985 Dec;17(6 Suppl 4):1–146

Bone banking and clinical applications. Friedlaender GE. **Transplant Proc** 1985 Dec;17(6 Suppl 4):99–104

Eye banking: a growth story. Graham CR Jr. **Transplant Proc** 1985 Dec;17(6 Suppl 4):105–11

Potential utilization of a national HLA-typed donor pool for bone marrow transplantation. Gale RP. **Transplantation** 1986 Jul;42(1):54–8

[Epidemiological aspects of data banks and biological banks] van Noord PA. **Tijdschr Diergeneeskd** 1985 Sep 15; 110(18):703–15 (Eng. Abstr.) **(Dut)**

ECONOMICS

Bone banking. A cost effective method for establishing a community hospital bone bank. Hart MM, et al. **Clin Orthop** 1986 May;(206):295–300

METHODS

HTLV–III screening by eye banks [letter] Mannis MJ, et al. **Am J Ophthalmol** 1986 Mar 15;101(3):385–6

Temperature variations in eyebank containers: comparative study of corneal transport containers and packing methods. York KK, et al. **Cornea** 1985–86;4(1):51–7

ORGANIZATION & ADMINISTRATION

Eye banking practices in Alabama. Williams DV. **Ala Med** 1986 Jul;56(1):29–32

Establishing a bone bank. Experience at a community hospital. Hart MM, et al. **AORN J** 1986 Apr;43(4):808–11, 814–9

Semen cryopreservation by cancer patients [letter] Rothmann SA. **Fertil Steril** 1986 May;45(5):738

The structure and effectiveness of the U.S. organ procurement system. Prottas JM. **Inquiry** 1985 Winter; 22(4):365–76

Eye donation movement. Mukherji R. **J Indian Med Assoc** 1985 Dec;83(12):415–6

The Carolina Organ Procurement Agency (a cooperative approach to organ/tissue recovery in North Carolina). Joyner SL. **NC Med J** 1986 Apr;47(4):193–5

[Bone banks. Equipment, tissue collection, cold preservation, organization, safety] Kuner EH, et al. **Orthopade** 1986 Feb; 15(1):16–21 (Eng. Abstr.) **(Ger)**

[Management and possibilities for establishing a tumor bank. Alternative to or possibility for reducing animal experiments?] Goerttler K, et al. **Pathologe** 1986 Jan; 7(1):50–8 **(Ger)**

[Work experience of the State Eye Tissue Bank in the Udmurtsk ASSR] Zalkova MV, et al. **Vestn Oftalmol** 1985 Nov–Dec;101(6):68–70 **(Rus)**

TISSUE COMPATIBILITY see **HISTOCOMPATIBILITY**

TISSUE CONDITIONING (DENTAL)

Biocompatibility of tissue conditioners—histological study in rats. Passeri LA, et al. **J Nihon Univ Sch Dent** 1985 Sep; 27(3):167–73

Vacuum treatment of tissue conditioners. Nimmo A, et al. **J Prosthet Dent** 1985 Dec;54(6):814–7

[Relations between the composition and viscoelastic properties of temporary soft lining materials] Niekawa K. **Kokubyo Gakkai Zasshi** 1986 Mar;53(1):157–83 (Eng. Abstr.) **(Jpn)**

TISSUE CULTURE

see related
CELL LINE
CELLS, CULTURED
CLONE CELLS

Detection of mycoplasmas in cell cultures and biologicals. Jurmanová K, et al. **Arch Exp Veterinarmed** 1986 Jan; 40(1):136–41

Twisted architectures in cell–free assembled collagen gels: study of collagen substrates used for cultures. Bouligand Y, et al. **Biol Cell** 1985;54(2):143–62

Primary cultures from defined brain areas; effects of seeding time on cell growth, astroglial content and protein synthesis. Hansson E, et al. **Brain Res** 1985 Aug; 353(2):175–85

In vitro use of vitamin D3 metabolites: culture conditions determine cell uptake. Puzas JE, et al. **Calcif Tissue Int** 1985 Sep;37(5):474–7

Substratum topography and cell traction on sulphuric acid treated bacteriological–grade plastic. Lydon MJ, et al. **Cell Biol Int Rep** 1985 Oct;9(10):911–21

Vascular outgrowths from tissue explants embedded in fibrin or collagen gels: a simple in vitro model of angiogenesis. Montesano R, et al. **Cell Biol Int Rep** 1985 Oct;9(10):869–75

Plasticity of astrocytes in primary cultures: an experimental tool and a reason for methodological caution. Juurlink BH, et al. **Dev Neurosci** 1985;7(5–6):263–77 (71 ref.)

Thirty-seventh annual meeting of the Tissue Culture Association. June 4–8, 1986, Chicago, IL. Abstracts. **In Vitro Cell Dev Biol** 1986 Mar;22(3 Pt 2):1A–65A

A simple method for the establishment of tissue culture melanocytes from regenerating fowl feathers. Bowers RR, et al. **In Vitro Cell Dev Biol** 1985 Jan;21(1):39–44

Development of mouse spinal cord in tissue culture: IV. Effects of embryonic extracts on neuron formation and migration. Houle JD, et al. **J Neurosci Res** 1985; 14(2):187–96

Autoclave which sterilizes with highly purified steam for tissue–culture laboratories. Robbins JH, et al. **Lancet** 1971 Dec 4;2(7736):1236–7

[Current aspects of nerve tissue culture] Chumasov EI, et al. **Arkh Anat Gistol Embriol** 1985 Sep;89(9):87–93 (104 ref.) **(Rus)**

[Testing synthetic materials using tissue cultures] Brozman M, et al. **Bratisl Lek Listy** 1985 Oct;84(4):473–9 (Eng. Abstr.) **(Slo)**

INSTRUMENTATION

Adhesion of cultured mammalian central nervous system neurons to flame–modified hydrophobic surfaces. Lucas JH, et al. **In Vitro Cell Dev Biol** 1986 Jan;22(1):37–43

The use of solid–state image sensor technology to detect and characterize live mammalian cells growing in tissue culture. Palcic B, et al. **Int J Radiat Biol** 1986 Aug;50(2):345–52

Large–scale production of monoclonal antibodies in dialysis tubing. Sjögren–Jansson E, et al. **J Immunol Methods** 1985 Nov 28;84(1–2):359–64

Tissue culture apparatus for flight experimentation. Scheld HW, et al. **Physiologist** 1985 Dec;28(6 Suppl):S167–8

METHODS

Cell and tissue culture of the central nervous system: recent developments and current applications. Laerum OD, et al. **Acta Neurol Scand** 1985 Dec;72(6):529–49 (254 ref.)

A method for explantation of selected areas of the neural retina. Carri NG, et al. **Anat Rec** 1986 Feb;214(2):226–9

Long–term cultivation of a human breast cancer cell line, MCF–7, in a chemically defined medium. Effect of estradiol. Briand P, et al. **Anticancer Res** 1986 Jan–Feb; 6(1):85–90

Mycoplasma detection in cell cultures. Cruz–Alemán A, et al. **Arch Invest Med (Mex)** 1985 Jul–Sep;16(3):283–93 **(Eng, Spa)**

Modification and standardization of the culture of early postimplantation embryos for toxicological studies. Klug S, et al. **Arch Toxicol** 1985 Dec;58(2):84–8

Microcalorimetric investigation of metabolism in rat hepatocytes cultured on microplates and in cell suspensions. Nässberger L, et al. **Biochim Biophys Acta** 1986 Jul 16; 882(3):353–8

A procedure for long–term culture of oligodendrocytes. Espinosa de los Monteros A, et al. **Brain Res** 1986 Jan; 389(1–2):117–25

Primary culture of rat ependymal cells in serum–free defined medium. Weibel M, et al. **Brain Res** 1986 Mar; 390(2):199–209

Clinical correlations with the human tumor cloning assay. Hanauske AR, et al. **Cancer Invest** 1985;3(6):541–51 (75 ref.)

Low pH value of pericellular medium as a factor limiting cell proliferation in dense cultures. Akatov VS, et al. **Exp Cell Res** 1985 Oct;160(2):412–8

A simplified method for passage and long–term growth of human mammary epithelial cells. Soule HD, et al. **In Vitro Cell Dev Biol** 1986 Jan;22(1):6–12

Preparation and use of synthetic cell culture surfaces. A new reagent for the covalent immobilization of proteins and glycoproteins on a nonionic inert matrix. Raja RH, et al. **J Biol Chem** 1986 Jun 25;261(18):8505–13

A modification of the cell culture agar diffusion test using fluoresceindiacetate staining. Schmalz G, et al. **J Biomed Mater Res** 1985 Jul–Aug;19(6):653–61

Substratum influence on collagen and fibronectin biosynthesis by arterial smooth muscle cells in vitro. Holderbaum D, et al. **J Cell Physiol** 1986 Feb;126(2):216–24

Single cell cloning of Epstein–Barr virus transformed cells in 20–microliter hanging drops. Makowski F, et al. **J Immunol Methods** 1986 Jun 10;90(1):85–7

Improved culture of individual muscle fibres with and without spinal cord explants in a collagen gel. Jay JC, et al. **J Neurosci Methods** 1985 Nov–Dec;15(3):229–34

Culture and storage of pig embryos. Davis DL. **J Reprod Fertil [Suppl]** 1985;33:115–24 (86 ref.)

Normal human urothelial cells in culture. Subculture procedure, flow cytometric and chromosomal analyses. Herz F, et al. **Lab Invest** 1985 Nov;53(5):571–4

Long–term culture of infant leukemia cells: dependence upon stromal cells from the bone marrow and bilineage differentiation. Umiel T, et al. **Leuk Res** 1986;10(8):1007–13

Tissue culture studies of muscle disorders: Part 1. Techniques, cell growth, morphology, cell surface. Witkowski JA. **Muscle Nerve** 1986 Mar–Apr;9(3):191–207 (134 ref.)

Preparation of astrocyte–deficient cultures containing neurons and oligodendroglia from embryonic rat cerebral hemispheres. Asou H, et al. **Neurosci Res** 1986 May; 3(4):364–70

Photometric recording of cell viability using trypan blue in perfused cell cultures. Walum E, et al. **Xenobiotica** 1985 Aug–Sep;15(8–9):701–4

[A simple rapid method for the generation of a defined CO2 atmosphere] Hoffmann A. **Z Med Lab Diagn** 1985; 26(7):398–9 **(Ger)**

[In vitro culture technic and cell growth of uroepithelial tumors] Muzzonigro G, et al. **Boll Soc Ital Biol Sper** 1985 Oct 30;61(10):1505–11 (Eng. Abstr.) **(Ita)**

[Human ciliary body epithelium in culture—culture method] Takahashi H, et al. **Nippon Ganka Gakkai Zasshi** 1986 Feb; 90(2):418–22 (Eng. Abstr.) **(Jpn)**

[Use of collagen as a support for the in vitro growth of human granulocyte–monocyte precursors (CFU–GM)] Fernández–Delgado R, et al. **Sangre (Barc)** 1985; 30(6):957–64 (Eng. Abstr.) **(Spa)**

TISSUE DONORS

Bioethical and legal considerations in increasing the supply of transplantable organs: from UAGA to "Baby Fae". Schwartz HS. **Am J Law Med** 1985 Winter;10(4):397–437 (257 ref.)

Divalent ion handling in human kidney donors with increased blood pressure after uninephrectomy. Friedlander MA, et al. **Am J Med** 1986 Jun;80(6):1079–85

Blood gas values change slowly in apneic organ donors [letter] Bruce DL. **Anesthesiology** 1986 Jul;65(1):128

Long–term renal function in kidney donors: a comparison of donors and their siblings. Williams SL, et al. **Ann Intern Med** 1986 Jul;105(1):1–8

Endothelial cell densities in corneal donor material. Singh G, et al. **Ann Ophthalmol** 1985 Oct;17(10):627–31

Living related kidney donors. A 14–year experience. Dunn JF, et al. **Ann Surg** 1986 Jun;203(6):637–43

Use of the donor specific transfusion protocol in living–unrelated donor–recipient combinations. Sollinger HW, et al. **Ann Surg** 1986 Sep;204(3):315–21

Transplantation of pediatric donor kidneys to adult recipients. Is there a critical donor age? Wengerter K, et al. **Ann Surg** 1986 Aug;204(2):172–5

The cardiac donor: a six-year experience. Emery RW, et al. **Ann Thorac Surg** 1986 Apr;41(4):356–62

A personal perspective. Working with families who donate organs and tissues. Malecki MS. **AORN J** 1986 Jul; 44(1):44–7

More on donor's choice or Hobson's choice [letter] Spital A, et al. **Arch Intern Med** 1986 Jan;146(1):203

Should corneal transplant donors be screened for human T-cell lymphotropic virus type III antibody? [editorial] Margo CE. **Arch Ophthalmol** 1985 Nov;103(11):1643

Specular microscopic evaluation of donor corneal endothelium. Matsuda M, et al. **Arch Ophthalmol** 1986 Feb; 104(2):259–62

Antibacterial effect of donor corneas stored in gentamicin-enriched McCarey–Kaufman medium. Yau CW, et al. **Arch Ophthalmol** 1986 Feb;104(2):263–5

Related potential donors in renal transplantation: a high risk group for occult renal disease? Hanly P, et al. **Br J Clin Pract** 1986 Jan;40(1):19–21

Recommendations on the use of living kidney donors in the United Kingdom. British Transplantation Society. **Br Med J [Clin Res]** 1986 Jul 26;293(6541):257–8

Procuring donor organs: firm but friendly encouragement required. Gilmore A. **Can Med Assoc J** 1986 Apr 15; 134(8):932–7

Influence of cadaver donor age on renal graft survival. Wetzels JF, et al. **Clin Nephrol** 1986 May;25(5):256–9

Embryo donation by uterine flushing and embryo transfer. Buster JE. **Clin Obstet Gynaecol** 1985 Dec;12(4):815–24

Oocyte and embryo donation in IVF programmes. Lütjen PJ, et al. **Clin Obstet Gynaecol** 1985 Dec;12(4):799–813

Who is my patient after my patient dies? Issues in organ procurement. Chandler JJ, et al. **Clin Ther** 1985;7(5):530–6

The anencephalic newborn as organ donor. **Hastings Cent Rep** 1986 Apr;16(2):21–3

Setting the record straight on organ sales [letter] Mandel SR. **Hastings Cent Rep** 1986 Aug;16(4):48–9

Organ request laws: high marks, high hopes. Newald J. **Hospitals** 1986 Apr 20;60(8):91–2

The structure and effectiveness of the U.S. organ procurement system. Prottas JM. **Inquiry** 1985 Winter; 22(4):365–76

A proposal for cadaver organ procurement: routine removal with right of informed refusal. Matas AJ, et al. **J Health Polit Policy Law** 1985 Summer;10(2):231–44

Role of doctors in corneal grafting movement [letter] Subhash B. **J Indian Med Assoc** 1985 Dec;83(12):417–8

Multiple organ donation: its impact on the recovery of cadaver kidneys. Banowsky L, et al. **J Urol** 1986 Jun; 135(6):1157–8

Schistosomiasis and renal transplantation. Hefty TR, et al. **J Urol** 1986 Jun;135(6):1163–6

Donor availability as the primary determinant of the future of heart transplantation. Evans RW, et al. **JAMA** 1986 Apr 11;255(14):1892–8

Pituitary program shifts focus from clinical to laboratory [news] Glasbrenner K. **JAMA** 1986 Feb 7;255(5):582–3

The organ procurement problem: many causes, no easy solutions [news] Merz B. **JAMA** 1985 Dec 20; 254(23):3283–8

HTLV-III ELISA testing of cadaveric sera to screen potential organ transplant donors [letter] Pepose JS, et al. **JAMA** 1986 Aug 15;256(7):864

Kallikrein excretion in renal transplant recipients and in uninephrectomized donors. Spragg J, et al. **Kidney Int** 1985 Jul;28(1):75–81

Long-term blood pressure and renal function in kidney donors. Talseth T, et al. **Kidney Int** 1986 May;29(5):1072–6

A kidney to spare? [editorial] **Lancet** 1985 Oct 26; 2(8461):926–7

Proteinuria and blood pressure in kidney donors [letter] Mourad G, et al. **Lancet** 1985 Oct 12;2(8459):838–9

Both parents as donors in bone marrow transplantation? [letter] Rammensee HG. **Lancet** 1986 Jul 5;2(8497):37–8

Alpha and omega: the grief of the heart donor family. Pittman SJ. **Med J Aust** 1985 Dec 9–23;143(12–13):568–70

Medicine, ethics, and execution by lethal injection. Kevorkian J. **Med Law** 1985;4(4):307–13

Protecting autonomy in organ procurement procedures: some overlooked issues. Peters DA. **Milbank Q** 1986; 64(2):241–70

Kidney transplantation from unrelated living donors [letter] **N Engl J Med** 1986 Sep 11;315(11):713–4

Kidney transplantation from unrelated living donors. Time to reclaim a discarded opportunity. Levey AS, et al. **N Engl J Med** 1986 Apr 3;314(14):914–6

End-stage renal failure after donor nephrectomy. Tapson JS. **Nephron** 1986;42(3):262–4

Organ donation program adjunct to state laws concerning consent. Goerth CR. **Occup Health Saf** 1986 Aug;55(8):16

Clinical implications of the use of freeze thaw and donor oocyte embryos. Wood C, et al. **Prog Clin Biol Res** 1986; 217B:289–98

Renal function after nephrectomy for donor organs. O'Donnell D, et al. **S Afr Med J** 1986 Feb 1;69(3):177–9

Correlation between donor cytomegalovirus immunity and chronic graft-versus-host disease after allogeneic bone marrow transplantation. Jacobsen N, et al. **Scand J Haematol** 1986 May;36(5):499–506

Organ donor shortage: European situation and possible solutions. Cohen B. **Scand J Urol Nephrol [Suppl]** 1985; 92:77–80

Refinements in the surgical technique of liver transplantation. Starzl TE, et al. **Semin Liver Dis** 1985 Nov;5(4):349–56

Organization of an organ donation network. Davis FD, et al. **Surg Clin North Am** 1986 Jun;66(3):641–52

Multiple cadaveric organ procurement for transplantation with emphasis on the heart. Hardesty RL, et al. **Surg Clin North Am** 1986 Jun;66(3):451–7

Use of donors sharing one genetic haplotype for bone marrow transplantation. Hobbs JR, et al. **Tokai J Exp Clin Med** 1985 Jun;10(2–3):207–14

Development and operation of a program to obtain volunteer bone marrow donors unrelated to the patient. McCullough J, et al. **Transfusion** 1986 Jul–Aug;26(4):315–23

Recruitment of unrelated persons as bone marrow donors. A preliminary experience. McElligott MC, et al. **Transfusion** 1986 Jul–Aug;26(4):309–14

Use of blood components containing red cells by donors of allogeneic bone marrow. Thompson HW, et al. **Transfusion** 1986 Jan–Feb;26(1):98–100

Proceedings of the Second International Congress on Organ Procurement. October 3–5, 1985, Detroit, Michigan. **Transplant Proc** 1986 Jun;18(3):381–619

International Symposium on Organs for Transplantation. May 22–25, 1985, Chateau Lake Louise, Alberta, Canada. **Transplant Proc** 1985 Dec;17(6 Suppl 4):1–146

Organ donors in the eighties: the Minister's Task Force on Kidney Donation. Ministry of Health, Province of Ontario, Canada. **Transplant Proc** 1985 Dec;17(6 Suppl 3):1–138

Donor transportation. Bouffard MC, et al. **Transplant Proc** 1985 Dec;17(6 Suppl 3):67–9

The organ donor card in Alberta is not a will. Bowker W. **Transplant Proc** 1985 Dec;17(6 Suppl 4):71

Requests, gifts, and obligations: the ethics of organ procurement. Caplan AL. **Transplant Proc** 1986 Jun;18(3 Suppl 2):49–56

Donor identification. Cardella CJ, et al. **Transplant Proc** 1985 Dec;17(6 Suppl 3):35–44

Professional and system barriers to organ donation. Corlett S. **Transplant Proc** 1985 Dec;17(6 Suppl 3):111–9

The non-physician coordinator's contribution to the development of an organ procurement program. Denny DW. **Transplant Proc** 1985 Dec;17(6 Suppl 4):83–7

A human rights perspective on donor legislation. Evans CD. **Transplant Proc** 1985 Dec;17(6 Suppl 4):69–70

Freedom to choose and freedom to lose: the procurement of cadaver organs for transplantation. Hoffmaster B. **Transplant Proc** 1985 Dec;17(6 Suppl 4):24–30

Organ retrieval and distribution. Keown PA, et al. **Transplant Proc** 1985 Dec;17(6 Suppl 3):71–83

Preliminary analysis of the size and characteristics of the donor pool in Northeastern Ohio and the influence of neurosurgeons' attitudes on the death process. King AB. **Transplant Proc** 1986 Jun;18(3 Suppl 2):57–60

Organ procurement in Munich: financial and organizational aspects. Land W, et al. **Transplant Proc** 1985 Dec;17(6 Suppl 4):79–82

The case for a living emotionally related international kidney donor exchange registry. Rapaport FT. **Transplant Proc** 1986 Jun;18(3 Suppl 2):5–9

The donation process. Robinette MA, et al. **Transplant Proc** 1985 Dec;17(6 Suppl 3):45–65

Organ donors in the eighties: The Ministers Task Force on Kidney Donation. Introduction. Robinette MA, et al. **Transplant Proc** 19.5 Dec;17(6 Suppl 3):3–16

Live donors: related and otherwise. Slapak M. **Transplant Proc** 1985 Dec;17(6 Suppl 4):13–4

New ideas and techniques for vital organ procurement and exchange. Slapak M. **Transplant Proc** 1985 Dec;17(6 Suppl 4):88–91

"Procurement" vs "donation"—access to tissues and organs for transplantation: should "contracting out" legislation be adopted? Somerville MA. **Transplant Proc** 1985 Dec;17(6 Suppl 4):53–68

Inter vivos transplantation: the child and dependent adult as donors. Starkman B. **Transplant Proc** 1985 Dec;17(6 Suppl 4):40–6

Living related donation. Stiller CR, et al. **Transplant Proc** 1985 Dec;17(6 Suppl 3):85–100

Transplantation in the 80s: a blueprint for success. Stiller CR, et al. **Transplant Proc** 1985 Dec;17(6 Suppl 3):19–31

Pregnancy after donor nephrectomy. Buszta C, et al. **Transplantation** 1985 Dec;40(6):651–4

100 living-related kidney donor evaluations using digital subtraction angiography. Flechner SM, et al. **Transplantation** 1985 Dec;40(6):675–8

Lack of donor organs is a major obstacle in organ transplantation in western countries [letter] Koller J, et al. **Transplantation** 1986 Mar;41(3):412

Prolonged allograft survival resulting from donor pretreatment with phytohemagglutinin-P. Ludwin D, et al. **Transplantation** 1986 Jan;41(1):120–2

Prediction of crossmatch outcome in highly sensitized dialysis patients based on the identification of serum HLA antibodies. Oldfather JW, et al. **Transplantation** 1986 Sep; 42(3):267–70

Intravascular coagulation and kidney donation. Ruers TJ, et al. **Transplantation** 1986 Sep;42(3):307–8

Lithiasic complications of renal transplantation: the donor graft lithiasis concept. Van Gansbeke D, et al. **Urol Radiol** 1985;7(3):157–60

'Required request' for organ donation—a plea for caution [letter] Dahlberg PJ, et al. **Wis Med J** 1986 Feb;85(2):8

Required request: a practical proposal for increasing the supply of cadaver organs for transplantation. Peters DA. **Wis Med J** 1985 Dec;84(12):10–3

[Removal of tissues and organs for transplantation purposes from the bodies of cadavers when the examining physician suspects a crime] Homoláčová A. **Cesk Zdrav** 1985 Oct; 33(10):435–8 (Eng. Abstr.) (Cze)

[Kidney transplantations and organ donors. Evaluation of 12 years' activity at the Angers University Hospital Center] Cavellat M, et al. **Cah Anesthesiol** 1985 Aug–Sep; 33(5):385–90 (Fre)

[Recommendations by the Society for Anesthesiology and Intensive care of East Germany and the Society for Nephrology of East Germany on the conditioning of organ donors for kidney transplantation] Precht K, et al. **Anaesthesiol Reanim** 1985;10(3):175–6 (Ger)

[Proof of dissociated brain death in organ donors (letter)] **Dtsch Med Wochenschr** 1986 Aug 29;111(35):1341–2 (Ger)

[Determination of dissociated brain death in organ donors] Krähling KH. **Dtsch Med Wochenschr** 1986 Feb 14; 111(7):268–9 (Ger)

[Unjustified exclusion of donor kidneys after phenytoin treatment? (letter)] Oldenkott P, et al. **Dtsch Med Wochenschr** 1985 Nov 22;110(47):1834–5 (Ger)

[Pancreatic donor operation for islet cell isolation and transplantation] Kühn F, et al. **Zentralbl Chir** 1986; 111(9):556–64 (Eng. Abstr.) (Ger)

[Organ donations in Norway 1977–1984] Nilsen DE, et al. **Tidsskr Nor Laegeforen** 1985 Sep 10;105(25):1709–11 (Eng. Abstr.) (Nor)

[Urinary acid excretion in subjects unilaterally nephrectomized for kidney donation] Cruz HM, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1985 Jul–Aug; 40(4):183–9 (Eng. Abstr.) (Por)

[Immunologic typing of splenic lymphocytes from human fetuses—donors of pancreatic islet cell cultures] Krasavtseva TK, et al. **Biull Eksp Biol Med** 1985 Sep; 100(9):330–1 (Eng. Abstr.) (Rus)

[Bone marrow donor system without compensation among relatives] Rakhmatullaev AR, et al. **Gematol Transfuziol** 1985 Sep;30(9):56–9 (Rus)

[Effect of syngeneic lymphocytes, T immunodeficiency and the genotype of bone marrow donors on the differentiation of early and late splenic colonies] Man'ko VM, et al. **Tsitologiia** 1985 Dec;27(12):1388–93 (Eng. Abstr.) (Rus)

[Choice of donor material for penetrating keratoplasty using reflecting microscopy] Kasparov AA, et al. **Vestn Oftalmol** 1985 Jul–Aug;101(4):26–8 (Eng. Abstr.) (Rus)

[Development of the kidney of a child transplanted to an adult] Alférez Villalobos C, et al. **Actas Urol Esp** 1985 Sep–Oct;9(5):389–96 (Eng. Abstr.) (Spa)

[Results of renal transplants from living donors in Puerto Rico] Santiago-Delpín EA, et al. **Bol Asoc Med PR** 1985 Oct;77(10):410–4 (Eng. Abstr.) (Spa)

[Detection of potential donors in organ transplants] Monteis J, et al. **Med Clin (Barc)** 1986 Mar 29;86(12):489–93 (Eng. Abstr.) (Spa)

[Removal of organs from patients attended in an emergency resuscitation unit] Beltrán JJ, et al. **Rev Esp Anestesiol Reanim** 1985 Sep–Oct;32(5):234–5 (Eng. Abstr.) (Spa)

PSYCHOLOGY

Corneal transplant donation. Susel RM. **Md Med J** 1985 Jun; 34(6):588–9

On willingness to be a bone marrow donor. Briggs NC, et al. **Transfusion** 1986 Jul–Aug;26(4):324–30

Emotionally related donors and renal transplantation. Burley JA, et al. **Transplant Proc** 1985 Dec;17(6 Suppl 3):123–7

Public attitudes toward human organ donation. Corlett S. **Transplant Proc** 1985 Dec;17(6 Suppl 3):103–10

Psychological adjustment of adult bone marrow transplant donors whose recipient survives. Wolcott DL, et al. **Transplantation** 1986 Apr;41(4):484–8

Adaptation of adult bone marrow transplant recipient long-term survivors. Wolcott DL, et al. **Transplantation** 1986 Apr;41(4):478–84

TISSUE EXTRACTS

Ultrasound speed and attenuation in homogenates of bovine skeletal muscle. Woods MO, et al. **Ultrasonics** 1986 Sep; 24(5):260–6

ADMINISTRATION & DOSAGE

Analysis of neoplasms induced by Cas-Br-M MuLV tumor extracts. Holmes KL, et al. **J Immunol** 1986 Jul 15; 137(2):679–88

Double-blind clinical trial of calf lung surfactant extract for the prevention of hyaline membrane disease in extremely premature infants. Kwong MS, et al. **Pediatrics** 1985 Oct; 76(4):585–92

Double-blind, randomized trial of a calf lung surfactant extract administered at birth to very premature infants for prevention of respiratory distress syndrome. Shapiro DL,

et al. **Pediatrics** 1985 Oct;76(4):593–9
[Effect of Robaveron tablet (KN–7) in the long–term therapy for urinary disturbances] Yamada K, et al. **Hinyokika Kiyo** 1985 May;31(5):901–6 (Eng. Abstr.) **(Jpn)**
[Evaluation of the effectiveness of Solcoseryl Eye–Gel in the treatment of various corneal diseases] Gerkowicz K, et al. **Klin Oczna** 1985 Jan;87(1):21–2 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Water intoxication and death associated with the use of posterior pituitary injection for surgical hemostasis. Fiser DH, et al. **Drug Intell Clin Pharm** 1986 Jun;20(6):485–7
Lethal effect of male rat submandibular gland homogenate for rat neonates. Dean DH, et al. **J Oral Pathol** 1985 Sep; 14(8):666–9
[Errors in the treatment of patients with rheumatoid arthritis] Erov NK. **Revmatologiia (Moskva)** 1985 Oct–Dec;(4):69–70 **(Rus)**

ANALYSIS

Measurement of the potential activity of the type–1 and type–2 protein phosphatases in the crude tissue extract. Yang SD. **Biochem Biophys Res Commun** 1985 Dec 31; 133(3):1132–8
Femtomole isotopic–enzymatic microassay of histamine in microgram amounts of brain tissue. Correa FM, et al. **Braz J Med Biol Res** 1985;18(4):409–14
Prostate growth factor in the extracts of benign prostatic hypertrophy. Partial purification and physicochemical characterization. Jinno H, et al. **Eur Urol** 1986;12(1):41–8
Mucopolysaccharides in suspensions of Treponema pallidum extracted from infected rabbit testes. van der Sluis JJ, et al. **Genitourin Med** 1985 Feb;61(1):7–12
[The chemistry of natural products. 93. Detection of 1–O–alkylglycerins in lipid extracts of the adult human thymus] Reisch J, et al. **Arch Pharm (Weinheim)** 1985 Nov; 318(11):989–91 (Eng. Abstr.) **(Ger)**
[Isolation of fibrin assembly inhibitor from plasma and tissue extracts] Byshevskiĭ ASh, et al. **Vopr Med Khim** 1985 Sep–Oct;31(5):30–2 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Effect of bovine liver, lung and spleen extracts on the survival of skin allografts in mouse. Gończowski L, et al. **Acta Med Pol** 1985;26(1–2):1–11
Detection of antibodies to small nuclear ribonucleoproteins and small cytoplasmic ribonucleoproteins using unlabeled cell extracts. Forman MS, et al. **Arthritis Rheum** 1985 Dec; 28(12):1356–61
Successful tumour immunotherapy: possible role of antibodies to anti–inflammatory factors produced by neoplasms. Nelson M, et al. **Clin Exp Immunol** 1985 Jul;61(1):109–17
Studies of kissing bug–sensitive patients: evidence for the lack of cross–reactivity between Tristoma protracta and Tristoma rubida salivary gland extracts. Pinnas JL, et al. **J Allergy Clin Immunol** 1986 Feb;77(2):364–70
Immunochemical and enzymatic analyses of extracts of the house dust mite Dermatophagoides pteronyssinus. Stewart GA, et al. **J Allergy Clin Immunol** 1986 Jan;77(1 Pt 1):14–24
Effect of human syncytiotrophoblast plasma membrane–soluble extracts on in vitro mitogen–induced lymphocyte proliferation. A possible inhibition mechanism involving the transferrin receptor. Khalfoun B, et al. **J Immunol** 1986 Aug 15;137(4):1187–93
[Characteristics of 2 types of antigen–binding T suppressors formed during an immune response using T–T hybridomas and their extracts] Chernousov AD, et al. **Biull Eksp Biol Med** 1986 Apr;101(4):450–3 (Eng. Abstr.) **(Rus)**
[Immune response in rabbits to tumoral tissue extracts of human colon] Díaz Primerano AM, et al. **Acta Physiol Pharmacol Latinoam** 1985;35(4):419–30 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Extraction and partial purification of spasmogenic substances in Auerbach's plexus. Ambache N, et al. **Arch Int Pharmacodyn Ther** 1986 May;281(1):145–68

METABOLISM

Procarcinogen activation by rat and human mammary extracts. Maack CA, et al. **Carcinogenesis** 1986 Jun; 7(6):899–905
Glucagon, secretin and vasoactive intestinal polypeptide immunoreactivities in rat gut after jejuno–ileal bypass and resection. Murphy RF, et al. **Digestion** 1985;32(2):106–13
[Characterization of the binding of 125I–TSH to its receptor in low–uptake thyroid hyperplasias] Bianco AC, et al. **Rev Paul Med** 1985 Jul–Aug;103(4):176–81 (Eng. Abstr.) **(Por)**

PHARMACODYNAMICS

Increased collagen synthesis of bone marrow fibroblasts by materials released from platelets of chronic granulocytic leukemia and polycythemia vera. Yonekura S, et al. **Acta Haematol (Basel)** 1986;75(1):6–11
Studies of Swedish marine organisms. IV. Screening of biological activity. Lidgren G, et al. **Acta Pharm Suec** 1985; 22(6):351–6
Ultrastructural and morphometrical studies on the articular cartilage of rats: the destructive effect of dexamethasone and the chondroprotective effect of Rumalon. Annefeld M. **Agents Actions** 1986 Jan;17(3–4):320–1
Trout vascular and renal responses to atrial natriuretic factor and heart extracts. Duff DW, et al. **Am J Physiol** 1986 Sep;251(3 Pt 2):R639–42
Effects of atriopeptin and chicken heart extract in Gallus domesticus. Gregg CM, et al. **Am J Physiol** 1986 Sep;251(3 Pt 2):R543–51
Growth inhibition of environmental mastitis pathogens during physiologic transitions of the bovine mammary gland. Breau WC, et al. **Am J Vet Res** 1986 Feb; 47(2):218–22
Pharmacodynamic properties of adrenal cortical extracts in comparison to synthetic corticosteroid mixture in the rat. Bernardini R, et al. **Arch Int Pharmacodyn Ther** 1985 Aug; 276(2):287–300
Persistence of scleroderma–like phenotype in normal fibroblasts after prolonged exposure to soluble mediators from mononuclear cells. Worrall JG, et al. **Arthritis Rheum** 1986 Jan;29(1):54–64
Stimulatory and inhibitory effects of extracts from mammalian cell–cycle mutants on DNA replication in partially lysed cells. Blank–Liss W, et al. **Biochim Biophys Acta** 1985 Dec 18;826(4):213–23
In vitro release of physically separable factors from monocytes that exert opposing effects on erythropoiesis. Feldman L, et al. **Blood** 1986 May;67(5):1454–9
Origin and properties of the blister formation factor in blister fluids from recessive dystrophic epidermolysis bullosa. Ikeda S, et al. **Br J Dermatol** 1985 Dec;113(6):661–7
Differential responses of L5 and rat primary muscle cells to factors in rat brain extract. Neugebauer K, et al. **Brain Res** 1985 Oct 28;346(1):58–69
An antihypertensive extract of erythrocytes: effects on 45Ca uptake and efflux. Wright GL, et al. **Can J Physiol Pharmacol** 1986 Apr;64(4):424–9
Rat hypothalamic extract inhibits vasopressin–stimulated Na+–K+–ATPase activity in the rat renal medulla. Pippard C, et al. **Cell Biochem Funct** 1986 Jan;4(1):25–9
Platelet–derived factors enhance pemphigus acantholysis in skin organ cultures. Hunziker T, et al. **Clin Exp Immunol** 1986 May;64(2):442–9
Pituitary extract of the ricefield eel Monopterus albus (Synbranchidae, Teleostei) exhibits gonadotropic activity in the classes Mammalia, Aves, Reptilia and Amphibia. Ng TB, et al. **Comp Biochem Physiol [A]** 1986;84(2):371–81
Blood–finding strategy of a capillary–feeding sandfly, Lutzomyia longipalpis. Ribeiro JM, et al. **Comp Biochem Physiol [A]** 1986;83(4):683–6
Effect of melatonin–free pineal extract on sialic acid in hemicastrated and testosterone–treated rats. Damian E, et al. **Endocrinologie** 1986 Jan–Mar;24(1):11–6
Comparative study of the effects of melatonin–free pineal extract and melatonin on biochemical and hormonal parameters in the rats. Damian E, et al. **Endocrinologie** 1985 Oct–Dec;23(4):247–51
Effect of a melatonin–free extract from bovine pineal on plasma and urinary steroids and on serum prolactin in hirsute amenorrheic adolescents. Popa M, et al. **Endocrinologie** 1986 Apr–Jun;24(2):123–7
Effect of a hexosylceramide fraction of the hemodialysate Solcoseryl on experimental granulation tissue. Niinikoski J, et al. **Eur Surg Res** 1986;18(1):58–64
Evidence for a growth–stimulating fraction in the rat proximal intestine after small bowel resection. Grey VL, et al. **Gastroenterology** 1985 Dec;89(6):1305–12
Egg maturation and ecdysiotropic activity in extracts of mosquito (Aedes aegypti) heads. Wheelock GD, et al. **Gen Comp Endocrinol** 1985 Nov;60(2):196–203
Luteinizing hormone receptor binding inhibitor in aqueous extract of human corpus luteum. Nakano R, et al. **Gynecol Obstet Invest** 1985;20(1):45–51
Cytolysis of actinomycin D–treated target cells by cell–free supernatants from human monocytes. McKinnon KP, et al. **Immunobiology** 1986 Mar;171(1–2):27–44
Suppression and enhancement of in vitro lymphocyte reactivity by factors in rat submandibular gland extracts. Kemp A, et al. **Immunology** 1985 Oct;56(2):261–7
Suppression of polyclonal immunoglobulin production by a soluble factor produced by a human thymus hybridoma. Murakami M, et al. **Immunopharmacology** 1986 Jun; 11(3):141–54
Seasonal variation in oocyte recruitment and development in long–term hypophysectomized frog (Rana cyanophlyctis) in response to homoplastic pituitary pars distalis homogenate and exogenous hormones. Pancharatna M, et al. **Indian J Exp Biol** 1985 Apr;23(4):183–7
Effects of corneal extracts on rabbit corneal stromal cells in culture. Yue BY, et al. **Invest Ophthalmol Vis Sci** 1986 Jan;27(1):14–9
Rabbit muscle extracts catalyze the specific removal of N–acetylmethionine from acetylated peptides. Radhakrishna G, et al. **J Biol Chem** 1986 Jul 25; 261(21):9572–5
Antitumor activity of bovine cartilage extract (Catrix–S) in the human tumor stem cell assay. Durie BG, et al. **J Biol Response Mod** 1985 Dec;4(6):590–5
Stimulation of oligodendrocytes by extracts from astrocyte–enriched cultures. Bhat S, et al. **J Neurosci Res** 1986;15(1):19–27
Development of mouse spinal cord in tissue culture: IV. Effects of embryonic extracts on neuron formation and migration. Houle JD, et al. **J Neurosci Res** 1985; 14(2):187–96
Cellular effects of a brain extract factor or factors inhibiting neuroblastoma cell growth in vitro. Schengrund CL, et al. **J Neurosci Res** 1986;15(3):353–8
The control of fibrogenesis: stimulation and suppression of collagen synthesis in the chick chorioallantoic membrane with fibrin degradation products, wound extracts and proteases. Thompson WD, et al. **J Pathol** 1986 Mar; 148(3):207–15
Inhibitory effect of periodontally diseased root extracts on the growth of human gingival fibroblasts. Olson RH, et al. **J Periodontol** 1985 Oct;56(10):592–6
A study on the aetiology of reserpine ulceration and the antiulcer action of solcoseryl in rat stomach. Cho CH, et al. **J Pharm Pharmacol** 1985 Nov;37(11):823–5
Antitumor activity of aqueous extracts of marine animals. Sasaki T, et al. **J Pharmacobiodyn** 1985 Nov;8(11):969–74
Macrophage activation by Tetrahymena pyriformis. II. Active protein fractions from Tetrahymena. Makioka A, et al. **J Protozool** 1986 Feb;33(1):21–6
Testicular cytosol factors inhibit the binding of steroid–receptor complexes to chromatin. Tsai YH. **J Steroid Biochem** 1986 May;24(5):1005–10
Isolation of smooth muscle excitatory substances from chicken rectum and their characterization. Komori S, et al. **Jpn J Pharmacol** 1986 Jan;40(1):103–13
Smooth muscle excitatory substances from Remak nerve of the chicken and a comparison of their pharmacological and chemical properties with substance P. Komori S, et al. **Jpn J Pharmacol** 1986 Jan;40(1):1–11
Characterization of vascular permeability–increasing component isolated from solid tumors and the effect of highly polymerized dextran sulfate on its activity. Sato NL, et al. **Jpn J Pharmacol** 1986 Jun;41(2):163–71
Enhancement of cyclic adenosine monophosphate content in bone cells by the factor extracted from a pancreatic cancer associated with hypercalcemia. Nagata N, et al. **Metabolism** 1986 Jun;35(6):529–34
Nuclear extracts from globin–synthesizing cells enhance globin transcription in vitro. Bazett–Jones DP, et al. **Nature** 1985 Oct 31–Nov 6;317(6040):828–8
The effects of oral furosemide on the response of urinary excretion of cyclic adenosine monophosphate and phosphate to parathyroid extract in normal subjects. Fujita T, et al. **Nephron** 1985;41(4):333–6
Non–ACTH components of adult human pituitary extracts which stimulate adrenal steroidogenesis. Bateman A, et al. **Neuropeptides** 1986 May–Jun;7(4):381–90
A potent factor in extracts of the skin of the Australian frog, Pseudophryne coriacea. Apparent facilitation of transmitter release in isolated smooth muscle preparations. Erspamer V, et al. **Neuropharmacology** 1985 Aug;24(8):783–92
Immunological studies of human endometrium—suppression of lymphocyte mitogenesis by endometrial extract. Fujisaki S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Jul; 38(7):1105–10
Action of a water soluble splenic material on anaesthetized rat blood pressure. Gandarias JM, et al. **Rev Esp Fisiol** 1986 Jun;42(2):239–43
Inhibition of 3 beta–hydroxysteroid dehydrogenase (3 beta–HSD) activity in the granulosa cells of mouse ovarian follicles by follicular fluid peptide. Kadam AL, et al. **Steroids** 1984 Dec;44(6):497–509
Lack of effect of tetrodotoxin and of an extract from the posterior salivary gland of the blue–ringed octopus following injection into the octopus and following application to its brachial nerve. Flachsenberger W, et al. **Toxicon** 1985;23(6):997–9
The induction of accelerated murine amyloid with human splenic extract. Probable role of amyloid enhancing factor. Varga J, et al. **Virchows Arch [B]** 1986;51(3):177–85
Inhibiting effect of a hepatoma extract on the mitotic rate of regenerating liver. Echave Llanos JM, et al. **Virchows Arch [Cell Pathol]** 1986;51(1):17–27
[Inhibitory action of liver extracts on the splenic index and mortality in the graft vs. host reaction] Divanian Kh, et al. **Eksp Med Morfol** 1985;24(4):11–7 (Eng. Abstr.) **(Bul)**
[Action of the extract from the optic tentacles of juvenile and adult snails on the in vivo development of the albumin gland of Helix aspersa] Bride J, et al. **Gen Comp Endocrinol** 1986 Mar;61(3):383–92 (Eng. Abstr.) **(Fre)**
[Comparison of the leukopoietic effect of NeyTumorin, NeyThymus and 2–cyanethyl–carbamide] von Ardenne M, et al. **Pharmazie** 1986 Apr;41(4):263–5 (Eng. Abstr.) **(Ger)**
[Stimulation of the growth of human amniotic fluid cells for prenatal diagnosis by an extract of cattle brain (FGF–S3)] Dörffel A, et al. **Z Med Lab Diagn** 1986;27(3):162–8 (Eng. Abstr.) **(Ger)**
[Procoagulant of Guerin's epithelioma] Zurawski P, et al. **Acta Haematol Pol** 1985 Jan–Jun;16(1–2):52–64 (Eng. Abstr.) **(Pol)**
[In vitro growth of lingual epithelial basal cells as affected by an extract of the nodose ganglion] Nadeev FI, et al. **Biull Eksp Biol Med** 1986 Apr;101(4):474–5 (Eng. Abstr.) **(Rus)**

[Effect of polypeptides from the prostate on the hemostasis system] Khavinson VKh, et al. **Farmakol Toksikol** 1985 Sep-Oct;48(5):69-71 (Eng. Abstr.) **(Rus)**

[Interstitial regulation of the Ca2+/0 ratio in liver and kidney mitochondria of the rat by soluble phases of the cells of these organs] Elbakidze GM, et al. **Izv Akad Nauk SSSR [Biol]** 1986 Jul-Aug;(4):621-4 (Eng. Abstr.) **(Rus)**

[Effects of a water-soluble spleen extract on hemostasis] de Gandarias JM, et al. **Arch Farmacol Toxicol** 1985 Dec; 11(3):205-10 (Eng. Abstr.) **(Spa)**

[Bile secretion in the chicken: effects of secretin, cholecystokinin- pancreozymin and duodenal mucosal extract] Lisbona F, et al. **Rev Esp Fisiol** 1986 Jun; 42(2):199-204 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Hepatic regenerative stimulator substance in the rabbit. Relation to liver regeneration after partial hepatectomy. Fleig WE, et al. **J Hepatol** 1986;3(1):19-26

Selected optic lobe extracts stimulating retinal neurite outgrowth. Carri NG, et al. **Prog Clin Biol Res** 1986; 217A:119-22

STANDARDS

Why standardized extracts? [editorial] Norman PS. **J Allergy Clin Immunol** 1986 Mar;77(3):405-6

THERAPEUTIC USE

Myotrophic effects on denervation atrophy of hindlimb muscles of mice with systemic administration of nerve extract. Davis HL. **Brain Res** 1985 Sep 16;343(1):176-9

TFX immunotherapy in children with ALL during remission. Traczewska M, et al. **Folia Haematol (Leipz)** 1985; 112(4):525-36

The treatment of human cancer with agents prepared from bovine cartilage. Prudden JF. **J Biol Response Mod** 1985 Dec;4(6):551-84

A phase II study of Catrix-S in solid tumors. Romano CF, et al. **J Biol Response Mod** 1985 Dec;4(6):585-9

Solcoseryl eye gel: an effective adjunct in the treatment of chronic ulcers of the cornea. Bedavanija A, et al. **J Med Assoc Thai** 1985 Aug;68(8):415-8

Experimental neurogenic bladder in rats and effect of Robaveron, a biological prepared from swine prostate, on it. Yoshida Y, et al. **Jpn J Pharmacol** 1986 Jan;40(1):149-59

Treatment of venous ulcers. A multi-center randomized double-blind study. Biland L, et al. **Vasa** 1985;14(4):383-9

[Effect of pineal body extract on cytoxan-induced leucopenia in mice] Li TD. **Chung Hua Chung Liu Tsa Chih** 1985 Sep; 7(5):344-7 (Eng. Abstr.) **(Chi)**

[Diabetes insipidus of the coma patient: value of the constant infusion of a posterior hypophysis extract] Lajoix M, et al. **Minerva Anestesiol** 1985 Sep;51(9):451-4 **(Ita)**

[Total ocular extract, a non-specific stimulant in the treatment of degenerative diseases of the eye] Kapuscinski WI. **Rev Chir [Oftalmol]** 1986 Jan-Mar;30(1):37-41 (Eng. Abstr.) **(Rum)**

[Reaction of hematopoietic tissue to the administration of an antileukemic substance isolated from splenic tissue] Svirnovskii AI, et al. **Gematol Transfuziol** 1985 Oct; 30(10):34-7 (Eng. Abstr.) **(Rus)**

[Experience in treating patients with peptic ulcer exacerbation with solcoseryl and etimizol] Buliusin VIa, et al. **Klin Med (Mosk)** 1986 Jan;64(1):99-101 (Eng. Abstr.) **(Rus)**

[Solcoseryl in the complex treatment of acute pneumonia] Karamanova EI, et al. **Klin Med (Mosk)** 1986 Mar; 64(3):36-7 (Eng. Abstr.) **(Rus)**

[Pathogenetic basis for the use of solcoseryl in peptic ulcer of the stomach and duodenum] Oparin AG. **Klin Med (Mosk)** 1985 Nov;63(11):87-90 **(Rus)**

[Postradiation recovery of hematopoiesis in mice administered cell-free tissue extracts from the central Asiatic turtle] Turdyev AA, et al. **Radiobiologiia** 1985 Sep-Oct;25(5):665-9 (Eng. Abstr.) **(Rus)**

[Treatment of peptic ulcer with solcoseryl and etimizol] Buliusin VIa, et al. **Sov Med** 1985;(12):116-7 **(Rus)**

[Fibrinolysis and thrombolysis after administration of tissue plasminogen activator in dogs] Malinovskii NN, et al. **Vestn Akad Med Nauk SSSR** 1985;(7):52-8 (Eng. Abstr.) **(Rus)**

[Local-action preparations in treating trophic ulcers in patients with vascular failure] Polous IuM, et al. **Vrach Delo** 1985 Oct;(10):57-9 (Eng. Abstr.) **(Rus)**

TISSUE FACTOR see THROMBOPLASTIN

TISSUE PRESERVATION

Neonatal primary hyperparathyroidism: total parathyroidectomy with autotransplantation of cryopreserved parathyroid tissue. Lutz P, et al. **Acta Paediatr Scand** 1986 Jan;75(1):179-82

Antibacterial effect of donor corneas stored in gentamicin-enriched McCarey-Kaufman medium. Yau CW, et al. **Arch Ophthalmol** 1986 Feb;104(2):263-5

Functional studies on human veins after storage at—190 degrees C. Müller-Schweinitzer E, et al. **Br J Pharmacol** 1986 Jul;88(3):685-7

The morphology of pial blood vessels of the frog, preserved by rapid freezing and freeze substitution. Latker CH, et al. **Brain Res** 1986 Jun 4;375(1):186-92

Phosphomannosyl receptor from bovine liver: effect of storage condition on the appearance of different molecular species. Kato G, et al. **Cell Biol Int Rep** 1986 Feb;10(2):75

Stability of lactate dehydrogenase at different storage temperatures. Jacobs E, et al. **Clin Biochem** 1986 Jun; 19(3):183-8

Abstracts of papers presented at the twenty-second annual meeting of the Society for Cryobiology. June 18-21, 1985, Madison, Wisconsin. **Cryobiology** 1985 Dec;22(6):601-40

An in vivo test of viability for cryopreserved human skin. Merrell SW, et al. **Curr Surg** 1986 Jul-Aug;43(4):296-300

The apparent shift in distribution of aromatase activity in the subcellular fraction of human term placenta stored at -96 degrees C. Tochigi B, et al. **Endocr Res** 1986; 12(2):105-13

Alteration of the ultrastructure of the pig liver after a continuous perfusion of six hours in vitro. Gellert K, et al. **Exp Pathol** 1985;28(4):245-50

Embryo cryopreservation in cynomolgus monkeys. Balmaceda JP, et al. **Fertil Steril** 1986 Mar;45(3):403-6

Freezing and low temperature storage of cell lines with chromosomal aberrations and metabolic blocks in the tissue repository of the Child Health Center in Warsaw. Ilnicki K, et al. **Folia Morphol (Warsz)** 1985;44(2):90-8

Effects of skin storage conditions and concentration of applied dose on [3H]T-2 toxin penetration through excised human and monkey skin. Kemppainen BW, et al. **Food Chem Toxicol** 1986 Mar;24(3):221-7

Cryopreservation of adult human hepatocytes. The influence of deep freezing storage on the viability, cell seeding, survival, fine structures and albumin synthesis in primary cultures. Rijntjes PJ, et al. **J Hepatol** 1986;3(1):7-18

Immunoblotting of keratin polypeptides extracted from tissues preserved in standard histologic fixatives. Clark RK, et al. **J Histochem Cytochem** 1986 May;34(5):679-82

Factors affecting survival and implantation of cryopreserved human embryos. Cohen J, et al. **J In Vitro Fert Embryo Transfer** 1986 Feb;3(1):46-52

Preservation of steroid receptors in frozen brain and pituitary tissue: use of the cryoprotective agent, dimethylsulfoxide. MacLusky NJ, et al. **J Neurosci Methods** 1986 Apr; 16(2):131-40

Culture and storage of pig embryos. Davis DL. **J Reprod Fertil [Suppl]** 1985;33:115-24 (86 ref.)

Metabolic enhancement of myocardial preservation during cardioplegic arrest. Rousou JA, et al. **J Thorac Cardiovasc Surg** 1986 Feb;91(2):270-6

Biologic banking in cohort studies, with special reference to blood. Petrakis NL. **Natl Cancer Inst Monogr** 1985 May; 67:193-8

Stability of neuronal and glial marker enzymes in post-mortem rat brain. Ritchie T, et al. **Neurochem Res** 1986 Mar;11(3):383-92

Storage of a free forearm flap for 55 hours. Thoma A. **Plast Reconstr Surg** 1986 Jul;78(1):91-3

The history and future of the cryopreservation of avian germ plasm. Lake PE. **Poult Sci** 1986 Jan;65(1):1-15

Transplantation of cryopreserved hepatocytes or liver cytosol injection in the treatment of acute liver failure in rats. Grundmann R, et al. **Res Exp Med (Berl)** 1986; 186(2):141-9

The effect of cryopreservation on hormone secretion in vitro and morphology of human parathyroid tissue. Wagner PK, et al. **Surgery** 1986 Mar;99(3):257-64

Morphology of heart valves preserved by liquid nitrogen freezing. Armiger LC, et al. **Thorax** 1985 Oct;40(10):778-86

Organ retrieval and distribution. Keown PA, et al. **Transplant Proc** 1985 Dec;17(6 Suppl 3):71-83

Necropsy techniques. Tissue collection and preservation. Van Alstine WC. **Vet Clin North Am Food [Food Anim Pract]** 1986 Mar; 2(1):193-8

[Biological values of preserved human fetal liver cells to be used for transplantation] Hermanová E, et al. **Vnitr Lek** 1986 Jul;32(7):659-62 (Eng. Abstr.) **(Cze)**

[Physical characteristics of stripping veins preserved at 4 degrees C and usable as artery substitutes] Beaudoin G, et al. **J Mal Vasc** 1985;10(2):147-51 (Eng. Abstr.) **(Fre)**

[Prolonged storage of "firmly conjugated" mitochondria in liquid nitrogen] Lemeshko VV, et al. **Ukr Biokhim Zh** 1986 May-Jun;58(3):87-90 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

A portable in vitro brain slice chamber. Knowles WD. **J Neurosci Methods** 1985 Aug;14(3):187-92

METHODS

Corneal transplantation using long-term cultured donor material. Andersen J, et al. **Acta Ophthalmol (Copenh)** 1986 Feb;64(1):93-6

Endothelial cell survival on transplanted human corneas preserved by organ culture with 1.35% chondroitin sulfate. Bourne WM, et al. **Am J Ophthalmol** 1985 Dec 15; 100(6):789-93

Preservation of otologic homografts. Sataloff RT, et al. **Am J Otol** 1986 May;7(3):214-7

Cryopreserved homologous saphenous vein: early and late patency in coronary artery bypass surgical procedures. Gelbfish J, et al. **Ann Thorac Surg** 1986 Jul;42(1):70-3

Electronic microscopy of ischemic and protected myocardium. Study in rats. Jiménez-Cardoso JM, et al. **Arch Invest Med (Mex)** 1985 Apr-Jun;16(2):127-38 **(Eng, Spa)**

Corneal preservation [editorial] Kaufman HE. **Arch Ophthalmol** 1986 Sep;104(9):1285-6

Replication of fungi in K-Sol corneal preservation medium at 4 degrees C. Saggau DD, et al. **Arch Ophthalmol** 1986 Sep;104(9):1362-3

Chondroitin sulfate for corneal preservation at 4 degrees C. Evaluation by electron microscopy. Stein RM, et al. **Arch Ophthalmol** 1986 Sep;104(9):1358-61

Minnesota system corneal preservation. Lindstrom RL, et al. **Br J Ophthalmol** 1986 Jan;70(1):47-54

Collection, manipulation and freezing of haemopoietic stem cells. Gorin NC. **Clin Haematol** 1986 Feb;15(1):19-48 (166 ref.)

Investigations of low-temperature storage of articular cartilage for transplantation. Schachar NS, et al. **Clin Orthop** 1986 Jul;(208):146-50

The effects of high molecular weight dextran on the preservation of human corneas. Pels E, et al. **Cornea** 1984-85;3(3):219-27

Genetic damage is not produced by normal cryopreservation procedures involving either glycerol or dimethyl sulfoxide: a cautionary note, however, on possible effects of dimethyl sulfoxide. Ashwood-Smith MJ. **Cryobiology** 1985 Oct; 22(5):427-33

A technical bias: differences in cooling rates prevent ampoules from being a reliable index of stem cell cryopreservation in large volumes. Douay L, et al. **Cryobiology** 1986 Aug;23(4):296-301

Preservation of viable cells in the undercooled state. Mathias SF, et al. **Cryobiology** 1985 Dec;22(6):537-46

Clinical cryobiology of tissues: preservation of corneas. Taylor MJ. **Cryobiology** 1986 Aug;23(4):323-53 (170 ref.)

Postcryopreservation growth of human CFU-GM: sequential examination of methodologic factors. Abrams RA, et al. **Exp Hematol** 1985 Nov;13(10):1089-93

Lung fixation by airway instillation: effects on capillary hematocrit. Bur S, et al. **Exp Lung Res** 1985;9(1-2):57-66

Cryopreservation of cleaving embryos and expanded blastocysts in the human: a comparative study. Fehilly CB, et al. **Fertil Steril** 1985 Nov;44(5):638-44

Human embryo features that influence the success of cryopreservation with the use of 1,2 propanediol. Lassalle B, et al. **Fertil Steril** 1985 Nov;44(5):645-51

Preservation of human eggs and embryos. Trounson A. **Fertil Steril** 1986 Jul;46(1):1-12 (49 ref.)

Bone allografts of femoral heads: procurement and storage. Tomford WW, et al. **J Bone Joint Surg [Am]** 1986 Apr; 68(4):534-7

An improvement of the device for rapid freezing by use of liquid propane and the application of immunocytochemistry to the resin section of rapid-frozen, substitution-fixed anterior pituitary gland. Inoue K, et al. **J Electron Microsc (Tokyo)** 1982;31(1):93-7

A new technique for removal of amorphous phase tissue water without ice crystal damage: a preparative method for ultrastructural analysis and immunoelectron microscopy. Linner JG, et al. **J Histochem Cytochem** 1986 Sep;34(9):1123-35

Cryopreservation of human embryos: progress on the clinical use of the technique in human in vitro fertilization. Freemann L, et al. **J In Vitro Fert Embryo Transfer** 1986 Feb;3(1):53-61

Long-term storage of eight-cell mouse embryos at - 196 degrees C. Glenister PH, et al. **J In Vitro Fert Embryo Transfer** 1986 Feb;3(1):20-7

Nonfreezing technique for short-term storage of mouse embryos. Kasai M. **J In Vitro Fert Embryo Transfer** 1986 Feb;3(1):10-4

Factors affecting the survival of mouse embryos during freezing and thawing. Miyamoto H. **J In Vitro Fert Embryo Transfer** 1986 Feb;3(1):15-9

Mouse embryo cryobanking. Mobraaten LE. **J In Vitro Fert Embryo Transfer** 1986 Feb;3(1):28-32

Cryopreservation and transfer of baboon embryos. Pope CE, et al. **J In Vitro Fert Embryo Transfer** 1986 Feb;3(1):33-9

Experience with the cryopreservation of human embryos using the mouse as a model to establish successful techniques. Quinn P, et al. **J In Vitro Fert Embryo Transfer** 1986 Feb;3(1):40-5

Cryobiological principles of embryo freezing. Schneider U. **J In Vitro Fert Embryo Transfer** 1986 Feb;3(1):3-9

A comparison of freeze-dried allogeneic and fresh autologous vascularized rib grafts in dog radial discontinuity defects. Schaberg SJ, et al. **J Oral Maxillofac Surg** 1985 Dec; 43(12):932-7

Sucrose dilution of glycerol from mouse embryos frozen rapidly in liquid nitrogen vapour. Széll A, et al. **J Reprod Fertil** 1986 Jan;76(1):401-8

Studies of eye lens in poikilothermal animals. III. Long-term incubation of rainbow trout lenses. Hikida M, et al. **Jpn J Ophthalmol** 1986;30(1):43-50

Quick freezing of mouse embryos by direct plunge into liquid nitrogen vapor: effects of sugars. Takahashi Y, et al. **Jpn J Vet Res** 1985 Oct;33(3-4):141-4

Pregnancy after human oocyte cryopreservation. Chen C. **Lancet** 1986 Apr 19;1(8486):884-6

Improving Euro-Collins flushing solution's ability to protect kidneys from normothermic ischemia. Andrews PM, et al.

Miner Electrolyte Metab 1985;11(5):309–13

Decreased endothelial cell survival after transplantation of corneas preserved by three modifications of corneal organ culture technique. Bourne WM, et al. **Ophthalmology** 1985 Nov;92(11):1538–41

Use of cryoprotectant to maintain long-term peptide immunoreactivity and tissue morphology. Watson RE Jr, et al. **Peptides** 1986 Jan–Feb;7(1):155–9

Sperm cryopreservation preceding treatment of testis cancer. Lucchetta G, et al. **Prog Clin Biol Res** 1985;203:713–4

Cryopreservation of human fetal liver: factors influencing granulocyte–macrophage colony (CFU–GM) survival after cryopreservation. Moretti L, et al. **Prog Clin Biol Res** 1985; 193:121–33

X-ray microanalysis of biological tissues—an examination of comparative specimen preparation techniques using prostatic tissue as a model. Chandler JA.
Scan Electron Microsc 1985;(Pt 2):731–44

Post-mortem storage of tissue for X-ray microanalysis in pathology. Roomans GM, et al. **Scan Electron Microsc** 1985;(Pt 2):681–6

Myocardial preservation. Lazar HL, et al.
Surg Clin North Am 1986 Jun;66(3):467–75

Organ preservation. Pegg DE. **Surg Clin North Am** 1986 Jun; 66(3):617–32

Liquid storage of unseparated human bone marrow. Evaluation of hemstopoietic progenitors by clonal assay. Lasky LC, et al. **Transfusion** 1986 Jul–Aug;26(4):331–4

Cryopreservation of skin: a review. Baxter C, et al.
Transplant Proc 1985 Dec;17(6 Suppl 4):112–20

Single-donor cold storage versus machine perfusion in cadaver kidney preservation. Alijani MR, et al.
Transplantation 1985 Dec;40(6):659–61

Recent advances in preservation of viable corneal tissue. Grasl M, et al. **Wien Klin Wochenschr** 1986 May 2; 98(9):273–6

[Conjunctival grafts using lyophilized tissue] Straub W.
Bull Acad Natl Med (Paris) 1985 Mar;169(3):331–5 **(Fre)**

[Simplified procedure for cold preservation of human parathyroid gland tissue for replantation] Wagner PK, et al. **Chirurg** 1986 Apr;57(4):253–7 (Eng. Abstr.) **(Ger)**

[Bacteriologic studies on the preservation of bone implants] Junghannss U, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Sep;64(9):489–91 (Eng. Abstr.) **(Ger)**

[Experimental studies and clinical aspects of cold-preserved allogenic spongiosa] Ascherl R, et al. **Orthopade** 1986 Feb; 15(1):22–9 (Eng. Abstr.) **(Ger)**

[Bone banks. Equipment, tissue collection, cold preservation, organization, safety] Kuner EH, et al. **Orthopade** 1986 Feb; 15(1):16–21 (Eng. Abstr.) **(Ger)**

[Experiences with cryopreservation of the 3d larval stage of trichostrongyloids in ruminants] Ramp T, et al.
Schweiz Arch Tierheilkd 1986 Feb;128(2):79–86 (Eng. Abstr.) **(Ger)**

[Preservation at low temperature of subcellular particles of the cerebral cortex] Gross J, et al. **Z Med Lab Diagn** 1986; 27(1):13–7 (Eng. Abstr.) **(Ger)**

[Autotransplantation of cryopreserved human parathyroid tissue] Wagner PK, et al. **Zentralbl Chir** 1986;111(9):505–13 (Eng. Abstr.) **(Ger)**

[Initial results of a cryopreservation program for human ova and embryos] Feichtinger W, et al. **Zentralbl Gynakol** 1986; 108(5):305–15 (Eng. Abstr.) **(Ger)**

[Present status in the preservation and perfusion of the kidney for transplantation] Bertini M, et al.
Minerva Urol Nefrol 1985 Apr–Jun;37(2):117–27 (Eng. Abstr.) **(Ita)**

[Cryopreservation of bone marrow] Porcellini A, et al.
Riv Emoter Immunoematol 1985;32(2):143–9 **(Ita)**

[Histological study of the lung preserved for lung transplantation] Shirakusa T, et al.
Nippon Kyobu Shikkan Gakkai Zasshi 1986 Jan;24(1):7–15 (Eng. Abstr.) **(Jpn)**

[Studies of the corneal endothelium by specular microscope. III. Effect of surgical procedures and the methods of corneal preservation on the endothelium] Mrzygłód S.
Klin Oczna 1985 Apr;87(4):147–8 (Eng. Abstr.) **(Pol)**

[Prevention of the resorption of costal cartilage transplants subjected to the action of hydrochloric acid] Pawłowski A, et al. **Otolaryngol Pol** 1986;40(1):25–33 (Eng. Abstr.) **(Pol)**

[Collection and preservation of animal sera or organs and cells] Olinescu A. **Rev Ig [Bacteriol]** 1985 Apr–Jun; 30(2):173–83 **(Rum)**

[Transplantation of honey-preserved cartilage into the scleral ring] Olelnik SD. **Oftalmol Zh** 1985;(5):315–6 **(Rus)**

[Preparation of smears of isolated hepatocytes and the glycogen preservation in them after cryopreservation of the liver tissue] Kudriavtseva MV, et al. **Tsitologiia** 1986 Jan;28(1):107–10 (Eng. Abstr.) **(Rus)**

[Methods of sterilizing and preserving tendon transplants] Savel'ev VI, et al. **Vestn Khir** 1986 Mar;136(3):85–8 (Eng. Abstr.) **(Rus)**

VETERINARY

Effect of slow cooling end point temperature on survival of frozen bovine embryos. Farrand GD, et al.
J Anim Sci 1985 Aug;61(2):460–5

Deep freezing of horse embryos. Czlonkowska M, et al.
J Reprod Fertil 1985 Nov;75(2):485–90

TISSUE SURVIVAL

Clinical cryobiology of tissues: preservation of corneas. Taylor MJ. **Cryobiology** 1986 Aug;23(4):323–53 (170 ref.)

An in vivo test of viability for cryopreserved human skin. Merrell SW, et al. **Curr Surg** 1986 Jul–Aug;43(4):296–300

Survival and revival times of the retina: ERG studies at total ocular ischemia in rabbits and cats. Ulrich WD, et al.
Doc Ophthalmol 1986 Jun 16;63(1):91–9

Functional comparative histology. 4. Communication: Viability of organismic tissues. Kaiser HE.
Gegenbaurs Morphol Jahrb 1985;131(6):799–814

Factors affecting survival and implantation of cryopreserved human embryos. Cohen J, et al.
J In Vitro Fert Embryo Transfer 1986 Feb;3(1):46–52

Factors affecting the survival of mouse embryos during freezing and thawing. Miyamoto H.
J In Vitro Fert Embryo Transfer 1986 Feb;3(1):15–9

In search of an in vitro index of viability during pancreatic preservation. Garvin PJ, et al. **J Surg Res** 1986 May; 40(5):455–61

Assessment of renal viability by phosphorus-31 magnetic resonance spectroscopy. Bretan PN Jr, et al. **J Urol** 1986 Apr;135(4):866–71

[The clinical studies of relationship between ischemia-induced negative U wave and myocardial viability] Ono S. **Nippon Naika Gakkai Zasshi** 1986 Apr; 75(4):495–506 **(Jpn)**

[Interaction of togaviruses with cultured pancreatic tissue of experimental animals as a criterium of its viability] Trégerová V, et al. **Bratisl Lek Listy** 1986 Mar; 85(3):298–304 (Eng. Abstr.) **(Slo)**

DRUG EFFECTS

The effects of high molecular weight dextran on the preservation of human corneas. Pels E, et al. **Cornea** 1984–85;3(3):219–27

Improved survival of island flaps after prolonged ischemia by perfusion with superoxide dismutase. Sagi A, et al.
Plast Reconstr Surg 1986 Apr;77(4):639–44

[Effect of lithium oxybutyrate on the viability of preserved donor kidney] Sholokhov VM, et al. **Farmakol Toksikol** 1986 May–Jun;49(3):69–70 (Eng. Abstr.) **(Rus)**

TISSUE THERAPY

PHA-induced LRP enhancement of normal PBL by Rollin. Pérez-Cuadrado S, et al. **Rev Esp Oncol** 1984;31(1):35–48

[In vivo effect of Resistocell on the Phytohemagglutinin Immunocompetence Index (rabbits)] Llorente L, et al.
Rev Esp Oncol 1984;31(1):27–33 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Fresh cell therapy followed by fatal coma. Goebel HH, et al. **J Neurol** 1986 Aug;233(4):242–7

METHODS

[Use of placental suspensions in geriatric practice] Korkuško OV, et al. **ZFA** 1986 Jul–Aug;41(4):237–46 (Eng. Abstr.) **(Ger)**

TISSUE-TYPE PLASMINOGEN ACTIVATOR see **PLASMINOGEN ACTIVATOR, TISSUE-TYPE**

TISSUE TYPING see **HISTOCOMPATIBILITY TESTING**

TITANIUM

Comparison of ceramic and titanium implants in cats. Barth E, et al. **Acta Orthop Scand** 1985 Dec;56(6):491–5

The bone-anchored hearing aid. Principal design and a psychoacoustical evaluation. Håkansson B, et al.
Acta Otolaryngol (Stockh) 1985 Sep–Oct;100(3–4):229–39

Acceleration levels at hearing threshold with direct bone conduction versus conventional bone conduction. Håkansson B, et al. **Acta Otolaryngol (Stockh)** 1985 Sep–Oct;100(3–4):240–52

The super-elastic property of the Japanese NiTi alloy wire for use in orthodontics. Miura F, et al.
Am J Orthod Dentofacial Orthop 1986 Jul;90(1):1–10

Comparison of porous titanium-surfaced and standard smooth-surfaced bone plates and screws in an unstable fracture model in dogs. Orton EC, et al.
Am J Vet Res 1986 Mar;47(3):677–82

The reduction of alpha-ketocarboxylic acids and alpha-dicarboxyl compounds with titanium(III) chloride. Akers HA, et al. **Anal Biochem** 1986 May 1;154(2):559–63

Rapid detection of salmonellae by immunoassays with titanous hydroxide as the solid phase. Ibrahim GF, et al.
Appl Environ Microbiol 1985 Sep;50(3):670–5

Post-sintering heat treatments for porous coated Ti-6A1-4V alloy. Cook SD, et al.
Biomater Med Devices Artif Organs 1985;13(1–2):37–50

An ultrastructural characterization of the interface between bone and sputtered titanium or stainless steel surfaces. Albrektsson T, et al. **Biomaterials** 1986 May;7(3):201–5

Bioactive glass ceramic on titanium substrate: the effect of molybdenum as an intermediate bond coating. Barth E, et al. **Biomaterials** 1986 Jul;7(4):273–6

Structural analysis of hydroxyapatite coatings on titanium. Ducheyne P, et al. **Biomaterials** 1986 Mar;7(2):97–103

Titanium-aluminium-niobium alloy, development for biocompatible, high strength surgical implants. Semlitsch M, et al. **Biomed Tech (Berlin)** 1985 Dec;30(12):334–9

Titanium fibermetal segmental replacement prostheses. A radiographic analysis and review of current status. Heck DA, et al. **Clin Orthop** 1986 Mar;(204):266–85

Titanium plasma spray screw implant system for reconstruction of the edentulous mandible. Babbush CA.
Dent Clin North Am 1986 Jan;30(1):117–31

Mechanical and biochemical effects of man-made fibres and metals in the human eye, a SEM-study. Jongebloed WL, et al. **Doc Ophthalmol** 1986 Jan 15;61(3–4):303–12

Porous titanium dental implants in primates and humans. Young FA, et al. **Eng Med** 1984 Oct;13(4):203–6

Marginal tissue reactions at osseointegrated titanium fixtures (I). A 3-year longitudinal prospective study. Adell R, et al. **Int J Oral Maxillofac Surg** 1986 Feb;15(1):39–52

Titanium mesh and particulate cancellous bone and marrow grafts to augment the maxillary alveolar ridge. Gongloff RK, et al. **Int J Oral Maxillofac Surg** 1986 Jun;15(3):263–8

Marginal tissue reactions at osseointegrated titanium fixtures. (II) A cross-sectional retrospective study. Lekholm U, et al. **Int J Oral Maxillofac Surg** 1986 Feb;15(1):53–61

Scanning electron microscopic study of the reaction of human bone to a titanium implant. Krekeler G, et al.
Int J Oral Surg 1985 Oct;14(5):447–50

Mechanical properties and biomechanical compatibility of porous titanium for dental implants. Asaoka K, et al.
J Biomed Mater Res 1985 Jul–Aug;19(6):699–713

Percutaneous healing of clinical tympanic membrane implants. Powers DL, et al. **J Biomed Mater Res** 1986 Feb; 20(2):143–51

The fatigue strength of porous-coated Ti-6%Al-4%V implant alloy. Yue S, et al. **J Biomed Mater Res** 1984 Nov–Dec;18(9):1043–58

The effect of load alteration on the biological and biomechanical performance of a titanium fiber-metal segmental prosthesis. Heck DA, et al.
J Bone Joint Surg [Am] 1986 Jan;68(1):118–26

Immobilization of microorganisms for detection by solid-phase immunoassays. Ibrahim GF, et al.
J Clin Microbiol 1985 Sep;22(3):361–5

A clinical evaluation of fixed-bridge restorations supported by the combination of teeth and osseointegrated titanium implants. Ericsson I, et al. **J Clin Periodontol** 1986 Apr; 13(4):307–12

A histological assessment of the initial healing response adjacent to porous-surfaced, titanium alloy dental implants in dogs. Deporter DA, et al. **J Dent Res** 1986 Aug; 65(8):1064–70

A clinical and radiographic assessment of a porous-surfaced, titanium alloy dental implant system in dogs. Deporter DA, et al. **J Dent Res** 1986 Aug;65(8):1071–7

Titanium plasma-sprayed (TPS) screw implants for the reconstruction of the edentulous mandible. Babbush CA, et al. **J Oral Maxillofac Surg** 1986 Apr;44(4):274–82

Modification of the maxillary step osteotomy and stabilization with titanium mesh. Stringer DE, et al.
J Oral Maxillofac Surg 1986 Jun;44(6):487–8

A fixed prosthodontic technique for mandibular osseointegrated titanium implants. Loos LG.
J Prosthet Dent 1986 Feb;55(2):232–42

Titanium: the mystery metal of implant dentistry. Dental materials aspects. Parr GR, et al. **J Prosthet Dent** 1985 Sep;54(3):410–4

Soft tissue response to endosseous titanium oral implants. Toth RW, et al. **J Prosthet Dent** 1985 Oct;54(4):564–7

A speech-to-noise ratio test with the bone-anchored hearing aid: a comparative study. Carlsson P, et al.
Otolaryngol Head Neck Surg 1986 Apr;94(4):421–6

Study of titanium screws as retrograde fillings using bacteria and dye. Luomanen M, et al. **Scand J Dent Res** 1985 Dec; 93(6):555–9

Marginal tissue reactions at osseointegrated titanium fixtures. Adell R, et al. **Swed Dent J [Suppl]** 1985;28:175–81

Aspects of surface physics on titanium implants. Kasemo B, et al. **Swed Dent J [Suppl]** 1985;28:19–36

[Reconstruction of maxillofacial defects and malformations with a carbon and titanium alloy] Ying RQ.
Chung Hua Kou Chiang Ko Tsa Chih 1985 Nov;20(6):351–3, 383 (Eng. Abstr.) **(Chi)**

[Results with the Ostéal total hip prosthesis. Apropos of 550 prostheses] Witvoet J, et al. **Acta Orthop Belg** 1985 Mar–Jun;51(2–3):288–97 (Eng. Abstr.) **(Fre)**

[Response of periodontal tissue to bone-integrated titanium implants] Verbist D. **Rev Belge Med Dent** 1985 Jul–Aug; 40(4):102–7 (Eng. Abstr.) **(Fre)**

[Preservation of temporomandibular joint continuity and application of full-core titanium screws in the bridging of lower jaw defects] Raveh J, et al.
Schweiz Monatsschr Zahnmed 1985 Oct;95(10):925–36 (Eng. Abstr.) **(Ger)**

[Optic and electronic microscope study on the implant-tissue interface of titanium dental implants] Ruggeri A, et al.
Minerva Stomatol 1985 Sep–Oct;34(5):835–45 (Eng. Abstr.) **(Ita)**

[Titanium for medical and dental use] Ida K.
Iyodenshi To Seitai Kogaku 1986 Feb;24(1):47–54 (61 ref.) **(Jpn)**

[Experimental study on biomaterials coated with titanium-nitride ceramic for orthopedics] Suka T.
Nippon Seikeigeka Gakkai Zasshi 1986 Jun;60(6):637–47

(Eng. Abstr.) (Jpn)
[Preparation of implants made of titanium and cobalt-chromium alloys] Surov ON.
Stomatologiia (Mosk) 1986 Jan-Feb;65(1):58-61 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Preliminary studies of the histopathological responses to Ti-13% Cu casting alloys. Keller JC, et al.
Biomaterials 1985 Jul;6(4):252-6

ANALYSIS

CuSO4-TiO2 as Kjeldahl digestion catalyst in manual determination of crude protein in animal feeds. Kane PF.
J Assoc Off Anal Chem 1986 Jul-Aug;69(4):664-6

ANTAGONISTS & INHIBITORS

[Effect of aluminium citrate on electrokinetic potential on the surface of SiO2 and TiO2 particles] Cao CJ.
Chung Hua Yu Fang I Hsueh Tsa Chih 1985 May; 19(3):143-6 (Eng. Abstr.) (Chi)

METABOLISM

Light induced H2 evolution in a hydrogenase-TiO2 particle system by direct electron transfer or via rhodium complexes. Cuendet P, et al. **Biochimie** 1986 Jan; 68(1):217-21

PHARMACODYNAMICS

Evaluation of the biocompatibility of polymers implanted into bone using titanium mosaic on bone cement. Linder L, et al. **Biomaterials** 1986 Jan;7(1):17-9

The biological response to titanium and titanium-aluminium-vanadium alloy particles. I. Tissue culture studies. Rae T. **Biomaterials** 1986 Jan;7(1):30-6

The biological response to titanium and titanium-aluminium-vanadium alloy particles. II. Long-term animal studies. Rae T. **Biomaterials** 1986 Jan; 7(1):37-40

The in vitro activities of a highly carcinogenic mineral fibre--potassium octatitanate. Poole A, et al.
Br J Exp Pathol 1986 Apr;67(2):289-96

Production of LiF:Ti thermoluminescence dosimeter material. Aypar A, et al. **Int J Appl Radiat Isot** 1985 Jul; 36(7):566-8

Biological reactivity of different crystalline forms of titanium dioxide in vitro and in vivo. Richards RJ, et al.
Scand J Work Environ Health 1985 Aug;11(4):317-20

[Effect of titanium phosphate, zirconium oxide and a mixture of ammonium phosphotungstenate with zirconium phosphate on the elimination of radioactive cesium from the bodies of rats] Majle T, et al.
Rocz Panstw Zakl Hig 1985;36(5):395-9 (Eng. Abstr.) (Pol)

[Comparative characteristics of the elasticity and magnitude of the forces of orthodontic wire elements made of stainless steel and of a titanium nickelide-based alloy] Mirgazizov MZ, et al. **Stomatologiia (Mosk)** 1985 Sep-Oct;64(5):61-4 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

Tumor inhibition by titanocene complexes: activity against sarcoma 180. Köpf-Maier P, et al. **Anticancer Res** 1986 Jan-Feb;6(1):33-7

Noncemented total knee arthroplasty. Landon GC, et al.
Clin Orthop 1986 Apr;(205):49-57

Activity of titanocene dihalides against a human colon carcinoma heterotransplanted to athymic mice. Köpf-Maier P, et al. **Eur J Cancer Clin Oncol** 1985 Jul; 21(7):853-7

[Biomedical characteristics of designs made from an alloy with thermomechanical memory based on x-ray and histological research data] Panikarovskii VV, et al.
Stomatologiia (Mosk) 1986 Jan-Feb;65(1):4-6 (Eng. Abstr.) (Rus)

TOXICITY

Titanium dioxide deposition and adenocarcinoma of the lung. Yamadori I, et al. **Acta Pathol Jpn** 1986 May;36(5):783-90

Pattern of toxicity by titanocene dichloride in mice: hematologic parameters. Köpf-Maier P, et al.
Anticancer Res 1986 Mar-Apr;6(2):235-40

Experimental studies on the pneumoconiosis caused by inhalation of titan dust. Shirakawa M. **Ind Health** 1985; 23(2):107-26

Pattern of toxicity by titanocene dichloride in mice. Blood and urine chemical parameters. Köpf-Maier P, et al.
J Cancer Res Clin Oncol 1986;111(3):243-7

Inhalation toxicity study on rats exposed to titanium tetrachloride atmospheric hydrolysis products for two years. Lee KP, et al. **Toxicol Appl Pharmacol** 1986 Mar 30;83(1):30-45

Glucocorticoid induction of cleft palate after treatment with titanocene dichloride? Köpf-Maier P. **Toxicology** 1985 Oct; 37(1-2):111-6

Organ toxicity of metallocene dichlorides. The effect of (C5H5)2TiCl2 and (C5H5)2VCl2 on renal structure. Köpf-Maier P, et al. **Toxicology** 1986 Jan;38(1):81-90

[Effect of fibrogenous dust on oxygen consumption by the peritoneal macrophages (electron paramagnetic resonance study)] Velichkovskii BT, et al. **Gig Tr Prof Zabol** 1985 Oct;(10):31-4 (Eng. Abstr.) (Rus)

[Reaction of mandibular bone tissue to the implantation of designs made of a cobalt-chromium alloy coated with titanium nitride and uncoated] Panikarovskii VV, et al.
Stomatologiia (Mosk) 1985 Jul-Aug;64(4):4-7 (Eng. Abstr.) (Rus)

TIXANTONE see **LUCANTHONE**

TN ELEMENTS see **DNA INSERTION ELEMENTS**

TNT see **TRINITROTOLUENE**

TOAD, ARGENTINE see **BUFO ARENARUM**

TOAD, COMMON see **BUFO BUFO**

TOAD, FIRE-BELLIED see **ANURA**

TOAD, GIANT see **BUFO MARINUS**

TOAD, MARINE see **BUFO MARINUS**

TOAD VENOMS see **AMPHIBIAN VENOMS**

TOADS AND FROGS see **ANURA**

TOADS, TRUE see **BUPONIDAE**

TOBACCO

see related
NICOTINE
SMOKING
TOBACCO USE DISORDER

Psychosocial correlates of adolescent smokeless tobacco use. Chassin L, et al. **Addict Behav** 1985;10(4):431-5

Tobacco effects on cortical evoked potentials to task stimuli. Knott VJ. **Addict Behav** 1986;11(2):219-23

Locus of control and smokeless tobacco use among adolescents. Dignan M, et al. **Adolescence** 1986 Summer; 21(82):377-81

Cigarette smoke increases the penetration of asbestos fibers into airway walls. McFadden D, et al. **Am J Pathol** 1986 Apr;123(1):95-9

Snuff and neuromuscular performance [letter] Edwards SW, et al. **Am J Public Health** 1986 Feb;76(2):206

Conducting smokeless tobacco cessation clinics [letter] Glover ED. **Am J Public Health** 1986 Feb;76(2):207

Changing trends of tobacco use in a teenage population in western Pennsylvania. Guggenheimer J, et al.
Am J Public Health 1986 Feb;76(2):196-7

Intervention of tobacco chewing and smoking habits [letter] Gupta PC, et al. **Am J Public Health** 1986 Jun;76(6):709

Longitudinal patterns of cigarette smoking and smokeless tobacco use in youth: the Bogalusa Heart Study. Hunter SM, et al. **Am J Public Health** 1986 Feb;76(2):193-5

Patterns of smokeless tobacco use in a population of high school students. Marty PJ, et al. **Am J Public Health** 1986 Feb;76(2):190-2

Tobacco habits [editorial] Rothman KJ.
Am J Public Health 1986 Feb;76(2):133

NIH consensus development conference: health implications of smokeless tobacco. **Am Pharm** 1986 Apr;NS26(4):18-20

Augmentation of elastase-induced emphysema by cigarette smoke. Description of a model and a review of possible mechanisms. Kimmel EC, et al. **Am Rev Respir Dis** 1985 Oct;132(4):885-93

Hypertension from smokeless tobacco [letter] Wells DG, et al. **Anesthesiology** 1986 Sep;65(3):339

Health implications of smokeless tobacco: a National Institutes of Health Consensus Development Conference. Nash DB. **Ann Intern Med** 1986 Mar;104(3):436-7

Occupational health problems among tobacco processing workers: a preliminary study. Ghosh SK, et al.
Arch Environ Health 1985 Nov-Dec;40(6):318-21

The role of tobacco smoke, iron ore mine dusts, viruses, and chemicals in experimental cancer. Keast D, et al.
Arch Environ Health 1985 Nov-Dec;40(6):296-300

Signs and symptoms of tobacco withdrawal. Hughes JR, et al. **Arch Gen Psychiatry** 1986 Mar;43(3):289-94

Smokeless tobacco. An open letter to the Surgeon General [editorial] Bailey BJ. **Arch Otolaryngol** 1985 Nov; 111(11):707-8

The effect of smoke generation and manipulation variables on the cytotoxicity of mainstream and sidestream cigarette smoke to monolayer cultures of L-929 cells. Sonnenfeld G, et al. **Arch Toxicol** 1985 Dec;58(2):120-2

Cigarette tar causes single-strand breaks in DNA. Borish ET, et al. **Biochem Biophys Res Commun** 1985 Dec 17; 133(2):780-6

Health implications of smokeless tobacco. US National Institutes of Health Consensus Development Conference. Stephen KW. **Br Dent J** 1986 Jun 7;160(11):370-2

Data note--1. Alcohol, tobacco and taxation. Godfrey C, et al. **Br J Addict** 1986 Feb;81(1):143-9

Dangers of snuff, both "wet" and "dry" [editorial] Harrison DF. **Br Med J [Clin Res]** 1986 Aug 16;293(6544):405-6

Awareness of Skoal Bandits [letter] Jones PM.
Br Med J [Clin Res] 1986 May 3;292(6529):1201

Selenium mediated reduction of the toxicity expression of cigarette smoke condensate in Photobacterium phosphoreum. Yates IE, et al.
Bull Environ Contam Toxicol 1986 Feb;36(2):278-85

Smokeless tobacco [letter] Reay-Young PS. **CA** 1986 Mar-Apr;36(2):127-8

Oral cancer in Saudi Arabia: the role of alqat and alshammah. Ibrahim EM, et al. **Cancer Detect Prev** 1986;9(3-4):215-8

Oral cancer and cultural practices in relation to betel quid and tobacco chewing and smoking. Jayant K, et al.
Cancer Detect Prev 1986;9(3-4):207-13

Accumulation and persistence of DNA adducts in respiratory tissue of rats following multiple administrations of the tobacco specific carcinogen 4-(N-methyl-N-nitrosamino)-1-(3-pyridyl)-1-butanone. Belinsky SA, et al. **Cancer Res** 1986 Mar;46(3):1280-4

Rat lung macrophage tumor cytotoxin production: impairment by chronic in vivo cigarette smoke exposure. Flick DA, et al. **Cancer Res** 1985 Nov;45(11 Pt 1):5225-9

Induction of oral cavity tumors in F344 rats by tobacco-specific nitrosamines and snuff. Hecht SS, et al.
Cancer Res 1986 Aug;46(8):4162-6

Effects of chronic daily exposure to tobacco smoke on the high leukemic AKR strain of mice. Nguyen DT, et al.
Cancer Res 1986 Jul;46(7):3334-40

Effect of sidestream and mainstream smoke exposure on in vitro interferon-alpha/beta production by L-929 cells. Sonnenfeld G, et al. **Cancer Res** 1986 Jun;46(6):2779-83

Serum angiotensin-converting enzyme and lysosomal enzymes in tobacco workers. Huuskonen MS, et al.
Chest 1986 Feb;89(2):224-8

An in vivo radiotracer method to allow for cigarette filter ventilation during smoking. Woodman G, et al.
Clin Phys Physiol Meas 1985 Nov;6(4):361-4

Health implications of smokeless tobacco use. National Institutes of Health. **Cons Med** 1986 May;50(5):331-4

Smokeless tobacco and theophylline clearance [letter] Rockwood R, et al. **Drug Intell Clin Pharm** 1986 Jul-Aug; 20(7-8):624-5

Effects of cigarette smoke and dietary vitamin E levels on selected lung and hepatic biotransformation enzymes in mice. Graziano MJ, et al. **Drug Nutr Interact** 1985; 3(4):213-22

Study of DNA methylation by tobacco-specific N-nitrosamines. Castonguay A, et al.
Environ Health Perspect 1985 Oct;62:197-202

Induction of sister chromatid exchanges by coal dust and tobacco snuff extracts in human peripheral lymphocytes. Tucker JD, et al. **Environ Mutagen** 1985;7(3):313-24

Inhibition of cigarette smoke-induced airway secretory cell hyperplasia by indomethacin, dexamethasone, prednisolone, or hydrocortisone in the rat. Rogers DF, et al. **Exp Lung Res** 1986;10(3):285-98

Inhibition by oral N-acetylcysteine of cigarette smoke-induced "bronchitis" in the rat.Rogers DF, et al.
Exp Lung Res 1986;10(3):267-83

Indomethacin and flurbiprofen speed recovery of rat bronchial epithelium after exposure to cigarette smoke. Rogers DF, et al. **Exp Lung Res** 1986;10(3):299-312

N-nitrosamines in the saliva of tobacco chewers or masheri users. Bhide SV, et al. **Food Chem Toxicol** 1986 Apr; 24(4):293-7

A method to label cigarette smoke with 99mTc. McNamee JE, et al. **Health Phys** 1985 Dec;49(6):1189-92

Tobacco habits other than smoking.
IARC Monogr Eval Carcinog Risk Chem Hum 1985 Sep; 37:37-136 (316 ref.)

Tobacco habits other than smoking; betel-quid and areca-nut chewing; and some related nitrosamines. IARC Working Group. Lyon, 23-30 October 1984.
IARC Monogr Eval Carcinog Risk Chem Hum 1985 Sep; 37:1-268

Methods of reduction of harmful constituents in bidi smoke. Pakhale SS, et al. **Indian J Chest Dis Allied Sci** 1985 Jul-Sep;27(3):148-52

Psychobiological changes in female subjects exposed to tobacco dust. Bhattacharya SK, et al.
Indian J Exp Biol 1986 Mar;24(3):174-8

Occupational health problems among workers handling Virginia tobacco. Ghosh SK, et al.
Int Arch Occup Environ Health 1986;58(1):47-52

The reversibility of leukoplakia caused by smokeless tobacco. Giunta JL, et al. **J Am Dent Assoc** 1986 Jul;113(1):50-2

Smokeless tobacco: a potential hazard to infants and children. Goepferd SJ. **J Am Dent Assoc** 1986 Jul;113(1):49-50

Alterations in prostacyclin and thromboxane formation by chronic cigarette smoke exposure: temporal relationships and whole smoke vs. gas phase. Lubawy WC, et al.
J Appl Toxicol 1986 Apr;6(2):77-80

The smokeless tobacco industry's failure to warn. A case for the courts. Ellington D. **J Leg Med (Chicago)** 1985 Dec; 6(4):489-507

Smokeless tobacco: a problem for health professionals and educators. West JT. **J Med Assoc Ga** 1986 May;75(5):278-9

Where there's smokeless, there's also fire [editorial] Laskin DM. **J Oral Maxillofac Surg** 1986 May;44(5):339

On smokeless tobacco, addictive behavior and warning labels. Shaffer HJ. **J Subst Abuse Treat** 1986;3(1):41-6

Consensus conference. Health applications of smokeless tobacco use. **JAMA** 1986 Feb 28;255(8):1045-8

Health effects of smokeless tobacco. Council on Scientific Affairs. **JAMA** 1986 Feb 28;255(8):1038-44

Media advertising for tobacco products. Board of Trustees reports. **JAMA** 1986 Feb 28;255(8):1033
Tobacco product liability. **JAMA** 1986 Feb 28;255(8):1034–7
Use of smokeless tobacco among adolescents [letter] Berman EJ, et al. **JAMA** 1986 Jun 20;255(23):3245
The first amendment and cigarette advertising. Blasi V, et al. **JAMA** 1986 Jul 25;256(4):502–9
Strategies to reduce cigarette sales. Excise taxes and beyond. Blum A. **JAMA** 1986 Feb 28;255(8):1049–50
Killing forests to cure tobacco [letter] Bordin GM. **JAMA** 1986 Jun 20;255(23):3244
Promotion of cigarettes in developing countries. Davis RM. **JAMA** 1986 Feb 28;255(8):993
Changing the federal cigarette excise tax [letter] Dykers JR Jr. **JAMA** 1986 Aug 15;256(7):862
Tobacco–addiction–death link shown but labels don't tell it [news] Goldsmith MF. **JAMA** 1986 Feb 28;255(8):997–8, 1003
Who says tobacco's bad for health? WHO! [news] Gunby P. **JAMA** 1986 Feb 28;255(8):1000
Legislative action on tobacco and smoking [letter] Hatch OG. **JAMA** 1986 Jun 20;255(23):3244
Tobacco: for consenting adults in private only [editorial] Lundberg GD, et al. **JAMA** 1986 Feb 28;255(8):1051–3
Tobacco, President Carter, and changing times [letter] Lutschg JH. **JAMA** 1986 Feb 28;255(8):1015
Shall we continue to climb? [editorial] McAfee RE. **JAMA** 1986 Feb 28;255(8):1055
Smoke exposure in pipe and cigar smokers. Serum thiocyanate measures. Pechacek TF, et al. **JAMA** 1985 Dec 20;254(23):3330–2
Smoking and health implications of a change in the federal cigarette excise tax. Warner KE. **JAMA** 1986 Feb 28; 255(8):1028–32
Chronic inhalation studies in mice. II. Effects of long–term exposure to 2R1 cigarette smoke on (C57BL/Cum x C3H/AnfCum)F1 mice. Henry CJ, et al. **JNCI** 1986 Jul; 77(1):203–12
Detection of 2–amino–3–methylimidazo[4,5–f]quinoline in cigarette smoke condensate. Yamashita M, et al. **Jpn J Cancer Res** 1986 May;77(5):419–22
Oral snuff: a preventable carcinogenic hazard [editorial] **Lancet** 1986 Jul 26;2(8500):198–200
Intervention study for primary prevention of oral cancer among 36 000 Indian tobacco users. Gupta PC, et al. **Lancet** 1986 May 31;1(8492):1235–9
Buccal absorption of nicotine from smokeless tobacco sachets [letter] Russell MA, et al. **Lancet** 1985 Dec 14;2(8468):1370
Future of low–tar cigarettes [letter] Simpson D. **Lancet** 1985 Dec 14;2(8468):1359–60
Chronic cigarette sidestream smoke exposure increases rat trachea ornithine decarboxylase activity. Olson JW. **Life Sci** 1985 Dec 9;37(23):2165–71
French diplomat proclaims the medicinal properties of tobacco. Kyle RA, et al. **Mayo Clin Proc** 1986 Sep; 61(9):758
He who sups with the devil . . . [editorial] Shaw J. **Med J Aust** 1986 Jun 9;144(12):617
Snuff–dipping in college students: a clinical profile. Palladino G, et al. **Milit Med** 1986 Jun;151(6):342–6
Genotoxicity of 'shamma', a chewing material suspected of causing oral cancer in Saudi Arabia. Hannan MA, et al. **Mutat Res** 1986 Jan–Feb;169(1–2):41–6
Antimutagenic activity of some naturally occurring compounds towards cigarette–smoke condensate and benzo[a]pyrene in the Salmonella/microsome assay. Terwel L, et al. **Mutat Res** 1985 Oct;152(1):1–4
The pathogenesis of atherosclerosis—and an exchange on research support by the tobacco industry [letter] **N Engl J Med** 1986 Sep 4;315(10):643–5
Tobacco–products liability lawsuits as an anti–smoking strategy [letter] Charney ML. **N Engl J Med** 1986 Feb 27;314(9):587
The reemergence of smokeless tobacco. Connolly GN, et al. **N Engl J Med** 1986 Apr 17;314(16):1020–7 (159 ref.)
Rising mortality from cancer of the tongue in young white males [letter] Depue RH. **N Engl J Med** 1986 Sep 4; 315(10):647
The campaign against smokeless tobacco [editorial] Koop CE. **N Engl J Med** 1986 Apr 17;314(16):1042–4
Smokeless tobacco use among native American adolescents [letter] Schinke SP, et al. **N Engl J Med** 1986 Apr 17; 314(16):1051–2
Health implications of smokeless tobacco use. **Nat Inst Health Consensus Dev Conf Consensus Statement** 1986;6(1):1–6
Smokeless tobacco: a future health concern for North Carolina? [letter] Glover ED. **NC Med J** 1985 Oct; 46(10):549–50
Effects of tobacco and distraction on sensory and slow cortical evoked potentials during task performance. Knott VJ. **Neuropsychobiology** 1985;13(3):136–40
An assessment of the effectiveness of nicotine chewing gum: unfulfilled expectations. Feldman J. **NY State J Med** 1985 Jul;85(7):378–80
Economic dependence on tobacco manufacturing in Northern Ireland. An obstacle to prevention. Scally GJ. **NY State J Med** 1985 Jul;85(7):396–9
Local values versus tobacco industry power. The experience of GASP of Massachusetts. Sweda EL Jr. **NY State J Med** 1985 Jul;85(7):375–7
Oral cancer induced in hamsters with herpes simplex infection and simulated snuff dipping. Park NH, et al. **Oral Surg Oral Med Oral Pathol** 1986 Aug;62(2):164–8
American Academy of Pediatrics. Smokeless tobacco—a carcinogenic hazard to children. Committee on Environmental Hazards. **Pediatrics** 1985 Dec;76(6):1009–11
Estimates of maximum or average cigarette tar, nicotine, and carbon monoxide yields can be obtained from yields under standard conditions. Rickert WS, et al. **Prev Med** 1986 Jan; 15(1):82–91
Health implications of smokeless tobacco use. **Public Health Rep** 1986 Jul–Aug;101(4):349–54
Health consequences of using smokeless tobacco: summary of the Advisory Committee's report to the Surgeon General. Cullen JW, et al. **Public Health Rep** 1986 Jul–Aug; 101(4):355–73 (270 ref.)
Smoking and smokeless tobacco use among adolescents: trends and intervention results. Schinke SP, et al. **Public Health Rep** 1986 Jul–Aug;101(4):373–8
Increase of serum angiotensin–converting enzyme level after exposure to cigarette smoke and nicotine infusion in dogs. Sugiyama Y, et al. **Respiration** 1986;49(4):292–5
Snuff–induced lesions in Finnish recruits. Jungell P, et al. **Scand J Dent Res** 1985 Oct;93(5):442–7
Smokeless tobacco—an overview for physicians. Dančov S, et al. **West J Med** 1986 Jul;145(1):11–3
[Occurrence of acute and chronic pulmonary disease in the tobacco industry] Lander F. **Ugeskr Laeger** 1986 Jun 30; 148(27):1697–700 (Eng. Abstr.) **(Dan)**
[Effects of the gas phase of cigarette smoke on the induction of the petite colony mitochondrial mutation by ethidium bromide in yeast] Fayeulle JP. **Mutat Res** 1985 Oct–Nov; 158(1–2):69–75 (Eng. Abstr.) **(Fre)**
[Importance of aryl hydrocarbon hydroxylase in laryngeal oncogenesis. Preliminary data] Sartoris A, et al. **Acta Otorhinolaryngol Ital** 1985 Nov–Dec;5(6):579–87 (Eng. Abstr.) **(Ita)**
[Effect of tobacco smoke on pH, serum antiprotease capacity and trypsin activity in vitro studies] Nowak D, et al. **Pol Tyg Lek** 1985 Dec 2;40(48):1341–4 (Eng. Abstr.) **(Pol)**
[Toxic properties of tobacco dust] Shpirt MB, et al. **Gig Tr Prof Zabol** 1985 Dec;(12):35–6 **(Rus)**
[The harmfulness of tobacco] Gilsanz García V. **An R Acad Nac Med (Madr)** 1985;102(4):403–30 **(Spa)**
[Abuse of nicotine chewing gum made a non–smoker into a snuff user] Blix O. **Lakartidningen** 1986 Jul 9; 83(28–29):2489 **(Swe)**

ANALYSIS

Effects of cigarette nicotine content on smoking behavior of baboons. Rogers WR, et al. **Addict Behav** 1985; 10(3):225–33
Determination of 28 elements in American cigarette tobacco by neutron–activation analysis. Iskander FY, et al. **Analyst** 1986 Jan;111(1):107–9
Cigarettes as a source of some trace and heavy metals and pesticides in man. Mussalo–Rauhamaa H, et al. **Arch Environ Health** 1986 Jan–Feb;41(1):49–55
Cadmium and lead in cigarettes and in smoke condensate. Ivičšić N, et al. **Arh Hig Rada Toksikol** 1985 Jun; 36(2):157–64
Absorption of cholesterol and beta–sitosterol from cigarette smoke in Macaca mulatta. Malinow MR, et al. **Atherosclerosis** 1986 Apr;60(1):15–21
Tar and nicotine yields of U.K. cigarettes 1972–1983: sales–weighted estimates from non–industry sources. Jarvis MJ, et al. **Br J Addict** 1985 Dec;80(4):429–34
Contamination of dairy and tobacco products by trace quantities of nitrosodiethanolamine (NDELA). Okieimen FE, et al. **Bull Environ Contam Toxicol** 1985 Oct; 35(4):466–70
Determination of chlorinated pesticides in tobacco. Waliazewski SM, et al. **Bull Environ Contam Toxicol** 1986 Feb;36(2):230–3
Accumulation of 4–(N–methyl–N–nitrosamino)–1–(3–pyridyl)–1–butanone in alkaloid genotypes of burley tobacco during postharvest processing: comparisons with N'–nitrosonornicotine and probable nitrosamine precursors. Andersen RA, et al. **Cancer Res** 1985 Nov;45(11 Pt 1):5287–93
Identification, occurrence and mutagenicity in Salmonella typhimurium of two synthetic nitroarenes, musk ambrette and musk xylene, in Indian chewing tobacco and betel quid. Nair J, et al. **Food Chem Toxicol** 1986 Jan;24(1):27–31
Normalized specific activities for Pu deposition onto foliage. Pinder JE 3d, et al. **Health Phys** 1985 Dec;49(6):1280–3
Chemistry of tobacco and tobacco smoke in chutta—a homemade cigar: a preliminary study. Malik SK, et al. **Int J Clin Pharmacol Ther Toxicol** 1985 Nov;23(11):604–5
Liquid chromatographic determination of benzo[a]pyrene in total particulate matter of cigarette smoke. Tomkins BA, et al. **J Assoc Off Anal Chem** 1985 Sep–Oct;68(5):935–40
Phlegm production and lung function among cigarette smokers changing tar groups during the 1970s. Peach H, et al. **J Epidemiol Community Health** 1986 Jun;40(2):110–6
Inactivation of alveolar macrophage transglutaminase by oxidants in cigarette smoke. Roth WJ, et al. **J Leukocyte Biol** 1986 Jun;39(6):629–44
Cadmium and nickel in mainstream particulates of cigarettes containing tobacco grown on a low–cadmium soil–sludge mixture. Bache CA, et al. **J Toxicol Environ Health** 1985; 16(3–4):547–52
Carcinogenic agents in snuff. Hoffmann D, et al. **JNCI** 1986 Mar;76(3):435–7
Is there a future for lower–tar–yield cigarettes? Participants of the Fourth Scarborough Conference on Preventive Medicine. **Lancet** 1985 Nov 16;2(8464):1111–4
Low–tar cigarettes and future mortality [letter] Anderson K, et al. **Lancet** 1986 Jan 25;1(8474):209
In vitro studies of biological effects of cigarette smoke condensate. II. Induction of sister–chromatid exchanges in human lymphocytes by weakly acidic, semivolatile constituents. Jansson T, et al. **Mutat Res** 1986 Mar; 169(3):129–39
Immunoreactive and bioactive somatostatin–like material is present in tobacco (Nicotiana tabacum). Werner H, et al. **Peptides** 1985 Sep–Oct;6(5):797–802
Characterization of tobacco products: a comparative study of the tar, nicotine, and carbon monoxide yields of cigars, manufactured cigarettes, and cigarettes made from fine–cut tobacco. Rickert WS, et al. **Prev Med** 1985 Mar; 14(2):226–33
[Lung cancer and cigarette tar in Denmark] Prener A, et al. **Ugeskr Laeger** 1985 Dec 16;147(51):4221–7 (Eng. Abstr.) **(Dan)**

CYTOLOGY

Transdetermination of plant cells. Meins F Jr, et al. **Differentiation** 1986;30(3):188–9

DRUG EFFECTS

The chemical induction of PR (b) proteins and resistance to TMV infection in tobacco. White RF, et al. **Antiviral Res** 1986 May;6(3):177–85

ENZYMOLOGY

Regulation of polyamine biosynthesis in tobacco. Effects of inhibitors and exogenous polyamines on arginine decarboxylase, ornithine decarboxylase, and S–adenosylmethionine decarboxylase. Hiatt AC, et al. **J Biol Chem** 1986 Jan 25;261(3):1293–8

GENETICS

A genetically controlled polyacrylic acid induced resistance in Nicotiana species. Dumas E, et al. **Antiviral Res** 1985 Dec;5(6):355–62
Fate of selectable marker DNA integrated into the genome of Nicotiana tabacum. Czernilofsky AP, et al. **DNA** 1986 Apr;5(2):101–13
Structure and expression of Ri T–DNA from Agrobacterium rhizogenes in Nicotiana tabacum. Organ and phenotypic specificity. Durand–Tardif M, et al. **J Mol Biol** 1985 Dec 5;186(3):557–64
The nucleotide sequence of tobacco rattle virus RNA–2 (CAM strain). Bergh ST, et al. **Nucleic Acids Res** 1985 Dec 9;13(23):8507–18
Evidence for a cellular gene with potential oncogenic activity in plants. Hansen CE, et al. **Proc Natl Acad Sci USA** 1986 Apr;83(8):2492–5
Stable transformation of tobacco by electroporation: evidence for plasmid concatenation. Riggs CD, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(15):5602–6
[Chloroplast genomes in parasexual hybrid plants] Hirai A, et al. **Tanpakushitsu Kakusan Koso** 1985 Jul;30(8):941–9 (33 ref.) **(Jpn)**
[Expression of bean phaseolin gene after Ti plasmid–mediated transfer to sunflower and tobacco] Murai N. **Tanpakushitsu Kakusan Koso** 1985 Dec;30(14 Suppl):1517–33 (21 ref.) **(Jpn)**

IMMUNOLOGY

Immunological aspect of smoking in patients with thromboangitis obliterans. Simić L, et al. **Vasa** 1985; 14(4):349–52
[Tobacco addiction and the immune system: II. Production of the cellular migration inhibitory factor in the presence of tobacco extract as an antigen, in patients with extrinsic bronchial asthma] Bernal–Madrazo MA, et al. **Gac Med Mex** 1985 May–Jun;121(5–6):195–8 **(Spa)**

METABOLISM

Fluorescent anticytokinins as a probe for binding. Isolation of cytokinin–binding proteins from the soluble fraction and identification of a cytokinin–binding site on ribosomes of tobacco callus cells. Hamaguchi N, et al. **Eur J Biochem** 1985 Dec 16;153(3):565–72
Promutagen activation as a function of growth curve dynamics in the plant cell/microbe coincubation assay. Gentile JM, et al. **Mutat Res** 1986 Mar;173(3):181–5
In vitro activation of chemicals by plants: a comparison of techniques. Gentile JM, et al. **Mutat Res** 1986 Feb; 164(1):53–8
Formation of bacterial mutagens from the reaction of chewing tobacco with nitrite. Whong WZ, et al. **Mutat Res** 1985 Dec;158(3):105–10

MICROBIOLOGY

Analysis of the genome structure of tobacco rattle virus strain PSG. Cornelissen BJ, et al. **Nucleic Acids Res** 1986 Mar 11;14(5):2157–69
Association of tobacco etch virus related RNA with

chloroplasts in extracts of infected plants. Gadh IP, et al. **Virology** 1986 Apr 15;150(1):304–7

TOBACCO DEPENDENCE see **TOBACCO USE DISORDER**

TOBACCO MOSAIC VIRUS

Delay of disease development in transgenic plants that express the tobacco mosaic virus coat protein gene. Abel PP, et al. **Science** 1986 May 9;232(4751):738–43

Encapsidation of 18 S rRNA by tobacco mosaic virus coat protein. Rochon D, et al. **Virology** 1986 Apr 15; 150(1):140–8

ANALYSIS

Oligonucleotide binding to the coat protein disk of tobacco mosaic virus. Possible steps in the mechanism of assembly. Turner DR, et al. **Eur J Biochem** 1986 Jun 2;157(2):269–74

DRUG EFFECTS

Comparison of the effects of chlorite–oxidized oxyamylose and polyacrylic acid on the multiplication of phytopathogenic viruses. Kluge S. **Antiviral Res** 1985 Oct; 5(5):291–8

GENETICS

Studies of tobacco mosaic virus reassembly with an RNA tail blocked by a hybridised and cross–linked probe. Fairall L, et al. **Eur J Biochem** 1986 May 2;156(3):459–65

Gene transfer into intact plant cells by electroinjection through cell walls and membranes. Morikawa H, et al. **Gene** 1986;41(1):121–4

A tobacco mosaic virus–induced tobacco protein is homologous to the sweet–tasting protein thaumatin. Cornelissen BJ, et al. **Nature** 1986 May 29–Jun 4; 321(6069):531–2

Five pseudoknots are present at the 204 nucleotides long 3' noncoding region of tobacco mosaic virus RNA. van Belkum A, et al. **Nucleic Acids Res** 1985 Nov 11; 13(21):7673–86

GROWTH & DEVELOPMENT

A genetically controlled polyacrylic acid induced resistance in Nicotiana species. Dumas E, et al. **Antiviral Res** 1985 Dec;5(6):355–62

IMMUNOLOGY

Immune induction by a protein antigen and by a peptide segment of the protein. Wan AM, et al. **Adv Exp Med Biol** 1985;185:175–91 (48 ref.)

Immunological properties and biological function of monoclonal antibodies to tobacco mosaic virus. Dietzgen RG. **Arch Virol** 1986;87(1–2):73–86

Influence of local structure on the location of antigenic determinants in tobacco mosaic virus protein. Van Regenmortel MH, et al. **Ciba Found Symp** 1986;119:76–92 (35 ref.)

Enhancement of antibody response by mouse dendritic cells pulsed with tobacco mosaic virus or with rabbit antiidiotypic antibodies raised against a private rabbit idiotype. Francotte M, et al. **Proc Natl Acad Sci USA** 1985 Dec;82(23):8149–52

ISOLATION & PURIFICATION

A new physical assay method for tobacco mosaic virus using a radioactive virus recovery standard and the first derivative of the ultraviolet absorption spectrum. Fraser RS. et al. **J Virol Methods** 1985 Aug;11(4):289–98

Use of the biotin–avidin system for detecting a broad range of serologically related plant viruses by ELISA. Zrein M, et al. **J Virol Methods** 1986 May;13(2):121–8

METABOLISM

Effect of dipolar ions on the entropy–driven polymerization of tobacco mosaic virus protein. Lauffer MA, et al. **Arch Biochem Biophys** 1985 Nov 1;242(2):478–87

Subcellular localization of the 30K protein in TMV–inoculated tobacco protoplasts. Watanabe Y, et al. **Virology** 1986 Jul 30;152(2):414–20

PHYSIOLOGY

The chemical induction of PR (b) proteins and resistance to TMV infection in tobacco. White RF, et al. **Antiviral Res** 1986 May;6(3):177–85

ULTRASTRUCTURE

Cryo–electron microscopy of helical particles TMV and T4 polyheads. Lepault J. **J Microsc** 1983 Oct;140 (Pt 1):73–80

Rationale for the application of thin, continuous metal films in high magnification electron microscopy. Peters KR. **J Microsc** 1986 Apr;142 (Pt 1):25–34

Working at higher magnifications in scanning electron microscopy with secondary and backscattered electrons on metal coated biological specimens and imaging macromolecular cell membrane structures. Peters KR. **Scan Electron Microsc** 1985;(Pt 4):1519–44

Structure of tobacco mosaic virus at 3.6 A resolution: implications for assembly. Namba K, et al. **Science** 1986 Mar 21;231(4744):1401–6

TOBACCO SMOKE POLLUTION

Parental smoking, presence of older siblings, and family history of asthma increase risk of bronchiolitis. McConnochie KM, et al. **Am J Dis Child** 1986 Aug; 140(8):806–12

The effect of passive smoking on children's pulmonary function in Shanghai. Chen Y, et al. **Am J Public Health** 1986 May;76(5):515–8

Passive smoking and lung cancer. What is the risk? [editorial] Weiss ST. **Am Rev Respir Dis** 1986 Jan;133(1):1–3

Use of urinary nicotine concentrations to estimate exposure and mortality from passive smoking in non–smokers. Russell MA, et al. **Br J Addict** 1986 Apr;81(2):275–81

Passive exposure to tobacco smoke: saliva cotinine concentrations in a representative population sample of non–smoking schoolchildren. Jarvis MJ, et al. **Br Med J [Clin Res]** 1985 Oct 5;291(6500):927–9

Passive exposure to tobacco smoke [letter] Lee PN. **Br Med J [Clin Res]** 1985 Dec 7;291(6509):1646

Smoking: the social issue [letter] **Can Med Assoc J** 1986 Jan 1;134(1):13–5

Effects of passive smoking on health of children. Ferris BG Jr, et al. **Environ Health Perspect** 1985 Oct;62:289–95

The effects of passive inhalation of cigarette smoke on exercise performance. McMurray RG, et al. **Eur J Appl Physiol** 1985;54(2):196–200

Cannabinoids in blood and urine after passive inhalation of Cannabis smoke. Mørland J, et al. **J Forensic Sci** 1985 Oct; 30(4):997–1002

Nicotine and cotinine concentrations in serum and urine of infants exposed via passive smoking or milk from smoking mothers. Luck W, et al. **J Pediatr** 1985 Nov;107(5):816–20

Elimination from the body of tobacco products by smokers and passive smokers [letter] Sepkovic DW, et al. **JAMA** 1986 Aug 15;256(7):863

Misclassification as a factor in passive smoking risk [letter] Wells AJ. **Lancet** 1986 Sep 13;2(8507):638

Public opinion in Victoria about the dangers of passive smoking [letter] Hill D. **Med J Aust** 1986 May 26; 144(11):615–6

Smoking and asthma [letter] Berkowitz S. **Pediatrics** 1985 Oct;76(4):654–5

International symposium on effects of indoor air pollution with special reference to nitrogen oxides and smoking. Lyngby, Denmark, January 26–27, 1984. **Tokai J Exp Clin Med** 1985 Aug;10(4):253–485

Urinary hydroxyproline excretion in smokers, non–smokers and passive smokers. Adlkofer F, et al. **Tokai J Exp Clin Med** 1985 Aug;10(4):415–25

Some physiological responses to acute passive smoking in healthy young adults. Asano M, et al. **Tokai J Exp Clin Med** 1985 Aug;10(4):355–62

Exposure to smoke constituents by passive smoking. Hugod C. **Tokai J Exp Clin Med** 1985 Aug;10(4):401–5

Indoor air pollution due to tobacco smoke under real conditions. Preliminary results. Klus H, et al. **Tokai J Exp Clin Med** 1985 Aug;10(4):331–40

A comparative study on the health effects of smoking and indoor air pollution in summer and winter. Matsuki H, et al. **Tokai J Exp Clin Med** 1985 Aug;10(4):427–37

Passive smoking in aircraft—a current WHO project. Ramström LM. **Tokai J Exp Clin Med** 1985 Aug; 10(4):451–5

Preliminary studies of urinary hydroxyproline levels in rodents and in smokers. Read GA, et al. **Tokai J Exp Clin Med** 1985 Aug;10(4):445–50

[Risks to which passive smokers are exposed. The right of non–smokers] Rosemberg J. **AMB** 1985 Jan–Feb; 31(1–2):7–12 **(Por)**

[Passive smokers (letter)] Alvarez–Sala JL, et al. **Med Clin (Barc)** 1986 May 24;86(20):864 **(Spa)**

ADVERSE EFFECTS

The hypothalamic and neurohypophysial vasopressor and oxytocic activities under conditions of chronic tobacco smoke exposure in the rat. Bojanowska E, et al. **Acta Physiol Pol** 1985 Jul–Aug;36(4):242–7

Re: "Passive smoking in adulthood and cancer risk" [letter] **Am J Epidemiol** 1986 Feb;123(2):367–70

Indoor air pollution and pulmonary function growth in preadolescent children. Berkey CS, et al. **Am J Epidemiol** 1986 Feb;123(2):250–60

Association of low birth weight with passive smoke exposure in pregnancy. Martin TR, et al. **Am J Epidemiol** 1986 Oct; 124(4):633–42

Passive smoking in childhood. Respiratory conditions and pulmonary function in Tecumseh, Michigan. Burchfiel CM, et al. **Am Rev Respir Dis** 1986 Jun;133(6):966–73

"Passive smoking" and respiratory health in children—sophistry or cause for concern? [editorial] Tager IB. **Am Rev Respir Dis** 1986 Jun;133(6):959–61

Passive smoking and young children's health. Moorhead R. **Aust Fam Physician** 1985 Oct;14(10):1058–9, 1061–2

Relationship of passive smoking to risk of lung cancer and other smoking–associated diseases. Lee PN, et al. **Br J Cancer** 1986 Jul;54(1):97–105

Influence of passive smoking on admissions for respiratory illness in early childhood. Chen Y, et al. **Br Med J [Clin Res]** 1986 Aug 2;293(6542):303–6

Secondhand cigarette smoke worsens symptoms in children with asthma. Section on Allergy, Canadian Paediatric Society. **Can Med Assoc J** 1986 Aug 15;135(4):321–3

Passive smoking and lung cancer among Japanese women. Akiba S, et al. **Cancer Res** 1986 Sep;46(9):4804–7

The relation of passive smoking to lung cancer. Dalager NA, et al. **Cancer Res** 1986 Sep;46(9):4808–11

Passive smoking. Acute effects in asthma [editorial] Lefcoe NM. **Chest** 1986 Feb;89(2):161–2

Acute effects of passive smoking on lung function and airway reactivity in asthmatic subjects. Wiedemann HP, et al. **Chest** 1986 Feb;89(2):180–5

Ultrastructural changes in neonatal sciatic nerve tissue: effects of passive maternal smoking. Amankwah KS, et al. **Gynecol Obstet Invest** 1985;20(4):186–93

Exposure to cigarette smoking and children's growth. Rona RJ, et al. **Int J Epidemiol** 1985 Sep;14(3):402–9

The effect of cigarette smoke from the mother on bronchial responsiveness and severity of symptoms in children with asthma. Murray AB, et al. **J Allergy Clin Immunol** 1986 Apr;77(4):575–81

Passive and active exposure to cigarette smoke in a smoking experiment. Sorsa M, et al. **J Toxicol Environ Health** 1985; 16(3–4):523–34

Involuntary smoking and lung cancer—some object lessons [letter] Mantel N. **JNCI** 1986 Jun;76(6):1261–3

Effect of passive smoking on birth–weight. Rubin DH, et al. **Lancet** 1986 Aug 23;2(8504):415–7

Effects of passive smoking [letter] Whidden P. **Lancet** 1986 Jan 18; (8473):150

Smokers have rights, too [letter] Gale AE. **Med J Aust** 1985 Sep 30;143(7):317–8

An indoor air quality standard for ambient tobacco smoke based on carcinogenic risk. Repace JL, et al. **NY State J Med** 1985 Jul;85(7):381–3

Passive smoking: is it harmful? Martin P. **NZ Med J** 1986 Aug 13;99(807):586–8

Airway responses of children to environmental irritants [editorial] Lebowitz MD. **Pediatr Pulmonol** 1985 Sep–Oct; 1(5):235–6 (26 ref.)

Effect of passive smoking on the lung of young lambs. Stecenko A, et al. **Pediatr Res** 1986 Sep;20(9):853–8

American Academy of Pediatrics. Involuntary smoking—a hazard to children. Committee on Environmental Hazards. **Pediatrics** 1986 May;77(5):755–7

Passive smoking: a public health problem. Winters TH, et al. **Public Health Rev** 1985;13(3–4):309–23 (49 ref.)

Passive smoking—a new target of epidemiology. Hirayama T. **Tokai J Exp Clin Med** 1985 Aug;10(4):287–93

A review of urinary hydroxyproline as a biochemical marker on health effects of smoking and air pollution with nitrogen dioxide. Kasuga H. **Tokai J Exp Clin Med** 1985 Aug; 10(4):439–44

Certain aspects of the responses of laboratory rats to exposure to (a) nitrogen dioxide and (b) tobacco smoke. Roe FJ. **Tokai J Exp Clin Med** 1985 Aug;10(4):363–9

Relationship between parental smoking and respiratory diseases of three year old children. Tominaga S, et al. **Tokai J Exp Clin Med** 1985 Aug;10(4):395–9

Irritating and annoying effects of passive smoking. Weber A. **Tokai J Exp Clin Med** 1985 Aug;10(4):341–5

Human alpha–1–proteinase inhibitor is inactivated by exposure to sidestream cigarette smoke. Pryor WA, et al. **Toxicol Lett** 1985 Oct;28(1):65–70

Sidestream cigarette smoke–exposure of mouse cells induces cell stress/heat shock–like proteins. Hunt LA. **Toxicology** 1986 Jun;39(3):259–73

[Passive smoking and risk of cancer] Prener A, et al. **Ugeskr Laeger** 1986 Aug 11;148(33):2101–4 (Eng. Abstr.) **(Dan)**

[Smoking—passive smoking] Thron HL. **Schriftenr Ver Wasser Boden Lufthyg** 1985;65:123–43 **(Ger)**

[Evaluation of the effect of cigarette smoke on the lungs of newborn and young mice] Mazurek A, et al. **Folia Med Cracov** 1985;26(1–2):167–82 (Eng. Abstr.) **(Pol)**

[Reversible disorders of spontaneous adherence of alveolar macrophages isolated from the lungs of guinea pigs exposed to cigarette smoke] Chyczewski L, et al. **Patol Pol** 1985 Jul–Sep;36(3):262–72 (Eng. Abstr.) **(Pol)**

[Tobacco smoking and lung diseases] Juchniewicz M, et al. **Pneumonol Pol** 1986 May;54(5):180–5 (Eng. Abstr.) **(Pol)**

[Jeopardy to the health of children due to smoking habits of parents] Rosemberg J. **AMB** 1985 Jan–Feb;31(1–2):2–6 **(Por)**

ANALYSIS

Serum cotinine as a measure of tobacco smoke exposure in children. Pattishall EN, et al. **Am J Dis Child** 1985 Nov; 139(11):1101–4

The quantification of passive exposure to smoking amongst children. Gillies PA, et al. **Hygie** 1986 Jun;5(2):14–7

Passive smoking under controlled conditions. Johnson LC, et al. **Int Arch Occup Environ Health** 1985;56(2):99–110

PREVENTION & CONTROL

The San Francisco experience with regulation of smoking in the workplace: the first twelve months. Martin MJ, et

al. **Am J Public Health** 1986 May;76(5):585–6
Australian College of Paediatrics. Policy statement: Smoking. **Aust Paediatr J** 1985 Nov;21(4):235
Passive smoking has no place in the workplace [editorial] Repace JL. **Can Med Assoc J** 1985 Oct 15;133(8):737–8
Institutional tobacco withdrawal symptoms. Cohen SB. **J Med Assoc Ga** 1986 May;75(5):261–3
Passive smoking: private and public responses. Poythress DB. **J Med Assoc Ga** 1986 May;75(5):286–7
Smoking areas are ineffective in sick buildings [letter] Kossuth LC. **JAMA** 1986 Jun 20;255(23):3244–5
A pilot's guide to cabin air quality and fire safety. Fulton HB Jr. **NY State J Med** 1985 Jul;85(7):384–8
Proposition P: anatomy of a nonsmokers' rights ordinance. Hanauer P. **NY State J Med** 1985 Jul;85(7):369–74
New Jersey's hard-fought battle for clean indoor air legislation. An insider's view. Herman MA. **NY State J Med** 1985 Jul;85(7):366–8
Local values versus tobacco industry power. The experience of GASP of Massachusetts. Sweda EL Jr. **NY State J Med** 1985 Jul;85(7):375–7
Call for a smoke-free society [editorial] Koop CE. **Pediatr Pulmonol** 1985 Jan–Feb;1(1):4–5
[A society without tobacco smoke?] Pregowski W. **Pneumonol Pol** 1986 May;54(5):173–9 (Eng. Abstr.) **(Pol)**

TOBACCO, SMOKELESS see under **TOBACCO**

TOBACCO USE DISORDER

Lifetime tobacco use [letter] Ravenholt RT. **Ann Intern Med** 1986 Sep;105(3):473

COMPLICATIONS

Reports of smoking withdrawal symptoms over a 21 day period of abstinence. Cummings KM, et al. **Addict Behav** 1985;10(4):373–81
The synergistic effect of smoking and serum cholesterol on coronary heart disease. Perkins KA. **Health Psychol** 1985; 4(4):337–60
[Alcoholic–nicotinic optic neuropathy: toxicity or inflammation?] Denis G, et al. **Bull Soc Ophtalmol Fr** 1984 Nov;84(11):1259–61 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Nicotine chewing gum in smoking cessation: efficiency, nicotine dependence, therapy duration, and clinical recommendations. Fagerstrom KO, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1985;53:102–9
Rational basis for chemotherapy of tobacco dependence. Nemeth-Coslett R, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1985;53:15–26

ECONOMICS

Tobacco–addiction–death link shown but labels don't tell it [news] Goldsmith MF. **JAMA** 1986 Feb 28;255(8):997–8, 1003

ETIOLOGY

Health implications of smokeless tobacco use. **Nat Inst Health Consensus Dev Conf Consensus Statement** 1986;6(1):1–6
Cipollone v Liggett Group, Inc. The application of theories of liability in current cigarette litigation. Edell MZ, et al. **NY State J Med** 1985 Jul;85(7):318–21
The "less hazardous" cigarette: a deadly delusionMiller GH. **NY State J Med** 1985 Jul;85(7):313–7
A disease model of cigarette use. Slade JD. **NY State J Med** 1985 Jul;85(7):294–7
Health implications of smokeless tobacco use. **Public Health Rep** 1986 Jul–Aug;101(4):349–54

FAMILIAL & GENETIC

Statistics, smoking, and health [letter] **JAMA** 1986 Feb 28; 255(8):1015–7

OCCURRENCE

The reemergence of smokeless tobacco. Connolly GN, et al. **N Engl J Med** 1986 Apr 17;314(16):1020–7 (159 ref.)
[The tobacco habit among children] López Rois F, et al. **An Esp Pediatr** 1985 Oct 15;23(4):241–5 (Eng. Abstr.) **(Spa)**
[Epidemiology of smoking in the adult population of Catalunya. I. Prevalence of the habit] Salleras Sanmarti L, et al. **Med Clin (Barc)** 1985 Oct 26;85(13):525–8 (Eng. Abstr.) **(Spa)**
[Epidemiology of smoking in the adult population of Catalunya. II. Attitude factors] Villalbí Hereter JR, et al. **Med Clin (Barc)** 1985 Oct 26;85(13):529–32 (Eng. Abstr.) **(Spa)**

PATHOLOGY

SCE frequencies in lymphocytes of tobacco/betel nut chewers and patients with oral submucous fibrosis. Adhvaryu SG, et al. **Br J Cancer** 1986 Jan;53(1):141–3

PHYSIOPATHOLOGY

Individual nicotine requirements: the relationship between differences in nicotine intake and physiological response. Karanci NA. **Biol Psychol** 1985 Aug;21(1):27–42
EEG alpha reactivity and self-regulation correlates of smoking and smoking deprivation. Szalai JP, et al. **Psychosom Med** 1986 Jan–Feb;48(1–2):67–72

PREVENTION & CONTROL

Smoking: it's time we stopped moralizing about a health issue. Waugh D. **Can Med Assoc J** 1985 Oct 15;133(8):798–9
On smokeless tobacco, addictive behavior and warning labels. Shaffer HJ. **J Subst Abuse Treat** 1986;3(1):41–6
The campaign against smokeless tobacco [editorial] Koop CE. **N Engl J Med** 1986 Apr 17;314(16):1042–4
[Methods of breaking the cigarette smoking habit] Górecka D, et al. **Pneumonol Pol** 1986 May;54(5):205–11 (15 ref.) **(Pol)**

PSYCHOLOGY

The influence of smoker status, smoking history, sex, and situational variables on smokers' self-efficacy. Barrios FX, et al. **Addict Behav** 1985;10(4):425–9
Smoking behavior of type A and type B smokers. Hughes JR, et al. **Addict Behav** 1986;11(2):115–8
Operant conditioning of EMG activity using cigarette puffs as a reinforcer. Lewin LM, et al. **Addict Behav** 1986; 11(2):197–200
Predicting change in smoking status for self-changers. Prochaska JO, et al. **Addict Behav** 1985;10(4):395–406
A cluster-analytic classification of smoking relapse episodes. Shiffman S. **Addict Behav** 1986;11(3):295–307
Smoking behaviour under conditions of relaxation: a comparison between types of smokers. Surawy C, et al. **Addict Behav** 1986;11(2):187–91
Subject characteristics as predictors of self-change in smoking. Wilcox NS, et al. **Addict Behav** 1985;10(4):407–12
Locus of control and smokeless tobacco use among adolescents. Dignan M, et al. **Adolescence** 1986 Summer; 21(82):377–81
Signs and symptoms of tobacco withdrawal. Hughes JR, et al. **Arch Gen Psychiatry** 1986 Mar;43(3):289–94
Reflections on the ex-smoker: some findings on successful quitters. Katz RC, et al. **J Behav Med** 1986 Apr; 9(2):191–202
Development of cigarette smoking in rhesus monkeys. Ando K, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986; 67:147–53

REHABILITATION

Relapse prevention and smoking cessation. Davis JR, et al. **Addict Behav** 1986;11(2):105–14

THERAPY

Behavioral and pharmacological treatment of cigarette smoking: end of treatment comparisons. deWit H, et al. **Addict Behav** 1986;11(3):331–5
Mediated smoking cessation programs in the Stanford Five-City Project. Sallis JF, et al. **Addict Behav** 1985; 10(4):441–3
Effects of nicotine chewing gum on smoking cessation in routine clinical use. Hjalmarson AI. **Br J Addict** 1985 Sep; 80(3):321–4
Effects of biochemical validation of self-reported cigarette smoking on treatment success and on misreporting abstinence. Glynn SM, et al. **Health Psychol** 1986; 5(2):125–36
Quitting smoking. Tunstall CD, et al. **Int J Addict** 1985 Jun–Jul;20(6–7):1089–112 (86 ref.)
Tailored media can enhance the success of smoking cessation clinics. Mogielnicki RP, et al. **J Behav Med** 1986 Apr; 9(2):141–61
Treatment of tobacco dependency [letter] Miller EF. **N Engl J Med** 1985 Nov 7;313(19):1233–4

TOBRAMYCIN

ADMINISTRATION & DOSAGE

Accuracy of tobramycin piggyback delivery using gravity flow versus a controller. Nahata MC, et al. **Am J Hosp Pharm** 1986 Apr;43(4):947–9
Challenging conventional aminoglycoside dosing regimens. The value of experimental models. Kapusnik JE, et al. **Am J Med** 1986 Jun 30;80(6B):179–81
Comparison of ciprofloxacin with azlocillin plus tobramycin in the therapy of experimental Pseudomonas aeruginosa endocarditis. Strunk RW, et al. **Antimicrob Agents Chemother** 1985 Sep;28(3):428–32
Cefoxitin plus tobramycin and clindamycin plus tobramycin. A prospective randomized comparison in the therapy of mixed aerobic/anaerobic infections. Nicolle LE, et al. **Arch Surg** 1986 Aug;121(8):891–6
Predictive performance of computer dosing methods for tobramycin using two pharmacokinetic models and two weighting algorithms. Murray KM, et al. **Clin Pharm** 1986 May;5(5):411–4
Efficacy of topical chloramphenicol and tobramycin ophthalmic solutions in preventing severe Staphylococcus aureus keratitis in rabbits. Edwards JG, et al. **Curr Eye Res** 1985 Aug;4(8):821–9
Influence of fosfomycin and tobramycin on vancomycin-induced nephrotoxicity. Marre R, et al. **Infection** 1985 Jul–Aug;13(4):190–2
The place of antibiotics in the prevention of post-appendicectomy sepsis: a prospective study of 400 cases. el-Sefi TA, et al. **Int Surg** 1986 Jan–Mar;71(1):18–21
Stability of tobramycin in combination with selected new beta-lactam antibiotics [letter] Elliott TS, et al. **J Antimicrob Chemother** 1986 May;17(5):680–1
In vitro characteristics of tobramycin-PMMA beads: compressive strength and leaching. Kirkpatrick DK, et al. **Orthopedics** 1985 Sep;8(9):1130–3
Increased dosage requirements of tobramycin and gentamicin for treating Pseudomonas pneumonia in patients with cystic fibrosis. Mann HJ, et al. **Pediatr Pulmonol** 1985 Sep–Oct; 1(5):238–43
Aztreonam plus clindamycin vs. tobramycin plus clindamycin for the treatment of intraabdominal infections. Birolini D, et al. **Rev Infect Dis** 1985 Nov–Dec;7 Suppl 4:S724–8
Tobramycin therapy—two or three doses per day? Lilliestierna H, et al. **Scand J Infect Dis** 1985;17(3):323–5
Treatment of intra-abdominal infections is appropriate with single-agent or combination antibiotic therapy. Malangoni MA, et al. **Surgery** 1985 Oct;98(4):648–55
[Single daily doses of tobramycin sulfate in urologic surgery] Mendicino A, et al. **Chir Patol Sper** 1984 Apr;32(2):81–6 (Eng. Abstr.) **(Ita)**
[Clinical efficacy and safety of the cefamandole-tobramycin combination in the prevention and treatment of surgical infections in high-risk patients] Ricci L, et al. **Chir Patol Sper** 1983 Dec;31(6):231–40 (Eng. Abstr.) **(Ita)**
[Use of tobramycin in single doses in the prevention and therapy of urinary tract infections] Ghiron P, et al. **Minerva Urol Nefrol** 1986 Jan–Mar;38(1):77–80 (Eng. Abstr.) **(Ita)**
[Treatment with a single-dose antibiotic in non-complicated bacterial cystitis. Comparative study] Mompo JA, et al. **Actas Urol Esp** 1986 Mar–Apr;10(2):95–8 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Comparative effects of gentamicin and tobramycin on excretion of N-acetyl-beta-D-glucosaminidase. Donta ST, et al. **Antimicrob Agents Chemother** 1985 Oct;28(4):500–3
Emergence of tobramycin-resistant S. epidermidis possessing aminoglycoside modifying enzymes and bacteremic superinfection during empiric therapy of febrile neutropenic episodes. Riben PD, et al. **Clin Invest Med** 1985;8(4):272–85
Is tobramycin less nephrotoxic than gentamicin? Burkle WS. **Clin Pharm** 1986 Jun;5(6):514–6
Tobramycin and amikacin nephrotoxicity. Value of serum creatinine versus urinary concentration of beta-2-microglobulin. Gatell JM, et al. **Nephron** 1985; 41(4):337–43
[Ototoxicity and nephrotoxicity of gentamicin and tobramycin] Andreu J, et al. **Cah Anesthesiol** 1985 Oct; 33(6):515–21 **(Fre)**

ANALYSIS

Stability of intravenous admixtures of aztreonam and cefoxitin, gentamicin, metronidazole, or tobramycin. Bell RG, et al. **Am J Hosp Pharm** 1986 Jun;43(6):1444–53
Preparation and release characteristics of tobramycin-impregnated polymethylmethacrylate beads. Goodell JA, et al. **Am J Hosp Pharm** 1986 Jun; 43(6):1454–61
Stability of tobramycin sulfate in admixtures with calcium gluconate. Nahata MC, et al. **Am J Hosp Pharm** 1985 Sep; 42(9):1987–8
Leaching of tobramycin from PMMA bone cement beads. von Frauhofer JA, et al. **J Biomed Mater Res** 1985 Sep; 19(7):751–6
Interlot variability in gentamicin and tobramycin concentration and its possible significance. Nahata MC, et al. **Ther Drug Monit** 1986;8(3):256–8

ANTAGONISTS & INHIBITORS

In vitro inactivation of tobramycin by cephalosporins. Spruill WJ, et al. **Am J Hosp Pharm** 1985 Nov;42(11):2506–9
In vitro inactivation of aminoglycosides by apalcillin. Wright DN, et al. **Antimicrob Agents Chemother** 1986 Feb; 29(2):353–4
The lack of inactivation of tobramycin by cefazolin, cefamandole, and moxalactam in vitro. Earp CM, et al. **Drug Intell Clin Pharm** 1985 Sep;19(9):677–9

BLOOD

Comparative study of serum bactericidal activity of cefotaxime alone or in combination with tobramycin. Bergeron MG, et al. **Antimicrob Agents Chemother** 1986 Feb;29(2):379–81
Comparison of venous and capillary blood sampling for the clinical determination of tobramycin serum concentrations. Lewis AS, et al. **Br J Clin Pharmacol** 1985 Dec; 20(6):597–601
Tobramycin pharmacokinetics in very low birth weight infants. Nahata MC, et al. **Br J Clin Pharmacol** 1986 Mar; 21(3):325–7
Tobramycin pharmacokinetics in premature identical twins during newborn period. Nahata MC, et al.

Dev Pharmacol Ther 1986;9(3):178–82
Evaluation of novel antipseudomonal drugs using the serum bactericidal activity test. Braveny I, et al.
Eur J Clin Microbiol 1986 Feb;5(1):119–23
Comparison of the latex agglutination inhibition assay for tobramycin with radioimmunoassay. Sears SD, et al.
Eur J Clin Microbiol 1986 Jun;5(3):347–50
Evaluation of clinical pharmacokinetic services provided to children and adolescents with cystic fibrosis. Kearns GL, et al. J Arkansas Med Soc 1985 Oct;82(5):215–9

CEREBROSPINAL FLUID

Effect of hyperbaric oxygen on the blood: cerebrospinal fluid transfer of tobramycin. Kent TA, et al.
Aviat Space Environ Med 1986 Jul;57(7):664–6
Cerebrospinal fluid pharmacokinetics of tobramycin, ceftazidime, phenobarbitone and phenytoin in a child. Koren G, et al. Clin Pharmacokinet 1985 Jul–Aug;10(4):371–5

METABOLISM

Protein losses and tobramycin absorption in peritonitis treated by hourly peritoneal dialysis. Rubin J, et al.
Am J Kidney Dis 1986 Aug;8(2):124–7
Aminoglycoside penetration, inactivation, and efficacy in cystic fibrosis sputum. Mendelman PM, et al.
Am Rev Respir Dis 1985 Oct;132(4):761–5
Autoradiography of tobramycin uptake by the proximal and distal tubules of normal and endotoxin-treated rats. Bergeron MG, et al. Antimicrob Agents Chemother 1986 Jun;29(6):1005–9
Effect of low-dose dopamine on the pharmacokinetics of tobramycin in dogs. Kirby MG, et al.
Antimicrob Agents Chemother 1986 Jan;29(1):168–70
In vitro interaction of aminoglycosides with beta-lactam penicillins. Wallace SM, et al.
Antimicrob Agents Chemother 1985 Aug;28(2):274–81
Studies on systemic absorption of tobramycin in polyethylene glycol ointment applied to wounds of burn patients. Aoyama H, et al. Burns Incl Therm Inj 1986 Feb;12(3):153–60
Miconazole-induced alteration in tobramycin pharmacokinetics. Hatfield SM, et al. Clin Pharm 1986 May;5(5):415–9
Intramuscular tobramycin pharmacokinetics in geriatric patients. Mayer PR, et al. Drug Intell Clin Pharm 1986 Jul–Aug;20(7–8):611–5
Crossover pharmacokinetic analysis comparing intravenous and intraperitoneal administration of tobramycin. Walshe JJ, et al. J Infect Dis 1986 Apr;153(4):796–9

PHARMACODYNAMICS

The neuromuscular blocking action of vecuronium in normal patients and in patients with no renal function and interaction vecuronium–tobramycin in renal transplant patients. Vanacker BF, et al. Acta Anaesthesiol Belg 1986;37(2):95–9
Effect of tobramycin on protein synthesis in 2-deoxystreptamine aminoglycoside-resistant clinical isolates of Haemophilus influenzae. Levy J, et al.
Antimicrob Agents Chemother 1986 Mar;29(3):474–81
Determination of urinary lysozyme during aminoglycoside therapy—appraisal of lysozyme inhibition caused by gentamicin and tobramycin. Mörsky P, et al.
Clin Chim Acta 1985 Nov 29;153(1):55–62
Susceptibility to tobramycin determined by a modified agar dilution method with a high inoculum. Santanam P.
Eur J Clin Microbiol 1985 Dec;4(6):600–1
In vitro activity of the newer quinolones compared with the classic ones and tobramycin. Boquet Jiménez E, et al.
Infection 1985 Jul–Aug;13(4):193–6
Effects of inoculum size on the activity of carboxy- and ureido-penicillins and effects of combinations of ureido-penicillins with aminoglycosides against resistant Pseudomonas aeruginosa. Watanakunakorn C.
J Antimicrob Chemother 1986 Jan;17(1):91–5
Binding to and antibacterial effect of aztreonam, temocillin, gentamicin and tobramycin on human faeces. Hazenberg MP, et al. J Hyg (Lond) 1985 Oct;95(2):255–63
In vitro aminoglycoside resistance of gram-negative bacilli and staphylococci isolated from blood in Sweden 1980–1984. Bengtsson S, et al. Scand J Infect Dis 1986;18(3):257–63
Synergism of azlocillin, mezlocillin, piperacillin in combination with tobramycin against Klebsiella and Pseudomonas. Downs JT, et al. Yale J Biol Med 1986 Jan–Feb;59(1):11–6

THERAPEUTIC USE

Nosocomial infections with methicillin and tobramycin resistant Staphylococcus aureus—implication of physiotherapy in hospital-wide dissemination. Rimland D.
Am J Med Sci 1985 Sep;290(3):91–7
A randomized controlled trial of moxalactam versus clindamycin/tobramycin in the treatment of mixed anaerobic/aerobic infections. Joshi M, et al. Am Surg 1986 Sep;52(9):467–71
Microbial causes of proven pelvic inflammatory disease and efficacy of clindamycin and tobramycin. Wasserheit JN, et al. Ann Intern Med 1986 Feb;104(2):187–93
Randomized evaluation of ceftazidime or ticarcillin and tobramycin for the treatment of osteomyelitis caused by gram-negative bacilli. Sheftel TG, et al.
Antimicrob Agents Chemother 1986 Jan;29(1):112–5
Randomized prospective study comparing moxalactam and cefoxitin with or without tobramycin for the treatment of serious surgical infections. Tally FP, et al.
Antimicrob Agents Chemother 1986 Feb;29(2):244–9
Cefotaxime vs nafcillin and tobramycin for the treatment of serious infection. Comparative cost-effectiveness. Moore RD, et al. Arch Intern Med 1986 Jun;146(6):1153–7
Clinical inefficacy of tobramycin and gentamicin sulfate in the treatment of ocular infections [letter] Mehta NJ, et al. Cornea 1984–85;3(3):228
Tobramycin therapy for lethal sepsis in the dog. Hinshaw LB, et al. Crit Care Med 1986 Jul;14(7):623–8
Evaluation of high-dose tobramycin–carbenicillin therapy in pseudomonal infections in cystic fibrosis. Fraser GL, et al. Drug Intell Clin Pharm 1985 Oct;19(10):757–61
The efficacy of the combination of Timentin and tobramycin in the treatment of patients with bacteraemia. Degener JE, et al. J Antimicrob Chemother 1986 May;17 Suppl C:141–8
Novel approaches for the use of aminoglycosides: the value of experimental models. Kapusnik JE, et al.
J Antimicrob Chemother 1986 Mar;17 Suppl A:7–10
Timentin in combination with tobramycin as empirical therapy in febrile neutropenic patients with haematological malignancies. Krieger O, et al. J Antimicrob Chemother 1986 May;17 Suppl C:211–7
A randomized trial of Timentin and tobramycin versus piperacillin and tobramycin in febrile neutropenic patients. Mackie MJ, et al. J Antimicrob Chemother 1986 May;17 Suppl C:219–24
Clinical use and toxicity of high-dose tobramycin in patients with pseudomonal endocarditis. Rybak MJ, et al.
J Antimicrob Chemother 1986 Jan;17(1):115–20
A clinical trial of teicoplanin compared with a combination of flucloxacillin and tobramycin as antibiotic prophylaxis for cardiac surgery: the use of a scoring method to assess the incidence of wound infection. Wilson AP, et al.
J Hosp Infect 1986 Mar;7 Suppl A:105–12
Vancomycin and tobramycin in the treatment of CAPD peritonitis. Gruer LD, et al. Nephron 1985;41(3):279–82
Comparison of piperacillin vs. ticarcillin plus tobramycin in the treatment of acute pulmonary exacerbations of cystic fibrosis. Jackson MA, et al. Pediatr Infect Dis 1986 Jul–Aug;5(4):440–3
Immunoglobulin G: potentiation of tobramycin and azlocillin in the treatment of Pseudomonas aeruginosa sepsis in neutropenic mice and neutralization of exotoxin A in vivo. Collins MS, et al. Rev Infect Dis 1986 Jul–Aug;8 Suppl 4:S420–5
Comparison of aztreonam and tobramycin in the treatment of lower respiratory tract infections caused by gram-negative bacilli. Nolen TM, et al. Rev Infect Dis 1985 Nov–Dec;7 Suppl 4:S666–8
Immediate and prolonged clinical efficacy of ceftazidime versus ceftazidime plus tobramycin in chronic Pseudomonas aeruginosa infection in cystic fibrosis. Stenvang Pedersen S, et al. Scand J Infect Dis 1986;18(2):133–7
Comparative clinical study of Sulbactam and ampicillin and clindamycin and tobramycin in infections of soft tissues. Stromberg BV, et al. Surg Gynecol Obstet 1986 Jun;162(6):575–8
[Short-term systemic prophylaxis in elective colorectal surgery. Comparison between the clindamycin–tobramycin combination and ceftazidime] Griffa B, et al.
Minerva Chir 1986 May 15;41(9):813–6 (Eng. Abstr.) (Ita)
[Netilmicin in comparison with tobramycin in the therapy of severe infections in nephropathic patients] Chiarini C, et al. Minerva Urol Nefrol 1985 Jan–Mar;37(1):29–33 (Eng. Abstr.) (Ita)
[Treatment of intra-abdominal infections with clindamycin and tobramycin] Torralba Llopis J, et al.
Rev Esp Enferm Apar Dig 1986 Feb;69(2):147–50 (Eng. Abstr.) (Ita)
[Prophylactic nonabsorbable antibioticsin the increasing incidence of infection in patients with hematological diseases] Ashida T, et al. Kansenshogaku Zasshi 1985 Dec;59(12):1198–203 (Eng. Abstr.) (Jpn)

TOXICITY

Vancomycin enhancement of experimental tobramycin nephrotoxicity. Wood CA, et al.
Antimicrob Agents Chemother 1986 Jul;30(1):20–4

TOCOPHEROL see **VITAMIN E**

TODRALAZINE see under **HYDRAZINES**

TOE JOINT

Podagra is more than gout. Bomalaski JS, et al.
Bull Rheum Dis 1984;34(6):1–8
Dowel arthrodesis for degenerative arthritis of the tarsometatarsal (Lisfranc) joints. Johnson JE, et al.
Foot Ankle 1986 Apr;6(5):243–53
Monarticular nontraumatic synovitis of the metatarsophalangeal joint: a new diagnosis? Mann RA, et al. Foot Ankle 1985 Aug;6(1):18–21
[Synovial osteochondromatosis of the metatarsophalangeal joint of the great toe] Matsuyama T, et al.
Gan No Rinsho 1986 Aug;32(9):1051–5 (Eng. Abstr.) (Jpn)
[Morphological and clinico-laboratory parallels in podagra-associated nephropathy] Siniachenko OV, et al.
Sov Med 1985;(9):16–8 (Eng. Abstr.) (Rus)

INJURIES

Stress fractures of the sesamoid bones of the first metatarsophalangeal joint in athletes. Hulkko A, et al.
Arch Orthop Trauma Surg 1985;104(2):113–7
Simultaneous open dislocation of the metatarsophalangeal and interphalangeal joints of the hallux: a case report. Henderson CE, et al. Foot Ankle 1986 Jun;6(6):305–8
Fracture dislocations of the tarsometatarsal joints: end results correlated with pathology and treatment. Myerson MS, et al. Foot Ankle 1986 Apr;6(5):225–42
Arthroscopic surgery for osteochondral fractures of the proximal phalanx of the metacarpophalangeal and metatarsophalangeal (fetlock) joints in horses. Yovich JV, et al. J Am Vet Med Assoc 1986 Feb 1;188(3):273–9

PATHOLOGY

A statistical analysis on the reliability of the proximal articular set angle. Amarnek DL, et al. J Foot Surg 1986 Jan–Feb;25(1):39–43
[Presence of a nucleus of distal ossification of the first metatarsus and its correlation with the pathogenesis of juvenile hallux rigidus] Saggini R, et al.
Arch Putti Chir Organi Mov 1984;34:59–69 (Eng. Abstr.) (Ita)

PHYSIOLOGY

Kinematics of the first metatarsophalangeal joint. Shereff MJ, et al. J Bone Joint Surg [Am] 1986 Mar;68(3):392–8
Role of the metatarsophalangeal (MTP) joints of the foot in level walking. Fujita M.
Nippon Seikeigeka Gakkai Zasshi 1985 Nov;59(11):985–97

PHYSIOPATHOLOGY

Biomechanical implications of hammertoe deformities. Morris JL. Clin Podiatr Med Surg 1986 Apr;3(2):339–46
[Biomechanics of the metatarsophalangeal joints] Jacob HA, et al. Z Orthop 1985 Nov–Dec;123(6):929–38 (Eng. Abstr.) (Ger)

SURGERY

Reconstructive foot surgery. Tillmann K.
Ann Chir Gynaecol [Suppl] 1985;198:90–5
Digital arthroplasty. Burns AE. Clin Podiatr Med Surg 1986 Jan;3(1):11–21
Digital implantation. Gerbert J. Clin Podiatr Med Surg 1986 Jan;3(1):95–102
Digital arthrodesis. Gerbert J. Clin Podiatr Med Surg 1986 Jan;3(1):77–93
Arthroplasty via intermediate phalangectomy. Partial or complete. Jenkin WM. Clin Podiatr Med Surg 1986 Jan;3(1):41–55
Lesser digital arthrodesis. Monson DK, et al.
Clin Podiatr Med Surg 1986 Apr;3(2):347–56
Granulomatous inguinal lymphadenopathy after bilateral metatarsophalangeal joint silicone arthroplasty. Shiel WC Jr, et al. Foot Ankle 1986 Apr;6(5):216–8
A biomechanical study using cadaveric toes to test the stability of fixation techniques employed in arthrodesis of the first metatarsophalangeal joint. Sykes A, et al.
Foot Ankle 1986 Aug;7(1):18–25
Load cell analysis following silastic arthroplasty of the hallux. Beverly MC, et al. Int Orthop 1985;9(2):101–4
A box joint arthrodesis for the proximal interphalangeal joint in claw toe deformity. Bernbach EH, et al.
J Am Podiatr Med Assoc 1985 Nov;75(11):575–80
Intramedullary power broaching. Nuzzo JJ, et al.
J Am Podiatr Med Assoc 1986 Feb;76(2):84–6
Arthroscopic surgery for osteochondral fractures of the proximal phalanx of the metacarpophalangeal and metatarsophalangeal (fetlock) joints in horses. Yovich JV, et al. J Am Vet Med Assoc 1986 Feb 1;188(3):273–9
Consecutive bilateral failures of first metatarsophalangeal joint prostheses. McDonald RJ, et al. J Foot Surg 1986 May–Jun;25(3):226–33
Atypical gouty arthritis. Mauro G, et al. J Foot Surg 1985 Jul–Aug;24(4):280–2
Comparison of total hinged and total nonhinged implants for the lesser digits. Mednick DL, et al. J Foot Surg 1985 May–Jun;24(3):215–8
Implant arthroplasty of the first metatarsophalangeal joint: a 12-year retrospective study. Mondul M, et al.
J Foot Surg 1985 Jul–Aug;24(4):275–9
A preliminary report on the status of implants for the lesser toes. Sollitto RJ, et al. J Foot Surg 1985 Nov–Dec;24(6):453–5
The long term results of single stem silastic arthroplasty of the great toe. Brewood AF, et al. J R Coll Surg Edinb 1985 Jun;30(3):159–61
[Arthrodesis of the metatarsophalangeal joint of the large toe] von Salis-Soglio GF, et al. Z Orthop 1986 May–Jun;124(3):288–92 (Eng. Abstr.) (Ger)
[The role of subcapital metatarsal osteotomy in the correction

of hallux valgus] Perjés K.
Magy Traumatol Orthop Helyreallito Sebesz 1986; 29(3):187–95 (Eng. Abstr.) **(Hun)**

TRANSPLANTATION

Reconstruction of metacarpophalangeal joint by free vascularized autogenous metatarsophalangeal joint transplant. Kuc ET, et al. **J Reconstr Microsurg** 1984 Jul; 1(1):65–74

TOES

Thiemann's finger or toe disease. Follow-up of seven cases. Schantz K, et al. **Acta Orthop Scand** 1986 Feb;57(1):91–3
Blue toe syndrome. Lyons DM, et al. **Am Fam Physician** 1986 Jun;33(6):107–12
Interdigital angioleiomyoma. Brenner MA, et al. **Cutis** 1986 May;37(5):350–3
Toe nail disease secondary to poorly fitting shoes or abnormal biomechanics. Gibbs RC. **Cutis** 1985 Nov;36(5):399–400
Autotomy following sciatic and saphenous nerve sections: sparing of the medial toes after treatment of the sciatic nerve with capsaicin. Coderre TJ, et al. **Exp Neurol** 1986 Feb;91(2):355–65
Adenocarcinoma of the lung with phalangeal metastasis. A case report. Eggold JF, et al. **J Am Podiatr Med Assoc** 1985 Oct;75(10):547–50
Soft tissue mass resembling a sixth toe. Leavitt K, et al. **J Am Podiatr Med Assoc** 1986 Jun;76(6):350–1
Evaluation and management of the web corn involving the fourth interdigital space. Zeringue GN Jr, et al. **J Am Podiatr Med Assoc** 1986 Apr;76(4):210–3
[Distal bone lesions in leprosy apropos of 19 personal cases] Quenesu P, et al. **Acta Leprol (Geneve)** 1985 Apr–Jun; (97):113–31 **(Fre)**
[Rare localization of osteoid osteoma (distal phalanx of the foot)] Mantovani O, et al. **Chir Organi Mov** 1985 Jul–Sep; 70(3):283–5 (Eng. Abstr.) **(Ita)**
[Subungual de novo melanoma of the toe of the right foot] Beliaev NV, et al. **Vestn Khir** 1985 Sep;135(9):113–4 **(Rus)**

ABNORMALITIES

Bannayan syndrome—generalized lipomatosis associated with megalencephaly and macrodactyly. Okumura K, et al. **Acta Pathol Jpn** 1986 Feb;36(2):269–77
New syndrome: a digito–reno–cerebral syndrome. Eronen M, et al. **Am J Med Genet** 1985 Oct;22(2):281–5
Distal obstructive uropathy with polydactyly: a new syndrome? Halal F. **Am J Med Genet** 1986 Aug;24(4):753–7
Dominant inheritance of syn–camptodactyly of the second and third toes with foot and lower limb asymmetry and scoliosis. Halal F. **Am J Med Genet** 1985 Sep;22(1):149–56
Characteristic craniofacial appearance and brachytelephalangy in a mother and son with Kallman syndrome in the son. Hunter AG, et al. **Am J Med Genet** 1986 Jul;24(3):527–32
Proximal symphalangia and stapes ankylosis. Cremers C, et al. **Arch Otolaryngol** 1985 Nov;111(11):765–7
Terminal transverse defects with aplasia cutis congenita (Adams–Oliver syndrome). Shapiro SD, et al. **Birth Defects** 1985;21(2):135–42
Bone dependent nail formation. Baran R, et al. **Br J Dermatol** 1986 Mar;114(3):371–5
Cryptophthalmos—syndactyly syndrome without cryptophthalmos. Koenig R, et al. **Clin Genet** 1986 May; 29(5):413–6
Polydactyly and polysyndactyly of the fifth toe. Nogami H. **Clin Orthop** 1986 Mar;(204):261–5
Biomechanical implications of hammertoe deformities. Morris JL. **Clin Podiatr Med Surg** 1986 Apr;3(2):339–46
Congenital duplication of the foot and toes. Leeson MC, et al. **Foot Ankle** 1985 Jan–Feb;5(4):191–7
Opitz trigonocephaly syndrome and terminal transverse limb reduction defects. Fryns JP, et al. **Helv Paediatr Acta** 1985; 40(6):485–8
Anonychia with ectrodactyly of one foot. Ortonne JP, et al. **Int J Dermatol** 1986 Apr;25(3):188
Synpolydactyly. A case report and literature review. Rosen RC, et al. **J Am Podiatr Med Assoc** 1985 Oct;75(10):540–4
Ulcerative lichen planus associated with webbing of the toes. Sonnex TS, et al. **J R Soc Med** 1986 Jun;79(6):363–5
Ectrodactyly, ectodermal dysplasia and cleft lip syndrome. Yap HK, et al. **J Singapore Paediatr Soc** 1985;27(3–4):215–7
Oculodentodigital dysplasia. Schuller MG, et al. **Oral Surg Oral Med Oral Pathol** 1986 Apr;61(4):418–21
[Brachydactyly with anonychia] Tennstedt D, et al. **Ann Dermatol Venereol** 1985;112(11):901–5 **(Fre)**
[Aglossia–adactylia. Apropos of a case. Review of the literature] Schuhl JP. **Ann Pediatr (Paris)** 1986 Feb; 33(2):137–40 (Eng. Abstr.) **(Fre)**
[Heptadactylia of the foot—report of a rare abnormality] Stein V, et al. **Beitr Orthop Traumatol** 1986 Apr;33(4):214–7 (Eng. Abstr.) **(Ger)**
[Polydactyly in the Pelger–Huet anomaly] Kallo J. **Folia Haematol (Leipz)** 1985;112(3):409–14 (Eng. Abstr.) **(Ger)**
[Prenatal diagnosis of Meckel's syndrome in a family] Degenhardt F, et al. **Ultraschall Med** 1985 Aug;6(4):226–8 (Eng. Abstr.) **(Ger)**
[Operative treatment of hallux varus duplex] Grill F, et al. **Z Orthop** 1985 Nov–Dec;123(6):939–42 (Eng. Abstr.) **(Ger)**
[Surgical treatment of hammer toe] Bardelli M, et al. **Arch Putti Chir Organi Mov** 1984;34:47–54 (Eng. Abstr.) **(Ita)**
[An experimental study on the development of myleran–induced oligodactyly in rats] Kato S. **Nippon Seikeigeka Gakkai Zasshi** 1985 Jun;59(6):631–9 (Eng. Abstr.) **(Jpn)**
[Coffin–Siris syndrome] Bochkova DN, et al. **Pediatriia** 1986 May;(5):59–61 **(Rus)**

ANATOMY & HISTOLOGY

Anatomy of the digits. Chan R. **Clin Podiatr Med Surg** 1986 Jan;3(1):3–9
The hallucal interphalangeal sesamoid. McCarthy DJ, et al. **J Am Podiatr Med Assoc** 1986 Jun;76(6):311–9

BLOOD SUPPLY

Autonomic neuropathy and toe circulation. A prospective study. Sundkvist G, et al. **Acta Med Scand** 1986; 219(3):305–8
Peripheral circulation in hypertensive patients: findings by digital pulse plethysmography. Ferrara LA, et al. **Artery** 1985;12(6):346–51
Vein graft in toe to hand transfers. Krylov VS, et al. **Int Angiol** 1985 Apr–Jun;4(2):141–5
111 Indium labelled platelet scanning in the diagnosis of microembolic disease: a prospective study. Comerfold J, et al. **Ir J Med Sci** 1986 Apr;155(4):121–2
Transient vasospasm. The blue toe. Borovoy M, et al. **J Am Podiatr Med Assoc** 1985 Dec;75(12):656–7
Digital blood flow and nailfold capillary microscopy in Raynaud's phenomenon. Lee P, et al. **J Rheumatol** 1986 Jun;13(3):564–9
The blue toe syndrome: hemodynamics and therapeutic correlates of outcome. Wingo JP, et al. **J Vasc Surg** 1986 Mar;3(3):475–80
Comparison of resting capillary flow dynamics in the finger and toe nailfolds. Richardson D, et al. **Microcire Endothelium Lymphatics** 1984 Dec;1(6):645–56
[Parameters of acral vasomotor activity—sensory arousal variables in psychological stress] Gruber G, et al. **Z Gesamte Inn Med** 1986 Mar 15;41(6):177–9 (Eng. Abstr.) **(Ger)**

INJURIES

Stress fracture of the proximal phalanx of the great toe. A report of three cases. Yokoe K, et al. **Am J Sports Med** 1986 May–Jun;14(3):240–2
Digital trauma: another reduction technique [letter] Chinn S, et al. **J Am Podiatr Med Assoc** 1986 Aug;76(8):477–8
Digital amputation following trauma–induced gangrene. Fishman SA, et al. **J Am Podiatr Med Assoc** 1986 Jun; 76(6):351–4
The tourniquet syndrome. A case report. Pester RD, et al. **J Am Podiatr Med Assoc** 1986 Jun;76(6):354–5
"Feet of clay". Schock CC. **J Arkansas Med Soc** 1986 Jan; 82(8):383–4
[Short wave therapy in diabetic prodromata] Bauer G, et al. **Z Rechtsmed** 1985;95(4):265–75 (Eng. Abstr.) **(Ger)**

INNERVATION

Sural and intermediate dorsal cutaneous neurectomy [letter] Conway VH, et al. **J Am Podiatr Med Assoc** 1986 Aug; 76(8):477

PATHOLOGY

Coumarin induced acral skin necrosis associated with hereditary protein C deficiency. Pabinger I, et al. **Blut** 1986 Jun;52(6):365–70
Macrodactyly of the hand and foot. Kumar K, et al. **Int Orthop** 1985;9(4):259–64
Acral purpura: an unusual sign of coumarin necrosis. Stone MS, et al. **J Am Acad Dermatol** 1986 May;14(5 Pt 1):797–802
[Solid epidermoid hidradenoma of the large toe] Flegel H. **Dermatol Monatsschr** 1985;171(10):641–4 (Eng. Abstr.) **(Ger)**
[A case of chronic sensory neuropathy accompanied with orthostatic hypotension, hypohidrosis and loss of toes] Tsuchiya M, et al. **Rinsho Shinkeigaku** 1985 Oct; 25(10):1210–6 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Cerebral potentials preceding voluntary toe, knee and hip movements and their vectors in human precentral gyrus. Boschert J, et al. **Brain Res** 1986 Jun 18;376(1):175–9
[The toe flexion test for the recognition of early stages of functional disorders and deformities of the forefoot] Karski T. **Beitr Orthop Traumatol** 1985 Jun;32(6):305–7 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Transcutaneous oxygen recovery and toe pulse reappearance time in the assessment of peripheral vascular disease. Kram HB, et al. **Circulation** 1985 Nov;72(5):1022–7
Biomechanical implications of hammertoe deformities. Morris JL. **Clin Podiatr Med Surg** 1986 Apr;3(2):339–46
Electromyography of idiopathic toe walking. Kalen V, et al. **J Pediatr Orthop** 1986 Jan–Feb;6(1):31–3

RADIOGRAPHY

A radiographic characterization of toe length disparity and its relation to nutrition and structural unsoundness in boars, barrows and sows. Grandhi RR, et al. **J Anim Sci** 1986 May;62(5):1172–80

SURGERY

Digital surgery. **Clin Podiatr Med Surg** 1986 Jan;3(1):1–219
Matricectomy utilizing negative galvanic current. Bouché RT. **Clin Podiatr Med Surg** 1986 Jul;3(3):449–56
Arthroplasty of the fifth digit. Dobbs BM. **Clin Podiatr Med Surg** 1986 Jan;3(1):29–39
Correction of iatrogenic floating toe following resection of the base of the proximal phalanx. Friend G. **Clin Podiatr Med Surg** 1986 Jan;3(1):57–64
Arthroplasty via intermediate phalangectomy. Partial or complete. Jenkin WM. **Clin Podiatr Med Surg** 1986 Jan; 3(1):41–55
Soft tissue digital procedures. Sokoloff HM. **Clin Podiatr Med Surg** 1986 Jan;3(1):23–8
Syndactylism in podiatric surgery. Stewart WP. **Clin Podiatr Med Surg** 1986 Jan;3(1):65–76
Minimal incision techniques for digital deformities. White DL. **Clin Podiatr Med Surg** 1986 Jan;3(1):103–20
Molded foot orthosis after great toe or medial ray amputations in diabetic feet. Due TM, et al. **Foot Ankle** 1985 Dec;6(3):150–2
Importance of debridement in the treatment of gram–negative bacterial toe web infection [letter] King DF, et al. **J Am Acad Dermatol** 1986 Feb;14(2 Pt 1):278–9
Dorsolateral approach for hammer toe correction. Berstein DA, et al. **J Am Podiatr Med Assoc** 1986 Aug;76(8):473–6
Angiofibrolipoma. A histologic variant of the lipoma. Kershisnik W, et al. **J Am Podiatr Med Assoc** 1986 Feb; 76(2):67–70
Modified tension band wiring for internal fixation of the surgical osteotomy. Schwartz NH, et al. **J Am Podiatr Med Assoc** 1986 Jun;76(6):324–7
Hallux valgus secondary to amputation of the second toe. A case report. Seligman RS, et al. **J Am Podiatr Med Assoc** 1986 Feb;76(2):89–92
Digital amputation [editorial] Reinherz RP, et al. **J Foot Surg** 1986 Jan–Feb;25(1):1–2
Calcaneal bone graft after enchondroma excision. Rude CC, et al. **J Foot Surg** 1985 Jul–Aug;24(4):283–7
Arterial autografts in microvascular surgery. Godina M. **Plast Reconstr Surg** 1986 Sep;78(3):293–4
An economic analysis of performance data from toe–clipped laying hens housed at variable stocking densities. Satterlee DG, et al. **Poult Sci** 1985 Aug;64(8):1424–9
[Surgery for hammer toe] Dvořák J. **Acta Chir Orthop Traumatol Cech** 1985 Dec;52(6):547–9 (Eng. Abstr.) **(Cze)**
[Toe amputation and transmetatarsal foot amputation for gangrene] Adhin SK, et al. **Ned Tijdschr Geneeskd** 1985 Dec 7;129(49):2360–4 (Eng. Abstr.) **(Dut)**

TRANSPLANTATION

The great–toe–to–thumb transfer. Faust DC, et al. **Ala J Med Sci** 1986 Jan;23(1):88–91
Retrospective survey of seventeen toe transfers relation between surgical techniques and functional results. Egloff DV. **Ann Chir Main** 1985;4(4):286–93 **(Eng, Fre)**
Free toe pulp transfer to restore traumatic digital pulp loss. Logan A, et al. **Br J Plast Surg** 1985 Oct;38(4):497–500
Method of reconstructing thumb, index and/or middle finger for digitless hands. Yu ZJ, et al. **Chin Med J [Engl]** 1985 Dec;98(12):868–72
Thumb reconstruction with free big toe skin–nail flap and bones, joints, and tendons of the second toe—report of the cases. Yu ZJ, et al. **Chin Med J [Engl]** 1985 Dec; 98(12):863–7
Osteocutaneous flaps for thumb and digit reconstruction. In unique situations. Coleman DA, et al. **Hand Clin** 1985 Nov; 1(4):717–28
Reconstruction of congenital hand defects with microvascular toe transfers. Gilbert A. **Hand Clin** 1985 May;1(2):351–60
Thumb reconstruction using second–toe transfer. Leung PC. **Hand Clin** 1985 May;1(2):285–95
Great toe–to–hand free tissue transfer for thumb reconstruction. May JW Jr, et al. **Hand Clin** 1985 May; 1(2):271–84
Wrap–around procedure for thumb reconstruction. Urbaniak JR. **Hand Clin** 1985 May;1(2):259–69
Functional evaluation of the hand and foot after one–stage toe–to–hand transfer. Frykman GK, et al. **J Hand Surg [Am]** 1986 Jan;11(1):9–17
Composite metacarpophalangeal joint reconstruction in great toe–to–hand free tissue transfers [letter] May JW Jr, et al. **J Hand Surg [Am]** 1985 Sep;10(5):759–60
Reconstruction of a hand, amputated at the metacarpophalangeal level, by means of combined second and third toes from each foot: a case report. Wei FC, et al. **J Hand Surg [Am]** 1986 May;11(3):340–4
Finger reconstruction using toe transplantation. Leung PC. **J Hand Surg [Br]** 1986 Feb;11(1):20–2
Sensory recovery in replanted digits and transplanted toes:

a review. Dellon AL. **J Reconstr Microsurg** 1986 Jan; 2(2):123–9 (37 ref.)
Vascular variations and their treatment in toe transplantation. Gu YD, et al. **J Reconstr Microsurg** 1985 Jan;1(3):227–32
Functional comparison between pollicization and toe-to-hand transfer for thumb reconstruction. Michon J, et al. **J Reconstr Microsurg** 1984 Oct;1(2):103–12
Bilateral hand reconstruction: report of three cases. Yu ZJ, et al. **J Reconstr Microsurg** 1985 Jul;1(4):253–61
Circulatory crisis in free toe-to-hand transfer and its management. Gu YD, et al. **J Tongji Med Univ** 1986; 6(2):71–4
Free tissue transfers to the upper extremity. Kerrigan CL, et al. **Orthop Clin North Am** 1986 Jul;17(3):383–94
[Changes in skin temperature after toe transplantation in thumb injuries] Zhi JD. **Chung Hua Hu Li Tsa Chih** 1986 Feb;21(1):10–2 **(Chi)**
[Growth potential of vascularized epiphyseal bone transplants. Experimental and clinical study] Katz D, et al. **Ann Chir Main** 1985;4(3):249–58 (Eng. Abstr.) **(Fre)**
[Toe transfer to a mid-hand stump covered with abdominal skin] Schiewe R, et al. **Handchir Mikrochir Plast Chir** 1986 Jan;18(1):30–4 (Eng. Abstr.) **(Ger)**
[Closure of donor defects after free transplantation of toes to the hand] Belousov AE, et al. **Ortop Travmatol Protez** 1985 Jul;(7):53–5 **(Rus)**

TOGAVIRIDAE

CLASSIFICATION

Togaviridae. Westaway EG, et al. **Intervirology** 1985; 24(3):125–39 (37 ref.)

GROWTH & DEVELOPMENT

Mosquito cell cultures and the study of arthropod-borne togaviruses. Igarashi A. **Adv Virus Res** 1985;30:21–42 (169 ref.)
Elimination of persistent simian hemorrhagic fever (SHF) virus infection in patas monkeys. Gravell M, et al. **Proc Soc Exp Biol Med** 1986 Feb;181(2):219–25

IMMUNOLOGY

Kunjin virus encephalomyelitis. Muller D, et al. **Med J Aust** 1986 Jan 6;144(1):41–2
Differences among isolates of simian hemorrhagic fever (SHF) virus. Gravell M, et al. **Proc Soc Exp Biol Med** 1986 Jan;181(1):112–9

TOGAVIRUS INFECTIONS

A case of West Nile (WN) virus encephalitis [letter] Rodrigues JJ, et al. **J Assoc Physicians India** 1985 Jul; 33(7):500
[Primates as laboratory models of viral persistence and the chronic course of viral encephalitis] Fokina GI, et al. **Vestn Akad Med Nauk SSSR** 1986;(3):72–4 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Cells with natural killer activity in the cerebrospinal fluid of normal mice and athymic nude mice with acute Sindbis virus encephalitis. Griffin DE, et al. **J Immunol** 1986 Mar 1;136(5):1841–5

COMPLICATIONS

Ockelbo disease: arthralgia 3–4 years after infection with a Sindbis virus related agent [letter] Niklasson B, et al. **Lancet** 1986 May 3;1(8488):1039–40

DIAGNOSIS

Detection of Ross River virus immunoglobulin M antibodies by enzyme-linked immunosorbent assay using antibody class capture and comparison with other methods. Carter IW, et al. **Pathology** 1985 Jul;17(3):503–8
[West Nile fever (West Nile encephalitis)] Ivanov KS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Jul;(7):110–3 **(Rus)**

DRUG THERAPY

Failure of high doses of potentially antiviral agents to prevent death in virus-infected mice. Veckenstedt A, et al. **Acta Virol (Praha)** 1985 May;29(3):216–24
Antiviral effect of 1-morpholinomethyl-tetrahydro-2(1H)-pyrimidinone (DD-13) in experimental alphaviral infections in white mice. Karparov A, et al. **Arzneimittelforschung** 1985; 35(8):1269–75
Enhancement in anti-Semliki Forest virus activity of ds RNA by a muramyl dipeptide. George CX, et al. **FEBS Lett** 1986 May 5;200(1):37–41
[Blocking of Sindbis virus replication in the body of infected mice using an inhibitor of chymotrypsin-like proteases] Zhirnov OP, et al. **Vopr Virusol** 1985 Jul-Aug;30(4):450–3 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Chikungunya fever among U.S. Peace Corps volunteers—Republic of the Philippines. **MMWR** 1986 Sep 12;35(36):573–4
[Role of virus-induced autoreactive T-lymphocytes, T-suppressors and the serum factor regulating their activity in the pathogenesis of experimental infection caused by the Langat virus in mice] Khozinskii VV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Aug;(8):66–73 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Aspects of monoclonal antibody-mediated protection of mice against infection with virulent Semliki Forest virus. Boere WA, et al. **Antiviral Res** 1985;Suppl 1:149–53
The inflammatory response in the synovium of a patient with Ross River arbovirus infection. Hazelton RA, et al. **Aust NZ J Med** 1985 Jun;15(3):336–9
The role of complement in monoclonal antibody-mediated protection against virulent Semliki Forest virus. Boere WA, et al. **Immunology** 1986 Aug;58(4):553–9
Complex-specific immunoglobulin M antibody patterns in humans infected with alphaviruses. Calisher CH, et al. **J Clin Microbiol** 1986 Jan;23(1):155–9
Stimulation of helper/delayed-type hypersensitivity T cells by flavivirus infection: determination by macrophage procoagulant assay. Allan JE, et al. **J Gen Virol** 1986 Jan; 67 (Pt 1):39–46

METABOLISM

Increased sugar transport in BHK cells infected with Semliki Forest virus or with herpes simplex virus. Gray MA, et al. **Arch Virol** 1986;87(1–2):37–48

MICROBIOLOGY

Experimental infection with Murray Valley encephalitis virus: galahs, sulphur-crested cockatoos, corellas, black ducks and wild mice. Kay BH, et al. **Aust J Exp Biol Med Sci** 1985 Oct;63 (Pt 5):599–606
Persistence of virulent Semliki Forest virus in mouse brain following co-inoculation with defective interfering particles. Atkinson T, et al. **J Gen Virol** 1986 Jun;67 (Pt 6):1189–94
Subclinical infections in mice resulting from the modulation of a lethal dose of Semliki Forest virus with defective interfering viruses: neurochemical abnormalities in the central nervous system. Barrett AD, et al. **J Gen Virol** 1986 Aug;67 (Pt 8):1727–32
The pathogenicity of the A7, M9 and L10 strains of Semliki Forest virus for weanling mice and primary mouse brain cell cultures. Gates MC, et al. **J Gen Virol** 1985 Nov;66 (Pt 11):2365–73
[Persistence of the tick-borne encephalitis and Langat viruses in mouse thymocytes in experimental infection against a background of cyclophosphane-induced immunodepression] Vargin VV, et al. **Vopr Virusol** 1985 Sep-Oct;30(5):577–81 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Arbovirus infection in a Murray Valley community. Fraser JR, et al. **Aust NZ J Med** 1986 Feb;16(1):52–7
Genetically controlled resistance to flaviviruses within the house mouse complex of species. Sangster MY, et al. **Curr Top Microbiol Immunol** 1986;127:313–8
Illness caused by a Kokobera-like virus in south-eastern Australia. Boughton CR, et al. **Med J Aust** 1986 Jul 21; 145(2):90–2
Possible outbreak of epidemic polyarthritis [letter] Fraser JR. **Med J Aust** 1986 Feb 3;144(3):167
Arbovirus infections of humans in New South Wales. Seroepidemiology of the flavivirus group of togaviruses. Hawkes RA, et al. **Med J Aust** 1985 Dec 9–23; 143(12–13):555–61
Kunjin virus encephalomyelitis. Muller D, et al. **Med J Aust** 1986 Jan 6;144(1):41–2
Sindbis and West Nile virus infections in the Witwatersrand-Pretoria region. Jupp PG, et al. **S Afr Med J** 1986 Aug 16;70(4):218–20

PATHOLOGY

[Ultrastructural changes of neonatal thymuses of mice infected with virus] Yang HB. **Chung-hua Ping Li Hsueh Tsa Chih** 1985 Sep;14(3):221–3 (Eng. Abstr.) **(Chi)**

PHYSIOPATHOLOGY

Enhanced retinal and optic nerve excitability associated with demyelination in mice infected with Semliki Forest virus. Tansey EM, et al. **Brain** 1986 Feb;109 (Pt 1):15–30

PREVENTION & CONTROL

Inhibition by Norakin (triperiden) of Sindbis virus infection in mice. Veckenstedt A, et al. **Acta Virol (Praha)** 1985 May; 29(3):209–15
Monoclonal antibody cure and prophylaxis of lethal Sindbis virus encephalitis in mice. Stanley J, et al. **J Virol** 1986 Apr;58(1):107–15

TOILET FACILITIES

Method for detecting viruses in aerosols. Wallis C, et al. **Appl Environ Microbiol** 1985 Nov;50(5):1181–6
A new urine bag—'Urobag' [letter] Simon D, et al. **Eur Urol** 1985;11(4):288
A bacteriological investigation of the effectiveness of cleaning and disinfection procedures for toilet hygiene. Scott E, et al. **J Appl Bacteriol** 1985 Sep;59(3):291–7
Dangerous dunnies and avoidable accidents [letter] Forbes D. **Med J Aust** 1986 May 12;144(10):555–6

HISTORY

[Physiological problems of every-day-life in the concentration camp] Jezierska ME. **Przegl Lek** 1986; 43(1):161–6 **(Pol)**

STANDARDS

Toilet facilities in a large Indian teaching hospital. Agarwal N, et al. **Int Rehabil Med** 1985;7(3):135–6

TOILET TRAINING

Shaping self-initiated toileting in infants. Smeets PM, et al. **J Appl Behav Anal** 1985 Winter;18(4):303–8
[The collecting dripping urine in incontinent elderly] Cools HJ. **Ned Tijdschr Geneeskd** 1986 Jan 18;130(3):97–100 **(Dut)**

TOKEN ECONOMY

Improving mealtime behaviors through token reinforcement. A study with mentally retarded behaviorally disordered children. Sisson LA, et al. **Behav Modif** 1986 Jul; 10(3):333–54
The role of meals as a reinforcing event in a token economy programme. Higson PJ, et al. **Br J Psychiatry** 1985 Aug; 147:170–4
Implementation of a token economy by peer tutors to increase on-task physical activity time of autistic children. Mangus B, et al. **Percept Mot Skills** 1986 Aug;63(1):97–8
Monetary incentives to improve follow-up data collection. Kramer FM, et al. **Psychol Rep** 1986 Jun;58(3):739–42
An operant approach to increasing performance of household chores: a case study using behavioral consultation. Strauss CA. **Psychol Rep** 1986 Jun;58(3):738

TOKEN REINFORCEMENT see **TOKEN ECONOMY**

TOLAMOLOL see under **PROPANOLAMINES**

TOLAZAMIDE

ADMINISTRATION & DOSAGE

Insulin and a sulfonylurea agent in non-insulin-dependent diabetes mellitus. Longnecker MP, et al. **Arch Intern Med** 1986 Apr;146(4):673–6
Adjuvant therapy with tolazamide and insulin improves metabolic control in type I diabetes mellitus. Kabadi UM. **Diabetes Care** 1985 Sep-Oct;8(5):440–6

PHARMACODYNAMICS

Differential activities of tolbutamide, tolazamide, and glyburide in vitro on rabbit myocardial membrane Ca2+-transporting ATPase activity. Warnick PR, et al. **Diabetes** 1986 Sep;35(9):1044–8
Effect of tolazamide on basal ketogenesis, glycogenesis, and gluconeogenesis in liver obtained from normal and diabetic rats. McCormick K, et al. **Endocrinology** 1986 Sep; 119(3):1268–73
Potentiation of glucose-stimulated insulin release by tolazamide and paradoxical absence of glucose facilitation (Staub effect) in non-insulin-dependent diabetes. Reich A, et al. **Metabolism** 1986 Apr;35(4):367–70

THERAPEUTIC USE

Increased resting metabolic rates in obese subjects with non-insulin-dependent diabetes mellitus and the effect of sulfonylurea therapy. Bogardus C, et al. **Diabetes** 1986 Jan; 35(1):1–5
Effects of tolazamide and exogenous insulin on insulin action in patients with non-insulin-dependent diabetes mellitus. Firth RG, et al. **N Engl J Med** 1986 May 15;314(20):1280–6

TOLAZOLINE

ADMINISTRATION & DOSAGE

Bolus and continuous infusion of tolazoline in neonates with hypoxemia. McMillan DD, et al. **Dev Pharmacol Ther** 1986; 9(3):192–200
Vasospasm in the neonate: response to tolazoline infusion. Heath RE Jr. **Pediatrics** 1986 Mar;77(3):405–8

ADVERSE EFFECTS

Duodenal perforation associated with tolazoline. Wilson RG, et al. **Arch Dis Child** 1985 Sep;60(9):878–9
Contact allergy to tolazoline. Frosch PJ, et al. **Contact Dermatitis** 1985 Oct;13(4):272

METABOLISM

Oliguria and tolazoline pharmacokinetics in the newborn. Ward RM, et al. **Pediatrics** 1986 Mar;77(3):307–15

PHARMACODYNAMICS

Use of tolazoline as an antagonist to xylazine–ketamine–induced immobilization in African elephants. Allen JL. **Am J Vet Res** 1986 Apr;47(4):781–3

Effect of ascorbic acid and adrenergic receptor blockers on adrenaline induced in vitro follicular atresia in white Leghorn hens. Moudgal RP, et al. **Indian J Exp Biol** 1985 Jun;23(6):343–4

Xylazine hydrochloride–ketamine hydrochloride immobilization of wolves and its antagonism by tolazoline hydrochloride. Kreeger TJ, et al. **J Wildl Dis** 1986 Jul; 22(3):397–402

Immobilization of white-tailed deer with xylazine hydrochloride and ketamine hydrochloride and antagonism by tolazoline hydrochloride. Kreeger TJ, et al. **J Wildl Dis** 1986 Jul;22(3):407–12

A comparison of the sensitivities of neonatal hircine pulmonary and femoral arterial rings to tolazoline. Green RS, et al. **Pediatr Pharmacol (New York)** 1985;5(2):91–6

THERAPEUTIC USE

Clinical correlates do not predict PaO2 response after tolazoline administration in hypoxic newborns. Meadow W, et al. **Crit Care Med** 1986 Jun;14(6):548–51

Effect of amitraz on heart rate and aortic blood pressure in conscious dogs: influence of atropine, prazosin, tolazoline, and yohimbine. Hsu WH, et al. **Toxicol Appl Pharmacol** 1986 Jun 30;84(2):418–22

[Vasodilation in children with left–right shunt. Effect of tolazoline] Netz H. **Fortschr Med** 1986 Mar 13; 104(10):213–5 (Eng. Abstr.) (Ger)

[Causation and management of pulmonary hypertensive crisis after open heart surgery] Nishigaki K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Feb;34(2):135–9 (Eng. Abstr.) (Jpn)

TOLBUTAMIDE

ANALOGS & DERIVATIVES

The comparative effects of tolbutamide and the non–hypoglycemic analog carboxytolbutamide on guanylate cyclase activity. Vesely DL. **Horm Metab Res** 1986 Jan;18(1):10–3

Simultaneous determination of tolbutamide and its hydroxy and carboxy metabolites in plasma and urine by high–performance liquid chromatography. Keal J, et al. **J Chromatogr** 1986 May 28;378(1):237–41

ANALYSIS

High–performance liquid chromatographic determination of oxidized derivatives of tolbutamide in rat blood and urine. Shibasaki J, et al. **Chem Pharm Bull (Tokyo)** 1985 Oct; 33(10):4610–3

A kinetic study on the isothermal transition of polymorphic forms of tolbutamide and mefenamic acid in the solid state at high temperatures. Umeda T, et al. **Chem Pharm Bull (Tokyo)** 1985 May;33(5):2073–8

Simultaneous determination of tolbutamide and its hydroxy and carboxy metabolites in plasma and urine by high–performance liquid chromatography. Keal J, et al. **J Chromatogr** 1986 May 28;378(1):237–41

BLOOD

Normal metabolism of debrisoquine and theophylline in a slow tolbutamide metaboliser. Miners JO, et al. **Aust NZ J Med** 1985 Jun;15(3):348–9

Serum protein binding of tolbutamide in patients treated with antiepileptic drugs. Fernández MC, et al. **Clin Pharmacokinet** 1985 Sep–Oct;10(5):451–5

A new aspect of serum protein binding of tolbutamide. Ayanoğlu G, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Feb;24(2):65–8

Displacing effects of chenodeoxycholic acid, ursodeoxycholic acid and sulfadimethoxine on plasma protein binding of tolbutamide. Goto S, et al. **J Pharmacobiodyn** 1985 Jun;8(6):440–7

[The effect of aging on pharmacokinetics and pharmacodynamics of tolbutamide] Ikegami H. **Nippon Ronen Igakkai Zasshi** 1985 May;22(3):218–23 (Eng. Abstr.) (Jpn)

METABOLISM

Cotrimoxazole as an inhibitor of oxidative drug metabolism: effects of trimethoprim and sulphamethoxazole separately and combined on tolbutamide disposition. Wing LM, et al. **Br J Clin Pharmacol** 1985 Nov;20(5):482–5

Tolbutamide kinetics in cigarette smokers in the Indian population. Uppal R, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Feb;24(2):82–4

Inhibition of tolbutamide elimination by cimetidine but not ranitidine. Cate EW, et al. **J Clin Pharmacol** 1986 May–Jun; 26(5):372–7

PHARMACODYNAMICS

Effect of sulfonylureas on hepatic fatty acid oxidation. Patel TB. **Am J Physiol** 1986 Aug;251(2 Pt 1):E241–6

Effects of tolbutamide on gluconeogenesis and glycolysis in isolated perfused rat liver. Patel TB. **Am J Physiol** 1986 Jan;250(1 Pt 1):E82–6

Evidence for direct effect of tolbutamide on hepatic glycogenolysis induced by Ca2+–dependent hormones. Mine T, et al. **Biochem Pharmacol** 1986 Sep 15; 35(18):3103–7

Characterization of the sulfonylurea–induced potentiation of the insulin response in cultured 3T3 adipocytes. van Putten JP, et al. **Biochem Pharmacol** 1986 Jul 1;35(13):2141–4

Effects of tolbutamide pretreatment on the rate of conversion of newly synthesized proinsulin to insulin and the compartmental characteristics of insulin storage in isolated rat islets. Gold G, et al. **Diabetes** 1986 Jan;35(1):6–12

Tolbutamide increases hypothalamic serotonin activity in the rat. Grunstein HS, et al. **Diabetes** 1986 Apr;35(4):475–80

Differential activities of tolbutamide, tolazamide, and glyburide in vitro on rabbit myocardial membrane Ca2+–transporting ATPase activity. Warnick PR, et al. **Diabetes** 1986 Sep;35(9):1044–8

Acute insulin response to glucagon, tolbutamide, and glucose in non–insulin–dependent diabetes of the young. Naidoo C, et al. **Diabetes Care** 1986 Jan–Feb;9(1):57–60

Effects of tolbutamide on blood flow in islets and exocrine tissue of the rat pancreas. Vetterlein F, et al. **Eur J Pharmacol** 1985 Jul 31;113(3):395–8

Effect of fasting upon the potentiating effect of tolbutamide on the occurrence of alloxan diabetes. Katsumata K, et al. **Horm Metab Res** 1986 Mar;18(3):209–10

The comparative effects of tolbutamide and the non–hypoglycemic analog carboxytolbutamide on guanylate cyclase activity. Vesely DL. **Horm Metab Res** 1986 Jan;18(1):10–3

Elevation of the number of cell–surface insulin receptors and the rate of 2–deoxyglucose uptake by exposure of 3T3–L1 adipocytes to tolbutamide. Zuber MX, et al. **J Biol Chem** 1985 Nov 15;260(26):14045–52

Quantitative morphometric studies of pancreatic islets obtained from tolbutamide–treated rats. Yorde DE, et al. **J Histochem Cytochem** 1986 Sep;34(9):1195–200

Effects of tolbutamide on cultured heart cells of mice. Saito K, et al. **J Mol Cell Cardiol** 1986 Apr;18(4):449–54

Effects of sulfonylureas and clofibrate on insulin receptors in cultured human lymphocytes. Zeng SF, et al. **Kobe J Med Sci** 1985 Aug;31(4):169–82

[Importance of calcium in the interaction between prostaglandins E and sulfonylureas in utero] Villar A, et al. **Arch Farmacol Toxicol** 1986 Apr;12(1):41–8 (Eng. Abstr.) (Spa)

THERAPEUTIC USE

The controversial American University Group Diabetes Study—a look at sulfonylurea and biguanide therapy. Kilo C, et al. **Horm Metab Res [Suppl]** 1985;15:102–4

Effects of sulfonylurea compounds on Pneumocystis carinii. Hughes WT, et al. **J Infect Dis** 1986 May;153(5):944–7

TOLIPROLOL see under **PROPANOLAMINES**

TOLMETIN see under **PYRROLES**

TOLNAFTATE

PHARMACODYNAMICS

Ergosterol biosynthesis inhibition by the thiocarbamate antifungal agents tolnaftate and tolciclate. Ryder NS, et al. **Antimicrob Agents Chemother** 1986 May;29(5):858–60

The mode of antifungal action of tolnaftate. Barrett–Bee KJ, et al. **J Med Vet Mycol** 1986 Apr;24(2):155–60

THERAPEUTIC USE

Tinactin in the treatment of fungal otitis externa. Liston SL, et al. **Laryngoscope** 1986 Jun;96(6):699

A new combination of tolnaphtate and methylpartricine (SPA–S–345, Tritol) for mycotic skin infections. Lowy M, et al. **Mykosen** 1985 Sep;28(9):452–6

TOLONIUM CHLORIDE

DIAGNOSTIC USE

Toluidine blue stain for atypical cells [letter] Selden ST. **J Am Acad Dermatol** 1986 Mar;14(3):517

Advantages of a modified toluidine blue O stain and bronchoalveolar lavage for the diagnosis of Pneumocystis carinii pneumonia. Gosey LL, et al. **J Clin Microbiol** 1985 Nov;22(5):803–7

Toluidine blue rinse: potential for benign lesions in early detection of oral neoplasms. Moyer GN, et al. **J Oral Med** 1986 Apr–Jun;41(2):111–3

Staining of surgical specimens with toluidine blue prior to frozen section examination. Durante B, et al. **Laryngoscope** 1986 May;96(5):575–7

TOLOSA–HUNT SYNDROME see **OPHTHALMOPLEGIA**

TOLPERISONE see under **PROPIOPHENONES**

TOLUENE

Renal disease associated with toluene inhalation. Patel R, et al. **J Toxicol Clin Toxicol** 1986;24(3):213–23

Induction of sister–chromatid exchanges in Chinese hamster V79 cells by exposure to the photochemical reaction products of toluene plus NO2 in the gas phase. Shiraishi F, et al. **Mutat Res** 1986 Feb;173(2):135–9

Neurologic sequelae of chronic solvent vapor abuse. Hormes JT, et al. **Neurology** 1986 May;36(5):698–702

ADVERSE EFFECTS

Evaluation of the protective value of an antisolvent gel by laser Doppler flowmetry and histology. Mahmoud G, et al. **Contact Dermatitis** 1985 Jul;13(1):14–9

Occupational chronic exposure to organic solvents. XII. O–cresol excretion after toluene exposure. Angerer J. **Int Arch Occup Environ Health** 1985;56(4):323–8

Quantitative analysis of urinary glycine conjugates by high performance liquid chromatography: excretion of hippuric acid and methylhippuric acids in the urine of subjects exposed to vapours of toluene and xylenes. Ogata M, et al. **Int Arch Occup Environ Health** 1986;58(2):121–9

[Preventive examinations in the rotogravure printing industry] Boillat MA, et al. **Soz Praventivmed** 1986; 31(2):111–3 (Eng. Abstr.) (Fre)

[Hematological indicators of peripheral blood in workers occupationally exposed to benzene, toluene and xylene] Moszczyński P, et al. **Folia Med Cracov** 1984; 25(3–4):405–19 (Eng. Abstr.) (Pol)

ANALOGS & DERIVATIVES

The role of electron transfer and dithiol–disulfide interchange in solute transport in bacteria. Elferink MG, et al. **Ann NY Acad Sci** 1985;456:361–74 (36 ref.)

Isomer– and sex–specific bioactivation of mononitrotoluenes. Role of enterohepatic circulation. Chism JP, et al. **Drug Metab Dispos** 1985 Nov–Dec;13(6):651–7

[Experimental study of the toxicodynamics of parachlorobenzotrifluoride] Charyev OG, et al. **Gig Sanit** 1985 Jul;(7):26–8 (Rus)

[Determination of monochlorotoluenes in water] Kozlova VS. **Gig Sanit** 1986 Feb;(2):53–4 (Rus)

[Determination of the para–chlorobenzotrifluoride and toluene content in water] Kozlova VS, et al. **Gig Sanit** 1986 Jan;(1):35–7 (Rus)

[Electron structure, toxicologic parameters and hygienic regulation of halogen derivatives of toluene] Ulanova IP, et al. **Gig Tr Prof Zabol** 1986 Mar;(3):6–11 (Eng. Abstr.) (Rus)

ANALYSIS

Toluene concentrations in the blood and alveolar air of workers during the workshift and the morning after. Brugnone F, et al. **Br J Ind Med** 1986 Jan;43(1):56–61

Intoxilyzer interference by solvents [letter] Edwards MA, et al. **J Anal Toxicol** 1986 May–Jun;10(3):125

[Determination of the para–chlorobenzotrifluoride and toluene content in water] Kozlova VS, et al. **Gig Sanit** 1986 Jan;(1):35–7 (Rus)

BLOOD

Toxicokinetics of toluene in the rat. Rees DC, et al. **Scand J Work Environ Health** 1985 Aug;11(4):301–6

METABOLISM

Activation of 14C–toluene to covalently binding metabolites by rat liver microsomes. Pathiratne A, et al. **Drug Metab Dispos** 1986 Jul–Aug;14(4):386–91

The validity of urinary metabolites as indicators of low exposures to toluene. De Rosa E, et al. **Int Arch Occup Environ Health** 1985;56(2):135–45

Gene order of the TOL catabolic plasmid upper pathway operon and oxidation of both toluene and benzyl alcohol by the xylA product. Harayama S, et al. **J Bacteriol** 1986 Aug;167(2):455–61

PHARMACODYNAMICS

Effects of toluene permeabilization and cell deenergization on tetracycline resistance in Escherichia coli. McMurry LM, et al. **Antimicrob Agents Chemother** 1986 Apr; 29(4):681–6

Captan alters transcription in Escherichia coli permeabilized by toluene. Lewis RA, et al. **Mol Cell Biochem** 1985 Sep; 68(1):23–30

Inhibitory effect of toluene on tumor promotion in mouse skin. Weiss HS, et al. **Proc Soc Exp Biol Med** 1986 Feb; 181(2):199–204

Enzymes of neutrophils in workers occupationally exposed to benzene, toluene and xylene. Moszczyński P, et al. **Rev Exp Oncol** 1984;31(3):435–41

Experimental exposure to toluene in combination with ethanol intake. Psychophysiological functions. Iregren A, et al. **Scand J Work Environ Health** 1986 Apr;12(2):128–36

POISONING

Nervous system effects of long–term occupational exposure to toluene. Juntunen J, et al. **Acta Neurol Scand** 1985 Nov; 72(5):512–7

Oral intake of a toluene–containing thinner. Effects and headspace gas chromatographic analytical diagnosis. Zahlsen K, et al. **Arch Toxicol [Suppl]** 1985;8:412–5

THERAPEUTIC USE

Aversive taste treatment of finger and thumb sucking. Friman PC, et al. **Pediatrics** 1986 Jul;78(1):174–6

TOXICITY

Renal effects of acute exposure to toluene. A controlled clinical trial. Nielsen HK, et al. **Acta Med Scand** 1985; 218(3):317–21

The effect of toluene on the vestibulo- and opto-oculomotor system in rats. A computerized nystagmographic study. Larsby B, et al. **Acta Otolaryngol (Stockh)** 1986 May–Jun; 101(5–6):422–8

Effect of toluene on fathead minnow (Pimephales promelas Rafinesque) development. Devlin EW, et al. **Arch Environ Contam Toxicol** 1985 Sep;14(5):595–603

Electrocardiographic effects of toluene in the anesthetized rat. Vidrio H, et al. **Arch Int Pharmacodyn Ther** 1986 Jan; 279(1):121–9

The hepatotoxic potential of combined toluene–chronic ethanol exposure. Howell SR, et al. **Arch Toxicol** 1986 May; 59(1):45–50

Effects of ethylbenzene, toluene, and xylene on the induction of micronuclei in bone marrow polychromatic erythrocytes of mice. Mohtashamipur E, et al. **Arch Toxicol** 1985 Dec; 58(2):106–9

Combined effects of n-hexane and toluene on norepinephrine and dopamine levels in rat brain tissues after long-term exposures. Ikeda M, et al. **Bull Environ Contam Toxicol** 1986 Apr;36(4):510–7

Effects of toluene inhalation on carbon dioxide production and locomotor activity in mice. Bushnell PJ, et al. **Fundam Appl Toxicol** 1985 Oct;5(5):971–7

Inhaled toluene produces pentobarbital-like discriminative stimulus effects in mice. Rees DC, et al. **Life Sci** 1985 Oct 7;37(14):1319–25

Recent findings on the genetic toxicology of benzene, toluene, xylenes and phenols. Dean BJ. **Mutat Res** 1985 Nov;154(3):153–81 (133 ref.)

Toluene-induced ototoxicity by subcutaneous administration. Pryor GT, et al. **Neurobehav Toxicol Teratol** 1986 Jan–Feb; 8(1):103–4

Interactions between toluene and alcohol. Pryor GT, et al. **Pharmacol Biochem Behav** 1985 Sep;23(3):401–10

Response of solvent-exposed printers and unexposed controls to six-hour toluene exposure. Baelum J, et al. **Scand J Work Environ Health** 1985 Aug;11(4):271–80

A comparative study of the effects of benzene, toluene, and xylenes on their in vitro metabolism and drug-metabolizing enzymes in rat liver. Pathiratne A, et al. **Toxicol Appl Pharmacol** 1986 Feb;82(2):272–80

Partial insomnia, hyperactivity and hyperdipsia induced by repeated administration of toluene in rats: their relation to brain monoamine metabolism. Arito H, et al. **Toxicology** 1985 Oct;37(1–2):99–110

Neonatal exposure to toluene: effects on the development of liver microsomal cytochrome P-450 and serum hormone levels in the rat. Hansson T, et al. **Toxicology** 1985 Oct; 37(1–2):39–50

[Evaluation of various biochemical parameters in the urine and blood of painters in the carpentry business] Sołtys M, et al. **Med Pr** 1986;37(2):113–9 (Eng. Abstr.) **(Pol)**

TOLUENE DIISOCYANATE see under CYANATES

TOLUENESULFONYL COMPOUNDS see TOSYL COMPOUNDS

TOLUIDINE BLUE O see TOLONIUM CHLORIDE

TOLUIDINES

Amitraz: a tick and flea repellent and tick detachment drug. Folz SD, et al. **J Vet Pharmacol Ther** 1986 Jun;9(2):150–6

Pararosaniline or acriflavine–Schiff staining of epoxy embedded tissue after periodic acid oxidation in ethanol: a method suitable for morphometric and fluorometric analysis of glycogen. Ferey L, et al. **Stain Technol** 1986 Mar;61(2):107–10

Amitraz in the control of non-ixodide ectoparasites of livestock. Curtis RJ. **Vet Parasitol** 1985 Oct;18(3):251–64

ADMINISTRATION & DOSAGE

[Crotamiton (Eurax) as a mosquito repellent] Granhus B, et al. **Tidsskr Nor Laegeforen** 1986 Jun 10;106(16):1406–7 (Eng. Abstr.) **(Nor)**

ANALYSIS

Fate of atrazine and trifluralin from an industrial waste dumping at the Llobregat River. Presence in fish, raw and finished water. Rivera J, et al. **Int J Environ Anal Chem** 1986;24(3):183–91

DIAGNOSTIC USE

A visible DNA–protein stain: Feulgen–Pararosanilin(SO2) Light Green. Oud PS, et al. **Acta Histochem [Suppl] (Jena)** 1986;32:215–9

[Histopathological investigation of the central nervous system in leprosy. I. Distribution of para-rosanilin positive materials in leprosy with special relation to tissue injury] Yamada N. **Nippon Rai Gakkai Zasshi** 1984 Jul–Sep; 53(3):67–80 (Eng. Abstr.) **(Jpn)**

METABOLISM

Species differences in the toxicity of p-chloro-o-toluidine to rats and mice. Covalent binding to hepatic macromolecules and hepatic non-parenchymal cell DNA and an investigation of effects upon the incorporation of [3H] thymidine into capillary endothelial cells. Bentley P, et al. **Chem Biol Interact** 1986 Jan;57(1):27–40

PHARMACODYNAMICS

The cardiac effects of amitraz in the guinea-pig in vivo and in vitro. Pascoe AL, et al. **Comp Biochem Physiol [C]** 1986; 83(2):413–7

Amitraz-induced prolongation of gastrointestinal transit and bradycardia in dogs and their antagonism by yohimbine: preliminary study. Hsu WH, et al. **Drug Chem Toxicol** 1985; 8(4):239–53

Formamidine-mediated inhibition of rat platelet aggregation. Johnson TL, et al. **Gen Pharmacol** 1985;16(4):321–5

Differential effects of formamidine pesticides on fixed-interval behavior in rats. Moser VC, et al. **Toxicol Appl Pharmacol** 1986 Jun 30;84(2):315–24

TOXICITY

Yohimbine attenuates the delayed lethality induced in mice by amitraz, a formamidine pesticide. Moser VC, et al. **Toxicol Lett** 1985 Nov;28(2–3):99–104

TOMATINE see under ALKALOIDS

TOMOGRAPHY

Anatomic basis for tomographic analysis of the heart at autopsy. Edwards WD. **Cardiol Clin** 1984 Nov;2(4):485–506

Computer-aided microtomography with true 3-D display in electron microscopy. Nelson AC. **J Histochem Cytochem** 1986 Jan;34(1):57–60

Proceedings of the 25th annual meeting of the Japanese Society of Nuclear Medicine. October 9–11, 1985. Abstracts. **Kaku Igaku** 1986 May;23(5):581–756

The place of rotational tomography in dentistry. 2. Orthodontics. Farrant SD. **Radiography** 1986 Jan–Feb; 52(601):23–7

INSTRUMENTATION

An automated device for the preparation of complex reagent mixtures. The immunofluorescence tomograph. Buican TN, et al. **Cell Biophys** 1985 Jun;7(2):157–75

[Use of ultrasonic tomography for diagnosis of focal breast lesions (experiences with a high-resolution real-time- and compound-scanner)] Grosche N, et al. **Radiol Diagn (Berl)** 1985;26(6):787–98 (Eng. Abstr.) **(Ger)**

METHODS

Precision of measurement of bone density with a special purpose computed tomography scanner. Hosie CJ, et al. **Br J Radiol** 1986 Apr;59(700):345–50

An improved SIRT-style reconstruction algorithm for microwave tomography. Datta AN, et al. **IEEE Trans Biomed Eng** 1985 Sep;32(9):719–23

Reflection mode diffraction tomography. Roberts BA, et al. **Ultrason Imaging** 1985 Oct;7(4):300–20

TOMOGRAPHY, EMISSION COMPUTED

A comparison between regional cerebral blood flow measurements obtained in human subjects using 11C-methylalbumin microspheres, the C15O2 steady-state method, and positron emission tomography. Brooks DJ, et al. **Acta Neurol Scand** 1986 Apr;73(4):415–22

Brain metabolism and human gait—a PET study. Hellstrand E. **Acta Physiol Scand** 1985 Nov;125(3):555–6

Identification of seizure-mediating brain structures with the deoxyglucose method: studies of human epilepsy with positron emission tomography, and animal seizure models with contact autoradiography. Ackermann RF, et al. **Adv Neurol** 1986;44:921–34 (81 ref.)

Noninvasive quantification of the extent of jeopardized myocardium in patients with single-vessel coronary disease by stress thallium-201 single-photon emission computerized rotational tomography. Prigent F, et al. **Am Heart J** 1986 Mar;111(3):578–86

Effects of substrate availability on myocardial C-11 palmitate kinetics by positron emission tomography in normal subjects and patients with ventricular dysfunction. Schelbert HR, et al. **Am Heart J** 1986 Jun;111(6):1055–64

Measurement of left ventricular volume using single-photon emission computed tomography. Caputo GR, et al. **Am J Cardiol** 1985 Nov 1;56(12):781–6

Contrast-enhanced cine computed tomography for diagnosis of right coronary artery to coronary sinus arteriovenous fistula. MacMillan RM, et al. **Am J Cardiol** 1985 Dec 1; 56(15):997–8

Determination of left ventricular mass using single-photon emission computed tomography. Wolfe CL, et al. **Am J Cardiol** 1985 Nov 1;56(12):761–4

Metabolic imaging in hemianopsia using positron emission tomography with 18F-deoxyfluoroglucose. Kiyosawa M, et al. **Am J Ophthalmol** 1986 Mar 15;101(3):310–9

The application of positron emission tomography to the study of panic disorder. Reiman EM, et al. **Am J Psychiatry** 1986 Apr;143(4):469–77

The effect of regional lung injury or alveolar hypoxia on pulmonary blood flow and lung water measured by positron emission tomography. Schuster DP, et al. **Am Rev Respir Dis** 1986 Jun;133(6):1037–42

Slowly progressive aphasia without generalized dementia: studies with positron emission tomography. Chawluk JB, et al. **Ann Neurol** 1986 Jan;19(1):68–74

Imaging of neurotransmitter receptors in the living human brain. Sedvall G, et al. **Arch Gen Psychiatry** 1986 Oct; 43(10):995–1005

Diagnosis of traumatic cardiac contusion. Waxman K, et al. **Arch Surg** 1986 Jun;121(6):689–92

Internal derangements of the temporomandibular joint. II. Use of bone scanning as an aid to diagnosis. Ryan DE, et al. **Aust Dent J** 1985 Oct;30(5):349–54

An assessment of the roles of positron emission tomography and nuclear magnetic resonance imaging. Ter-Pogossian MM. **Australas Phys Eng Sci Med** 1986 Jan–Mar;9(1):10–7

Positron brain imaging—normal patterns and asymmetries. Finklestein S, et al. **Brain Cogn** 1982 Jul;1(3):286–93

Imaging for anaesthetists: a review of the methods and anaesthetic implications of diagnostic imaging techniques. Weston G, et al. **Can Anaesth Soc J** 1985 Sep;32(5):552–61

Positron emission tomography in patients with clinically diagnosed Alzheimer's disease. McGeer PL, et al. **Can Med Assoc J** 1986 Mar 15;134(6):597–607 (54 ref.)

Cardiovascular metabolic imaging: physiologic and biochemical dynamics in vivo. **Circulation** 1985 Nov;72(5 Pt 2):IV151–71

Cardiovascular metabolic imaging: physiologic and biochemical dynamics in vivo. Bethesda, Maryland, September 16 to 18, 1984. **Circulation** 1985 Nov;72(5 Pt 2):IV1–171

Regional perfusion, glucose metabolism, and wall motion in patients with chronic electrocardiographic Q wave infarctions: evidence for persistence of viable tissue in some infarct regions by positron emission tomography. Brunken R, et al. **Circulation** 1986 May;73(5):951–63

Ten precepts for quantitative data acquisition and analysis. Budinger TF, et al. **Circulation** 1985 Nov;72(5 Pt 2):IV53–62

Effects of blood flow on the positron-emission tomographic determination of substrate transport rates. Holden JE. **Circulation** 1985 Nov;72(5 Pt 2):IV72–6

Error in parameter estimates with variations in flow: measurement of oxygen utilization with positron-emission tomography. Huang SC, et al. **Circulation** 1985 Nov;72(5 Pt 2):IV77–80

Biochemical approaches to metabolism: application to positron-emission tomography. McMillin-Wood JB. **Circulation** 1985 Nov;72(5 Pt 2):IV145–50

Requirements for animal preparations for metabolic imaging. Rovetto MJ. **Circulation** 1985 Nov;72(5 Pt 2):IV134–8

Positron-emission tomography: assessment of myocardial blood flow and metabolism. Schelbert HR. **Circulation** 1985 Nov;72(5 Pt 2):IV122–33 (35 ref.)

Animal preparations relevant for study with positron-emission tomography or nuclear magnetic resonance. Scheuer J. **Circulation** 1985 Nov;72(5 Pt 2):IV139–44 (43 ref.)

Current and future directions for clinical investigation of the heart with positron-emission tomography. Selwyn AP, et al. **Circulation** 1985 Nov;72(5 Pt 2):IV31–8

Positron tomography and myocardial metabolism: an overview. Sobel BE. **Circulation** 1985 Nov;72(5 Pt 2):IV22–30 (72 ref.)

Musings on PET and SPECT. Strauss HW, et al. **Circulation** 1986 Apr;73(4):611–4

Improved evaluation of pulmonary disease with gallium-67 emission tomography. O'Donnell JK, et al. **Cleve Clin Q** 1985 Winter;52(4):525–31

Use of positron emission tomography scanning in cerebral ischemia. Thomas DG, et al. **Clin Neurosurg** 1985;32:51–69 (43 ref.)

SPECT gallium imaging in abdominal lymphoma. Adcock KA, et al. **Clin Nucl Med** 1986 May;11(5):346–9

SPECT in gallium imaging in a patient with metastatic melanoma. Edeburn GF, et al. **Clin Nucl Med** 1986 Jul; 11(7):528–9

Appearance of breast attenuation artifacts with thallium myocardial SPECT imaging. Garver PR, et al. **Clin Nucl Med** 1985 Oct;10(10):694–6

Focal nodular hyperplasia of the liver. Scintigraphic demonstration with technetium-99m sulfur colloid emission computed tomography. Parker LA, et al. **Clin Nucl Med** 1985 Aug;10(8):601

Extramedullary hematopoiesis. Demonstration by transmission and emission computed tomography. Parker LA, et al. **Clin Nucl Med** 1986 Jan;11(1):1–3

Prominent confluence of the straight and transverse sinuses. A potential pitfall in the interpretation of tomographic brain scans. Telepak RJ, et al. **Clin Nucl Med** 1986 May; 11(5):366–7

Radionuclide scintigraphy of femoral head specimens removed at arthroplasty for failed femoral neck fractures. Alberts KA, et al. **Clin Orthop** 1986 Apr;(205):222–9

Evaluation of right subphrenic fluid collections with emission

computed tomography: an experimental study. Johnson S, et al. **Comput Radiol** 1985 Sep–Oct;9(5):319–23
Single photon emission computed tomography. Piez CW Jr, et al. **Comput Radiol** 1985 Jul–Aug;9(4):201–11
Cardiopulmonary diagnoses by nuclear medicine techniques—where we have been, where we are, where we are going. Loken MK, et al. **CRC Crit Rev Diagn Imaging** 1985;25(1):1–22 (64 ref.)
Positron emission tomography. Lammertsma AA, et al. **Crit Rev Biomed Eng** 1985;13(2):125–69 (271 ref.)
Absorbed fractions for dose calculations of neuroreceptor PET studies. Bice AN, et al. **Eur J Nucl Med** 1985; 11(4):127–31
A new approach toward a pancreas-seeking zinc radiopharmaceutical. II. 62Zn–EDDA (ethylenediamine-N,N'-diacetic acid) for pancreas PCT imaging. Fujibayashi Y, et al. **Eur J Nucl Med** 1986; 11(12):488–93
Use of 11C–triphenylmethylphosphonium for the evaluation of membrane potential in the heart by positron–emission tomography. Fukuda H, et al. **Eur J Nucl Med** 1986; 11(12):478–83
Brain ischemia and infarction positively visualized by pyruvate–1–11C using positron–emission tomography. Hara T, et al. **Eur J Nucl Med** 1986;12(1):21–6
Specific considerations in the interpretation of single–photon–emission computed tomography of the normal liver. Jacobsson H, et al. **Eur J Nucl Med** 1985; 11(8):309–15
The measurement of radiation doses from P32 chromic phosphate therapy of the peritoneum using SPECT. Ott RJ, et al. **Eur J Nucl Med** 1985;11(8):305–8
A comparison of the sensitivity of PET and NMR for in vivo quantitative metabolic imaging. Paans AM, et al. **Eur J Nucl Med** 1985;11(2–3):73–5
Tomographic renal cortical scintigraphy: correlation with intravenous urography, computed tomography, ultrasonography, angiography, and nuclear magnetic resonance imaging. Schultz DA, et al. **Eur J Nucl Med** 1985;11(6–7):217–20
In vivo determination of the kinetic parameters of glucose transport in the human brain using 11C–methyl–D–glucose (CMG) and dynamic positron emission tomography (dPET). Vyska K, et al. **Eur J Nucl Med** 1985;11(4):97–106
Diagnosis of temporal lobe epilepsy by positron emission tomography. Shimizu H, et al. **Folia Psychiatr Neurol Jpn** 1985;39(3):251–6
Alzheimer's disease: new imaging techniques show diagnostic promise. Zoler ML. **Geriatrics** 1986 Apr;41(4):91–2, 94
Current concepts of metabolic functional imaging with positron emitters. Keyes JW Jr. **Henry Ford Hosp Med J** 1985;33(2–3):138–41
Potential of NMR and PET for determining tumor metabolism. Miraldi F. **Int J Radiat Oncol Biol Phys** 1986 Jul;12(7):1033–9 (31 ref.)
Single photon emission computed tomography (SPECT). Principles and instrumentation. Jaszczak RJ, et al. **Invest Radiol** 1985 Dec;20(9):897–910 (74 ref.)
Chronic ear discharge in an elderly diabetic man [clinical conference] Piwnica–Worms D, et al. **Invest Radiol** 1986 Jul;21(7):584–8
Effect of respiratory motion on pulmonary activity determinations by positron tomography in dogs. Susskind H, et al. **Invest Radiol** 1985 Dec;20(9):950–5
Frontal cortex and basal ganglia metabolic rates assessed by positron emission tomography with [18F]2–deoxyglucose in affective illness. Buchsbaum MS, et al. **J Affective Disord** 1986 Mar–Apr;10(2):137–52
Noninvasive assessment of coronary stenoses by myocardial perfusion imaging during pharmacologic coronary vasodilation. VIII. Clinical feasibility of positron cardiac imaging without a cyclotron using generator–produced rubidium–82. Gould KL, et al. **J Am Coll Cardiol** 1986 Apr;7(4):775–89
Positron tomography and coronary flow reserve: toward a more sophisticated a more sophisticated understanding of coronary artery disease [editorial] Wasserman AG. **J Am Coll Cardiol** 1986 Apr;7(4):790–2
Quantitative measurement of regional pulmonary blood flow with positron emission tomography. Mintun MA, et al. **J Appl Physiol** 1986 Jan;60(1):317–26
Regional lung water measured with positron emission tomography [letter] Wollmer P. **J Appl Physiol** 1986 Jul; 61(1):378–9
Loss of striatal [76Br]bromospiperone binding sites demonstrated by positron tomography in progressive supranuclear palsy. Baron JC, et al. **J Cereb Blood Flow Metab** 1986 Apr;6(2):131–6
Glucose transport across the blood–brain barrier in normal human subjects and patients with cerebral tumours studied using [11C]3–O–methyl–D–glucose and positron emission tomography. Brooks DJ, et al. **J Cereb Blood Flow Metab** 1986 Apr;6(2):230–9
Regional cerebral glucose transport in insulin–dependent diabetic patients studied using [11C]3–O–methyl–D–glucose and positron emission tomography. Brooks DJ, et al. **J Cereb Blood Flow Metab** 1986 Apr;6(2):240–4
Normal distribution of regional cerebral blood flow measured by dynamic single–photon emission tomography. Devous MD Sr, et al. **J Cereb Blood Flow Metab** 1986 Feb; 6(1):95–104
Effects of temporal sampling, glucose metabolic rates, and disruptions of the blood–brain barrier on the FDG model with and without a vascular compartment: studies in human brain tumors with PET. Hawkins RA, et al. **J Cereb Blood Flow Metab** 1986 Apr;6(2):170–83
Correction of positron emission tomography data for cerebral atrophy. Herscovitch P, et al. **J Cereb Blood Flow Metab** 1986 Feb;6(1):120–4
Model dependency and estimation reliability in measurement of cerebral oxygen utilization rate with oxygen–15 and dynamic positron emission tomography. Huang SC, et al. **J Cereb Blood Flow Metab** 1986 Feb;6(1):105–19
Invasiveness in studies of brain function by positron emission tomography (PET). Lockwood AH. **J Cereb Blood Flow Metab** 1985 Dec;5(4):487–9
Strategies for in vivo measurement of receptor binding using positron emission tomography. Perlmutter JS, et al. **J Cereb Blood Flow Metab** 1986 Apr;6(2):154–69
Tomographic mapping of kinetic rate constants in the fluorodeoxyglucose model using dynamic positron emission tomography. Sasaki H, et al. **J Cereb Blood Flow Metab** 1986 Aug;6(4):447–54
Tomographic imaging of the human thyroid using 124I. Frey P, et al. **J Clin Endocrinol Metab** 1986 Oct;63(4):918–27
Pituitary adenoma with seizures: PET demonstration of reduced glucose utilization in the medial temporal lobe. Bairamian D, et al. **J Comput Assist Tomogr** 1986 May–Jun; 10(3):529–32
MR imaging and positron emission tomography of cortical heterotopia. Bairamian D, et al. **J Comput Assist Tomogr** 1985 Nov–Dec;9(6):1137–9
SPECT study of regional cerebral blood flow in Alzheimer disease. Bonte FJ, et al. **J Comput Assist Tomogr** 1986 Jul–Aug;10(4):579–83
Effect of changes in inflation and blood volume on regional lung density—a PET study: 2. Schuster DP, et al. **J Comput Assist Tomogr** 1986 Sep–Oct;10(5):730–5
PET measurement of regional lung density: 1. Schuster DP, et al. **J Comput Assist Tomogr** 1986 Sep–Oct;10(5):723–9
Axial computed tomographic anatomy of the foot: Part III. Forefoot. Sartoris DJ, et al. **J Foot Surg** 1986 Jan–Feb; 25(1):19–38
Emission computed tomography. Ott RJ. **J Med Eng Technol** 1986 May–Jun;10(3):105–14
Positron emission tomography with [18F]fluorodeoxyglucose differentiates normal pressure hydrocephalus from Alzheimer–type dementia. Jagust WJ, et al. **J Neurol Neurosurg Psychiatry** 1985 Nov;48(11):1091–6
Brain tumor protein synthesis and histological grades: a study by positron emission tomography (PET) with C11–L–Methionine. Bustany P, et al. **J Neurooncol** 1986; 3(4):397–404
Computerized tomography, magnetic resonance imaging, and positron emission tomography in the study of brain trauma. Preliminary observations. Langfitt TW, et al. **J Neurosurg** 1986 May;64(5):760–7
Effects of rapid mannitol infusion on cerebral blood volume. A positron emission tomographic study in dogs and man. Ravussin P, et al. **J Neurosurg** 1986 Jan;64(1):104–13
Preparation of oxygen–15 butanol for positron tomography. Berridge MS, et al. **J Nucl Med** 1986 Jun;27(6):834–7
Application of robotics to radiopharmaceutical preparation: controlled synthesis of fluorine–18 16 alpha–fluoroestradiol–17 beta. Brodack JW, et al. **J Nucl Med** 1986 May;27(5):714–21
Diagnosis of Alzheimer's disease and multiple infarct dementia by tomographic imaging of iodine–123 IMP. Cohen MB, et al. **J Nucl Med** 1986 Jun;27(6):769–74
Dynamic SPECT of the brain using a lipophilic technetium–99m complex, PnAO. Holm S, et al. **J Nucl Med** 1985 Oct;26(10):1129–34
Perfusion and receptor SPECT in the dementias—George Taplin memorial lecture. Holman BL. **J Nucl Med** 1986 Jun;27(6):855–60 (32 ref.)
Imaging of cerebral blood flow–to–volume distribution using SPECT. Knapp WH, et al. **J Nucl Med** 1986 Apr; 27(4):465–70
Diagnosis of diffuse hepatocellular diseases using SPECT. Kodama T, et al. **J Nucl Med** 1986 May;27(5):616–9
Iodine–122–labeled amphetamine derivative with potential for PET brain blood–flow studies. Mathis CA, et al. **J Nucl Med** 1985 Nov;26(11):1295–301
PET: the new focus of nuclear medicine? [letter] Powers WJ, et al. **J Nucl Med** 1985 Dec;26(12):1499–501
Wedge–shaped scintillation crystals for positron emission tomography. Schmitt D, et al. **J Nucl Med** 1986 Jan; 27(1):99–104
Quantitative evaluation of regional pulmonary ventilation using PET and nitrogen–13 gas. Senda M, et al. **J Nucl Med** 1986 Feb;27(2):268–73
PET, SPECT, and NMRI: competing or complementary disciplines? Ter–Pogossian MM. **J Nucl Med** 1985 Dec; 26(12):1487–98
Gallium–68 lipophilic complexes for labeling platelets. Yano Y, et al. **J Nucl Med** 1985 Dec;26(12):1429–37
Monte Carlo simulation and experimental tests on BGO, CsF and NaI(Tl) crystals for positron emission tomography. Bottigli U, et al. **J Nucl Med Allied Sci** 1985 Jul–Sep; 29(3):221–7
HM–PAO: a new technetium–99m labelled agent for brain SPECT. Costa DC, et al. **J Nucl Med Allied Sci** 1985 Oct–Dec;29(4):337–8
Detection of small size hepatic hemangioma with SPECT. Case report. Mana O, et al. **J Nucl Med Allied Sci** 1985 Oct–Dec;29(4):339–42
Evaluation of tibiofibular motion under load conditions by computed tomography. Jend HH, et al. **J Orthop Res** 1985; 3(4):418–23
Positron emission tomography in experimental perinatology. Lindberg BS, et al. **J Perinat Med** 1985;13(6):277–86
Cerebral blood flow measured by xenon–enhanced computed tomography as a guide to management of patients with cerebrovascular disease. Webster MW, et al. **J Vasc Surg** 1986 Feb;3(2):298–304
Muscarinic acetylcholine receptors in Alzheimer's disease. In vivo imaging with iodine 123–labeled 3–quinuclidinyl–4–iodobenzilate and emission tomography. Holman BL, et al. **JAMA** 1985 Dec 6;254(21):3063–6
Radiolabeled ligands expand PET exploration of numerous normal, abnormal brain functions [news] Riesenberg D. **JAMA** 1986 Aug 22–29;256(8):969–70
The Mikamo lecture. Probing the heart's biochemistry with positron emission tomography. Schelbert HR. **Jpn Circ J** 1986 Jan;50(1):1–29
Noninvasive evaluation of regional myocardial perfusion with positron emission computed tomography. Torizuka K, et al. **Jpn Circ J** 1985 Jul;49(7):719–26
99mTc–labelled hexamethylpropyleneamine oxime photon emission scans in epilepsy [letter] Biersack HJ, et al. **Lancet** 1985 Dec 21–28;2(8469–70):1436–7
Distribution of 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine in experimental animals studied by positron emission tomography and whole body autoradiography. Hartvig P, et al. **Life Sci** 1986 Jan 6;38(1):89–97
Functional studies in brain and heart with positron emission tomography. Wieler H, et al. **Med Prog Technol** 1986; 11(2):73–106 (166 ref.)
Studies on regional cerebral haematocrit and blood flow in patients with cerebral tumours using positron emission tomography. Brooks DJ, et al. **Microvasc Res** 1986 May; 31(3):267–76
Tomographic assessment of regional brain perfusion in cerebrovascular disease. Fazio F, et al. **Monogr Atheroscler** 1986;14:66–70
Cerebral blood flow tomography by single photon emission computerized tomography using 133Xe in cerebrovascular disease. Lassen NA, et al. **Monogr Atheroscler** 1986; 14:71–82
Reversibility of cardiac wall–motion abnormalities predicted by positron tomography. Tillisch J, et al. **N Engl J Med** 1986 Apr 3;314(14):884–8
Positron–emission tomography: a new approach to feto–maternal pharmacokinetics. Lindberg BS, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1985;60:88–97
Positron emission tomography. Progress in brain imaging [news] Raichle ME. **Nature** 1985 Oct 17–23; 317(6038):574–6
Brain metabolism as measured with positron emission tomography: serial assessment in a patient with familial Alzheimer's disease. Cutler NR, et al. **Neurology** 1985 Nov; 35(11):1556–61
Positron emission tomography in Alzheimer's disease. Duara R, et al. **Neurology** 1986 Jul;36(7):879–87
Positron emission tomography in the early diagnosis of Huntington's disease. Hayden MR, et al. **Neurology** 1986 Jul;36(7):888–94
Comparison of glucose metabolism, x–ray CT, and postmortem data in a patient with multiple cerebral infarcts. Metter EJ, et al. **Neurology** 1985 Dec;35(12):1695–701
PET studies of cerebral glucose metabolism in idiopathic torticollis. Stoessl AJ, et al. **Neurology** 1986 May; 36(5):653–7
Neuroimaging in refractory partial seizures: comparison of PET, CT, and MRI. Theodore WH, et al. **Neurology** 1986 Jun;36(6):750–9
Positron emission tomography in neuropsychology. Heiss WD, et al. **Neuropsychologia** 1986;24(1):141–9
Positron tomography in cerebral ischemia. A review. Baron JC. **Neuroradiology** 1985;27(6):509–16
Radionuclide cisternography and computed tomography in 30 healthy volunteers. Bergstrand G, et al. **Neuroradiology** 1986;28(2):154–60
Presentation of bilateral thalamic infarction on CT, MRI and PET. Bewermeyer H, et al. **Neuroradiology** 1985; 27(5):414–9
(68Ga)–EDTA positron emission tomography in the diagnosis of brain tumors. Ilsen HW, et al. **Neuroradiology** 1984;26(5):393–8
Regional cerebral pharmacokinetics of the dopaminergic neurotoxin 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine as examined by positron emission tomography in a baboon is altered by transylcypromine. Moerlein SM, et al. **Neurosci Lett** 1986 May 15;66(2):205–9
Liver volume and uptake assessment using 123I–BSP tomography. Alstead EM, et al. **Nucl Med Commun** 1985 Nov;6(11):707–15
Emission tomography: its contribution in the detection of subdural haematoma. Batchelor S, et al. **Nucl Med Commun** 1985 Jul;6(7):405–14
Single photon emission computed tomography study of human pulmonary perfusion: preliminary findings. Carratu L, et al. **Nucl Med Commun** 1984 Feb;5(2):91–9
Quantitative SPECT imaging: influence of object size. Clarke

LP, et al. **Nucl Med Commun** 1986 May;7(5):363–72
Effects of centre-of-rotation shift on contrast and spatial resolution of the SPECT system. Saw CB.
Nucl Med Commun 1986 May;7(5):373–9
Kinetics of 13N-ammonia incorporation in human tumours. Schelstraete K, et al. **Nucl Med Commun** 1985 Aug; 6(8):461–70
Single photon emission computed tomography study of human cancer: utilization of 57Co-labelled bleomycin. Sloman D, et al. **Nucl Med Commun** 1985 Dec; 6(12):795–803
Localization of post-infarction myocardial ischemia by 201Tl emission computed tomography. Spielmann RP, et al. **Nuklearmedizin** 1985 Dec;24(5–6):201–5
Positron emission tomography. Jones T. **Practitioner** 1985 Oct;229(1408):907, 909–10, 912
Functional mapping of the human cerebellum with positron emission tomography. Fox PT, et al.
Proc Natl Acad Sci USA 1985 Nov;82(21):7462–6
Positron emission tomography of the heart. Bergmann SR, et al. **Prog Cardiovasc Dis** 1985 Nov–Dec;28(3):165–94
Positron emission tomography. Cohen RM, et al.
Psychiatr Clin North Am 1986 Mar;9(1):63–79 (22 ref.)
18Fluorodeoxyglucose PET in schizophrenia. Jernigan TL, et al. **Psychiatry Res** 1985 Dec;16(4):317–29
Receptor binding of N-(methyl-11C) clozapine in the brain of rhesus monkey studied by positron emission tomography (PET). Hartvig P, et al. **Psychopharmacology (Berlin)** 1986; 89(2):248–52
The pathophysiology of human cerebral ischaemia: a new perspective obtained with positron tomography. Frackowiak RS. **Q J Med** 1985 Nov;57(223):713–27 (43 ref.)
Positron emission tomography in cardiology. Correia JA, et al. **Radiol Clin North Am** 1985 Dec;23(4):783–93
Chronic knee pain assessed by SPECT: comparison with other modalities. Collier BD, et al. **Radiology** 1985 Dec; 157(3):795–802
Evaluation of distance-weighted SPECT reconstruction for skeletal scintigraphy. Hellman RS, et al. **Radiology** 1986 May;159(2):473–5
Small hepatocellular carcinomas in chronic liver disease: detection with SPECT. Kudo M, et al. **Radiology** 1986 Jun;159(3):697–703
Stripe sign in pulmonary perfusion scintigraphy: central pattern of pulmonary emphysema. Work in progress. Murata K, et al. **Radiology** 1986 Aug;160(2):337–40
Ventilation imaging with positron emission tomography and nitrogen 13. Murata K, et al. **Radiology** 1986 Feb; 158(2):303–7
N-(3-Fluoropropyl)-N-normetazocine, a potentially useful opiate antagonist for opiate receptor studies with positron emission tomography (PET). Feliu AL, et al.
Res Commun Chem Pathol Pharmacol 1985 Sep; 49(3):323–36
Quantitative analysis of D2 dopamine receptor binding in the living human brain by PET. Farde L, et al. **Science** 1986 Jan 17;231(4735):258–61
Functional brain studies—Part II. **Semin Nucl Med** 1986 Jan; 16(1):1–84
Positron emission tomography imaging of regional cerebral glucose metabolism. Alavi A, et al. **Semin Nucl Med** 1986 Jan;16(1):2–34 (133 ref.)
Regional cerebral blood flow: estimation by means of nonmetabolized diffusible tracers—an overview. Kety SS. **Semin Nucl Med** 1985 Oct;15(4):324–8
Clinical brain imaging with isopropyl-iodoamphetamine and SPECT. Royal HD, et al. **Semin Nucl Med** 1985 Oct; 15(4):357–76 (109 ref.)
Radioactive oxygen-15 in the study of cerebral blood flow, blood volume, and oxygen metabolism. Ter-Pogossian MM, et al. **Semin Nucl Med** 1985 Oct;15(4):377–94 (110 ref.)
The role of positron emission tomography in the study of cerebral tumors. Brooks DJ, et al. **Semin Oncol** 1986 Mar; 13(1):83–93 (62 ref.)
Measurement of absolute bone blood flow by positron emission tomography. Nahmias C, et al. **Skeletal Radiol** 1986;15(3):198–200
Measurement of regional cerebral blood flow, blood volume and oxygen metabolism in patients with sickle cell disease using positron emission tomography. Herold S, et al.
Stroke 1986 Jul–Aug;17(4):692–8
Cardiac positron emission tomography. Geltman EM.
West J Med 1985 Dec;143(6):764–72
[Analysis of the 1st results of single-photon emission tomography in the detection of focal lesions in Hodgkin's disease and in liver tumors] Pradáčová J, et al.
Cas Lek Cesk 1986 May 30;125(22):691–4 (Eng. Abstr.) (Cze)
[Imaging technic in the diagnosis and treatment of occult infections] Taavitsainen M, et al. **Duodecim** 1986; 102(11):760–9 (Fin)
[Cardiac radioisotopic tomography] Itti R.
Ann Cardiol Angeiol (Paris) 1985 Oct;34(8):561–6 (Eng. Abstr.) (Fre)
[Measurement of local cerebral blood flow with gamma emission tomography: normal values and quantified criteria for interpretation] Steinling M, et al. **Ann Radiol (Paris)** 1986;29(1):7–12 (Eng. Abstr.) (Fre)
[Cardiac radionuclide tomography with gamma emitters] Amor M, et al. **Presse Med** 1986 Mar 29;15(13):611–6 (Eng. Abstr.) (Fre)
[Emission tomography: its impact on the study of metabolism and on specific cerebral receptors in man] Kellershohn C. **Rev Med Brux** 1986 Jun;7(6):347–56 (Eng. Abstr.) (Fre)
[Cerebral emission computer tomography with 123I-isopropylamphetamine in aphasic patients] Fröscher-Huerkamp M, et al. **Nervenarzt** 1986 May; 57(5):281–6 (Ger)
[Results of SPECT thallium-201 of the myocardium in the diagnosis of coronary disease and the follow-up of percutaneous transluminal coronary angioplasty] Büll U, et al. **Nuklearmedizin** 1986 Apr;25(2):71–7 (Eng. Abstr.) (Ger)
[Semiquantitative display of regional cerebral blood flow and neuronal function using N-isopropyl-(123I)-p-iodoamphetamine (IMP) and emission tomography] Meili A, et al. **Nuklearmedizin** 1985 Aug;24(4):153–8 (Eng. Abstr.) (Ger)
[Immunoscintigraphy and SPECT in patients with pancreatic cancer] Montz R, et al. **Nuklearmedizin** 1985 Dec; 24(5–6):232–7 (Eng. Abstr.) (Ger)
[Diagnosis of brain tumors with positron irradiation in comparison with other methods of cerebral isotope diagnosis] Wilcke O.
Psychiatr Neurol Med Psychol Beih 1969;10–11:72–9 (Ger)
[Single photon emission computed tomography of patients with benign and malignant spinal diseases] Bieler EU, et al. **ROFO** 1986 Aug;145(2):182–8 (Eng. Abstr.) (Ger)
[Clinical importance of emission-computed tomography of the skull in bone scintigraphy] König H, et al. **ROFO** 1985 Oct;143(4):392–8 (Eng. Abstr.) (Ger)
[MR of ischemic brain diseases. A comparison with CT, PET (18-fluorodeoxyglucose) and angiographic results] Steinbrich W, et al. **ROFO** 1986 Aug;145(2):173–81 (Eng. Abstr.) (Ger)
[Optimization of conditions for detecting density variations in focal activity in SPECT using the rotating gamma camera. Model calculations, phantom measurements and clinical applications] Wust P, et al. **ROFO** 1986 Jun; 144(6):695–707 (Eng. Abstr.) (Ger)
[Detection, quantification and localization of myocardial infarcts: comparison of thallium single photon emission computer tomography with biplane angiography] Hoffmeister HM, et al. **Z Kardiol** 1985 Nov;74(11):625–32 (Eng. Abstr.) (Ger)
[A diagnostic information management system for the evaluation of medical images] Higa T, et al.
Iyodenshi To Seitai Kogaku 1985 Apr;23(2):87–92 (Eng. Abstr.) (Jpn)
[Quantitative analysis of exercise 201Tl myocardial emission CT in patients with coronary artery disease] Okada M, et al. **J Cardiogr** 1984 Dec;14(4):635–43 (Eng. Abstr.) (Jpn)
[Tl-201 single-photon emission computed tomography for clinical assessment of dilated cardiomyopathy] Omori Y, et al. **J Cardiogr** 1984 Dec;14(4):707–18 (Eng. Abstr.) (Jpn)
[Myocardial positron computed tomography using N-13 ammonia for evaluating coronary artery disease: comparison with thallium-201 emission computed tomography] Tamaki N, et al. **J Cardiogr** 1985 Sep; 15(3):553–65 (Eng. Abstr.) (Jpn)
[Evaluation of myocardial viability in myocardial infarction by thallium-201 emission computed tomography] Tamaki N, et al. **J Cardiogr** 1985 Mar;15(1):1–11 (Eng. Abstr.) (Jpn)
[Positron computed tomography for myocardial uptake of N-13 ammonia in patients with hypertrophic cardiomyopathy: a preliminary study] Yoshida K, et al. **J Cardiogr** 1985 Jun;15(2):377–85 (Eng. Abstr.) (Jpn)
[Quantification of the right ventricular wall using stress myocardial emission computed tomography with thallium-201 in normal subjects] Akanabe H, et al.
Kaku Igaku 1985 Dec;22(12):1775–80 (Eng. Abstr.) (Jpn)
[Clinical evaluation of cerebral perfusion imaging with 123I-IMP in the patients with cerebrovascular disease—a comparison with 133Xe and X-CT] Hoshi H, et al.
Kaku Igaku 1985 Oct;22(10):1485–93 (Eng. Abstr.) (Jpn)
[Effects of non-uniform attenuators on cardiac single photon emission computerized tomography—simulation experiments] Hosoba M, et al. **Kaku Igaku** 1986 May; 23(5):481–8 (Eng. Abstr.) (Jpn)
[Splenic contraction in patients with various disorders] Iio A, et al. **Kaku Igaku** 1986 Mar;23(3):259–66 (Eng. Abstr.) (Jpn)
[Quantitative evaluation of coronary artery disease by 201Tl myocardial emission computed tomography—evaluation by circumferential profile analysis of regional distribution and washout rate] Iio T, et al. **Kaku Igaku** 1986 Jan;23(1):43–53 (Eng. Abstr.) (Jpn)
[Clinical experience with N-isopropyl-p-[123I] iodoamphetamine in cerebrovascular disease] Itoh K, et al. **Kaku Igaku** 1985 Nov;22(11):1727–34 (Jpn)
[Evaluation of cardiomyopathy in Duchenne muscular dystrophy by Tl-201 myocardial SPECT] Jinnouchi S, et al. **Kaku Igaku** 1985 Sep;22(9):1353–9 (Eng. Abstr.) (Jpn)
[Endoscopic lymphoscintigraphy with SPECT] Kohno Y, et al. **Kaku Igaku** 1986 Jan;23(1):55–8 (Eng. Abstr.) (Jpn)
[Comparative study of tumor diagnosis using 11C- and 13N-labeled amino acids] Kubota K, et al. **Kaku Igaku** 1985 Jul;22(7):981–7 (Eng. Abstr.) (Jpn)
[Regional cerebral blood flow abnormalities detected with N-isopropyl-I-123-p-iodoamphetamine in patients with cerebral infarction] Kurosaki A, et al. **Kaku Igaku** 1985 Oct;22(10):1505–13 (Eng. Abstr.) (Jpn)
[Crossed cerebellar diaschisis in cerebrovascular disease detected by N-isopropyl I-123 p-iodoamphetamine (I-123 IMP) with SPECT] Momose T, et al. **Kaku Igaku** 1986 Jan;23(1):25–34 (Eng. Abstr.) (Jpn)
[Cardiac functional mapping for thallium-201 myocardial perfusion, washout, wall motion and phase using single-photon emission computed tomography (SPECT)] Nakajima K, et al. **Kaku Igaku** 1986 Mar;23(3):251–8 (Eng. Abstr.) (Jpn)
[Significance of Ga-67 single photon emission computed tomography in diffuse pulmonary diseases] Odano I, et al.
Kaku Igaku 1986 Apr;23(4):359–65 (Eng. Abstr.) (Jpn)
[A method of obtaining accurate correlations between the positron emission tomogram and the X-ray computed tomogram] Ogawa T, et al. **Kaku Igaku** 1985 Jun; 22(6):907–11 (Eng. Abstr.) (Jpn)
[Evaluation of the regurgitant fraction of left-sided valvular regurgitation by gated cardiac blood pool scan using SPECT] Ohtake T, et al. **Kaku Igaku** 1985 Jun;22(6):885–94 (Eng. Abstr.) (Jpn)
[Measurement of the regional wash out rate in stress thallium-201 myocardial scintigraphy using single photon emission computed tomography—especially in the ischemic segment from coronary spasm and the myocardial infarction segment] Ohtake T, et al. **Kaku Igaku** 1985 Jun; 22(6):873–83 (Eng. Abstr.) (Jpn)
[Leg muscle perfusion study using T1-201 single photon emission computed tomography (SPECT)] Oshima M, et al. **Kaku Igaku** 1986 Feb;23(2):153–9 (Eng. Abstr.) (Jpn)
[A study of the benzodiazepine receptor in the human brain using 11C-Ro 15-1788 and positron emission tomography] Shinotoh H, et al. **Kaku Igaku** 1985 Dec;22(12):1789–97 (Eng. Abstr.) (Jpn)
[Cerebral circulation and metabolism in cerebral infarction of the middle cerebral artery territory—a positron CT study with HEADTOME III and 15O labeled gases] Shishido F, et al. **Kaku Igaku** 1986 Feb;23(2):123–34 (Eng. Abstr.) (Jpn)
[Basic evaluation of right and left ventricular volume using single-photon emission computed tomography] Taki J, et al. **Kaku Igaku** 1985 Oct;22(10):1539–44 (Eng. Abstr.) (Jpn)
[Clinical evaluation of N-isopropyl-p-I-123-iodoamphetamine in cerebrovascular disorders—comparison study with X-ray CT and positron CT] Wada M, et al. **Kaku Igaku** 1985 Oct;22(10):1477–83 (Eng. Abstr.) (Jpn)
[Evaluation of the wall motion abnormality using ECG-gated cardiac pool emission CT in patients of myocardial infarction] Watanabe T, et al. **Kaku Igaku** 1985 Sep; 22(9):1317–26 (Eng. Abstr.) (Jpn)
[Quantitative representation of stress 201Tl myocardial single photon emission computed tomography] Yamamoto S, et al. **Kaku Igaku** 1986 Feb;23(2):181–6 (Jpn)
[Investigation of 67Ga myocardial SPECT images in patients with dilated cardiomyopathy] Yokoyama A, et al.
Kaku Igaku 1986 Apr;23(4):345–50 (Eng. Abstr.) (Jpn)
[Measurement of regional myocardial blood flow with 13N-ammonia and fast dynamic positron CT in patients with hypertrophic cardiomyopathy] Yoshida K, et al.
Kaku Igaku 1986 Apr;23(4):403–7 (Eng. Abstr.) (Jpn)
[Usefulness of the fast dynamic study in cardiac positron CT] Yoshida K, et al. **Kaku Igaku** 1985 Jun;22(6):861–6 (Eng. Abstr.) (Jpn)
[Single photon emission computed tomography in the diagnosis of skull base invasion by nasopharyngeal carcinoma] Yui N, et al. **Kaku Igaku** 1986 Apr;23(4):367–73 (Eng. Abstr.) (Jpn)
[Evaluation of regional wall motion and myocardial blood flow by two dimensional echocardiography and SPECT] Maeda T, et al. **Kokyu To Junkan** 1985 Oct;33(10):1251–5 (Eng. Abstr.) (Jpn)
[Clinical availability of the cardiac functional imaging by Fourier phase analysis using gated blood-pool emission computed tomography] Nakata T, et al.
Kokyu To Junkan 1985 Oct;33(10):1265–70 (Eng. Abstr.) (Jpn)
[18F-FDG positron emission tomography in orbital lymphoid tumor] Kiyosawa M, et al.
Nippon Ganka Gakkai Zasshi 1985 Dec;89(12):1329–33 (Eng. Abstr.) (Jpn)
[Cerebral perfusion studies with N-isopropyl-p-(125I) iodo-amphetamine and SPECT in cerebrovascular disorders] Kawamura M, et al.
Nippon Igaku Hoshasen Gakkai Zasshi 1986 Jan 25; 46(1):38–48 (Eng. Abstr.) (Jpn)
[Pathogenesis of negative washout rate in stress thallium emission computed tomography of coronary artery disease—correlation with cine coronary angiographic findings] Koga Y, et al.
Nippon Igaku Hoshasen Gakkai Zasshi 1986 Jan 25; 46(1):49–56 (Eng. Abstr.) (Jpn)
[Assessment of regional cerebral blood flow (rCBF) in cerebrovascular disease using SPECT and N-isopropyl-p-[123I] iodoamphetamine (IMP):

comparison with IMP hemispheric uptake count and mean CBF by 133Xe arterial infusion method] Seto H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1985 Aug 25; 45(8):1135–41 (Eng. Abstr.) **(Jpn)**

[The quantitative analysis of 201T1 myocardial emission computed tomography in patients with old myocardial infarctions] Matsushima H, et al. **Nippon Naika Gakkai Zasshi** 1985 Jun;74(6):765–73 **(Jpn)**

[Brain atrophy during aging—a quantitative study with X-ray computerized tomography (X-CT), nuclear magnetic resonance (NMR-CT) and positron emission tomography (PET)] Matsuzawa T. **Nippon Naika Gakkai Zasshi** 1985 Nov;74(11):1587 **(Jpn)**

[Quantitative analysis of exercise thallium-201 emission computerized tomography] Okada M, et al. **Nippon Naika Gakkai Zasshi** 1985 Jul;74(7):909–16 **(Jpn)**

[PET imaging of dementia] Yokoi F, et al. **Nippon Rinsho** 1985 Jul;43(7):1433–7 (14 ref.) **(Jpn)**

[In vivo measurements of regional cerebral hemocirculation and metabolism in gliomas using 15O and 18F-fluorodeoxyglucose positron emission tomography] Mineura K, et al. **No To Shinkei** 1986 Apr;38(4):337–44 (Eng. Abstr.) **(Jpn)**

[Regional cerebral blood flow in cerebrovascular disease studied using N-isopropyl-p-(123I) iodoamphetamine] Matsumura K, et al. **Radioisotopes** 1985 Jul;34(7):364–70 (Eng. Abstr.) **(Jpn)**

[SOL-detectability of liver SPECT—analysis by SOL detection model] Matumoto T, et al. **Radioisotopes** 1985 Aug;34(8):414–20 (Eng. Abstr.) **(Jpn)**

[SOL-detectability of liver SPECT—analysis of the structure of ROC-curve] Matumoto T, et al. **Radioisotopes** 1985 Sep; 34(9):486–92 (Eng. Abstr.) **(Jpn)**

[Estimation of 99mTc-dimercaptosuccinic acid renal uptake using single photon emission computed tomography] Ohishi Y, et al. **Radioisotopes** 1986 Mar;35(3):115–21 (Eng. Abstr.) **(Jpn)**

[Performance of gamma camera collimators used for single photon emission computed tomography imaging with 123I-isopropyl iodoamphetamine] Saegusa K, et al. **Radioisotopes** 1986 May;35(5):256–62 (Eng. Abstr.) **(Jpn)**

[Diagnostic imaging by radioisotopes. Application. (IX). Radionuclide imaging of the heart] Toyama H. **Radioisotopes** 1985 Jun;34(6):348–57 **(Jpn)**

[Study of cerebral blood flow, positron emission tomography and nuclear magnetic resonance—advances in the diagnosis of cerebrovascular disorders with psychiatric symptoms] Jarema M. **Psychiatr Pol** 1985 Jul-Aug;19(4):321–4 **(Pol)**

[Diagnostic importance of dynamic computerized esophageal scintigraphy] Aliev MA, et al. **Med Radiol (Mosk)** 1986 Mar;31(3):3–6 (Eng. Abstr.) **(Rus)**

[Computerized emission tomography in the diagnosis of brain tumors] Gabuniia RI, et al. **Med Radiol (Mosk)** 1986 Jul; 31(7):32–5 (Eng. Abstr.) **(Rus)**

[Single-photon emission computerized tomography in the diagnosis of liver diseases] Sergienko VB, et al. **Ter Arkh** 1986;58(3):73–6 (Eng. Abstr.) **(Rus)**

[CT false negatives in supratentorial malignant astrocytomas] Alfaro A, et al. **Rev Clin Esp** 1986 May;178(9):440–3 (Eng. Abstr.) **(Spa)**

ECONOMICS

SPECT imaging: a question of ethics and economics [letter] Mullani NA. **J Nucl Med** 1986 Jan;27(1):145

INSTRUMENTATION

Tomographic imaging of the human thyroid with a positron camera before and after partial thyroidectomy. Frey P, et al. **Eur Surg Res** 1985;17(6):347–51

A BGO detector unit for a stationary high resolution positron emission tomograph. Yamamoto S, et al. **J Comput Assist Tomogr** 1986 Sep-Oct;10(5):851–5

Comparison of low- and medium-energy collimators for SPECT imaging with iodine-123-labeled antibodies. Macey DJ, et al. **J Nucl Med** 1986 Sep;27(9):1467–74

A positron camera using position-sensitive detectors: PENN-PET. Muehllehner G, et al. **J Nucl Med** 1986 Jan; 27(1):90–8

A rotating double-headed positron camera. Paans AM, et al. **J Nucl Med** 1985 Dec;26(12):1466–71

I-123 HIPDM brain imaging with a rotating gamma camera and slant-hole collimator. Polak JF, et al. **J Nucl Med** 1984 Apr;25(4):495–8

Design and clinical utility of a fan beam collimator for SPECT imaging of the head. Tsui BM, et al. **J Nucl Med** 1986 Jun;27(6):810–9

Variation of the count-dependent Metz filter with imaging system modulation transfer function. King MA, et al. **Med Phys** 1986 Mar-Apr;13(2):139–49

The Aberdeen Mark II single-photon-emission tomographic scanner: specification and some clinical applications. Evans NT, et al. **Phys Med Biol** 1986 Jan;31(1):65–78

Inversion of the 3D Radon transform for a multidetector, point-focused SPECT brain scanner. Moore SC, et al. **Phys Med Biol** 1986 Mar;31(3):207–21

Dependence of the coincidence aperture function of narrow BGO crystals on crystal shape and light encoding schemes. Thompson CJ, et al. **Phys Med Biol** 1986 May; 31(5):491–506

[Quality control to maintain quantitativity and stability of positron emission tomographic study] Shoji Y, et al. **Kaku Igaku** 1985 Oct;22(10):1515–9 (Eng. Abstr.) **(Jpn)**

[Daily and weekly fluctuation of sensitivity in clinical PET system] Toyoshima H, et al. **Kaku Igaku** 1985 Dec; 22(12):1829–33 **(Jpn)**

[Equipment for emission computed gamma-tomography] El'kind Elu. **Med Radiol (Mosk)** 1985 Dec;30(12):75–84 (39 ref.) **(Rus)**

[Experimental multi-detector computer gamma-tomograph for examining the brain] El'kind Elu, et al. **Med Tekh** 1986 May-Jun;(3):26–32 (Eng. Abstr.) **(Rus)**

METHODS

New technique for showing the relation of tomographic myocardial perfusion images obtained with thallium-201 to the coronary arteries. Gibson CJ, et al. **Br Heart J** 1985 Oct;54(4):367–74

Gated thallium tomography—potential for improved accuracy in the detection of coronary artery disease. Handler CE, et al. **Br J Radiol** 1985 Feb;58(686):107–10

3D positron emission tomography: preliminary results. Ott RJ, et al. **Br J Radiol** 1986 Apr;59(700):419–22

High resolution SPECT using divergent geometry. Webb S, et al. **Br J Radiol** 1985 Apr;58(688):331–4

Positron emission tomography. The technique and its applications to the study of the cardiovascular system. Schelbert HR, et al. **Cardiol Clin** 1983 Aug;1(3):501–20

The complementary role of SPECT in the diagnosis of cavernous hemangioma of the liver. Tumeh SS, et al. **Clin Nucl Med** 1985 Dec;10(12):884–6

The assessment of a SPECT system with reference to aerosol lung imaging. Smye SW, et al. **Clin Phys Physiol Meas** 1986 May;7(2):185–90

Improved quality and information in thyroid scintigraphy. Bähre M, et al. **Eur J Nucl Med** 1985;11(6-7):194–7

Interactive combining of functional images. Goldman KJ, et al. **Eur J Nucl Med** 1985;11(6-7):221–3

Tomographic measurement of cerebral blood flow by the 68Ga-labelled-microsphere and continuous-C15O2-inhalation methods. Steinling M, et al. **Eur J Nucl Med** 1985;11(1):29–32

Myocardial positron computed tomography with 13N-ammonia at rest and during exercise. Tamaki N, et al. **Eur J Nucl Med** 1985;11(6-7):246–51

Single photon emission computed tomography (SPECT). Part II: Clinical applications. Coleman RE, et al. **Invest Radiol** 1986 Jan;21(1):1–11 (75 ref.)

Regional lung hematocrit in humans using positron emission tomography. Brudin LH, et al. **J Appl Physiol** 1986 Apr; 60(4):1155–63

Regional changes in extravascular lung water detected by positron emission tomography. Schuster DP, et al. **J Appl Physiol** 1986 Apr;60(4):1170–8

Regional lung water and hematocrit determined by positron emission tomography. Schuster DP, et al. **J Appl Physiol** 1985 Sep;59(3):860–8

Weighted integration method for local cerebral blood flow measurements with positron emission tomography. Carson RE, et al. **J Cereb Blood Flow Metab** 1986 Apr;6(2):245–58

A technique for the correction of scattered radiation in a PET system using time-of-flight information. Bendriem B, et al. **J Comput Assist Tomogr** 1986 Mar-Apr; 10(2):287–95

Application of SPECT scanning with I-123 HIPDM to forensic medicine. Boyko OB, et al. **J Comput Assist Tomogr** 1986 Sep-Oct;10(5):885–7

A maximum likelihood method for region-of-interest evaluation in emission tomography. Carson RE. **J Comput Assist Tomogr** 1986 Jul-Aug;10(4):654–63

Quantitation in positron emission computed tomography: 7. A technique to reduce noise in accidental coincidence measurements and coincidence efficiency calibration. Casey ME, et al. **J Comput Assist Tomogr** 1986 Sep-Oct; 10(5):845–50

Scatter distribution in transmission measurements with positron emission tomography. Chan B, et al. **J Comput Assist Tomogr** 1986 Mar-Apr;10(2):296–301

Dynamic PET data analysis. Mazoyer BM, et al. **J Comput Assist Tomogr** 1986 Jul-Aug;10(4):645–53

Dopamine receptors in pituitary adenomas: PET visualization with 11C-N-methylspiperone. Muhr C, et al. **J Comput Assist Tomogr** 1986 Mar-Apr;10(2):175–80

Clinical evaluation of 360 degrees and 180 degrees data sampling techniques for transaxial SPECT thallium-201 myocardial perfusion imaging [letter] **J Nucl Med** 1986 Jan; 27(1):146–9

Subtraction of Compton-scattered photons in single-photon emission computerized tomography. Axelsson B, et al. **J Nucl Med** 1984 Apr;25(4):490–4

Dynamic SPECT with Xe-133: regional cerebral blood flow in patients with unilateral cerebrovascular disease: concise communication. Buell U, et al. **J Nucl Med** 1984 Apr; 25(4):441–6

Automated body contour detection in SPECT: effects on quantitative studies. Hosoba M, et al. **J Nucl Med** 1986 Jul;27(7):1184–91

Methodologic factors affecting PET measurements of cerebral glucose metabolism. Jagust WJ, et al. **J Nucl Med** 1986 Aug;27(8):1358–61

Digital restoration of indium-111 and iodine-123 SPECT images with optimized Metz filters. King MA, et al. **J Nucl Med** 1986 Aug;27(8):1327–36

N-[11C-Methyl]chlorphentermine and N,N-[11C-dimethyl]chlorphentermine as brain blood-flow agents for positron emission tomography. Kizuka H, et al. **J Nucl Med** 1986 Apr;27(4):532–7

Effect of errors in reangulation on planar and tomographic thallium-201 washout profile curves. Lancaster JL, et al. **J Nucl Med** 1985 Dec;26(12):1445–55

Precision of dual photon absorptiometry measurements. LeBlanc AD, et al. **J Nucl Med** 1986 Aug;27(8):1362–5

SPECT liver imaging using an iterative attenuation correction algorithm and an external flood source. Malko JA, et al. **J Nucl Med** 1986 May;27(5):701–5

The requirement for constant arterial radioactivity in the C15O2 steady-state blood-flow model. Meyer E, et al. **J Nucl Med** 1984 Apr;25(4):455–60

Monte Carlo evaluation of Compton scatter subtraction in single photon emission computed tomography. Floyd CE, et al. **Med Phys** 1985 Nov-Dec;12(6):776–8

Cone beam collimation for single photon emission computed tomography: analysis, simulation, and image reconstruction using filtered backprojection. Jaszczak RJ, et al. **Med Phys** 1986 Jul-Aug;13(4):484–9

Area weighted convolutional interpolation for data reprojection in single photon emission computed tomography. Schwinger RB, et al. **Med Phys** 1986 May-Jun;13(3):350–3

Measurement of gallbladder volume and dynamics by combined SPECT and planar scintigraphy. Brown PH, et al. **Nucl Med Commun** 1986 Jun;7(6):437–46

A 99Tcm-labelled radiotracer for the investigation of cerebral vascular disease. Ell PJ, et al. **Nucl Med Commun** 1985 Aug;6(8):437–41

Cerebral uptake and retention of 99Tcm-hexamethylpropyleneamine oxime (99Tcm-HM-PAO). Holmes RA, et al. **Nucl Med Commun** 1985 Aug;6(8):443–7

Development of a 99Tcm-labelled radiopharmaceutical for cerebral blood flow imaging. Nowotnik DP, et al. **Nucl Med Commun** 1985 Sep;6(9):499–506

The use of single photon emission computed tomography in lung imaging with aerosols. Smye SW, et al. **Nucl Med Commun** 1985 Jul;6(7):397–404

Quantitative analysis of stress thallium-201 studies: comparison of SPET and planar imaging in the detection of CAD. Ziada G, et al. **Nucl Med Commun** 1986 Jun; 7(6):427–35

Ectomography—a tomographic method for gamma camera imaging. Dale S, et al. **Phys Med Biol** 1985 Nov; 30(11):1237–49

Quantitative CT measurements: the effect of scatter acceptance and filter characteristics on the EMI 7070. Merritt RB, et al. **Phys Med Biol** 1986 Jan;31(1):55–63

Towards automatic analysis of dynamic radionuclide studies using principal-components factor analysis. Nijran KS, et al. **Phys Med Biol** 1985 Dec;30(12):1315–25

Comparison of data-processing techniques for the improvement of contrast in SPECT liver tomograms. Webb S. **Phys Med Biol** 1985 Oct;30(10):1077–86

Thallium-201 radioactive implant induced X-ray emission scanning of stable iodine distribution in thyroid—phantom experiment. Amano R, et al. **Radioisotopes** 1986 May; 35(5):266–9

Distance-weighted backprojection: a SPECT reconstruction technique. Nowak DJ, et al. **Radiology** 1986 May; 159(2):531–6

Improvements in SPECT technology for cerebral imaging. Esser PD. **Semin Nucl Med** 1985 Oct;15(4):335–46 (65 ref.)

Cerebral blood flow tomography with xenon-133. Lassen NA. **Semin Nucl Med** 1985 Oct;15(4):347–56

Positron emission tomography imaging—technical considerations. Muehllehner G, et al. **Semin Nucl Med** 1986 Jan;16(1):35–50 (68 ref.)

[New radioisotope studies of the central nervous system] Léveillé J, et al. **Union Med Can** 1986 Apr;115(4):219–23 (Eng. Abstr.) **(Fre)**

[Simultaneous 201Tl/99mTC seven-pinhole tomography in acute myocardial infarct] Krause T, et al. **Nuklearmedizin** 1986 Jun;25(3):99–105 (Eng. Abstr.) **(Ger)**

[Results of fatty acid SPECT of the myocardium in coronary disease] Reske SN, et al. **Nuklearmedizin** 1986 Jun; 25(3):90–8 (Eng. Abstr.) **(Ger)**

[Three-dimensional image processing for analysis of ventricular wall motion] Toyama H, et al. **J Cardiogr** 1985 Sep;15(3):729–33 (Eng. Abstr.) **(Jpn)**

[Diagnosis of myocardial infarction using single photon emission computed tomography: comparison between visual and quantitative diagnosis] Uehara T, et al. **J Cardiogr** 1984 Dec;14(4):645–53 (Eng. Abstr.) **(Jpn)**

[A new method for phase analysis in gated blood pool emission computed tomography (GPECT)] Ito T, et al. **Kaku Igaku** 1986 Feb;23(2):161–5 (Eng. Abstr.) **(Jpn)**

[Energy spectrum of Xe-133 and the effect of window level setting on the performance of the ring-type SPECT] Komatani A, et al. **Kaku Igaku** 1985 Nov;22(11):1695–8 **(Jpn)**

[Analysis of statistical accuracy in regional cerebral blood flow measurement by steady state method] Miura S, et al. **Kaku Igaku** 1985 Oct;22(10):1469–75 (Eng. Abstr.) **(Jpn)**

[Uniformity correction of SPECT image using artifact distribution function obtained from a cylindrical phantom]

Ogawa K, et al. **Kaku Igaku** 1986 Jan;23(1):35-41 (Eng. Abstr.) **(Jpn)**

[Error analysis in the 15O labelled gas inhalation method—evaluation of steadiness of arterial blood gas and radioactivity during "steady state" of radioactive gas inhalation] Yamaguchi T, et al. **Kaku Igaku** 1986 Jan; 23(1):9-16 (Eng. Abstr.) **(Jpn)**

[Modified ellipsoid rotation of SPECT] Machida K, et al. **Radioisotopes** 1986 Mar;35(3):130-2 **(Jpn)**

[Study of data sampling for SPECT image] Tomomitsu T, et al. **Radioisotopes** 1985 Nov;34(11):640-3 **(Jpn)**

TOMOGRAPHY, NMR see **NUCLEAR MAGNETIC RESONANCE**

TOMOGRAPHY, POSITRON EMISSION see **TOMOGRAPHY, EMISSION COMPUTED**

TOMOGRAPHY, PROTON SPIN see **NUCLEAR MAGNETIC RESONANCE**

TOMOGRAPHY, RADIONUCLIDE COMPUTED see **TOMOGRAPHY, EMISSION COMPUTED**

TOMOGRAPHY, TRANSMISSION see **TOMOGRAPHY, X-RAY**

TOMOGRAPHY, TRANSMISSION COMPUTED see **TOMOGRAPHY, X-RAY COMPUTED**

TOMOGRAPHY, ULTRASONIC see **ULTRASONIC DIAGNOSIS**

TOMOGRAPHY, X-RAY

Multidirectional tomography in otospongiosis. Wright JW Jr. **Am J Otol** 1985 Nov;6(6):472-5

Comparison of nephroangiotomography, intravenous subtraction angiography and digital subtraction angiography in the diagnosis of renal hypertension. Bolsinger G, et al. **Cardiology** 1985;72 Suppl 1:49-53

Low-dose transaxial tomography. An alternative to computed tomography for the evaluation of anteversion of the femur during childhood. Kushner DC, et al. **Invest Radiol** 1985 Dec;20(9):978-82

Comparison of computed tomography and conventional tomograms in the evaluation of sacroiliitis. De Somer F, et al. **J Belge Radiol** 1985;68(5):351-4

Tomography in a juvenile Tillaux fracture. Yao J, et al. **J Pediatr Orthop** 1986 May-Jun;6(3):349-51

Arthrotomography: a valuable technique in the evaluation of loose body formation. Ramirez H Jr, et al. **Milit Med** 1986 Jan;151(1):32-7

[Clinical applications of x-ray tomography] Zhang YX. **Chung Hua Fang She Hsueh Tsa Chih** 1984 Nov;18(4):310-1 **(Chi)**

INSTRUMENTATION

Radiation dosimetry in tomography of the teeth and jaws using a multi-film cassette. Borglin K, et al. **Acta Radiol [Diagn] (Stockh)** 1985 Nov-Dec;26(6):739-43

The clinical trial of TOMOTRON—a new electronic device—and eight months' clinical experience. Kröpelin T, et al. **Radiat Med** 1985 Apr-Jun;3(2):63-70

[Zonography of the maxillofacial area on the Zonark panoramic tomograph] Rabukhina NA, et al. **Vestn Rentgenol Radiol** 1986 May-Jun;(3):27-31 (Eng. Abstr.) **(Rus)**

[A device for measuring the depth of the tomographic section] Shevchenko VA, et al. **Voen Med Zh** 1985 Aug; (8):67 **(Rus)**

METHODS

An update on the technique of double-contrast arthrotomography of the shoulder. Vézina JA, et al. **J Can Assoc Radiol** 1985 Sep;36(3):176-82

Double-contrast arthrotomography of the shoulder: correlation of radiological and surgical findings in complete rotator cuff tears. Vézina JA, et al. **J Can Assoc Radiol** 1985 Sep;36(3):183-8

Enhancement of tomosynthetic images in dental radiology. van der Stelt PF, et al. **J Dent Res** 1986 Jul;65(7):967-73

Temporomandibular articulation tomography: a corrected anteroposterior and lateral cephalometric technique. Rosenberg HM, et al. **Oral Surg Oral Med Oral Pathol** 1986 Aug;62(2):198-204

[Methods for eliminating the image of structures lying outside the selected layer in linear tomography of the skull] Kossovol AL. **Vestn Rentgenol Radiol** 1986 May-Jun; (3):50-5 (Eng. Abstr.) **(Rus)**

TOMOGRAPHY, X-RAY COMPUTED

Current problems of the diagnostics of the retroperitoneum. Schmidt L, et al. **Acta Chir Hung** 1986;27(1):35-44

Comparison of ultrasonography and computed tomography in preoperative location of parathyroid adenomas. Järhult J, et al. **Acta Chir Scand** 1985;151(7):583-7

Preoperative computed tomography for evaluation of tumour growth in patients with gastric cancer. Vallgren S, et al. **Acta Chir Scand** 1985;151(6):571-3

Changes in computed tomographic findings in microprolactinomas before and after bromocriptine. Demura R, et al. **Acta Endocrinol (Copenh)** 1985 Nov; 110(3):308-12

Comparison between pituitary computed tomographic findings and tests of hypothalamo-pituitary function in 72 patients with hyperprolactinaemia. Ghigo E, et al. **Acta Endocrinol (Copenh)** 1986 May;112(1):20-7

The value of computed tomography, ultrasonography, and peritoneoscopy with biopsy in the detection of liver metastases secondary to gastro-enterological tumors. Fevery J, et al. **Acta Gastroenterol Belg** 1985 Mar-Apr; 48(2):105-10

The holoacardius: a correlative computerized tomographic, radiologic, and ultrasonographic investigation of a new case with review of literature. Bhatnagar KP, et al. **Acta Genet Med Gemellol (Roma)** 1986;35(1-2):77-89

CT-scanning and anatomy. Proceedings of the symposium held on the occasion of the 132nd meeting of the Dutch Anatomical Society. Groningen, The Netherlands, October 31, 1984. **Acta Morphol Neerl Scand** 1985;23(3):197-313

CT-scanning in palatoschizis. de Lussanet de la Sablonière RM, et al. **Acta Morphol Neerl Scand** 1985;23(3):289-96

Computed tomography (CT) of the retroperitoneum. Feldberg MA. **Acta Morphol Neerl Scand** 1985;23(3):275-84

Orbital anatomy, the direct scanning of the orbit in three planes and their bearings on the treatment of motility disturbances of the eye after orbital "blow-out" fractures. Koornneef L, et al. **Acta Morphol Neerl Scand** 1985; 23(3):229-46

Computed tomography of the pelvis. van Engelshoven JM, et al. **Acta Morphol Neerl Scand** 1985;23(3):259-66

The use of modern imaging techniques (CT-scanning and NMR) in the study of the locomotor apparatus. van Mameren H, et al. **Acta Morphol Neerl Scand** 1985; 23(3):247-57

Traditional radiology versus computed tomography (CT); an anatomical break-through to the third dimension. van Waes PF. **Acta Morphol Neerl Scand** 1985;23(3):221-7

The spatial reproduction of the deformed spine with the aid of CT-scanning. Implementation in clinics and in anatomical and embryological research. Verbout AJ. **Acta Morphol Neerl Scand** 1985;23(3):305-13

Cross-sectional areas and estimated intrinsic strength of the human jaw muscles. Weijs WA, et al. **Acta Morphol Neerl Scand** 1985;23(3):267-74

CT-scanning of fossil hominid skulls. Wind J. **Acta Morphol Neerl Scand** 1985;23(3):297-304

Computed tomography; possibilities and impossibilities of an anatomical-medical imaging technique. Zonneveld FW. **Acta Morphol Neerl Scand** 1985;23(3):201-20

Effects of osmotic and oncodiuretic therapy on CT-brain density and intracranial pressure. Albright AL, et al. **Acta Neurochir (Wien)** 1985;78(3-4):119-22

Post-traumatic diffuse axonal brain injury. Analysis of 78 patients studied with computed tomography. Cordobés F, et al. **Acta Neurochir (Wien)** 1986;81(1-2):27-35

Spatial and quantitative distribution of human peritumoural brain oedema in computerized tomography. Ito U, et al. **Acta Neurochir (Wien)** 1986;81(1-2):53-60

Target localization on standard axial images in computed tomography (CT) stereotaxis for functional neurosurgery—a technical note. Patil AA. **Acta Neurochir (Wien)** 1986;82(1-2):64-7

Clinical and CT scan assessment of benign versus fatal spontaneous cerebellar haematomas. Salazar J, et al. **Acta Neurochir (Wien)** 1986;79(2-4):80-6

Intradiscal collagenase for treatment of lumbar disc herniations. A comparison of clinical results and computed tomography follow-up. Wintermantel E, et al. **Acta Neurochir (Wien)** 1985;78(3-4):98-104

Quantitative histology of peritumoural low density area associated with glioma on CT; image analyzing study of peritumoural low density area after steroid-osmotherapy. Yoshii Y, et al. **Acta Neurochir (Wien)** 1986;81(1-2):61-7

Computerized tomography in 53 patients with lacunar syndromes. Bove L, et al. **Acta Neurol (Napoli)** 1986 Feb; 8(1):27-35

Semilobar holoprosencephaly: embryologic, CSF dynamics and radiological considerations. Gangemi M, et al. **Acta Neurol (Napoli)** 1986 Feb;8(1):13-8

Transient computerised tomographic (CT) abnormalities following partial seizures. Jayakumar PN, et al. **Acta Neurol Scand** 1985 Jul;72(1):26-9

Late onset epileptic seizures. A retrospective study of 250 patients. Pérez López JL, et al. **Acta Neurol Scand** 1985 Oct;72(4):380-4

Voluntary hip subluxation examined by computed tomography. Anda S, et al. **Acta Orthop Scand** 1986 Feb; 57(1):94-5

Computed tomography in spondylitis. CT versus other radiographic methods. Raininko RK, et al. **Acta Orthop Scand** 1985 Oct;56(5):372-7

Maple syrup urine disease variant form: presentation with psychomotor retardation and CT scan abnormalities. Verdu A, et al. **Acta Paediatr Scand** 1985 Sep;74(5):815-8

Relationships between brain density, cortical atrophy and ventriculomegaly in schizophrenia and mania. Coffman JA, et al. **Acta Psychiatr Scand** 1985 Aug;72(2):126-32

A comprehensive study of chronic schizophrenic patients. I. Quantitative computed tomography: cerebral density, ventricle and sulcal measures. Dewan MJ, et al. **Acta Psychiatr Scand** 1986 Feb;73(2):152-60

A comprehensive study of chronic schizophrenic patients. II: Biological, neuropsychological, and clinical correlates of CT abnormality. Pandurangi AK, et al. **Acta Psychiatr Scand** 1986 Feb;73(2):161-71

Ventricular size, the dexamethasone suppression test and outcome of severe endogenous depression following psychosurgery. Standish-Barry HM, et al. **Acta Psychiatr Scand** 1985 Aug;72(2):166-71

Computed tomography of pelvic lipomatosis. Report of a case. Blåth L, et al. **Acta Radiol [Diagn] (Stockh)** 1986 May-Jun;27(3):311-4

Lumbosacral epidurography and computed tomography. A preliminary report. Hårdstedt C, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Mar-Apr;27(2):173-7

Ultrasonography and computed tomography in adenomyomatosis of the gallbladder. Izumi N, et al. **Acta Radiol [Diagn] (Stockh)** 1985 Nov-Dec;26(6):689-92

Computed tomography of the knee with reference to meniscal tears. A prospective blind investigation. Jurik AG, et al. **Acta Radiol [Diagn] (Stockh)** 1986 May-Jun; 27(3):335-40

Computed tomography and 131I-MIBG scintigraphy in the diagnosis of pheochromocytoma. Koizumi M, et al. **Acta Radiol [Diagn] (Stockh)** 1986 May-Jun;27(3):305-9

Computed tomography in pre- and postoperative evaluation of aortic dissection. Landtman M, et al. **Acta Radiol [Diagn] (Stockh)** 1986 May-Jun;27(3):273-8

Influence of different criteria for abnormal lymph node size on reliability of computed tomography in patients with non-seminomatous testicular tumor. Lien HH, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Mar-Apr;27(2):199-203

Pulmonary changes at computed tomography in patients with testicular carcinoma treated with cis-platinum, vinblastine and bleomycin. Lien HH, et al. **Acta Radiol [Diagn] (Stockh)** 1985 Sep-Oct;26(5):507-10

Computed tomography of mediastinal lymph nodes. Anatomic review based on contrast enhanced nodes following foot lymphography. Lien HH, et al. **Acta Radiol [Diagn] (Stockh)** 1985 Nov-Dec;26(6):641-7 (21 ref.)

Computed tomography of lipomatous and myxoid tumors. Lindahl S, et al. **Acta Radiol [Diagn] (Stockh)** 1985 Nov-Dec;26(6):709-13

Computed tomographic angiography of the liver via the coeliac axis. Lundstedt C, et al. **Acta Radiol [Diagn] (Stockh)** 1986 May-Jun;27(3):285-92

Computed tomography in deep venous thrombosis with limb oedema. Seem E, et al. **Acta Radiol [Diagn] (Stockh)** 1985 Nov-Dec;26(6):727-30

Computed tomography in the assessment of pancreatic tumor response after intraoperative radiation therapy. Nishimura A, et al. **Acta Radiol [Oncol]** 1986 Mar-Apr;25(2):121-6

Lymphangiography and abdominal computerized tomography in persistent generalized lymphadenopathy. Tirelli U, et al. **AIDS Res** 1986 Spring;2(2):149-53

CT observations pertinent to septic cavernous sinus thrombosis. Ahmadi J, et al. **AJNR** 1985 Sep-Oct; 6(5):755-8

CT scan in progressive supranuclear palsy [letter] Ambrosetto P. **AJNR** 1986 May-Jun;7(3):529

Spinal subarachnoid clot detected by CT [letter] Azar-Kia B, et al. **AJNR** 1986 Jan-Feb;7(1):178-9

Computed tomography of single-channel cochlear implants. Ball JB Jr, et al. **AJNR** 1986 Jan-Feb;7(1):41-7

Spinal epidural lymphomas: CT features in seven patients. Beres J, et al. **AJNR** 1986 Mar-Apr;7(2):327-8

Acute subarachnoid hemorrhage: in vitro comparison of magnetic resonance and computed tomography. Chakeres DW, et al. **AJNR** 1986 Mar-Apr;7(2):223-8

CT evaluation of the greater sciatic foramen in patients with sciatica. Cohen BA, et al. **AJNR** 1986 Mar-Apr;7(2):337-42

CT-surgical correlation in pituitary adenomas: evaluation in 113 patients. Davis PC, et al. **AJNR** 1985 Sep-Oct; 6(5):711-6

Computed tomography of intracranial gangliogliomas. Dorne HL, et al. **AJNR** 1986 Mar-Apr;7(2):281-5

CT recognition of anomalies of the posterior arch of the atlas vertebra: differentiation from fracture. Dorne HL, et al. **AJNR** 1986 Jan-Feb;7(1):176-7

Ophthalmopathy of Graves' disease: computerized volume measurements of the orbital fat and muscle. Forbes G, et al. **AJNR** 1986 Jul-Aug;7(4):651-6

Leukoencephalopathy in normal and pathologic aging: I. CT of brain lucencies. George AE, et al. **AJNR** 1986 Jul-Aug; 7(4):561-6

CT signs of central descending transtentorial herniation [letter] Hahn FJ, et al. **AJNR** 1985 Sep-Oct;6(5):844-5

CT of neonatal herpes encephalitis. Herman TE, et al. **AJNR** 1985 Sep-Oct;6(5):773-5

Cranial CT findings in sclerosteosis. Hill SC, et al. **AJNR** 1986 May-Jun;7(3):505-11

CT of petrous carotid aneurysms. Kelly WM, et al. **AJNR** 1985 Sep-Oct;6(5):830-2

Pituitary atrophy in Korean (epidemic) hemorrhagic fever: CT correlation with pituitary function and visual field. Lim TH, et al. **AJNR** 1986 Jul-Aug;7(4):633-7

CT in the evaluation of the orbit and the bony interorbital distance. Mafee MF, et al. **AJNR** 1986 Mar-Apr;7(2):265-9

Thin-section CT of midbrain abnormalities in progressive supranuclear palsy. Masucci EF, et al. **AJNR** 1985 Sep-Oct;6(5):767-72

CT of the brain in acute carbon monoxide intoxication:

characteristic features and prognosis. Miura T, et al. AJNR 1985 Sep–Oct;6(5):739–42
Giant cauda equina schwannoma: CT appearance. Osborn RE, et al. AJNR 1985 Sep–Oct;6(5):835–6
Acute subdural hematomas: atypical CT findings. Reed D, et al. AJNR 1986 May–Jun;7(3):417–21
Plexiform neurofibromatosis of the orbit: CT evaluation. Reed D, et al. AJNR 1986 Mar–Apr;7(2):259–63
CT evaluation of perineural orbital lesions [letter] Salvolini U. AJNR 1986 Jul–Aug;7(4):738
Cerebral schistosomiasis. Schils J, et al. AJNR 1985 Sep–Oct; 6(5):840–1
MR and CT in cytoplasmically inherited striatal degeneration. Seidenwurm D, et al. AJNR 1986 Jul–Aug; 7(4):629–32
Left–right temporal region asymmetry in infants and children. Seidenwurm D, et al. AJNR 1985 Sep–Oct; 6(5):777–9
High–resolution computed tomography of the basilar artery: 2. Vertebrobasilar dolichoectasia: clinical–pathologic correlation and review. Smoker WR, et al. AJNR 1986 Jan–Feb;7(1):61–72
High–resolution computed tomography of the basilar artery: 1. Normal size and position. Smoker WR, et al. AJNR 1986 Jan–Feb;7(1):55–60
CT and MR of angiomatous malformations of the choroid plexus in patients with Sturge–Weber disease. Stimac GK, et al. AJNR 1986 Jul–Aug;7(4):623–7
MR imaging of intracranial cysticercosis: comparison with CT and anatomopathologic features. Suss RA, et al. AJNR 1986 Mar–Apr;7(2):235–42
Diagnosis and evaluation of spondylolisthesis and/or spondylolysis on axial CT. Teplick JG, et al. AJNR 1986 May–Jun;7(3):479–91
CT densitometry of the cochlear capsule in otosclerosis. Valvassori GE, et al. AJNR 1985 Sep–Oct;6(5):661–7
CT in diagnosis of acoustic neuromas. Wu EH, et al. AJNR 1986 Jul–Aug;7(4):645–50
MRI and CT evaluation of primary bone and soft–tissue tumors. Aisen AM, et al. AJR 1986 Apr;146(4):749–56
Staging of bladder carcinoma: MRI–CT–surgical correlation. Amendola MA, et al. AJR 1986 Jun;146(6):1179–83
CT in the management of periappendiceal abscess. Barakos JA, et al. AJR 1986 Jun;146(6):1161–4
Computed tomography in stage III neuroblastoma. Boechat MI, et al. AJR 1985 Dec;145(6):1283–7
Computed tomographic demonstration of the posterior pituitary. Bonneville JF, et al. AJR 1986 Feb;146(2):263–6
Staging rectal cancer by MR and CT. Butch RJ, et al. AJR 1986 Jun;146(6):1155–60
Cranial computed tomography in the abused child with head injury. Cohen RA, et al. AJR 1986 Jan;146(1):97–102
CT of extraarachnoid metrizamide instillation. Dake MD, et al. AJR 1986 Sep;147(3):583–6
Orbital apex: correlative anatomic and CT study. Daniels DL, et al. AJR 1985 Dec;145(6):1141–6
Retroperitoneal fibrosis: use of CT in distinguishing among possible causes. Degesys GE, et al. AJR 1986 Jan; 146(1):57–60
CT detection of portal venous gas associated with suppurative cholangitis and cholecystitis. Dennis MA, et al. AJR 1985 Nov;145(5):1017–8
CT discriminators of malignant from benign adrenal masses [letter] Drouineau J, et al. AJR 1986 Jun;146(6):1316–7
CT and sonography of multiple bile–duct hamartomas simulating malignant liver disease (case report). Eisenberg D, et al. AJR 1986 Aug;147(2):279–80
Musculoskeletal case of the day. Fisher DR, et al. AJR 1986 May;146(5):1087–93
Hepatic hemangioma: dynamic bolus CT. Freeny PC, et al. AJR 1986 Oct;147(4):711–9
Small–bowel diverticulitis: CT findings. Greenstein S, et al. AJR 1986 Aug;147(2):271–4
Computed tomography of calcaneal fractures: anatomy, pathology, dosimetry, and clinical relevance. Guyer BH, et al. AJR 1985 Nov;145(5):911–9
Calcific tendinitis of the longus coli: diagnosis by CT. Hall FM, et al. AJR 1986 Oct;147(4):742–3
The role of CT in staging radiographic T1N0M0 lung cancer. Heavey LR, et al. AJR 1986 Feb;146(2):285–90
CT evaluation of the pelvis after hemipelvectomy. Holbert JM, et al. AJR 1985 Dec;145(6):1233–9
Neuroradiology case of the day. Houston LW, et al. AJR 1986 May;146(5):1094–7
Unusual thoracoabdominal sites of metastases in testicular tumors. Husband JE, et al. AJR 1985 Dec;145(6):1165–71
CT evaluation of retroperitoneal hemorrhage associated with femoral arteriography. Illescas FF, et al. AJR 1986 Jun; 146(6):1289–92
Need for precision in experimental design [letter] Jacoby CG. AJR 1986 Jan;146(1):174–5
CT features of intraabdominal abscesses: prediction of successful percutaneous drainage. Jaques P, et al. AJR 1986 May;146(5):1041–5
Segmental bronchovascular anatomy of the lower lobes: CT analysis. Jardin M, et al. AJR 1986 Sep;147(3):457–68
Abdominal CT in acquired immunodeficiency syndrome. Jeffrey RB Jr, et al. AJR 1986 Jan;146(1):7–13 (35 ref.)
CT of the sella turcica after transsphenoidal resection of pituitary adenomas. Kaplan HC, et al. AJR 1985 Dec; 145(6):1131–40
Hepatocellular carcinoma presenting as primary extrahepatic mass on CT. Longmaid HE 3d, et al. AJR 1986 May; 146(5):1005–9
Computed tomography of internally calcified renal cysts. Love L, et al. AJR 1985 Dec;145(6):1225–7
Computed tomography of pancreatic pseudocysts of the duodenum. McCowin MJ, et al. AJR 1985 Nov; 145(5):1003–7
CT appearance of impaired lymphatic drainage in liver transplants. Marincek B, et al. AJR 1986 Sep;147(3):519–23
CT evaluation of Kimray–Greenfield filter complications. Miller CL, et al. AJR 1986 Jul;147(1):45–50
Preoperative evaluation of abdominal aortic aneurysms by computed tomography. Papanicolaou N, et al. AJR 1986 Apr;146(4):711–5
Pituitary and adrenal CT of Cushing syndrome. Pojunas KW, et al. AJR 1986 Jun;146(6):1235–8
Cytomegalic inclusion virus encephalitis in patients with AIDS: CT, clinical, and pathologic correlation. Post MJ, et al. AJR 1986 Jun;146(6):1229–34
Mediastinal lymph node detection and sizing at CT and autopsy. Quint LE, et al. AJR 1986 Sep;147(3):469–72
Pheochromocytoma: detection by unenhanced CT. Radin DR, et al. AJR 1986 Apr;146(4):741–4
CT arthrography of capsular structures of the shoulder. Rafii M, et al. AJR 1986 Feb;146(2):361–7
Abdominal case of the day. Rao BK, et al. AJR 1986 May; 146(5):1074–9
Hemorrhagic focal bacterial nephritis: findings on gray–scale sonography and CT. Rigsby CM, et al. AJR 1986 Jun; 146(6):1173–7
Technological seduction: diagnostic imaging technology facing new demands. Robb WL. AJR 1985 Dec; 145(6):1112–4
CT of the inferomedial orbit and the lacrimal drainage apparatus: normal and pathologic anatomy. Russell EJ, et al. AJR 1985 Dec;145(6):1147–54
The solitary pulmonary nodule: role of CT. Sagel SS. AJR 1986 Jul;147(1):26–7
Second branchial cleft cyst: unusual location and a new CT diagnostic sign. Salazar JE, et al. AJR 1985 Nov; 145(5):965–6
Normal pituitary stalk size in children: CT study. Seidel FG, et al. AJR 1985 Dec;145(6):1297–302
MR imaging of multiple sclerosis: comparison with clinical and CT examinations in 74 patients. Sheldon JJ, et al. AJR 1985 Nov;145(5):957–64
CT scanning of the foot and ankle: 2. Clinical applications and review of the literature. Solomon MA, et al. AJR 1986 Jun;146(6):1204–14
CT of adenoid cystic carcinoma of the trachea. Spizarny DL, et al. AJR 1986 Jun;146(6):1129–32
Incremental dynamic computed tomography: practical method of imaging the carotid bifurcation. Tress BM, et al. AJR 1986 Mar;146(3):465–70
Chest case of the day. Unger JM, et al. AJR 1986 May; 146(5):1080–6
The clinical impact of CT for blunt abdominal trauma. Wing VW, et al. AJR 1985 Dec;145(6):1191–4
The complementary role of magnetic resonance imaging, Doppler echocardiography, and computed tomography in the diagnosis of dissecting thoracic aneurysms. Goldman AP, et al. Am Heart J 1986 May;111(5):970–81
Isolated thoracic aortic thrombosis in occult aortitis: diagnostic contribution of computed tomography. Greene GM, et al. Am Heart J 1986 Jul;112(1):178–81
Computerized tomography and ultrasound in the noninvasive evaluation of coarctation of the aorta. Modena MG, et al. Am J Cardiol 1985 Nov 1;56(12):822–4
CT evaluation of patients during treatment of advanced non–small cell lung carcinoma. Abrams JS, et al. Am J Clin Oncol 1986 Aug;9(4):292–8
Role of CT scanning in the superior vena cava syndrome. Schwartz EE, et al. Am J Clin Oncol 1986 Feb;9(1):71–8
Diagnosis of cerebral atrophy in infants by near–field cranial sonography. Fischer AQ, et al. Am J Dis Child 1986 Aug; 140(8):774–7
Magnetic resonance imaging compared with computed tomography in adrenoleukodystrophy. Huckman MS, et al. Am J Dis Child 1986 Oct;140(10):1001–3
Radiologic imaging of Pott puffy tumor and other frontal sinusitis complications. Young LW. Am J Dis Child 1986 Mar;140(3):197
Seizures in pregnancy [clinical conference] Shesser R, et al. Am J Emerg Med 1985 Nov;3(6):551–5
Aggressive angiomyxoma: CT appearance. Destian S, et al. Am J Gastroenterol 1986 Aug;81(8):711–3
Primary leiomyosarcoma of gallbladder seen on computed tomography and ultrasound. Newmark H 3d, et al. Am J Gastroenterol 1986 Mar;81(3):202–4
Evaluation by computerized axial tomography of eclamptic women with seizures refractory to magnesium sulfate therapy. Dunn R, et al. Am J Obstet Gynecol 1986 Aug; 155(2):267–8
X–ray pelvimetry in a breech protocol: a comparison of digital radiography and conventional methods. Gimovsky ML, et al. Am J Obstet Gynecol 1985 Dec 15;153(8):887–8
Computerized tomography in cases of lipoid cell tumor causing virilization [letter] Grunert GM. Am J Obstet Gynecol 1986 Sep;155(3):684–5
Temporomandibular joint: computed tomographic three–dimensional reconstruction. Moaddab MB, et al. Am J Orthod 1985 Oct;88(4):342–52
Fenestral and cochlear otosclerosis: computed tomographic evaluation. Swartz JD, et al. Am J Otol 1985 Nov; 6(6):476–81
Ventricular dilation on CAT scans of patients with anorexia nervosa. Datlof S, et al. Am J Psychiatry 1986 Jan; 143(1):96–8
Indications for CAT scans of psychiatric patients [letter] Emsley RA, et al. Am J Psychiatry 1986 Sep;143(9):1199
Comparison of PET measurement of local brain glucose metabolism and CAT measurement of brain atrophy in chronic schizophrenia and depression. Kling AS, et al. Am J Psychiatry 1986 Feb;143(2):175–80
Value of CT scanning in differential pain diagnosis in runners. Pitman MI, et al. Am J Sports Med 1986 Jul–Aug; 14(4):324–6
Early computerized tomography as a predictor of outcome in acute pancreatitis. Nordestgaard AG, et al. Am J Surg 1986 Jul;152(1):127–32
Computerized tomography in the evaluation of the late complications of acute pancreatitis. Rotman N, et al. Am J Surg 1986 Sep;152(3):286–9
The diagnosis of emphysema. A computed tomographic–pathologic correlation. Bergin C, et al. Am Rev Respir Dis 1986 Apr;133(4):541–6
Preoperative CT in symptomatic abdominal aortic aneurysms: accuracy and efficacy. Seeger JM, et al. Am Surg 1986 Feb;52(2):87–90
Computed tomography scanning in acute pulmonary problems. McLean AS. Anaesth Intensive Care 1986 Feb; 14(1):84–6
Computerised tomography guided lumbar sympathectomy. Redman DR, et al. Anaesthesia 1986 Jan;41(1):39–41
Monitoring ventilation during computed tomography scan [letter] Sarnat AJ, et al. Anesthesiology 1985 Dec;63(6):729
Demonstration of mitral valve function by cine computed tomography using a new long axis view. Rees MR, et al. Angiology 1986 Feb;37(2):79–85
Computed tomography of the abdomen. Bresler MJ. Ann Emerg Med 1986 Mar;15(3):280–5
Emergency CT head scans in traumatic and atraumatic conditions. McMicken DB. Ann Emerg Med 1986 Mar; 15(3):274–9
CT versus plain radiographs [letter] Miller JM, et al. Ann Emerg Med 1986 Jun;15(6):762–3
High–yield criteria for urgent cranial computed tomography scans. Mills ML, et al. Ann Emerg Med 1986 Oct; 15(10):1167–72
Head trauma and CT scans [letter] White JD. Ann Emerg Med 1986 Oct;15(10):1250–1
Spinal canal hemorrhage and CT scanning [letter] Carol MP, et al. Ann Neurol 1986 Jan;19(1):102
Similarity of brain CT appearance in spongy degeneration to that of subacute necrotizing encephalomyelopathy. Lo WD, et al. Ann Neurol 1985 Sep;18(3):352–4
Cerebellar infarction: comparison of computed tomography and magnetic resonance imaging. Simmons Z, et al. Ann Neurol 1986 Mar;19(3):291–3
Computed tomography in the assessment of mandibular invasion by intraoral carcinoma. Close LG, et al. Ann Otol Rhinol Laryngol 1986 Jul–Aug;95(4 Pt 1):383–8
Transsphenoidal encephalocele. Kenna MA. Ann Otol Rhinol Laryngol 1985 Sep–Oct;94(5 Pt 1):520–2
Index 1983–1984 of European radiological journals. Ann Radiol (Paris) 1985;28(6 Pt 2):1–184
Computed tomography of pheochromocytoma. Blickman JG, et al. Ann Radiol (Paris) 1985;28(6):447–52
Computed tomography in the diagnosis of primitive cardiomyopathy. Di Guglielmo L, et al. Ann Radiol (Paris) 1986;29(2):185–93
Computed tomography diagnosis of extradural involvement of paraspinal tumors in children. Geoffray A, et al. Ann Radiol (Paris) 1986;29(3–4):333–8 (Eng, Fre)
CT features of peritoneal and mesenteric involvement in pediatric malignancies. Experience from thirteen cases. Grenier N, et al. Ann Radiol (Paris) 1986;29(3–4):275–85 (Eng, Fre)
Fully CT–guided percutaneous abscess drainage. Hajek PC, et al. Ann Radiol (Paris) 1986;29(2):255–9
Pericardial and congestive heart failure diagnostic with CT– and MR–imaging. Rienmüller R, et al. Ann Radiol (Paris) 1986;29(2):95–100
Preoperative imaging of liver metastases. Comparison of angiography, CT scan, and ultrasonography. Gunvén P, et al. Ann Surg 1985 Nov;202(5):573–9
Preoperative staging with computerized axial tomography and biochemical laboratory tests in patients with hepatic metastases. Kemeny MM, et al. Ann Surg 1986 Feb; 203(2):169–72
Use of computerized cerebral tomography in selection of patients for elective and urgent carotid endarterectomy. Ricotta JJ, et al. Ann Surg 1985 Dec;202(6):783–7
An applicability study on a CT–guided stereotactic technique for functional neurosurgery. Asakura T, et al. Appl Neurophysiol 1985;48(1–6):73–6
Use of intraoperative stimulation in the selection of target sites for CT–guided stereotactic biopsies. Bullard DE, et al. Appl Neurophysiol 1985;48(1–6):454–9
Diagnosis and treatment of brainstem mass lesions by CT–guided stereotactic surgery. Coffey RJ, et al. Appl Neurophysiol 1985;48(1–6):467–71
Accuracy of CT scans in identifying tumor tissue. Hitchon PW, et al. Appl Neurophysiol 1985;48(1–6):463–6

CT-guided ablative stereotaxis without ventriculography. Laitinen LV. **Appl Neurophysiol** 1985;48(1–6):18–21
Stereotactic interstitial brachytherapy—current concepts and concerns in twenty patients. Lunsford LD, et al. **Appl Neurophysiol** 1985;48(1–6):117–20
Present role of stereotactic thalamotomy for parkinsonism. Retrospective analysis of operative results and thalamic lesions in computed tomograms. Miyamoto T, et al. **Appl Neurophysiol** 1985;48(1–6):294–304
Correlation between stereo-EEG, CT-scan and stereotactic biopsy data in epileptic patients with low-grade gliomas. Munari C, et al. **Appl Neurophysiol** 1985;48(1–6):448–53
CT-guided stereotactic aspiration of intracerebral hematoma—result of a hematoma-lysis method using urokinase. Niizuma H, et al. **Appl Neurophysiol** 1985; 48(1–6):427–30
CT-guided stereotactic surgery for evacuation of hypertensive intracerebral hematoma. Tanikawa T, et al. **Appl Neurophysiol** 1985;48(1–6):431–9
Evaluation of computed tomography and radionuclide scanning in the staging of cutaneous T-cell lymphoma. Rosen ST, et al. **Arch Dermatol** 1986 Aug;122(8):884–6
White matter attenuation and megalencephaly. Robinson RO. **Arch Dis Child** 1985 Nov;60(11):1079–81
Brain morphometry in autistic men as measured by volumetric computed tomography. Creasey H, et al. **Arch Neurol** 1986 Jul;43(7):669–72
The validity of computed tomographic scan findings for the localization of cerebral functions. The relationship between computed tomography and hemiparesis. Knopman DS, et al. **Arch Neurol** 1986 Apr;43(4):328–32
Comparison of computed tomography and digital subtraction angiography of preoperative evaluation of soft-tissue tumors of the limbs. Crone-Münzebrock W, et al. **Arch Orthop Trauma Surg** 1985;104(5):319–24
Magnetic resonance imaging vs computed tomography. Comparison in imaging oral cavity and pharyngeal carcinomas. Schaefer SD, et al. **Arch Otolaryngol** 1985 Nov;111(11):730–4
Computed tomography of cervical lymph nodes. Staging and management of head and neck cancer. Stevens MH, et al. **Arch Otolaryngol** 1985 Nov;111(11):735–9
Computed tomography of Körner's septum and petrosquamosal suture. Viraporngse C, et al. **Arch Otolaryngol Head Neck Surg** 1986 Jan;112(1):81–7
Evaluation of gastric adenocarcinoma. Abdominal computed tomography does not replace celiotomy. Cook AO, et al. **Arch Surg** 1986 May;121(5):603–6
Radiologic diagnosis of an intra-abdominal abscess. Do multiple tests help? Dobrin PB, et al. **Arch Surg** 1986 Jan; 121(1):41–6
Computed tomographic analysis of gallstones. An in vitro study. Hickman MS, et al. **Arch Surg** 1986 Mar; 121(3):289–91
Computed tomography in the assessment of pediatric abdominal trauma. Mohamed G, et al. **Arch Surg** 1986 Jun; 121(6):703–7
Percutaneous drainage of diverticular abscess. An adjunct to surgical therapy. Saini S, et al. **Arch Surg** 1986 Apr; 121(4):475–8
Computed tomography of the hindfoot with rheumatoid arthritis. Seltzer SE, et al. **Arthritis Rheum** 1985 Nov; 28(11):1234–42
CT scan as a diagnostic tool to detect cancer invasion in the carotid artery. Asai M, et al. **Auris Nasus Larynx** 1985; 12 Suppl 2:S98–102
Evaluation of the eustachian tube in normal subjects and in patients with otitis media with effusion by high resolution computerized tomography. Kanzaki J, et al. **Auris Nasus Larynx** 1985;12 Suppl 1:S52–4
Changing investigation patterns in stroke patients. Carney SL, et al. **Aust Clin Rev** 1986 Mar;6(20):9–11
Cerebritis preceding cerebral abscess formation: a report of three cases. Chee CP, et al. **Aust NZ J Surg** 1986 Aug; 56(8):657–60
Chlormethiazole: an effective oral sedative for cranial CT scans in children. Stanley TV. **Aust Paediatr J** 1985 Aug; 21(3):191–2
The use of quantitative data from radionuclide scanning and computed tomography imaging to assess the response of bone metastases to therapy. Budd RS. **Australas Phys Eng Sci Med** 1985 Jul–Sep;8(3):136–41
CT vertebral bone mineral measurement—intrinsic errors of single KV. Mahaworasilpa T, et al. **Australas Phys Eng Sci Med** 1986 Jan–Mar;9(1):23–8
High resolution CT scanning of the bronchial tree. CT bronchography: anatomy. Lau LS. **Australas Radiol** 1985 Nov;29(4):315–22
High resolution CT scanning of the bronchial tree. CT bronchography: technique & clinical application. Lau LS, et al. **Australas Radiol** 1985 Nov;29(4):323–31
Mycotic aneurysm of thoracic aorta as a cause of haemoptysis. Role of dynamic CT scanning. Lavoipierre AM, et al. **Australas Radiol** 1985 Nov;29(4):332–4
Computerised tomography of keratoconus. Lawless M, et al. **Australas Radiol** 1986 Feb;30(1):10–2
Psoas abscess: ultrasonographic and computed tomographic appearances. Puvaneswary M, et al. **Australas Radiol** 1985 May;29(2):163–6
Tardive dyskinesia: relation to computer-tomographic, endocrine, and psychopathological variables. Albus M, et al. **Biol Psychiatry** 1985 Oct;20(10):1082–9
Gender effects seen in the cerebral ventricular/brain ratio (VBR). Bridge TP, et al. **Biol Psychiatry** 1985 Oct; 20(10):1136–8
Periventricular lucencies in the CT scans of aged and demented patients. London E, et al. **Biol Psychiatry** 1986 Aug;21(10):960–2
C.T. diagnosis: cortical adrenal adenoma (aldosteronoma). Cintrón E, et al. **Bol Asoc Med PR** 1985 Dec;77(12):516–7
The influence of marrow on measurement of trabecular bone using computed tomography. Mazess RB, et al. **Bone** 1985; 6(5):349–51
Diagnostic and surgical management of patients with aneurysms of the thoracic aorta with various causes. Echocardiography and contrast enhanced computed tomography in prophylactic replacement of the ascending aorta. Bruno L, et al. **Br Heart J** 1986 Jan;55(1):81–91
Left atrial rhabdomyosarcoma and the use of digital gated computed tomography in its diagnosis. Jack CM, et al. **Br Heart J** 1986 Mar;55(3):305–7
Computed tomography: the investigation of choice for aortic dissection? Singh H, et al. **Br Heart J** 1986 Aug;56(2):171–5
CT scanning in psychiatry [editorial] Lewis S. **Br J Hosp Med** 1986 Mar;35(3):143
Computed tomography in the elderly: changes over time in a normal population. Bird JM, et al. **Br J Psychiatry** 1986 Jan;148:80–5
Regional density and survival in senile dementia. An interim report on a prospective computed tomographic study. Colgan J. **Br J Psychiatry** 1985 Jul;147:63–6
A comparison of water equivalent thickness measurements: CT method vs. heavy ion beam technique. Alpen EL, et al. **Br J Radiol** 1985 Jun;58(690):542–8
CT detection of necrotising enterocolitis. Bankoff MS, et al. **Br J Radiol** 1985 Jun;58(690):495–7
Intrahepatic bile duct dilatation shown by computed tomography—predilection for the left lobe? Buxton-Thomas M, et al. **Br J Radiol** 1985 Jun; 58(690):499–502
Computed tomographic and pathological findings in pulmonary alveolar microlithiasis. Chalmers AG, et al. **Br J Radiol** 1986 Apr;59(700):408–11
Diagnosis of spontaneous aorto-caval fistula by computed tomography. Clements R, et al. **Br J Radiol** 1986 Apr; 59(700):403–4
Who has most epidural fat? Information from computed tomography. Dixon AK. **Br J Radiol** 1986 May; 59(701):475–80
The role of CT in the staging and radiotherapy planning of prostatic tumours. Dobbs HJ, et al. **Br J Radiol** 1985 May;58(689):429–36
Detection of Toxocara by computed tomography. Dupas B, et al. **Br J Radiol** 1986 May;59(701):518–9
Computed tomography and ultrasound of a urachal cancer. Fitzgerald EJ, et al. **Br J Radiol** 1985 Jan;58(685):88–90
Patient absorbed dose for Philips Tomoscan 300 CT scanner. Jones KR, et al. **Br J Radiol** 1985 Apr;58(688):365–7
Diagnosis of a right iliac fossa mass by computed tomography. McLaughlin SJ, et al. **Br J Radiol** 1986 Jun; 59(702):623–4
CT appearance of mycotic aneurysms of the intrapulmonary arteries in the right lung. Mootoosamy IM, et al. **Br J Radiol** 1985 Jan;58(685):85–6
Accuracy of radiological staging procedures in non-seminomatous testis cancer compared with findings from surgical exploration and histopathological studies of extirpated tissue. Samuelsson L, et al. **Br J Radiol** 1986 Feb;59(698):131–4
Ultrasound and CT in renal parenchymal malakoplakia: report of a case with previous xanthogranulomatous pyelonephritis. Shaw PJ, et al. **Br J Radiol** 1985 Feb; 58(686):175–8
Mycotic aneurysm of the renal artery: CT appearance. Stavas JM, et al. **Br J Radiol** 1986 Apr;59(700):401–3
Intramuscular haemangioma of the extremities: is computerized tomography useful? Christenson JT, et al. **Br J Surg** 1985 Sep;72(9):748–50
Intrarectal ultrasound and computed tomography in the pre- and postoperative assessment of patients with rectal cancer. Romano G, et al. **Br J Surg** 1985 Sep;72 Suppl:S117–9
Comparison of dynamic computed tomography, diuresis renography and DTPA parenchymal transit time in the assessment of dilatation of the upper urinary tract. Neal DE, et al. **Br J Urol** 1985 Oct;57(5):515–9
Who needs a CT brain scan? [editorial] Ashworth B. **Br Med J [Clin Res]** 1986 Mar 29;292(6524):845–6
Acute fatty liver of pregnancy and diagnosis by computed tomography. McKee CM, et al. **Br Med J [Clin Res]** 1986 Feb 1;292(6516):291–2
Role of computed tomography in assessing 'operability' of bronchial carcinoma [letter] Milroy R, et al. **Br Med J [Clin Res]** 1986 Mar 15;292(6522):763
CT-scanning of skeletal muscle in arthrogryposis multiplex congenita. Roscam Abbing PJ, et al. **Brain Dev** 1985; 7(5):484–91
Anatomoclinical correlations of the aphasias as defined through computerized tomography: exceptions. Basso A, et al. **Brain Lang** 1985 Nov;26(2):201–29
Imaging of occult pulmonary metastases: state of the art. Wellner LJ, et al. **CA** 1986 Jan–Feb;36(1):48–58
Imaging for anaesthetists: a review of the methods and anaesthetic implications of diagnostic imaging techniques. Weston G, et al. **Can Anaesth Soc J** 1985 Sep;32(5):552–61
Computerized tomography scan findings in children with acute lymphocytic leukemia treated with three different methods of central nervous system prophylaxis. Brecher ML, et al. **Cancer** 1985 Nov 15;56(10):2430–3
Serum CA 19–9 concentrations and computed tomography findings in patients with pancreatic carcinoma. Sakahara H, et al. **Cancer** 1986 Apr 1;57(7):1324–6
Computed tomographic examination of the heart. Isner JM. **Cardiol Clin** 1984 Nov;2(4):531–53
Aortic dissection following coronary artery bypass surgery: diagnosis by CT. Archer AG, et al. **Cardiovasc Intervent Radiol** 1986;9(3):142–5
Use of CT in the evaluation of primary cardiac tumors. Chaloupka JC, et al. **Cardiovasc Intervent Radiol** 1986; 9(3):132–5
Computed tomographic evaluation of compression of the superior vena cava and its tributaries. Tatu WF, et al. **Cardiovasc Intervent Radiol** 1985;8(2):89–99
Computed tomography in aortobifemoral Y grafts. Tuchmann A, et al. **Cardiovasc Intervent Radiol** 1985; 8(4):187–90
Correlative anatomy, pathology and imaging (lung cancer). **Chest** 1986 Apr;89(4 Suppl):318S–323S
The diagnosis of peripheral nodules. **Chest** 1986 Apr;89(4 Suppl):327S–331S
Pleural lipoma. Diagnosis by computed tomography. Epler GR, et al. **Chest** 1986 Aug;90(2):265–8
The role of computed tomography in the diagnosis and management of lung cancer. An overview. Heitzman ER. **Chest** 1986 Apr;89(4 Suppl):237S–241S (27 ref.)
Computed tomography appearance of a right cervical aortic arch. Schiebler ML, et al. **Chest** 1986 Sep;90(3):439–40
Measurement of pulmonary density by means of X-ray computerized tomography. Relation to pulmonary mechanics in normal subjects. Wollmer P, et al. **Chest** 1986 Sep;90(3):387–91
Cushing's disease: pituitary microadenoma demonstrated by high resolution computed tomography with thin slices. Ikemoto Y, et al. **Childs Nerv Syst** 1985;1(3):182–4
Computed tomography in ovarian carcinoma. Zheng GL, et al. **Chin Med J [Engl]** 1985 Sep;98(9):633–7
Cardiovascular metabolic imaging: physiologic and biochemical dynamics in vivo. Bethesda, Maryland, September 16 to 18, 1984. **Circulation** 1985 Nov;72(5 Pt 2):IV1–171
Determination of left ventricular mass in dogs with rapid-acquisition cardiac computed tomographic scanning. Feiring AJ, et al. **Circulation** 1985 Dec;72(6):1355–64
Computed tomography of the thorax. O'Donovan PB, et al. **Cleve Clin Q** 1985 Winter;52(4):541–8 (37 ref.)
Magnetic resonance imaging vs. computed tomography: advantages and disadvantages. Earnest F 4th, et al. **Clin Neurosurg** 1985;32:540–73 (20 ref.)
The investigation of hydrocephalus by computed tomography. McLone DG, et al. **Clin Neurosurg** 1985; 32:527–39 (32 ref.)
Extramedullary hematopoiesis. Demonstration by transmission and emission computed tomography. Parker LA, et al. **Clin Nucl Med** 1986 Jan;11(1):1–3
Diagnosis of tarsal coalition with computed tomography. Pineda C, et al. **Clin Orthop** 1986 Jul;(208):282–8
Computed tomography of extraosseous ganglia. Present DA, et al. **Clin Orthop** 1986 Jan;(202):249–53
Glenohumeral osteometry by computed tomography in normal and unstable shoulders. Randelli M, et al. **Clin Orthop** 1986 Jul;(208):151–6
The evaluation of patellofemoral pain using computerized tomography. A preliminary study. Schutzer SF, et al. **Clin Orthop** 1986 Mar;(204):286–93
Clinical application of computerized axial tomography (CAT) scanning of calcaneus fractures. Segal D, et al. **Clin Orthop** 1985 Oct;(199):114–23
Magnetic resonance imaging of osteosarcomas. Comparison with computed tomography. Zimmer WD, et al. **Clin Orthop** 1986 Jul;(208):289–99
Normal values for trabecular and cortical bone in the radius measured by computed tomography. Hesp R, et al. **Clin Phys Physiol Meas** 1985 Nov;6(4):303–10
Computed tomography of head and neck malignancies. Krol G, et al. **Clin Plast Surg** 1986 Jul;13(3):475–91 (46 ref.)
Computed tomography—its principles and application to the diagnosis of facial fractures. Rothaus KO, et al. **Clin Plast Surg** 1986 Jul;13(3):433–40
The role of computed tomography in the assessment and treatment of acetabular fractures. Adam P, et al. **Clin Radiol** 1985 Jan;36(1):13–8
Surface enhancement of the brain. Burrows EH. **Clin Radiol** 1985 May;36(3):233–9
Assessment by computed tomography of the response of pituitary macroadenomas to bromocriptine. Chakera TM, et al. **Clin Radiol** 1985 May;36(3):223–6
Computed tomographic appearances and clinical features of prolactin-secreting pituitary adenomas in young male patients. Daunt N, et al. **Clin Radiol** 1985 May;36(3):227–31
Computed tomography of axillary and supraclavicular adenopathy. Goldberg RP, et al. **Clin Radiol** 1985 Nov; 36(6):593–6
Ultrasound and computed tomography of the infant brain: a clinical comparison. Lipinski JK, et al. **Clin Radiol** 1986 Jul;37(4):365–9
Computed tomography in spinal trauma. Lynch D, et al. **Clin Radiol** 1986 Jan;37(1):71–6

Computed tomography in spinal trauma [letter] Morcos SK, et al. **Clin Radiol** 1986 Jul;37(4):413
How useful is computed tomography in the diagnosis and assessment of bronchiectasis? Phillips MS, et al. **Clin Radiol** 1986 Jul;37(4):321–5
Examination of the temporomandibular joint by direct sagittal computed tomography. Raustia AM, et al. **Clin Radiol** 1985 May;36(3):291–6
An analysis of the contribution of computed tomography to the treatment outcome in bladder cancer. Rothwell RI, et al. **Clin Radiol** 1985 Jul;36(4):369–72
The vestibular aqueduct syndrome: computed tomographic appearance. Swartz JD, et al. **Clin Radiol** 1985 May; 36(3):241–3
High-resolution computed tomography in pituitary microadenoma: is seeing believing? Teasdale E, et al. **Clin Radiol** 1986 May;37(3):227–32
Computed tomography and ultrasonography of hepatoma. Teefey SA, et al. **Clin Radiol** 1986 Jul;37(4):339–45
The value of skull radiography in children with intracranial tumours. Wells SK. **Clin Radiol** 1985 May;36(3):253–5
Early changes of Pneumocystis pneumonia: should one use computed tomography as the chest is not really specific [letter] Wright FW. **Clin Radiol** 1986 May;37(3):302
Sciatic neuropathy at the popliteal fossa: clinical, ultrasonographic and computed tomographic diagnosis. Esselinckx W, et al. **Clin Rheumatol** 1986 Jan;5(1):107–11
Importance of metrizamide CT for evaluation of the thoracic spine. Azar-Kia B, et al. **Comput Radiol** 1985 Jul–Aug; 9(4):233–41
The radiation dose to patients from the Philips CT scanner. Badcock PC. **Comput Radiol** 1985 Jul–Aug;9(4):265–7
Computed tomography of acute renal abscess due to Salmonella chester. Borrero GO, et al. **Comput Radiol** 1986 Jan–Feb;10(1):41–4
Arteriographic and tomodensitometric pictures in three cases of popliteal artery entrapment. Calò M, et al. **Comput Radiol** 1985 Sep–Oct;9(5):325–9
Use of meglumine iotroxate in the detection of liver tumors by computed tomography. Hosoki T, et al. **Comput Radiol** 1985 Nov–Dec;9(6):387–93
Computed tomography of renal oncocytomas. Jasinski RW, et al. **Comput Radiol** 1985 Sep–Oct;9(5):307–14
Simulation of CT reconstruction artifacts associated with multiple-rotation fan-beam data collection. Jelinek J, et al. **Comput Radiol** 1986 Jan–Feb;10(1):23–36
Cerebral blood flow and brain atrophy correlated by xenon contrast CT scanning. Kitagawa Y, et al. **Comput Radiol** 1985 Nov–Dec;9(6):331–40
Hemangioendothelial sarcoma of the sacrum: CT findings. Lee S. **Comput Radiol** 1986 Jan–Feb;10(1):51–3
Calcified mucinous adenocarcinoma of the stomach—the CT appearances. Libson E, et al. **Comput Radiol** 1985 Jul–Aug; 9(4):255–8
Retrocaval lymphadenopathy mimicking tumor thrombus in the inferior vena cava. Ling D, et al. **Comput Radiol** 1985 Nov–Dec;9(6):373–6
Kartagener's syndrome seen on CT. Newmark H 3d, et al. **Comput Radiol** 1985 Sep–Oct;9(5):279–81
Vas deferens calcification seen on computerized tomography. Newmark H 3d, et al. **Comput Radiol** 1985 Nov–Dec; 9(6):377–8
Multiplanar CT in the evaluation of degenerative spondylolisthesis. A review of 150 cases. Rothman SL, et al. **Comput Radiol** 1985 Jul–Aug;9(4):223–32
Primary CT diagnosis of gastrointestinal masses. Rousso I, et al. **Comput Radiol** 1985 Jul–Aug;9(4):259–63
Computed tomographic evaluation of surgical clip artifact: tissue phantom and experimental animal assessment. Silverman PM, et al. **Comput Radiol** 1986 Jan–Feb; 10(1):37–40
Computed tomography of the normal seminal vesicles. Silverman PM, et al. **Comput Radiol** 1985 Nov–Dec; 9(6):379–85
Abdominal wall CT: a pictorial essay. Stamm ER, et al. **Comput Radiol** 1985 Sep–Oct;9(5):271–8
Intradural herniation of thoracic disc: CT metrizamide myelography. Wang AM, et al. **Comput Radiol** 1986 Mar–Jun;10(2–3):115–8
The cranial computed tomographic findings in patients with neurologic manifestations of systemic lupus erythematosus. Weisberg LA. **Comput Radiol** 1986 Jan–Feb;10(1):63–8
Computerized tomographic abnormalities in patients with transient episodes of focal neurological dysfunction. Weisberg LA, et al. **Comput Radiol** 1985 Jul–Aug; 9(4):247–54
Computerized tomographic findings in intracranial metastatic malignant melanoma. Weisberg LA. **Comput Radiol** 1985 Nov–Dec;9(6):365–72
Computed angiotomography of the brain: normal and normal variations of cerebral vessels. Yamamoto Y, et al. **Comput Radiol** 1986 Mar–Jun;10(2–3):71–86
Septic thrombosis of the inferior caval vein detected with the aid of computed tomography. Bureš J, et al. **Cor Vasa** 1985;27(4):319–22
Unexpected CT-scan findings in global aphasia. Vignolo LA, et al. **Cortex** 1986 Mar;22(1):55–69
Artifacts and pitfalls of high-resolution CT scans. Hahn FJ, et al. **CRC Crit Rev Diagn Imaging** 1985;25(1):61–77
Nodes or no nodes: CT of adenopathy. Morehouse HT, et al. **CRC Crit Rev Diagn Imaging** 1986;25(2):177–207 (50 ref.)
Computed tomography of the superior vena cava. Raptopoulos V. **CRC Crit Rev Diagn Imaging** 1986; 25(4):373–429 (130 ref.)
Estimation of the volume of lung below the left atrium using computed tomography. Friedman PJ, et al. **Crit Care Med** 1986 Mar;14(3):182–7
Computed tomography for diagnosis of tracheoesophageal fistula. Leeds WM, et al. **Crit Care Med** 1986 Jun; 14(6):591–2
Vertebra plana: a case report describing the first use of CT in this condition. Castro R. **Del Med J** 1985 Dec; 57(12):761–4
CAD-CAM multiplanar diagnostic imaging for subperiosteal implants. Golec TS. **Dent Clin North Am** 1986 Jan; 30(1):85–95
Intracranial pressure monitoring in tuberculous meningitis: clinical and computerized tomographic correlation. Schoeman JF, et al. **Dev Med Child Neurol** 1985 Oct; 27(5):644–54
Relationship of fat distribution to glucose tolerance. Results of computed tomography in male participants of the Normative Aging Study. Sparrow D, et al. **Diabetes** 1986 Apr;35(4):411–5
CT-guided stereotactic biopsy of intracranial lesions: correlation between core biopsy and aspiration smear. Fratkin JD, et al. **Diagn Cytopathol** 1986 Apr–Jun; 2(2):126–32
Some anatomical variants and pitfalls in computed tomography of the trachea and mainstem bronchi. I. Mucoid pseudotumors. Westra D, et al. **Diagn Imag Clin Med** 1985;54(5):229–39
Some anatomical variants and pitfalls in computed tomography of the trachea and mainstem bronchi. II. Compression or anatomical variants? Westra D, et al. **Diagn Imag Clin Med** 1985;54(6):285–97
A lay person's introduction to computed tomography. Coleman S. **Dimens Health Serv** 1986 Mar;63(2):12, 14
Preoperative staging of rectal carcinoma by computed tomography and 0.15T magnetic resonance imaging. Preliminary report. Hodgman CG, et al. **Dis Colon Rectum** 1986 Jul;29(7):446–50
CT-scan and intraocular tumours: detection and assessment of size and extrascleral growth of uveal melanomas. de Keizer RJ, et al. **Doc Ophthalmol** 1986 Jan 15; 61(3–4):285–94
Occasional survey: ultrasound and C.T. scanning. Palmer PE. **East Afr Med J** 1986 Feb;63(2):140–4
The blink reflex, clinical observation upon the late response R2, combination study with CT., TVR (tonic vibration reflex) and SEP. Ioku M, et al. **Electromyogr Clin Neurophysiol** 1986 Mar–Apr; 26(2):137–46
CT scan in psychiatry. A review of the literature. Ghanem MH. **Encephale** 1986 Jan–Feb;12(1):3–12 (91 ref.)
Localization by computer tomography of a primary lesion in a patient with generalized neoplastic process (case report of a patient with adrenal cortex carcinoma with feminization). Baranowska B, et al. **Endokrynol Pol** 1985; 36(6):349–55
Remodeling of trabecular bone at the proximal tibia after total knee replacement. A CT-scan study. Hvid I, et al. **Eng Med** 1986 Apr;15(2):89–93
Magnetic resonance and CT imaging of diastematomyelia. Hülser PJ, et al. **Eur Arch Psychiatry Neurol Sci** 1985; 235(2):107–9
Computerized tomography (CT) semeiotics in the presurgical evaluation of gynaecological neoplasias. Michelassi PL, et al. **Eur J Gynaecol Oncol** 1985;6(3):204–10
Computertomographic diagnosis and follow-up studies of bone and soft tissue tumours of the thoracic wall. Crone-Münzebrock W, et al. **Eur J Radiol** 1985 Nov; 5(4):247–51
MR imaging of extracranial hematomas: comparison with CT. Dooms GC, et al. **Eur J Radiol** 1986 Feb;6(1):30–5
CT diagnosis of adrenal abnormalities in patients with primary non-adrenal malignancies. Hussain S, et al. **Eur J Radiol** 1986 May;6(2):127–31
Schwannoma of the trachea. Ikezoe J, et al. **Eur J Radiol** 1986 Feb;6(1):65–6
Observer variation in bone lesion detection in thoraco-abdominal visceral CT images. Laval-Jeantet M, et al. **Eur J Radiol** 1985 Nov;5(4):310–2
Pancreatic pseudocyst of the mediastinum. Evaluation by CT. Maier W, et al. **Eur J Radiol** 1986 Feb;6(1):70–2
CT evaluation of osseous tumors. Rotte KH, et al. **Eur J Radiol** 1986 Feb;6(1):5–8
Significance of extrapancreatic findings in computed tomography (CT) of acute pancreatitis. Schröder T, et al. **Eur J Radiol** 1985 Nov;5(4):273–5
Subcapsular liver metastasis in ovarian cancer. Computed tomography and surgical staging. Triller J, et al. **Eur J Radiol** 1985 Nov;5(4):261–6
CT diagnosis of larynx chondrosarcoma. van Holsbeeck MT, et al. **Eur J Radiol** 1985 Nov;5(4):297–9
CT features of cardio-pericardial masses. Vasile N, et al. **Eur J Radiol** 1986 Feb;6(1):21–3
Secondary cerebral amebiasis due to infection with Entamoeba histolytica. A case report with computer tomographic findings. Schmutzhard E, et al. **Eur Neurol** 1986;25(3):161–5
Blood distribution in computer cranial tomograms after subarachnoid hemorrhage with and without an aneurysm on angiography. Stober T, et al. **Eur Neurol** 1985; 24(5):319–23
Cerebellar infarction—clinical and cranial computerized tomography correlations. Swiontoniowski M, et al. **Eur Neurol** 1985;24(5):338–42
Pancreatic blood flow and contrast enhancement in computed tomography during experimental pancreatitis. Schröder T, et al. **Eur Surg Res** 1985;17(5):286–91
Computerized tomographic analysis of acute calcaneal fractures. Gilmer PW, et al. **Foot Ankle** 1986 Feb; 6(4):184–93
Computerized tomography of talocalcaneal tarsal coalition: a clinical and anatomic study. Herzenberg JE, et al. **Foot Ankle** 1986 Jun;6(6):273–88
Three-dimensional imaging of the ankle joint from computerized tomography. Woolson ST, et al. **Foot Ankle** 1985 Aug;6(1):2–6
Gastric varices appearing as intraluminal masses on computed transaxial tomography. Baer JW, et al. **Gastrointest Radiol** 1985;10(4):345–6
Role of CT in diagnosis and management of complications of diverticular disease. Feldberg MA, et al. **Gastrointest Radiol** 1985;10(4):370–7
Hepatic abscesses in the immunocompromised patient: role of CT in detection, diagnosis, management, and follow-up. Francis IR, et al. **Gastrointest Radiol** 1986;11(3):257–62
CT demonstration of gastrointestinal involvement in Henoch-Schonlein syndrome. Siskind BN, et al. **Gastrointest Radiol** 1985;10(4):352–4
Computed tomography of adult ileocolic intussusception. Skaane P, et al. **Gastrointest Radiol** 1985;10(4):355–7
Guide to CAT scanning in hospital psychiatry. Overview of clinical practice and criteria for use. Goodstein RK. **Gen Hosp Psychiatry** 1985 Oct;7(4):367–76 (60 ref.)
High resolution computed tomography: Part 6. Craniofacial Paget's disease and fibrous dysplasia. Swartz JD, et al. **Head Neck Surg** 1985 Sep–Oct;8(1):40–7
The diagnostic value of high resolution computerized tomography in post-traumatic head pain patients. Tilds BN, et al. **Headache** 1986 Mar;26(3):117–21
Computed tomographic and sonographic characterizations of central nervous system masses. Madrazo BL, et al. **Henry Ford Hosp Med J** 1985;33(2–3):69–73
Exocrine pancreatic function in correlation to ductal and parenchymal morphology in chronic pancreatitis. Malfertheiner P, et al. **Hepatogastroenterology** 1986 Jun; 33(3):110–4
Prospects for computerized tomography in brain research with particular reference to the epileptic syndrome. Dyskin DE. **Hum Physiol** 1986 Jan–Feb;12(1):73–7
Malignant pericardial effusion. Vijayakumar S. **IMJ** 1986 Apr;169(4):228–31
EMI scan in the management of orbital disease. Boparai MS, et al. **Indian J Ophthalmol** 1984 Sep–Oct;32(5):359–63
Leukaemic infiltration of the optic nerve demonstration by computerized orbital tomography. Misra M, et al. **Indian J Ophthalmol** 1985 Mar–Apr;33(2):135–7
Computed tomography (CT) scan in mentally retarded children. Patel PJ, et al. **Indian Pediatr** 1985 Nov; 22(11):845–7
Computerised tomography in cerebral cysticercosis. Tandon SC, et al. **Indian Pediatr** 1986 Feb;23(2):143–6
Computerized tomography of spinal trauma and degenerative disease. Yeakley J, et al. **Instr Course Lect** 1985;34:85–97
Percutaneous chemical lumbar sympathectomy with alcohol with computed tomography control. Zagzag D, et al. **Int Angiol** 1986 Apr–Jun;5(2):83–6
Variances in delta activity in patients with brain tumor in each sleep stage-with special reference to computerized topographic display of delta activity and CT scan. Matsuoka S, et al. **Int J Neurol** 1981;15(1–2):97–107
Adipose tissue volume determinations in women by computed tomography: technical considerations. Kvist H, et al. **Int J Obes** 1986;10(1):53–67
Dosimetry of CT-guided volumetric IR-192 brain implant. Abrath FG, et al. **Int J Radiat Oncol Biol Phys** 1986 Mar; 12(3):359–63
Maxillary squamous cell carcinomas staged by computed tomography. Kondo M, et al. **Int J Radiat Oncol Biol Phys** 1986 Jan;12(1):111–6
Value of computed tomography in staging the primary lesion (T-staging) of nasopharyngeal carcinoma (NPC): an analysis of 54 patients with special reference to the parapharyngeal space. Yu ZH, et al. **Int J Radiat Oncol Biol Phys** 1985 Dec;11(12):2143–7
Morphological response to positive end expiratory pressure in acute respiratory failure. Computerized tomography study. Gattinoni L, et al. **Intensive Care Med** 1986; 12(3):137–42
Comparison of diatrizoate, iopamidol, and ioxaglate for the contrast enhancement of experimental hepatic tumors in CT. Burgener FA, et al. **Invest Radiol** 1985 Sep; 20(6):626–31
Computed tomographic evaluation of non-metallic middle-ear prostheses. Chakeres DW, et al. **Invest Radiol** 1985 Sep;20(6):596–600
The spleen in Hodgkin disease: diagnostic value of CT. Gilbert T, et al. **Invest Radiol** 1986 May;21(5):437–9
Simultaneous measurements of cerebral blood flow by the xenon/CT method and the microsphere method. A comparison. Gur D, et al. **Invest Radiol** 1985 Oct; 20(7):672–7

Flow determination using computed tomography: application to aortic dissection. Part II. Guthaner DF, et al. **Invest Radiol** 1985 Oct;20(7):682–6
Flow determination using computed tomography: application to aortic dissection. Part I. Guthaner DF, et al. **Invest Radiol** 1985 Oct;20(7):678–81
CT differentiation of pleural effusion from ascites. An evaluation of four signs using blinded analysis of 52 cases. Halvorsen RA, et al. **Invest Radiol** 1986 May;21(5):391–5
Comparison of CT and MR in 400 patients with suspected disease of the brain and cervical spinal cord. Hillman BJ. **Invest Radiol** 1986 Mar;21(3):289–92
Contrast media for CT. An analysis of the early pharmacokinetics. Jensen LI, et al. **Invest Radiol** 1985 Nov; 20(8):867–70
Contrast enhancement of the liver and blood. Nonionic versus ionic contrast media in the pig. Jensen LI, et al. **Invest Radiol** 1985 Dec;20(9):989–94
Marked disparity between trabecular and cortical bone loss with age in healthy men [letter] Jensen PS. **Invest Radiol** 1986 Feb;21(2):187–8
CT of obstructive lobar collapse. Khoury MB, et al. **Invest Radiol** 1985 Oct;20(7):708–16
Low-dose transaxial tomography. An alternative to computed tomography for the evaluation of anteversion of the femur during childhood. Kushner DC, et al. **Invest Radiol** 1985 Dec;20(9):978–82
CT of pancreas transplantation. Maile CW, et al. **Invest Radiol** 1985 Sep;20(6):609–12
Extracalvarial soft tissues in cranial computed tomography. Normal anatomy and pathology. Ruff RJ, et al. **Invest Radiol** 1985 Jul;20(4):374–80
Plantar compartmental infection in the diabetic foot. The role of computed tomography. Sartoris DJ, et al. **Invest Radiol** 1985 Nov;20(8):772–84
Abnormal body fat distribution detected by computed tomography in diabetic men. Shuman WP, et al. **Invest Radiol** 1986 Jun;21(6):483–7
Digital radiographic evaluation of the bile ducts. Thompson WM, et al. **Invest Radiol** 1985 Dec;20(9):956–60
Measurement of lung gas volume and regional density by computed tomography in dogs. Wandtke JC, et al. **Invest Radiol** 1986 Feb;21(2):108–17
Computed tomography in advanced ovarian cancer. Inter- and intraobserver reliability. Warde P, et al. **Invest Radiol** 1986 Jan;21(1):31–3
Computed tomographic diagnosis of acute hemopericardium following myocardial infarction. Hirsch M, et al. **Isr J Med Sci** 1986 Jan;22(1):48–50
Computerised tomography in the investigation of scapulohumeral instability. Gambrioli PL, et al. **Ital J Orthop Traumatol** 1985 Jun;11(2):223–32
Brain impairment in child psychiatric disorders: correspondencies between neuropsychological and CT scan results. Tramontana MG, et al. **J Am Acad Child Psychiatry** 1985 Sep;24(5):590–6
Cine computed tomographic evaluation of aortocoronary bypass graft patency. Bateman TM, et al. **J Am Coll Cardiol** 1986 Sep;8(3):693–8
Quantitation of regional myocardial function by cine computed tomography: pharmacologic changes in wall thickness. Lanzer P, et al. **J Am Coll Cardiol** 1986 Sep; 8(3):682–92
Quantitation of shunting at the atrial level using rapid acquisition computed tomography with comparison with cardiac catheterization. MacMillan RM, et al. **J Am Coll Cardiol** 1986 Apr;7(4):946–8
Computed tomography of the foot and ankle. Principles and applications. Huff HR, et al. **J Am Podiatr Med Assoc** 1986 Jul;76(7):375–9
Computerized tomography as a diagnostic aid in a middle facet talocalcaneal coalition. Migliori V, et al. **J Am Podiatr Med Assoc** 1985 Sep;75(9):490–2
CT study of a case of duplicature of the inferior vena cava. Darras T. **J Belge Radiol** 1985;68(6):440–1
Computed tomography of a renal hydatid cyst. Darras TP, et al. **J Belge Radiol** 1985;68(4):283–5
Comparison of computed tomography and conventional tomograms in the evaluation of sacroiliitis. De Somer F, et al. **J Belge Radiol** 1985;68(5):351–4
CT of fat masses in multiple asymmetrical lipomatosis. Fiore D, et al. **J Belge Radiol** 1986;69(2):105–7
CT guidelines for the identification of the anomalies of the caval venous system. Pistolesi GF, et al. **J Belge Radiol** 1985;68(5):329–40
Isodense liver metastasis on CT: importance of "the hump sign". Rigaux A, et al. **J Belge Radiol** 1985;68(6):425–6
Diagnostic evaluation of lumbo-sacral lipomas by CT and radiculosaccography. Report of 2 cases and review of the literature. Stadnik T, et al. **J Belge Radiol** 1986;69(2):87–90
CT signs of Crohn's disease. Usewils R, et al. **J Belge Radiol** 1986;69(3):151–5
Comparison of conventional radiography and computed tomography in the evaluation of spiral fractures of the tibia [letter] **J Bone Joint Surg [Am]** 1986 Jun;68(5):790–1
A comparison of conventional radiography and computed tomography in the evaluation of spiral fractures of the tibia. Gershuni DH, et al. **J Bone Joint Surg [Am]** 1985 Dec; 67(9):1388–95
Psoas abscess mimicking a septic hip. Diagnosis by computed tomography. Perry J, et al. **J Bone Joint Surg [Am]** 1985 Oct;67(8):1281–3
Intrapetrous intracavernous fusiform aneurysm of the internal carotid artery. Blom RJ. **J Can Assoc Radiol** 1985 Dec; 36(4):337–40
Computed tomography used to exclude pneumothorax in bullous lung disease. Bourgouin P, et al. **J Can Assoc Radiol** 1985 Dec;36(4):341–2
Hibernoma: a patient examined by CT. Coblentz C, et al. **J Can Assoc Radiol** 1986 Jun;37(2):110–1
Computed tomography in osteochondritis dissecans of the patella. Howie JL. **J Can Assoc Radiol** 1985 Sep;36(3):197–9
Computed tomography of the bony pelvis: a protocol for multiplanar imaging. Part II: Trauma. Howie JL. **J Can Assoc Radiol** 1985 Dec;36(4):287–95
Computed tomography of the bony pelvis: a protocol for multiplanar imaging. Part I: Normal anatomy. Howie JL. **J Can Assoc Radiol** 1985 Dec;36(4):278–86
Cystic fibrosis: a comparison of computed tomography and plain chest radiographs. Jacobsen LE, et al. **J Can Assoc Radiol** 1986 Mar;37(1):17–21
Septic arthritis of the hip joint: sonographic and CT findings. Lopez M, et al. **J Can Assoc Radiol** 1985 Dec;36(4):322–4
CT guided percutaneous decompression of a rectal duplication cyst in a child. Ramsewak W, et al. **J Can Assoc Radiol** 1986 Mar;37(1):46–7
Intravenous contrast medium and renal cyst. Rawas M, et al. **J Can Assoc Radiol** 1985 Dec;36(4):301–3
A technique for multiplanar reformation and three-dimensional analysis of computed tomographic data: application to adult hip disease. Sartoris DJ, et al. **J Can Assoc Radiol** 1986 Jun;37(2):69–72
Subependymal metastases of an extracranial malignancy. Spiegel S, et al. **J Can Assoc Radiol** 1985 Dec;36(4):334–6
CT of myeloma involving the skull base. Willinsky RA, et al. **J Can Assoc Radiol** 1985 Dec;36(4):328–31
Correlative study of the computed tomographic, ultrasonographic, and pathological characteristics of cavernous versus capillary hemangiomas of the orbit. Sklar EL, et al. **J Clin Neuro Ophthalmol** 1986 Mar;6(1):14–21
Neurologic, neuropsychologic, and computed cranial tomography scan abnormalities in 2- to 10-year survivors of small-cell lung cancer. Johnson BE, et al. **J Clin Oncol** 1985 Dec;3(12):1659–67
The use of computed tomography of the spine to identify patients at high risk for epidural metastases. Weissman DE, et al. **J Clin Oncol** 1985 Nov;3(11):1541–4
EEG and CT scan in Alzheimer's disease [letter] Agbayewa MO. **J Clin Psychiatry** 1986 Apr;47(4):217–8
Koro: computed tomography and brain electrical activity mapping in two patients. Joseph AB. **J Clin Psychiatry** 1986 Aug;47(8):430–2
Os supra-petrosum of Meckel: CT appearance. Alemdaroğlu A. **J Comput Assist Tomogr** 1986 Jan–Feb;10(1):164–5
Perforation of distal esophagus with lesser sac extension: CT demonstration. Allen KS, et al. **J Comput Assist Tomogr** 1986 Jul–Aug;10(4):612–4
CT appearance of hemangiopericytoma. Alpern MB, et al. **J Comput Assist Tomogr** 1986 Mar–Apr;10(2):264–7
CT appearance of the diaphragm varying with respiratory phase and muscular tension. Anda S, et al. **J Comput Assist Tomogr** 1986 Sep–Oct;10(5):744–5
Computed tomography of bronchial carcinoid. Aronchick JM, et al. **J Comput Assist Tomogr** 1986 Jan–Feb;10(1):71–4
Modified method of spinal computed tomography for trabecular bone mineral measurements. Banks LM, et al. **J Comput Assist Tomogr** 1986 May–Jun;10(3):463–7
Persistence of the cardinal veins and thrombosis: CT demonstration. Barack BM. **J Comput Assist Tomogr** 1986 Mar–Apr;10(2):327–8
CT findings in tuberculous mediastinitis. Barnett SM. **J Comput Assist Tomogr** 1986 Jan–Feb;10(1):165–6
CT evaluation of patients undergoing transhiatal esophagectomy for cancer. Becker CD, et al. **J Comput Assist Tomogr** 1986 Jul–Aug;10(4):607–11
CT demonstration of empyema necessitatis. Bhatt GM, et al. **J Comput Assist Tomogr** 1985 Nov–Dec;9(6):1108–9
CT appearance of cervical lipoblastoma. Black WC, et al. **J Comput Assist Tomogr** 1986 Jul–Aug;10(4):696–8
Comparison of MR relaxation times and X-ray attenuation coefficients of focal brain lesions. Borrello JA, et al. **J Comput Assist Tomogr** 1985 Nov–Dec;9(6):1062–4
Bronchogenic cavoatrial tumor thrombus: CT demonstration. Borts FT, et al. **J Comput Assist Tomogr** 1985 Nov–Dec; 9(6):1115–7
CT demonstration of spontaneous extrusion of staghorn calculus. Breatnach E, et al. **J Comput Assist Tomogr** 1986 Mar–Apr;10(2):346–8
Computed tomography of infected epiglottic cyst. Casselman J, et al. **J Comput Assist Tomogr** 1986 Jul–Aug;10(4):694–5
CT features of presacral mass: an unusual focus of extramedullary hematopoiesis. Chao PW, et al. **J Comput Assist Tomogr** 1986 Jul–Aug;10(4):684–5
Superior pericardial recess simulating aortic dissection on computed tomography. Chiles C, et al. **J Comput Assist Tomogr** 1986 May–Jun;10(3):421–3
Computed tomography of omental pathology. Cooper C, et al. **J Comput Assist Tomogr** 1986 Jan–Feb;10(1):62–6
CT demonstration of fistula between esophageal carcinoma and spinal canal. Cornwell J, et al. **J Comput Assist Tomogr** 1986 Sep–Oct;10(5):871–3
CT demonstration of pulmonary effects of tangential beam radiation. Coscina WF, et al. **J Comput Assist Tomogr** 1986 Jul–Aug;10(4):600–2
CT diagnosis of villous adenoma. Coscina WF, et al. **J Comput Assist Tomogr** 1986 Sep–Oct;10(5):764–6
CT characteristics of cervical mucocele mimicking a cystic adnexal mass. Coscina WF, et al. **J Comput Assist Tomogr** 1986 Mar–Apr;10(2):352–3
Extrusion of bone graft after lumbar fusion: CT appearance. Coughlan JD. **J Comput Assist Tomogr** 1986 May–Jun; 10(3):399–400
Traumatic pulmonary artery aneurysm: CT evaluation. Crivello MS, et al. **J Comput Assist Tomogr** 1986 May–Jun; 10(3):503–5
Cerebral computed tomography in uremic and hemodialyzed patients. Cusmano F, et al. **J Comput Assist Tomogr** 1986 Jul–Aug;10(4):567–70
Computed tomography of a cerebellopontine angle lipoma. Dalley RW, et al. **J Comput Assist Tomogr** 1986 Jul–Aug; 10(4):704–6
Computed tomography of anterior inferior cerebellar artery aneurysm mimicking an acoustic neuroma. Dalley RW, et al. **J Comput Assist Tomogr** 1986 Sep–Oct;10(5):881–4
Epiploic appendicitis: CT characteristics. Danielson K, et al. **J Comput Assist Tomogr** 1986 Jan–Feb;10(1):142–3
Evolution of a mural thrombus in false aneurysm: CT demonstration. Danza FM, et al. **J Comput Assist Tomogr** 1986 Jan–Feb;10(1):126–9
Computed tomography of vaginal cuff cyst: a late complication of hysterectomy. Davis MC, et al. **J Comput Assist Tomogr** 1986 Mar–Apr;10(2):354–6
CT demonstration of a traumatic aneurysm of the pulmonary artery. Daykin EL, et al. **J Comput Assist Tomogr** 1986 Mar–Apr;10(2):323–4
Computed tomography of emphysematous gastritis. de Lange EE, et al. **J Comput Assist Tomogr** 1986 Jan–Feb; 10(1):139–41
Aneurysm of intrapetrous carotid artery: CT and angiographic findings. DelBalso AM, et al. **J Comput Assist Tomogr** 1986 Jul–Aug;10(4):702–3
Spontaneous esophageal hematoma diagnosed by computed tomography. Demos TC, et al. **J Comput Assist Tomogr** 1986 Jan–Feb;10(1):133–5
CT findings in rectal cuff abscess following surgery for Hirschsprung disease. Donaldson JS, et al. **J Comput Assist Tomogr** 1986 Jan–Feb;10(1):151–3
CT demonstration of extracranial carotid artery aneurysms. Duvall ER, et al. **J Comput Assist Tomogr** 1986 May–Jun; 10(3):404–8
Cavitation of a mediastinal mass following chemotherapy for histiocytosis-X: CT demonstration. Eftekhari F, et al. **J Comput Assist Tomogr** 1986 Jan–Feb;10(1):130–2
MR imaging of the adrenals: correlation with computed tomography. Falke TH, et al. **J Comput Assist Tomogr** 1986 Mar–Apr;10(2):242–53
Problems in CT diagnosis of ruptured abdominal aortic aneurysms. Gale ME, et al. **J Comput Assist Tomogr** 1986 Jul–Aug;10(4):637–41
Intrarenal rupture of the abdominal aorta: CT features. Gavant ML, et al. **J Comput Assist Tomogr** 1986 May–Jun; 10(3):516–8
CT identification of cortical speech areas in the human brain. Gelbert F, et al. **J Comput Assist Tomogr** 1986 Jan–Feb; 10(1):39–46
Transient thoracic venous collaterals: an incidental CT finding. Gerard PS, et al. **J Comput Assist Tomogr** 1986 Jan–Feb;10(1):75–7
Mesenchymal hamartoma of the liver: computed tomography and ultrasonography. Giyanani VL, et al. **J Comput Assist Tomogr** 1986 Jan–Feb;10(1):51–4
Vascular and soft tissue calcification in systemic oxalosis: CT diagnosis. Glickstein MF, et al. **J Comput Assist Tomogr** 1986 Jul–Aug;10(4):691–3
Computed tomography of dural sinus thrombosis. Goldberg AL, et al. **J Comput Assist Tomogr** 1986 Jan–Feb; 10(1):16–20
Computed tomography of thick-walled gallbladder mimicking pericholecystic fluid. Goldstein RB, et al. **J Comput Assist Tomogr** 1986 Jan–Feb;10(1):55–6
CT visualization of thrombus in cerebral artery. Granström P. **J Comput Assist Tomogr** 1986 May–Jun;10(3):541–2
Castleman disease of the retroperitoneum: CT demonstration. Greenstein S, et al. **J Comput Assist Tomogr** 1986 May–Jun; 10(3):547–8
Gallstone ileus diagnosed by computed tomography. Grumbach K, et al. **J Comput Assist Tomogr** 1986 Jan–Feb; 10(1):146–8
Omental fat simulating pleural fluid in traumatic diaphragmatic hernia: CT characteristics. Gurney J, et al. **J Comput Assist Tomogr** 1985 Nov–Dec;9(6):1112–4
Miliary tuberculosis associated with adrenal enlargement: CT appearance. Hauser H, et al. **J Comput Assist Tomogr** 1986 Mar–Apr;10(2):254–6
"Faceless kidney": CT sign of renal duplicity.Hulnick DH, et al. **J Comput Assist Tomogr** 1986 Sep–Oct;10(5):771–2
CT findings of lobar bronchioloalveolar carcinoma. Im JG, et al. **J Comput Assist Tomogr** 1986 Mar–Apr;10(2):320–2
Dynamic computed tomography in acute renal failure: analysis of time–density curve. Ishikawa I, et al. **J Comput Assist Tomogr** 1985 Nov–Dec;9(6):1097–102
Computed tomography of vaginitis emphysematosa. Jaramillo D, et al. **J Comput Assist Tomogr** 1986 May–Jun; 10(3):521–3
Narrow superior mediastinum and pseudomasses: CT features. Jardin M, et al. **J Comput Assist Tomogr** 1986

Jul-Aug;10(4):603-6
Computed tomography of blunt trauma to the gallbladder. Jeffrey RB Jr, et al. J Comput Assist Tomogr 1986 Sep-Oct; 10(5):756-8
Vertical fracture of the odontoid: CT diagnosis. Johnson JE, et al. J Comput Assist Tomogr 1986 Mar-Apr;10(2):311-2
Submucosal accumulation of fat in inflammatory bowel disease: CT/pathologic correlation. Jones B, et al. J Comput Assist Tomogr 1986 Sep-Oct;10(5):759-63
Organ volume determination by CT scanning: reduction of respiration-induced errors by feedback monitoring. Jones KR, et al. J Comput Assist Tomogr 1986 Jan-Feb; 10(1):167-71
CT characterization of multivesicular hydatid cysts. Kalovidouris A, et al. J Comput Assist Tomogr 1986 May-Jun;10(3):428-31
CT demonstration of hernia through an iliac crest defect. Kane VG, et al. J Comput Assist Tomogr 1986 May-Jun; 10(3):432-4
Clivus fracture: CT demonstration. Kapila A, et al. J Comput Assist Tomogr 1985 Nov-Dec;9(6):1142-4
Choroid plexus metastasis: CT appearance. Kart BH, et al. J Comput Assist Tomogr 1986 May-Jun;10(3):537-40
Focal fatty infiltration of the liver mimicking a tumor: sonographic and CT features. Kawashima A, et al. J Comput Assist Tomogr 1986 Mar-Apr;10(2):329-31
CT demonstration of an unusual enteric duplication cyst. Kelly RB, et al. J Comput Assist Tomogr 1986 May-Jun; 10(3):506-7
Hypodense white matter lesions in computed tomography of neurosarcoidosis. Ketonen L, et al. J Comput Assist Tomogr 1986 Mar-Apr;10(2):181-3
Facial nerve neurinoma presenting as middle cranial fossa mass: CT appearance. Kienzle GD, et al. J Comput Assist Tomogr 1986 May-Jun;10(3):391-4
Computed tomography of deep cerebral venous thrombosis. Kim KS, et al. J Comput Assist Tomogr 1986 May-Jun; 10(3):386-90
Thorn synovitis: CT diagnosis. Klein B, et al. J Comput Assist Tomogr 1985 Nov-Dec;9(6):1135-6
Extramedullary plasmacytoma of the sinonasal cavities: CT evaluation. Kondo M, et al. J Comput Assist Tomogr 1986 Sep-Oct;10(5):841-4
Acetabular alterations in untreated congenital dysplasia of the hip: computed tomography with multiplanar re-formation and three-dimensional analysis. Lafferty CM, et al. J Comput Assist Tomogr 1986 Jan-Feb;10(1):84-91
Computed tomography of solitary spinal osteochondromas. Lanzieri CF, et al. J Comput Assist Tomogr 1985 Nov-Dec; 9(6):1042-4
Computed tomography of the tongue in primary amyloidosis. Larsson SG, et al. J Comput Assist Tomogr 1986 Sep-Oct; 10(5):836-40
CT visualization of ruptured berry aneurysm within hematoma: the flip-flop sign. McCormack J, et al. J Comput Assist Tomogr 1986 Jan-Feb;10(1):28-31
Assessment of acute radiation-induced pulmonary changes using computed tomography. Mah K, et al. J Comput Assist Tomogr 1986 Sep-Oct;10(5):736-43
CT appearance of nidus in osteoid osteoma versus sequestration in osteomyelitis. Mahboubi S. J Comput Assist Tomogr 1986 May-Jun;10(3):457-9
Splenic pseudocyst as a complication of ventriculoperitoneal shunt: CT features. Mata J, et al. J Comput Assist Tomogr 1986 Mar-Apr;10(2):341-2
Computed tomography of splenic sarcoidosis. Mathieu D, et al. J Comput Assist Tomogr 1986 Jul-Aug;10(4):679-80
Hepatic plasmocytoma: sonographic and CT findings. Mathieu D, et al. J Comput Assist Tomogr 1986 Jan-Feb; 10(1):144-5
Postoperative CT follow-up of aortic dissection. Mathieu D, et al. J Comput Assist Tomogr 1986 Mar-Apr; 10(2):216-8
CT appearance of clival chordomas. Meyer JE, et al. J Comput Assist Tomogr 1986 Jan-Feb;10(1):34-8
Computed tomography of high density renal cysts in adult polycystic kidney disease. Meziane MA, et al. J Comput Assist Tomogr 1986 Sep-Oct;10(5):767-70
Calcification of pseudomyxoma peritonei following intraperitoneal chemotherapy: CT demonstration. Miller DL, et al. J Comput Assist Tomogr 1985 Nov-Dec; 9(6):1123-4
Computed tomography of the upper cervical spine in Down syndrome. Miller JD, et al. J Comput Assist Tomogr 1986 Jul-Aug;10(4):589-92
Pericardial varices demonstrated by computed tomography. Millward SF, et al. J Comput Assist Tomogr 1985 Nov-Dec;9(6):1106-7
Obstructive jaundice due to multiple myeloma of the pancreatic head: CT evaluation. Mitchell DG, et al. J Comput Assist Tomogr 1985 Nov-Dec;9(6):1118-9
CT features of cystic teratoma of the diaphragm. Müller NL. J Comput Assist Tomogr 1986 Mar-Apr;10(2):325-6
CT diagnosis of oil-induced granuloma secondary to diabetes insipidus therapy. Munk PL, et al. J Comput Assist Tomogr 1985 Nov-Dec;9(6):1147-8
Bronchogenic cyst with high CT number: analysis of contents. Nakata H, et al. J Comput Assist Tomogr 1986 Mar-Apr;10(2):360
Retracted testis mimicking lymphomatous recurrence: CT demonstration. Neumann DR, et al. J Comput Assist Tomogr 1986 Jan-Feb;10(1):159-60
Computed tomography of osteogenic sarcoma of nasal cavity and paranasal sinuses. Oot RF, et al. J Comput Assist Tomogr 1986 May-Jun;10(3):409-14
Retrorectal cyst-hamartomas: CT diagnosis. Ottery FD, et al. J Comput Assist Tomogr 1986 Mar-Apr;10(2):260-3
Lower lobe collapse due to pleural effusion: a CT analysis. Paling MR, et al. J Comput Assist Tomogr 1985 Nov-Dec; 9(6):1079-83
Calcified peritoneal metastases from papillary cystadenocarcinoma of the ovary: CT features. Pandolfo I, et al. J Comput Assist Tomogr 1986 May-Jun;10(3):545-6
CT findings in palpable lesions of the anterior abdominal wall. Pandolfo I, et al. J Comput Assist Tomogr 1986 Jul-Aug;10(4):629-33
CT demonstration of capsuloligamentous lesions of the knee joint. Passariello R, et al. J Comput Assist Tomogr 1986 May-Jun;10(3):450-6
Computed tomography of left paraduodenal hernia. Passas V, et al. J Comput Assist Tomogr 1986 May-Jun; 10(3):542-3
CT appearance of Candida diskitis. Pennisi AK, et al. J Comput Assist Tomogr 1985 Nov-Dec;9(6):1050-4
Aortic pseudoaneurysm complicating Takayasu disease: CT appearance. Peterson IM, et al. J Comput Assist Tomogr 1986 Jul-Aug;10(4):676-8
Computed tomography of familial pineoblastoma. Peyster RG, et al. J Comput Assist Tomogr 1986 Jan-Feb;10(1):32-3
CT findings in biliary and pancreatic ascariasis. Radin DR, et al. J Comput Assist Tomogr 1986 May-Jun;10(3):508-9
Cholecystoduodenal fistula due to pancreatic carcinoma: CT diagnosis. Radin DR, et al. J Comput Assist Tomogr 1986 Jan-Feb;10(1):149-50
CT demonstration of ovarian varices. Radin DR, et al. J Comput Assist Tomogr 1986 Mar-Apr;10(2):361-2
Visceral CT findings associated with Thorotrast. Rao BK, et al. J Comput Assist Tomogr 1986 Jan-Feb;10(1):57-61
Computed tomography and ultrasonography of carcinoma in duplication cysts. Rice CA, et al. J Comput Assist Tomogr 1986 Mar-Apr;10(2):233-5
Primary aldosteronism due to bilateral nodular hyperplasia: CT demonstration. Roberts L Jr, et al. J Comput Assist Tomogr 1985 Nov-Dec;9(6):1125-7
Hepatic actinomycosis: CT features. Roesler PJ Jr, et al. J Comput Assist Tomogr 1986 Mar-Apr;10(2):335-7
Computed tomography of pulmonary hydatid disease. Saksouk FA, et al. J Comput Assist Tomogr 1986 Mar-Apr; 10(2):226-32
Right periureteric venous ring detected by computed tomography. Sasai K, et al. J Comput Assist Tomogr 1986 Mar-Apr;10(2):349-51
Computed tomography of monkey brain tumors. Satoh T, et al. J Comput Assist Tomogr 1986 Sep-Oct;10(5):827-30
Evolution of CT findings in hepatic hematoma. Savolaine ER, et al. J Comput Assist Tomogr 1985 Nov-Dec; 9(6):1090-6
CT detection of skeletal muscle metastases. Schultz SR, et al. J Comput Assist Tomogr 1986 Jan-Feb;10(1):81-3
CT appearance of a surgically retained towel (gossypiboma). Sheward SE, et al. J Comput Assist Tomogr 1986 Mar-Apr; 10(2):343-5
CT evaluation of distended pericardial recess presenting as a mediastinal mass. Shin MS, et al. J Comput Assist Tomogr 1986 Sep-Oct;10(5):860-2
Pitfalls in CT evaluation of chest wall invasion by lung cancer. Shin MS, et al. J Comput Assist Tomogr 1986 Jan-Feb;10(1):136-8
Computed tomography of perirenal metastases. Shirkhoda A. J Comput Assist Tomogr 1986 May-Jun;10(3):435-8
Gastric diverticulum mimicking adrenal mass: CT demonstration. Silverman PM. J Comput Assist Tomogr 1986 Jul-Aug;10(4):709-10
CT appearance of diffuse mesenteric edema. Silverman PM, et al. J Comput Assist Tomogr 1986 Jan-Feb;10(1):67-70
CT appearance of giant sigmoid diverticulum. Siskind BN, et al. J Comput Assist Tomogr 1986 May-Jun;10(3):543-4
CT demonstration of steatocystoma multiplex. Sonnenblick EB, et al. J Comput Assist Tomogr 1986 Mar-Apr; 10(2):357-9
CT findings in distal radioulnar dislocation. Space TC, et al. J Comput Assist Tomogr 1986 Jul-Aug;10(4):689-90
Computed tomography of diffuse tracheal stenosis in Wegener granulomatosis. Stein MG, et al. J Comput Assist Tomogr 1986 Sep-Oct;10(5):868-70
Mycotic right coronary artery aneurysm: CT and MR diagnosis. Strasser SF, et al. J Comput Assist Tomogr 1986 Jul-Aug;10(4):667-9
CT diagnosis of mediastinal lymphocele. Sullivan KL, et al. J Comput Assist Tomogr 1985 Nov-Dec;9(6):1110-1
Carcinoma of the seminal vesicle: CT appearance. Sussman SK, et al. J Comput Assist Tomogr 1986 May-Jun; 10(3):519-20
CT demonstration of myocardial perforation by a pacemaker lead. Sussman SK, et al. J Comput Assist Tomogr 1986 Jul-Aug;10(4):670-2
CT demonstration of isolated mediastinal goiter. Sussman SK, et al. J Comput Assist Tomogr 1986 Sep-Oct;10(5):863-4
Milk-of-calcium hydronephrosis in patients with paraplegia and urinary-enteric diversion: CT demonstration. Sussman SK, et al. J Comput Assist Tomogr 1986 Mar-Apr; 10(2):257-9
Presacral myelolipoma: CT findings. Sutker B, et al. J Comput Assist Tomogr 1985 Nov-Dec;9(6):1128-30
CT findings in hepatic and splenic amyloidosis. Suzuki S, et al. J Comput Assist Tomogr 1986 Mar-Apr;10(2):332-4
Computed tomography of acute spinal subdural hematoma. Tantana S, et al. J Comput Assist Tomogr 1986 Sep-Oct; 10(5):891-2
Benign hemangioendothelioma involving posterior mediastinum: CT findings. Tarr RW, et al. J Comput Assist Tomogr 1986 Sep-Oct;10(5):865-7
Acute intervertebral gas following vertebral fracture: CT demonstration. Tash RR, et al. J Comput Assist Tomogr 1986 Jul-Aug;10(4):707-8
Ascending aorta complications of cardiac surgery: CT evaluation. Thorsen MK, et al. J Comput Assist Tomogr 1986 Mar-Apr;10(2):219-25
Cystic pedunculated leiomyomas of the uterus with unusual CT manifestations. Togashi K, et al. J Comput Assist Tomogr 1986 Jul-Aug;10(4):642-4
Computed tomography of hydrosalpinx following tubal ligation. Togashi K, et al. J Comput Assist Tomogr 1986 Jan-Feb;10(1):78-80
Computed tomography of hepatic morphologic changes in cirrhosis of the liver. Torres WE, et al. J Comput Assist Tomogr 1986 Jan-Feb;10(1):47-50
CT findings in paravertebral synovial sarcoma. Treu EB, et al. J Comput Assist Tomogr 1986 May-Jun;10(3):460-2
Unusual osseous changes in lumbar herniated disks: CT features. Vadalà G, et al. J Comput Assist Tomogr 1985 Nov-Dec;9(6):1045-9
Computed tomography of thoracic aortic disection: accuracy and pitfalls. Vasile N, et al. J Comput Assist Tomogr 1986 Mar-Apr;10(2):211-5
Iliac bone marrow harvesting: CT appearance. Walker MD, et al. J Comput Assist Tomogr 1985 Nov-Dec;9(6):1148-9
Computed tomography and magnetic resonance of pseudomyxoma peritonei. Weigert F, et al. J Comput Assist Tomogr 1985 Nov-Dec;9(6):1120-2
Adventitial cyst of the popliteal artery: CT-guided percutaneous aspiration. Wilbur AC, et al. J Comput Assist Tomogr 1986 Jan-Feb;10(1):161-3
CT and MR imaging in neuro-Behçet disease. Willeit J, et al. J Comput Assist Tomogr 1986 Mar-Apr;10(2):313-5
CT demonstration of aneurysms in polyarteritis nodosa. Wilms G, et al. J Comput Assist Tomogr 1986 May-Jun; 10(3):513-5
CT demonstration of aneurysm of a persistent sciatic artery. Wilms G, et al. J Comput Assist Tomogr 1986 May-Jun; 10(3):524-5
Computed angiotomography of unruptured cerebral aneurysms. Yamamoto Y, et al. J Comput Assist Tomogr 1986 Jan-Feb;10(1):21-7
CT volumetrics of primary liver cancers. Yang NC, et al. J Comput Assist Tomogr 1986 Jul-Aug;10(4):621-8
Hemosuccus pancreaticus: CT manifestations. Yoshikai T, et al. J Comput Assist Tomogr 1986 May-Jun;10(3):510-2
Saphenous vein graft aneurysms demonstrated by computed tomography. Yousem D, et al. J Comput Assist Tomogr 1986 May-Jun;10(3):526-8
Computed tomography of stress fractures. Yousem D, et al. J Comput Assist Tomogr 1986 Jan-Feb;10(1):92-5
CT myelography in spinal cysticercosis. Zee CS, et al. J Comput Assist Tomogr 1986 Mar-Apr;10(2):195-8
Accuracy of area measurements made from MR images compared with computed tomography. Zhu XP, et al. J Comput Assist Tomogr 1986 Jan-Feb;10(1):96-102
Computed tomography of obstructive jaundice secondary to duodenal hematoma. Aston JK. J Comput Tomogr 1986 Apr;10(2):171-3
Orbital involvement by multiple myeloma: case report. Boyadjis TA, et al. J Comput Tomogr 1986 Apr;10(2):145-6
Pancreaticopleural fistula: demonstration by computed tomography and endoscopic retrograde cholangiopancreatography. Bronner MH, et al. J Comput Tomogr 1986 Apr;10(2):167-70
Review of computed tomography findings in thrombosis of the major abdominal venous pathways. Castillo M, et al. J Comput Tomogr 1986 Jul;10(3):205-14
Computed tomography of xanthogranulomatous pyeloenephritis presenting as a flank mass. Childress MH, et al. J Comput Tomogr 1985 Oct;9(4):343-6
Differential diagnosis of low-attenuation splenic lesions on computed tomography. Chintapalli K, et al. J Comput Tomogr 1985 Oct;9(4):311-9
Computed tomography in urothelial tumors of renal pelvis and related filling defects. Cholankeril JV, et al. J Comput Tomogr 1986 Jul;10(3):263-72
Concurrent duplication and azygos continuation of the inferior vena cava. Coscina WF, et al. J Comput Tomogr 1986 Jul;10(3):287-90
Computed tomography of end-stage renal transplant rejection. Curry NS, et al. J Comput Tomogr 1986 Jan; 10(1):51-3
Diagnosis of bilateral intracavernous carotid artery aneurysms by computed tomography. Deeb ZL, et al. J Comput Tomogr 1986 Apr;10(2):121-7
Mediastinal masses: a system for diagnosis based on computed tomography. Feigin DS, et al. J Comput Tomogr 1986 Jan; 10(1):11-21
Computed tomography of spinal chordomas. Firooznia H, et al. J Comput Tomogr 1986 Jan;10(1):45-50
Computed tomography findings in gastrointestinal involvement by opportunistic organisms in acquired immune deficiency syndrome. Greyson-Fleg RT, et al.

J Comput Tomogr 1986 Apr;10(2):175–81
Retroaortic left renal vein: an interpretive pitfall on computed tomography. Hall JT, et al.
J Comput Tomogr 1986 Jan;10(1):55–6
Fractures of the talus and calcaneus: evaluation by computed tomography. Hindman BW, et al. J Comput Tomogr 1986 Apr;10(2):191–6
Neurosarcoidosis involving optic nerves and leptomeninges: computed tomography findings. Hovda E, et al.
J Comput Tomogr 1986 Apr;10(2):129–33
Computed tomography of duodenal hematoma. Hughes JJ, et al. J Comput Tomogr 1986 Jul;10(3):231–6
Cystic adult medulloblastomas. Hyman AD, et al.
J Comput Tomogr 1986 Apr;10(2):139–43
Computed tomography in radiotherapy planning of the axillary region. Jacobs CG, et al. J Comput Tomogr 1986 Jul;10(3):221–5
Computed tomography demonstration of renal dysplasia with a vaginal ectopic ureter. Korogi Y, et al.
J Comput Tomogr 1986 Jul;10(3):273–5
Differentiation of large suprasellar masses by evaluation of the superior margin. Lanzieri CF, et al.
J Comput Tomogr 1986 Jul;10(3):215–20
Intraprocedural passage of an obstructing ureteral calculus. Machen BC, et al. J Comput Tomogr 1986 Apr;10(2):135–7
Computed tomography of oleothorax. Mullin DM, et al.
J Comput Tomogr 1986 Apr;10(2):197–9
Computed tomography for preoperative evaluations of lung cancer. Nakata H, et al. J Comput Tomogr 1986 Apr; 10(2):147–51
Efficacy of abdominal computed tomography in evaluation of possible abdominal abscess. Paling MR, et al.
J Comput Tomogr 1986 Apr;10(2):111–4
Retinal angiomatosis and pancreatic cysts in von Hippel–Lindau disease: use of computed tomography scanning for diagnosis and surveillance. Pockros PJ, et al.
J Comput Tomogr 1985 Oct;9(4):293–7
The changing pattern in focal fatty change of the liver: a case report. Shah ZR, et al. J Comput Tomogr 1986 Jul; 10(3):261–2
Massive mediastinal Hodgkin's disease with calcification masquerading terstocarcinoma: differentiation by computed tomography. Shin MS, et al.
J Comput Tomogr 1985 Oct;9(4):321–7
Metastatic mediastinal neoplasm masqueradıng as aortic dissection: a skip sign on computed tomography for their distinction. Shin MS, et al. J Comput Tomogr 1985 Oct; 9(4):299–303
Computed tomography evaluation of primary and secondary sternal neoplasms. Shin MS, et al. J Comput Tomogr 1986 Jan;10(1):27–32
Computed tomography appearance of melanoma of nasal cavity. Slasky BS, et al. J Comput Tomogr 1985 Oct; 9(4):283–91
Computed tomography evolution of multicystic encephalomalacia. Smith RR, et al. J Comput Tomogr 1986 Jul;10(3):249–54
Exogastric leiomyoblastoma: a rare gastric neoplasm mimicking left hepatic mass on computed tomography. Stanley JH, et al. J Comput Tomogr 1986 Apr;10(2):187–90
Computed tomography evaluation of pheochromocytoma in pregnancy. Stanley JH, et al. J Comput Tomogr 1985 Oct; 9(4):369–72
Computed tomography of primary melanoma of the leptomeninges: case reports. Stephenson WM, et al.
J Comput Tomogr 1985 Oct;9(4):337–42
Computed tomography in global cerebral cortical isch.mia of the neonate and young infant. Swartz JD, et al.
J Comput Tomogr 1986 Jul;10(3):243–7
Diagnosis of sacral perineural cysts by computed tomography. Tabas JH, et al. J Comput Tomogr 1986 Jul; 10(3):255–9
Radiologic demonstration of Caroli's disease: a case report. Takaki Y, et al. J Comput Tomogr 1986 Apr;10(2):153–6
Computed tomography follow-up of nonsurgical treatment for hypersplenism. Tihansky DP, et al.
J Comput Tomogr 1986 Jul;10(3):227–30
Computed tomography evaluation of tracheoesophageal fistula. Vaid YN, et al. J Comput Tomogr 1986 Jul; 10(3):281–5
Supratentorial ependymomas: computed tomographic and pathologic correlations. Van Tassel P, et al.
J Comput Tomogr 1986 Apr;10(2):157–65
Computed tomography in the pretreatment assessment of carcinoma of the cervix. Vas W, et al.
J Comput Tomogr 1985 Oct;9(4):359–68
Cerebral vasculitis secondary to Wegener's granulomatosis: computed tomography and angiographic findings. Yamashita Y, et al. J Comput Tomogr 1986 Apr; 10(2):115–20
Use of computed tomography in the preoperative evaluation of patients with head and neck tumors. Schmidt JJ, et al.
J Dermatol Surg Oncol 1986 Apr;12(4):375–9
Computed tomography of abdominal and pelvic trauma. Ang JG, et al. J Emerg Med 1985;3(4):311–25
The role of computed tomography in the management of acute abdominal trauma. Marx JA, et al. J Emerg Med 1985;3(4):309–10
Computerized tomography and electroencephalography in childhood coma: which test should be performed first? Alfonso I, et al. J Fla Med Assoc 1985 Oct;72(10):843–5
CT directed biopsy of intracranial neoplasms: experience with Brown–Roberts–Wells stereotaxic frame. Reid SA, et al. J Fla Med Assoc 1984 Nov;71(11):851–5
C.T. demonstration of retroperitoneal hematoma caused by high inguinal arterial puncture during angiography. Abaskaron M, et al. J Ky Med Assoc 1986 Jul;84(7):354–5
Localisation of a CSF fistula by metrizamide CT cisternography. Luotonen J, et al. J Laryngol Otol 1986 Aug;100(8):955–8
Computerized axial tomography of the nose, paranasal sinuses, nasopharynx and pterygoid regions. Singh AP, et al. J Laryngol Otol 1986 Aug;100(8):907–14
A critical evaluation of the role of CT scanning in ethmoidal cancer. Tiwari RM, et al. J Laryngol Otol 1986 Apr; 100(4):421–8
Diagnosis of perineurial arachnoid cysts using computed tomography: technical and clinical considerations. Foreman SM, et al. J Manipulative Physiol Ther 1986 Mar; 9(1):23–6
Versatility of CT scanning for evaluation of mandibular hypomobilities. Tucker MR, et al. J Maxillofac Surg 1986 Apr;14(2):89–92
CT appearances of brain abscesses analysis of 71 abscesses (51 cases). Khanjanasthiti P, et al. J Med Assoc Thai 1986 Feb;69(2):74–81
Radiological seminar CCXLIII: CT examination in acute and complicated appendicitis. Cranston PE, et al.
J Miss State Med Assoc 1985 Oct;26(10):285–8
Computerized tomographic evaluation of tumors of the nasopharynx and maxillary sinus: potential impact on results of treatment. Abayomi OK, et al.
J Natl Med Assoc 1986 Apr;78(4):311–6
The computed tomographic spectrum of cerebral cysticercosis. Byrd SE, et al. J Natl Med Assoc 1985 Jul; 77(7):553–60
Computerized tomography: its role in interstitial brachytherapy of pelvic malignancies. Kumar PP, et al.
J Natl Med Assoc 1986 Feb;78(2):127–30
Computed tomography: detecting intra-abdominal abscesses. Stovall JM. J Natl Med Assoc 1985 Aug;77(8):607–16
Computerized tomography scan in the preoperative staging of renal cell carcinoma. Waters WB, et al.
J Natl Med Assoc 1986 Jun;78(6):528–30
Computerized axial tomography scans and subtypes of schizophrenia. A review of the literature. Goetz KL, et al. J Nerv Ment Dis 1986 Jan;174(1):31–41 (83 ref.)
False positive–false negative CT scan in late epileptic seizure: a meningioma–glioblastoma association. Bouchez B, et al.
J Neurol 1986 Aug;233(4):218–20
Correlation of clinical signs with CT findings in patients with cerebellar disease. Diener HC, et al. J Neurol 1986 Feb; 233(1):5–12
Syndrome of the mesencephalic artery: report of a case with CT and necropsy findings. Hochman MS, et al.
J Neurol Neurosurg Psychiatry 1985 Nov;48(11):1179–81
The spinal cord in rheumatoid arthritis with clinical myelopathy: a computed myelographic study. Stevens JM, et al. J Neurol Neurosurg Psychiatry 1986 Feb;49(2):140–51
Subcortical lobar intracerebral haemorrhage: clinical–computed tomographic correlations. Weisberg LA.
J Neurol Neurosurg Psychiatry 1985 Nov;48(11):1078–84
Congenital muscular dystrophy and cerebral CT scan anomalies. Results of a collaborative study of the Société de Neurologie Infantile. Echenne B, et al. J Neurol Sci 1986 Aug;75(1):7–22
The need for repeated CT examinations in hypothalamic–pituitary pathology. Dietemann JL, et al.
J Neuroradiol 1985;12(2):113–22 (Eng, Fre)
Spontaneous subarachnoid hemorrhage and negative cerebral panangiography. Review of 140 cases. Alexander MS, et al. J Neurosurg 1986 Apr;64(4):537–42
Computerized tomography and prognosis in early aneurysm surgery. Auer LM, et al. J Neurosurg 1986 Aug; 65(2):217–21
Differential diagnosis of CT-hypodense cranial lesions with indium-111-oxine-labeled leukocytes. Bellotti C, et al.
J Neurosurg 1986 May;64(5):750–3
Chiasmal gliomas: appearance and long-term changes demonstrated by computerized tomography. Fletcher WA, et al. J Neurosurg 1986 Aug;65(2):154–9
Computerized tomography, magnetic resonance imaging, and positron emission tomography in the study of brain trauma. Preliminary observations. Langfitt TW, et al.
J Neurosurg 1986 May;64(5):760–7
Stereotaxic surgery with a magnetic resonance- and computerized tomography-compatible system. Lunsford LD, et al. J Neurosurg 1986 Jun;64(6):872–8
Comparison of computerized tomographic and radionuclide methods in determining intracranial cystic tumor volumes. Lunsford LD, et al. J Neurosurg 1985 Nov;63(5):740–4
Timing of CT scanning after SAH [letter] Ohta T, et al.
J Neurosurg 1985 Nov;63(5):817
Intracranial tuberculoma and the CT scan. Vengsarkar US, et al. J Neurosurg 1986 Apr;64(4):568–74
Computed tomography in the diagnosis and treatment of mandibular ameloblastoma: report of cases. Cohen MA, et al. J Oral Maxillofac Surg 1985 Oct;43(10):796–800
Use of computed tomography in the localization of head-and-neck-space infections. Hall MB, et al.
J Oral Maxillofac Surg 1985 Dec;43(12):978–80
Computerized tomography of proximal femoral trabecular patterns. Kerr R, et al. J Orthop Res 1986;4(1):45–56
CT demonstration of postanginal sepsis. Yousem DM, et al.
J Otolaryngol 1985 Oct;14(5):333–5
The relationship of rectus muscles to the globe: a study with coronal CT scanning. Saunders RA, et al.
J Pediatr Ophthalmol Strabismus 1986 Jul–Aug; 23(4):178–82
Slipped capital femoral epiphysis: assessment of epiphyseal displacement and angulation. Cohen MS, et al.
J Pediatr Orthop 1986 May–Jun;6(3):259–64
Occult subluxation of the subtalar joint in clubfoot (using computerized tomography). Fahrenbach GJ, et al.
J Pediatr Orthop 1986 May–Jun;6(3):334–9
Three-dimensional reformation of skeletal abnormalities using computed tomography. Sundberg SB, et al.
J Pediatr Orthop 1986 Jul–Aug;6(4):416–20
The impact of computed tomography scanning on the child with renal trauma. Karp MP, et al. J Pediatr Surg 1986 Jul;21(7):617–23
Blunt liver trauma in children: the role of computed tomography in diagnosis and treatment. Vock P, et al.
J Pediatr Surg 1986 May;21(5):413–8
Pelvimetry by digital radiography and its dosimetry. Claussen C, et al. J Perinat Med 1985;13(6):287–92
Comparison of computer-based fabrication of alloplastic cranial implants with conventional techniques. Mankovich NJ, et al. J Prosthet Dent 1986 May;55(5):606–9
Posterior mediastinal thyroid: the role of CT scanning. Spence RA, et al. J R Coll Surg Edinb 1985 Aug; 30(4):224–6
Misleading abdominal computed tomography in a wasted patient with polyarteritis nodosa. Grindulis KA, et al.
J R Soc Med 1985 Oct;78(10):867–9
Computer assisted tomography of the apophyseal changes in patients with ankylosing spondylitis. Russell AS, et al.
J Rheumatol 1986 Jun;13(3):581–5
Testicular neoplasm diagnosed by ultrasound. Senay BA, et al. J Surg Oncol 1986 Jun;32(2):110–2
Meningeal tuberculosis. Gallemore GH, et al.
J Tenn Med Assoc 1985 Oct;78(10):641–2
Regional accuracy of computed tomography of the mediastinum in staging of lung cancer. Ferguson MK, et al. J Thorac Cardiovasc Surg 1986 Apr;91(4):498–504
The use of computed tomography in the evaluation of mediastinal masses. Graeber GM, et al.
J Thorac Cardiovasc Surg 1986 May;91(5):662–6
Comparative merits of conventional, computed tomographic, and magnetic resonance imaging in assessing mediastinal involvement in surgically confirmed lung carcinoma. Martini N, et al. J Thorac Cardiovasc Surg 1985 Nov; 90(5):639–48
A prospective study of 91 patients undergoing both computed tomography and peritoneal lavage following blunt abdominal trauma. Fabian TC, et al. J Trauma 1986 Jul; 26(7):602–8
The diagnostic superiority of computerized tomography. Goldstein AS, et al. J Trauma 1985 Oct;25(10):938–46
The diagnostic value of computed tomography in a selected case of penetrating thoraco-abdominal injury. Meyer E, et al. J Trauma 1986 Apr;26(4):393–5
The advantage of computed tomography in locating a foreign body in the foot. Nyska M, et al. J Trauma 1986 Jan; 26(1):93–5
Prospective study of computed tomography in initial management of blunt abdominal trauma. Peitzman AB, et al. J Trauma 1986 Jul;26(7):585–92
The diagnosis of bilateral renal artery injury by computed tomography. Sclafani SJ. J Trauma 1986 Mar;26(3):295–6
Computed tomography in perspective [editorial] Trunkey D, et al. J Trauma 1986 Jul;26(7):660–1
Computed tomography and peritoneal lavage following blunt abdominal trauma [letter] White TJ 3d. J Trauma 1986 Jul; 26(7):662–3
Computerized tomography diagnosis of diffuse intraperitoneal metastases after retroperitoneal lymphadenectomy for testicular carcinoma. Barakos JA, et al. J Urol 1986 Sep;136(3):680–1
Computerized tomographic staging of renal trauma: 85 consecutive cases. Bretan PN Jr, et al. J Urol 1986 Sep; 136(3):561–5
Candida of the bladder wall: computerized tomography demonstration. Trinh TD, et al. J Urol 1986 May; 135(5):1008–9
Extended use of computed tomography in the management of complex aortic problems: a learning experience. Williams LR, et al. J Vasc Surg 1986 Sep;4(3):264–71
Missed cyst? [letter] Gupta RK, et al. JAMA 1986 Jan 17; 255(3):326
Preservation of normal lung regions in the adult respiratory distress syndrome. Analysis by computed tomography. Maunder RJ, et al. JAMA 1986 May 9;255(18):2463–5
Tuberculous mesenteric lymphadenitis clinically presenting as abdominal mass: CT and sonographic findings. Borgia G, et al. JCU 1985 Sep;13(7):491–3
Combination of ultrasonography and computed tomography in the diagnosis of hemorrhagic pseudocyst of the pancreas. Cadet J, et al. JCU 1985 Oct;13(8):591–3
Comparison of computed tomography and ultrasound in the evaluation of abdominal neuroblastoma. Saks JB, et al.
JCU 1985 Nov–Dec;13(9):641–5
Lipoma of corpus callosum diagnosed by CT scanning—a case report. Jumshyd A, et al. JPMA 1986 Jun;36(6):149–51
Advance of cardiac computed tomography—functional evaluation of the cardiovascular system. Inagaki Y, et al.

Jpn Circ J 1985 Jul;49(7):702–9
Computed tomography of the lungs in neurofibromatosis. Nakamura T, et al. **Jpn J Med** 1985 Aug;24(3):273–5
A case of holoprosencephaly with atypical CT findings and no facial anomaly. Honda E, et al. **Kurume Med J** 1985; 32(3):179–85
Ultrasonic and X-ray tomographic findings of schistosomiasis japonicum. Nagata O, et al. **Kurume Med J** 1985; 32(4):301–5
Carrier detection of Duchenne muscular dystrophy by computerised tomography [letter] Castro-Gago M, et al. **Lancet** 1986 May 3;1(8488):1039
Negative computerised tomographic scan in patient with intracerebral haematoma [letter] Sandercock P, et al. **Lancet** 1986 Mar 1;1(8479):506–7
CT-directed fine needle aspiration biopsies of masses in the head and neck. Abemayor E, et al. **Laryngoscope** 1985 Nov; 95(11):1382–6
The masticator space: the influence of CT scanning on therapy. Doxey GP, et al. **Laryngoscope** 1985 Dec; 95(12):1444–7
Magnetic resonance imaging and computerized tomography in malignant external otitis. Gherini SG, et al. **Laryngoscope** 1986 May;96(5):542–8
Value of CT scan in the diagnosis of temporal bone diseases in children. Zalzal GH, et al. **Laryngoscope** 1986 Jan; 96(1):27–32
Magnetic resonance imaging in childhood intracranial masses. Barnes PD, et al. **Magn Reson Imaging** 1986;4(1):41–9
A five-year experience with central nervous system lymphoma. Kotasek D, et al. **Med J Aust** 1986 Mar 17; 144(6):299–303
Computed tomography of the abdomen and pelvis: documentation of tumor response and progression in disseminated prostate cancer. Winkler CF, et al. **Med Pediatr Oncol** 1986;14(1):20–5
CT xray in abdominal trauma [letter] Ramirez H Jr. **Milit Med** 1985;150(9):505
Indications for computerized axial tomography in low back pain and what to look for in the scan. deSouza LJ. **Minn Med** 1986 Jul;69(7):400–4
Diagnosis of renal injury with computed tomography. Vieira J, et al. **Minn Med** 1986 Apr;69(4):207–9
Hypoplasia of the lung: CT appearance. Mendelson DS, et al. **Mt Sinai J Med (NY)** 1986 Apr;53(4):297–8
Primary brain stem haemorrhages: clinico-radiological considerations on five cases observed. Carbonin C, et al. **Neurochirurgia (Stuttg)** 1986 Mar;29(2):53–7
Mega cisterna magna: a constant variation of the cerebellomedullary cistern associated with cerebral atrophy. Kars Z, et al. **Neurochirurgia (Stuttg)** 1986 Jul; 29(4):114–6
Radiologic techniques in the diagnosis of CNS infections. Sarwar M, et al. **Neurol Clin** 1986 Feb;4(1):41–68
CT observations on the natural history of asymptomatic cerebral infarction following transient ischaemic attacks. Turnbull IW, et al. **Neurol Res** 1985 Dec;7(4):190–3
Krabbe disease: specific MRI and CT findings. Baram TZ, et al. **Neurology** 1986 Jan;36(1):111–5
CT metrizamide myelography in syringomyelia: sensitivity and specificity. Gates PC, et al. **Neurology** 1986 Sep; 36(9):1245–8
Correlations of nuclear magnetic resonance imaging, computerized tomography, and clinical profiles in multiple sclerosis. Jacobs L, et al. **Neurology** 1986 Jan;36(1):27–34
CT classification of small thalamic hemorrhages and their clinical implications. Kawahara N, et al. **Neurology** 1986 Feb;36(2):165–72
Neuroimaging in refractory partial seizures: comparison of PET, CT, and MRI. Theodore WH, et al. **Neurology** 1986 Jun;36(6):750–9
Ruptured aneurysms of anterior cerebral or anterior communicating arteries: CT patterns. Weisberg LA. **Neurology** 1985 Nov;35(11):1562–6
Prognostic value of neonatal CT scans in asphyxiated term babies: low density score compared with neonatal neurological signs. Lirp-Zwahlen AE, et al. **Neuropediatrics** 1985 Nov;16(4):209–17
Intracranial tuberculomas in a child: regression on the CT scan under conservative therapy. Rossi LN, et al. **Neuropediatrics** 1985 Nov;16(4):228–30
Radionuclide cisternography and computed tomography in 30 healthy volunteers. Bergstrand G, et al. **Neuroradiology** 1986;28(2):154–60
Presentation of bilateral thalamic infarction on CT, MRI and PET. Bewermeyer H, et al. **Neuroradiology** 1985; 27(5):414–9
Role of computed tomography in vertebrobasilar ischemia. Bonafe A, et al. **Neuroradiology** 1985;27(6):484–93
CT in hemispheric ischaemic attacks. Bories J, et al. **Neuroradiology** 1985;27(6):468–83
High resolution CT of Meckel's cave. Chui M, et al. **Neuroradiology** 1985;27(5):403–9
CT findings in eclampsia. Colosimo C Jr, et al. **Neuroradiology** 1985;27(4):313–7
Computed tomography in congenital ocular motor apraxia. Eda I, et al. **Neuroradiology** 1984;26(5):359–62
Extraspinal abnormalities identified on lumbar spine CT. Frager DH, et al. **Neuroradiology** 1986;28(1):58–60
Bilateral paramedian thalamic infarctions: a CT study. Gerber O, et al. **Neuroradiology** 1986;28(2):128–31
Computed tomography in patients with Ehlers-Danlos syndrome. Hagino H, et al. **Neuroradiology** 1985; 27(5):443–5
Lumbar disc disease evaluated by myelography and postmyelography spinal computed tomography. Ketonen L, et al. **Neuroradiology** 1986;28(2):144–9
Parameters of infiltration in posterior fossa tumours of childhood using a high resolution CT scanner. Kingsley DP, et al. **Neuroradiology** 1984;26(5):347–50
X-ray computed tomography (CT) study of small, deep and recent infarcts (SDRIs) of the cerebral hemispheres in adults. Preliminary and critical report. Launay M, et al. **Neuroradiology** 1985;27(6):494–508
Intraspinal synovial cyst: diagnosis by CT. Follow-up and spontaneous remission. Mercader J, et al. **Neuroradiology** 1985;27(4):346–8
Radiology of intracranial empyemas, with special reference to computed tomography. Moseley IF, et al. **Neuroradiology** 1984;26(5):333–45
CT of the normal pituitary gland. Peyster RG, et al. **Neuroradiology** 1986;28(2):161–5
Infantile sudanophilic leukodystrophy: computed tomography demonstration. Sano N, et al. **Neuroradiology** 1986;28(2):170–2
Temporal bone fractures and their complications. Examination with high resolution CT. Schubiger O, et al. **Neuroradiology** 1986;28(2):93–9
Quantitative analysis of the cervical spinal canal by computed tomography. Stanley JH, et al. **Neuroradiology** 1986; 28(2):139–43
Aspects of the anatomy of the cerebellum on computed tomography. Stevens JM, et al. **Neuroradiology** 1985; 27(5):390–8
Aberrant internal carotid artery lying within the middle ear. High resolution CT diagnosis and differential diagnosis. Swartz JD, et al. **Neuroradiology** 1985;27(4):322–6
Progressive CT changes in cerebral arterial dolichoectasia. Van Tassel P, et al. **Neuroradiology** 1985;27(5):440–2
Computed tomography during Creutzfeldt-Jakob disease. Westphal KP, et al. **Neuroradiology** 1985;27(4):362–4
Morphology and measurements of the cervical spinal cord in computer-assisted myelography. Yu YL, et al. **Neuroradiology** 1985;27(5):399–402
Is there an increased risk of early side effects of metrizamide in post-myelogram computed tomography? Yu YL, et al. **Neuroradiology** 1984;26(5):399–403
Specificity of CT myelographic findings in cervical nerve root symptoms. Penning L, et al. **Neurosurg Rev** 1986; 9(1-2):99–101
The role of CT and NMRI in neurosurgical diagnosis. Valk J. **Neurosurg Rev** 1986;9(1-2):43–7
Discrepancy between computed tomography and magnetic resonance imaging in a case of medulloblastoma. Heafner MD, et al. **Neurosurgery** 1985 Sep;17(3):487–9
Selective conventional arteriography and computed tomography with and without contrast infusion: minimal requirements for the assessment of transient ischemic attacks. Nabors MW, et al. **Neurosurgery** 1985 Nov; 17(5):829–37
Charcot's spine with neurological deficit: computed tomography as an aid to treatment. Raynor RB. **Neurosurgery** 1986 Jul;19(1):108–10
Occipital lobe infarction caused by tentorial herniation. Sato M, et al. **Neurosurgery** 1986 Mar;18(3):300–5
Comparison of magnetic resonance imaging and computed tomography in the evaluation of head injury. Snow RB, et al. **Neurosurgery** 1986 Jan;18(1):45–52
Three-dimensional computed tomographic reformation of the spine, skull, and brain from axial images. Virapongse C, et al. **Neurosurgery** 1986 Jan;18(1):53–8
Quantification analysis of CT of ovarian tumors. Hamada T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Feb 25;46(2):324–31
Oil embolism of the left lobe of the liver. A case report. Murata S, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Feb 25;46(2):332–4
Central pontine myelinolysis: role of CT in the diagnosis. Koss JC, et al. **NJ Med** 1986 Mar;83(3):161–3
Computed tomographic pelvimetry in the evaluation of breech presentation. Kopelman JN, et al. **Obstet Gynecol** 1986 Oct;68(4):455–8
Role of computed axial tomography of the chest in staging patients with nonmetastatic gestational trophoblastic disease. Mutch DG, et al. **Obstet Gynecol** 1986 Sep; 68(3):348–52
Computerized tomographic demonstration of intraorbital bone fragments caused by penetrating trauma. Avrahami E, et al. **Ophthalmic Surg** 1986 Jan;17(1):41–3
Diagnosis and localization of intraocular foreign bodies by computed tomography. Spierer A, et al. **Ophthalmic Surg** 1985 Sep;16(9):571–5
Orbital blowout fractures. The prognostic significance of computed tomography. Gilbard SM, et al. **Ophthalmology** 1985 Nov;92(11):1523–8
Computed tomography of the nonrhegmatogenous retinal detachment in the pediatric patient. Haik BG, et al. **Ophthalmology** 1985 Aug;92(8):1133–42
Extraocular muscle size comparison using standardized A-scan echography and computerized tomography scan measurements. Holt JE, et al. **Ophthalmology** 1985 Oct; 92(10):1351–5
Myxofibroma of the maxilla: a case report with computed tomogram findings. Cohen MA, et al. **Oral Surg Oral Med Oral Pathol** 1986 Feb;61(2):142–5
The role of computed tomography in the evaluation of cemento-osseous lesions. DelBalso AM, et al. **Oral Surg Oral Med Oral Pathol** 1986 Sep;62(3):354–7
Computerized tomography and Trotter's syndrome in the diagnosis of maxillofacial pain. Flynn TR, et al. **Oral Surg Oral Med Oral Pathol** 1986 May;61(5):440–7
Splint therapy evaluation with direct sagittal computed tomography. Manco LG, et al. **Oral Surg Oral Med Oral Pathol** 1986 Jan;61(1):5–11
Computed tomographic classification of patellofemoral pain patients. Schutzer SF, et al. **Orthop Clin North Am** 1986 Apr;17(2):235–48
Advantages of ambulatory metrizamide myelography with contrast CT tomography. Lestrange NR, et al. **Orthopedics** 1986 Jan;9(1):61–5
Three dimensional imaging of bone from analysis of computed tomography data. Woolson ST, et al. **Orthopedics** 1985 Oct;8(10):1269–73
Computed tomography in the diagnosis of cochlear otosclerosis. Blakley BW, et al. **Otolaryngol Head Neck Surg** 1986 Apr;94(4):434–8
CT of the body in children. Kuhn JP. **Pediatr Ann** 1986 May; 15(5):367, 371–3, 376–82
Chest computed tomography in children. Effmann EL, et al. **Pediatr Clin North Am** 1985 Dec;32(6):1383–96 (25 ref.)
Pediatric brain computed tomography. Hershey BL, et al. **Pediatr Clin North Am** 1985 Dec;32(6):1477–508 (119 ref.)
Computed tomogram-guided stereotactic brain biopsy in the pediatric patient. Nauta HJ, et al. **Pediatr Neurosci** 1985–86; 12(1):63–7
Intraspinal neurenteric cyst containing gastric mucosa: CT and MRI findings. Kantrowitz LR, et al. **Pediatr Radiol** 1986;16(4):324–7
CT of complicated inflammatory bowel disease in children. Riddlesberger MM Jr. **Pediatr Radiol** 1985;15(6):384–7
Radiation dose reduction in pediatric CT. Robinson AE, et al. **Pediatr Radiol** 1986;16(1):53–4
Computed tomography in young children with herpes simplex virus encephalitis. Sugimoto T, et al. **Pediatr Radiol** 1985;15(6):372–6
CT visualization of posterior vertebral veins: a sign of vena caval obstruction. Vachon L, et al. **Pediatr Radiol** 1986; 16(3):197–9
Concealed pulmonary abscess: diagnosis by computed tomography. Johnson JF, et al. **Pediatrics** 1986 Aug; 78(2):283–6
Computed axial tomographic scanning of the thigh: an alternative method of nutritional assessment in pediatrics. Lerner A, et al. **Pediatrics** 1986 May;77(5):732–7
Three-dimensional computer-assisted design of craniofacial surgical procedures: optimization and interaction with cephalometric and CT-based models. Cutting C, et al. **Plast Reconstr Surg** 1986 Jun;77(6):877–87
Computed tomography and magnetic resonance imaging. Best J. **Practitioner** 1986 Feb;230(1412):161–4
Clinical applications of dynamic computed tomography. Lipton MJ, et al. **Prog Cardiovasc Dis** 1986 Mar-Apr; 28(5):349–66 (46 ref.)
The relative value of lymphangiography (LAG) and computed tomography (CT) in diagnosing small retroperitoneal metastases. Pizzocaro G, et al. **Prog Clin Biol Res** 1985;203:261
Computed tomography in the staging of testicular tumours. Richard F, et al. **Prog Clin Biol Res** 1985;203:253–7
Densitometric analysis of scans: important sources of artefact. Jacobson RR, et al. **Psychol Med** 1985 Nov;15(4):879–89
Computerized tomographic scan changes in early schizophrenia—preliminary findings. Turner SW, et al. **Psychol Med** 1986 Feb;16(1):219–25
CT scanning in psychiatric inpatients: clinical yield. Beresford TP, et al. **Psychosomatics** 1986 Feb;27(2):105–12
Subdural empyema—continuing diagnostic problems in the CT scan era. Hodges J, et al. **Q J Med** 1986 Apr; 59(228):387–93
CT-aided volumetry and prognosis in cervical carcinoma. Arimoto T, et al. **Radiat Med** 1984 Jul-Sep;2(3):197–204
Sacrococcygeal chordoma: CT appearance after radiotherapy. Hishikawa Y, et al. **Radiat Med** 1985 Jul-Sep; 3(3):144–6
Dynamic CT scanning for the evaluation of pituitary tumor invasion to the cavernous sinus. Inoue Y, et al. **Radiat Med** 1985 Oct-Dec;3(4):192–6
Evaluation of the degree of severity in liver cirrhosis by computed tomography. Kamei T, et al. **Radiat Med** 1985 Oct-Dec;3(4):197–203
Computed tomography during arterial portography in idiopathic portal hypertension. Matsui O, et al. **Radiat Med** 1984 Jul-Sep;2(3):189–93
Lymphangiomatosis of bone—lymphographic and CT findings. Nakajima T, et al. **Radiat Med** 1984 Jul-Sep; 2(3):160–3
Thin section CT of normal pituitary glands. Nemoto Y, et al. **Radiat Med** 1985 Oct-Dec;3(4):187–91
Computed tomographic features of renal tuberculosis. Okazawa N, et al. **Radiat Med** 1985 Oct-Dec;3(4):209–13
Incidentally discovered small renal carcinoma: CT and angiography. Yashiro N, et al. **Radiat Med** 1985 Jan-Mar; 3(1):42–6
The use of CT in the biopsy of adrenal glands: a case study. Cooling GF. **Radiography** 1985 Nov-Dec;51(600):304–5
Symposium on new imaging technology: pitfalls and

controversies. **Radiol Clin North Am** 1985 Sep; 23(3):379–586
MRI and CT of the mediastinum: comparisons, controversies, and pitfalls. Aronberg DJ, et al. **Radiol Clin North Am** 1985 Sep;23(3):439–48
Quantitation of cardiac function by cine-CT. Lipton MJ. **Radiol Clin North Am** 1985 Dec;23(4):613–26
The importance of appropriate suite designs in the era of computerized imaging. Williams CO, et al. **Radiol Clin North Am** 1986 Sep;24(3):337–46
Diffusion of an innovation: adoption of CT scanners. Phillips ML, et al. **Radiol Technol** 1985 Nov–Dec;57(2):137–40
Tuberculosis of the spine. CT demonstration of paravertebral abscess. Psarras H, et al. **Radiologe** 1985 Jul;25(7):339–41
Supratentorial ependymoma: CT appearance. Armington WG, et al. **Radiology** 1985 Nov;157(2):367–72
Intraperitoneal paravesical spaces: CT delineation with US correlation. Auh YH, et al. **Radiology** 1986 May; 159(2):311–7
Extraperitoneal paravesical spaces: CT delineation with US correlation. Auh YH, et al. **Radiology** 1986 May; 159(2):319–28
Contrast medium precipitation during abdominal CT. Ball DS, et al. **Radiology** 1986 Jan;158(1):258–60
Granulocytic sarcoma of the brain: a case report and review of the literature. Barnett MJ, et al. **Radiology** 1986 Jul; 160(1):223–5
Superior vena caval obstruction: detection using CT. Bechtold RE, et al. **Radiology** 1985 Nov;157(2):485–7
Tissue characterization of the testes using ultrasonic CT. Work in progress. Biand PH, et al. **Radiology** 1986 Apr; 159(1):101–5
Cricoarytenoiditis: CT assessment in rheumatoid arthritis. Brazeau-Lamontagne L, et al. **Radiology** 1986 Feb; 158(2):463–6
Hodgkin disease: contributions of chest CT in the initial staging evaluation. Castellino RA, et al. **Radiology** 1986 Sep;160(3):603–5
Plunging ranula: CT diagnosis. Charnoff SK, et al. **Radiology** 1986 Feb;158(2):467–8
Nasal airway obstruction: CT assessment. Chinwuba C, et al. **Radiology** 1986 May;159(2):503–6
Normal thymus: assessment with MR and CT. de Geer G, et al. **Radiology** 1986 Feb;158(2):313–7
Lipomatous tumors and tumors with fatty component: MR imaging potential and comparison of MR and CT results. Dooms GC, et al. **Radiology** 1985 Nov;157(2):479–83
Parathymic parathyroid: CT, US, and angiographic findings. Doppman JL, et al. **Radiology** 1985 Nov;157(2):419–23
Trabecular mineral content of the spine in women with hip fracture: CT measurement. Firooznia H, et al. **Radiology** 1986 Jun;159(3):737–40
Hepatic perfusion abnormalities during CT angiography: detection and interpretation. Freeny PC, et al. **Radiology** 1986 Jun;159(3):685–91
Colorectal carcinoma evaluation with CT: preoperative staging and detection of postoperative recurrence. Freeny PC, et al. **Radiology** 1986 Feb;158(2):347–53
Intrafissural fat: CT correlation with chest radiography. Gale ME, et al. **Radiology** 1986 Aug;160(2):333–6
Posttraumatic progressive myelopathy. Clinical and radiologic correlation employing MR imaging, delayed CT metrizamide myelography, and intraoperative sonography. Gebarski SS, et al. **Radiology** 1985 Nov;157(2):379–85
Cross-sectional imaging of silent pulmonary venous anomalies. Greene R, et al. **Radiology** 1986 Apr; 159(1):279–81
A blinded clinical comparison of MR imaging and CT in neuroradiology. Haughton VM, et al. **Radiology** 1986 Sep; 160(3):751–5
Radiotherapy planning: direct tumor location on simulation and port films using CT. Part I. Principles. Haynor DR, et al. **Radiology** 1986 Feb;158(2):537–40
Meningovascular syphilis: CT and MR findings. Holland BA, et al. **Radiology** 1986 Feb;158(2):439–42
Pericardial abscess: diagnosis using two-dimensional echocardiography and CT. Johnson MA, et al. **Radiology** 1986 May;159(2):419–21
Influence of vertebral fat content on quantitative CT density. Laval-Jeantet AM, et al. **Radiology** 1986 May;159(2):463–6
Bone metastases in pheochromocytoma: comparative studies of efficacy of imaging. Lynn MD, et al. **Radiology** 1986 Sep;160(3):701–6
Anatomy of the perirenal area. McClennan BL, et al. **Radiology** 1986 Feb;158(2):555–7
Femoral torsion: CT measurement. Mahboubi S, et al. **Radiology** 1986 Sep;160(3):843–4
Relapsing polychondritis studied by computed tomography. Mendelson DS, et al. **Radiology** 1985 Nov;157(2):489–90
Fibrosing alveolitis: CT–pathologic correlation. Müller NL, et al. **Radiology** 1986 Sep;160(3):585–8
Primary lung cancer staging: prospective comparative study of MR imaging with CT. Musset D, et al. **Radiology** 1986 Sep;160(3):607–11
Cryptic structural lesions in refractory partial epilepsy: MR imaging and CT studies. Ormson MJ, et al. **Radiology** 1986 Jul;160(1):215–9
Soft-tissue masses of the locomotor system: comparison of MR imaging with CT. Petasnick JP, et al. **Radiology** 1986 Jul;160(1):125–33
Wilms tumor in children: abdominal CT and US evaluation. Reiman TA, et al. **Radiology** 1986 Aug;160(2):501–5
Mediastinal lesions in children: comparison of CT and MR. Siegel MJ, et al. **Radiology** 1986 Jul;160(1):241–4
Solitary pulmonary nodules: CT assessment. Siegelman SS, et al. **Radiology** 1986 Aug;160(2):307–12
Cryptosporidiosis of the gastric antrum: detection using CT. Soulen MC, et al. **Radiology** 1986 Jun;159(3):705–6
Labyrinthine ossification: etiologies and CT findings. Swartz JD, et al. **Radiology** 1985 Nov;157(2):395–8
Pancreatic necrosis: CT manifestations. White EM, et al. **Radiology** 1986 Feb;158(2):343–6
CT of the pulmonary nodule: a cooperative study. Zerhouni EA, et al. **Radiology** 1986 Aug;160(2):319–27
Computed tomographic features in muco-pyoceles of the maxillary sinus. Ohnishi T, et al. **Rhinology** 1985 Dec; 23(4):327–32
Studies of paranasal sinus ventilation by xenon-enhanced dynamic CT. Rettinger G, et al. **Rhinology** 1986 Jun; 24(2):103–12
Indications for CT scanning in benign head trauma. Leclercq TA, et al. **RI Med J** 1985 Nov;68(11):503–5
Three cases of pigmented villonodular synovitis of the knee. Ultrasound and computed tomographic findings. Gagnerie F, et al. **ROFO** 1986 Aug;145(2):227–8
CT in the diagnostic work-up of hypogenetic lung syndrome (HLS) in homozygotic twins. Kaiser MC, et al. **ROFO** 1986 Apr;144(4):476–8
Densities and sizes of the main masticatory muscles in computed tomography compared with clinical findings related to temporomandibular joint (TMJ) dysfunction. Raustia AM, et al. **ROFO** 1986 Mar;144(3):327–31
Density of the caput mandibulae in computed tomography compared with clinical findings related to TMJ dysfunction. Raustia AM, et al. **ROFO** 1985 Oct; 143(4):408–12
Computerised tomographic demonstration of the "crescent sign" confirming gangrenous sloughing of the lung associated with a primary lung carcinoma. Solomon A, et al. **ROFO** 1986 Feb;144(2):238–40
Detection of recurrent rectal carcinoma with computed tomography. Myllylä V, et al. **Rontgenblatter** 1986 Mar; 39(3):68–71
A microcomputer-based patient-data storage system for a computed tomographic scanner. A pilot study. Bagg MN, et al. **S Afr Med J** 1986 Aug 16;70(4):205–7
Computed tomography in psychiatric patients. Emsley RA, et al. **S Afr Med J** 1986 Aug 16;70(4):212–4
Hypovolemic shock and contrast-enhanced computed tomography of the pancreas. Nuutinen P, et al. **Scand J Gastroenterol** 1986 May;21(4):483–6
A somatic dose index for computed tomography. Ujeno Y. **Schweiz Med Wochenschr** 1985 Oct 19;115(42):1476–7
Chronic subdural haematoma in the CT scan era. Nath F, et al. **Scott Med J** 1985 Jul;30(3):152–5
Neurosarcoidosis of the brain and meninges. Leeds NE, et al. **Semin Roentgenol** 1985 Oct;20(4):387–92
How useful is the CAT scan for investigating epilepsy? Choo IH, et al. **Singapore Med J** 1985 Jun;26(3):263–70
Localisation of parathyroid tissue by ultrasound and computerised tomography scanning—a case report. Tan J, et al. **Singapore Med J** 1985 Oct;26(6):485–9
Computed tomography and ultrasonography of the hemophilic pseudotumor and their use in surgical planning. Hermann G, et al. **Skeletal Radiol** 1986;15(2):123–8
Case report 353: Giant cell tumor of distal end of the femur, containing a fluid level as demonstrated by computed tomography. Resnik CS, et al. **Skeletal Radiol** 1986; 15(2):175–7
Large brain metastasis not shown by computerized tomography. Hall JA Jr, et al. **South Med J** 1986 Sep; 79(9):1170–2
Anesthesia-induced pulmonary macroatelectasis: a cause of false-positive computerized tomography. Horev G, et al. **South Med J** 1986 Sep;79(9):1181–2
Rounded atelectasis shown by computerized tomography. Inoshita T, et al. **South Med J** 1986 Jun;79(6):764–7
Spontaneous pyomyositis in a patient with Felty's syndrome: diagnosis using computerized tomography. Lachiewicz PF, et al. **South Med J** 1986 Aug;79(8):1047–8
Abdominal tuberculosis mimicking neoplasia on computerized tomography. Mehta JB, et al. **South Med J** 1985 Nov;78(11):1385–6
"Hidden" disks and computerized tomographyPerlmutter D, et al. **South Med J** 1985 Nov;78(11):1343–6
Correction: Thoracic pheochromocytoma: computerized tomographic characteristics [letter] Shin MS, et al. **South Med J** 1986 Aug;79(8):1051
Thoracic pheochromocytoma: computerized tomographic characteristics. Shin MS, et al. **South Med J** 1986 Feb; 79(2):244–5
CT diagnosis of torsion of benign cystic teratoma of the ovary. Walsh JA, et al. **South Med J** 1986 Mar;79(3):379–81
Computerized tomographic abnormalities in patients with hemispheric transient ischemic attacks. Weisberg LA. **South Med J** 1986 Jul;79(7):804–7
CT scanning and metrizamide myelography. **Spine** 1985 Oct; 10(8):691–5
Computed tomography in assessment of myelographic nerve root compression in the lateral recess. Johansen JG. **Spine** 1986 Jun;11(5):492–5
Quantitative assessment of the fifth lumbar spinal canal by computed tomography in symptomatic L4–L5 disc disease. Kornberg M, et al. **Spine** 1985 May;10(4):328–30
Comparison of nuclear magnetic resonance imaging and computed tomography in the diagnosis of upper cervical spinal cord compression. McAfee PC, et al. **Spine** 1986 May;11(4):295–304
Moment arm lengths of trunk muscles to the lumbosacral joint obtained in vivo with computed tomography. Németh G, et al. **Spine** 1986 Mar;11(2):158–60
Atlantoaxial rotatory fixation. Radiographic study of its mechanism. Ono K, et al. **Spine** 1985 Sep;10(7):602–8
Computed tomography of lumbosacral conjoined nerve root anomalies. Potential cause of false-positive reading for herniated nucleus pulposus. Peyster RG, et al. **Spine** 1985 May;10(4):331–7
The fate of the free fat graft. A prospective clinical study using CT scanning. Van Akkerveeken PF, et al. **Spine** 1986 Jun;11(5):501–4
The value of CT in diagnosing postoperative lumbar conditions. Weisz GM. **Spine** 1986 Mar;11(2):164–6
Focal parenchymal lesions in transient ischemic attacks: correlation of computed tomography and magnetic resonance imaging. Awad I, et al. **Stroke** 1986 May–Jun; 17(3):399–403
Computed tomographic evaluation of cervical carotid plaque complications [letter] Goldenberg M. **Stroke** 1986 Jul–Aug; 17(4):779
Hemorrhagic infarction on CT in the absence of anticoagulation therapy [letter] Hart RG, et al. **Stroke** 1986 May–Jun;17(3):558
CT enhancement after prolonged high-dose contrast infusion in the early stage of cerebral infarction. Ito U, et al. **Stroke** 1986 May–Jun;17(3):424–30
The role of cranial computed tomography in carotid surgery. Vollman RW, et al. **Surg Clin North Am** 1986 Apr; 66(2):255–68
Incidentally discovered mass of the adrenal gland. Belldegrun A, et al. **Surg Gynecol Obstet** 1986 Sep;163(3):203–8
A useful technique for computerized tomography directed needle biopsy. Beutel EW, et al. **Surg Gynecol Obstet** 1986 May;162(5):491–2
The role of computerized tomography in fever, septicemia and multiple system organ failure after laparotomy. Hoogewoud HM, et al. **Surg Gynecol Obstet** 1986 Jun; 162(6):539–43
The role of computed tomography in symptomatic aortic aneurysms. Johnson WC, et al. **Surg Gynecol Obstet** 1986 Jan;162(1):49–53
Ethiodized oil emulsion enhanced computerized tomography in the preoperative assessment of metastases to the liver from the colon and rectum. Reed WP, et al. **Surg Gynecol Obstet** 1986 Feb;162(2):131–6
Magnetic resonance imaging of the sella turcica and parasellar region. A clinical-radiographic evaluation with computed tomography. Goldstein SJ, et al. **Surg Neurol** 1986 Oct;26(4):330–7
The use of computerized axial tomography versus peritoneal lavage in the evaluation of blunt abdominal trauma: a prospective study. Davis RA, et al. **Surgery** 1985 Oct; 98(4):845–50
Case study of a limited partnership joint venture. Epstein DA, et al. **Top Health Care Financ** 1985 Winter;12(2):74–83
Comparative assesment of ultrasonography and computed tomography in adrenal disorders. Yamakita N, et al. **Ultrasound Med Biol** 1986 Jan;12(1):23–9
Computed tomography of the lower urinary tract. Arger PH. **Urol Clin North Am** 1985 Nov;12(4):677–86 (54 ref.)
Computed tomography of the kidney. Sandler CM, et al. **Urol Clin North Am** 1985 Nov;12(4):657–75 (87 ref.)
Computed tomographic findings in Peyronie's disease. Rollandi GA, et al. **Urol Radiol** 1985;7(3):153–6
CT findings in Addison's disease caused by tuberculosis. Sawczuk IS, et al. **Urol Radiol** 1986;8(1):44–5
Radiologic diagnosis of renal trauma. Sclafani SJ, et al. **Urol Radiol** 1985;7(4):192–200
Computed tomography after adrenalectomy in adrenal cortical carcinoma. Shirkhoda A. **Urol Radiol** 1985; 7(3):132–7
Correlations between radiography, ultrasonography, computed tomography and pathologic findings in prostatic disease. Cariou G, et al. **Urology** 1985 Dec;26(6):599–602
Computed tomography in emphysematous pyelonephritis. Graham JN, et al. **Urology** 1986 Mar;27(3):277
Computerized axial tomography vs spermatic venography in localization of cryptorchid testes. Green R Jr. **Urology** 1985 Nov;26(5):513–7
Triamterene stones and computerized axial tomography. Guevara A, et al. **Urology** 1986 Feb;27(2):104–6
Computed tomographic imaging of microscopic dystrophic calcification in urachal adenocarcinoma. Nesbitt JA, et al. **Urology** 1986 Feb;27(2):184–6
Future use of new imaging technologies in developing countries. Report of a WHO Scientific Group. **WHO Tech Rep Ser** 1985;723:1–67 (358 ref.)
[Echography and computed axial tomography in the diagnosis of bladder tumors] Kumanov Kh, et al. **Khirurgiia (Sofiia)** 1986;39(2):38–41 (Eng. Abstr.) **(Bul)**
[Malignant fibrous histiocytoma (MFH) of the maxilla—an analysis of 7 cases] Fan KH, et al. **Chung Hua Chung Liu Tsa Chih** 1986 May;8(3):203–5 (Eng. Abstr.) **(Chi)**
[Some problems concerning the histological diagnosis of gliomas of the brain by CT scan] Bai RJ. **Chung Hua Fang She Hsueh Tsa Chih** 1984 Nov;18(4):244–6

(Eng. Abstr.) (Chi)
[The role of CT air cisternography in the diagnosis of cerebello–pontine angle lesions] Chen JK.
Chung Hua Fang She Hsueh Tsa Chih 1985 Oct;19(5):266–8 (Eng. Abstr.) (Chi)
[Computed tomographic diagnosis of cerebellar hemangioblastoma] Dai JP.
Chung Hua Fang She Hsueh Tsa Chih 1986 Feb;20(1):17–8 (Eng. Abstr.) (Chi)
[CT diagnosis of primary lymphoma of the brain (report of 5 cases)] Guan CQ.
Chung Hua Fang She Hsueh Tsa Chih 1985 Dec; 19(6):329–30 (Eng. Abstr.) (Chi)
[CT diagnosis of hydatid cyst of the brain (report of 5 cases)] Han KN. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Feb; 20(1):19–20 (Eng. Abstr.) (Chi)
[CT diagnosis of traumatic intracranial hematoma] Hu LY. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Apr;20(2):88–90 (Eng. Abstr.) (Chi)
[CT–pathologic study of the specimen of hepatocellular carcinoma] Li HP.
Chung Hua Fang She Hsueh Tsa Chih 1985 Oct; 19(5):269–72 (Eng. Abstr.) (Chi)
[CT diagnosis of angiomyolipoma of the kidney] Liu YH. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Feb;20(1):21–3 (Eng. Abstr.) (Chi)
[CT findings of herniated lumbosacral disc] Shen FX.
Chung Hua Fang She Hsueh Tsa Chih 1986 Feb;20(1):24–7 (Eng. Abstr.) (Chi)
[CT diagnosis of acoustic tumor] Yu CC.
Chung Hua Fang She Hsueh Tsa Chih 1984 Nov;18(4):247–9 (Eng. Abstr.) (Chi)
[CT diagnosis of adrenalopathy: analysis of 81 cases] Wei JH. **Chung Hua I Hsueh Tsa Chih** 1986 Jan;66(1):37–9 (Chi)
[Cranial computerized tomography in hepatolenticular degeneration] Chen XR.
Chung Hua Shen Ching Ching Shen Ko Tsa Chih 1985 Aug; 18(4):229–30 (Eng. Abstr.) (Chi)
[CT scanning analysis of 7 cases of hepatolenticular degeneration] Long J.
Chung Hua Shen Ching Ching Shen Ko Tsa Chih 1985 Aug; 18(4):231–3 (Eng. Abstr.) (Chi)
[Computed tomography in chronic pancreatitis] Wei JH, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Dec;23(12):715–6, 780 (Eng. Abstr.) (Chi)
[CT myelography for the diagnosis of spinal canal block] Shen WC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Oct; 84(10):1108–16 (Eng. Abstr.) (Chi)
[Computed tomography of appendical abscess] Tiu CM, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Jan;85(1):54–9 (Eng. Abstr.) (Chi)
[Computed tomography of ascites patients—differentiation between benignancy and malignancy] Tiu CM, et al.
Taiwan I Hsueh Hui Tsa Chih 1986 Apr;85(4):403–8 (Eng. Abstr.) (Chi)
[Evaluation of the route of spreading of retroperitoneal abscess using computed tomography] Tiu CM, et al.
Taiwan I Hsueh Hui Tsa Chih 1985 May;84(5):599–608 (Eng. Abstr.) (Chi)
[Our experience up to this time with computer tomography in intra–ocular diseases. Comparison with ultrasonic diagnosis] Vlková E, et al. **Cesk Oftalmol** 1985 Sep; 41(5):311–8 (Eng. Abstr.) (Cze)
[Modern possibilities in the diagnosis of foreign bodies in ophthalmology] Vlková E, et al. **Cesk Oftalmol** 1985 Sep; 41(5):319–26 (Eng. Abstr.) (Cze)
[Comparison of the results of computer tomography and pneumoencephalography in psychopathology and psychiatric nosography] Skoda C. **Cesk Psychiatr** 1985 Aug;81(4):267–72 (Eng. Abstr.) (Cze)
[Forgotten anatomical fascia demonstrated by computed tomography] Bellstrøm T, et al. **Ugeskr Laeger** 1986 Apr 28;148(18):1085–6 (Eng. Abstr.) (Dan)
[CT of the lumbar spine] Bellstrøm T, et al.
Ugeskr Laeger 1986 Jul 21;148(30):1897–9 (Eng. Abstr.) (Dan)
[Ureteral leakage diagnosed by computed tomography] Christensen T, et al. **Ugeskr Laeger** 1986 Jul 28; 148(31):1971–2 (Eng. Abstr.) (Dan)
[Abscessing osteomyelitis of the femur diagnosed by CT] Gelineck J, et al. **Ugeskr Laeger** 1986 Jun 9;148(24):1476–7 (Eng. Abstr.) (Dan)
[Brain CT X–ray and EEG in children with minimal brain dysfunction] Hvidt R, et al. **Ugeskr Laeger** 1986 Jan 27; 148(5):243–6 (Eng. Abstr.) (Dan)
[The value of CT in patients with toxic encephalopathy] Skjødt T, et al. **Ugeskr Laeger** 1986 Jan 20;148(4):174–7 (Eng. Abstr.) (Dan)
[CT changes in the brain in acute methanol poisoning] Wagner A. **Ugeskr Laeger** 1986 Jan 20;148(4):178–9 (Eng. Abstr.) (Dan)
[Value of CT in the diagnosis and treatment of pyogenic intrahepatic abscesses] Rigaux A, et al. **J Belge Radiol** 1985; 68(3):225–30 (Eng. Abstr.) (Dut)
[Computerized tomographic studies of larynx carcinoma] Gerritsen GJ, et al. **Ned Tijdschr Geneeskd** 1985 Oct 19; 129(42):2018–23 (Eng. Abstr.) (Dut)
[Value of computerized tomography for the detection of local recurrence following surgery for rectal or rectosigmoid cancer] Joosten FB, et al. **Ned Tijdschr Geneeskd** 1986 Jun 28;130(26):1190–4 (Eng. Abstr.) (Dut)
[Computerized tomography and isotope scanning in the diagnosis of primary hyperaldosteronism] Hietakorpi S, et al. **Duodecim** 1985;101(18):1777–81 (Eng. Abstr.) (Fin)
[Imaging technic in the diagnosis and treatment of occult infections] Taavitsainen M, et al. **Duodecim** 1986; 102(11):760–9 (Fin)
[A computerized tomography method for the evaluation of idiopathic avascular necrosis of the femoral head prior to osteotomy] Adam P, et al. **Acta Orthop Belg** 1985; 51(6):881–8 (Eng. Abstr.) (Fre)
[Arthrography and computerized tomography in the radiological assessment of the temporomandibular joint] Reychler H, et al. **Acta Stomatol Belg** 1986 Apr;83(1):31–8 (Eng. Abstr.) (Fre)
[Indications and limitations of ultrasound and axial computed tomography in urologic oncology] Braeckman J, et al.
Acta Urol Belg 1985;53(3):514–9 (Eng. Abstr.) (Fre)
[Multiple cerebral tuberculomas. X–ray computed tomographic diagnosis and follow–up: a case] Mocquard Y, et al. **Ann Med Interne (Paris)** 1985;136(5):405–8 (Eng. Abstr.) (Fre)
[Current strategy for the radiological exploration of the ear] Bourjat P, et al. **Ann Otolaryngol Chir Cervicofac** 1986; 103(2):119–25 (Eng. Abstr.) (Fre)
[Advisability of medical transportation for x–ray computed tomography in cases of neonatal brain lesions] Hervé C, et al. **Ann Pediatr (Paris)** 1986 May;33(5):395–9 (Eng. Abstr.) (Fre)
[X–ray computed tomographic evaluation of pseudomeningoceles] Adam P, et al. **Ann Radiol (Paris)** 1985;28(6):457–61 (Eng. Abstr.) (Fre)
[Role of standard x–ray computed tomography and x–ray computed arthrography in the radiological study of shoulder injuries] Adam P, et al. **Ann Radiol (Paris)** 1985; 28(8):629–35 (Eng. Abstr.) (Fre)
[Ewing's tumors with costal localization. Role of x–ray computed tomography] Bassoulet J, et al.
Ann Radiol (Paris) 1985;28(8):600–5 (Eng. Abstr.) (Fre)
[2 x–ray computed tomographic surprises in Barety's compartment] Giron J, et al. **Ann Radiol (Paris)** 1985; 28(6):465–8 (Eng. Abstr.) (Fre)
[Shwachman's syndrome. Ultrasonic and x–ray computed tomographic aspects. Apropos of 3 cases] Hibon D, et al.
Ann Radiol (Paris) 1985;28(6):469–73 (Eng. Abstr.) (Fre)
[X–ray computed tomography and the adrenal glands in adults] Jeanbourquin D, et al. **Ann Radiol (Paris)** 1985; 28(7):499–508 (Eng. Abstr.) (Fre)
[Congenital renal malformations in x–ray computed tomography. Apropos of 25 cases] Roger B, et al.
Ann Radiol (Paris) 1986;29(1):19–25 (Eng. Abstr.) (Fre)
[Value of x–ray computed tomography in the pretherapeutic evaluation of idiopathic spontaneous pneumothorax in adults. Apropos of 25 cases] Senac JP, et al.
Ann Radiol (Paris) 1985;28(8):586–91 (Eng. Abstr.) (Fre)
[X–ray computed tomographic study of laryngoceles] Vadala G, et al. **Ann Radiol (Paris)** 1986;29(1):26–32 (Eng. Abstr.) (Fre)
[Value of x–ray computed tomography in the study of the inferior vena cava in urologic practice] Barré C, et al.
Ann Urol (Paris) 1985;19(6):409–12 (Eng. Abstr.) (Fre)
[Radiological exploration of the inferior vena cava in nephroepithelioma] Wenger JJ, et al. **Ann Urol (Paris)** 1986; 20(2):142–5 (Eng. Abstr.) (Fre)
[Cancer of the prostate: value of x–ray computed tomography in the preradiotherapeutic evaluation. Apropos of 49 cases reviewed at the Gustave–Roussy Institute] Masselot J, et al. **Bull Cancer (Paris)** 1985;72(5):452–61 (Eng. Abstr.) (Fre)
[Orbital injury in the child: radiologic and x–ray computed tomographic diagnosis (apropos of a case)] Douche C, et al. **Bull Soc Ophtalmol Fr** 1985 Jun–Jul;85(6–7):699–702 (Eng. Abstr.) (Fre)
[Value of x–ray computed tomography and echography for intraocular and intraorbital foreign bodies] François P, et al. **Bull Soc Ophtalmol Fr** 1985 Feb;85(2):219–21 (Fre)
[X–ray computed tomography and echography B in the localization of metallic intraocular foreign bodies. Apropos of 33 cases] Turut P, et al. **Bull Soc Ophtalmol Fr** 1985 Feb;85(2):225–7 (Eng. Abstr.) (Fre)
[Anatomic basis of x–ray computed tomography of the heart and coronary arteries] Kurdziel JC, et al.
Bull Soc Sci Med Grand Duche Luxemb 1985;122(1):21–40 (Fre)
[Cerebral x–ray computed tomography in anorexia nervosa. Study of 16 cases] Deniker P, et al. **Encephale** 1986 Mar–Apr;12(2):63–70 (Eng. Abstr.) (Fre)
[Pancreatic cystadenoma: diagnostic value of ultrasonics and x–ray computed tomography] Aigard M, et al.
Gastroenterol Clin Biol 1986 Jan;10(1):23–8 (Eng. Abstr.) (Fre)
[Xanthogranulomatous cholecystitis. X–ray computed tomographic study of a pseudotumoral form] Delamarre J, et al. **Gastroenterol Clin Biol** 1985 Oct;9(10):732–7 (Eng. Abstr.) (Fre)
[The differential diagnosis of ovarian tumors using computerized tomography] Henry C, et al.
J Belge Radiol 1985;68(4):269–74 (Eng. Abstr.) (Fre)
[Computerized tomography staging of bronchial cancer] Kuhn G, et al. **J Belge Radiol** 1985;68(3):221–3 (Eng. Abstr.) (Fre)
[Congenital agenesis of the inferior vena cava. Apropos of a case presenting as an ilio–femoral phlebitis. Contribution of echography and x–ray computed tomography] Manouvrier J, et al. **J Mal Vasc** 1985;10(3):235–9 (Eng. Abstr.) (Fre)
[Pelvimetry by digitalized radiography] Adam P, et al.
J Radiol 1986 Jan;67(1):47–52 (Eng. Abstr.) (Fre)
[X–ray computed tomographic aspects of benign primary cerebral melanomas. Apropos of 4 cases] Adam P, et al.
J Radiol 1986 Feb;67(2):95–103 (Eng. Abstr.) (Fre)
[Desmoid tumor of the abdominal wall. Echographic and CT aspects] Agostini S, et al. **J Radiol** 1985 Aug–Sep; 66(8–9):531–3 (Eng. Abstr.) (Fre)
[Results of abdominal x–ray computed tomography in 25 patients with the acquired immunodeficiency syndrome or the lymphadenopathy syndrome] Arrive L, et al.
J Radiol 1986 Mar;67(3):219–23 (Eng. Abstr.) (Fre)
[Rupture of an intracerebral dermoid cyst. Apropos of a case: x–ray computed tomographic aspects] Baudrillard JC, et al. **J Radiol** 1986 Feb;67(2):111–3 (Eng. Abstr.) (Fre)
[Value of x–ray computed tomography in the evaluation of the extensiveness and the therapeutic strategy for bladder cancer (letter)] Bellin MF, et al. **J Radiol** 1985 Nov; 66(11):678 (Fre)
[X–ray computed tomographic aspects of spinal aneurysmal cysts in children] Bernard C, et al. **J Radiol** 1985 Oct; 66(10):595–7 (Eng. Abstr.) (Fre)
[X–ray computed tomography guided surgery. Equipment and procedure for transcutaneous approach to lesions] Berry M. **J Radiol** 1985 Dec;66(12):819–22 (Eng. Abstr.) (Fre)
[CRST syndrome with diffuse peri– and intra–articular calcifications. Value of x–ray computed tomography] Claudon M, et al. **J Radiol** 1985 Dec;66(12):793–6 (Eng. Abstr.) (Fre)
[Role of computed tomography in the diagnosis and surveillance of hepatic alveolar echinococcosis] Claudon M, et al. **J Radiol** 1985 Aug–Sep;66(8–9):507–13 (Eng. Abstr.) (Fre)
[X–ray computed tomographic detection of foraminal neurinoma. Apropos of a case] Cordoliani YS, et al.
J Radiol 1985 Nov;66(11):673–7 (Eng. Abstr.) (Fre)
[Pericardial effusion with involvement of the superior aortic recessus of the pericardium. An x–ray computed tomographic case] Coulomb M, et al. **J Radiol** 1986 Jan; 67(1):35–40 (Eng. Abstr.) (Fre)
[X–ray computed tomography in cerebral hydatid disease in children] Draouat S, et al. **J Radiol** 1986 Mar; 67(3):179–84 (Eng. Abstr.) (Fre)
[Synovial cysts of the hip. Diagnosis by x–ray computed tomography] Garcia J, et al. **J Radiol** 1985 Jun–Jul; 66(6–7):425–32 (Eng. Abstr.) (Fre)
[Role of x–ray computed tomography in infections of soft tissue] Garcin J, et al. **J Radiol** 1985 Jun–Jul;66(6–7):417–23 (Eng. Abstr.) (Fre)
[Comparison between ultrasonic and x–ray computed tomographic measurements of femoral antetorsion in children] Gormand E, et al. **J Radiol** 1985 Dec; 66(12):789–92 (Eng. Abstr.) (Fre)
[Cerebromeningeal tuberculosis. X–ray computed tomographic aspects apropos of 36 cases] Hamdouch N, et al. **J Radiol** 1985 Nov;66(11):667–72 (Eng. Abstr.) (Fre)
[The empty delta sign. A useful or misleading sign in cerebral x–ray computed tomography?] Hazebroucq V, et al.
J Radiol 1986 Jan;67(1):23–4 (Eng. Abstr.) (Fre)
[X–ray computed tomographic aspects of tumors of the colon with peripheral extramucous development] Hoeffel JC, et al. **J Radiol** 1986 Feb;67(2):137–40 (Eng. Abstr.) (Fre)
[Value and limitations of puncture guided by x–ray computed tomography in hematology] Laval–Jeantet M, et al.
J Radiol 1985 Oct;66(10):575–80 (Eng. Abstr.) (Fre)
[Primary lymphoma of the liver: an uncommon disease. Ultrasonic and x–ray computed tomographic aspects. Apropos of a case with review of the literature] Legmann P, et al. **J Radiol** 1985 Oct;66(10):599–602 (Eng. Abstr.) (Fre)
[X–ray computed tomography in pheochromocytoma. Apropos of 20 cases] Lemaitre G, et al. **J Radiol** 1986 Jan; 67(1):11–5 (Eng. Abstr.) (Fre)
[Renal oncocytoma. Contribution of echography and computed tomography to the preoperative diagnosis. Apropos of a case] Macrez M, et al. **J Radiol** 1985 Aug–Sep;66(8–9):541–6 (Eng. Abstr.) (Fre)
[Diagnosis of internal jugular vein thrombosis by x–ray computed tomography] Pereira M, et al. **J Radiol** 1985 Dec;66(12):797–800 (Eng. Abstr.) (Fre)
[Diagnosis of renal, peri– and para–renal infections. Contribution of ultrasonics and x–ray computed tomography. Apropos of 10 cases] Pharaboz C, et al.
J Radiol 1985 Nov;66(11):703–9 (Eng. Abstr.) (Fre)
[Role of computed tomography in the diagnosis of complications of lumbar disk surgery] Pierron D, et al.
J Radiol 1985 Aug–Sep;66(8–9):497–501 (Eng. Abstr.) (Fre)
[Peritoneal amyloidosis in Waldenström's macroglobulinemia. X–ray computed tomographic aspects] Raffi F, et al. **J Radiol** 1985 Nov;66(11):735–8 (Eng. Abstr.) (Fre)
[Hematoma of the psoas. Comparative diagnostic contributions of ultrasonography and x–ray computed tomography] Rivasseau T, et al. **J Radiol** 1985 Nov; 66(11):731–4 (Eng. Abstr.) (Fre)
[X–ray computed tomographic analysis of structural changes

of the carpal bones, after section of the anterior annular ligament] Roger B, et al. **J Radiol** 1985 Nov;66(11):693–7 (Eng. Abstr.) (Fre)

[Non-traumatic myositis ossificans. Ultrasonic and x-ray computed tomographic aspects. Apropos of a case] Roy C, et al. **J Radiol** 1985 Jun–Jul;66(6–7):473–5 (Eng. Abstr.) (Fre)

[Evaluation of pathology of the small intestine by computed tomography. Apropos of 34 cases] Schnyder P, et al. **J Radiol** 1985 Dec;66(12):753–61 (Eng. Abstr.) (Fre)

[The best neuroradiological test in the preoperative investigation of lumbar sciatica. The neurosurgeon's point of view] Fankhauser H, et al. **Neurochirurgie** 1986; 32(1):37–9 (Eng. Abstr.) (Fre)

[X-ray computed tomography of the intervertebral foramen] Schubiger O, et al. **Neurochirurgie** 1986;32(1):58–61 (Fre)

[X-ray computed tomography or radiculography for the diagnosis of lumbar disk hernia] Bard M. **Presse Med** 1986 Jun 14;15(24):1125–6 (Fre)

[Algodystrophy of the knee. Value of x-ray computed tomography (letter)] Doury P, et al. **Presse Med** 1986 Mar 8;15(10):486 (Fre)

[Contribution of iodinated cisternography to craniocerebral computed tomography] Meder JF, et al. **Presse Med** 1984 Mar 10;13(10):615–9 (12 ref.) (Eng. Abstr.) (Fre)

[X-ray computed tomography in central pontine myelinolysis. 2 cases] Michel D, et al. **Presse Med** 1986 Jun 7;15(23):1081–3 (Eng. Abstr.) (Fre)

[Pigmented villonodular synovitis. Value of ultrasonic diagnosis and x-ray computed tomography (letter)] Taillan B, et al. **Presse Med** 1986 Feb 15;15(6):260 (Fre)

[Measurement of antetorsion of the femoral neck by ultrasonics. Comparison with x-ray computed tomography] Clarac JP, et al. **Rev Chir Orthop** 1985;71(6):365–8 (Eng. Abstr.) (Fre)

[Scanography of the shoulder. Experience with 120 scanographic studies simple or combined with double-contrast arthrography] Fery A, et al. **Rev Chir Orthop** 1985;71 Suppl 2:25–8 (Fre)

[Recurrent traumatic posterior luxation of the hip with defect of the sphericity of the femoral head. Value of x-ray computed tomography] Lemerle R, et al. **Rev Chir Orthop** 1986;72(2):139–41 (Eng. Abstr.) (Fre)

[Mixed fractures of the posterior wall of the acetabulum. Value of x-ray computed tomography] Lemerle R, et al. **Rev Chir Orthop** 1986;72(3):211–4 (Eng. Abstr.) (Fre)

[Refractory sciatica—scanner and/or contrast media] Massare C. **Rev Chir Orthop** 1985;71 Suppl 2:18–21 (Fre)

[Topographic and developmental study of primary osteochondritis of the hip by x-ray computed tomography] Moreno P, et al. **Rev Chir Orthop** 1986;72(3):173–82 (Eng. Abstr.) (Fre)

[Application of computerized tomography to transthoracic puncture] Nuttin G, et al. **Rev Mal Respir** 1985;2(5):307–12 (Eng. Abstr.) (Fre)

[Value of x-ray computed tomography in assessing the extent of invasive lympho-epithelial thymoma in the adult. Therapeutic implications] Ramon P, et al. **Rev Mal Respir** 1986;3(2):105–10 (Eng. Abstr.) (Fre)

[Place of computed tomography in diagnosis by medical imaging] Osteaux M, et al. **Rev Med Brux** 1986 Apr; 7(4):243–7 (Eng. Abstr.) (Fre)

[Treatment and prognosis of spinal cord diseases caused by cervical arthrosis] Milbouw G, et al. **Rev Med Liege** 1986 May 1;41(9):377–83 (Fre)

[Indices of severity in acute pancreatitis] de Senarclens C, et al. **Rev Med Suisse Romande** 1985 Oct;105(10):861–5 (Fre)

[Diagnostic and therapeutic punctures directed by the CAT scan] Hauser H. **Rev Med Suisse Romande** 1985 Oct; 105(10):925–35 (Fre)

[Clinical and developmental aspects of small brain stem hematomas. Contribution of x-ray computed tomography] le Coz P, et al. **Rev Neurol (Paris)** 1986;142(1):52–60 (Eng. Abstr.) (Fre)

[Hydro-syringomyelic cavities. Contributions of x-ray computed tomography and nuclear magnetic resonance. Value of syringoperitoneal shunt] Petit H, et al. **Rev Neurol (Paris)** 1985;141(10):644–54 (Eng. Abstr.) (Fre)

[Results of muscular x-ray computed tomography in 145 cases of neuromuscular disease] Serratrice G, et al. **Rev Neurol (Paris)** 1985;141(5):404–12 (Eng. Abstr.) (Fre)

[Thoracic puncture guided by x-ray computed tomography. Apropos of 125 cases] Dongay G, et al. **Rev Pneumol Clin** 1986;42(2):63–8 (Eng. Abstr.) (Fre)

[Adrenal metastases of bronchial cancer: value of x-ray computed tomography] Khalife K, et al. **Rev Pneumol Clin** 1985;41(6):381–5 (Eng. Abstr.) (Fre)

[Unusual indications for scanning in osteoarticular pathology] Bard M, et al. **Rev Rhum Mal Osteoartic** 1986 Mar; 53(3):169–75 (Eng. Abstr.) (Fre)

[The value of data processing in the computerized scanning of benign focal lesions of bone] Régent D, et al. **Rev Rhum Mal Osteoartic** 1986 Feb;53(2):77–82 (Fre)

[The contribution of computerized tomography to synovial pathology] Tamisier JN, et al. **Rev Rhum Mal Osteoartic** 1986 Feb;53(2):69–75 (Eng. Abstr.) (Fre)

[Role of computed tomography in the radiologic exploration of the pterygomaxillary fossa] Pierucci F, et al. **Rev Stomatol Chir Maxillofac** 1985;86(6):418–24 (Eng. Abstr.) (Fre)

[Contribution of x-ray computed tomography to the diagnosis of common pancreatic diseases] Hamza K, et al. **Tunis Med** 1986 Jan;64(1):7–11 (Fre)

[Clinical applications of 4th-generation x-ray computed tomography for the evaluation of intra-thoracic lesions and lesions of the extremities] Lavallée G, et al. **Union Med Can** 1986 Feb;115(2):95–102 (Eng. Abstr.) (Fre)

[4th-generation x-ray computed tomography in the study of diseases of the head, neck and spine] Milette PC, et al. **Union Med Can** 1986 Feb;115(2):104–11 (Eng. Abstr.) (Fre)

[Celiac plexus block. Modeling study using images of computerized tomography] Tolkadorf W, et al. **Anasth Intensivther Notfallmed** 1985 Aug;20(4):193–9 (Eng. Abstr.) (Ger)

[Cf-252 neutron therapy of cervical carcinoma: topometrical radiotherapy planning using an afterloading technic and computerized tomography] Merkle K, et al. **Arch Geschwulstforsch** 1986;56(3):203–10 (Eng. Abstr.) (Ger)

[Computer tomographic studies on wound ballistics of cranial gunshot injuries] Schumacher M, et al. **Beitr Gerichtl Med** 1985;43:95–101 (Eng. Abstr.) (Ger)

[Advantages of computerized tomography diagnosis in acetabular fractures] Kleinsorge F, et al. **Chirurg** 1985 Jul; 56(7):449–53 (Eng. Abstr.) (Ger)

[The importance of echocardiography for the diagnosis of cardiomyopathies in comparison to cardio-computer tomography and to complex invasive heart diagnostics] Schäfer RO, et al. **Cor Vasa** 1986;28(3):186–95 (Eng. Abstr.) (Ger)

[Muscle necroses—CT aspects] Franze I, et al. **Digitale Bilddiagn** 1985 Dec;5(4):190–4 (Eng. Abstr.) (Ger)

[Abdominal abscess—diagnostic progress via sonography and computed tomography] Gerlach A, et al. **Digitale Bilddiagn** 1986 Mar;6(1):18–24 (Eng. Abstr.) (Ger)

[CT demonstration of an entrapment syndrome of the popliteal artery] Goebel N, et al. **Digitale Bilddiagn** 1986 Mar;6(1):28–30 (Eng. Abstr.) (Ger)

[CT of a rare benign liver lymphangioma] Karkavitsas N, et al. **Digitale Bilddiagn** 1985 Sep;5(3):142–4 (Eng. Abstr.) (Ger)

[Computed tomography of primary pulmonary sarcomas] König R, et al. **Digitale Bilddiagn** 1986 Jun;6(2):70–2 (Eng. Abstr.) (Ger)

[CT diagnosis of soft tissue injuries in habitual shoulder dislocation] Kramps HA, et al. **Digitale Bilddiagn** 1985 Dec; 5(4):187–9 (Eng. Abstr.) (Ger)

[Computed tomographic diagnosis of the diaphragmatic lymph nodes in malignant lymphomas] Kullnig P, et al. **Digitale Bilddiagn** 1986 Jun;6(2):73–6 (Eng. Abstr.) (Ger)

[Value of computed tomography in acute adrenal failure] Peters J, et al. **Digitale Bilddiagn** 1986 Mar;6(1):25–7 (Eng. Abstr.) (Ger)

[Ileocecal invagination—an unequivocal computer tomography diagnosis] Peters J. **Digitale Bilddiagn** 1985 Dec;5(4):195–6 (Eng. Abstr.) (Ger)

[Determination of the integral dose in computer tomography of the neurocranium] Rahim H, et al. **Digitale Bilddiagn** 1985 Dec;5(4):197–201 (Eng. Abstr.) (Ger)

[Dissecting aneurysm of the thoracic aorta—the value of computed tomography] Schurawitzki H, et al. **Digitale Bilddiagn** 1986 Jun;6(2):77–80 (Eng. Abstr.) (Ger)

[Nuclear magnetic resonance tomography and computed tomography of the brain for detection of Wilson's disease] Uhlenbrock D, et al. **Digitale Bilddiagn** 1985 Sep;5(3):120–2 (Eng. Abstr.) (Ger)

[Scar tissue, organ atrophy and hypertrophy in the computed tomogram after abdominal surgery] Vogel H, et al. **Digitale Bilddiagn** 1985 Sep;5(3):138–41 (Eng. Abstr.) (Ger)

[Comparative visualization of a laryngocele in MR, CT and conventional x-ray diagnosis] Vogl T, et al. **Digitale Bilddiagn** 1986 Jun;6(2):64–6 (Eng. Abstr.) (Ger)

[Role of computed tomography in extrapulmonary tuberculosis] Planker M, et al. **Dtsch Med Wochenschr** 1985 Nov 29;110(48):1841–8 (Eng. Abstr.) (Ger)

[Candida abscesses in the liver and spleen. The sonographic and computed tomographic morphology] Schmidt H, et al. **Dtsch Med Wochenschr** 1986 May 23;111(21):816–20 (Eng. Abstr.) (Ger)

[Significance of the time factor for CCT findings in fully reversible stroke] Durner A, et al. **Fortschr Med** 1985 Aug 8;103(29):721–4 (Eng. Abstr.) (Ger)

[Thyroid gland diagnosis by image-producing procedures. 3. Radiological procedures and NMR tomography] Rummeny E, et al. **Fortschr Med** 1986 May 8; 104(18):367–71 (Eng. Abstr.) (Ger)

[Psychopathologic changes in chronic schizophrenic patients following withdrawal of neuroleptics: relation to therapeutic, neuroendocrine and computer tomography variables] Albus M, et al. **Fortschr Neurol Psychiatr** 1986 Jan;54(1):15–20 (Eng. Abstr.) (Ger)

[Cerebellar atrophy in epileptic patients: computer tomography study] Kesuler C, et al. **Fortschr Neurol Psychiatr** 1985 Dec;53(12):437–41 (Eng. Abstr.) (Ger)

[Contribution of computer tomography of the brain to differential typology and differential therapy of ischemic cerebral infarct] Ringelstein EB, et al. **Fortschr Neurol Psychiatr** 1985 Sep;53(9):315–36 (Eng. Abstr.) (Ger)

[Radiological elucidation studies in biliary tract diseases] Fuchs WA. **Helv Chir Acta** 1986 Apr;52(6):771–4 (Eng. Abstr.) (Ger)

[Radiologic diagnosis following implantation of an Ommaya reservoir (2)] Metz O, et al. **Kinderarztl Prax** 1985 Jun; 53(6):277–82 (Eng. Abstr.) (Ger)

[Computer tomography in partial optic nerve avulsion] Christ T, et al. **Klin Monatsbl Augenheilkd** 1985 Dec;187(6):531–3 (Eng. Abstr.) (Ger)

[Computer tomography findings of orbital changes within the scope of juvenile neurofibromatosis] Zanella FE, et al. **Klin Monatsbl Augenheilkd** 1986 Jan;188(1):57–9 (Eng. Abstr.) (Ger)

[Abnormalities of the central nervous system in the area of the posterior cranial fossa—neuroradiologic and clinical aspects] Agnoli AL, et al. **Klin Padiatr** 1986 Mar–Apr; 198(2):96–102 (Eng. Abstr.) (Ger)

[Results of ultrasonic, computer tomography and clinical findings for the detection of abdominal involvement in Hodgkin's disease in childhood—a retrospective statistical analysis of 145 patients in the therapeutic study DAL-HD-82] Schellong G, et al. **Klin Padiatr** 1986 May–Jun;198(3):147–54 (Eng. Abstr.) (Ger)

[Significance of computer tomography for operative tactics in esophageal cancer] Neugebauer W, et al. **Langenbecks Arch Chir** 1985;366:157–9 (Eng. Abstr.) (Ger)

[Value of computer tomography for evaluation of local operability and choice of surgical procedure in esophageal cancer] Ruf G, et al. **Langenbecks Arch Chir** 1985; 365(3):157–68 (Eng. Abstr.) (Ger)

[Significance of computerized tomography in middle ear diagnosis] Brunner E, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Jun;65(6):327–30 (Eng. Abstr.) (Ger)

[Diagnosis of a special form of hematotympanum with high resolution petrous bone CT. Case report] Haels J, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Jun;65(6):331–2 (Eng. Abstr.) (Ger)

[B-mode sonography of the neck. Comparison of results of sonography, computer tomography and pathomorphology] Westhofen M, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Aug;64(8):409–17 (Eng. Abstr.) (Ger)

[High-resolution computer tomography of osseous changes following radical operation of the maxillary sinuses] Zanella FE, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Feb;65(2):74–8 (Eng. Abstr.) (Ger)

[Intracranial hemorrhages in mature and premature infants. Computer tomography and clinical follow-up studies] Kopp W, et al. **Monatsschr Kinderheilkd** 1986 Feb; 134(2):84–8 (Eng. Abstr.) (Ger)

[CT of the chest and abdomen] Tschäppeler H. **Monatsschr Kinderheilkd** 1986 Jun;134(6):349–52 (Eng. Abstr.) (Ger)

[Value of lymphography, computer tomography and ultrasound in the diagnosis of infradiaphragmatic malignant lymphomas in children] Winkler P, et al. **Monatsschr Kinderheilkd** 1985 Nov;133(11):823–7 (Eng. Abstr.) (Ger)

[The apathy syndrome of schizophrenics. A psychopathologic and computerized tomography study] Mundt C. **Monogr Gesamtgeb Psychiatr (Berlin)** 1985; 38:1–157 (Eng. Abstr.) (Ger)

[CT findings in patients with thalamic pain] Henningsen H, et al. **Nervenarzt** 1986 Jan;57(1):42–6 (Ger)

[Hemiparesis in astrocytoma without findings in CT—with NMR findings] Zeit T, et al. **Nervenarzt** 1985 Nov; 56(11):638–40 (Ger)

[Significance of preoperative CT diagnosis of Echinococcus cysts of the brain] Mohadjer M, et al. **Neurochirurgia (Stuttg)** 1986 Mar;29(2):50–2 (Eng. Abstr.) (Ger)

[Computerized tomography of intracranial tuberculous lesions. 2 case reports] Nicola N, et al. **Neurochirurgia (Stuttg)** 1986 Jul;29(4):111–3 (Eng. Abstr.) (Ger)

[Computer tomography in diagnosis of ovarian cancer] Rohde U, et al. **Onkologie** 1985 Oct;8(5):272–5 (Eng. Abstr.) (Ger)

[Cranial computer tomography in children with an Ommaya reservoir] Metz O, et al. **Padiatr Grenzgeb** 1986; 25(1):101–12 (Eng. Abstr.) (Ger)

[Pericardial shadows caused by fatty tissue—the chest image and computer tomography] Goebel N. **Prax Klin Pneumol** 1985 Sep;39(9):309–14 (Eng. Abstr.) (Ger)

[Computer tomographic findings in carcinosarcoma of the lung] Steinbächer M, et al. **Prax Klin Pneumol** 1986 Jul; 40(7):312–5 (Eng. Abstr.) (Ger)

[Neuroradiology of the spinal canal with reference to computer tomography] Lehmann R, et al. **Psychiatr Neurol Med Psychol Beih** 1985;32:1–131 (Ger)

[Computer tomography identification of carriers of Duchenne progressive muscular dystrophy] Gellerich I, et

al. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Feb; 38(2):91–4 (Eng. Abstr.) (Ger)

[Computer tomography studies in irreversible cerebral function loss (brain death)] Planitzer J, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1985 Sep; 37(9):509–17 (Eng. Abstr.) (Ger)

[Epileptic seizures in young patients with hypodense lesions in the CT image] Wender M, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1985 Dec; 37(12):700–4 (Eng. Abstr.) (Ger)

[Control of the location of the afterloading applicator using computed tomography and effect on dose distribution in contact therapy of uterine cancer] Ehrhardt M, et al. **Radiobiol Radiother (Berl)** 1986;27(1):53–8 (Eng. Abstr.) (Ger)

[Possibilities and limitations of 3-dimensional CT-irradiation planning] Hegewald H, et al. **Radiobiol Radiother (Berl)** 1985;26(6):721–9 (Eng. Abstr.) (Ger)

[Use of computed tomography for irradiation planning in radiotherapy practice] Riessbeck KH, et al. **Radiobiol Radiother (Berl)** 1985;26(6):711–9 (Eng. Abstr.) (Ger)

[Value of computed tomography for the assessment of postoperative breast cancer recurrences and mediastinal metastases as a basis for irradiation planning] Rotte KH, et al. **Radiobiol Radiother (Berl)** 1985;26(6):731–6 (Eng. Abstr.) (Ger)

[Serial CT for the differential diagnosis of postoperative changes in the sellar area] Fauk D, et al. **Radiol Diagn (Berl)** 1985;26(5):671–4 (Eng. Abstr.) (Ger)

[Computed tomographic incidental finding of a hormone-inactive adrenal cortex adenoma] Garz G, et al. **Radiol Diagn (Berl)** 1985;26(6):761–6 (Eng. Abstr.) (Ger)

[Value of computed tomography in orbital tumors] Klöppel R, et al. **Radiol Diagn (Berl)** 1985;26(6):745–52 (Eng. Abstr.) (Ger)

[Role of CT in spinal trauma] Köhler K, et al. **Radiol Diagn (Berl)** 1985;26(6):735–44 (Eng. Abstr.) (Ger)

[Dynamic computed tomography—an aid in the differential diagnosis of liver masses] Lüning M, et al. **Radiol Diagn (Berl)** 1985;26(4):501–15 (Eng. Abstr.) (Ger)

[Computed tomography following surgery of cerebellopontile angle tumors] Vogel H, et al. **Radiol Diagn (Berl)** 1986;27(2):245–7 (Eng. Abstr.) (Ger)

[Premedication and risks in computed tomography of newborn and infant children] Abel M. **Radiologe** 1985 Dec; 25(12):599–601 (Eng. Abstr.) (Ger)

[Reversible computed tomographic changes following brain tumor irradiation induced by the "early-delayed reaction" after radiation] Fiegler W, et al. **Radiologe** 1986 Apr; 26(4):206–9 (Eng. Abstr.) (Ger)

[Pancreatic pseudoaneurysm and spurious aneurysm of the splenic artery—diagnosis by angio-CT and ultrasound] Gamroth A, et al. **Radiologe** 1986 Feb;26(2):73–5 (Eng. Abstr.) (Ger)

[Information value of x-ray computed tomography for the detection and control of spondylitis] Heuck F, et al. **Radiologe** 1985 Jul;25(7):307–17 (Eng. Abstr.) (Ger)

[Computerized tomography in the acute diagnosis of spinal injuries] Imhof H, et al. **Radiologe** 1986 May;26(5):242–7 (Eng. Abstr.) (Ger)

[Sagittal widths of the cervical spinal canal in the computerized tomogram] Kock C. **Radiologe** 1986 May; 26(5):239–41 (Eng. Abstr.) (Ger)

[CT diagnosis of a mycotic aneurysm of the femoral artery following typhoid infection] Löhr E, et al. **Radiologe** 1986 Mar;26(3):159–61 (Eng. Abstr.) (Ger)

[Use of computed tomography for quantifying Thorotrast and detecting Thorotrast-induced liver tumors] van Kaick G, et al. **Radiologe** 1986 Mar;26(3):123–8 (Eng. Abstr.) (Ger)

[Computed tomographic findings in amebiasis] Wagner-Manslau C, et al. **Radiologe** 1985 Dec;25(12):597–8 (Eng. Abstr.) (Ger)

[Diagnostic imaging potentialities of nuclear resonance tomography. Changes in vertebrae, ligaments and intervertebral disks in comparison with computed tomography] Wimmer B, et al. **Radiologe** 1986 Mar; 26(3):137–43 (Eng. Abstr.) (Ger)

[Normal anatomic measurements in cervical computed tomograms] Zaunbauer W, et al. **Radiologe** 1985 Nov; 25(11):521–4 (Eng. Abstr.) (Ger)

[NMR and CT studies in acute and late-stage cerebral infarct] Becker H, et al. **ROFO** 1985 Oct;143(4):381–7 (Eng. Abstr.) (Ger)

[Computed tomographic findings in diffuse malignant pleural mesothelioma] Bohndorf K, et al. **ROFO** 1985 Sep; 143(3):279–84 (Eng. Abstr.) (Ger)

[Pancreas divisum as a possible cause of misinterpretation in ERCP, computed tomography, sonography and MDP] Brambs HJ, et al. **ROFO** 1986 Mar;144(3):273–7 (Eng. Abstr.) (Ger)

[Unusual computed tomographic findings following shunting of hydrocephalus internus permagnus] Busch G. **ROFO** 1986 Apr;144(4):470–3 (Ger)

[Computed tomographic diagnosis of a bone lipoma] Crone-Münzebrock W, et al. **ROFO** 1986 Mar;144(3):363–4 (Ger)

[Computed tomography of soft tissue tumors of the extremities] Crone-Münzebrock W, et al. **ROFO** 1986 Jan; 144(1):83–8 (Eng. Abstr.) (Ger)

[Comparative imaging of tuberous sclerosis of the brain in the computed tomogram and the nuclear magnetic resonance tomogram] Dörnemann H, et al. **ROFO** 1986 May;144(5):614–6 (Ger)

[Gas in the pancreas: value of computed tomography] Elbrechtz F, et al. **ROFO** 1986 Jan;144(1):63–6 (Eng. Abstr.) (Ger)

[Portal vein aneurysm. Sonographic and computerized tomographic diagnosis] Fahrendorf G, et al. **ROFO** 1986 Jun;144(6):732–4 (Ger)

[Nuclear magnetic resonance tomography of the spine and spinal cord compared with computed tomography and myelography] Fenzl G, et al. **ROFO** 1986 Jun; 144(6):636–43 (Eng. Abstr.) (Ger)

[CT studies following ethanol embolization of malignant kidney tumors] Fischedick AR, et al. **ROFO** 1986 Jan; 144(1):76–9 (Eng. Abstr.) (Ger)

[CT-cisternography of the basal cisterns. A roentgen anatomic study] Galanski M, et al. **ROFO** 1986 Aug; 145(2):149–57 (Eng. Abstr.) (Ger)

[Portal circulation following Warren's operation. Long-term control using computerized tomography] Gostner P, et al. **ROFO** 1986 Jun;144(6):711–6 (Eng. Abstr.) (Ger)

[Computed tomographic diagnosis and differential diagnosis of malignant paranasal sinus tumors] Graber HR, et al. **ROFO** 1986 Apr;144(4):405–12 (Eng. Abstr.) (Ger)

[Computed tomography in esophageal carcinoma. A prospective study] Grosser G, et al. **ROFO** 1985 Sep; 143(3):288–93 (Eng. Abstr.) (Ger)

[Computed tomographic and sonographic detection of renal and perirenal changes following shockwave lithotripsy] Grote R, et al. **ROFO** 1986 Apr;144(4):434–9 (Eng. Abstr.) (Ger)

[Magnetic resonance tomography of focal liver lesions in comparison with computed tomography and sonography] Hamm B, et al. **ROFO** 1986 Mar;144(3):278–86 (Eng. Abstr.) (Ger)

[Computed tomographic study of portal venous contrast medium perfusion of the liver] Hoevels J, et al. **ROFO** 1986 Jan;144(1):52–6 (Eng. Abstr.) (Ger)

[Computerized tomography and sonography in the diagnosis of recurrent colorectal tumors] Hollmann JP, et al. **ROFO** 1985 Dec;143(6):665–71 (Eng. Abstr.) (Ger)

[Cranial computed tomography in maple syrup urine disease] Irnberger T, et al. **ROFO** 1986 Apr;144(4):413–7 (Eng. Abstr.) (Ger)

[High-resolution coronal computed tomography in endocrine-active pituitary microadenomas with special reference to their contrast medium dynamics] Irnberger T. **ROFO** 1985 Sep;143(3):315–21 (Eng. Abstr.) (Ger)

[Fibrous bone dysplasia and ossifying bone fibroma in the orbital and periorbital region with special reference to CT] Irnberger T. **ROFO** 1985 Nov;143(5):569–74 (Eng. Abstr.) (Ger)

[Computed tomographic determination of thyroid iodine concentration in an endemic goiter area] Joseph K, et al. **ROFO** 1986 Apr;144(4):417–21 (Eng. Abstr.) (Ger)

[Computed tomography of pseudomyxoma peritonei] Kahn T, et al. **ROFO** 1986 Apr;144(4):468–9 (Ger)

[Nuclear magnetic resonance tomography of the temporomandibular joint. Comparison with computerized tomography and arthrography] Katzberg RW, et al. **ROFO** 1986 Jul;145(1):38–43 (Eng. Abstr.) (Ger)

[Magnetic resonance tomography (MRT) and computed tomography (CT) of bronchial carcinoma. Comparison of the value of both study methods for preoperative staging] König R, et al. **ROFO** 1986 Apr;144(4):377–83 (Eng. Abstr.) (Ger)

[Value of high-resolution CT in diagnosing acquired cholesteatoma of the middle ear] Köster O, et al. **ROFO** 1985 Sep;143(3):322–6 (Eng. Abstr.) (Ger)

[Sonography and computed tomography before and after liver resection and transplantation] Köster O, et al. **ROFO** 1986 Jan;144(1):56–62 (Eng. Abstr.) (Ger)

[Preoperative staging of bronchial carcinoma. Value of magnetic resonance in comparison with computed tomography] Krestin GP, et al. **ROFO** 1986 Mar; 144(3):294–9 (Eng. Abstr.) (Ger)

[Pleural infiltration by peripheral bronchial carcinoma. Is computed tomography reliable?] Krestin GP, et al. **ROFO** 1986 Apr;144(4):384–7 (Eng. Abstr.) (Ger)

[Value of MR tomography vs. CT in the diagnosis of rectal carcinoma and its recurrence] Küper K, et al. **ROFO** 1985 Sep;143(3):301–6 (Eng. Abstr.) (Ger)

[Posterior defects of the patella on CT arthrograms. Detection and differential diagnosis] Lehner K, et al. **ROFO** 1986 Jan;144(1):95–9 (Eng. Abstr.) (Ger)

[CT in radiotherapy. Its value in computer-supported 3D-irradiation planning for the breast] Löffler E, et al. **ROFO** 1985 Dec;143(6):685–91 (Eng. Abstr.) (Ger)

[Rounded atelectasis in the computerized tomographic image] Lörcher U. **ROFO** 1986 Jun;144(6):662–4 (Eng. Abstr.) (Ger)

[Results of the diagnosis of adrenal masses using percutaneous CT-guided fine needle biopsy] Lüning M, et al. **ROFO** 1986 Feb;144(2):154–9 (Eng. Abstr.) (Ger)

[Importance of computed tomography in the diagnosis and differential diagnosis of primary adrenal tumors] Nicolas V, et al. **ROFO** 1985 Oct;143(4):437–43 (Eng. Abstr.) (Ger)

[Computerized tomographic study of medieval coffins] Peters E, et al. **ROFO** 1986 Jul;145(1):97–9 (Eng. Abstr.) (Ger)

[Value of computerized tomography for the assessment of the parametrium in cervical cancer] Räber G, et al. **ROFO** 1985 Nov;143(5):544–9 (Eng. Abstr.) (Ger)

[Experimental studies on the accuracy of mineral content assessment in spongiosa bone using quantitative CT (single energy measurement)] Rohloff R, et al. **ROFO** 1985 Dec; 143(6):692–7 (Eng. Abstr.) (Ger)

[Diagnosis of neurofibromatosis by nuclear resonance tomography] Schepp S, et al. **ROFO** 1986 Apr;144(4):473–6 (Ger)

[Energy dependence of Hounsfield numbers] Schmitt WG. **ROFO** 1986 Aug;145(2):221–3 (Eng. Abstr.) (Ger)

[Epidural empyema and orbital phlegmon. Computerized tomographic diagnosis of rare complications of sinusitis] Sigmund G, et al. **ROFO** 1986 Jul;145(1):33–7 (Eng. Abstr.) (Ger)

[Value of computerized tomography in the diagnosis of recurrence in malignant head and neck tumors] Sigmund G, et al. **ROFO** 1985 Oct;143(4):398–407 (Eng. Abstr.) (Ger)

[Dosimetry in computerized tomography] Singer P, et al. **ROFO** 1985 Nov;143(5):549–52 (Eng. Abstr.) (Ger)

[Results of a comparative study of MR, CT and sonography of patients with primary hyperparathyroidism] Vogl T, et al. **ROFO** 1986 Aug;145(2):167–72 (Eng. Abstr.) (Ger)

[The effect of beam hardening on CT values] Weidenmaier W, et al. **ROFO** 1985 Dec;143(6):697–701 (Eng. Abstr.) (Ger)

[Malignant pleural mesothelioma. Value of 67Ga scintigraphy compared to computerized tomography] Wentz KU, et al. **ROFO** 1986 Jul;145(1):61–6 (Eng. Abstr.) (Ger)

[Hernias in the computed tomogram of the abdomen] Wimmer B, et al. **ROFO** 1985 Oct;143(4):443–9 (Eng. Abstr.) (Ger)

[Computed tomography in hypophyseal abscess] Appel W, et al. **Rontgenblatter** 1986 Jun;39(6):164–6 (Eng. Abstr.) (Ger)

[Comparison of computer tomography and conventional roentgen diagnosis in benign and malignant bone tumors of the spine] Crone-Münzebrock W, et al. **Rontgenblatter** 1986 Jul;39(7):193–202 (Eng. Abstr.) (Ger)

[Chylopericardium as a rare cause of a "large" heart shadow—2 case reports] Fezoulidis I, et al. **Rontgenblatter** 1986 Feb;39(2):43–6 (Eng. Abstr.) (Ger)

[Carcinosarcoma of the gallbladder in the computed tomogram] Grote R, et al. **Rontgenblatter** 1986 Jan; 39(1):17–20 (Eng. Abstr.) (Ger)

[Computer tomography diagnosis of space-occupying lesions in the area of the base of the skull] Jend HH, et al. **Rontgenblatter** 1986 Apr;39(4):89–93 (Eng. Abstr.) (Ger)

[Diagnosis of lumbar intervertebral disk prolapse by computed tomography. A comparative clinical study between myelographic, computed tomographic and the surgical research results with 158 patients] Kampmann H, et al. **Rontgenblatter** 1985 Dec;38(12):387–91 (Eng. Abstr.) (Ger)

[Inoperable cancer of the left hepatic duct—CT criterion and relation to angiography findings] Reichelt HG. **Rontgenblatter** 1985 Nov;38(11):348–9 (Eng. Abstr.) (Ger)

[Diagnosis of lesions in the area of the facial skull—indications and effectiveness of the conventional roentgen technic in comparison with computer tomography] Rieden K, et al. **Rontgenblatter** 1986 Apr; 39(4):102–9 (Eng. Abstr.) (Ger)

[Computer tomography in injuries of the cervical vertebrae] Robotti GC, et al. **Rontgenblatter** 1986 Feb;39(2):29–32 (Eng. Abstr.) (Ger)

[Computer tomography in bone metastases] Skjldt T, et al. **Rontgenblatter** 1985 Nov;38(11):342–4 (Eng. Abstr.) (Ger)

[CT study of aortic aneurysms with complications] Skjødt T, et al. **Rontgenblatter** 1986 Feb;39(2):40–2 (Eng. Abstr.) (Ger)

[Computer tomography following hypophysectomy] Vogel H, et al. **Rontgenblatter** 1985 Nov;38(11):339–41 (Eng. Abstr.) (Ger)

[Interpretation of the computed tomogram following lumbar intervertebral disk operations] Sielecki S, et al. **Rontgenpraxis** 1986 Apr;39(4):115–21 (Ger)

[Importance of computed tomography for the diagnosis, staging and follow-up of cervix cancer] Waldmann R, et al. **Rontgenpraxis** 1986 Jan;39(1):11–20 (Ger)

[Comparison of an ionic (ioglicinate) with a non-ionic (iohexol) contrast medium in renal computed tomography] Weigert F, et al. **Rontgenpraxis** 1986 May;39(5):167–70 (Ger)

[Radiologic follow-up of the replacement of the ascending aorta with a composite graft. Comparison of angiography and computed tomography] Baur HR, et al. **Schweiz Med Wochenschr** 1985 Nov 9;115(45):1606–9 (Eng. Abstr.) (Ger)

[Acute pancreatitis in computerized tomography] Otto R, et al. **Schweiz Rundsch Med Prax** 1985 Oct 15; 74(42):1147–50 (Eng. Abstr.) (Ger)

[The significance of computerized tomography in the diagnosis and follow-up of paranasal sinus malignancies] Zbären P, et al. **Schweiz Rundsch Med Prax** 1985 May 21; 74(21):558–61 (Eng. Abstr.) (Ger)

[Computed tomographic follow-up controls after the radiotherapy of brain metastases] Crone-Münzebrock W, et al. **Strahlenther Onkol** 1986 Jan;162(1):44–50 (Eng. Abstr.) (Ger)

[Comparison of the computed tomographic changes and the clinical course following the irradiation of intracranial tumors and metastases] Fiegler W, et al. **Strahlenther Onkol** 1986 Mar;162(3):145–51 (Eng. Abstr.) (Ger)

[Value and merit of computer tomography as a primary examination method in polytraumatized patients] Freyschmidt J, et al. **Unfallchirurg** 1986 Apr;89(4):155–9 (Eng. Abstr.) (Ger)

[Computerized tomography in Sudeck's syndrome] Nutz V, et al. **Unfallchirurg** 1986 Feb;89(2):68–73 (Eng. Abstr.) (Ger)

[Determination of rotational defects of the femur by computer tomographic determination of the antetorsion angle of the femoral neck] Wissing H, et al. **Unfallchirurgie** 1986 Feb;12(1):1–11 (Eng. Abstr.) (Ger)

[Renal tumor diagnosis with ultrasound and CT] Heckemann R, et al. **Urologe [A]** 1985 Sep;24(5):243–52 (Eng. Abstr.) (Ger)

[Nonbulky nonseminomas: N-staging value of image-producing study procedures with reference to possible surveillance management] Tradowsky M, et al. **Urologe [A]** 1986 May;25(3):160–3 (Eng. Abstr.) (Ger)

[Computer tomography diagnosis in ruptured aortic aneurysm of the abdomen] Schwarzbach C, et al. **Vasa** 1985;14(4):353–6 (Eng. Abstr.) (Ger)

[Imaging diagnosis in echinococcosis of the liver] Lotritsch KH, et al. **Wien Klin Wochenschr** 1986 Mar 7;98(5):146–51 (Eng. Abstr.) (Ger)

[Addison's disease with enlarged adrenal glands in sonography and computer tomography. Differential diagnostic considerations based on 2 cases of tuberculous adrenalitis] Renner F, et al. **Wien Klin Wochenschr** 1986 Apr 18;98(8):244–9 (Eng. Abstr.) (Ger)

[Value of biochemical and imaging procedures for the diagnosis and prognosis of acute pancreatitis—results of a prospective clinical study] Büchler M, et al. **Z Gastroenterol** 1986 Feb;24(2):100–9 (Eng. Abstr.) (Ger)

[Correlation of the organic psychosyndrome in the aged with technical findings—value of EEG and CCT in psychiatric diseases in the aged] Pillhatsch K. **Z Gerontol** 1985 Nov-Dec;18(6):330–6 (Eng. Abstr.) (Ger)

[Pre- and postoperative computer tomography diagnosis of aortic isthmus stenosis] Krosse B, et al. **Z Gesamte Inn Med** 1985 Aug 1;40(15):446–8 (Eng. Abstr.) (Ger)

[Confirming a mediastinal lipoma with cardiac computerized tomography] Krosse B, et al. **Z Gesamte Inn Med** 1986 Jan 1;41(1):20–2 (Eng. Abstr.) (Ger)

[Computer tomography determination of the torsion angle of the humerus] Dähnert W, et al. **Z Orthop** 1986 Jan-Feb; 124(1):46–9 (Eng. Abstr.) (Ger)

[Value of myelography and computer tomography in problem cases of lumbar intervertebral disk diagnosis] Kratzer M, et al. **Z Orthop** 1986 Jan-Feb;124(1):107–11 (Eng. Abstr.) (Ger)

[Computer tomography in the assessment of neurologic complications in ankylosing spondylitis (the CT triad in the cauda equina syndrome)] Dihlmann W, et al. **Z Rheumatol** 1986 May-Jun;45(3):126–8 (Eng. Abstr.) (Ger)

[Value of computer tomography for prognosis evaluation, follow-up and choice of therapy in acute pancreatitis] Buhtz C, et al. **Zentralbl Chir** 1985;110(20):1282–6 (Ger)

[Roentgen computer tomography and sonography in thyroid gland diagnosis] Pfannenstiel P, et al. **Zentralbl Chir** 1985; 110(18):1105–14 (Eng. Abstr.) (Ger)

[Computer tomography of tumors of the lateral and 3d ventricle] Dietrich J, et al. **Zentralbl Neurochir** 1985; 46(2):114–8 (Eng. Abstr.) (Ger)

[Computerized tomography in psychiatry (editorial)] Hes JP, et al. **Harefuah** 1985 Aug;108(3–4):101–3 (Heb)

[Computed tomography of the brain in dementia (editorial)] Reider-Groswasser I, et al. **Harefuah** 1985 Dec 15; 109(12):415–7 (Heb)

[CT in the evaluation of the extension of bronchogenic carcinoma] Rossi A, et al. **Acta Biomed Ateneo Parmense** 1985;56(4–5):213–20 (Eng. Abstr.) (Ita)

[Evaluation of the density of a normal parotid gland by computerized tomography] Pozzi Mucelli RS, et al. **Acta Otorhinolaryngol Ital** 1985 Mar-Apr;5(2):217–24 (Eng. Abstr.) (Ita)

[Computerized axial tomography in the assessment of an isolated epileptic crisis] Anzola GP. **Boll Soc Ital Biol Sper** 1985 Sep 30;61(9):1371–7 (Eng. Abstr.) (Ita)

[Diagnostic up-date in thrombosis of the portal vein] Scicolone G, et al. **Chir Ital** 1985 Dec;37(6):640–50 (Eng. Abstr.) (Ita)

[Value and limitations of computerized axial tomography in the diagnostic study of synovial sarcoma (study of 13 case reports)] Boriani S, et al. **Chir Organ Mov** 1985 Apr-Jun; 70(2):149–56 (Eng. Abstr.) (Ita)

[Difficulties and limitations in computed x-ray tomography of lumbar spinal root compression] Gambirioli PL, et al. **Chir Organ Mov** 1985 Oct-Dec;70(4):321–30 (Eng. Abstr.) (Ita)

[Considerations on some particular cases of post-traumatic thoraco-lumbar instability] Solini A, et al. **Chir Organ Mov** 1985 Jan-Mar;70(1):23–30 (Eng. Abstr.) (Ita)

[X-ray computed tomography (CT) findings in carcinoma of Vater's papilla: diagnostic-clinical study] Breda M, et al. **Chir Patol Sper** 1983 Aug;31(4):157–62 (Eng. Abstr.) (Ita)

[Comparison between computerized tomography and echotomography in the study of hepatic hydatidosis] Boni L, et al. **Clin Ter** 1985 Aug 31;114(4):331–5 (Eng. Abstr.) (Ita)

[Importance of cerebral computed axial tomography in the diagnosis of epilepsy. Description of a case] De Giuli G, et al. **Clin Ter** 1985 Nov 15;115(3):205–9 (Eng. Abstr.) (Ita)

[Subarachnoid hemorrhage caused by rupture of cerebral aneurysm. Value of neuroradiological studies] Cecchini A, et al. **Minerva Med** 1986 Jun 8;77(24):1059–69 (65 ref.) (Eng. Abstr.) (Ita)

[Acute cerebral hemorrhage in childhood. Neuroradiological studies] Gajno TM. **Minerva Med** 1986 Jun 16; 77(25):1131–43 (Eng. Abstr.) (Ita)

[Neuroradiology of spontaneous cerebral hematomas] Martelli A, et al. **Minerva Med** 1986 Jun 16;77(25):1201–7 (Eng. Abstr.) (Ita)

[Usefulness of CT in the study of fractures of the mandibular condyle] Boccardi A, et al. **Minerva Stomatol** 1985 Sep-Oct;34(5):859–64 (Eng. Abstr.) (Ita)

[Usefulness of computerized axial tomography in symptomatic trigeminal neuralgia] Rabbia C, et al. **Minerva Stomatol** 1985 Nov-Dec;34(6):891–7 (Eng. Abstr.) (Ita)

[Aspects and behavior of x-ray computed tomographic studies in subacute sclerosing panencephalitis] Nurchi AM, et al. **Pediatr Med Chir** 1985 Sep-Oct;7(5):735–41 (Eng. Abstr.) (Ita)

[Pancreatic needle biopsy guided by ultrasound or CT] Andreis M, et al. **Radiol Med (Torino)** 1984 Dec; 70(12):958–62 (Eng. Abstr.) (Ita)

[Present role of diagnostic imaging in the study of extensive pathology of the parotid gland] Armillotta M, et al. **Radiol Med (Torino)** 1986 May;72(5):291–6 (Eng. Abstr.) (Ita)

[Ultrasonography and computerized tomography in the determination of the femoral angle of anteversion. Experimental and clinical comparative study] Baratelli M, et al. **Radiol Med (Torino)** 1985 Jun;71(6):413–6 (Eng. Abstr.) (Ita)

[Traditional radiologic and tomodensitometric aspects of the so-called Stafne's cysts] Bianchi SD, et al. **Radiol Med (Torino)** 1986 Jul-Aug;72(7–8):534–8 (Eng. Abstr.) (Ita)

[Dissecting aneurysm of the aorta and pheochromocytoma. X-ray computed tomography] Cecconi P, et al. **Radiol Med (Torino)** 1984 Dec;70(12):1012–3 (Ita)

[CT description in 3 cases of primary heart neoplasms] Coppola V, et al. **Radiol Med (Torino)** 1985 May; 71(5):342–5 (Ita)

[Computerized tomography in the study of myelopathy in cervical spondylosis] Crisi G, et al. **Radiol Med (Torino)** 1985 Jul-Aug;71(7–8):471–8 (Eng. Abstr.) (Ita)

[Magnetic resonance and computerized tomography in the study of hypophyseal adenomas. Comparative results] Dal Pozzo G, et al. **Radiol Med (Torino)** 1985 Jun;71(6):379–91 (Eng. Abstr.) (Ita)

[CT x-ray in recurrences of lumbar disk herniation. Usefulness of the examination with contrast enhancement] Del Favero C, et al. **Radiol Med (Torino)** 1984 Nov; 70(11):866–70 (Eng. Abstr.) (Ita)

[Computerized tomography in the diagnosis and follow-up of 3 cases of primary suprasellar germinoma] Delle Monache C, et al. **Radiol Med (Torino)** 1986 Jan-Feb; 72(1–2):22–5 (Eng. Abstr.) (Ita)

[Findings in myelographic block. Correlations with computerized tomography image] de Morpurgo P, et al. **Radiol Med (Torino)** 1986 Jul-Aug;72(7–8):560–3 (Eng. Abstr.) (Ita)

[Heart transplants. The value of computerized tomography] Di Guglielmo L, et al. **Radiol Med (Torino)** 1986 Jun; 72(6):350–7 (Eng. Abstr.) (Ita)

[The value of computed tomography in the study of torsion of the lower limbs] Failoni S, et al. **Radiol Med (Torino)** 1985 Jun;71(6):409–12 (Eng. Abstr.) (Ita)

[Small fat-containing focal renal lesions: echographic and CT aspects] Fanfani S, et al. **Radiol Med (Torino)** 1985 May;71(5):321–5 (Eng. Abstr.) (Ita)

[Computerized tomography in the study of tumors of soft tissues] Garbagna P, et al. **Radiol Med (Torino)** 1984 Nov; 70(11):883–5 (Ita)

[Multidisciplinary radiological diagnosis of hepatic angioma in cancer patients] Garbagnati F, et al. **Radiol Med (Torino)** 1985 May;71(5):329–33 (Eng. Abstr.) (Ita)

[Sialography, echography and computerized tomography in the study of the parotid region] Gozzi G, et al. **Radiol Med (Torino)** 1985 Nov;71(11):752–6 (Eng. Abstr.) (Ita)

[Anomalous unilateral single pulmonary vein. Diagnostic importance of computerized tomography] Lutman M, et al. **Radiol Med (Torino)** 1986 Apr;72(4):239–42 (Ita)

[Radiological study of pleural plaques in asbestosis. Contribution of oblique projection views and computerized tomography] Maffessanti M, et al. **Radiol Med (Torino)** 1984 Nov;70(11):825–9 (Eng. Abstr.) (Ita)

[Usefulness of CT in the evaluation of hematoma of the iliopsoas muscle in hemophiliacs] Perri G, et al. **Radiol Med (Torino)** 1986 Jan-Feb;72(1–2):3–6 (Eng. Abstr.) (Ita)

[Peritoneal pseudomyxoma. Diagnostic role of CT and ultrasonics] Perri G, et al. **Radiol Med (Torino)** 1986 May; 72(5):287–90 (Eng. Abstr.) (Ita)

[Computerized tomography in acetabular fractures] Piazza P, et al. **Radiol Med (Torino)** 1986 Jun;72(6):480–4 (Eng. Abstr.) (Ita)

[Adrenal tuberculosis in 13 patients with Addison's disease. CT findings] Pozzi Mucelli R, et al. **Radiol Med (Torino)** 1985 Sep;71(9):606–10 (Eng. Abstr.) (Ita)

[Multiplanar computerized angiotomography in the evaluation of aneurysms of the posterior inferior cerebellar artery] Pricca P, et al. **Radiol Med (Torino)** 1986 Jan-Feb; 72(1–2):17–21 (Eng. Abstr.) (Ita)

[Computerized tomography in the assessment of soft-tissue neoplasms. Observations in 124 cases] Torricelli P, et al. **Radiol Med (Torino)** 1986 Jun;72(6):472–9 (Eng. Abstr.) (Ita)

[Calcified gastric cancer: traditional study, CT and differential diagnosis] Vadalà G, et al. **Radiol Med (Torino)** 1986 Jan-Feb;72(1–2):61–4 (Ita)

[Role of computerized tomography in the diagnosis of adipose neoformations of the chest and abdomen] Vignali C, et al. **Radiol Med (Torino)** 1986 Jul-Aug;72(7–8):513–20 (Eng. Abstr.) (Ita)

[Computerized tomography and myelography. Indications and integration] Fabris G. **Riv Neurobiol** 1984 Apr-Sep; 30(2–3):539–43 (Eng. Abstr.) (Ita)

[A parallel study of CT findings and histopathology of metastatic liver tumors] Hayakawa K, et al. **Gan No Rinsho** 1986 Mar;32(3):274–80 (Eng. Abstr.) (Jpn)

[The role of computed tomography in the follow-up of cancers of the head and neck] Ikeda H, et al. **Gan No Rinsho** 1986 Jan;32(1):8–16 (Eng. Abstr.) (Jpn)

[The usefulness of CT in the preoperative diagnosis of metastatic lung nodules—a study with resected cases] Miura K, et al. **Gan No Rinsho** 1986 Jan;32(1):41–4 (Eng. Abstr.) (Jpn)

[A case of liver metastasis from a testicular tumor indicated by unreasonable CT findings—correlation of CT and autopsied specimen] Okazaki A, et al. **Gan No Rinsho** 1985 Dec;31(15):1933–9 (Eng. Abstr.) (Jpn)

[A comparative diagnostic study of staging in renal cell carcinoma] **Gan To Kagaku Ryoho** 1986 Apr;13(4 Pt 2):1702–9 (Eng. Abstr.) (Jpn)

[Imaging diagnosis of head and neck cancer—diagnosis of laryngeal cancer, hypopharyngeal cancer and cancer of the cervical esophagus by CT x-ray] Kato T, et al. **Gan To Kagaku Ryoho** 1986 Apr;13(4 Pt 2):1674–9 (Eng. Abstr.) (Jpn)

[The role of computed tomography in the diagnosis and treatment of malignant tumors of the nasal cavity, paranasal sinuses and nasopharynx] Kondo M, et al. **Gan To Kagaku Ryoho** 1986 Apr;13(4 Pt 2):1680–5 (Eng. Abstr.) (Jpn)

[Computerized tomography in the diagnosis and follow-up of retroperitoneal fibrosis] Arai Y, et al. **Hinyokika Kiyo** 1985 Sep;31(9):1609–17 (Eng. Abstr.) (Jpn)

[The limit in differential diagnosis of renal angiomyolipoma from renal cell carcinoma on computerized tomography: a case report] Fujimoto N, et al. **Hinyokika Kiyo** 1986 Feb; 32(2):227–31 (Eng. Abstr.) (Jpn)

[Diagnosis of retroperitoneal lymph node swelling by computed tomography in advanced testicular cancer patients, with special reference to retrocrural lymph node swelling] Kawamura J, et al. **Hinyokika Kiyo** 1985 Jul; 31(7):1105–16 (Eng. Abstr.) (Jpn)

[Diagnostic importance of CT in early stage renal cell carcinoma] Nagai N, et al. **Hinyokika Kiyo** 1985 Jul; 31(7):1137–41 (Eng. Abstr.) (Jpn)

[Asymptomatic renal cell carcinoma incidentally detected by abdominal CT] Takigawa H, et al. **Hinyokika Kiyo** 1986 Feb;32(2):249–52 (Eng. Abstr.) (Jpn)

[Staging of bladder tumors by angiography, ultrasonography and computed tomography] Uchida T, et al. **Hinyokika Kiyo** 1985 Jun;31(6):949–59 (Eng. Abstr.) (Jpn)

[Two cases of nonfunctioning adrenocortical adenoma] Wakabayashi Y, et al. **Hinyokika Kiyo** 1985 Jun; 31(6):1001–4 (Eng. Abstr.) (Jpn)

[A method to remove shadows from conventional X-ray tomogram] Asada N, et al. **Iyodenshi To Seitai Kogaku** 1985 Sep;23(5):325–8 (Eng. Abstr.) (Jpn)

[A diagnostic information management system for the evaluation of medical images] Higa T, et al. **Iyodenshi To Seitai Kogaku** 1985 Apr;23(2):87–92 (Eng. Abstr.) (Jpn)

[Image processing technics—the focus on software. 3. Standardization in medical imaging] Onoe M. **Iyodenshi To Seitai Kogaku** 1985 Apr;23(2):130–8 (Jpn)

[Clinical evaluation of cerebral perfusion imaging with 123I-IMP in the patients with cerebrovascular disease—a comparison with 133Xe and X-CT] Hoshi H, et al. **Kaku Igaku** 1985 Oct;22(10):1485–93 (Eng. Abstr.) (Jpn)

[A method of obtaining accurate correlations between the positron emission tomogram and the X-ray computed tomogram] Ogawa T, et al. **Kaku Igaku** 1985 Jun; 22(6):907–11 (Eng. Abstr.) (Jpn)

[Clinical evaluation of N-isopropyl-p-I-123-iodoamphetamine in cerebrovascular disorders—comparison study with X-ray CT and positron CT] Wada M, et al. **Kaku Igaku** 1985 Oct;22(10):1477–83 (Eng. Abstr.) (Jpn)

[A case of splenic abscess diagnosed by computed tomography] Yamasaku F. **Kansenshogaku Zasshi** 1983 Jun; 57(6):543–7 (Eng. Abstr.) (Jpn)

[Computed tomography diagnosis of pulmonary artery aneurysm] Maeno K, et al. **Kokyu To Junkan** 1986 May; 34(5):559–63 (Eng. Abstr.) (Jpn)

[Usefulness of dynamic computed tomographic scanning in the diagnosis of atrial septal defects] Nakagawa M, et al. **Kokyu To Junkan** 1985 Aug;33(8):1047–50 (Eng. Abstr.) (Jpn)

[MRI of aortic aneurysms—comparison with CT] Takamiya M, et al. **Kokyu To Junkan** 1986 May;34(5):481–5 (16 ref.) (Jpn)

[MRI diagnosis of myocardial infarction—comparison with Xray CT] Yoshimoto N, et al. **Kokyu To Junkan** 1986 May; 34(5):473–80 (36 ref.) (Jpn)

[Extracerebral hematoma and parenchymal lesion in computerized tomography of pediatric patients with severe head injuries] Date H, et al. **Neurol Med Chir (Tokyo)** 1986 Mar;26(3):227–32 (Eng. Abstr.) (Jpn)

[Computerized tomography features of ruptured cerebral arteriovenous malformation] Mitsugi T, et al. **Neurol Med Chir (Tokyo)** 1985 Sep;25(9):753–7 (Eng. Abstr.) (Jpn)

[Evaluation of radiation therapy for metastatic brain tumor by computed tomography] Suzuki Y, et al. **Neurol Med Chir (Tokyo)** 1985 Oct;25(10):837–43 (Eng. Abstr.) (Jpn)

[Comparative study on findings in brain computed tomography (Xray-CT) and dynamic topography of VEP (VDT)] Matsuura M. **Nippon Ganka Gakkai Zasshi** 1985 Aug;89(8):919–27 (Eng. Abstr.) (Jpn)

[A case of mesenteric venous thrombosis: its sonographic and computed tomographic findings] Kokudo N, et al. **Nippon Geka Gakkai Zasshi** 1985 Aug;86(8):966–71 (Eng. Abstr.) (Jpn)

[Computer tomography and urinary calculi. 2-determination of the composition of calculi by the CT value] Kageyama S, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Feb; 77(2):289–94 (Eng. Abstr.) (Jpn)

[Computed tomography evaluation of liposarcoma] Hayasaka K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1985 Dec 25;45(12):1517–20 (Eng. Abstr.) (Jpn)

[Analysis of tumor-like shadows on abdominal plain X-ray films—comparison of computed tomography and abdominal plain X-rayilm in 400 cases] Hayashi H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Jan 25; 46(1):9–15 (Eng. Abstr.) (Jpn)

[Computed tomography of omental cake] Kaneko K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Mar 25; 46(3):453–7 (Eng. Abstr.) (Jpn)

[Image diagnosis of parathyroid glands in patients with secondary hyperparathyroidism] Kuriyama K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Mar 25; 46(3):427–30 (Eng. Abstr.) (Jpn)

[A new evaluation method of the topical drug concentration by means of X-ray CT and water soluble contrast media] Mitsuzane K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1985 Aug 25; 45(8):1170–2 (Jpn)

[Computed tomography of peripheral lung disease. Comparison between soft X-ray photograph and CT target-image of inflated fixed lung] Nagasaki M. **Nippon Igaku Hoshasen Gakkai Zasshi** 1985 Jul 25; 45(7):1000–8 (Eng. Abstr.) (Jpn)

[Diagnostic values and limits on X-ray computed tomography in untreated uterine cervical cancer] Ono M. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Mar 25; 46(3):478–91 (Eng. Abstr.) (Jpn)

[Hemorrhagic brain metastases. Analysis of computed tomography, predisposing factors and prognosis] Takahashi M, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Mar 25;46(3):458–68 (Eng. Abstr.) (Jpn)

[Metrizamide cisternography and metrizamide CT cisternography in suprasellar masses; their diagnostic value] Uchino A. **Nippon Igaku Hoshasen Gakkai Zasshi** 1985 Aug 25;45(8):1104–20 (Eng. Abstr.) (Jpn)

[Diagnosis of aortic dissection without intimal rupture by X-ray computed tomography] Yamada T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1985 May 25; 45(5):699–710 (Eng. Abstr.) (Jpn)

[Diagnostic imagings of cerebrovascular disease] Nakazawa S, et al. **Nippon Ika Daigaku Zasshi** 1985 Aug;52(4):468–71 (Jpn)

[Benign intrathoracic lipoma in an adult] Ayabe H, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Sep; 23(9):1047–51 (Eng. Abstr.) (Jpn)

[A case of broncholithiasis] Hiromatsu Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Jun;23(6):715–9 (Eng. Abstr.) (Jpn)

[Interrelationship of plain roentgenographic and computed tomographic findings of the lung in a patient with diffuse panbronchiolitis (DPB)] Inoue M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Aug; 23(8):907–11 (Eng. Abstr.) (Jpn)

[Pleural thickening caused by asbestos exposure—relation between computed tomography and plain film] Kikuchi K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Feb; 24(2):101–8 (Eng. Abstr.) (Jpn)

[A case of multiple arteriovenous fistulas associated with Osler-Rendu-Weber syndrome—a case diagnosed by dynamic CT scan] Kuriyama K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Apr;23(4):504–8 (Eng. Abstr.) (Jpn)

[A case of intralobar pulmonary sequestration. With special reference to dynamic computed tomographic findings] Misawa T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Jun;23(6):704–8 (Eng. Abstr.) (Jpn)

[Glycosaminoglycan, computed tomography and gallium-67 scanning in malignant pleural mesothelioma] Nakano T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Apr; 23(4):401–12 (Eng. Abstr.) (Jpn)

[Brain atrophy during aging—a quantitative study with X-ray computerized tomography (X-CT), nuclear magnetic resonance (NMR-CT) and positron emission tomography (PET)] Matsuzawa T. **Nippon Naika Gakkai Zasshi** 1985 Nov;74(11):1587 (Jpn)

[A case report of secondary Budd-Chiari syndrome due to chronic empyema diagnosed by NMR-CT] Takagi S, et al. **Nippon Naika Gakkai Zasshi** 1985 Jul;74(7):952–7 (Jpn)

[CT imaging of the aged brain and senile dementia] Imai Y. **Nippon Rinsho** 1985 Jul;43(7):1428–32 (31 ref.) (Jpn)

[Differential diagnosis of the pelvic masses by computed tomography and 67Ga-scintigraphy] Sakai K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Jan;38(1):39–44 (Eng. Abstr.) (Jpn)

[Neuroradiology of spinal and spinal cord disease—with special reference to CT] Miyasaka K. **Nippon Seikeigeka Gakkai Zasshi** 1986 Mar;60(3):373–87 (Jpn)

[A case of Cronkhite-Canada syndrome—clinical evaluation of computed tomography and ultrasonography] Hirohama S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Jun; 82(6):1585–90 (Jpn)

[Ultrastructure of capillary permeability in human brain tumors. 3: Mechanisms of contrast enhancement in non-glial tumors] Fukushima M, et al. **No Shinkei Geka** 1986 Mar;14(3 Suppl):317–23 (Eng. Abstr.) (Jpn)

[CT-stereotaxy] Komai N. **No Shinkei Geka** 1986 Feb; 14(2):123–33 (76 ref.) (Jpn)

[CT-myelography of cervical cord injury] Koyanagi I, et al. **No Shinkei Geka** 1986 Feb;14(2):143–7 (Eng. Abstr.) (Jpn)

[Postoperative spinal cord herniation diagnosed by metrizamide CT: a case report] Mizuno J, et al. **No Shinkei Geka** 1986 Apr;14(5):681–5 (Eng. Abstr.) (Jpn)

[Lumbosacral lipoma: computed tomographic scan findings and surgical correction] Morimoto K, et al. **No Shinkei Geka** 1986 Mar;14(3 Suppl):391–6 (Eng. Abstr.) (Jpn)

[CT-guided stereotaxic implantation of a deep brain electrode for the stimulation of the internal capsule—a case report] Niizuma H, et al. **No Shinkei Geka** 1986 Jan; 14(1):103–6 (Eng. Abstr.) (Jpn)

[CT findings in acute spinal epidural hematoma caused by a ruptured cavernous angioma] Ogawa T, et al. **No Shinkei Geka** 1986 Apr;14(5):687–91 (Eng. Abstr.) (Jpn)

[Ultrastructure of capillary permeability in human brain tumors. 2: Mechanisms of contrast enhancement in gliomas] Shibata S, et al. **No Shinkei Geka** 1986 Mar;14(3 Suppl):311–6 (Eng. Abstr.) (Jpn)

[CT-controlled stereotactic operation of hypertensive intracerebral hemorrhage—1. Theoretical principles and the operative procedures] Shichijo F, et al. **No Shinkei Geka** 1985 Aug;13(8):845–52 (Eng. Abstr.) (Jpn)

[A new treatment of hypertensive intracerebral hematoma—a follow-up study on 46 patients with hematoma treated by CT guided stereotactic method] Shiwaku T, et al. **No Shinkei Geka** 1986 May;14(6):751–8 (Eng. Abstr.) (Jpn)

[Evaluation of computerized tomography-guided stereotactic evacuation of putaminal hematomas by somatosensory evoked potentials] Takizawa T, et al. **No Shinkei Geka** 1986 Apr;14(5):645–50 (Eng. Abstr.) (Jpn)

[Mirror surface-like CT findings in intracranial hemorrhage] Hamano Y, et al. **No To Hattatsu** 1985 Sep;17(5):459–60 (Jpn)

[A case of basal ganglia germinoma with characteristic CT findings] Mutoh K, et al. **No To Hattatsu** 1985 Sep; 17(5):453–8 (Eng. Abstr.) (Jpn)

[Two cases of Joubert syndrome] Takada S, et al. **No To Hattatsu** 1986 Jul;18(4):304–9 (Eng. Abstr.) (Jpn)

[Evaluation of intracranial calcification associated with aging by computerized tomography] Okudera H, et al. **No To Shinkei** 1986 Feb;38(2):129–33 (Eng. Abstr.) (Jpn)

[Findings of computed tomography in vascular parkinsonism] Tomura N, et al. **No To Shinkei** 1985 Oct;37(10):1007–12 (Eng. Abstr.) (Jpn)

[An explanation of CT examinations—with special reference to the abdomen] Uchida H. **Rinsho Byori** 1986 Jan; 34(1):39–46 (Jpn)

[CT findings in adrenal tumors] Abe T, et al. **Rinsho Hoshasen** 1986 Mar;31(3):389–95 (Eng. Abstr.) (Jpn)

[Diagnostic imaging of vascular invasion in hilar-type lung cancer—comparative studies of angiography and CT in resected cases] Adachi S, et al. **Rinsho Hoshasen** 1985 Sep; 30(9):957–63 (Eng. Abstr.) (Jpn)

[Useful CT findings seen in two cases of intrapulmonary sequestration] Fukuda M, et al. **Rinsho Hoshasen** 1985 Aug; 30(8):913–6 (Eng. Abstr.) (Jpn)

[Cranial computed tomography of xeroderma pigmentosum] Harada K, et al. **Rinsho Hoshasen** 1986 Jan;31(1):11–4 (Eng. Abstr.) (Jpn)

[CT of unilateral hyperlucent lung (Swyer-James syndrome)] Ikezoe J, et al. **Rinsho Hoshasen** 1985 Jul;30(7):825–8 (Eng. Abstr.) (Jpn)

[CT findings of a case of persistent hyperplastic primary vitreous (PHPV)] Imai Y, et al. **Rinsho Hoshasen** 1985 Sep; 30(9):1013–6 (Eng. Abstr.) (Jpn)

[Two cases of calcification of the cervical ligamentum flavum—the figure of early stage on CT scan] Iwasaki Y, et al. **Rinsho Hoshasen** 1985 Jul;30(7):821–3 (Eng. Abstr.) (Jpn)

[Radiologic pathologic correlation of interstitial pneumonia] Koba H, et al. **Rinsho Hoshasen** 1985 Sep;30(9):971–8 (Eng. Abstr.) (Jpn)

[Computed tomographic evaluation of the resectability of bronchogenic carcinoma] Matsumoto M, et al. **Rinsho Hoshasen** 1985 Sep;30(9):951–6 (Eng. Abstr.) (Jpn)

[A case of chronic myelogenous leukemia with a parietal tumor] Munemoto S, et al. **Rinsho Hoshasen** 1985 Jul; 30(7):809–12 (Eng. Abstr.) (Jpn)

[CT evaluation of postsurgical patients in lung cancer] Murao T, et al. **Rinsho Hoshasen** 1985 Sep;30(9):965–9 (Eng. Abstr.) (Jpn)

[CT scan and ultrasonic evaluation of traumatic duodenal intramural hematoma in childhood] Ochi G, et al. **Rinsho Hoshasen** 1986 Apr;31(4):539–42 (Eng. Abstr.) (Jpn)

[Magnetic resonance imaging of mediastinal lymphadenopathy: comparison with X-ray CT] Okuhata Y, et al. **Rinsho Hoshasen** 1985 Oct;30(10):1093–7 (Eng. Abstr.) (Jpn)

[Computed tomographic evaluation in the staging of gastric carcinoma] Saito Y, et al. **Rinsho Hoshasen** 1985 Jul; 30(7):749–54 (Eng. Abstr.) (Jpn)

[A case of acute renal failure after angiography—with interesting CT findings] Sasai K, et al. **Rinsho Hoshasen** 1986 Jan;31(1):143–5 (Eng. Abstr.) (Jpn)

[Computed tomographic evaluation of pancreatic and peripancreatic cystic masses] Sasaki F, et al. **Rinsho Hoshasen** 1986 Jan;31(1):59–63 (Eng. Abstr.) (Jpn)

[Computed tomographic evaluation of fluid collection in acute pancreatitis] Sasaki F, et al. **Rinsho Hoshasen** 1986 Mar;31(3):363–8 (Eng. Abstr.) (Jpn)

[Six cases of abdominal fatty masses—evaluation by ultrasonography and CT] Sugano S, et al. **Rinsho Hoshasen** 1986 Mar;31(3):383–8 (Eng. Abstr.) (Jpn)

[Computed tomography appearance of paranasal sinus aspergillosis] Sugimoto S, et al. **Rinsho Hoshasen** 1986 Mar; 31(3):417–20 (Eng. Abstr.) (Jpn)

[Diagnosis of lymphoma of the head and neck] Sugimoto S, et al. **Rinsho Hoshasen** 1985 Oct;30(11 Suppl):1237–45 (16 ref.) (Jpn)

[Two cases of abdominal wall hernia containing omentum diagnosed by CT] Suzuki M, et al. **Rinsho Hoshasen** 1986 Feb;31(2):327–9 (Eng. Abstr.) (Jpn)

[Computed tomographic study of Mycoplasma pneumoniae pneumonia] Tanaka H, et al. **Rinsho Hoshasen** 1985 Sep; 30(9):979–86 (Eng. Abstr.) (Jpn)

[CT of radiation-induced pulmonary change] Tazawa S, et al. **Rinsho Hoshasen** 1985 Nov;30(12):1447–52 (Eng. Abstr.) (Jpn)

[A case of osteochondroma of the mandibular coronoid process: the valuable role of CT in the diagnosis and operative therapy] Totsuka Y, et al. **Rinsho Hoshasen** 1986 Mar;31(3):421–3 (Eng. Abstr.) (Jpn)

[Computed tomography of splenic tumors—comparative study with the angiography] Tsujita Y, et al. **Rinsho Hoshasen** 1985 Jul;30(7):761–7 (Eng. Abstr.) (Jpn)

[Computed tomography of Wallerian degeneration] Uchino A, et al. **Rinsho Hoshasen** 1986 Jan;31(1):23–5 (Eng. Abstr.) (Jpn)

[The muscle CT of the thigh in chronic Werdnig-Hoffmann disease] Horikawa H, et al. **Rinsho Shinkeigaku** 1986 May; 26(5):490–7 (Eng. Abstr.) (Jpn)

[A case of abnormal findings by CT scans in heat stroke] Oka N, et al. **Rinsho Shinkeigaku** 1986 Apr;26(4):338–42 (Eng. Abstr.) (Jpn)

[The localization of the pyramidal tract in the internal capsule—computerized tomographic analysis of 45 cases with small low density area] Shinoda J, et al.

Rinsho Shinkeigaku 1985 Jun;25(6):680–7 (Eng. Abstr.) **(Jpn)**

[Examination of the fine interstitial changes of pneumoconiosis with high resolution computed tomography (HR–CT)] Kido M, et al. **Sangyo Ika Daigaku Zasshi** 1986 Mar 20;8 Suppl:363–7 (Eng. Abstr.) **(Jpn)**

[Intracranial processes. Localization by computer tomography] Bakke SJ, et al. **Tidsskr Nor Laegeforen** 1985 Sep 10;105(25):1695–8 (Eng. Abstr.) **(Nor)**

[Preoperative localization of parathyroid tumors. CT and ultrasonics before surgery of primary hyperparathyroidism] Eri LM, et al. **Tidsskr Nor Laegeforen** 1986 May 10; 106(12):1042–5 (Eng. Abstr.) **(Nor)**

[Cerebral computer tomography. Experiences of a pediatric department] Lofterød B, et al. **Tidsskr Nor Laegeforen** 1985 Nov 20;105(32):2307–10 (Eng. Abstr.) **(Nor)**

[False negative computer tomography. Diffuse, obscure abdominal diseases] Pedersen HK, et al. **Tidsskr Nor Laegeforen** 1986 May 20;106(13):1095–7 **(Nor)**

[Computerized tomography in the diagnosis of congenital hip dislocation (preliminary report)] Napiontek M, et al. **Chir Narzadow Ruchu Ortop Pol** 1985;50(2):89–94 (Eng. Abstr.) **(Pol)**

[Computerized tomography in the diagnosis of eye injuries] Kotuchowska I, et al. **Klin Oczna** 1985 Aug;87(8):318–21 (Eng. Abstr.) **(Pol)**

[Value of transurethral ultrasonography in the diagnosis of bladder neoplasms and in the evaluation of the degree of bladder wall infiltration (T) compared with clinical examination, transrectal and transabdominal ultrasonography and computerized tomography] Borkowski A, et al. **Pol Przegl Radiol (Warszawa)** 1985 Jan–Feb;49(1):49–53 (Eng. Abstr.) **(Pol)**

[Evaluation of the usefulness of computerized tomography for the detection of neoplasm recurrence in the central nervous system in children] Frankiewicz E, et al. **Pol Przegl Radiol (Warszawa)** 1985 Sep–Oct;49(5):303–8 (Eng. Abstr.) **(Pol)**

[Analysis of post-traumatic craniofacial changes using computerized tomography and other radiological methods] Kryst L, et al. **Pol Przegl Radiol (Warszawa)** 1984 Nov–Dec;48(6):345–51 (Eng. Abstr.) **(Pol)**

[Intracranial hemorrhages in children in computerized-tomographic image] Radelicka-Rajszys H, et al. **Pol Przegl Radiol (Warszawa)** 1984 Nov–Dec; 48(6):339–44 (Eng. Abstr.) **(Pol)**

[Diagnostic value of computerized tomography in the diagnosis and treatment of subdural hygromas in infants] Radelicka-Rajszys H, et al. **Pol Przegl Radiol (Warszawa)** 1984 Nov–Dec;48(6):333–7 (Eng. Abstr.) **(Pol)**

[Value of computerized tomocisternography in the diagnosis of progressive internal hydrocephalus] Ślósarek J, et al. **Pol Przegl Radiol (Warszawa)** 1985 May–Jun;49(3):157–60 (Eng. Abstr.) **(Pol)**

[The wall and surrounding tissues of an aneurysm of the thoracic aorta in computerized-tomographic pictures] Wójtowicz JS, et al. **Pol Przegl Radiol (Warszawa)** 1984 Nov–Dec;48(6):363–8 (Eng. Abstr.) **(Pol)**

[Diagnostic value of computerized tomography of the brain in epilepsy] Pakszys W. **Pol Tyg Lek** 1985 Nov 4; 40(44):1251–4 (36 ref.) **(Pol)**

[Computerized tomography in schizophrenia] Chimiak-Droździowska E. **Psychiatr Pol** 1985 Sep–Oct; 19(5):396–401 (8 ref.) **(Pol)**

[Psychoorganic syndromes in patients with symmetrical cerebral atrophy on computerized tomography] Jaremа M. **Psychiatr Pol** 1985 May–Jun;19(3):194–201 (Eng. Abstr.) **(Pol)**

[Use of computerized tomography in gynecology] Agaeva KS. **Akush Ginekol (Mosk)** 1986 Feb;(2):6–7 (29 ref.) **(Rus)**

[Puncture of the thoracic organs under computed tomography control] Kuzin MI, et al. **Gruda Khir** 1985 Nov–Dec;(6):54–7 (Eng. Abstr.) **(Rus)**

[Computerized tomography in the diagnosis of cancer of the head of the pancreas] Klimenkov AA, et al. **Khirurgiia (Mosk)** 1986 Jul;(7):81–6 (Eng. Abstr.) **(Rus)**

[Diagnostic puncture controlled by computed tomography following operations for rectal cancer] Poltavskiĭ AV, et al. **Khirurgiia (Mosk)** 1986 Apr;(4):81–4 (Eng. Abstr.) **(Rus)**

[Thermography and computed tomography in the diagnosis of cancer recurrence after rectal extirpation] Bogdasarov IuB, et al. **Med Radiol (Mosk)** 1986 Jan;31(1):26–31 (Eng. Abstr.) **(Rus)**

[Computer tomography in the diagnosis of retroperitoneal nonorganic tumors] Kolesnikova EK, et al. **Med Radiol (Mosk)** 1985 Oct;30(10):48–52 (Eng. Abstr.) **(Rus)**

[Computed tomography of the normal male and female lesser pelvis] Mazaev AP, et al. **Med Radiol (Mosk)** 1986 May; 31(5):43–9 (Eng. Abstr.) **(Rus)**

[Computerized x-ray tomographic evaluation of the local dissemination of bladder cancer] Toktomushev AT, et al. **Med Radiol (Mosk)** 1986 Jul;31(7):58–61 (Eng. Abstr.) **(Rus)**

[Information value of computed tomography in diagnosing pericardial diseases] Ternovoĭ SK, et al. **Ter Arkh** 1985; 57(9):60–2 (Eng. Abstr.) **(Rus)**

[Directed percutaneous punctures of pathological liver foci controlled by computed tomography and ultrasound] Krylov NL, et al. **Vestn Khir** 1986 Jan;136(1):32–5 (Eng. Abstr.) **(Rus)**

[Computed tomography in the diagnosis and treatment of surgical diseases of the liver] Kuzin MI, et al. **Vestn Khir** 1986 Jan;136(1):36–40 (Eng. Abstr.) **(Rus)**

[Computerized tomography as an important method of diagnosis in unilateral exudative otitis media] Rabkin IKh, et al. **Vestn Otorinolaringol** 1986 Mar–Apr;(2):64–6 **(Rus)**

[Ultrasonic and computed tomographic semeiotics of cholelithiasis] Kishkovskiĭ AN, et al. **Vestn Rentgenol Radiol** 1986 Mar–Apr;(2):29–35 (Eng. Abstr.) **(Rus)**

[Computed tomography in acute closed cranio–cerebral trauma. 2. Diagnosis of subarachnoid hemorrhages] Kishkovskiĭ AN, et al. **Vestn Rentgenol Radiol** 1985 Jul–Aug;(4):52–7 (Eng. Abstr.) **(Rus)**

[Computed tomography of acute closed cranio–cerebral trauma. 3. Diagnosis of cranial bone fractures] Kishkovskiĭ AN, et al. **Vestn Rentgenol Radiol** 1985 Nov–Dec;(6):10–5 (Eng. Abstr.) **(Rus)**

[Computed tomography in the diagnosis of traumatic lesions of the orbit] Rabkin IKh, et al. **Vestn Rentgenol Radiol** 1985 Nov–Dec;(6):15–21 (Eng. Abstr.) **(Rus)**

[Diagnostic possibilities of computerized tomography in non–neoplastic diseases of the spinal cord] Zhil'tsov VK, et al. **Voen Med Zh** 1986 Feb;(2):25–8 **(Rus)**

[Computerized–tomographic diagnosis of cranio–cerebral injuries] Romodanov AP, et al. **Vrach Delo** 1985 Sep; (9):43–7 (Eng. Abstr.) **(Rus)**

[Computer tomography in psychiatry (review of foreign research in recent years)] Medvedev AV, et al. **Zh Nevropatol Psikhiatr** 1986;86(1):132–5 (58 ref.) **(Rus)**

[The significance of computerized tomography in the diagnosis of osteoid osteoma] Maar D, et al. **Bratisl Lek Listy** 1986 May;85(5):578–83 (Eng. Abstr.) **(Slo)**

[Computerized axial tomography of bladder hemangioma (apropos of a case)] Andreo Hernández LA, et al. **Actas Urol Esp** 1986 May–Jun;10(3):201–4 (Eng. Abstr.) **(Spa)**

[Preoperative diagnosis of primary hyperparathyroidism by computerized axial tomography] Ruiz Marcellán FJ, et al. **Actas Urol Esp** 1985 Jul–Aug;9(4):307–12 (Eng. Abstr.) **(Spa)**

[Acute neurologic dysfunction associated with a hypodensity of the basal ganglia] Espigol Requesens D, et al. **An Esp Pediatr** 1986 Aug;25(2):101–4 (Eng. Abstr.) **(Spa)**

[Usefulness of cerebral computed axial tomography in the early diagnosis of tuberous sclerosis] Jordán J, et al. **An Esp Pediatr** 1986 Mar;24(3):165–70 (Eng. Abstr.) **(Spa)**

[Value of computerized axial tomography in the diagnosis of idiopathic retroperitoneal fibrosis. Apropos of 2 new cases] Vallejo Benalcazar NS, et al. **Arch Esp Urol** 1986 Jan–Feb;39(1):22–6 (Eng. Abstr.) **(Spa)**

[Computerized axial tomography and cerebral vascular diseases (letter)] Domingo M, et al. **Med Clin (Barc)** 1986 Jul 12;87(6):261–2 **(Spa)**

[Usefulness of computerized axial tomography in the study of tumors of the adrenal glands in hypertensive patients] Romero R, et al. **Med Clin (Barc)** 1985 Nov 2;85(14):575–7 (Eng. Abstr.) **(Spa)**

[Neuroradiologic diagnosis of the empty sella] Rovira M. **Med Clin (Barc)** 1985 Dec 7;85(19):808–13 **(Spa)**

[Computerized axial tomography and cerebrovascular diseases] Zarranz JJ. **Med Clin (Barc)** 1985 Nov 30; 85(18):749–52 **(Spa)**

[Late post–traumatic intracerebral hematomas] Isla Guerrero AJ, et al. **Rev Clin Esp** 1986 Feb;178(3):112–5 (Eng. Abstr.) **(Spa)**

[Intestinal pneumatosis associated with systemic lupus erythematosus. Computed axial tomography as an option in the diagnosis: report of a patient] Campos León A, et al. **Rev Gastroenterol Mex** 1985 Jan–Mar;50(1):51–5 (Eng. Abstr.) **(Spa)**

[Computed axial tomography in the diagnosis of diseases of the pancreas] Hurtado Andrade H, et al. **Rev Gastroenterol Mex** 1985 Jan–Mar;50(1):29–35 (Eng. Abstr.) **(Spa)**

[Computerized axial tomography in pediatric neurosurgery] Aranda G. **Rev Med Panama** 1986 May;11(2):141–6 (Eng. Abstr.) **(Spa)**

[Diagnosis of subarachnoid hemorrhage—lumbar puncture or computerized tomography?] Hillman J. **Lakartidningen** 1986 Apr 9;83(15):1379–82 **(Swe)**

ADVERSE EFFECTS

Aneurysmal rupture during computed tomography scanning. Allen RF, et al. **J Comput Tomogr** 1986 Jan;10(1):93–7

[Massive cerebral hemorrhage during angio–CT in a patient with subarachnoid hemorrhage caused by intracranial aneurysm] Colosimo C Jr, et al. **Radiol Med (Torino)** 1985 Nov;71(11):786–8 **(Ita)**

[X–ray exposure levels in the CT examination of the mandible] Ida M, et al. **Kokubyo Gakkai Zasshi** 1985 Dec; 52(4):694 **(Jpn)**

ECONOMICS

The influence of CT scanning on the cost of workup for subdural hematoma [letter] Shapiro MJ. **JAMA** 1986 Feb 14;255(6):747–8

Cost–effectiveness of computerized tomography and magnetic resonance imaging in dementia. Simon DG, et al. **Med Decis Making** 1985 Fall;5(3):335–54

Assessment of social value in the allocation of CT scanners—a case study. Gottinger HW. **Methods Inf Med** 1986 Apr;25(2):101–8

INSTRUMENTATION

Traction device to improve CT imaging of lower cervical spine. Boger DC. **AJNR** 1986 Jul–Aug;7(4):719–21

X–ray and magnetic resonance stereotaxy for functional and nonfunctional neurosurgery. Birg W, et al. **Appl Neurophysiol** 1985;48(1–6):22–9

A true 'advanced imaging assisted' skull–mounted stereotactic system. Carol M. **Appl Neurophysiol** 1985; 48(1–6):69–72

Use of the Brown–Roberts–Wells stereotactic frame for functional neurosurgery. Hadley MN, et al. **Appl Neurophysiol** 1985;48(1–6):61–8

Real–time three–dimensional graphic reconstructions using Brown–Roberts–Wells frame coordinates in a microcomputer environment. Heilbrun MP, et al. **Appl Neurophysiol** 1985;48(1–6):7–10

A new apparatus for CT–guided stereotactic surgery. Iseki H, et al. **Appl Neurophysiol** 1985;48(1–6):50–60

Experience in the first 100 patients undergoing computerized tomography–guided stereotactic procedures utilizing the Brown–Roberts–Wells guidance system. Levin AB. **Appl Neurophysiol** 1985;48(1–6):45–9

Computer tomography–controlled stereotactic surgery. Matsumoto K, et al. **Appl Neurophysiol** 1985;48(1–6):39–44

A new stereotactic instrument for use with computerized tomography and magnetic resonance imaging. Montagno E de A, et al. **Appl Neurophysiol** 1985;48(1–6):34–8

Stereotactic system and apparatus for use with magnetic resonance imaging, computerized tomography, and digital subtraction imaging. Olivier A, et al. **Appl Neurophysiol** 1985;48(1–6):94–6

Intracranial tumor biopsy—CT–guided stereotactic surgery. Poza M, et al. **Appl Neurophysiol** 1985;48(1–6):482–7

New CT–guided stereotactic apparatus and clinical experience with intracerebral hematomas. Tanizaki Y, et al. **Appl Neurophysiol** 1985;48(1–6):11–7

Detection of small focal lesions in CT images: effects of reconstruction filters and visual display windows. Judy PF, et al. **Br J Radiol** 1985 Feb;58(686):137–45

Practical quantitation of radiation levels associated with newer CT scanner units. Jacobson A, et al. **Health Phys** 1986 Feb;50(2):203–7

A digital radiographic imaging system for mammography. Fritz SL, et al. **Invest Radiol** 1986 Jul;21(7):581–3

CT body stereotaxic instrument for percutaneous biopsy and other interventive procedures: phantom studies. Onik G, et al. **Invest Radiol** 1985 Aug;20(5):525–30

Artifacts in computed tomography of the posterior fossa: a comparative phantom study. Moström U, et al. **J Comput Assist Tomogr** 1986 Jul–Aug;10(4):560–6

Dynamic incremental computed tomography of the pulmonary hila using a flow–rate injector. Shepard JO, et al. **J Comput Assist Tomogr** 1986 Mar–Apr;10(2):369–71

A system for quantitatively assessing certain performance parameters of gamma camera systems from reflective print and film transparency final images. Piltingsrud HV, et al. **Med Phys** 1986 Jan–Feb;13(1):35–44

Rigid head fixation for intraoperative computed tomography. Engle DJ, et al. **Neurosurgery** 1986 Aug;19(2):258–62

Methodology and clinical experience with computed tomography and a computer–resident stereotactic atlas. Kall BA, et al. **Neurosurgery** 1985 Sep;17(3):400–7

An attenuated projector–backprojector for iterative SPECT reconstruction. Gullberg GT, et al. **Phys Med Biol** 1985 Aug;30(8):799–816

Whole body scanners: a comparison between the IGE 8800 and 9800. Brooker MJ. **Radiography** 1986 Mar–Apr; 52(602):61–4

Radiotherapy planning aids on the CT body scanner at The Royal Free Hospital. Chadirchi LH. **Radiography** 1985 Nov–Dec;51(600):327–9

Direct sagittal CT of the temporomandibular joint. Simon DC, et al. **Radiology** 1985 Nov;157(2):545

Conceptus dose from two state–of–the–art CT scanners. Wagner LK, et al. **Radiology** 1986 Jun;159(3):787–92

[The effect of instrumental limitations on the performance of computerized tomographs] Luypaert R, et al. **J Belge Radiol** 1985;68(5):355–8 (Eng. Abstr.) **(Dut)**

[In vivo digitized 3–dimensional anatomy: a recent advance] Cabanis EA, et al. **Bull Soc Ophtalmol Fr** 1985 Aug–Sep; 85(8–9):867–70 **(Fre)**

[An accessory for producing direct coronal sections in craniocervical x–ray computed tomography] Soutter JW. **J Radiol** 1986 Feb;67(2):159–61 (Eng. Abstr.) **(Fre)**

[Clinical contributions of the latest generation of x–ray computed tomography instruments] Breton G, et al. **Union Med Can** 1986 Feb;115(2):80–6 (Eng. Abstr.) **(Fre)**

[Abdominal x–ray computed tomography. The contribution of the latest–generation instruments] Breton G, et al.

Union Med Can 1986 Feb;115(2):87–94 (Eng. Abstr.) **(Fre)**

[A simple aid for the localization of intracranial tumors in cerebral computer tomography] Schulz W, et al. **Zentralbl Neurochir** 1986;47(1):72–5 (Eng. Abstr.) **(Ger)**

[Distant telephone transmission of CT images: its clinical application] Suzuki M, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1985 Dec 25; 45(12):1540–7 (Eng. Abstr.) **(Jpn)**

METHODS

Computed tomography of the thyroid gland. Vette JK. **Acta Endocrinol [Suppl] (Copenh)** 1985;268:1–82

Scalp marking of intracranial lesions using computed tomography (CT) images. A technical note. Patil AA, et al. **Acta Neurochir (Wien)** 1986;80(1–2):62–4

Increased detectability of liver metastases by the use of contrast enhancement in computed tomography. A comparison between the precontrast, the immediate postcontrast and the one hour postcontrast scan. Sager EM, et al. **Acta Radiol [Diagn] (Stockh)** 1985 Jul–Aug; 26(4):369–72

Delineation of the normal esophagus at computed tomography. Samuelsson L, et al. **Acta Radiol [Diagn] (Stockh)** 1985 Nov–Dec;26(6):665–9

The use of computed tomography numbers in dose calculations for radiation therapy. Huizenga H, et al. **Acta Radiol [Oncol]** 1985 Nov–Dec;24(6):509–19

Selective enhanced CT [letter] Corrales M. **AJNR** 1986 May–Jun;7(3):530

High–dose i.v. contrast in CT scanning of the postoperative lumbar spine. Yang PJ, et al. **AJNR** 1986 Jul–Aug; 7(4):703–7

Three–dimensional CT reformation in children. Altman NR, et al. **AJR** 1986 Jun;146(6):1261–7

Evaluation of a chest phantom for CT nodule densitometry. de Geer G, et al. **AJR** 1986 Jul;147(1):21–5

The value of a worksheet in reporting body–CT examinations. Kinard RE, et al. **AJR** 1986 Oct;147(4):848–9

Value of intravenous contrast enhancement in the CT evaluation of intraspinal tumors. Lapointe JS, et al. **AJR** 1986 Jan;146(1):103–7

CT peritoneography in evaluation of pediatric dialysis complications. Magill HL, et al. **AJR** 1986 Aug; 147(2):325–8

CT body stereotaxis: an aid for CT–guided biopsies. Onik G, et al. **AJR** 1986 Jan;146(1):163–8

Perspective: three–dimensional imaging of the musculoskeletal system. Pate D, et al. **AJR** 1986 Sep; 147(3):545–51

Cranial CT in acquired immunodeficiency syndrome: spectrum of diseases and optimal contrast enhancement technique. Post MJ, et al. **AJR** 1985 Nov;145(5):929–40

CT scanning of the foot and ankle: 1. Normal anatomy. Solomon MA, et al. **AJR** 1986 Jun;146(6):1192–203

Determination of left ventricular ejection fraction using ultrafast computed tomography. Rich S, et al. **Am Heart J** 1986 Aug;112(2):392–6

Measurement of cardiac output by cine computed tomography. Garrett JS, et al. **Am J Cardiol** 1985 Oct 1; 56(10):657–61

Noninvasive evaluation of suspected thoracic aortic disease by contrast–enhanced computed tomography. White RD, et al. **Am J Cardiol** 1986 Feb 1;57(4):282–90

Rapid acquisition computed tomographic assessment of left ventricular regional wall motion using a new long axis view. MacMillan RM, et al. **Angiology** 1986 May; 37(5):372–7

Direct parasagittal computed tomography and arthroscopic surgery of the temporomandibular joint. Alpern MC, et al. **Angle Orthod** 1986 Apr;56(2):91–101

Corrected parasagittal direct CT imaging of the temporomandibular joint. With arthroscopic correlation. Ufema JW, et al. **Angle Orthod** 1986 Apr;56(2):102–17

Three–dimensional computed tomography in maxillofacial trauma. DeMarino DP, et al. **Arch Otolaryngol Head Neck Surg** 1986 Feb;112(2):146–50

CT imaging of brain tumours: a simple approach. Sage MR. **Australas Radiol** 1985 May;29(2):95–104

A method for increasing the resolution of scanned projection radiography and other digital X–ray systems. Checkley DR, et al. **Br J Radiol** 1986 Apr;59(700):365–71

In vivo evaluation of myocardial infarction by computed tomography: an experiment with electrocardiographic gating. Checkley DR, et al. **Br J Radiol** 1986 May; 59(701):461–70

Three–dimensional anatomical images from computed tomographic scans. Gillespie JE, et al. **Br J Radiol** 1986 Mar;59(699):289–92

Tissue analysis by dual–energy computed tomography. Hawkes DJ, et al. **Br J Radiol** 1986 Jun;59(702):537–42

Fast computer processing for tissue highlighting in computed tomographic cross–sectional imaging and digital scan projection radiography. Moore CJ, et al. **Br J Radiol** 1986 Jun;59(702):577–82

The potential accuracy of dual–energy computed tomography for the determination of hepatic iron. Sephton RG. **Br J Radiol** 1986 Apr;59(700):351–3

Computed tomography. The technique and its use for the evaluation of cardiocirculatory anatomy and function. Lipton MJ, et al. **Cardiol Clin** 1983 Aug;1(3):457–71

Detection of atrial septal defect by contrast–enhanced ultrafast computed tomography. Skotnicki R, et al. **Cathet Cardiovasc Diagn** 1986;12(2):103–6

Three–dimensional imaging of bone from computerized tomography. Woolson ST, et al. **Clin Orthop** 1986 Jan; (202):239–48

Three–dimensional wrist imaging: evaluation of functional and pathologic anatomy by computer. Bresina SJ, et al. **Clin Plast Surg** 1986 Jul;13(3):389–405

Applications of computer graphics in craniofacial surgery. Marsh JL, et al. **Clin Plast Surg** 1986 Jul;13(3):441–8

Three–dimensional CAT scan reconstruction—pediatric patients. Salyer KE, et al. **Clin Plast Surg** 1986 Jul; 13(3):463–74

Direct multiplanar computed tomography in planning radiotherapy for malignant tumours of the nasopharynx. Silvestre ME, et al. **Clin Radiol** 1986 Jan;37(1):15–8

Computed tomography in diffuse lung disease: improving the image. Strickland B, et al. **Clin Radiol** 1986 Jul;37(4):335–8

A new software correction approach to volume averaging artifacts in CT. Goodenough DJ, et al. **Comput Radiol** 1986 Mar–Jun;10(2–3):87–98

CT attenuation numbers in the lumbar spine and their utility in diagnosing disc disease. Helms CA, et al. **Comput Radiol** 1985 Sep–Oct;9(5):291–7

Hepatic computerized tomography in the Dubin–Johnson syndrome: increased liver density as a diagnostic aid. Rubinstein ZJ, et al. **Comput Radiol** 1985 Sep–Oct; 9(5):315–8

The critical importance of convolution function (algorithm) selection in the measurement of blood flow in small blood vessels by computed tomography scanning. Young SW, et al. **Comput Radiol** 1985 Sep–Oct;9(5):287–90

High–resolution computed tomography in intracranial aneurysms. Angtuaco EJ, et al. **CRC Crit Rev Diagn Imaging** 1986;25(2):113–58 (66 ref.)

Neuroradiologic techniques in the evaluation of lesions of the skull base. Ahn HS, et al. **Ear Nose Throat J** 1986 Feb;65(2):74–83

Computed tomography of the scapula. Crone–Münzebrock W, et al. **Eur J Radiol** 1986 May;6(2):99–102

Dynamic CT scanning of the normal canine liver: interpretation of time density curves resulting from an intravenous bolus injection of contrast material. Jaschke W, et al. **Eur J Radiol** 1985 Nov;5(4):256–60

New prospects in CT image processing via mathematical morphology. Prêteux F, et al. **Eur J Radiol** 1985 Nov; 5(4):313–7

Computed tomographic evaluation of morphological and functional condition of left ventricle in heart aneurysm. Rabkin I, et al. **Eur J Radiol** 1986 Feb;6(1):15–20

Utility of ceruletide in promoting intestinal opacification for abdominal and pelvic computed tomography. Demas BE, et al. **Gastrointest Radiol** 1986;11(2):197–9

Computed tomographic air enema technique to demonstrate colonic neoplasms. Solomon A, et al. **Gastrointest Radiol** 1986;11(2):194–6

Noise evaluation and filter design in CT images. Okada M. **IEEE Trans Biomed Eng** 1985 Sep;32(9):713–9

Spatial resolution analysis of computed tomographic images. Assimakopoulos PA, et al. **Invest Radiol** 1986 Mar; 21(3):260–71

Enhanced pancreatic CT imaging utilizing a geometric magnification technique. Clark LR, et al. **Invest Radiol** 1985 Aug;20(5):531–8

Liposomes as carriers of iodolipid radiocontrast agents for CT scanning of the liver. Jendrasiak GL, et al. **Invest Radiol** 1985 Dec;20(9):995–1002

Dual–energy scanned projection radiography of osseous metastatic disease. Sartoris DJ, et al. **Invest Radiol** 1985 Dec;20(9):983–8

Perfluorooctylbromide as a contrast agent for computed tomographic imaging of septic and aseptic arthritis. Sartoris DJ, et al. **Invest Radiol** 1986 Jan;21(1):49–55

Cine CT today only 'tip of the iceberg'. Stanford W. **Iowa Med** 1986 Apr;76(4):162–3

Prediction of vertebral body compressive fracture using quantitative computed tomography. McBroom RJ, et al. **J Bone Joint Surg [Am]** 1985 Oct;67(8):1206–14

CT of osteoid osteoma of the femoral neck: the value of oblique reformatting. Howie JL. **J Can Assoc Radiol** 1985 Sep;36(3):254–6

The inferior vena caval pseudo thrombus sign: diagnosis by dynamic CT after arm vein injection. Mukai J, et al. **J Can Assoc Radiol** 1985 Sep;36(3):250–3

High resolution orbital computed tomography. Citrin CM. **J Comput Assist Tomogr** 1986 Sep–Oct;10(5):810–6

Evaluation of common bile duct diameter using high resolution computed tomography. Co CS, et al. **J Comput Assist Tomogr** 1986 May–Jun;10(3):424–7

Cine–computed tomography of arrhythmogenic right ventricular dysplasia. Déry R, et al. **J Comput Assist Tomogr** 1986 Jan–Feb;10(1):120–3

Cine–computed tomography of Ebstein anomaly. Garrett JS, et al. **J Comput Assist Tomogr** 1986 Jul–Aug;10(4):664–6

Dual energy computed tomography: simulated monoenergetic and material–selective imaging. Hemmingsson A, et al. **J Comput Assist Tomogr** 1986 May–Jun;10(3):490–9

In utero diagnosis of congenital diaphragmatic hernia by CT amniography. Kelly DR, et al. **J Comput Assist Tomogr** 1986 May–Jun;10(3):500–2

Suburothelial hemorrhage: the value of preinfusion computed tomography. Kossol JM, et al. **J Comput Assist Tomogr** 1986 Jan–Feb;10(1):157–8

Statistical assessment of perceptual CT scan ratings in patients with Alzheimer type dementia. LeMay M, et al. **J Comput Assist Tomogr** 1986 Sep–Oct;10(5):802–9

Cine–computed tomography of cor triatriatum. MacMillan RM, et al. **J Comput Assist Tomogr** 1986 Jan–Feb; 10(1):124–5

Multiplanar computed tomography of acetabular fractures. Magid D, et al. **J Comput Assist Tomogr** 1986 Sep–Oct; 10(5):778–83

Direct coronal computed tomography for presurgical evaluation of posterior fossa tumors. Naidich TP, et al. **J Comput Assist Tomogr** 1985 Nov–Dec;9(6):1065–72

Computer–interactive method for quantifying cerebrospinal fluid and tissue in brain CT scans: effects of aging. Pfefferbaum A, et al. **J Comput Assist Tomogr** 1986 Jul–Aug;10(4):571–8

Low–dose metrizamide spinal computed tomography in outpatients. Pressman BD, et al. **J Comput Assist Tomogr** 1986 Sep–Oct;10(5):817–21

Acetabular fractures: three–dimensional computer tomographic imaging and interactive surgical planning. Burk DL Jr, et al. **J Comput Tomogr** 1986 Jan;10(1):1–10

Diagnosis of craniocervical dermoid by computed tomography and magnetic resonance imaging: a case report. Deeb ZL, et al. **J Comput Tomogr** 1985 Oct; 9(4):305–10

Imaging of the ischiorectal fossa. Kulkarni MV, et al. **J Comput Tomogr** 1985 Oct;9(4):329–36

Rapid–acquisition computed tomography demonstration of chronic calcified pericardial constriction. Rees M, et al. **J Comput Tomogr** 1986 Apr;10(2):183–6

Overview of computed tomography of the temporomandibular joint. Schatz SL, et al. **J Comput Tomogr** 1985 Oct;9(4):351–8

Acute brain edema in fatal head injury: analysis by dynamic CT scanning. Yoshino E, et al. **J Neurosurg** 1985 Dec; 63(6):830–9

Reconstruction algorithm for incomplete projections in the framework of linear operators in normed linear spaces. Seitz P, et al. **J Opt Soc Am [A]** 1985 Oct;2(10):1667–76

Three–dimensional computed tomographic analysis of the normal temporomandibular joint. Kursunoglu S, et al. **J Oral Maxillofac Surg** 1986 Apr;44(4):257–9

Computed tomography with multiplanar reformation and 3–dimensional image analysis in the preoperative evaluation of ischemic necrosis of the femoral head. Sartoris DJ, et al. **J Rheumatol** 1986 Feb;13(1):153–63

Use of the contrast–enhanced CT enema in the management of penetrating trauma to the flank and back. Phillips T, et al. **J Trauma** 1986 Jul;26(7):593–601

Diagnostic and therapeutic technology assessment. Enhanced computed tomography in head trauma. **JAMA** 1985 Dec 20;254(23):3370–1

The tailored CT evaluation of persistent facial nerve paralysis. Harnsberger HR, et al. **Laryngoscope** 1986 Apr; 96(4):347–52

Three–dimensional computed tomographic scanning and major surgical reconstruction of the head and neck. Jackson IT, et al. **Mayo Clin Proc** 1986 Jul;61(7):546–55

Results of computer–assisted stereotactic laser resection of deep–seated intracranial lesions. Kelly PJ, et al. **Mayo Clin Proc** 1986 Jan;61(1):20–7

Anatomic and kinematic analysis of the human forearm using high–speed computed tomography. Robbin ML, et al. **Med Biol Eng Comput** 1986 Mar;24(2):164–8

Reprojection using a parallel backprojector. Crawford CR. **Med Phys** 1986 Jul–Aug;13(4):480–3

Investigation of basic imaging properties in digital radiography. 5. Characteristic curves of II–TV digital systems. Fujita H, et al. **Med Phys** 1986 Jan–Feb;13(1):13–8

Evaluation of a prototype dual–energy computed tomographic apparatus. I. Phantom studies. Kalender WA, et al. **Med Phys** 1986 May–Jun;13(3):334–9

The backprojection method applied to classical tomography. Kampp TD. **Med Phys** 1986 May–Jun;13(3):329–33

Quantitative bone measurements using x–ray computed tomography with second–order correction. Robertson DD Jr, et al. **Med Phys** 1986 Jul–Aug;13(4):474–9

Evaluation of a prototype dual–energy computed tomographic apparatus. II. Determination of vertebral bone mineral content. Vetter JR, et al. **Med Phys** 1986 May–Jun; 13(3):340–3

A fully–automated computer–assisted method of CT brain scan analysis for the measurement of cerebrospinal fluid spaces and brain absorption density. Baldy RE, et al. **Neuroradiology** 1986;28(2):109–17

Extradural hematomas: measurement of size by volume summation on CT scanning. Petersen OF, et al. **Neuroradiology** 1984;26(5):363–7

Computed tomography–based stereotactic third ventriculostomy: technical note. Kelly PJ, et al. **Neurosurgery** 1986 Jun;18(6):791–4

Computed panoramic tomography with scanning laser–stimulated luminescence. Kashima I, et al. **Oral Surg Oral Med Oral Pathol** 1985 Oct;60(4):448–53

Skeletal morphology of anterior encephaloceles defined through the use of three–dimensional reconstruction of computed tomography. Hemmy DC, et al. **Pediatr Neurosci** 1985–86;12(1):18–22

A beam–hardening correction using dual–energy computed

tomography. Coleman AJ, et al. **Phys Med Biol** 1985 Nov; 30(11):1251–6

Studies on enophthalmos: II. The measurement of orbital injuries and their treatment by quantitative computed tomography. Manson PN, et al. **Plast Reconstr Surg** 1986 Feb;77(2):203–14

Usefulness of direct coronal CT in the diagnosis of urinary bladder tumor. Ohishi H, et al. **Radiat Med** 1984 Jul–Sep; 2(3):181–4

Computed tomography of the adrenal glands. Munro CJ. **Radiography** 1985 Sep–Oct;51(599):281–5

Computed tomography of the pancreas. Noble PN. **Radiography** 1985 Jul–Aug;51(598):205–10

The functional and anatomic evaluation of the cardiovascular system with rapid-acquisition computed tomography (cine CT). Steiner RM, et al. **Radiol Clin North Am** 1986 Sep; 24(3):503–20 (43 ref.)

Controversies in computed tomography of the thorax. The pulmonary nodule—lung cancer staging. Zerhouni EA, et al. **Radiol Clin North Am** 1985 Sep;23(3):407–26 (65 ref.)

Method for angio–CT. Simonetti G, et al. **Radiol Med (Torino)** 1986 Jun;72(6 Suppl 1):64–6

Focal hepatic masses and fatty infiltration detected by enhanced dynamic CT. Alpern MB, et al. **Radiology** 1986 Jan;158(1):45–9

Rotator cuff lesions of the shoulder: evaluation by direct sagittal CT arthrography. Beltran J, et al. **Radiology** 1986 Jul;160(1):161–5

Artifacts seen during CT pelvimetry: implications for digital systems with scanning beams. Brody AS, et al. **Radiology** 1986 Jul;160(1):269–71

Metallic hip implants: CT with multiplanar reconstruction. Fishman EK, et al. **Radiology** 1986 Sep;160(3):675–81

Patterns of contrast enhancement of benign and malignant hepatic neoplasms during bolus dynamic and delayed CT. Freeny PC, et al. **Radiology** 1986 Sep;160(3):613–8

Dynamic CT using an arterial bolus. Guinto FC Jr, et al. **Radiology** 1985 Nov;157(2):529–30

Regional myocardial dysfunction: evaluation of patients with prior myocardial infarction with fast CT. Lipton MJ, et al. **Radiology** 1985 Dec;157(3):735–40

Internal derangements of the temporomandibular joint evaluated with direct sagittal CT: a prospective study. Manco LG, et al. **Radiology** 1985 Nov;157(2):407–12

Heart evaluation by cine CT: use of two new oblique views. Rees MR, et al. **Radiology** 1986 Jun;159(3):804–6

Trabecular bone density in the proximal femur: quantitative CT assessment. Work in progress. Sartoris DJ, et al. **Radiology** 1986 Sep;160(3):707–12

Patient immobilization during CT for treatment planning of head and neck cancer. Sewchand W, et al. **Radiology** 1986 Jan;158(1):251–2

Elbow joint: assessment with double-contrast CT arthrography. Singson RD, et al. **Radiology** 1986 Jul; 160(1):167–73

CT myelography for outpatients. An inpatient/outpatient pilot study to assess methodology. Zinreich SJ, et al. **Radiology** 1985 Nov;157(2):387–90

Patient positioning for direct sagittal CT of the orbit parallel to the optic nerve. Zonneveld FW, et al. **Radiology** 1986 Feb;158(2):547–9

Nerve root cut-off on metrizamide-enhanced computerized tomography. Smith GR. **South Med J** 1986 May; 79(5):553–7

Computer assistance for C.T. scan interpretation and cerebral disease diagnosis. Teather D, et al. **Stat Med** 1985 Jul–Sep; 4(3):311–5

Contrast-enhanced computed tomography scanning of the postoperative spine. Brown BM, et al. **Surg Neurol** 1986 Apr;25(4):351–6

A method for volume determination of the orbit and its contents by high resolution axial tomography and quantitative digital image analysis. Cooper WC. **Trans Am Ophthalmol Soc** 1985;83:546–609 (90 ref.)

[The CT scan coupled to the injection of lipiodol into the hepatic artery. Preliminary trial] Bruneton JN, et al. **Ann Gastroenterol Hepatol (Paris)** 1985 Dec;21(6):409–12 (Eng. Abstr.) (Fre)

[Illustrations of the value of positional views in x-ray computed tomography] Marciano S, et al. **Ann Radiol (Paris)** 1985;28(5):411–2 (Eng. Abstr.) (Fre)

[Frontal and sagittal sections in whole body x-ray computed tomography] Lercher P, et al. **J Radiol** 1985 Oct; 66(10):581–3 (Eng. Abstr.) (Fre)

[Bone x-ray computed tomographic densitometry by the dual energy technic in a single rotation. Initial results] Chuong YT, et al. **Rev Rhum Mal Osteoartic** 1985 Dec;52(12):695–9 (Eng. Abstr.) (Fre)

[Computed tomography in endocrine orbitopathy: the effects of varying gantry tilt and patient positioning on the measurement of eye muscle thickness and the possibilities for correction] Markl A, et al. **Digitale Bilddiagn** 1986 Jun; 6(2):81–5 (Eng. Abstr.) (Ger)

[Cervical computed tomography] Zaunbauer W, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1985; 124:1–109 (Ger)

[Importance of body computer tomography in childhood] Brock A, et al. **Radiol Diagn (Berl)** 1985;26(5):675–82 (Eng. Abstr.) (Ger)

[Dynamic computed tomography and sequential scintigraphy—a comparison in cases of cerebral masses] Tellkamp H, et al. **Radiol Diagn (Berl)** 1985;26(6):753–60 (Eng. Abstr.) (Ger)

[CT diagnosis of traumatic injuries of the temporal bone] Valavanis A, et al. **Radiologe** 1986 Feb;26(2):85–90 (Eng. Abstr.) (Ger)

[Computerized tomography of the elbow joint] Burmester E, et al. **ROFO** 1985 Dec;143(6):671–6 (Eng. Abstr.) (Ger)

[Program system for quantitative evaluation of computed tomograms using a digital masking technic for isolation of organs of interest and organ regions from the value matrix] Döhring W, et al. **ROFO** 1986 Feb;144(2):135–48 (Eng. Abstr.) (Ger)

[Pre- and postoperative diagnosis of an aortic aneurysm by dynamic computed tomography with omission of angiography] Hruby W, et al. **ROFO** 1985 Sep;143(3):330–4 (Eng. Abstr.) (Ger)

[Computed tomographic determination of the anteversion angle. Premises and possibilities] Jend HH. **ROFO** 1986 Apr;144(4):447–52 (Eng. Abstr.) (Ger)

[Functional heterogeneity of liver metastases in 3-phase computerized tomograms] Kober B, et al. **ROFO** 1986 Jun; 144(6):707–10 (Eng. Abstr.) (Ger)

[Experience with the inhalation of a 33% xenon-(stable-)oxygen mixture in relation to a new method of measuring local cerebral circulation] Kohmura E, et al. **ROFO** 1986 May;144(5):531–6 (Eng. Abstr.) (Ger)

[Value of rapid sequential computed tomography for the diagnosis of liver cirrhosis] Kurtz B, et al. **ROFO** 1986 Jan;144(1):46–51 (Eng. Abstr.) (Ger)

[Dynamic CT of lymphoma manifestations of the liver and spleen] Kurtz B. **ROFO** 1986 Feb;144(2):149–53 (Eng. Abstr.) (Ger)

[3-dimensional display of computed tomographic studies of craniofacial anomalies] Witte G, et al. **ROFO** 1986 Apr; 144(4):400–5 (Eng. Abstr.) (Ger)

[Experiences with the radiologic diagnosis of small acoustic neuromas] Bender A, et al. **Rontgenblatter** 1986 Feb; 39(2):36–9 (Eng. Abstr.) (Ger)

[Histogram analysis in computed tomography—a further possibility for the early detection of pancreatic cancer] Klumair J, et al. **Rontgenblatter** 1985 Aug;38(8):253–7 (Eng. Abstr.) (Ger)

[Value of delayed computed tomography of the liver 4 hours after the administration of meglumine diatrizoate] Römer T, et al. **Rontgenpraxis** 1986 Apr;39(4):127–30 (Ger)

[Computed tomographic determination of the target volume of tumors in the pharyngeal and laryngeal areas] Richter E. **Strahlenther Onkol** 1986 Mar;162(3):162–70 (Eng. Abstr.) (Ger)

[CT image analysis for surface reconstruction of the hip joint] Hohmann D, et al. **Z Orthop** 1985 Nov–Dec;123(6):899–902 (Eng. Abstr.) (Ger)

[3-dimensional craniofacial computerized tomography] Pozzi Mucelli RS, et al. **Radiol Med (Torino)** 1986 Jun; 72(6):399–404 (Eng. Abstr.) (Ita)

[Application of 3-D display of brain CT images to operation planning] Yasuda T, et al. **Iyodenshi To Seitai Kogaku** 1986 Feb;24(1):22–7 (Eng. Abstr.) (Jpn)

[Cerebral peak time mapping using dynamic CT] Araki Y, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Mar 25; 46(3):445–52 (Eng. Abstr.) (Jpn)

[New positioning of the patient for direct coronal CT scanning of the neck] Hanai N, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1985 Aug 25; 45(8):1179–81 (Eng. Abstr.) (Jpn)

[Three-dimensional reconstruction of computed tomographic images by a computer graphics method] Kashiwagi T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Jan 25; 46(1):57–65 (Eng. Abstr.) (Jpn)

[The evaluation of slow injection dynamic CT scan for the vascular invasion of cancer of the biliary system and pancreas] Kikuchi T. **Nippon Igaku Hoshasen Gakkai Zasshi** 1985 Aug 25; 45(8):1121–34 (Eng. Abstr.) (Jpn)

[Basic and clinical studies of dynamic sequential computed tomography during arterial portography in the diagnosis of hepatic cancers] Matsui O. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Feb 25; 46(2):335–59 (Eng. Abstr.) (Jpn)

[The usefulness of prolonged high dose delayed contrast computed tomography for the diagnosis of intracranial angiographically occult vascular malformations] Kurata A, et al. **No Shinkei Geka** 1985 Aug;13(8):867–73 (Eng. Abstr.) (Jpn)

[Arteriovenous malformation. 3. Dynamic CT of arteriovenous malformation] Takeshita M, et al. **No Shinkei Geka** 1986 May;14(6):733–9 (Eng. Abstr.) (Jpn)

[CT-map of hilar and mediastinal lymph nodes for determining N-factor of lung cancer] Asai R, et al. **Rinsho Hoshasen** 1985 Dec;30(13):1523–8 (Eng. Abstr.) (Jpn)

[Energy subtraction utilizing Fuji computed radiography (FCR)] Kaseda S, et al. **Rinsho Hoshasen** 1985 Aug; 30(8):937–9 (Eng. Abstr.) (Jpn)

[Mannitol contrast enhancement CT in brain tumor] Miyagami M, et al. **Rinsho Hoshasen** 1986 Jan;31(1):15–21 (Eng. Abstr.) (Jpn)

[Esophageal varices in cirrhotics on dynamic computed tomography] Miyazaki M, et al. **Rinsho Hoshasen** 1985 Jul; 30(7):755–9 (Eng. Abstr.) (Jpn)

[Dynamic CT of renal dysfunction] Ohyama Y. **Rinsho Hoshasen** 1986 May;31(5):589–94 (Eng. Abstr.) (Jpn)

[Diagnostic and therapeutic punctures of the internal organs controlled by computed tomography] Kuzin MI, et al. **Khirurgiia (Mosk)** 1985 Aug;(8):113–5 (Rus)

[Computerized axial tomography and the complexity of "image diagnosis" in 1985 (editorial)] Lucaya J. **An Esp Pediatr** 1985 Nov 15;23(6):385–7 (Spa)

[High-resolution computerized tomography and otoradiology] Crovetto de la Torre MA, et al. **An Otorrinolaringol Ibero Am** 1985;12(5):423–31 (Eng. Abstr.) (Spa)

MORTALITY

[Problems in fatal incidents using contrast media after computed tomography] Wende S, et al. **Digitale Bilddiagn** 1986 Mar;6(1):15–7 (10 ref.) (Eng. Abstr.) (Ger)

STANDARDS

Potential hazards of xenon inhalation [editorial] Winkler S, et al. **AJNR** 1985 Nov–Dec;6(6):974–5

Medical radiation protection: a long view. Villforth JC. **AJR** 1985 Dec;145(6):1114–8

Computed tomographic volumetric calculation reproducibility. Staron RB, et al. **Invest Radiol** 1986 Mar; 21(3):272–4

Evaluation of image blur (unsharpness) in medical imaging. Haus AG. **Med Radiogr Photogr** 1985 Jun;61(1–2):42–53

A new phantom for evaluation of low-contrast detectability of X-ray CT scanner. Endo M, et al. **Radiat Med** 1984 Jul–Sep;2(3):176–80

[CT quality control and results of evaluation] Imhof H, et al. **Strahlenschutz Forsch Prax** 1986;27:38–42 (Ger)

SUPPLY & DISTRIBUTION

The adoption and diffusion of CT and MRI in the United States. A comparative analysis. Hillman AL, et al. **Med Care** 1985 Nov;23(11):1283–94

The wide distribution of CT scanners in Japan. Niki R. **Soc Sci Med** 1985;21(10):1131–7

TRENDS

Survey of CT-guided stereotactic surgery. Gildenberg PL, et al. **Appl Neurophysiol** 1985;48(1–6):477–80

[Computerized tomography: current status and developmental trends] Rubashov IB. **Ter Arkh** 1986; 58(3):23–9 (Rus)

UTILIZATION

Value of CT scanning in outpatients: preliminary report on a controlled study. Marchionni F, et al. **Ital J Neurol Sci** 1985 Dec;6(4):411–3

An analysis of computed tomographic brain scans. A computer-based study. Bagg MN, et al. **S Afr Med J** 1986 Aug 16;70(4):208–11

[Computer tomography in Swedish health care. The demands are often larger than access] Rundelius B. **Lakartidningen** 1986 Feb 12;83(7):527–8 (Swe)

VETERINARY

Use of x-ray-computed tomography as an aid in localization of adrenal masses in the dog. Bailey MQ. **J Am Vet Med Assoc** 1986 May 1;188(9):1046–9

Computed tomographic characteristics of primary brain tumors in 50 dogs. Turrel JM, et al. **J Am Vet Med Assoc** 1986 Apr 15;188(8):851–6

TONGUE

see related

GLOSSECTOMY

Idiopathic oromandibular dyskinesia treated by Vo complex microstereotactic thalamotomy. Narabayashi H, et al. **Appl Neurophysiol** 1985;48(1–6):309–14

Response of lingual ascorbic acid test and salivary ascorbate levels to changes in ascorbic acid intake. Leggott PJ, et al. **J Dent Res** 1986 Feb;65(2):131–4

A case of lingual thyroid with hypothyroidism. Kandasami P, et al. **Med J Malaysia** 1985 Mar;40(1):52–3

A tooth in the tongue. Haidar Z. **Oral Surg Oral Med Oral Pathol** 1986 Jun;61(6):568–9

ABNORMALITIES

Precocious puberty associated with oral-facial-digital syndrome type I. Somer M, et al. **Acta Paediatr Scand** 1986 Jul;75(4):672–5

An unusual variant chromosome 9 with an extra C-negative, G-dark segment in the short arm. Spedicato FS, et al. **Clin Genet** 1985 Aug;28(2):162–5

[Aglossia-adactylia. Apropos of a case. Review of the literature] Schuhl JF. **Ann Pediatr (Paris)** 1986 Feb; 33(2):137–40 (Eng. Abstr.) (Fre)

ANATOMY & HISTOLOGY

Dentoskeletal and tongue soft-tissue correlates: a cephalometric analysis of rest position. Lowe AA, et al. **Am J Orthod** 1985 Oct;88(4):333–41

Sonography of the tongue and floor of mouth. Balogh B,

et al. **Anat Anz** 1986;161(4):249–58
Age does not affect numbers of taste buds and papillae in adult rhesus monkeys. Bradley RM, et al. **Anat Rec** 1985 Jul;212(3):246–9
Tongue size, oral cavity size and speech. Oliver RG, et al. **Angle Orthod** 1986 Jul;56(3):234–43
Sonography of the tongue and floor of mouth. Part I: Anatomy. Neuhold A, et al. **Eur J Radiol** 1986 May; 6(2):103–7
A histological analysis of the early effects of alcohol and tobacco usage on human lingual epithelium. Valentine JA, et al. **J Oral Pathol** 1985 Sep;14(8):654–65
Arterial, venous and lymphatic pathways in dorsal mucosa of dog tongue (implicated routes for metastatic lesions). Maher WP. **Microcirc Endothelium Lymphatics** 1985 Apr; 2(2):161–84
[The relationship between the nature of the tongue proper and blood gases in aged persons over 90] Huang JY. **Chung Hsi I Chieh Ho Tsa Chih** 1986 May;6(5):275–6, 259 (Eng. Abstr.) (Chi)
[Real-time sonography in the diagnosis and follow-up of malignant tongue tumors. I.Anatomic basis] Neuhold A, et al. **ROFO** 1985 Dec;143(6):640–4 (Eng. Abstr.) (Ger)
[Histomorphological research on the effect of tongue size and position on the growth area of the articular cartilage] Benkert P, et al. **Zahn Mund Kieferheilkd** 1985;73(8):809–13 (Eng. Abstr.) (Ger)
[Position and volume of the tongue in eugnathia and true progenia] Bredy E, et al. **Zahn Mund Kieferheilkd** 1986; 74(1):13–20 (Eng. Abstr.) (Ger)
[The intraorganic lymphatic bed of the mucous membrane of the tongue] Kostiuk VK. **Arkh Anat Gistol Embriol** 1986 Apr;90(4):14–8 (Eng. Abstr.) (Rus)

BLOOD SUPPLY

Intimal cushions in the lingual artery of neonates and children. Macleod RI, et al. **Arch Oral Biol** 1985; 30(10):745–7
Lingual artery hemorrhage. Burke RH, et al. **Oral Surg Oral Med Oral Pathol** 1986 Sep;62(3):258–61
The tongue vein as a source of blood in the golden hamster—short communication. Graievskaya BM, et al. **Z Versuchstierkd** 1986;28(1–2):41–3
[The relation between tongue color and tongue microcirculation] Zhou S, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Jan;6(1):31–3, 4 (Eng. Abstr.) (Chi)
[Treatment of a cavernous hemangioma of the tongue by the prolonged administration of a sclerosing solution via the lingual artery] Kolikov SI, et al. **Stomatologiia (Mosk)** 1985 May–Jun;64(3):88–9 (Rus)

CYTOLOGY

Histamine content and mast cell numbers in tissues of normal and athymic rats. Aldenborg F, et al. **Agents Actions** 1986 Mar;17(5–6):454–9
Kinetics of cell replacement in the stratum granulosum of mouse tongue epithelium. Hume WJ. **Cell Tissue Kinet** 1986 Mar;19(2):195–203
Light and transmission electron microscopic studies on the lingual dorsal epithelium of the musk shrew, Suncus murinus. Iwasaki S, et al. **Okajimas Folia Anat Jpn** 1985 Jul;62(2):67–87

DRUG EFFECTS

Salt and acid studies on canine lingual epithelium. Simon SA, et al. **Am J Physiol** 1985 Nov;249(5 Pt 1):C398–408
[In vitro growth of lingual epithelial basal cells as affected by an extract of the nodose ganglion] Nadeev FI, et al. **Biull Eksp Biol Med** 1986 Apr;101(4):474–5 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Rat lingual lipase: effect of proteases, bile, and pH on enzyme stability. Roberts IM. **Am J Physiol** 1985 Oct;249(4 Pt 1):G496–500
Lingual lipase. Hamosh M. **Gastroenterology** 1986 May;90(5 Pt 1):1290–2
Lingual lipase: immunocytochemical localization in the rat von Ebner gland. Roberts IM, et al. **Gastroenterology** 1986 May;90(5 Pt 1):1170–5

INJURIES

Effect of excisional wounding on DMBA-induced hamster tongue carcinogenesis. Maeda H, et al. **J Oral Pathol** 1986 Jan;15(1):21–7
[Hematomas of the tongue musculature in attacks on the neck] Pollak S, et al. **Beitr Gerichtl Med** 1985;43:109–16 (Eng. Abstr.) (Ger)
[Traumatic macroglossia—a rare indication for tracheotomy] Kurlemann G, et al. **Klin Padiatr** 1985 Jul–Aug; 197(4):312–4 (Eng. Abstr.) (Ger)

INNERVATION

Demonstration of sensory innervation of rat tongue with anterogradely transported horseradish peroxidase. Bradley RM, et al. **Brain Res** 1986 Mar 5;367(1–2):364–7
Transganglionic transport of HRP from the circumvallate papilla of the rat. Bradley RM, et al. **Brain Res** 1985 Dec 30;361(1–2):154–61
Dual pathways for thermal afferents from the cat's tongue. Kawahara K, et al. **Brain Res** 1986 Jul 16;378(1):61–8
Glossopharyngeal and tectal influences on tongue-muscle motoneurons in the Japanese toad. Matsushima TA, et al. **Brain Res** 1986 Feb 12;365(1):198–203
Calcitonin gene-related peptide-immunoreactive nerves in the tongue, epiglottis and pharynx of the rat: occurrence, distribution and origin. Terenghi G, et al. **Brain Res** 1986 Feb 12;365(1):1–14
Tongue-muscle-controlling motoneurons in the Japanese toad: topography, morphology and neuronal pathways from the 'snapping-evoking area' in the optic tectum. Satou M, et al. **J Comp Physiol [A]** 1985 Dec;157(6):717–37
Gustatory signal processing in the glossopharyngeo-hypoglossal reflex arc of the frog. Nakachi T, et al. **Jpn J Physiol** 1986;36(1):189–208
Contribution of the receptor and basolateral membranes to the resting potential of a frog taste cell. Okada Y, et al. **Jpn J Physiol** 1986;36(1):139–50
Relation between translingual potential changes induced by NaCl in the bullfrog tongue and taste nerve activity. Soeda H, et al. **Jpn J Physiol** 1985;35(6):1101–5
Effect of antidromic stimulation of the glossopharyngeal nerve on afferent discharges occurring with and without sensory stimulation of the frog tongue. Murayama N, et al. **Neurosci Lett** 1985 Sep 16;60(1):95–9
Two distinct projection areas from tongue nerves in the frontal operculum of macaque monkeys as revealed with evoked potential mapping. Ogawa H, et al. **Neurosci Res** 1985 Aug;2(6):447–59
Unusual origins of the buccal and mylohyoid nerves. Jablonski NG, et al. **Oral Surg Oral Med Oral Pathol** 1985 Nov;60(5):487–8
Effects of exposure to psychophysical scaling on lingual vibrotactile magnitude estimation and magnitude production. Fucci D, et al. **Percept Mot Skills** 1986 Aug; 63(1):67–74

METABOLISM

Androgen receptor levels in cranial nerve nuclei and tongue muscles in rats. Yu WH, et al. **J Neurosci** 1986 May; 6(5):1302–7
Circadian biological time influences the effect adriamycin has on DNA synthesis in mouse bone marrow, ileum and tongue but not Ehrlich ascites carcinoma. Burns ER. **Oncology** 1985;42(6):384–7

PATHOLOGY

Hemimacroglossia and unilateral ischemic necrosis of the tongue in a long-duration neurosurgical procedure [letter] Teeple E, et al. **Anesthesiology** 1986 Jun;64(6):845–6
Occurrence of fissured tongue, geographic tongue and filiform atrophy among dental patients in Saudi Arabia. Mani NJ. **Ann Dent** 1985 Winter;44(2):14–6
Involvement of tongue in leprosy. Sharma VK, et al. **Indian J Lepr** 1985 Oct–Dec;57(4):841–4
Morphometric analysis of atrophic changes in human lingual epithelium in iron deficiency anaemia. Scott J, et al. **J Clin Pathol** 1985 Sep;38(9):1025–9
Myofibers in tongues of Down's syndrome. Yarom R, et al. **J Neurol Sci** 1986 May;73(3):279–87
[Clinical analysis of the tongue picture in 130 patients with primary liver carcinoma] Li NM. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Mar;6(3):143–6, 130 (Eng. Abstr.) (Chi)
[The eosinophil composition during the manifestations of early syphilis] Peychl L, et al. **Cesk Patol** 1985 Nov; 21(4):242–9 (Eng. Abstr.) (Cze)
[Tongue necrosis in Horton's disease [letter]] Bouvier M, et al. **Presse Med** 1986 Feb 22;15(8):399 (Fre)
[Necrosis of the tongue disclosing Horton's disease (letter)] Levy P, et al. **Presse Med** 1985 Sep 21;14(31):1670 (Fre)

PHYSIOLOGY

Vestibular and lingual muscular pressure on complete maxillary dentures. Fløystrand F. **Acta Odontol Scand** 1986 Apr;44(2):71–5
Lateralization of tongue movements during eating in children 2 to 5 years old. Gisel EG, et al. **Am J Occup Ther** 1986 Apr;40(4):265–70
Tongue movements in normal 2-, 3-, and 4-year-old children: a continuation study. Schwaab LM, et al. **Am J Occup Ther** 1986 Mar;40(3):180–5
Epithelial responses of rabbit tongues and their involvement in taste transduction. Simon SA, et al. **Am J Physiol** 1986 Sep;251(3 Pt 2):R598–608
The tongue, the lingometer, and the role of accommodation in occlusion. Fink FS. **Angle Orthod** 1986 Jul;56(3):225–33
Arterial perfusion of frog tongue for intracellular recording of taste cell receptor potential. Okada Y, et al. **Comp Biochem Physiol [A]** 1985;81(2):247–50
Comparison of fatty acid patterns of polar and neutral lipid classes and cyclo-oxygenase activity in taste and non-taste epithelium of steer tongues. Rabinowitz JL, et al. **Int J Biochem** 1986;18(6):543–8
Contextual effects on lingual-mandibular coordination. Edwards J. **J Acoust Soc Am** 1985 Dec;78(6):1944–8
Articulatory asymmetries. Hamlet SL, et al. **J Acoust Soc Am** 1986 Apr;79(4):1164–9
The acoustical significance of tongue, lip, and larynx maneuvers in rounded palatal vowels. Wood S. **J Acoust Soc Am** 1986 Aug;80(2):391–401
Threshold and suprathreshold correlations for the oral tactile sensory mechanism. Fucci D, et al. **J Speech Hear Res** 1985 Sep;28(3):331–5
Coarticulation in Italian /VtV/ sequences: a palatographic study. Farnetani E, et al. **Phonetica** 1985;42(2–3):78–99

PHYSIOPATHOLOGY

Nasal CPAP therapy, upper airway muscle activation, and obstructive sleep apnea. Strohl KP, et al. **Am Rev Respir Dis** 1986 Sep;134(3):555–8
Timing deficits in apraxia of speech. Ziegler W, et al. **Eur Arch Psychiatry Neurol Sci** 1986;236(1):44–9
Tongue strength and alternate motion rates in normal and dysarthric subjects. Dworkin JP, et al. **J Commun Disord** 1986 Apr;19(2):115–32
[Three cases of lingual ballistic movement followed by a rigid-dystonic state of the tongue] Horikawa H, et al. **Rinsho Shinkeigaku** 1985 Jun;25(6):653–8 (Eng. Abstr.) (Jpn)

RADIATION EFFECTS

Radiation response of the mouse tongue epithelium. Moses R, et al. **Br J Cancer [Suppl]** 1986;7:12–5

RADIOGRAPHY

Images of the tongue. Weidman B, et al. **Oral Surg Oral Med Oral Pathol** 1986 May;61(5):533–4

SURGERY

Czechoslovak CO2 laser in experimental and clinical application. Podstata J, et al. **Acta Univ Palacki Olomuc Fac Med** 1986;113:247–58
The infrahyoid myocutaneous flap for reconstruction after resection of head and neck cancer. Wang HS, et al. **Cancer** 1986 Feb 1;57(3):663–8
Regeneration of muscle following cryosurgery of the tongue. Whittaker DK, et al. **Cryobiology** 1985 Oct;22(5):457–67
Median labiomandibular glossotomy for access to the cervical spine. Moore LJ, et al. **J Oral Maxillofac Surg** 1985 Nov; 43(11):909–12
Tongue flap repair of postlaryngectomy hypopharyngeal stenosis. Calcaterra TC. **Laryngoscope** 1986 Jun; 96(6):617–20
[Glossoplasty and palatoplasty] Liu SX. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Sep;20(5):262–5, 317 (Eng. Abstr.) (Chi)
[A single-stage reconstruction of the pharynx using a tongue flap] Kralj Z. **Acta Med Iugosl** 1985;39(4):275–82 (Eng. Abstr.) (Scr)

TRANSPLANTATION

Use of tongue flap in submucous palatal fibrosis. Tepan MG, et al. **J Laryngol Otol** 1986 Apr;100(4):455–60

ULTRASTRUCTURE

Comparative scanning electron-microscopic study of the lingual papillae in two species of domestic mammals (Equus caballus and Bos taurus). 1. Gustatory Papillae. Chamorro CA, et al. **Acta Anat (Basel)** 1986;125(2):83–7
A scanning electron microscopic study of the dorsal surface of the human tongue. Kullaa-Mikkonen A, et al. **Acta Anat (Basel)** 1985;123(2):114–20
Geographic tongue: an SEM study. Kullaa-Mikkonen A. **J Cutan Pathol** 1986 Apr;13(2):154–62
A scanning electron microscopic study of fissured tongue. Kullaa-Mikkonen A, et al. **J Oral Pathol** 1986 Feb; 15(2):93–7
Scanning and transmission electron microscopy studies on the lingual dorsal epithelium of chickens. Iwasaki S, et al. **Kaibogaku Zasshi** 1986 Apr;61(2):83–96
The endothelium of initial lymphatics during postnatal development of the rat tongue. Castenholz A. **Scan Electron Microsc** 1985;(Pt 3):1201–8

TONGUE DISEASES

An unusual case of chronic tongue ulceration. Rangedara DC, et al. **J Trop Med Hyg** 1985 Jun;88(3):223–6

CHEMICALLY INDUCED

Sublingual hematoma: an unusual complication of heparin anticoagulation. Riggs JE. **W Va Med J** 1986 May;82(5):131

COMPLICATIONS

Lingual haematoma leading to upper airway obstruction. Hing NR, et al. **Br J Oral Maxillofac Surg** 1985 Oct; 23(5):322–5
Oral amyloidosis and gastrointestinal-motility dysfunction in amyloidosis associated with multiple myeloma. Tiyapant A, et al. **J Med Assoc Thai** 1985 Jun;68(6):303–8
Autopsy findings of the coronary arteries of variant angina with Raynaud's phenomenon of the tongue. Nakashima Y, et al. **Jpn Heart J** 1986 Jan;27(1):107–16
[Vegetating and erosive lichen of the tongue and active chronic hepatitis. Clinical indications] Rotoli M, et al. **G Ital Dermatol Venereol** 1986 May–Jun;121(3):179–81 (Eng. Abstr.) (Ita)

DIAGNOSIS

A case of lingual abscess. Luker J. **Br Dent J** 1985 Nov 9;159(9):300

Amyloidosis with oral involvement. Smith A, et al. **Br J Oral Maxillofac Surg** 1985 Dec;23(6):435–44

[Sonographic, clinical and surgical correlations in the diagnosis and control of the course of tongue infiltrations] Frühwald F, et al. **Radiologe** 1985 Oct;25(10):483–7 (Eng. Abstr.) (Ger)

DRUG THERAPY

Life-threatening sublingual hematoma in a severely hemophilic patient with factor VIII inhibitor. Takeuchi M, et al. **J Oral Maxillofac Surg** 1986 May;44(5):401–3

ETIOLOGY

Occult multiple myeloma associated with amyloid of the tongue. Babajews A. **Br J Oral Maxillofac Surg** 1985 Aug; 23(4):298–303

Numbness of half of the tongue. Sadler RM, et al. **Can J Neurol Sci** 1986 May;13(2):107–8

Hemiageusia, hemianaesthesia and hemiatrophy of the tongue. Strong MJ, et al. **Can J Neurol Sci** 1986 May; 13(2):109–10

METABOLISM

Sialochemistry in mucosal lesions of the tongue: electrolytes and total protein. Kullaa-Mikkonen A, et al. **Int J Oral Maxillofac Surg** 1986 Jun;15(3):318–21

PARASITOLOGY

Oral cysticercosis. Sharma AK, et al. **Int J Oral Maxillofac Surg** 1986 Jun;15(3):349–51

Multiple nodules on the tongue of a patient with seizures. Webb DJ, et al. **J Am Dent Assoc** 1986 May;112(5):701–2

PATHOLOGY

The verruciform xanthoma. A review and report of eight new cases. Neville B. **Am J Dermatopathol** 1986 Jun; 8(3):247–53

Sarcoidosis of the tongue—a case report. Macleod RI, et al. **Br J Oral Maxillofac Surg** 1985 Aug;23(4):243–6

Pyoderma gangrenosum with involvement of the tongue. Yusuf H, et al. **Br J Oral Maxillofac Surg** 1985 Aug; 23(4):247–50

Involvement of tongue in leprosy. Sharma VK, et al. **Indian J Lepr** 1985 Oct–Dec;57(4):841–4

Oto-laryngeal histoplasmosis. Samuel J, et al. **J Laryngol Otol** 1986 May;100(5):587–93

Dermal psoriasis involving the oral cavity. Trigonides G, et al. **J Oral Med** 1986 Apr–Jun;41(2):98–101

Malakoplakin of the tongue—a case report. Love RB, et al. **J Otolaryngol** 1985 Jun;14(3):179–82

[Hematomas of the tongue musculature in attacks on the neck] Pollak S, et al. **Beitr Gerichtl Med** 1985;43:109–16 (Eng. Abstr.) (Ger)

[Follicular lichen planus tumidus] Aloi FG, et al. **G Ital Dermatol Venereol** 1985 Nov–Dec;120(6):447–9 (Eng. Abstr.) (Ita)

RADIOGRAPHY

Computed tomography of the tongue in primary amyloidosis. Larsson SG, et al. **J Comput Assist Tomogr** 1986 Sep–Oct; 10(5):836–40

SURGERY

Erosive lichen planus of the tongue treated by cryosurgery. Loitz GA, et al. **J Oral Maxillofac Surg** 1986 Jul; 44(7):580–2

[Surgical treatment of glossoptosis in Robin's syndrome] Samar EN. **Stomatologiia (Mosk)** 1985 Sep–Oct;64(5):48–9 (Eng. Abstr.) (Rus)

THERAPY

[Combined treated dysgnathias following tongue dyskinesias] Tränkmann J. **Fortschr Kieferorthop** 1985 Oct; 46(5):398–406 (Eng. Abstr.) (Ger)

VETERINARY

Development of spontaneous tongue calcification and polypoid lesions in DBA/2NCrj mice. Imaoka K, et al. **Lab Anim** 1986 Jan;20(1):1–4

TONGUE, FISSURED

COMPLICATIONS

[Multirecurrent peripheral facial paralysis associated with scrotal tongue: report of a case] Fortes-Rêgo J. **Arq Neuropsiquiatr** 1985 Jun;43(2):217–21 (Eng. Abstr.) (Por)

METABOLISM

Changes in composition of whole saliva in patients with fissured tongue. Kullaa-Mikkonen A, et al. **Scand J Dent Res** 1985 Dec;93(6):522–8

OCCURRENCE

Occurrence of fissured tongue, geographic tongue and filiform atrophy among dental patients in Saudi Arabia. Mani NJ. **Ann Dent** 1985 Winter;44(2):14–6

PATHOLOGY

A scanning electron microscopic study of fissured tongue. Kullaa-Mikkonen A, et al. **J Oral Pathol** 1986 Feb; 15(2):93–7

Studies on lingua fissurata. Kullaa-Mikkonen A. **Proc Finn Dent Soc** 1986;82 Suppl 4:1–48

Studies on lingua fissurata. Kullaa-Mikkonen A. **Proc Finn Dent Soc** 1986;82 Suppl 3–4:1–48

TONGUE, FURROWED see **TONGUE, FISSURED**

TONGUE, GEOGRAPHIC see **GLOSSITIS, BENIGN MIGRATORY**

TONGUE HABITS

Hypnotherapy for chronic tongue sucking: a case study. Harris GM. **Am J Clin Hypn** 1986 Apr;28(4):233–7

The tongue, the lingometer, and the role of accommodation in occlusion. Fink FS. **Angle Orthod** 1986 Jul;56(3):225–33

Dentinal dysplasia [letter] Mew JR. **Br Dent J** 1986 Jul 5; 161(1):5

[4 anthroposcopic markers in the Northern Greece population: hand folding, arm folding, tongue rolling and tongue folding] Pentzos-Daponte A. **Anthropol Anz** 1986 Mar;44(1):55–60 (Eng. Abstr.) (Ger)

[Prepuce sucking and tongue play in housed fattening bulls] Sambraus HH, et al. **DTW** 1985 Nov 26;92(11–12):465–8 (Eng. Abstr.) (Ger)

TONGUE, HAIRY see under **TONGUE DISEASES**

TONGUE NEOPLASMS

[Lingual thyroid] Dvorski I. **Lijec Vjesn** 1986 Feb–Mar; 108(2–3):72–4 (Eng. Abstr.) (Scr)

CHEMICALLY INDUCED

Experimental induction of preneoplastic and neoplastic changes in the lingual mucosa of rats. Steidler NE, et al. **J Biol Buccale** 1985 Dec;13(4):339–46

COMPLICATIONS

Leukoplakia-associated multiple carcinomas in patients with tongue carcinoma. Shibuya H, et al. **Cancer** 1986 Feb 15; 57(4):843–6

Disseminated intravascular coagulation syndrome. Shikimori M, et al. **Int J Oral Surg** 1985 Oct;14(5):451–5

Barrett's mucosa with multiple carcinomas of the esophagus and oral cavity. Sheahan DG, et al. **J Clin Gastroenterol** 1986 Feb;8(1):103–7 (48 ref.)

Ludwig's angina resulting from the infection of an oral malignancy. Fischmann GE, et al. **J Oral Maxillofac Surg** 1985 Oct;43(10):795–6

[Osseous choristoma in vitiligo] Spallek W, et al. **Z Hautkr** 1986 Feb 15;61(4):199–202 (Eng. Abstr.) (Ger)

CONGENITAL

Congenital dermoid cysts of the tongue. Valtonen H, et al. **J Laryngol Otol** 1986 Aug;100(8):965–9

DIAGNOSIS

Diagnostic considerations of tongue-base malignancies. Lindeman P, et al. **Arch Otorhinolaryngol** 1985;242(2):203–7

Sonography of the tongue and floor of mouth. Part II: Neoplasms of the tongue. Frühwald F, et al. **Eur J Radiol** 1986 May;6(2):108–12

Tongue and tonsil cancer: staging with US. Bruneton JN, et al. **Radiology** 1986 Mar;158(3):743–6

Osseous choristoma of the tongue. Weitzner S. **South Med J** 1986 Jan;79(1):69–70

[Realtime sonography in the diagnosis and follow-up of malignant tongue tumors. II. Detection and staging] Frühwald F, et al. **ROFO** 1986 Feb;144(2):174–8 (Eng. Abstr.) (Ger)

[Real-time sonography in the diagnosis and follow-up of malignant tongue tumors. I.Anatomic basis] Neuhold A, et al. **ROFO** 1985 Dec;143(6):640–4 (Eng. Abstr.) (Ger)

[The use of sonography in the diagnosis of pathological changes in the mouth floor and tongue region] Frühwald F, et al. **Rontgenblatter** 1985 Oct;38(10):312–6 (Eng. Abstr.) (Ger)

[Aberrant goiter of the root of the tongue] Sysoliatin PG, et al. **Vestn Otorinolaringol** 1986 Jan–Feb;(1):71–2 (Rus)

[Difficulties in the diagnosis and treatment of the regional metastases of tongue cancer] Matiakin EG. **Vopr Onkol** 1986;32(6):61–6 (Eng. Abstr.) (Rus)

DRUG THERAPY

[Treatment of a cavernous hemangioma of the tongue by the prolonged administration of a sclerosing solution via the lingual artery] Kolikov SI, et al. **Stomatologiia (Mosk)** 1985 May–Jun;64(3):88–9 (Rus)

ETIOLOGY

Effect of excisional wounding on DMBA-induced hamster tongue carcinogenesis. Maeda H, et al. **J Oral Pathol** 1986 Jan;15(1):21–7

FAMILIAL & GENETIC

Familial occurrence of cancer of the mouth. Tashiro H, et al. **J Oral Maxillofac Surg** 1986 Apr;44(4):322–3

IMMUNOLOGY

[Immunohistochemical study of a case of a solitary plasmacytoma located in the tongue] Borio PS, et al. **Minerva Stomatol** 1985 Jul–Aug;34(4):695–9 (Eng. Abstr.) (Ita)

METABOLISM

Glycogen-rich clear cell carcinoma in the tongue. A cytochemical and ultrastructural study. Uri AK, et al. **Cancer** 1986 May 1;57(9):1803–9

MICROBIOLOGY

Papillomavirus DNA in human tongue carcinomas. de Villiers EM, et al. **Int J Cancer** 1985 Nov 15;36(5):575–8

Replication of Epstein-Barr virus within the epithelial cells of oral "hairy" leukoplakia, an AIDS-associated lesion. Greenspan JS, et al. **N Engl J Med** 1985 Dec 19; 313(25):1564–71

MORTALITY

Carcinoma of the tongue: the Montreal General Hospital experience from 1979 to 1984. Leclerc YE, et al. **Can J Surg** 1985 Nov;28(6):509–11

Rising mortality from cancer of the tongue in young white males [letter] Depue RH. **N Engl J Med** 1986 Sep 4; 315(10):647

OCCURRENCE

Teratoma of the tongue: a case report and literature review. Antoine GA, et al. **Laryngoscope** 1985 Oct;95(10):1262–3

PATHOLOGY

A mucoepidermoid tumour of the tongue. Hume WJ, et al. **Br J Oral Maxillofac Surg** 1985 Oct;23(5):355–61

Lingual thyroid. Jones JA. **Br J Oral Maxillofac Surg** 1986 Feb;24(1):58–62

Lymphangiomas of the tongue. Postlethwaite KR. **Br J Oral Maxillofac Surg** 1986 Feb;24(1):63–8

Primary haemangiosarcoma of the tongue. Rao KK, et al. **Int J Oral Maxillofac Surg** 1986 Aug;15(4):489–91

Lingual thyroid. A clinical and postmortem study. van der Wal N, et al. **Int J Oral Maxillofac Surg** 1986 Aug; 15(4):431–6

Adenoid cystic carcinoma of the base of the tongue. Cheney ML, et al. **J La State Med Soc** 1985 Dec;137(12):15–7

Carcinoma of the tongue in an adolescent: a case report and review of the literature. Chapman PJ. **J Oral Maxillofac Surg** 1986 May;44(5):391–4

Case 61: Tongue mass in an infant [clinical conference] Herzog S, et al. **J Oral Maxillofac Surg** 1986 Jun; 44(6):463–6

Chondroma of the tongue. Ling KC. **J Oral Maxillofac Surg** 1986 Feb;44(2):156–8

Multiple lesions of the so-called "squamous acanthoma" of the oral mucosa (basosquamous cell anthoma). Chaudhry AP, et al. **J Oral Med** 1986 Apr–Jun;41(2):114–6

Malignancy grading in oral squamous cell carcinoma. I. Squamous cell carcinoma of the tongue and floor of mouth: histologic grading in the clinical evaluation. Anneroth G, et al. **J Oral Pathol** 1986 Mar;15(3):162–8

Thyroglossal duct cyst of the tongue. Santiago W, et al. **J Otolaryngol** 1985 Aug;14(4):261–4

The effect of chemotherapeutic agents on human oral squamous cell carcinoma transplanted to nude mice: a histologic study. Boeheim K, et al. **Oral Surg Oral Med Oral Pathol** 1986 Jul;62(1):50–6

Oral condyloma planus (hairy leukoplakia) among homosexual men: a clinicopathologic study of thirty-six cases. Eversole LR, et al. **Oral Surg Oral Med Oral Pathol** 1986 Mar;61(3):249–55

Teratomas of the tongue present at birth. Rodin AE, et al. **Pediatr Pathol** 1985;3(2–4):291–8

[Dermoid cyst of the tongue] Bisschop P, et al. **Acta Otorhinolaryngol Belg** 1985;39(6):985–93 (Eng. Abstr.) (Fre)

[Granular-cell tumor (Abrikossoff). Immunohistological study of 4 cases with review of the literature] Kanitakis J, et al. **Ann Dermatol Venereol** 1985;112(11):871–6 (Eng. Abstr.) (Fre)

[Leiomyoblastoma of the tongue. A case report] Brocheriou C, et al. **Arch Anat Cytol Pathol** 1986;34(1):62–4 (Eng. Abstr.) (Fre)

[Cytokeratin expression in normal and malignant tongue epithelium] Weidauer H, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Apr;65(4):164–8 (Eng. Abstr.) (Ger)

[Granular-cell myoblastoma. A clinical case] Bucci E, et al. **Minerva Stomatol** 1986 Jun;35(6):609–12 (Eng. Abstr.) (Ita)

[Granular cell Abrikossoff's tumor. Histological and

immunohistochemical study on a case with multiple oral and skin localizations] Ferrari Parabita G, et al. **Minerva Stomatol** 1985 Sep-Oct;34(5):795-9 (Eng. Abstr.) (Ita)

[Correlation between histological grading of malignancy of squamous cell carcinoma of the tongue (by modified Willén's method) and the incidence of cervical lymph node metastasis] Hanazawa S. **Nippon Gan Chiryo Gakkai Shi** 1986 Feb 20;21(1):34-41 (Eng. Abstr.) (Jpn)

PREVENTION & CONTROL

Inhibition of hamster tongue carcinogenesis by selenium and retinoic acid. Goodwin WJ Jr, et al. **Ann Otol Rhinol Laryngol** 1986 Mar-Apr;95(2 Pt 1):162-6

PSYCHOLOGY

Radiotherapy: what are patients' needs? Eardley A. **Eur J Surg Oncol** 1985 Dec;11(4):353-5

RADIOGRAPHY

Agenesis of the internal carotid artery with a large hemangioma of the tongue. Murotani K, et al. **Neuroradiology** 1985;27(4):357-9

RADIOTHERAPY

Patterns of Care Study. Analysis of outcome survey data-anterior two-thirds of tongue and floor of mouth. Wallner PE, et al. **Am J Clin Oncol** 1986 Feb;9(1):50-7

Late effects of radiation treatment of tongue and floor-of-mouth cancer on the dentition, saliva secretion, mucous membranes and the lower jaw. Pyykönen H, et al. **Int J Oral Maxillofac Surg** 1986 Aug;15(4):401-9

A non-looping afterloading technique for base of tongue implants: results in the first 20 patients. Vikram B, et al. **Int J Radiat Oncol Biol Phys** 1985 Oct;11(10):1853-5

[Prognostic factors and results of external irradiation of cancers of the base of the tongue] Jaulerry C, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(7):519-24 (Eng. Abstr.) (Fre)

[Results of percutaneous radiotherapy of mostly advanced cancers of the tongue] Müller RP, et al. **Strahlenther Onkol** 1986 Jul;162(7):424-9 (Eng. Abstr.) (Ger)

[Results of interstitial curietherapy and combined transcutaneous radiotherapy-curietherapy in 150 patients with carcinoma of the tongue and/or mouth floor] Sannazzari GL, et al. **Radiol Med (Torino)** 1986 Jan-Feb; 72(1-2):37-42 (Eng. Abstr.) (Ita)

[Results of brachytherapy of tongue cancer] Nishio M, et al. **Gan No Rinsho** 1986 Apr;32(4):339-44 (Eng. Abstr.) (Jpn)

[Radiotherapy (interstitial irradiation) of carcinoma of the tongue—an analysis of cases in the past 10 years] Ohyama S, et al. **Gan No Rinsho** 1985 Nov;31(14):1762-70 (Eng. Abstr.) (Jpn)

[A clinical study on radiotherapy for carcinoma of the oral tongue] Niwa K. **Nippon Igaku Hoshasen Gakkai Zasshi** 1985 Jun 25;45(6):894-903 (Eng. Abstr.) (Jpn)

[Radiotherapy of tongue carcinoma] Watanabe N, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1985 Nov 25; 45(11):1455-61 (Eng. Abstr.) (Jpn)

[Short-term results of radiotherapy of cancer of the tongue and mouth floor mucosa using 60Co and 252Cf] Androsov NS, et al. **Med Radiol (Mosk)** 1986 Jun;31(6):3-7 (Eng. Abstr.) (Rus)

SECONDARY

Tongue metastasis from undifferentiated small cell (oat cell) lung cancer. Sridhar KS, et al. **J Fla Med Assoc** 1985 Jun; 72(6):428-30

Breast cancer metastatic to the tongue: report of a case. Perchick JS, et al. **J Oral Maxillofac Surg** 1986 Jun; 44(6):484-6

Arterial, venous and lymphatic pathways in dorsal mucosa of dog tongue (implicated routes for metastatic lesions). Maher WP. **Microcirc Endothelium Lymphatics** 1985 Apr; 2(2):161-84

[Sonographic, clinical and surgical correlations in the diagnosis and control of the course of tongue infiltrations] Frühwald F, et al. **Radiologe** 1985 Oct;25(10):483-7 (Eng. Abstr.) (Ger)

SURGERY

CO2 laser in treating carcinoma of the tongue. Hirano M, et al. **Auris Nasus Larynx** 1985;12 Suppl 2:S10-4

Surgery for squamous cell carcinoma of the tongue and floor of the mouth. Jahnke V. **Auris Nasus Larynx** 1985;12 Suppl 2:S5-9

An evaluation of neck dissection in carcinoma of the tongue. Satake B, et al. **Auris Nasus Larynx** 1985;12 Suppl 2:S21-3

Tumour implantation to a temporalis muscle flap donor site. Carr RJ, et al. **Br J Oral Maxillofac Surg** 1986 Apr; 24(2):102-6

Surgical treatment of early-stage carcinoma of the oral tongue—wound adjuvant treatment be beneficial? O'Brien CJ, et al. **Head Neck Surg** 1986 Jul-Aug;8(6):401-8

Resection of the tongue with the carbon dioxide laser: 100 cases. Carruth JA. **J Laryngol Otol** 1985 Sep;99(9):887-9

Total glossectomy without laryngectomy. Brusati R, et al. **J Maxillofac Surg** 1986 Feb;14(1):57-63

Malignant fibrous histiocytoma of the tongue. Manni JJ, et al. **J Maxillofac Surg** 1986 Apr;14(2):103-7

Metastasis to the lingual lymph node in carcinoma of the tongue. Ozeki S, et al. **J Maxillofac Surg** 1985 Dec; 13(6):277-81

Laser photocoagulation of vascular malformations of the tongue. Dixon JA, et al. **Laryngoscope** 1986 May; 96(5):537-41

Carcinoma of the tongue and tonsil (oropharynx). Shack RB. **Surg Clin North Am** 1986 Feb;66(1):83-96

[Total glossectomy without laryngectomy for recurrence after initial irradiation (2 year follow-up)] Rodriguez J, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(6):421-3 (Eng. Abstr.) (Fre)

[Rare tumors of the base of the tongue and their therapy] Deitmer T, et al. **HNO** 1985 Aug;33(8):366-9 (Eng. Abstr.) (Ger)

[The latissimus dorsi muscle flap: a new possibility for use in restorative surgery of the head and neck] Borbély L, et al. **Orv Hetil** 1985 Sep 22;126(38):2335-8 (Eng. Abstr.) (Hun)

[Reconstruction of a penetrating chin defect, after radical surgery, using a "gemini" flap from the pectoralis major muscle] Kásler M. **Orv Hetil** 1985 Sep 29;126(39):2411-3 (Eng. Abstr.) (Hun)

[Clinical and surgical aspects of carcinoma of the base of the tongue and of the glosso-epiglottic region] Gatti M, et al. **Acta Otorhinolaryngol Ital** 1985 Nov-Dec;5(6):561-70 (Eng. Abstr.) (Ita)

[Articulatory examination following the surgical treatments of carcinoma of the tongue—a proposal of an utterance list consisting of 25 monosyllables] Ohkubo H, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1985 Jul;88(7):876-81 (Eng. Abstr.) (Jpn)

[Injuries of the major blood vessels during oncologic operations] Chumak PIa, et al. **Klin Khir** 1986;(5):57-8 (Rus)

THERAPY

Treatment of a lingual hemangioma by superselective embolization. Schwartz DN, et al. **Arch Otolaryngol Head Neck Surg** 1986 Jan;112(1):96-8

Seventeen year's experience in the treatment of carcinoma of the mobile tongue. Fujitani T, et al. **Auris Nasus Larynx** 1986;13(1):45-52

Fifteen years experience with treatment of lingual carcinoma—a retrospective study. Lundquist PG, et al. **Auris Nasus Larynx** 1985;12 Suppl 2:S15-20

Local control of squamous cell carcinoma of the mobile tongue: an experience of different modalities. Kondo M, et al. **Int J Radiat Oncol Biol Phys** 1986 May;12(5):755-60

[The place of orthodontic treatment in the therapeutic management of lingual angiomas in children] Fellus P, et al. **Orthod Fr** 1984;55(2):595-601 (Fre)

[Prognosis of tongue carcinoma according to the therapeutic modality—with special reference to stages I and II] Amagasa T, et al. **Nippon Gan Chiryo Gakkai Shi** 1985 May 20;20(4):758-64 (Eng. Abstr.) (Jpn)

ULTRASTRUCTURE

Malignant fibrous histiocytoma of the tongue: report of a case and ultrastructural observations. McMillan MD, et al. **J Oral Pathol** 1986 May;15(5):255-60

VETERINARY

Mucinous adenocarcinoma of the tongue in a great horned owl. Dillehay DL, et al. **Vet Pathol** 1985 Sep;22(5):520-1

TONIN see **KININASE II**

TONOMETRY

ADVERSE EFFECTS

Acute corneal bullae produced during noncontact tonometry. Insler MS. **Am J Ophthalmol** 1986 Mar 15;101(3):375-6

INSTRUMENTATION

Disposable parafilm cover for the applanation tonometer. Assia E, et al. **Am J Ophthalmol** 1986 Sep 15;102(3):397-8

Comparison of the Challenger digital applanation tonometer and the Goldmann applanation tonometer. Lim JI, et al. **Am J Ophthalmol** 1986 Aug 15;102(2):154-8

Alcohol soaking damages applanation tonometer heads [letter] Key CB, et al. **Arch Ophthalmol** 1986 Jun;104(6):800

Application of a self-tonometer to home tonometry. Zeimer RC, et al. **Arch Ophthalmol** 1986 Jan;104(1):49-53

Tonometry in general practice—its use in early detection of primary open-angle glaucoma. König HL. **S Afr Med J** 1986 Mar 1;69(5):309-11

[Clinical application of the pneumo-tonometer] Hu C. **Chung Hua Yen Ko Tsa Chih** 1986 Jan;22(1):5-9 (Eng. Abstr.) (Chi)

[A calibrated applanation tonometer] Tang QZ. **Chung Hua Yen Ko Tsa Chih** 1986 Jan;22(1):14-8 (Eng. Abstr.) (Chi)

[A China-made non-contact tonometer—clinical trial] Zheng YZ. **Chung Hua Yen Ko Tsa Chih** 1986 Jan;22(1):10-3 (Eng. Abstr.) (Chi)

[A new oculopressor] Ulrich WD, et al. **Fortschr Ophthalmol** 1985;82(5):490-2 (Eng. Abstr.) (Ger)

[Comparative pressure measurements with the non-contact tonometer and the Goldmann applanation tonometer] Langmann G, et al. **Klin Monatsbl Augenheilkd** 1985 Nov; 187(5):345-7 (Eng. Abstr.) (Ger)

[Sterilization of impression tonometers using a sterilization ring. Virological studies] Jedrzejewski D, et al. **Klin Oczna** 1985 Aug;87(8):315-7 (Eng. Abstr.) (Pol)

METHODS

Pneumatonometry through bandage contact lenses. Rubenstein JB, et al. **Arch Ophthalmol** 1985 Nov; 103(11):1660-1

Clinical evaluation of the non-contact tonometer and comparison with Goldmann applanation tonometer. Rao BS. **Indian J Ophthalmol** 1984 Sep-Oct;32(5):432-4

TONSIL

Giant tonsillolith [letter] Hadi UM, et al. **Ear Nose Throat J** 1985 Oct;64(10):507-8

Impact on peritonsillar infections and microflora of phenoxymethylpenicillin alone versus phenoxymethylpenicillin in combination with metronidazole. Tunér K, et al. **Infection** 1986 May-Jun; 14(3):129-33

[Tuberculosis of the palatine tonsils] Savula MM, et al. **Probl Tuberk** 1985;(5):72-3 (Rus)

[Tuberculosis of the tonsils] Udovički J, et al. **Med Pregl** 1985;38(7-8):373-5 (Eng. Abstr.) (Ser)

ANALYSIS

Variation and frequency of cytokeratin polypeptide patterns in human squamous non-keratinizing epithelium. Wild GA, et al. **Exp Cell Res** 1986 Jan;162(1):114-26

CYTOLOGY

Phenotyping of mononuclear cells from tonsils and corresponding biopsies using a cytofluorimeter. A comparative study. Plum J, et al. **Acta Otolaryngol (Stockh)** 1986 Jan-Feb;101(1-2):129-34

Follicular dendritic cells isolated from human tonsils. Kinet-Denoël C, et al. **Adv Exp Med Biol** 1985;186:985-91

Regulation of lymphoid colony growth by factors derived from human bone marrow. Bains MA, et al. **Exp Hematol** 1986 Aug;14(7):648-53

Glucose oxidase as label in histological immunoassays with enzyme-amplification in a two-step technique: coimmobilized horseradish peroxidase as secondary system enzyme for chromogen oxidation. Kuhlmann WD, et al. **Histochemistry** 1986;85(1):13-7

Dendritic reticulum cells in reactive lymph nodes and tonsils: an immunohistological study. Guettier C, et al. **Histopathology** 1986 Jan;10(1):15-24

The in vitro production of anti-DNA antibody by cultured peripheral blood or tonsillar lymphoid cells from normal donors and SLE patients. Cairns E, et al. **J Immunol** 1985 Dec;135(6):3839-44

Accessory function of thymic and tonsillar dendritic cells in interferon gamma production by T lymphocytes. Le J, et al. **Lymphokine Res** 1986 Summer;5(3):205-13

Immunohistological identification of B cell differentiation in human tonsillar follicles by using monoclonal antibodies. Harabuchi Y, et al. **Tohoku J Exp Med** 1985 Sep; 147(1):21-31

Distribution pattern of lymphocyte subpopulations in human tonsils as analysed by monoclonal antibodies with double immunoenzymatic labeling. Berling J, et al. **Virchows Arch [A]** 1986;409(4):485-96

[Production of leucocyte (Le)-interferon by human tonsillar lymphocytes] Liang XR, et al. **Wei Sheng Wu Hsueh Pao** 1985 Jun;25(2):164-9 (Eng. Abstr.) (Chi)

EMBRYOLOGY

[Embryonic development of the lymphoepithelial organs in human fetuses] Khlystova ZS, et al. **Vestn Akad Med Nauk SSSR** 1986;(1):42-8 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Immunoelectron microscopical location of the acid cysteine proteinase inhibitor in the lymphatic tissue of the tonsils. Rinne A, et al. **Acta Histochem (Jena)** 1986;79(2):137-45

The human palatine tonsil studied from surgical specimens at all ages and in various pathological conditions. 2. Histochemical analyses. Favre A, et al. **Z Mikrosk Anat Forsch** 1986;100(2):161-88

GROWTH & DEVELOPMENT

Human tonsillar T lymphocytes: an immature or activated T-lymphocyte population. Plum J, et al. **Clin Immunol Immunopathol** 1986 Apr;39(1):14-23

IMMUNOLOGY

Phenotypic expression of T lymphocytes in thymus and peripheral lymphoid tissues. Hsu SM, et al. **Am J Pathol** 1985 Oct;121(1):69-78

The use of bacteria as probes for lectins in preparations of solubilized human tonsil cell membranes. Ralapati S, et al.

Biol Cell 1985;54(3):207–15

Soybean lectin–responding cells in human tonsil—II. An induction of concanavalin A–responsiveness and E-rosette-forming capacity to soybean lectin–responding cells by thymosin. Kinoshita Y, et al. **Cell Mol Biol** 1986; 32(4):407–10

Soybean lectin–responding cells in human tonsil—I. Separation of soybean lectin–responding cells and an alteration of the responsiveness of the separated cells by thymosin. Kinoshita Y, et al. **Cell Mol Biol** 1986; 32(4):399–406

Surface phenotype and function of tonsillar germinal center and mantle zone B cell subsets. Ledbetter JA, et al. **Hum Immunol** 1986 Jan;15(1):30–43

Histoimmunological discrepancies in primary IgA nephropathy and anaphylactoid purpura sustain relationships between mucosa and kidney. Bene MC, et al. **Nephron** 1986;43(3):214–6

[Localization of antigens on the cell surface and in tissue with the enzyme–labelled immunocytochemistry technic and immunoelectron microscopy] Gong YH, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Feb; 8(1):54–7 (Eng. Abstr.) **(Chi)**

[The palatal tonsils as a part of the lymphatic system. Inflow and outflow of newly–formed lymphocytes] Nowara E, et al. **HNO** 1986 Apr;34(4):164–9 (Eng. Abstr.) **(Ger)**

[The tonsils, an important organ of the immune system?] Pabst R. **Med Monatsschr Pharm** 1986 Mar;9(3):70–5 **(Ger)**

[Mitogen response of tonsillar lymphocytes to stimulation with phytohemagglutinins] Dergenc R, et al. **Srp Arh Celok Lek** 1986 Jan;114(1):9–17 (Eng. Abstr.) **(Scc)**

[Identification of subpopulations of mononuclear cells in human tonsils using the monoclonal antibody method with avidin–biotin and avidin–biotin–peroxidase complexes] Jovanović R, et al. **Srp Arh Celok Lek** 1985 Jan;113(1):9–16 (Eng. Abstr.) **(Scc)**

INJURIES

The exploding bottle top and oropharyngeal injuries. Vallis MP, et al. **Br J Surg** 1986 Mar;73(3):221

INNERVATION

Central connections of the lingual–tonsillar branch of the glossopharyngeal nerve and the superior laryngeal nerve in lamb. Sweazey RD, et al. **J Comp Neurol** 1986 Mar 22;245(4):471–82

METABOLISM

Immunohistochemical localization of smooth muscle myosin in human spleen, lymph node, and other lymphoid tissues. Unique staining patterns in splenic white pulp and sinuses, lymphoid follicles, and certain vasculature, with ultrastructural correlations. Pinkus GS, et al. **Am J Pathol** 1986 Jun;123(3):440–53

Penetration of erythromycin into tonsillar tissue. Falchi M, et al. **Curr Med Res Opin** 1985;9(9):611–5

Determination of cefatrizine levels in blood, tonsils, paranasal sinuses and middle ear. Santacroce F, et al. **Drugs Exp Clin Res** 1985;11(7):453–6

Relationship between fibronectin and lymphoid cells in buccal mucosa, labial salivary glands and palatine tonsil. Matthews JB, et al. **J Oral Pathol** 1986 Feb;15(2):103–8

Pharmacokinetics of phenoxymethylpenicillin in tonsils. Roos K, et al. **Scand J Infect Dis** 1986;18(2):125–30

[Clinical study of ceftizoxime suppositories in acute suppurative otitis media in children and tissue concentration of ceftizoxime in the palatine tonsil after administration of ceftizoxime suppositories] Kinoshita H, et al. **Jpn J Antibiot** 1985 Oct;38(10):3070–6 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Analysis of reactivation of latent pseudorabies virus infection in tonsils and Gasserian ganglia of pigs. Sabó A. **Acta Virol (Praha)** 1985 Sep;29(5):393–402

Are the tonsils and adenoids a reservoir of infection in otitis media with effusion (glue ear)? Maw AR, et al. **Clin Otolaryngol** 1985 Oct;10(5):265–9

Tonsil flora in the very young tonsillectomy patient. Toner JG, et al. **Clin Otolaryngol** 1986 Jun;11(3):171–4

The tonsillar carriage of Pasteurella haemolytica in lambs. Al–Sultan II, et al. **J Comp Pathol** 1985 Apr;95(2):193–201

Human adenoid organ culture: a model to study the interaction of influenza A with human nasopharyngeal mucosa. Edwards KM, et al. **J Infect Dis** 1986 Jan; 153(1):41–7

Experimental subcutaneous granulomas in sheep with Dermatophilus–like microorganisms from porcine tonsil. Momotani E, et al. **Mycopathologia** 1985 Sep;91(3):143–9

Infection of human epithelial cells by Epstein–Barr virus (EBV). II. Biochemical characterization of EBV–determined proteins synthesized in epithelial cells. Sinangil F, et al. **Virus Res** 1985 Oct;3(3):207–12

[Tonsillar and rectal gonorrhea. The value of routine culture for gonococci from the tonsils and rectum] Hagdrup H, et al. **Ugeskr Laeger** 1985 Nov 4;147(45):3607–9 (Eng. Abstr.) **(Dan)**

PATHOLOGY

A case for tonsillectomy [letter] Cooper R. **Anaesthesia** 1986 Apr;41(4):443

Tonsillar enlargement and palatal surgery [letter] Sellick BC. **Anaesthesia** 1986 Jan;41(1):91–2

Concanavalin A–binding histiocytes in Hodgkin's disease. A predictor of early relapse. Ree HJ. **Cancer** 1986 Jul 1; 58(1):87–95

Colour development of immunogold–labelled antibodies for light microscopy. Fritz P, et al. **Histochemistry** 1986; 85(3):209–14

The lateral neck radiograph in adenotonsillar hyperplasia. Mahboubi S, et al. **Int J Pediatr Otorhinolaryngol** 1985 Oct; 10(1):67–73

Oto–laryngeal histoplasmosis. Samuel J, et al. **J Laryngol Otol** 1986 May;100(5):587–93

A child with obstructive sleep apnea. Berman TM, et al. **Minn Med** 1985 Oct;68(10):773–4

Relief of upper airway obstruction by adenotonsillectomy. Potsic WP, et al. **Otolaryngol Head Neck Surg** 1986 Apr; 94(4):476–80

Post mortem health inspection of bovine tonsils. Duncanson GR, et al. **Vet Rec** 1986 Apr 19;118(16):459

Hypertrophic lingual tonsils and cough [letter] Lehrer JF. **West J Med** 1986 Feb;144(2):229

The human palatine tonsil studied from surgical specimens at all ages and in various pathological conditions. I. Morphological and structural analyses. Favre A, et al. **Z Mikrosk Anat Forsch** 1986;100(1):7–33

[Tonsillolith. Formation of a concretion in the pharyngeal tonsil] Andersen KM. **Ugeskr Laeger** 1985 Aug 26; 147(35):2769–70 (Eng. Abstr.) **(Dan)**

[Low–molecular cysteine protease inhibitors in the human palatal tonsil] Rinne A, et al. **Anat Anz** 1986;161(3):215–30 (Eng. Abstr.) **(Ger)**

[Age and cellular factors protecting the mucous membranes of the upper respiratory tract in healthy subjects and infectious pathology] Bulko VP, et al. **Fiziol Zh** 1985 Nov–Dec;31(6):702–6 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[Reaction of the palatal tonsils after the application of a He–Ne laser] Hubáček J, et al. **Acta Univ Palacki Olomuc Fac Med** 1984;107:315–20 (Eng. Abstr.) **(Ger)**

[Spontaneous superweak radiation of tissues in the ENT region] Navrátil J. **Acta Univ Palacki Olomuc Fac Med** 1986;113:325–31 **(Ger)**

SURGERY

Cryosurgical treatment of tonsillar hypertrophy in children. Almqvist U. **J Laryngol Otol** 1986 Mar;100(3):311–4

TONSILLAR NEOPLASMS

[Metastasis of nondifferentiated carcinoma of Waldeyer's ring] Sibl O, et al. **Cesk Otolaryngol** 1986 Jan;35(1):24–9 (Eng. Abstr.) **(Cze)**

DIAGNOSIS

Tongue and tonsil cancer: staging with US. Bruneton JN, et al. **Radiology** 1986 Mar;158(3):743–6

PATHOLOGY

Non–Hodgkin's lymphoma of Waldeyer's ring. Albada J, et al. **Cancer** 1985 Dec 15;56(12):2911–3

A comparative analysis of lymphomas involving Waldeyer's ring and the nasal cavity and paranasal sinuses. Robbins KT, et al. **J Otolaryngol** 1985 Feb;14(1):7–13

Mycosis fungoides of the tonsil: a T–cell lymphoma involving the skin and tonsil. Phillips TJ, et al. **J R Soc Med** 1985; 78 Suppl 11:25–7

Non–Hodgkin's lymphomas of Waldeyer's ring. Jurga L, et al. **Neoplasma** 1985;32(6):729–35

Clinical evaluation of patients with metastatic squamous carcinoma of the neck with occult primary tumor. Lee DJ, et al. **South Med J** 1986 Aug;79(8):979–83

[Angiofibrolipoma of the tonsil] Krausen C, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Jun;65(6):355–6 (Eng. Abstr.) **(Ger)**

[Nodular lymphoma with monoclonal proteins in the serum, IgG lambda myeloma and immunoblastic B–cell sarcoma in the same patient. Proliferation from a single cellular clone] Coma Luengo MA, et al. **Sangre (Barc)** 1986; 31(1):72–82 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

The alderman's nerve revisited. Head S. **Practitioner** 1986 Mar;230(1413):212, 215

RADIOGRAPHY

Trigerminal teratoma of the tonsil. Barr L, et al. **South Med J** 1986 Mar;79(3):386–7

RADIONUCLIDE IMAGING

[A case report of a suspected large intrahepatic tumor–like lesion of non–Hodgkin lymphoma originating from the left tonsil] Takeuchi M, et al. **Rinsho Hoshasen** 1985 Sep; 30(9):1017–20 (Eng. Abstr.) **(Jpn)**

RADIOTHERAPY

Iridium–192 implants in the treatment of tonsillar region malignancies. Puthawala AA, et al. **Arch Otolaryngol** 1985 Dec;111(12):812–5

Radiation therapy of squamous carcinoma of the tonsil: an analysis of prognostic factors and of treatment failures. Vallis MP, et al. **Br J Radiol** 1986 Mar;59(699):251–6

Interstitial radiation therapy for squamous cell carcinoma of the tonsillar region: the Creteil experience (1971–1981). Mazeron JJ, et al. **Int J Radiat Oncol Biol Phys** 1986 Jun; 12(6):895–900

Cancer of the tonsil. Ogrady M, et al. **J Otolaryngol** 1985 Aug;14(4):221–5

Response of human tumour xenografts to fractionated X–irradiation. Lindenberger J, et al. **Radiother Oncol** 1986 May;6(1):15–27

[Computed data on the combined use of local hyperthermia and tele–gammatherapy in the combined treatment of patients with cancer of the maxillary sinus, ethmoid bone and palatal tonsil] Bykov VL. **Vestn Otorinolaringol** 1986 May–Jun;(3):51–3 (Eng. Abstr.) **(Rus)**

SECONDARY

Secondary lymphoma of Waldeyer's ring: natural history and association with prior extranodal disease. Saul SH, et al. **Am J Otolaryngol** 1986 Jan–Feb;7(1):34–41

SURGERY

Tonsillectomy and adenoidectomy: a review. Black R. **Aust Fam Physician** 1986 Jun;15(6):714–5, 718

Carcinoma of the tongue and tonsil (oropharynx). Shack RB. **Surg Clin North Am** 1986 Feb;66(1):83–96

THERAPY

Cancer of the tonsil. Improved survival with combination therapy. Dasmahapatra KS, et al. **Cancer** 1986 Feb 1; 57(3):451–5

Carcinoma of the tonsillar region. Mizono GS, et al. **Laryngoscope** 1986 Mar;96(3):240–4

ULTRASTRUCTURE

[A case of IgD (lambda)–multiple myeloma presenting as a tonsillar tumor, characterized by various kinds of inclusions in the tumor cells as an initial manifestation] Nesumi N, et al. **Nippon Naika Gakkai Zasshi** 1985 Apr; 74(4):440–5 **(Jpn)**

TONSILLECTOMY

Comparison of paracetamol and aminophenazone plus diazepam suppositories for anxiety and pain relief after tonsillectomy in children. Lindgren L, et al. **Acta Anaesthesiol Scand** 1985 Oct;29(7):679–82

Risks and benefits of adenotonsillectomy for children with Down syndrome. Kavanagh KT, et al. **Am J Ment Defic** 1986 Jul;91(1):22–9

Head and neck swelling after tonsillectomy [letter] Rowlands JK. **Anaesth Intensive Care** 1985 Aug;13(3):336

Controlled comparison of nalbuphine and morphine for post–tonsillectomy pain. Krishnan A, et al. **Anaesthesia** 1985 Dec;40(12):1178–81

Topical lignocaine after tonsillectomy in children [letter] Williams A, et al. **Anaesthesia** 1986 Feb;41(2):222

Post–tonsillectomy secondary haemorrhage [letter] **Ann R Coll Surg Engl** 1985 Sep;67(5):335–6

Tonsillectomy today [editorial] Maw AR. **Arch Dis Child** 1986 May;61(5):421–3

Indications for adenotonsillectomy. Gates GA, et al. **Arch Otolaryngol Head Neck Surg** 1986 May;112(5):501–2

Markedly delayed postoperative malignant hyperthermia. Souliere CR Jr, et al. **Arch Otolaryngol Head Neck Surg** 1986 May;112(5):564–6

The effect of antibiotic therapy on recovery after tonsillectomy in children. A controlled study. Telian SA, et al. **Arch Otolaryngol Head Neck Surg** 1986 Jun; 112(6):610–5

Long term follow–up of secretory otitis media in children: the effects of adenotonsillectomy with insertion of a ventilation tube. Suzuki M, et al. **Auris Nasus Larynx** 1985; 12 Suppl 1:S237–8

Report of the Criteria Committee on tonsillectomy audit March, 1985. Thompson HL. **Anst Clin Rev** 1985 Jun; (17):78–85

Tonsillectomy and adenoidectomy: a review. Black R. **Aust Fam Physician** 1986 Jun;15(6):714–5, 718

Tonsil flora in the very young tonsillectomy patient. Toner JG, et al. **Clin Otolaryngol** 1986 Jun;11(3):171–4

A comparative study of benzydamine hydrochloride 0.15% w.v. ('Difflam' pump spray) and placebo as analgesics following tonsillectomy. Young JR. **J Int Med Res** 1985; 13(4):245–7

The effect of benzydamine hydrochloride (difflam) spray on post–tonsillectomy symptoms: a double–blind study. Raj TB, et al. **J Laryngol Otol** 1986 Mar;100(3):303–6

Outpatient T & A procedures [letter] Crysdale WS. **J Otolaryngol** 1985 Oct;14(5):341

Outpatient management of T and A procedure in children. Lee IN. **J Otolaryngol** 1985 Jun;14(3):176–8

Otoscopic, impedance, and audiometric findings in glue ear treated by adenoidectomy and tonsillectomy. A prospective

randomised study. Maw AR, et al. **Lancet** 1986 Jun 21; 1(8495):1399–402

Tonsillectomy as a co-factor in the development of AIDS. McCombie SC. **Med Hypotheses** 1986 Mar;19(3):291–3

Relief of upper airway obstruction by adenotonsillectomy. Potsic WP, et al. **Otolaryngol Head Neck Surg** 1986 Apr; 94(4):476–80

Parental pressure for tonsillectomy: attitudes and knowledge of parents accompanying their children to an ear, nose and throat clinic. Long CG, et al. **Psychol Med** 1985 Aug; 15(3):689–93

[Modern approach to tonsillectomy in children] Bláhová O, et al. **Cesk Pediatr** 1986 Mar;41(3):164–6 (Eng. Abstr.) (Cze)

[Adenoidectomy and tonsillectomy in children with hemophilia and von Willebrand disease] Thach-Toan, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(6):449–56 (Eng. Abstr.) (Fre)

[Adenotonsillectomy as a cure for sleep apnea syndrome in a 5-year-old boy] Bonzanigo C. **Helv Paediatr Acta** 1984 May;39(2):193–6 (Eng. Abstr.) (Ger)

[Sleep apnea syndrome—treatment by pharyngoplasty] Haneishi Y, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1985 Aug;88(8):1018–26 (Eng. Abstr.) (Jpn)

[Adenoidectomy and tonsillectomy in private practice. Is it dangerous—and what does it cost?] Martinsen E, et al. **Tidsskr Nor Laegeforen** 1986 May 10;106(12):1048–53 (Eng. Abstr.) (Nor)

[The focus of tonsillar infection and new criteria in the indications for tonsillectomy] Müllfay V, et al. **Rev Chir [Otorinolaringol]** 1985 Jul–Sep;30(3):175–82 (Eng. Abstr.) (Rum)

[Subcutaneous emphysema of the face and neck following tonsillectomy and adenotomy] Giussan AO, et al. **Vestn Otorinolaringol** 1986 Jul–Aug;(4):77–8 (Rus)

[Blood loss during adenotonsillectomy and radical surgery on the maxillary sinus in children under anesthesia, and its correction] Koveshnikov VG, et al. **Vestn Otorinolaringol** 1985 Jul–Aug;(4):43–4 (Eng. Abstr.) (Rus)

[Effectiveness of tonsillectomy and low-frequency ultrasonic therapy in patients with chronic tonsillitis and bronchial asthma] Ovchinnikov IuM, et al. **Vestn Otorinolaringol** 1986 Mar–Apr;(2):42–5 (Eng. Abstr.) (Rus)

[Dislocation of the mandible during tonsillectomy] Tatarin EV. **Voen Med Zh** 1986 Jun;(6):72 (Rus)

[Malignant hyperthermia in a patient undergoing tonsillectomy] Call L, et al. **Rev Esp Anestesiol Reanim** 1985 Nov–Dec;32(6):312–4 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

Study questions safety, economic benefits of outpatient tonsil/adenoid surgery [news] Raymond CA. **JAMA** 1986 Jul 18;256(3):311–2

[A case of angina of the lingual tonsil after tonsillectomy, causing exacerbation of a severe form of rheumatism] Iavrian LA. **Vestn Otorinolaringol** 1985 Nov–Dec;(6):84–5 (Rus)

ECONOMICS

Regional variations in costs of tonsillectomy and adenoidectomy. **Stat Bull Metrop Insur Co** 1985 Oct–Dec; 66(4):27–32

INSTRUMENTATION

Refinements in the use of the electrocautery in tonsillectomy and uvulopalatopharyngoplasty. Peters GE, et al. **Laryngoscope** 1986 Feb;96(2):216

METHODS

Pain relief following tonsillectomy (does sewing the faucial pillars together help?). Weighill JS, et al. **J Laryngol Otol** 1986 Mar;100(3):307–10

Bilateral peritonsillar abscesses and quinsy tonsillectomy. Dalton RE, et al. **J Natl Med Assoc** 1985 Oct;77(10):807–12

Tonsillectomy: a clinical study comparing the effects of local versus general anesthesia. McClairen WC Jr, et al. **Laryngoscope** 1986 Mar;96(3):308–10

TONSILLITIS

COMPLICATIONS

Complications of tonsillopharyngitis. Davis O, et al. **IMJ** 1986 Jan;169(1):26–9

[Acute pustulous bacterid] Savova I, et al. **Vestn Dermatol Venerol** 1985 Aug;(8):46–7 (Eng. Abstr.) (Rus)

[A case of angina of the lingual tonsil after tonsillectomy, causing exacerbation of a severe form of rheumatism] Iavrian LA. **Vestn Otorinolaringol** 1985 Nov–Dec;(6):84–5 (Rus)

[Use of levodopa, pyrroxan and etimizol in treating tonsillogenic cardiomyopathy] Dutka RIa. **Vrach Delo** 1985 Aug;(8):24–7 (Eng. Abstr.) (Rus)

[Gangrene of pharyngeal lymphoepithelial tissue and subsequent gas phlegmon of the neck] Duriška J, et al. **Cesk Otolaryngol** 1986 Mar;35(2):106–10 (Eng. Abstr.) (Slo)

DIAGNOSIS

An unusual otolaryngological problem—mucocutaneous lymph node syndrome (Kawasaki's syndrome) case report. Korkis JA, et al. **J Otolaryngol** 1985 Aug;14(4):257–60

Peritonsillitis: abscess or cellulitis? Shoemaker M, et al. **Pediatr Infect Dis** 1986 Jul–Aug;5(4):435–9

The diagnostic value of symptoms and signs in acute tonsillitis in children over the age of 10 and in adults. Roos K. **Scand J Infect Dis** 1985;17(3):259–67

A comparison between a commercial coagglutination test and conventional throat culture for the detection of group A streptococci in throat swabs. Strömberg A, et al. **Scand J Infect Dis** 1986;18(1):85–6

Lingual tonsillitis. Puar RK, et al. **South Med J** 1986 Sep; 79(9):1126–8

[The focus of tonsillar infection and new criteria in the indications for tonsillectomy] Müllfay V, et al. **Rev Chir [Otorinolaringol]** 1985 Jul–Sep;30(3):175–82 (Eng. Abstr.) (Rum)

[Diagnosis of enteroviral infection] Marchenko VI, et al. **Sov Med** 1986;(4):101–3 (Rus)

[Differential diagnosis of tonsillogenic infection and incipient forms of rheumatic fever] Bikbaeva AI, et al. **Vestn Otorinolaringol** 1986 Mar–Apr;(2):45–9 (Eng. Abstr.) (Rus)

DRUG THERAPY

Ceftriaxone therapy in otolaryngological and pulmonary infections. Fraschini F, et al. **Chemotherapy** 1986; 32(3):200–4

Treatment failure in acute streptococcal tonsillitis in children over the age of 10 and in adults. Roos K, et al. **Scand J Infect Dis** 1985;17(4):357–65

[Clinical evaluation of the TMS-19-Q.GC tablet in acute tonsillitis. A comparative double blind study with josamycin] Baba S, et al. **Jpn J Antibiot** 1985 May; 38(5):1368–88 (Eng. Abstr.) (Jpn)

[Effectiveness of rehabilitation treatment with dry aerosols in patients with tonsillitis] Iausheva AA, et al. **Vestn Otorinolaringol** 1985 Jul–Aug;(4):62–6 (Eng. Abstr.) (Rus)

[Clinico-immunologic substantiation of the use of diucifon in patients with chronic tonsillitis] Konstantinova NP, et al. **Vestn Otorinolaringol** 1985 Nov–Dec;(6):49–52 (Eng. Abstr.) (Rus)

IMMUNOLOGY

[Status of the monocytic component of the mononuclear phagocyte system in patients with chronic tonsillitis] Il'icheva OI. **Vestn Otorinolaringol** 1986 Mar–Apr; (2):39–42 (Eng. Abstr.) (Rus)

[Serum IgA, IgM and IgG levels in patients with chronic tonsillitis in relation to their genetic characteristics] Meniakin RP, et al. **Vestn Otorinolaringol** 1985 Sep–Oct; (5):42–4 (Eng. Abstr.) (Rus)

METABOLISM

Penetration of erythromycin into tonsillar tissue. Falchi M, et al. **Curr Med Res Opin** 1985;9(9):611–5

MICROBIOLOGY

[Epidemiological research on episodes of streptococcal pharyngo-tonsillitis in a circumscribed community] Benussi G, et al. **Nuovi Ann Ig Microbiol** 1985 Jan–Feb;36(1):25–31 (Eng. Abstr.) (Ita)

[Persistence of Staphylococcus aureus in the pharynx of children with chronic tonsillitis treated with autovaccine] Giedrys-Galant S, et al. **Pediatr Pol** 1985 Nov–Dec; 60(11–12):761–7 (Eng. Abstr.) (Pol)

[Comparative bacteriology of acute and chronic tonsillitis in children] Zanolli L, et al. **Rev Chil Pediatr** 1985 Jan–Feb; 56(1):7–12 (Eng. Abstr.) (Spa)

[Histological and histochemical study of Actinomyces sp. in chronic tonsillitis in children] Cardona MP, et al. **Rev Latinoam Microbiol** 1986 Jan–Mar;28(1):1–8 (Eng. Abstr.) (Spa)

OCCURRENCE

[Tonsillar and rectal gonorrhea. The value of routine culture for gonococci from the tonsils and rectum] Hagdrup H, et al. **Ugeskr Laeger** 1985 Nov 4;147(45):3607–9 (Eng. Abstr.) (Dan)

PATHOLOGY

The human palatine tonsil studied from surgical specimens at all ages and in various pathological conditions. 1. Morphological and structural analyses. Favre A, et al. **Z Mikrosk Anat Forsch** 1986;100(1):7–33

[Age and cellular factors protecting the mucous membranes of the upper respiratory tract in healthy subjects and infectious pathology] Bulko VP, et al. **Fiziol Zh** 1985 Nov–Dec;31(6):702–6 (Eng. Abstr.) (Rus)

SURGERY

Tonsillectomy and adenoidectomy: a review. Black R. **Aust Fam Physician** 1986 Jun;15(6):714–5, 718

THERAPY

The treatment of recurrent tonsillitis in adults. Stafford N, et al. **J Laryngol Otol** 1986 Feb;100(2):175–7

[A follow-up study of children with chronic tonsillitis treated with placental lipopolysaccharide] Long RZ. **Sun Chuan I Hsueh Yuan Hsueh Pao** 1985 Sep;16(3):270–2 (Eng. Abstr.) (Chi)

[Effectiveness of tonsillectomy and low-frequency ultrasonic therapy in patients with chronic tonsillitis and bronchial asthma] Ovchinnikov IuM, et al. **Vestn Otorinolaringol** 1986 Mar–Apr;(2):42–5 (Eng. Abstr.) (Rus)

[Experience with the conservative treatment of patients with chronic tonsillitis using low-frequency ultrasound] Ovchinnikov IuM, et al. **Vestn Otorinolaringol** 1986 Jul–Aug;(4):38–40 (Eng. Abstr.) (Rus)

TOOTH

see related
DENTITION
MALOCCLUSION
MASTICATION
ODONTOGENESIS
PALEODONTOLOGY

Bonding characteristics of impacted versus erupted permanent teeth. Jacobs G, et al. **Am J Orthod** 1986 Mar; 89(3):242–5

Tupilaks, scrimshaw and netsukes. Sperber GH. **Can Dent Assoc J** 1986 May;52(5):373–6

Dentistry on stamps. Loevy HT, et al. **J Am Dent Assoc** 1985 Oct;111(4):632

Optical properties of esthetic restorative materials and natural dentition. Cook WD, et al. **J Biomed Mater Res** 1985 May–Jun;19(5):469–88

Divisional Abstracts, supported by the International College of Dentists. **J Dent Res** 1986 Apr;65(4):462–630

Annual session, American Association for Dental Research. March 12–15, 1986, Washington, DC. Abstracts of papers. **J Dent Res** 1986 Mar;65 Spec No:163–375

Establishment of a large collection of extracted teeth for research. Jablonski NG, et al. **J Dent Res** 1986 Feb; 65(2):123–4

Method to avoid adherence of irreversible hydrocolloid to teeth during impression making. Hansen CA. **J Prosthet Dent** 1986 Jan;55(1):147–8

A tooth in the tongue. Haidar Z. **Oral Surg Oral Med Oral Pathol** 1986 Jun;61(6):568–9

Abstracts of papers presented at the 22nd annual congress, Odontologisk Riksstämma, of the Swedish Dental Society. November 13–15, 1985. **Swed Dent J** 1985;9(6):263–80

[Teeth and diet of Australopithecines (hypothesis on the evolution of man)] Pelliciotta E. **Ann Osp Maria Vittoria Torino** 1984 Jul–Dec; 27(7–12):271–81 (Eng. Abstr.) (Ita)

[Long-term follow-up of the vitality and dental sensitivity after multiple osteotomies of the facial bones] Chimenti C, et al. **Minerva Stomatol** 1985 Nov–Dec;34(6):923–9 (Eng. Abstr.) (Ita)

[Evolution of a bronchial foreign body (a tooth chip)] Grigoriu V, et al. **Rev Chir [Otorinolaringol]** 1985 Oct–Dec; 30(4):311–4 (Eng. Abstr.) (Rum)

ANALYSIS

Characterization and immunocytochemical localization of dentine phosphoprotein in rat and bovine teeth. Gorter de Vries I, et al. **Arch Oral Biol** 1986;31(1):57–66

Lead in teeth of weanling rats received via the maternal drinking water. Grobler SR, et al. **Arch Oral Biol** 1985; 30(6):509–11

An evaluation of various plastic embedding methods for preparing ground sections from calcified tissue with the Logitech system for light microscopy. Wong FT. **Calcif Tissue Int** 1985 Dec;37(6):669–72

Surface enamel fluoride concentrations of different types of human teeth in a high- and near-optimal-fluoride area. Grobler SR, et al. **J Dent Res** 1986 Jun;65(6):945–7

Ampicillin concentrations in human serum, gingiva, mandibular bone, dental follicle, and dental pulp following a single oral administration of bacampicillin. Akimoto Y, et al. **J Oral Maxillofac Surg** 1986 Feb;44(2):107–12

Determination of fluorescent oxytetracycline complexes in dental and skeletal hard tissues by rapid and accurate quantitative method. Fukutani S, et al. **Prog Clin Biol Res** 1985;187:215–24

Lead in teeth: the influence of the tooth type and the sample within a tooth on lead levels. Purchase NG, et al. **Sci Total Environ** 1986 Jul;52(3):239–50

[Cadmium content in the mineral component of dental tissues] Palano D, et al. **Minerva Stomatol** 1986 Apr;35(4):271–5 (Eng. Abstr.) (Ita)

ANATOMY & HISTOLOGY

Clinical crown length and reduction in overjet, overbite, and dental height with orthodontic treatment. Abdel-Kader HM. **Am J Orthod** 1986 Mar;89(3):246–50

Statistical evaluation of torque angles in reference to straight-wire appliance (SWA) theories. Vardimon AD, et al. **Am J Orthod** 1986 Jan;89(1):56–66

Dental reduction in post-pleistocene Nubia. Calcagno JM. **Am J Phys Anthropol** 1986 Jul;70(3):349–63

Further hominids from the Plio-Pleistocene of Koobi Fora,

Kenya. Leakey RE, et al. **Am J Phys Anthropol** 1985 Jun; 67(2):135–63

Dimensional and discrete dental trait asymmetry relationships. Mayhall JT, et al. **Am J Phys Anthropol** 1986 Mar;69(3):403–11

Intra- and interobserver concordance in classifying dental morphology. Nichol CR, et al. **Am J Phys Anthropol** 1986 Mar;69(3):299–315

Affinities between contemporary and skeletal Jewish and non-Jewish groups based on tooth morphology. Sofaer JA, et al. **Am J Phys Anthropol** 1986 Jun;70(2):265–75

Occlusal contacts following orthodontic treatment. Measured by a photocclusion technique. Gazit E, et al. **Angle Orthod** 1985 Oct;55(4):316–20

Facial, dentoalveolar and dental morphology in serial or early extraction. Odenrick L, et al. **Angle Orthod** 1985 Jul; 55(3):206–14

Characteristics and stability of spaced dentition. Steigman S, et al. **Angle Orthod** 1985 Oct;55(4):321–8

The immediate maxillary full denture. II. The dento-alveolar complex. Johnson K. **Aust Dent J** 1986 Apr;31(2):124–32 (90 ref.)

Tooth size in 47,XYY males: evidence for a direct effect of the Y chromosome on growth. Townsend G, et al. **Aust Dent J** 1985 Aug;30(4):268–72

Biometrical studies upon hominoid teeth: the coefficient of variation, sexual dimorphism and questions of phylogenetic relationship. Blumenberg B. **Biosystems** 1985;18(2):149–84

'The deformation of cusps by bonded posterior composite restoration' [letter] Horton JG. **Br Dent J** 1986 Feb 22; 160(4):113–4

Distribution of APF gel on tooth surfaces. McCall DR, et al. **Br Dent J** 1985 Aug 10;159(3):82–4

A practical form of pre-extraction records for construction of complete dentures. Quinn DM, et al. **Br Dent J** 1986 Mar 8;160(5):166–8

Maintaining an ideal tooth-gingiva relationship when exposing and aligning an impacted tooth. Wong-Lee TK, et al. **Br J Orthod** 1985 Oct;12(4):189–92

Radiographic study of alveolar bone height related to tooth and root length. Eliasson S, et al. **Community Dent Oral Epidemiol** 1986 Jun;14(3):169–71

Morphology and variation in the posterior dentition of Picrodus nilberlingi (Picrodontidae). Williams JA. **Folia Primatol (Basel)** 1985;45(1):48–58

Ontogeny and dental genetics in forensic problems. Dahlberg AA. **Forensic Sci Int** 1986 Feb-Mar;30(2-3):163–76

Static genetic and phenotypic allometry of dental traits in inbred and hybrid house mice. Leamy L. **Growth** 1985 Winter;49(4):490–9

Teeth, health and infection. Morse DR, et al. **Int J Psychosom** 1986;33(1):3–4

Observations on the preparation of sections of dental hard and soft tissues without conventional embedding procedures. Mok YC, et al. **J Biol Buccale** 1985 Sep; 13(3):215–25

A clinical study of the width of the attached gingiva in the deciduous, transitional and permanent dentitions. Tenenbaum H, et al. **J Clin Periodontol** 1986 Apr; 13(4):270–5

An image analysis system for the determination of tooth dimensions from study casts: comparison with manual measurements of mesio-distal diameter. Brook AH, et al. **J Dent Res** 1986 Mar;65(3):428–31

On the non-existence of compensatory tooth size interaction in a contemporary human population. Kieser JA, et al. **J Dent Res** 1986 Aug;65(8):1105–7

Genetic variance in dental dimensions of Punjabi twins. Sharma K, et al. **J Dent Res** 1985 Dec;64(12):1389–91

A study on tooth marks (Part 2)—On the reproducibility and identification of tooth marks by means of a three-dimensional measuring instrument. Innami T, et al. **J Nihon Univ Sch Dent** 1985 Dec;27(4):233–46

Study of color in prosthodontics. Part I. On measuring instruments. Satoh Y, et al. **J Nihon Univ Sch Dent** 1985 Jun;27(2):105–13

Extension of clinical crown length. Baima RF. **J Prosthet Dent** 1986 May;55(5):547–51

An esthetic control system for fixed and removable prosthodontics. Behrend DA. **J Prosthet Dent** 1985 Oct; 54(4):488–96

A technique for evaluation of centric relation tooth contacts. Part I: During normal temporomandibular joint function. Capp NJ, et al. **J Prosthet Dent** 1985 Oct;54(4):569–74

Reproducibility of occlusal marking techniques. Gazit E, et al. **J Prosthet Dent** 1986 Apr;55(4):505–9

Alternative cingulum rest seat. Ivanhoe JR. **J Prosthet Dent** 1985 Sep;54(3):395–6

Preparation of a 135-degree shoulder for a ceramometal margin using an end-cutting bur. McAdam DB. **J Prosthet Dent** 1985 Oct;54(4):473–7

Odontogenic polarity and Butler's field theory. Kieser JA. **Med Hypotheses** 1986 May;20(1):103–7

Replica techniques for in vivo studies of tooth surfaces and prosthetic materials. Ekfeldt A, et al. **Scand J Dent Res** 1985 Dec;93(6):560–5

Morphological and metric dental study on Indians. Bhasin MK, et al. **Z Morphol Anthropol** 1985;76(1):77–90

[Structural study and microanalysis of the teeth of the sparid Pagellus bellottii] Nicolleau P, et al. **J Biol Buccale** 1985 Dec;13(4):283–91 (Eng. Abstr.) (Fre)

[Morphometry of dental tissues] Lichnovská J. **Acta Univ Palacki Olomuc Fac Med** 1984;107:409–15 (Ger)

[Prediction of space requirements in the support zones using multiple regression equations] Bachmann S. **Fortschr Kieferorthop** 1986 Jan;47(1):79–86 (Eng. Abstr.) (Ger)

[Observations on the teeth of Torpedo marmorata] Aloj Totaro E, et al. **Boll Soc Ital Biol Sper** 1985 Jun 30; 61(6):925–31 (Eng. Abstr.) (Ita)

[Study on the distribution form of mesiodistal crown diameter in a large number of samples: Part 1] Iida T, et al. **Kokubyo Gakkai Zasshi** 1985 Sep;52(3):545–57 (Eng. Abstr.) (Jpn)

BLOOD SUPPLY

The blood-vessel thrust theory of tooth eruption and migration. Sutton PR, et al. **Med Hypotheses** 1985 Nov; 18(3):289–95

CYTOLOGY

Type-I collagen production by human odontoblast-like cells in explants cultured on cyanoacrylate films. Electron-immunolocalization of fibronectin at cell/film interface. Magloire H, et al. **Cell Tissue Res** 1986; 244(1):133–40

DRUG EFFECTS

Effect of selenium on developing mouse teeth in culture in vitro. Rahkamo A, et al. **Arch Oral Biol** 1986;31(6):399–403

Fluoride, teeth and bone. Smith GE. **Med J Aust** 1985 Sep 30;143(7):283–6 (22 ref.)

[Effect of aluminum on the mechanical properties of dental hard tissues in experimental animals kept on a normal diet] Kóbor A, et al. **Fogorv Sz** 1986 Mar;79(3):87–92 (Eng. Abstr.) (Hun)

EMBRYOLOGY

Monoclonal antibodies to different epitopes in amelogenins from fetal bovine teeth recognize high-molecular-weight components. Christner PJ, et al. **Arch Oral Biol** 1985; 30(11-12):849–54

An experimental study of timing and topography of early tooth development in the mouse embryo with an analysis of the role of innervation. Lumsden AG, et al. **Arch Oral Biol** 1986;31(5):301–11

ENZYMOLOGY

Activity of gamma-glutamyl transferase in developing teeth of the rat. Ahlund-Lindqvist C, et al. **Scand J Dent Res** 1985 Oct;93(5):421–5

GROWTH & DEVELOPMENT

Variation in the developing root cone angle of the permanent mandibular teeth of modern man and certain fossil hominids. Dean MC. **Am J Phys Anthropol** 1985 Oct; 68(2):233–8

Cemental annulation enhancement: a technique for age determination in man. Naylor JW, et al. **Am J Phys Anthropol** 1985 Oct;68(2):197–200

Delayed dental development and pulmonary disease severity in children with cystic fibrosis. Mahaney MC. **Arch Oral Biol** 1986;31(6):363–7

Correlation of permanent teeth, stature and weight. Pathak RK, et al. **Indian Pediatr** 1985 Jun;22(6):433–6

Dental maturation in hemifacial microsomia. Loevy HT, et al. **J Craniofac Genet Dev Biol [Suppl]** 1985;1:267–72

[Morphologic features of the jaw and the growth of the teeth in experimental hyperparathyroidism] Kalion PT, et al. **Vrach Delo** 1986 Apr;(4):76–8 (Eng. Abstr.) (Rus)

INJURIES

The prevalence of orofacial injuries and use of mouthguards in Rugby Union. Chapman PJ. **Aust Dent J** 1985 Oct; 30(5):364–7

Dental and facial injuries following sports accidents: a study of 130 patients. Hill CM, et al. **Br J Oral Maxillofac Surg** 1985 Aug;23(4):268–74

Treatment of endodontic urgent care cases. Antrim DD, et al. **Dent Clin North Am** 1986 Jul;30(3):549–72 (42 ref.)

Mouth protectors and oral trauma: a study of adolescent football players. Garon MW, et al. **J Am Dent Assoc** 1986 May;112(5):663–5

Dental complications during and after tracheal intubation. Lockhart PB, et al. **J Am Dent Assoc** 1986 Apr;112(4):480–3

Waterslide accidents. Stokes AN. **NZ Dent J** 1985 Oct; 81(366):114–6

[The knocked-out tooth] Baart JA. **Ned Tijdschr Geneeskd** 1985 Nov 23;129(47):2251–2 (Dut)

[The knocked-out tooth (letter)] Moorer WR. **Ned Tijdschr Geneeskd** 1986 Jan 18;130(3):133–4 (Dut)

[A plea for better compensation for dental lesions in adults under common law] Scheffer P. **Rev Stomatol Chir Maxillofac** 1986;87(1):37–41 (Eng. Abstr.) (Fre)

[General aspects of dental and maxillofacial injuries in childhood] Borgogna E, et al. **Minerva Stomatol** 1986 Mar; 35(3):209–11 (Eng. Abstr.) (Ita)

[Elimination of traumatic crown defects of the anterior teeth in children and adolescents by composites using parapulpal pins] Gumetskil RA, et al. **Stomatologiia (Mosk)** 1985 Sep-Oct;64(5):65–8 (Eng. Abstr.) (Rus)

INNERVATION

The relation between intradental nerve activity and pulpal pain after heat stimulation. Ahlquist ML, et al. **Acta Physiol Scand** 1986 May;127(1):1–7

Effects of naloxone on dental pain threshold following muscle exercise and low frequency transcutaneous nerve stimulation: a comparative study in man. Olausson B, et al. **Acta Physiol Scand** 1986 Feb;126(2):299–305

On nerves and teeth in the lower jaw of the cichlid Tilapia mariae. Holje L, et al. **Anat Rec** 1986 Mar;214(3):304–11

Representations of the face, teeth and oral cavity in areas 3b and 1 of somatosensory cortex in squirrel monkeys. Cusick CG, et al. **Brain Res** 1986 Apr 9;370(2):359–64

A peripheral stimulus initiates the collateral reinnervation of cat teeth. Robinson PP. **Brain Res** 1986 Feb 26; 366(1-2):397–400

Reinnervation of teeth after segmental osteotomy. Holland GR, et al. **Int J Oral Maxillofac Surg** 1986 Aug; 15(4):437–43

Reinnervation of teeth after segmental osteotomy in the cat. The effect of segment repositioning and bone grafting. Robinson PP. **Int J Oral Maxillofac Surg** 1986 Apr; 15(2):152–9

[Changes in the sensitivity and vitality of teeth in a mandibular fracture line] Macan D, et al. **Chir Maxillofac Plast** 1985;15(3):103–14 (Eng. Abstr.) (Scr)

METABOLISM

Atherosclerosis precursors in Finnish children and adolescents. XIV. Zinc and copper concentrations in deciduous teeth. Haavikko K, et al. **Acta Paediatr Scand [Suppl]** 1985;318:213–9

Iron uptake by teeth and bones: a Mossbauer effect study. Bauminger E, et al. **Calcif Tissue Int** 1985 Jul;37(4):386–9

Does germanium interact with radular morphogenesis and biomineralization in the limpet Lottia gigantea? Rinkevich B. **Comp Biochem Physiol [C]** 1986;83(1):137–41

Adsorption of antibiotic TA to dental hard tissues. Manor A, et al. **J Dent Res** 1985 Dec;64(12):1371–3

Error analysis of the microradiographic determination of mineral content in mineralised tissue slices. de Josselin de Jong E, et al. **Phys Med Biol** 1985 Oct;30(10):1067–75

[Mechanism of saccharose retention on the teeth] Leont'ev VK, et al. **Stomatologiia (Mosk)** 1986 Jul-Aug;65(4):20–3 (Eng. Abstr.) (Rus)

[Protein metabolic indices of the bones and teeth of rats kept under the conditions of phosphorus manufacture] Ruzuddinov S, et al. **Stomatologiia (Mosk)** 1985 Jul-Aug; 64(4):14–7 (Eng. Abstr.) (Rus)

MICROBIOLOGY

Quantitative comparisons of potentially cariogenic microorganisms cultured from noncarious and carious root and coronal tooth surfaces. Brown LR, et al. **Infect Immun** 1986 Mar;51(3):765–70

The condition of the soft tissues at tooth and fixture abutments supporting fixed bridges. A microbiological and histological study. Lekholm U, et al. **J Clin Periodontol** 1986 Jul;13(6):558–62

Actinomyces viscosus colonization of mouse teeth. Crawford PC, et al. **J Dent Res** 1986 Feb;65(2):105–8

PATHOLOGY

Variations in skeletal and dental patterns in patients with structural and functional alterations of the temporomandibular joint: a preliminary report. Stringert HG, et al. **Am J Orthod** 1986 Apr;89(4):285–97

Dental pathology of prehistoric residents of Oregon. Hall RL, et al. **Am J Phys Anthropol** 1986 Mar;69(3):325–34

Tooth and surface patterns of dental caries in 12-year-old urban children in East Africa. Manji F, et al. **Community Dent Oral Epidemiol** 1986 Apr;14(2):99–103

[Contribution to identification of cadaver/skeletal parts with reference to burn cadavers. I: Conclusive position on the density of teeth as a possibility for age determination. II: Identification by bone structures—comparison using roentgen images] Dufková J. **Beitr Gerichtl Med** 1985; 43:233–48 (Eng. Abstr.) (Ger)

[Morphological characteristics of the maxillodental system of children 4 to 6 years old with open bite] Aleni DO, et al. **Stomatologiia (Mosk)** 1985 May-Jun;64(3):77–8 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Effects of diazepam on orthodontic tooth movement and alveolar bone cAMP levels in cats. Burrow SJ, et al. **Am J Orthod Dentofacial Orthop** 1986 Aug;90(2):102–5

Analysis of moment/force ratios in the mechanics of tooth movement. Kusy RP, et al. **Am J Orthod Dentofacial Orthop** 1986 Aug;90(2):127–31

Age-dependent changes in thermoperception in human anterior teeth. Kollmann W, et al. **Arch Oral Biol** 1985; 30(10):711–5

Chewing efficiency in relation to occlusal and other variations in the natural human dentition. Luke DA, et

al. **Br Dent J** 1985 Dec 21;159(12):401–3

Oral functional needs and its consequences for dentulous older people. Kayser AF, et al.
Community Dent Health 1985 Dec;2(4):285–91

Comparison of short-latency trigeminal evoked potentials elicited by painful dental and gingival stimulation. Chapman CR, et al.
Electroencephalogr Clin Neurophysiol 1986 Jan;65(1):20–6

A finite element stress analysis of an endodontically restored tooth. Williams KR, et al. **Eng Med** 1984 Oct;13(4):167–73

Decalcified tooth matrix powder induces new bone formation and hematopoietic microenvironment in the mouse. Knospe WH, et al. **Int J Cell Cloning** 1985 Sep;3(5):320–9

Isometric endurance of the human masseter muscle during consecutive bouts of tooth clenching. Christensen LV, et al. **J Oral Rehabil** 1985 Nov;12(6):509–14

A technique for evaluation of centric relation tooth contacts. Part II: Following use of an occlusal splint for treatment of temporomandibular joint dysfunction. Capp NJ, et al.
J Prosthet Dent 1985 Nov;54(5):697–705

In vitro study of the wear characteristics of natural and artificial teeth. Coffey JP, et al. **J Prosthet Dent** 1985 Aug; 54(2):273–80

The effect of dentures on the indices describing the function of the masticatory system among 58 year old men. Yli-Urpo A, et al. **Proc Finn Dent Soc** 1986;82(1):15–9

[Reactions of the teeth to aggressive iatrogenic actions of a mechanical nature] Claisse JM, et al.
Bull Group Int Rech Sci Stomatol Odontol 1985 Apr; 28(1):5–7 (Eng. Abstr.) (Fre)

[Biomechanics of hard substances—bones and teeth] Martinko V. **Anat Anz** 1985;160(2):93–9 (Eng. Abstr.) (Ger)

[Determination of the residual force of the periodontium in relation to the angle of tooth inclination] Velichko LS, et al. **Stomatologiia (Mosk)** 1985 Jul–Aug;64(4):20–! (Eng. Abstr.) (Rus)

RADIATION EFFECTS

[Experimental research on the preparation of dentin–pulp tissue of teeth exposed to CO2 laser beams in dogs and macaques (Macaca mulatta and Macaca fascicularis)] Melcer J, et al. **C R Soc Biol (Paris)** 1985;179(5):577–85 (Eng. Abstr.) (Fre)

RADIOGRAPHY

Radiation dosimetry in tomography of the teeth and jaws using a multi-film cassette. Borglin K, et al.
Acta Radiol [Diagn] (Stockh) 1985 Nov–Dec;26(6):739–43

A radiographic study of dental development in the hypopituitary dwarf mouse. Tracey C, et al.
Arch Oral Biol 1985;30(11–12):805–11

[Estimation of age from teeth with their soft X-ray findings] Ikeda N, et al. **Nippon Hoigaku Zasshi** 1985 Jun; 39(3):244–50 (Eng. Abstr.) (Jpn)

SURGERY

Prescribing analgesics. Seymour RA. **Br Dent J** 1985 Sep 21;159(6):177–81

Midazolam and diazepam for minor oral surgery. Wood N, et al. **Br Dent J** 1986 Jan 11;160(1):9–12

Hemisection and root amputation. Green EN.
J Am Dent Assoc 1986 Apr;112(4):511–8 (51 ref.)

TRANSPLANTATION

Autotransplantation of cryopreserved tooth in connection with orthodontic treatment. Schwartz O, et al.
Am J Orthod Dentofacial Orthop 1986 Jul;90(1):67–72

Autotransplantation of teeth. Sagne S. **Int Dent J** 1985 Dec; 35(4):280–3

Cryopreservation as long-term storage of teeth for transplantation or replantation. Schwartz O.
Int J Oral Maxillofac Surg 1986 Feb;15(1):30–2

ULTRASTRUCTURE

Scanning microscopy of platypus teeth. Lester KS, et al.
Anat Embryol (Berl) 1986;174(1):15–26

High-resolution transmission electron microscopy of adult human peritubular dentine. Schroeder L, et al.
Cell Tissue Res 1985;242(2):449–51

Postmortem examination of incinerated teeth with the scanning electron microscope. Carr RF, et al.
J Forensic Sci 1986 Jan;31(1):307–11

[Approach to age determination based on dental morphological criteria obtained in microradiography, stereomicroscopy and scanning electron microscopy] Chomette G, et al. **Rev Stomatol Chir Maxillofac** 1986; 87(1):30–3 (Eng. Abstr.) (Fre)

[Effects on the hard tissue of teeth in PCB poisoned rats] Hashiguchi I, et al. **Fukuoka Igaku Zasshi** 1985 May; 76(5):221–8 (Eng. Abstr.) (Jpn)

TOOTH ABNORMALITIES

Oro-maxillofacial development in patients with Turner's syndrome. Ogiuchi H, et al. **Endocrinol Jpn** 1985 Dec; 32(6):881–90

LADD syndrome: report of new cases and review of the clinical spectrum. Wiedemann HR, et al. **Eur J Pediatr** 1986 Apr;144(6):579–82

COMPLICATIONS

[Tooth and face abnormalities associated with pituitary growth hormone insufficiency] Liapi C, et al.
Arch Fr Pediatr 1985 Dec;42(10):829–33 (Eng. Abstr.) (Fre)

DIAGNOSIS

The short tooth syndrome [letter] Gengos G.
Aust Dent J 1985 Jun;30(3):230

[Position and volume of the tongue in eugnathia and true progenia] Bredy E, et al. **Zahn Mund Kieferheilkd** 1986; 74(1):13–20 (Eng. Abstr.) (Ger)

EMBRYOLOGY

Hearing deficits correlated with the timing of systemic disturbance as indicated by primary incisor defects. Murray GS, et al. **Ear Hear** 1985 Sep–Oct;6(5):255–9

ETIOLOGY

Oral complications of premature birth. Seow WK.
Aust Dent J 1986 Feb;31(1):23–9

A general review of maxillofacial cleft deformities with emphasis on dental anomalies. McIntee RA, et al.
Ear Nose Throat J 1986 Jul;65(7):286–90

Complications following radiation therapy to the head. Helpin ML, et al. **Oral Surg Oral Med Oral Pathol** 1986 Mar;61(3):209–12

[The importance of studying the pathogenesis of maxillodental anomalies in the practical teaching of orthodontics to dental students] Elovikova AN.
Stomatologiia (Mosk) 1985 Jul–Aug;64(4):73–4 (Rus)

[Pacifiers as a risk factor in the development of maxillodental deformities in young children] Simanovskaia ElIu, et al.
Stomatologiia (Mosk) 1986 May–Jun;65(3):72–3 (Eng. Abstr.) (Rus)

FAMILIAL & GENETIC

Twin studies in craniofacial genetics: a review. Nakata M.
Acta Genet Med Gemellol (Roma) 1985;34(1–2):1–14 (117 ref.)

Persistent hyperplastic primary vitreous and recessive oculo-dento-osseous dysplasia. Traboulsi EI, et al.
Am J Med Genet 1986 May;24(1):95–100

A previously undescribed ectodermal dysplasia of the tricho-odonto-onychial subgroup in a family. Tsakalakos N, et al. **Arch Dermatol** 1986 Sep;122(9):1047–53

The Carabelli trait in the mixed deciduous and permanent dentitions of five South African populations. Thomas CJ, et al. **Arch Oral Biol** 1986;31(3):145–7

Fused primary teeth: a documented familial report of case. Hagman FT. **ASDC J Dent Child** 1985 Nov–Dec; 52(6):459–60

Mental retardation associated with congenital heart disease, blepharophimosis, blepharoptosis, and hypoplastic teeth. Ohdo S, et al. **J Med Genet** 1986 Jun;23(3):242–4

OCCURRENCE

[Survey and analysis of fused teeth in deciduous teeth] Shi SJ. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Sep; 20(5):307–9 (Chi)

[Dental anomalies in the cases of a district dentist. 3. Three forms of tooth gemination] Sárhegyi J. **Fogorv Sz** 1985 Sep; 78(9):281–5 (Eng. Abstr.) (Hun)

[Dental anomalies in the cases of a district dentist. Molars with pyramidal roots] Sárhegyi J. **Fogorv Sz** 1985 Oct; 78(10):315–7 (Hun)

[Incidence of maxillodental anomalies in children on artificial feeding] Akhmedov AA, et al. **Stomatologiia (Mosk)** 1986 Jan–Feb;65(1):79–81 (Eng. Abstr.) (Rus)

PATHOLOGY

Hallermann–Streiff syndrome and its oral implications. Ohishi M, et al. **ASDC J Dent Child** 1986 Jan–Feb;53(1):32–7

Eruption of tooth-like structure following the exfoliation of natal tooth: report of case. Ooshima T, et al.
ASDC J Dent Child 1986 Jul–Aug;53(4):275–8

An interesting presentation of a complex-compound odontome. Smith GC. **Aust Dent J** 1985 Aug;30(4):265–7

Fusion of a maxillary central incisor with a supernumerary tooth. Yuzawa M, et al. **J Nihon Univ Sch Dent** 1985 Dec; 27(4):252–4

RADIOGRAPHY

[Use of stereoteleroentgenography for the diagnosis of maxillodental anomalies and deformities] Zhulev EN, et al. **Stomatologiia (Mosk)** 1985 Jul–Aug;64(4):49–51 (Eng. Abstr.) (Rus)

SURGERY

Surgical division and pulpotomy of a double incisor tooth. Gregg TA. **Br Dent J** 1985 Oct 19;159(8):254–5

Management of a supernumerary tooth fused to a permanent maxillary central incisor. Atkins CO Jr, et al.
Oral Surg Oral Med Oral Pathol 1986 Feb;61(2):146–8

[Orthodontics before and after surgical orthodontics] Tao CM. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Sep; 20(5):279–81, 319 (Eng. Abstr.) (Chi)

THERAPY

Treatment of an unusual case of fusion. Hasiakos PS, et al.
ASDC J Dent Child 1986 May–Jun;53(3):205–8

Bilateral fusion of the maxillary central incisors to supernumerary teeth: report of case. Stillwell KD, et al.
J Am Dent Assoc 1986 Jan;112(1):62–4

[Combined treatment of maxillodental anomalies combined with retained teeth in children] Shul'kina NM, et al.
Stomatologiia (Mosk) 1985 Nov–Dec;64(6):33–4 (Eng. Abstr.) (Rus)

VETERINARY

Dental dysplasia and epitheliogenesis imperfecta in a foal. Dubielzig RR, et al. **Vet Pathol** 1986 May;23(3):325–7

Dental dysplasia in two young uremic dogs. Dubielzig RR, et al. **Vet Pathol** 1986 May;23(3):333–5

Trimming sheep teeth [letter] **Vet Rec** 1986 Jun 21; 118(25):706

Trimming sheep teeth [letter] Boundy T. **Vet Rec** 1986 Jun 14;118(24):674

TOOTH ABRASION

Development and evolution of the helicoidal plane of dental occlusion. Smith BH. **Am J Phys Anthropol** 1986 Jan; 69(1):21–35

CHEMICALLY INDUCED

[The abrasiveness of toothpastes] Hotz P.
Schweiz Monatsschr Zahnmed 1985 Nov;95(11):1066–7 (Ger)

COMPLICATIONS

Dental occlusal wear and degenerative disease of the temporomandibular joint: a correlational study utilizing skeletal material from a contemporary population. Eversole LR, et al. **J Oral Rehabil** 1985 Sep;12(5):401–6

DIAGNOSIS

Clinical assessment of cases of tooth surface loss. Watson IB, et al. **Br Dent J** 1985 Sep 7;159(5):144–8

ETIOLOGY

The effect of a jet abrasive instrument (Prophy Jet) on root surfaces. Petersson LG, et al. **Swed Dent J** 1985;9(5):193–9

[Dentinal wear of human teeth due to hygienic agents] Remizov SM, et al. **Stomatologiia (Mosk)** 1986 May–Jun; 65(3):12–4 (Eng. Abstr.) (Rus)

HISTORY

Quantitative assessment of tooth wear, alveolar-crest height and continuing eruption in a Romano-British population. Whittaker DK, et al. **Arch Oral Biol** 1985;30(6):493–501

Tooth loss, attrition and temporomandibular joint changes in a Romano-British population. Whittaker DK, et al.
J Oral Rehabil 1985 Sep;12(5):407–19

PATHOLOGY

Occluso-cranial correlates of attrition in a preliterate population. A cross-sectional study. Kieser JA, et al.
Angle Orthod 1985 Oct;55(4):329–35

The nut notch—a diagnostic sign of an oral habit. Ruprecht A, et al. **Ann Dent** 1985 Winter;44(2):32–3

Dental attrition and craniofacial morphology in two Australian aboriginal populations. Richards LC.
J Dent Res 1985 Nov;64(11):1311–5

The prophylactic reduction of cusps—is it desirable? Owen CP. **J Oral Rehabil** 1986 Jan;13(1):39–48

Canine slope and glenoid cavity morphology: relationships with dental wear. Buyle-Bodin Y, et al.
J Prosthet Dent 1986 Sep;56(3):312–7

PHYSIOPATHOLOGY

Occlusal wear. A follow-up study of 18 subjects with extensively worn dentitions. Carlsson GE, et al.
Acta Odontol Scand 1985 May;43(2):83–90

Pathologic attrition and maximal bite force. Dahl BL, et al.
J Oral Rehabil 1985 Jul;12(4):337–42

In vitro study of the wear characteristics of natural and artificial teeth. Coffey JP, et al. **J Prosthet Dent** 1985 Aug; 54(2):273–80

THERAPY

Multiple cast post and cores for severely worn anterior teeth. Aquilino SA, et al. **J Prosthet Dent** 1986 Apr;55(4):430–3

TOOTH APEX see **TOOTH ROOT**

TOOTH, ARTIFICIAL

see related
ACRYLIC RESINS
DENTAL PORCELAIN

Abrasivity of denture cleaning pastes in vitro and in situ. Murray ID, et al. **Br Dent J** 1986 Aug 23;161(4):137–41

Prosthetic tooth composition. Mulcahy DF.
Can Dent Assoc J 1986 Jul;52(7):607–12

The continued in vivo evaluation of the wear of restorative

resins. Mitchem JC, et al. **J Am Dent Assoc** 1985 Dec; 111(6):961–4
Relating denture teeth to the occlusal plane. Adkinson SR. **J Prosthet Dent** 1986 Feb;55(2):274–6
The effect of retention grooves in acrylic resin teeth on tooth denture–base bond. Cardash HS, et al. **J Prosthet Dent** 1986 Apr;55(4):526–8
Comparative study of the bond strengths of three abrasion–resistant plastic denture teeth bonded to a cross–linked and a grafted, cross–linked denture base material. Caswell CW, et al. **J Prosthet Dent** 1986 Jun; 55(6):701–8
In vitro study of the wear characteristics of natural and artificial teeth. Coffey JP, et al. **J Prosthet Dent** 1985 Aug; 54(2):273–80
An improved method to maintain proper tooth relation while processing distal–extension denture bases. Garver DG, et al. **J Prosthet Dent** 1986 Jan;55(1):140–1
Interalar width as a guide in denture tooth selection. Hoffman W Jr, et al. **J Prosthet Dent** 1986 Feb;55(2):219–21
Color comparisons of denture teeth and shade guides. Shotwell JL, et al. **J Prosthet Dent** 1986 Jul;56(1):31–4
Temporary replacement of missing maxillary incisors. Troendle KB, et al. **J Prosthet Dent** 1986 Feb;55(2):277–9
[Replacement of the upper central incisor] Tricot–Blestel MC. **Orthod Fr** 1982;53(2):557–64 (Eng. Abstr.) **(Fre)**

TOOTH AVULSION see **TOOTH LUXATION**

TOOTH BLEACHING

Patient assessment of the value of bleaching tetracycline–stained teeth. Reid JS. **ASDC J Dent Child** 1985 Sep–Oct;52(5):353–5
Structural effects of bleaching on tetracycline–stained vital rat teeth [letter] Arcuri M. **J Prosthet Dent** 1986 May; 55(5):662

METHODS

Troubleshooting for the laminate veneer restoration. Helpin ML. **ASDC J Dent Child** 1985 Nov–Dec;52(6):441–3
'Negotiation of obstructed canals and bleaching of teeth' [letter] Ferguson MM. **Br Dent J** 1985 Aug 24;159(4):102

TOOTH CALCIFICATION

Ca–ATPase and ALPase activities at the initial calcification sites of dentin and enamel in the rat incisor. Takano Y, et al. **Cell Tissue Res** 1986;243(1):91–9
Characteristics of mineralization of rat molar tooth germs in organ culture. Ameloot PC, et al. **J Biol Buccale** 1986 Mar;14(1):25–37
Development of mouse embryonic molars in vitro: an attempt to design defined culture conditions allowing mineralization. Laine M, et al. **J Biol Buccale** 1986 Mar; 14(1):15–23
[The mineralization process of the cementum in human teeth] Delrio AN, et al. **Arch Ital Anat Embriol** 1985 Oct–Dec; 90(4):235–48 (Eng. Abstr.) **(Ita)**
[Changes in and the role of multiple phosphoproteins in the enamel during its maturation and mineralization] Petrovich IuA, et al. **Stomatologiia (Mosk)** 1985 Nov–Dec;64(6):73–8 (53 ref.) **(Rus)**

TOOTH CROWDING see **MALOCCLUSION**

TOOTH, DECIDUOUS

see related
DENTITION

Natal teeth. Leung AK. **Am J Dis Child** 1986 Mar; 140(3):249–51
Stability of dental arch expansion in the deciduous dentition. Lutz HD, et al. **Angle Orthod** 1985 Oct;55(4):299–315
Prophylactic dental treatment for a patient with vitamin D–resistant rickets: report of case. Broen GH. **ASDC J Dent Child** 1986 Jan–Feb;53(1):38–43
Localized juvenile periodontitis of the primary dentition. Mandell RL, et al. **ASDC J Dent Child** 1986 May–Jun; 53(3):193–6
The effects of primary molar ankylosis on root resorption and the development of permanent successors. Nazif MM, et al. **ASDC J Dent Child** 1986 Mar–Apr;53(2):115–8
Atypical root resorption of maxillary primary central incisors due to digital sucking: a report of 82 cases. Rubel I. **ASDC J Dent Child** 1986 May–Jun;53(3):201–4
Unerupted second primary molar positioned inferior to the second premolar: clinical report. Tsukamoto S, et al. **ASDC J Dent Child** 1986 Jan–Feb;53(1):67–9
Correction of unilateral crossbite in the deciduous dentition. Kantomaa T. **Eur J Orthod** 1986 May;8(2):80–3
Experimental gingivitis around deciduous teeth in children with Down's syndrome. Reuland–Bosma W, et al. **J Clin Periodontol** 1986 Apr;13(4):294–300
An histological study of cystic lesions following pulp therapy in deciduous molars. Savage NW, et al. **J Oral Pathol** 1986 Apr;15(4):209–12
[Development of dentition 4 to 6 years of age] Klink–Heckmann U, et al. **Psychiatr Neurol Med Psychol Beih** 1979;25:131–7 (Eng. Abstr.) **(Ger)**
[Epidemiological study of the incidence of caries and malocclusion in the deciduous dentition of the children in USL 16 nursery schools (Genoa–Levante)] Ghezzi F, et al. **Minerva Stomatol** 1986 Mar;35(3):107–12 (21 ref.) (Eng. Abstr.) **(Ita)**
[The infected deciduous tooth and its management] Kato J. **Kokubyo Gakkai Zasshi** 1985 Dec;52(4):693 **(Jpn)**

ABNORMALITIES

An enigmatic hypoplastic defect of the deciduous canine. Skinner MF. **Am J Phys Anthropol** 1986 Jan;69(1):59–69
The single maxillary central primary incisor: report of case. Maréchaux SC. **ASDC J Dent Child** 1986 Mar–Apr; 53(2):124–6
Talon cusp in primary dentition. Chen RJ, et al. **Oral Surg Oral Med Oral Pathol** 1986 Jul;62(1):67–72
[Survey and analysis of fused teeth in deciduous teeth] Shi SJ. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Sep; 20(5):307–9 **(Chi)**

ANALYSIS

Superficial fluoride levels and response to in–vitro caries–like lesion induction of enamel from Bristol (U.K.) and Birmingham (U.K.) human deciduous teeth. Tyler JE, et al. **Arch Oral Biol** 1986;31(4):201–4
Lead in teeth: the influence of the tooth type and the sample within a tooth on lead levels. Purchase NG, et al. **Sci Total Environ** 1986 Jul;52(3):239–50

ANATOMY & HISTOLOGY

Sexual dimorphism in the emergence of deciduous teeth: its relationship with growth components in height. Tanguay R, et al. **Am J Phys Anthropol** 1986 Apr;69(4):511–5
A clinical study of the width of the attached gingiva in the deciduous, transitional and permanent dentitions. Tenenbaum H, et al. **J Clin Periodontol** 1986 Apr; 13(4):270–5

CYTOLOGY

Development of mammalian tooth cultured in vitro and as transplants: a light and scanning electron microscopic study. Majumder AL, et al. **Indian J Exp Biol** 1985 Oct; 23(10):541–8
Basal cell characteristics in human oral epithelium adhered to the tooth in vivo and to an inert substrate in vitro. Salonen J. **J Periodont Res** 1986 Jan;21(1):22–9

EMBRYOLOGY

Responsiveness of dental epithelial and mesenchymal cells to epidermal growth factor. Partanen AM, et al. **Prog Clin Biol Res** 1986;217A:375–9

GROWTH & DEVELOPMENT

Differential rate of dentin formation on human deciduous anterior tooth surfaces deduced from tetracycline labeling. Ogura–Futaki Y, et al. **Acta Anat (Basel)** 1985; 124(3–4):145–8
Postnatal changes in size, morphology and weight of developing postnatal deciduous anterior teeth. Deutsch D, et al. **Growth** 1985 Summer;49(2):207–17

INJURIES

Chin trauma as a cause of primary molar fracture: report of case. Maréchaux SC. **ASDC J Dent Child** 1985 Nov–Dec;52(6):452–4
Dilaceration caused by direct penetrating injury. Lowe PL. **Br Dent J** 1985 Dec 7;159(11):373–4
[Dental injuries in the preschool child and the sequelae for the permanent teeth] Morgantini J, et al. **Schweiz Monatsschr Zahnmed** 1986 Feb;96(2):432–40 (Eng. Abstr.) **(Fre)**

INNERVATION

Representation of upper and lower primary teeth in the trigeminal sensory nuclear complex in the young dog. Ishidori H, et al. **Brain Res** 1986 Apr 2;370(1):153–8

PATHOLOGY

Eruption of tooth–like structure following the exfoliation of natal tooth: report of case. Ooshima T, et al. **ASDC J Dent Child** 1986 Jul–Aug;53(4):275–8
Ectopic developing permanent teeth in a five–year–old: report of case. Tinkler DR, et al. **ASDC J Dent Child** 1986 Jul–Aug;53(4):279–80
A dental caries severity index for primary teeth. Chosack A. **Community Dent Oral Epidemiol** 1986 Apr;14(2):86–9
[Changes in the pulp of primary teeth in penetrating caries] Beetke E, et al. **Zahn Mund Kieferheilkd** 1986;74(4):317–21 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Emergence of deciduous teeth in children with oral clefts. Pöyry M, et al. **Proc Finn Dent Soc** 1985;81(3):171–6

RADIOGRAPHY

Unusual endodontic therapy in deciduous incisors. Brooks JK. **Oral Surg Oral Med Oral Pathol** 1985 Dec;60(6):678

SURGERY

The problems of treatment of early ankylosis: report of case. Maréchaux SC. **ASDC J Dent Child** 1986 Jan–Feb; 53(1):63–6
Orthodontics for the general practitioner [letter] Case RC. **Aust Dent J** 1985 Jun;30(3):233

ULTRASTRUCTURE

A scanning electron microscope study of the effect of etching time and mechanical pre–treatment on the pattern of acid etching on the enamel of primary teeth. Meola MT, et al. **Int Dent J** 1986 Mar;36(1):49–53
An ultrastructural study of tooth resorption in the kitten. Ten Cate AR, et al. **J Dent Res** 1986 Aug;65(8):1087–93

TOOTH DISCOLORATION

CHEMICALLY INDUCED

Extrinsic tooth discoloration by metals and chlorhexidine. I. Surface protein denaturation or dietary precipitation? Addy M, et al. **Br Dent J** 1985 Nov 9;159(9):281–5
Extrinsic tooth discoloration by metals and chlorhexidine. II. Clinical staining produced by chlorhexidine, iron and tea. Addy M, et al. **Br Dent J** 1985 Nov 23;159(10):331–4
Tetracycline and staining of the teeth [letter] Grossman ER. **JAMA** 1986 May 9;255(18):2442–3
Minocycline–associated tooth discoloration in young adults. Poliak SC, et al. **JAMA** 1985 Nov 22–29;254(20):2930–2
Tooth discoloration induced by dental materials. van der Burgt TP, et al. **Oral Surg Oral Med Oral Pathol** 1985 Dec;60(6):666–9
Tooth discoloration induced by endodontic sealers. van der Burgt TP, et al. **Oral Surg Oral Med Oral Pathol** 1986 Jan;61(1):84–9
Tetracycline–induced staining of teeth. Scopp IW, et al. **Postgrad Med** 1986 May 1;79(6):202–3

ETIOLOGY

The etiology and treatment of intrinsic discolorations. Hayes PA, et al. **Can Dent Assoc J** 1986 Mar;52(3):217–20
Dental caries and staining after twenty–eight months of rinsing with stannous fluoride or sodium fluoride. Leverett DH, et al. **J Dent Res** 1986 Mar;65(3):424–7
Management of children with hyperbilirubinemia and green teeth. Rosenthal P, et al. **J Pediatr** 1986 Jan;108(1):103–5

METABOLISM

Characterization of saliva proteins from 'stainers' and 'non–stainers' adsorbed to hydroxyapatite. Eriksen HM, et al. **Acta Odontol Scand** 1985 May;43(2):115–20

PREVENTION & CONTROL

[Substantiation of the use of new agent for preventive mouthwashing by workers in the phosphorus industry] Ruzuddinov S, et al. **Gig Tr Prof Zabol** 1986 May;(5):47–9 **(Rus)**

THERAPY

Troubleshooting for the laminate veneer restoration. Helpin ML. **ASDC J Dent Child** 1985 Nov–Dec;52(6):441–3
Patient assessment of the value of bleaching tetracycline–stained teeth. Reid JS. **ASDC J Dent Child** 1985 Sep–Oct;52(5):353–5
Status report on professional scaling and stain–removal devices. Council on Dental Materials, Instruments, and Equipment. **J Am Dent Assoc** 1985 Nov;111(5):801–2
A clinical comparison of the effect on the gingiva of the Prophy–Jet and the rubber cup and paste techniques. Minhkin DJ, et al. **J Periodontol** 1986 Mar;57(3):151–4
Structural effects of bleaching on tetracycline–stained vital rat teeth [letter] Arcuri M. **J Prosthet Dent** 1986 May; 55(5):662
The effect of a jet abrasive instrument (Prophy Jet) on root surfaces. Petersson LG, et al. **Swed Dent J** 1985;9(5):193–9

TOOTH DISEASES

see related
MOUTH REHABILITATION

Developing socio–dental indicators—the social impact of dental disease. Cushing AM, et al. **Community Dent Health** 1986 Mar;3(1):3–17
Divisional Abstracts, supported by the International College of Dentists. **J Dent Res** 1986 Apr;65(4):462–630
Annual session, American Association for Dental Research. March 12–15, 1986, Washington, DC. Abstracts of papers. **J Dent Res** 1986 Mar;65 Spec No:163–375
Proceedings of a research symposium. New Zealand Dental Research Foundation. Dunedin, 28 May 1986. **NZ Dent J** 1986 Jul;82(369):65–128
Abstracts of papers presented at the 22nd annual congress, Odontologisk Riksstämma, of the Swedish Dental Society. November 13–15, 1985. **Swed Dent J** 1985;9(6):263–80
[Dental medicine and geriatric dentistry] Vallée R, et al. **Can Dent Assoc J** 1986 Jan;52(1):83–5 (Eng. Abstr.) **(Fre)**
[7th Belgian Congress of Dental Medicine. Liege, 27–30 April 1984. Abstracts] **Rev Belge Med Dent** 1984 Apr–May; 39(2):46–72 **(Fre)**

BLOOD

[Dynamics of the blood biochemical indices in patients with odontogenic abscesses and phlegmons] Starodubtsev VS, et al. **Stomatologiia (Mosk)** 1985 May-Jun;64(3):47-50 (Eng. Abstr.) (Rus)

CHEMICALLY INDUCED

Oral complications of cancer chemotherapy—a review of 398 patients. Rosenberg SW. **J Oral Med** 1986 Apr-Jun; 41(2):93-7

COMPLICATIONS

[Pain control in odontostomatology] Portaleone P, et al. **Minerva Stomatol** 1985 Sep-Oct;34(5):759-63 (Eng. Abstr.) (Ita)

[Clinical picture and treatment of odontogenic lesions of the trigeminal nerve system] Puzin MN, et al. **Zh Nevropatol Psikhiatr** 1985;85(8):1171-6 (Eng. Abstr.) (Rus)

DIAGNOSIS

Dental findings in chronic renal failure. Jaffe EC, et al. **Br Dent J** 1986 Jan 11;160(1):18-20

"Routine six-monthly checks for dental disease" [letter] Manson JD. **Br Dent J** 1985 Dec 7;159(11):357

The dentist's role in detecting lesions which mimic common dental conditions. Lovas JG, et al. **Can Dent Assoc J** 1985 Sep;51(9):689-92

Medical problems of wind players: a musician's perspective. Farkas P. **Cleve Clin Q** 1986 Spring;53(1):33-7

Oral assessment of the dentulous elderly patient. Gordon SR, et al. **J Am Geriatr Soc** 1986 Apr;34(4):276-81 (70 ref.)

Development and application of an ultrasonic imaging system for dental diagnosis. Fukukita H, et al. **JCU** 1985 Oct; 13(8):597-600

[Cleidocranial dysplasia. Symptoms in the area of the jaw and their treatment] Behlfelt KM, et al. **Fortschr Kiefer Gesichtschir** 1986;31:175-8 (Ger)

DRUG THERAPY

Treatment of orofacial infections of odontogenic origin. Heimdahl A, et al. **Scand J Infect Dis [Suppl]** 1985;46:101-5

[Clinical experience with miocamycin in bacterial diseases of odontostomatological relevance] de Rysky S, et al. **Minerva Stomatol** 1985 Sep-Oct;34(5):871-80 (Eng. Abstr.) (Ita)

[Use of spiramycin in dentistry] Re G, et al. **Minerva Stomatol** 1986 May;35(5):485-6 (Eng. Abstr.) (Ita)

ETIOLOGY

Re: Ankylosis, root resorption, and loss of attachment [letter] Boyd RL. **Am J Orthod** 1985 Nov;88(5):442-3

Urgent treatment in operative dentistry. Blank LW, et al. **Dent Clin North Am** 1986 Jul;30(3):489-501

Dental management of chronic haemodialysis patients. Lőcsey L, et al. **Int Urol Nephrol** 1986;18(2):211-3

Fetal alcohol syndrome: review of literature and report of cases. Barnett R, et al. **J Am Dent Assoc** 1985 Oct; 111(4):591-3

Mineral solids associated with micro-organisms. Formation and consequences for human oral health. Pearce EI. **NZ Dent J** 1986 Jul;82(369):89-92

Clinical registration of charge transfer between dental metallic materials in patients with disorders and/or discomfort allegedly caused by corrosion. Johansson BI, et al. **Scand J Dent Res** 1986 Aug;94(4):357-63

[Dental and oral symptoms of diabetes mellitus] Albrecht M, et al. **Fogorv Sz** 1986 May;79(5):139-44 (Eng. Abstr.) (Hun)

[Clinical case study of the dental and periodontal lesions in heroin addicts] Musola L, et al. **Minerva Stomatol** 1986 Mar;35(3):131-5 (Eng. Abstr.) (Ita)

[Role of function in the pathogenesis of dentition deformities] Sukharev GT. **Stomatologiia (Mosk)** 1985 Jul-Aug; 64(4):81-4 (40 ref.) (Rus)

FAMILIAL & GENETIC

Ankylosis in monozygotic twins. Helpin ML, et al. **ASDC J Dent Child** 1986 Mar-Apr;53(2):135-9

HISTORY

Observations of dental diseases among prehistoric populations of Hungary. Molnar S, et al. **Am J Phys Anthropol** 1985 May;67(1):51-63

The dentition of Lindow man. Connolly RC, et al. **Br Dent J** 1986 Jul 5;161(1):40

Dentistry aids anthropology. Taylor RM. **NZ Dent J** 1986 Jul;82(369):109-12

[The textbook "Diagnostics" by Arkövy was published 100 years ago] Huszár G. **Orv Hetil** 1986 Apr 20;127(16):959-61 (Hun)

METABOLISM

Fluorine concentration changes in human periodontally diseased tooth roots following several treatment times with citric acid. Sampson WJ, et al. **Calcif Tissue Int** 1985 Jul; 37(4):381-5

NURSING

[Systematic nursing of pre-school children in the treatment of dental diseases] Cao J. **Chung Hua Hu Li Tsa Chih** 1986 Feb;21(1):13-5 (Chi)

OCCURRENCE

Dental manpower supply and demand projections and changing demography and dental disease. Lewis DW. **Can Dent Assoc J** 1986 Jan;52(1):33-40

Oral health in a group of pre-school children attending dental nurse clinics in the Kandy area, Sri Lanka. Amaratunge A, et al. **Community Dent Health** 1986 Jun;3(2):169-74

Oral status in two groups of male manual workers from Korea and Hong Kong. Dimmer A. **Community Dent Health** 1986 Jun;3(2):163-8

Dental attendance and dental status. Sheiham A, et al. **Community Dent Oral Epidemiol** 1985 Dec;13(6):304-9

Dental research in a health and development study. Brown RH. **NZ Dent J** 1986 Jul;82(369):102-5

Oral epidemiology in New Zealand. Cutress TW. **NZ Dent J** 1986 Jul;82(369):105-9

A longitudinal study of work loss related to dental diseases. Reisine S, et al. **Soc Sci Med** 1985;21(12):1309-14

[Disorders in the structure of dental tissues in children in Prague] Rozkovcová E, et al. **Sb Lek** 1985 Sep; 87(8-9):263-70 (Eng. Abstr.) (Cze)

PREVENTION & CONTROL

Prophylactic dental treatment for a patient with vitamin D-resistant rickets: report of case. Breen GH. **ASDC J Dent Child** 1986 Jan-Feb;53(1):38-43

Infant oral health: a rationale. Goepferd SJ. **ASDC J Dent Child** 1986 Jul-Aug;53(4):257-60

Infant oral health: a protocol. Goepferd SJ. **ASDC J Dent Child** 1986 Jul-Aug;53(4):261-6

Dental problems in the wind instrumentalist. Fine L. **Cleve Clin Q** 1986 Spring;53(1):3-9

Needs and implementation of preventive dentistry in China. Wei SH, et al. **Community Dent Oral Epidemiol** 1986 Feb; 14(1):19-23

A dental health perspective: the consequences of an aging population. Tillman RS. **NY State Dent J** 1985 Aug-Sep; 51(7):413-6

Promotion of oral health and prevention of common pediatric dental problems. Crall JJ. **Pediatr Clin North Am** 1986 Aug; 33(4):887-98

PSYCHOLOGY

Judging severity of dental problems in relation to other individual problems. Hoogstraten J, et al. **Community Dent Oral Epidemiol** 1986 Apr;14(2):65-8

RADIOGRAPHY

Radiographic and clinical laboratory procedures. Terezhalmy GT, et al. **Dent Clin North Am** 1986 Jul;30(3):381-90

Theory of pantomographic imaging, normal radiographic anatomy, and developmental abnormality interpretation. Matteson SR. **Dent Radiogr Photogr** 1985;57(1-4):3-16, 53-9

A study of selection criteria for intraoral dental radiography. Brooks SL. **Oral Surg Oral Med Oral Pathol** 1986 Aug; 62(2):234-9

A comparison of combinations of clinical and radiographic examinations in evaluation of a dental clinic population. Galal A, et al. **Oral Surg Oral Med Oral Pathol** 1985 Nov; 60(5):553-61

Rotational panoramic radiography in epidemiological studies of dental health. Comparison between panoramic radiographs and intraoral full mouth surveys. Ahlqwist M, et al. **Swed Dent J** 1986;10(1-2):73-84

REHABILITATION

[Dependence of the time periods of adaptation to different orthodontic apparatus and prostheses on the type of pathology of the maxillodental system] Sinitsyn VD, et al. **Stomatologiia (Mosk)** 1986 Jul-Aug;65(4):63-4 (Eng. Abstr.) (Rus)

SURGERY

Oral surgery. Diagnostic, prognostic, and treatment planning considerations. Cioffi GA, et al. **Dent Clin North Am** 1986 Jul;30(3):573-81

Oral surgery. Oatis GW Jr, et al. **Dent Clin North Am** 1986 Jul;30(3):583-601 (34 ref.)

[Biomedical engineering for the conservation of teeth—application of the Nd-YAG laser for treatment of a root cyst] Sumitomo M, et al. **Iyodenshi To Seitai Kogaku** 1985 Sep;23(5):285-91 (20 ref.) (Jpn)

THERAPY

Management of oral problems in the elderly. Kiyak HA. **Ann Rev Gerontol Geriatr** 1984;4:106-36 (75 ref.)

Urgent care. **Dent Clin North Am** 1986 Jul;30(3):357-615

Treatment of common orofacial conditions. Glass BJ, et al. **Dent Clin North Am** 1986 Jul;30(3):421-46 (35 ref.)

Treating dental problems. **J Am Dent Assoc** 1986;Spec No:33-41

An analysis of dental emergencies during combat and peacetime exercises. Wynkoop JR 2d, et al. **Milit Med** 1986 Jul;151(7):364-7

Biodontics in diagnosis and treatment planning. Raucher F. **NY J Dent** 1986 Mar;56(2):54-5

[Experience with using a multidimensional information system to study the late results of treating caries and noncarious lesions of the hard dental tissues] Alekseeva LS. **Stomatologiia (Mosk)** 1985 Sep-Oct;64(5):31-2 (Eng. Abstr.) (Rus)

TOOTH EROSION

CHEMICALLY INDUCED

Erosion of dental enamel among competitive swimmers at a gas-chlorinated swimming pool. Centerwall BS, et al. **Am J Epidemiol** 1986 Apr;123(4):641-7

DIAGNOSIS

Clinical assessment of cases of tooth surface loss. Watson IB, et al. **Br Dent J** 1985 Sep 7;159(5):144-8

ETIOLOGY

The need for psychiatric-dental liaison in the treatment of bulimia. Simmons MS, et al. **Am J Psychiatry** 1986 Jun; 143(6):783-4

Bulimia nervosa in a male. Negus TW, et al. **Br Dent J** 1986 Apr 19;160(8):290-1

Bulimic erosion. Dental management and report of cases. Miles DA, et al. **Can Dent Assoc J** 1985 Oct;51(10):757-60

Anorexia and bulimia: eating functions gone awry. Levinson NA. **NY J Dent** 1986 Apr-May;56(3):90-4

Dental erosions in relation to lactovegetarian diet. Linkosalo E, et al. **Scand J Dent Res** 1985 Oct;93(5):436-41

OCCURRENCE

Factor analysis of dental erosion occurrence. Xhonga-Oja FA, et al. **J Oral Rehabil** 1986 May;13(3):247-56

THERAPY

Evaluation of materials and techniques for restoration of erosion areas. Monteiro S Jr, et al. **J Prosthet Dent** 1986 Apr;55(4):434-42

TOOTH ERUPTION

The eruption pattern of the permanent incisors and first permanent molars in Australopithecus (Paranthropus) robustus. Dean MC. **Am J Phys Anthropol** 1985 Jul; 67(3):251-7

The third permanent molar eruption in Kenyan Africans and Asians. Hassanali J. **Ann Hum Biol** 1985 Nov-Dec; 12(6):517-23

Age and wisdom teeth in Nigeria. Ajmani ML, et al. **Anthropol Anz** 1986 Jun;44(2):143-8

Techniques for choosing reference points from which to measure eruption rates of rat incisors. Aladdin QI, et al. **Arch Oral Biol** 1985;30(7):531-7

The effect of procedures intended to alter the interstitial fluid pressure in the sockets of resected rat incisors on their eruption rate. Aladdin QI, et al. **Arch Oral Biol** 1985; 30(7):525-30

Lathyrogens and the role of collagen in the eruption of rat incisors. Taverne AA, et al. **Arch Oral Biol** 1986; 31(2):127-31

Quantitative assessment of tooth wear, alveolar-crest height and continuing eruption in a Romano-British population. Whittaker DK, et al. **Arch Oral Biol** 1985;30(6):493-501

Eruption of tooth-like structure following the exfoliation of natal tooth: report of case. Ooshima T, et al. **ASDC J Dent Child** 1986 Jul-Aug;53(4):275-8

IgE in postsecretory ameloblasts suggesting a hypersensitivity reaction at tooth eruption. Pierce AM, et al. **ASDC J Dent Child** 1986 Jan-Feb;53(1):23-6

Teething troubles [letter] Miller J. **Br Dent J** 1985 Oct 5; 159(7):205

Submerged permanent molars: four case reports. Oliver RG, et al. **Br Dent J** 1986 Feb 22;160(4):128-30

Teething troubles [letter] Simmons G. **Br Dent J** 1985 Jul 20;159(2):38

Posteruptive maturation of tooth enamel studied with the electron microprobe. Driessens FC, et al. **Caries Res** 1985; 19(5):390-5

Longitudinal study and analysis of clinical supervision of maxillary canine eruption. Ericson S, et al. **Community Dent Oral Epidemiol** 1986 Jun;14(3):172-6

Estimation of median age of eruption of permanent teeth in Kenyan African children. Manji F, et al. **East Afr Med J** 1985 Apr;62(4):252-9

The relationship between masticatory function and craniofacial morphology. III. The eruption pattern of the incisors in the growing rat fed a soft diet. Kiliaridis S. **Eur J Orthod** 1986 May;8(2):71-9

Status of the third molars in the 20- to 21-year-old Finnish university population. Murtomaa H, et al. **J Am Coll Health** 1985 Dec;34(3):127-9

The effect of intermittent forces on eruption of the rabbit incisor. Proffit WR, et al. **J Dent Res** 1986 Feb;65(2):118-22

The response of the fibroblast population in the periodontal ligament of rat incisors to altered eruption rates. Michaeli Y, et al. **J Periodont Res** 1986 Jan;21(1):86-94

Drifting, tipping, supraeruption, and segmental alveolar bone growth. Kaplan P. **J Prosthet Dent** 1985 Aug;54(2):280–3
The blood–vessel thrust theory of tooth eruption and migration. Sutton PR, et al. **Med Hypotheses** 1985 Nov; 18(3):289–95
Tooth eruption and migration theories [letter] Harris R, et al. **Oral Surg Oral Med Oral Pathol** 1985 Dec;60(6):604
The teething virus. Bennett HJ, et al. **Pediatr Infect Dis** 1986 Jul–Aug;5(4):399–401
Dental enamel defects and dental maturity in children and adolescents with coeliac disease. Aine L.
Proc Finn Dent Soc 1986;82 Suppl 3:1–71
Emergence of deciduous teeth in children with oral clefts. Pöyry M, et al. **Proc Finn Dent Soc** 1985;81(3):171–6
The effect of continuing eruption on bone growth at the alveolar margin. Whittaker DK. **Prog Clin Biol Res** 1985; 187:259–67
Development, growth and eruption of permanent incisor teeth in Romney sheep. Thurley DC. **Res Vet Sci** 1985 Sep;39(2):127–38
[Eruption of the upper 2d molar following distalization of the 1st molar] Holtgrave EA. **Fortschr Kieferorthop** 1986 Jan;47(1):23–7 (Eng. Abstr.) **(Ger)**
[Variation in the sequence of the secondary dentition of the lateral teeth] Löhr E, et al. **Zahn Mund Kieferheilkd** 1985; 73(5):442–7 (Eng. Abstr.) **(Ger)**
[Serum levels of calcium, phosphorus and 25–hydroxyvitamin D3 in children with delayed tooth eruption] Szpringer–Nodzak M, et al. **Pediatr Pol** 1985 Apr; 60(4):295–9 (Eng. Abstr.) **(Pol)**
[Calcium and phosphorus content in the enamel at different periods after tooth eruption] Borovskii EV, et al.
Stomatologiia (Mosk) 1985 Sep–Oct;64(5):29–31 (Eng. Abstr.) **(Rus)**
[Effect of a direct electric current on the rate of tooth eruption in rats] Galenko VV, et al.
Stomatologiia (Mosk) 1986 Jan–Feb;65(1):12–3 (Eng. Abstr.) **(Rus)**
[Characteristics of the time periods of the eruption of the permanent teeth in children in the Moldavian SSR] Spatar' GK, et al. **Stomatologiia (Mosk)** 1985 Nov–Dec;64(6):14–5 (Eng. Abstr.) **(Rus)**

TOOTH ERUPTION, ECTOPIC

COMPLICATIONS

Recurrent swelling of the upper lip. A case report. Howat AP, et al. **Br J Orthod** 1986 Jan;13(1):49–52

PATHOLOGY

Ectopic developing permanent teeth in a five–year–old: report of case. Tinkler DR, et al. **ASDC J Dent Child** 1986 Jul–Aug;53(4):279–80
Ectopic eruption of the maxillary permanent first molar: the effect of increased mesial angulation on arch length. Yuen S, et al. **J Am Dent Assoc** 1985 Sep;111(3):447–51
A case of an ectopic tooth in the maxillary sinus. Kawana T, et al. **J Nihon Univ Sch Dent** 1985 Jun;27(2):114–8

RADIOGRAPHY

Unerupted and ectopic mandibular premolars. Loh HS, et al. **Oral Surg Oral Med Oral Pathol** 1986 Sep;62(3):358

THERAPY

A simplified treatment for correcting an ectopically erupting maxillary first permanent molar. Groper JN.
ASDC J Dent Child 1985 Sep–Oct;52(5):374–6
Ectopic eruption of maxillary first permanent molars: a review. Kurol J, et al. **ASDC J Dent Child** 1986 May–Jun; 53(3):209–14 (37 ref.)
[Use of incompletely erupted and malpositioned wisdom teeth in prosthetics] Kozhokaru MP, et al.
Stomatologiia (Mosk) 1985 Jul–Aug;64(4):53–4 (Eng. Abstr.) **(Rus)**

TOOTH EXFOLIATION

ETIOLOGY

Trigeminal herpes zoster causing mandibular osteonecrosis and spontaneous tooth exfoliation. Manz HJ, et al.
South Med J 1986 Aug;79(8):1026–8

PATHOLOGY

Eruption of tooth–like structure following the exfoliation of natal tooth: report of case. Ooshima T, et al.
ASDC J Dent Child 1986 Jul–Aug;53(4):275–8
An ultrastructural study of tooth resorption in the kitten. Ten Cate AR, et al. **J Dent Res** 1986 Aug;65(8):1087–93

PHYSIOPATHOLOGY

Papillon–Lefevre syndrome: report of case. Joshi HN, et al. **ASDC J Dent Child** 1985 Nov–Dec;52(6):461–3

THERAPY

[Restoration of tooth loss in the aged using a removable partial denture with an occlusion pad: analysis of 50 cases] Yao SY. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 May; 20(3):175–6 **(Chi)**

TOOTH EXTRACTION

Alveolar arch dimensions, orthodontic treatment and absence of permanent teeth among Finnish students. An epidemiologic study. Laine T, et al. **Angle Orthod** 1985 Jul;55(3):225–33, 249–50
Space anomalies, missing permanent teeth and orthodontic treatment. Laine T, et al. **Angle Orthod** 1985 Jul; 55(3):242–50
Pulse oximetry during general anaesthesia for dental extractions. Beeby C, et al. **Br Dent J** 1986 Feb 22; 160(4):123–5
The reasons underlying the extraction of teeth in Scotland. Kay EJ, et al. **Br Dent J** 1986 Apr 19;160(8):287–90
A controlled clinical trial of prophylactic tinidazole for chemoprophylaxis in third molar surgery. Mitchell DA. **Br Dent J** 1986 Apr 19;160(8):284–6
An investigation into post–operative pain after third molar surgery under local analgesia. Seymour RA, et al.
Br J Oral Maxillofac Surg 1985 Dec;23(6):410–8
Method of administration determines the effect of naloxone on pain. Levine JD, et al. **Brain Res** 1986 Feb 19; 365(2):377–8
Effect of surgical trauma and polylactate cubes and granules on the incidence of alveolar osteitis in mandibular third molar extraction wounds. Brekke JH, et al.
Can Dent Assoc J 1986 Apr;52(4):315–9
Polylactic acid surgical dressing material. Postoperative therapy for dental extraction wounds. Brekke JH, et al. **Can Dent Assoc J** 1986 Jul;52(7):599–602
The role of extraction in periodontal therapy. Ibbott CG. **Can Dent Assoc J** 1986 Feb;52(2):144–5
The influence of orthodontic extractions on the caries indices in schoolchildren in the United Kingdom. Bradbury AJ. **Community Dent Health** 1985 Jun;2(2):75–82
Differences in total tooth extraction between an urban and a rural area in the Netherlands. Bouma J, et al.
Community Dent Oral Epidemiol 1986 Jun;14(3):181–3
Periodontal status and total tooth extraction in a medium–sized city in the Netherlands. Bouma J, et al.
Community Dent Oral Epidemiol 1985 Dec;13(6):323–7
Postextraction pain relief in children: a clinical trial of liquid analgesics. Moore PA, et al.
Int J Clin Pharmacol Ther Toxicol 1985 Nov;23(11):573–7
Treatment of fibrinolytic alveolitis by a collagen paste (Formula K). A preliminary report. Mitchell R.
Int J Oral Maxillofac Surg 1986 Apr;15(2):127–33
Changes of sympathetic activity during tooth extraction. Papadimitriou P, et al. **Int J Oral Maxillofac Surg** 1986 Apr;15(2):148–51
Effects of time after extraction and depth of dentin on resin dentin adhesives. Mitchem JC, et al. **J Am Dent Assoc** 1986 Aug;113(2):285–7
Effect of phenoxymethylpenicillin and erythromycin prophylaxis on anaerobic bacteraemia after oral surgery. Josefsson K, et al. **J Antimicrob Chemother** 1985 Aug; 16(2):243–51
Teicoplanin as a prophylactic antibiotic for dental bacteraemia. Maskell JP, et al. **J Antimicrob Chemother** 1986 May;17(5):651–9
Effect of local antifibrinolytic treatment with tranexamic acid in hemophiliacs undergoing oral surgery. Sindet–Pedersen S, et al. **J Oral Maxillofac Surg** 1986 Sep;44(9):703–7
The effect of methylprednisolone on pain, trismus, and swelling after removal of third molars. Beirne OR, et al. **Oral Surg Oral Med Oral Pathol** 1986 Feb;61(2):134–8
Histologic evaluation of purified bovine tendon collagen sponge in tooth extraction sites in dogs. Mannai C, et al. **Oral Surg Oral Med Oral Pathol** 1986 Apr;61(4):315–23
Alveolar bone repair following extraction of impacted mandibular third molars. Marmary Y, et al.
Oral Surg Oral Med Oral Pathol 1986 Apr;61(4):324–6
Evaluation of the need for third molar removals among 20 to 21 year old Finnish university students. Ylipaavalniemi P, et al. **Proc Finn Dent Soc** 1985;81(4):222–5
Self–mutilation by tooth extraction. Walter–Ryan WG, et al. **South Med J** 1985 Dec;78(12):1519–20
[ECG monitoring of patients with heart diseases during tooth extraction] Liu QJ. **Chung Hua Hu Li Tsa Chih** 1985 Dec; 20(6):341–3 **(Chi)**
[Ibuprofen pre– and postoperatively in oral surgery] Turcotte JY. **Can Dent Assoc J** 1986 Apr;52(4):325–8 **(Fre)**
[The dilemma of extractions in cases of Class II, division 1 without maxillodental disharmony in the adult dentition] Bassigny F, et al. **Orthod Fr** 1982;53(2):501–11 (Eng. Abstr.) **(Fre)**
[Clinical aspects of extraction treatment of the lower incisors] Mossaz C. **Schweiz Monatsschr Zahnmed** 1985 Nov; 95(11):1094–107 (Eng. Abstr.) **(Fre)**
[Animal experiment studies on the effect of unilateral tooth extraction on the growth of the skull and masticatory muscles. III. The masticatory muscles] Fanghänel J, et al. **Anat Anz** 1985;160(5):305–13 (Eng. Abstr.) **(Ger)**
[Late results following extraction of the 1st upper premolars of the closed bite] Weller H. **Fortschr Kieferorthop** 1985 Dec;46(6):485–97 (Eng. Abstr.) **(Ger)**
[Effect of female sex hormones on the incidence of disordered wound healing following tooth extraction] Gänsicke A, et al. **Zahn Mund Kieferheilkd** 1986;74(2):131–7 (Eng. Abstr.) **(Ger)**
[Effects of wound care on healing disorders after tooth extraction] Klammt J, et al. **Zahn Mund Kieferheilkd** 1986; 74(1):30–6 (Eng. Abstr.) **(Ger)**
[Divascan and Pamba in the prevention of alveolitis following tooth extraction] Schroeder H. **Zahn Mund Kieferheilkd** 1986;74(3):259–64 (Eng. Abstr.) **(Ger)**
[Protocol in interventions in ambulatory surgery of patients under anticoagulant therapy] Italia C, et al.
Ann Osp Maria Vittoria Torino 1984 Jan–Jun;27(1–6):59–74 (Eng. Abstr.) **(Ita)**
[Clinico–statistical observations of 2440 cases of tooth extraction] Moniaci D, et al. **Minerva Stomatol** 1985 Jul–Aug;34(4):665–70 (Eng. Abstr.) **(Ita)**
[Analgesic effect of suprofen in pain caused by dental extraction. Double–blind randomized study] Romano E, et al. **Minerva Stomatol** 1985 Sep–Oct;34(5):865–9 (Eng. Abstr.) **(Ita)**
[Indications for extraction of the impacted 3d molar in an orthodontic treatment program. A review of the literature] Tealdi R, et al. **Minerva Stomatol** 1986 May;35(5):461–3 (14 ref.) (Eng. Abstr.) **(Ita)**
[Results of orthodontic treatment of dystopia of the canine and crowding of the maxillary front teeth involving removal of the 1st premolar] Gontsova EG, et al.
Stomatologiia (Mosk) 1985 Sep–Oct;64(5):55–6 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Unique case of post extraction hemorrhage—case report. Taliaferro RL, et al. **Ann Dent** 1986 Summer;45(1):15–6
Failure of vancomycin prophylaxis and treatment for Actinobacillus actinomycetemcomitans endocarditis. Eng RH, et al. **Antimicrob Agents Chemother** 1986 Apr; 29(4):699–700
Orthodontics for the general practitioner [letter] Case RC. **Aust Dent J** 1985 Jun;30(3):233
An unusual cause of haemorrhage during the surgical removal of a mandibular third molar. Corrigan AM, et al. **Br Dent J** 1985 Nov 9;159(9):292–3
A comparative study of the efficacy of aspirin and an ibuprofen/codeine combination in patients treated pre–operatively with methylprednisolone acetate. Mitchell DA, et al. **Br Dent J** 1985 Aug 10;159(3):78–81
Dry socket incidence compared after a 12 year interval. Field EA, et al. **Br J Oral Maxillofac Surg** 1985 Dec;23(6):419–27
A double–blind placebo–controlled comparison of three ibuprofen/codeine combinations and aspirin. Frame JW, et al. **Br J Oral Maxillofac Surg** 1986 Apr;24(2):122–9
Anti–inflammatory effects of ultrasound therapy: evidence for a major placebo effect. Hashish I, et al.
Br J Rheumatol 1986 Feb;25(1):77–81
Postoperative complications after surgical removal of mandibular third molars. Effects of penicillin V and chlorhexidine. Krekmanov L, et al.
Int J Oral Maxillofac Surg 1986 Feb;15(1):25–9
A double–blind, randomized study of naproxen and acetylsalicylic acid after surgical removal of impacted lower third molars. Sindet–Pedersen S, et al.
Int J Oral Maxillofac Surg 1986 Aug;15(4):389–94
Extensive subcutaneous emphysema crossing the midline after a surgical extraction: report of case. Belfiglio EJ, et al. **J Am Dent Assoc** 1986 May;112(5):646–8
Complications after mandibular third molar surgery: a statistical analysis of 500 consecutive procedures in private practice. Goldberg MH, et al. **J Am Dent Assoc** 1985 Aug; 111(2):277–9
Pneumomediastinum and subcutaneous cervical emphysema during third molar extraction under general anesthesia. Aragon SB, et al. **J Oral Maxillofac Surg** 1986 Feb; 44(2):141–4
A prospective study of complications related to mandibular third molar surgery. Osborn TP, et al.
J Oral Maxillofac Surg 1985 Oct;43(10):767–9
Staphylococcal endocarditis after dental extraction [letter] Etienne J, et al. **Lancet** 1986 Aug 30;2(8505):511–2
Control of bleeding in severely uremic patients undergoing oral surgery. Buckley DJ, et al.
Oral Surg Oral Med Oral Pathol 1986 Jun;61(6):546–9
Bilateral lingual nerve anesthesia following mandibular third molar extractions. Fielding AF, et al.
Oral Surg Oral Med Oral Pathol 1986 Jul;62(1):13–6
Reflex sympathetic dystrophy syndrome. Case report with a review of the literature. Markoff M, et al.
Oral Surg Oral Med Oral Pathol 1986 Jan;61(1):23–8
The analgesic efficacy of one pre– and postoperative dose of piroxicam in oral surgery. Piironen J, et al.
Proc Finn Dent Soc 1985;81(5–6):271–4
Acetylsalicylic acid compared with acetylsalicylic acid plus codeine as postoperative analgesics after removal of impacted mandibular third molars. Dahl E, et al.
Swed Dent J 1985;9(5):207–12
[Prevention and treatment of hemorrhage after tooth extraction by using the dry alum powder of Cibotium barometz] Zhou RJ. **Chung Hsi I Chieh Ho Tsa Chih** 1985 Aug;5(8):483–4, 452 (Eng. Abstr.) **(Chi)**
[Short– and long–term observation of nerve injury after extraction of mandibular impacted wisdom teeth] Geng WQ, et al. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Sep; 20(5):276–8, 318–9 (Eng. Abstr.) **(Chi)**
[Postextraction alveolitis. A 10–year case study of clinical activity in tooth extraction] Bucci E, et al.
Minerva Stomatol 1986 Apr;35(4):261–3 (Eng. Abstr.) **(Ita)**
[Oro–sinal fistulas] Wizimirska J, et al. **Wiad Lek** 1986 Feb

1;39(3):182–7 (Eng. Abstr.) (Pol)
[Emergency procedures after perforation of the maxillary sinus during tooth extraction] Ugulava SN. **Voen Med Zh** 1986 Feb;(2):52–3 (Rus)

HISTORY

Painless Parker. The final chapter (Edgar Randolph Parker). Pronych PM. **Can Dent Assoc J** 1985 Sep;51(9):665–7
[Exodontics in prehistory and in contemporary primitive societies. A study of tooth extraction as a technic of utilitarian resort and as a fact of custom] Pierleoni P, et al. **Minerva Stomatol** 1985 Jul–Aug;34(4):595–616 (Eng. Abstr.) (Ita)

INSTRUMENTATION

Eagle Beak molar forceps: evolution and usage. Coombs MI. **Aust Dent J** 1985 Oct;30(5):360–3
Apparatus for simulating extraction forces. Lehtinen R, et al. **Int J Oral Maxillofac Surg** 1986 Aug;15(4):444–5
Success of technique is seconded [letter] Francis JL. **J Am Dent Assoc** 1986 Mar;112(3):308
Use of Hedstrom file for removal of fractured root tips. Spielman AI, et al. **J Am Dent Assoc** 1985 Dec;111(6):970

METHODS

Local hemostasis after tooth extraction in patients with abnormal hemostatic function. Use of human fibrinogen concentrate. Baudo F, et al. **Haemostasis** 1985;15(6):402–4
Tooth extraction by orthodontic force after radiation therapy: report of case. Rodu B, et al. **J Am Dent Assoc** 1985 Dec;111(6):955–7
[Use of seduxen for premedication in outpatient oral surgery on hypertension patients] Biziaev AF, et al. **Stomatologiia (Mosk)** 1986 Jan–Feb;65(1):33–5 (Rus)
[Use of an antiseptic sponge with kanamycin in dental polyclinic practice] Livshits IaG, et al. **Stomatologiia (Mosk)** 1986 Jan–Feb;65(1):50–2 (Eng. Abstr.) (Rus)

PSYCHOLOGY

Psychological preparation influences nitrous oxide analgesia: replication of laboratory findings in a clinical setting. Dworkin SF, et al. **Oral Surg Oral Med Oral Pathol** 1986 Jan;61(1):108–12

TOOTH FRACTURES

COMPLICATIONS

The incidence of complications following root fracture in permanent anterior teeth. Birch R, et al. **Br Dent J** 1986 Feb 22;160(4):119–22
Incompletely fractured teeth—a survey of endodontists. Maxwell EH, et al. **Oral Surg Oral Med Oral Pathol** 1986 Jan;61(1):113–7
[Intraorbital abscess of dental origin in a child] Goudot P, et al. **Rev Stomatol Chir Maxillofac** 1986;87(2):115–8 (Eng. Abstr.) (Fre)

DIAGNOSIS

The incompletely fractured tooth. Swepston JH, et al. **J Prosthet Dent** 1986 Apr;55(4):413–6

ETIOLOGY

Chin trauma as a cause of primary molar fracture: report of case. Maréchaux SC. **ASDC J Dent Child** 1985 Nov–Dec;52(6):452–4
Numerical analysis of the thermochemical tooth damage induced by laser radiation. Laufer G, et al. **J Biomech Eng** 1985 Aug;107(3):234–9
Fracture resistance of teeth restored with class II bonded composite resin. Eakle WS. **J Dent Res** 1986 Feb; 65(2):149–53
Tooth breakage in patients injected with 224Ra. Sonnabend E, et al. **Strahlentherapie [Sonderb]** 1985;80:60–4

OCCURRENCE

Fractured permanent incisors among Nigerian school children. Falomo B. **ASDC J Dent Child** 1986 Mar–Apr; 53(2):119–21
Traumatized anterior teeth amongst high school students in northern Sydney. Burton J, et al. **Aust Dent J** 1985 Oct; 30(5):346–8

PATHOLOGY

Fractures of posterior teeth in adults. Eakle WS, et al. **J Am Dent Assoc** 1986 Feb;112(2):215–8

PHYSIOPATHOLOGY

Fracture toughness of human dentin. El Mowafy OM, et al. **J Dent Res** 1986 May;65(5):677–81
Resistance to cusp fracture in class II prepared and restored premolars. Gelb MN, et al. **J Prosthet Dent** 1986 Feb; 55(2):184–5
Spontaneous repair of a fractured tooth crown: an indication for retrograde root filling. Falomo OO. **Oral Surg Oral Med Oral Pathol** 1986 Sep;62(3):327–9

PREVENTION & CONTROL

Coronal reinforcement with cross-splinted pin-amalgam restorations. Lambert RL, et al. **J Prosthet Dent** 1985 Sep; 54(3):346–9
Fracture resistance of teeth with resin-bonded restorations. Stampalia LL, et al. **J Prosthet Dent** 1986 Jun;55(6):694–8

RADIOGRAPHY

The radiology of trauma. Tyndall DA. **Dent Radiogr Photogr** 1985;57(1–4):17–26, 60–6

REHABILITATION

A single-appointment technique for reuse of a crown after tooth fracture. Haywood VB, et al. **J Prosthet Dent** 1986 Feb;55(2):182–3

SURGERY

Success of technique is seconded [letter] Francis JL. **J Am Dent Assoc** 1986 Mar;112(3):308
Use of Hedstrom file for removal of fractured root tips. Spielman AI, et al. **J Am Dent Assoc** 1985 Dec;111(6):970

THERAPY

Forced eruption in the treatment of transverse root fractures. Garrett GB. **J Am Dent Assoc** 1985 Aug;111(2):270–2
Effect of restoration thickness at the cavosurface bevel on the class IV acid-etched retained composite resin restoration. Bagheri J, et al. **J Prosthet Dent** 1985 Aug; 54(2):175–7
Temporization of severely fractured vital anterior teeth. Webb EL, et al. **J Prosthet Dent** 1985 Aug;54(2):198–200
Ultraviolet-light cured composite-resin restorations on fractured incisor teeth: an evaluation after 10–12 years. Stokes AN, et al. **NZ Dent J** 1986 Jan;82(367):15–7
[The management of crown fractures of the permanent anterior teeth in children] Zhang XZ. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Jul;20(4):229–30, 255 (Eng. Abstr.) (Chi)

VETERINARY

Allogeneic tooth transplantation in the dog. Runyon CL, et al. **J Am Vet Med Assoc** 1986 Apr 1;188(7):713–7

TOOTH GERM

see related
ODONTOGENESIS

ANALYSIS

Enamel protein and osteonectin in developing teeth. Limeback H, et al. **Prog Clin Biol Res** 1986;217B:405–8

ANATOMY & HISTOLOGY

[Morphological and functional changes in the dental sac of unerupted teeth and their practical significance] Nespriad'ko VP. **Stomatologiia (Mosk)** 1986 Jan–Feb; 65(1):6–9 (Eng. Abstr.) (Rus)

CYTOLOGY

Dental papilla cells in culture. Comparison of morphology, growth and collagen synthesis with two other dental-related embryonic mesenchymal cell populations. Thesleff I. **Cell Differ** 1986 May;18(3):189–98
Localization of type V collagen with monoclonal antibodies in developing dental and peridental tissues of the rat and hamster. Bronckers AL, et al. **Coll Relat Res** 1986 Mar; 6(1):1–13
Acellular dental matrices promote functional differentiation of ameloblasts. Karcher-Djuricic V, et al. **Differentiation** 1985;29(2):169–75
Tooth germ epithelial-mesenchymal interactions in tissue culture. Dye FJ. **Exp Cell Biol** 1985;53(6):322–7
Correlated observations and analysis of maturation-ameloblast morphology and enamel mineralization. Debari K, et al. **J Dent Res** 1986 May; 65(5):669–72

DRUG EFFECTS

Fluoride-induced cystic changes in the enamel organ of the rat molar. Nordlund AL, et al. **J Oral Pathol** 1986 Feb; 15(2):87–92
[Action of cyclic nucleotides on alveolar bone and tooth germs in tissue culture] Lelbur EE. **Stomatologiia (Mosk)** 1985 Sep–Oct;64(5):22–4 (Eng. Abstr.) (Rus)

EMBRYOLOGY

Scanning electron microscopy of the extracellular matrices of rat molar tooth germs in organ culture in vitro. Ameloot PC, et al. **Arch Oral Biol** 1986;31(4):213–22

GROWTH & DEVELOPMENT

Orally administered methionine alters the growth of tooth germs in newborn rats. McGrath KR, et al. **Ann Nutr Metab** 1985;29(6):374–80
Effects of orally-administered caffeine on the growth of tooth germs in protein-energy malnourished newborn rats. Batirbaygil Y, et al. **Arch Oral Biol** 1985;30(7):583–5

IMMUNOLOGY

Immunoglobulin G in cystic lesions of rat enamel organ following fluoride intoxication. Lange Nordlund A, et al. **Scand J Dent Res** 1986 Feb;94(1):15–8

METABOLISM

The differences in calcium distribution pattern between preodontoblasts and preameloblasts in developing rat molar tooth germs. Kogaya Y, et al. **Calcif Tissue Int** 1986 Aug; 39(2):78–85
Dental cell interaction with extracellular-matrix constituents: type-I collagen and fibronectin. Lesot H, et al. **Differentiation** 1985;29(2):176–81
The pyroantimonate reaction and transcellular transport of calcium in rat molar enamel organs. Reith EJ, et al. **Histochemistry** 1985;83(6):539–43
Characteristics of mineralization of rat molar tooth germs in organ culture. Ameloot PC, et al. **J Biol Buccale** 1986 Mar;14(1):25–37 .

PHYSIOLOGY

Recombinant study of the mouse molar cervical loop and dental papilla by renal transplantation. Morio I. **Arch Oral Biol** 1985;30(7):557–61

SURGERY

[Original technic of germectomy of the 1st permanent premolar] Bernard JC, et al. **Rev Belge Med Dent** 1986 Feb;41(1):19–22 (Eng. Abstr.) (Fre)

ULTRASTRUCTURE

An ultrastructural study of the papillary layer and its vascular bed in the kitten enamel organ. Sasaki T, et al. **Anat Rec** 1986 Apr;214(4):353–64
Ultrastructural study of fluoride-induced in-vitro hypermineralization of enamel in hamster tooth germs explanted during the secretory phase of amelogenesis. Lyaruu DM, et al. **Arch Oral Biol** 1986;31(2):109–17
Ultrastructure of the dental epithelium during enameloid mineralization in a teleost fish, Cichlasoma cyanoguttatum. Prostak K, et al. **Arch Oral Biol** 1986;31(2):73–85
Ultrastructure of lingual enamel epithelium in rabbit permanent incisors. Grevstad HJ, et al. **Scand J Dent Res** 1985 Oct;93(5):409–20
Ultrastructure of fluoride-induced cysts in the rat molar enamel organ. Nordlund AL, et al. **Scand J Dent Res** 1986 Aug;94(4):327–37

TOOTH, IMPACTED

see related
TOOTH EXTRACTION

Bonding characteristics of impacted versus erupted permanent teeth. Jacobs G, et al. **Am J Orthod** 1986 Mar; 89(3):242–5

COMPLICATIONS

On aggression [letter] Dickson G. **Br J Orthod** 1986 Jul; 13(3):184
Cerebral abscess and meningitis complicated by residual mandibular ankylosis. A study of the routes that spread the infection. Zachariades N, et al. **J Oral Med** 1986 Jan–Mar;41(1):14–20
The role of dental disease in fever of unknown origin. Huebner GR, et al. **Postgrad Med** 1986 Apr;79(5):275–8

ETIOLOGY

Unerupted second primary molar positioned inferior to the second premolar: clinical report. Tsukamoto S, et al. **ASDC J Dent Child** 1986 Jan–Feb;53(1):67–9
[Etiological, epidemiological and clinical assessment of the problem of impacted canines] Luglié PF, et al. **Minerva Stomatol** 1986 Jun;35(6):583–7 (Eng. Abstr.) (Ita)

PATHOLOGY

Squamous odontogenic tumor related to an unerupted lower canine. Monteil RA, et al. **J Oral Maxillofac Surg** 1985 Nov;43(11):888–95
The effect of aging on tooth morphology: a study on impacted teeth. Nitzan DW, et al. **Oral Surg Oral Med Oral Pathol** 1986 Jan;61(1):54–60
[Polyimpaction or a 3d dentition? A report of an unusual clinical case] Grulliero A, et al. **Minerva Stomatol** 1986 Jun;35(6):599–602 (Eng. Abstr.) (Ita)

PHYSIOPATHOLOGY

Transmigration of impacted mandibular cuspids. Javid B. **Int J Oral Surg** 1985 Dec;14(6):547–9

RADIOGRAPHY

X-ray dilemma—root resorption associated with an impacted third molar. Goho C. **Ann Dent** 1986 Summer;45(1):35
Impacted mandibular anterior teeth. Gadgil RM. **Oral Surg Oral Med Oral Pathol** 1986 Jan;61(1):106

SURGERY

The surgical exposure and application of direct traction of unerupted teeth. McDonald F, et al. **Am J Orthod** 1986 Apr;89(4):331–40

Transalveolar transplantation of maxillary canines. An alternative to orthodontic treatment in adult patients. Sagne S, et al. **Am J Orthod Dentofacial Orthop** 1986 Aug; 90(2):149–57

Surgery for impacted cuspid [letter] Squire BE. **Aust Dent J** 1985 Jun;30(3):231–2

An unusual cause of haemorrhage during the surgical removal of a mandibular third molar. Corrigan AM, et al. **Br Dent J** 1985 Nov 9;159(9):292–3

A controlled clinical trial of prophylactic tinidazole for chemoprophylaxis in third molar surgery. Mitchell DA. **Br Dent J** 1986 Apr 19;160(8):284–6

Sedation in outpatient oral surgery. Comparison of temazepam by mouth and diazepam i.v. O'Boyle CA, et al. **Br J Anaesth** 1986 Apr;58(4):378–84

An investigation into post-operative pain after third molar surgery under local analgesia. Seymour RA, et al. **Br J Oral Maxillofac Surg** 1985 Dec;23(6):410–8

Polylactic acid surgical dressing material. Postoperative therapy for dental extraction wounds. Brekke JH, et al. **Can Dent Assoc J** 1986 Jul;52(7):599–602

Naloxone, fentanyl, and diazepam modify plasma beta-endorphin levels during surgery. Hargreaves KM, et al. **Clin Pharmacol Ther** 1986 Aug;40(2):165–71

Postoperative complications after surgical removal of mandibular third molars. Effects of penicillin V and chlorhexidine. Krekmanov L, et al. **Int J Oral Maxillofac Surg** 1986 Feb;15(1):25–9

Autotransplantation of maxillary canine teeth. A follow-up of 35 cases up to 4 years. Lownie JF, et al. **Int J Oral Maxillofac Surg** 1986 Jun;15(3):282–7

A double-blind, randomized study of naproxen and acetylsalicylic acid after surgical removal of impacted lower third molars. Sindet-Pedersen S, et al. **Int J Oral Maxillofac Surg** 1986 Aug;15(4):389–94

Complications after mandibular third molar surgery: a statistical analysis of 500 consecutive procedures in private practice. Goldberg MH, et al. **J Am Dent Assoc** 1985 Aug; 111(2):277–9

Effect of phenoxymethylpenicillin and erythromycin prophylaxis on anaerobic bacteraemia after oral surgery. Josefsson K, et al. **J Antimicrob Chemother** 1985 Aug; 16(2):243–51

Periodontal adaptation following extensive extrusion and rotation of a horizontally impacted maxillary central incisor. A case report. Khouri SA. **J Periodontol** 1986 Apr; 57(4):251–6

Surgical removal of the fully impacted mandibular third molar. The influence of flap design and alveolar bone height on the periodontal status of the second molar. Quee TA, et al. **J Periodontol** 1985 Oct;56(10):625–30

Conservative management of an impacted incisor. Bullen C, et al. **Oral Surg Oral Med Oral Pathol** 1986 Jun;61(6):564–7

Reflex sympathetic dystrophy syndrome. Case report with a review of the literature. Markoff M, et al. **Oral Surg Oral Med Oral Pathol** 1986 Jan;61(1):23–8

Differential effect of benzodiazepine sedation in high and low anxious patients in a "real life" stress setting.O'Boyte CA, et al. **Psychopharmacology (Berlin)** 1986;88(2):226–9

Acetylsalicylic acid compared with acetylsalicylic acid plus codeine as postoperative analgesics after removal of impacted mandibular third molars. Dahl E, et al. **Swed Dent J** 1985;9(5):207–12

[Short- and long-term observation of nerve injury after extraction of mandibular impacted wisdom teeth] Geng WQ, et al. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Sep; 20(5):276–8, 318–9 (Eng. Abstr.) (Chi)

[Reimplantation of impacted canines in adolescents] Bullens R, et al. **Rev Belge Med Dent** 1985 Sep–Oct;40(5):155–9 (Eng. Abstr.) (Fre)

[The bipedunculated limbus in the surgical exposure of impacted teeth in high vestibular position] Peretta R, et al. **Minerva Stomatol** 1986 Apr;35(4):319–21 (Eng. Abstr.) (Ita)

[Indications for extraction of the impacted 3d molar in an orthodontic treatment program. A review of the literature] Tealdi R, et al. **Minerva Stomatol** 1986 May;35(5):461–3 (14 ref.) (Eng. Abstr.) (Ita)

THERAPY

A removable appliance for the preliminary vertical movement and subsequent buccal movement of palatally impacted canines. Galloway H, et al. **Br J Orthod** 1985 Oct;12(4):208–11

Maintaining an ideal tooth-gingiva relationship when exposing and aligning an impacted tooth. Wong-Lee TK, et al. **Br J Orthod** 1985 Oct;12(4):189–92

Impaction of first permanent molars: differential diagnosis and disimpaction technique. McClea CP. **NZ Dent J** 1986 Apr;82(368):42–5

[Movement of impacted canines in a case of partial edentulousness] Jung-Nafziger Y. **Orthod Fr** 1984; 55(2):449–53 (Eng. Abstr.) (Fre)

[Use of incompletely erupted and malpositioned wisdom teeth in prosthetics] Kozhokaru MP, et al. **Stomatologiia (Mosk)** 1985 Jul–Aug;64(4):53–4 (Eng. Abstr.) (Rus)

[Combined treatment of maxillodental anomalies combined with retained teeth in children] Shul'kina NM, et al. **Stomatologiia (Mosk)** 1985 Nov–Dec;64(6):33–4 (Eng. Abstr.) (Rus)

TOOTH LUXATION

COMPLICATIONS

Root resorption: a complication following traumatic avulsion. Symons AL. **ASDC J Dent Child** 1986 Jul–Aug;53(4):271–4

OCCURRENCE

Traumatized anterior teeth amongst high school students in northern Sydney. Burton J, et al. **Aust Dent J** 1985 Oct; 30(5):346–8

SURGERY

Splinting and replantation after traumatic avulsion. Kehoe JC. **J Am Dent Assoc** 1986 Feb;112(2):224–30 (61 ref.)

Replantation of avulsed teeth with immature root development. Johnson WT, et al. **Oral Surg Oral Med Oral Pathol** 1985 Oct;60(4):420–7

THERAPY

Management of avulsed permanent tooth. Childers NK. **Ala J Med Sci** 1986 Apr;23(2):200–3

Intrusion of an extrusion: case report of an innovative treatment alternative. Cooke MS, et al. **Br Dent J** 1985 Aug 10;159(3):84–7

Splint recommendations [letter] Kaminishi RM. **J Am Dent Assoc** 1986 May;112(5):596

Emergency splint stabilization of dental-alveolar trauma: a practical technique. Posner SH. **Milit Med** 1986 Jan; 151(1):57–9

Clinical observations regarding the treatment of traumatically avulsed mature teeth. Part 2. Matusow RJ. **Oral Surg Oral Med Oral Pathol** 1985 Oct;60(4):428–35

[Reimplantation of traumatically dislocated teeth using cylindrically shaped A1203-ceramic posts] Nentwig GH. **Schweiz Monatsschr Zahnmed** 1986 Jan;96(1):300–3 (Eng. Abstr.) (Ger)

[Orthodontic splint for treating tooth dislocations in children] Kutsevliak VI, et al. **Stomatologiia (Mosk)** 1985 Sep–Oct; 64(5):68 (Eng. Abstr.) (Rus)

TOOTH MIGRATION

The blood-vessel thrust theory of tooth eruption and migration. Sutton PR, et al. **Med Hypotheses** 1985 Nov; 18(3):289–95

[Mechanics of the mesial movement of teeth in the posterior mandibular segment for treating class II by extraction of 14-24 and 35-45 in Tweed's technic] Horn AJ. **Orthod Fr** 1984;55(2):495–501 (Fre)

[Biomechanical aspects of tooth movement in orthodontics] Duncker M. **Fortschr Kieferorthop** 1986 Apr;47(2):114–21 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

Transmigration of impacted mandibular cuspids. Javid B. **Int J Oral Surg** 1985 Dec;14(6):547–9

Drifting, tipping, supraeruption, and segmental alveolar bone growth. Kaplan P. **J Prosthet Dent** 1985 Aug;54(2):280–3

Tooth eruption and migration theories [letter] Harris R, et al. **Oral Surg Oral Med Oral Pathol** 1985 Dec;60(6):604

RADIOGRAPHY

Changing positions of supernumerary teeth in the premaxilla: a radiographic study. Stermer Beyer-Olsen EM, et al. **ASDC J Dent Child** 1985 Nov–Dec;52(6):428–30

Unerupted and ectopic mandibular premolars. Loh HS, et al. **Oral Surg Oral Med Oral Pathol** 1986 Sep;62(3):358

THERAPY

Repair of an extensive periodontal defect after tetracycline administration. A case report. Moskow BS. **J Periodontol** 1986 Jan;57(1):29–34

TOOTH MOBILITY

Extrusive mobility of teeth in adult monkeys (Macaca fascicularis). Picton DC. **Arch Oral Biol** 1986;31(6):369–72

DIAGNOSIS

The laser reflection method. Computerized analysis of speckle pattern. Liljeborg A, et al. **Swed Dent J** 1985; 9(5):213–8

ETIOLOGY

Effect of positional loading of three removable partial denture clasp assemblies on movement of abutment teeth. Browning JD, et al. **J Prosthet Dent** 1986 Mar;55(3):347–51

Does osteomalacia contribute to development of oral complications of oxalosis? Boyce BF, et al. **Oral Surg Oral Med Oral Pathol** 1986 Mar;61(3):272–7

IMMUNOLOGY

Macrophage chemotaxis in experimental tooth movement in the rat. Nixon C, et al. **Arch Oral Biol** 1985;30(10):739–43

METABOLISM

Osteoblastic and fibroblastic PGE: in vivo effects of indomethacin and mechanical force. Shanfeld JL, et al. **Prog Clin Biol Res** 1985;187:331–42

PHYSIOPATHOLOGY

Effect of abutment mobility, site, and angle of impact on retention of fixed partial dentures. Jacobi R, et al. **J Prosthet Dent** 1985 Aug;54(2):178–83

Computer-controlled force transducer and ultrasonic displacement transducer to continuously record movement of a tooth during loading. Leendertz JA, et al. **Med Biol Eng Comput** 1986 Mar;24(2):216–8

[Functional behavior between periodontium and vital and avital teeth] Sponholz H, et al. **Zahn Mund Kieferheilkd** 1986;74(4):322–4 (Eng. Abstr.) (Ger)

SURGERY

[Transfixation of teeth at risk of loss] Strassl H, et al. **Minerva Stomatol** 1986 May;35(5):479–83 (Eng. Abstr.) (Ita)

THERAPY

The use of a clear, pliable film to form a fiberglass-reinforced splint. Levenson MF. **J Am Dent Assoc** 1986 Jan; 112(1):79–80

Emergency splint stabilization of dental-alveolar trauma: a practical technique. Posner SH. **Milit Med** 1986 Jan; 151(1):57–9

[Semipermanent splinting of loose frontal teeth] Komári J, et al. **Fogorv Sz** 1986 Jun;79(6):176–81 (Eng. Abstr.) (Hun)

VETERINARY

Trimming incisor teeth of sheep. Spence JA, et al. **Vet Rec** 1986 May 31;118(22):617

TOOTH MOVEMENT, MINOR

Clinical crown length and reduction in overjet, overbite, and dental height with orthodontic treatment. Abdel-Kader HM. **Am J Orthod** 1986 Mar;89(3):246–50

Mandibular molar displacement secondary to the use of forces to retract the maxilla. Ben-Bassat Y, et al. **Am J Orthod** 1986 Jan;89(1):1–12

The effect of indomethacin (an aspirin-like drug) on the rate of orthodontic tooth movement. Chumbley AB, et al. **Am J Orthod** 1986 Apr;89(4):312–4

Reconstruction of alveolar width for orthodontic tooth movement: a case report. Kaminishi R, et al. **Am J Orthod** 1986 Apr;89(4):342–5

Influence of orthodontic treatment on root development of autotransplanted premolars. Lagerström L, et al. **Am J Orthod** 1986 Feb;89(2):146–50

The surgical exposure and application of direct traction of unerupted teeth. McDonald F, et al. **Am J Orthod** 1986 Apr;89(4):331–40

Tissue reaction following application of extrusive and intrusive forces to teeth in adult monkeys. Melsen B. **Am J Orthod** 1986 Jun;89(6):469–75

Activation of the vascular system: a main mediator of periodontal fiber remodeling in orthodontic tooth movement. Rygh P, et al. **Am J Orthod** 1986 Jun; 89(6):453–68

The effect of gingival fiberotomy on the rate of tooth movement. Tuncay OC, et al. **Am J Orthod** 1986 Mar; 89(3):212–5

Statistical evaluation of torque angles in reference to straight-wire appliance (SWA) theories. Vardimon AD, et al. **Am J Orthod** 1986 Jan;89(1):56–66

Effects of diazepam on orthodontic tooth movement and alveolar bone cAMP levels in cats. Burrow SJ, et al. **Am J Orthod Dentofacial Orthop** 1986 Aug;90(2):102–5

Experimental determination of the center of resistance of the upper first molar in a macerated, dry human skull submitted to horizontal headgear traction. Dermaut LR, et al. **Am J Orthod Dentofacial Orthop** 1986 Jul;90(1):29–36

Analysis of moment/force ratios in the mechanics of tooth movement. Kusy RP, et al. **Am J Orthod Dentofacial Orthop** 1986 Aug;90(2):127–31

Biochemical aspects of orthodontic tooth movement. I. Cyclic nucleotide and prostaglandin concentrations in tissues surrounding orthodontically treated teeth in vivo. Stanfeld J, et al. **Am J Orthod Dentofacial Orthop** 1986 Aug;90(2):139–48

The integration of orthodontic and restorative procedures in cases with missing maxillary incisors. Asher C, et al. **Br Dent J** 1986 Apr 5;160(7):241–5

Canine and incisor movement effects on anterior arch circumference. Showfety KJ, et al. **Eur J Orthod** 1985 Nov; 7(4):256–9

Facial growth and lower premolar extraction space closure. Stephens CD, et al. **Eur J Orthod** 1985 Aug;7(3):157–62

Combined orthodontic and restorative treatment of malformed premolars. McDuffie MW, et al. **J Am Dent Assoc** 1985 Aug;111(2):281–2

Orthodontic movement of a canine into an adjoining extraction site. Williams KR, et al. **J Biomed Eng** 1986

Apr;8(2):115–20
Long-term effect of thin interdental alveolar bone on periodontal health after orthodontic treatment. Artun J, et al. **J Periodontol** 1986 Jun;57(6):341–6
Periodontal adaptation following extensive extrusion and rotation of a horizontally impacted maxillary central incisor. A case report. Khouri SA. **J Periodontol** 1986 Apr; 57(4):251–6

ADVERSE EFFECTS

Effect of transcutaneous electrical nerve stimulation for controlling pain associated with orthodontic tooth movement. Roth PM, et al.
Am J Orthod Dentofacial Orthop 1986 Aug;90(2):132–8
Occurrence and distribution of root resorption in orthodontically moved premolars in dogs. Follin ME, et al. **Angle Orthod** 1986 Apr;56(2):164–75
[Tissue lesions in dental displacement] Auriol M, et al.
Rev Stomatol Chir Maxillofac 1986;87(1):42–7 (Eng. Abstr.) (Fre)

INSTRUMENTATION

A comparison of elastomeric auxiliaries versus elastic thread on premolar extraction site closure: an in vivo study. Sonis AL, et al. **Am J Orthod** 1986 Jan;89(1):73–8
A comparison of frictional forces during simulated canine retraction of a continuous edgewise arch wire. Garner LD, et al. **Am J Orthod Dentofacial Orthop** 1986 Sep; 90(3):199–203
A removable appliance for the preliminary vertical movement and subsequent buccal movement of palatally impacted canines. Galloway H, et al. **Br J Orthod** 1985 Oct;12(4):208–11
[Auxiliary torque arches during the contraction phase] Cassarino G, et al. **Minerva Stomatol** 1986 Mar;35(3):143–6 (Eng. Abstr.) (Ita)
[Treatment of the vertical form of the Popov–Godon phenomenon] Gontsova EG, et al. **Stomatologiia (Mosk)** 1985 Jul–Aug;64(4):54–5 (Eng. Abstr.) (Rus)

METHODS

Evaluation of intrusive mechanics of the type "segmented arch" on a macerated human skull using the laser reflection technique and holographic interferometry. Dermaut LR, et al. **Am J Orthod** 1986 Mar;89(3):251–63
Light-wire treatment of a Class II, division 1 subdivision malocclusion. An American Board of Orthodontics case report. Kelly MF. **Am J Orthod** 1986 Mar;89(3):216–22
The effect of two contrasting forms of orthodontic treatment on the facial profile. Looi LK, et al. **Am J Orthod** 1986 Jun;89(6):507–17
Re: Light-wire treatment of a Class II, division 1 subdivision malocclusion [letter] Thompson WJ. **Am J Orthod** 1986 Mar;89(3):266
The center of resistance of anterior teeth during intrusion using the laser reflection technique and holographic interferometry. Vanden Bulcke MM, et al.
Am J Orthod Dentofacial Orthop 1986 Sep;90(3):211–20
Maxillary incisobabial responses in class II, division 1 treatment with Fränkel and Edgewise. Owen AH 3d.
Angle Orthod 1986 Jan;56(1):67–87
A simplified treatment for correcting an ectopically erupting maxillary first permanent molar. Groper JN.
ASDC J Dent Child 1985 Sep–Oct;52(5):374–6
Intrusion of an extrusion: case report of an innovative treatment alternative. Cooke MS, et al. **Br Dent J** 1985 Aug 10;159(3):84–7
Occlusal support for the anterior bite plane during incisor retraction. McCartney TP. **Eur J Orthod** 1985 Nov;7(4):255
Orthodontic extrusion and biologic width realignment procedures: methods for reclaiming nonrestorable teeth. Biggerstaff RH, et al. **J Am Dent Assoc** 1986 Mar; 112(3):345–8
Forced eruption in the treatment of transverse root fractures. Garrett GB. **J Am Dent Assoc** 1985 Aug;111(2):270–2
Orthodontic extension and biologic width realignment [letter] Weissman J. **J Am Dent Assoc** 1986 Jun;112(6):806
Impaction of first permanent molars: differential diagnosis and disimpaction technique. McClea CP. **NZ Dent J** 1986 Apr;82(368):42–5
[Control of the molar in Begg's technic. I. Stage 1] Deblock L. **Orthod Fr** 1982;53(2):599–621 (Eng. Abstr.) (Fre)
[Movement of impacted canines in a case of partial edentulousness] Jung-Nafziger Y. **Orthod Fr** 1984; 55(2):449–53 (Eng. Abstr.) (Fre)
[Use of vibratory action on the teeth to accelerate orthodontic treatment] Krishtab SI, et al.
Stomatologiia (Mosk) 1986 May–Jun;65(3):61–3 (Eng. Abstr.) (Rus)

TOOTH PERMEABILITY

Potentiometric study of dentine permeability. Santini A.
Caries Res 1986;20(4):341–3
Effects of neutral salts in a bench-scale caries model. Brown WE, et al. **J Dent Res** 1986 Sep;65(9):1115–20
Measurement of the permeability of dental enamel and its variation with depth using an electrochemical method. Hoppenbrouwers PM, et al. **J Dent Res** 1986 Feb; 65(2):154–7

DRUG EFFECTS

Effect of various aliphatic amines on the permeability of bovine dental enamel. Borggreven JM, et al.
Arch Oral Biol 1986;31(6):341–4
The effects of oxalate treatment on the smear layer of ground surfaces of human dentine. Pashley DH, et al.
Arch Oral Biol 1985;30(10):731–7
The effects of calcium hydroxide on dentin permeability. Pashley DH, et al. **J Dent Res** 1986 Mar;65(3):417–20

TOOTH REIMPLANTATION see TOOTH REPLANTATION

TOOTH REMINERALIZATION

Remineralisation of carious lesions in enamel by exposure to a fluoride-containing toothpaste in vitro.
Joyston-Bechal S, et al. **Br Dent J** 1986 Aug 23; 161(4):133–6
In vivo remineralization of artificial enamel lesions by a fluoride dentifrice or mouthrinse. Corpron RE, et al.
Caries Res 1986;20(1):48–55
In vivo remineralization of plaque-induced initial enamel lesions—a microradiographic investigation. Dijkman AG, et al. **Caries Res** 1986;20(3):202–8
Evaluation of toothpastes by their ability to assist rehardening of enamel in vitro. Gerrard WA, et al. **Caries Res** 1986; 20(3):209–16
Early natural subsurface caries. A SEM study of the enamel surface before and after remineralization. Möller H, et al. **Caries Res** 1986;20(2):97–102
Regression of approximal carious lesions diagnosed from serial standardized bitewing radiographs (short communication). Pitts NB. **Caries Res** 1986;20(1):85–90
Influence of xylitol- and/or fluoride-containing toothpastes on the remineralization of surface softened enamel defects in vivo. Smits MT, et al. **Caries Res** 1985;19(6):528–35
Comparison of the in vivo effect of a 0 and 1,500 ppmF MFP toothpaste on fluoride uptake, acid resistance and lesion remineralization. ten Cate JM, et al. **Caries Res** 1986; 20(3):193–201
Effects of two fluoride gels on fluoride uptake and phosphorus loss during artificial caries formation. Mellberg JR, et al. **J Dent Res** 1986 Aug;65(8):1084–6
In vivo remineralization by a monofluorophosphate dentifrice as determined with a thin-section sandwich method. Mellberg JR, et al. **J Dent Res** 1986 Aug;65(8):1078–83
[Remineralization] Fehérváry E, et al. **Fogorv Sz** 1985 Oct; 78(10):289–97 (Eng. Abstr.) (Hun)

METHODS

Lesion formation and lesion remineralization in enamel under constant composition conditions. A new technique with applications. Buskes JA, et al. **Caries Res** 1985;19(6):490–6
A theoretical study of in vivo lesion repair using a controlled-release device. Greene WM, et al.
J Dent Res 1986 Sep;65(9):1169–72
Remineralization by a monofluorophosphate dentifrice in vitro of root dentin softened by artificial caries. Mellberg JR, et al. **J Dent Res** 1986 Jul;65(7):959–62

TOOTH REPLANTATION

Cryopreservation as long-term storage of teeth for transplantation or replantation. Schwartz O.
Int J Oral Maxillofac Surg 1986 Feb;15(1):30–2
Splinting and replantation after traumatic avulsion. Kehoe JC. **J Am Dent Assoc** 1986 Feb;112(2):224–30 (61 ref.)
Splint systems [letter] Weisman MI. **J Am Dent Assoc** 1986 Apr;112(4):450
Healing after root reimplantation in the monkey. Houston F, et al. **J Clin Periodontol** 1985 Oct;12(9):716–27
Healing after application of tissue-adhesive material to denuded and citric acid–treated root surfaces. Caton JG, et al. **J Periodontol** 1986 Jun;57(6):385–90
Healing and revascularization of apical periodontium and dental pulps in apicoectomized and nonapicoectomized tooth replants in monkeys. A study of fully developed teeth. Castelli WA, et al. **Oral Surg Oral Med Oral Pathol** 1985 Dec;60(6):571–6
Replantation of avulsed teeth with immature root development. Johnson WT, et al.
Oral Surg Oral Med Oral Pathol 1985 Oct;60(4):420–7
Intentional replantation of periodontally involved and endodontically mistreated tooth. Lu DP.
Oral Surg Oral Med Oral Pathol 1986 May;61(5):508–13
[The knocked-out tooth] Baart JA.
Ned Tijdschr Geneeskd 1985 Nov 23;129(47):2251–2 (Dut)
[The knocked-out tooth (letter)] Moorer WR.
Ned Tijdschr Geneeskd 1986 Jan 18;130(3):133–4 (Dut)
[Reimplantation of impacted canines in adolescents] Bullens R, et al. **Rev Belge Med Dent** 1985 Sep–Oct;40(5):155–9 (Eng. Abstr.) (Fre)
[Programmed vital orthotopic dental autoimplants] Chantel PA, et al. **Minerva Stomatol** 1986 May;35(5):469–78 (Eng. Abstr.) (Ita)
[Inflammatory-type rhizolysis following post-traumatic dental reimplantations] Urbani G, et al.
Minerva Stomatol 1986 Mar;35(3):213–20 (Eng. Abstr.) (Ita)

INSTRUMENTATION

[Reimplantation of traumatically dislocated teeth using cylindrically shaped A1203-ceramic posts] Nentwig GH.
Schweiz Monatsschr Zahnmed 1986 Jan;96(1):300–3 (Eng. Abstr.) (Ger)

METHODS

Management of avulsed permanent tooth. Childers NK.
Ala J Med Sci 1986 Apr;23(2):200–3
Ankylosed teeth as abutments for maxillary protraction: a case report. Kokich VG, et al. **Am J Orthod** 1985 Oct; 88(4):303–7
[Transfixation of teeth at risk of loss] Strassl H, et al.
Minerva Stomatol 1986 May;35(5):479–83 (Eng. Abstr.) (Ita)

TOOTH RESORPTION

Resorption of the mouse incisor after the application of cold to the periodontal attachment apparatus. Wesselink PR, et al. **Calcif Tissue Int** 1986 Jul;39(1):11–21

ETIOLOGY

The effects of primary molar ankylosis on root resorption and the development of permanent successors. Nazif MM, et al. **ASDC J Dent Child** 1986 Mar–Apr;53(2):115–8
On aggression [letter] Dickson G. **Br J Orthod** 1986 Jul; 13(3):184
Another aggressive unerupted second premolar [letter] Oliver RG. **Br J Orthod** 1986 Jan;13(1):61–2

METABOLISM

Physiologic root resorption in cats: a process involving cyclic nucleotides and prostaglandins. Davidovitch Z, et al.
Prog Clin Biol Res 1985;187:245–57

PATHOLOGY

Idiopathic resorption of teeth. A report of three cases. George DI Jr, et al. **Am J Orthod** 1986 Jan;89(1):13–20
An ultrastructural study of tooth resorption in the kitten. Ten Cate AR, et al. **J Dent Res** 1986 Aug;65(8):1087–93
Optical and scanning electron microscopy in the single osteoclast resorption assay. Boyde A, et al.
Scan Electron Microsc 1985;(Pt 3):1259–71

TOOTH ROOT

see related
APICOECTOMY
ROOT RESORPTION

A simple model for root caries and alveolar bone recession in rats (short communication). Guggenheim B, et al.
Caries Res 1985;19(6):516–8
Predictors of root caries in the elderly. Kitamura M, et al.
Community Dent Oral Epidemiol 1986 Feb;14(1):34–8
Prevalence of root and coronal caries in a noninstitutionalized older population. Beck JD, et al. **J Am Dent Assoc** 1985 Dec;111(6):964–7
Root caries in an optimally fluoridated and a high-fluoride community. Burt BA, et al. **J Dent Res** 1986 Sep; 65(9):1154–8
[Closure of the apical third of necrotic teeth with an open apex. A clinical evaluation] Amato M, et al.
Minerva Stomatol 1986 Jun;35(6):629–36 (Eng. Abstr.) (Ita)
[Biomedical engineering for the conservation of teeth—application of the Nd-YAG laser for treatment of a root cyst] Sumitomo M, et al.
Iyodenshi To Seitai Kogaku 1985 Sep;23(5):285–91 (20 ref.) (Jpn)

ABNORMALITIES

Incidence of an accessory distal root on mandibular first permanent molars in Hispanic children. Steelman R.
ASDC J Dent Child 1986 Mar–Apr;53(2):122–3
Three-rooted lower first permanent molars in Hong Kong Chinese. Walker RT, et al. **Br Dent J** 1985 Nov 9; 159(9):298–9
An unusual Class III malocclusion. Banks PA.
Br J Orthod 1986 Apr;13(2):113–7
The prevalence, location and conformation of palato-radicular grooves in maxillary incisors. Kogon SL.
J Periodontol 1986 Apr;57(4):231–4
Complexities of endodontic treatment of maxillary lateral incisors with anomalous root formation. Greenfeld RS, et al. **Oral Surg Oral Med Oral Pathol** 1986 Jul;62(1):82–8
Odontome simulates a fourth root. Hertl N.
Oral Surg Oral Med Oral Pathol 1986 Feb;61(2):207
[Variations of the root of the mandibular second permanent molar and its clinical significance] Gu ZQ.
Chung Hua Kou Chiang Ko Tsa Chih 1985 Nov;20(6):368–71 (Chi)

ANALYSIS

Fluorine concentration changes in human periodontally diseased tooth roots following several treatment times with citric acid. Swanson WJ, et al. **Calcif Tissue Int** 1985 Jul; 37(4):381–5

ANATOMY & HISTOLOGY

Post-pleistocene changes in tooth root and jaw relationships. Smith P, et al. **Am J Phys Anthropol** 1986 Jul;70(3):339–48
Radiographic study of alveolar bone height related to tooth and root length. Eliasson S, et al. **Community Dent Oral Epidemiol** 1986 Jun;14(3):169–71
In vitro polishing effectiveness of interdental aids on root surfaces. Smith BA, et al. **J Clin Periodontol** 1986 Jul; 13(6):597–603
A histologic study of the width and nature of inter-radicular spaces in human adult pre-molars and molars. Heins PJ, et al. **J Dent Res** 1986 Jun;65(6):948–51
Automated thermatic condensation of gutta-percha root fillings in teeth with open (immature) apices. Dummer PM, et al. **J Oral Rehabil** 1985 Jul;12(4):323–30
New attachment formation on citric acid treated roots. Isidor F, et al. **J Periodont Res** 1985 Jul;20(4):421–30
Long-term effect of thin interdental alveolar bone on periodontal health after orthodontic treatment. Artun J, et al. **J Periodontol** 1986 Jun;57(6):341–6
A morphologic study of the mesial root surface of the adolescent maxillary first bicuspid. Booker BW 3d, et al. **J Periodontol** 1985 Nov;56(11):666–70
Cell and fiber attachment to demineralized dentin from normal root surfaces. Hanes PJ, et al. **J Periodontol** 1985 Dec;56(12):752–65
Prevalence and distribution of attached cementicles on human root surfaces. Holton WL, et al. **J Periodontol** 1986 May;57(5):321–4
Relationship of maxillary molar root angulation and palatal vault height. Howell MM, et al. **J Periodontol** 1986 Jan; 57(1):25–8
[Introduction to a three-dimensional display of dental root arrangement] Nakamura T, et al. **Kokubyo Gakkai Zasshi** 1985 Sep;52(3):587–93 **(Jpn)**

DRUG EFFECTS

Lack of effect of citric acid treatment of root surfaces on the formation of new connective tissue attachment. Marks SC Jr, et al. **J Clin Periodontol** 1986 Feb;13(2):109–16
Effect of antimicrobial agents on root surface caries, alveolar bone loss, and microflora in rice rats. Toth A, et al. **J Dent Res** 1986 May;65(5):695–7
The effect of citric acid on the healing of periodontal ligament-free, healthy roots, horizontally implanted against bone and gingival connective tissue. Dreyer WP, et al. **J Periodont Res** 1986 May;21(3):210–20

GROWTH & DEVELOPMENT

Early mouse molar root development: cellular changes and distribution of fibronectin, laminin and type-IV collagen. Andujar MB, et al. **Differentiation** 1985;30(2):111–22
Tooth root growth impairment after mantle radiation in long-term survivors of Hodgkin's disease. McGinnis JP Jr, et al. **J Am Dent Assoc** 1985 Oct;111(4):584–8
Comparison of tryptophan-labeled constituents of developing rodent molar enamel matrix, non-enamel occlusal cusp, Hertwig's epithelial root sheath, and presumptive root furcation regions: light microscopic autoradiography. Glaxman L, et al. **J Craniofac Genet Dev Biol** 1986; 6(2):171–88

INJURIES

The incidence of complications following root fracture in permanent anterior teeth. Birch R, et al. **Br Dent J** 1986 Feb 22;160(4):119–22
Success of technique is seconded [letter] Francis JL. **J Am Dent Assoc** 1986 Mar;112(3):308
Forced eruption in the treatment of transverse root fractures. Garrett GB. **J Am Dent Assoc** 1985 Aug;111(2):270–2
Use of Hedstrom file for removal of fractured root tips. Spielman AI, et al. **J Am Dent Assoc** 1985 Dec;111(6):970

METABOLISM

Root-analogue versus crown-analogue dentin: a radioautographic and ultrastructural investigation of the mouse incisor. Beertsen W, et al. **Anat Rec** 1986 Jun; 215(2):106–18
A comparison of fibronectin and laminin binding to undemineralized and demineralized tooth root surfaces. Karp W, et al. **J Periodont Res** 1986 Jan;21(1):30–8

MICROBIOLOGY

Longitudinal microbiological investigation of a hospitalized population of older adults with a high root surface caries risk. Ellen RP, et al. **J Dent Res** 1985 Dec;64(12):1377–81
Glycogen synthetic abilities of Actinomyces viscosus and Actinomyces naeslundii freshly isolated from dental plaque over root surface caries lesions and non-carious sites. Koniyama K, et al. **J Dent Res** 1986 Jun;65(6):899–902

PATHOLOGY

The vulnerability of unexposed human dental roots to demineralization. Hoppenbrouwers PM, et al. **J Dent Res** 1986 Jul;65(7):955–8
Remineralization by a monofluorophosphate dentifrice in vitro of root dentin softened by artificial caries. Mellberg JR, et al. **J Dent Res** 1986 Jul;65(7):959–62
Root surface caries and periodontal disease in long-term alloxan diabetic rats. Reuterving CO, et al. **J Dent Res** 1986 May;65(5):689–94
Vital apicoectomy of the teeth: a 1–4 week histopathological study in Macaca mulatta. Ellis E 3d, et al. **J Oral Pathol** 1985 Oct;14(9):718–32
Natural root caries: a histologic and microradiographic evaluation. Wefel JS, et al. **J Oral Pathol** 1985 Sep; 14(8):615–23
Root coverage and ridge augmentation in Class IV recession using a coronally positioned free gingival graft. Miller PD Jr, et al. **J Periodontol** 1986 Jun;57(6):360–3
Cell and fiber attachment to demineralized dentin from periodontitis-affected root surfaces. Polson AM, et al. **J Periodontol** 1986 Apr;57(4):235–46
Active root surface caries converted into inactive caries as a response to oral hygiene. Nyvad B, et al. **Scand J Dent Res** 1986 Jun;94(3):281–4
The effect of a jet abrasive instrument (Prophy Jet) on root surfaces. Petersson LG, et al. **Swed Dent J** 1985;9(5):193–9
[Histological observations on pulpal and periapical tissue reactions after pulp exposure of developing molars] Kato J. **Kokubyo Gakkai Zasshi** 1985 Jun;52(2):288–347 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Influence of orthodontic treatment on root development of autotransplanted premolars. Lagerström L, et al. **Am J Orthod** 1986 Feb;89(2):146–50
Vital root retention. A 5-year experience. Gongloff RK. **Int J Oral Maxillofac Surg** 1986 Feb;15(1):33–8
New attachment-reattachment following reconstructive periodontal surgery. Isidor F, et al. **J Clin Periodontol** 1985 Oct;12(9):728–35
The influence of chemically-induced modifications of root surfaces on cell migration, attachment, and orientation. Lowenberg B, et al. **J Dent Res** 1986 Jul;65(7):1010–5
In vitro attachment of bacteria to extracts of cementum. Somerman MJ, et al. **J Oral Pathol** 1985 Nov;14(10):793–9
Orientation of gingival fibroblasts in simulated periodontal spaces in vitro. SEM observations. Aukhil I, et al. **J Periodontol** 1986 Jul;57(7):405–12
The effect of root detoxification on human gingival fibroblasts. Gilman RS, et al. **J Periodontol** 1986 Jul; 57(7):436–40
Extravascular clot formation and platelet activation on variously treated root surfaces. Steinberg AD, et al. **J Periodontol** 1986 Aug;57(8):516–22
[Root submergence: prevention of jaw resorption. Review of the literature] Vandenoostende-Van den Berghe M, et al. **Rev Belge Med Dent** 1985 May-Jun;40(3):72–5 (23 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Replantation of avulsed teeth with immature root development. Johnson WT, et al. **Oral Surg Oral Med Oral Pathol** 1985 Oct;60(4):420–7
[Biomechanical aspects of tooth movement in orthodontics] Duncker M. **Fortschr Kieferorthop** 1986 Apr;47(2):114–21 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

A radiolucent lesion adjacent to the roots of the mandibular right first and second premolars. Ross VA, et al. **J Am Dent Assoc** 1986 Feb;112(2):235–6

SURGERY

Hemisection and root amputation. Green EN. **J Am Dent Assoc** 1986 Apr;112(4):511–8 (51 ref.)
Scaling and root planing with and without periodontal flap surgery. Caffesse RG, et al. **J Clin Periodontol** 1986 Mar; 13(3):205–10
Healing after root reimplantation in the monkey. Houston F, et al. **J Clin Periodontol** 1985 Oct;12(9):716–27
Healing after treatment of periodontal intraosseous defects. V. Effect of root planing versus flap surgery. Renvert S, et al. **J Clin Periodontol** 1985 Sep;12(8):619–29
Clinical and microbiologic effects of single-dose metronidazole or scaling and root planing in treatment of adult periodontitis. Walsh MM, et al. **J Clin Periodontol** 1986 Feb;13(2):151–7
Healing after application of tissue-adhesive material to denuded and citric acid-treated root surfaces. Caton JG, et al. **J Periodontol** 1986 Jun;57(6):385–90
The impact of research on scaling and root planing. O'Leary TJ. **J Periodontol** 1986 Feb;57(2):69–75 (80 ref.)
Root planing with interdental papilla reflection and fiber optic illumination. Reinhardt RA, et al. **J Periodontol** 1985 Dec;56(12):721–6
[Scaling and root polishing with curets and ultrasonic and pneumatic planers: SEM observations of the root surface] Picarelli A, et al. **Minerva Stomatol** 1985 Jul-Aug; 34(4):717–23 (Eng. Abstr.) **(Ita)**

ULTRASTRUCTURE

Epithelial root-sheath changes during molar formation in the mouse. Gurling FG, et al. **Arch Oral Biol** 1985; 30(11–12):757–64
An ultrastructural study of cytodifferentiation in the developing human root-tip. Rademakers LH, et al. **Arch Oral Biol** 1985;30(9):655–60
A scanning electron microscopic investigation of accessory foramina in the furcation and pulp chamber floor of molar teeth. Vertucci FJ, et al. **Oral Surg Oral Med Oral Pathol** 1986 Sep;62(3):319–26
[Effect of root surface demineralization on the formation of new attachment] Larjava H, et al. **Proc Finn Dent Soc** 1986; 82(1):24–34 (72 ref.) (Eng. Abstr.) **(Fin)**

TOOTH, SUPERNUMERARY

Ectopic soft-tissue mesiodens. Report of a case. Lin CC, et al. **J Oral Med** 1986 Apr-Jun;41(2):124–5, 133
Paramolars: a case report. McMenamin JP, et al. **NY J Dent** 1985 Sep-Oct;55(6):209

ETIOLOGY

[Dental anomalies. The etiopathogenesis and clinical aspects of hyperdontia] Tarello F, et al. **Minerva Stomatol** 1986 Apr;35(4):277–80 (Eng. Abstr.) **(Ita)**

OCCURRENCE

Incidence of supernumerary teeth. Ruprecht A, et al. **Ann Dent** 1984 Winter;43(2):18–21

PATHOLOGY

Fusion of a maxillary central incisor with a supernumerary tooth. Yuzawa M, et al. **J Nihon Univ Sch Dent** 1985 Dec; 27(4):252–4
[Polyimpaction or a 3d dentition? A report of an unusual clinical case] Grulliero A, et al. **Minerva Stomatol** 1986 Jun;35(6):599–602 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Characteristics of premaxillary hyperodontia. A radiographic study. Hurlen B, et al. **Acta Odontol Scand** 1985 May; 43(2):75–81
Changing positions of supernumerary teeth in the premaxilla: a radiographic study. Sterner Beyer-Olsen EM, et al. **ASDC J Dent Child** 1985 Nov-Dec;52(6):428–30
Nasal tooth. Spencer MG, et al. **J Laryngol Otol** 1985 Nov; 99(11):1147–50

SURGERY

Clinical management of multiple maxillary anterior supernumerary teeth: report of case. Folio J, et al. **ASDC J Dent Child** 1985 Sep-Oct;52(5):370–3
Indications for surgical removal of supernumerary teeth in the premaxilla. Koch H, et al. **Int J Oral Maxillofac Surg** 1986 Jun;15(3):273–81
Management of a supernumerary tooth fused to a permanent maxillary central incisor. Atkins CO Jr, et al. **Oral Surg Oral Med Oral Pathol** 1986 Feb;61(2):146–8

THERAPY

Bilateral fusion of the maxillary central incisors to supernumerary teeth: report of case. Stillwell KD, et al. **J Am Dent Assoc** 1986 Jan;112(1):62–4

TOOTH SUPPORTING STRUCTURES see **PERIODONTIUM**

TOOTH, UNERUPTED

see related
TOOTH, IMPACTED

Bond strength of orthodontic attachments to enamel from unerupted and erupted young permanent teeth. Oliver RG. **Eur J Orthod** 1986 May;8(2):123–6
[Late mineralization of premolars in relation to orthodontic diagnosis and therapy] Kahl B, et al. **Fortschr Kieferorthop** 1986 Jun;47(3):234–44 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

[Morphological and functional changes in the dental sac of unerupted teeth and their practical significance] Nespriad'ko VP. **Stomatologiia (Mosk)** 1986 Jan-Feb; 65(1):6–9 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Another aggressive unerupted second premolar [letter] Oliver RG. **Br J Orthod** 1986 Jan;13(1):61–2

ETIOLOGY

Unerupted second primary molar positioned inferior to the second premolar: clinical report. Tsukamoto S, et al. **ASDC J Dent Child** 1986 Jan-Feb;53(1):67–9

PATHOLOGY

An interesting presentation of a complex-compound odontome. Smith GC. **Aust Dent J** 1985 Aug;30(4):265–7

RADIOGRAPHY

Unerupted and ectopic mandibular premolars. Loh HS, et al. **Oral Surg Oral Med Oral Pathol** 1986 Sep;62(3):358
[Secondary infra-occlusion of the 4 deciduous second molars] Bakody R, et al. **Fogorv Sz** 1986 Mar;79(3):75–6 **(Hun)**

SURGERY

The problems of treatment of early ankylosis: report of case. Maréchaux SC. **ASDC J Dent Child** 1986 Jan–Feb; 53(1):63–6

THERAPY

"How non–functional maxillary third molars can occasionally be made useful by allowing eruption." Sussman HI. **NY J Dent** 1986 Mar;56(2):48–50

[Isolated delayed eruption: management] Guyomard F. **Orthod Fr** 1983;54(2):417–23 (Fre)

[Use of incompletely erupted and malpositioned wisdom teeth in prosthetics] Kozhokaru MP, et al. **Stomatologiia (Mosk)** 1985 Jul–Aug;64(4):53–4 (Eng. Abstr.) (Rus)

[Combined treatment of maxillodental anomalies combined with retained teeth in children] Shul'kina NM, et al. **Stomatologiia (Mosk)** 1985 Nov–Dec;64(6):33–4 (Eng. Abstr.) (Rus)

TRANSPLANTATION

[Orthodontic and surgical treatment of unerupted teeth] Gay Escoda C, et al. **An Otorrinolaringol Ibero Am** 1986; 13(3):245–55 (Eng. Abstr.) (Spa)

ULTRASTRUCTURE

Measurement of the permeability of dental enamel and its variation with depth using an electrochemical method. Hoppenbrouwers PM, et al. **J Dent Res** 1986 Feb; 65(2):154–7

TOOTH, WISDOM see **MOLAR, THIRD**

TOOTHACHE

DRUG THERAPY

The analgesic effects of aspirin and placebo on experimentally induced tooth pulp pain. Lee MH, et al. **J Med** 1985; 16(4):417–28

[Clinical evaluation of the efficacy of suprofen as an analgesic compared to acetylsalicylic acid in toothache] Giacone E, et al. **Minerva Stomatol** 1986 Jun;35(6):667–72 (Eng. Abstr.) (Ita)

ETIOLOGY

Does osteomalacia contribute to development of oral complications of oxalosis? Boyce BF, et al. **Oral Surg Oral Med Oral Pathol** 1986 Mar;61(3):272–7

[Meteorotopy of odontogenic pain states] Kociok M, et al. **Z Gesamte Hyg** 1986 May;32(5):328–31 (Eng. Abstr.) (Ger)

[Endodontics: the painful periapical reaction. A study of 256 cases] Re G, et al. **Minerva Stomatol** 1986 Apr;35(4):303–5 (Eng. Abstr.) (Ita)

OCCURRENCE

Incidence of pain conditions in dental practice in a Danish county. Sindet–Pedersen S, et al. **Community Dent Oral Epidemiol** 1985 Aug;13(4):244–6

PATHOLOGY

Pheochromocytoma: case report and review of diagnosis and treatment. Albert TW, et al. **J Oral Maxillofac Surg** 1986 Aug;44(8):657–60

PHYSIOPATHOLOGY

Modification of dental pain and cutaneous thermal sensitivity by physical exercise in man. Kemppainen P, et al. **Brain Res** 1985 Dec 23;360(1–2):33–40

Influence of changes of tooth temperature on reflex and central activity evoked by stimulation of tooth pulp afferents. Rydenhag B, et al. **Brain Res** 1986 Mar 5; 367(1–2):337–40

Severeness of toothache and other symptoms as a function of frequency of occurrence and intensity. Verhey JG, et al. **Community Dent Oral Epidemiol** 1986 Jun;14(3):142–5

PREVENTION & CONTROL

Electroacupuncture increases ipsilaterally tooth pain threshold in man. Yukizaki H, et al. **Am J Chin Med** 1986; 14(1–2):68–72

THERAPY

Pain control in flare–up cases [letter] Bolanos OR. **Int J Psychosom** 1986;33(2):57–8

TOOTHBRUSHING

The effect of abrasion on corrosion of dental Co–Cr alloys. An in vitro study. de Melo JF, et al. **Acta Odontol Scand** 1985 May;43(2):69–73

Tissue reaction following application of extrusive and intrusive forces to teeth in adult monkeys. Melsen B. **Am J Orthod** 1986 Jun;89(6):469–75

Toothbrush resistance and fluoride retention of sound, etched, fluoridated, and remineralized bovine enamel. Valk JW, et al. **Am J Orthod** 1986 Apr;89(4):298–301

Toothbrushing and transient bacteremia in patients undergoing orthodontic treatment. Chung A, et al. **Am J Orthod Dentofacial Orthop** 1986 Sep;90(3):181–6

An alternative approach to the oral hygiene of mentally handicapped children. Manley MC. **Community Dent Health** 1985 Dec;2(4):267–75

Comparison of dental prophylaxis and toothbrushing prior to topical APF applications. Bijella MF, et al. **Community Dent Oral Epidemiol** 1985 Aug;13(4):208–11

Clinical results of the application of the toothpaste "Marina" in children with catarrhal gingivitis. Encheva R, et al. **Folia Med (Plovdiv)** 1985;27(2):57–60

Guidelines to oral hygiene: toothbrushes, toothbrushing, dentifrices and abrasivity. Fédération Dentaire Internationale. Technical Report No. 23. **Int Dent J** 1985 Sep;35(3):256–7

Artificial periodontal defects and frequency of tooth brushing in beagle dogs (II). Clinical findings after a period of healing. Corba NH, et al. **J Clin Periodontol** 1986 Mar; 13(3):186–9

Artificial periodontal defects and frequency of tooth brushing in beagle dogs (I). Clinical findings after creation of the defects. Corba NH, et al. **J Clin Periodontol** 1986 Feb; 13(2):158–63

Effectiveness of children's habitual toothbrushing. Honkala E, et al. **J Clin Periodontol** 1986 Jan;13(1):81–5

Experimental gingivitis and frequency of tooth brushing in the beagle dog model. Clinical findings. Tromp JA, et al. **J Clin Periodontol** 1986 Mar;13(3):190–4

Gingival health and frequency of tooth brushing in the beagle dog model. Clinical findings. Tromp JA, et al. **J Clin Periodontol** 1986 Feb;13(2):164–8

[Interexaminer agreement in plaque measurements with the toothbrushing PI] Hefti AF, et al. **Schweiz Monatsschr Zahnmed** 1986 Apr;96(4):640–6 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

The occurrence of gingival brushing lesions during 3 phases of the menstrual cycle. Niemi ML, et al. **J Clin Periodontol** 1986 Jan;13(1):27–32

Unusual pharyngeal perforation. Rothman D. **J Med Soc NJ** 1985 Aug;82(8):671–3

INSTRUMENTATION

A toothbrush for patients with impaired manual dexterity. Arblaster DG, et al. **Br Dent J** 1985 Oct 5;159(7):219–20

'A toothbrush for patients with impaired manual dexterity' [letter] Barsby MJ. **Br Dent J** 1985 Nov 23;159(10):318

'A toothbrush for patients with impaired manual dexterity' [letter] Paul JE. **Br Dent J** 1986 Feb 22;160(4):114

The effectiveness of a rotary electric toothbrush on oral cleanliness in adults. Glavind L, et al. **J Clin Periodontol** 1986 Feb;13(2):135–8

Toothbrush age and wear as it relates to plaque control. Glaze PM, et al. **J Clin Periodontol** 1986 Jan;13(1):52–6

Pilot study: a digital toothbrushing technique for field use. Goho C. **Milit Med** 1986 Apr;151(4):227–9

METHODS

[The effect of the duration of toothbrushing on plaque reduction] Huber B, et al. **Schweiz Monatsschr Zahnmed** 1985 Oct;95(10):985–92 (Eng. Abstr.) (Ger)

TOOTHPASTE see under **DENTIFRICES**

TOPECTOMY see **PSYCHOSURGERY**

TORPEDO

ANATOMY & HISTOLOGY

Evidence for a polarity in the distribution of proteins from the cytoskeleton in Torpedo marmorata electrocytes. Kordeli E, et al. **J Cell Biol** 1986 Mar;102(3):748–61

Torpedo electromotor system development: neuronal cell death and electric organ development in the fourth branchial arch. Fox GQ, et al. **J Comp Neurol** 1985 Jun 8;236(2):274–81

[Observations on the teeth of Torpedo marmorata] Aloj Totaro E, et al. **Boll Soc Ital Biol Sper** 1985 Jun 30; 61(6):925–31 (Eng. Abstr.) (Ita)

GENETICS

A physiological study on acetylcholine receptor expressed in Xenopus oocytes from cloned cDNAs. Takahashi T, et al. **J Physiol (Paris)** 1985;80(4):229–32

IMMUNOLOGY

Identification of a synaptic vesicle antigen (Mr 86,000) conserved between Torpedo and rat. Walker JH, et al. **J Neurochem** 1986 Mar;46(3):875–81

METABOLISM

Stimulation of protein methylase II from Torpedo marmorata by cholinergic effectors. Nuske JH. **Biochim Biophys Acta** 1986 Jan 16;854(1):124–32

Primary structure of the beta–subunit of Torpedo californica (Na+ + K+)–ATPase deduced from the cDNA sequence. Noguchi S, et al. **FEBS Lett** 1986 Feb 17;196(2):315–20

An elasmobranchian somatostatin: primary structure and tissue distribution in Torpedo marmorata. Conlon JM, et al. **Gen Comp Endocrinol** 1985 Dec;60(3):406–13

Primary structure of glucagon from an elasmobranchian fish. Torpedo marmorata. Conlon JM, et al. **Gen Comp Endocrinol** 1985 Dec;60(3):398–405

Labeling of functionally sensitive sulfhydryl–containing domains of acetylcholine receptor from Torpedo californica membranes. Clarke JH, et al. **J Biol Chem** 1986 Aug 5;261(22):10063–72

Aggregating factor from Torpedo electric organ induces patches containing acetylcholine receptors, acetylcholinesterase, and butyrylcholinesterase on cultured myotubes. Wallace BG. **J Cell Biol** 1986 Mar;102(3):783–94

Presence of vasoactive intestinal polypeptide–like immunoreactivity in the cholinergic electromotor system of Torpedo marmorata. Agoston DV, et al. **J Neurochem** 1986 Aug;47(2):445–53

Uncoupling of cholinergic synaptic vesicles by the presynaptic toxin beta–bungarotoxin. Anderson DC, et al. **J Neurochem** 1986 Oct;47(4):1305–11

Stoichiometries of acetylcholine uptake, release, and drug inhibition in Torpedo synaptic vesicles: heterogeneity in acetylcholine transport and storage. Anderson DC, et al. **J Neurochem** 1986 Apr;46(4):1207–13

Acetylcholine transport and drug inhibition kinetics in Torpedo synaptic vesicles. Bahr BA, et al. **J Neurochem** 1986 Apr;46(4):1214–8

Incorporation of acetate into acetylcholine, acetylcarnitine, and amino acids in the Torpedo electric organ. Corthay J, et al. **J Neurochem** 1985 Dec;45(6):1809–19

Pitfalls in the assay of cyclic AMP–dependent protein kinase activity in microsacs from Torpedo marmorata. Eriksson H, et al. **J Neurochem** 1986 Oct;47(4):1127–31

Ectonucleotidase activities associated with cholinergic synaptosomes isolated from Torpedo electric organ. Grondal EJ, et al. **J Neurochem** 1986 Sep;47(3):871–81

Selectivity and regulation in the phospholipase A2–mediated attack on cholinergic synaptic vesicles by beta–bungarotoxin. Noremberg K, et al. **J Neurochem** 1986 Oct;47(4):1312–7

PHYSIOLOGY

Inactivation of acetylcholine release from Torpedo synaptosomes in response to prolonged depolarizations. Birman S, et al. **J Physiol (Lond)** 1985 Nov;368:293–307

Demonstration of a receptor in Torpedo synaptic vesicles for the acetylcholine storage blocker L–trans–2–(4–phenyl[3,4–3H]–piperidino) cyclohexanol. Bahr BA, et al. **Proc Natl Acad Sci USA** 1986 Apr; 83(7):2267–70

TORSADE DE POINTES see **TACHYCARDIA**

TORSION DYSTONIA see **DYSTONIA MUSCULORUM DEFORMANS**

TORTICOLLIS

Spontaneous remissions in spasmodic torticollis. Friedman A, et al. **Neurology** 1986 Mar;36(3):398–400

CHEMICALLY INDUCED

Prenatal exposure to the fungicide dinocap causes behavioral torticollis, ballooning and cleft palate in mice, but not rats or hamsters. Gray LE Jr, et al. **Teratogenesis Carcinog Mutagen** 1986;6(1):33–43

COMPLICATIONS

Unilateral epicanthal fold: diagnostic significance. Jones MC. **J Pediatr** 1986 May;108(5 Pt 1):702–4

[Torticollis and its effects of nystagmus suppression] Obtsuki H, et al. **Nippon Ganka Gakkai Zasshi** 1985 Nov; 89(11):1188–97 (Eng. Abstr.) (Jpn)

CONGENITAL

Mandibular asymmetry associated with congenital muscular torticollis. Keller EE, et al. **Oral Surg Oral Med Oral Pathol** 1986 Mar;61(3):216–20

DIAGNOSIS

[Spasmodic torticollis. A study of symptoms, course, family history and psychopathology] Naber D, et al. **Nervenarzt** 1986 Apr;57(4):238–43 (Ger)

DRUG THERAPY

Infiltration of a neuromuscular relaxant in diagnosis and treatment of torticollis. Cremonesi E, et al. **Anesth Analg** 1986 Oct;65(10):1077–8

A pilot study on the use of botulinum toxin in spasmodic torticollis. Tsui JK, et al. **Can J Neurol Sci** 1985 Nov; 12(4):314–6

Nitrous oxide ameliorates spasmodic torticollis. Gillman MA, et al. **Eur Neurol** 1985;24(5):292–3

Double–blind study of botulinum toxin in spasmodic torticollis. Tsui JK, et al. **Lancet** 1986 Aug 2;2(8501):245–7

[Phenomenon of inverted rotation in spastic torticollis] Orlova OR, et al. **Zh Nevropatol Psikhiatr** 1986; 86(3):348–51 (Eng. Abstr.) (Rus)

ETIOLOGY

Spasmodic torticollis and neurovascular compression [letter] Dyck P. J Neurosurg 1986 Apr;64(4):686–7
Spasmodic torticollis due to neurovascular compression of the 11th nerve. Case report. Pagni CA, et al. J Neurosurg 1985 Nov;63(5):789–91
An unusual case of torticollis. Robb JE, et al. J Pediatr Orthop 1986 Jul–Aug;6(4):469
Ocular torticollis. Rubin SE, et al. Surv Ophthalmol 1986 May–Jun;30(6):366–76 (97 ref.)
[Nasopharyngeal torticollis (Grisel's syndrome)] Paping RH, et al. Ned Tijdschr Geneeskd 1985 Sep 14;129(37):1787–9 (Eng. Abstr.) (Dut)
[Retropharyngeal abscess as a cause of acute cervical syndrome] Stevanovic L, et al. Schweiz Rundsch Med Prax 1986 May 13;75(20):585–9 (Eng. Abstr.) (Ger)
[Etiology, pathogenesis, clinical picture and treatment of spastic torticollis and other extrapyramidal hyperkinesis] Komandenko NI, et al. Zh Nevropatol Psikhiatr 1985; 85(12):1783–6 (Eng. Abstr.) (Rus)

FAMILIAL & GENETIC

Familial congenital muscular torticollis: case report and review of the literature. Thompson F, et al. Clin Orthop 1986 Jan;(202):193–6

METABOLISM

PET studies of cerebral glucose metabolism in idiopathic torticollis. Stoessl AJ, et al. Neurology 1986 May; 36(5):653–7

PHYSIOPATHOLOGY

Spasmodic head movements produced by destruction of unilateral ventromedial tegmentum in cats. Mori K, et al. Appl Neurophysiol 1985;48(1–6):347–50
Idiopathic spasmodic torticollis: pathophysiology and treatment. Gauthier S. Can J Neurol Sci 1986 May; 13(2):88–90 (22 ref.)
A study of multimodality evoked responses in idiopathic spasmodic torticollis. Narayan TM, et al. Electroencephalogr Clin Neurophysiol 1986 Mar; 63(3):239–41
Vestibular involvement in spasmodic torticollis. Bronstein AM, et al. J Neurol Neurosurg Psychiatry 1986 Mar; 49(3):290–5

PSYCHOLOGY

[Effect of emotional factors on the occurrence of idiopathic spasmodic torticollis] Rentrop E, et al. Z Psychosom Med Psychoanal 1986;32(1):44–59 (Eng. Abstr.) (Ger)

RADIOGRAPHY

[Diagnostic value of roentgenologic study methods in idiopathic spasmodic torticollis] Rentrop E. Z Orthop 1986 May–Jun;124(3):293–5 (Eng. Abstr.) (Ger)

SURGERY

Idiopathic muscular torticollis in adults. Results of open sternocleidomastoid tenotomy. Ippolito E, et al. Arch Orthop Trauma Surg 1986;105(1):49–54
Torticollis in children caused by congenital anomalies of the atlas. Dubousset J. J Bone Joint Surg [Am] 1986 Feb; 68(2):178–88
Observations on the innervation of the sternomastoid muscle. Hayward R. J Neurol Neurosurg Psychiatry 1986 Aug; 49(8):951–3
[Surgical treatment of muscular torticollis. Late results of sternocleido-mastoid myotenotomy] Weeth R, et al. Ugeskr Laeger 1985 Dec 9;147(50):4108–10 (Eng. Abstr.) (Dan)
[Results of the operative treatment of torticollis] Stein V, et al. Beitr Orthop Traumatol 1985 Sep;32(9):451–4 (Eng. Abstr.) (Ger)
[Electric activity of neurons of nuclear structures from the human midbrain during stereotaxic surgical interventions] Raeva SN. Dokl Akad Nauk SSSR 1985;285(6):1500–3 (Rus)
[Stereotaxic destruction of the interstitial nucleus of Cajal on spastic torticollis] Vasin Nia, et al. Zh Vopr Neirokhir 1985 Jul–Aug;(4):3–7 (Eng. Abstr.) (Rus)

THERAPY

Bipolar spinal cord stimulation for spasmodic torticollis. Dieckmann G, et al. Appl Neurophysiol 1985; 48(1–6):339–46
Spinal cord stimulation in the treatment of spasmodic torticollis. Waltz JM, et al. Appl Neurophysiol 1985; 48(1–6):324–38
Management of spasmodic torticollis. Colbassani HJ Jr, et al. Surg Neurol 1986 Feb;25(2):153–8
[Long-term follow-up study of spasmodic torticollis] Namba S, et al. No To Shinkei 1986 Feb;38(2):121–8 (Eng. Abstr.) (Jpn)
[Various aspects of the treatment of acute torticollis] Palmaj J. Bratisl Lek Listy 1985 Nov;84(5):589–93 (Eng. Abstr.) (Slo)

VETERINARY

Torticollis in goats [letter] Dickson J, et al. Vet Rec 1986 Feb 8;119(6):162–3
[Torticollis in the rabbit: etiology, pathology, diagnosis and therapy] Kunstýř I, et al. Berl Munch Tierarztl Wochenschr 1986 Jan 1;99(1):14–9 (Eng. Abstr.) (Ger)

TORTURE

Doctors and torture [editorial] Havard JD. Br Med J [Clin Res] 1986 Jan 11;292(6513):76–7
Psychical and physical symptoms after torture. A prospective controlled study. Petersen HD, et al. Forensic Sci Int 1985 Nov–Dec;29(3–4):179–89
Violation of human rights and the nursing profession. Tornbjerg A, et al. Int Nurs Rev 1986 Jan–Feb;33(1):6–8
The AMA and torture [letter] JAMA 1986 Aug 22–29; 256(8):998–9
Uruguay's military physicians. Cogs in a system of state terror. Bloche MG. JAMA 1986 May 23–30; 255(20):2788–93
New center for torture victims seeks to aid the politically abused [news] Goldsmith MF. JAMA 1986 May 23–30; 255(20):2717–8
Toward the prevention of torture [editorial] Knoll E, et al. JAMA 1986 Jun 13;255(22):3157–8
A question of conscience. Physicians in defense of human rights. Nightingale EO, et al. JAMA 1986 May 23–30; 255(20):2794–7
Medical ethics and the issue of torture [editorial] Sammons JH. JAMA 1986 May 23–30;255(20):2798–800
Medicine and South Africa [letter] Birnstingl M, et al. Lancet 1986 Jan 25;1(8474):217
Torture in Chile [letter] Cruz-Coke R. Lancet 1985 Nov 2; 2(8462):1015
Persecution of doctors in Iran. Ronaghy. Lancet 1986 Aug 30;2(8505):518
The Steve Biko affair. Taitz J. Med Leg J 1986;54 (Pt 2):119–30
The medical profession and the prevention of torture [letter] Cook-Deegan R. N Engl J Med 1986 Feb 27;314(9):587
The fate of Anatoly Koryagin [letter] Miles SH. N Engl J Med 1985 Dec 19;313(25):1605–6
The medical profession and the prevention of torture. Stover E, et al. N Engl J Med 1985 Oct 24;313(17):1102–4
Chilean physicians. Campaign against torture grows [news] Beardsley T. Nature 1986 Jun 5–11;321(6070):551
[Sclerosing of the calcaneus following phalanga torture] Meier J, et al. Ugeskr Laeger 1985 Dec 16;147(51):4206–7 (Eng. Abstr.) (Dan)
[The RCT—the international rehabilitation and research center for torture victims. A presentation] Nielsen IL, et al. Ugeskr Laeger 1985 Jul 22;147(30):2407–12 (Eng. Abstr.) (Dan)

TORULA see **CRYPTOCOCCUS**

TORULOPSIS see **CANDIDA**

TORULOSIS see **CRYPTOCOCCOSIS**

TOSYL COMPOUNDS

CHEMICAL SYNTHESIS

Reaction of N,N-disubstituted alpha-aminomethyleneketones with tosyl isocyanate. Synthesis of amino-disubstituted 2-acyl-3-amino-N-tosylpropenamides, N,N-(3-amino-1-alkyl-2-propenylidene) and N,N-[2-(aminomethylene)cyclohexylidene]tosylamides. Romussi G, et al. Farmaco [Sci] 1986 Jul;41(7):539–47

DIAGNOSTIC USE

The reliability of the use of para toluene sulfonic acid for simultaneous hydrolysis and quantitation of both N-acetyl-glucosamine and amino acids in human transferrins. van Eijk HG, et al. Clin Chim Acta 1986 Jun 30;157(3):305–9

TOSYLARGININE METHYL ESTER see under **ARGININE**

TOSYLLYSINE CHLOROMETHYL KETONE see under **AMINO ACID CHLOROMETHYL KETONES**

TOSYLPHENYLALANYL CHLOROMETHYL KETONE see under **AMINO ACID CHLOROMETHYL KETONES**

TOTAL BODY IRRADIATION see **WHOLE BODY IRRADIATION**

TOTAL LUNG CAPACITY see under **LUNG VOLUME MEASUREMENTS**

TOTAL PARENTERAL NUTRITION see **PARENTERAL HYPERALIMENTATION**

TOUCH

A method of testing contact placing reaction in the cat. Czarkowska J, et al. Acta Neurobiol Exp (Warsz) 1985; 45(3–4):119–24
The role of touch in healing and hypnotherapy. Levitan AA, et al. Am J Clin Hypn 1986 Apr;28(4):218–23
The development of a touch scale for measuring tactile defensiveness in children. Royeen CB. Am J Occup Ther 1986 Jun;40(6):414–9
Domain specifications of the construct tactile defensiveness. Royeen CB. Am J Occup Ther 1985 Sep;39(9):596–9
Tactile hearing aids may enhance cortical connections [letter] Richardson BL. Br J Audiol 1986 May;20(2):173–4
The development and evaluation of a tactile vocoder for the profoundly deaf. Brooks PL, et al. Can J Public Health 1986 May–Jun;77 Suppl 1:108–13
The TacVi technique: a tactile-visual method for exploring the self-concept of preschool children. Rodriguez-Andrew S, et al. Child Welfare 1986 May–Jun;65(3):305–11
Dependence of tactile stimulus interpretation on receptive field orientation. Gurfinkel' VS, et al. Hum Physiol 1985 Jan–Feb;11(1):1–4
The development of an observation schedule for measuring nurse-patient touch, using an ergonomic approach. Porter L, et al. Int J Nurs Stud 1986;23(1):11–20
Child and adult vibrotactile thresholds for sinusoidal and pulsatile stimuli. Bernstein LE, et al. J Acoust Soc Am 1986 Jul;80(1):118–23
Vibrotactile perception of suprasegmental features of speech: a comparison of single-channel and multichannel instruments. Carney AE, et al. J Acoust Soc Am 1986 Jan; 79(1):131–40
Aspects of size, shape and texture in touch: redundancy and interference in children's discrimination of raised dot patterns. Millar S. J Child Psychol Psychiatry 1986 May; 27(3):367–81
Left-right comparison and children's performance on sensorimotor tests. Zung BJ. J Clin Psychol 1985 Nov; 41(6):788–95
Vibrotactile frequency discrimination at short durations. Cohen B, et al. J Gen Psychol 1986 Apr;113(2):179–86
Lateral cradling preferences in men and women: results from a photographic study. Harris LJ, et al. J Gen Psychol 1985 Apr;112(2):185–9
Vibrotactile frequency recognition: forward and backward masking effects. Kirman JH. J Gen Psychol 1986 Apr; 113(2):147–58
A new tactile illusion: temporal limits on the processing of spatiotemporal patterns. Kirman JH, et al. J Gen Psychol 1985 Jul;112(3):243–59
Cognitive reliability of the sense of touch confronted with the thinning effect. Velinsky SJ. J Gen Psychol 1985 Oct; 112(4):337–42
The influence of temporal and spatial variation on tactile identification of letters. Zakay D, et al. J Gen Psychol 1985 Apr;112(2):147–52
The effect of touch on nutritional intake of chronic organic brain syndrome patients. Eaton M, et al. J Gerontol 1986 Sep;41(5):611–6
Effects of tactile stimulation on premature infant weight gain. Nelson D, et al. J Obstet Gynecol Neonatal Nurs 1986 May–Jun;15(3):262–7
Lipreading with tactile supplements. Boothroyd A, et al. J Rehabil Res Dev 1986 Jan;23(1):139–46
Continuing evaluation of the Queen's University tactile vocoder II: Identification of open set sentences and tracking narrative. Brooks PL, et al. J Rehabil Res Dev 1986 Jan;23(1):129–38
Continuing evaluation of the Queen's University tactile vocoder. I: Identification of open set words. Brooks PL, et al. J Rehabil Res Dev 1986 Jan;23(1):119–28
Tracking skill of a deaf person with long-term tactile aid experience: a case study. Cholewiak RW, et al. J Rehabil Res Dev 1986 Apr;23(2):20–6
Vibrotactile stimulation: case study with a profoundly deaf child. Geers AE. J Rehabil Res Dev 1986 Jan;23(1):111–7
Categorical perception of speech sounds via the tactile mode. Collins MJ, et al. J Speech Hear Res 1985 Dec;28(4):594–8
Threshold and suprathreshold correlations for the oral tactile sensory mechanism. Fucci D, et al. J Speech Hear Res 1985 Sep;28(3):331–5
Tactual-kinesthetic matching of horizontal extents by the long-term blind: absence or reversal of normal left-side underestimation. Bradshaw JL, et al. Neuropsychologia 1986;24(2):261–4
Hemispheric asymmetries in a tactile bisection task: effects of hemispace of presentation. Hatta T, et al. Neuropsychologia 1986;24(2):265–9
Effects of therapeutic touch on tension headache pain. Keller E, et al. Nurs Res 1986 Mar–Apr;35(2):101–6
Touch me and see. Smith DB. NZ Dent J 1986 Apr; 82(368):39–42
Tactile/kinesthetic stimulation effects on preterm neonates. Field TM, et al. Pediatrics 1986 May;77(5):654–8
Effects of cognition on the psychophysical function. Centa DM, et al. Percept Mot Skills 1985 Oct;61(2):407–11
Sex differences in categorization of tactile stimuli. Cohen H, et al. Percept Mot Skills 1986 Aug;63(1):83–6
Effect of magnification on texture perception. Heller MA. Percept Mot Skills 1985 Dec;61(3 Pt 2):1242
A psychometric study of developmental changes in stereognostic ability. Heydorn BL. Percept Mot Skills 1985 Dec;61(3 Pt 2):1206
Tactile perceptual task and field dependence-independence. Manning-Melean L, et al. Percept Mot Skills 1985 Oct;

61(2):503–6
Reaction to cutaneous (tickle) and sexual pleasure by normal and dermapathic subjects. Ruggieri V, et al. **Percept Mot Skills** 1985 Dec;61(3 Pt 1):903–10
Cognitive-academic correlates of finger localization in right-handed kindergarten girls. Zung BJ. **Percept Mot Skills** 1986 Feb;62(1):227–34
Effect of modality-specific experience on visual and haptic judgment of orientation. Appelle S, et al. **Perception** 1985; 14(6):763–73
Tactual perception of embossed Morse code and braille: the alliance of vision and touch. Heller MA. **Perception** 1985; 14(5):563–70
The perception of complex patterns by touch. Millar S. **Perception** 1985;14(3):293–303
Stroop interference based on the multimodal correlates of haptic size and auditory pitch. Walker P, et al. **Perception** 1985;14(6):729–36
Tumour of Wagner-Meissner touch corpuscles. Wagner-Meissner neurilemmoma. Kaiserling E, et al. **Virchows Arch [A]** 1986;409(2):241–50
[Modified holding therapy. A basic therapy in the treatment of autistic children] Rohmann UH, et al. **Z Kinder Jugendpsychiatr** 1985;13(3):182–98 (Eng. Abstr.) **(Ger)**
[Pattern recognition by scanning stimulation through vision and skin sensation] Kume Y, et al. **Iyodenshi To Seitai Kogaku** 1985 Apr;23(2):122–5 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Reduced responsiveness of touch (SA I) receptors in the cat following close arterial infusion of neomycin. Baumann KI, et al. **Brain Res** 1986 Jul 2;377(1):160–2
Bicuculline-induced alterations in neuronal responses to controlled tactile stimuli in the second somatosensory cortex of the cat: a microiontophoretic study. Alloway KD, et al. **Somatosens Res** 1986;3(3):197–211

PHYSIOLOGY

Effects of training on human tracking of electrocutaneous signals. Szeto AY, et al. **Ann Biomed Eng** 1986;14(4):369–81
Effects of pressure stimulation of the body surface on placing reactions. Gahéry Y, et al. **Arch Ital Biol** 1986 Feb; 124(1):65–72
Vibrotactile performance by normal and hearing-impaired subjects using two commercially available vibrators. Donahue AM, et al. **Audiology** 1985;24(5):362–73
A tactile fovea in the Scolopacidae? Pettigrew JD, et al. **Brain Behav Evol** 1985;26(3–4):105–95
Tactile perception and the right hemisphere: a masculine superiority for imagery coding. Lenhart RE, et al. **Brain Cogn** 1983 Jul;2(3):224–32
Dichhaptic laterality and field dependence. Weener P, et al. **Brain Cogn** 1982 Jul;1(3):323–30
Excitation of dorsal column nucleus neurons by air-jet moving across the skin. Castiglioni AJ, et al. **Brain Res** 1985 Nov 4;346(2):348–52
Spatial factors determine the activity of multisensory neurons in cat superior colliculus. Meredith MA, et al. **Brain Res** 1986 Feb 19;365(2):350–4
The response of single guard and down hair mechanoreceptors to moving air-jet stimulation. Ray RH, et al. **Brain Res** 1985 Nov 4;346(2):333–47
The skin, touch, and human development. Montagu A. **Clin Dermatol** 1984 Oct–Dec;2(4):17–26
Neonatal hemidecortication and bilateral cutaneous stimulation in rats. Schallert T, et al. **Dev Psychobiol** 1985 Nov;18(6):501–14
Influence of concurrent tactile stimulation on somatosensory evoked potentials following posterior tibial nerve stimulation in man. Kakigi R, et al. **Electroencephalogr Clin Neurophysiol** 1986 Mar; 65(2):118–29
Abolition of CA1 population spike by sensory stimulation. Herreras O, et al. **Exp Brain Res** 1986;61(3):654–7
Vibratory and tactile sense of the fingers after working with sanders. Verberk MM, et al. **Int Arch Occup Environ Health** 1985;56(3):217–23
Tactile localisation: the function of active antennal movements in the crayfish Cherax destructor. Zeil J, et al. **J Comp Physiol [A]** 1985 Nov;157(5):607–17
Use of a wheel aesthesiometer for testing sensibility in the hand. Results in patients with carpal tunnel syndrome. Marsh DR. **J Hand Surg [Br]** 1986 Jun;11(2):182–6
Effects of cooling somatosensory cortex on response properties of tactile cells in the superior colliculus. Clemo HR, et al. **J Neurophysiol** 1986 Jun;55(6):1352–68
Normal tactile threshold in monkeys with neglect. Watson RT, et al. **Neurology** 1986 May;36(5):636–40
Electrical stimulation in the measurement of cutaneous sensibility. Laitinen LV, et al. **Pain** 1985 Jun;22(2):139–50
Effects of exposure to psychophysical scaling on lingual vibrotactile magnitude estimation and magnitude production. Fucci D, et al. **Percept Mot Skills** 1986 Aug; 63(1):67–74
Effect of tourniquet-induced ischemia on magnitude scaling of tactile stimuli applied to the human hand. Pertovaara A, et al. **Percept Mot Skills** 1985 Oct;61(2):535–44
Differences in hemispheric functional asymmetry between athletes and nonathletes: evidence from a Unilateral Tactile Matching Task. Rossi B, et al. **Percept Mot Skills** 1986 Feb;62(1):295–300
Tactile stimulation inhibits locomotion produced by stimulation of the lateral hypothalamus in the anesthetized rat. Gross EA, et al. **Physiol Behav** 1986;37(4):549–54
Taste/tactile cue discriminations in taste-aversion learning following depletion of noradrenaline. Archer T, et al. **Scand J Psychol** 1986;27(1):39–51
Space, time and touch. Geldard FA, et al. **Sci Am** 1986 Jul; 255(1):90–5
Effects of spinal lesions on temporal resolution of cutaneous sensations. Vierck CJ Jr, et al. **Somatosens Res** 1985; 3(1):45–56
Dependence of subjective traverse length on velocity of moving tactile stimuli. Whitsel BL, et al. **Somatosens Res** 1986;3(3):185–96
[Somatosensory evoked potential and pain. I. Late cortical responses obtained at different levels of stimulation] Boulu P, et al. **Rev Electroencephalogr Neurophysiol Clin** 1985 Jul;15(1):19–25 (Eng. Abstr.) **(Fre)**
[Temporal parameters of human perception of tactile signals] Borodin AS, et al. **Fiziol Cheloveka** 1986 May–Jun; 12(3):407–13 **(Rus)**
[Features of tactile and pain sensitivity at acupuncture points] Tsirul'nikov EM, et al. **Fiziol Cheloveka** 1986 May–Jun; 12(3):414–9 **(Rus)**
[Relay levels of acoustic and tactile startle reflexes in the reticular formation of the cat] Gokin AP. **Neirofiziologiia** 1985;17(5):703–7 (Eng. Abstr.) **(Rus)**
[Current significance of the work of G. V. Gershuni on subsensory reactions] Kostandov EA. **Zh Vysh Nerv Deiat** 1985 Nov–Dec;35(6):1014–21 **(Rus)**

TOURNIQUETS

Experimental enhancement of drug uptake using short-term flow occlusion: a comparison of balloon and tourniquet techniques. Woods DM, et al. **AJR** 1986 Feb;146(2):375–80
Improved tube connectors for pneumatic tourniquets [letter] Hall RC, et al. **Anaesthesia** 1985 Nov;40(11):1132
Failure of the tourniquet-twitch test as a diagnostic or screening test for malignant hyperthermia. Britt BA, et al. **Anesth Analg** 1986 Oct;65(10):1047–50
Intravenous regional anesthesia: evaluation and prevention of leakage under the tourniquet. Grice SC, et al. **Anesthesiology** 1986 Sep;65(3):316–20
Wound closure strips to secure vascular tourniquet sutures [letter] Olinger GN, et al. **Ann Thorac Surg** 1986 Jul; 42(1):120
Blood levels and half-life of methylmethacrylate after tourniquet release during knee arthroplasty. Svartling N, et al. **Arch Orthop Trauma Surg** 1986;105(1):36–9
A comparative study of the tolerance of skeletal muscle to ischemia. Tourniquet application compared with acute compartment syndrome. Heppenstall RB, et al. **J Bone Joint Surg [Am]** 1986 Jul;68(6):820–8
A safe and effective low pressure tourniquet. A prospective evaluation. Newman RJ, et al. **J Bone Joint Surg [Br]** 1986 Aug;68(4):625–8
A quantitative method of determining the pneumatic ankle tourniquet setting. Diamond EL, et al. **J Foot Surg** 1985 Sep–Oct;24(5):330–4
A disposable pneumatic digital tourniquet. Tountas CP. **J Hand Surg [Am]** 1986 Jul;11(4):600–1
Reduction of blood loss using tourniquets and 'compression' dressings in excising limb burns. Rosenberg JL, et al. **J Trauma** 1986 Jan;26(1):47–50
Tourniquets and nosocomial methicillin-resistant Staphylococcus aureus infections [letter] Berman DS, et al. **N Engl J Med** 1986 Aug 21;315(8):514–5
Experience with external pneumatic calf compression in neurology and neurosurgery. Black PM, et al. **Neurosurgery** 1986 Apr;18(4):440–4
Effect of tourniquet-induced ischemia on magnitude scaling of tactile stimuli applied to the human hand. Pertovaara A, et al. **Percept Mot Skills** 1985 Oct;61(2):535–44
Partial splenectomy with a tourniquet of falciform ligament. Smoot RT, et al. **Surg Gynecol Obstet** 1986 Sep; 163(3):280–1
Tourniquet as hemostatic aid in repair of hypospadias. Redman JF. **Urology** 1986 Sep;28(3):241
[Use of an air tourniquet in operations on the extremities] Zhang XM. **Chung Hua Hu Li Tsa Chih** 1985 Oct; 20(5):275–7 **(Chi)**

ADVERSE EFFECTS

Systemic responses to tourniquet release in children. Lynn AM, et al. **Anesth Analg** 1986 Aug;65(8):865–72
Tourniquet shock in rats: effects of allopurinol on biochemical changes of the gastrocnemius muscle subjected to ischemia followed by reperfusion. Sáez JC, et al. **Biochem Med Metab Biol** 1986 Apr;35(2):199–209
Limb swelling after release of a tourniquet. Silver R, et al. **Clin Orthop** 1986 May;(206):86–9
Complications from tourniquet use. Palmer AK. **Hand Clin** 1986 May;2(2):301–5
Acute arterial occlusion secondary to the use of a pneumatic thigh tourniquet. A case report. Williams TA, et al. **J Am Podiatr Med Assoc** 1986 Aug;76(8):464–5
The digital tourniquet: how safe is it? Lubahn JD, et al. **J Hand Surg [Am]** 1985 Sep;10(5):664–9

STANDARDS

Evaluation of pneumatic tourniquet controllers. **J Med Eng Technol** 1985 Sep–Oct;9(5):231–9

TOXAPHENE see under **INSECTICIDES, ORGANOCHLORINE**

TOXASCARIASIS see under **ASCARIASIS**

TOXEMIA

see related
PREGNANCY TOXEMIAS

BLOOD

[Evaluation of thrombosis risk in severely burned patients at the stage of acute burn toxemia] Sokolovich GE, et al. **Klin Khir** 1986;(3):19–21 (Eng. Abstr.) **(Rus)**
[Blood middle-molecule peptides as neurotropic factors in acute burn toxemia] Val'tman BM, et al. **Patol Fiziol Eksp Ter** 1985 Nov–Dec;(6):39–42 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

[Clinico-laboratory evaluation of the toxemia syndrome in suppurative meningitis and meningoencephalitis] Gabrizlian NI, et al. **Klin Med (Mosk)** 1986 Mar;64(3):41–5 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Metabolic effects of glucagon in endotoxemic minipigs. Weingand KW, et al. **Circ Shock** 1986;18(4):289–300
[Intrinsic endotoxemia after massive hepatectomy—effect of intra-intestinal antibiotics] Akiyama M, et al. **Nippon Geka Gakkai Zasshi** 1986 Jul;87(7):737–42 (Eng. Abstr.) **(Jpn)**
[Detoxication with hemodes—a method of preventing secondary immunologic deficiency in patients with acute pneumonia] Shmelev EI, et al. **Probl Tuberk** 1986;(2):38–41 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

[Influences of an Angelica sinensis and Carthamus tinctorius mixture on serum lysosomal enzymes in rabbits with endotoxemia] Li XW, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1985 Sep;5(9):558–60, 516–7 (Eng. Abstr.) **(Chi)**

ETIOLOGY

[Toxemia in acute infectious diseases in young children] Cheburkin AV. **Pediatriia** 1986 Jan;(1):41–3 **(Rus)**

METABOLISM

Glycogen synthase and phosphorylase activities during glycogen repletion in endotoxemic rats. Buday AZ, et al. **Circ Shock** 1986;19(2):149–63
[Characteristics of various parameters of homeostasis in suppurative-septic complications of severe trauma] Deriabin II, et al. **Vestn Khir** 1985 Jul;135(7):70–3 (Eng. Abstr.) **(Rus)**
[Functional activity of liver microsomes and the state of the lipid peroxidation system during acute burn toxemia] Riabinin VE, et al. **Vopr Med Khim** 1986 May–Jun; 32(3):115–8 (Eng. Abstr.) **(Rus)**

PATHOLOGY

[Evaluation of the degree of poisoning of the body based on lymph] Stashchuk VF, et al. **Lab Delo** 1986;(1):15–8 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Regional blood flow during continuous low-dose endotoxin infusion. Fish RE, et al. **Circ Shock** 1986;18(4):267–75

PREVENTION & CONTROL

Effect on cardiopulmonary changes of gram-negative endotoxemia in sheep after type-specific, cross-reactive, and nonspecific immune stimulation. Girotti MJ, et al. **Circ Shock** 1986;18(3):171–8
[Hemosorption for prevention of the post-ischemic syndrome of the extremities] Vilianskil MP, et al. **Sov Med** 1986; (5):72–5 **(Rus)**

THERAPY

[Purification of lymph for reinfusion in controlled drainage of the thoracic duct] Shimanko II, et al. **Khirurgiia (Mosk)** 1986 May;(5):117–9 **(Rus)**
[The blood coagulation system during hemosorption in the treatment of patients with arteriosclerotic occlusions of the arteries of the lower extremities] Kazakov IuI, et al. **Klin Khir** 1986;(3):36–8 (Eng. Abstr.) **(Rus)**
[Hemosorption using an IGI sorbent coated with fibrin film in the treatment of middle-aged and elderly patients with acute surgical diseases] Shalonov PM. **Klin Khir** 1986; (3):31–4 (Eng. Abstr.) **(Rus)**
[Complications of hemosorption and the methods of their prevention] Genyk SN, et al. **Sov Med** 1986;(4):48–50 (30

ref.) (Rus)
[Exchange plasmapheresis in suppurative and destructive processes in the abdominal organs] Lobakov AI, et al. **Sov Med** 1986;(4):118–20 (Rus)
[Evaluation of the effectiveness of hyperbaric oxygenation in the complex detoxication therapy of patients with the most severe forms of peritonitis] Margulis MS, et al. **Vestn Khir** 1985 Nov;135(11):49–52 (Eng. Abstr.) (Rus)
[A new one-catheter system of hemosorption] Nakhimov EI, et al. **Vestn Khir** 1985 Oct;135(10):124–6 (Rus)
[Effect of hemosorption on blood coagulation system factors in patients with severe suppurative infection] Shimkevich LL, et al. **Vestn Khir** 1986 Apr;136(4):111–4 (Rus)
[Therapeutic plasmapheresis in acute burn toxemia] Sologub VK, et al. **Vestn Khir** 1986 Jun;136(6):127–32 (Eng. Abstr.) (Rus)
[Forced diuresis as a method of active detoxication of the body] Cox N. **Vrach Delo** 1985 Dec;(12):61–2 (Eng. Abstr.) (Rus)

URINE

[Prognostic criterion in evaluating the course of the postoperative period] Riabinin NA, et al. **Voen Med Zh** 1986 Jan;(1):51–2 (Rus)

TOXIC SHOCK SYNDROME see **SHOCK, SEPTIC**

TOXICODENDRON see **RHUS**

TOXICOLOGY

see related
POISONS

Advances in pediatric pharmacology and toxicology. Berlin CM Jr. **Adv Pediatr** 1985;32:589–618 (113 ref.)
Toxicology: an annotated bibliography of the recent literature. Litovitz TL, et al. **Am J Emerg Med** 1985 Nov; 3(6):581–7
Reference intervals for toxic metals: problems and prospects. Abraham J. Gitlitz memorial lecture. Grandjean P. **Ann Clin Lab Sci** 1986 Jan–Feb;16(1):67–74 (28 ref.)
Proceedings of the 1986 UAEM/IRIEM (University Association for Emergency Medicine/International Research Institute for Emergency Medicine) Research Symposium on Toxicology. **Ann Emerg Med** 1986 Sep; 15(9):988–1083
Current status of plasmapheresis in toxicology. Jones JS, et al. **Ann Emerg Med** 1986 Apr;15(4):474–82 (84 ref.)
Clinical industrial toxicology. An approach to information retrieval. Bresnitz EA, et al. **Ann Intern Med** 1985 Dec; 103(6 (Pt 1)):967–72
Modification and standardization of the culture of early postimplantation embryos for toxicological studies. Klug S, et al. **Arch Toxicol** 1985 Dec;58(2):84–8
A questionnaire assessing the involvement of toxicologists in metabolism and kinetics. Riess W. **Arch Toxicol [Suppl]** 1985;8:205–7
What is toxicology? A discussion of scientific developments in relation to practical needs. Aldridge WN. **Arh Hig Rada Toksikol** 1985 Mar;36(1):43–57
The role of pharmacokinetics in risk assessment. Reitz RH, et al. **Basic Life Sci** 1986;38:499–507
Biologically active intermediates generated by the reduced glutathione conjugation pathway. Toxicological implications. Igwe OJ. **Biochem Pharmacol** 1986 Sep 15; 35(18):2987–94
A general noninteractive multiple toxicity model including probit, logit, and Weibull transformations. Christensen ER, et al. **Biometrics** 1985 Sep;41(3):711–25
Does acute toxicity testing tell us anything useful? Methyl isocyanate as a test case [editorial] Salmon AG. **Br J Ind Med** 1985 Sep;42(9):577–8
A computer program in BASIC for determining probit and log-probit or logit correlation for toxicology and biology. Abou-Setta MM, et al. **Bull Environ Contam Toxicol** 1986 Feb;36(2):242–9
Mortality kinetics in toxicology studies. Boxenbaum H, et al. **Drug Metab Rev** 1985–86;16(3):321–62 (82 ref.)
Predicting toxicity through a computer automated structure evaluation program. Klopman G. **Environ Health Perspect** 1985 Sep;61:269–74
The molecular basis of chemical toxicity. McKinney JD. **Environ Health Perspect** 1985 Sep;61:5–10 (39 ref.)
Use of selected toxicology information resources in assessing relationships between chemical structure and biological activity. Wassom JS. **Environ Health Perspect** 1985 Sep; 61:287–94
Determinants of molecular reactivity as criteria for predicting toxicity: problems and approaches. Weinstein H, et al. **Environ Health Perspect** 1985 Sep;61:147–62 (84 ref.)
Toxicity modeling and prediction with pattern recognition. Wold S, et al. **Environ Health Perspect** 1985 Sep;61:257–68 (27 ref.)
Unpredictability: an essay in toxicology. Purchase IF. **Food Chem Toxicol** 1986 Apr;24(4):343–9 (27 ref.)
New mechanistic models for risk assessment. Chandler JL. **Fundam Appl Toxicol** 1985 Aug;5(4):634–52
The value of chronic animal toxicology studies of pharmaceutical compounds: A retrospective analysis. Lumley CE, et al. **Fundam Appl Toxicol** 1985 Dec;5(6 Pt 1):1007–24
Chick embryotoxicity screening test—130 substances tested. Jelinek R, et al. **Indian J Exp Biol** 1985 Oct;23(10):588–95
Results obtained in short-term experiments and their application prospects in prognosticating threshold levels of chronic exposure to chemical compounds. Sanotskii IV, et al. **J Hyg Epidemiol Microbiol Immunol** 1984; 29(3):227–33
Congress looks at the evidence. Robbins A, et al. **J Public Health Policy** 1985 Sep;6(3):335–9
Research resolves uncertainties of regulation [news] Glasbrenner K. **JAMA** 1985 Oct 25;254(16):2208–9
Units for therapeutic drug monitoring toxicology [letter] **Lancet** 1986 Apr 26;1(8487):979–80
Selecting gloves for handling toxic liquids involves several factors. Niles HM. **Occup Health Saf** 1985 Dec;55(12):34–6
Chemical mixture hazard evaluation differs from that of single substances. Polakoff PL. **Occup Health Saf** 1985 Sep; 54(9):55–6
Role of the toxicology laboratory in suspected ingestions. Hepler B, et al. **Pediatr Clin North Am** 1986 Apr; 33(2):245–60 (59 ref.)
Inconsistent use of terminology in animal developmental toxicology studies: a discussion. Black DL, et al. **Teratology** 1986 Jun;33(3):333–8
Cumulative subject and chemical indexes for Volumes 57–81, 1981–1985. **Toxicol Appl Pharmacol** 1985 Dec;81(3 Pt 2):S1–126
Microscopic evaluation of veterinary pathology slides [letter] Prasse K, et al. **Toxicol Appl Pharmacol** 1986 Mar 30; 83(1):184–5
Abstracts. Fourth International Congress of Toxicology. Tokyo, Japan, 21–25 July 1986. **Toxicol Lett** 1986;31 Suppl:1–261
The Pittsburgh Poison Center and its member hospital network. Dean BS, et al. **Vet Hum Toxicol** 1986 Feb; 28(1):66–7
TOXLINE—an information resource. McHale CG, et al. **Vet Hum Toxicol** 1986 Jun;28(3):237–9
A plan for identification of regional toxicology capabilities. Mrvos R, et al. **Vet Hum Toxicol** 1985 Oct;27(5):431–2
Toxicity studies with cellular models of differentiation. Neubert D. **Xenobiotica** 1985 Aug–Sep;15(8–9):649–60
[Problems in toxicology from the aspect of chemical safety] Svestka B, et al. **Cas Lek Cesk** 1986 Jan 31;125(5):129–33 (Eng. Abstr.) (Cze)
[Significance of toxicological examination in the practice of forensic medicine] Nagata T. **Fukuoka Igaku Zasshi** 1986 Mar;77(3):173–7 (Jpn)
[Experience in using the Toxicology specialized information retrieval system] Kurliandskii BA, et al. **Gig Sanit** 1986 Jan;(1):53–5 (Rus)
[Problems in clinical toxicology] Kulić R. **Srp Arh Celok Lek** 1985 Sep;113(9):825–32 (Eng. Abstr.) (Sec)
[Organization of the toxicology-chemistry laboratory] Toković B. **Srp Arh Celok Lek** 1985 Oct;113(10):925–34 (Eng. Abstr.) (Sec)
[Contribution of toxicology to the attainment of the goal of health for all in the year 2000] de Fernicola NA. **Bol Of Sanit Panam** 1985 Dec;99(6):586–93 (Eng. Abstr.) (Spa)

EDUCATION

[Education of health personnel in toxicology] Pejulković B, et al. **Srp Arh Celok Lek** 1985 Sep;113(9):819–24 (Eng. Abstr.) (Sec)

HISTORY

Toxicology information systems: a historical perspective. Kissman HM, et al. **J Chem Inf Comput Sci** 1985 Aug; 25(3):212–7 (74 ref.)

INSTRUMENTATION

Use of short, wide-bore capillary columns in GC toxicological screening. Bogusz M, et al. **J Anal Toxicol** 1986 Jul–Aug;10(4):135–8
An inhalational behavioral chamber. Pradhan SN, et al. **J Pharmacol Methods** 1986 Jun;15(3):189–99
A new generator for producing propylene oxide vapor in inhalation toxicity studies. Hori H, et al. **Sangyo Ika Daigaku Zasshi** 1986 Jun 1;8(2):169–76
[A modern information system for toxicologic analysis based on the (IV+V) system] Battista HJ, et al. **Z Rechtsmed** 1985;95(4):235–53 (Eng. Abstr.) (Ger)

METHODS

The use of graphic methods in working up multivariate data in toxicology. Nagel M, et al. **Acta Physiol Hung** 1985; 66(2):127–42
The 1984 Henry F. Smyth Jr. lecture. When one plus zero is more than one. Amdur MO. **Am Ind Hyg Assoc J** 1985 Sep;46(9):467–75
A critical review of time-weighted average as an index of exposure and dose, and of its key elements. Atherley G. **Am Ind Hyg Assoc J** 1985 Sep;46(9):481–7
Methodologies, findings, and implications of chemical carcinogenesis studies: their significance for hazard assessment (review). Toth B. **Anticancer Res** 1985 Sep–Oct; 5(5):457–69
A test procedure based on ranks for the statistical evaluation of toxicological studies. Lüdin E. **Arch Toxicol** 1985 Oct; 58(1):57–8
Theoretical aspects pertinent to the interpretation of concentration data. Riess W. **Arch Toxicol [Suppl]** 1985; 8:189–95
How to identify compounds posing problems in absorption, distribution and elimination. Schmid K. **Arch Toxicol [Suppl]** 1985;8:196–204
The hen's egg test (HET)—an alternative toxicity test. Lüpke NP. **Br J Dermatol** 1986 Aug;115 Suppl 31:133–5
Optimization of a toxicology program. Chamberlain RT. **Clin Biochem** 1986 Apr;19(2):122–6
Selection of test methods to assess ecological effects of mixed aerosols. Novak EW, et al. **Ecotoxicol Environ Safety** 1985 Dec;10(3):361–81
Comparison of the Microtox test with the 96-hr LC50 test for the harpacticoid Nitocra spinipes. Tarkpea M, et al. **Ecotoxicol Environ Safety** 1986 Apr;11(2):127–43
Effects of diet on toxicity testing. Omaye ST. **Fed Proc** 1986 Feb;45(2):133–5
The necessary minimal duration of final long-term toxicologic tests of drugs. Frederick GL. **Fundam Appl Toxicol** 1986 Apr;6(3):385–94 (28 ref.)
Charting a course for cell culture alternatives to animal testing. Goldberg L. **Fundam Appl Toxicol** 1986 May; 6(4):607–17 (102 ref.)
An in vitro approach to the study of target organ toxicity of drugs and chemicals. Acosta D, et al. **In Vitro Cell Dev Biol** 1985 Sep;21(9):495–504
Estimation of acute oral toxicity in rats by determination of the approximate lethal dose rather than the LD50. Kennedy GL Jr, et al. **J Appl Toxicol** 1986 Jun;6(3):145–8
Comparison of in vitro bacterial bioluminescence and tissue culture bioassays and in vivo tests for evaluating acute toxicity of biomaterials. Burton SA, et al. **J Biomed Mater Res** 1986 Jul–Aug;20(6):827–38
Comparison of extraction methods for methamphetamine and its metabolites in tissue. Inoue T, et al. **J Forensic Sci** 1986 Jul;31(3):1102–7
Strategies for determining the mechanisms of toxicity. Gillette J, et al. **J Toxicol Clin Toxicol** 1985;23(1):1–78 (134 ref.)
Guidelines for combining neoplasms for evaluation of rodent carcinogenesis studies. McConnell EE, et al. **JNCI** 1986 Feb;76(2):283–9
Neurobehavioral tests used in NIOSH-supported worksite studies, 1973–1983. Anger WK. **Neurobehav Toxicol Teratol** 1985 Jul–Aug;7(4):359–68
Epidemiologic issues in neurotoxicity research. Baker EL Jr. **Neurobehav Toxicol Teratol** 1985 Jul–Aug;7(4):293–7
An approach to brief field testing for neurotoxicity. Eckerman DA, et al. **Neurobehav Toxicol Teratol** 1985 Jul–Aug;7(4):387–93
The late positive component of the evoked cortical potential: application to neurotoxicity testing. Harbin TJ. **Neurobehav Toxicol Teratol** 1985 Jul–Aug;7(4):339–44 (50 ref.)
Psychophysical testing in human populations exposed to neurotoxicants. Maurissen JP. **Neurobehav Toxicol Teratol** 1985 Jul–Aug;7(4):309–17 (215 ref.)
Validation of a developmental swimming test using Swiss Webster mice perinatally treated with methimazole. Rice SA, et al. **Neurobehav Toxicol Teratol** 1986 Jan–Feb; 8(1):69–75
Behavioral toxicology: evaluating cognitive functions. Smith PJ. **Neurobehav Toxicol Teratol** 1985 Jul–Aug;7(4):345–50 (38 ref.)
In vitro testing for developmental toxicity using the Hydra attenuata assay. Wiger R, et al. **NIPH Ann** 1985 Dec; 8(2):43–7
Uncertainty of the slope determination by the moving average method [letter] Weil CS. **Toxicol Appl Pharmacol** 1986 Feb;82(2):386–7
A chronic in vivo liver perfusion technique in ruminants. Blythe LL, et al. **Vet Hum Toxicol** 1986 Jun;28(3):201–4
Should the microscopic evaluation of slides from toxicity and carcinogenicity studies in animals be conducted in a "blind" fashion [letter]Prasse K, et al. **Vet Pathol** 1986 Jul; 23(4):540–1
[Biological markers of exposure to toxic agents] Lauwerys R, et al. **Rev Epidemiol Sante Publique** 1985;33(4–5):255–61 (Eng. Abstr.) (Fre)
[Measurement of an auditory impairment induced by aminoglycosides using a shuttle box method in newborn rats] Kameyama T, et al. **Nippon Yakurigaku Zasshi** 1985 Dec;86(6):377–83 (Eng. Abstr.) (Jpn)
[Application of a shuttle avoidance response in rats to evaluate a drug-induced visual impairment] Kameyama T, et al. **Nippon Yakurigaku Zasshi** 1985 Dec;86(6):385–91 (Eng. Abstr.) (Jpn)
[Application of a response duration schedule in rats to evaluate visual and/or auditory threshold] Nabeshima T, et al. **Nippon Yakurigaku Zasshi** 1985 Dec;86(6):393–400 (Eng. Abstr.) (Jpn)
[Methods of predicting the sanitary-chemical properties of polymer construction materials] Chekal' VN, et al. **Gig Sanit** 1985 Nov;(11):38–9 (Rus)
[Determination of toxic substances in biomedia to establish true chemical burden] Dmitriev MT, et al. **Gig Sanit** 1986 Mar;(3):48–50 (Rus)
[Hygienic aspects of using exposure tests for the quantitative evaluation of toxic effects of harmful substances absorbed

through the skin] Egorov IuL, et al. **Gig Sanit** 1985 Sep; (9):71–4 (Rus)
[Method of assessing the joint effect of the factors in multiple body exposures] Khvastunov RM. **Gig Sanit** 1986 Apr; (4):56–9 (Rus)
[Elaboration and basis of the criteria for choosing the methods to determine toxic substances in biological materials in hygienic research] Pavlovskaia NA, et al. **Gig Sanit** 1985 Dec;(12):40–2 (Rus)
[Experience in using the Elektronika MK-54 computer for processing the results of toxicology research] Shevchenko AM, et al. **Gig Sanit** 1985 Oct;(10):37–9 (Rus)
[Place and significance of acute experiments in toxicologic research] Zholdakova ZI. **Gig Sanit** 1985 Nov;(11):60–2 (Rus)
[Modified variant of use of the method of fractional fasting for rapid standard-setting of substances in the air of the work environment (apropos of the article by S. V. Speranskii, "Minor toxicometry, new method of rapid standard-setting for substances in the air of the work environment")][Koviazin VG. **Gig Tr Prof Zabol** 1985 Dec; (12):40–2 (Rus)
[Informative value of individual parameters of the conditioned reflex activity of animals in toxicologic experiments] Perekhrestenko VA, et al. **Vrach Delo** 1986 May;(5):111–3 (Eng. Abstr.) (Rus)

STANDARDS

European proficiency testing program: 'Eurotox' [letter] Dijkhuis IC. **Hum Toxicol** 1986 May;5(3):216

TRENDS

Regulation and evolving science: neurobehavioral toxicology. Buckholtz NS, et al. **Neurobehav Toxicol Teratol** 1986 Jan–Feb;8(1):89–96
Genetic toxicology perspectives in Latin America. de Nava CC, et al. **Prog Clin Biol Res** 1986;209B:301–5
Genetic toxicology in Africa: problems and perspectives. Gopalan HN. **Prog Clin Biol Res** 1986;209B:283–7
Development of genetic toxicology in the Philippines: problems and perspectives. Lim-Sylianco CY. **Prog Clin Biol Res** 1986;209B:295–300
Recent advances of genetic toxicology in China. Tan CC, et al. **Prog Clin Biol Res** 1986;209B:289–94
Recent developments in toxicology. Parke DV. **Rocz Panstw Zakl Hig** 1985;36(2):92–108
[Problems of immunotoxicology] Kovalev IE, et al. **Farmakol Toksikol** 1986 Jan–Feb;49(1):5–13 (69 ref.) (Rus)
[Current problems in the development of food toxicology in connection with the realization of the Food Program of the USSR] Gabovich RD, et al. **Gig Sanit** 1985 Oct; (10):4–8 (Eng. Abstr.) (Rus)

TOXIFERINE

ANALOGS & DERIVATIVES

Intubating conditions following pre-induction priming with alcuronium. Harrop-Griffiths AW, et al. **Anaesthesia** 1986 Mar;41(3):282–6
Recovery of respiration following neuromuscular blockade with atracurium and alcuronium. Astley BA, et al. **Br J Anaesth** 1986;58 Suppl 1:75S–79S
Priming and the onset of neuromuscular blockade with alcuronium. Black AM, et al. **Br J Anaesth** 1986 Aug; 58(8):827–33
A comparison of atracurium and alcuronium during halothane anaesthesia by measurement of the train-of-four response of the adductor pollicis muscle and clinical observation. Lin LP, et al. **Br J Anaesth** 1985 Nov; 57(11):1067–72
Comparison between atracurium and alcuronium for muscle relaxation during laparoscopy. Fourie PJ, et al. **S Afr Med J** 1986 Apr 26;69(9):553–5
[Course of the neuromuscular block under atracurium. Comparison with alcuronium] Deschodt J, et al. **Ann Fr Anesth Reanim** 1985;4(6):477–83 (Eng. Abstr.) (Fre)

TOXINS

Studies on the effects of low-molecular uraemic toxins on the activity of 3-phospho-D-glycerol aldehyde dehydrogenase (E.C.1.2.1.12) in human erythrocytes. Kopczynski Z, et al. **Acta Physiol Pol** 1984 Sep-Dec; 35(5–6):539–45
Toxicity of parathyroid hormone in uremia. Klahr S, et al. **Annu Rev Med** 1986;37:71–8
Proceedings of the 32nd symposium on toxins. Tokyo, July 22–23, 1985. Abstracts. **Jpn J Med Sci Biol** 1985 Oct–Dec; 38(5–6):229–69
Proceedings of the 31st Symposium on Toxins. Kumamoto, September 27–28, 1984. Abstracts. **Jpn J Med Sci Biol** 1985 Apr;38(2):77–105
Preparation of antibody-toxin conjugates. Cumber AJ, et al. **Methods Enzymol** 1985;112:207–25
The 8th World Congress on Animal, Plant and Microbial Toxins. Newcastle upon Tyne, U.K., 11–16 August 1985. Abstracts. **Toxicon** 1985;23(4):541–619
[Biological toxins as chemical weapons] Vojvodić B, et al. **Srp Arh Celok Lek** 1985 Oct;113(10):919–24 (Eng. Abstr.) (Scc)

ADMINISTRATION & DOSAGE

Prospects for immunotoxin therapy in cancer. Frankel AE, et al. **Annu Rev Med** 1986;37:125–42 (104 ref.)

ADVERSE EFFECTS

Adverse effects of drugs and toxins in the pediatric age group. Mullick FG. **Forensic Sci Int** 1986 Feb–Mar;30(2–3):155–61

ANALYSIS

Lack of relationship between Clostridium difficile toxin and inflammatory bowel disease in children. Hyams JS, et al. **J Clin Gastroenterol** 1985 Oct;7(5):387–90
Marine natural products. Faulkner DJ. **Nat Prod Rep** 1986 Feb;3(1):1–33 (365 ref.)
Paralytic shellfish poisons produced by the freshwater cyanobacterium Aphanizomenon flos-aquae NH-5. Mahmood NA, et al. **Toxicon** 1986;24(2):175–86
[Endogenous substances of fire and Alpine salamanders] Becker H. **Pharm Unserer Zeit** 1986 Jul;15(4):97–106 (Ger)

BLOOD

Can plasma concentration of middle molecules contribute to assessment of adequate dialysis treatment? Válek A, et al. **Artif Organs** 1986 Feb;10(1):37–44
Simultaneous determination of serum uremic toxins, cations and anions and urea determination by post-column colorimetry using immobilized enzyme. Shintani H. **J Chromatogr** 1986 May 28;378(1):95–108
Simultaneous determination of serum cations, anions and uremic toxins by ion chromatography using an immobilized enzyme. Shintani H, et al. **J Chromatogr** 1985 Nov 8; 344:145–56
[Middle molecule level and myocardial contractility in kidney patients] Dimitrakov D, et al. **Vutr Boles** 1986; 25(2):18–20 (Eng. Abstr.) (Bul)
[Anemia of chronic renal failure: erythropoiesis and serum inhibitor(s) of erythroid progenitor cells in uremia] Urushiyama M, et al. **Rinsho Ketsueki** 1985 May; 26(5):668–73 (Eng. Abstr.) (Jpn)
[Paramecium test for toxic substances in the blood of humans exposed to conditions simulating weightlessness] Lavrov VI, et al. **Kosm Biol Aviakosm Med** 1986 Mar–Apr; 20(2):58–60 (Eng. Abstr.) (Rus)
[Effect of plasmapheresis on the content of peptide middle molecules in severe pyo-septic complications] Lur'e BL, et al. **Lab Delo** 1986;(2):95–8 (Eng. Abstr.) (Rus)
[Middle molecular blood peptides in patients with psychic disorders of vascular etiology] Lur'e VL, et al. **Lab Delo** 1986;(3):191 (Rus)
[Use of the determination of the blood serum levels of middle molecules for screening azotemia] Titel'man KM, et al. **Lab Delo** 1986;(3):143–5 (Eng. Abstr.) (Rus)

CHEMICAL SYNTHESIS

Neurochemistry of aging. 1. Toxins for an animal model of Alzheimer's disease. Mistry JS, et al. **J Med Chem** 1986 Mar;29(3):376–80

GENETICS

Nucleotide sequences from phaseolin cDNA clones: the major storage proteins from Phaseolus vulgaris are encoded by two unique gene families. Slightom JL, et al. **Nucleic Acids Res** 1985 Sep 25;13(18):6483–98

IMMUNOLOGY

[Histamine receptor-bearing lymphocytes. III. Suppression of immune reactions by killing of histamine receptor-bearing lymphocytes with a conjugate of histamine and the A chain of mistletoe lectin I] Eckert R, et al. **Biomed Biochim Acta** 1985;44(7–8):1239–45 (Eng. Abstr.) (Ger)

ISOLATION & PURIFICATION

Properties of volkensin, a toxic lectin from Adenia volkensii. Stirpe F, et al. **J Biol Chem** 1985 Nov 25;260(27):14589–95
Enrichment of a fraction toxic to guinea-pigs from Pachystigma pygmaeum (Schltr.) Robyns. Verschoor JA, et al. **Onderstepoort J Vet Res** 1985 Jun;52(2):101–4
[Detection and quantitative determination of lectins and viscotoxins in mistletoe preparations] Jordan E, et al. **Arzneimittelforschung** 1986 Mar;36(3):428–33 (Eng. Abstr.) (Ger)

METABOLISM

Interaction of mistletoe lectin I with Kupffer cells and endothelial cells of mouse liver. Franz H, et al. **Acta Histochem (Jena)** 1986;78(2):123–9
Mistletoe lectin I binding sites on the synaptosomes of the rat cerebral cortex. Ichev K, et al. **Acta Histochem (Jena)** 1985;77(2):133–8
Toxins and inhibitors in chronic renal failure. Powell D, et al. **Am J Kidney Dis** 1986 Apr;7(4):292–9 (39 ref.)
Gating of large toxin channels by pH. Hoch DH, et al. **Ann NY Acad Sci** 1985;456:33–5
Transmembrane transport of diphtheria toxin, related toxins, and colicins. Neville DM Jr, et al. **Annu Rev Biochem** 1986; 55:195–224 (123 ref.)
Mucosal biotransformation of toxins in the gut. Hänninen O. **Arch Toxicol [Suppl]** 1985;8:83–6
Binding and uptake of the toxic lectin modeccin by baby hamster kidney (BHK) cells. Isolation of mutants defective in the internalization of modeccin. Gleeson PA, et al. **J Cell Sci** 1985 Jun;76:283–301
High toxin content in the dinoflagellate Gonyaulax excavata in nature. White AW. **Toxicon** 1986;24(6):605–10

PHARMACODYNAMICS

Plant and fungal protein and glycoprotein toxins inhibiting eukaryote protein synthesis. Jiménez A, et al. **Annu Rev Microbiol** 1985;39:649–72 (129 ref.)
Inhibition of microtubule formation by uremic toxins: action mechanism and hypothesis about the active component. Braguer D, et al. **Clin Nephrol** 1986 Apr;25(4):212–8
Nutrient influences on toxicity and carcinogenicity. Newberne PM, et al. **Fed Proc** 1986 Feb;45(2):149–54 (68 ref.)
The immunological activity of plant toxins used in the preparation of immunotoxins—II. The immunodepressive activity of gelonin. Descotes G, et al. **Int J Immunopharmacol** 1985;7(4):455–63
Membrane damage by hemolytic viruses, toxins, complement, and other cytotoxic agents. A common mechanism blocked by divalent cations. Bashford CL, et al. **J Biol Chem** 1986 Jul 15;261(20):9300–8
Effects of the putative neutrophil-generated toxin, hypochlorous acid, on membrane permeability and transport systems of Escherichia coli. Albrich JM, et al. **J Clin Invest** 1986 Jul;78(1):177–84
Isomorphism on a physical system of the Hodgkin-Huxley equations for sodium conductance: toxin allosteric effects and gating currents. Strandberg MW. **J Theor Biol** 1985 Dec 7;117(3):385–96
Is the site of action of grayanotoxin the sodium channel gating of squid axon? Seyama I, et al. **Jpn J Physiol** 1985; 35(3):401–10
Lung surfactant and pulmonary toxicology. Haagsman HP, et al. **Lung** 1985;163(5):275–303 (174 ref.)
Study on the middle molecules from uremic serum on phagocytic activity of granulocytes. Kao KS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Jun;84(6):715–21
Lipid-specific toxins from bacteria, insects, and marine invertebrates. Bernheimer AW. **Trans NY Acad Sci** 1983; 41:25–34
Are lectins of Viscum album interesting tools in lung diseases? A review of recent results. Luther P, et al. **Z Erkr Atmungsorgane** 1986;166(3):247–56
[In vitro methods for testing of plant derived, bacterial and synthetic agents and toxins with the use of leukocyte primary cell cultures and cell lines] Bessler WG, et al. **Arzneimittelforschung** 1985;35(8):1209–15 (Eng. Abstr.) (Ger)
[Effects of uremic middle molecules on the activity of erythrocyte lactate dehydrogenase (LDH)] Severini G, et al. **Ann Ist Super Sanita** 1985;21(3):357–61 (Eng. Abstr.) (Ita)
[Mechanism of action of myotoxins isolated from snake venoms] Gutiérrez JM, et al. **Rev Biol Trop** 1984 Nov; 32(2):213–22 (58 ref.) (Eng. Abstr.) (Spa)

POISONING

Pieris formosanum poisoning in the goat [letter] Hollands RD, et al. **Vet Rec** 1986 Apr 5;118(14):407–8
[Poisoning with seaweed toxins] Misfeldt J. **Ugeskr Laeger** 1985 Jul 1;147(27):2185–8 (Eng. Abstr.) (Dan)

THERAPEUTIC USE

Antibody-toxin conjugates: a new approach to cancer therapy. McIntosh DP. **Adv Biotechnol Processes** 1984; 3:111–39 (75 ref.)
Selective killing of laryngeal carcinoma cells by a monoclonal immunotoxin. Zenner HP. **Ann Otol Rhinol Laryngol** 1986 Mar–Apr;95(2 Pt 1):115–20
Antibody-toxin hybrids: a clinical review of their use. Frankel AE. **J Biol Response Mod** 1985 Oct;4(5):437–46 (63 ref.)
Immunotoxins to combat AIDS [letter] Surolia A, et al. **Nature** 1986 Jul 10–16;322(6075):119–20

TOXICITY

[Middle-molecule toxins in the suppression of erythropoiesis] Ivanova VS, et al. **Gematol Transfuziol** 1986 Apr;31(4):9–12 (Eng. Abstr.) (Rus)

URINE

[Prognostic criterion in evaluating the course of the postoperative period] Riabinin NA, et al. **Voen Med Zh** 1986 Jan;(1):51–2 (Rus)

TOXOCARA

Prevalence of helminth ova in recreational areas of peninsular Halifax, Nova Scotia. Gualazzi DA, et al. **Can J Public Health** 1986 Mar–Apr;77(2):147–51
Prevalence of soil contamination by Toxocara canis eggs in

Qalubiya Governorate. Madwar MA, et al. **J Egypt Soc Parasitol** 1986 Jun;16(1):105–9

ANALYSIS

Hemoimmuno-adherence test (HIAT) for the detection of antibodies anti-Toxocara canis L2 larvae. Esposito F, et al. **Parassitologia** 1983 Apr;25(1):57–66

GENETICS

Biochemical polymorphism in Parascaris equorum, Toxocara canis and Toxocara cati. Nadler SA. **Mol Biochem Parasitol** 1986 Jan;18(1):45–54

IMMUNOLOGY

Enzyme immunoassay (ELISA) for the detection of specific IgG antibodies to Toxocara canis ES antigens. Brunello F, et al. **Boll Ist Sieroter Milan** 1986;65(1):54–60

Toxocara canis: interaction of human blood eosinophils with the infective larvae. Fattah DI, et al. **Exp Parasitol** 1986 Jun;61(3):421–31

Biochemical properties of larval excretory–secretory glycoproteins of the parasitic nematode Toxocara canis. Meghji M, et al. **Mol Biochem Parasitol** 1986 Feb; 18(2):155–70

Demonstration of both immunologically unique and common antigenic determinants in Dirofilaria immitis and Toxocara canis using monoclonal antibodies. Ott RA, et al. **Vet Immunol Immunopathol** 1985 Nov;10(2–3):147–53

[The L2 larva of Toxocara canis as an immunomodulating agent] Lari T, et al. **Ann Ist Super Sanita** 1986;22(1):469–72 (Eng. Abstr.) **(Ita)**

[In vitro interaction between immunocompetent cells and L2 larvae of Toxocara canis: immunologic aspects] Lombardi S, et al. **Ann Ist Super Sanita** 1986;22(1):465–8 (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

Susceptibility of rats to infection with Toxocara pteropodis. Prociv P, et al. **Z Parasitenkd** 1986;72(4):487–91

TOXOCARIASIS see under **ASCARIASIS**

TOXOIDS

ADMINISTRATION & DOSAGE

Use of a toxoid vaccine to protect goats against intradermal challenge exposure to Corynebacterium pseudotuberculosis. Brown CC, et al. **Am J Vet Res** 1986 May;47(5):1116–9

IMMUNOLOGY

Toxoid stimulation in dogs of high titres of neutralising antibodies against holocyclotoxin, the paralysing toxin of the Australian paralysis tick Ixodes holocyclus. Stone BF, et al. **Aust Vet J** 1986 Apr;63(4):125–7

The adjuvant effect of pertussis endotoxin protein in modulating the immune response to cholera toxoid in mice. Sultzer BM, et al. **Dev Biol Stand** 1985;61:225–32

New method of preparing elastase toxoid from Pseudomonas aeruginosa. Morihara K, et al. **J Clin Microbiol** 1986 Jan; 23(1):53–5

[Anti-toxin vaccines] Alouf JE. **Ann Inst Pasteur Microbiol** 1985 Nov–Dec;136B(3):309–21 (70 ref.) **(Fre)**

[Antigenic properties of Pseudomonas aeruginosa anatoxin and the protective action of antitoxic anti-Pseudomonas aeruginosa serum] Podgornaia LG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Jun;(6):67–9 (Eng. Abstr.) **(Rus)**

TOXOPLASMA

CLASSIFICATION

Strain of mouse and Toxoplasma used in the mouse model of congenital toxoplasmosis at Strathclyde University. Hutchison WM. **Ann Trop Med Parasitol** 1986 Apr; 80(2):253–5

[New opinions on the classification of Apicomplexa] Kazubski SL. **Wiad Parazytol** 1985;31(2):85–8 (Eng. Abstr.) **(Pol)**

CYTOLOGY

Identification of Toxoplasma gondii and Encephalitozoon cuniculi by immunoperoxidase techniques and electron microscopy, in stored, formalin-fixed, paraffin-embedded tissue. Bjerkås I, et al. **Acta Vet Scand** 1986;27(1):11–22

ENZYMOLOGY

Toxoplasma gondii: demonstration of intrinsic peroxidase activity during lacto-peroxidase mediated radioiodination of tachyzoites. Gallois Y, et al. **Biomed Pharmacother** 1986; 40(3):111–3

Superoxide dismutase and catalase in Toxoplasma gondii. Sibley LD, et al. **Mol Biochem Parasitol** 1986 Apr; 19(1):83–7

GENETICS

Characterization and in vitro translation of Toxoplasma gondii ribonucleic acid. Johnson AM, et al. **Mol Biochem Parasitol** 1986 Mar;18(3):313–20

Cell free synthesis of Toxoplasma gondii antigens. Prince JB, et al. **Mol Biochem Parasitol** 1985 Nov;17(2):163–70

GROWTH & DEVELOPMENT

Viral contamination of a subline of Toxoplasma gondii RH. Grimwood BG. **Infect Immun** 1985 Dec;50(3):917–8

In vitro cultivation of Toxoplasma gondii cysts in astrocytes in the presence of gamma interferon. Jones TC, et al. **Infect Immun** 1986 Jan;51(1):147–56

In vitro culture of Toxoplasma gondii in primary and established cell lines. Hughes HP, et al. **Int J Parasitol** 1986 Aug;16(4):317–22

Activity of recombinant tumor necrosis factor on Toxoplasma gondii and Trypanosoma cruzi. De Titto EH, et al. **J Immunol** 1986 Aug 15;137(4):1342–5

[Maintaining the Toxoplasma gondii strain in permanent mouse macrophage cultures] Müller WA. **Angew Parasitol** 1985 Nov;26(4):221–2 **(Ger)**

IMMUNOLOGY

Diagnosis of cerebral toxoplasmosis using fluorescein-labeled antitoxoplasma monoclonal antibodies. Sun T, et al. **Am J Surg Pathol** 1986 May;10(5):312–6

Prevalence of Toxoplasma gondii antibodies in southern Louisiana swine in 1980 and 1981. Hugh-Jones ME, et al. **Am J Vet Res** 1986 May;47(5):1050–1

Evaluation of laboratory diagnosis of toxoplasmosis by means of an ELISA-triple test. Detection of class specific IgG, IgM and circulating antigen. van Knapen F, et al. **Antonie Van Leeuwenhoek** 1986;52(1):5–13

IgM-IFA, IgM-ELISA, DS-IgM-ELISA, IgM-ISAGA, performed on whole serum and IgM fractions, for detection of IgM anti-toxoplasma antibodies during pregnancy. Filice G, et al. **Boll Ist Sieroter Milan** 1986;65(2):131–7

Role of lymphocyte blastogenesis to Toxoplasma gondii antigens in containment of chronic, latent T. gondii infection in humans. McLeod R, et al. **Clin Exp Immunol** 1985 Oct;62(1):24–30

Toxoplasmosis: the need for improved diagnostic techniques and accurate risk assessment. Hughes HP. **Curr Top Microbiol Immunol** 1985;120:105–39 (148 ref.)

The toxoplasma agglutination antigen as a tool for routine screening and diagnosis of toxoplasma infection in the mother and infant. Desmonts G, et al. **Dev Biol Stand** 1985; 62:31–5

A solid phase immunoassay (DIG-ELISA) as a serodiagnostic tool in bovine and porcine Toxoplasma gondii infection. Uggla A, et al. **Dev Biol Stand** 1985; 62:37–42

Enzyme-linked immunosorbent assay for detection of soluble Toxoplasma gondii antigen in acute-phase toxoplasmosis. Lindenschmidt EG. **Eur J Clin Microbiol** 1985 Oct; 4(5):488–92

Contribution of immune interferon (IFN-gamma) in lymphokine-induced anti-toxoplasma activity: studies with recombinant murine IFN-gamma. Sethi KK, et al. **Immunobiology** 1985 Nov;170(4):270–83

Mechanisms of killing of Toxoplasma gondii by rat peritoneal macrophages. McCabe RE, et al. **Infect Immun** 1986 Apr; 52(1):151–5

Toxoplasma seroprevalence in animals in northern India. Chhabra MB, et al. **Int J Zoonoses** 1985 Jun;12(2):136–42

Toxoplasma prevalence and human occupational groups. Gupta SL, et al. **Int J Zoonoses** 1985 Jun;12(2):143–6

Antitumor effect of formalin-fixed Toxoplasma gondii organisms on EL4 lymphoma in Toxoplasma-infected mice. Suzuki Y, et al. **J Biol Response Mod** 1986 Aug; 5(4):288–93

Lymphocyte anergy specific to Toxoplasma gondii antigens in a baby with congenital toxoplasmosis. McLeod R, et al. **J Clin Lab Immunol** 1985 Jul;17(3):149–53

An enzyme immunoassay for immunoglobulin M antibodies to Toxoplasma gondii which is not affected by rheumatoid factor or immunoglobulin G antibodies. Lin TM, et al. **J Clin Microbiol** 1986 Jan;23(1):77–82

Demonstration of Toxoplasma antigen containing complexes in active toxoplasmosis. van Knapen F, et al. **J Clin Microbiol** 1985 Oct;22(4):645–50

Oxygen-independent killing by alveolar macrophages. Catterall JR, et al. **J Exp Med** 1986 May 1;163(5):1113–31

Secretory IgA specific for Toxoplasma gondii. McLeod R, et al. **J Immunol** 1986 Apr 1;136(7):2640–3

Use of a monoclonal antibody in a double-sandwich ELISA for detection of IgM antibodies to Toxoplasma gondii major surface protein (P30). Cesbron JY, et al. **J Immunol Methods** 1985 Oct 24;83(1):151–8

Analysis of Toxoplasma gondii antigens recognized by human sera obtained before and after acute infection. Potasman I, et al. **J Infect Dis** 1986 Oct;154(4):650–7

Recognition of different Toxoplasma antigens by IgM and IgG antibodies in mothers and their congenitally infected newborns. Remington JS, et al. **J Infect Dis** 1985 Nov; 152(5):1020–4

Toxoplasma gondii antibodies in cats: detection by indirect hemagglutination and indirect fluorescent antibody tests. Deeb BJ, et al. **J Parasitol** 1986 Apr;72(2):355–7

Toxoplasma cystozoite antigenic change in tissue culture. Lunde MN, et al. **J Parasitol** 1985 Dec;71(6):833

Antibodies to Toxoplasma gondii in moose (Alces alces L.) from Alaska. Kocan AA, et al. **J Wildl Dis** 1986 Jul; 22(3):432

Serodiagnosis of human G and M immunoglobulins to Toxoplasma gondii by ELISA using whole tachyzoites as antigens: a comparative study with the indirect haemagglutination (IHA) and immunofluorescence (IFA) tests. Tomasi JP, et al. **Med Microbiol Immunol (Berl)** 1986; 175(4):261–9

Immune effect of toxoplasma lysate antigen (TLA) on cattle against Theileria sergenti infection. Sato M, et al. **Nippon Juigaku Zasshi** 1985 Dec;47(6):921–9

Detection of Toxoplasma-specific IgM in cord blood sera by antibody-class capture enzyme-linked immunosorbent assay. Johnson AM, et al. **Pathology** 1985 Oct;17(4):586–9

Alteration of leukotriene release by macrophages ingesting Toxoplasma gondii. Lockaley RM, et al. **Proc Natl Acad Sci USA** 1985 Oct;82(20):6922–6

One point dilution enzyme-linked immunosorbent assay (ELISA) for Toxoplasma gondii seroepidemiological surveys. Pallangyo KJ, et al. **Tohoku J Exp Med** 1985 Dec; 147(4):349–56

Effects of adjuvants and Toxoplasma gondii antigens on immune response and outcome of peroral T. gondii challenge. McLeod R, et al. **Trans R Soc Trop Med Hyg** 1985;79(6):800–4

A serological survey of the prevalence of Toxoplasma gondii antibodies in dogs and cats in Saudi Arabia. Hossain A, et al. **Trop Geogr Med** 1986 Sep;38(3):244–5

A review of toxoplasmosis of animals in the U.S.S.R. Beyer TV, et al. **Vet Parasitol** 1986 Feb;19(3–4):225–43 (118 ref.)

Determination of IgM and IgG antibodies to Toxoplasma using the IFA test, ELISA, and Dot-ELISA procedures. Pappas MG, et al. **Vet Parasitol** 1986 Mar;20(1–3):31–42

Requirement for calcium ions in antibody-dependent complement-mediated cytolysis of Toxoplasma gondii. Suzuki Y, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1985 May;259(3):426–31

[Establishment of a hybridoma cell line secreting monoclonal antibody against Toxoplasma gondii] Chen CH, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1985;3(4):290–2 (Eng. Abstr.) **(Chi)**

[Detection of acute toxoplasmosis by the immunoadsorption method combined with agglutination (IgM-ISA)] Valkoun A. **Cas Lek Cesk** 1986 Jun 6;125(23):712–4 (Eng. Abstr.) **(Cze)**

[Methods of immune reactions and significance of their results for the diagnosis of individual clinical forms of toxoplasmosis] Mannweiler E. **Behring Inst Mitt** 1985 Dec; (78):1–69 (Eng. Abstr.) **(Ger)**

[Elevated toxoplasma antibody titers in a patient with dermatomyositis] Sugimoto M, et al. **Nippon Naika Gakkai Zasshi** 1985 Aug;74(8):1098–102 **(Jpn)**

[Comparative studies of 3 methods of detecting Toxoplasma antibodies of the IgM class] Dzbeński TH, et al. **Med Dosw Mikrobiol** 1986;38(1):31–6 (Eng. Abstr.) **(Pol)**

[Role of soluble parasitic antigens with particular reference to the circulating antigen of Toxoplasma gondii] Dzbeński TH. **Wiad Parazytol** 1985;31(2):99–104 (Eng. Abstr.) **(Pol)**

[Use of mixed antigens for the immunofluorescence reaction in seroepidemiological research] Gracheva LI, et al. **Med Parazitol (Mosk)** 1986 May–Jun;(3):85–6 **(Rus)**

[Immunosuppressive therapy in neurologic diseases and antibodies against Toxoplasma gondii] Cemalović-Boko Z, et al. **Neurologija** 1985;34(1–4):109–20 (Eng. Abstr.) **(Ser)**

[Comparisons of the results of toxoplasma IgG and IgM antibodies using ELISA and indirect immunofluorescence] Nemec R, et al. **Bratisl Lek Listy** 1986 Jan;85(1):83–9 (Eng. Abstr.) **(Slo)**

[Toxoplasma IgG and IgM antibodies in pregnant women and neonates] Nemec R, et al. **Cesk Gynekol** 1986 May; 51(4):240–4 (Eng. Abstr.) **(Slo)**

[Detection of antibodies against TORCH agents during pregnancy] Ustaçelebi S, et al. **Mikrobiyol Bul** 1986 Jan; 20(1):1–8 (Eng. Abstr.) **(Tur)**

ISOLATION & PURIFICATION

Prevalence of Toxoplasma gondii among West African rodent, Thryonomys swinderianus from the Niger Delta. Arene FO. **J Hyg Epidemiol Microbiol Immunol** 1986; 30(2):215–7

PATHOGENICITY

Inhibition of a penetration-enhancing factor of Toxoplasma gondii by monoclonal antibodies specific for rhoptries. Schwartzman JD. **Infect Immun** 1986 Mar;51(3):760–4

[Reinfection by Toxoplasma gondii Nicolle & Manceaux, 1909 in mice and cats. Experimental study] Jamra LM, et al. **Rev Inst Med Trop Sao Paulo** 1985 Nov–Dec; 27(6):318–27 (Eng. Abstr.) **(Por)**

PHYSIOLOGY

Toxoplasma modifies macrophage phagosomes by secretion of a vesicular network rich in surface proteins. Sibley LD, et al. **J Cell Biol** 1986 Sep;103(3):867–74

RADIATION EFFECTS

Effect of irradiation on the viability of Toxoplasma gondii cysts in tissues of mice and pigs. Dubey JP, et al. **Am J Vet Res** 1986 Mar;47(3):518–22

ULTRASTRUCTURE

Detection of the microtubule cytoskeleton of the coccidian Toxoplasma gondii and the hemoflagellate Leishmania donovani by monoclonal antibodies specific for beta-tubulin. Schwartzman JD, et al. **J Protozool** 1985 Nov;32(4):747–9

Immunocytochemical localization of cytoskeletal proteins and electron microscopy of detergent extracted tachyzoites of Toxoplasma gondii. Cintra WM, et al. **J Submicrosc Cytol** 1985 Oct;17(4):503–8

[Electron microscopic study on the cyst of Toxoplasma gondii in the mouse retina] Shimizu K, et al. **Nippon Ganka Gakkai Zasshi** 1985 Aug;89(8):953–60 (Eng. Abstr.) (Jpn)

TOXOPLASMOSIS

[The heart and toxoplasmosis. Apropos of a case of Toxoplasma myocarditis] Politi G, et al. **Minerva Cardioangiol** 1985 Sep;33(9):575–80 (Eng. Abstr.) (Ita)

[Toxoplasma gondii and pregnancy. Observations relative to epidemiology, diagnosis and prevention] Zotti C, et al. **Minerva Ginecol** 1985 Nov;37(11):671–6 (Eng. Abstr.) (Ita)

[Diagnosis and treatment of toxoplasmosis during pregnancy] Sáenz RE. **Rev Med Panama** 1985 Sep;10(3):145–51 (Eng. Abstr.) (Spa)

BLOOD

[Carrier- and immunoprotein levels in the blood serum of women infected with Toxoplasma gondii] Sikorski R, et al. **Ginekol Pol** 1985 May–Jun;56(5–6):342–7 (Eng. Abstr.) (Pol)

COMPLICATIONS

Cerebral toxoplasmosis complicating the acquired immune deficiency syndrome: clinical and neuropathological findings in 27 patients. Navia BA, et al. **Ann Neurol** 1986 Mar;19(3):224–38

Testicular toxoplasmosis in two men with the acquired immunodeficiency syndrome (AIDS). Nistal M, et al. **Arch Pathol Lab Med** 1986 Aug;110(8):744–6

Sweet's syndrome and toxoplasmosis: a coincidental association? Delfino M, et al. **Dermatologica** 1985; 171(2):102–5

Serodiagnosis of Toxoplasma gondii in habitually aborting women and other adults from North Jordan. Abdel-Hafez SK, et al. **Folia Parasitol (Praha)** 1986;33(1):7–13

Toxoplasmosis and prolonged FUO [letter] Shanley FM. **Hosp Pract [Off]** 1986 Mar 15;21(3):18

Role of toxoplasmosis in the aetiology of some cardiac diseases: an immunobiological investigation. Sibalić D, et al. **J Clin Pathol** 1986 Feb;39(2):204–7

Cryptococcal meningitis and cerebral toxoplasmosis in a patient with acquired immune deficiency syndrome. Bahls F, et al. **J Neurol Neurosurg Psychiatry** 1986 Mar; 49(3):328–30

CNS toxoplasmosis in acquired immune deficiency syndrome: a clinical–pathological–radiological review of 12 cases. Farkash AE, et al. **J Neurol Neurosurg Psychiatry** 1986 Jul;49(7):744–8

Toxoplasma gondii encephalitis in systemic lupus erythematosus. A neglected cause of treatable nervous system infection. Deleze M, et al. **J Rheumatol** 1985 Oct; 12(5):994–6

[Contribution of immunology to the diagnosis and surveillance of acute polyradiculoneuritis of toxoplasmosis origin] Cottineau C, et al. **Cah Anesthesiol** 1985 Aug–Sep; 33(5):423–5 (Fre)

[Acute polyradiculoneuritis and toxoplasmosis] Dano P, et al. **Rev Neurol (Paris)** 1985;141(11):743–5 (Eng. Abstr.) (Fre)

[Simultaneous incidence of hyperthyroidism and toxoplasmosis] Kiss Z, et al. **Orv Hetil** 1986 Apr 27; 127(17):1027–8 (Eng. Abstr.) (Hun)

[A case of dermatomyositis associated with toxoplasmosis] Fukagawa M, et al. **Nippon Naika Gakkai Zasshi** 1986 May; 75(5):633–7 (Jpn)

[A case of toxoplasmosis associated with polyradiculoneuropathy] Takizawa H, et al. **Nippon Naika Gakkai Zasshi** 1985 Sep;74(9):1270–5 (Jpn)

[Chronic polyarthritis with disseminated cutaneous disease. Differential diagnosis and course with terminal infection caused by Toxoplasma gondii] Garcia ML, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1985 Nov–Dec; 40(6):270–4 (Eng. Abstr.) (Por)

[Acquired toxoplasmosis with central nervous system involvement] Achamann A. **Med Parazitol (Mosk)** 1985 Sep–Oct;(5):83–4 (Eng. Abstr.) (Rus)

[Association of polymyositis and toxoplasmosis] López Ruz MA, et al. **Med Clin (Barc)** 1986 Jul 12;87(6):246–8 (Eng. Abstr.) (Spa)

DIAGNOSIS

Tour de force not very threatening to technicians [letter] Kean BH. **Am J Clin Pathol** 1986 Jun;85(6):758

Diagnosis of cerebral toxoplasmosis using fluorescein-labeled antitoxoplasma monoclonal antibodies. Sun T, et al. **Am J Surg Pathol** 1986 May;10(5):312–6

Evaluation of laboratory diagnosis of toxoplasmosis by means of an ELISA-triple test. Detection of class specific IgG, IgM and circulating antigen. van Knapen F, et al. **Antonie Van Leeuwenhoek** 1986;52(1):5–13

Comparison between IgM-IFA and DS-IgM-ELISA performed on IgM fractions and whole sera in acute acquired toxoplasmosis. Filice G, et al. **Boll Ist Sieroter Milan** 1985;64(4):311–4

Serodiagnosis of toxoplasma infection using a purified parasite protein (P30). Santoro F, et al. **Clin Exp Immunol** 1985 Nov;62(2):262–9

Toxoplasmosis: the need for improved diagnostic techniques and accurate risk assessment. Hughes HP. **Curr Top Microbiol Immunol** 1985;120:105–39 (148 ref.)

The toxoplasma agglutination antigen as a tool for routine screening and diagnosis of toxoplasma infection in the mother and infant. Desmonts G, et al. **Dev Biol Stand** 1985; 62:31–5

Sabin–Feldman dye test in ulcerative colitis and Crohn's disease. Rattan J, et al. **Dis Colon Rectum** 1986 Jun; 29(6):402–4

Comparative evaluation of IIF and EIA methods for serodiagnosis of toxoplasmosis. Del Pezzo M, et al. **G Batteriol Virol Immunol** 1985 Jan–Jun;78(1–6):15–22

Serologic determination of toxoplasmosis in patients with clinical manifestations. Azab ME, et al. **J Egypt Soc Parasitol** 1986 Jun;16(1):315–22

Use of a monoclonal antibody in a double-sandwich ELISA for detection of IgM antibodies to Toxoplasma gondii major surface protein (P30). Cesbron JY, et al. **J Immunol Methods** 1985 Oct 24;83(1):151–8

Tests for toxoplasmosis [letter] Fleck DG. **Lancet** 1971 Dec 11;2(7737):1319–20

Case of diagnosis. AIDS. Macher AM, et al. **Milit Med** 1986 Jul;151(7):M41–8

The role of bronchoalveolar lavage in the diagnosis of pulmonary toxoplasmosis. Brandstetter RD. **NY State J Med** 1986 Apr;86(4):171–2

Diagnosis of pulmonary toxoplasmosis by bronchoalveolar lavage. Maguire GP, et al. **NY State J Med** 1986 Apr; 86(4):204–5

Toxoplasmosis of the central nervous system in children. Kramer W. **Psychiatr Neurol Med Psychol Beih** 1970; 13–14:119–33

Determination of IgM and IgG antibodies to Toxoplasma using the IFA test, ELISA, and Dot-ELISA procedures. Pappas MG, et al. **Vet Parasitol** 1986 Mar;20(1–3):31–42

[Detection of acute toxoplasmosis by the immunoadsorption method combined with agglutination (IgM–ISA)] Valkoun A. **Cas Lek Cesk** 1986 Jun 6;125(23):712–4 (Eng. Abstr.) (Cze)

[Toxoplasma gondii: a—mostly—silent companion] Huisman J. **Ned Tijdschr Geneeskd** 1986 Jul 19;130(29):1308–9 (Dut)

[Laboratory diagnosis of toxoplasmosis] van Knapen F. **Ned Tijdschr Geneeskd** 1986 Jul 19;130(29):1309–13 (Dut)

[Congenital toxoplasmosis] Turunen H, et al. **Duodecim** 1985; 101(24):2423–7 (Eng. Abstr.) (Fin)

[Opportunistic Toxoplasma gondii infections] Reinert P, et al. **Arch Fr Pediatr** 1985 Dec;42 Suppl 2:949–51 (Eng. Abstr.) (Fre)

[A new agglutination reaction for the diagnosis of the developmental stage of acquired toxoplasmosis] Thulliez P, et al. **Pathol Biol (Paris)** 1986 Mar;34(3):173–7 (Eng. Abstr.) (Fre)

[A new ELISA method for the diagnosis of toxoplasmosis. Assay of serum IgM by immunocapture with an anti-Toxoplasma gondii monoclonal antibody] Cesbron JY, et al. **Presse Med** 1986 Apr 19;15(16):737–40 (Eng. Abstr.) (Fre)

[Methods of immune reactions and significance of their results for the diagnosis of individual clinical forms of toxoplasmosis] Mannweiler E. **Behring Inst Mitt** 1985 Dec; (78):1–69 (Eng. Abstr.) (Ger)

[Toxoplasma encephalitis—multiple sclerosis: differential diagnosis by nuclear magnetic resonance tomography?] Fritze J, et al. **Nervenarzt** 1986 Jan;57(1):56–60 (Ger)

[Validation of an EIA test for the determination of anti-toxoplasma IgG antibodies in pre-conception preventive medicine] Rigoli E, et al. **Ann Ist Super Sanita** 1986;22(1):233–8 (Eng. Abstr.) (Ita)

[Immunosorbent agglutination assay: comparison with other methods of indirect detection of anti-Toxoplasma gondii IgM] Garella D, et al. **Quad Sclavo Diagn** 1985 Sep; 21(3):341–8 (Eng. Abstr.) (Ita)

[Comparative studies of 3 methods of detecting Toxoplasma antibodies of the IgM class] Dzbeński TH, et al. **Med Dosw Mikrobiol** 1986;38(1):31–6 (Eng. Abstr.) (Pol)

[A case of pneumonia caused by Toxoplasma in a 3 1/2-year-old girl] Milewska-Bobula B, et al. **Pneumonol Pol** 1985 Nov–Dec;53(11–12):554–8 (Eng. Abstr.) (Pol)

[Role of soluble parasitic antigens with particular reference to the circulating antigen of Toxoplasma gondii] Dzbeński TH. **Wiad Parazytol** 1985;31(2):99–104 (Eng. Abstr.) (Pol)

[Prevention of congenital toxoplasmosis in a women's dispensary] Shevkunova EA, et al. **Akush Ginekol (Mosk)** 1985 Oct;(10):61–3 (Rus)

[Objective assessment of the problem of toxoplasmosis] Shevkunova EA. **Med Parazitol (Mosk)** 1985 Nov–Dec; (6):57–62 (Eng. Abstr.) (Rus)

[Detection of toxoplasmosis among patients with lymphadenitis] Triakina IP, et al. **Med Parazitol (Mosk)** 1985 Jul–Aug;(4):32–4 (Eng. Abstr.) (Rus)

DRUG THERAPY

Acquired toxoplasma encephalitis. Cottrell AJ. **Arch Dis Child** 1986 Jan;61(1):84–5

Effect of levamisole on toxoplasmosis during pregnancy in guinea-pigs. Youssef MY, et al. **J Egypt Soc Parasitol** 1985 Jun;15(1):41–8

ETIOLOGY

Cerebral toxoplasmosis in an immunocompromised host. A precise and rapid diagnosis by electron microscopy. Tang TT, et al. **Am J Clin Pathol** 1986 Jan;85(1):104–10

Toxoplasmosis in hairy-cell leukaemia. Knecht H, et al. **Br J Haematol** 1986 Jan;62(1):65–73

Toxoplasmosis in cardiac transplantation. Hakim M, et al. **Br Med J [Clin Res]** 1986 Apr 26;292(6528):1108

Cerebral toxoplasmosis after renal transplantation. Case report. Tzanaclis AM, et al. **Pathol Res Pract** 1986 Jun; 181(3):339–43

[Toxoplasmosis following side-arm wounds (letter)] Ferre F, et al. **Presse Med** 1986 May 17;15(20):929–30 (Fre)

[Generalized toxoplasmosis in a renal transplant patient (letter)] Guérin C, et al. **Presse Med** 1986 May 24;15(21):979 (Fre)

[Cerebral toxoplasmosis in AIDS] Christ F, et al. **ROFO** 1986 Feb;144(2):230–1 (Ger)

[Toxoplasmosis as an occupational disease] Umiński J. **Wiad Parazytol** 1985;31(2):105–12 (Eng. Abstr.) (Pol)

[Toxoplasmosis of the central nervous system in a diabetic patient] Cavallazzi LO. **Arq Neuropsiquiatr** 1985 Sep; 43(3):319–21 (Eng. Abstr.) (Por)

FAMILIAL & GENETIC

Toxoplasmosis: a family outbreak. Humphreys H, et al. **Ir Med J** 1986 Jul;79(7):191

IMMUNOLOGY

Immunity in toxoplasmosis. Frenkel JK. **Bull Pan Am Health Organ** 1985;19(4):354–67

Activated T-cells with suppressor/cytotoxic phenotype in acute Toxoplasma gondii infection. De Waele M, et al. **Clin Exp Immunol** 1985 Nov;62(2):256–61

Role of lymphocyte blastogenesis to Toxoplasma gondii antigens in containment of chronic, latent T. gondii infection in humans. McLeod R, et al. **Clin Exp Immunol** 1985 Oct;62(1):24–30

Mechanisms of killing of Toxoplasma gondii by rat peritoneal macrophages. McCabe RE, et al. **Infect Immun** 1986 Apr; 52(1):151–5

Serological study of selected disease antibodies in Arkansas—furbearer trappers, a high risk group. Heidt GA, et al. **J Arkansas Med Soc** 1985 Nov;82(6):265–9

Demonstration of Toxoplasma antigen containing complexes in active toxoplasmosis. van Knapen F, et al. **J Clin Microbiol** 1985 Oct;22(4):645–50

Analysis of Toxoplasma gondii antigens recognized by human sera obtained before and after acute infection. Potasman I, et al. **J Infect Dis** 1986 Oct;154(4):650–7

Recognition of different Toxoplasma antigens by IgM and IgG antibodies in mothers and their congenitally infected newborns. Remington JS, et al. **J Infect Dis** 1985 Nov; 152(5):1020–4

Association of symptomatic human infection with Toxoplasma gondii with imbalance of monocytes and antigen-specific T cell subsets. Sklenar I, et al. **J Infect Dis** 1986 Feb;153(2):315–24

Effects of adjuvants and Toxoplasma gondii antigens on immune response and outcome of peroral T. gondii challenge. McLeod R, et al. **Trans R Soc Trop Med Hyg** 1985;79(6):800–4

Influence of Toxoplasma on manifestations of Moloney virus infections. McLeod R, et al. **Trans R Soc Trop Med Hyg** 1985;79(6):781–7

[Toxoplasmosis in the immunosuppressed patient. Apropos of 3 anatomoclinical cases] Karkouche B, et al. **Arch Anat Cytol Pathol** 1985;33(5–6):281–4 (Eng. Abstr.) (Fre)

[Possible interactions between Toxoplasma gondii infection and the presence of non-Hodgkin's lymphoma] Ortiz-Muñoz AB, et al. **Rev Esp Oncol** 1984;31(2):237–45 (Eng. Abstr.) (Spa)

[Possible interactions between Toxoplasma gondii infection and the presence of carcinomas of female genitalia and the breast] Sanchis-Belenguer R, et al. **Rev Esp Oncol** 1984; 31(2):247–55 (Eng. Abstr.) (Spa)

[Immunosuppressive activity of corticosteroids in primary infection and after the development of immunity against Toxoplasma and herpes virus] Chinchilla M, et al.

Rev Latinoam Microbiol 1985 Apr-Jun;27(2):115-21 (Eng. Abstr.) (Spa)

OCCURRENCE

A simple model relevant to toxoplasmosis applied to epidemiologic results in France. Papoz L, et al. **Am J Epidemiol** 1986 Jan;123(1):154-61

An oocyst-transmitted outbreak of toxoplasmosis: patterns of immunoglobulin G and M over one year. Sulzer AJ, et al. **Am J Trop Med Hyg** 1986 Mar;35(2):290-6

Pulmonary toxoplasmosis. Catterall JR, et al. **Am Rev Respir Dis** 1986 Apr;133(4):704-5

Occurrence of Toxoplasma gondii antibodies in Tanzanian blood donors. Gill HS. **East Afr Med J** 1985 Aug; 62(8):585-8

Toxoplasma prevalence and human occupational groups. Gupta SL, et al. **Int J Zoonoses** 1985 Jun;12(2):143-6

Serological evidence of infection with Plasmodium and Toxoplasma in blood donors to Ain-Shams University Hospital. Azab ME, et al. **J Egypt Soc Parasitol** 1986 Jun; 16(1):163-70

Detection of Toxoplasma cysts and oocysts in an urban environment in a developed country. Rothe J, et al. **Pathology** 1985 Jul;17(3):497-9

[Toxoplasmosis in Beijing among workers in contact with domestic animals] Gan SB. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1984 Nov; 18(6):356-8 (Eng. Abstr.) (Chi)

[Toxoplasmosis in the African tropical zone. Preliminary studies] Dumas N, et al. **Bull Soc Pathol Exot Filiales** 1985; 78(5 Pt 2):795-800 (Eng. Abstr.) (Fre)

[Toxoplasmosis in Japan. Comparative study of different regions] Dumas N, et al. **Bull Soc Pathol Exot Filiales** 1985; 78(5 Pt 2):801-9 (Eng. Abstr.) (Fre)

[Seroepidemiologic study of toxoplasmosis in the school population of Sousse] Jemni L, et al. **Bull Soc Pathol Exot Filiales** 1985;78(5 Pt 2):810-4 (Eng. Abstr.) (Fre)

[Study of toxoplasmosis in pregnant women in Cameroon] Marty P, et al. **Bull Soc Pathol Exot Filiales** 1985; 78(5):623-8 (Eng. Abstr.) (Fre)

[Epidemiology of toxoplasmosis in the female population of Chieti Province] Menduni P, et al. **Boll Soc Ital Biol Sper** 1986 Mar 31;62(3):341-6 (Eng. Abstr.) (Ita)

[Toxoplasmosis and the epidemiological status of the population. Approaches to determining the incidence of cases of acquired toxoplasmosis] Krasil'nikov AA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Oct;(10):82-8 (35 ref.) (Rus)

[Preliminary results of toxoplasmosis screening in selected population groups] Prokopčáková H, et al. **Bratisl Lek Listy** 1986 Feb;85(2):186-93 (Eng. Abstr.) (Slo)

[Sero-epidemiologic survey of anti-Toxoplasma gondii antibodies in 125 pregnant women from eastern Tabasco State] Fernández-Torrano M, et al. **Bol Med Hosp Infant Mex** 1986 May;43(5):274-8 (Eng. Abstr.) (Spa)

PATHOLOGY

Cerebral toxoplasmosis [letter] Cerezo L. **Am J Clin Pathol** 1986 Jun;85(6):757-8

Cutaneous toxoplasmosis. Leyva WH, et al. **J Am Acad Dermatol** 1986 Apr;14(4):600-5

Cervical toxoplasma lymphadenitis: report of a case. Siar CH, et al. **Med J Malaysia** 1984 Dec;39(4):306-10

Toxoplasmosis lymphadenitis occurring in a parotid gland. Moran WJ, et al. **Otolaryngol Head Neck Surg** 1986 Feb; 94(2):237-40

PREVENTION & CONTROL

Failure of spiramycin to prevent neurotoxoplasmosis in immunosuppressed patients [letter] Leport C, et al. **JAMA** 1986 May 2;255(17):2290

[Prevention of toxoplasmosis of animal origin] Mantovani A, et al. **Ann Ist Super Sanita** 1984;20(4):313-6 (Eng. Abstr.) (Ita)

RADIOGRAPHY

Cranial CT in acquired immunodeficiency syndrome: spectrum of diseases and optimal contrast enhancement technique. Post MJ, et al. **AJR** 1985 Nov;145(5):929-40

TRANSMISSION

Toxoplasmosis in animals and the public health aspects. Okolo MI. **Int J Zoonoses** 1985 Dec;12(4):247-56 (59 ref.)

Distribution of Toxoplasma gondii tissue cysts in commercial cuts of pork. Dubey JP, et al. **J Am Vet Med Assoc** 1986 May 1;188(9):1035-7

Toxoplasmosis. Dubey JP. **J Am Vet Med Assoc** 1986 Jul 15;189(2):166-70 (57 ref.)

Is fast food toxo-food? [letter] Paradisi F, et al. **N Engl J Med** 1985 Oct 24;313(17):1092

[Experimental study of the possible activity of gentian violet in preventing the transmission of toxoplasmosis due to blood transfusion] Pinto PL, et al. **Rev Inst Med Trop Sao Paulo** 1985 Mar-Apr;27(2):89-94 (Eng. Abstr.) (Por)

TOXOPLASMOSIS, ANIMAL

Identification of Toxoplasma gondii and Encephalitozoon cuniculi by immunoperoxidase techniques and electron microscopy, in stored, formalin-fixed, paraffin-embedded tissue. Bjerkås I, et al. **Acta Vet Scand** 1986;27(1):11-22

Toxoplasma gondii-induced abortion in dairy goats. Dubey JP, et al. **J Am Vet Med Assoc** 1986 Jan 15;188(2):159-62

Epizootiologic investigations on a sheep farm with Toxoplasma gondii-induced abortions. Dubey JP, et al. **J Am Vet Med Assoc** 1986 Jan 15;188(2):155-8

A review of toxoplasmosis in pigs. Dubey JP. **Vet Parasitol** 1986 Feb;19(3-4):181-223 (251 ref.)

COMPLICATIONS

An outbreak of Toxoplasma gondii abortion, mummification and perinatal death in goats. Nurse GH, et al. **Aust Vet J** 1986 Jan;63(1):27-9

Concurrent distemper and disseminated toxoplasmosis in a red fox. Reed WM, et al. **J Am Vet Med Assoc** 1985 Dec 1;187(11):1264-5

CONGENITAL

Experimental infection of pregnant sheep with Toxoplasma gondii: pathological and immunological observations on the placenta and foetus. Buxton D, et al. **J Comp Pathol** 1986 May;96(3):319-33

DIAGNOSIS

A solid phase immunoassay (DIG-ELISA) as a serodiagnostic tool in bovine and porcine Toxoplasma gondii infection. Uggla A, et al. **Dev Biol Stand** 1985; 62:37-42

Carbon immunoassay--a simple and rapid serodiagnostic test for feline toxoplasmosis. Pakes SP, et al. **Lab Anim Sci** 1985 Aug;35(4):370-2

DRUG THERAPY

Clindamycin for treatment of Toxoplasma polymyositis in a dog. Greene CE, et al. **J Am Vet Med Assoc** 1985 Sep 15;187(6):631-4

Difluoromethylornithine and formycin B in toxoplasmosis [letter] Hoffiin JM, et al. **J Infect Dis** 1985 Nov;152(5):1101

Potent in vivo activity of arprinocid, a purine analogue, against murine toxoplasmosis. Luft BJ. **J Infect Dis** 1986 Oct;154(4):692-4

[Effect of pyrimethamine sulfadoxine (Fansidar) on an avirulent cystogenic strain of Toxoplasma gondii (Prugniaud strain) in white mice] Garin JP, et al. **Bull Soc Pathol Exot Filiales** 1985;78(5 Pt 2):821-4 (Fre)

IMMUNOLOGY

Prevalence of Toxoplasma gondii antibodies in southern Louisiana swine in 1980 and 1981. Hugh-Jones ME, et al. **Am J Vet Res** 1986 May;47(5):1050-1

Toxoplasma gondii: decreased resistance to infection in mice due to estrogen. Pung OJ, et al. **Exp Parasitol** 1986 Feb; 61(1):48-56

Lymphocyte functions in acute & chronic murine toxoplasmosis. Goyal M, et al. **Indian J Med Res** 1986 May; 83:487-94

Enhanced primary resistance to Treponema pallidum infection and increased susceptibility to toxoplasmosis in T-cell-depleted guinea pigs. Pavia CS. **Infect Immun** 1986 Aug;53(2):305-11

Antitumor effect of formalin-fixed Toxoplasma gondii organisms on EL4 lymphoma in Toxoplasma-infected mice. Suzuki Y, et al. **J Biol Response Mod** 1986 Aug; 5(4):288-93

Demonstration of Toxoplasma antigen containing complexes in active toxoplasmosis. van Knapen F, et al. **J Clin Microbiol** 1985 Oct;22(4):645-50

Acute toxoplasma infection of mice induces spleen NK cells that are cytotoxic for T. gondii in vitro. Hauser WE Jr, et al. **J Immunol** 1986 Jan;136(1):313-9

[Swine toxoplasmosis. 1. Experimental inoculation with tachyzoites of Toxoplasma gondii by the intraperitoneal route. Development of antibodies demonstrated by the indirect immunofluorescence and hemagglutination tests] D'Angelino JL, et al. **Bol Of Sanit Panam** 1986 Apr; 100(4):400-11 (Eng. Abstr.) (Por)

[Swine toxoplasmosis. 2. Comparative study of the indirect immunofluorescence and hemagglutination tests for the measurement of anti-Toxoplasma antibodies in swine serum] Ishizuka MM, et al. **Bol Of Sanit Panam** 1986 May; 100(5):524-30 (Eng. Abstr.) (Por)

METABOLISM

Changes in brain concentrations of catecholamines and indoleamines in Toxoplasma gondii infected mice. Stibbs HH. **Ann Trop Med Parasitol** 1985 Apr;79(2):153-7

OCCURRENCE

Sarcocystis capracanis and Toxoplasma gondii infections in range goats from Texas. Dubey JP, et al. **Am J Vet Res** 1986 Mar;47(3):523-4

Toxoplasma seroprevalence in animals in northern India. Chhabra MB, et al. **Int J Zoonoses** 1985 Jun;12(2):136-42

Epidemiologic findings on a swine farm with enzootic toxoplasmosis. Dubey JP, et al. **J Am Vet Med Assoc** 1986 Jul 1;189(1):55-6

Toxoplasma gondii infection of cats in Beirut, Lebanon. Deeb BJ, et al. **J Trop Med Hyg** 1985 Oct;88(5):301-6

A review of toxoplasmosis of animals in the U.S.S.R. Beyer TV, et al. **Vet Parasitol** 1986 Feb;19(3-4):225-43 (118 ref.)

[Swine toxoplasmosis. 3. Evaluation of the prevalence of Toxoplasma infection in swine herds using the indirect immunofluorescence test and hemagglutination] D'Angelino JL, et al. **Bol Of Sanit Panam** 1986 Jun; 100(6):634-47 (Eng. Abstr.) (Por)

[Prevalence of equine toxoplasmosis evaluated by the indirect immunofluorescence technic, Matto Grosso do Sul, Brazil] Larangeira NL, et al. **Bol Of Sanit Panam** 1985 Aug; 99(2):158-62 (Eng. Abstr.) (Por)

PARASITOLOGY

In vitro cultivation of Toxoplasma gondii cysts in astrocytes in the presence of gamma interferon. Jones TC, et al. **Infect Immun** 1986 Jan;51(1):147-56

The effects of cyclosporine on Toxoplasma gondii in vivo and in vitro. McCabe RE, et al. **Transplantation** 1986 May; 41(5):611-5

Sarcocystosis, toxoplasmosis, and cryptosporidiosis in cattle. Dubey JP, et al. **Vet Clin North Am Food [Food Anim Pract]** 1986 Jul; 2(2):293-8

[Reinfection by Toxoplasma gondii Nicolle & Manceaux, 1909 in mice and cats. Experimental study] Jamra LM, et al. **Rev Inst Med Trop Sao Paulo** 1985 Nov-Dec; 27(6):318-27 (Eng. Abstr.) (Por)

PATHOLOGY

The effect of transfer factor on lymph node morphology in murine toxoplasmosis. Dundas SA, et al. **Br J Exp Pathol** 1986 Apr;67(2):181-90

Clinicopathological features of a congenital murine model of ocular toxoplasmosis. Dutton GN, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(3):256-64

Acute death associated with Toxoplasma gondii in ring-tailed lemurs. Dubey JP, et al. **J Am Vet Med Assoc** 1985 Dec 1;187(11):1272-3

Toxoplasmosis in a feral northern fur seal. Holshuh HJ, et al. **J Am Vet Med Assoc** 1985 Dec 1;187(11):1229-30

Histopathology of kidney and lung in experimental single Toxoplasma and concomitant Toxoplasma and malaria infection in rats. Salem SA, et al. **J Egypt Soc Parasitol** 1985 Dec;15(2):387-95

Fatal systemic toxoplasmosis in a wild turkey. Howerth EW, et al. **J Wildl Dis** 1985 Oct;21(4):446-9

PREVENTION & CONTROL

[Prevention of toxoplasmosis of animal origin] Mantovani A, et al. **Ann Ist Super Sanita** 1984;20(4):313-6 (Eng. Abstr.) (Ita)

THERAPY

In vivo recombinant interleukin 2 administration enhances survival against a lethal challenge with Toxoplasma gondii. Sharma SD, et al. **J Immunol** 1985 Dec;135(6):4160-3

TRANSMISSION

Toxoplasma prevalence and human occupational groups. Gupta SL, et al. **Int J Zoonoses** 1985 Jun;12(2):143-6

Toxoplasmosis in animals and the public health aspects. Okolo MI. **Int J Zoonoses** 1985 Dec;12(4):247-56 (59 ref.)

The effect of low temperature on the infectivity of Toxoplasma gondii cysts in sheep meat [letter] Michael SA, et al. **J Egypt Soc Parasitol** 1986 Jun;16(1):371-2

TOXOPLASMOSIS, CONGENITAL

Toxoplasmosis in animals and the public health aspects. Okolo MI. **Int J Zoonoses** 1985 Dec;12(4):247-56 (59 ref.)

Congenital toxoplasmosis. Ritter SE, et al. **J Obstet Gynecol Neonatal Nurs** 1985 Nov-Dec; 14(6):435-9 (27 ref.)

[Congenital toxoplasmosis] Vujošević M. **Srp Arh Celok Lek** 1985 May-Jun;113(5-6):473-9 (Eng. Abstr.) (Scc)

COMPLICATIONS

A treatable cause of hydrops fetalis. Roper HP. **J R Soc Med** 1986 Feb;79(2):109-10

Hydrocephalus following toxoplasmosis. Kaiser G. **Z Kinderchir** 1985 Dec;40 Suppl 1:10-1

[Congenital toxoplasmosis and late sequelae] Loewer-Sieger DH, et al. **Ned Tijdschr Geneeskd** 1985 Nov 23; 129(47):2253-6 (Eng. Abstr.) (Dut)

[Congenital toxoplasmosis: a clinical illustration] Schrander-Stumpel CT. **Ned Tijdschr Geneeskd** 1985 Nov 23;129(47):2241-3 (Dut)

DIAGNOSIS

The toxoplasma agglutination antigen as a tool for routine screening and diagnosis of toxoplasma infection in the mother and infant. Desmonts G, et al. **Dev Biol Stand** 1985; 62:31-5

Congenital toxoplasmosis. Ali US, et al. **Indian Pediatr** 1985 May;22(5):387–92

Serologic determination of toxoplasmosis in patients with clinical manifestations. Azab ME, et al. **J Egypt Soc Parasitol** 1986 Jun;16(1):315–22

Results of 20-year follow-up of congenital toxoplasmosis. Koppe JG, et al. **Lancet** 1986 Feb 1;1(8475):254–6

Detection of Toxoplasma-specific IgM in cord blood sera by antibody-class capture enzyme-linked immunosorbent assay. Johnson AM, et al. **Pathology** 1985 Oct;17(4):586–9

[Difficulties in the diagnosis of congenital toxoplasmosis in newborn infants] Norska-Borówka I, et al. **Wiad Parazytol** 1985;31(2):147–52 (Eng. Abstr.) **(Pol)**

[Congenital Toxoplasma gondii and Trypanosoma cruzi infections] Thiermann E, et al. **Rev Chil Pediatr** 1985 May–Jun;56(3):143–50 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

[Severe complications arising from the prescription of pyrimethamine for infants being treated for toxoplasmosis] Elmalem J, et al. **Therapie** 1985 Sep–Oct;40(5):357–9 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Congenital toxoplasmosis after maternal infection before or slightly after conception. Haentjens M, et al. **Acta Paediatr Scand** 1986 Mar;75(2):343–5

IMMUNOLOGY

Prospective serological and clinical studies on infants born in Kuwait with an elevated IgM in cord blood. Al-Nakib W, et al. **Bull WHO** 1985;63(4):745–50

Lymphocyte anergy specific to Toxoplasma gondii antigens in a baby with congenital toxoplasmosis. McLeod R, et al. **J Clin Lab Immunol** 1985 Jul;17(3):149–53

Recognition of different Toxoplasma antigens by IgM and IgG antibodies in mothers and their congenitally infected newborns. Remington JS, et al. **J Infect Dis** 1985 Nov; 152(5):1020–4

Immune status to congenital infections by TORCH agents in pregnant Saudi women. Hossain A, et al. **J Trop Pediatr** 1986 Apr;32(2):83–6

[Congenital toxoplasmosis] Turunen H, et al. **Duodecim** 1985; 101(24):2423–7 (Eng. Abstr.) **(Fin)**

PATHOLOGY

Strain of mouse and Toxoplasma used in the mouse model of congenital toxoplasmosis at Strathclyde University. Hutchison WM. **Ann Trop Med Parasitol** 1986 Apr; 80(2):253–5

Congenital toxoplasmic myocarditis: case report of an unusual presentation. Garcia AG, et al. **Ann Trop Paediatr** 1985 Dec;5(4):227–30

Clinicopathological features of a congenital taurine model of ocular toxoplasmosis. Dutton GN, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(3):256–64

PHYSIOPATHOLOGY

[Brain electrical picture following congenital toxoplasmosis and listeriosis] Degen R. **Psychiatr Neurol Med Psychol Beih** 1967;6:10–8 **(Ger)**

PREVENTION & CONTROL

[A proposed protocol for prevention of congenital toxoplasmosis adaptable in a tropical zone] Bessières MH, et al. **Bull Soc Pathol Exot Filiales** 1985;78(5 Pt 2):815–20 (Eng. Abstr.) **(Fre)**

[Validation of an EIA test for the determination of anti-toxoplasma IgG antibodies in pre-conception preventive medicine] Rigoli E, et al. **Ann Ist Super Sanita** 1986;22(1):233–8 (Eng. Abstr.) **(Ita)**

[Prevention of congenital toxoplasmosis in a women's dispensary] Shevkunova EA, et al. **Akush Ginekol (Mosk)** 1985 Oct;(10):61–3 **(Rus)**

TRANSMISSION

Congenital toxoplasmosis in premature twins. Sibalić D, et al. **Folia Parasitol (Praha)** 1986;33(1):1–6

TOXOPLASMOSIS, OCULAR

CLASSIFICATION

Outer retinal layer toxoplasmosis. Doft BH, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(1):78–82

COMPLICATIONS

Diffuse toxoplasmic retinochoroiditis in a patient with AIDS. Parke DW 2d, et al. **Arch Ophthalmol** 1986 Apr; 104(4):571–5

[Fuchs' syndrome and cicatrix of toxoplasma chorioretinitis. Pathogenetic discussion] Saraux H, et al. **Bull Soc Ophtalmol Fr** 1985 Aug–Sep;85(8–9):959–62 **(Fre)**

DIAGNOSIS

Toxoplasmic retinochoroiditis as an initial manifestation of the acquired immune deficiency syndrome. Weiss A, et al. **Am J Ophthalmol** 1986 Feb 15;101(2):248–9

[Ocular toxoplasmosis in clinical and immunological evaluation] Kociecka W, et al. **Klin Oczna** 1985 Apr; 87(4):161–4 (Eng. Abstr.) **(Pol)**

[Usefulness of fluorescein angiography in ocular toxoplasmosis] Ziobrowski S. **Klin Oczna** 1985 Aug; 87(8):330–3 (Eng. Abstr.) **(Pol)**

[Positive Sabin-Feldman test in eye diseases in children] Ziobrowski S. **Klin Oczna** 1985 Oct;87(10):409–10 (Eng. Abstr.) **(Pol)**

[Serology of toxoplasmosis in eye infections] Literat A, et al. **Rev Chir [Oftalmol]** 1985 Jul–Sep;29(3):191–5 (Eng. Abstr.) **(Rum)**

DRUG THERAPY

[Influence of the treatment on humoral immunity in toxoplasmosis] Durquety MC, et al. **Bull Soc Ophtalmol Fr** 1984 Oct;84(10):1089–93, 1096 **(Fre)**

[Effect of treatment on the Sabin-Feldman test in ocular toxoplasmosis] Ziobrowski S. **Klin Oczna** 1985 Aug; 87(8):324–6 (Eng. Abstr.) **(Pol)**

[Treatment of ocular toxoplasmosis] Ziobrowski S. **Klin Oczna** 1985 Jun;87(6):243–4 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

[Familial occurrence of toxoplasmosis] Ziobrowski S. **Klin Oczna** 1985 May;87(5):210–1 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Serology in ocular toxoplasmosis. Rothova A, et al. **Br J Ophthalmol** 1986 Aug;70(8):615–22

Toxoplasmosis. Two observations and a specification. Brigato G, et al. **Clin Exp Obstet Gynecol** 1985;12(3–4):82–5

[Immunity and hypersensitivity in ocular toxoplasmosis. Theoretical bases] Durquety MC, et al. **Bull Soc Ophtalmol Fr** 1984 Oct;84(10):1085–7 **(Fre)**

[Specific antibodies in the vitreous humor in ocular toxoplasmosis] Canosa A, et al. **Rev Latinoam Microbiol** 1985 Jul–Sep;27(3):209–12 (Eng. Abstr.) **(Spa)**

OCCURRENCE

[Toxoplasmosis. II. Aspects relating to ocular disorders] Machín R, et al. **Rev Cubana Med Trop** 1984 Sep–Dec; 36(3):305–14 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

[Electron microscopic study on the cyst of Toxoplasma gondii in the mouse retina] Shimizu K, et al. **Nippon Ganka Gakkai Zasshi** 1985 Aug;89(8):953–60 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Clinicopathological features of a congenital murine model of ocular toxoplasmosis. Dutton GN, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(3):256–64

TOYOCAMYCIN see under **RIBONUCLEOSIDES**

TOYOMICIN see under **CHROMOMYCINS**

TOYS see **PLAY AND PLAYTHINGS**

TPN see **NADP**

TRABECULAR MESHWORK

ANALYSIS

Trabecular meshwork glycosaminoglycans in human and cynomolgus monkey eye. Acott TS, et al. **Invest Ophthalmol Vis Sci** 1985 Oct;26(10):1320–9

CYTOLOGY

The morphological features of bovine meshwork cells in vitro and their synthetic activities. Grierson I, et al. **Graefes Arch Clin Exp Ophthalmol** 1985;223(5):225–36

[Human trabecular meshwork cells in culture] Iwamoto Y, et al. **Nippon Ganka Gakkai Zasshi** 1985 Oct;89(10):1125–33 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Argon laser trabeculoplasty and the open-angle glaucomas. Goldberg I. **Aust N Z J Ophthalmol** 1985 Aug;13(3):243–8

ENZYMOLOGY

Superoxide dismutase and catalase of calf trabecular meshwork. Freedman SF, et al. **Invest Ophthalmol Vis Sci** 1985 Oct;26(10):1330–5

Glucose 6-phosphate dehydrogenase of calf trabecular meshwork. Nguyen K, et al. **Invest Ophthalmol Vis Sci** 1986 Jun;27(6):992–7

METABOLISM

A comparative analysis of the collagen type and distribution in the trabecular meshwork, sclera, lamina cribrosa and the optic nerve in the human eye. Tengroth B, et al. **Acta Ophthalmol [Suppl]** (Copenh) 1985;173:91–3

The effect of dexamethasone on the synthesis of collagen in normal human trabecular meshwork explants. Hernandez MR, et al. **Invest Ophthalmol Vis Sci** 1985 Dec; 26(12):1784–8

PATHOLOGY

Glaucomatocyclitic crises (Posner-Schlossman syndrome). A case report. Harstad HK, et al. **Acta Ophthalmol (Copenh)** 1986 Apr;64(2):146–51

Histopathological and histochemical analysis of trabeculectomy specimens in open angle and steroid induced glaucoma--a clinicopathological study. Sood NN, et al. **Indian J Ophthalmol** 1983;31 Suppl:947–50

RADIATION EFFECTS

Effect of cataract surgery on intraocular pressure reduction obtained with laser trabeculoplasty [letter] Hurvitz LM. **Am J Ophthalmol** 1986 Jan 15;101(1):133

Factors influencing the outcome of laser trabeculoplasty [letter] Werner EB. **Am J Ophthalmol** 1985 Oct 15; 100(4):620–1

Short-term effect of argon laser trabeculoplasty in monkeys. Melamed S, et al. **Arch Ophthalmol** 1985 Oct; 103(10):1546–52

Two years' experience with laser trabeculoplasty. Higgins RA. **Aust N Z J Ophthalmol** 1985 Aug;13(3):237–41

The effect of argon laser trabeculoplasty on the rate of filtering surgery. Gilbert CM, et al. **Ophthalmology** 1986 Mar;93(3):362–5

SURGERY

Repeated argon laser trabeculoplasty. Bergea B. **Acta Ophthalmol (Copenh)** 1986 Jun;64(3):246–50

The laser power needed for optimum results in argon laser trabeculoplasty. Rouhiainen H, et al. **Acta Ophthalmol (Copenh)** 1986 Jun;64(3):254–7

Indications of trabeculectomy in open angle glaucoma. Wilke K, et al. **Acta Ophthalmol (Copenh)** 1986 Jun;64(3):258–62

Penetrating keratoplasty with trabeculectomy. Insler MS, et al. **Am J Ophthalmol** 1985 Oct 15;100(4):593–5

Results of laser trabeculoplasty performed by residents. Brodell G, et al. **Ann Ophthalmol** 1986 Jul;18(7):236–9

Laser trabeculoplasty alert mechanism [letter] Freedman J. **Arch Ophthalmol** 1986 Aug;104(8):1134–5

The effect of preoperative subconjunctival triamcinolone administration on glaucoma filtration. I. Trabeculectomy following subconjunctival triamcinolone. Giangiacomo J, et al. **Arch Ophthalmol** 1986 Jun;104(6):838–41

Delayed response to argon laser trabeculoplasty in monkeys. Morphological and morphometric analysis. Melamed S, et al. **Arch Ophthalmol** 1986 Jul;104(7):1078–83

Long-term follow-up of argon laser trabeculoplasty for uncontrolled open-angle glaucoma. Schwartz AL, et al. **Arch Ophthalmol** 1985 Oct;103(10):1482–4

Laser trabeculoplasty and its effect on tonography, central visual fields, and anterior chamber depth. A preliminary study. Booth FM, et al. **Aust N Z J Ophthalmol** 1985 Nov; 13(4):337–42

Risk of sudden visual loss following trabeculectomy in advanced primary open-angle glaucoma. Aggarwal SP, et al. **Br J Ophthalmol** 1986 Feb;70(2):97–9

Early intraocular pressure response following laser trabeculoplasty. Frucht J, et al. **Br J Ophthalmol** 1985 Oct; 69(10):771–3

Effects of topical indomethacin pretreatment on argon laser trabeculoplasty: a randomised, double-masked study on black South Africans. Gelfand YA, et al. **Br J Ophthalmol** 1985 Sep;69(9):668–72

Trabeculectomy with iridencleisis. Gess LA, et al. **Br J Ophthalmol** 1985 Dec;69(12):881–5

Posterior chamber lens implantation [letter] Hitchings RA. **Br J Ophthalmol** 1985 Dec;69(12):932

Progression of field loss after trabeculectomy: a five-year follow-up. Kidd MN, et al. **Br J Ophthalmol** 1985 Nov; 69(11):827–31

Argon laser trabeculoplasty in exfoliation syndrome. Sherwood MB, et al. **Br J Ophthalmol** 1985 Dec; 69(12):886–90

An in-vitro morphological study of Q-switched neodymium/YAG laser trabeculotomy. Venkatesh S, et al. **Br J Ophthalmol** 1986 Feb;70(2):89–96

Follow-up after 5 years of trabeculectomies. Nijs I, et al. **Bull Soc Belge Ophtalmol** 1984;210:35–40

Late results after sinusotrabeculectomy. Baichev C. **Folia Med (Plovdiv)** 1984;26(4):20–3

Glaucoma filtration surgery: a personal review. Sugar S. **Henry Ford Hosp Med J** 1985;33(4):160–3

Trabeculectomy-filtering or non-filtering. Kashyap BP. **Indian J Ophthalmol** 1983;31 Suppl:833–5

Trabeculectomy in congenital glaucoma. Rao KV, et al. **Indian J Ophthalmol** 1984 Sep–Oct;32(5):439–40

Combined trabeculectomy and cataract extraction (in lens induced glaucoma). Sinha A. **Indian J Ophthalmol** 1983;31 Suppl:836–8

Methods of argon laser trabeculoplasty, complications and long-term follow-up of the results. Eguchi S, et al. **Jpn J Ophthalmol** 1985;29(2):198–211

Trabeculectomy: a prospective study of complications and results of long-term follow-up. Yamashita H, et al. **Jpn J Ophthalmol** 1985;29(3):250–62

Combined trabeculectomy and cataract extraction. Dellaporta A. **Ophthalmic Surg** 1985 Aug;16(8):487–94
Argon laser trabeculoplasty in a residency program. Khan KA, et al. **Ophthalmic Surg** 1986 Jun;17(6):343–50
Trabeculectomy with implantation of the Mendez Glaucoma Seton: early results. Stewart RH, et al. **Ophthalmic Surg** 1986 Apr;17(4):221–6
Trabeculoperforation? Trabeculoretraction? Trabeculoplasty? Review of the various designations used for laser treatment in primary open-angle glaucoma. Moulin F, et al. **Ophthalmologica** 1985;191(2):75–83
Argon laser trabeculoplasty in black and white patients with primary open-angle glaucoma. Krupin T, et al. **Ophthalmology** 1986 Jun;93(6):811–6
Errors in laser spot size in laser trabeculoplasty [letter] Pomerantzeff O. **Ophthalmology** 1985 Sep;92(9):59A–60A
The use of PhEA 34c in trabeculectomy. Teekhasaenee C, et al. **Ophthalmology** 1986 Apr;93(4):487–91
The therapeutic limitations of argon laser trabeculoplasty. Fink AI, et al. **Trans Am Ophthalmol Soc** 1985;83:236–49
Trabeculectomy, cataract extraction and intra-ocular lens implantation. Galin MA, et al. **Trans Ophthalmol Soc UK** 1985;104 (Pt 5):570–3
Lens implantation combined with trabeculectomy. Huber C, et al. **Trans Ophthalmol Soc UK** 1985;104 (Pt 5):574–7
[Argon-laser trabeculoplasty in open-angle glaucoma] Verworst F, et al. **Bull Soc Belge Ophtalmol** 1984;210:11–23 (Eng. Abstr.) (Fre)
[In vitro YAG-laser trabeculotomy. Anatomo-pathological study] Cohn H, et al. **Bull Soc Ophtalmol Fr** 1985 Aug–Sep; 85(8–9):979–82 (Eng. Abstr.) (Fre)
[Our initial results of argon laser trabeculoretraction in open-angle glaucoma. Apropos of 100 cases] Malthieu D, et al. **Bull Soc Ophtalmol Fr** 1984 Dec;84(12):1375–8 (Fre)
[Results of 300 trabeculoretractions and study of the late failures in 150 cases with 1 year of follow-up] Moulin F, et al. **Bull Soc Ophtalmol Fr** 1984 Dec;84(12):1379–90 (Fre)
[Trabeculoretraction. Particulars of the technic and its variants. Unusual cases and indications] Moulin F, et al. **Bull Soc Ophtalmol Fr** 1984 Dec;84(12):1357–65 (Fre)
[Uveal effusion syndrome following trabeculectomy in a case of Sturge-Weber-Krabbe syndrome] Turut P, et al. **Bull Soc Ophtalmol Fr** 1985 Jan;85(1):33–4, 37–9 (Eng. Abstr.) (Fre)
[Failures of trabeculoretraction] Valtot F, et al. **Bull Soc Ophtalmol Fr** 1984 Dec;84(12):1391–6 (Fre)
[Long-term results of trabeculectomy] Deschatres F, et al. **J Fr Ophtalmol** 1985;8(11):705–10 (Eng. Abstr.) (Fre)
[Argon laser trabeculoretraction in chronic open-angle glaucoma. Personal results based on 100 eyes] Xu XL, et al. **J Fr Ophtalmol** 1985;8(3):219–25 (Eng. Abstr.) (Fre)
[Conjunctival incision in extracapsular cataract operations using posterior chamber lens implantation in combination with trabeculectomy] Frey C, et al. **Fortschr Ophthalmol** 1986;83(2):211–3 (Eng. Abstr.) (Ger)
[Tonographic follow-up after laser trabeculoplasty] Bischoff P, et al. **Klin Monatsbl Augenheilkd** 1985 Nov;187(5):337–9 (Eng. Abstr.) (Ger)
[Extended sinusectomy (trabeculectomy with cyclodialysis effect). Late results and analysis of failures] Remky H. **Klin Monatsbl Augenheilkd** 1986 Apr;188(4):278–82 (Eng. Abstr.) (Ger)
[Demonstration of the tonographic effect in YAG laser trabeculoplasty in chronic glaucoma] Schrems W, et al. **Klin Monatsbl Augenheilkd** 1985 Sep;187(3):170–2 (Eng. Abstr.) (Ger)
[Argon laser trabeculoplasty in simple glaucoma] Skorpik C, et al. **Klin Monatsbl Augenheilkd** 1986 Apr;188(4):288–90 (Eng. Abstr.) (Ger)
[Intraocular pressure lowering effect of dosed laser coagulation of the corneoscleral trabeculum. I. Tonographic analysis of the early postoperative phase] Stepanik J. **Klin Monatsbl Augenheilkd** 1985 Nov; 187(5):340–2 (Eng. Abstr.) (Ger)
[Histopathological study of laser trabeculoplasty in the monkey] Miura T. **Nippon Ganka Gakkai Zasshi** 1986 Jan; 90(1):141–51 (Eng. Abstr.) (Jpn)
[Laser treatment of glaucoma. Laser trabeculoplasty] Hilberg P, et al. **Tidsskr Nor Laegeforen** 1985 Aug 30; 105(24):1591–3 (Eng. Abstr.) (Nor)
[Cataract cryoextraction combined with trabeculectomy] Gerkowicz K, et al. **Klin Oczna** 1985 Jun;87(6):254–5 (Eng. Abstr.) (Pol)
[Late results of trabeculotomy in congenital glaucoma] Karczewicz D, et al. **Klin Oczna** 1986 Feb;88(2):41–2 (Eng. Abstr.) (Pol)
[Cases of congenital glaucoma with a follow-up for several years] Koraszewska-Matuszewska B, et al. **Klin Oczna** 1985 Nov;87(11):451–3 (Eng. Abstr.) (Pol)
[Simultaneous surgical treatment of cataract and glaucoma in children] Koraszewska-Matuszewska B, et al. **Klin Oczna** 1986 Feb;88(2):43–5 (Eng. Abstr.) (Pol)
[Hypotensive effect of argon lasertrabeculospasis in the treatment of open-angle glaucoma] Chokova IB. **Oftalmol Zh** 1985;(8):474–6 (Eng. Abstr.) (Rus)
[Late results of fistulizing iridocycloretraction and valvular trabeculotomy] Nesterov AP, et al. **Oftalmol Zh** 1985; (8):488–9 (Eng. Abstr.) (Rus)
[Efficacy of laser trabeculoplasty in patients with open-angle glaucoma] Smelovskii AS, et al. **Oftalmol Zh** 1985; (8):479–81 (Eng. Abstr.) (Rus)
[Destruction of the sinusotrabecular meshwork in primary glaucoma] Zalkova MV, et al. **Oftalmol Zh** 1986;(3):161–3 (Eng. Abstr.) (Rus)
[Filtering variants of trabeculectomy in open-angle glaucoma] Abramov VG, et al. **Vestn Oftalmol** 1985 Sep–Oct;101(5):7–10 (Eng. Abstr.) (Rus)
[Modification of Flieringa's ring for combined operations with opening of the eyeball] Baranov IIa, et al. **Vestn Oftalmol** 1985 Jul–Aug;101(4):68 (Rus)
[A gauge device for sclerotomy and sinusotrabeculectomy in anti-glaucoma operations] Galdal VM, et al. **Voen Med Zh** 1986 Jun;(6):71 (Rus)

ULTRASTRUCTURE

Quantitative analysis of 'plaque material' in the inner- and outer wall of Schlemm's canal in normal- and glaucomatous eyes. Lütjen-Drecoll E, et al. **Exp Eye Res** 1986 May;42(5):443–55
Effects of prolonged intracameral perfusion with mock aqueous humour on the morphology of the primate outflow apparatus. McMenamin PG, et al. **Exp Eye Res** 1986 Jul; 43(1):129–41
Nonrandom distribution of coated pits and vesicles in the connective tissue cells of the trabecular meshwork of rabbit. Diaz G, et al. **Graefes Arch Clin Exp Ophthalmol** 1986; 224(2):147–51
Investigations of cytoskeletal elements in cultured bovine meshwork cells. Grierson I, et al. **Invest Ophthalmol Vis Sci** 1986 Sep;27(9):1318–30
The cytoskeleton of the cynomolgus monkey trabecular cell. I. General considerations. Ryder MI, et al. **Invest Ophthalmol Vis Sci** 1986 Sep;27(9):1305–11
The cytoskeleton of the cynomolgus monkey trabecular cell. II. Influence of cytoskeleton-active drugs. Weinreb RN, et al. **Invest Ophthalmol Vis Sci** 1986 Sep;27(9):1312–7
[Histopathological study of the trabecular meshwork and iris in exfoliation syndrome with glaucoma] Ito N, et al. **Nippon Ganka Gakkai Zasshi** 1985 Jul;89(7):838–49 (Eng. Abstr.) (Jpn)
[Human trabecular meshwork cells in culture—an electron microscopic study] Tamura M, et al. **Nippon Ganka Gakkai Zasshi** 1986 May;90(5):729–36 (Eng. Abstr.) (Jpn)

TRACE ELEMENTS

Metals: trace-elements and toxics. **Ann Biol Clin (Paris)** 1985; 43(4):529–34
Immunological enhancement by fat-soluble vitamins, minerals, and trace metals: a factor in cancer prevention. Watson RR. **Cancer Detect Prev** 1986;9(1–2):67–77
Silicon as an essential trace element in animal nutrition. Carlisle EM. **Ciba Found Symp** 1986;121:123–39
Trace elements in development and disease. Garnica AD, et al. **Curr Probl Pediatr** 1986 Feb;16(2):45–120 (481 ref.)
Trace elements in chemical evolution. II: Synthesis of amino acids under simulated primitive earth conditions in the presence of trace elements. Kobayashi K, et al. **Orig Life** 1985;16(1):57–67
Trace elements in chemical evolution, I. Kobayashi K, et al. **Orig Life** 1985;16(1):41–55

ADMINISTRATION & DOSAGE

Multivitamin–mineral supplementation: effects on blood chemistries of college-age women. Spiller GA, et al. **Acta Vitaminol Enzymol** 1985;7(3–4):217–22
The development of acid–base reaction cements as formulations for the controlled release of trace elements. Prosser HJ, et al. **Biomaterials** 1986 Mar;7(2):109–12

ADVERSE EFFECTS

Neuropsychiatric aspects of trace elements. Linter CM. **Br J Hosp Med** 1985 Dec;34(6):361–5
[Hygienic characteristics of the working conditions in the manufacture of mineral feed premixes] Tsapko VG, et al. **Gig Sanit** 1986 Apr;(4):35–8 (Eng. Abstr.) (Rus)

ANALYSIS

Estimation of zinc and other trace elements in the nails of Hungarian adult twin pairs by neutron activation analysis. Forrai G, et al. **Acta Biochim Biophys Acad Sci Hung** 1984; 19(3–4):299–304
Element concentrations in serum, erythrocytes, hair and urine of alopecia patients. Mussalo-Rauhamaa H, et al. **Acta Derm Venereol (Stockh)** 1986;66(2):103–9
Multielement assays of canine serum, liver, and kidney by inductively coupled argon plasma emission spectroscopy. Stowe HD, et al. **Am J Vet Res** 1986 Apr;47(4):822–7
Trace element determination using synchrotron radiation. Giauque RD, et al. **Anal Chem** 1986 Apr;58(4):940–4
Trace element analysis of biological samples. Veillon C. **Anal Chem** 1986 Jul;58(8):851A–866A
Cellulose acetate coated mercury film electrodes for anodic stripping voltammetry. Wang J, et al. **Anal Chem** 1986 Feb; 58(2):402–7
Instrumental determination of some trace elements in biological materials by epithermal and thermal neutron activation analysis. Chisela F, et al. **Analyst** 1986 Apr; 111(4):405–10
Determination of 28 elements in American cigarette tobacco by neutron-activation analysis. Iskander FY, et al. **Analyst** 1986 Jan;111(1):107–9
Use of spectroscopic techniques for the determination of trace metals in natural waters and sediments. Boniforti R, et al. **Ann Ist Super Sanita** 1983;19(4):597–603
Development of a hollow cathode method for the spectroanalytical determination of trace elements in biological materials. Caroli S, et al. **Ann Ist Super Sanita** 1983;19(4):495–502
Determination of trace elements in airborne dusts by means of the spark-like d.c. arc. Paksy L. **Ann Ist Super Sanita** 1983;19(4):555–60
The ICP in the analysis of biological materials: possibilities and limitations. Rossi G, et al. **Ann Ist Super Sanita** 1983; 19(4):503–7
Estimation of minerals and trace elements provided by beverages for the adult in France. Darret G, et al. **Ann Nutr Metab** 1986;30(5):335–44
Cigarettes as a source of some trace and heavy metals and pesticides in man. Mussalo-Rauhamaa H, et al. **Arch Environ Health** 1986 Jan–Feb;41(1):49–55
Trace elements and antibacterial activity in amniotic fluid. Honkonen E, et al. **Biol Neonate** 1986;50(1):21–6
Trace determination and isotopic analysis of the elements in life sciences by mass spectrometry. Heumann KG. **Biomed Mass Spectrom** 1985 Sep;12(9):477–88
Trace metal residues in biota and sediments from Lake Pontchartrain, Louisiana. Byrne CJ, et al. **Bull Environ Contam Toxicol** 1986 Jul;37(1):151–8
Trace-elements in sheep grazing near a lead-zinc smelting complex at Port Pirie, South Australia. Koh TS, et al. **Bull Environ Contam Toxicol** 1986 Jul;37(1):87–95
Trace metal export in urban runoff and its biological significance. Liston P, et al. **Bull Environ Contam Toxicol** 1986 Jun;36(6):900–5
Trace metals in mussels (Mytilus edulis) from the Waddenzee, coastal North Sea and the estuaries of Ems, Western and Eastern Scheldt. Luten JB, et al. **Bull Environ Contam Toxicol** 1986 May;36(5):770–7
Trace elements in human hair: an international comparison. Takagi Y, et al. **Bull Environ Contam Toxicol** 1986 Jun; 36(6):793–800
Trace elements in sediments, water, and American coots (Fulica americana) at a coal-fired power plant in Texas, 1979–1982. White DH, et al. **Bull Environ Contam Toxicol** 1986 Mar;36(3):376–83
Simultaneous determination of trace elements in lavage fluids from human bronchial alveoli by energy-dispersive x-ray fluorescence. 2: Determination of abnormal lavage contents and verification of the results. Maier EA, et al. **Clin Chem** 1986 Apr;32(4):664–8
Preparation and certification of human hair powder reference material. Okamoto K, et al. **Clin Chem** 1985 Oct; 31(10):1592–7
Trace metals in humic acids and their hydrolysis products. Huljev DJ. **Environ Res** 1986 Apr;39(2):258–64
A comparative study of seminal trace elements in fertile and infertile men. Umeyama T, et al. **Fertil Steril** 1986 Sep; 46(3):494–9
Bioaccumulation factors in marine organisms. Cohen BL. **Health Phys** 1985 Dec;49(6):1290–4
The phytic acid mineral, trace element, protein and moisture content of UK Asian immigrant foods. Davies NT, et al. **Hum Nutr Appl Nutr** 1986 Feb;40(1):49–59
Trace metals in food [editorial] Sneddon JM. **Hum Toxicol** 1986 Jul;5(4):219–20
Trace minerals and magnesium in athrosclerosis and hypertension. Singh RB, et al. **J Assoc Physicians India** 1985 Jun;33(6):411–4
Biological monitoring of environmental pollution and human exposure to some trace elements. Bencko V, et al. **J Hyg Epidemiol Microbiol Immunol** 1986;30(1):1–10
Activation analysis of human hair as a tool for environmental pollution monitoring. Obrusnik I. **J Hyg Epidemiol Microbiol Immunol** 1986;30(1):11–25 (45 ref.)
The hair of the common hare (Lepus europaeus Pall.) and of the common vole (Microtus arvalis Pall.) as indicator of the environmental pollution. Paukert J, et al. **J Hyg Epidemiol Microbiol Immunol** 1986;30(1):27–32
Trace metal contamination of albumin solutions used for plasma exchange [letter] Fell GS, et al. **Lancet** 1986 Aug 23;2(8504):467–8
A review of, and improvements to, the techniques of trace element analysis of raw water for home dialysis. Cameron AP, et al. **Life Support Syst** 1986 Jan–Mar;4(1):1–13
Trace elements in normal and cirrhotic human liver tissue. I. Iron, copper, zinc, selenium, manganese, titanium and lead measured by X-ray fluorescence spectrometry. Milman N, et al. **Liver** 1986 Apr;6(2):111–7
Elemental and trace element distribution in medical samples: analysis by proton-induced X-ray emission. Spieker C, et al. **Methods Find Exp Clin Pharmacol** 1986 Jun;8(6):363–6
Brain trace elements in Alzheimer's disease. Ehmann WD, et al. **Neurotoxicology** 1986 Spring;7(1):195–206
Trace elements in precipitation over an industrial area of Bombay. Mahadevan TN, et al. **Sci Total Environ** 1986 Feb;48(3):213–21
Heavy metals and essential elements in livers of the polar bear (Ursus maritimus) in the Canadian Arctic. Norstrom RJ, et al. **Sci Total Environ** 1986 Feb;48(3):195–212

Chromium, nickel, copper, zinc, arsenic, selenium, cadmium, mercury and lead in Dutch fishery products 1977–1984. Vos G, et al. **Sci Total Environ** 1986 Jun;52(1–2):25–40

Traces of toxicity: applications of the scanning proton microprobe. Grodzins L. **Trans NY Acad Sci** 1980;40:93–8

A study of seasonal trace element intakes and hair trace element concentrations in selected households from the Wosera, Papua New Guinea. Ross J, et al. **Trop Geogr Med** 1986 Sep;38(3):246–54

Spectrophotometric determination of toxic trace elements in milk: a review. Herrador MA, et al. **Z Gesamte Hyg** 1986 May;32(5):285–9

Trace metals in flatfish from the southern Baltic, 1983. Falandysz J. **Z Lebensm Unters Forsch** 1985 Aug; 181(2):117–20

Trace metals in muscle tissue of fish taken from the southern Baltic. Szefer P, et al. **Z Lebensm Unters Forsch** 1985 Sep; 181(3):217–20

[Trace element levels of patients with prostatic carcinoma] Tsvetkov M, et al. **Khirurgiia (Sofiia)** 1986;39(2):41–3 (Eng. Abstr.) **(Bul)**

[Changes in micro- and macroelements as affected by sex and age in hybrid pigs] Petkov PI, et al. **Vet Med Nauki** 1986;23(2):23–8 (Eng. Abstr.) **(Bul)**

[Changes in trace elements (zinc, copper and manganese) in the hair before and after severe fractures by proton-induced X-ray emission spectrometry (PIXE)] Wang ZX, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Jul; 23(7):392–4, 443 (Eng. Abstr.) **(Chi)**

[Studies on the content of trace elements in the hair of patients with Wilson's disease and healthy individuals] Zhang ZX, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1985 Aug; 7(4):260–5 (Eng. Abstr.) **(Chi)**

[Arsenic, cadmium, mercury, lead and selenium in slaughtered animals: an overview of a 10-year study] Vaessen HA, et al. **Tijdschr Diergeneeskd** 1986 Jul 15; 111(14):671–6 (Eng. Abstr.) **(Dut)**

[Analysis of trace elements in clinical chemistry] Näntö V, et al. **Duodecim** 1986;102(9):595–604 **(Fin)**

[Vitamin and trace element balance during extremely prolonged parenteral nutrition] Lévy A, et al. **Cah Anesthesiol** 1985 Jun–Jul;33(4):353–9 **(Fre)**

[Gunshot smoke study in relation to type of munition with lead-free powder smoke] Lichtenberg W. **Beitr Gerichtl Med** 1985;43:293–300 (Eng. Abstr.) **(Ger)**

[Trace element content and reactivity of DPT adsorbate vaccines] Lüderitz P, et al. **Z Gesamte Hyg** 1985 Jul; 31(7):440 **(Ger)**

[Multielement analysis of brown coal, fly ash and sedimentation dust by ICP spectrometry] Marquardt D, et al. **Z Gesamte Hyg** 1985 Nov;31(11):614–7 (Eng. Abstr.) **(Ger)**

[Trace elements in cow's milk on sale in Le Marche] Dei Prete U, et al. **Nuovi Ann Ig Microbiol** 1984 Jul–Aug; 35(4):313–23 (Eng. Abstr.) **(Ita)**

[A study on the patterns of various trace elements in scalp hair of growing children and adolescents] Tsugane S. **Nippon Eiseigaku Zasshi** 1985 Jun;40(2):619–26 (Eng. Abstr.) **(Jpn)**

[Trace element concentrations in tissues of patients with chronic renal failure by non-destructive neutron activation analysis] Sato N, et al. **Nippon Jinzo Gakkai Shi** 1986 Feb; 28(2):197–202 (Eng. Abstr.) **(Jpn)**

[Determination of elements in bovine tissues by instrumental neutron activation analysis] Ito N, et al. **Radioisotopes** 1986 Feb;35(2):65–9 (Eng. Abstr.) **(Jpn)**

[Metal studies on Alzheimer disease by neutron activation analysis] Yoshimasu F, et al. **Rinsho Shinkeigaku** 1985 Jun; 25(6):738–43 (Eng. Abstr.) **(Jpn)**

[Trace element components of the synovial fluid in rheumatoid polyarthritis and arthrosis] Suteanu S, et al. **Rev Med Interna [Med Interna]** 1985 Sep–Oct;37(5):421–4 **(Rum)**

[Use of correlation-regression analysis in studying the effect of mineral fertilizers on the concentration of microelements in vegetables] Chapkiavichene ES, et al. **Gig Sanit** 1985 Nov;(11):91–2 **(Rus)**

[Nature of the mineralization of a supragingival dental calculus] Pilat TL. **Stomatologiia (Mosk)** 1986 Mar–Apr; 65(2):14–6 (Eng. Abstr.) **(Rus)**

[Dynamics of biometal distribution in breast milk] Aleshko-Ozhevskii IuP, et al. **Vopr Pitan** 1985 Sep–Oct; (5):58–63 (Eng. Abstr.) **(Rus)**

[Element composition of pollen collected in the Lithuanian S.S.R.] Chapkiavichene ES, et al. **Vopr Pitan** 1986 Jan–Feb; (1):73–4 **(Rus)**

[Mineral composition of the protein concentrates made from nontraditional raw plant materials] Kononko LN, et al. **Vopr Pitan** 1986 Mar–Apr;(2):69–72 (Eng. Abstr.) **(Rus)**

BLOOD

Dietary intake, trace elements and serum protein status in young diabetics. Gebre-Medhin M, et al. **Acta Paediatr Scand [Suppl]** 1985;320:38–43

Maternal plasma proteins, magnesium, zinc and copper concentration at term associated with birth size in Kuwait. Mameesh MS, et al. **Acta Vitaminol Enzymol** 1985; 7(3–4):183–7

Characterization of a bovine serum reference material for major, minor, and trace elements. Veillon C, et al. **Anal Chem** 1985 Sep;57(11):2106–9

Biochemical effect of selenium and vitamin E/selenium administration on some trace elements in clinically normal suckling buffalo calves. Amer HA, et al. **Arch Exp Veterinarmed** 1985 Nov;39(6):847–51

Sampling and analysis techniques for monitoring serum for trace elements. Ericson SP, et al. **Clin Chem** 1986 Jul; 32(7):1350–6

Three-year study on trace mineral concentration in the blood plasma of Shetland pony mares. Gromadzka-Ostrowska J, et al. **Comp Biochem Physiol [A]** 1985;82(3):651–60

Copper salicylate complex: thermoregulatory and biochemical effects. Hać EE, et al. **Drugs Exp Clin Res** 1985;11(8):469–78

Blood levels of vanadium, caesium, and other elements in depressive patients. Ali SA, et al. **J Affective Disord** 1985 Sep;9(2):187–91

[Analysis of trace elements by proton induced X-ray emission (PIXE) in serum of patients with liver cancer and normal subjects] Liu XM. **Chung Hua Chung Liu Tsa Chih** 1985 Nov;7(6):411–3 (Eng. Abstr.) **(Chi)**

[Assay of trace elements in the serum by the PIXE method in patients with Crohn's disease] Deflandre J, et al. **Gastroenterol Clin Biol** 1985 Oct;9(10):719–25 (Eng. Abstr.) **(Fre)**

[Comparative studies of trace elements in healthy calves and calves with neonatal septicemia] Türközkan N, et al. **DTW** 1985 Nov 26;92(11–12):473–4 (Eng. Abstr.) **(Ger)**

[Heavy metal and trace element concentrations in patients with idiopathic dilated cardiomyopathy] Smetana R, et al. **Wien Klin Wochenschr** 1985 Sep 13;97(17):697–701 (Eng. Abstr.) **(Ger)**

[Role of trace elements in the dynamics of arteriosclerosis] Anke M. **Z Gesamte Inn Med** 1986 Feb 15;41(4):105–11 (Eng. Abstr.) **(Ger)**

[Determination of serum trace elements in patients with chronic liver disease by the inductively coupled argon plasma emission spectrophotometer] Miyamoto M. **Nippon Shokakibyo Gakkai Zasshi** 1985 Sep;82(9):2151 **(Jpn)**

[Increased levels of various trace elements in the blood of children with bronchial asthma and their effect on the erythrocyte-plasma indicators for sodium and potassium ions] Bichomski R, et al. **Folia Med Cracov** 1984; 25(3–4):421–9 (Eng. Abstr.) **(Pol)**

[Trace element values in oral Candida albicans infection] Patraș E, et al. **Rev Med Chir Soc Med Nat Iasi** 1985 Apr–Jun;89(2):332, 340 **(Rum)**

CEREBROSPINAL FLUID

Contamination of hexachlorocyclohexane residues: a possible factor for the altered levels of electrolytes and trace elements in the cerebrospinal fluid of epileptic. Kar AM, et al. **Indian J Med Sci** 1986 Jan;40(1):1–5

DEFICIENCY

Epidemiology and trace elements. Elwood PC. **Clin Endocrinol Metab** 1985 Aug;14(3):617–28 (54 ref.)

DIAGNOSTIC USE

Contribution of paramagnetic trace elements to the spin–lattice relaxation time in the liver. Schuhmacher JH, et al. **Invest Radiol** 1985 Sep;20(6):601–8

METABOLISM

Trace element profiles in murine Lewis lung carcinoma by radioisotope-induced X-ray fluorescence. Frank AS, et al. **Am J Pathol** 1986 Mar;122(3):421–32

Trace elements in the hair of schizophrenics. Tada K, et al. **Biol Psychiatry** 1986 Mar;21(3):325–8

Trace elements in human disease. **Clin Endocrinol Metab** 1985 Aug;14(3):513–764

Inborn errors of trace element metabolism. Danks DM. **Clin Endocrinol Metab** 1985 Aug;14(3):591–615 (59 ref.)

Assessment of trace element status. Delves HT. **Clin Endocrinol Metab** 1985 Aug;14(3):725–60 (145 ref.)

Trace element metabolism in the fetus and neonate. Pleban PA, et al. **Clin Endocrinol Metab** 1985 Aug;14(3):545–66 (107 ref.)

The effect of maternal diabetes on trace element status and fetal development in the rat. Uriu-Hare JY, et al. **Diabetes** 1985 Oct;34(10):1031–40

Essential element nutritional status in cystic fibrosis. Kelleher J, et al. **Hum Nutr Appl Nutr** 1986 Apr;40(2):79–84

Trace element uptake in liver cells. 2. Effect of different proteins in the medium on the uptake of copper and zinc by hepatoma cells. van den Berg GJ, et al. **J Inorg Biochem** 1985 Aug;24(4):289–97

Trace elements in the spinal cord and other tissues in motor neuron disease. Mitchell JD, et al. **J Neurol Neurosurg Psychiatry** 1986 Feb;49(2):211–5

Alterations in tissue trace element and ascorbic acid metabolism in phenytoin-fed rats and mice. Dubick MA, et al. **J Nutr** 1985 Nov;115(11):1481–7

Coffee intake during pregnancy and lactation in rats: maternal and pup hematological parameters and liver iron, zinc and copper concentration. Muñoz L, et al. **J Nutr** 1986 Jul; 116(7):1326–33

The role of trace elements in juvenile diabetes mellitus. Tuvemo T, et al. **Pediatrician** 1983–85;12(4):213–9 (60 ref.)

Trace elements in nutrition of the elderly. 2. SADDIs for copper, manganese, selenium, chromium, molybdenum, and fluoride. Solomons NW. **Postgrad Med** 1986 May 1; 79(6):251–4, 256–8, 263

[The change in trace elements copper and zinc in hair of kidney yang deficiency patients] Wang S, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Feb;6(2):96–7, 68 (Eng. Abstr.) **(Chi)**

[Trace elements and total parenteral nutrition] Bailly A, et al. **Acta Gastroenterol Belg** 1985 May–Jun;48(3):224–7 (Eng. Abstr.) **(Fre)**

[Trace elements (zinc, copper, manganese) in alcoholic cirrhosis: effect of chronic alcoholism] Zarski JP, et al. **Gastroenterol Clin Biol** 1985 Oct;9(10):664–9 (Eng. Abstr.) **(Fre)**

[Effect of iodine, copper and zinc additions to the diet with a high proportion of coarse rape meal extract on the growth and thyroid function of fattening pigs. 1. The effect on fattening performance] Lüdke H, et al. **Arch Tierernahr** 1985 Dec;35(12):835–45 (Eng. Abstr.) **(Ger)**

[Use of partially hydrolyzed and untreated straw meal in the feeding of breeding sows. 3. Nutrient digestibility, feed passage time and mineral balance with the addition of variously treated straw materials compared to concentrate feeding alone] Münchow H, et al. **Arch Tierernahr** 1986 Apr–May;36(4–5):381–95 (Eng. Abstr.) **(Ger)**

[Trace elements in samples of brittle and nonbrittle finger nails] Lubach D, et al. **Derm Beruf Umwelt** 1986 Mar–Apr; 34(2):37–9 (Eng. Abstr.) **(Ger)**

[Bioavailability from foods of trace elements: iron, zinc, copper, selenium, chromium, lead, cadmium, mercury] Bocca A, et al. **Ann Ist Super Sanita** 1984;20(2–3):149–69 (241 ref.) (Eng. Abstr.) **(Ita)**

[Trace elements today. A synthetic review of the 10 essential elements with nutritional aspects and pathological pictures] Caramia G, et al. **Minerva Pediatr** 1986 Jul 31; 38(13–14):559–68 (87 ref.) (Eng. Abstr.) **(Ita)**

[Copper, zinc and magnesium levels in placental tissue in early pregnancy and in at-term and prolonged pregnancies] Kelm R, et al. **Ginekol Pol** 1985 Feb;56(2):57–61 (Eng. Abstr.) **(Pol)**

[Mineral metabolism in phosphorus-production workers receiving recommended and actual nutrition] Mamyrbaev AA, et al. **Gig Sanit** 1985 Jul;(7):83–5 **(Rus)**

[Sporulation of Clostridium perfringens and bacilli (the vaccinal strain STI) depending on the mineral composition of the medium] Volkova VP, et al. **Izv Akad Nauk SSSR [Biol]** 1985 Nov–Dec;(6):898–905 (Eng. Abstr.) **(Rus)**

[Microelements in human and cow's milk] Davydova IV. **Pediatriia** 1986 Feb;(2):68–72 (37 ref.) **(Rus)**

[Role of trace elements in the pathogenesis of vitiligo] Vaisov ASh, et al. **Vestn Dermatol Venerol** 1985 Sep;(9):38–40 (Eng. Abstr.) **(Rus)**

[Cholera and NAG vibrio utilization of different C-containing substrates in Hiss media and a medium with a limited mineral content] Voronezhskaia LG. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Oct;(10):8–11 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

A brief history of the influence of trace elements on brain function. Sandstead HH. **Am J Clin Nutr** 1986 Feb; 43(2):293–8

Bioreactor for the study of defined interactions of toxic metals and biofilms. Hsieh KM, et al. **Appl Environ Microbiol** 1985 Nov;50(5):1155–61

Trace minerals and fetal development. Hambidge KM. **Curr Concepts Nutr** 1985;14:73–82 (30 ref.)

The importance of diet composition in ultratrace element research. Nielsen FH. **J Nutr** 1985 Oct;115(10):1239–47 (57 ref.)

Effect of trace elements on the kinetics of calcium oxalate crystallization—research on urolithiatic inhibitors. Xiao CG, et al. **J Tongji Med Univ** 1986;6(2):100–3

[Effect of trace element on growth of Mycobacterium tuberculosis H37 Ra and BCG] Kuang TJ, et al. **Wei Sheng Wu Hsueh Pao** 1985 Sep;25(3):276–80 (Eng. Abstr.) **(Chi)**

[Mitotic cycle of a HeLa cell culture exposed to the maximum permissible concentrations of trace elements] Strochkova LS, et al. **Tsitol Genet** 1985 Jul–Aug; 19(4):250–4 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Physiology and metabolism of essential trace elements: an outline. Aggett PJ. **Clin Endocrinol Metab** 1985 Aug; 14(3):513–43 (132 ref.)

Trace elements and vitamins in membrane function. Fraser DR. **Proc Nutr Soc** 1985 Jul;44(2):173–9

THERAPEUTIC USE

Thyroid and vitamin–mineral supplement fail to improve IQ of mentally retarded adults. Chanowitz J, et al. **Am J Ment Defic** 1985 Sep;90(2):217–9

Therapeutic uses of trace elements. Taylor A. **Clin Endocrinol Metab** 1985 Aug;14(3):703–24 (142 ref.)

A case of short bowel syndrome in which remarkable amelioration of mental deterioration was achieved by administration of trace elements. Someya N, et al. **Gastroenterol Jpn** 1985 Oct;20(5):465–9

Do nutrient supplements and dietary changes affect learning

and emotional reactions of children with learning difficulties? A controlled series of 16 cases. Colgan M, et al. **Nutr Health** 1984;3(1–2):69–77

[Value of various microelements in the course of Trichinella spiralis infection in mice] Karmańska K, et al. **Wiad Parazytol** 1985;31(3):309–16 (Eng. Abstr.) **(Pol)**

TOXICITY

Some modern trends and analytical problems in environmental biochemical toxicology research. Sabbioni E, et al. **Ann Ist Super Sanita** 1983;19(4):523–30

Trace metals and neoplasia. Sky-Peck HH. **Clin Physiol Biochem** 1986;4(1):99–111 (63 ref.)

Trace element interactions affecting pulmonary macrophage cytotoxicity. Fisher GL, et al. **Environ Res** 1986 Feb; 39(1):164–71

URINE

Essential trace metal excretion from rats with lead exposure and during chelation therapy. Victery W, et al. **J Lab Clin Med** 1986 Feb;107(2):129–35

TRACHEA

see related
ANESTHESIA, INTRATRACHEAL
INTUBATION, INTRATRACHEAL

Anesthesia for foreign bodies in the tracheo–bronchial tree in children. Versichelen L, et al. **Acta Anaesthesiol Belg** 1985 Sep;36(3):222–9

Meconium below the vocal cords at delivery: correlation with intrapartum events. Dooley SL, et al. **Am J Obstet Gynecol** 1985 Dec 1;153(7):767–70

All that wheezes is not asthma. Lloyd-Thomas AR, et al. **Anaesthesia** 1986 Feb;41(2):181–5

Manual for use of Montgomery laryngeal, tracheal, and esophageal prostheses. Montgomery WW, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1986 Jul–Aug;125:1–16

Foreign body aspiration in Puerto Rican children: report of 83 cases. Ortega M, et al. **Bol Asoc Med PR** 1986 Jul; 78(7):282–6

Transtracheal ventilation [letter] Layman PR. **Can Anaesth Soc J** 1985 Nov;32(6):684–5

The experience of foreign body inhalation among children at Kenyatta National Hospital over a five-year-period. Ojwang J, et al. **East Afr Med J** 1985 May;62(5):323–31

Minimizing hypoxemia due to endotracheal suctioning: a review of the literature. Barnes CA, et al. **Heart Lung** 1986 Mar;15(2):164–76 (39 ref.)

The effect of hyperinflation, inspiratory hold, and oxygenation on cardiopulmonary status during suctioning in a lung–injured model. Buchanan LM, et al. **Heart Lung** 1986 Mar;15(2):127–34

Hyperinflation, hyperventilation and hyperoxygenation before tracheal suctioning in children requiring long term care [letter] Filoso L, et al. **Heart Lung** 1986 Mar; 15(2):216–7

Foreign body in air passage in children (study of 20 cases). Chaturvedi VN, et al. **Indian J Chest Dis Allied Sci** 1985 Jan–Mar;27(1):40–3

Surgical removal of tracheo–bronchial foreign bodies. Bhatnagar V, et al. **Indian J Pediatr** 1985 Nov–Dec; 52(419):651–4

Inhalation of a minitracheotomy tube. Charnley RM, et al. **Intensive Care Med** 1986;12(2):108–9

Density dependence of maximal expiratory flow before and during tracheal constriction in dogs. Castile RG, et al. **J Appl Physiol** 1986 Mar;60(3):1060–6

Henry Heimlich: a life–saving maneuver for food choking. Sternbach G, et al. **J Emerg Med** 1985;3(2):143–8

Misleading normal findings after the inhalation of a radio–opaque foreign body. Osborne BV, et al. **J Laryngol Otol** 1985 Nov;99(11):1171–2

Foreign bodies in the tracheobronchial tree: management and complications. Adeyemo AO, et al. **J Natl Med Assoc** 1986 Jun;78(6):511–6

Blowgun dart aspiration. Vander Salm TJ, et al. **J Thorac Cardiovasc Surg** 1986 Jun;91(6):930–2

A device for instruction and practice of endoscopic intralaryngeal and tracheal procedures. Rontal M, et al. **Laryngoscope** 1985 Dec;95(12):1547–8

The use of trachea temperature as a means of determining the post–mortem period. Nokes LD, et al. **Med Sci Law** 1986 Jul;26(3):199–202

An unusual tracheal foreign body in a neonate. Horimoto Y, et al. **Pediatr Radiol** 1986;16(5):420–1

Tracheobronchial tree: expandable metallic stents used in experimental and clinical applications. Work in progress. Wallace MJ, et al. **Radiology** 1986 Feb;158(2):309–12

Alloplastic replacement of canine trachea with Dacron. Kaiser D. **Thorac Cardiovasc Surg** 1985 Aug;33(4):239–43

Long-term intubation with silicone rubber endotracheal prostheses for injury or inoperable major airways obstruction. Westaby S. **Trans Am Soc Artif Intern Organs** 1985;31:318–23

[Endotracheal balloon catheter in the newborn infant and infant] Granry JC, et al. **Cah Anesthesiol** 1985 Aug–Sep; 33(5):417–8 **(Fre)**

[Esophageal stenosis with tracheo–bronchial heterotopy. Apropos of 3 cases] Vaysse P, et al. **Chir Pediatr** 1985; 26(5):274–8 (Eng. Abstr.) **(Fre)**

[Endotracheal drug administration] Baniel J, et al. **Harefuah** 1985 May 15;108(10):498–9 **(Heb)**

[Value of roentgenological diagnosis for the detection of foreign bodies in the trachea and bronchi in children] Jakubowska A, et al. **Pol Przegl Radiol (Warszawa)** 1985 Sep–Oct;49(5):330–3 (Eng. Abstr.) **(Pol)**

ABNORMALITIES

Management of the cleft larynx and tracheoesophageal clefts. Evans JN. **Ann Otol Rhinol Laryngol** 1985 Nov–Dec;94(6 Pt 1):627–30

New cervical approach for tracheopexy. Vaishnav A, et al. **Br J Surg** 1986 Jun;73(6):441–2

Management of tracheobronchomalacia with continuous positive airway pressure. Wiseman NE, et al. **J Pediatr Surg** 1985 Oct;20(5):489–93

Short trachea, with reduced number of cartilage rings—a hitherto unrecognized feature of DiGeorge syndrome. Sein K, et al. **Pediatr Pathol** 1985;4(1–2):81–8

[Laryngo–tracheo–esophageal cleft associated with missed atresia] Hélardot PG, et al. **Chir Pediatr** 1985;26(2):112–3 (Eng. Abstr.) **(Fre)**

[Total laryngotracheoesophageal cleft associated with pulmonary sequestration and the Taussig–Bing syndrome] Ohba S. **Rinsho Hoshasen** 1985 Oct;30(10):1129–30 **(Jpn)**

[Tracheobroschomegaly] Dobre V, et al. **Rev Ig [Pneumoftiziol]** 1985 Jul–Sep;34(3):255–62 (Eng. Abstr.) **(Rum)**

[Megatrachea] Cucu P, et al. **Rev Med Chir Soc Med Nat Iasi** 1985 Jan–Mar;89(1):145–6 **(Rum)**

ANALYSIS

Nerve fibres containing peptide histidine isoleucine (PHI) in the respiratory tract. Uddman R, et al. **Arch Otorhinolaryngol** 1985;242(2):189–93

Mucus–glycoproteins (mucins) of the cat trachea: characterisation and control of secretion. Gallagher JT, et al. **Biochim Biophys Acta** 1986 Apr 29;886(2):243–54

Microviscosity of tracheal aspirates in newborns with respiratory distress. Motta C, et al. **Clin Chim Acta** 1985 Dec 31;153(3):157–63

Tracheal lavage and plasma fibronectin: relationship to respiratory distress syndrome and development of bronchopulmonary dysplasia. Gerdes JS, et al. **J Pediatr** 1986 Apr;108(4):601–6

ANATOMY & HISTOLOGY

Increase in tracheal size with age. Implications for maximal expiratory flow. Gibellino F, et al. **Am Rev Respir Dis** 1985 Oct;132(4):784–7

Tracheo–bronchial angles in infants and children. Kubota Y, et al. **Anesthesiology** 1986 Mar;64(3):374–6

Influence of airway and airspace sizes on particle deposition in excised donkey lungs. Spektor DM, et al. **Exp Lung Res** 1985;9(3–4):363–87

Structure and innervation of the tracheal muscles of the white Pekin duck. Gopalakrishnakone P. **J Anat** 1985 Mar;140 (Pt 2):205–19

Relationship of tracheal size to maximal expiratory airflow and density dependence. Dolyniuk MV, et al. **J Appl Physiol** 1986 Feb;60(2):501–5

Trachea and lung dimensions in nonsmoking twins: morphological and functional studies. Kawakami Y, et al. **J Appl Physiol** 1986 Aug;61(2):495–9

Tracheobronchial tree and pulmonary arteries: MR imaging using electronic axial rotation. Ross JS, et al. **Radiology** 1986 Sep;160(3):839–41

BLOOD SUPPLY

Non–cholinergic vasodilation in the tracheobronchial tree of the cat induced by vagal nerve stimulation. Martling CR, et al. **Acta Physiol Scand** 1985 Oct;125(2):343–6

Leakage of macromolecules from guinea–pig tracheobronchial microcirculation. Effects of allergen, leukotrienes, tachykinins, and anti–asthma drugs. Persson CG, et al. **Acta Physiol Scand** 1986 May;127(1):95–105

A method for studies of tracheobronchial microvascular permeability to macromolecules. Erjefält IA, et al. **J Pharmacol Methods** 1985 Dec;14(4):275–83

CYTOLOGY

Neuropeptides degranulate serous cells of ferret tracheal glands. Gashi AA, et al. **Am J Physiol** 1986 Aug;251(2 Pt 1):C223–9

Inhibition of carcinogen–altered rat tracheal epithelial cells by normal epithelial cell–conditioned medium. Terzaghi–Howe M, et al. **Cancer Res** 1986 Feb;46(2):917–21

Role of spontaneous transformation in carcinogenesis: development of preneoplastic rat tracheal epithelial cells at a constant rate. Thomassen DG. **Cancer Res** 1986 May; 46(5):2344–8

Progression–linked properties of specific–lesion cell populations from 7,12–dimethylbenz[a]anthracene–exposed rat tracheal implants. Marchok AC, et al. **Carcinogenesis** 1986 Jul;7(7):1165–73

The toxic response of preneoplastic rat tracheal epithelial cells to 12–O–tetradecanoylphorbol–13–acetate. Nettesheim P, et al. **Carcinogenesis** 1985 Oct;6(10):1427–34

A versatile and quantitative computer–assisted photoelectronic technique used for the analysis of ciliary beat cycles. Sanderson MJ, et al. **Cell Motil** 1985; 5(4):267–92

Isolation of cilia from porcine tracheal epithelium and extraction of dynein arms. Hastie AT, et al. **Cell Motil Cytoskeleton** 1986;6(1):25–34

Isolation and culture of submucosal gland cells. Marin MG, et al. **Clin Chest Med** 1986 Jun;7(2):239–45 (28 ref.)

Possible requirement of collagen gel substratum for production of mucin–like glycoproteins by primary rabbit tracheal epithelial cells in culture. Kim KC. **In Vitro Cell Dev Biol** 1985 Nov;21(11):617–21

Cellular retinoic acid–binding protein and its relationship to the biological activity of four synthetic retinoids in hamster tracheal organ culture. Mehta RG, et al. **In Vitro Cell Dev Biol** 1986 Mar;22(3 Pt 1):164–8

Effects of cyclic adenosine 3\5'–monophosphate–elevating agents and retinoic acid on differentiation in retinoid–deficient tracheal cultures. Schiff LJ, et al. **In Vitro Cell Dev Biol** 1985 Dec;21(12):688–92

Expression of tracheal differentiated functions in serum–free hormone–supplemented medium. Wu R, et al. **J Cell Physiol** 1985 Nov;125(2):167–81

[Cytologic analysis of the cellular composition of normal tracheal and bronchial mucosa in children] Matveeva LA, et al. **Lab Delo** 1986;(2):79–81 (Eng. Abstr.) **(Rus)**

[Cytologic analysis of the cellular composition of normal tracheal and bronchial mucosa in children] Matveeva LA, et al. **Lab Delo** 1986;(2):81–3 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Partial agonism and functional selectivity: a study on beta–adrenoceptor mediated effects in tracheal, cardiac and skeletal muscle. Waldeck B, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Mar;58(3):209–18

Adenosine–induced contractions of the isolated rat trachea are mediated by 5–hydroxytryptamine. Nordström O, et al. **Acta Physiol Scand** 1986 Aug;127(4):557–8

Interaction of epinephrine with isolated rabbit tracheal epithelial cells. Liedtke CM. **Am J Physiol** 1986 Aug;251(2 Pt 1):C209–15

Iloprost (ZK 36374) modulates the responses to beta–adrenoceptor agonists in guinea–pig airways and pulmonary vasculature. Türker RK, et al. **Arch Int Physiol Biochim** 1985 Nov;93(4):263–9

Different effects of epinephrine on the Erythrocebus patas tracheal smooth muscle: predominance of alpha–adrenergic receptors. Montaño LM, et al. **Arch Invest Med (Mex)** 1985 Apr–Jun;16(2):169–74 **(Eng, Spa)**

The relaxant action of nicorandil in guinea–pig isolated trachealis. Allen SL, et al. **Br J Pharmacol** 1986 Jan; 87(1):117–27

Influence of the epithelium on responsiveness of guinea–pig isolated trachea to contractile and relaxant agonists. Goldie RG, et al. **Br J Pharmacol** 1986 Jan;87(1):3–14

Effect of nicotine and N'–nitrosonornicotine on rat lung and trachea ornithine decarboxylase activity. Olson JW, et al. **Carcinogenesis** 1985 Oct;6(10):1517–9

Bordetella pertussis tracheal cytotoxin. Goldman WE, et al. **Dev Biol Stand** 1985;61:103–11

Polyamines and putreanine relax respiratory tract smooth muscle in the guinea–pig. Chideckel EW, et al. **Eur J Pharmacol** 1985 Oct 8;116(1–2):187–90

The inhibitory effect of tobacco smoke compound on ciliary activity. Pettersson B, et al. **Eur J Respir Dis [Suppl]** 1985; 139:89–92

Regeneration of changes induced in rabbit tracheal epithelium by a single oral dose of a mucolytic agent. Konrádová V, et al. **Folia Morphol (Praha)** 1986;34(1):52–8

Biphasic contraction of isolated guinea pig tracheal chains by superoxide radical. Nishida Y, et al. **Inflammation** 1985 Sep;9(3):333–7

Effects of extracellular calcium on canine tracheal smooth muscle. Gunst SJ, et al. **J Appl Physiol** 1986 Aug; 61(2):706–11

Methacholine sensitivity and cAMP protein kinase in tracheal smooth muscle. Jensen AD, et al. **J Appl Physiol** 1986 Mar; 60(3):1043–53

Effects of sulfur dioxide on pore populations of canine tracheal epithelium. Man SF, et al. **J Appl Physiol** 1986 Feb;60(2):416–26

Effect of intravenous papain on tracheal pressure–volume curves in rabbits. Moreno RH, et al. **J Appl Physiol** 1986 Jan;60(1):247–52

K+–induced alterations in airway muscle responsiveness to electrical field stimulation. Murlas C, et al. **J Appl Physiol** 1986 Jul;61(1):61–7

Effect of substance P on neurally mediated contraction of rabbit airway smooth muscle. Tanaka DT, et al. **J Appl Physiol** 1986 Feb;60(2):458–63

Adrenergic regulation of ion transport by primary cultures of canine tracheal epithelium: cellular electrophysiology. Welsh MJ. **J Membr Biol** 1986;91(2):121–8

Effects of six beta–blockers on the isolated guinea–pig trachea. Brion N, et al. **J Pharmacol** 1985 Jul–Sep; 16(3):237–45

Leukotriene B4 and 20–hydroxyleukotriene B4 contract guinea–pig trachea strips in vitro. Lawson C, et al. **J Pharmacol Exp Ther** 1986 Jun;237(3):888–92

Characterization of substance P–induced contractions of guinea–pig trachea. Malo PE, et al. **J Pharmacol Exp Ther** 1986 Jun;237(3):782–6

Effect of atropine on the hyperresponsiveness of ragweed-sensitized canine tracheal smooth muscle. Mitchell RW, et al. **J Pharmacol Exp Ther** 1986 Mar; 236(3):803–9

Effects of milrinone on contractile responses of guinea pig trachea, lung parenchyma and pulmonary artery. Rossing TH, et al. **J Pharmacol Exp Ther** 1986 Sep;238(3):874–9

Differential effects of methacholine and leukotriene D4 on cyclic nucleotide content and isoproterenol-induced relaxation in the opossum trachea. Torphy TJ, et al. **J Pharmacol Exp Ther** 1986 Apr;237(1):332–40

Relative permeability of nasal, tracheal, and bronchoalveolar mucosa to macromolecules in rats exposed to ozone. Bhalla DK, et al. **J Toxicol Environ Health** 1986;17(2–3):269–83

Effects of a cotton bract extract on guinea pig isolated airway smooth muscle. Fedan JS, et al. **J Toxicol Environ Health** 1986;18(2):189–204

Interactions of a water extract of cotton bract with dog isolated airway smooth muscle. Fedan JS, et al. **J Toxicol Environ Health** 1986;17(1):57–71

Tracheal relaxation from combinations of xanthines and of a beta 2-receptor agonist and xanthines. Persson CG, et al. **Lung** 1986;164(1):33–40

Comparison of responses of tracheal twin spirals to bronchoactive agents. Venugopalan CS. **Methods Find Exp Clin Pharmacol** 1985 Oct;7(10):519–21

Unscheduled DNA synthesis in rat tracheal epithelial cells, hepatocytes and spermatocytes following exposure to methyl chloride in vitro and in vivo. Working PK, et al. **Mutat Res** 1986 Sep;162(2):219–24

Effect of atmospheric ammonia on the surface ultrastructure of the lung and trachea of broiler chicks. Al-Mashhadani EH, et al. **Poult Sci** 1985 Nov;64(11):2056–61

Metabolism of arachidonic acid by hamster trachea lack of stimulation by A23187. Reed GA, et al. **Prostaglandins Leukotrienes Med** 1986 Mar;21(3):247–58

Differential rank order of potency for antagonism of LTC4- and LTD4-induced contractions of guinea pig trachea. Tucker SS, et al. **Prostaglandins Leukotrienes Med** 1986 Jul;23(1):37–44

Inhibitory effects of selected purine derivatives on guinea pig pulmonary tissues. Venugopalan CS, et al. **Res Commun Chem Pathol Pharmacol** 1986 Mar; 51(3):297–309

Reactivity of cat tracheal smooth muscle to histamine under conditions of experimentally induced inflammation. Bánovčin P, et al. **Respiration** 1985;48(2):103–7

Effect of selective and non-selective beta blockade on pulmonary function and tracheobronchial mucociliary clearance in healthy subjects. Pavia D, et al. **Thorax** 1986 Apr;41(4):301–5

Effects of cadmium acetate and sodium selenite on mucociliary functions and adenosine triphosphate content in mouse trachea organ cultures. Lág M, et al. **Toxicology** 1986 Jun;39(3):323–32

Scanning electron microscopical investigations on the respiratory epithelium of the Syrian golden hamster. VI. In vitro effects of different polycyclic aromatic hydrocarbons. Richter-Reichhelm HB, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Dec; 181(3–5):272–80

[Comparison of the effect of repeated peroral administration of 3 mucolytic agents on the ultrastructure of the epithelium in the respiratory tract] Konrádová V, et al. **Cesk Pediatr** 1985 Oct;40(10):565–8 (Eng. Abstr.) (Cze)

[Effect of local anesthetics on ciliary activity of the human tracheobronchial mucosa (studies in vitro)] Tontschev G, et al. **Z Erkr Atmungsorgane** 1986;166(2):175–9 (Eng. Abstr.) (Ger)

[Interaction of various leukotrienes in guinea pig tracheal and lung parenchymal strips] Uchida Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 May; 23(5):542–7 (Eng. Abstr.) (Jpn)

EMBRYOLOGY

Differentiation of tracheal epithelium during fetal lung maturation in the rhesus monkey Macaca mulatta. Plopper CG, et al. **Am J Anat** 1986 Jan;175(1):59–71

Development of hamster tracheal epithelium: III. Illustration of statistical methods for proportional data in biology. Coleman B, et al. **Anat Rec** 1985 Nov;213(3):457–63

Development of hamster tracheal epithelium: II. Cell proliferation in the fetus. McDowell EM, et al. **Anat Rec** 1985 Nov;213(3):448–56

Development of hamster tracheal epithelium: I. A quantitative morphologic study in the fetus. McDowell EM, et al. **Anat Rec** 1985 Nov;213(3):429–47

Upper airway resistances in fetal sheep: the influence of breathing activity. Harding R, et al. **J Appl Physiol** 1986 Jan;60(1):160–5

ENZYMOLOGY

Naphthol-AS-D-chloroacetate esterase activity in globule leucocytes in the tracheal epithelium of rats. Frederix M, et al. **Acta Anat (Basel)** 1986;125(2):93–5

Mucin biosynthesis. Enzymic properties of human-tracheal epithelial GDP-L-fucose:beta-D-galactoside alpha-(1——2)-L-fucosyltransferase. Cheng PW, et al. **Carbohydr Res** 1986 Jun 1;149(1):253–61

Peroxidase activity in rat tracheal epithelium and gland. Aoki M, et al. **Exp Mol Pathol** 1986 Feb;44(1):83–92

Different phosphorylated forms of myosin in contracting tracheal smooth muscle. Persechini A, et al. **J Biol Chem** 1986 May 15;261(14):6293–9

Alteration of superoxide dismutase activity in tracheal epithelial cells by asbestos and inhibition of cytotoxicity by antioxidants. Mossman BT, et al. **Lab Invest** 1986 Feb; 54(2):204–12

Chronic cigarette sidestream smoke exposure increases rat trachea ornithine decarboxylase activity. Olson JW. **Life Sci** 1985 Dec 9;37(23):2165–71

GROWTH & DEVELOPMENT

Dimensions of the growing trachea related to age and gender. Griscom NT, et al. **AJR** 1986 Feb;146(2):233–7

Tracheal submucosal gland development in the rhesus monkey, Macaca mulatta: ultrastructure and histochemistry. Plopper CG, et al. **Anat Embryol (Berl)** 1986;174(2):167–78

Development of hamster tracheal epithelium: IV. Cell proliferation and cytodifferentiation in the neonate. Otani EM, et al. **Anat Rec** 1986 Feb;214(2):183–92

Postnatal enlargement of human tracheobronchial airways and implications for particle deposition. Phalen RF, et al. **Anat Rec** 1985 Aug;212(4):368–80

Postnatal development of tracheal surface epithelium and submucosal glands in the ferret. Leigh MW, et al. **Exp Lung Res** 1986;10(2):153–69

IMMUNOLOGY

Tracheal carbohydrate antigens identified by monoclonal antibodies. Basbaum CB, et al. **Arch Biochem Biophys** 1986 Sep;249(2):363–73

Distribution of cells binding anti-IgE in the trachea and in the thoracic lymph nodes of ovalbumin-sensitized rats. Leroy-Ladurie F, et al. **Bull Eur Physiopathol Respir** 1986 Jan–Feb;22(1):49–54

Origin of immunoglobulins in respiratory tract secretion and saliva of sheep. Scicchitano R, et al. **Immunology** 1986 Jun; 58(2):315–21

Anti-TNP-forming cells in bronchus-associated lymphoid tissue (BALT) and paratracheal lymph node (PTLN) of the rat after intratracheal priming and boosting with TNP-KLH. van der Brugge-Gamelkoorn GJ, et al. **Immunology** 1986 Mar;57(3):405–9

[Effects of various drugs on antigen-induced contractile responses in guinea pig tracheal and lung parenchymal strips] Uchida Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Sep; 23(9):1018–23 (Eng. Abstr.) (Jpn)

INJURIES

Combined tracheoesophageal injuries. Feliciano DV, et al. **Am J Surg** 1985 Dec;150(6):710–5

Tracheal rupture in an intubated critically ill patient. Gaukroger PB, et al. **Anaesth Intensive Care** 1986 May; 14(2):199–201

Neonatal tracheal perforation. A complication of tracheal intubation. McLeod BJ, et al. **Anaesthesia** 1986 Jan; 41(1):67–70

Tracheal rupture during anaesthesia. Smith BA, et al. **Anaesthesia** 1984 Sep;39(9):894–8

Airway rupture with a disposable double-lumen tube [letter] Brodsky JB, et al. **Anesthesiology** 1986 Mar;64(3):415

Tracheal rupture following the insertion of a disposable double-lumen endotracheal tube. Wagner DL, et al. **Anesthesiology** 1985 Dec;63(6):698–700

Blunt laryngotracheal trauma. Mace SE. **Ann Emerg Med** 1986 Jul;15(7):836–42

Combined tracheal transection and innominate artery disruption from blunt chest trauma. Goldfaden D, et al. **Ann Thorac Surg** 1986 Feb;41(2):213–5

Management of airway trauma. I: Tracheobronchial injuries. Kelly JP, et al. **Ann Thorac Surg** 1985 Dec;40(6):551–5

Tracheal rupture following cervical manipulation: late complication posttracheostomy. Putnam TD, et al. **Arch Phys Med Rehabil** 1986 Jan;67(1):48–50

Respiratory tract tumors in hamsters after severe focal injury to the trachea and intratracheal instillation of benzo[a]pyrene. Reynders JB, et al. **Cancer Lett** 1985 Oct; 29(1):93–9

Use of concentrated fibrinogen in experimental tracheal repair. Kram HB, et al. **J Biomed Mater Res** 1986 May-Jun; 20(5):579–87

Successful repair of a transected intrathoracic trachea after chest trauma. Martinez MJ, et al. **J Thorac Cardiovasc Surg** 1986 Feb;91(2):307–9

Pneumoperitoneum resulting from tracheal rupture following blunt chest trauma. Barnhart GR, et al. **J Trauma** 1986 May;26(5):486–8

High-frequency ventilation in the management of tracheal trauma. Dreyfuss D, et al. **J Trauma** 1986 Mar;26(3):287–9

Laryngotracheal trauma: a protocol approach to a rare injury. Gussack GS, et al. **Laryngoscope** 1986 Jun; 96(6):660–5

Experience with tracheal resection for traumatic tracheal stenosis. Miller RH, et al. **Otolaryngol Head Neck Surg** 1986 Apr;94(4):444–50

Retrocardiac pneumomediastinum in association with tracheal and esophageal perforations. Amodio JB, et al. **Pediatr Radiol** 1986;16(5):380–3

High-frequency ventilation and tracheal injuries. Mammel MC, et al. **Pediatrics** 1986 Apr;77(4):608–13

Hyoid bone elevation: a sign of tracheal transection [letter] Fisher MS. **Radiology** 1986 Feb;158(2):564

Tracheal rupture—an anaesthetic mishap? A case report. Moar JJ, et al. **S Afr Med J** 1986 Mar 1;69(5):312–4

Anesthetic considerations in traumatic tracheobronchial rupture. Santora AH, et al. **South Med J** 1986 Jul; 79(7):910–1

Vascularized hyoid bone for cricoid arch reconstruction. Lim RY. **W Va Med J** 1986 Mar;82(3):41–3

[Tracheal rupture during intubation for general anesthesia] Jayr C, et al. **Ann Fr Anesth Reanim** 1986;5(2):160–1 (Eng. Abstr.) (Fre)

[Tracheo-bronchial fissures from external trauma in children. Apropos of 3 cases] Rose E, et al. **Chir Pediatr** 1985; 26(5):294–9 (Eng. Abstr.) (Fre)

[Bronchofibroscopy and laparoscopy in combined thoracic injuries] Sinev IuV, et al. **Khirurgiia (Mosk)** 1985 Nov; (11):32–4 (Rus)

[Surgical rehabilitation of patients with the sequelae of laryngeal and trachea injuries] Gorbunov VA, et al. **Voen Med Zh** 1985 Oct;(10):57–9 (Rus)

INNERVATION

Parasympathetic ganglia in the airways. Skoogh BE. **Bull Eur Physiopathol Respir** 1986;22 Suppl 7:143–7

Parasympathetic motor pathways to the trachea: recent morphologic and electrophysiologic studies. Baker DG. **Clin Chest Med** 1986 Jun;7(2):223–9 (26 ref.)

Effect of alpha-chymotrypsin on the nonadrenergic noncholinergic inhibitory system in cat airways. Altiere RJ, et al. **Eur J Pharmacol** 1985 Aug 7;114(1):75–8

Metabolism of norepinephrine during nerve stimulation in dog trachea. Russell JA, et al. **J Appl Physiol** 1985 Oct; 59(4):1236–41

Angiotensin inhibits gastric and tracheal contractile responses to peripheral parasympathetic stimulation. Hobbs SF, et al. **J Auton Nerv Syst** 1985 Sep;14(1):75–9

Extrinsic pathways of the adrenergic innervation of the guinea-pig trachealis muscle. Smith RV, et al. **J Auton Nerv Syst** 1985 Sep;14(1):61–73

The architecture of nerves and ganglia of the ferret trachea as revealed by acetylcholinesterase histochemistry. Baker DG, et al. **J Comp Neurol** 1986 Apr 22;246(4):513–26

Adrenoceptor-mediated mechanical responses of canine tracheal smooth muscle. Bergen J, et al. **J Pharmacol Exp Ther** 1986 Aug;238(2):679–84

Characterization of the muscarinic receptor in human tracheal smooth muscle. van Koppen CJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Nov; 331(2–3):247–52

[Analysis of the spike activity of neurons of the ganglia of the muscular wall of the respiratory tract] Fedin AN, et al. **Fiziol Zh SSSR** 1986 Jun;72(6):792–8 (Eng. Abstr.) (Rus)

[Contraction of the tracheal muscle and the activity of stretch receptors in the trachea] Sant'Ambrogio G, et al. **Bratisl Lek Listy** 1986 Apr;85(4):392–400 (Eng. Abstr.) (Slo)

METABOLISM

Immunohistochemical study on the presence of immunoglobulins in globule leucocytes in the tracheal epithelium of rats. Baert J, et al. **Acta Anat (Basel)** 1986; 125(4):233–7

Donnan equilibrium and pH gradient in isolated tracheal apical membrane vesicles. Langridge-Smith JE, et al. **Am J Physiol** 1985 Nov;249(5 Pt 1):C417–20

cAMP immunocytochemistry provides evidence for functional VIP receptors in trachea. Lazarus SC, et al. **Am J Physiol** 1986 Jul;251(1 Pt 1):C115–9

Alteration of chloride secretion across canine tracheal epithelium by lipoxygenase products of arachidonic acid. Leikauf GD, et al. **Am J Physiol** 1986 Jan;250(1 Pt 2):F47–53

Mucosal adenosine stimulates chloride secretion in canine tracheal epithelium. Pratt AD, et al. **Am J Physiol** 1986 Aug;251(2 Pt 1):C167–74

Changes in intracellular sodium with chloride secretion in dog tracheal epithelium. Shorofsky SR, et al. **Am J Physiol** 1986 Apr;250(4 Pt 1):C646–50

Tracheal permeability in rats exposed to ozone. An electron microscopic and autoradiographic analysis of the transport pathway. Bhalla DK, et al. **Am Rev Respir Dis** 1986 Sep; 134(3):572–9

Metabolism of aflatoxin B1 in the upper airways of the rabbit: role of the nonciliated tracheal epithelial cell. Coulombe RA Jr, et al. **Cancer Res** 1986 Aug;46(8):4091–6

DNA ethylation in hamster tissues during subchronic diethylnitrosamine administration and in the hamster trachea after acute diethylnitrosamine administration. Fong AT, et al. **Carcinogenesis** 1986 Sep;7(9):1457–61

Regulation of salt and water transport across airway mucosa. Al-Bazzaz FJ. **Clin Chest Med** 1986 Jun;7(2):259–72 (85 ref.)

Abnormal respiratory epithelial ion transport in cystic fibrosis. Knowles MR, et al. **Clin Chest Med** 1986 Jun; 7(2):285–97 (77 ref.)

Mechanisms of airway epithelial ion transport. Welsh MJ. **Clin Chest Med** 1986 Jun;7(2):273–83 (39 ref.)

Ion transport by tracheal epithelial cells in culture.

Widdicombe JH. **Clin Chest Med** 1986 Jun;7(2):299–305 (41 ref.)

Nitropyrene: DNA binding and adduct formation in respiratory tissues. Jackson MA, et al. **Environ Health Perspect** 1985 Oct;62:203–7

Effects of iodopropylidene glycerol on tracheobronchial clearance in stable, chronic bronchitic patients. Pavia D, et al. **Eur J Respir Dis** 1985 Sep;67(3):177–84

Biosynthesis of prostaglandins by isolated and cultured airway epithelial cells. Xu GL, et al. **Exp Lung Res** 1986; 10(1):101–14

Vitamin A deficiency and keratin biosynthesis in cultured hamster trachea. Huang FL, et al. **In Vitro Cell Dev Biol** 1986 Apr;22(4):223–30

Superoxide anion generation during airway anaphylaxis. Weiss EB, et al. **Int Arch Allergy Appl Immunol** 1986; 80(2):211–3

In vivo estimation of tracheal wall water: effects of histamine and carbachol. Baier H, et al. **J Appl Physiol** 1986 May; 60(5):1680–5

Calcium secretion in canine tracheal mucosa. Al-Bazzaz FJ, et al. **J Appl Physiol** 1985 Oct;59(4):1191–5

p-Aminohippurate transport in canine tracheal epithelium. Cloutier MM, et al. **J Appl Physiol** 1985 Nov;59(5):1585–9

Influence of upper respiratory tract on liquid flow to and from fetal lungs. Harding R, et al. **J Appl Physiol** 1986 Jul;61(1):68–74

Effects of 0.5 ppm ozone on glycoprotein secretion, ion and water fluxes in sheep trachea. Phipps RJ, et al. **J Appl Physiol** 1986 Mar;60(3):918–27

Arachidonic acid metabolism by canine tracheal epithelial cells. Product formation and relationship to chloride secretion. Eling TE, et al. **J Biol Chem** 1986 Sep 25; 261(27):12841–9

Utilization of pyruvate and pyruvate precursors by normal and carcinogen-altered rat tracheal epithelial cells in culture. Wasilenko WJ, et al. **J Cell Physiol** 1986 Jan; 126(1):69–76

Ion transport by primary cultures of canine tracheal epithelium: methodology, morphology, and electrophysiology. Welsh MJ. **J Membr Biol** 1985; 88(2):149–63

Oxygen consumption and active sodium and chloride transport in bovine tracheal epithelium. Durand J, et al. **J Physiol (Lond)** 1986 Mar;372:51–62

Chloride and potassium channels in cystic fibrosis airway epithelia. Welsh MJ, et al. **Nature** 1986 Jul 31–Aug 6; 322(6078):467–70

Influence of chronic antigen exposure on the metabolism of PGH2 by microsomal preparations of airway and parenchymal tissues in the sheep. Spannhake EW, et al. **Prostaglandins** 1985 Dec;30(6):1041–55

An apical-membrane chloride channel in human tracheal epithelium. Welsh MJ. **Science** 1986 Jun 27; 232(4758):1648–50

MICROBIOLOGY

Adherence of Pseudomonas aeruginosa to tracheal epithelial cells of mink. Studies on bacterial hydrophobicity and elastase production. Elsheikh EL, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Dec; 93(6):417–22

Enteral nutrition in patients receiving mechanical ventilation. Multiple sources of tracheal colonization include the stomach. Pingleton SK, et al. **Am J Med** 1986 May; 80(5):827–32

Bacterial isolates from tracheobronchial aspirates of healthy horses. Sweeney CR, et al. **Am J Vet Res** 1985 Dec; 46(12):2562–5

Bacterial adherence to respiratory tract cells. Relationships between in vivo and in vitro pH and bacterial attachment. Palmer LB, et al. **Am Rev Respir Dis** 1986 May; 133(5):784–8

Isolation of Bordetella avium from poultry. Blackall PJ, et al. **Aust Vet J** 1985 Nov;62(11):370–2

Tracheal populations of Mycoplasma gallisepticum after challenge of bacterin-vaccinated chickens. Kleven SH. **Avian Dis** 1985 Oct–Dec;29(4):1012–7

Tracheal versus pulmonary deposition and clearance of inhaled Pasteurella haemolytica or Staphylococcus aureus in mice. Rodriguez LM, et al. **Can J Comp Med** 1985 Jul; 49(3):323–6

Reliability of the bronchoscopic protected catheter brush in intubated and ventilated patients. Villers D, et al. **Chest** 1985 Oct;88(4):527–30

Functional and ultrastructural effects of nontypeable Haemophilus influenzae in a hamster trachea organ culture system. Mylotte JM, et al. **In Vitro Cell Dev Biol** 1985 Oct;21(10):575–82

Influence of potential virulence determinants on Bordetella bronchiseptica-induced ciliostasis. Bemis DA, et al. **Infect Immun** 1985 Oct;50(1):35–42

The effect of mycoplasmas and acholeplasmas of equine origin on organ cultures of chicken-embryo trachea. Moorthy AR, et al. **J Comp Pathol** 1985 Apr;95(2):209–16

Transfer of oropharyngeal bacteria into the trachea during endotracheal intubation. Nair P, et al. **J Hosp Infect** 1986 Jul;8(1):96–103

Restricted replication of a cold-adapted reassortant influenza A virus in the lower respiratory tract of chimpanzees [letter] Snyder MH, et al. **J Infect Dis** 1986 Aug; 154(2):370–1

Appearance of haemagglutinability of infectious bronchitis virus following in vitro and in vivo tracheal passages. Yachida S, et al. **Zentralbl Veterinarmed [B]** 1985 Dec; 32(10):736–43

[Diagnosis of bronchopulmonary infections in children in intensive care units. Bacteriologic comparison of tracheo-bronchial secretions and post-mortem pulmonary biopsy] Marchand S, et al. **Ann Pediatr (Paris)** 1985 Sep; 32(7):593–6 (Eng. Abstr.) **(Fre)**

PATHOLOGY

The effect of formaldehyde vapour on the tracheal epithelium of albino rat. Al-Abbas AH, et al. **Acta Univ Palacki Olomuc Fac Med** 1986;113:35–50

In vivo human tracheal pressure-area curves using computerized tomographic scans. Correlation with maximal expiratory flow rates. Moreno R, et al. **Am Rev Respir Dis** 1986 Sep;134(3):585–9

Fowl pox in the trachea of point-of-lay hens. Griffiths GL, et al. **Aust Vet J** 1986 Mar;63(3):91–2

Respiratory injury in children: the histology of healing. Judkins KC, et al. **Burns Incl Therm Inj** 1986 Jun; 12(5):357–9

Epidermoid metaplasias of xenotransplanted human tracheobronchial epithelium. Klein-Szanto AJ, et al. **Carcinogenesis** 1986 Jun;7(6):987–94

Inhibition of cigarette smoke-induced airway secretory cell hyperplasia by indomethacin, dexamethasone, prednisolone, or hydrocortisone in the rat. Rogers DF, et al. **Exp Lung Res** 1986;10(3):285–98

Histopathological changes in distal tracheal mucosa in beagle puppies. Yoshpe N, et al. **Int J Pediatr Otorhinolaryngol** 1986 Feb;11(1):47–60

Multiple respiratory tract stenoses associated with mucociliary dysfunction [letter] Wilson R, et al. **Lancet** 1985 Oct 26;2(8461):950

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 31–1986. A 39-year-old woman with stenosis of the subglottic area and pulmonary artery. **N Engl J Med** 1986 Aug 7;315(6):378–87

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 50-1985. A 41-year-old man with diffuse tracheal narrowing. **N Engl J Med** 1985 Dec 12;313(24):1530–7

[Changes in tissues after tracheotomy in an experimental animal] Bednaříková L, et al. **Cesk Otolaryngol** 1986 Apr; 35(3):129–32 (Eng. Abstr.) **(Cze)**

[Bile aspiration; an experimental study in rats] Masuda A, et al. **Masui** 1985 Dec;34(12):1653–6 (Eng. Abstr.) **(Jpn)**

[Morphological changes in respiratory epithelium after exposure to textile dust] Korn-Rydzewska H, et al. **Otolaryngol Pol** 1985;39(3):191–8 (Eng. Abstr.) **(Pol)**

[A simple method of collecting brush specimen from respiratory epithelium] Bogusz J, et al. **Pneumonol Pol** 1985 Jul;53(7):368–72 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Inflammatory leakage of macromolecules from the vascular compartment into the tracheal lumen. Persson CG, et al. **Acta Physiol Scand** 1986 Apr;126(4):615–6

Effect of length history on contractile behavior of canine tracheal smooth muscle. Gunst SJ. **Am J Physiol** 1986 Jan; 250(1 Pt 1):C146–54

Effects of mast cell-derived mediators on epithelial cells in canine trachea. Lazarus SC, et al. **Am J Physiol** 1986 Sep; 251(3 Pt 1):C387–94

Influence of sputum IgA and elastase on tracheal cell bacterial adherence. Niederman MS, et al. **Am Rev Respir Dis** 1986 Feb;133(2):255–60

Tracheal mucus transport rate in normal turkeys and in turkeys infected with Bordetella avium (Alcaligenes faecalis). Ficken MD, et al. **Avian Dis** 1986 Jan–Mar; 30(1):154–9

Single chloride channel currents from canine tracheal epithelial cells. Shoemaker RL, et al. **Biochim Biophys Acta** 1986 Jun 26;858(2):235–42

Response of dog tracheal stretch receptors to high frequency oscillations. Sant'Ambrogio G, et al. **Bull Eur Physiopathol Respir** 1986 Jan–Feb;22(1):15–9

Mechanical properties of airway smooth muscle. Stephens NL, et al. **Bull Eur Physiopathol Respir** 1986;22 Suppl 7:178–90

Absence of habituation of airway dilation following lung inflation. Zamel N, et al. **Bull Eur Physiopathol Respir** 1985 Sep–Oct;21(5):433–8

The upper airways. **Clin Chest Med** 1986 Jun;7(2):157–309

Tracheal smooth muscle. Russell JA. **Clin Chest Med** 1986 Jun;7(2):189–200 (140 ref.)

Mucociliary clearance in the trachea. Wanner A. **Clin Chest Med** 1986 Jun;7(2):247–58 (101 ref.)

Effects of mucosal removal on guinea-pig airway smooth muscle responsiveness. Murlas C. **Clin Sci** 1986 Jun; 70(6):571–5

Determinants of alveolar ventilation during high-frequency transtracheal jet ventilation in dogs. Abbrecht PH, et al. **Crit Care Med** 1986 Jun;14(6):563–9

An overview of species differences in the effects of a water extract of cotton bract on isolated airway smooth muscle, and effects of E. coli lipopolysaccharide. Fedan JS, et al. **Environ Health Perspect** 1986 Apr;66:159–65

Impairment of tracheal mucociliary clearance but not ciliary beat frequency by a combination of low level ozone and sulfur dioxide in sheep. Abraham WM, et al. **Eur J Respir Dis** 1986 Feb;68(2):114–20

Structural changes associated with fluid absorption by dog tracheal epithelium. Widdicombe JH, et al. **Exp Lung Res** 1986;10(1):57–69

Inhibition by auranofin of pharmacologic and antigen-induced contractions of the isolated guinea pig trachea. Malo PE, et al. **J Allergy Clin Immunol** 1986 Feb; 77(2):371–6

The mechanism of ergonovine-induced airway smooth muscle contraction. Sakamoto Y, et al. **J Allergy Clin Immunol** 1986 Feb;77(2):354–64

Changes in tracheal cross-sectional area during Mueller and Valsalva maneuvers in humans. Brown IG, et al. **J Appl Physiol** 1986 Jun;60(6):1865–70

Flow limitation and flow-induced oscillations [letter] Grotberg JB. **J Appl Physiol** 1986 Jul;61(1):377–8

Influence of ventrolateral surface of medulla on reflex tracheal constriction. Haxhiu MA, et al. **J Appl Physiol** 1986 Aug;61(2):791–6

Physiological antagonism caused by adrenergic stimulation of canine tracheal muscle. Leff AR, et al. **J Appl Physiol** 1986 Jan;60(1):216–24

Mean airway pressure and mean alveolar pressure during high-frequency jet ventilation in rabbits. Pérez Fontán JJ, et al. **J Appl Physiol** 1986 Aug;61(2):456–63

Contractility of isolated single submucosal gland from trachea. Shimura S, et al. **J Appl Physiol** 1986 Apr; 60(4):1237–47

Endogenous modulation of alpha-adrenergic contraction in canine tracheal muscle. Tallet J, et al. **J Appl Physiol** 1986 Aug;61(2):464–71

Effect of breathing dry air on structure and function of airways. Van Oostdam JC, et al. **J Appl Physiol** 1986 Jul; 61(1):312–7

Wall motion in expiratory flow limitation: choke and flutter. Webster PM, et al. **J Appl Physiol** 1985 Oct;59(4):1304–12

Elastic properties of collapsing and expanding trachea. Winter DC. **J Biomech Eng** 1985 Nov;107(4):300–3

Intraairway thermal profiles during exercise and hyperventilation in normal man. McFadden ER Jr, et al. **J Clin Invest** 1985 Sep;76(3):1007–10

Calcium-activated potassium channels in canine airway smooth muscle. McCann JD, et al. **J Physiol (Lond)** 1986 Mar;372:113–27

Effect of ozone and histamine on airway permeability to horseradish peroxidase in guinea pigs. Miller PD, et al. **J Toxicol Environ Health** 1986;18(1):121–32

The influence of Bordetella pertussis and its constituents on the beta-adrenergic receptor in the guinea pig respiratory system. van Heuven-Nolsen D, et al. **Life Sci** 1986 Feb 24;38(8):677–85

Maximum and minimum contact angles induced by pulmonary surfactants. Barrow RE. **Med Biol Eng Comput** 1985 Sep;23(5):430–4

Alterations of airway smooth muscle cell membrane by sensitization. Souhrada M, et al. **Pediatr Pulmonol** 1985 Jul–Aug;1(4):207–14

The effect of tracheal smooth muscle tone on neonatal airway collapsibility. Bhutani VK, et al. **Pediatr Res** 1986 Jun; 20(6):492–5

Intracellular calcium regulates basolateral potassium channels in a chloride-secreting epithelium. Welsh MJ, et al. **Proc Natl Acad Sci USA** 1985 Dec;82(24):8823–6

Correlation between the myotropic activity of leukotriene A4 on guinea-pig lung, trachea and ileum and its biotransformation in situ. Sirois P, et al. **Prostaglandins** 1985 Jul;30(1):21–36

Intravenous SRS-induced increases in tracheal mucous gel layer thickness: evidence for thromboxane involvement. Yanni JM, et al. **Prostaglandins** 1986 Jan;31(1):19–32

Respiratory responses to acute heat stress in cranes (Gruidae): the effects of tracheal coiling. Prange HD, et al. **Respir Physiol** 1985 Oct;62(1):95–103

Role of intrinsic muscles and tracheal motion in modulating laryngeal receptors. Sant'Ambrogio G, et al. **Respir Physiol** 1985 Sep;61(3):289–300

The role of airflow in mucous transport in the trachea. Okazawa M, et al. **Tohoku J Exp Med** 1985 Sep;147(1):43–5

[Pharmacology of mucociliary transport] Lurie A, et al. **Rev Mal Respir** 1985;2(3):117–26 (Eng. Abstr.) **(Fre)**

[Mucociliary transport pattern in the dog trachea] Toomes H. **Prax Klin Pneumol** 1986 Jan;40(1):16–9 (Eng. Abstr.) **(Ger)**

[Properties of the tracheal smooth muscle] Baba K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Oct; 23(10):1118–23 (Eng. Abstr.) **(Jpn)**

[The role of the ventral surface of the medulla oblongata in the central regulation of airway smooth muscle tone] Haxhiu MA, et al. **Placse Bolesti** 1985 Jul–Dec; 37(3–4):267–74 (Eng. Abstr.) **(Ser)**

PHYSIOPATHOLOGY

Mucociliary clearance and mucosal surface characteristics before and after total laryngectomy. Maurizi M, et al. **Acta Otolaryngol (Stockh)** 1986 Jul–Aug;102(1–2):136–45

Oxidant-mediated ciliary dysfunction. Possible role in airway disease. Burman WJ, et al. **Chest** 1986 Mar;89(3):410–3

Antagonism of antigen-induced contraction of isolated guinea-pig trachea by 5-lipoxygenase inhibitors. Hand JM, et al. **Int Arch Allergy Appl Immunol** 1986;79(1):8–13

Hypoxia potentiates, oxygen attenuates deflation-induced reflex tracheal constriction. Vidruk EH. **J Appl Physiol** 1985 Sep;59(3):941–6

Ciliary responsiveness in allergic and nonallergic airways. Wanner A, et al. **J Appl Physiol** 1986 Jun;60(6):1967–71

[Effect of artificial pulmonary ventilation on the mucociliary apparatus and local immunity of the respiratory system during general anesthesia] Mozhaev GA, et al. **Anesteziol Reanimatol** 1985 Jul–Aug;(4):52–5 (Eng. Abstr.) (Rus)

[In vitro reactivity to histamine in smooth respiratory tract muscles of guinea pigs with experimental inflammation of the respiratory tract] Bánovčin P, et al. **Bratisl Lek Listy** 1986 Jul;86(1):60–7 (Eng. Abstr.) (Slo)

RADIATION EFFECTS

Dose-response studies of single dose ionizing radiation on the ciliated epithelium of the trachea of the rabbit. A physiologic and ultrastructural investigation. Albertsson M. **Acta Radiol [Oncol]** 1985 Sep–Oct;24(5):433–43

[Action of laser radiation on the ciliated cells of the tracheal and bronchial mucosa (an experimental study)] Prilmak AA, et al. **Probl Tuberk** 1986;(1):57–9 (Eng. Abstr.) (Rus)

[Changes in the mucous membrane of the trachea and bronchi in dogs based on bronchoscopic data for the combined action of 239Pu and gamma-radiation as compared with the individual actions] Fetisova LI, et al. **Radiobiologiia** 1985 Nov–Dec;25(6):825–8 (Eng. Abstr.) (Rus)

RADIOGRAPHY

Some anatomical variants and pitfalls in computed tomography of the trachea and mainstem bronchi. I. Mucoid pseudotumors. Westra D, et al. **Diagn Imag Clin Med** 1985;54(5):229–39

Some anatomical variants and pitfalls in computed tomography of the trachea and mainstem bronchi. II. Compression or anatomical variants? Westra D, et al. **Diagn Imag Clin Med** 1985;54(6):285–97

[Case report of tracheal stenosis] Wurbs W. **Z Erkr Atmungsorgane** 1986;166(1):92–6 (Eng. Abstr.) (Ger)

SECRETION

The influence of felodipine and diethyl-stilboestrol on [3H]noradrenaline release in the rat trachea. Bengtsson B, et al. **Acta Physiol Scand** 1985 Oct;125(2):285–8

The role of calcium ions in airway secretion. Richardson PS, et al. **Br J Clin Pharmacol** 1985;20 Suppl 2:275S–279S

Adenosine-induced secretion in the canine trachea: modification by methylxanthines and adenosine derivatives. Johnson HG, et al. **Br J Pharmacol** 1985 Sep;86(1):63–7

Regulation of airway secretory cells. Basbaum CB. **Clin Chest Med** 1986 Jun;7(2):231–7 (73 ref.)

Improvement of mucociliary transport in smokers by mucolytics. Olivieri D, et al. **Eur J Respir Dis [Suppl]** 1985; 139:142–5

Density gradient analysis of secretions produced in vitro by human and canine airway mucosa: identification of lipids and proteoglycans in such secretions. Bhaskar KR, et al. **Exp Lung Res** 1986;10(4):401–22

Cyclic nucleotides fail to affect mucus glycoconjugate secretion from canine tracheal explants. Barbieri EJ, et al. **J Pharm Pharmacol** 1985 Oct;37(10):748–51

SURGERY

Primary tracheoesophageal shunt operation for postlaryngectomy speech with sphincter mechanism. Amatsu M, et al. **Ann Otol Rhinol Laryngol** 1986 Jul–Aug; 95(4 Pt 1):373–6

Cricoid resection and thyrotracheal anastomosis in the growing primate. Fearon B, et al. **Ann Otol Rhinol Laryngol** 1985 Nov–Dec;94(6 Pt 1):631–3

Aerodynamic studies of laryngectomees after the Amatsu tracheoesophageal shunt operation. Kinishi M, et al. **Ann Otol Rhinol Laryngol** 1986 Mar–Apr;95(2 Pt 1):181–4

Epiglottis in reconstruction of the larynx and trachea. Olson NR, et al. **Ann Otol Rhinol Laryngol** 1985 Sep–Oct;94(5 Pt 1):437–41

Resection of the cervical trachea: a different incision? Quincy RE, et al. **Ann R Coll Surg Engl** 1986 May;68(3):164–7

Resectional management of airway invasion by thyroid carcinoma. Grillo HC, et al. **Ann Thorac Surg** 1986 Sep; 42(3):287–98

The rotary door myocutaneous flap. A reliable technique for laryngotracheal reconstruction. Eliachar I, et al. **Arch Otolaryngol Head Neck Surg** 1986 Sep;112(9):953–8

Primary tracheoesophageal shunt operation for postlaryngectomy voice restoration—a sphincter mechanism against aspiration. Amatsu M, et al. **Auris Nasus Larynx** 1985;12 Suppl 2:S200–5

Pitch perturbation measures of voice production of laryngectomees after the Amatsu tracheoesophageal shunt operation. Kinishi M, et al. **Auris Nasus Larynx** 1986; 13(1):53–62

Subtotal tracheal resection: a case report and review of airway, anaesthetic and post-operative problems. Pollard BJ, et al. **Eur J Anaesthesiol** 1985 Dec;2(4):387–94

New experimental method for the repair of tracheal defects. Uhlschmid GK. **Eur Surg Res** 1986;18(3–4):271–6

Use of the Montgomery T-tube in tracheal surgery. D'Amico D, et al. **Ital J Surg Sci** 1985;15(4):365–7

Tracheal reconstruction in a foal. Robertson JT, et al. **J Am Vet Med Assoc** 1986 Aug 1;189(3):313–4

Assessment of mucociliary clearance in patients with tracheobronchoplasty using radioaerosol. Kosuda S, et al. **J Nucl Med** 1986 Sep;27(9):1397–402

Tracheo-esophageal puncture—literature review and case reports. Atkinson SI. **J Otolaryngol** 1984 Oct;13(5):315–7

Primary tracheo-esophageal puncture voice restoration with laryngectomy. Morrison MD, et al. **J Otolaryngol** 1986 Apr;15(2):69–73

The successful reconstruction of thoracic tracheal defects with free periosteal grafts. Cohen RC, et al. **J Pediatr Surg** 1985 Dec;20(6):852–8

Impact of tracheoesophageal puncture prosthesis airway resistance on in-vivo phonatory performance. Weinberg B, et al. **J Speech Hear Disord** 1986 Feb;51(1):88–91

Incorporation of microporous Teflon tracheal prostheses in rabbits: evaluation of surgical aspects. Bottema JR, et al. **J Surg Res** 1986 Jul;41(1):16–23

Complications of tracheal reconstruction. Incidence, treatment, and prevention. Grillo HC, et al. **J Thorac Cardiovasc Surg** 1986 Mar;91(3):322–8

Tracheal repair with fibrin glue. Kram HB, et al. **J Thorac Cardiovasc Surg** 1985 Nov;90(5):771–5

Functional tracheoesophageal shunt for vocal rehabilitation after laryngectomy. Li SL. **Laryngoscope** 1985 Oct; 95(10):1267–71

Operative complications of tracheoesophageal puncture. Silver FM, et al. **Laryngoscope** 1985 Nov;95(11):1360–2

Histologic changes in skin implanted into the larynx and trachea by myocutaneous flap reconstruction. Eliachar I, et al. **Otolaryngol Head Neck Surg** 1985 Dec;93(6):754–8

A preoperative counseling aid for tracheoesophageal puncture. Smith BE, et al. **Otolaryngol Head Neck Surg** 1985 Oct;93(5):686–7

The survival of costal cartilage graft in laryngotracheal reconstruction. Zalzal GH, et al. **Otolaryngol Head Neck Surg** 1986 Feb;94(2):204–11

Catheter jet ventilation, a favorable technique during resection of the central tracheobronchial system. Salzer GM, et al. **Thorac Cardiovasc Surg** 1985 Oct;33(5):276–8

Tracheal substitution in dogs with reinforced Gore-Tex prosthesis. Troján I, et al. **Thorac Cardiovasc Surg** 1985 Dec;33(6):337–40

Porous hydroxyapatite (HAP) for tracheal interface. Onishi K, et al. **Trans Am Soc Artif Intern Organs** 1985;31:411–5

[Topical problems in tracheobronchial surgery] **Prax Klin Pneumol** 1985 Dec;39 Suppl 1:574–96 (Ger)

[Experimental effectiveness of a teflon prosthesis in the substitution of the trachea] Bassi N, et al. **Acta Otorhinolaryngol Ital** 1985 Jul–Aug;5(4):433–41 (Eng. Abstr.) (Ita)

[Pulmonary resection with reconstruction of the tracheal carina] Sartori F, et al. **Minerva Chir** 1986 Mar 31; 41(5–6):219–24 (Ita)

[Postoperative complications of tracheo-bronchial plastic surgery] Ayabe H, et al. **Kyobu Geka** 1986 Apr;39(4):257–64 (Eng. Abstr.) (Jpn)

[Suture technics of tracheobronchial reconstruction] Fujimura S, et al. **Kyobu Geka** 1985 Aug;38(8):593–600 (Eng. Abstr.) (Jpn)

[Control of the airways during tracheo-bronchial resection and reconstruction] Inoue H, et al. **Kyobu Geka** 1985 Sep; 38(9):677–84 (Eng. Abstr.) (Jpn)

[Preservation of respiratory function by right upper sleeve lobectomy with creation of new carina for complete atelectasis of the right lung] Suito T, et al. **Kyobu Geka** 1985 Sep;38(9):700–5 (Eng. Abstr.) (Jpn)

[Anesthetic management for carinal resection] Kobayashi S, et al. **Masui** 1986 Feb;35(2):312–7 (Eng. Abstr.) (Jpn)

[Hypothermic anesthesia with enflurane for tracheal plastic surgery in an infant] Matsumae T, et al. **Masui** 1986 Feb; 35(2):307–11 (Eng. Abstr.) (Jpn)

[Reconstruction of the trachea, carina and bronchi] Ishihara T. **Nippon Geka Gakkai Zasshi** 1985 Sep;86(9):1041–3 (Eng. Abstr.) (Jpn)

[Carinal resection and reconstruction] **Nippon Kyobu Geka Gakkai Zasshi** 1985 May;33(5):728–46 (Jpn)

[Morphological and biochemical study investigating the healing process at the site of a tracheal anastomosis in the dog] Kikuchi K. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Mar;34(3):357–64 (Eng. Abstr.) (Jpn)

[Experimental study on high frequency ventilation for tracheoplasty and bronchoplasty] Murakami S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Sep;33(9):1329–35 (Eng. Abstr.) (Jpn)

[Carinal resection associated with subtotal esophagectomy ofa carcinoma of the esophagus with an esophagotracheal fistula] Shima S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Jul;33(7):1107–11 (Eng. Abstr.) (Jpn)

[Successful repair of pulmonary sling associated with congenital tracheal stenosis] Yamaguchi M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Jan;34(1):85–9 (Eng. Abstr.) (Jpn)

[Carina resection—a statistical nation-wide report of 103 resected cases in Japan] Yamaguchi Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Jul;33(7):1078–85 (Eng. Abstr.) (Jpn)

[Reconstructive-restorative surgery of acquired esophageal-respiratory fistulas of non-neoplastic etiology] Avilova OM, et al. **Vestn Khir** 1985 Jul;135(7):10–4 (Eng. Abstr.) (Rus)

[Surgical treatment of tracheal diseases] Kharchenko VP, et al. **Vestn Khir** 1985 Oct;135(10):10–5 (Eng. Abstr.) (Rus)

[Tracheal resection for inflammatory polyps] Orel J. **Acta Chir Iugosl** 1985;32(1):65–72 (Eng. Abstr.) (Slv)

TRANSPLANTATION

Rapid detection of xenotransplanted human tissues using in situ hybridization. Obara T, et al. **Am J Pathol** 1986 Mar; 122(3):386–91

ULTRASTRUCTURE

Control of gap junction formation in canine trachea by arachidonic acid metabolites. Agrawal R, et al. **Am J Physiol** 1986 Mar;250(3 Pt 1):C495–505

Normal and collapsed trachea in the dog: scanning electron microscopy study. Dallman MJ, et al. **Am J Vet Res** 1985 Oct;46(10):2110–5

Ultrastructural localization of bronchial inhibitor in human airways using protein A–gold technique. Puchelle E, et al. **Biol Cell** 1985;55(1–2):151–4

Dependence of the reaction of the goblet cells in the rabbit tracheal epithelium on the oral dose of the mucolytic agent. Konrádová V, et al. **Folia Morphol (Praha)** 1985; 33(4):344–50

Glycocalyceal bodies on goblet cells in the human upper airways. Baert J. **J Submicrosc Cytol** 1986 Jan;18(1):183–8

The effects of gossypol on the ultrastructure and function of tracheal ciliated cells. Duckett KE, et al. **J Submicrosc Cytol** 1986 Jan;18(1):117–25

Three-dimensional visualization of basal body structures and some cytoskeletal components in the apical zone of tracheal ciliated cells. Arima T, et al. **J Ultrastruct Res** 1985 Oct–Nov;93(1–2):61–70

A deep-etching study of the guinea pig tracheal cilium with special reference to the ciliary transitional region. Arima T, et al. **J Ultrastruct Res** 1984 Oct;89(1):34–41

New observations on the ultrastructure of mammalian conducting airway epithelium: application of liquid propane freezing, deep etching, and rotary shadowing techniques to freeze-fracture. Carson JL, et al. **J Ultrastruct Res** 1984 Oct;89(1):23–33

Electron microscopic study of the respiratory toxicity of styrene. Ohashi Y, et al. **Osaka City Med J** 1985 Aug; 31(1):11–21

Vitamin A and ciliated cells. I. Respiratory epithelia. Biesalski HK, et al. **Z Ernahrungswiss** 1986 Jun;25(2):114–22

TRACHEAL DISEASES

Tracheal rhinosporidiosis (a case report). Shah AK, et al. **J Postgrad Med** 1985 Oct;31(4):210–1

COMPLICATIONS

Large-airway collapse due to acquired tracheobronchomalacia in infancy. Sotomayor JL, et al. **Am J Dis Child** 1986 Apr;140(4):367–71

Tracheobronchial obstruction complicating peroral prosthesis insertion. Utts SJ, et al. **Gastrointest Endosc** 1985 Dec;31(6):383–4

DIAGNOSIS

[Tracheobronchial dyskinesia of the newborn infant and infant] Minnigerode B, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(6):457–9 (Eng. Abstr.) (Fre)

[Cervical tracheogenic air cyst. Apropos of 2 cases] Riquet M, et al. **Rev Pneumol Clin** 1985;41(3):157–62 (Eng. Abstr.) (Fre)

[Presence of air in the esophagus simulating a tracheal diverticulum. Unique radiological finding in aged patients] Perri G, et al. **Radiol Med (Torino)** 1985 Apr;71(4):227–31 (Eng. Abstr.) (Ita)

[A case of tracheobronchopathia osteochondroplastica] Yoshimura K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Dec; 23(12):1464–71 (Eng. Abstr.) (Jpn)

[Tracheopathia osteoplastica] Stankiewicz A, et al. **Otolaryngol Pol** 1985;39(3):261–2 (Eng. Abstr.) (Pol)

[Case of diagnosis of tracheobronchomegaly in a tuberculosis institution] Muzyko LV, et al. **Probl Tuberk** 1985;(11):69–70 (Rus)

[Isolated amyloidosis of the trachea] Alekseev VG, et al. **Ter Arkh** 1986;58(4):133–5 (Eng. Abstr.) (Rus)

[Tracheocele in childhood] Baselga C, et al. **An Esp Pediatr** 1986 Jan;24(1):45–8 (Eng. Abstr.) (Spa)

ETIOLOGY

Percutaneous lung biopsy. Management of tracheobronchial haemorrhage. Rocke DA. **Anaesthesia** 1984 Sep; 39(9):888–90

Variable intrathoracic upper airway obstruction due to non-small cell lung cancer. Palliation using physiologic and mechanical stenting. King JW, et al. **Chest** 1986 Jun; 89(6):896–8

Granulocyte-mediated airway edema in guinea pigs.

Sheppard D, et al. **J Appl Physiol** 1986 Apr;60(4):1213–20
Tracheostomy sinuses. Case reports of an internal and external sinus. McCormick MS, et al. **J Laryngol Otol** 1985 Nov;99(11):1173–7
Operative complications of tracheoesophageal puncture. Silver FM, et al. **Laryngoscope** 1985 Nov;95(11):1360–2
On vascular rings presenting as recurrent respiratory infections [letter] van Aalderen WM, et al. **Pediatr Pulmonol** 1985 Nov–Dec;1(6):337–8
Tracheal granuloma in a child. Kanra G, et al. **Turk J Pediatr** 1985 Apr–Jun;27(2):99–104
[Pathological laryngotracheobronchial changes following prolonged oro– or nasotracheal intubation. I. The incidence of lesions. Indications] Buruiană M, et al. **Rev Chir [Otorinolaringol]** 1986 Apr–Jun;31(2):157–60 (Eng. Abstr.) **(Rum)**
[Vascular rings: review of our experience] Fernández González R, et al. **Rev Esp Cardiol** 1985 Jul–Aug; 38(4):283–7 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

The pathogenicity of Mycoplasma ovipneumoniae and Mycoplasma arginini in ovine and caprine tracheal organ cultures. Jones GE, et al. **J Comp Pathol** 1985 Oct; 95(4):477–87

PATHOLOGY

Primary tracheobronchial amyloidosis—a report of 2 cases. Peng MJ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Jan; 85(1):80–6
[Diffuse tracheobronchial amyloidosis. Necropsy study in a case diagnosed by fiber bronchoscopy] Verea Hernando H, et al. **Med Clin (Barc)** 1985 Nov 2;85(14):584–7 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

The effects of acute respiratory virus infection upon tracheal mucous transport. Gerrard CS, et al. **Arch Environ Health** 1985 Nov–Dec;40(6):322–5
[Value of the analysis of the flow–volume curve in diseases of the upper airways] Weiller J, et al. **Cah Anesthesiol** 1986 Mar–Apr;34(2):113–6 **(Fre)**

PREVENTION & CONTROL

Evaluation of protection against colonization of the chicken trachea following administration of Mycoplasma gallisepticum bacterin. Talkington FD, et al. **Avian Dis** 1985 Oct–Dec;29(4):998–1003

RADIOGRAPHY

Acquired tracheomegaly in very preterm neonates. Bhutani VK, et al. **Am J Dis Child** 1986 May;140(5):449–52
The respiratory tract in amyloidosis and the plasma cell dyscrasias. Gross BH, et al. **Semin Roentgenol** 1986 Apr; 21(2):113–27

RADIOTHERAPY

Laser photoradiation therapy for tracheobronchial amyloid. Thompson PJ, et al. **Aust NZ J Med** 1986 Apr;16(2):229–30

SURGERY

Limitations of bronchoscopic carbon dioxide laser surgery. Ossoff RH, et al. **Ann Otol Rhinol Laryngol** 1985 Sep–Oct; 94(5 Pt 1):498–501
Tracheal reconstruction with autogenous jejunal microsurgical transfer. Jones RE, et al. **Ann Thorac Surg** 1986 Jun;41(6):636–8
Contemporary surgery of tracheomalacia. Greenholz SK, et al. **J Pediatr Surg** 1986 Jun;21(6):511–4
Management of benign and malignant lesions of the trachea and bronchi with the neodymium–yttrium–aluminum–garnet laser. Wolfe WG, et al. **J Thorac Cardiovasc Surg** 1986 Jan;91(1):40–5
Excision of suprastomal granulation tissue. Reilly JS, et al. **Laryngoscope** 1985 Dec;95(12):1545–6
Laryngo–tracheal laser surgery and general anesthesia. Thode SA. **Lasers Surg Med** 1986;6(3):369–72 (22 ref.)
Bronchoscopic laser surgery: which laser when and why. Ossoff RH. **Otolaryngol Head Neck Surg** 1986 Mar; 94(3):378–81
Tracheobronchial amyloidosis: treatment by carbon dioxide laser photoresection. Breuer R, et al. **Thorax** 1985 Nov; 40(11):870–1
Oesophageal atresia—severe tracheomalacia and its correction by aortopexy. Rode H, et al. **Z Kinderchir** 1985 Oct;40(5):282–6
[Treatment of tracheobronchial granuloma by cryotherapy (letter)] Bonniot JP, et al. **Presse Med** 1986 Apr 5; 15(14):667 **(Fre)**
[Concurrent operations of lung cancer and tracheomalacia] Fujino S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Mar;34(3):376–9 (Eng. Abstr.) **(Jpn)**
[Surgical treatment of tracheal diseases] Kharchenko VP, et al. **Vestn Khir** 1985 Oct;135(10):10–5 (Eng. Abstr.) **(Rus)**

VETERINARY

Normal and collapsed trachea in the dog: scanning electron microscopy study. Dallman MJ, et al. **Am J Vet Res** 1985 Oct;46(10):2110–5
Pathological changes of tracheal mucosa in chickens infected with infectious laryngotracheitis virus. Hayashi S, et al. **Avian Dis** 1985 Oct–Dec;29(4):943–50
[Radiologic diagnosis of internal diseases in dogs (2)] Hartung K. **Tierarztl Prax** 1986;14(1):111–21 (Eng. Abstr.) **(Ger)**

TRACHEAL NEOPLASMS

Palliative tracheal tube stent without tracheotomy in tracheal stenosis [letter] Amemiya R, et al. **J Thorac Cardiovasc Surg** 1985 Oct;90(4):631–2
Chondrosarcoma of the trachea. Report of a case. Arévalo M, et al. **Respiration** 1986;49(2):147–51
[Primary multiple synchronous cancer of the thyroid gland, trachea and esophagus] Bitiutskil PG, et al. **Sov Med** 1986; (5):108–10 **(Rus)**

CHEMICALLY INDUCED

Progression–linked properties of specific–lesion cell populations from 7,12–dimethylbenz[a]anthracene–exposed rat tracheal implants. Marchok AC, et al. **Carcinogenesis** 1986 Jul;7(7):1165–73

COMPLICATIONS

Bronchoscopic cryotherapy for airway strictures caused by tumors. Homasson JP, et al. **Chest** 1986 Aug;90(2):159–64
Fetal hydrops secondary to a paratracheal hemangiomatous malformation. Lenke RR, et al. **J Ultrasound Med** 1986 Apr;5(4):223–5

DIAGNOSIS

Granular cell myoblastoma: rare localization in the trachea. Report of a case and review of the literature. Muthuswamy PP, et al. **Am J Med** 1986 Apr;80(4):714–8
Tracheal papilloma simulating asthma in a child. Rivera R, et al. **Bol Asoc Med PR** 1986 Jul;78(7):298–9
[Benign endotracheobronchial tumors: report of 14 cases] Sun CF, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Sep; 23(9):537–8, 573 (Eng. Abstr.) **(Chi)**

DRUG THERAPY

[The hematoporphyrin derivative (HpD) phototherapy in roentgenologically occult cancer in the trachea and bronchus] Ono R, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Feb 20;21(1):60–7 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

In vitro transformation of rat tracheal epithelial cells: a model for the study of multistage carcinogenesis. Nettesheim P, et al. **Carcinog Compr Surv** 1985;9:283–91
Tracheal carcinoma following short term tracheostomy in childhood (a case report). Phipps JH, et al. **J Laryngol Otol** 1986 Aug;100(8):977–8
[Present status of granular cell tumors. Apropos of 8 new cases with tracheobronchial localization] Feintrenie X, et al. **Rev Pneumol Clin** 1985;41(6):358–64 (Eng. Abstr.) **(Fre)**

METABOLISM

Utilization of pyruvate and pyruvate precursors by normal and carcinogen–altered rat tracheal epithelial cells in culture. Wasilenko WJ, et al. **J Cell Physiol** 1986 Jan; 126(1):69–76

OCCURRENCE

Frequency of distribution according to histological types of lung cancer in the tracheobronchial tree. Celikoğlu SI, et al. **Respiration** 1986;49(2):152–6

PATHOLOGY

Clinicopathologic study of thyroid carcinoma infiltrating the trachea. Tsumori T, et al. **Cancer** 1985 Dec 15; 56(12):2843–8
Analysis of growth fractions and stem cell compartments in transformed rat tracheal epithelial cell colonies. Fitzgerald DJ, et al. **Cancer Res** 1986 Sep;46(9):4642–9
Morphological characterization of transformed colonies in rat tracheal epithelial cell cultures exposed to carcinogen. Kitamura H, et al. **Cancer Res** 1986 Sep;46(9):4631–41
Inhibition of carcinogen–altered rst tracheal epithelial cells by normal epithelial cell–conditioned medium. Terzaghi–Howe M, et al. **Cancer Res** 1986 Feb;46(2):917–21
Primary tracheal carcinoma: two case reports. Joyce WP, et al. **Ir Med J** 1986 Jun;79(6):166–7
Leiomyosarcoma of the trachea. Outzen KE, et al. **J Laryngol Otol** 1986 Aug;100(8):979–84
[Lymphangioma of the respiratory tract: considerations on 2 cases] Aliperta A, et al. **Pathologica** 1985 Jul–Aug; 77(1050):427–36 (Eng. Abstr.) **(Ita)**
[Intraoperative cytologic diagnosis of cylindromas of the trachea and bronchi] Kirdan GV. **Lab Delo** 1986;(1):21–3 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

CT of adenoid cystic carcinoma of the trachea. Spizarny DL, et al. **AJR** 1986 Jun;146(6):1129–32
Juvenile laryngotracheal papillomatosis. Swerdiuk ST, et al. **Am Fam Physician** 1986 Apr;33(4):155–6
Symptomatic solitary granular cell tumor of the trachea. Thaller S, et al. **Chest** 1985 Dec;88(6):925–8
Schwannoma of the trachea. Ikezoe J, et al. **Eur J Radiol** 1986 Feb;6(1):65–6
[X–ray diagnosis of tumors of the trachea and major bronchi] Cai CD. **Chung Hua Fang She Hsueh Tsa Chih** 1985 Aug; 19(4):211–3 (Eng. Abstr.) **(Chi)**

RADIOTHERAPY

Carcinoma recurrence in the tracheal stoma: treatment with intracavitary radiation by modification of tracheostomy tube. Janaki LM, et al. **Radiology** 1986 Apr;159(1):275

SECONDARY

Respiratory distress as primary symptom of relapse in a patient with non–Hodgkin lymphoma. Ho AD, et al. **Blut** 1985 Oct;51(4):287–9
Thyroid tumors invading the larynx and trachea. Tytor M, et al. **J Otolaryngol** 1986 Apr;15(2):74–9
[Pathological tracheobronchial changes in esophageal neoplasms] Buruiană M, et al. **Rev Chir [Otorinolaringol]** 1983 Apr–Jun;28(2):87–90 (Eng. Abstr.) **(Rum)**

SURGERY

Tracheobronchial papillomatosis: anaesthetic implications. Callander CC. **Anaesth Intensive Care** 1986 May; 14(2):201–2
Three years' anaesthetic experience with the Groningen Nd YAG laser coagulation technique. Sia RL, et al. **Anaesthesia** 1985 Sep;40(9):904–6
Entrainment of oxygen and halothane during jet ventilation in patients undergoing excision of tracheal and bronchial tumors. Baraka A, et al. **Anesth Analg** 1986 Feb;65(2):191–4
Cryotherapy for advanced carcinoma of the trachea and bronchi. Maiwand MO. **Br Med J [Clin Res]** 1986 Jul 19; 293(6540):181–2
Subtotal tracheal resection: a case report and review of airway, anaesthetic and post–operative problems. Pollard BJ, et al. **Eur J Anaesthesiol** 1985 Dec;2(4):387–94
Complications of tracheal reconstruction. Incidence, treatment, and prevention. Grillo HC, et al. **J Thorac Cardiovasc Surg** 1986 Mar;91(3):322–8
Tracheal carcinoma. Beech RR, et al. **Kans Med** 1985 Sep; 86(9):267–70, 278
Surgical treatment for tracheal diseases. A report of 72 cases. Huang OL, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 May;33(5):633–42
[Use of the YAG laser in bronchology in the treatment of tracheobronchial cancers, benign tumors and iatrogenic stenoses: clinical experience involving 50 treatments] Schneider JC. **Bull Soc Sci Med Grand Duche Luxemb** 1985; 122(2):27–33 **(Fre)**
[Endoscopic resection in bronchology using the YAG laser. Evaluation of a 5–year experience] Dumon JF, et al. **Schweiz Med Wochenschr** 1985 Sep 28;115(39):1336–44 (Eng. Abstr.) **(Fre)**
[The Plastic Surgery Study Group. Modern reconstructive procedures of the mouth, pharynx and cervical trachea] **Arch Otorhinolaryngol [Suppl]** 1985;2:34–52 **(Ger)**
[Possibilities in the surgical treatment of tracheal tumors] Kulka F, et al. **Orv Hetil** 1986 Feb 9;127(6):327–30 (Eng. Abstr.) **(Hun)**
[Tracheobronchial reconstruction in bronchial gland carcinoma] Fujimura S, et al. **Kyobu Geka** 1985 Oct; 38(10):806–11 (Eng. Abstr.) **(Jpn)**
[Reconstruction of the trachea and bronchus] Tsubota N, et al. **Kyobu Geka** 1986 Jan;39(1):19–28 (Eng. Abstr.) **(Jpn)**
[A case of adenoid cystic carcinoma of the trachea treated by circumferential resection and anastomosis] Yokomise H, et al. **Kyobu Geka** 1985 Jul;38(7):568–71 (Eng. Abstr.) **(Jpn)**
[2 cases of tracheal papillomatosis in children. The therapeutic posture] Buruiană M, et al. **Rev Chir [Otorinolaringol]** 1985 Oct–Dec;30(4):291–4 (Eng. Abstr.) **(Rum)**
[Tracheal resection for inflammatory polyps] Orel J. **Acta Chir Iugosl** 1985;32(1):65–72 (Eng. Abstr.) **(Slv)**

ULTRASTRUCTURE

Adenoid cystic (cylindromatous) carcinoma of the trachea: an ultrastructural study. Balázs M. **Histopathology** 1986 Apr;10(4):425–35
[Electron microscope studies in adenoid cystic carcinoma of the trachea] Balázs M, et al. **Morphol Igazsagugyi Orv Sz** 1985 Oct;25(4):243–52 (Eng. Abstr.) **(Hun)**

TRACHEAL STENOSIS

COMPLICATIONS

[A case of non–specific chronic inflammatory tracheo–bronchial stenosis] Moriyama S, et al. **Kyobu Geka** 1986 May;39(5):406–10 (Eng. Abstr.) **(Jpn)**
[Successful management of tracheal stricture combined with bilateral laryngeal nerve paralysis] Tsubota N, et al. **Kyobu Geka** 1986 May;39(5):411–3 (Eng. Abstr.) **(Jpn)**

CONGENITAL

Congenital tracheal stenosis. Tan AM, et al. **J Singapore Paediatr Soc** 1985;27(3–4):218–22

[Congenital tracheal stenosis associated with aberrant left pulmonary artery. Apropos of a severe form with neonatal disclosure] Boutte P, et al. **Pediatrie** 1985 Dec;40(8):639–44 (Eng. Abstr.) **(Fre)**

[Aberrant course of the left pulmonary artery—a contribution to a rare disease picture] Hager J, et al. **Z Kinderchir** 1986 Feb;41(1):49–51 (Eng. Abstr.) **(Ger)**

[Successful repair of pulmonary sling associated with congenital tracheal stenosis] Yamaguchi M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Jan;34(1):85–9 (Eng. Abstr.) **(Jpn)**

[Congenital tracheal stenosis. Differential diagnosis with vascular ring. Report of a case] Júdice LF, et al. **Arq Bras Cardiol** 1985 Feb;44(2):121–3 (Eng. Abstr.) **(Por)**

DIAGNOSIS

MR imaging in infants with airway obstruction: preliminary observations. Fletcher BD, et al. **Radiology** 1986 Jul; 160(1):245–9

[Recurrent stenosing laryngotracheitis syndrome] Evtod'eva MIa, et al. **Pediatriia** 1985 Sep;(9):47–9 **(Rus)**

ETIOLOGY

Delayed aerodigestive tract complications following combined therapy for thyroid cancer. Grossman TW, et al. **Ann Otol Rhinol Laryngol** 1985 Sep–Oct;94(5 Pt 1):505–8

Effect of gastric acid on the pathogenesis of subglottic stenosis. Little FB, et al. **Ann Otol Rhinol Laryngol** 1985 Sep–Oct;94(5 Pt 1):516–9

Necrotizing tracheobronchitis: a new indication for emergency bronchoscopy in the neonate. Pietsch JB, et al. **J Pediatr Surg** 1985 Aug;20(4):391–3

Association of common origin of the carotid arteries with anomalous origin of the left coronary artery from the pulmonary artery. Ehren H, et al. **Pediatr Pathol** 1985; 4(1–2):59–66

The significance of tracheal stenosis in esophageal atresia. Wurnig P, et al. **Prog Pediatr Surg** 1986;19:62–72

[Radiation tracheostenosis (report of 6 cases)] Shi XH. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Feb;20(1):12–4 (Eng. Abstr.) **(Chi)**

[Postoperative complications of tracheo–bronchial plastic surgery] Ayabe H, et al. **Kyobu Geka** 1986 Apr;39(4):257–64 (Eng. Abstr.) **(Jpn)**

[Difficult decannulation after cranio–cerebral injuries] Szmeja Z, et al. **Otolaryngol Pol** 1985;39(6):452–5 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Role of peripheral chemoreceptors in response to smoke–induced apnea vs tracheal occlusion. O'Dell SL, et al. **Experientia** 1985 Sep 15;41(9):1130–1

[Characteristics of oxygen–transport systems of the body in young children with stenosing laryngotracheitis] Kireev SS. **Anesteziol Reanimatol** 1985 Sep–Oct;(5):59–62 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Computed tomography of diffuse tracheal stenosis in Wegener granulomatosis. Stein MG, et al. **J Comput Assist Tomogr** 1986 Sep–Oct;10(5):868–70

[Case report of tracheal stenosis] Wurbs W. **Z Erkr Atmungsorgane** 1986;166(1):92–6 (Eng. Abstr.) **(Ger)**

SURGERY

Epithelialized microvascular iliac crest flap for reconstruction of subglottic and upper tracheal stenosis: a preliminary report. Kambič V, et al. **Am J Otolaryngol** 1986 May–Jun;7(3):157–62

High frequency ventilation through a small catheter for laser surgery of laryngotracheal and bronchial disorders. el–Baz NM, et al. **Ann Otol Rhinol Laryngol** 1985 Sep–Oct;94(5 Pt 1):483–8

Anterior cricoid split: a "simple" surgical procedure and a potentially complicated care problem. Grundfast KM, et al. **Ann Otol Rhinol Laryngol** 1985 Sep–Oct;94(5 Pt 1):445–9

Surgical treatment of congenital distal tracheal stenosis involving the carina. Minato N, et al. **Ann Thorac Surg** 1986 Sep;42(3):326–8

Surgical treatment of laryngotracheal stenosis by a trough technique. Okada K, et al. **Auris Nasus Larynx** 1985;12 Suppl 2:S78–80

Reconstruction of the upper airway following stenotic processes. von Ilberg C, et al. **Auris Nasus Larynx** 1985; 12 Suppl 2:S75–7

Bronchoscopic cryotherapy for airway strictures caused by tumors. Homasson JP, et al. **Chest** 1986 Aug;90(2):159–64

Reconstruction of the subglottic larynx with a myoperiosteal flap: clinical and experimental study. Friedman M, et al. **Head Neck Surg** 1986 Mar–Apr;8(4):287–95

The successful reconstruction of thoracic tracheal defects with free periosteal grafts. Cohen RC, et al. **J Pediatr Surg** 1985 Dec;20(6):852–8

A new model of tracheal stenosis and its repair with free periosteal grafts. Cohen RC, et al. **J Thorac Cardiovasc Surg** 1986 Aug;92(2):296–304

Composite hyoid–sternohyoid interposition graft revisited: UCLA experience 1974–1984. Burstein FD, et al. **Laryngoscope** 1986 May;96(5):516–20

Efficacy of bronchoscopic carbon dioxide laser surgery for benign strictures of the trachea. Ossoff RH, et al. **Laryngoscope** 1985 Oct;95(10):1220–3

Low frequency jet ventilation for tracheal resection. Scamman FL, et al. **Laryngoscope** 1986 Jun;96(6):678–9

Nd–YAG laser application in pulmonary and endobronchial lesions. Kao SJ, et al. **Lasers Surg Med** 1986;6(3):296–307

Surgical treatment for tracheal diseases. A report of 72 cases. Huang OL, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 May;33(5):633–42

Repair of stenosed tracheostoma. Takato T, et al. **ORL J Otorhinolaryngol Relat Spec** 1985;47(6):299–302

Experience with tracheal resection for traumatic tracheal stenosis. Miller RH, et al. **Otolaryngol Head Neck Surg** 1986 Apr;94(4):444–50

[Use of the YAG laser in bronchology in the treatment of tracheobronchial cancers, benign tumors and iatrogenic stenoses: clinical experience involving 50 treatments] Schneider JC. **Bull Soc Sci Med Grand Duche Luxemb** 1985; 122(2):27–33 **(Fre)**

[Treatment of stenoses of the laryngotracheal junction and the cervical trachea] Weerda H, et al. **HNO** 1986 Apr; 34(4):156–63 (Eng. Abstr.) **(Ger)**

[How can restenosis following transverse resection of the trachea be prevented?] Scherer H. **Laryngol Rhinol Otol (Stuttg)** 1985 Nov;64(11):599 **(Ger)**

[Reconstructive operations in tracheal stenoses and acquired tracheoesophageal fistulas] Hajek M. **Z Erkr Atmungsorgane** 1986;166(1):116–8 **(Ger)**

[Reconstruction following extensive cervicothoracic tracheal resection for benign stenosis] Engelmann C, et al. **Zentralbl Chir** 1986;111(3):147–51 **(Ger)**

[Hypothermic anesthesia with enflurane for tracheal plastic surgery in an infant] Matsumae T, et al. **Masui** 1986 Feb; 35(2):307–11 (Eng. Abstr.) **(Jpn)**

THERAPY

Palliative tracheal tube stent without tracheotomy in tracheal stenosis [letter] Amemiya R, et al. **J Thorac Cardiovasc Surg** 1985 Oct;90(4):631–2

[Use of endobronchial methods in the combined treatment of severe forms of acute stenosing laryngotracheobronchitis in children] Kaukialnen AB, et al. **Pediatriia** 1985 Aug; (8):58–60 **(Rus)**

TRACHEITIS

CHEMICALLY INDUCED

Airway hyperresponsiveness and inflammation induced by toluene diisocyanate in guinea pigs. Gordon T, et al. **Am Rev Respir Dis** 1985 Nov;132(5):1106–12

[Effect of sulfuric acid vapors on the respiratory system] Pawelek–Krombholz D, et al. **Med Pr** 1985;36(4):229–35 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

Bacterial tracheitis [letter] White JB, et al. **Anaesthesia** 1985 Dec;40(12):1243

Unusual causes of life–threatening upper airway obstruction. Nugent SK, et al. **Indiana Med** 1986 Feb;79(2):165–7

Necrotizing tracheobronchitis: a new indication for emergency bronchoscopy in the neonate. Pietsch JB, et al. **J Pediatr Surg** 1985 Aug;20(4):391–3

[A case of non–specific chronic inflammatory tracheo–bronchial stenosis] Moriyama S, et al. **Kyobu Geka** 1986 May;39(5):406–10 (Eng. Abstr.) **(Jpn)**

[Characteristics of oxygen–transport systems of the body in young children with stenosing laryngotracheitis] Kireev SS. **Anesteziol Reanimatol** 1985 Sep–Oct;(5):59–62 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Bacterial infraglottitis and adult respiratory distress syndrome: case report. Rodriguez–Santana JR, et al. **Bol Asoc Med PR** 1986 Apr;78(4):162–9

Bacterial tracheitis, diagnosis and treatment. Mahajan A, et al. **Ist J Pediatr Otorhinolaryngol** 1985 Dec;10(3):271–7

[Recurrent stenosing laryngotracheitis syndrome] Evtod'eva MIa, et al. **Pediatriia** 1985 Sep;(9):47–9 **(Rus)**

DRUG THERAPY

[Use of thymalin in the diseases of early infancy] Trofimenko IA, et al. **Pediatriia** 1985 Aug;(8):31–5 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Herpetic tracheobronchitis detected at bronchoscopy: cytologic diagnosis by the immunoperoxidase method. Bedrossian CW, et al. **Diagn Cytopathol** 1985 Oct–Dec; 1(4):292–9

Stenotic tuberculous tracheitis treated with resection and anastomosis. Mellem H, et al. **Eur J Respir Dis** 1986 Mar; 68(3):224–5

Membranous laryngotracheobronchitis, a complication of measles. Labay MV, et al. **Intensive Care Med** 1985; 11(6):326–7

Necrotizing tracheobronchitis: a complication of high–frequency ventilation. Boros SJ, et al. **J Pediatr** 1986 Jul;109(1):95–100

Cryptosporidium as cause of laryngotracheitis in an infant [letter] Harari MD, et al. **Lancet** 1986 May 24;1(8491):1207

[Staphylococcal toxic shock, crusted tracheitis and prolonged coma in a young child (letter)] Borderon JC, et al. **Arch Fr Pediatr** 1985 May;42(5):403 **(Fre)**

PATHOLOGY

Necrotizing tracheobronchitis: case report. Mimouni F, et al. **Pediatrics** 1986 Mar;77(3):366–8

PHYSIOPATHOLOGY

Reactivity of cat tracheal smooth muscle to histamine under conditions of experimentally induced inflammation. Bánovčin P, et al. **Respiration** 1985;48(2):103–7

SURGERY

[Tracheotomy in the comprehensive treatment of acute stenosing laryngotracheobronchitis in children] Lejska V, et al. **Cesk Otolaryngol** 1985 Nov;34(6):351–4 (Eng. Abstr.) **(Cze)**

THERAPY

Intubation for the membranous laryngotracheobronchitis. Watanabe H, et al. **Auris Nasus Larynx** 1985;12(3):183–6

Bronchoscopic treatment of necrotising tracheo–bronchitis in a newborn [letter] Sauer PJ, et al. **Eur J Pediatr** 1986 Apr;144(6):596–7

[Therapy of acute malignant tracheobronchitis] Frey G, et al. **Kinderarztl Prax** 1985 Dec;53(12):611–4 (Eng. Abstr.) **(Ger)**

VETERINARY

Clearance of bacteria in turkeys with Bordetella avium–induced tracheitis. Ficken MD, et al. **Avian Dis** 1986 Apr–Jun;30(2):352–7

Turkey rhinotracheitis: leads and lessons. **Vet Rec** 1986 Feb 22;118(8):193

Viruses associated with turkey rhinotracheitis in Great Britain [letter] Alexander DJ, et al. **Vet Rec** 1986 Feb 22; 118(8):217–8

Turkey rhinotracheitis: preliminary investigations. McDougall JS, et al. **Vet Rec** 1986 Feb 22;118(8):206–7

Evidence of immunosuppression in turkey poults affected by rhinotracheitis [letter] Timms LM. **Vet Rec** 1986 Feb 22; 118(8):218

Evidence of immunosuppression in turkey poults affected by rhinotracheitis. Timms LM, et al. **Vet Rec** 1986 Jul 26; 119(4):91–2

Ciliostatic agent found in rhinotracheitis [letter] Wilding GP, et al. **Vet Rec** 1986 Jun 28;118(26):735

[Detection of attenuated virus latency in infectious laryngotracheitis in the trigeminal ganglion of the chicken] Kaleta EF, et al. **DTW** 1986 Jan 7;93(1):40–2 (Eng. Abstr.) **(Ger)**

TRACHEOESOPHAGEAL FISTULA

CLASSIFICATION

A comparison between gap–length and Waterston classification as guides to mortality and morbidity after surgery for esophageal atresia. Hands LJ, et al. **J Pediatr Surg** 1986 May;21(5):404–6

COMPLICATIONS

Bladder disconfiguration in conjunction with the Vater associated anomalies (Say syndrome). Tanyel FC, et al. **Turk J Pediatr** 1986 Jan–Mar;28(1):85–9

[Congenital esophago–tracheal fistula without esophageal atresia. Clinico–diagnostic considerations in 3 cases] Taccone F, et al. **Minerva Pediatr** 1985 Jun 30; 37(11–12):457–62 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Three complex cases of foregut atresia: prenatal sonographic diagnosis with radiographic correlation. Weinberg B, et al. **JCU** 1985 Sep;13(7):481–4

ETIOLOGY

An aetiological study of the VACTERL–association. Czeizel A, et al. **Eur J Pediatr** 1985 Nov;144(4):331–7

Nasopulmonary intubation with feeding tubes: case reports and review of the literature. Lipman TO, et al. **JPEN J Parenter Enteral Nutr** 1985 Sep–Oct;9(5):618–20

Pleural complications of nasoenteric feeding tubes. Valentine RJ, et al. **JPEN J Parenter Enteral Nutr** 1985 Sep–Oct; 9(5):605–7

PATHOLOGY

[Post–caustic esophageal stricture and consecutive disease states: bacilliferous pulmonary tuberculosis, esophagotracheal fistula, secondary amenorrhea (a case

report)] Kálmán K. **Rev Ig [Pneumoftiziol]** 1985 Oct-Dec; 34(4):375-9 (Eng. Abstr.) **(Rum)**

RADIOGRAPHY

Computed tomography for diagnosis of tracheoesophageal fistula. Leeds WM, et al. **Crit Care Med** 1986 Jun; 14(6):591-2

Computed tomography evaluation of tracheoesophageal fistula. Vaid YN, et al. **J Comput Tomogr** 1986 Jul; 10(3):281-5

A 34-year-old woman with persistent cough and diarrhea. Britton CA, et al. **JAMA** 1986 May 23-30;255(20):2785-7

Congenital H-type tracheoesophageal fistula: 2 cases safely diagnosed with metrizamide. Wang JZ, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1985 Jul 25; 45(7):1009-16

A spectrum of bronchopulmonary anomalies associated with tracheoesophageal malformations. Benson JE, et al. **Pediatr Radiol** 1985;15(6):377-80

Recurrence of tracheo-oesophageal fistula 32 years after primary repair. Ashour M. **Thorax** 1986 Jan;41(1):76-7

SURGERY

Use of the pectoralis major muscle flap for repair of a tracheoesophageal fistula. Siu KF, et al. **Am J Surg** 1985 Nov;150(5):617-9

A new approach to the management of malignant esophageal obstruction and esophagorespiratory fistula. Ghazi A, et al. **Ann Thorac Surg** 1986 May;41(5):531-4

Surgical treatment of H-type tracheoesophageal fistula diagnosed in an adult. Holman WL, et al. **Ann Thorac Surg** 1986 Apr;41(4):453-4

Transcutaneous oxygen monitoring in an infant undergoing tracheoesophageal fistula repair. Bautista MJ, et al. **Can Anaesth Soc J** 1986 Jul;33(4):505-8

Giant acquired tracheoesophageal fistulas: strategy for successful management. Freeman MS, et al. **Head Neck Surg** 1986 Jul-Aug;8(6):463-5

The use of pericardium for the management of recurrent tracheoesophageal fistula. Botham MJ, et al. **J Pediatr Surg** 1986 Feb;21(2):164-6

Morbid musculoskeletal sequelae of thoracotomy for tracheoesophageal fistula. Jaureguizar E, et al. **J Pediatr Surg** 1985 Oct;20(5):511-4

Transtracheal repair of recurrent tracheoesophageal fistula. Martin LW, et al. **J Pediatr Surg** 1986 May;21(5):402-3

[Pericardial tamponade: a rare but severe complication of a vena cava catheter. Case report] Jürs G, et al. **Anaesthesist** 1985 Dec;34(12):690-3 (Eng. Abstr.) **(Ger)**

[Reconstructive operations in tracheal stenoses and acquired tracheoesophageal fistulas] Hajek M. **Z Erkr Atmungsorgane** 1986;166(1):116-8 **(Ger)**

[Carinal resection associated with subtotal esophagectomy ofa carcinoma of the esophagus with an esophagotrscheal fistula] Shima S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Jul;33(7):1107-11 (Eng. Abstr.) **(Jpn)**

[Reconstructive-restorative surgery of acquired esophageal-respiratory fistulas of non-neoplastic etiology] Avilova OM, et al. **Vestn Khir** 1985 Jul;135(7):10-4 (Eng. Abstr.) **(Rus)**

THERAPY

Malpositioning of the endotracheal tube in infants with tracheoesophageal fistula. Buchino JJ, et al. **J Pediatr** 1986 Sep;109(3):524-5

Management of esophageal atresia and tracheoesophageal fistula in the neonate with severe respiratory distress syndrome. Templeton JM Jr, et al. **J Pediatr Surg** 1985 Aug;20(4):394-7

[Treatment of esophagotracheal and esophagobronchial fistulas secondary to carcinoma of the esophagus] Forni E, et al. **Chir Ital** 1984 Oct;36(5):773-84 (Eng. Abstr.) **(Ita)**

TRACHEOSTOMY see **TRACHEOTOMY**

TRACHEOTOMY

Tidal flow measurement in the decision to decannulate the pediatric patient. Mallory GB Jr, et al. **Ann Otol Rhinol Laryngol** 1985 Sep-Oct;94(5 Pt 1):454-7

Intubation for the membranous laryngotracheobronchitis. Watanabe H, et al. **Auris Nasus Larynx** 1985;12(3):183-6

Achondroplasia and obstructive sleep apnea: correction of apnea and abnormal sleep-entrained growth hormone release by tracheostomy. Goldstein SJ, et al. **Birth Defects** 1985;21(2):93-101

Tracheostomy in the intensive care unit. Part 1: Indications, technique, management. Heffner JE, et al. **Chest** 1986 Aug; 90(2):269-74

Prolonged endotracheal intubation vs. tracheostomy. Berlauk JF. **Crit Care Med** 1986 Aug;14(8):742-5 (34 ref.)

A modified endotracheal tube for tracheostomy [letter] Capuano U, et al. **Crit Care Med** 1986 May;14(5):521-2

Density gradient study of bronchial mucus aspirates from healthy volunteers (smokers and nonsmokers) and from patients with tracheostomy. Bhaskar KR, et al. **Exp Lung Res** 1985;9(3-4):289-308

Anesthesia in cancrum oris. Oberoi GS, et al. **Indian J Pediatr** 1985 Nov-Dec;52(419):671-2

Simplified oxygen administration in tracheostomized patients with bronchopulmonary dysplasia. Coates AL, et al. **Int J Pediatr Otorhinolaryngol** 1985 Oct;10(1):87-90

Changes in breathing when switching from nares to tracheostomy breathing in awake ponies. Forster HV, et al. **J Appl Physiol** 1985 Oct;59(4):1214-21

The treatment of sleep apnea [letter] Miller SD. **JAMA** 1986 Jul 18;256(3):348-9

Tracheostomy for sleep apnoea [letter] George CF, et al. **Lancet** 1986 Feb 8;(8476):332

Aspiration of baby powder [letter] Cotton WH, et al. **N Engl J Med** 1985 Dec 26;313(26):1662

Pediatric tracheotomy. Controversies in management. Gilmore BB Jr, et al. **Otolaryngol Clin North Am** 1986 Feb; 19(1):141-51

Home cleaning-disinfection procedure for tracheal suction catheters. Shabino CL, et al. **Pediatr Infect Dis** 1986 Jan-Feb;5(1):54-8

Sterile water for tracheostomy home care: homemade versus commercial preparations. Kun S, et al. **Pediatr Pulmonol** 1986 Mar-Apr;2(2):108-9

[Changes in tissues after tracheotomy in an experimental animal] Bednaříková L, et al. **Cesk Otolaryngol** 1986 Apr; 35(3):129-32 (Eng. Abstr.) **(Cze)**

[Tracheotomy in the comprehensive treatment of acute stenosing laryngotracheobronchitis in children] Lejska V, et al. **Cesk Otolaryngol** 1985 Nov;34(6):351-4 (Eng. Abstr.) **(Cze)**

[Choice and surveillance of the tracheotomy tube in patients with chronic respiratory insufficiency] Bedicam JM. **Agressologie** 1985 Oct;26(9):737-44 (Eng. Abstr.) **(Fre)**

[Preparation for domiciliary artificial ventilation via tracheotomy, from the tracheotomy decision to the return home] Herman B. **Agressologie** 1985 Oct;26(9):725-7 (Eng. Abstr.) **(Fre)**

[Indications for domiciliary ventilation via tracheotomy] Robert D, et al. **Agressologie** 1985 Oct;26(9):721-3 (Eng. Abstr.) **(Fre)**

[Evaluation of the results of domiciliary assisted ventilation via tracheotomy] Robert D, et al. **Agressologie** 1985 Oct; 26(9):753-5 (Eng. Abstr.) **(Fre)**

[Outcome of patients with chronic respiratory insufficiency treated at home with tracheotomy and assisted ventilation] Dudeffant P, et al. **Rev Mal Respir** 1985;2(3):145-50 (Eng. Abstr.) **(Fre)**

[Long-term intubation following tracheotomy] Kramer W, et al. **Chirurg** 1986 Jul;57(7):452-6 (Eng. Abstr.) **(Ger)**

[Traumatic macroglossia—a rare indication for tracheotomy] Kurlemann G, et al. **Klin Padiatr** 1985 Jul-Aug; 197(4):312-4 (Eng. Abstr.) **(Ger)**

[Erosion hemorrhage of the brachiocephalic trunk following tracheotomy] Berge H, et al. **Zentralbl Chir** 1986; 111(12):739-42 **(Ger)**

[Reconstruction following extensive cervicothoracic tracheal resection for benign stenosis] Engelmann C, et al. **Zentralbl Chir** 1986;111(3):147-51 **(Ger)**

[Tracheobronchial reconstruction in bronchial gland carcinoma] Fujimura S, et al. **Kyobu Geka** 1985 Oct; 38(10):806-11 (Eng. Abstr.) **(Jpn)**

[A case of autogenous tracheotomy] Betkowski A, et al. **Wiad Lek** 1985 Oct 15;38(20):1462-4 (Eng. Abstr.) **(Pol)**

[Staple suture of the trachea using instruments with needle-like matrices] Petrova NP, et al. **Khirurgiia (Mosk)** 1986 Jan;(1):99-101 **(Rus)**

[Use of tracheostomy in maxillofacial surgery] Fediaev IM, et al. **Klin Khir** 1985;(12):21-3 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Tracheal rupture following cervical manipulation: late complication posttracheostomy. Putnam TD, et al. **Arch Phys Med Rehabil** 1986 Jan;67(1):48-50

Tracheostomy in the intensive care unit. Part 2: Complications. Heffner JE, et al. **Chest** 1986 Sep; 90(3):430-6

Obstruction of tracheostomy by thrombus [letter] Underwood SM, et al. **Crit Care Med** 1986 Sep;14(9):834

Stomal sepsis and fatal haemorrhage following tracheostomy. Moar JJ, et al. **Int J Oral Maxillofac Surg** 1986 Jun; 15(3):339-41

Histopathological changes in distal tracheal mucosa in beagle puppies. Yoshpe N, et al. **Int J Pediatr Otorhinolaryngol** 1986 Feb;11(1):47-60

Tracheostomy sinuses. Case reports of an internal and external sinus. McCormick MS, et al. **J Laryngol Otol** 1985 Nov;99(11):1173-7

Tracheostomy in intensive care setting. Dayal VS, et al. **Laryngoscope** 1986 Jan;96(1):58-60

Excision of suprastomal granulation tissue. Reilly JS, et al. **Laryngoscope** 1985 Dec;95(12):1545-6

Life-threatening clavicular osteomyelitis in two debilitated patients. Baratz M, et al. **Orthopedics** 1985 Dec; 8(12):1492-4

Tracheal granuloma in a child. Kanra G, et al. **Turk J Pediatr** 1985 Apr-Jun;27(2):99-104

[Iatrogenic air cyst of the neck as a complication of tracheotomy] Betkowski A, et al. **Wiad Lek** 1985 Oct 1; 38(19):1377-80 (Eng. Abstr.) **(Pol)**

HISTORY

[The history of tracheotomy. I] Brandt L, et al. **Anaesthesist** 1986 May;35(5):279-83 (Eng. Abstr.) **(Ger)**

[The history of the tracheotomy. II.] Goerig M, et al. **Anaesthesist** 1986 Jul;35(7):397-402 **(Ger)**

INSTRUMENTATION

Inhalation of a minitracheotomy tube [letter] Leach AB. **Anaesthesia** 1986 Mar;41(3):338

Custom-made cuffed tracheostomy tubes for infants and small children [letter] Galvis AG. **Crit Care Med** 1986 Mar; 14(3):261

Disposable tracheostomy inner cannula. Crow S. **Infect Control** 1986 May;7(5):285-6

Tracheostomy tubes and attachments in infants and children. Downes JJ, et al. **Int Anesthesiol Clin** 1985 Winter; 23(4):37-60 (28 ref.)

Inhalation of a minitracheotomy tube. Charnley RM, et al. **Intensive Care Med** 1986;12(2):108-9

Customizing tracheotomy tubes. Eavey RD, et al. **Laryngoscope** 1985 Nov;95(11):1407-8

Vocal restoration and the large irregular tracheostoma. Johnson JT, et al. **Laryngoscope** 1986 Feb;96(2):214-5

[A new double-lumen tracheostomy tube for long-term use] Rommelsheim K. **Anasth Intensivther Notfallmed** 1985 Dec; 20(6):342-4 (Eng. Abstr.) **(Ger)**

[Flow dynamic studies of artificial tracheal tubes with speech valves] Hutten H, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Sep;64(9):492-7 (Eng. Abstr.) **(Ger)**

[Tracheal cannula with a detachable mucus container] Lichtenberger G. **Laryngol Rhinol Otol (Stuttg)** 1986 Jul; 65(7):410-2 (Eng. Abstr.) **(Ger)**

[A new tracheal tube improving patient care and rehabilitation] Lichtenberger G. **Orv Hetil** 1986 Jan 12; 127(2):93-6 (Eng. Abstr.) **(Hun)**

[Puncture tracheostomy at the prehospital stage] Lapshin VN, et al. **Vestn Khir** 1985 Dec;135(12):118-9 (Eng. Abstr.) **(Rus)**

METHODS

Emergency pediatric tracheostomy: a usable technique and model for instruction. McLaughlin J, et al. **Ann Emerg Med** 1986 Apr;15(4):463-5

Comparisons of tracheostomy incisions in a pediatric model. Fry TL, et al. **Ann Otol Rhinol Laryngol** 1985 Sep-Oct; 94(5 Pt 1):450-3

Sternotomy with tracheostoma [letter] Bowman GA, et al. **Ann Thorac Surg** 1986 Jul;42(1):119

Excess sputum [letter] Hopkinson RB. **Br J Hosp Med** 1986 Apr;35(4):277

Pediatric tracheotomy. MacRae DL, et al. **J Otolaryngol** 1984 Oct;13(5):309-11

Contemporary surgery of tracheomalacia. Greenholz SK, et al. **J Pediatr Surg** 1986 Jun;21(6):511-4

A modification of Bjork's tracheotomy flap. Gupta DK, et al. **J R Coll Surg Edinb** 1985 Jun;30(3):193-5

Intermittent tracheostomy in sheep. Dueck R, et al. **Lab Anim Sci** 1985 Oct;35(5):509-12

Avoiding problems in tracheotomy. Kirchner JA. **Laryngoscope** 1986 Jan;96(1):55-7

Myocutaneous fenestration in sleep apnea patients. O'Leary MJ, et al. **Laryngoscope** 1986 Apr;96(4):356-9

A modified technique for tubeless tracheostomy. Eliachar I, et al. **Otolaryngol Head Neck Surg** 1986 Jun;94(5):548-52

Carcinoma recurrence in the tracheal stoma: treatment with intracavitary radiation by modification of tracheostomy tube. Janaki LM, et al. **Radiology** 1986 Apr;159(1):275

[Mediastinal tracheostomy using a myocutaneous island flap of the greater pectoral muscle] Calteux N, et al. **Ann Chir Plast Esthet** 1985;30(3):283-6 (Eng. Abstr.) **(Fre)**

[Establishment and closure of an epithelialized tracheostoma] von Scheel J. **Laryngol Rhinol Otol (Stuttg)** 1986 Jul; 65(7):413-4 **(Ger)**

[Reconstruction of the trachea and bronchus] Tsubota N, et al. **Kyobu Geka** 1986 Jan;39(1):19-28 (Eng. Abstr.) **(Jpn)**

NURSING

Preoperative nursing planning in pediatric tracheotomy. Hennessy PA. **Otolaryngol Head Neck Surg** 1985 Dec; 93(6):777-8

REHABILITATION

Evaluation of the electrolarynx in the short-term hospital setting. Adler JJ, et al. **Chest** 1986 Mar;89(3):407-9

TRENDS

Tracheotomy in infants and young children: the changing perspective 1970-1985. Linz WS Jr, et al. **Laryngoscope** 1986 May;96(5):510-5

VETERINARY

Effects of small and large face masks and translaryngeal and tracheostomy intubation on ventilation, upper-airway dead space, and arterial blood gases. Haskins SC, et al. **Am J Vet Res** 1986 Apr;47(4):945-8

TRACHOMA

Sociomedical contributions to trachoma research and intervention. Dunn FL. **Rev Infect Dis** 1985 Nov-Dec; 7(6):783-6

COMPLICATIONS

Infectious causes of blindness: trachoma and onchocerciasis. **Rev Infect Dis** 1985 Nov-Dec;7(6):711–846

DIAGNOSIS

Direct-smear fluorescent antibody cytology as a field diagnostic tool for trachoma. Wilson MC, et al. **Arch Ophthalmol** 1986 May;104(5):688–90

Identification of Chlamydia trachomatis by direct immunofluorescence applied in specimens originating in remote areas. Williams T, et al. **J Clin Microbiol** 1985 Dec; 22(6):1053–4

[Trachoma detection campaign in the schools of Nouadhibou] Giusti M, et al. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1984;(2–4):143–7 (Eng. Abstr.) (Fre)

[Conjunctivitis caused by Chlamydia and parasites] Klauss V. **Fortschr Ophthalmol** 1986;83(1):72–9 (Eng. Abstr.) (Ger)

DRUG THERAPY

[Preparation of long-acting rifampin film for the treatment of trachoma] Dai YH. **Chung Hua Yen Ko Tsa Chih** 1986 Mar;22(2):102–3 (Eng. Abstr.) (Chi)

ETIOLOGY

Importance of reinfection in the pathogenesis of trachoma. Grayston JT, et al. **Rev Infect Dis** 1985 Nov-Dec; 7(6):717–25

IMMUNOLOGY

Serum complement components in patients with trachoma. Sen DK, et al. **Br J Ophthalmol** 1985 Sep;69(9):707–10

OCCURRENCE

The ecology of trachoma: an epidemiological study in southern Mexico. Taylor HR, et al. **Bull WHO** 1985; 63(3):559–67

Risk-factor studies as an epidemiologic tool. Taylor HR, et al. **Rev Infect Dis** 1985 Nov-Dec;7(6):765–7

The community epidemiology of trachoma. Treharne JD. **Rev Infect Dis** 1985 Nov-Dec;7(6):760–4

[Epidemiologic study of trachoma in 3 different areas of the Sfax region] Kamoun M, et al. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1984;(2–4):21–8 (Eng. Abstr.) (Fre)

PATHOLOGY

The histopathology of experimental trachoma: ultrastructural changes in the conjunctival epithelium. Patton DL, et al. **J Infect Dis** 1986 May;153(5):870–8

Prevalence of trachoma clinical signs in right and left eyes of Ethiopian patients. Cerulli L, et al. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1984;(2–4):113–25 (Eng, Fre)

PHYSIOPATHOLOGY

Study of tear film flow and break up time (BUT) in trachoma. Moudgil SS, et al. **Acta Ophthalmol (Copenh)** 1986 Jun; 64(3):295–7

[Site of onset of trachoma: the superior conjunctival cul-de-sac. Physiopathologic and clinical deductions] Vérin P, et al. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1984;(2–4):41–4 (Eng. Abstr.) (Fre)

PREVENTION & CONTROL

Community-based action for the control of trachoma. Hollows FC. **Rev Infect Dis** 1985 Nov-Dec;7(6):777–82

Development of trachoma control programs and the involvement of national resources. Thylefors B. **Rev Infect Dis** 1985 Nov-Dec;7(6):774–6

Methodologic approaches to trachoma control activities. Cerulli L, et al. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1984;(2–4):67–111 (Eng, Fre)

THERAPY

Strategies for treatment and control of blinding trachoma: cost-effectiveness of topical or systemic antibiotics. Dawson CR, et al. **Rev Infect Dis** 1985 Nov-Dec; 7(6):768–73

TRACHOMA VIRUS see CHLAMYDIA TRACHOMATIS

TRACK AND FIELD

Chronic repetitive unrecognized flexion injury of the cervical spine (high jumper's neck). Paley D, et al. **Am J Sports Med** 1986 Jan-Feb;14(1):92–5

The biomechanics of the long jump. Hay JG. **Exerc Sport Sci Rev** 1986;14:401–46 (142 ref.)

Iron status of adolescent female athletes. Brown RT, et al. **J Adolesc Health Care** 1985 Sep;6(5):349–52

The influence on long jump performance of the aerodynamic drag experienced during the approach and aerial phases. Ward-Smith AJ. **J Biomech Eng** 1985 Nov;107(4):336–40

A biomechanical analysis of racewalking gait. Cairns MA, et al. **Med Sci Sports Exerc** 1986 Aug;18(4):446–53

Maintenance of body orientation in the flight phase of long jumping. Herzog W. **Med Sci Sports Exerc** 1986 Apr; 18(2):231–41

Coordination of segments in the vertical jump. Hudson JL. **Med Sci Sports Exerc** 1986 Apr;18(2):242–51

[Structuro-functional characteristics of the left ventricle of the heart in young athletes according to echocardiographic findings] Il'nitskil VI. **Fiziol Cheloveka** 1985 Nov-Dec; 11(6):927–33 (Rus)

TRACTION

The treatment of fractures of the tibial plateau by skeletal traction and early mobilisation. Marwah V, et al. **Int Orthop** 1985;9(4):217–21

Supracondylar fractures of the humerus in children. Treatment by straight lateral traction. Piggot J, et al. **J Bone Joint Surg [Br]** 1986 Aug;68(4):577–83

[A case of a fracture of the occipital condyle] Spirig P. **Z Unfallchir Versicherungsmed Berufskr** 1985;78(2):119–22 (Ger)

ADVERSE EFFECTS

Brain abscess after skull traction—a case report. Chiang MF, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 May;84(5):616–9

[Spondylitis after therapeutic and diagnostic procedures on lumbar intervertebral disks] Blagodatskil MD. **Vestn Khir** 1986 Mar;136(3):129–32 (Rus)

[Anatomical and functional changes in blood vessels of the nerve after its injury by traction mechanism] Popovich MI. **Vestn Khir** 1985 Nov;135(11):91–4 (Rus)

INSTRUMENTATION

Traction device to improve CT imaging of lower cervical spine. Boger DC. **AJNR** 1986 Jul-Aug;7(4):719–21

A consecutive series of 64 halo-vest-treated cervical spine injuries. Ersmark H, et al. **Arch Orthop Trauma Surg** 1986; 105(4):243–6

Shoulder harness traction for roentgenographic assessment of the cervical spine. Norris CS, et al. **Arch Surg** 1986 Apr; 121(4):452–5

Surgical scrub sponges as part of the traction apparatus: an alternative to pin site care to reduce pin track infections. Paley D, et al. **Injury** 1985 Nov;16(9):605–6

Wagner apparatus: a portable traction device for the femur. Hughes JL. **Instr Course Lect** 1984;33:158–67

The effect of a device for transverse traction on vertebral rotation in surgery for scoliosis as studied by X-ray stereophotogrammetry. Saraste H, et al. **Int Orthop** 1986; 10(2):131–3

A bow for application of traction to the spine. Technical note. Wang GJ, et al. **J Bone Joint Surg [Am]** 1986 Feb; 68(2):306–7

Hinged cast and roller traction for fractured femur. A system of treatment for the Third World. Gates DJ, et al. **J Bone Joint Surg [Br]** 1985 Nov;67(5):750–6

Goodley polyaxial cervical traction. A new approach to a traditional treatment. Walker GL. **Phys Ther** 1986 Aug; 66(8):1255–9

Treatment table adaptation for patient stabilization while performing cervical manipulation. Suggestion from the field. Woodman R, et al. **Phys Ther** 1986 Jan;66(1):64–5

[Iatrogenic complications of extension treatment of injuries of the cervical vertebrae using Crutchfield tongs] Püschel K, et al. **Unfallchirurg** 1986 Jan;89(1):42–6 (Eng. Abstr.) (Ger)

[Devices for correcting flexion contractures of the fingers] Evdokimov VM. **Khirurgiia (Mosk)** 1985 Nov;(11):142–4 (Rus)

[A device for foot holding during skeletal traction] Akhmedzianov RB, et al. **Ortop Travmatol Protez** 1986 May;(5):42 (Rus)

[Treatment of inveterate fractures of the fingers using distraction-compression apparatus] Andruson MV, et al. **Ortop Travmatol Protez** 1986 May;(5):14–7 (Eng. Abstr.) (Rus)

[Treatment of compression fractures of the distal epimetaphysis of the radius using the Volkov-Oganesian apparatus] Isalkin AA. **Ortop Travmatol Protez** 1986 May; (5):33–5 (Rus)

[A device for the treatment of shoulder dislocations] Gorin AI, et al. **Vestn Khir** 1985 Nov;135(11):139 (Rus)

METHODS

Autotraction in lumbar disc herniation. A myelographic study before and after treatment. Gillström P, et al. **Arch Orthop Trauma Surg** 1985;104(4):207–10

Computed tomography examination of the influence of autotraction on herniation of the lumbar disc. Gillström P, et al. **Arch Orthop Trauma Surg** 1985;104(5):289–93

Long-term results of autotraction in the treatment of lumbago and sciatica. An attempt to correlate clinical results with objective parameters. Gillström P, et al. **Arch Orthop Trauma Surg** 1985;104(5):294–8

Dynamic splinting: a systematic approach to the selection of elastic traction. Mildenberger LA, et al. **Arch Phys Med Rehabil** 1986 Apr;67(4):241–4

External compression with elastic bandages: its effect on the peripheral blood circulation during skin traction. Yamaguchi K, et al. **Arch Phys Med Rehabil** 1986 May; 67(5):326–31

A controlled trial of continuous lumbar traction in the treatment of back pain and sciatica. Pal B, et al. **Br J Rheumatol** 1986 May;25(2):181–3

Epiphyseal traction to correct acquired growth deformities. An animal and clinical investigation. Connolly JF, et al. **Clin Orthop** 1986 Jan;(202):258–68

New, conservative, and exceptionally effective treatment for low back pain. Cottrell GW. **Compr Ther** 1985 Nov; 11(11):59–65

Remodeling after femoral shaft fractures in children treated by the modified blount method. Malkawi H, et al. **J Pediatr Orthop** 1986 Jul-Aug;6(4):421–9

Explosion dorsiflexion fracture-dislocation of the ankle—an indication for closed functional traction treatment. Connolly JF, et al. **Nebr Med J** 1985 Oct;70(10):374–7

Spinal traction technique and measuring respiration [letter] **Phys Ther** 1986 Mar;66(3):426–8

Blood pressure response to inversion traction. Haskvitz EM, et al. **Phys Ther** 1986 Sep;66(9):1361–4

Cervical spine disorders. A comparison of three types of traction. Zylbergold RS, et al. **Spine** 1985 Dec; 10(10):867–71

[Treatment of unstable fractures of the tibia and fibula by fixational traction with double pins and small wood splints—analysis of 60 cases] Jiang MX. **Chung Hsi I Chieh Ho Tsa Chih** 1985 Jul;5(7):413–5, 388 (Eng. Abstr.) (Chi)

[Electrode extraction by continuous traction in pacemaker patients with septic complications] Thiele G, et al. **Z Arztl Fortbild (Jena)** 1986;80(1):23–5 (Ger)

[Supracondylar fractures of the humerus in children. Bloodless treatment. Review after more than 5 years] Della Torre P, et al. **Arch Putti Chir Organi Mov** 1984;34:217–24 (Eng. Abstr.) (Ita)

[Halo femoral traction in treating scoliosis] Kalmakchiev G, et al. **Ortop Travmatol Protez** 1985 Dec;(12):45–6 (Rus)

[Use of halo traction for treating patients with pronounced, rigid kyphoscoliotic deformities of the spine] Stokov L. **Ortop Travmatol Protez** 1985 Dec;(12):45 (Rus)

TRADE UNIONS see LABOR UNIONS

TRADITIONAL BIRTH ATTENDANT see MIDWIFERY

TRADITIONAL MEDICINE, ORIENTAL see MEDICINE, ORIENTAL TRADITIONAL

TRAGACANTH see under POLYSACCHARIDES

TRAIL MAKING TEST see under NEUROPSYCHOLOGICAL TESTS

TRAINING SUPPORT

The Pew Foundation grants and the deregulation of the dental curriculum [editorial] Di Paolo RJ. **Am J Orthod Dentofacial Orthop** 1986 Sep;90(3):262–3

A review of ten years' experience with surgical equipment in international health programs. Castadot RG, et al. **Int J Gynaecol Obstet** 1986 Feb;24(1):53–60

"Senior survey update: student debt increases while practice plans stabilize" [letter] Potts TV. **J Dent Educ** 1986 May; 50(5):255

Update 1986 senior survey: dental seniors' debt appears to be leveling off. Solomon ES, et al. **J Dent Educ** 1986 Sep; 50(9):553–3

Financial assistance for medical students, 1984–85. Baime D. **J Med Educ** 1986 Aug;61(8):695–7

Residency and career plans and indebtedness of 1985 medical school graduates. Dial TH. **J Med Educ** 1986 May; 61(5):424–7

The M.D. class of '86: smaller, deeper in debt [news] Walsh J. **Science** 1986 Oct 3;234(4772):21

Career development of residents in university and independent training programs: the influence of special training fellowships, type of practice, specialization, and research. Greco RS, et al. **Surgery** 1986 Aug;100(2):312–20

ECONOMICS

Financing graduate medical education. Cathcart HR. **Curr Surg** 1986 Jul-Aug;43(4):278–81

What do residents do for an academic health center? A personal view. Flint LM. **Curr Surg** 1986 Jul-Aug; 43(4):275–8

Funding of graduate medical education: perspective of a surgical educator. Moody FG. **Curr Surg** 1986 Jul-Aug; 43(4):271–4

Financing medical education: borrowing versus saluting. Guarnieri K, et al. **J La State Med Soc** 1986 Jul;138(7):27, 29–31

Race and socioeconomic status in medical school choice and indebtedness. Bazzoli GJ, et al. **J Med Educ** 1986 Apr; 61(4):285–92

Educating medical academicians: a follow-up of the Vanderbilt Orthopaedic Training Grant. Robertson WW Jr. **South Med J** 1986 Jun;79(6):662–4

Irish subsidy for students [letter] **Vet Rec** 1986 Aug 2; 119(5):119–20

LEGISLATION & JURISPRUDENCE

The impact of the Nurse Training Act on the supply of nurses, 1974–1983. Eastaugh SR. **Inquiry** 1985 Winter; 22(4):404–17

Federal support of health manpower education. Iglehart JK. **N Engl J Med** 1986 Jan 30;314(5):324–8

STANDARDS

AFCR position statement on federal support for extramural research and for research training. **Clin Res** 1986 Apr; 34(2):180–7

TRENDS

HMOs and medical education: fashioning a marriage. Moore GT. **Health Aff (Millwood)** 1986 Spring;5(1):147–53

Revitalization of training grants [editorial] Hinman F Jr. **J Urol** 1986 Jun;135(6):1231

Training grants for the urological scientist (report of joint meeting of National Institutes of Health staff and concerned program directors). Hinman F Jr, et al. **J Urol** 1986 Jun; 135(6):1125–6

TRAMADOL see under **CYCLOHEXANOLS**

TRANEXAMIC ACID see under **CYCLOHEXANECARBOXYLIC ACIDS**

TRANQUILIZING AGENTS

see related

HYPNOTICS AND SEDATIVES

Changes in popular attitudes and beliefs about tranquilizers. 1970–1979. Clinthorne JK, et al. **Arch Gen Psychiatry** 1986 Jun;43(6):527–32

Is there a trend away from tranquillizing women? Bass MJ, et al. **Can J Public Health** 1986 Mar–Apr;77(2):119–22

Volkmann's ischaemic contracture due to limb compression in drug-induced coma. Christensen KS, et al. **Injury** 1985 Sep;16(8):543–4

[Synthesis and pharmacological studies of derivatives of 5- and 7-(O-hydroxyphenyl)-2,3-dihydro-1,4-diazepins] Kostka K, et al. **Acta Pol Pharm** 1985;42(5):442–7 (Eng. Abstr.) **(Pol)**

[Comparative characteristics of the hemodynamic effects of single-lung artificial ventilation under staralgesia and intravenous combined ketamine anesthesia] Buniatian AA, et al. **Vestn Akad Med Nauk SSSR** 1986;(6):15–23 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

[EEG changes in the withdrawal phase of tranquilizer or drug abuse] Logar C, et al. **EEG EMG** 1986 Mar; 17(1):37–40 (Eng. Abstr.) **(Ger)**

ANALYSIS

Influence of tranquilisers on ionic permeability of bimolecular lipid membranes. Rajaji D, et al. **Indian J Biochem Biophys** 1984 Dec;21(6):369–72

METABOLISM

Tranquilizers, analgetics and antidepressants in patients treated with hemodialysis. Forycki Z, et al. **Blood Purif** 1985;3(1–3):109–19

PHARMACODYNAMICS

[Mechanism of the tranquilizing action of electron structural analogs of nicotinamide] Akhundov RA, et al. **Biull Eksp Biol Med** 1986 Mar;101(3):329–31 (Eng. Abstr.) **(Rus)**

[Differences and similarity in the interaction of fenibut, baclofen and diazepam with phenylethylamine] Lapin IP. **Farmakol Toksikol** 1985 Jul–Aug;48(4):50–4 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Tranquilizers and sedative/hypnotics: appropriate use in the elderly. Allen RM. **Geriatrics** 1986 May;41(5):75–8, 81–3, 87–8

A comparative trial of depot pipothiazine. Steinert J, et al. **J Int Med Res** 1986;14(2):72–7

A crossover study of clocapramine and haloperidol in chronic schizophrenia. Yamagami S. **J Int Med Res** 1985; 13(6):301–10

Flupenthixol decanoate (fluanxol depot) in the treatment of chronic schizophrenic patients. Haider I. **JPMA** 1985 Sep; 35(9):286–9

Rural tranquility?: urban–rural differences in tranquilliser prescribing. Gabe J, et al. **Soc Sci Med** 1986;22(10):1059–66

[Results of the experimental study and clinical use of the tranquilizer mebikar] Kamburg RA, et al. **Farmakol Toksikol** 1986 Mar–Apr;49(2):89–91 (26 ref.) **(Rus)**

[Anticonvulsive activity of anticonvulsants and tranquilizers when used together] Zalesov VS, et al. **Farmakol Toksikol** 1985 Jul–Aug;48(4):25–8 (Eng. Abstr.) **(Rus)**

[Effect of fenibut on the nocturnal sleep of patients with the alcoholic abstinence syndrome] Danilin VP, et al. **Zh Nevropatol Psikhiatr** 1986;86(2):251–4 (Eng. Abstr.) **(Rus)**

TOXICITY

Bacterial mutagenicity of the tranquilizing constituents of Valerianaceae roots. von der Hude W, et al. **Mutat Res** 1986 Jan–Feb;169(1–2):23–7

TRANQUILIZING AGENTS, MAJOR

"Antipsychotic" or "neuroleptic" [letter]urton HB. **J Clin Psychiatry** 1986 Jul;47(7):392

Antipsychotic or neuroleptic? [letter] Dove MJ. **J Clin Psychiatry** 1985 Oct;46(10):454–5

Gamma-type endorphins: neurolepticum-like and antipsychotic action. Van Ree JM, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1985; 9(5–6):561–7

Benzo-pyrones in the treatment of chronic schizophrenic diseases. Casley-Smith JR, et al. **Psychiatry Res** 1986 Jul; 18(3):267–73

[Neuroleptic properties of Y-516, a new iminodibenzyl derivative] Fukuda T, et al. **Nippon Yakurigaku Zasshi** 1985 Sep;86(3):197–208 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

The role of loading rate in neuroleptic malignant syndrome [letter] Shalev A, et al. **Am J Psychiatry** 1986 Aug; 143(8):1059

Neuroleptic dosage for Asians: a failure to replicate. Sramek JJ, et al. **Am J Psychiatry** 1986 Apr;143(4):535–6

Use of antipsychotic medication in the elderly. Maletta GJ. **Ann Rev Gerontol Geriatr** 1984;4:175–220 (175 ref.)

Restraining the elderly patient. Robbins LJ. **Clin Geriatr Med** 1986 Aug;2(3):591–9

The neuroleptic threshold as a marker of minimum effective neuroleptic dose. McEvoy JP. **Compr Psychiatry** 1986 Jul–Aug;27(4):327–35

Low dose therapy: the future of neuroleptic psychopharmacology. A symposium held during the annual meeting of the American Psychiatric Association. May 1986, Washington, D.C. **J Clin Psychiatry** 1986 May;47 Suppl:1–36

Rapid tranquilization: the efficacy of oral concentrate. Dubin WR, et al. **J Clin Psychiatry** 1985 Nov;46(11):475–8

Depot neuroleptics: a comparative review of standard, intermediate, and low-dose regimens. Kane JM, et al. **J Clin Psychiatry** 1986 May;47 Suppl:30–3 (18 ref.)

The future of neuroleptic psychopharmacology. Ortiz A, et al. **J Clin Psychiatry** 1986 May;47 Suppl:3–11 (122 ref.)

Low-dose treatment strategies. Van Putten T, et al. **J Clin Psychiatry** 1986 May;47 Suppl:12–6 (21 ref.)

Neuroleptics and reserpine in refractory psychoses. Berlant JL. **J Clin Psychopharmacol** 1986 Jun;6(3):180–4

Use of intravenous medication dosage [letter] Fernandez F, et al. **J Clin Psychopharmacol** 1986 Apr;6(2):127–8

Dosage strategies with long-acting injectable neuroleptics, including haloperidol decanoate. Kane JM. **J Clin Psychopharmacol** 1986 Feb;6(1 Suppl):20S–23S

The prescription of discretionary antipsychotic medication by state mental hospital psychiatrists. Benson PR. **J Health Soc Behav** 1986 Mar;27(1):28–43

Comparative chronic effects of buspirone or neuroleptics on rat brain dopaminergic neurotransmission. McMillen BA. **J Neural Transm** 1985;64(1):1–12

Oral liquid neuroleptics: administer with care. Kerr LE. **J Psychosoc Nurs Ment Health Serv** 1986 Mar;24(3):33–5

CSF dopamine turnover and positive schizophrenic symptoms after withdrawal of long-term neuroleptic treatment. Frecska E, et al. **Psychiatry Res** 1985 Nov; 16(3):221–6

Neuroleptic withdrawal in chronic schizophrenia: CT and endocrine variables relating to psychopathology. Naber D, et al. **Psychiatry Res** 1985 Nov;16(3):207–19

First person account: a parent's view on enforcing medication. Slater E. **Schizophr Bull** 1986;12(2):291–2

[Valpromide (Depamide) in the treatment of acute psychotic states. Open clinical study] Altamura AC, et al. **Acta Psychiatr Belg** 1986 May–Jun;86(3):297–304 (Eng. Abstr.) **(Fre)**

[Rapid and megadose neuroleptic therapy. Critical review] de Girolamo G. **Minerva Psichiatr** 1985 Oct–Dec; 26(4):323–6 (29 ref.) (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Lithium–neuroleptics combination and irreversible brain damage [letter] Baptista T. **Acta Psychiatr Scand** 1986 Jan; 73(1):111

Long-term neuroleptic therapy in chronic anorexia nervosa complicated by tardive dyskinesia. A case report. Condon JT. **Acta Psychiatr Scand** 1986 Feb;73(2):203–6

Changes in mental condition, hyperkinesias and biochemical parameters after withdrawal of chronic neuroleptic treatment. Perényi A, et al. **Acta Psychiatr Scand** 1985 Nov; 72(5):430–5

The neuroleptic malignant syndrome: agent and host interaction. Shalev A, et al. **Acta Psychiatr Scand** 1986 Apr; 73(4):337–47 (95 ref.)

Valproate as psychotropic agent. Interactions and adverse cerebral reactions. van Sweden B, et al. **Acta Psychiatr Scand** 1985 Sep;72(3):315–7

Respiratory irregularity and tardive dyskinesia. A prevalence study. Yassa R, et al. **Acta Psychiatr Scand** 1986 May; 73(5):506–10

Prevalence of tardive dystonia. Yassa R, et al. **Acta Psychiatr Scand** 1986 Jun;73(6):629–33

Tardive dyskinesia in the elderly. Ramsay FM, et al. **Age Ageing** 1986 May;15(3):145–50

More on Tourette syndrome and school phobia [letter] **Am J Psychiatry** 1986 Feb;143(2):265–6

Safety of the combination of lithium and neuroleptic drugs. Goldney RD, et al. **Am J Psychiatry** 1986 Jul;143(7):882–4

Neuroleptic-induced tics in two hyperactive children. Gualtieri CT, et al. **Am J Psychiatry** 1986 Sep; 143(9):1176–7

An unusual cluster of tardive dyskinesia in schizophrenia: association with cognitive dysfunction and negative symptoms. Waddington JL, et al. **Am J Psychiatry** 1986 Sep;143(9):1162–5

Prevention of acute dystonic reactions in patients beginning high-potency neuroleptics. Winslow RS, et al. **Am J Psychiatry** 1986 Jun;143(6):706–10

Practical approaches to reducing tardive dyskinesia [letter] Wolf ME. **Am J Psychiatry** 1985 Dec;142(12):1524

Prevalence of the rabbit syndrome. Yassa R, et al. **Am J Psychiatry** 1986 May;143(5):656–7

Tardive dyskinesia in young mentally retarded individuals. Gualtieri CT, et al. **Arch Gen Psychiatry** 1986 Apr; 43(4):335–40

Tardive dyskinesia and current dose of neuroleptic drugs [letter] Kolakowska T, et al. **Arch Gen Psychiatry** 1986 Jun;43(6):614

Neuroleptic-induced extrapyramidal symptoms with fever. Heterogeneity of the 'neuroleptic malignant syndrome'. Levinson DF, et al. **Arch Gen Psychiatry** 1986 Sep; 43(9):839–48

Persistent tardive dyskinesia in bipolar patients. Mukherjee S, et al. **Arch Gen Psychiatry** 1986 Apr;43(4):342–6

Duration of treatment relationships for involuntary movements (tardive dyskinesia): concordance between cross-sectional, clinical, and longitudinal animal studies? [letter] Waddington JL, et al. **Arch Gen Psychiatry** 1986 Feb;43(2):191–2

Tardive dyskinesia: relation to computer-tomographic, endocrine, and psychopathological variables. Albus M, et al. **Biol Psychiatry** 1985 Oct;20(10):1082–9

Possible associations among plasma prolactin levels, tardive dyskinesia, and paranoia in treated male schizophrenics. Csernansky JG, et al. **Biol Psychiatry** 1986 Jun;21(7):632–42

Meclofenoxate therapy in tardive dyskinesia: a preliminary report. Izumi K, et al. **Biol Psychiatry** 1986 Feb; 21(2):151–60

Tardive dyskinesia in schizophrenics under 60 years of age. Kolakowska T, et al. **Biol Psychiatry** 1986 Feb;21(2):161–9

Iron and akathisia [letter] Blake DR, et al. **Br Med J [Clin Res]** 1986 May 24;292(6532):1393

Problems of long-term informed consent. Jaffe R. **Bull Am Acad Psychiatry Law** 1986;14(2):163–9

Psychoses that mask each other: a case report. Cruz FG. **Bull Menninger Clin** 1986 Jul;50(4):385–9

Neuroleptic-induced skin pigmentation in chronic hospitalized schizophrenic patients. Ban TA, et al. **Can J Psychiatry** 1985 Oct;30(6):406–8

An electroencephalographic study of psychiatric inpatients with antipsychotic-induced tardive dyskinesia. Koshino Y, et al. **Clin Electroencephalogr** 1986 Jan;17(1):30–5

Sexual dysfunction with antihypertensive and antipsychotic agents. Smith PJ, et al. **Clin Pharm** 1986 May;5(5):373–84 (114 ref.)

Clinical management of acute neuroleptic-induced extrapyramidal syndromes. Keepers GA, et al. **Curr Psychiatr Ther** 1986;23:139–57 (97 ref.)

Clinical implications of the neuroleptic–opioid interaction [letter] Grothe DR, et al. **Drug Intell Clin Pharm** 1986 Jan; 20(1):75–7

A study of the importance of the dosage for the arousal of neuroleptic acute dystonias. Yonchev V, et al. **Folia Med (Plovdiv)** 1984;26(2):29–32

The functional condition of the extrapyramidal system and neuroleptic acute dystonias. Yonchev V, et al. **Folia Med (Plovdiv)** 1984;26(2):25–8

Clinical and biochemical effects of calcium-hopantenate on neuroleptics-induced tardive dyskinesia. Kashihara K, et al. **Folia Psychiatr Neurol Jpn** 1985;39(2):147–53

Heatstroke in a chronic schizophrenic patient treated with high-potency neuroleptics. Lazarus A. **Gen Hosp Psychiatry** 1985 Oct;7(4):361–3

An update on tardive dyskinesia. Simpson GM, et al. **Hosp Community Psychiatry** 1986 Apr;37(4):362–9

Rigidity and fever in two psychotic patients. Greenberg MS, et al. **Hosp Pract [Off]** 1986 Jul 15;21(7):171, 174

Consent and liability with neuroleptics: the problem of tardive dyskinesia. Mills MJ, et al. **Int J Law Psychiatry** 1986;8(2):243–52

Late onset involuntary movements in chronic schizophrenia: age-related vulnerability to "tardive" dyskinesia independent of extent of neuroleptic medication [letter] Reddi K. **Ir Med J** 1985 Sep;78(9):270

Tardive dyskinesia, impaired recall, and informed consent. Ganguli R, et al. **J Clin Psychiatry** 1985 Oct;46(10):434–5

Evaluation of the need for prophylactic antiparkinsonian medication in psychotic patients treated with neuroleptics. Manos N, et al. **J Clin Psychiatry** 1986 Mar;47(3):114–6

Relationship between dystonia and serum calcium levels. Pratty JS, et al. **J Clin Psychiatry** 1986 Aug;47(8):418–9

Use or abuse of antiparkinsonian drugs by psychiatric

patients. Saran AS. **J Clin Psychiatry** 1986 Mar;47(3):130–2

Anticholinergic agents for prophylaxis of neuroleptic-induced dystonic reactions: a prospective study. Sramek JJ, et al. **J Clin Psychiatry** 1986 Jun; 47(6):305–9

The use of clonidine in the treatment of neuroleptic-induced tardive dyskinesia. Browne J, et al. **J Clin Psychopharmacol** 1986 Apr;6(2):88–92

Depot neuroleptics: side effects and safety. Marder SR. **J Clin Psychopharmacol** 1986 Feb;6(1 Suppl):24S–29S (36 ref.)

Lithium–neuroleptic neurotoxicity in the elderly bipolar patient. Miller F, et al. **J Clin Psychopharmacol** 1986 Jun; 6(3):176–8

A case of suicidal and homicidal ideation and akathisia in a double-blind neuroleptic crossover study [letter] Shaw ED, et al. **J Clin Psychopharmacol** 1986 Jun;6(3):196–7

Tardive dyskinesia: barriers to the professional recognition of an iatrogenic disease. Brown P, et al. **J Health Soc Behav** 1986 Jun;27(2):116–32 (65 ref.)

Neuroleptics and epilepsy in mentally handicapped patients. James DH. **J Ment Defic Res** 1986 Jun;30 (Pt 2):185–9

The clinical phenomenon of akathisia. Gibb WR, et al. **J Neurol Neurosurg Psychiatry** 1986 Aug;49(8):861–6

Hypokinetic–rigid extrapyramidal side effects of neuroleptics: the relationship of the silent period in EMG and HVA and 5-HIAA in CSF. Yazici O, et al. **J Neurol Neurosurg Psychiatry** 1986 Apr;49(4):448–50

Neuroleptic malignant syndrome. Keltner NL, et al. **J Neurosurg Nurs** 1985 Dec;17(6):362–6

Drug-induced akathisia: a review. Ball R. **J R Soc Med** 1985 Sep;78(9):748–52 (29 ref.)

Legal aspects of neuroleptic-induced movement disorders. Wettstein RM. **Leg Med** 1985;:117–79

Tardive dyskinesia in the general practice of medicine. Lewis H, et al. **Md Med J** 1986 Apr;35(4):253

Tardive dyskinesia: a role for the endogenous opioid system. Sandyk R. **Med Hypotheses** 1986 Jan;19(1):71–4

Tardive dyskinesia: a concern for the pediatrician. Singer HS. **Pediatrics** 1986 Apr;77(4):553–6

An international survey of tardive dyskinesia. Guy W, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1985; 9(4):401–5

Neuroleptic–associated tardive syndromes. Jeste DV, et al. **Psychiatr Clin North Am** 1986 Mar;9(1):183–92 (34 ref.)

Cognitive impairment in tardive dyskinesia. Wegner JT, et al. **Psychiatry Res** 1985 Dec;16(4):331–7

Neuroleptic–induced tardive dyskinesia and parkinsonism: changes during several years of continuing treatment. Casey DE, et al. **Psychopharmacol Bull** 1986;22(1):250–3

A five year follow-up study of tardive dyskinesia. Chouinard G, et al. **Psychopharmacol Bull** 1986;22(1):259–63

Effects of mianserin in neuroleptic–induced parkinsonism. Korsgaard S, et al. **Psychopharmacology (Berlin)** 1986; 88(1):109–11

Acute dystonia induced by neuroleptic drugs. Rupniak NM, et al. **Psychopharmacology (Berlin)** 1986;88(4):403–19 (92 ref.)

Chronic pain, neuroleptics, and tardive dyskinesia. Earle J Jr, et al. **Psychosomatics** 1986 Apr;27(4):291–3

Minimization and overreaction to tardive dyskinesia. Munetz MR, et al. **Schizophr Bull** 1986;12(2):168–72

Anosognosia in tardive dyskinesia: "tardive dysmentia" or "tardive dementia"?Myslobodsky MS. **Schizophr Bull** 1986; 12(1):1–6

[Never treated schizophrenic patients have no abnormal movements such as tardive dyskinesia] Chorfi M, et al. **Encephale** 1985 Nov–Dec;11(6):263–5 (Eng. Abstr.) (Fre)

[Necrotizing colitis caused by neuroleptics (letter)] Fenyrou B, et al. **Gastroenterol Clin Biol** 1985 Aug–Sep;9(8–9):635–6 (Fre)

[Persistent neurological syndrome after treatment with lithium salts. Toxicity of the lithium–neuroleptic combination?] Habib M, et al. **Rev Neurol (Paris)** 1986; 142(1):61–4 (Eng. Abstr.) (Fre)

[Psychopathologic changes in chronic schizophrenic patients following withdrawal of neuroleptics: relation to therapeutic, neuroendocrine and computer tomography variables] Albus M, et al. **Fortschr Neurol Psychiatr** 1986 Jan;54(1):15–20 (Eng. Abstr.) (Ger)

[Differential diagnosis of acute life threatening catatonia and malignant neuroleptic syndrome—a case report] Hermle L, et al. **Fortschr Neurol Psychiatr** 1986 Jun;54(6):189–95 (Eng. Abstr.) (Ger)

[Severe hypernatremia within the scope of catatonic schizophrenia] Trabert W, et al. **Fortschr Neurol Psychiatr** 1986 Jun;54(6):196–8 (Eng. Abstr.) (Ger)

[Eye symptoms in dystonic–hyperkinetic syndrome] Gallasch G. **Fortschr Ophthalmol** 1986;83(3):310–1 (Eng. Abstr.) (Ger)

[Prevalence of tardive dyskinesia in long–term hospitalized schizophrenic patients] Rittmannsberger H, et al. **Nervenarzt** 1986 Feb;57(2):116–8 (Ger)

[Use of metoclopramide hydrochloride in patients with residual schizophrenia with tardive dyskinesias] Kiehl U, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1985 Dec; 37(12):722–6 (Eng. Abstr.) (Ger)

[Cerebral seizures in neuroleptic therapy] Bartels M, et al. **Psychiatr Prax** 1985 Nov;12(6):189–93 (Eng. Abstr.) (Ger)

[A new rating for the detection of dyskinesias. Clinical and metric problems] Hobi V, et al. **Schweiz Arch Neurol Psychiatr** 1986;137(2):79–91 (Eng. Abstr.) (Ger)

[Dyskinesias in a clinical population. Results of a comparative follow-up] Kocher R, et al. **Schweiz Arch Neurol Psychiatr** 1986;137(2):63–78 (Eng. Abstr.) (Ger)

[Beta blockade with celiprolol in tardive dyskinesia patients treated with neuroleptics] Hebenstreit GF, et al. **Wien Klin Wochenschr** 1986 Jun 13;98(12):388–92 (Eng. Abstr.) (Ger)

[Malignant hyperthermia caused by neuroleptics] Esoolano Villén F, et al. **Rev Esp Anestesiol Reanim** 1985 Jul–Aug; 32(4):189–91 (Eng. Abstr.) (Spa)

ANALYSIS

Determination of piquindone in canine plasma and urine by high–performance liquid chromatography. Brooks MA, et al. **J Chromatogr** 1986 Mar 7;375(2):349–57

Quantification of R-(+)-7-chloro-8-hydroxy-1-phenyl-2,3,4,5-tetrahydro-1H-3-methyl-3- benzazepine in brain and blood by use of reversed-phase high-performance liquid chromatography with electrochemical detection. Kilts CD, et al. **J Chromatogr** 1985 Aug 9;342(2):452–7

The strategy and value of neuroleptic drug monitoring. Curry SH. **J Clin Psychopharmacol** 1985 Oct;5(5):263–71 (56 ref.)

BLOOD

Benefits of correlating neuroleptic blood level and auditory distractibility [letter] Terkelsen KG. **Am J Psychiatry** 1985 Dec;142(12):1523–4

Radio receptor assay of serum neuroleptic levels in psychiatric patients. Krska J, et al. **Br J Psychiatry** 1986 Feb;148:187–93

Neuroleptic blood levels and clinical response. Rockland LH. **Can J Psychiatry** 1986 May;31(4):299–303

Plasma level monitoring of antipsychotic drugs. Clinical utility. Dahl SG. **Clin Pharmacokinet** 1986 Jan–Feb; 11(1):36–61 (150 ref.)

Serum neuroleptic levels and extrapyramidal side effects in patients treated with amoxapine. Gaffney GR, et al. **J Clin Psychiatry** 1985 Oct;46(10):428–9

Neuroleptic drug monitoring and radioreceptor assays [editorial] Cooper TB. **J Clin Psychopharmacol** 1985 Oct; 5(5):A15–6

On the clinical relevance and methods of quantification of plasma concentrations of neuroleptics. Ko GN, et al. **J Clin Psychopharmacol** 1985 Oct;5(5):253–62 (49 ref.)

Comparative pharmacokinetics of a new benzamide neuroleptic drug in rats, dogs and monkeys using a stable isotope technique. Higuchi S, et al. **Xenobiotica** 1986 Jan; 16(1):79–86

[Determination of plasma concentrations in the drug treatment of psychoses] Knudsen P, et al. **Ugeskr Laeger** 1986 Mar 31;148(14):849–52 (Dan)

[Clinical aspects and significance of measuring concentrations of neuroleptics and antidepressants in the blood] Cheshkova E, et al. **Zh Nevropatol Psikhiatr** 1986;86(4):573–6 (Eng. Abstr.) (Rus)

CHEMICAL SYNTHESIS

Synthesis and biological evaluation of 1-(1,2-benzisothiazol-3-yl)- and (1,2-benzisoxazol-3-yl)piperazine derivatives as potential antipsychotic agents. Yevich JP, et al. **J Med Chem** 1986 Mar;29(3):359–69

CLASSIFICATION

Classification of neuroleptics: implications for tardive dyskinesia. Christensen AV. **Pol J Pharmacol Pharm** 1985 May–Jun;37(3):295–309

DIAGNOSTIC USE

[3H]SCH 23390 labeled D1 dopamine receptors are unchanged in schizophrenia and Parkinson's disease. Pimoule C, et al. **Eur J Pharmacol** 1985 Aug 15; 114(2):235–7

METABOLISM

Zetidoline metabolism by rat liver microsomes. Formation of metabolites with potential neuroleptic activity. Assandri A, et al. **Biochem Pharmacol** 1986 May 1;35(9):1459–67

Typical and atypical antipsychotic occupancy of D2 and S2 receptors: an autoradiographic analysis in rat brain. Altar CA, et al. **Brain Res Bull** 1986 Apr;16(4):517–25

Clinical pharmacokinetics of the depot antipsychotics. Jann MW, et al. **Clin Pharmacokinet** 1985 Jul–Aug;10(4):315–33 (60 ref.)

Some atypical neuroleptics inhibit [3H]SCH 23390 binding in vivo. Andersen PH, et al. **Eur J Pharmacol** 1986 Jan 14;120(1):143–4

Binding of [3H]SCH 23390 to D–1 receptors in the putamen of control and parkinsonian subjects. Raisman R, et al. **Eur J Pharmacol** 1985 Jul 31;113(3):467–8

Neuroleptic–opioid interaction: relevance to tardive dyskinesia. Sandyk R. **Int J Neurosci** 1986 Aug; 30(1–2):33–6

Binding of [3H]SCH23390 in rat brain: regional distribution and effects of assay conditions and GTP suggest interactions at a D1–like dopamine receptor. Schulz DW, et al. **J Neurochem** 1985 Nov;45(5):1601–11

Specific binding of 3H–SCH 23390 to dopamine D1 receptors in vivo. Andersen PH, et al. **Life Sci** 1986 Apr 21; 38(16):1507–14

Receptor and binding proteins in endogenous psychoses. Matussek N, et al. **Prog Clin Biol Res** 1986;214:357–65 (33 ref.)

[Pharmacokinetic study of isofloxythepin in animals] Poláková L, et al. **Cesk Farm** 1986 Apr;35(3):97–101 (Eng. Abstr.) (Cze)

[Clinical findings on the pharmacokinetics and pharmacodynamics of a new Czechoslovak–manufactured neuroleptic, isofloxythepin] Kazdová E, et al. **Cesk Psychiatr** 1986 Apr;82(2):97–100 (Eng. Abstr.) (Cze)

[Pharmacokinetic aspects of the effects and interactions of various neuro– and psychotropic drugs] Melzacka M. **Postepy Hig Med Dosw** 1985 Nov–Dec;39(6):581–611 (204 ref.) (Eng. Abstr.) (Pol)

PHARMACODYNAMICS

The effect of antipsychotic drugs on driving and driving related psychomotor functions. Judd LL. **Accid Anal Prev** 1985 Aug;17(4):319–22

Effects of remoxipride and some related new substituted salicylamides on rat brain receptors. Hall H, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Jan;58(1):61–70

A cybernetic theory of how psychotropic drugs work [letter] Klein DF. **Am J Psychiatry** 1986 May;143(5):685–6

Performance deficit induced by low doses of dopamine agonists in rats. Toward a model for approaching the neurobiology of negative schizophrenic symptomatology? Carnoy P, et al. **Biol Psychiatry** 1986 Jan;21(1):11–22

Within–session data [letter] Lynch MR, et al. **Biol Psychiatry** 1986 May;21(5–6):573–4

Chronic treatment with five different neuroleptics elicits behavioral supersensitivity to opiate infusion into the nucleus accumbens. Stinus L, et al. **Biol Psychiatry** 1986 Jan;21(1):34–48

Inhibitory effects of neuroleptics on debrisoquine oxidation in man. Syvälahti EK, et al. **Br J Clin Pharmacol** 1986 Jul;22(1):89–92

A comparison of the binding of sigma opioids and phencyclidine, and the interaction with antipsychotic drugs in rat brain membranes. Downes CP, et al. **Br J Pharmacol** 1986 May;88(1):231–7

Differential effects of selective and non–selective neuroleptics on intracellular and extracellular cyclic AMP accumulation in rat striatal slices. Lazareno S, et al. **Brain Res** 1985 Dec 30;361(1–2):91–8

Locus coeruleus norepinephrine–containing neurons: effects produced by acute and subchronic treatment with antipsychotic drugs and amphetamine. Ramirez OA, et al. **Brain Res** 1986 Jan 1;362(1):165–70

Behavioral, autonomic and motor effects of neuroleptic drugs in cats: motor impairment and aggression. Beleslin DB, et al. **Brain Res Bull** 1985 Sep;15(3):353–6

Variation in the ability of neuroleptics to block the inhibitory influence of dopaminergic neurons on the activity of cells in the rat prefrontal cortex. Thierry AM, et al. **Brain Res Bull** 1986 Feb;16(2):155–60

Some atypical neuroleptics inhibit [3H]SCH 23390 binding in vivo. Andersen PH, et al. **Eur J Pharmacol** 1986 Jan 14;120(1):143–4

SCH–23390 antagonism of a D–2 dopamine agonist depends upon catecholaminergic neurons. Breese GR, et al. **Eur J Pharmacol** 1985 Jul 11;113(1):109–14

Guanine nucleotide regulation of agonist interactions at [3H]SCH23390–labeled D1 dopamine receptors in rat striatum. Hess EJ, et al. **Eur J Pharmacol** 1986 Feb 11; 121(1):31–8

Peripheral dopamine receptor blockade by SCH 23390 and domperidone in vitro. Hilditch A, et al. **Eur J Pharmacol** 1985 Oct 8;116(1–2):171–4

Prolonged inhibition of striatal dopamine receptor sites by isofloxythepin. Lau YS, et al. **Eur J Pharmacol** 1985 Oct 8;116(1–2):25–31

Chronic neuroleptic treatment increases D–2 but not D–1 receptors in rat striatum. MacKenzie RG, et al. **Eur J Pharmacol** 1985 Jul 17;113(2):159–65

Catalepsy induced by SCH 23390 in rats. Morelli M, et al. **Eur J Pharmacol** 1985 Nov 5;117(2):179–85

Structural determinants of selective affinity for brain D–1 dopamine receptors within a series of 1-phenyl-1H-3-benzazepine analogues of SK&F 38393 and SCH 23390. O'Boyle KM, et al. **Eur J Pharmacol** 1985 Sep 24;115(2–3):291–5

The effect of different types of cortical lesions on drug–induced catalepsy in rats: a pharmacological analysis. Worms P, et al. **Eur J Pharmacol** 1985 Jul 11;113(1):53–9

Differential effects of some predominantly antiadrenergic and antidopaminergic neuroleptics on the preovulatory surge of FSH, LH and prolactin in rat. Kun I, et al. **Exp Clin Endocrinol** 1985 Jun;85(3):269–75

Neuroleptic drugs and 5HT1 receptor: different potencies of various neuroleptic drugs on 5HT1 receptors in discrete regions of the rat brain. Harada T, et al. **Folia Psychiatr Neurol Jpn** 1985;39(4):551–7

The effect of neuroleptic drugs on serum testosterone level in the male rat. Okonmah AD, et al. **Gen Pharmacol** 1986; 17(2):235–8

(5-Amino-1,3-dimethyl-1H-pyrazol-4-yl)(2-fluorophenyl)methanones . A series of novel potential antipsychotic agents. Wise LD, et al. **J Med Chem** 1986 Sep;29(9):1628–37

Examination of a series of 8-[3-[bis(4-fluorophenyl)amino]propyl]-1-aryl-1,3,8-triazaspiro[4.5]decan-4-ones as potential antipsychotic agents. Wise LD, et al. **J Med Chem** 1985 Dec; 28(12):1811–7

Differential effect of subchronic treatment with various neuroleptic agents on serotonin2 receptors in rat cerebral cortex. Andree TH, et al. **J Neurochem** 1986 Jan; 46(1):191–7

Flumezapine and zotepine: 5-hydroxytryptamine antagonism not involved in the lack of synergism of these antipsychotic drugs with amfonelic acid in rats. Fuller RW, et al. **J Pharm Pharmacol** 1985 Oct;37(10):755–6

Rapid tolerance to neuroleptic-induced stimulation of dopamine release in freely moving rats. Di Chiara G, et al. **J Pharmacol Exp Ther** 1985 Nov;235(2):487–94

A possible mechanism of action of thyrotropin-releasing hormone (TRH) and its analog DN-1417 on the release of dopamine from the nucleus accumbens and striatum in rats. Narumi S, et al. **Jpn J Pharmacol** 1985 Dec; 39(4):425–35

CGS 10746B: an atypical antipsychotic candidate that selectively decreases dopamine release at behaviorally effective doses. Altar CA, et al. **Life Sci** 1986 Aug 25; 39(8):699–705

Do antipsychotic drugs and serotonin down regulate [3H]-spiroperidol binding sites in human cortex? Andorn AC. **Life Sci** 1986 Apr 7;38(14):1251–60

Evidence that the potential antipsychotic agent rimcazole (BW 234U) is a specific, competitive antagonist of sigma sites in brain. Ferris RM, et al. **Life Sci** 1986 Jun 23; 38(25):2329–37

The endogenous opioid system in neurological disorders of the basal ganglia. Sandyk R. **Life Sci** 1985 Nov 4; 37(18):1655–63 (116 ref.)

An overview of the clinical rationale for advancing gender-related psychopharmacology and drug abuse research. Hamilton JA. **Natl Inst Drug Abuse Res Monogr Ser** 1986;65:14–20

The benzazepine SCH 23390 increases plasma levels of cortisol in the conscious dog. Goiny M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Jan; 332(1):111–2

Biochemical and pharmacological effects of fluperlapine on noradrenaline and acetylcholine systems in some rodent, bovine and crustacean preparations. Rüdeberg C, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Apr; 332(4):357–63

Laterality of dopamine function and neuroleptic action in the amygdala in the rat. Bradbury AJ, et al. **Neuropharmacology** 1985 Dec;24(12):1163–70

Spontaneous EEG paroxysms in the rat: effects of psychotropic and alpha-adrenergic agents. Kleinlogel H. **Neuropsychobiology** 1985;13(4):206–13

Involvement of extrapyramidal motor mechanisms in the suppression of locomotor activity by antipsychotic drugs: a comparison between the effects produced by pre- and post-synaptic inhibition of dopaminergic neurotransmission. Ahlenius S, et al. **Pharmacol Biochem Behav** 1986 May;24(5):1409–15

Effects of neuroleptics displaying antidepressant activity on behavior of rats in the forced swimming test. Górka Z, et al. **Pharmacol Biochem Behav** 1985 Aug;23(2):203–6

Neuroleptic-induced catalepsy: a D2 blockade phenomenon? Klemm WR. **Pharmacol Biochem Behav** 1985 Dec; 23(6):911–5

A rapid and simple behavioural screening method for simultaneous assessment of limbic and striatal blocking effects of neuroleptic drugs. Ljungberg T, et al. **Pharmacol Biochem Behav** 1985 Sep;23(3):479–85

Discriminative stimulus properties and schedule effects of fencamfamine in rats. Risner ME, et al. **Pharmacol Biochem Behav** 1985 Sep;23(3):449–56

The effects of some atypical neuroleptics on apomorphine-induced behaviors as a measure of their relative potencies in blocking presynaptic versus postsynaptic dopamine receptors. Robertson A, et al. **Pharmacol Biochem Behav** 1986 Jun;24(6):1639–43

Effects of new neuroleptics, isofloxythepin and zotepine, on post-decapitation convulsions and prolactin secretion in rats. Yamada K, et al. **Pharmacol Biochem Behav** 1986 May; 24(5):1445–9

Zetidoline, a specific dopamine antagonist devoid of antiserotonergic activity in rodent brain. Pugnetti P, et al. **Pharmacol Res Commun** 1985 Dec;17(12):1141–51

Amoxapine—an antidepressant with some neuroleptic properties? A review of its chemistry, animal pharmacology and toxicology, human pharmacology, and clinical efficacy. Lydiard RB, et al. **Pharmacotherapy** 1981 Nov–Dec; 1(3):163–78

Is conformational analysis a key to solve the structure—activity problem of neuroleptics? Misztal S, et al. **Pharmazie** 1986 Apr;41(4):277–81 (36 ref.)

Recent news in the chemistry and pharmacology of neuroleptics with special regard to the work carried out in Czechoslovakia. Protiva M. **Pharmazie** 1986 Apr; 41(4):225–32 (179 ref.)

Effects of neuroleptics on hippocampal stimulation-induced 'wet-dog shaking' in rats. Araki H, et al. **Physiol Behav** 1986 Jan;36(1):69–74

Reward, performance, and the response strength method in self-stimulating rats: validation and neuroleptics. Hamilton AL, et al. **Physiol Behav** 1985 Dec;35(6):897–904

Central antiserotonin action of fluperlapine. Maj J, et al. **Pol J Pharmacol Pharm** 1985 Jul–Aug;37(4):517–24

Do neuropeptide systems mediate some of the effects of antipsychotic drugs? Bissette G, et al. **Prog Clin Biol Res** 1985;192:349–53

Neuroleptics, dopamine, and schizophrenia. Pickar D. **Psychiatr Clin North Am** 1986 Mar;9(1):35–48

Drug effects on serine metabolism in psychiatric patients. Waziri R, et al. **Psychiatry Res** 1986 Jun;18(2):119–26

Homovanillic acid in caudate and pre-frontal cortex following acute and chronic neuroleptic administration. Bowers MB Jr, et al. **Psychopharmacology (Berlin)** 1986; 88(1):63–5

Maternal aggression in rats: lack of interaction between chlordiazepoxide and fluprazine. Olivier B, et al. **Psychopharmacology (Berlin)** 1986;88(1):40–3

Response decrement patterns after neuroleptic and non-neuroleptic drugs. Sanger DJ. **Psychopharmacology (Berlin)** 1986;89(1):98–104

Involvement of different dopamine receptors in rat diphasic motility response to apomorphine. Vaccheri A, et al. **Psychopharmacology (Berlin)** 1986;89(3):265–8

Q-T prolongation in psychiatric outpatients. Beresford TP, et al. **Psychosomatics** 1986 Jul;27(7):497–500

[Influence of monoamines on the dl-tetrahydropalmatine-induced inhibition of single-unit activity in the nucleus accumbens] Liu GQ, et al. **Yao Hsueh Hsueh Pao** 1985 Jul;20(7):500–4 (Eng. Abstr.) (Chi)

[Benzonitrile and structural analogs: action of para-nitrobenzonitrile (PNB) on the central nervous system] Cheav SL, et al. **Ann Pharm Fr** 1985;43(4):349–58 (Fre)

[Selective antidopaminergic properties of remoxiprid, a new potential antipsychotic agent] Ogren SO, et al. **Arzneimittelforschung** 1985;35(8):1227–31 (Eng. Abstr.) (Ger)

[Behavioral and pharmacological studies of methamphetamine-induced stereotypy of mice by the open field method] Nakamura K, et al. **Yakugaku Zasshi** 1985 Aug;105(8):775–83 (Eng. Abstr.) (Jpn)

[Effect of neurotropic drugs on calmodulin and troponin C-dependent processes] Baldenkov GN, et al. **Biokhimiia** 1985 Jul;50(7):1141–50 (Eng. Abstr.) (Rus)

[Changes in the sensitivity of brain dopamine and serotonin receptors during the prolonged administration of carbidine] Zharkovskiĭ AM, et al. **Biull Eksp Biol Med** 1985 Dec; 100(12):719–22 (Eng. Abstr.) (Rus)

[Effect of neuroleptics on the thermoregulatory mechanisms in normo- and hypothermia] Bazhanov NO, et al. **Farmakol Toksikol** 1986 May–Jun;49(3):23–7 (Eng. Abstr.) (Rus)

[Effect of neuroleptics, narcotic analgesics and narcotic agents on the absorptive activity of the small intestine] Kovalʹskaia KS, et al. **Farmakol Toksikol** 1986 Jan–Feb; 49(1):63–6 (Eng. Abstr.) (Rus)

[Pharmacological analysis of the serotonin- and glutamatergic mechanisms in the suppressive effect of neuroleptics on the pedal self-stimulation of the ventral tectum of the midbrain] Talalaenko AN, et al. **Farmakol Toksikol** 1986 May–Jun;49(3):40–3 (Eng. Abstr.) (Rus)

[Effect of neuroleptics on the effects of self-stimulation of the ventral tegmentum] Talalaenko AN. **Fiziol Zh** 1986 Jul–Aug;32(4):411–3 (Eng. Abstr.) (Rus)

[Effect of drugs on the activity of lactate dehydrogenase and its isoenzymes] Volynskiĭ BG, et al. **Lab Delo** 1985; (7):394–6 (Eng. Abstr.) (Rus)

POISONING

The spectrum concept of neuroleptic toxicity [letter] Conlon P. **Am J Psychiatry** 1986 Jun;143(6):811

[Neuroleptic poisoning admitted to the Poison Treatment Center in 1980] Bjaeldager PA, et al. **Ugeskr Laeger** 1985 Sep 16;147(38):2972–5 (Eng. Abstr.) (Dan)

THERAPEUTIC USE

Open multicentre trial of zuclopenthixol in mania and schizophrenia based on the AMDP scales. Bobon D, et al. **Acta Psychiatr Belg** 1986 Mar–Apr;86(2):152–76

An open multicentre study of the treatment of florid schizophrenia with remoxipride. McCreadie RG, et al. **Acta Psychiatr Scand** 1985 Aug;72(2):139–43

Comparative investigation of chlormethiazole and neuroleptic agents in the treatment of alcoholic delirium. Athen D. **Acta Psychiatr Scand [Suppl]** 1986;329:167–70

Chemotherapy with neuroleptics. Clinical and pharmacokinetic aspects with a particular view to depot preparations. Knudsen P. **Acta Psychiatr Scand [Suppl]** 1985;322:51–75

Sudden death in a patient taking neuroleptics. Wakasugi C, et al. **Am J Forensic Med Pathol** 1986 Jun;7(2):165–6

Drugs and depression. Harris B. **Am J Nurs** 1986 Mar; 86(3):292–3

Psychotic patients' understanding of informed consent. Irwin M, et al. **Am J Psychiatry** 1985 Nov;142(11):1351–4

Addition of lithium to neuroleptic treatment in chronic schizophrenia [letter] Lewis HA, et al. **Am J Psychiatry** 1986 Feb;143(2):262

Lithium augmentation in psychotic depression refractory to combined drug treatment. Nelson JC, et al. **Am J Psychiatry** 1986 Mar;143(3):363–6

Exacerbation of schizophrenia associated with amantadine. Nestelbaum Z, et al. **Am J Psychiatry** 1986 Sep; 143(9):1170–1

Demographic predictors of the use of injectable versus oral antipsychotic medications in outpatients. Price N, et al. **Am J Psychiatry** 1985 Dec;142(12):1491–2

Pharmacotherapy for patients with borderline personality disorder. Gunderson JG. **Arch Gen Psychiatry** 1986 Jul; 43(7):698–700

Family psychoeducation, social skills training, and maintenance chemotherapy in the aftercare treatment of schizophrenia. I. One-year effects of a controlled study on relapse and expressed emotion. Hogarty GE, et al. **Arch Gen Psychiatry** 1986 Jul;43(7):633–42

Renal function of patients in long-term treatment with lithium citrate alone or in combination with neuroleptics and antidepressant drugs. Lassen E, et al. **Arch Gen Psychiatry** 1986 May;43(5):481–2

EEG asymmetry in schizophrenic patients before and during neuroleptic treatment. Merrin EL, et al. **Biol Psychiatry** 1986 May;21(5–6):455–64

Acute schizophrenia. Johnstone EC. **Br J Hosp Med** 1985 Oct;34(4):198–201

Chronic schizophrenia. Morgan R. **Br J Hosp Med** 1985 Oct; 34(4):202–5

A randomised controlled trial of prophylactic neuroleptic treatment. Crow TJ, et al. **Br J Psychiatry** 1986 Feb; 148:120–7

Neuroleptics in culture-bound syndromes [letter] Harrison-Read PE. **Br J Psychiatry** 1986 Jan;148:106–7

Short-term outcome in trial entrants and trial eligible patients. MacMillan JF, et al. **Br J Psychiatry** 1986 Feb; 148:128–33

Pharmacologic treatment of psychiatric and neurodevelopmental disorders in children and adolescents (Part 2). McDaniel KD. **Clin Pediatr (Phila)** 1986 Mar; 25(3):143–6

Early neuroleptic response in psychotic men and women: correlation with plasma HVA and MHPG. Bowers MB Jr, et al. **Compr Psychiatry** 1986 May–Jun;27(3):181–5

Multidimensional study of the outcome of schizophrenic patients 1 year after clinic discharge. Predictors and influence of neuroleptic treatment. Gaebel W, et al. **Eur Arch Psychiatry Neurol Sci** 1985;235(1):45–52

Treatment of drug-induced exogenous psychosis in parkinsonism with clozapine and fluperlapine. Scholz E, et al. **Eur Arch Psychiatry Neurol Sci** 1985;235(1):60–4

Decreased peripheral benzodiazepine binding sites in platelets of neuroleptic-treated schizophrenics. Gavish M, et al. **Eur J Pharmacol** 1986 Feb 18;121(2):275–9

Patients' competency to give informed consent to medication. Beck JC, et al. **Hosp Community Psychiatry** 1986 Apr; 37(4):400–2

Lithium-carbamazepine versus lithium-neuroleptic prophylaxis in bipolar illness. Shukla S, et al. **J Affective Disord** 1985 Nov;9(3):219–22

Early, targeted pharmacotherapeutic intervention in schizophrenia. Carpenter W Jr. **J Clin Psychiatry** 1986 May;47 Suppl:23–9 (48 ref.)

Maintenance therapy and the natural course of schizophrenia. Davis JM. **J Clin Psychiatry** 1985 Nov;46(11 Pt 2):18–21

Antipsychotic drugs and the elderly. Raskind MA, et al. **J Clin Psychiatry** 1986 May;47 Suppl:17–22 (48 ref.)

Psychotropic medication in adolescents: a review. Riftkin A, et al. **J Clin Psychiatry** 1986 Aug;47(8):400–8 (25 ref.)

The natural course of schizophrenia and effective maintenance drug treatment. Davis JM, et al. **J Clin Psychopharmacol** 1986 Feb;6(1 Suppl):2S–10S (79 ref.)

Pharmacotherapy of psychiatric emergencies. Dubin WR, et al. **J Clin Psychopharmacol** 1986 Aug;6(4):210–22 (113 ref.)

Drug-behavior therapy outcomes with chronic schizophrenics [letter] Liberman RP, et al. **J Clin Psychopharmacol** 1986 Feb;6(1):52–3

The efficacy of antipsychotic drugs and family therapies in the maintenance treatment of schizophrenia. Schooler NR. **J Clin Psychopharmacol** 1986 Feb;6(1 Suppl):11S–19S (29 ref.)

Case report of four patients with Tourette syndrome treated with piquindone, a D2 receptor antagonist. Uhr SB, et al. **J Clin Psychopharmacol** 1986 Apr;6(2):128–30

Neuroleptic compliance among chronic schizophrenic outpatients: an intervention outcome report. Boczkowski JA, et al. **J Consult Clin Psychol** 1985 Oct;53(5):666–71

Effect of neuroleptics and of potential new antipsychotic agents (MJ 13859-1 and MJ 13980-1) on a monkey model of tardive dyskinesia. Kovacic B, et al. **J Neural Transm** 1986;65(1):39–49

A 10-year follow-up study of tardive dyskinesia—with special reference to the influence of neuroleptic administration on the long-term prognosis. Yagi G, et al. **Keio J Med** 1985 Dec;34(4):211–9

Antipsychotic agents: a clinical update. Black JL, et al. **Mayo Clin Proc** 1985 Nov;60(11):777–89

Fluperlapine vs haloperidol: a comparison of their

neuroendocrinological profiles and the influence on serum lipids. Fleischhacker WW, et al. **Pharmacopsychiatry** 1986 May;19(3):111–4

A German multicentre study on the long–term treatment of schizophrenic outpatients. Pietzcker A. **Pharmacopsychiatry** 1985 Nov;18(6):333–8

A clinical assessment of zuclopenthixol dihydrochloride (Clopixol tablets) in the treatment of psychotic illness. Mann BS, et al. **Pharmatherapeutica** 1985;4(6):387–92

Relevance of polymorphic drug oxidation in the use of neuroleptics in schizophrenia. Tang SW. **Prog Clin Biol Res** 1986;214:303–11 (20 ref.)

Early treatment events and prediction of response to neuroleptics in schizophrenia. Awad AG, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1985; 9(5–6):585–8

Remoxipride in schizophrenia: effects on plasma prolactin. Chouinard G, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1985; 9(5–6):599–603

Relationship of psychotic symptom clusters in schizophrenia to neuroleptic treatment and growth hormone response to apomorphine. Zemlan FP, et al. **Psychiatry Res** 1986 Jul; 18(3):239–55

Increased CSF cortisol levels after neuroleptic treatment in schizophrenia. Gattaz WF, et al. **Psychoneuroendocrinology** 1985;10(3):351–4

Research methodology and the pharmacotherapy of the chronic schizophrenias. Ban TA, et al. **Psychopharmacol Bull** 1986;22(1):36–41

An early phase II clinical trial of remoxipride in schizophrenia with measurement of plasma neuroleptic activity. Chouinard G, et al. **Psychopharmacol Bull** 1986; 22(1):267–71

Pharmacological treatments of schizophrenia. Simpson GM. **Psychopharmacol Bull** 1986;22(1):33–5, 42–3

The AMDP system in international clinical trials: a double–blind comparison of fluperlapine and haloperidol. Woggon B, et al. **Psychopharmacol Bull** 1986;22(1):47–51

Zuclopenthixol decanoate in schizophrenia: serum levels and clinical state. Jørgensen A, et al. **Psychopharmacology (Berlin)** 1985;87(3):364–7

Neuroendocrine effects of clonidine in chronic schizophrenic patients under long–term neuroleptic therapy and after drug withdrawal: relations to psychopathology. Müller–Spahn F, et al. **Psychopharmacology (Berlin)** 1986; 88(2):190–5

A controlled trial of prostaglandin E1 precursor in chronic neuroleptic resistant schizophrenic patients. Vaddadi KS, et al. **Psychopharmacology (Berlin)** 1986;88(3):362–7

Computer–assisted review of antipsychotics on acute care units. Molnar G, et al. **QRB** 1985 Sep;11(9):271–4

On schizophrenia: light at the end of the tunnel? Pandurangi AK. **Va Med** 1986 Jul;113(7):406–7

[98 cases of senile psychosis treated with antipsychotics] Liu WH. **Chung Hua I Hsueh Tsa Chih** 1985 Jun;65(6):329–31 (Eng. Abstr.) (Chi)

[Choice of treatment in manic–depressive disorders] Jiang ZN. **Chung Hua Shen Ching Shen Ko Tsa Chih** 1985 Dec;18(6):361–3 (Eng. Abstr.) (Chi)

[Administration of maintenance therapy in endogenous psychoses in out–patient practice] Mrha B, et al. **Cesk Psychiatr** 1985 Aug;81(4):273–5 (Eng. Abstr.) (Cze)

[Clinical effectiveness of isofloxythepin—an open study] Zapletálek M, et al. **Cesk Psychiatr** 1985 Aug;81(4):242–6 (Eng. Abstr.) (Cze)

[Neuroleptics in psychogeriatrics. A proposal for a more rational prescription policy] Willekens–Bogaers MA, et al. **Tijdschr Gerontol Geriatr** 1985 Oct;16(5):179–89 (Eng. Abstr.) (Dut)

[Treatment of psychoses] Tirkkonen A. **Duodecim** 1985; 101(17):1686–97 (Fin)

[Benzamides, a therapeutic response adapted to 2 sides, paranoid and hebephrenic, of schizophrenia] Cassan P. **Ann Med Psychol (Paris)** 1985 Jul;143(7):677–82 (Fre)

[The prognosis of schizophrenia] Lungershausen E. **Fortschr Med** 1986 Feb 6;104(5):97–100 (Eng. Abstr.) (Ger)

[Prediction of therapeutic success in acute neuroleptic treatment: results of an empirical study of 243 inpatient–treated schizophrenic patients] Möller HJ, et al. **Fortschr Neurol Psychiatr** 1985 Oct;53(10):370–83 (Eng. Abstr.) (Ger)

[Psychopathometric study of the prognostic significance of psychopathologic findings and premorbid personality for discharge of neuroleptic treated patients with schizophrenic psychoses] Möller HJ, et al. **Nervenarzt** 1985 Sep; 56(9):498–505 (Ger)

[Drug therapy of so–called postherpetic neuralgia, the only valid alternative. Clinical experience in 43 treated cases] Bianchetti L. **Minerva Med** 1986 Jan 14;77(1–2):47–50 (Eng. Abstr.) (Ita)

[Identification of neuroleptics by using the characteristics of the spatial organization of the EEG] Monakhov KK, et al. **Farmakol Toksikol** 1986 May–Jun;49(3):27–32 (Eng. Abstr.) (Rus)

[B–lymphocytes of the blood in schizophrenia: effect of psychotropic therapy] Potapova VA. **Zh Nevropatol Psikhiatr** 1985;85(9):1378–81 (Eng. Abstr.) (Rus)

TOXICITY

Inhibition of dopaminergic agonist–induced gnawing behavior by neuroleptic drugs in mice. Yen–Koo HC, et al. **Drug Chem Toxicol** 1985;8(6):495–502

Characterization of the hepatic prolactin receptors induced by chronic iron deficiency and neuroleptics. Barkey RJ, et al. **Eur J Pharmacol** 1986 Mar 18;122(2):259–67

TRANQUILIZING AGENTS, MINOR

Anticonflict properties of the dipeptide Litoralon and of diazepam in rats. Schulz H, et al. **Acta Physiol Hung** 1986; 67(3):331–8

Depression and anxiety: mianserin and nomifensine compared in a double–blind multicentre trial. Granier F, et al. **Acta Psychiatr Scand [Suppl]** 1985;320:67–74

Ethyl loflazepate: a prodrug from the benzodiazepine series designed to dissociate anxiolytic and sedative activities. Chambon JP, et al. **Arzneimittelforschung** 1985; 35(10):1573–7

The effects of triazolobenzodiazepines in two animal tests of anxiety and in the holeboard. File SE, et al. **Br J Pharmacol** 1985 Nov;86(3):729–35

Evidence that the beta–carboline, ZK 91296, can reduce anxiety in animals at doses well below those causing sedation. Pellow S, et al. **Brain Res** 1986 Jan 15; 363(1):174–7

Comment: Addiction liability of benzodiazepines and buspirone [letter] Nelson RC. **Drug Intell Clin Pharm** 1986 Mar;20(3):233–4

Buspirone. A preliminary review of its pharmacological properties and therapeutic efficacy as an anxiolytic. Goa KL, et al. **Drugs** 1986 Aug;32(2):114–29 (90 ref.)

Effects of ethanol on cardiovascular and catecholamine responses to mental stress. Eisenhofer G, et al. **J Psychosom Res** 1986;30(1):93–102

Anxiolytic effects of progesterone are sexually dimorphic. Rodriguez–Sierra JF, et al. **Life Sci** 1986 May 19; 38(20):1841–5

Effects of neonatal administration of diazepam and lorazepam on performance of adolescent rats in tests of anxiety, aggression, learning and convulsions. File SE. **Neurobehav Toxicol Teratol** 1986 May–Jun;8(3):301–6

Are serotonergic neurons involved in the control of anxiety and in the anxiolytic activity of benzodiazepines? Thiebot MH. **Pharmacol Biochem Behav** 1986 May;24(5):1471–7

The shock probe conflict procedure. A new assay responsive to benzodiazepines, barbiturates and related compounds. Meert TF, et al. **Psychopharmacology (Berlin)** 1986; 88(4):445–50

Effects of propranolol on conditioned suppression, discriminated punishment and discriminated non–reward in the rat. Salmon P, et al. **Psychopharmacology (Berlin)** 1986;88(2):252–7

[Pharmaco–ethological analysis of agonistic behavior between resident and intruder mice: effects of adrenergic beta–blockers] Yoshimura H, et al. **Yakubutsu Seishin Kodo** 1985 Sep;5(3):223–9 (Eng. Abstr.) (Jpn)

[Critical study of the clinical actions of 5–HTP] Teixeira M. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1986 Mar–Apr;14(2):104–12 (Por)

[The role of GABA–benzodiazepine receptor complex in affecting the anxiolytic effect of 3–hydroxypyridines—new non–benzodiazepine tranquilizers] Voronina TA, et al. **Biull Eksp Biol Med** 1986 May;101(5):571–3 (Eng. Abstr.) (Rus)

[Quantitative evaluation of the anxiolytic and nootropic effects of potassium orotate in a wide range of doses] Karkishchenko NN, et al. **Farmakol Toksikol** 1986 Jan–Feb; 49(1):14–6 (Eng. Abstr.) (Rus)

ADMINISTRATION & DOSAGE

The effects of Ro 15–1788 on anxiolytic self–administration in the rhesus monkey. Johanson CE, et al. **Pharmacol Biochem Behav** 1986 Apr;24(4):855–9

[Determination of optimal posology for hypnotic and anxiolytic agents] Dreyfus JF, et al. **J Pharmacol** 1986;17 Suppl 1:19–24 (Fre)

ADVERSE EFFECTS

Review of the side–effect profile of buspirone. Newton RE, et al. **Am J Med** 1986 Mar 31;80(3B):17–21 (9 ref.)

Assessment of addiction liability of benzodiazepines and buspirone. Perry PJ. **Drug Intell Clin Pharm** 1985 Sep; 19(9):657–9

ANALYSIS

Simultaneous determination of 2–(p–chlorophenyl)pyrazolo[4,3–c] quinoline–3(5H)–one and its 6–, 7– and 8–hydroxy metabolites in plasma, urine and bile by high–performance liquid chromatography. Kochak GM, et al. **J Chromatogr** 1986 May 28;378(1):242–7

BLOOD

Capillary gas chromatographic–mass spectrometric determination of buspirone in plasma. Gammans RE, et al. **J Chromatogr** 1985 Dec 13;345(2):285–97

CHEMICAL SYNTHESIS

Syntheses of 3,4–dihydro–2H–1,4–benzoxazine–2–acetates and related compounds. Masuoka Y, et al. **Chem Pharm Bull (Tokyo)** 1986 Jan;34(1):130–9

Buspirone analogues. 2. Structure–activity relationships of aromatic imide derivatives. New JS, et al. **J Med Chem** 1986 Aug;29(8):1476–82

DIAGNOSTIC USE

Pharmacological characterisation of a modified social interaction model of anxiety in the rat. Guy AP, et al. **Neuropsychobiology** 1985;13(4):194–200

METABOLISM

Autoradiographic identification and topographical analyses of high affinity serotonin receptor subtypes as a target for the novel putative anxiolytic TVX Q 7821. Glaser T, et al. **Brain Res** 1985 Dec 9;358(1–2):129–36

1–(2–Pyrimidinyl)–piperazine as active metabolite of buspirone in man and rat. Caccia S, et al. **Pharmacology** 1986;33(1):46–51

Disposition of the psychotropic drugs buspirone, MJ–13805 and piribedil, and of their common active metabolite 1–(2–pyrimidinyl)–piperazine in the rat. Caccia S, et al. **Xenobiotica** 1985 Oct;15(10):835–44

[Occupation of central benzodiazepine receptors and anxiety] Le Fur G, et al. **Therapie** 1986 Jan–Feb;41(1):43–7 (Eng. Abstr.) (Fre)

PHARMACODYNAMICS

Bidirectional modulation of GABA function by beta–carbolines. Jensen LH, et al. **Adv Biochem Psychopharmacol** 1986;41:79–89

Anxiolytic and anxiogenic beta–carbolines: tools for the study of anxiety mechanisms. Stephens DN, et al. **Adv Biochem Psychopharmacol** 1986;41:91–106

Neurochemical effects of buspirone in rat hippocampus: evidence for selective activation of 5HT neurons. Mennini T, et al. **Arch Int Pharmacodyn Ther** 1986 Jan;279(1):40–9

Neuroanatomical site of the inhibitory influence of anxiolytic drugs on central serotonergic transmission. Nishikawa T, et al. **Brain Res** 1986 Apr 16;371(1):123–32

Serotonergic involvement in pharmacological action of the anxiolytic–sedatives thalidomide and supidimide. Youdim MB, et al. **Eur J Pharmacol** 1985 Dec 10;119(1–2):39–46

Cardiovascular and renal effects of buspirone in several animal models. Hanson RC, et al. **Gen Pharmacol** 1986; 17(3):267–74

Comparative chronic effects of buspirone or neuroleptics on rat brain dopaminergic neurotransmission. McMillen BA. **J Neural Transm** 1985;64(1):1–12

Validation of open:closed arm entries in an elevated plus–maze as a measure of anxiety in the rat. Pellow S, et al. **J Neurosci Methods** 1985 Aug;14(3):149–67

Buspirone decreases the activity of 5–hydroxytryptamine–containing dorsal raphe neurons in–vitro. Trulson ME, et al. **J Pharm Pharmacol** 1986 May; 38(5):380–2

Discriminative stimulus effects of atypical anxiolytics in baboons and rats. Ator NA, et al. **J Pharmacol Exp Ther** 1986 May;237(2):393–403

Behavioral studies with anxiolytic drugs. III. Antipunishment actions of buspirone in the pigeon do not involve benzodiazepine receptor mechanisms. Barrett JE, et al. **J Pharmacol Exp Ther** 1986 Sep;238(3):1009–13

Behavioral studies with anxiolytic drugs. II. Interactions of zopiclone with ethyl–beta–carboline–3–carboxylate and Ro 15–1788 in squirrel monkeys. Barrett JE, et al. **J Pharmacol Exp Ther** 1986 Feb;236(2):313–9

Behavioral effects of zopiclone, CL 218,872 and diazepam in squirrel monkeys: antagonism by Ro 15–1788 and CGS 8216. Wettstein JG, et al. **J Pharmacol Exp Ther** 1986 Aug; 238(2):522–8

Distress vocalization in rat pups. A simple screening method for anxiolytic drugs. Gardner CR. **J Pharmacol Methods** 1985 Nov;14(3):181–7

Auto–titration technique using intracranial self–stimulation and effects of antianxiety drugs. Ichimaru Y, et al. **Jpn J Pharmacol** 1985 Nov;39(3):331–8

Effect of 450191–S, a 1H–1,2,4–triazolyl benzophenone derivative, on cerebral content of neuroactive amino acids. Tomono S, et al. **Jpn J Pharmacol** 1985 Dec;39(4):558–61

A study of the effects of buspirone, BMY 13805, and 1–PP on dopaminergic metabolism in the nucleus accumbens using in vivo voltammetry in freely moving rats. Louilot A, et al. **Life Sci** 1986 Aug 25;39(8):685–92

Difference in learning and retention by Albino–Swiss mice. Part 2. Effect of some anxiolytic drugs. Valzelli L, et al. **Methods Find Exp Clin Pharmacol** 1985 Nov;7(11):569–72

Report from the University of Chicago Drug Abuse Research Center. Johanson CE. **Natl Inst Drug Abuse Res Monogr Ser** 1984;55:76–81

Quantitative electroencephalographic profile of 3–(4–hydroxy–1–piperidinyl)–6–(2,4–dichlorophenyl)–pyridazine (SR 41378) in the rat. Santucci V, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Jun; 333(2):186–9

The anxiolytic but not the sedative properties of tracazolate are reversed by the benzodiazepine receptor antagonist, Ro 15–1788. File SE, et al. **Neuropsychobiology** 1985;

14(4):193–7
Is tofisopam an atypical anxiolytic? Pellow S, et al. **Neurosci Biobehav Rev** 1986 Summer;10(2):221–7
Naturalistic behavioral assessment of anxiolytic properties of benzodiazepines and ethanol in mice. Dudek BC, et al. **Neurosci Lett** 1986 Jan 30;63(3):265–70
Septal driving of hippocampal theta rhythm: role of gamma-aminobutyrate–benzodiazepine receptor complex in mediating effects of anxiolytics. Quintero S, et al. **Neuroscience** 1985 Dec;16(4):875–84
Serotonergic mechanisms in the behavioral effects of buspirone and gepirone. Eison AS, et al. **Pharmacol Biochem Behav** 1986 Mar;24(3):701–7
Non–benzodiazepine anxiolytics: potential activity of phenylpiperazines without 3H–diazepam displacing action. Lloyd KG, et al. **Pharmacol Biochem Behav** 1985 Oct; 23(4):645–52
Anxiolytic–like action of melatonin on acquisition but not performance of DRL. Neville K, et al. **Pharmacol Biochem Behav** 1986 Jun;24(6):1497–502
Pharmacology of pyrazolopyridines. Patel JB, et al. **Pharmacol Biochem Behav** 1985 Oct;23(4):675–80 (31 ref.)
Anxiolytic and anxiogenic drug effects on exploratory activity in an elevated plus–maze: a novel test of anxiety in the rat. Pellow S, et al. **Pharmacol Biochem Behav** 1986 Mar;24(3):525–9
Pharmacological and clinical effects of buspirone. Taylor DP, et al. **Pharmacol Biochem Behav** 1985 Oct;23(4):687–94 (43 ref.)
Interaction of buspirone and dopaminergic agents on punished behavior of pigeons. Witkin JM, et al. **Pharmacol Biochem Behav** 1986 Mar;24(3):751–6
Effects of Suanzaorentang on behavior changes and central monoamines. Hsieh MT, et al. **Proc Natl Sci Counc Repub China [B]** 1986 Jan;10(1):43–8
Midazolam cue in rats: generalization tests with anxiolytic and other drugs. Garcha HS, et al. **Psychopharmacology (Berlin)** 1985;87(2):233–7
Disinhibitory effects of buspirone and low doses of sulpiride and haloperidol in two experimental anxiety models in rats: possible role of dopamine. Pich EM, et al. **Psychopharmacology (Berlin)** 1986;89(1):125–30
The staircase test: some evidence of nonspecificity for anxiolytics. Pollard GT, et al. **Psychopharmacology (Berlin)** 1986;89(1):14–9
Mechanisms of depressant drug action/interaction. Schoener EP. **Recent Dev Alcohol** 1986;4:39–60
[Effect of compounds with anxiolytic properties on voluntary ethanol consumption by rats] Burov IuV, et al. **Biull Eksp Biol Med** 1986 Apr;101(4):442–4 (Eng. Abstr.) **(Rus)**
[Role of benzodiazepine receptors in realizing the anxiolytic effect of compounds on intact rats and on animals with a physical dependence ethanol] Burov IuV, et al. **Biull Eksp Biol Med** 1986 Feb;101(2):170–2 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Septilin and geriforte in allergic and vasomotor rhinitis. Grewal DS, et al. **Auris Nasus Larynx** 1985;12(2):95–101
Drug therapy of anxiety disorders. Desmond P, et al. **Aust Fam Physician** 1985 Sep;14(9):876–9
Prescribing hints for the treatment of anxiety and depression. Horgan D. **Aust Fam Physician** 1985 Sep;14(9):872–5
An interim multicentre report on 677 anxious geriatric out–patients treated with buspirone. Napoliello MJ. **Br J Clin Pract** 1986 Feb;40(2):71–3
Buspirone, Parkinson's disease, and the locus ceruleus. Ludwig CL, et al. **Clin Neuropharmacol** 1986;9(4):373–8
Psychopharmacology and psychotherapy in the treatment of anxiety. Freedman AM. **Curr Psychiatr Ther** 1986; 23:101–18 (47 ref.)
Buspirone: a new type of anxiolytic. Dommisse CS, et al. **Drug Intell Clin Pharm** 1985 Sep;19(9):624–8 (28 ref.)
Suanzaorentang in cardiac patients with anxiety. Hsieh MT, et al. **Eur J Clin Pharmacol** 1986;30(4):481–4
Low–sedation potential of buspirone compared with alprazolam and lorazepam in the treatment of anxious patients: a double–blind study. Cohn JB, et al. **J Clin Psychiatry** 1986 Aug;47(8):409–12
Clinical notes in therapeutics: pharmacoanxiolytic therapy in dentistry: barbiturates, chloral derivatives and antihistamines. Rye LA, et al. **J Oral Med** 1986 Jan–Mar; 41(1):66–7
Anxiolytics and the alcoholic patient. Meyer RE. **J Stud Alcohol** 1986 Jul;47(4):269–73
Resistance to the anti–anxiety effect of buspirone in patients with a history of benzodiazepine use [letter] Schweizer E, et al. **N Engl J Med** 1986 Mar 13;314(11):719–20
Comparison of buspirone and diazepam in generalized anxiety disorder. Jacobson AF, et al. **Pharmacotherapy** 1985 Sep–Oct;5(5):290–6
The effects of putative anxiolytic compounds (PK 8165, PK 9084 and tracazolate) on the rat corticosterone response. File SE, et al. **Physiol Behav** 1985 Oct;35(4):583–6
Buspirone: anxiolytic? Pecknold JC, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1985; 9(5–6):639–42
Recent developments in the use of antidepressant and anxiolytic medications. Simeon JG, et al. **Psychiatr Clin North Am** 1985 Dec;8(4):893–907
Open trial of buspirone in the treatment of major depressive disorder. Schweizer EE, et al. **Psychopharmacol Bull** 1986; 22(1):183–5
Buspirone: an anxiolytic without sedative effect. Seidel WF, et al. **Psychopharmacology (Berlin)** 1985;87(3):371–3
[Clinical methods for studying anxiolytic agents] Guelfi JD. **Therapie** 1986 Jan–Feb;41(1):37–41 (Eng. Abstr.) **(Fre)**

TRANSALDOLASE see under **TRANSFERASES**

TRANSAMIDINASES see **AMIDINOTRANSFERASES**

TRANSAMINASES see **AMINOTRANSFERASES**

TRANSCOBALAMIN II see **TRANSCOBALAMINS**

TRANSCOBALAMINS

ANALYSIS

Rapid collection of human intrinsic factor uncontaminated with cobalophilin (R binder). Herzlich B, et al. **Am J Gastroenterol** 1986 Aug;81(8):678–80
Transcobalamin I as a "marker" for fibrolamellar hepatoma. Wheeler K, et al. **Med Pediatr Oncol** 1986;14(4):227–9
Solid–phase immunoassay for human transcobalamin II and detection of the secretory protein in cultured human cells. Fräter–Schröder M. **Methods Enzymol** 1986;123:36–49
Isoelectric focusing of rabbit transcobalamin from serum and cerebrospinal fluid. Hansen M, et al. **Scand J Clin Lab Invest** 1986 May;46(3):207–11

BIOSYNTHESIS

The modulation of transcobalamin II (TC–II) production by cyclic adenosine 3',5'–monophosphate in the murine macrophage cell line J774: relationship to growth behavior. Melmed RN, et al. **J Cell Physiol** 1986 Mar;126(3):430–4

DEFICIENCY

Transcobalamin II deficiency and oral cobalamin therapy [letter] Carmel R. **Blood** 1986 May;67(5):1522–3
Homozygous transcobalamin II deficiency maintained on oral hydroxocobalamin. Zeitlin HC, et al. **Blood** 1985 Nov; 66(5):1022–7

GENETICS

Linkage of transcobalamin II (TC2) to the P blood group system and assignment to chromosome 22. Eiberg H, et al. **Clin Genet** 1986 May;29(5):354–9
Indication against genetic localisation of the human transcobalamin II gene (TC2) on chromosome 16. Gallmann M, et al. **Clin Genet** 1986 May;29(5):349–53

ISOLATION & PURIFICATION

Purification of B12–binding proteins using a photodissociative affinity matrix. Jacobsen DW, et al. **Methods Enzymol** 1986;123:28–36

METABOLISM

Variant–specific differences in human unsaturated transcobalamin II. Porck HJ, et al. **Biochem Genet** 1986 Feb;24(1–2):103–14
Radioimmunoassay for assessing exocrine pancreatic insufficiency, based on the differential enzymatic degradation of cobalamin–binding proteins. Marcoullis G, et al. **Clin Chem** 1986 Mar;32(3):453–60
The metabolism of cobalamin bound to transcobalamin II and to glycoproteins that bind Cbl in HepG2 cells (human hepatoma). Hall CA, et al. **J Cell Physiol** 1985 Sep; 124(3):507–15
Uptake of transcobalamin II–bound cobalamin by isolated rat kidney tubule cells. Lindemans J, et al. **Scand J Clin Lab Invest** 1986 May;46(3):223–32
Cobalamin and unsaturated transcobalamin values in pernicious anaemia: relation to treatment. Magnus EM. **Scand J Haematol** 1986 May;36(5):457–65

TRANSCORTIN

ANALOGS & DERIVATIVES

Transport and intracellular localization of cortisol–asialotranscortin complexes in rat liver. Kazásková H, et al. **J Steroid Biochem** 1986 Mar;24(3):725–9

ANALYSIS

Concentrations of sex–hormone binding globulin and corticosteroid binding globulin in serum in relation to cardiovascular risk factors and to 12–year incidence of cardiovascular disease and overall mortality in postmenopausal women. Lapidus L, et al. **Clin Chem** 1986 Jan;32(1 Pt 1):146–52
Endogenous corticoids and lung development in the fetal rabbit. Hümmelink R, et al. **Endocrinology** 1986 Apr; 118(4):1622–9
Immunocytochemical localization of corticosteroid–binding globulin in rat tissues. Kuhn RW, et al. **J Endocrinol** 1986 Jan;108(1):31–6
Steroid–carrier proteins in patients with multiple myeloma. De Moor P, et al. **J Steroid Biochem** 1986 Aug;25(2):261–4

BIOSYNTHESIS

Human transcortin synthesis by a cell–free translation of hepatic mRNA. Sueda K, et al. **Endocrinol Jpn** 1985 Apr; 32(2):295–303

BLOOD

Transcortin and vitamin D–binding protein levels in mouse serum. Faict D, et al. **J Endocrinol** 1986 May;109(2):141–7
Elevation of corticosteroid–binding globulin in obese strain (OS) chickens: possible implications for the disturbed immunoregulation and the development of spontaneous autoimmune thyroiditis. Fässler R, et al. **J Immunol** 1986 May 15;136(10):3657–61

DEFICIENCY

Haplotypes in transcortin deficiency [letter] De Moor P. **Clin Endocrinol (Oxf)** 1986 Apr;24(4):467

GENETICS

Transcortin and alpha 2u–globulin messenger RNA activities during turpentine–induced inflammation in the rat. Faict D, et al. **J Steroid Biochem** 1985 Sep;23(3):243–6

IMMUNOLOGY

Phylogenetic study of transcortin using monoclonal antibodies. Faict D, et al. **Biochem Biophys Res Commun** 1986 Aug 14;138(3):1037–43

ISOLATION & PURIFICATION

Mineralcorticoid receptor from rat kidney. Interaction with heparin and purification to a CBG–free stage. Weisz A, et al. **J Steroid Biochem** 1986 Jan;24(1):461–7

METABOLISM

Effects of progesterone induced postmaturity on CBG and pituitary–adrenal activities in the rat foetus. Dupouy JP, et al. **Acta Endocrinol (Copenh)** 1986 Jul;112(3):396–403
Identification and measurement of sex hormone binding globulin (SHBG) and corticosteroid binding globulin (CBG) in human saliva. Hammond GL, et al. **Acta Endocrinol (Copenh)** 1986 Aug;112(4):603–8
Alterations in sex steroid–binding protein (SBP), corticosteroid–binding globulin (CBG), and steroid hormone concentrations during pregnancy in rhesus macaques. Stanczyk FZ, et al. **Biol Reprod** 1986 Aug; 35(1):126–32
Rapid cortisol and corticosteroid–binding globulin responses during pregnancy and after estrogen administration in the squirrel monkey. Coe CL, et al. **Endocrinology** 1986 Jan; 118(1):435–40
Cortisol levels, binding, and properties of corticosteroid–binding globulin in the serum of primates. Klosterman LL, et al. **Endocrinology** 1986 Jan; 118(1):424–34
Steroid–binding proteins in primate plasma. Rosner W, et al. **Endocrinology** 1986 Feb;118(2):513–7
A comparison of adrenal cortical function in patients with depressive illness and Cushing's disease. Schlechte JA, et al. **Horm Res** 1986;23(1):1–8
Serum inflammatory responses of transcortin binding activities and of total and free corticosterone and progesterone levels in developing rats: a kinetic approach. Savu L, et al. **Int J Tissue React** 1985;7(6):443–8
Cortisol 17 beta acid, transcortin, and the heterogeneity of rat brain glucocorticoid receptors. Sheppard KE, et al. **J Steroid Biochem** 1986 Aug;25(2):285–8
Human corticosteroid–binding capacities in normal, high–risk or pregnancies with an abnormal outcome. Murao F, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Apr; 38(4):590–4
Fetal and maternal corticosterone and corticosteroid binding globulin in the diabetic rat gestation. Gewolb IH, et al. **Pediatr Res** 1986 Feb;20(2):155–60
Specific binding of human corticosteroid–binding globulin to cell membranes. Hryb DJ, et al. **Proc Natl Acad Sci USA** 1986 May;83(10):3253–6
[Diagnostic informative value of the method of competitive transcortin binding for determining corticosteroid levels in hypercorticism] Buniatian AF, et al. **Probl Endokrinol (Mosk)** 1985 Jul–Aug;31(4):24–7 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

CBG does not restrict blood–brain barrier corticosterone transport in rabbits. Pardridge WM, et al. **Am J Physiol** 1986 Aug;251(2 Pt 1):E204–8
Transcortin modulates the effect of cortisol on mitogen–induced lymphocyte proliferation and immunoglobulin production. Faict D, et al. **J Steroid Biochem** 1985 Nov;23(5A):553–5

TRANSCRIPTASES see **RNA POLYMERASES**

TRANSCRIPTION FACTORS

Thermal denaturation of the core protein of lac repressor. Manly SP, et al. **Biochemistry** 1985 Jul 16;24(15):3842–6
1H NMR studies of lambda cro repressor. 1. Selective optimization of two–dimensional relayed coherence

transfer spectroscopy. Weber PL, et al. **Biochemistry** 1985 Aug 13;24(17):4549–52
1H NMR studies of lambda cro repressor. 2. Sequential resonance assignments of the 1H NMR spectrum. Weber PL, et al. **Biochemistry** 1985 Aug 13;24(17):4553–62
Homologous interactions of lambda repressor and lambda Cro with the lambda operator. Hochschild A, et al. **Cell** 1986 Mar 28;44(6):925–33
Trans-acting nuclear protein responsible for induction of rearranged human immunoglobulin heavy chain gene. Maeda H, et al. **Cell** 1986 Apr 11;45(1):25–33
Increasing and decreasing protein stability: effects of revertant substitutions on the thermal denaturation of phage lambda repressor. Hecht MH, et al. **J Cell Biochem** 1985; 29(3):217–24
Crystallization of a complex of cro repressor with a 17 base-pair operator. Brennan RG, et al. **J Mol Biol** 1986 Mar 5;188(1):115–8
Crystallization of the Arc repressor. Jordan SR, et al. **J Mol Biol** 1985 Sep 20;185(2):445–6
Initiation of transcription by bacteriophage T4-modified RNA polymerase independently of host sigma factor. Malik S, et al. **J Mol Biol** 1985 Sep 5;185(1):83–91
Transcription factor Sp1 recognizes a DNA sequence in the mouse dihydrofolate reductase promoter. Dynan WS, et al. **Nature** 1986 Jan 16–22;319(6050):246–8
Importance of helical periodicity [news] Enver T, et al. **Nature** 1986 Jan 9–15;319(6049):99–100
The three-dimensional structure of trp repressor. Schevitz RW, et al. **Nature** 1985 Oct 31–Nov 6;317(6040):782–6
A nuclear factor that binds to a conserved sequence motif in transcriptional control elements of immunoglobulin genes. Singh H, et al. **Nature** 1986 Jan 9–15;319(6049):154–8
Isotope-detected 1H NMR studies of proteins: a general strategy for editing interproton nuclear Overhauser effects by heteronuclear decoupling, with application to phage lambda repressor. Weiss MA, et al. **Proc Natl Acad Sci USA** 1986 Mar;83(5):1325–9

ANALYSIS

Quantitation and characterization of tau factor in porcine tissues. Montejo de Garcini E, et al. **Biochim Biophys Acta** 1986 May 2;881(3):456–61
NMR studies of the trp repressor from Escherichia coli. Characterisation and assignments of residue types. Lane AN, et al. **Eur J Biochem** 1985 Oct 15;152(2):395–404
Preliminary identification of the secondary structure of the trp repressor from Escherichia coli. Lane AN, et al. **Eur J Biochem** 1985 Oct 15;152(2):405–9
Identification of surface residues in the trp repressor of Escherichia coli. Lane AN, et al. **Eur J Biochem** 1985 Oct 15;152(2):411–8
Intracellular Trp repressor levels in Escherichia coli. Gunsalus RP, et al. **J Bacteriol** 1986 Jul;167(1):272–8
Sigma 29-like protein is a common sporulation-specific element in bacteria of the genus Bacillus. Trempy JE, et al. **J Bacteriol** 1985 Dec;164(3):1356–8
Analysis of expression of yeast enolase 1 gene containing a longer pyrimidine-rich region located between the TATA box and transcription start site. Jigami Y, et al. **J Biochem (Tokyo)** 1986 Apr;99(4):1111–25
Nucleotide sequence and organization of Bacillus subtilis RNA polymerase major sigma (sigma 43) operon. Wang LF, et al. **Nucleic Acids Res** 1986 May 27;14(10):4293–307
Primary structure of phage mu transposase: homology to mu repressor. Harshey RM, et al. **Proc Natl Acad Sci USA** 1985 Nov;82(22):7676–80

BIOSYNTHESIS

Escherichia coli integration host factor inhibits the NusA stimulation of RNA polymerase sigma subunit synthesis in vitro. Peacock S, et al. **Arch Biochem Biophys** 1985 Nov 15;243(1):315–9
The developmental expression of the gene for TFIIIA in Xenopus laevis. Taylor W, et al. **Nucleic Acids Res** 1986 Aug 11;14(15):6185–95
Products of nitrogen regulatory genes ntrA and ntrC of enteric bacteria activate glnA transcription in vitro: evidence that the ntrA product is a sigma factor. Hirschman J, et al. **Proc Natl Acad Sci USA** 1985 Nov;82(22):7525–9
The overproduction and characterization of the bacteriophage Mu regulatory DNA-binding protein ner. Tolias PP, et al. **Virology** 1986 Jan 30;148(2):298–311

GENETICS

Putative repressor binding sites in the regions mediating transcriptional control of viral and cellular genes. Renan MJ. **Biosci Rep** 1985 Sep;5(9):739–53
Computer modeling studies of the structure of a repressor. Anderson WF, et al. **Biosystems** 1985;18(1):3–14
The role of DNA-mediated transfer of TFIIIA in the concerted gyration and differential activation of the Xenopus 5S RNA genes. Kmiec EB, et al. **Cell** 1986 Apr 25;45(2):209–18
Identification of a cellular transcription factor involved in E1A trans-activation. Kovesdi I, et al. **Cell** 1986 Apr 25; 45(2):219–28
Interaction of a gene-specific transcription factor with the adenovirus major late promoter upstream of the TATA box region. Sawadogo M, et al. **Cell** 1985 Nov;43(1):165–75
Identification of a protein-binding site that mediates transcriptional response of the c-fos gene to serum factors. Treisman R. **Cell** 1986 Aug 15;46(4):567–74
Synthetic lac operator mediates repression through lac repressor when introduced upstream and downstream from lac promoter. Besse M, et al. **EMBO J** 1986 Jun; 5(6):1377–81
A general upstream binding factor for genes of the yeast translational apparatus. Huet J, et al. **EMBO J** 1985 Dec 16;4(13A):3539–47
Specific interaction between a transcription factor and the upstream element of the adenovirus-2 major late promoter. Miyamoto NG, et al. **EMBO J** 1985 Dec 16;4(13A):3563–70
Specific interaction of cellular factors with the B enhancer of polyoma virus. Piette J, et al. **EMBO J** 1985 Oct; 4(10):2675–85
Comment on 'Duplicated sporulation genes in bacteria' by J. Errington, P. Fort and J. Mandelstam. Stragier P. **FEBS Lett** 1986 Jan 20;195(1-2):9–11
Studies on deo operon regulation in Escherichia coli: cloning and expression of the cytR structural gene. Barbier CS, et al. **Gene** 1985;36(1-2):37–44
Cloning and characterization of several dominant-negative and tight-binding mutants of lac repressor. Betz JL. **Gene** 1986;42(3):283–92
Nucleotide sequence of the immunity region of Bacillus subtilis bacteriophage phi 105: identification of the repressor gene and its mRNA and protein products. Cully DF, et al. **Gene** 1985;38(1-3):153–64
The primary structure of the yeast hexokinase PII gene (HXK2) which is responsible for glucose repression. Fröhlich KU, et al. **Gene** 1985;36(1-2):105–11
Nucleotide sequence of the tetracycline resistance gene of pTHT15, a thermophilic Bacillus plasmid: comparison with staphylococcal TcR controls. Hoshino T, et al. **Gene** 1985; 37(1-3):131–8
Nucleotide sequence of the birA gene encoding the biotin operon repressor and biotin holoenzyme synthetase functions of Escherichia coli. Howard PK, et al. **Gene** 1985; 35(3):321–31
Studies on the regulation and function of the Klebsiella pneumoniae ntrA gene. Merrick MJ, et al. **Gene** 1985; 35(3):297–303
Rapid repeated cloning of mutant lac repressor genes. Schaaper RM, et al. **Gene** 1985;39(2-3):181–9
Role of ner protein in bacteriophage Mu transposition. Goosen N, et al. **J Bacteriol** 1986 Aug;167(2):503–7
araB Gene and nucleotide sequence of the araC gene of Erwinia carotovora. Lei SP, et al. **J Bacteriol** 1985 Nov; 164(2):717–22
Analysis of forward mutations induced by N-methyl-N'-nitro-N-nitrosoguanidine in the bacteriophage P22 mnt repressor gene. Lucchesi P, et al. **J Bacteriol** 1986 Apr;166(1):34–7
Autogenous regulation of the gene for transcription termination factor rho in Escherichia coli: localization and function of its attenuators. Matsumoto Y, et al. **J Bacteriol** 1986 Jun;166(3):945–58
F'-coded, temperature-sensitive lambda cI857 repressor gene for easy construction and regulation of lambda promoter-dependent expression systems. Mieschendahl M, et al. **J Bacteriol** 1985 Dec;164(3):1366–9
Transcriptional control of the Bacillus subtilis spoIID gene. Rong S, et al. **J Bacteriol** 1986 Mar;165(3):771–9
Incompatibility repressor in a RepA-like replicon of the IncFI plasmid ColV2-K94. Weber PC, et al. **J Bacteriol** 1986 Jun;166(3):1106–12
Interactions of the Escherichia coli methionine repressor with the metF operator and with its corepressor, S-adenosylmethionine. Saint-Girons I, et al. **J Biol Chem** 1986 Aug 15;261(23):10936–40
The rho-115 mutation in transcription termination factor rho affects its primary polynucleotide binding site. Sharp JA, et al. **J Biol Chem** 1986 Feb 25;261(6):2524–8
The bacteriophage P22 arc and mnt repressors. Overproduction, purification, and properties. Vershon AK, et al. **J Biol Chem** 1985 Oct 5;260(22):12124–9
Structural analysis of the ileR locus of Escherichia coli K12. Weiss DL, et al. **J Biol Chem** 1986 Jul 25;261(21):9966–71
Evidence for the presence of cAMP, cAMP receptor and transcription termination factor rho in different gram-negative bacteria. Biville F, et al. **J Gen Microbiol** 1985 Nov;131 (Pt 11):2953–60
Changes in the half-life of ribosomal protein messenger RNA caused by translational repression. Cole JR, et al. **J Mol Biol** 1986 Apr 5;188(3):383–92
Functional analysis of lac repressor restart sites in translational initiation and reinitiation. Cone KC, et al. **J Mol Biol** 1985 Dec 20;186(4):733–42
Messenger RNA conformation and ribosome selection of translational reinitiation sites in the lac repressor mRNA. Cone KC, et al. **J Mol Biol** 1985 Dec 20;186(4):725–32
Phage lambda repressor revertants. Amino acid substitutions that restore activity to mutant proteins. Hecht MH, et al. **J Mol Biol** 1985 Nov 5;186(1):53–63
Thermodynamic origins of specificity in the lac repressor-operator interaction. Adaptability in the recognition of mutant operator sites. Mossing MC, et al. **J Mol Biol** 1985 Nov 20;186(2):295–305
Mechanisms of spontaneous mutagenesis: an analysis of the spectrum of spontaneous mutation in the Escherichia coli lacI gene. Schaaper RM, et al. **J Mol Biol** 1986 May 20; 189(2):273–84
The 89,000-Mr murine cytomegalovirus immediate-early protein activates gene transcription. Koszinowski UH, et al. **J Virol** 1986 Apr;58(1):59–66
Three trans-acting regulatory proteins of herpes simplex virus modulate immediate-early gene expression in a pathway involving positive and negative feedback regulation. O'Hare P, et al. **J Virol** 1985 Dec;56(3):723–33
Construction of recombinant murine retroviruses that express the human T-cell leukemia virus type II and human T-cell lymphotropic virus type III trans activator genes. Rosen CA, et al. **J Virol** 1986 Jan;57(1):379–84
The p40x of human T-cell leukemia virus type I is a trans-acting activator of viral gene transcription. Seiki M, et al. **Jpn J Cancer Res** 1985 Dec;76(12):1127–31
Weigle reactivation and mutagenesis of bacteriophage lambda in lexA(Def) mutants of E. coli K12. Calsou P, et al. **MGG** 1985;201(2):329–33
Suppression of defective-sporulation phenotypes by mutations in the major sigma factor gene (rpoD) of Bacillus subtilis. Leung A, et al. **MGG** 1985;201(1):96–8
Genetic mapping of rpoD implicates the major sigma factor of Bacillus subtilis RNA polymerase in sporulation initiation. Price CW, et al. **MGG** 1985;201(1):88–95
The sigma-like product of sporulation gene spoIIAC of Bacillus subtilis is toxic to Escherichia coli. Yudkin MD. **MGG** 1986 Jan;202(1):55–7
Cloning and expression of the Escherichia coli rho gene in a plasmid vector. Gulletta E, et al. **Microbiologica** 1985 Oct;8(4):303–12
E1A 13S and 12S mRNA products made in Escherichia coli both function as nucleus-localized transcription activators but do not directly bind DNA. Ferguson B, et al. **Mol Cell Biol** 1985 Oct;5(10):2653–61
Inhibition of DNA-dependent transcription by the leader RNA of vesicular stomatitis virus: role of specific nucleotide sequences and cell protein binding. Grinnell BW, et al. **Mol Cell Biol** 1985 Oct;5(10):2502–13
The trans-activator gene of HTLV-III is essential for virus replication. Fisher AG, et al. **Nature** 1986 Mar 27–Apr 2; 320(6060):367–71
Sequence homology of the yeast regulatory protein ADR1 with Xenopus transcription factor TFIIIA. Hartshorne TA, et al. **Nature** 1986 Mar 20–26;320(6059):283–7
Requirement of stereospecific alignments for initiation from the simian virus 40 early promoter. Takahashi K, et al. **Nature** 1986 Jan 9–15;319(6049):121–6
Sigma factors from E. coli, B. subtilis, phage SP01, and phage T4 are homologous proteins. Gribskov M, et al. **Nucleic Acids Res** 1986 Aug 26;14(16):6745–63
Nuclear factors bind to regulatory regions of the mouse kappa immunoglobulin gene. Hromas R, et al. **Nucleic Acids Res** 1986 Jun 25;14(12):4837–48
Negative regulatory sequences in the E1a-inducible enhancer of the adenovirus-2 early E1a promoter. Jalinot P, et al. **Nucleic Acids Res** 1986 Mar 25;14(6):2651–69
Effect of E1A and E1B viral proteins on the expression of a calcium ionophore-inducible gene and its promoter. Lin AY, et al. **Nucleic Acids Res** 1986 Jun 25;14(12):4911–21
The relationship of regulatory proteins and DNase I hypersensitive sites in the yeast GAL1-10 genes. Lohr D, et al. **Nucleic Acids Res** 1985 Dec 9;13(23):8409–23
Localization and DNA sequence analysis of the C gene of bacteriophage Mu, the positive regulator of Mu late transcription. Margolin W, et al. **Nucleic Acids Res** 1986 Jun 25;14(12):4881–97
Preferential transcription of HTLV-I LTR in cell-free extracts of human T cells producing HTLV-I viral proteins. Matsunami N, et al. **Nucleic Acids Res** 1986 Jun 25;14(12):4779–86
DNA sequence of the control region of phage D108: the N-terminal amino acid sequences of repressor and transposase are similar both in phage D108 and in its relative, phage Mu. Mizuuchi M, et al. **Nucleic Acids Res** 1986 May 12;14(9):3813–25
Structure of the gene for Xenopus transcription factor TFIIIA. Tso JY, et al. **Nucleic Acids Res** 1986 Mar 11; 14(5):2187–200
Nucleotide sequence of the CytR regulatory gene of E. coli K-12. Valentin-Hansen P, et al. **Nucleic Acids Res** 1986 Mar 11;14(5):2215–28
TFIIIA and homologous genes. The 'finger' proteins. Vincent A. **Nucleic Acids Res** 1986 Jun 11;14(11):4385–91
Tn10 tet operator mutations affecting Tet repressor recognition. Wissmann A, et al. **Nucleic Acids Res** 1986 May 27;14(10):4253–66
Herpes simplex virus immediate early infected-cell polypeptide 4 binds to DNA and promotes transcription. Beard P, et al. **Proc Natl Acad Sci USA** 1986 Jun; 83(11):4016–20
Gene control in broad host range plasmid RK2: expression, polypeptide product, and multiple regulatory functions of korB. Bechhofer DH, et al. **Proc Natl Acad Sci USA** 1986 Jan;83(2):394–8
Gene encoding the sigma 37 species of RNA polymerase sigma factor from Bacillus subtilis. Binnie C, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(16):5943–7
Regulation of bacteriophage P2 late-gene expression: the ogr gene. Christie GE, et al. **Proc Natl Acad Sci USA** 1986 May;83(10):3238–42
Rearrangement mutations on the 5' side of the qa-2 gene of Neurospora implicate two regions of qa-1F activator-protein interaction. Geever RF, et al.

Proc Natl Acad Sci USA 1986 Jun;83(11):3944–8
The qa repressor gene of Neurospora crassa: wild-type and mutant nucleotide sequences. Huiet L, et al.
Proc Natl Acad Sci USA 1986 May;83(10):3381–5
Transcription of glnA by purified Escherichia coli components: core RNA polymerase and the products of glnF, glnG, and glnL. Hunt TP, et al.
Proc Natl Acad Sci USA 1985 Dec;82(24):8453–7
Functional domains of the yeast regulatory protein GAL4. Johnston SA, et al. Proc Natl Acad Sci USA 1986 Sep; 83(17):6553–7
Catabolite-resistant sporulation (crsA) mutations in the Bacillus subtilis RNA polymerase sigma 43 gene (rpoD) can suppress and be suppressed by mutations in spo0 genes. Kawamura F, et al. Proc Natl Acad Sci USA 1985 Dec; 82(23):8124–8
Alpha 4, the major regulatory protein of herpes simplex virus type 1, is stably and specifically associated with promoter-regulatory domains of alpha genes and of selected other viral genes. Kristie TM, et al.
Proc Natl Acad Sci USA 1986 May;83(10):3218–22
DNA-binding site of major regulatory protein alpha 4 specifically associated with promoter-regulatory domains of alpha genes of herpes simplex virus type 1. Kristie TM, et al. Proc Natl Acad Sci USA 1986 Jul;83(13):4700–4
The DNA loop model for ara repression: AraC protein occupies the proposed loop sites in vivo and repression-negative mutations lie in these same sites. Martin K, et al. Proc Natl Acad Sci USA 1986 Jun;83(11):3654–8
Cis-acting sequences responsible for the transcriptional activation of human T-cell leukemia virus type I constitute a conditional enhancer. Paskalis H, et al.
Proc Natl Acad Sci USA 1986 Sep;83(17):6558–62
Transcriptional activation encoded by the v-fos gene. Setoyama C, et al. Proc Natl Acad Sci USA 1986 May; 83(10):3213–7
Multiple cis-acting elements modulate the translational efficiency of GCN4 mRNA in yeast. Tzamarias D, et al.
Proc Natl Acad Sci USA 1986 Jul;83(13):4849–53
korA function of promiscuous plasmid RK2: an autorepressor that inhibits expression of host-lethal gene kilA and replication gene trfA. Young C, et al.
Proc Natl Acad Sci USA 1985 Nov;82(21):7374–8
Binding of the Sp1 transcription factor by the human Harvey ras1 proto-oncogene promoter. Ishii S, et al. Science 1986 Jun 13;232(4756):1410–3
Systematic variation in DNA length yields highly ordered repressor-operator cocrystals. Jordan SR, et al. Science 1985 Dec 20;230(4732):1383–5
Separation of DNA binding from the transcription-activating function of a eukaryotic regulatory protein. Keegan L, et al. Science 1986 Feb 14;231(4739):699–704
[Mapping of interactions of bacteriophage lambda cro-repressor with nonspecific DNA using a method of DNA-protein chemical cross-linking] Ebralidze KK, et al. Dokl Akad Nauk SSSR 1986;287(4):1013–6 (Rus)
[Specificity of binding of regulatory proteins with DNA: possible explanation in terms of "point" interactions] Gul'biev AP, et al. Mol Biol (Mosk) 1986 May-Jun; 20(3):827–37 (Eng. Abstr.) (Rus)

ISOLATION & PURIFICATION

Bacteriophage P22 Cro protein: sequence, purification, and properties. Poteete AR, et al. Biochemistry 1986 Jan 14; 25(1):251–6
Homologous recognition of a promoter domain common to the MSV LTR and the HSV tk gene. Graves BJ, et al. Cell 1986 Feb 28;44(4):565–76
Partial purification and characterization of the Saccharomyces cerevisiae transcription factor TFIIIB. Klekamp MS, et al. J Biol Chem 1986 Feb 25; 261(6):2819–27
Purification and characterization of a specific RNA polymerase II transcription factor. Samuels M, et al.
J Biol Chem 1986 Feb 15;261(5):2003–13
Stimulation of sea urchin H2B histone gene transcription by a chromatin-associated protein fraction depends on gene sequences downstream of the transcription start site. Mous J, et al. Mol Cell Biol 1985 Oct;5(10):2764–9
Purification and characterization of the CopB replication control protein, and precise mapping of its target site in the R1 plasmid. Riise E, et al. Plasmid 1986 May; 15(3):163–71
Purification and biochemical characterization of the promoter-specific transcription factor, Sp1. Briggs MR, et al. Science 1986 Oct 3;234(4772):47–52

METABOLISM

Free RNA-dependent ATPase activity of transcription termination factor Rho: a model of cyclic dissociation and reassembly of Rho protein. Wolska KI.
Acta Microbiol Pol 1986;35(1–2):29–41
Escherichia coli proteins involved in regulation of transcription termination: function, structure, and expression of the nusA and nusB genes. Imamoto F, et al. Adv Biophys 1986;21:175–92
Transcription signals and factors in Escherichia coli. Ishihama A. Adv Biophys 1986;21:163–73
Yeast class III gene transcription factors and homologous RNA polymerase III form ternary transcription complexes stable to disruption by N-lauroyl-sarcosine (sarcosyl). Klekamp MS, et al. Arch Biochem Biophys 1986 May 1; 246(2):783–800
A triple complex between transcription factor IIIA, a Xenopus gene for 5S RNA and the histone octamer. Rhodes D. Biochem Soc Trans 1986 Apr;14(2):221–2
Thermodynamic analysis of the lactose repressor-operator DNA interaction. Whitson PA, et al. Biochemistry 1986 Jul 1;25(13):3852–8
Dissociation of the lactose repressor-operator DNA complex: effects of size and sequence context of operator-containing DNA. Whitson PA, et al.
Biochemistry 1986 Jul 1;25(13):3845–52
Effect of mic gene structure on repressor activity in the OmpA system. Green PJ, et al. Biochimie 1985 Jul-Aug; 67(7–8):763–7
Determination of protein structures from nuclear magnetic resonance data using a restrained molecular dynamics approach: the lac repressor DNA binding domain. Zuiderweg ER, et al. Biochimie 1985 Jul-Aug; 67(7–8):707–15
Two-dimensional 1H-nmr studies on the lac repressor DNA binding domain: further resonance assignments and identification of nuclear Overhauser enhancements. Zuiderweg ER, et al. Biopolymers 1985 Dec;24(12):2257–77
A positive transcription factor controls the differential expression of two 5S RNA genes. Brown DD, et al.
Cell 1985 Oct;42(3):759–67
An RNA polymerase II transcription factor binds to an upstream element in the adenovirus major late promoter. Carthew RW, et al. Cell 1985 Dec;43(2 Pt 1):439–48
A repeated 18 bp sequence motif in the mouse rDNA spacer mediates binding of a nuclear factor and transcription termination. Grummt I, et al. Cell 1986 Jun 20;45(6):837–46
Cooperative binding of lambda repressors to sites separated by integral turns of the DNA helix. Hochschild A, et al. Cell 1986 Mar 14;44(5):681–7
GCN4 protein, synthesized in vitro, binds HIS3 regulatory sequences: implications for general control of amino acid biosynthetic genes in yeast. Hope IA, et al. Cell 1985 Nov; 43(1):177–88
Human rRNA transcription is modulated by the coordinate binding of two factors to an upstream control element. Learned RM, et al. Cell 1986 Jun 20;45(6):847–57
Transcription of glnA in E. coli is stimulated by activator bound to sites far from the promoter. Reitzer LJ, et al. Cell 1986 Jun 20;45(6):785–92
An underlying repeat in some transcriptional control sequences corresponding to half a double helical turn of DNA. Rhodes D, et al. Cell 1986 Jul 4;46(1):123–32
In vitro binding of LexA repressor to DNA: evidence for the involvement of the amino-terminal domain. Hurstel S, et al. EMBO J 1986 Apr;5(4):793–8
Structural analysis of a triple complex between the histone octamer, a Xenopus gene for 5S RNA and transcription factor IIIA. Rhodes D. EMBO J 1985 Dec 16; 4(13A):3473–82
Adenovirus stimulation of transcription by RNA polymerase III: evidence for an E1A-dependent increase in transcription factor IIIC concentration. Yoshinaga S, et al. EMBO J 1986 Feb;5(2):343–54
The interaction of the trp repressor from Escherichia coli with L-tryptophan and indole propanoic acid. Lane AN. Eur J Biochem 1986 Jun 2;157(2):405–13
In vitro study of the interaction of the LexA repressor and the UvrC protein with a uvrC regulatory region. Granger-Schnarr M, et al. FEBS Lett 1986 Mar 17; 198(1):61–5
Energetics of interaction of oligopeptide (lac 53–57) with DNA base sequences and origin of sequence-specific recognition. Kalia A, et al. FEBS Lett 1986 Jan 20; 195(1–2):48–52
Escherichia coli Rho factor is involved in lysis of bacteriophage T4-infected cells. Linder CH, et al.
Genetics 1985 Oct;111(2):197–218
Exposed tyrosine residues of lambda cro repressor protein evidenced by nitration and photo CIDNP experiments. Shirakawa M, et al. J Biochem (Tokyo) 1985 Sep; 98(3):799–805
Characterization of RNA-protein interactions in 7 S ribonucleoprotein particles from Xenopus laevis oocytes. Andersen J, et al. J Biol Chem 1986 Feb 25;261(6):2912–7
Interaction of the Escherichia coli trp aporepressor with its ligand, L-tryptophan. Arvidson DN, et al. J Biol Chem 1986 Jan 5;261(1):238–43
Effects of tRNATyr point mutations on the binding of yeast RNA polymerase III transcription factor C. Baker RE, et al. J Biol Chem 1986 Apr 25;261(12):5275–82
DNA binding by the bacteriophage SPO1-encoded type II DNA-binding protein, transcription factor 1. Site-specific binding requires 5-hydroxymethyluracil-containing DNA. Greene JR, et al. J Biol Chem 1986 Sep 25;261(27):12828–33
DNA binding by the bacteriophage SPO1-encoded type II DNA-binding protein, transcription factor 1. Formation of nested complexes at a selective binding site. Greene JR, et al. J Biol Chem 1986 Sep 25;261(27):12820–7
DNA-activated ATPase activity associated with Xenopus transcription factor A. Hazuda DJ, et al. J Biol Chem 1986 Sep 15;261(26):12202–8
Structural studies on the eukaryotic chain initiation factor 2 from rabbit reticulocytes and brine shrimp Artemia embryos. Phosphorylation by the heme-controlled repressor and casein kinase II. Mehta HB, et al.
J Biol Chem 1986 May 25;261(15):6705–11
Assembly of a yeast 5 S RNA gene transcription complex. Segall J. J Biol Chem 1986 Sep 5;261(25):11578–84
Binding of Drosophila heat-shock gene transcription factor to the hsp 70 promoter. Evidence for symmetric and dynamic interactions. Shuey DJ, et al. J Biol Chem 1986 Jun 15;261(17):7934–40
Different interactions used by Cro repressor in specific and nonspecific DNA binding. Takeda Y, et al.
J Biol Chem 1986 Jul 5;261(19):8608–16
Ligand-mediated conformational changes in Trp repressor protein of Escherichia coli probed through limited proteolysis and the use of specific antibodies. Tsapakos MJ, et al. J Biol Chem 1985 Dec 25;260(30):16383–94
Association of RNA polymerase III with transcription factors in the absence of DNA. Wingender E, et al.
J Biol Chem 1986 Jan 25;261(3):1409–13
The positive transcription factor of the 5S RNA gene proteolyses during direct exchange between 5S DNA sites. Kmiec EB, et al. J Cell Biol 1986 Sep;103(3):673–81
Interaction of spatial diffusion and delays in models of genetic control by repression. Busenberg S, et al. J Math Biol 1985; 22(3):313–33
Electron-microscopic examination of the binding of a large RNA polymerase III transcription factor to a tRNA gene. Stillman DJ, et al. J Mol Biol 1985 Sep 20;185(2):451–5
Kinetic and equilibrium characterization of the Tet repressor-tetracycline complex by fluorescence measurements. Evidence for divalent metal ion requirement and energy transfer. Takahashi M, et al. J Mol Biol 1986 Feb 5;187(3):341–8
Expression of an Escherichia coli flagellin gene, hag48, in the presence of a Salmonella H1-repressor. Enomoto M, et al. MGG 1985;201(1):133–5
Effect of mutations in the RNA polymerase gene and that of the transcription termination factor rho on expression of the Escherichia coli galactose operon with an IS2 polar insertion. Yarulin VR, et al. MGG 1985;201(2):344–6
DNA loops induced by cooperative binding of lambda repressor. Griffith J, et al. Nature 1986 Aug 21–27; 322(6081):750–2
The crystal structure of d(GGATGGGAG) forms an essential part of the binding site for transcription factor IIIA. McCall M, et al. Nature 1986 Aug 14–20; 322(6080):661–4
Selective proteolysis defines two DNA binding domains in yeast transcription factor tau. Marzouki N, et al.
Nature 1986 Sep 11–17;323(6084):176–8
Localisation and characterization of a new rho-dependent transcription terminator from bacteriophage T5. Brunel F, et al. Nucleic Acids Res 1985 Nov 11;13(21):7687–701
Interaction of the tight-binding I12-X86 lac repressor with non operator DNA: salt dependence of complex formation. Grebert P, et al. Nucleic Acids Res 1986 Aug 26; 14(16):6613–20
Mechanism of autonomous control of the Escherichia coli F plasmid: different complexes of the initiator/repressor protein are bound to its operator and to an F plasmid replication origin. Masson L, et al. Nucleic Acids Res 1986 Jul 25;14(14):5693–711
Analysis of the RNA structural elements involved in the binding of the transcription factor III A from Xenopus laevis. Pieler T, et al. Nucleic Acids Res 1986 Aug 11; 14(15):6313–26
Protein factor(s) binding independently to two different regions of the adenovirus 2 major late promoter. Shi XP, et al. Nucleic Acids Res 1986 May 12;14(9):3729–44
Specificity of the interaction between lambda cro repressor protein and operator DNA fragments. Lee SJ, et al.
Nucleic Acids Symp Ser 1985;(16):33–6
Footprinting of ribosomal RNA genes by transcription initiation factor and RNA polymerase I. Bateman E, et al. Proc Natl Acad Sci USA 1985 Dec;82(23):8004–8
The chicken delta 1-crystallin gene promoter: binding of transcription factor(s) to the upstream G+C-rich region is necessary for promoter function in vitro. Das GC, et al. Proc Natl Acad Sci USA 1986 May;83(10):3131–5
lac Repressor blocks transcribing RNA polymerase and terminates transcription. Deuschle U, et al.
Proc Natl Acad Sci USA 1986 Jun;83(12):4134–7
Evidence for a contact between glutamine-18 of lac repressor and base pair 7 of lac operator. Ebright RH.
Proc Natl Acad Sci USA 1986 Jan;83(2):303–7
Identification of the binding site on 5S rRNA for the transcription factor IIIA: proposed structure of a common binding site on 5S rRNA and on the gene. Huber PW, et al. Proc Natl Acad Sci USA 1986 Mar;83(6):1593–7
Hydroxyl radical "footprinting": high-resolution information about DNA-protein contacts and application to lambda repressor and Cro protein. Tullius TD, et al.
Proc Natl Acad Sci USA 1986 Aug;83(15):5469–73
Bidirectional SV40 transcription mediated by tandem Sp1 binding interactions. Gidoni D, et al. Science 1985 Nov 1;230(4725):511–7
E1A transcription induction: enhanced binding of a factor to upstream promoter sequences. Kovesdi I, et al.
Science 1986 Feb 14;231(4739):719–22
[NMR study of the OR1 operator from phage lambda and its specific complex with CRO-repressor] Kirpichnikov MP, et al. Dokl Akad Nauk SSSR 1986;286(4):1005–8 (Rus)
[Crystals of a nonspecific complex of cro-repressor with

DNA] Malinina LV, et al. **Dokl Akad Nauk SSSR** 1985 Sep-Oct;284(1):229-32 (Rus)

PHARMACODYNAMICS

The effect of the trp repressor from Escherichia coli on the structure and dynamics of dA20dT20. Lane AN, et al. **Biochim Biophys Acta** 1986 May 27;867(1-2):45-56

Nuclear extracts from globin-synthesizing cells enhance globin transcription in vitro. Bazett-Jones DP, et al. **Nature** 1985 Oct 31-Nov 6;317(6040):824-8

Homoeo-domain homology in yeast MAT alpha 2 is essential for repressor activity. Porter SD, et al. **Nature** 1986 Apr 24-30;320(6064):766-8

Activation of the AIDS retrovirus promoter by the cellular transcription factor, Sp1. Jones KA, et al. **Science** 1986 May 9;232(4751):755-9

PHYSIOLOGY

5S RNA gene specific transcription factor (TFIIIA) changes the linking number of the DNA. Shastry BS. **Biochem Biophys Res Commun** 1986 Feb 13;134(3):1086-92

Regulation of methionine synthesis in Escherichia coli: effect of metJ gene product and S-adenosylmethionine on the in vitro expression of the metB, metL and metJ genes. Shoeman R, et al. **Biochem Biophys Res Commun** 1985 Dec 17;133(2):731-9

Repression of bovine papilloma virus replication is mediated by a virally encoded trans-acting factor. Berg L, et al. **Cell** 1986 Aug 29;46(5):753-62

Sequence-specific interactions of nuclear factors with the insulin gene enhancer. Ohlsson H, et al. **Cell** 1986 Apr 11; 45(1):35-44

Assembly and propagation of repressed and depressed chromosomal states. Weintraub H. **Cell** 1985 Oct; 42(3):705-11 (78 ref.)

Rho-dependent transcription termination in the tryptophanase operon leader region of Escherichia coli K-12. Stewart V, et al. **J Bacteriol** 1986 Apr;166(1):217-23

Xenopus transcription factor A promotes DNA reassociation. Hanas JS, et al. **J Biol Chem** 1985 Oct 25;260(24):13316-20

Positive and negative regulation of the Mu operator by Mu repressor and Escherichia coli integration host factor. Krause HM, et al. **J Biol Chem** 1986 Mar 15;261(8):3744-52

Activation of enhancer sequences in type II human T-cell leukemia virus and bovine leukemia virus long terminal repeats by virus-associated trans-acting regulatory factors. Rosen CA, et al. **J Virol** 1986 Mar;57(3):738-44

Growth-dependent regulation of rRNA synthesis is mediated by a transcription initiation factor (TIF-IA). Buttgereit D, et al. **Nucleic Acids Res** 1985 Nov 25;13(22):8165-80

Interaction between two transcriptional control sequences required for tumor-antigen-mediated simian virus 40 late gene expression. Brady J, et al. **Proc Natl Acad Sci USA** 1985 Nov;82(21):7299-303

Tubulin: a factor necessary for the synthesis of both Sendai virus and vesicular stomatitis virus RNAs. Moyer SA, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(15):5405-9

Regulatory mechanisms for induction of synthesis of repair enzymes in response to alkylating agents: ada protein acts as a transcriptional regulator. Nakabeppu Y, et al. **Proc Natl Acad Sci USA** 1986 Sep;83(17):6297-301

Location of cis-acting regulatory sequences in the human T-cell leukemia virus type I long terminal repeat. Rosen CA, et al. **Proc Natl Acad Sci USA** 1985 Oct;82(19):6502-6

Interaction of a common factor with conserved promoter and enhancer sequences in histone H2B, immunoglobulin, and U2 small nuclear RNA (snRNA) genes. Sive HL, et al. **Proc Natl Acad Sci USA** 1986 Sep;83(17):6382-6

A labile inhibitor blocks immunoglobulin kappa-light-chain-gene transcription in a pre-B leukemic cell line. Wall R, et al. **Proc Natl Acad Sci USA** 1986 Jan; 83(2):295-8

Multiple DNA-protein interactions governing high-precision DNA transactions. Echols H. **Science** 1986 Sep 5; 233(4768):1050-6

RADIATION EFFECTS

Photochemical modifications of lac repressor: effect of effectors binding on tryptophan photooxidation. Spodheim-Maurizot M, et al. **Photochem Photobiol** 1985 Oct;42(4):353-9

TRANSCRIPTION, GENETIC

see related

TRANSCRIPTION FACTORS

Cloning and characterization of a Novikoff hepatoma ribosomal DNA-fragment containing the initiation site of transcription. Financsek I, et al. **Acta Biochim Biophys Acad Sci Hung** 1984;19(3-4):185-92

Negative control of transcription by cAMP and cAMP receptor protein in Escherichia coli. Aiba H. **Adv Biophys** 1986;21:193-204

Escherichia coli proteins involved in regulation of transcription termination: function, structure, and expression of the nusA and nusB genes. Imamoto F, et al. **Adv Biophys** 1986;21:175-92

Transcription signals and factors in Escherichia coli. Ishihama A. **Adv Biophys** 1986;21:163-73

Transcription signals and factors of the silk genes. Suzuki Y, et al. **Adv Biophys** 1986;21:205-15

Molecular mechanism of tissue-specific expression of alpha-crystallin gene. Yasuda K, et al. **Adv Biophys** 1986; 21:229-38

Genetic engineering of human interferons from lymphoblastoid cells: II. Construction of trp expression plasmids and their use for efficient expression of IFN-alpha J1. Shafferman A, et al. **Adv Biotechnol Processes** 1985; 4:25-57 (88 ref.)

Expression of human and mouse HPRT minigenes. Chang SM, et al. **Adv Exp Med Biol** 1986;195 Pt A:231-6

Expression defects of mutant human adenosine deaminase. Daddona PE, et al. **Adv Exp Med Biol** 1986;195 Pt A:217-22

Expression of murine ADA cDNA in bacterial and mammalian cells. Ingolia DE, et al. **Adv Exp Med Biol** 1986;195 Pt A:223-9

Role of dATP in the inhibition of nucleic acid synthesis in isolated nuclei. Matsumoto SS, et al. **Adv Exp Med Biol** 1986;195 Pt A:537-40

The notion of primordial building blocks in construction of genes and transcriptional and processing errors due to random occurrence of oligonucleotide signal sequences. Ohno S. **Adv Exp Med Biol** 1985;190:627-36

Analysis of the transcriptional regulatory sequences in the CHO APRT gene. Park JH, et al. **Adv Exp Med Biol** 1986; 195 Pt A:259-64

Glucocerebrosidase "processing" and gene expression in various forms of Gaucher disease. Beutler E, et al. **Am J Hum Genet** 1985 Nov;37(6):1062-70

Screening of lambda library for differentially expressed genes using in vitro transcripts. Love JD, et al. **Anal Biochem** 1985 Nov 1;150(2):429-41

Detection of transcription and translation in situ with biotinylated molecular probes in cells transfected with recombinant DNA plasmids. Smith GH, et al. **Anal Biochem** 1986 Jul;156(1):17-24

Tissue-specific gene expression in mouse F9 embryonal carcinoma cells: type IV collagen. Kurkinen M, et al. **Ann NY Acad Sci** 1985;460:267-73

Chemical synthesis, cloning, and expression of genes for human somatomedin C (insulin-like growth factor I) and 59Val-somatomedin C. Niwa M, et al. **Ann NY Acad Sci** 1986;469:31-52

Short-chain collagen genes and their expression in cartilage. Olsen BR, et al. **Ann NY Acad Sci** 1985;460:141-53

The chicken vimentin gene: aspects of organization and transcription during myogenesis. Zehner ZE, et al. **Ann NY Acad Sci** 1985;455:79-94 (24 ref.)

Discontinuous transcription and antigenic variation in trypanosomes. Borst P. **Annu Rev Biochem** 1986;55:701-32 (161 ref.)

Transcription termination and the regulation of gene expression. Platt T. **Annu Rev Biochem** 1986;55:339-72 (226 ref.)

Transcription of cloned eukaryotic ribosomal RNA genes. Sollner-Webb B, et al. **Annu Rev Biochem** 1986;55:801-30 (234 ref.)

The regulation of transcription initiation in bacteria. Reznikoff WS, et al. **Annu Rev Genet** 1985;19:355-87 (155 ref.)

Steroid receptor regulated transcription of specific genes and gene networks. Yamamoto KR. **Annu Rev Genet** 1985; 19:209-52 (231 ref.)

Cloning and constitutive expression of the N-acetylneuraminate lyase gene of Escherichia coli. Aisaka K, et al. **Appl Environ Microbiol** 1986 Mar;51(3):562-5

Characterization of the DNA of the hamster papovavirus: IV. Transcription mapping of calf-thymus DNA polymerase II. Vogel F, et al. **Arch Geschwulstforsch** 1986; 56(2):81-7

Changes in genetic organization and expression in aging cells. Goldstein S, et al. **Basic Life Sci** 1985;35:255-67

Prediction of transcriptional activity based on gene association with the nuclear matrix. Buttyan R, et al. **Biochem Biophys Res Commun** 1986 Aug 14;138(3):1334-40

Detection of a potential transcription control sequence on the cauliflower mosaic virus genome by dinucleotide primed "in vitro" transcription.Cooke R, et al. **Biochem Biophys Res Commun** 1986 Jul 16;138(1):17-23

Transcription of repeat DNA in vitro by RNA polymerase III in cytosol extracts is inhibited when the extract is of the same species as the DNA. Furth JJ. **Biochem Biophys Res Commun** 1985 Sep 16;131(2):551-6

Transcriptional regulation of the transferrin receptor in differentiating HL-60 leukemic cells. Ho PT, et al. **Biochem Biophys Res Commun** 1986 Jul 31;138(2):995-1000

Evidence that transcription of the hexokinase gene is increased in a rapidly growing rat hepatoma. Johansson T, et al. **Biochem Biophys Res Commun** 1985 Dec 17; 133(2):608-13

Heat shock stress initiates simultaneous transcriptional and translational changes in the dog heart. Lai YK, et al. **Biochem Biophys Res Commun** 1986 Jan 14;134(1):166-71

In vitro transcription of a chromatin-like complex of major core protein VII and DNA of adenovirus serotype 2. Nakanishi Y, et al. **Biochem Biophys Res Commun** 1986 Apr 14;136(1):86-93

Transcriptional regulation of fibroblast collagen synthesis by activated mononuclear cell supernatants. Narayanan AS, et al. **Biochem Biophys Res Commun** 1985 Sep 16; 131(2):1028-32

Transcription but not translation is required for EDTA-induced autolysis in Escherichia coli. Prasad KS, et al. **Biochem Biophys Res Commun** 1986 Jan 14; 134(1):338-43

5S RNA gene specific transcription factor (TFIIIA) changes the linking number of the DNA. Shastry BS. **Biochem Biophys Res Commun** 1986 Feb 13;134(3):1086-92

Detection of a countertranscript in promyelocytic leukemia cells HL60 during early differentiation by TPA. Soma G, et al. **Biochem Biophys Res Commun** 1985 Oct 15; 132(1):100-9

Hepatitis B virus transcripts in a human hepatoma cell line, Hep 3B. Su TS, et al. **Biochem Biophys Res Commun** 1986 Jul 16;138(1):131-8

Expression of the c-Ha-ras and c-myc genes in aflatoxin B1-induced hepatocellular carcinomas. Tashiro F, et al. **Biochem Biophys Res Commun** 1986 Jul 31;138(2):858-64

Regulation of prostatic genes: role of androgens and zinc in gene expression. Matusik RJ, et al. **Biochem Cell Biol** 1986 Jun;64(6):601-7

Independent expression of the two mouse adult beta-globin genes. Wawrzyniak CJ, et al. **Biochem Genet** 1986 Apr; 24(3-4):259-72

Control of rRNA transcription in liver of mice exposed to nutritional changes: initiation frequency may be a regulatory mechanism. Haim-Muchnik L, et al. **Biochem Int** 1986 Jun;12(6):821-9

Bacteriophage P22 helps bacteriophage MB78 to overcome the transcription inhibition in rifampicin resistant mutant of Salmonella typhimurium. Verma M, et al. **Biochem Int** 1985 Aug;11(2):177-86

Transcription of Rhodospirillum rubrum atp operon. Falk G, et al. **Biochem J** 1985 Aug 1;229(3):663-8

Mechanism of activation of transcription by the complex formed between cyclic AMP and its receptor in Escherichia coli. Buc H. **Biochem Soc Trans** 1986 Apr; 14(2):196-9

Intermediates in transcription initiation and propagation. Straney DC, et al. **Biochem Soc Trans** 1986 Apr;14(2):195-6

Transcription from bacteriophage T7 and SP6 RNA polymerase promoters in the presence of 3'-deoxyribonucleoside 5'-triphosphate chain terminators. Axelrod VD, et al. **Biochemistry** 1985 Oct 8;24(21):5716-23

Bovine steroid 21-hydroxylase: regulation of biosynthesis. John ME, et al. **Biochemistry** 1986 May 20;25(10):2846-53

Solubility and structure of domains of chicken erythrocyte chromatin containing transcriptionally competent and inactive genes. Komaiko W, et al. **Biochemistry** 1985 Feb 26;24(5):1186-93

Apolipoprotein E gene mapping and expression: localization of the structural gene to human chromosome 19 and expression of ApoE mRNA in lipoprotein- and non-lipoprotein-producing tissues. Lin-Lee YC, et al. **Biochemistry** 1985 Jul 2;24(14):3751-6

Cloning, expression, and purification of gene 3 endonuclease from bacteriophage T7. Pham TT, et al. **Biochemistry** 1985 Sep 24;24(20):5672-7

Rat growth hormone gene expression is correlated with an unmethylated CGCG sequence near the transcription initiation site. Strobl JS, et al. **Biochemistry** 1986 Jun 17; 25(12):3640-8

Purification of a cytosolic factor from rat liver that stimulates transcription in isolated nuclei and its action on purified RNA polymerase II-DNA system. Iizuka K, et al. **Biochim Biophys Acta** 1985 Dec 18;826(4):155-66

DNA sequences homologous to long double-stranded RNA. Transcription of intracisternal A-particle genes and major long repeat of the mouse genome. Kramerov DA, et al. **Biochim Biophys Acta** 1985 Oct 3;826(1):20-9

A Drosophila RNA polymerase II cell-free DNA-dependent transcription system. McLachlan A, et al. **Biochim Biophys Acta** 1986 Feb 24;866(1):83-8

Transcription of the chloroplast DNA: a review. Briat JF, et al. **Biochimie** 1986 Jul-Aug;68(7-8):981-90

Prokaryotic gene expression in vitro: transcription-translation coupled systems. Cenatiempo Y. **Biochimie** 1986 Apr;68(4):505-15 (105 ref.)

Transcription of integrated MMTV LTR DNA in fibroblast clones is not associated with DNA methylation but with the integration site. Devaux B, et al. **Biochimie** 1985 Jul-Aug;67(7-8):853-60

In vitro RNA synthesis by viruses isolated from the yeast Yarrowia lipolytica. Treton B, et al. **Biochimie** 1986 Jul-Aug;68(7-8):991-9

Sine waves enhance cellular transcription. Goodman R, et al. **Bioelectromagnetics** 1986;7(1):23-9

Different patterns of transposable elements in the vicinity of tRNA genes in yeast: a possible clue to transcriptional modulation. Nelböck P, et al. **Biol Chem Hoppe Seyler** 1985 Nov;366(11):1041-51

Theoretical evaluation of transcriptional pausing effect on the attenuation in trp leader sequence. Suzuki H, et al. **Biophys J** 1986 Feb;49(2):425-35

Post-meiotic transcription of phosphoglycerate-kinase 2 in mouse testes. Erickson RP, et al. **Biosci Rep** 1985 Dec; 5(12):1087-91

Putative repressor binding sites in the regions mediating transcriptional control of viral and cellular genes. Renan MJ. **Biosci Rep** 1985 Sep;5(9):739-53

Genetic engineering in Bacillus subtilis. Doi RH. **Biotechnol Genet Eng Rev** 1984;2:121-55 (105 ref.)

Expression of a cloned Lepore globin gene. Dobkin C, et al. **Blood** 1986 Jan;67(1):168-72

In vitro stimulation of specific RNA polymerase II–mediated transcription by the pseudorabies virus immediate early protein. Ahmayr SM, et al. **Cell** 1985 Dec;43(3 Pt 2):821–9

The steps of reverse transcription of Drosophila mobile dispersed genetic elements and U3–R–U5 structure of their LTRs. Arkhipova IR, et al. **Cell** 1986 Feb 28;44(4):555–63

The stability of E. coli gene transcripts is dependent on determinants localized to specific mRNA segments. Belasco JG, et al. **Cell** 1986 Jul 18;46(2):245–51

A eukaryotic transcriptional activator bearing the DNA specificity of a prokaryotic repressor. Brent R, et al. **Cell** 1985 Dec;43(3 Pt 2):729–36

A positive transcription factor controls the differential expression of two 5S RNA genes. Brown DD, et al. **Cell** 1985 Oct;42(3):759–67

Novel recombinations in the maize mitochondrial genome produce a unique transcriptional unit in the Texas male–sterile cytoplasm. Dewey RE, et al. **Cell** 1986 Feb 14;44(3):439–49

Parameters controlling transcriptional activation during early Drosophila development. Edgar BA, et al. **Cell** 1986 Mar 28;44(6):871–7

The yeast STE12 product is required for expression of two sets of cell–type specific genes. Fields S, et al. **Cell** 1985 Oct;42(3):923–30

Translational control of transcription in eukaryotes. Fink GR. **Cell** 1986 Apr 25;45(2):155–6

A tissue–specific transcription enhancer from the Drosophila yolk protein 1 gene. Garabedian MJ, et al. **Cell** 1986 Jun 20;45(6):859–67

During B–cell differentiation enhancer activity and transcription rate of immunoglobulin heavy chain genes are high before mRNA accumulation. Gerster T, et al. **Cell** 1986 Apr 11;45(1):45–52

Topoisomerase I interacts with transcribed regions in Drosophila cells. Gilmour DS, et al. **Cell** 1986 Feb 14; 44(3):401–7

A repeated 18 bp sequence motif in the mouse rDNA spacer mediates binding of a nuclear factor and transcription termination. Grummt I, et al. **Cell** 1986 Jun 20;45(6):837–46

Transcription of mouse rDNA terminates downstream of the 3' end of 28S RNA and involves interaction of factors with repeated sequences in the 3' spacer. Grummt I, et al. **Cell** 1985 Dec;43(3 Pt 2):801–10

The SV40 enhancer is composed of multiple functional elements that can compensate for one another. Herr W, et al. **Cell** 1986 May 9;45(3):461–70

Translational and transcriptional control elements in the untranslated leader of the heat–shock gene hsp22. Hultmark D, et al. **Cell** 1986 Feb 14;44(3):429–38

The role of DNA–mediated transfer of TFIIIA in the concerted gyration and differential activation of the Xenopus 5S RNA genes. Kmiec EB, et al. **Cell** 1986 Apr 25;45(2):209–18

The presence of nucleosomes on a DNA template prevents initiation by RNA polymerase II in vitro. Knezetic JA, et al. **Cell** 1986 Apr 11;45(1):95–104

Identification of a cellular transcription factor involved in E1A trans–activation. Kovesdi I, et al. **Cell** 1986 Apr 25; 45(2):219–28

Human rRNA transcription is modulated by the coordinate binding of two factors to an upstream control element. Learned RM, et al. **Cell** 1986 Jun 20;45(6):847–57

RNP particles at splice junction sequences on Drosophila chorion transcripts. Osheim YN, et al. **Cell** 1985 Nov; 43(1):143–51

Identification of sequences in a yeast histone promoter involved in periodic transcription. Osley MA, et al. **Cell** 1986 May 23;45(4):537–44

Transcription of the human beta–globin gene is stimulated by an SV40 enhancer to which it is physically linked but topologically uncoupled. Plon SE, et al. **Cell** 1986 May 23;45(4):575–80

Changes in the chromatin structure of Drosophila glue genes accompany developmental cessation of transcription in wild type and transformed strains. Ramain P, et al. **Cell** 1986 May 23;45(4):545–53

Transcription of glnA in E. coli is stimulated by activator bound to sites far from the promoter. Reitzer LJ, et al. **Cell** 1986 Jun 20;45(6):785–92

An underlying repeat in some transcriptional control sequences corresponding to half a double helical turn of DNA. Rhodes D, et al. **Cell** 1986 Jul 4;46(1):123–32

Inefficient translation initiation causes premature transcription termination in the lacZ gene. Stanssens P, et al. **Cell** 1986 Mar 14;44(5):711–8

Intermediates in transcription initiation from the E. coli lac UV5 promoter. Straney DC, et al. **Cell** 1985 Dec;43(2 Pt 1):449–59

A bacteriophage RNA polymerase transcribes through a Xenopus 5S RNA gene transcription complex without disrupting it. Wolffe AP, et al. **Cell** 1986 Feb 14;44(3):381–9

Alternative conformations of the ColE1 replication primer modulate its interaction with RNA I. Wong EM, et al. **Cell** 1985 Oct;42(3):959–66

Uneven distribution of cloned transcribed DNA sequences in polytene chromosomes of Drosophila melanogaster. Kolchinsky AM, et al. **Cell Differ** 1986 Mar;18(2):145–9

Giant readthrough transcription units at the histone loci on lampbrush chromosomes of the newt Notophthalmus. Diaz MO, et al. **Chromosoma** 1985;92(4):243–53

Two major RNA products are transcribed from heat–shock locus 93D of Drosophila melanogaster. Ryseck RP, et al. **Chromosoma** 1985;93(1):17–20

Localization and expression of transformed DNA sequences within heat shock puffs of Drosophila melanogaster. Simon JA, et al. **Chromosoma** 1985;93(1):26–30

Abnormal RNA synthesis in sex vesicles of tertiary trisomic male mice. Speed RM. **Chromosoma** 1986;93(3):267–70

A transcribed satellite DNA from the bullfrog Rana catesbeiana. Wu ZG, et al. **Chromosoma** 1986;93(4):291–7

Suitability of SP6 RNA polymerase transcripts for in vitro viral diagnosis [letter] Buffone GJ, et al. **Clin Chem** 1985 Dec;31(12):2043–4

Function and expression of ultrabithorax in the Drosophila embryo. Akam ME, et al. **Cold Spring Harbor Symp Quant Biol** 1985;50:195–200

The engrailed locus of Drosophila melanogaster: genetic, developmental, and molecular studies. Ali Z, et al. **Cold Spring Harbor Symp Quant Biol** 1985;50:229–33

The molecular basis of differential gene expression of two 5S RNA genes. Brown DD, et al. **Cold Spring Harbor Symp Quant Biol** 1985;50:549–53

Molecular analysis of the first differentiations in the mouse embryo. Brûlet P, et al. **Cold Spring Harbor Symp Quant Biol** 1985;50:51–7

Regulation of histone gene expression. Busslinger M, et al. **Cold Spring Harbor Symp Quant Biol** 1985;50:665–70

Structure and regulated transcription of DIRS–1: an apparent retrotransposon of Dictyostelium discoideum. Cappello J, et al. **Cold Spring Harbor Symp Quant Biol** 1985;50:759–67

Lineage–specific gene expression in the sea urchin embryo. Davidson EH, et al. **Cold Spring Harbor Symp Quant Biol** 1985;50:321–8

Cell adhesion molecule expression and the regulation of morphogenesis. Edelman GM. **Cold Spring Harbor Symp Quant Biol** 1985;50:877–89

Genetic control of the spatial pattern of selector gene expression in Drosophila. Ingham PW. **Cold Spring Harbor Symp Quant Biol** 1985;50:201–8

Altered morphogenesis and its effects on gene activity in Xenopus laevis embryos. Jamrich M, et al. **Cold Spring Harbor Symp Quant Biol** 1985;50:31–5

Studies on the developmentally regulated expression and amplification of insect chorion genes. Kafatos FC, et al. **Cold Spring Harbor Symp Quant Biol** 1985;50:537–47

Localization of sequences regulating Drosophila chorion gene amplification and expression. Kalfayan L, et al. **Cold Spring Harbor Symp Quant Biol** 1985;50:527–35

Expression of the homeo box gene family in Drosophila. Levine M, et al. **Cold Spring Harbor Symp Quant Biol** 1985; 50:209–22

Elastase I promoter directs expression of human growth hormone and SV40 T antigen genes to pancreatic acinar cells in transgenic mice. Ornitz DM, et al. **Cold Spring Harbor Symp Quant Biol** 1985;50:399–409

Identification of DNA sequences required for the regulation of Drosophila alcohol dehydrogenase gene expression. Posakony JW, et al. **Cold Spring Harbor Symp Quant Biol** 1985;50:515–20

Germ line specificity of P–element transposition and some novel patterns of expression of transduced copies of the white gene. Rubin GM, et al. **Cold Spring Harbor Symp Quant Biol** 1985;50:329–35

A simple gene with a complex pattern of transcription: the alcohol dehydrogenase gene of Drosophila melanogaster. Savakis C, et al. **Cold Spring Harbor Symp Quant Biol** 1985; 50:505–14

Expression of the dorsal gene. Steward R, et al. **Cold Spring Harbor Symp Quant Biol** 1985;50:223–8

Constitutive and coordinately regulated transcription of yeast genes: promoter elements, positive and negative regulatory sites, and DNA binding proteins. Struhl K, et al. **Cold Spring Harbor Symp Quant Biol** 1985;50:489–503

Promoter sequences of murine alpha A crystallin, murine alpha 2(I) collagen or of avian sarcoma virus genes linked to the bacterial chloramphenicol acetyl transferase gene direct tissue–specific patterns of chloramphenicol acetyl transferase expression in transgenic mice. Westphal H, et al. **Cold Spring Harbor Symp Quant Biol** 1985;50:411–6

On the molecular basis of transvection effects and the regulation of transcription. Zachar Z, et al. **Cold Spring Harbor Symp Quant Biol** 1985;50:337–46

Diversity of gene expression in goldfish brain. Kaplan BB, et al. **Comp Biochem Physiol [B]** 1986;83(2):305–8

Attenuation may regulate gene expression in animal viruses and cells. Aloni Y, et al. **CRC Crit Rev Biochem** 1985; 18(4):327–83 (218 ref.)

Control of cellular and viral transcription during adenovirus infection. Nevins JR. **CRC Crit Rev Biochem** 1986; 19(4):307–22 (93 ref.)

Structure and transcription of eukaryotic tRNA genes. Sharp SJ, et al. **CRC Crit Rev Biochem** 1985;19(2):107–44 (204 ref.)

Structure of transcriptionally active chromatin. Yaniv M, et al. **CRC Crit Rev Biochem** 1986;21(1):1–26 (180 ref.)

Bacterial gene expression and biotechnology. Kung HF, et al. **Curr Top Cell Regul** 1985;26:531–42

An in vitro system to measure gene expression based on dipeptide synthesis. Weissbach H. **Curr Top Cell Regul** 1985;26:469–84

The change of specificity, karyotype, and antigen–receptor gene expression is correlated in cytotoxic T–cell lines. Epplen JT, et al. **Curr Top Microbiol Immunol** 1986; 126:69–74

Drosophila melanogaster Ddc gene transcripts are not expressed at high levels during early embryogenesis. Beall CJ, et al. **Dev Biol** 1986 Mar;114(1):258–9

Localization of mRNAs in mouse testes by in situ hybridization: distribution of alpha–tubulin and developmental stage specificity of pro–opiomelanocortin transcripts. Gizang–Ginsberg E, et al. **Dev Biol** 1985 Oct; 111(2):293–305

Timing of transcription and protein synthesis underlying morphogenesis in preimplantation mouse embryos. Kidder GM, et al. **Dev Biol** 1985 Dec;112(2):265–75

Transcriptional inhibition in early chick embryos as a result of polyamine depletion. Löwkvist B, et al. **Dev Biol** 1986 Aug;116(2):291–301

3B55: a repetitious sequence family which is transcribed and proportionately replicated in germ–line polyploid nuclei of Calliphora erythrocephala. Nazimiec M, et al. **Dev Biol** 1986 Jun;115(2):398–406

Poly(A) shortening of coregulated transcripts in Drosophila. Restifo LL, et al. **Dev Biol** 1986 Jun;115(2):507–10

Analysis of gene expression in rapidly developing mutants of Dictyostelium discoideum. Saxe CL 3d, et al. **Dev Biol** 1986 Jun;115(2):407–14

Analysis of the transcription unit adjacent to the 3'–end of the dopa decarboxylase gene in Drosophila melanogaster. Spencer CA, et al. **Dev Biol** 1986 Mar;114(1):260–4

Sequences upstream from the mouse c–mos oncogene may function as a transcription termination signal. McGeady ML, et al. **DNA** 1986 Aug;5(4):289–98

The effects of transcriptional regulatory sequences introduced into a retroviral genome. Stacey DW, et al. **DNA** 1986 Jun;5(3):195–202

Characterization of signals promoting gene expression on the Staphylococcus aureus plasmid pUB110 and development of a gram–positive expression vector system. Zyprian E, et al. **DNA** 1986 Jun;5(3):219–25

Transcriptional activation of a pap pilus virulence operon from uropathogenic Escherichia coli. Båga M, et al. **EMBO J** 1985 Dec 30;4(13B):3887–93

In situ hybridization of immunoglobulin–specific RNA in single cells of the B lymphocyte lineage with radiolabelled DNA probes. Berger CN. **EMBO J** 1986 Jan;5(1):85–93

The URF 5 gene of Chlamydomonas reinhardtii mitochondria: DNA sequence and mode of transcription. Boer PH, et al. **EMBO J** 1986 Jan;5(1):21–8

A transcriptional enhancer with specificity for erythroid cells is located in the long terminal repeat of the Friend murine leukemia virus. Bösze Z, et al. **EMBO J** 1986 Jul; 5(7):1615–23

A GAL family of upstream activating sequences in yeast: roles in both induction and repression of transcription. Bram RJ, et al. **EMBO J** 1986 Mar;5(3):603–8

Expression of c–fos in NIH3T3 cells is very low but inducible throughout the cell cycle. Bravo R, et al. **EMBO J** 1986 Apr;5(4):695–700

Yeast mRNA initiation sites are determined primarily by specific sequences, not by the distance from the TATA element. Chen W, et al. **EMBO J** 1985 Dec 1;4(12):3273–80

Expression of the human proenkephalin gene in mouse pituitary cells: accurate and efficient mRNA production and proteolytic processing. Comb M, et al. **EMBO J** 1985 Dec 1;4(12):3115–22

Promotion of RNA transcription on the insertion element IS30 of E. coli K12. Dalrymple B, et al. **EMBO J** 1985 Oct;4(10):2687–93

Transcription of a transposed trypanosome surface antigen gene starts upstream of the transposed segment. De Lange T, et al. **EMBO J** 1985 Dec 1;4(12):3299–306

Stage–specific expression of a homeo box–containing gene in the non–segmented sea urchin embryo. Dolecki GJ, et al. **EMBO J** 1986 May;5(5):925–30

Structure and cell–specific expression of a cloned human retinol binding protein gene: the 5'–flanking region contains hepatoma specific transcriptional signals. D'Onofrio C, et al. **EMBO J** 1985 Aug;4(8):1981–9

Chromatin structure of transcriptionally active and inactive human c–myc alleles. Dyson PJ, et al. **EMBO J** 1985 Nov; 4(11):2885–91

Structure and expression of the chicken beta nerve growth factor gene. Ebendal T, et al. **EMBO J** 1986 Jul;5(7):1483–7

Chromatin structure of the murine c–myc locus: implications for the regulation of normal and chromosomally translocated genes. Fahrlander PD, et al. **EMBO J** 1985 Dec 1;4(12):3195–202

A transcriptional enhancer sequence of HTLV–I is responsible for trans–activation mediated by p40 chi HTLV–I. Fujisawa J, et al. **EMBO J** 1986 Apr;5(4):713–8

Increased levels of mitochondrial gene expression in rat fibroblast cells immortalized or transformed by viral and cellular oncogenes. Glaichenhaus N, et al. **EMBO J** 1986 Jun;5(6):1261–5

In vitro transcription by Xenopus oocytes RNA polymerase III requires a DNA topoisomerase II activity. Glikin GC, et al. **EMBO J** 1986 Jan;5(1):151–5

Activation of putative transposition intermediate formation in tumor cells. Grigoryan MS, et al. **EMBO J** 1985 Sep; 4(9):2209–15

Modulation of urokinase plasminogen activator gene expression during the transition from quiescent to proliferative state in normal mouse cells. Grimaldi G, et al. **EMBO J** 1986 May;5(5):855–61

Conserved TAAAT motif in vaccinia virus late promoters: overlapping TATA box and site of transcription initiation. Hänggi M, et al. **EMBO J** 1986 May;5(5):1071–6

Transcriptional regulation of interferon-responsive genes is closely linked to interferon receptor occupancy. Hannigan G, et al. **EMBO J** 1986 Jul;5(7):1607–13

Embryonic expression and nuclear localization of Xenopus homeobox (Xhox) gene products. Harvey RP, et al. **EMBO J** 1986 Jun;5(6):1237–44

Regulated expression of repetitive sequences including the identifier sequence during myotube formation in culture. Herget T, et al. **EMBO J** 1986 Apr;5(4):659–64

Characterization of a human gene inducible by alpha- and beta-interferons and its expression in mouse cells. Kelly JM, et al. **EMBO J** 1986 Jul;5(7):1601–6

Proenkephalin A gene expression in bovine adrenal chromaffin cells is regulated by changes in electrical activity. Kley N, et al. **EMBO J** 1986 May;5(5):967–70

The upstream operator of the Escherichia coli galactose operon is sufficient for repression of transcription initiated at the cyclic AMP-stimulated promoter. Kuhnke G, et al. **EMBO J** 1986 Jan;5(1):167–73

The two intervening sequences of human beta- and gamma-globin pre-mRNAs are excised in a preferred temporal order in vitro. Lang KM, et al. **EMBO J** 1985 Aug;4(8):1991–6

Major light-harvesting polypeptides encoded in polycistronic transcripts in a eukaryotic alga. Lemaux PG, et al. **EMBO J** 1985 Aug;4(8):1911–9

Expression of whole and hybrid genes in Trypanosoma equiperdum antigenic variation. Longacre S, et al. **EMBO J** 1986 May;5(5):1057–63

Coupled transcription and processing of mouse ribosomal RNA in a cell-free system. Mishima Y, et al. **EMBO J** 1985 Dec 30;4(13B):3879–86

Sequence, topography and protein coding potential of mouse int-2: a putative oncogene activated by mouse mammary tumour virus. Moore R, et al. **EMBO J** 1986 May; 5(5):919–24

Rearrangement and expression of the antigen receptor alpha, beta and gamma genes in suppressor antigen-specific T cell lines. Mori L, et al. **EMBO J** 1985 Aug;4(8):2025–30

Tissue-specific, inducible and functional expression of the E alpha d MHC class II gene in transgenic mice. Pinkert CA, et al. **EMBO J** 1985 Sep;4(9):2225–30

Control of gene expression in P2-related coliphages: the in vitro transcription pattern of coliphage 186. Pritchard M, et al. **EMBO J** 1985 Dec 16;4(13A):3599–604

Metabolism of c-myc gene products: c-myc mRNA and protein expression in the cell cycle. Rabbitts PH, et al. **EMBO J** 1985 Aug;4(8):2009–15

A negative transcriptional control element located upstream of the murine c-myc gene. Remmers EF, et al. **EMBO J** 1986 May;5(5):899–904

Regulation of c-fos transcription in mouse fibroblasts: identification of DNase I-hypersensitive sites and regulatory upstream sequences. Renz M, et al. **EMBO J** 1985 Dec 30;4(13B):3711–6

Cell type-specific transcriptional enhancement in vitro requires the presence of trans-acting factors. Schöler HR, et al. **EMBO J** 1985 Nov;4(11):3005–13

Direct evidence that p40x of human T-cell leukemia virus type I is a trans-acting transcriptional activator. Seiki M, et al. **EMBO J** 1986 Mar;5(3):561–5

The SV40 enhancer influences viral late transcription in vitro and in vivo but not on replicating templates. Shaw PE, et al. **EMBO J** 1985 Dec 1;4(12):3247–52

The genetic and transcriptional organization of the vir region of the A6 Ti plasmid of Agrobacterium tumefaciens. Stachel SE, et al. **EMBO J** 1986 Jul;5(7):1445–54

Genetic complementation in the Xenopus oocyte: co-expression of sea urchin histone and U7 RNAs restores 3' processing of H3 pre-mRNA in the oocyte. Strub K, et al. **EMBO J** 1986 Jul;5(7):1675–82

Altered distributions of Ultrabithorax transcripts in extra sex combs mutant embryos of Drosophila. Struhl G, et al. **EMBO J** 1985 Dec 1;4(12):3259–64

Visualization of RNA polymerase II ternary transcription complexes formed in vitro on a Xenopus laevis vitellogenin gene. ten Heggeler B, et al. **EMBO J** 1985 Sep;4(9):2269–73

E. coli NusA protein binds in vitro to an RNA sequence immediately upstream of the boxA signal of bacteriophage lambda. Tsugawa A, et al. **EMBO J** 1985 Sep;4(9):2337–42

T3 delta pre-mRNA is transcribed from a non-TATA promoter and is alternatively spliced in human T cells. Tunnacliffe A, et al. **EMBO J** 1986 Jun;5(6):1245–52

The immunoglobulin heavy-chain B-lymphocyte enhancer efficiently stimulates transcription in non-lymphoid cells. Wasylyk C, et al. **EMBO J** 1986 Mar;5(3):553–60

Isolation of a mouse cDNA coding for a developmentally regulated, testis-specific transcript containing homeo box homology. Wolgemuth DJ, et al. **EMBO J** 1986 Jun; 5(6):1229–35

Conserved sequence elements upstream of the gene encoding yeast ribosomal protein L25 are involved in transcription activation. Woudt LP, et al. **EMBO J** 1986 May; 5(5):1037–40

Adenovirus stimulation of transcription by RNA polymerase III: evidence for an E1A-dependent increase in transcription factor IIIC concentration. Yoshinaga S, et al. **EMBO J** 1986 Feb;5(2):343–54

Identical transcription initiation sites for proinsulin messenger ribonucleic acid in three insulin-expressing tissues. Guggenheim NZ, et al. **Endocrinology** 1986 Apr; 118(4):1710–5

Different micrococcal nuclease cleavage patterns characterize transcriptionally active and inactive sea-urchin histone genes. Anello L, et al. **Eur J Biochem** 1986 Apr 15;156(2):367–74

Structural features of the DNA template required for transcription in vitro by yeast RNA polymerase B (II). Arcangioli B, et al. **Eur J Biochem** 1986 Feb 17; 155(1):69–75

Selective dinucleotide-primed in vitro transcription of a cloned fragment of cauliflower mosaic virus DNA is dependent on a limited region of the viral genome. Cooke R, et al. **Eur J Biochem** 1986 May 15;157(1):83–9

Antitermination is required for readthrough transcription of the maize rbcL gene by a bacteriophage promoter in Escherichia coli. Gatenby AA, et al. **Eur J Biochem** 1985 Dec 2;153(2):355–9

Visualization of intermediary transcription states in the complex between Escherichia coli DNA-dependent RNA polymerases and a promoter-carrying DNA fragment using the gel retardation method. Heumann H, et al. **Eur J Biochem** 1986 Aug 1;158(3):575–9

Structure and in vitro transcription of tRNA gene clusters containing the primers of MuLV reverse transcriptase. Russo T, et al. **Eur J Biochem** 1986 Aug 1;158(3):437–42

Upstream sequences modulate in vitro transcription from Drosophila yolk protein genes I and II. Voss D, et al. **Eur J Biochem** 1986 Jul 1;158(1):25–32

A transcription terminator in the 5' non-coding region of the tyrosyl tRNA synthetase gene from Bacillus stearothermophilus. Waye MM, et al. **Eur J Biochem** 1986 Aug 1;158(3):505–10

DNA compaction during intense transcription measured by electron microscope tomography. Olins AL, et al. **Eur J Cell Biol** 1986 Mar;40(1):105–10

Correlation between rDNA transcription and distribution of a 100 kD nucleolar protein in CHO cells. Escande-Géraud ML, et al. **Exp Cell Res** 1985 Dec;161(2):353–63

Isolation of an MSP1-derived transcriptionally active nucleolar particle. Rosenberg NL. **Exp Cell Res** 1986 Jul; 165(1):41–52

Molecular duality of DNA ligase in axolotl corresponds to distinctive transcriptional information. Thiebaud P, et al. **Exp Cell Res** 1985 Nov;161(1):209–18

Specific transcription of orthopox virus DNA by HeLa cell RNA polymerase II. Archard LC, et al. **FEBS Lett** 1985 Nov 11;192(1):53–6

Transcriptional antitermination activity of the synthetic nut elements of coliphage lambda. I. Assembly of the nutR recognition site from boxA and nut core elements. Brown AL, et al. **Gene** 1985;39(2–3):121–7

Immunoglobulin transcripts and molecular history of a hybridoma that produces antibody to carcinoembryonic antigen. Cabilly S, et al. **Gene** 1985;40(1):157–61

Promoter activity and transcript mapping in the regulatory region for genes encoding ribosomal protein S15 and polynucleotide phosphorylase of Escherichia coli. Evans S, et al. **Gene** 1985;40(1):15–22

Nonfunctional immunoglobulin light chain transcripts in two IgE-producing rat immunocytomas; implications for the allelic exclusion and transcription activation processes. Hellman L, et al. **Gene** 1985;40(1):115–24

Structure and expression of kappa-chain genes in two IgE-producing rat immunocytomas. Hellman L, et al. **Gene** 1985;40(1):107–14

Nucleotide sequence of the transcription initiation region for rRNA in the sea urchin Lytechinus variegatus. Ho KC, et al. **Gene** 1985;39(1):49–54

Plasmid vectors designed for the analysis of transcription termination signals. Honigman A, et al. **Gene** 1985; 36(1–2):131–41

Mapping transcription start points on cloned genomic DNA with T4 DNA polymerase: a precise and convenient technique. Hu MC, et al. **Gene** 1986;42(1):21–9

Putative regulatory sequences for the transcription of mini-exons in Trypanosoma brucei as revealed by S1 sensitivity. Michiels F, et al. **Gene** 1985;36(3):263–70

Transcription termination signal for the cat-86 indicator gene in a Bacillus subtilis promoter-cloning plasmid. Mongkolsuk S, et al. **Gene** 1985;37(1–3):83–90

Cloning and expression of the bacteriophage T3 RNA polymerase gene. Morris CE, et al. **Gene** 1986; 41(2–3):193–200

Expression of a mouse U1b gene in mouse L cells. Moussa NM, et al. **Gene** 1985;36(3):311–9

The RAD2 gene of Saccharomyces cerevisiae: nucleotide sequence and transcript mapping. Nicolet CM, et al. **Gene** 1985;36(3):225–34

Cloning, sequencing and transcription of an inactivated copy of Bacillus amyloliquefaciens extracellular ribonuclease (barnase). Paddon CJ, et al. **Gene** 1985;40(2–3):231–9

Control of cloned gene expression by promoter inversion in vivo: construction of the heat-pulse-activated att-nutL-p-att-N module. Podhajska AJ, et al. **Gene** 1985; 40(1):163–8

Transcription of the triose-phosphate-isomerase gene of Schizosaccharomyces pombe initiates from a start point different from that in Saccharomyces cerevisiae. Russell PR. **Gene** 1985;40(1):125–30

Transcriptional control of the nah and sal hydrocarbon-degradation operons by the nahR gene product. Schell MA. **Gene** 1985;36(3):301–9

Controlled transcription of the yeast regulatory gene GAL80. Shimada H, et al. **Gene** 1985;39(1):1–9

Analysis of the dosage compensation of a specific transcript in Drosophila melanogaster. Breen TR, et al. **Genetics** 1986 Mar;112(3):483–91

The underlying bases of gene expression differences in stable transformants of the rosy locus in Drosophila melanogaster. Daniels SB, et al. **Genetics** 1986 Jun;113(2):265–85

Cellular genes in the mouse regulate in trans the expression of endogenous mouse mammary tumor viruses. Traina-Dorge VL, et al. **Genetics** 1985 Nov;111(3):597–615

A detailed developmental and structural study of the transcriptional effects of insertion of the Copia transposon into the white locus of Drosophila melanogaster. Zachar Z, et al. **Genetics** 1985 Nov;111(3):495–515

Studies of gene transcription and translation in regenerating rat liver. Huber BE, et al. **Hepatology** 1986 Mar–Apr; 6(2):209–19

Asynchronous regulation of mouse H-2D and beta-2 microglobulin RNA transcripts. Morello D, et al. **Immunogenetics** 1985;22(5):441–52

A constitutively transcribed actin gene is associated with the nuclear matrix in a Drosophila cell line. Intres R, et al. **In Vitro Cell Dev Biol** 1985 Nov;21(11):641–8

Melting of transcribed and nontranscribed regions in ribosomal DNA of sea urchin. Mishra NK. **Indian J Biochem Biophys** 1985 Jun;22(3):173–8

Virulence genes regulated at the transcriptional level by Ca2+ in Yersinia pestis include structural genes for outer membrane proteins. Straley SC, et al. **Infect Immun** 1986 Feb;51(2):445–54

Inhibition of Banzi viral RNA synthesis in BHK-21 cells by Banzi virion matrix protein. Hommel-Berrey GA, et al. **Intervirology** 1986;25(1):38–47

Regulation of lateral flagella gene transcription in Vibrio parahaemolyticus. Belas R, et al. **J Bacteriol** 1986 Jul; 167(1):210–8

Posttranscriptional autoregulation of Escherichia coli threonyl tRNA synthetase expression in vivo. Butler JS, et al. **J Bacteriol** 1986 Jan;165(1):198–203

Growth phase and ompR regulation of transcription of microcin B17 genes. Hernández-Chico C, et al. **J Bacteriol** 1986 Sep;167(3):1058–65

Nucleotide sequence of a DNA segment promoting transcription in Pseudomonas putida. Inouye S, et al. **J Bacteriol** 1986 Jun;166(3):739–45

Transcription of the Escherichia coli fumarate reductase genes (frdABCD) and their coordinate regulation by oxygen, nitrate, and fumarate. Jones HM, et al. **J Bacteriol** 1985 Dec;164(3):1100–9

Regulation of in vivo transcription of the Escherichia coli K-12 metJBLF gene cluster. Kirby TW, et al. **J Bacteriol** 1986 Mar;165(3):671–7

AsnC: an autogenously regulated activator of asparagine synthetase A transcription in Escherichia coli. Kölling R, et al. **J Bacteriol** 1985 Oct;164(1):310–5

Replication of plasmid RK2 in vitro by a DNA-membrane complex: evidence for initiation of replication and its coupling to transcription and translation. Kornacki JA, et al. **J Bacteriol** 1986 Jul;167(1):319–26

Transcriptional analysis of promoter mutations in the Klebsiella pneumoniae nifHDKY operon. Lers A, et al. **J Bacteriol** 1986 Jan;165(1):175–80

Genetic organization and transcription from the gene (trmA) responsible for synthesis of tRNA (uracil-5)-methyltransferase by Escherichia coli. Lindström PH, et al. **J Bacteriol** 1985 Dec;164(3):1117–23

Nucleotide sequence, transcript mapping, and regulation of the RAD2 gene of Saccharomyces cerevisiae. Madura K, et al. **J Bacteriol** 1986 Jun;166(3):914–23

Autogenous regulation of the gene for transcription termination factor rho in Escherichia coli: localization and function of its attenuators. Matsumoto Y, et al. **J Bacteriol** 1986 Jun;166(3):945–58

Isolation of Bacillus subtilis genes transcribed in vitro and in vivo by a major sporulation-induced, DNA-dependent RNA polymerase. Ray GL, et al. **J Bacteriol** 1986 May; 166(2):472–8

Transcriptional control of the Bacillus subtilis spoIID gene. Rong S, et al. **J Bacteriol** 1986 Mar;165(3):771–9

Transcriptional analysis of beta-lactamase regulation in Bacillus licheniformis. Salerno AJ, et al. **J Bacteriol** 1986 Jun;166(3):769–78

In vitro transcription of the Escherichia coli K-12 argA, argE, and argCBH operons. Sens D, et al. **J Bacteriol** 1977 May;130(2):642–55

Novel form of transcription attenuation regulates expression the Bacillus subtilis tryptophan operon. Shimotsu H, et al. **J Bacteriol** 1986 May;166(2):461–71

Rho-dependent transcription termination in the tryptophanase operon leader region of Escherichia coli K-12. Stewart V, et al. **J Bacteriol** 1986 Apr;166(1):217–23

Evidence for transcription antitermination control of tryptophanase operon expression in Escherichia coli K-12. Stewart V, et al. **J Bacteriol** 1985 Nov;164(2):731–40

Fractionation of ribonucleic acid transcripts synthesized during spore germination in Bacillus subtilis. Matsuda M, et al. **J Basic Microbiol** 1986;26(2):91–9

Determination of the initiation sites of transcription and translation of the uvrD gene of Escherichia coli. Yamamoto

Y, et al. J Biochem (Tokyo) 1986 Jun;99(6):1579–90
Transcription unit of the chicken histone H5 gene and mapping of H5 pre–mRNA sequences. Affolter M, et al. J Biol Chem 1986 Sep 5;261(25):11496–502
The fatty acid synthase gene in avian liver. Two mRNAs are expressed and regulated in parallel by feeding, primarily at the level of transcription. Back DW, et al. J Biol Chem 1986 Mar 25;261(9):4190–7
Characterization of the nucleotide requirement for elimination of the rate–limiting step in 5 S RNA gene transcription. Bieker JJ, et al. J Biol Chem 1986 Jul 25; 261(21):9732–8
Transcriptional regulation of plasma protein synthesis during inflammation. Birch HE, et al. J Biol Chem 1986 Jun 25; 261(18):8077–80
Identification of initiation sites for transcription of Xenopus laevis mitochondrial DNA. Bogenhagen DF, et al. J Biol Chem 1986 Jun 25;261(18):8488–94
Transcriptional regulation of nicotinic acetylcholine receptor genes during muscle development. Buonanno A, et al. J Biol Chem 1986 Sep 5;261(25):11452–5
Analysis of RNA polymerase III transcription complexes by gel filtration. Carey MF, et al. J Biol Chem 1986 Mar 25; 261(9):4309–17
Structure and complete nucleotide sequence of the chicken alpha–smooth muscle (aortic) actin gene. An actin gene which produces multiple messenger RNAs. Carroll SL, et al. J Biol Chem 1986 Jul 5;261(19):8965–76
Transcriptional regulation of the 3–hydroxy–3–methylglutaryl coenzyme A reductase gene in rat liver. Clarke CF, et al. J Biol Chem 1985 Nov 15; 260(26):14363–7
Structure of the Escherichia coli K12 regulatory gene tyrR. Nucleotide sequence and sites of initiation of transcription and translation. Cornish EC, et al. J Biol Chem 1986 Jan 5;261(1):403–10
Regulation of c–myc transcription and mRNA abundance by serum growth factors and cell contact. Dean M, et al. J Biol Chem 1986 Jul 15;261(20):9161–6
Absolute rates of globin gene transcription and mRNA formation during differentiation of cultured mouse erythroleukemia cells. Ganguly S, et al. J Biol Chem 1985 Oct 5;260(22):12167–73
Sequence of two related P–450 mRNAs transcriptionally increased during rat development. An R.dre.1 sequence occupies the complete 3' untranslated region of a liver mRNA. Gonzalez FJ, et al. J Biol Chem 1986 Aug 15; 261(23):10667–72
A dispersed tyrosine tRNA gene from Xenopus laevis with high transcriptional activity in vitro. Gouilloud E, et al. J Biol Chem 1986 Jan 5;261(1):486–94
In vivo and in vitro transcription of the Clostridium pasteurianum ferredoxin gene. Evidence for "extended" promoter elements in gram–positive organisms. Graves MC, et al. J Biol Chem 1986 Aug 25;261(24):11409–15
Nerve growth factor and epidermal growth factor induce rapid transient changes in proto–oncogene transcription in PC12 cells. Greenberg ME, et al. J Biol Chem 1985 Nov 15;260(26):14101–10
The structure of two fast–white myosin heavy chain promoters. A comparative study. Gulick J, et al. J Biol Chem 1985 Nov 25;260(27):14513–20
Transcriptional and post–transcriptional regulation of the asialoglycoprotein receptor in normal and neoplastic rat liver. Huber BE, et al. J Biol Chem 1986 Sep 15; 261(26):12400–7
Differential expression of the multiple forms of rat prekininogen mRNAs after acute inflammation. Kageyama R, et al. J Biol Chem 1985 Oct 5;260(22):12060–4
Regulation of oncogene expression in cultured aortic smooth muscle cells. Post–transcriptional control of c–myc mRNA. Kindy MS, et al. J Biol Chem 1986 Sep 25;261(27):12865–8
Transcriptional regulation of serum amyloid A gene expression. Lowell CA, et al. J Biol Chem 1986 Jun 25; 261(18):8453–61
Evidence for negative control of cya transcription by cAMP and cAMP receptor protein in intact Escherichia coli cells. Mori K, et al. J Biol Chem 1985 Nov 25;260(27):14838–43
Organization, nucleotide sequence, and transcription of the chicken HSP70 gene. Morimoto RI, et al. J Biol Chem 1986 Sep 25;261(27):12692–9
Transcriptional regulation of the mitochondrial genome of yeast Saccharomyces cerevisiae. Mueller DM, et al. J Biol Chem 1986 Sep 5;261(25):11756–64
Evidence for the expression of three genes encoding homologous atrial gland peptides that cause egg laying in Aplysia. Nagle GT, et al. J Biol Chem 1986 Jun 15; 261(17):7853–9
Transcriptional–translational regulation of muscle–specific protein synthesis and its relationship to chondrogenic stimuli. Nathanson MA, et al. J Biol Chem 1986 Jan 25; 261(3):1477–86
Priming affects the transcription rate of human interferon–beta 1 gene. Nir U, et al. J Biol Chem 1985 Nov 15;260(26):14242–7
Activation of a novel KpnI transcript by downstream integration of a human T–lymphotropic virus type I provirus. Okamoto T, et al. J Biol Chem 1986 Apr 5; 261(10):4615–9
A re–examination of the 5' termisi of mouse dihydrofolate reductase RNA. Sazer S, et al. J Biol Chem 1986 Apr 5; 261(10):4685–90
Assembly of a yeast 5 S RNA gene transcription complex. Segall J. J Biol Chem 1986 Sep 5;261(25):11578–84
The rho–115 mutation in transcription termination factor rho affects its primary polynucleotide binding site. Sharp JA, et al. J Biol Chem 1986 Feb 25;261(6):2524–8
Variant surface glycoprotein gene expression site switches in Trypanosoma brucei. Shea C, et al. J Biol Chem 1986 May 5;261(13):6056–63
Release of the sigma subunit of Escherichia coli DNA–dependent RNA polymerase depends mainly on time elapsed after the start of initiation, not on length of product RNA. Shimamoto N, et al. J Biol Chem 1986 Sep 5; 261(25):11859–65
The human albumin gene. Characterization of the 5' and 3' flanking regions and the polymorphic gene transcripts. Urano Y, et al. J Biol Chem 1986 Mar 5;261(7):3244–51
Transcriptional and post–transcriptional regulation of L–type pyruvate kinase gene expression in rat liver. Vaulont S, et al. J Biol Chem 1986 Jun 15;261(17):7621–5
The 5' flanking region of the ornithine transcarbamylase gene contains DNA sequences regulating tissue–specific expression. Veres G, et al. J Biol Chem 1986 Jun 15; 261(17):7588–91
Regulation of diacylglycerol kinase biosynthesis in Escherichia coli. A trans–acting dgkR mutation increases transcription of the structural gene. Walsh JP, et al. J Biol Chem 1986 Aug 25;261(24):11021–7
Nucleotide sequence and in vivo expression of the ilvY and ilvC genes in Escherichia coli K12. Transcription from divergent overlapping promoters. Wek RC, et al. J Biol Chem 1986 Feb 15;261(5):2441–50
In vitro transcription and promoter strength analysis of five mitochondrial tRNA promoters in yeast. Wettstein–Edwards J, et al. J Biol Chem 1986 Feb 25; 261(6):2905–11
A single base change in the intron of a serine tRNA affects the rate of RNase P cleavage in vitro and suppressor activity in vivo in Saccharomyces cerevisiae. Willis I, et al. J Biol Chem 1986 May 5;261(13):5878–85
A multicomponent mitochondrial RNA polymerase from Saccharomyces cerevisiae. Winkley CS, et al. J Biol Chem 1985 Nov 15;260(26):14214–23
Transcription termination and chromatin structure of the active immunoglobulin kappa gene locus. Xu M, et al. J Biol Chem 1986 Mar 15;261(8):3838–45
15th annual UCLA symposium. Abstracts: Transcriptional control mechanisms. J Cell Biochem [Suppl] 1986; 10D:77–201
15th annual UCLA symposia. March 30–April 26, 1986. Abstracts. J Cell Biochem [Suppl] 1986;10D:1–315
Collagen gene expression during limb cartilage differentiation. Kosher RA, et al. J Cell Biol 1986 Apr; 102(4):1151–6
Association of nucleoplasmin with transcription products as revealed by immunolocalization in the amphibian oocyte. Moreau N, et al. J Cell Biol 1986 Sep;103(3):683–90
The ribosomal RNA gene cluster in aneuploid chickens: evidence for increased gene dosage and regulation of gene expression. Muscarella DE, et al. J Cell Biol 1985 Nov; 101(5 Pt 1):1749–56
Localization of human histone gene transcripts predominantly in the nonmatrix nuclear fraction. Bandyopadhyay R, et al. J Cell Physiol 1986 Aug; 128(2):345–51
The activation of specific gene transcription in the adipose conversion of 3T3 cells. Djian P, et al. J Cell Physiol 1985 Sep;124(3):554–6
Rat fibroblasts expressing high levels of human c–myc transcripts are anchorage–independent and tumorigenic. Pellegrini S, et al. J Cell Physiol 1986 Jan;126(1):107–14
Transcription of ribosomal RNA is differentially controlled in resting and growing BALB/c 3T3 cells. Perrone–Bizzozero N, et al. J Cell Physiol 1985 Jul; 124(1):160–4
Insulin–like growth factor I regulation of transcription and replicating enzyme induction necessary for DNA synthesis. Yang HC, et al. J Cell Physiol 1986 Jun;127(3):410–6
Transcriptive and replicative activity of the X chromosome in an autosomal segmental hyperploid in Drosophila and its significance. Ghosh S, et al. J Cell Sci 1986 Mar; 81:267–81
In vivo transcription of ribosomal RNA in relation to the mitotic cycle in Physarum polycephalum. Hunter GJ, et al. J Cell Sci 1985 Jun;76:135–43
Transcriptional regulation of the mercury–resistance genes of transposon Tn501. Lund PA, et al. J Gen Microbiol 1986 Feb;132 (Pt 2):465–80
Transcriptional map of the measles virus genome. Dowling PC, et al. J Gen Virol 1986 Sep;67 (Pt 9):1987–92
Genome organization and expression of reverse transcribing elements: variations and a theme. Hull R, et al. J Gen Virol 1986 Sep;67 (Pt 9):1751–8 (57 ref.)
In vitro transcriptase deficiency of temperature–dependent host range mutants of Chandipura virus. Rasool N, et al. J Gen Virol 1986 May;67 (Pt. 5):851–62
Characterization of clones for the sixth (L) gene and a transcriptional map for morbilliviruses. Rima BK, et al. J Gen Virol 1986 Sep;67 (Pt 9):1971–8
Detection of insulin synthesis in mammalian anterior pituitary cells by immunohistochemistry and demonstration of insulin–related transcripts by in situ RNA–DNA hybridization. Budd GC, et al. J Histochem Cytochem 1986 May;34(5):673–8
Enhanced transcription in a pre–B–like cell line transformed with cloned antibody genes after antigen–specific stimulation. Ochi A, et al. J Immunol 1986 Apr 1; 136(7):2705–8
Molecular cloning of murine interferon gamma (MuIFN–gamma) cDNA and its expression in heterologous mammalian cells. Dijkmans R, et al. J Interferon Res 1985 Summer;5(3):511–20
A highly reiterated family of transcribed oligo(A)–terminated, interspersed DNA elements in the genome of Bombyx mori. Adams DS, et al. J Mol Biol 1986 Feb 20;187(4):465–78
Transcription initiation in vitro and in vivo at a highly conserved promoter within a 16 S ribosomal RNA gene. Amemiya K, et al. J Mol Biol 1986 Jan 5;187(1):1–14
Sequence organization and control of transcription in the bacteriophage T4 tRNA region. Broida J, et al. J Mol Biol 1985 Oct 5;185(3):545–63
Promoter mutations affecting divergent transcription in the Tn10 tetracycline resistance determinant. Daniels DW, et al. J Mol Biol 1985 Aug 20;184(4):599–610
Multiple promoters for the transcription of the ribosomal RNA gene cluster in Halobacterium cutirubrum. Dennis PP. J Mol Biol 1985 Nov 20;186(2):457–61
Transcription of Escherichia coli ara in vitro. The cyclic AMP receptor protein requirement for PBAD induction that depends on the presence and orientation of the araO2 site. Hahn S, et al. J Mol Biol 1986 Apr 5;188(3):355–67
Transcribed human ribosomal RNA genes are attached to the nuclear matrix. Keppel F. J Mol Biol 1986 Jan 5; 187(1):15–21
Activation of sea urchin actin genes during embryogenesis. Measurement of transcript accumulation from five different genes in Strongylocentrotus purpuratus. Lee JJ, et al. J Mol Biol 1986 Mar 20;188(2):173–83
Transcription initiation of the Saccharomyces cerevisiae iso–1–cytochrome c gene. Multiple, independent T–A–T–A sequences. McNeil JB, et al. J Mol Biol 1986 Feb 5; 187(3):363–78
Initiation of transcription by bacteriophage T4–modified RNA polymerase independently of host sigma factor. Malik S, et al. J Mol Biol 1985 Sep 5;185(1):83–91
Transcriptional regulation of a periodically controlled flagellar gene operon in Caulobacter crescentus. Ohta N, et al. J Mol Biol 1985 Nov 5;186(1):107–15
Efficient utilization of Escherichia coli transcriptional signals in Bacillus subtilis. Peschke U, et al. J Mol Biol 1985 Dec 5;186(3):547–55
H4 histone messenger RNA decay in cell–free extracts initiates at or near the 3' terminus and proceeds 3' to 5'. Ross J, et al. J Mol Biol 1986 Apr 20;188(4):579–93
Visualization of the movement of the Escherichia coli RNA polymerase along the lac UV5 promoter during the initiation of the transcription. Spassky A. J Mol Biol 1986 Mar 5;188(1):99–103
The mitochondrial DNA molecular of Drosophila yakuba: nucleotide sequence, gene organization, and genetic code. Clary DO, et al. J Mol Evol 1985;22(3):252–71
An apparent progressive and recurrent evolutionary restriction in tissue expression of a gene, the lactate dehydrogenase–C gene, within a family of bony fish (Salmoniformes: Umbridae). Kettler MK, et al. J Mol Evol 1986;23(2):95–107
Identification and characterization of neuron–specific and developmentally regulated gene transcripts in the chick embryo spinal cord. Dickson JG, et al. J Neurochem 1986 Mar;46(3):787–93
Glyceraldehyde–3–phosphate dehydrogenase is a nonhistone protein and a possible activator of transcription in neurons. Morgenegg G, et al. J Neurochem 1986 Jul;47(1):54–62
An efficient approach for the selective isolation of specific transcripts from complex brain mRNA populations. Rhyner TA, et al. J Neurosci Res 1986;16(1):167–81
Alternative processing of sequences during macronuclear development in Tetrahymena thermophila. White TC, et al. J Protozool 1986 Feb;33(1):30–8
The induction of Alu–sequence transcripts by glucocorticoid in rat liver cells. Sun LH, et al. J Steroid Biochem 1986 Aug;25(2):201–7
Localization of transcription in nucleoli of rat sympathetic neurons. A quantitative ultrastructural autoradiography study. Dupuy–Coin AM, et al. J Submicrosc Cytol 1986 Jan;18(1):21–7
Interaction energy studies of an antimetabolite 8–azaguanine during transcription. Sanyal NK, et al. J Theor Biol 1985 Sep 21;116(2):195–9
Adenovirus mutants with splice–enhancing mutations in the E3 complex transcription unit are also defective in E3A RNA 3'–end formation. Bhat BM, et al. J Virol 1986 Mar; 57(3):1155–8
Cell–free transcription and translation of isolated restriction fragments localize bacteriophage T5 pre–early genes. Blaisdell PW, et al. J Virol 1986 Mar;57(3):759–64
Regulation of cytomegalovirus late gene expression: gamma genes are controlled by posttranscriptional events. Geballe AP, et al. J Virol 1986 Mar;57(3):864–74
Transcription unit mapping in adenovirus: regions of termination. Iwamoto S, et al. J Virol 1986 Jul;59(1):112–9
The minute virus of mice P39 transcription unit can encode both capsid proteins. Labieniec–Pintel L, et al. J Virol 1986 Mar;57(3):1163–7

Constitutive and retinoic acid-inducible expression of cytomegalovirus immediate-early genes in human teratocarcinoma cells. LaFemina R, et al. J Virol 1986 May; 58(2):434–40

Duplication of functional polyadenylation signals in polyomavirus DNA does not alter efficiency of polyadenylation or transcription termination. Lanoix J, et al. J Virol 1986 Jun;58(3):733–42

Parvovirus H–1 expression: mapping of the abundant cytoplasmic transcripts and identification of promoter sites and overlapping transcription units. Lebovitz RM, et al. J Virol 1986 May;58(2):271–80

Control of expression of an integrated Rous sarcoma provirus in rat cells: role of 5' genomic duplications reveals unexpected patterns of gene transcription and its regulation. Levantis P, et al. J Virol 1986 Mar;57(3):907–16

Conservative replication and transcription of Saccharomyces cerevisiae viral double-stranded RNA in vitro. Nemeroff ME, et al. J Virol 1986 Mar;57(3):754–8

Physical mapping of temporally regulated, overlapping transcripts in the region of the 10K protein gene in Autographa californica nuclear polyhedrosis virus. Rankin C, et al. J Virol 1986 Jan;57(1):18–27

Nucleotide sequences that affect replicative and transcriptional efficiencies of Sendai virus deletion mutants. Re GG, et al. J Virol 1986 May;58(2):578–82

La Crosse virus small genome mRNA is made in the cytoplasm. Rossier C, et al. J Virol 1986 May;58(2):647–50

Sequences involved in determining the locations of the 5' ends of the late RNAs of simian virus 40. Somasekhar MB, et al. J Virol 1985 Dec;56(3):1002–13

Multiple spliced and unspliced transcripts from human cytomegalovirus immediate-early region 2 and evidence for a common initiation site within immediate-early region 1. Stenberg RM, et al. J Virol 1985 Dec;56(3):665–75

Autoregulation of the human cytomegalovirus major immediate-early gene. Stenberg RM, et al. J Virol 1985 Dec;56(3):676–82

Herpes simplex virus specifies two subunits of ribonucleotide reductase encoded by 3'-coterminal transcripts. Swain MA, et al. J Virol 1986 Mar;57(3):802–8

Biochemical and electron microscopic studies of the transcription of vaccinia DNA by RNA polymerase from Escherichia coli: localization and characterization of transcriptional complexes. Esteban M, et al. J Virol Methods 1985 Oct;12(1–2):111–33

Coupled transcription–translation in chloroplast lysates. Bard JD, et al. Methods Enzymol 1986;118:270–95 (32 ref.)

Chloroplast gene expression and promoter identification in chloroplast extracts. Gruissem W, et al. Methods Enzymol 1986;118:253–70 (42 ref.)

In vitro transcription of chloroplast protein genes. Orozco EM Jr, et al. Methods Enzymol 1986;118:232–53 (33 ref.)

Location of gene expression in CNS using hybridization histochemistry. Penschow JD, et al. Methods Enzymol 1986;124:534–48

In situ cDNA:mRNA hybridization: development of a technique to measure mRNA levels in individual cells. Wilcox JN, et al. Methods Enzymol 1986;124:510–33

Plasmid pAO1 of Arthrobacter oxidans encodes 6-hydroxy-D-nicotine oxidase: cloning and expression of the gene in Escherichia coli. Brandsch R, et al. MGG 1986 Jan;202(1):96–101

Regulation of gene expression by pH of the growth medium in Aspergillus nidulans. Caddick MX, et al. MGG 1986 May;203(2):346–53

Cloning of the arg-12 gene of Neurospora crassa and regulation of its transcript via cross-pathway amino acid control. Flint HJ, et al. MGG 1986 Apr;203(1):110–6

Shadow promoters in the F plasmid transfer operon. Fowler T, et al. MGG 1986 Mar;202(3):509–11

Cloning and expression of the pneumococcal autolysin gene in Escherichia coli. García E, et al. MGG 1985; 201(2):225–30

Transcription termination within the Escherichia coli origin of DNA replication, oriC. Junker DE Jr, et al. MGG 1986 Apr;203(1):101–9

Conditionally lethal nusAts mutation of Escherichia coli reduces transcription termination but does not affect antitermination of bacteriophage lambda. Nakamura Y, et al. MGG 1986 Jul;204(1):24–8

Organization of transcription units around the Drosophila melanogaster rudimentary locus and temporal pattern of expression. Rawls JM, et al. MGG 1986 Mar;202(3):493–9

The expression of the MET25 gene of Saccharomyces cerevisiae is regulated transcriptionally. Sangsoda S, et al. MGG 1985;200(3):407–14

Pleiotropic mutations in appR reduce pH 2.5 acid phosphatase expression and restore succinate utilisation in CRP-deficient strains of Escherichia coli. Touati E, et al. MGG 1986 Feb;202(2):257–64

Distribution of histone variants in the sea urchin chromatin fractions obtained by selective micrococcal nuclease digestion. Jasinskiene NE, et al. Mol Biol Rep 1985 Oct; 10(4):199–203

Effects of DNA methylation on specific transcription by RNA polymerase II in vitro. Molloy PL. Mol Biol Rep 1986;11(1):13–7

Characterization of human c-fes/fps reveals a new transcription unit (fur) in the immediately upstream region of the proto-oncogene. Roebroek AJ, et al. Mol Biol Rep 1986;11(2):117–25

Transcriptional regulation of a gene encoding the small subunit of ribulose-1,5-bisphosphate carboxylase in soybean tissue is linked to the phytochrome response. Berry-Lowe SL, et al. Mol Cell Biol 1985 Aug;5(8):1910–7

ATTAAA as well as downstream sequences are required for RNA 3'-end formation in the E3 complex transcription unit of adenovirus. Bhat BM, et al. Mol Cell Biol 1985 Nov;5(11):3183–93

The proto-oncogene c-ets is preferentially expressed in lymphoid cells. Chen JH. Mol Cell Biol 1985 Nov; 5(11):2993–3000

Dependence of liver-specific transcription on tissue organization. Clayton DF, et al. Mol Cell Biol 1985 Oct; 5(10):2623–32

Analysis of the mouse dhfr promoter region: existence of a divergently transcribed gene. Crouse GF, et al. Mol Cell Biol 1985 Aug;5(8):1847–58

Transcription of mouse rDNA and associated formation of the nucleolus organizer region after gene transfer and amplification in Chinese hamster cells. Dhar VN, et al. Mol Cell Biol 1985 Nov;5(11):2943–50

Transcriptional regulation of two serum-induced RNAs in mouse fibroblasts: equivalence of one species to B2 repetitive elements. Edwards DR, et al. Mol Cell Biol 1985 Nov;5(11):3280–8

Promoter domains required for expression of plasmid-borne copies of the herpes simplex virus thymidine kinase gene in virus-infected mouse fibroblasts and microinjected frog oocytes. Eisenberg SP, et al. Mol Cell Biol 1985 Aug; 5(8):1940–7

In vivo interactions of RNA polymerase II with genes of Drosophila melanogaster. Gilmour DS, et al. Mol Cell Biol 1985 Aug;5(8):2009–18

Delineation of transcriptional control signals within the Moloney murine sarcoma virus long terminal repeat. Graves BJ, et al. Mol Cell Biol 1985 Aug;5(8):1948–58

Inhibition of DNA-dependent transcription by the leader RNA of vesicular stomatitis virus: role of specific nucleotide sequences and cell protein binding. Grinnell BW, et al. Mol Cell Biol 1985 Oct;5(10):2502–13

Sequence-independent autoregulation of the adenovirus type 5 E1A transcription unit. Hearing P, et al. Mol Cell Biol 1985 Nov;5(11):3214–21

A genetic locus closely linked to a protease inhibitor gene complex controls the level of multiple RNA transcripts. Hill RE, et al. Mol Cell Biol 1985 Aug;5(8):2114–22

Common regulatory elements control gene expression from polyoma early and late promoters in cells transformed by chimeric plasmids. Kern FG, et al. Mol Cell Biol 1985 Aug; 5(8):2070–9

Sequence organization and developmental expression of an interspersed, repetitive element and associated single-copy DNA sequences in Dictyostelium discoideum. Kimmel AR, et al. Mol Cell Biol 1985 Aug;5(8):2123–30

Quantitative assessment of actin transcript number in eggs, embryos, and tube feet of the sea star Pisaster ochraceus. Kovesdi I, et al. Mol Cell Biol 1985 Nov;5(11):3001–8

Regulation of repressible acid phosphatase gene transcription in Saccharomyces cerevisiae. Lemire JM, et al. Mol Cell Biol 1985 Aug;5(8):2131–41

Regulation of simian virus 40 gene expression in Xenopus laevis oocytes. Michaeli T, et al. Mol Cell Biol 1985 Aug; 5(8):2019–28

Regulated expression of a Drosophila melanogaster heat shock locus after stable integration in a Drosophila hydei cell line. Sinclair JH, et al. Mol Cell Biol 1985 Nov; 5(11):3208–13

Signals for transcription initiation and termination in the Saccharomyces cerevisiae plasmid 2 micron circle. Sutton A, et al. Mol Cell Biol 1985 Oct;5(10):2770–80

Expression of human beta-globin genes in transgenic mice: effects of a flanking metallothionein-human growth hormone fusion gene. Townes TM, et al. Mol Cell Biol 1985 Aug;5(8):1977–83

Adeno-associated virus vector for high-frequency integration, expression, and rescue of genes in mammalian cells. Tratschin JD, et al. Mol Cell Biol 1985 Nov; 5(11):3251–60

Transcriptional control of the sporulation-specific glucoamylase gene in the yeast Saccharomyces cerevisiae. Yamashita I, et al. Mol Cell Biol 1985 Nov;5(11):3069–73

Nuclear extracts from globin-synthesizing cells enhance globin transcription in vitro. Bazett-Jones DP, et al. Nature 1985 Oct 31–Nov 6;317(6040):824–8

c-myc gene is transcribed at high rate in G0-arrested fibroblasts and is post-transcriptionally regulated in response to growth factors. Blanchard JM, et al. Nature 1985 Oct 3–9;317(6036):443–5

Transcripts encoded by a homoeo box gene are restricted to dorsal tissues of Drosophila embryos. Doyle HJ, et al. Nature 1986 Sep 4–10;323(6083):76–9

Gene transcription. A pulling out of fingers [news] Enver T. Nature 1985 Oct 3–9;317(6036):385–6

Synergism between immunoglobulin enhancers and promoters. Garcia JV, et al. Nature 1986 Jul 24–30; 322(6077):383–5

C mu-containing transcripts initiate heterogeneously within the IgH enhancer region and contain a novel 5'-nontranslatable exon. Lennon GG, et al. Nature 1985 Dec 5–11;318(6045):475–8

Transcriptional interference and termination between duplicated alpha-globin gene constructs suggests a novel mechanism for gene regulation. Proudfoot NJ. Nature 1986 Aug 7–13;322(6079):562–5

Gene regulation by proteins acting nearby and at a distance. Ptashne M. Nature 1986 Aug 21–27;322(6081):697–701 (35 ref.)

Expression of insulin-like growth factor-II transcripts in Wilms' tumour. Reeve AE, et al. Nature 1985 Sep 19–25; 317(6034):258–60

Insulin-like growth factor-II gene expression in Wilms' tumour and embryonic tissues. Scott J, et al. Nature 1985 Sep 19–25;317(6034):260–2

A nuclear factor that binds to a conserved sequence motif in transcriptional control elements of immunoglobulin genes. Singh H, et al. Nature 1986 Jan 9–15;319(6049):154–8

Overlapping transcription units in the dopa decarboxylase region of Drosophila. Spencer CA, et al. Nature 1986 Jul 17–23;322(6076):279–81

Requirement of stereospecific alignments for initiation from the simian virus 40 early promoter. Takahashi K, et al. Nature 1986 Jan 9–15;319(6049):121–6

Patterns of engrailed and fushi tarazu transcripts reveal novel intermediate stages in Drosophila segmentation. Weir MP, et al. Nature 1985 Dec 5–11;318(6045):433–9

A mouse locus at which transcription from both DNA strands produces mRNAs complementary at their 3' ends. Williams T, et al. Nature 1986 Jul 17–23;322(6076):275–9

Dissociation of transforming and trans-activation functions for bovine papillomavirus type 1. Yang YC, et al. Nature 1985 Dec 12–18;318(6046):575–7

Processing in the external transcribed spacer of ribosomal RNA from Physarum polycephalum. Blum B, et al. Nucleic Acids Res 1986 Apr 25;14(8):3153–66

Localisation and characterization of a new rho-dependent transcription terminator from bacteriophage T5. Brunel F, et al. Nucleic Acids Res 1985 Nov 11;13(21):7687–701

Nucleotide sequence and transcriptional analysis of the E. coli ushA gene, encoding periplasmic UDP-sugar hydrolase (5'-nucleotidase): regulation of the ushA gene, and the signal sequence of its encoded protein product. Burns DM, et al. Nucleic Acids Res 1986 May 27; 14(10):4325–42

Analysis of DNA sequences which regulate the transcription of herpes simplex virus immediate early gene 3: DNA sequences required for enhancer-like activity and response to trans-activation by a virion polypeptide. Bzik DJ, et al. Nucleic Acids Res 1986 Jan 24;14(2):929–43

Evidence for transcription and potential translation of the human 1.9 kb HindIII repetitive element. Citron BA, et al. Nucleic Acids Res 1986 Apr 11;14(7):3137–42

DNA sequence of the herpes simplex virus type 1 gene whose product is responsible for transcriptional activation of immediate early promoters. Dalrymple MA, et al. Nucleic Acids Res 1985 Nov 11;13(21):7865–79

Expression of the major heat shock gene of Drosophila melanogaster in Saccharomyces cerevisiae. de Banzie JS, et al. Nucleic Acids Res 1986 Apr 25;14(8):3587–601

Transcription from a plant gene promoter in animal cells. Dennis E, et al. Nucleic Acids Res 1985 Nov 25; 13(22):7945–57

Effect of salts on abortive and productive elongation catalysed by wheat germ RNA polymerase II. Dietrich J, et al. Nucleic Acids Res 1986 Feb 25;14(4):1583–97

Transcription of a cloned rainbow trout protamine gene is accurately initiated following transfection into HeLa cells but the majority of the transcripts fail to polyadenylate at the correct site. Dillon NO, et al. Nucleic Acids Res 1985 Dec 20;13(24):8715–27

Interaction between E. coli RNA polymerase and the tetR promoter from pSC101: homologies and differences with other E. coli promoter systems from close contact point studies. Duval-Valentin G, et al. Nucleic Acids Res 1986 Mar 11;14(5):1967–83

Induction of B2 RNA polymerase III transcription by heat shock: enrichment for heat shock induced sequences in rodent cells by hybridization subtraction. Fornace AJ Jr, et al. Nucleic Acids Res 1986 Jul 25;14(14):5793–811

Structural features of the murine dihydrofolate reductase transcription termination region: identification of a conserved DNA sequence element. Frayne EG, et al. Nucleic Acids Res 1986 May 27;14(10):4113–25

A modular system for the assay of transcription regulatory signals: the sequence TAATGARAT is required for herpes simplex virus immediate early gene activation. Gaffney DF, et al. Nucleic Acids Res 1985 Nov 11;13(21):7847–63

Transient expression of Drosophila melanogaster rDNA promoter into cultured Drosophila cells. Grimaldi G, et al. Nucleic Acids Res 1986 Aug 26;14(16):6417–32

Characterization of an unique RNA initiated immediately upstream from human alpha 1 globin gene in vivo and in vitro: polymerase II-dependence, tissue specificity, and subcellular location. Hess J, et al. Nucleic Acids Res 1985 Sep 11;13(17):6059–74

An amino acid sequence motif linking viral DNA polymerases and plant virus proteins involved in RNA replication. Hodgman TC. Nucleic Acids Res 1986 Aug 26;14(16):6769

Transcription of class III genes in cell-free extracts from the nematode Caenorhabditis elegans. Honda BM, et al. Nucleic Acids Res 1986 Jan 24;14(2):869–81

Identification and nucleotide sequence determination of a potential primer tRNA for reverse transcription of a Drosophila retrotransposon, 297. Inouye S, et al.

Nucleic Acids Res 1986 Apr 11;14(7):3031–43
Intron sequences modulate feather keratin gene transcription in Xenopus oocytes. Koltunow AM, et al. **Nucleic Acids Res** 1986 Aug 26;14(16):6375–92
The effect of changing the distance between the TATA-box and cap site by up to three base pairs on the selection of the transcriptional start site of a cloned eukaryotic gene in vitro and in vivo. Kovacs BJ, et al. **Nucleic Acids Res** 1986 Mar 25;14(6):2429–42
The ribosomal RNA promoter of Acanthamoeba castellanii determined by transcription in a cell-free system. Kownin P, et al. **Nucleic Acids Res** 1985 Sep 11;13(17):6237–48
Nucleotide sequence of small polyadenylated B2 RNA. Kramerov DA, et al. **Nucleic Acids Res** 1985 Sep 25; 13(18):6423–37
Comparison of pausing during transcription and replication. LaFlamme SE, et al. **Nucleic Acids Res** 1985 Dec 9; 13(23):8425–40
Termination of a transcription unit comprising highly expressed genes in the archaebacterium Methanococcus voltae. Müller B, et al. **Nucleic Acids Res** 1985 Sep 25; 13(18):6439–45
Preparation of capped RNA transcripts using T7 RNA polymerase. Nielsen DA, et al. **Nucleic Acids Res** 1986 Jul 25;14(14):5936
Promoter selectivity of E. coli RNA polymerase: analysis of the promoter system of convergently-transcribed dnaQ–rnh genes. Nomura T, et al. **Nucleic Acids Res** 1985 Nov 11;13(21):7647–61
In vitro transcription of RU, a middle repetitive element of the rat genome. Page G, et al. **Nucleic Acids Res** 1986 Jan 24;14(2):899–914
Isolation of cDNA clones derived from a cellular gene transcriptionally induced by herpes simplex virus. Patel R, et al. **Nucleic Acids Res** 1986 Jul 25;14(14):5629–40
RNA metabolism in nuclei: selective transport of kappa exons from myeloma nuclei and adenoviral transcripts from infected HeLa nuclei. Patterson R, et al. **Nucleic Acids Res** 1986 May 27;14(10):4159–69
Transcriptional inactivity of Alu repeats in HeLa cells. Paulson KE, et al. **Nucleic Acids Res** 1986 Aug 11; 14(15):6145–58
Low ionic strength extraction of nuclease-treated nuclei destroys the attachment of transcriptionally active DNA to the nuclear skeleton. Razin SV, et al. **Nucleic Acids Res** 1985 Oct 25;13(20):7427–44
Construction of a retroviral cDNA version of the int-1 mammary oncogene and its expression in vitro. Rijnewijk FA, et al. **Nucleic Acids Res** 1986 Jan 24;14(2):693–702
A novel transcription property of SP6 and T7 RNA polymerases: dependence on template structure. Schenborn ET, et al. **Nucleic Acids Res** 1985 Sep 11;13(17):6223–36
Functional activity and chromatin configuration of SV40 enhancer injected in Xenopus laevis oocytes. Spinelli G, et al. **Nucleic Acids Res** 1985 Nov 25;13(22):8065–81
Correlation between the rate of productive transcription initiation and the strand-melting property of Escherichia coli promoters. Tachibana H, et al. **Nucleic Acids Res** 1985 Dec 20;13(24):9031–42
Regulation of the trfA and trfB promoters of broad host range plasmid RK2: identification of sequences essential for regulation by trfB/korA/korD. Theophilus BD, et al. **Nucleic Acids Res** 1985 Nov 25;13(22):8129–42
The genes encoding the small subunit of ribulose-1,5-bisphosphate carboxylase are expressed differentially in petunia leaves. Tumer NE, et al. **Nucleic Acids Res** 1986 Apr 25;14(8):3325–42
Gene activation properties of a mouse DNA sequence isolated by expression selection. von Hoyningen-Huene V, et al. **Nucleic Acids Res** 1986 Jul 25;14(14):5615–27
Transcriptionally active SV40 minichromosomes are restriction enzyme sensitive and contain a nucleosome-free origin region. Weiss E, et al. **Nucleic Acids Res** 1986 Mar 11;14(5):2045–58
Transcription signals for stable RNA genes in Methanococcus. Wich G, et al. **Nucleic Acids Res** 1986 Mar 25;14(6):2459–79
Mutagenesis of conserved 5' elements and transcription of a chicken H1 histone gene. Younghusband HB, et al. **Nucleic Acids Res** 1986 Jan 24;14(2):635–44
Mouse muscle nicotinic acetylcholine receptor gamma subunit: cDNA sequence and gene expression. Yu L, et al. **Nucleic Acids Res** 1986 Apr 25;14(8):3539–55
RNA polymerase: direct evidence for two active sites involved in transcription. Dennis D. **Nucleic Acids Symp Ser** 1985;(16):261–3
Inhibitory effects of the 3'-noncoding region derived from eukaryotic cDNA on the expression of the upstream structure gene in E. coli. Nomura M, et al. **Nucleic Acids Symp Ser** 1985;(16):279–82
Nuclear peptides from calf liver: large scale isolation and fractionation; control of gene expression in cell-free systems, and inhibition of growth of cells in culture. Hillar M, et al. **Physiol Chem Phys Med NMR** 1985;17(3):325–43
Small peptides bound to polysomal RNA inhibit gene expression in cell-free systems, replication of stimulated lymphocytes and DNA repair in isolated chromatin. Hillar M, et al. **Physiol Chem Phys Med NMR** 1985;17(3):307–23
Analysis of the vegetative replication origin of broad-host-range plasmid RK2 by transposon mutagenesis. Cross MA, et al. **Plasmid** 1986 Mar;15(2):132–46
Deposition-related histone acetylation in micronuclei of conjugating Tetrahymena. Allis CD, et al. **Proc Natl Acad Sci USA** 1985 Dec;82(23):8048–52
Footprinting of ribosomal RNA genes by transcription initiation factor and RNA polymerase I. Bateman E, et al. **Proc Natl Acad Sci USA** 1985 Dec;82(23):8004–8
Herpes simplex virus immediate early infected-cell polypeptide 4 binds to DNA and promotes transcription. Beard P, et al. **Proc Natl Acad Sci USA** 1986 Jun; 83(11):4016–20
Transcription antitermination during influenza viral template RNA synthesis requires the nucleocapsid protein and the absence of a 5' capped end. Beaton AR, et al. **Proc Natl Acad Sci USA** 1986 Sep;83(17):6282–6
Molecular analysis of the DNA sequences involved in the transcriptional regulation of the phosphate-repressible acid phosphatase gene (PHO5) of Saccharomyces cerevisiae. Bergman LW, et al. **Proc Natl Acad Sci USA** 1986 Aug; 83(16):6070–4
Functions of and interactions between the A and B blocks in adenovirus type 2-specific VARNA1 gene. Cannon RE, et al. **Proc Natl Acad Sci USA** 1986 Mar;83(5):1285–9
Infectious RNA derived by transcription from cloned cDNA copies of the genomic RNA of an insect virus. Dasmahapatra B, et al. **Proc Natl Acad Sci USA** 1986 Jan; 83(1):63–6
lac Repressor blocks transcribing RNA polymerase and terminates transcription. Deuschle U, et al. **Proc Natl Acad Sci USA** 1986 Jun;83(12):4134–7
A long and complex enhancer activates transcription of the gene coding for the highly abundant immediate early mRNA in murine cytomegalovirus. Dorsch-Häsler K, et al. **Proc Natl Acad Sci USA** 1985 Dec;82(24):8325–9
Developmental regulation of c-myb in normal myeloid progenitor cells. Duprey SP, et al. **Proc Natl Acad Sci USA** 1985 Oct;82(20):6937–41
Total DNA transcription in vitro: a procedure to detect highly repetitive and transcribable sequences with tRNA-like structures. Endoh H, et al. **Proc Natl Acad Sci USA** 1986 Jan;83(2):251–5
Primer-dependent eukaryotic RNA polymerase capable of accurate transcription from the adenovirus major late promoter in a reconstituted system. Fradkin LG, et al. **Proc Natl Acad Sci USA** 1985 Dec;82(23):7979–83
Extra-atrial expression of the gene for atrial natriuretic factor. Gardner DG, et al. **Proc Natl Acad Sci USA** 1986 Sep;83(18):6697–701
Yeast RPO41 gene product is required for transcription and maintenance of the mitochondrial genome. Greenleaf AL, et al. **Proc Natl Acad Sci USA** 1986 May;83(10):3391–4
The modulation of Hb F synthesis in adult erythroid progenitor (burst-forming unit) cultures reflects changes in gamma-globin gene transcription and chromatin structure. Groudine M, et al. **Proc Natl Acad Sci USA** 1986 Sep;83(18):6887–91
Molecular cloning, germ-line transformation, and transcriptional analysis of the zeste locus of Drosophila melanogaster. Gunaratne PH, et al. **Proc Natl Acad Sci USA** 1986 Feb;83(3):701–5
Each of three "TATA elements" specifies a subset of the transcription initiation sites at the CYC-1 promoter of Saccharomyces cerevisiae. Hahn S, et al. **Proc Natl Acad Sci USA** 1985 Dec;82(24):8562–6
Regulation of expression of the human interferon gamma gene. Hardy KJ, et al. **Proc Natl Acad Sci USA** 1985 Dec; 82(23):8173–7
Specific transcription of preformed nucleoprotein complexes, containing the adenovirus major late promoter, with a chromatographic fraction containing RNA polymerase II. Hellwig RJ, et al. **Proc Natl Acad Sci USA** 1985 Oct; 82(20):6769–73
Products of nitrogen regulatory genes ntrA and ntrC of enteric bacteria activate glnA transcription in vitro: evidence that the ntrA product is a sigma factor. Hirschman J, et al. **Proc Natl Acad Sci USA** 1985 Nov;82(22):7525–9
Transcription of glnA by purified Escherichia coli components: core RNA polymerase and the products of glnF, glnG, and glnL. Hunt TP, et al. **Proc Natl Acad Sci USA** 1985 Dec;82(24):8453–7
Interactions of the RNA polymerase of bacteriophage T7 with its promoter during binding and initiation of transcription. Ikeda RA, et al. **Proc Natl Acad Sci USA** 1986 Jun;83(11):3614–8
Gyration is required for 5S RNA transcription from a chromatin template. Kmiec EB, et al. **Proc Natl Acad Sci USA** 1986 Mar;83(5):1305–9
Adenovirus early region 1A protein increases the number of template molecules transcribed in cell-free extracts. Leong K, et al. **Proc Natl Acad Sci USA** 1986 Aug; 83(16):5844–8
Rat cellular retinol-binding protein II: use of a cloned cDNA to define its primary structure, tissue-specific expression, and developmental regulation. Li E, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(16):5779–83
The relationship between the "TATA" sequence and transcription initiation sites at the HIS4 gene of Saccharomyces cerevisiae. Nagawa F, et al. **Proc Natl Acad Sci USA** 1985 Dec;82(24):8557–61
Covalent modification of the glnG product, NRI, by the glnL product, NRII, regulates the transcription of the glnALG operon in Escherichia coli. Ninfa AJ, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(16):5909–13
Mechanism for the autogenous control of the crp operon: transcriptional inhibition by a divergent RNA transcript. Okamoto K, et al. **Proc Natl Acad Sci USA** 1986 Jul; 83(14):5000–4
Construction and properties of Tn917-lac, a transposon derivative that mediates transcriptional gene fusions in Bacillus subtilis. Perkins JB, et al. **Proc Natl Acad Sci USA** 1986 Jan;83(1):140–4
One pyrimidine dimer inactivates expression of a transfected gene in xeroderma pigmentosum cells. Protić-Sabljić M, et al. **Proc Natl Acad Sci USA** 1985 Oct;82(19):6622–6
Bacteriophage T7 DNA polymerase: cloning and high-level expression. Reutimann H, et al. **Proc Natl Acad Sci USA** 1985 Oct;82(20):6783–7
Regulated expression of ras gene constructs in Dictyostelium transformants. Reymond CD, et al. **Proc Natl Acad Sci USA** 1985 Oct;82(20):7005–9
Location of cis-acting regulatory sequences in the human T-cell leukemia virus type I long terminal repeat. Rosen CA, et al. **Proc Natl Acad Sci USA** 1985 Oct;82(19):6502–6
Transcriptional activation encoded by the v-fos gene. Setoyama C, et al. **Proc Natl Acad Sci USA** 1986 May; 83(10):3213–7
Cellular localization of proenkephalin mRNA in rat brain: gene expression in the caudate-putamen and cerebellar cortex. Shivers BD, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(16):6221–5
Transcriptional control elements of hepatitis B surface antigen gene. Siddiqui A, et al. **Proc Natl Acad Sci USA** 1986 Feb;83(3):566–70
Identification of a factor in HeLa cells specific for an upstream transcriptional control sequence of an E1A-inducible adenovirus promoter and its relative abundance in infected and uninfected cells. SivaRaman L, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(16):5914–8
U1, U2, and U6 small nuclear ribonucleoproteins (snRNPs) are associated with large nuclear RNP particles containing transcripts of an amplified gene in vivo. Sperling R, et al. **Proc Natl Acad Sci USA** 1986 Sep;83(18):6721–5
Naturally occurring poly(dA-dT) sequences are upstream promoter elements for constitutive transcription in yeast. Struhl K. **Proc Natl Acad Sci USA** 1985 Dec;82(24):8419–23
A method to detect and characterize point mutations in transcribed genes: amplification and overexpression of the mutant c-Ki-ras allele in human tumor cells. Winter E, et al. **Proc Natl Acad Sci USA** 1985 Nov;82(22):7575–9
Identification of a positive retroregulator that stabilizes mRNAs in bacteria. Wong HC, et al. **Proc Natl Acad Sci USA** 1986 May;83(10):3233–7
Upstream sequences confer distinctive transcriptional properties on genes encoding silkgland-specific tRNAAla. Young LS, et al. **Proc Natl Acad Sci USA** 1986 Jan; 83(2):374–8
The regulation of cellular transcription by Simian virus 40 large T-antigen. Rigby PW, et al. **Proc R Soc Lond [Biol]** 1985 Oct 22;226(1242):15–23
Developmental changes in the methylation pattern, chromatin conformation and expression of the rat phosphoenolpyruvate carboxykinase gene. Benvenisty N, et al. **Prog Clin Biol Res** 1985;198:185–99
Gene expression in transgenic Xenopus laevis. Etkin LD. **Prog Clin Biol Res** 1986;217A:11–6
Developmental regulation of transcript splicing in Drosophila melanogaster. Falkenthal S. **Prog Clin Biol Res** 1986; 217A:239–42
Transcriptional activation of an embryonic globin gene in adult erythroid cells in vivo. Ginder GD, et al. **Prog Clin Biol Res** 1985;191:463–74
Methylation and gamma-globin expression. Murray E, et al. **Prog Clin Biol Res** 1985;198:157–76
Differential gene expression during lectin induced transformation of human lymphocytes. Muscat GE, et al. **Prog Clin Biol Res** 1986;217A:7–10
Studies on messenger RNA 3' end formation in globin genes: a transcriptional interference model for globin gene switching. Proudfoot NJ, et al. **Prog Clin Biol Res** 1985; 191:49–65 (35 ref.)
Expression of MTV sequences introduced into the mouse germline. Ross SR. **Prog Clin Biol Res** 1986;217A:23–6
An illustrated guide to the structure of the human cytomegalovirus genome and a review of transcription data. Somogyi T, et al. **Prog Med Virol** 1986;33:99–133 (127 ref.)
Correlations between prostate chromatin structure and transcriptional activity and acceptor site distribution. Davies P, et al. **Prostate** 1986;8(2):151–66
Nuclear matrix proteins are crosslinked to transcriptionally active gene sequences by ionizing radiation. Chiu SM, et al. **Radiat Res** 1986 Jul;107(1):24–38
Differential expression of the human calcitonin—CGRP gene in medullary thyroid carcinoma and lung carcinoma cell lines. Craig RK, et al. **Recent Results Cancer Res** 1985; 99:71–8
Cyanobacterial light-harvesting complex subunits encoded in two red light-induced transcripts. Conley PB, et al. **Science** 1985 Nov 1;230(4725):550–3
Identification of a transcriptional enhancer element upstream from the proto-oncogene fos. Deschamps J, et al. **Science** 1985 Dec 6;230(4730):1174–7
Gene expression in mice after high efficiency retroviral-mediated gene transfer. Eglitis MA, et al. **Science** 1985 Dec 20;230(4732):1395–8
Transcription of class III genes activated by viral immediate

early proteins. Gaynor RB, et al. **Science** 1985 Oct 25; 230(4724):447–50

Bidirectional SV40 transcription mediated by tandem Sp1 binding interactions. Gidoni D, et al. **Science** 1985 Nov 1;230(4725):511–7

Separation of DNA binding from the transcription-activating function of a eukaryotic regulatory protein. Keegan L, et al. **Science** 1986 Feb 14;231(4739):699–704

E1A transcription induction: enhanced binding of a factor to upstream promoter sequences. Kovesdi I, et al. **Science** 1986 Feb 14;231(4739):719–22

Enhanced transcription of c-myc in bursal lymphoma cells requires continuous protein synthesis. Linial M, et al. **Science** 1985 Dec 6;230(4730):1126–32

Characterization of influenza viral transcriptional complexes. Rochovansky OM. **Trans NY Acad Sci** 1983;41:187–98

Differential effects of defective interfering Semliki Forest virus on cellular and virus polypeptide synthesis. Barrett AD, et al. **Virology** 1985 Apr 15;142(1):59–67

Transcriptional mapping of early RNA from regions of the Shope fibroma and malignant rabbit fibroma virus genomes. Cabirac GF, et al. **Virology** 1986 Aug;153(1):53–69

Mouse mammary tumor virus gene expression regulated in trans by Lps locus. Carr JK, et al. **Virology** 1985 Nov; 147(1):210–3

Theiler's virus RNA and protein synthesis in the central nervous system of demyelinating mice. Cash E, et al. **Virology** 1985 Jul 15;144(1):290–4

Comparison of the transcriptional properties of the Friend and Moloney retrovirus long terminal repeats: importance of tandem duplications and of the core enhancer sequence. Clark SP, et al. **Virology** 1985 Jul 30;144(2):481–94

Nucleotide sequences of the 1B and 1C nonstructural protein mRNAs of human respiratory syncytial virus. Collins PL, et al. **Virology** 1985 Jun;143(2):442–51

Transcription of Bacillis subtilis plasmid pBD64 and expression of bacteriophage SPO1 genes cloned therein. Curran JF, et al. **Virology** 1985 Apr 15;142(1):98–111

Transcription and replication of eight RNA segments of influenza virus. Enami M, et al. **Virology** 1985 Apr 15; 142(1):68–77

Interferon action: transcriptional control of a gene specifying a 56,000-Da protein in Ehrlich ascites tumor cells. Engel DA, et al. **Virology** 1985 Apr 30;142(2):389–97

Size and map locations of early transcription products on the Autographa californica nuclear polyhedrosis virus genome. Erlandson MA, et al. **Virology** 1985 Apr 15; 142(1):12–23

Transcriptive complex of Newcastle disease virus. II. Structural and functional assembly associated with the cytoskeletal framework. Hamaguchi M, et al. **Virology** 1985 Dec;147(2):295–308

The short unique region of the B95-8 Epstein-Barr virus genome. Hudson GS, et al. **Virology** 1985 Nov;147(1):81–98

Analyses of the mRNA transcription processes of Punta Toro phlebovirus (Bunyaviridae). Ihara T, et al. **Virology** 1985 Dec;147(2):317–25

Nucleotide sequencing and transcriptional mapping of the Orgyia pseudotsugata multicapsid nuclear polyhedrosis virus p10 gene. Leisy DJ, et al. **Virology** 1986 Sep; 153(2):157–67

Presence in infected cells of nonvirion proteins encoded by adenovirus messenger RNAs of the major late transcription regions L0 and L1. Lewis JB, et al. **Virology** 1985 Jun; 143(2):452–66

Thermosensitivity of frog virus 3 genome expression: defect in early transcription. Lopez C, et al. **Virology** 1986 Jul 30;152(2):365–74

Oncogene expression in murine splenic T cells and in murine T-cell neoplasms. Mally MI, et al. **Virology** 1985 Jul 15; 144(1):115–26

The phage SPO1-specific RNA polymerase, E.gp28, recognizes its cognate promoters in thymine-containing DNA. Romeo JM, et al. **Virology** 1986 Aug;153(1):46–52

Infection of a Chlorella-like alga with the virus PBCV-1: transcriptional studies. Schuster AM, et al. **Virology** 1986 Jan 15;148(1):181–9

Appearance of viral RNA transcripts in the early stage of duck hepatitis B virus infection. Tagawa M, et al. **Virology** 1986 Jul 30;152(2):477–82

Monoclonal antibodies to the matrix protein of vesicular stomatitis virus (New Jersey serotype) and their effects on viral transcription. Ye Z, et al. **Virology** 1985 Jun; 143(2):657–62

Oriented synthesis and cloning of influenza virus nucleoprotein cDNA that leads to its expression in mammalian cells. Portela A, et al. **Virus Res** 1985 Dec; 4(1):69–82

Identification of the sequence content of four polycistronic transcripts synthesized in Newcastle disease virus infected cells. Wilde A, et al. **Virus Res** 1986 Jul;5(1):77–95

[Studies on DNA sequence that mediates induction of human interferon-beta gene expression] Fujita T. **Tanpakushitsu Kakusan Koso** 1985 Dec;30(14 Suppl):1640–8 **(Jpn)**

[Transcriptional regulation of yeast genes for galactose metabolism] Fukasawa T, et al. **Tanpakushitsu Kakusan Koso** 1985 Dec;30(14 Suppl):1491–502 (43 ref.) **(Jpn)**

[Transcriptional regulation of adenovirus E4 gene] Handa H, et al. **Tanpakushitsu Kakusan Koso** 1985 Dec;30(14 Suppl):1570–9 **(Jpn)**

[Transcription of tetrahymena ribosomal RNA gene] Higashinakagawa T, et al. **Tanpakushitsu Kakusan Koso** 1985 Dec;30(14 Suppl):1679–93 (22 ref.) **(Jpn)**

[Analysis of promoter function by the use of in vitro genetics] Hirose S, et al. **Tanpakushitsu Kakusan Koso** 1985 Dec; 30(14 Suppl):1550–7 (28 ref.) **(Jpn)**

[Role of the promoter in transcription] Ishihama A, et al. **Tanpakushitsu Kakusan Koso** 1985 Sep;(28):90–101 (30 ref.) **(Jpn)**

[An approach to regulatory mechanisms of transcriptional termination in eukaryotic cells on reference to bacterial systems] Ishii S, et al. **Tanpakushitsu Kakusan Koso** 1985 Dec;30(14 Suppl):1768–81 **(Jpn)**

[Analysis of the promoter function of cellular slime mold actin genes in the cell-free transcription system] Iwabuchi M, et al. **Tanpakushitsu Kakusan Koso** 1985 Dec;30(14 Suppl):1590–607 (44 ref.) **(Jpn)**

[The current situation of the studies on the transcription regulation of eukaryotic genes] Iwabuchi M, et al. **Tanpakushitsu Kakusan Koso** 1985 Dec;30(14 Suppl):1475–90 (171 ref.) **(Jpn)**

[Involvement of the 5' end region in the tissue-specific regulation of a chicken delta-crystallin gene] Kondoh H, et al. **Tanpakushitsu Kakusan Koso** 1985 Dec;30(14 Suppl):1633–9 **(Jpn)**

[Template structure and in vitro transcriptional regulation] Matsui T. **Tanpakushitsu Kakusan Koso** 1985 Dec;30(14 Suppl):1580–9 (35 ref.) **(Jpn)**

[Expression of bean phaseolin gene after Ti plasmid-mediated transfer to sunflower and tobacco] Murai N. **Tanpakushitsu Kakusan Koso** 1985 Dec;30(14 Suppl):1517–33 (21 ref.) **(Jpn)**

[Transcription signals and regulatory factors of mammalian ribosomal RNA genes] Muramatsu M, et al. **Tanpakushitsu Kakusan Koso** 1985 Dec;30(14 Suppl):1673–8 (29 ref.) **(Jpn)**

[Regulation of eukaryotic transcription by RNA polymerase II stimulatory factors] Nakanishi Y, et al. **Tanpakushitsu Kakusan Koso** 1985 Dec;30(14 Suppl):1659–72 **(Jpn)**

[Transcriptional regulation of ribulosebiphosphate carboxylase gene by light] Sasaki Y. **Tanpakushitsu Kakusan Koso** 1985 Dec;30(14 Suppl):1503–16 (50 ref.) **(Jpn)**

[Regulation of rDNA transcription in Xenopus embryogenesis] Shiokawa K, et al. **Tanpakushitsu Kakusan Koso** 1985 Dec;30(14 Suppl):1534–49 (65 ref.) **(Jpn)**

[Possible role of the upstream region of the fibroin gene in the formation of transcription complexes in vitro] Tsuda M, et al. **Tanpakushitsu Kakusan Koso** 1985 Dec;30(14 Suppl):1608–19 (41 ref.) **(Jpn)**

[Studies on the expression of cloned genes introduced into mouse germ line] Yamamura K. **Tanpakushitsu Kakusan Koso** 1985 Dec;30(14 Suppl):1558–69 (45 ref.) **(Jpn)**

[delta-Crystallin genes—structure and control of in vitro and in vivo transcription] Yasuda K, et al. **Tanpakushitsu Kakusan Koso** 1985 Dec;30(14 Suppl):1620–32 (45 ref.) **(Jpn)**

[Molecular mechanism of initiation of the chromosomal replication and its regulation in Bacillus subtilis] Yoshikawa H. **Yakugaku Zasshi** 1985 Nov;105(11):1019–28 (Eng. Abstr.) **(Jpn)**

[Autolytic degradation of RNA: effect of autolysates and native preparations of pre-mRNA on the level of transcription in model systems in vitro and in vivo] Bekman EM, et al. **Biokhimiia** 1985 Nov;50(11):1843–52 (Eng. Abstr.) **(Rus)**

[2 methodological approaches to the problem of the tissue specificity of transcription] Vitvitskii VN. **Biol Nauki** 1985; (8):25–8 (Eng. Abstr.) **(Rus)**

[Morphometric and autoradiographic analysis of protein biosynthesis and the transcription apparatus in sympathetic neurons of normal and partially sympathectomized rats] Chuchkova NN, et al. **Biull Eksp Biol Med** 1986 Jan; 101(1):92–4 (Eng. Abstr.) **(Rus)**

[Amplification of the transcription-active DNA sequence in the human brain] Iakovlev AG, et al. **Dokl Akad Nauk SSSR** 1985;284(2):487–90 **(Rus)**

[Nucleotide sequence and transcription of the highly repetitive EcoRI-sequences in the rat DNA] Il'ves KhN, et al. **Dokl Akad Nauk SSSR** 1986;287(2):448–51 **(Rus)**

[The role of HMG-proteins in the structural-functional state of chromatin] Kalontarov AI, et al. **Dokl Akad Nauk SSSR** 1986;287(3):728–31 **(Rus)**

[Transcription of globin genes in native and reconstituted chromatin of erythroid cells] Pereslein TIu, et al. **Dokl Akad Nauk SSSR** 1985;282(5):1267–71 **(Rus)**

[Structure of long terminal repeats of transcriptionally active and inactive copies of the mobile dispersed gene MDG3 in Drosophila melanogaster] Dzhumgaliev EB, et al. **Genetika** 1986 Mar;22(3):368–77 (Eng. Abstr.) **(Rus)**

[Fine structure of long terminal repeats and stages of reverse transcription of mobile dispersed genes in Drosophila] Mazo AM, et al. **Genetika** 1986 Mar;22(3):378–89 (Eng. Abstr.) **(Rus)**

[Effect of superhelical DNA on the transcription of cloned genes of the T4 phage] Ogryz'ko VV, et al. **Mol Biol (Mosk)** 1986 May-Jun;20(3):745–50 (Eng. Abstr.) **(Rus)**

[Association of transcription-active DNA fraction with the nuclear skeleton is altered during incubation of nuclei in solutions of low ionic strength] Razin SV, et al. **Mol Biol (Mosk)** 1986 May-Jun;20(3):646–55 (Eng. Abstr.) **(Rus)**

[The role of ppGpp in the coordination of transcription of the ribosomal protein genes rplKAJL and RNA-polymerase rpoBC genes in Escherichia coli cells] Shakulov RS, et al. **Mol Biol (Mosk)** 1985 Nov-Dec; 19(6):1603–9 (Eng. Abstr.) **(Rus)**

[Bacteriophages T3 and T7: transcription-dependent mechanism of phage DNA transport into the cell during infection] Zavriev SK, et al. **Mol Biol (Mosk)** 1986 Mar-Apr;20(2):415–22 (Eng. Abstr.) **(Rus)**

[Elements of the genome regulating structural gene transcription in eukaryotes] Gazarian KG, et al. **Ontogenez** 1985 Jul-Aug;16(4):325–45 (115 ref.) (Eng. Abstr.) **(Rus)**

[Directed changes in the fatty acid spectrum of nuclear lipids and the functional state of the cellular genome] Babenko NA. **Ukr Biokhim Zh** 1986 May-Jun;58(3):40–7 (Eng. Abstr.) **(Rus)**

[Relation between DNA transcription and repair in stress] Meerson FZ, et al. **Vopr Med Khim** 1986 Jan-Feb; 32(1):107–10 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Yeast class III gene transcription factors and homologous RNA polymerase III form ternary transcription complexes stable to disruption by N-lauroyl-sarcosine (sarcosyl). Klekamp MS, et al. **Arch Biochem Biophys** 1986 May 1; 246(2):783–800

RNA synthesis and aminoacyl transfer RNA activity of L-2071 cells exposed to dieldrin and DDT. Chung RA, et al. **Arch Environ Contam Toxicol** 1986 Sep;15(5):581–8

The yeast SRP gene: positive modulation by glucose of its transcriptional expression. Marguet D, et al. **Biochem Biophys Res Commun** 1986 Jul 16;138(1):297–303

Ultraviolet light-induced crosslinking of two major phosphoproteins and poly(A)+RNA from free polyribosomes; changes in phosphorylation by inhibitors of transcription and translation. Schweiger A, et al. **Biochem Biophys Res Commun** 1986 Apr 14;136(1):356–61

The action of actinomycin D on the transcription of T7 coliphage DNA by Escherichia coli RNA polymerase. Flamée PA. **Biochem J** 1985 Sep 1;230(2):557–60

Changes of renal mRNA species abundance by ochratoxin A. Meisner H, et al. **Biochem Pharmacol** 1986 Feb 15; 35(4):661–5

Tissue-specific hypomethylation and expression of rat phosphoenolpyruvate carboxykinase gene induced by in vivo treatment of fetuses and neonates with 5-azacytidine. Benvenisty N, et al. **Biochemistry** 1985 Sep 10; 24(19):5015–9

Glucocorticoids decrease the synthesis of type I procollagen mRNAs. Cockayne D, et al. **Biochemistry** 1986 Jun 3; 25(11):3202–9

Tissue-specific regulation of two functional malic enzyme mRNAs by triiodothyronine. Dozin B, et al. **Biochemistry** 1985 Sep 24;24(20):5581–6

Effects of 5-fluorouracil on globin mRNA synthesis in murine erythroleukemia cells. Iwata T, et al. **Biochemistry** 1986 May 6;25(9):2703–7

Transcription by T7 RNA polymerase is not zinc-dependent and is abolished on amidomethylation of cysteine-347. King GC, et al. **Biochemistry** 1986 Jan 14;25(1):36–40

Thyroid hormone regulates transcription of the gene for cytosolic phosphoenolpyruvate carboxykinase (GTP) in rat liver. Loose DS, et al. **Biochemistry** 1985 Aug 13; 24(17):4509–12

Transcriptional switch from albumin to alpha-fetoprotein and changes in transcription of other genes during carbon tetrachloride induced liver regeneration. Panduro A, et al. **Biochemistry** 1986 Mar 25;25(6):1414–20

Modulation of the sensitivity of chromatin to exogenous nucleases: implications for the apparent increased sensitivity of transcriptionally active genes. Walker PR, et al. **Biochemistry** 1986 Jul 1;25(13):3839–45

The hepatic glucocorticoid domain: evidence for early and late hormone-mediated changes in the synthesis of individual protein gene products. Colbert RA, et al. **Biochim Biophys Acta** 1985 Oct 3;826(1):49–66

Polyamines stimulate DNA-dependent RNA synthesis catalyzed by vaccinia virus. Moussatché N. **Biochim Biophys Acta** 1985 Nov 13;826(2-3):113–20

Oligodeoxynucleotides covalently linked to intercalating agents: a new class of gene regulatory substances. Hélène C, et al. **Biochimie** 1985 Jul-Aug;67(7-8):777–83

The skin tumor-promoter 12-O-tetradecanoylphorbol-13-acetate induces transcription of the c-fos proto-oncogene in human bladder epithelial cells. Skouv J, et al. **Carcinogenesis** 1986 Feb; 7(2):331–3

Glucocorticoid responsiveness of the transcriptional enhancer of Moloney murine sarcoma virus. Miksicek R, et al. **Cell** 1986 Jul 18;46(2):283–90

Three morphogenetic waves in early development of Physa acuta (Gastropoda, Pulmonata). Vela JA. **Cell Biol Int Rep** 1985 Oct;9(10):939–43

Initiation of transcription in nuclei is inhibited by captan. Vinocour M, et al. **Chem Biol Interact** 1985 Dec 31; 56(2-3):289–301

Hormonally induced alterations of chromatin structure in the

polyadenylation and transcription termination regions of the chicken ovalbumin gene. Bellard M, et al. **EMBO J** 1986 Mar;5(3):567–74

Interleukin–3–dependent expression of the c–myc and c–fos proto–oncogenes in hemopoietic cell lines. Conscience JF, et al. **EMBO J** 1986 Feb;5(2):317–23

Estrogen induced prolactin mRNA accumulation in adult male rat pituitary as revealed by in situ hybridization. Nogami H, et al. **Endocrinol Jpn** 1985 Oct;32(5):625–34

Dissociation of hepatic messenger ribonucleic acidS14 levels and nuclear transcriptional rates in suckling rats. Jump DB, et al. **Endocrinology** 1986 May;118(5):1892–6

Triiodothyronine (T3) regulation of thyrotropin subunit gene transcription is proportional to T3 nuclear receptor occupancy. Shupnik MA, et al. **Endocrinology** 1986 Jan; 118(1):367–71

Immunolocalization of nucleolar proteins after D–galactosamine–induced inhibition of transcription in rat hepatocytes. Maintenance of association of RNA polymerase I with inactivated nucleolar chromatin. Hadjiolova K, et al. **Exp Cell Res** 1986 Aug;165(2):481–93

Transient transcriptional inhibition of the transferrin gene by cyclic AMP. Tuil D, et al. **FEBS Lett** 1985 Sep 23; 189(2):310–4

Interleukin 2 induces synthesis of polypeptides in an interleukin 2–dependent cell line by transcription and translation. Yoshie O, et al. **Immunol Lett** 1985; 11(5–6):325–30

Effect of selenium (selenite) on DNA and RNA synthetic activities in mouse liver, kidney and spleen following 7,12–dimethylbenz(alpha) anthracene administration. Gulati N, et al. **Indian J Exp Biol** 1986 Feb;24(2):85–7

Modulation by concanavalin A of the hormonal response in DNA–synthetic and transcriptional activity of a mouse mammary adenocarcinoma culture. Papaphilis AD. **Int J Biochem** 1986;18(5):415–22

Gene expression at each stage of the life cycle of spore–forming bacteria: different sensitivity of transcription to antibiotics which act on DNA gyrase. Matsuda M, et al. **J Basic Microbiol** 1985;25(7):443–9

Hormonal regulation of transcription of rDNA. Initiation of transcription by RNA polymerase I in vitro. Cavanaugh AH, et al. **J Biol Chem** 1986 Sep 25;261(27):12738–44

Mechanism of the dexamethasone effect on alpha–fetoprotein gene expression in McA–RH8994 rat hepatoma cells. Cook JR, et al. **J Biol Chem** 1986 Apr 5;261(10):4663–8

Cyclic AMP and phorbol esters separately induce growth inhibition, calcitonin secretion, and calcitonin gene transcription in cultured human medullary thyroid carcinoma. deBustros A, et al. **J Biol Chem** 1986 Jun 15; 261(17):8036–41

The effects of cycloheximide upon transcription of rRNA, 5 S RNA, and tRNA genes. Gokal PK, et al. **J Biol Chem** 1986 Feb 25;261(6):2536–41

Immune interferon suppresses levels of procollagen mRNA and type II collagen synthesis in cultured human articular and costal chondrocytes. Goldring MB, et al. **J Biol Chem** 1986 Jul 5;261(19):9049–55

Control of gene expression by 2,3,7,8–tetrachlorodibenzo–p–dioxin. Multiple dioxin–responsive domains 5'–ward of the cytochrome P1–450 gene. Jones PB, et al. **J Biol Chem** 1986 May 25; 261(15):6647–50

Acute phase mediators and glucocorticoids elevate alpha 1–acid glycoprotein gene transcription. Kulkarni AB, et al. **J Biol Chem** 1985 Dec 15;260(29):15386–9

Glucocorticoids regulate the transcription of glycerol phosphate dehydrogenase in cultured glial cells. Kumar S, et al. **J Biol Chem** 1985 Nov 25;260(27):14743–7

Regulation of growth hormone mRNA synthesis by 3,5,3'–triiodo–L–thyronine in cultured growth hormone–producing rat pituitary tumor cells (GC cells). Dissociation between nuclear iodothyronine receptor concentration and growth hormone mRNA synthesis during the deoxyribonucleic acid synthesis phase of the cell cycle. Kumara–Siri MH, et al. **J Biol Chem** 1985 Nov 25;260(27):14529–37

Transcriptional induction by interferon. New protein(s) determine the extent and length of the induction. Larner AC, et al. **J Biol Chem** 1986 Jan 5;261(1):453–9

Differential induction of vitellogenin gene transcription and total transcriptional activity by estrogen in Xenopus laevis liver. Martin MB, et al. **J Biol Chem** 1986 Feb 15; 261(5):2355–61

Molecular mechanisms of phorbol ester, thyrotropin–releasing hormone, and growth factor stimulation of prolactin gene transcription. Murdoch GH, et al. **J Biol Chem** 1985 Sep 25;260(21):11852–8

Control of insulin gene expression in pancreatic beta–cells and in an insulin–producing cell line, RIN–5F cells. I. Effects of glucose and cyclic AMP on the transcription of insulin mRNA. Nielsen DA, et al. **J Biol Chem** 1985 Nov 5;260(25):13585–9

Transcriptional and post–transcriptional regulation of L–type pyruvate kinase in diabetic rat liver by insulin and dietary fructose. Noguchi T, et al. **J Biol Chem** 1985 Nov 15; 260(26):14393–7

Alterations in local chromatin structure accompany thyroid hormone induction of growth hormone gene transcription. Nyborg JK, et al. **J Biol Chem** 1986 May 5;261(13):5685–8

Interferons as gene activators. Cloning of the 5' terminus and the control segment of an interferon activated gene. Samanta H, et al. **J Biol Chem** 1986 Sep 5;261(25):11849–58

Coordinate induction of multiple cytochrome c mRNAs in response to thyroid hormone. Scarpulla RC, et al. **J Biol Chem** 1986 Apr 5;261(10):4660–2

Transcriptional regulation of thyrotropin subunit genes by thyrotropin–releasing hormone and dopamine in pituitary cell culture. Shupnik MA, et al. **J Biol Chem** 1986 Sep 25;261(27):12675–9

High mobility group proteins 1 and 2 stimulate transcription in vitro by RNA polymerases II and III. Tremethick DJ, et al. **J Biol Chem** 1986 May 25;261(15):6986–92

Casein kinase type II is involved in the inhibition by 5,6–dichloro–1–beta–D–ribofuranosylbenzimidazole of specific RNA polymerase II transcription. Zandomeni R, et al. **J Biol Chem** 1986 Mar 5;261(7):3414–9

Posttranslational phosphorylation of specific chromosomal proteins and transcription of hnRNA genes in isolated nuclei: retention of in vivo sensitivity to 5,6–dichloro–1–beta–D–ribofuranosylbenzimidazole (DRB). Holst M, et al. **J Cell Biochem** 1985;29(2):115–26

Increase in urokinase plasminogen activator mRNA synthesis in human carcinoma cells is a primary effect of the potent tumor promoter, phorbol myristate acetate. Stoppelli MP, et al. **J Cell Biol** 1986 Apr;102(4):1235–41

Hydrogen peroxide toxicity may be enhanced by heat shock gene induction in Drosophila. Love JD, et al. **J Cell Physiol** 1986 Jan;126(1):60–8

Glucose induces intracisternal type A retroviral gene transcription and translation in pancreatic beta cells. Leiter EH, et al. **J Exp Med** 1986 Jan 1;163(1):87–100

A new type of human interferon produced by peripheral blood mononuclear cells treated with inhibitors of transcription. Dianzani F, et al. **J Interferon Res** 1986 Feb; 6(1):43–50

Transcript length heterogeneity at the small heat shock protein genes of Drosophila. Berger EM, et al. **J Mol Biol** 1985 Nov 5;186(1):137–48

Mechanism of apparent transcription inhibition by methyl mercury in cerebellar neurons. Sarafian T, et al. **J Neurochem** 1986 Aug;47(2):625–31

The catabolite gene activator protein (CAP) is not required for indole–3–acetic acid to activate transcription of the araBAD operon of Escherichia coli K–12. Ebright RH, et al. **MGG** 1985;201(1):51–5

Effect of acrylonitrile on the transcription of specific genes in Saccharomyces cerevisiae. Thiiroff E, et al. **MGG** 1986 Feb;202(2):336–7

Effects of hemin on a lymphoblastoid cell line that expresses the human epsilon– and gamma–globin genes. Brewer G, et al. **Mol Cell Biochem** 1985 Sep;68(1):11–22

Captan alters transcription in Escherichia coli permeabilized by toluene. Lewis RA, et al. **Mol Cell Biochem** 1985 Sep; 68(1):23–30

The effects of androgen on the transcription of specific genes in guinea pig seminal vesicle epithelium. Moore JT, et al. **Mol Cell Endocrinol** 1986 Aug;46(3):205–14

Cloning of cDNA sequences of a progestin–regulated mRNA from MCF7 human breast cancer cells. Chalbos D, et al. **Nucleic Acids Res** 1986 Jan 24;14(2):965–82

Novobiocin inhibits RNA polymerase III transcription in vitro by a mechanism distinct from DNA topoisomerase II. Gottesfeld JM. **Nucleic Acids Res** 1986 Mar 11; 14(5):2075–88

Alpha–amanitin insensitive transcription of the human epsilon–globin gene. Kollias G, et al. **Nucleic Acids Res** 1985 Nov 25;13(22):7993–8005

Down–regulation of glucocorticoid receptor mRNA by glucocorticoid hormones and recognition by the receptor of a specific binding sequence within a receptor cDNA clone. Okret S, et al. **Proc Natl Acad Sci USA** 1986 Aug; 83(16):5899–903

Transcription regulation of peroxisomal fatty acyl–CoA oxidase and enoyl–CoA hydratase/3–hydroxyacyl–CoA dehydrogenase in rat liver by peroxisome proliferators. Reddy JK, et al. **Proc Natl Acad Sci USA** 1986 Mar; 83(6):1747–51

Insulin regulates expression of the phosphoenolpyruvate carboxykinase gene. Granner DK, et al. **Recent Prog Horm Res** 1986;42:111–41 (53 ref.)

Functional relation between HTLV–II x and adenovirus E1A proteins in transcriptional activation. Chen IS, et al. **Science** 1985 Nov 1;230(4725):570–3

Stimulation of neuronal acetylcholine receptors induces rapid gene transcription. Greenberg ME, et al. **Science** 1986 Oct 3;234(4772):80–3

Different mechanisms for activation of gene transcription by interferons alpha and gamma. Faltynek CR, et al. **Virology** 1985 Jul 15;144(1):173–80

[Extraction of rat liver chromatin peptides and their effect on DNA transcription] Li SS, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1985 Aug; 7(4):285–8 (Eng. Abstr.) (Chi)

[Drug regulation of the opioid gene expression transcriptional level and its methodology] Zheng M. **Sheng Li Ko Hsueh Chin Chan** 1986 Jan;17(1):14–9 (49 ref.) (Chi)

[1–(3–C–methyl–beta–D–ribofuranosyl)uracil–5'–phosphate—a terminator of RNA synthesis catalyzed by RNA polymerase from E. coli] Aivazashvili VA, et al. **Bioorg Khim** 1986 Ma;;12(5):708–10 (Eng. Abstr.) (Rus)

[Changes in the transcription capacity of the chromatin of nerve and liver cells exposed to morphine and opioids] Iarygin VN, et al. **Tsitologiia** 1985 Oct;27(10):1150–5 (Eng. Abstr.) (Rus)

RADIATION EFFECTS

RNA and protein synthesis of irradiated Ehrlich ascites tumour cells. II. Amount of m–RNA and in vitro investigations. Skog S, et al. **Acta Radiol [Oncol]** 1985 Nov–Dec;24(6):549–53

Inhibition of small nuclear RNA synthesis by ultraviolet radiation. Morra DS, et al. **J Biol Chem** 1986 Mar 5; 261(7):3142–6

TRANSCRIPTIONAL REGULATORY ELEMENTS see **GENES, REGULATOR**

TRANSCULTURAL STUDIES see **CROSS–CULTURAL COMPARISON**

TRANSCUTANEOUS ADMINISTRATION see **ADMINISTRATION, TOPICAL**

TRANSDERMAL ADMINISTRATION see **ADMINISTRATION, TOPICAL**

TRANSDUCERS

The Rotterdam Teletransducer: state of the device. Maas AI, et al. **Acta Neurochir (Wien)** 1986;79(1):5–12

Portable transducer for measurement of episcleral venous pressure. Friberg TR. **Am J Ophthalmol** 1986 Sep 15; 102(3):396–7

Transducer system for the noninvasive recording of arterial pressure contours. Karr SG, et al. **Ann Biomed Eng** 1985; 13(5):425–42

Middle ear pressure in patients with middle ear effusion—direct measurement by pressure microtransducer. Kawabata I, et al. **Auris Nasus Larynx** 1985;12 Suppl 1:S108–10

A peripheral nerve information transducer for amputees: long–term multichannel recordings from rabbit peripheral nerves. Edell DJ. **IEEE Trans Biomed Eng** 1986 Feb; 33(2):203–14

Solid–state physical transducers for biomedical research. Ko WH. **IEEE Trans Biomed Eng** 1986 Feb;33(2):153–62

Analysis, design, and performance of a capacitive pressure sensor IC. Smith MJ, et al. **IEEE Trans Biomed Eng** 1986 Feb;33(2):163–74

Portable limb–load monitor utilizing a thin capacitive transducer. Miyazaki S, et al. **J Biomed Eng** 1986 Jan; 8(1):67–71

Measurement of shock wave pressures used for lithotripsy. Hunter PT, et al. **J Urol** 1986 Sep;136(3):733–8

Extended use of disposable pressure transducers. A bacteriologic evaluation. Luskin RL, et al. **JAMA** 1986 Feb 21;255(7):916–20

Optical method for determining the frequency response of pressure–measurement systems in respiratory mechanics. Farré R, et al. **Med Biol Eng Comput** 1986 Jan;24(1):78–82

Biosensors in clinical biochemistry. Vadgama P, et al. **Med Lab Sci** 1985 Oct;42(4):333–45 (131 ref.)

An ultrasensitive transducer for measurement of isometric contractile force from single heart cells. Tung L. **Pflugers Arch** 1986 Jul;407(1):109–15

A controlled investigation into the measurement properties of two circumferential penile strain gauges. Richards JC, et al. **Psychophysiology** 1985 Sep;22(5):568–71

Dynamic free–field headphone as hearing aid transducer. A preliminary report. Nielsen KO, et al. **Scand Audiol** 1986; 15(2):105–8

Transducers in medical ultrasound: Part Three. Transducer applications in echocardiology. Lancée CT, et al. **Ultrasonics** 1985 Sep;23(5):199–205

Transducers in medical ultrasound. Part 4: Transducer safety. Wells PN, et al. **Ultrasonics** 1986 Jul;24(4):230–2

[Laboratory experiment studies on quantitative blood flow measurement with the continuous–wave ultrasound Doppler procedure: I. Transducer evaluation] Hildebrandt J, et al. **Ultraschall Med** 1986 Apr;7(2):94–7 (Eng. Abstr.) (Ger)

[Study of the movements of soft tissues surrounding a denture (teeth)—trial construction of 3–D transducer] Nagao M, et al. **Kokubyo Gakkai Zasshi** 1986 Mar;53(1):8–14 (Eng. Abstr.) (Jpn)

[Method of inserting a catheter or a transducer into a vessel] Lautsiavichius A, et al. **Kardiologiia** 1985 Aug;25(8):95–6 (Rus)

TRANSDUCERS, PRESSURE see under **TRANSDUCERS**

TRANSDUCTION, GENETIC

Recipient characteristics in the transduction of methicillin resistance in Staphylococcus epidermidis. Blanchard TJ, et al. **Antimicrob Agents Chemother** 1986 Mar;29(3):539–41

The role of RNA molecules in transduction of the proto–oncogene c–fps. Huang CC, et al. **Cell** 1986 Mar 28;44(6):935–40

Transgenic plants. Horsch RB, et al. **Cold Spring Harbor Symp Quant Biol** 1985;50:433–7

Germ line specificity of P–element transposition and some novel patterns of expression of transduced copies of the white gene. Rubin GM, et al.

Cold Spring Harbor Symp Quant Biol 1985;50:329–35
In vivo transfer of chromosomal mutations onto multicopy plasmids by transduction with bacteriophage P1. Liljeström P, et al. **Gene** 1985;40(2–3):241–6
Clonal relationships among naturally occurring nicotinamide-requiring Salmonella typhimurium. Barker RM, et al. **Genet Res** 1985 Dec;46(3):241–50
Specialized transduction of Pseudomonas aeruginosa PAO by bacteriophage D3. Cavenagh MM, et al. **J Bacteriol** 1986 Feb;165(2):448–52
Isolation and characterization of nondefective transducing lambda bacteriophages carrying fla genes of Escherichia coli K-12. Kondoh H. **J Bacteriol** 1977 May;130(2):736–45
Bacteriophage SPO2-mediated plasmid transduction in transpositional mutagenesis within the genus Bacillus. Kopec LK, et al. **J Bacteriol** 1985 Dec;164(3):1283–7
Transfer of chromosomal mutations to plasmids via Hfr-mediated conduction. Park C, et al. **J Bacteriol** 1986 Jan;165(1):312–4
Transductional analysis of the cysII region of Pseudomonas aeruginosa. Schelenz HJ, et al. **J Basic Microbiol** 1986; 26(1):55–63
Identification of a new locus in the Escherichia coli cotransduction gap that represents a new genetic component of the L-asparagine utilization system. Chesney RH, et al. **J Gen Microbiol** 1985 Aug;131 (Pt 8):2079–85
Transduction complicates the detection of conjugative ability in lysogenic salmonella strains. Smith HW, et al. **J Gen Microbiol** 1985 Aug;131 (Pt 8):2087–9
Transfer of plasmid-borne aminoglycoside-resistance determinants in staphylococci. Townsend DE, et al. **J Med Microbiol** 1985 Oct;20(2):169–85
Temperate coliphage HK253: attachment site and restricted transduction of proAB mutants of Escherichia coli K-12. Poon AP, et al. **J Virol** 1986 Oct;60(1):317–9
Genetic selection of lambda phage clones from a gene clonotheque. Melnikov AA, et al. **MGG** 1986 May; 203(2):312–5
SV40 vector with early gene replacement efficient in transducing exogenous DNA into mammalian cells. Asano M, et al. **Nucleic Acids Res** 1985 Dec 9;13(23):8573–86
[Complete primary structure of DNA from the transducing bacteriophage lambda plac5] Shpakovskiĭ GV, et al. **Bioorg Khim** 1986 May;12(5):695–8 (Eng. Abstr.) **(Rus)**

TRANSFECTION

Differential translation of virogenic and oncogenic sequences in malignant lymphoproliferative diseases and transfection of coding DNAs into NIH 3T3 cells. Tóth FD, et al. **Acta Microbiol Hung** 1985;32(4):341–50
A vital staining method for measuring the efficiency of transfection of eucaryotic cells. Domen J, et al. **Anal Biochem** 1986 Jun;155(2):379–84
A nonchromatographic assay for expression of the chloramphenicol acetyltransferase gene in eucaryotic cells. Sleigh MJ. **Anal Biochem** 1986 Jul;156(1):251–6
Detection of transcription and translation in situ with biotinylated molecular probes in cells transfected with recombinant DNA plasmids. Smith GH, et al. **Anal Biochem** 1986 Jul;156(1):17–24
Transformation and transfection of anthracycline-producing streptomycetes. Lampel JS, et al. **Appl Environ Microbiol** 1986 Jan;51(1):126–31
Restoration of DNA repair in UV-sensitive Chinese hamster ovary cell by the denV gene from bacteriophage T4. Valerie K, et al. **Basic Life Sci** 1986;38:319–26
Induction of insulin release in fibroblasts transfected with genomic rat islet DNA. Klein BY, et al. **Biochem Biophys Res Commun** 1986 Apr 29;136(2):638–44
DNA-mediated gene transfer into epidermal cells using electroporation. Reiss M, et al. **Biochem Biophys Res Commun** 1986 May 29;137(1):244–9
Inhibition of protein synthesis enhances transformation of primary cells by viral DNA. Mak I, et al. **Biochem Cell Biol** 1986 Mar;64(3):256–63
Expression of a bacterial repair gene in mammalian cells. Backendorf C, et al. **Biochimie** 1985 Mar–Apr; 67(3–4):399–403
Transformation of chromosome breakage syndrome fibroblasts by SV40 DNA transfection. Shaham M, et al. **Cancer Genet Cytogenet** 1986 Feb 1;20(1–2):137–47
Effect of growth factors and methionine on glycolysis and methionine transport in rat fibroblasts and fibroblasts transfected with myc and ras genes. Resnick RJ, et al. **Cancer Res** 1986 Apr;46(4 Pt 1):1800–4
Transformation of rat hepatocytes by transfection with simian virus 40 DNA to yield proliferating differentiated cells. Woodworth C, et al. **Cancer Res** 1986 Aug;46(8):4018–26
Expression of transfected DNA depends on DNA topology. Weintraub H, et al. **Cell** 1986 Jul 4;46(1):115–22
A sensitive, nondestructive assay for transfected genes. Kenten JH, et al. **DNA** 1986 Jun;5(3):257–62
Detection of chloramphenicol acetyl transferase activity in transfected cells: a rapid and sensitive HPLC-based method. Young SL, et al. **DNA** 1985 Dec;4(6):469–75
Efficient expression of an Epstein-Barr nuclear antigen in Drosophila cells transfected with Epstein-Barr virus DNA. Allday MJ, et al. **EMBO J** 1985 Nov;4(11):2955–9
Human T cell recognition of cloned HLA class I gene products expressed on DNA transfectants of mouse mastocytoma P815. Maryanski JL, et al. **Eur J Immunol** 1985 Nov;15(11):1111–7
Factors affecting polybrene-mediated transfection of cultured Aedes albopictus (mosquito) cells. Fallon AM. **Exp Cell Res** 1986 Oct;166(2):535–42
The laser method for efficient introduction of foreign DNA into cultured cells. Kurata S, et al. **Exp Cell Res** 1986 Feb; 162(2):372–8
A polyoma-derived plasmid vector maintained episomally in both E. coli and mouse hepatoma cells. Mével-Ninio M, et al. **Exp Cell Res** 1986 Sep;166(1):63–76
Maintenance of expression of differentiated function of kidney cells following transformation by SV40 early region DNA. Scott DM, et al. **Exp Cell Res** 1986 Oct;166(2):391–8
Stable transformation of Drosophila Kc cells to antibiotic resistance with the bacterial neomycin resistance gene. Maisonhaute C, et al. **FEBS Lett** 1986 Mar 3;197(1–2):45–9
Transient assay, by [3H]guanine incorporation of Escherichia coli xanthine-guanine phosphoribosyl transferase (GPT) in transfected human fibroblasts. Burke JF, et al. **Gene** 1985; 40(1):93–8
Enhanced spontaneous metastasis of mouse carcinoma cells transfected with an activated c-Ha-ras-1 gene. Vousden KH, et al. **Int J Cancer** 1986 Mar 15;37(3):425–33
Deletion of clustered O-linked carbohydrates does not impair function of low density lipoprotein receptor in transfected fibroblasts. Davis CG, et al. **J Biol Chem** 1986 Feb 25; 261(6):2828–38
Secretion of rat serum albumin by COS cells transfected with a spliced cDNA gene. A system to study protein sorting. McCracken AA, et al. **J Biol Chem** 1986 Jan 15; 261(2):508–11
Sorting and endocytosis of viral glycoproteins in transfected polarized epithelial cells. Gottlieb TA, et al. **J Cell Biol** 1986 Apr;102(4):1242–55
Transformation of diploid human fibroblasts by DNA transfection with the v-sis oncogene. Fry DG, et al. **J Cell Physiol** 1986 Aug;128(2):313–21
Recovery of hormonal regulation in protein kinase defective adrenal cells through DNA-mediated gene transfer. Schimmer BP, et al. **J Cell Physiol** 1986 Jan;126(1):77–83
Transforming activity of human nasopharyngeal carcinoma DNA. Hu LF, et al. **J Cell Physiol [Suppl]** 1986;4:21–6
Changes in the phenotype of human small cell lung cancer cell lines after transfection and expression of the c-myc proto-oncogene. Johnson BE, et al. **J Clin Invest** 1986 Aug; 78(2):525–32
Transfection of Corynebacterium lilium protoplasts. Yeh P, et al. **J Gen Microbiol** 1985 Dec;131 (Pt 12):3179–83
Transformation of human 143 tk- cells with plasmids containing the gene encoding the adenovirus DNA-binding protein. Laanen HJ, et al. **J Gen Virol** 1985 Nov;66 (Pt 11):2395–406
H-2-restricted cytolysis of L cells doubly transformed with a cloned H-2Kb gene and cloned retroviral DNA. Abastado JP, et al. **J Immunol** 1985 Nov;135(5):3512–9
Species-restricted recognition of transfected HLA-A2 and HLA-B7 by human CTL clones. Mentzer SJ, et al. **J Immunol** 1986 Jul 15;137(2):408–13
Bone marrow-derived macrophage expression of endogenous and transfected class II MHC genes during differentiation in vitro. Pullen JK, et al. **J Immunol** 1986 Aug 15; 137(4):1359–65
Mouse L cells express a molecular complex carrying the human epitopes recognized by monoclonal antibodies 44D7 and 44H7 after DNA-mediated gene transfer. Quackenbush EJ, et al. **J Immunol** 1986 Jul 1;137(1):234–9
Expression of transfected human interferon-gamma DNA: evidence for cell-specific regulation. Young HA, et al. **J Immunol** 1986 Jun 15;136(12):4700–3
Steroid regulation of transfected genes in mouse mammary tumour cells. Darbre PD, et al. **J Steroid Biochem** 1986 Jan;24(1):125–31
Formation of deletions after initiation of simian virus 40 replication: influence of packaging limit of the capsid. Chang XB, et al. **J Virol** 1986 May;58(2):393–401
Development of a helper-independent human adenovirus vector and its use in the transfer of the herpes simplex virus thymidine kinase gene. Haj-Ahmad Y, et al. **J Virol** 1986 Jan;57(1):267–74
Transformation of primary human embryonic kidney cells to anchorage independence by a combination of BK virus DNA and the Harvey-ras oncogene. Pater A, et al. **J Virol** 1986 May;58(2):680–3
trans activation of the latent Epstein-Barr virus (EBV) genome after transfection of the EBV DNA fragment. Takada K, et al. **J Virol** 1986 Mar;57(3):1016–22
Expression of 100,000-Mr simian virus 40 (SV40) tumor antigen in mouse fibroblasts transfected with replication-defective SV40 genomes. Verderame MF, et al. **J Virol** 1986 Mar;57(3):857–63
Rescue of transfected genes from mammalian cells by functional selection in Escherichia coli. Strauss M, et al. **MGG** 1985;201(2):277–81
Chinese hamster ovary cell mutants resistant to DNA polymerase inhibitors. II. Segregational analysis and DNA transfection of the aphr gene. Vishwanatha JK, et al. **MGG** 1985;200(3):401–6
Retrovirus-mediated transfer of the human glucocerebrosidase gene to Gaucher fibroblasts. Choudary PV, et al. **Mol Biol Med** 1986 Jun;3(3):293–9
Properties of human interleukin-2 receptors expressed on non-lymphoid cells by cDNA transfection. Sabe H, et al. **Mol Biol Med** 1984 Dec;2(6):379–96 (57 ref.)
Topological requirements for homologous recombination among DNA molecules transfected into mammalian cells. Wake CT, et al. **Mol Cell Biol** 1985 Aug;5(8):2080–9
Stable expression of the mouse lymphocyte T200 antigen in L-cells after transfection with lymphoma DNA. Raschke WC, et al. **Mol Immunol** 1985 Oct;22(10):1137–43
Identification of murine H-2Db histocompatibility antigens in cells transfected with cloned H-2 genes. Schmidt W, et al. **Mol Immunol** 1985 Oct;22(10):1151–8
Production of novel immunoglobulin molecules by gene transfection. Morrison SL, et al. **Mt Sinai J Med (NY)** 1986 Mar;53(3):175–80
Transfer of specificity by murine alpha and beta T-cell receptor genes. Dembić Z, et al. **Nature** 1986 Mar 20–26; 320(6059):232–8
Stable transformation of maize after gene transfer by electroporation. Fromm ME, et al. **Nature** 1986 Feb 27–Mar 5;319(6056):791–3
Retrovirus-mediated transfer and expression of drug resistance genes in human haematopoietic progenitor cells. Hock RA, et al. **Nature** 1986 Mar 20–26;320(6059):275–7
Tissue specific transcription of the human epsilon-globin gene following transfection into the embryonic erythroid cell line K562. Allan M, et al. **Nucleic Acids Res** 1985 Sep 11;13(17):6125–36
Improved transfection of CV-1 and COS 1 cells using reduced serum medium. Saffer JD, et al. **Nucleic Acids Res** 1986 Apr 25;14(8):3604
Infectious RNA derived by transcription from cloned cDNA copies of the genomic RNA of an insect virus. Dasmahapatra B, et al. **Proc Natl Acad Sci USA** 1986 Jan; 83(1):63–6
Abnormal response to DNA crosslinking agents of Fanconi anemia fibroblasts can be corrected by transfection with normal human DNA. Diatloff-Zito C, et al. **Proc Natl Acad Sci USA** 1986 Sep;83(18):7034–8
Expression in Escherichia coli of a cloned DNA sequence encoding the pre-S2 region of hepatitis B virus. Offensperger W, et al. **Proc Natl Acad Sci USA** 1985 Nov; 82(22):7540–4
Transfection and homologous recombination involving single-stranded DNA substrates in mammalian cells and nuclear extracts. Rauth S, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(15):5587–91
Transformation of human fibroblasts by carcinogens or transfection of oncogenes. McCormick JJ, et al. **Prog Clin Biol Res** 1986;209A:295–303
Hepatitis B virus gene expression in two cell lines, one derived from a natural human infection, the other experimentally infected in vitro. Aspinall S, et al. **S Afr Med J** 1985 Nov 9;68(10):751–4
Immortalization of human T lymphocytes after transfection of Epstein-Barr virus DNA. Stevenson M, et al. **Science** 1986 Aug 29;233(4767):980–4
Expression of human chromosome 11-encoded cell-surface antigens by DNA-mediated transfectants. Bill J, et al. **Somatic Cell Mol Genet** 1986 Jul;12(4):409–13
Comparison of methods for introducing vectors based on bovine papillomavirus-1 DNA into mammalian cells. Bostock CJ, et al. **Somatic Cell Mol Genet** 1986 Jul; 12(4):357–66
Immortalization of xeroderma pigmentosum cells by simian virus 40 DNA having a defective origin of DNA replication. Canaani D, et al. **Somatic Cell Mol Genet** 1986 Jan;12(1):13–20
High-frequency transfection of CHO cells using polybrene. Chaney WG, et al. **Somatic Cell Mol Genet** 1986 May; 12(3):237–44
Transfection of lymphoblastoid cells using DNA-loaded reconstituted Sendai virus envelopes: expression of transfected DNA and selection of transfected cells. Shapiro IM, et al. **Somatic Cell Mol Genet** 1986 Jul;12(4):351–6
The spiroplasma virus 4 replicative form cloned in Escherichia coli transfects spiroplasmas. Pascarel-Devilder MC, et al. **Virology** 1986 Jun;151(2):390–3
Production of mouse mammary tumor virus upon transfection of a recombinant proviral DNA into cultured cells. Salmons B, et al. **Virology** 1985 Jul 15;144(1):101–14
High yields of DNA-transfer into mouse L-cells by electropermeabilization. Stopper H, et al. **Z Naturforsch [C]** 1985 Nov–Dec;40(11–12):929–32
[Production of a cell line of embryonic rat fibroblasts after transfection with the DNA from the early region of simian adenovirus SA7] Topol' LZ, et al. **Biull Eksp Biol Med** 1986 Feb;101(2):190–2 (Eng. Abstr.) **(Rus)**
[Nucleotide sequence of genome fragments of hepatitis B virus integrated into the DNA of the PLC/PRF/5 cell line] Rivkina MB, et al. **Dokl Akad Nauk SSSR** 1986; 288(2):503–6 **(Rus)**
[Transposition and reversion of mutations induced in Drosophila melanogaster by viral DNA] Shandala TV, et al. **Dokl Akad Nauk SSSR** 1986;286(2):447–50 **(Rus)**
[Bacteriophages T3 and T7: transcription-dependent mechanism of phage DNA transport into the cell during infection] Zavriev SK, et al. **Mol Biol (Mosk)** 1986 Mar–Apr;20(2):415–22 (Eng. Abstr.) **(Rus)**
[The role of ATP and membrane potential in the penetration of phage T17 DNA into the cell during infection] Zimkus AZ, et al. **Mol Biol (Mosk)** 1986 Jan–Feb;20(1):185–91 (Eng. Abstr.) **(Rus)**
[Transposition and reversion of mutations induced in

Drosophila by viral DNA] Gershenzon SM, et al. **Tsitol Genet** 1986 Jan-Feb;20(1):20-6 (Eng. Abstr.) **(Rus)**

[Mutation process and malignant transformation induced by adenoviruses in mammalian cells] Lukash LL. **Tsitol Genet** 1986 Jan-Feb;20(1):55-8, 72 (Eng. Abstr.) **(Rus)**

[Plasmid pBR325tk as a mutagen] Rubashevskil EL. **Tsitol Genet** 1986 Jan-Feb;20(1):76-8, 89 **(Rus)**

[Cryotransformation and cryotransfection of bacteria] Il'iashenko BN, et al. **Vestn Akad Med Nauk SSSR** 1985; (10):14-9 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Fibronectin enhances transfection of Staphylococcus aureus. Thompson NE, et al. **Appl Environ Microbiol** 1985 Nov; 50(5):1315-8

Effect of glycerol on Haemophilus influenzae transfection. Stuy JH. **J Bacteriol** 1986 Apr;166(1):285-9

Uptake by cells of nucleic acids promoted by compounds sharing the pleiotropic effects of poly(ethylene glycol). Klebe RJ, et al. **Teratogenesis Carcinog Mutagen** 1986; 6(3):245-50

RADIATION EFFECTS

DNA-mediated gene transfer efficiency is enhanced by ionizing and ultraviolet irradiation of rodent cells in vitro. I. Kinetics of enhancement. Perez CF, et al. **Radiat Res** 1985 Nov;104(2 Pt 1):200-13

TRANSFER (PSYCHOLOGY)

Maintenance and transfer of training by mentally retarded young adults on the Tower of Hanoi problem. Minsky SK, et al. **Am J Ment Defic** 1985 Sep;90(2):190-7

Acquisition, maintenance, and generalization of productive intraverbal behavior through transfer of stimulus control procedures. Luciano MC. **Appl Res Ment Retard** 1986; 7(1):1-20

Interocular transfer of learning in the pigeon: visuo-motor integration and separation of discriminanda and manipulanda. Watanabe S. **Behav Brain Res** 1986 Mar; 19(3):227-32

Interhemispheric transfer of visual discrimination in pigeons with supraoptic decussation (DSO) lesions before and after monocular learning. Watanabe S. **Behav Brain Res** 1985 Oct;17(3):163-70

Weanlings' transfer of conditioned ethanol aversion from olfaction to ingestion depends on the unconditioned stimulus. Serwatka J, et al. **Behav Neural Biol** 1986 Jan; 45(1):57-70

Negative transfer of heart rate control following biofeedback training: a partial replication. Steptoe A, et al. **Biofeedback Self Regul** 1985 Sep;10(3):269-74

Bridging the gap: student-centered strategies for promoting the transfer of learning. Anderson-Inman L. **Except Child** 1986 Apr;52(6):562-72

Visual discrimination learning and interhemispheric transfer in the cat, as affected by 6-hydroxydopamine. Sprague JM, et al. **Exp Brain Res** 1985;61(1):43-53

Bilateral transfer across ages 7 to 17 years. Byrd R, et al. **Percept Mot Skills** 1986 Feb;62(1):87-90

Transfer of conditioning in stress-induced analgesia. Oliverio A, et al. **Pharmacol Biochem Behav** 1986 Jul;25(1):181-3

[Changes in excitability in the motor cortex of the dog during switching-over conditioned escape and avoidance reflexes] Davydova EK. **Zh Vysh Nerv Deiat** 1985 Jul-Aug; 35(4):668-73 (Eng. Abstr.) **(Rus)**

[Dynamics of the spectral composition of the hippocampal theta-rhythm in the dog during switching-over of heterogeneous instrumental reflexes] Preobrazhenskaia LA. **Zh Vysh Nerv Deiat** 1985 Jul-Aug;35(4):658-67 (Eng. Abstr.) **(Rus)**

TRANSFER AGREEMENT

The effect of single-patient transfers on institutional dependency. Elwell F. **Gerontologist** 1986 Feb;26(1):83-90

Implementation and transfer of limited treatment orders from long term care facilities to emergency service providers. **Minn Med** 1986 Feb;69(2):83-5

Transfers to a public hospital. A prospective study of 467 patients. Schiff RL, et al. **N Engl J Med** 1986 Feb 27; 314(9):552-7

Early neonatal back transfer. Kopelman AE, et al. **NC Med J** 1986 Feb;47(2):61-3

LEGISLATION & JURISPRUDENCE

Texas transfer law still spurs controversy. Cherskov M. **Hospitals** 1986 May 5;60(9):160, 162

Home-health referrals: some legal guidelines. Philp MS. **Hospitals** 1985 Dec 1;59(23):72-3, 75

Texas eliminates dumping. A start toward equity in hospital care [editorial] Relman AS. **N Engl J Med** 1986 Feb 27; 314(9):578-9

TDH rules on hospital transfers take effect April 1. **Tex Med** 1986 Mar;82(3):59-62

TRANSFER FACTOR

ADMINISTRATION & DOSAGE

Transfer of reactivity with in vitro produced transfer factor in rhesus and owl monkeys. Pizza G, et al. **Lymphokine Res** 1985 Fall;4(4):351-7

IMMUNOLOGY

Murine transfer factor. III. Specific interactions between transfer factor and antigen. Kirkpatrick CH, et al. **J Immunol** 1985 Dec;135(6):4027-33

Immunologic and clinical responses to varicella-zoster virus-specific transfer factor following marrow transplantation. Bowden RA, et al. **J Infect Dis** 1985 Dec; 152(6):1324-7

Transfer factor and other T cell products. Tsang KY, et al. **Springer Semin Immunopathol** 1986;9(1):19-32 (68 ref.)

[Studies of an assay system for dialyzable leukocyte extracts (DLE)—influence of DLE on leukocyte migration inhibition test by HBsAg] Hashimoto Y, et al. **Hokkaido Igaku Zasshi** 1985 Sep;60(5):763-8 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

The effect of transfer factor on lymph node morphology in murine toxoplasmosis. Dundas SA, et al. **Br J Exp Pathol** 1986 Apr;67(2):181-90

Dialysable leukocyte extracts (transfer factor) augment nonspecifically keyhole limpet haemocyanin and horseshoe crab haemocyanin skin reactivity in unimmunized human recipients. Ashorn RG, et al. **Scand J Immunol** 1986 Feb; 23(2):161-7

THERAPEUTIC USE

Cellular immunity in acne vulgaris during transfer factor treatment. Ashorn R, et al. **Ann Clin Res** 1985;17(4):152-5

[The results of immunotherapy as an adjunct to the surgical treatment of primary lung cancers] Fujisawa T. **Nippon Geka Gakkai Zasshi** 1985 Sep;86(9):1055-8 (Eng. Abstr.) **(Jpn)**

[Transfer of delayed-type hypersensitivity to Candida albicans or Sporothrix schenkii and protection against experimental candidiasis with murine transfer factor] Kondoh Y, et al. **Nippon Saikingaku Zasshi** 1985 Sep; 40(5):835-42 (Eng. Abstr.) **(Jpn)**

[Subacute sclerosing panencephalitis: serial CT studies and magnetic resonance imaging] Inada H, et al. **No To Hattatsu** 1986 May;18(3):199-206 (Eng. Abstr.) **(Jpn)**

TRANSFERASES

Crystallization of 5-enolpyruvylshikimate 3-phosphate synthase from Escherichia coli. Abdel-Meguid SS, et al. **J Mol Biol** 1985 Dec 5;186(3):673

Preliminary crystallographic data and quaternary structural implications of the central subunit of the multi-subunit complex transcarboxylase. Skrzypczak-Jankun E, et al. **J Mol Biol** 1986 Apr 5;188(3):495-8

ANALYSIS

A rapid nonchromatographic assay for aminopropyltransferases. Anton DL. **Anal Biochem** 1986 Jul;156(1):45-7

Sialyltransferase and nucleoside diphosphatase as markers for tumor monitoring. Papadopoulou-Boutis A, et al. **Cancer Detect Prev** 1985;8(1-2):141-50

Demonstration of an extensive trans-tubular network continuous with the Golgi apparatus stack that may function in glycosylation. Roth J, et al. **Cell** 1985 Nov; 43(1):287-95

Sublobular distribution of transferases and hydrolases associated with glucuronide, sulfate and glutathione conjugation in human liver. el Mouelhi M, et al. **Hepatology** 1986 May-Jun;6(3):450-6

Serum and tumor sialyltransferase activities in women with breast cancer. Dao TL, et al. **Prog Clin Biol Res** 1986; 204:31-43

ANTAGONISTS & INHIBITORS

Dicyclohexylamine is not an inhibitor of spermidine synthase [letter] Batchelor KW, et al. **Biochem J** 1986 Jan 1; 233(1):307-8

Methylglyoxal bis(butylamidinohydrazone), a new inhibitor of polyamine biosynthesis that simultaneously inhibits ornithine decarboxylase, adenosylmethionine decarboxylase and spermidine synthase. Hibasami H, et al. **Biochem Pharmacol** 1986 Sep 1;35(17):2982-3

Effects of certain 5'-substituted adenosines on polyamine synthesis: selective inhibitors of spermine synthase. Pegg AE, et al. **Biochemistry** 1986 Jul 15;25(14):4091-7

Inhibition of experimental pulmonary metastasis of mouse colon adenocarcinoma 26 sublines by a sialic acid:nucleoside conjugate having sialyltransferase inhibiting activity. Kijima-Suda I, et al. **Cancer Res** 1986 Feb;46(2):858-62

Inhibition of liver prenyltransferase by citronellyl and geranyl phosphonate and phosphonylphosphate. Popják G, et al. **J Lipid Res** 1985 Sep;26(9):1131-9

Isozyme-specific enzyme inhibitors. 11. L-homocysteine-ATP S-C5'covalent adducts as inhibitors of rat methionine adenosyltransferases. Kappler F, et al. **J Med Chem** 1986 Jun;29(6):1030-8

Isozyme-specific enzyme inhibitors. 10. Adenosine 5'-triphosphate derivatives as substrates or inhibitors of methionine adenosyltransferases of rat normal and hepatoma tissues. Kappler F, et al. **J Med Chem** 1986 Mar; 29(3):318-22

Inhibitors of dihydropteroate synthase: substituent effects in the side-chain aromatic ring of 6-[[3-(aryloxy)propyl]amino]-5-nitrosoisocytosines and synthesis and inhibitory potency of bridged 5-nitrosoisocytosine-p-aminobenzoic acid analogues. Lever OW Jr, et al. **J Med Chem** 1986 May;29(5):665-70

Monocyclic pteridine analogues. Inhibition of Escherichia coli dihydropteroate synthase by 6-amino-5-nitrosoisocytosines. Lever OW Jr, et al. **J Med Chem** 1985 Dec;28(12):1870-4

Isozyme-specific enzyme inhibitors. 12. C- and N-methylmethionines as substrates and inhibitors of methionine adenosyltransferases of normal and hepatoma rat tissues. Lim H, et al. **J Med Chem** 1986 Sep;29(9):1743-8

BIOSYNTHESIS

Overproduction of 5-enolpyruvylshikimate-3-phosphate synthase in a glyphosate-tolerant Petunia hybrida cell line. Steinrücken HC, et al. **Arch Biochem Biophys** 1986 Jan; 244(1):169-78

Selective overproduction of 5-enol-pyruvylshikimic acid 3-phosphate synthase in a plant cell culture which tolerates high doses of the herbicide glyphosate. Smart CC, et al. **J Biol Chem** 1985 Dec 25;260(30):16338-46

Induction of S-adenosylmethionine synthetase isozymes in primary cultures of adult rat hepatocytes. Sawai Y, et al. **Life Sci** 1986 May 26;38(21):1975-80

BLOOD

Effects of lectin activation on sialyltransferase activities in human lymphocytes. Basu SK, et al. **Biochemistry** 1986 May 6;25(9):2577-81

Sialyltransferase of bovine serum: age- and hormone-related changes. Sherblom AP, et al. **Comp Biochem Physiol [B]** 1986;84(3):309-13

Glycoprotein sialyl- and galactosyl transferase activities in erythrocyte membranes in alcoholic patients and healthy controls. Stibler H, et al. **Drug Alcohol Depend** 1986 Feb; 16(4):331-40

Serum sialyltransferase and fucosyltransferase activities in patients with multiple myeloma. Frithz G, et al. **Eur J Cancer Clin Oncol** 1985 Aug;21(8):913-7

Characterization of sialyltransferases from serum of normal and hepatoma Mc-29 bearing chickens. Chelibonova-Lorer H, et al. **Int J Biochem** 1986;18(3):271-6

One-carbon metabolism disturbances in affective disorders. A preliminary report. Alarcon RD, et al. **J Affective Disord** 1985 Nov;9(3):297-301

Differentiation of psychotic from nonpsychotic depression by a biological marker. Waziri R, et al. **J Affective Disord** 1985 Sep;9(2):175-80

The preparation and use of a carrier-bound acceptor for the determination of sialyl transferase activity in serum. Ganzinger U, et al. **J Clin Chem Clin Biochem** 1985 Oct; 23(10):691-5

Medication effects on one-carbon metabolism in schizophrenia, mania, and major depression. Morere DA, et al. **J Clin Psychopharmacol** 1986 Jun;6(3):155-61

Immunosuppression, sialic acid, and sialyltransferase of bovine serum as a function of progesterone concentration. Sherblom AP, et al. **J Reprod Fertil** 1985 Jul;74(2):509-17

Mitogen-induced changes in sialyltransferase activity in human normal and leukemic lymphocytes. Sasaki R, et al. **Jpn J Med** 1986 Feb;25(1):52-6

Glycosyltransferases as marker enzymes in neoplasia. Kessel D. **Prog Clin Biol Res** 1986;204:21-30

DEFICIENCY

Orotic aciduria, homocystinuria, formiminoglutamic aciduria and megaloblastosis associated with the formiminotransferase/cyclodeaminase deficiency. Shin YS, et al. **Adv Exp Med Biol** 1986;195 Pt A:71-6

Non-ketotic hyperglycinaemia due to a deficiency of T-protein in the glycine cleavage system in liver and brain. Schutgens RB, et al. **J Inherited Metab Dis** 1986; 9(2):208-14

GENETICS

The serC-aro A operon of Escherichia coli. A mixed function operon encoding enzymes from two different amino acid biosynthetic pathways. Duncan K, et al. **Biochem J** 1986 Feb 15;234(1):49-57

Properties of a serine hydroxymethyltransferase in which an active site histidine has been changed to an asparagine by site-directed mutagenesis. Hopkins S, et al. **J Biol Chem** 1986 Mar 5;261(7):3363-9

Reduction of the toxicity and mutagenicity of alkylating agents in mammalian cells harboring the Escherichia coli alkyltransferase gene. Brennand J, et al. **Proc Natl Acad Sci USA** 1986 Sep;83(17):6292-6

Spermidine synthase of Escherichia coli: localization of the

speE gene. Tabor CW, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(16):6040–4

IMMUNOLOGY

Unique antigen of cultured Hodgkin's cells. A putative sialyltransferase. Paietta E, et al. **J Clin Invest** 1986 Aug; 78(2):349–54

ISOLATION & PURIFICATION

An affinity column for the purification of prenyltransferases. Bartlett DL, et al. **Anal Biochem** 1985 Sep;149(2):507–15

A novel prenyltransferase from Paracoccus denitrificans. Ishii K, et al. **Biochem J** 1986 Feb 1;233(3):773–7

Distribution of alkylglycerone-phosphate synthase in subcellular fractions of rat liver. Rabert U, et al. **Biol Chem Hoppe Seyler** 1986 Mar;367(3):215–22

Isoprenoid enzyme systems of silkworm. I. Partial purification of isopentenyl pyrophosphate isomerase, farnesyl pyrophosphate synthetase, and geranylgeranyl pyrophosphate synthetase. Koyama T, et al. **J Biochem (Tokyo)** 1985 Aug;98(2):449–56

Glycine decarboxylase multienzyme complex. Purification and partial characterization from pea leaf mitochondria. Walker JL, et al. **J Biol Chem** 1986 Feb 15;261(5):2214–21

Heavy riboflavin synthase from Bacillus subtilis. Bacher A. **Methods Enzymol** 1986;122:192–9

Glu-tRNAGln amidotransferase. Zalkin H. **Methods Enzymol** 1985;113:303–5

METABOLISM

Oligosaccharyltransferase activity is markedly increased during differentiation of a nonfusing myoblast cell line. Grant SR, et al. **Arch Biochem Biophys** 1986 Jul; 248(1):424–8

Light-induced increases in the glycine decarboxylase multienzyme complex from pea leaf mitochondria. Walker JL, et al. **Arch Biochem Biophys** 1986 Aug 1;248(2):626–38

Studies on properties of membrane-associated oligosaccharyltransferase using an active site-directed photoaffinity probe. Welply JK, et al. **Arch Biochem Biophys** 1986 May 1;246(2):808–19

Ricin-binding properties of acid hydrolases from isolated lysosomes implies prior processing by terminal transferases of the trans-Golgi apparatus. Fedde KN, et al. **Biochem Biophys Res Commun** 1985 Dec 17;133(2):614–20

Activity and secretion of sialyltransferase in primary monolayer cultures of rat hepatocytes cultured with and without dexamethasone. van Dijk W, et al. **Biochem Cell Biol** 1986 Feb;64(2):79–84

Increased activity of renal glycine-cleavage-enzyme complex in metabolic acidosis. Lowry M, et al. **Biochem J** 1985 Oct 15;231(2):477–80

Evidence for L-threonine cleavage and allothreonine formation by different enzymes from Clostridium pasteurianum: threonine aldolase and serine hydroxymethyltransferase [letter] Stöcklein W, et al. **Biochem J** 1985 Dec 1;232(2):621–2

The mechanism of the condensation reactions of cholesterol biosynthesis. Fourth Morton lecture. Rilling HC. **Biochem Soc Trans** 1985 Dec;13(6):997–1003

Alkyldihydroxyacetonephosphate synthase mechanism: 18O studies of fatty acid release from acyldihydroxyacetone phosphate. Brown AJ, et al. **Biochemistry** 1985 Dec 31; 24(27):8012–6

Fluorine NMR studies on stereochemical aspects of reactions catalyzed by transcarboxylase, pyruvate kinase, and enzyme I. Hoving H, et al. **Biochemistry** 1985 Oct 22; 24(22):6163–9

Solubilization and reconstitution of rat liver mitochondrial carnitine acylcarnitine translocase. Noël H, et al. **Biochemistry** 1985 Aug 13;24(17):4504–9

Effects of certain 5'-substituted adenosines on polyamine synthesis: selective inhibitors of spermine synthase. Pegg AE, et al. **Biochemistry** 1986 Jul 15;25(14):4091–7

Terminal glycosylation in rat hepatic Golgi fractions: heterogeneous locations for sialic acid and galactose acceptors and their transferases. Bergeron JJ, et al. **Biochim Biophys Acta** 1985 Dec 19;821(3):393–403

Prenyltransferase and squalene synthetase in livers of neonate rats. Bruenger E, et al. **Biochim Biophys Acta** 1986 May 21;876(3):500–6

Sialylation of lacto-N-neohexaosylceramide by sialyltransferase from embryonic chicken muscle. Dasgupta S, et al. **Biochim Biophys Acta** 1986 Apr 15;876(2):363–70

Tripolyphosphatase associated with S-adenosylmethionine synthetase isozymes from rat liver. Shimizu K, et al. **Biochim Biophys Acta** 1986 Sep 4;883(2):293–8

Studies on the effect of the hepatocyte-stimulating factor on galactose-beta 1——4-N-acetylglucosamine alpha 2——6-sialyltransferase in cultured hepatocytes. Woloski BM, et al. **Biochim Biophys Acta** 1986 Feb 21;885(2):185–91

Increased activity of a specific sialyltransferase in chronic myelogenous leukemia. Baker MA, et al. **Blood** 1985 Nov; 66(5):1068–71

A brain sialyltransferase having a narrow specificity for O-glycosyl-linked oligosaccharide chains. Baubichon-Cortay H, et al. **Carbohydr Res** 1986 Jun 1; 149(1):209–23

Biosynthesis of disialylated beta-D-galactopyranosyl-(1——3)-2-acetamido-2-deoxy-beta-D-glucopy ran osyl oligosaccharide chains. Identification of a beta-D-galactoside alpha-(2——3)- and a 2-acetamido-2-deoxy-beta-D-glucoside alpha-(2——6)-sialyltransferase in regenerating rat liver and other tissues. de Heij HT, et al. **Carbohydr Res** 1986 Jun 1;149(1):85–99

Reconstitution of the masking effect of sialic acid groups on sialidase-treated erythrocytes by the action of sialyltransferases. Kelm S, et al. **Carbohydr Res** 1986 Jun 1;149(1):59–64

Changes in sialyltransferase activity during murine T cell differentiation. Toporowicz A, et al. **Cell Immunol** 1986 Jun;100(1):10–9

Studies on the effect of experimental inflammation on sialyltransferase in the mouse and guinea pig. Lammers G, et al. **Comp Biochem Physiol [B]** 1986;84(2):181–7

Galactosyltransferase-dependent sialylation of complex and endo-N-acetylglucosaminidase H-treated core N-glycans in vitro. Berger EG, et al. **FEBS Lett** 1986 Jul 14; 203(1):64–8

Metabolism of genotoxic agents: control of reactive epoxides by hydrolase and transferase reactions. Oesch F. **IARC Sci Publ** 1984;(59):73–83

The metabolic production of oxalate from xylitol: activities of transketolase, transaldolase, fructokinase and aldolase in liver, kidney, brain, heart and muscle in the rat, mouse, guinea pig, rabbit and human. James HM, et al. **Int J Vitam Nutr Res [Suppl]** 1985;28:29–46

Enzyme cytochemistry. Borgers M, et al. **Int Rev Cytol** 1985; 95:163–227 (701 ref.)

Transglycosylase and endopeptidase participate in the degradation of murein during autolysis of Escherichia coli. Kitano K, et al. **J Bacteriol** 1986 Sep;167(3):759–65

Isoprenoid enzyme systems of silkworm. II. Formation of the juvenile hormone skeletons by farnesyl pyrophosphate synthetase II. Koyama T, et al. **J Biochem (Tokyo)** 1985 Aug;98(2):457–63

CMP-NeuNAc:poly-alpha-2,8-sialosyl sialyltransferase and the biosynthesis of polysialosyl units in neural cell adhesion molecules. McCoy RD, et al. **J Biol Chem** 1985 Oct 15; 260(23):12695–9

Characterization of the monovalent cation activator binding site of S-adenosylmethionine synthetase by 205Tl NMR of enzyme-bound Tl+. Markham GD. **J Biol Chem** 1986 Feb 5;261(4):1507–9

Channeling between the active sites of formiminotransferase-cyclodeaminase. Binding and kinetic studies. Paquin J, et al. **J Biol Chem** 1985 Dec 5; 260(28):14925–31

Regulation of beta-D-galactoside alpha 2——3 sialyltransferase activity. The effects of detergents and lysophosphatidates. Westcott KR, et al. **J Biol Chem** 1985 Oct 25;260(24):13109–15

Reconstitution of a porcine submaxillary gland beta-D-galactoside alpha 2——3 sialyltransferase into liposomes. Westcott KR, et al. **J Biol Chem** 1985 Oct 25; 260(24):13116–21

Heavy riboflavin synthase from Bacillus subtilis. Quaternary structure and reaggregation. Bacher A, et al. **J Mol Biol** 1986 Jan 5;187(1):75–86

Heavy riboflavin synthase from Bacillus subtilis. Particle dimensions, crystal packing and molecular symmetry. Ladenstein R, et al. **J Mol Biol** 1986 Jan 5;187(1):87–100

Synaptosomal sialyltransferase glycosylates surface proteins that are inaccessible to the action of membrane-bound sialidase. Breen KC, et al. **J Neurochem** 1986 Oct; 47(4):1176–80

The effect of carbon tetrachloride-induced cirrhosis of the liver on fibrinogen-bound sialic acid and sialyltransferase activity in the rat. Francis JL, et al. **Med Lab Sci** 1986 Jan;43(1):38–43

Glutamine amidotransferases. Zalkin H. **Methods Enzymol** 1985;113:263–4

Hepatic drug metabolising enzymes in undernourished men. Rajpurohit R, et al. **Toxicology** 1985 Dec;37(3-4):259–66

URINE

Urinary enzyme excretion in acute and subacute experimental lithium administration. Emanuelli G, et al. **Enzyme** 1985; 34(4):177–85

TRANSFERENCE (PSYCHOLOGY)

Erotic transferences. Frayn DH, et al. **Can J Psychiatry** 1986 May;31(4):323–7

On transference: developmental and clinical considerations. Lester EP. **Can J Psychiatry** 1986 Mar;31(2):146–53 (24 ref.)

Transference patterns of women physicians. Bernardez T. **Hillside J Clin Psychiatry** 1985;7(2):208–18

The development of family transference in groups for the adult children of alcoholics. Brown S, et al. **Int J Group Psychother** 1986 Jan;36(1):97–114

Transference-countertransference patterns in psychoanalytic group therapy: a family systems view. Colson DB. **Int J Group Psychother** 1985 Oct;35(4):503–18

Group therapy for latency age black males: unplanned interventions, setting, and racial transferences as catalysts for change. Lothstein L. **Int J Group Psychother** 1985 Oct; 35(4):603–23

On transference manifestations in male patients with female analysts. Goldberger M, et al. **Int J Psychoanal** 1985;66 (Pt 3):295–309

A dual aspect of the transference. Kennedy R. **Int J Psychoanal** 1984;65 (Pt 4):471–83

The female analyst and the erotized transference. Lester EP. **Int J Psychoanal** 1985;66 (Pt 3):283–93

Working with women survivors of the Holocaust: affective experiences in transference and countertransference. Pines D. **Int J Psychoanal** 1986;67 (Pt 3):295–307

Transference love and love in real life. Bergmann MS. **Int J Psychoanal Psychother** 1985–86;11:27–51

Übertragung, metaphor, and transference in psychoanalytic psychotherapy. Szajnberg N. **Int J Psychoanal Psychother** 1985–86;11:53–75

The concept of transference in child psychoanalysis. Tyson RL, et al. **J Am Acad Child Psychiatry** 1986 Jan;25(1):30–9

Transference and post-traumatic stress: combat veterans' transference to the Veterans Administration Medical Center. Parson ER. **J Am Acad Psychoanal** 1986 Jul; 14(3):349–75

The child dream and the child transference. De Francisco D. **J Am Psychoanal Assoc** 1986;34(1):93–121

Transference-countertransference. Loewald HW. **J Am Psychoanal Assoc** 1986;34(2):275–87

Some implications of transference and countertransference in the treatment of dependence. Arroyave F. **J Anal Psychol** 1986 Jul;31(3):199–206

Amplification, transference analysis and the analyst's inner process. Moore N. **J Anal Psychol** 1986 Apr;31(2):113–33

After analysis: a study of transference dreams following treatment. Carlson R. **J Consult Clin Psychol** 1986 Apr; 54(2):246–52

Advent of objective measures of the transference concept. Luborsky L, et al. **J Consult Clin Psychol** 1986 Feb; 54(1):39–47 (68 ref.)

Countertransference and transference in couple therapy: treating sexual dysfunction in older couples. Apfel RJ, et al. **J Geriatr Psychiatry** 1984;17(2):203–14

The pregnant therapist. Barden AC. **J Psychosoc Nurs Ment Health Serv** 1985 Sep;23(9):18–22

The evening shift. An occasion for acting out transference phenomena. Hay M, et al. **J Psychosoc Nurs Ment Health Serv** 1985 Oct;23(10):24–30

The seduction of money: a brief note on an expression of transference love. Rothstein A. **Psychoanal Q** 1986 Apr; 55(2):296–300

Latent thematic concordancy in psychotherapy sessions. Knebusch R, et al. **Psychother Psychosom** 1985; 44(4):165–74

[Past unconscious, present unconscious and the significance of transference] Sandler J, et al. **Psyche (Stuttg)** 1985 Sep; 39(9):800–29 (Ger)

[Analytic therapy by the wake-dream] Rocca RE. **Acta Psiquiatr Psicol Am Lat** 1985 Dec;31(4):284–90 (Eng. Abstr.) (Spa)

TRANSFERRIN

Double labeling of transferrin: tritium labeling of sialic acid and 125I or 59Fe labeling of the protein moiety. Kishimoto T, et al. **Anal Biochem** 1986 Mar;153(2):324–9

An extended-X-ray-absorption-fine-structure investigation of diferric transferrins and their iron-binding fragments. Garratt RC, et al. **Biochem J** 1986 Jan 15;233(2):479–84

Promotion by tetrameric catechoylamide ligands and CaNa3-DTPA of the dissociation in vitro of the Pu-transferrin complex formed after intravenous injection of Pu-tri-N-butylphosphate. Metivier H, et al. **Health Phys** 1985 Dec;49(6):1302–5

Preliminary X-ray data for an N-terminal fragment of rabbit serum transferrin. Sarra R, et al. **J Mol Biol** 1986 Apr 20; 188(4):727–8

Determination of sialic acid residues in transferrin by oxidative-reductive immunoassay. Cervén E, et al. **Ups J Med Sci** 1986;91(1):17–27

ADMINISTRATION & DOSAGE

Construction of transferrin-coated liposomes for in vivo transport of exogenous DNA to bone marrow erythroblasts in rabbits. Stavridis JC, et al. **Exp Cell Res** 1986 Jun; 164(2):568–72

[Anti-tumor effect of transferrin-neocarzinostatin conjugate which is taken up by cells with receptor medicated endocytosis] Kohgo Y, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Apr 20;21(3):641–6 (Eng. Abstr.) (Jpn)

ANALOGS & DERIVATIVES

Transferrin sialic acid contents of patients with hereditary hemochromatosis. Tsan MF, et al. **Am J Hematol** 1985 Dec; 20(4):359–63

Preferential hepatic uptake of iron from rat asialotransferrin: possible engagement of two receptors. Rudolph JR, et al. **Am J Physiol** 1986 Sep;251(3 Pt 1):G398–404

Diacytosis of human asialotransferrin type 3 in the rat liver is due to the sequential engagement of two receptors. Regoeczi E, et al. **Exp Cell Res** 1985 Sep;160(1):1–8

Enhancement of hepatic gallium-67 uptake by asialo-transferrin. Scheffel U, et al. **J Nucl Med** 1986 Mar; 27(3):395–8

ANALYSIS

Quantitation of apo-, mono-, and diferric transferrin by

polyacrylamide gradient gel electrophoresis in patients with disorders of iron metabolism. DiRusso SC, et al. **Blood** 1985 Dec;66(6):1445–51

Nonrandom distribution of iron in circulating human transferrin. Zak O, et al. **Blood** 1986 Jul;68(1):157–61

The distribution of iron and iron binding proteins in spleen with reference to Hodgkin's disease. Britten KJ, et al. **Br J Cancer** 1986 Aug;54(2):277–86

The distribution of transferrin immunoreactivity in the rat central nervous system. Connor JR, et al. **Brain Res** 1986 Mar 19;368(2):319–28

Immunoturbidimetric assay of transferrin: effect of iron and need for serum blanks. Rifai N, et al. **Clin Biochem** 1986 Feb;19(1):31–4

Measurement of transferrin in human seminal plasma by a chemiluminescent method. Caldini AL, et al. **Clin Chem** 1986 Jan;32(1 Pt 1):153–6

A study of the microheterogeneity of transferrin in cirrhotic patients. Poupon RE, et al. **Clin Chim Acta** 1985 Oct 15; 151(3):245–51

A non-random distribution of transferrin iron in fresh human sera. van Eijk HG, et al. **Clin Chim Acta** 1986 Jun 30; 157(3):299–303

The reliability of the use of para toluene sulfonic acid for simultaneous hydrolysis and quantitation of both N-acetyl-glucosamine and amino acids in human transferrins. van Eijk HG, et al. **Clin Chim Acta** 1986 Jun 30;157(3):305–9

Seminal transferrin, an index of Sertoli cell function: is it of clinical value? Liu DY, et al. **Clin Reprod Fertil** 1986 Jun;4(3):191–7

Seminal plasma transferrin and seminiferous tubular dysfunction. Chan SY, et al. **Fertil Steril** 1986 May; 45(5):687–91

Immunostaining of transferrin and transferrin receptor in human seminiferous tubules. Vannelli BG, et al. **Fertil Steril** 1986 Apr;45(4):536–41

Transferrin subtyping of human bloodstains. Budowle B, et al. **Forensic Sci Int** 1985 Aug;28(3–4):269–75

Cord & maternal serum transferrin as indicators of foetal malnutrition. Agarwal RK, et al. **Indian J Med Res** 1985 Nov;82:434–8

Possible significance of transferrin levels in seminal plasma of fertile and infertile men. Foresta C, et al. **J Androl** 1986 Mar–Apr;7(2):77–82

Simple radioimmunoassay for transferrin using insolubilized antitransferrin antibodies: its application to cultured cells. Anderson GJ, et al. **J Lab Clin Med** 1986 Jan;107(1):59–65

Iron-binding proteins and risk of cancer in Taiwan. Stevens RG, et al. **JNCI** 1986 Apr;76(4):605–10

[Diagnostic significance of serum C-reactive protein, mucin and transferrin levels in patients with leukemia complicated by infection] Wang ZS, et al. **Chung Hua Nei Ko Tsa Chih** 1985 Nov;24(11):671–3, 702 (Eng. Abstr.) **(Chi)**

[Rapid analysis of transferrin-iron complexes by isoelectric focusing and radioactive densitometry on gel] Legendre JM, et al. **Pathol Biol (Paris)** 1985 Sep;33(7):741–5 (Eng. Abstr.) **(Fre)**

[Quantitative relation between transferrin and total iron fixation capacity in patients carrying heterozygous A2 and F thalassemia] Llopis R, et al. **Rev Clin Esp** 1986 Jan; 178(1):11–2 (Eng. Abstr.) **(Spa)**

[Thalassemia trait in the pediatric age and body iron status] Abreu de Miani MS, et al. **Sangre (Barc)** 1986;31(1):1–6 (Eng. Abstr.) **(Spa)**

BIOSYNTHESIS

The hormonal control of protein N-glycosylation in the developing rabbit mammary gland and its effect upon transferrin synthesis and secretion. Bradshaw JP, et al. **Biochim Biophys Acta** 1985 Dec 12;847(3):344–51

The biosynthesis of rat transferrin. Evidence for rapid glycosylation, disulfide bond formation, and tertiary folding. Morgan EH, et al. **J Biol Chem** 1985 Nov 25; 260(27):14793–801

Transferrin synthesis by inducer T lymphocytes. Lum JB, et al. **J Clin Invest** 1986 Mar;77(3):841–9

Albumin and transferrin synthesis in whole rat embryo cultures. Williams CL, et al. **J Embryol Exp Morphol** 1986 Mar;92:33–41

Transferrin gene expression visualized in oligodendrocytes of the rat brain by using in situ hybridization and immunohistochemistry. Bloch B, et al. **Proc Natl Acad Sci USA** 1985 Oct;82(19):6706–10

BLOOD

Carbohydrate composition of serum transferrin in alcoholic patients. Stibler H, et al. **Alcoholism (NY)** 1986 Jan–Feb; 10(1):61–4

Immunochemical methods for measurement of transferrin in serum: effects of analytical errors and inappropriate reference intervals on diagnostic utility. Bandi ZL, et al. **Clin Chem** 1985 Oct;31(10):1601–5

Correlation of cord & maternal transferrin with gestational age. Agarwal RK, et al. **Indian J Med Res** 1985 Jul;82:24–8

[Determination of serum indices of iron metabolism and its clinical significance (with a report of 82 cases)] Wu XL, et al. **Chung Hua I Hsueh Tsa Chih** 1985 Nov;65(11):667–72 (Eng. Abstr.) **(Chi)**

[Quantitative and qualitative examination of serum transferrin in various malignant tumors of the digestive tract] Ura K. **Nippon Shokakibyo Gakkai Zasshi** 1985 Nov; 82(11):2816–23 (Eng. Abstr.) **(Jpn)**

CEREBROSPINAL FLUID

The cerebrospinal fluid transferrin/tau proteins. A study by two-dimensional polyacrylamide gel electrophoresis (2D) and agarose isoelectrofocusing (IEF) followed by double-antibody peroxidase labeling and avidin-biotin amplification. Gallo P, et al. **J Neurol Sci** 1985 Aug; 70(1):81–92

[Initial clinical experiences with beta 2-transferrin in oto- and rhinorrhea] Oberascher G, et al. **HNO** 1986 Apr; 34(4):151–5 (Eng. Abstr.) **(Ger)**

[Immunologic cerebrospinal fluid diagnosis using beta-2-transferrin principles and method] Oberascher G, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Mar;65(3):158–61 (Eng. Abstr.) **(Ger)**

DEFICIENCY

[Iron overload in hereditary atransferrinemia] Dorantes-Mesa S, et al. **Bol Med Hosp Infant Mex** 1986 Feb;43(2):99–101 (Eng. Abstr.) **(Spa)**

DIAGNOSTIC USE

The effect of methylprednisolone on the pulmonary accumulation of transferrin in the adult respiratory distress syndrome. Basran GS, et al. **Eur J Respir Dis** 1986 May; 68(5):336–41

GENETICS

Population genetic studies of PI, Tf, Gc and PGM1 subtypes among various caste groups in North India. Kamboh MI. **Acta Anthropogenet** 1984;8(3–4):159–79

Obtaining of pure transferrins D, M and R from equine serum and determination of transferrin level in relation to phenotype. Didkowski S, et al. **Acta Physiol Pol** 1984 Sep–Dec;35(5–6):529–38

A new transferrin allele in sheep. Archibald AL, et al. **Anim Genet** 1986;17(2):191–4

Transient transcriptional inhibition of the transferrin gene by cyclic AMP. Tsil D, et al. **FEBS Lett** 1985 Sep 23; 189(2):310–4

Genetic differences at the transferrin locus in Norwegian semi-domestic and wild reindeer (Rangifer tarandus L.). Rød KH. **Hereditas** 1985;102(2):199–206

Transferrin variability and founder effect in Iceland reindeer, Rangifer tarandus L. Røed K, et al. **Hereditas** 1985; 103(2):161–4

Patterns of social and geographical distribution of transferrin subtype polymorphism in India. Mukherjee BN, et al. **Hum Hered** 1986;36(2):113–8

Transferrin C subtypes and rheumatoid arthritis. Rantapää Dahlqvist S, et al. **Hum Hered** 1985;35(5):279–82

Distribution of transferrin C subtypes among the Bedouin and non-Bedouin populations of Jordan. Saha N. **Hum Hered** 1985;35(3):341–2

Electrophoretic variants of blood proteins in Japanese. VI. Transferrin. Fujita M, et al. **Jinrui Idengaku Zasshi** 1985 Sep;30(3):191–200

Rat transferrin gene expression: tissue-specific regulation by iron deficiency. Idzerda RL, et al. **Proc Natl Acad Sci USA** 1986 Jun;83(11):3723–7

Transferrin C2 as an enhancer of cyto- and genotoxic damage. Beckman L, et al. **Prog Clin Biol Res** 1986; 209B:221–4

[Existence of transferrin polymorphism in a species of sturgeon from the Caspian Sea: Acipenser stellatus] Keyvanfar A. **C R Acad Sci [III]** 1986;302(11):401–4 (Eng. Abstr.) **(Fre)**

[Transferrin and infertility: genetic-clinical study. Preliminary note] Del Porto G, et al. **Minerva Ginecol** 1985 Dec;37(12):731–4 (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

Selective inhibition of the growth of human erythroid bursts by monoclonal antibodies against transferrin or the transferrin receptor. Shannon KM, et al. **Blood** 1986 Jun; 67(6):1631–8

Iron uptake by MOLT 3 cells from transferrin/monoclonal antitransferrin antibody complexes. Hradilek A, et al. **Br J Haematol** 1986 Jan;62(1):21–30

Human natural killer cell lysis of virus-infected cells. Relationship to expression of the transferrin receptor. Borysiewicz LK, et al. **Eur J Immunol** 1986 Apr; 16(4):405–11

ISOLATION & PURIFICATION

Rapid preparation of highly purified human transferrin. Cook ND, et al. **Anal Biochem** 1985 Sep;149(2):349–53

Hydrophobic behavior of sciatin and transferrin on a size-exclusion column. Noël JC, et al. **Biotechnol Appl Biochem** 1986 Apr–Jun;8(2–3):210–6

Primate (Macaca fascicularis) transferrin: isolation and partial characterization. Chung MC. **Comp Biochem Physiol [B]** 1985;82(1):147–52

Purification of transferrin and albumin from mouse ascites fluid. Feldhoff RC, et al. **Prep Biochem** 1985;15(4):221–36

[A simple method for isolation and purification of transferrin from human serum] Zhang ML, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1985 Apr; 7(2):154–7 (Eng. Abstr.) **(Chi)**

METABOLISM

Subcellular characterization of the transferrin-transferrin receptor and iron accumulating system of established human erythroid and monoblastoid tumour cell lines. Forsbeck K, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1986 Jul; 94(4):245–52

Depression of iron uptake from transferrin by isolated hepatocytes in the presence of ethanol is a pH-dependent consequence of ethanol metabolism. Beloqui O, et al. **Alcoholism (NY)** 1986 Aug;10(4):463–70

The relationship between the percentage saturation of maternal and cord plasma transferrin and the maternal and cord blood free erythrocyte protoporphyrin:haem ratio. Jeyakumar LH, et al. **Ann Trop Paediatr** 1985 Sep; 5(3):147–51

Recovery of transferrin receptors on hepatocytes membrane after collagenase perfusion. Kishimoto T, et al. **Biochem Biophys Res Commun** 1986 Jan 29;134(2):711–5

Intracellular processing of transferrin and iron by isolated rat hepatocytes. Young SP, et al. **Biochem J** 1985 Dec 15; 232(3):819–23

Binding of DNA to albumin and transferrin modified by treatment with water-soluble carbodiimides. Huckett B, et al. **Biochem Pharmacol** 1986 Apr 15;35(8):1249–57

Effect of 1-anilino-8-naphthalene sulfonate (ANS) on transferrin and iron uptake by reticulocytes. Loh TT, et al. **Biochem Pharmacol** 1986 Sep 15;35(18):3171–3

Transferrin: a study of the iron-binding sites using extended X-ray absorption fine structure and anomalous dispersion techniques. Lindley PF, et al. **Biochem Soc Trans** 1986 Jun; 14(3):542–5

Magnetic relaxation of solvent protons by Cu2+- and VO2+-substituted transferrin: theoretical analysis and biochemical implications. Bertini I, et al. **Biochemistry** 1985 Oct 22;24(22):6287–90

Release of iron from the two iron-binding sites of transferrin by cultured human cells: modulation by methylamine. Bomford A, et al. **Biochemistry** 1985 Jul 2;24(14):3472–8

Thermodynamics of anion binding to human serum transferrin. Harris WR. **Biochemistry** 1985 Dec 3; 24(25):7412–8

Electron spin resonance and magnetic relaxation studies of gadolinium(III) complexes with human transferrin. O'Hara PB, et al. **Biochemistry** 1986 Mar 25;25(6):1445–50

Albumin inhibition of transferrin low-affinity binding to K562 cells. Kishimoto T, et al. **Biochim Biophys Acta** 1986 Mar 14;885(3):294–300

The study of iron mobilisation from transferrin using alpha-ketohydroxy heteroaromatic chelators. Kontoghiorghes GJ. **Biochim Biophys Acta** 1986 Jan 30; 869(2):141–6

Iron uptake and heme synthesis by isolated rat liver mitochondria. Diferric transferrin as iron donor and the effect of pyrophosphate. Nilsen T, et al. **Biochim Biophys Acta** 1985 Oct 17;842(2–3):162–9

The effects of salts and amino group modification on the iron binding domains of transferrin. Thompson CP, et al. **Biochim Biophys Acta** 1986 Apr 22;870(3):530–7

Receptor-mediated endocytosis: the intracellular journey of transferrin and its receptor. Dautry-Varsat A. **Biochimie** 1986 Mar;68(3):375–81 (40 ref.)

Micropuncture studies of receptor-mediated endocytosis of transferrin in the rat epididymis. Djakiew D, et al. **Biol Reprod** 1986 May;34(4):691–9

The effect of iron binding on the conformation of transferrin. A small angle x-ray scattering study. Kilár F, et al. **Biophys J** 1985 Nov;48(5):799–802

Transferrin saturation, plasma iron turnover, and transferrin uptake in normal humans. Cazzola M, et al. **Blood** 1985 Oct;66(4):935–9

Intracellular forms of iron during transferrin iron uptake by mitogen-stimulated human lymphocytes. Bomford A, et al. **Br J Haematol** 1986 Mar;62(3):487–94

Interaction of transferrin with iron-loaded rat peritoneal macrophages. Saito K, et al. **Br J Haematol** 1986 Feb; 62(2):275–86

Fluorescence probe measurement of the pH of the transferrin microenvironment during iron uptake by rat bone marrow erythroid cells. Veldman A, et al. **Br J Haematol** 1986 Jan; 62(1):155–62

Transferrin binding to two human colon carcinoma cell lines: characterization and effect of 60-Hz electromagnetic fields. Phillips JL, et al. **Cancer Res** 1986 Jan;46(1):239–44

Role of transferrin in iron transport between maternal and fetal circulations of a perfused lobule of human placenta. Contractor SF, et al. **Cell Biochem Funct** 1986 Jan; 4(1):69–74

Phorbol ester-induced regulation of transferrin receptors in human leukemia K562 cells. Kohno H, et al. **Cell Struct Funct** 1986 Jun;11(2):181–90

Redistribution of cell surface transferrin receptors prior to their concentration in coated pits as revealed by immunoferritin labels. Cheng TP. **Cell Tissue Res** 1986; 244(3):613–9

Intracellular pathways of endocytosed transferrin and non-specific tracers in epithelial cells lining the rete testis of the rat. Morales C, et al. **Cell Tissue Res** 1986; 245(2):323–30

Effect of desferrioxamine, rhodotorulic acid and cholylhydroxamic acid on transferrin and iron exchange with hepatocytes in culture. Baker E, et al. **Clin Physiol Biochem** 1985;3(6):277–88

The cellular entry of EGF and transferrin: a problem in intracellular sorting. Pastan I, et al. **Curr Top Cell Regul** 1985;26:17–25

Endocytosis and control of expression of transferrin receptor. Hunt RC. **Dev Comp Immunol** 1986 Spring;10(2):273–7

Regulation of transferrin receptor expression at the cell surface by insulin-like growth factors, epidermal growth factor and platelet-derived growth factor. Davis RJ, et al. **EMBO J** 1986 Apr;5(4):653–8

The transmembrane segment of the human transferrin receptor functions as a signal peptide. Zerial M, et al. **EMBO J** 1986 Jul;5(7):1543–50

Subcellular localization of transferrin protein and iron in the perfused rat liver. Effect of Triton WR 1339, digitonin and temperature. Sibille JC, et al. **Eur J Biochem** 1986 Feb 17;155(1):47–55

Loss and reappearance of transferrin receptors in human leukemic cell lines. Petraki H, et al. **Exp Cell Biol** 1986; 54(2):80–8

Liver endothelium mediates the uptake of iron-transferrin complex by hepatocytes. Tavassoli M, et al. **Exp Cell Res** 1986 Aug;165(2):369–79

Binding of gastrin to gastric transferrin. Baldwin GS, et al. **FEBS Lett** 1986 Sep 1;205(1):147–9

Binding of transferrin-iron by adriamycin at acidic pH. Demant EJ, et al. **FEBS Lett** 1986 Feb 17;196(2):321–4

Transferrin receptors in the human gastrointestinal tract. Relationship to body iron stores. Banerjee D, et al. **Gastroenterology** 1986 Oct;91(4):861–9

Hypertransferrinemia in acromegaly. Misaki M, et al. **Horm Metab Res** 1985 Aug;17(8):425–6

Evidence that transferrin may function exclusively as an iron donor in promoting lymphocyte proliferation. Brock JH, et al. **Immunology** 1986 Jan;57(1):105–10

Role of pyocyanin in the acquisition of iron from transferrin. Cox CD. **Infect Immun** 1986 Apr;52(1):263–70

Immunohistochemical distribution of ferritin, lactoferrin, and transferrin in granulomas of bovine paratuberculosis. Momotani E, et al. **Infect Immun** 1986 May;52(2):623–7

Siderophore-mediated iron acquisition from transferrin by Pseudomonas aeruginosa. Sriyosachati S, et al. **Infect Immun** 1986 Jun;52(3):885–91

The binding of plutonium to transferrin in the presence of tri-n-butyl phosphate or nitrate and its release by diethylenetriaminepenta-acetate and the tetrameric catechoylamide ligand LICAMC(C). Duffield JR, et al. **Int J Nucl Med Biol** 1986;12(6):483–7

Identification of transferrin as the principal neptunium-binding protein in the blood serum of rats. Wirth R, et al. **Int J Nucl Med Biol** 1985;12(4):327–30

The exchange of Fe3+ between pyrophosphate and transferrin. Probing the nature of an intermediate complex with stopped flow kinetics, rapid multimixing, and electron paramagnetic resonance spectroscopy. Cowart RE, et al. **J Biol Chem** 1986 Apr 5;261(10):4607–14

Identification of serine 24 as the unique site on the transferrin receptor phosphorylated by protein kinase C. Davis RJ, et al. **J Biol Chem** 1986 Jul 5;261(19):9034–41

Internalization and recycling of transferrin and its receptor. Effect of trifluoperazine on recycling in human erythroleukemic cells. Hunt RC, et al. **J Biol Chem** 1986 Mar 15;261(8):3681–6

Regulation of intracellular iron distribution in K562 human erythroleukemia cells. Mattia E, et al. **J Biol Chem** 1986 Apr 5;261(10):4587–93

Acquisition of iron from transferrin regulates reticulocyte heme synthesis. Ponka P, et al. **J Biol Chem** 1985 Nov 25;260(27):14717–21

Hemin, chelatable iron, and the regulation of transferrin receptor biosynthesis. Rousuli T, et al. **J Biol Chem** 1985 Nov 25;260(27):14862–6

Characterization of non-transferrin-bound iron clearance by rat liver. Wright TL, et al. **J Biol Chem** 1986 Aug 15; 261(23):10909–14

Role of intracellular calcium and protein kinase C in the endocytosis of transferrin and insulin by HL60 cells. Iacopetta B, et al. **J Cell Biol** 1986 Sep;103(3):851–6

Evidence for a pool of non-recycling transferrin receptors in peripheral sheep reticulocytes. Adam M, et al. **J Cell Physiol** 1986 Apr;127(1):8–16

The role of intracellular pH in ligand internalization. Hwang J, et al. **J Cell Physiol** 1986 Jul;128(1):18–22

Receptor-mediated endocytosis of human transferrin and its cell surface receptor. Larrick JW, et al. **J Cell Physiol** 1985 Aug;124(2):283–7

Comparative studies of the binding and growth-supportive ability of mammalian transferrins in human cells. Penhallow RC, et al. **J Cell Physiol** 1986 Aug;128(2):251–60

Transferrin receptor regulation is coupled to intracellular ferritin in proliferating and differentiating HL60 leukemia cells. Rhyner K, et al. **J Cell Physiol** 1985 Dec; 125(3):608–12

Demonstration of the specific binding of bovine transferrin to the human transferrin receptor in K562 cells: evidence for interspecies transferrin internalization. Taavaler L, et al. **J Cell Physiol** 1986 Jul;128(1):1–8

Receptor-mediated endocytosis of transferrin and epidermal growth factor receptors: a comparison of constitutive and ligand-induced uptake. Hopkins CR, et al. **J Cell Sci [Suppl]** 1985;3:173–86

Molecular dissection of the human transferrin receptor. Schneider C, et al. **J Cell Sci [Suppl]** 1985;3:139–49 (36 ref.)

Discordance between transferrin receptor expression and susceptibility to lysis by natural killer cells. Bridges KR, et al. **J Clin Invest** 1985 Sep;76(3):913–8

Biosynthesis of the transferrin receptor in rabbit reticulocytes. Cox TM, et al. **J Clin Invest** 1985 Dec; 76(6):2144–50

Light microscopic, non-immunologic demonstration of iron-binding proteins in hematopoietic cells. Barton JC, et al. **J Histochem Cytochem** 1986 Mar;34(3):299–305

Intracellular transport of transferrin- and asialoorosomucoid-colloidal gold conjugates to lysosomes after receptor-mediated endocytosis. Neutra MR, et al. **J Histochem Cytochem** 1985 Nov;33(11):1134–44

Expression of the transferrin receptor gene during the process of mononuclear phagocyte maturation. Hirata T, et al. **J Immunol** 1986 Feb 15;136(4):1339–45

Effect of human syncytiotrophoblast plasma membrane-soluble extracts on in vitro mitogen-induced lymphocyte proliferation. A possible inhibition mechanism involving the transferrin receptor. Khalfoun B, et al. **J Immunol** 1986 Aug 15;137(4):1187–93

A transferrin receptor antibody represents one signal for the induction of IL 2 production by a human T cell line. Manger B, et al. **J Immunol** 1986 Jan;136(2):532–8

The low affinity 40,000 Fc gamma receptor and the transferrin receptor can be alternative or simultaneous target structures on cells sensitive for natural killing. Perl A, et al. **J Immunol** 1986 Jun 15;136(12):4714–20

Visualization of the receptor for transferrin on K562 cells by a rosette-forming assay. Yamada Y, et al. **J Immunol Methods** 1986 Jan 22;86(1):95–101

Spectral characterization of vanadium-transferrin systems. Bertini I, et al. **J Inorg Biochem** 1985 Sep;25(1):57–60

Estimation of the ferrous-transferrin binding constants based on thermodynamic studies of nickel(II)-transferrin. Harris WR. **J Inorg Biochem** 1986 May;27(1):41–52

In vivo and in vitro studies of hafnium-binding to rat serum transferrin. Then GM, et al. **J Inorg Biochem** 1986 Aug; 27(4):255–70

Transferrin receptor: its biological significance. May WS Jr, et al. **J Membr Biol** 1985;88(3):205–15 (150 ref.)

Chick embryo myotubes contain transferrin receptors and internalize and recycle transferrin. Stamatos C, et al. **J Neurosci Res** 1986;15(4):529–42

Identification of a mouse serum protein increased by administration of an antitumor polysaccharide, PSK, as a variant of mouse transferrin and some of its biological activities. Kojima E, et al. **J Pharmacobiodyn** 1986 Feb; 9(2):174–81

Transendothelial transport (transcytosis) of iron-transferrin complex in the bone marrow. Soda R, et al. **J Ultrastruct Res** 1984 Jul;88(1):18–29

Transferrin receptor as a target for antibody-drug conjugates. Domingo DL, et al. **Methods Enzymol** 1985;112:238–47

Expression and regulation of transferrin receptors on human leukemic cells (HL 60) during cellular proliferation and differentiation. Nishimura J, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Feb;49(1):43–53

Serum somatomedin C, bioassayable growth-promoting activity (thymidine activity), and transferrin in human fetuses: in utero study. Thieriot-Prevost G, et al. **Pediatr Res** 1986 Jan;20(1):71–3

The effect of transferrin saturation on internal iron exchange. Bergamaschi G, et al. **Proc Soc Exp Biol Med** 1986 Oct; 183(1):66–73

Mechanisms of iron uptake in reticulocytes. Glass J, et al. **Prog Clin Biol Res** 1985;184:369–82

In vitro binding of platinum compounds to human transferrin. Sykes TR, et al. **Res Commun Chem Pathol Pharmacol** 1985 Dec;50(3):387–94

Iron absorption and biliary excretion of transferrin in rats. Schümann K, et al. **Res Exp Med (Berl)** 1986;186(3):215–9

Serum iron studies compared to bone marrow iron in patients with pernicious anemia. Fagan MJ, et al. **RI Med J** 1985 Oct;68(10):447–8

Uptake of iron from transferrin by isolated hepatocytes. Relationship to cellular energy metabolism. Thorstensen K, et al. **Scand J Clin Lab Invest** 1986 Apr;46(2):107–13

Does plasma transferrin regulate iron absorption? Aron J, et al. **Scand J Haematol** 1985 Oct;35(4):451–4

The dynamic morphology of the transferrin-transferrin receptor system in human leukaemia/lymphoma cell lines and its relation to iron metabolism and cell proliferation. Forsbeck K, et al. **Scand J Haematol** 1985 Aug;35(2):145–54

[Role of glycans in the binding of human serotransferrin and lactotransferrin to human alveolar macrophages] Goavec M, et al. **C R Acad Sci [III]** 1985;301(16):689–94 (Eng. Abstr.) **(Fre)**

[Monitoring of serum pseudocholinesterase and transferrin in intensive care patients] Cantoni A, et al. **Minerva Anestesiol** 1986 Jan-Feb;52(1-2):51–7 (Eng. Abstr.) **(Ita)**

[Development of a new method for the measurement of TIBC and UIBC using the coprecipitation method—methodology and fundamental evaluation] Kawasaki Y, et al. **Kaku Igaku** 1986 Mar;23(3):281–9 **(Jpn)**

[Ceruloplasmin, haptoglobin and transferrin levels in bronchial secretions in children with chronic diseases of the respiratory tract] Gawel J, et al. **Pediatr Pol** 1985 Nov-Dec;60(11-12):768–74 (Eng. Abstr.) **(Pol)**

[Common endocytosis pathway of the epidermal growth factor and transferrin associated with the Golgi apparatus acidic (ph 6.1) compartment of A431 cells] Sorkin AD, et al. **Dokl Akad Nauk SSSR** 1986 Jul-Aug;289(1):212–5 **(Rus)**

[Increased levels of transferrin in the rabbit heart muscle in experimental myocardial infarction] Burgova EN, et al. **Vopr Med Khim** 1985 Nov-Dec;31(6):77–80 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Decrease of NADH in HeLa cells in the presence of transferrin or ferricyanide. Navas P, et al. **Biochem Biophys Res Commun** 1986 Feb 26;135(1):110–5

Failure of transferrin to enhance iron absorption in achlorhydric human subjects. Bezwoda WR, et al. **Br J Haematol** 1986 Aug;63(4):749–52

Transferrin modulation of colony stimulating factor elaboration by adherent blood and bone marrow cells. Taetle R, et al. **Br J Haematol** 1986 Jan;62(1):163–70

Cell cycle effects of iron depletion on T-47D human breast cancer cells. Reddel RR, et al. **Exp Cell Res** 1985 Dec; 161(2):277–84

Gamma interferon induces colony-forming cells of the human monoblast cell line U937 to respond to inhibition by lactoferrin, transferrin, and acidic isoferritins. Broxmeyer HE, et al. **Exp Hematol** 1986 Jan;14(1):35–43

Activities derived from established human myeloid cell lines reverse the suppression of cell line colony formation by lactoferrin and transferrin. Broxmeyer HE, et al. **Exp Hematol** 1986 Jan;14(1):51–9

The effect of transferrin saturation on the estimation of erythropoietin by the mouse spleen cell microassay. Lappin TR, et al. **Exp Hematol** 1985 Nov;13(10):1007–13

Prostaglandin E counteracts the gamma interferon induction of major histocompatibility complex class-II antigens on U937 cells and induction of responsiveness of U937 colony-forming cells to suppression by lactoferrin, transferrin, acidic isoferritins, and prostaglandin E. Piacibello W, et al. **Exp Hematol** 1986 Jan;14(1):44–50

Effect of four serum components on survival of Treponema pallidum and its attachment to rabbit cells in vitro. Wong GH, et al. **Genitourin Med** 1986 Feb;62(1):1–3

Demonstration of two distinct transferrin receptor recycling pathways and transferrin-independent receptor internalization in K562 cells. Stein BS, et al. **J Biol Chem** 1986 Aug 5;261(22):10319–31

Class specificity of transferrin as a muscle trophic factor. Shimo-Oka T, et al. **J Cell Physiol** 1986 Mar;126(3):341–51

Gallium-67 uptake by hepatoma: studies in cell cultures, perfused livers, and intact rats. Scheffel U, et al. **J Nucl Med** 1985 Dec;26(12):1438–44

Effect of lipoproteins and growth factors on the proliferation of BHK-21 cells in serum free culture. Neufeld G, et al. **Regul Pept** 1986 Feb;13(3-4):293–305

Bacteriostasis of Escherichia coli by bovine lactoferrin, transferrin and immunoglobulins (IgG1, IgG2, IgM) acting alone or in combination. Rainard P. **Vet Microbiol** 1986 Feb;11(1-2):103–15

PHYSIOLOGY

The requirements for transferrin-dependent adherence of human granulocytes to pollen grains. Mackay JA, et al. **Allergy** 1986 Apr;41(3):169–78

Transferrin receptor cycling by human lymphoid cells: lack of effect from inhibition of microtubule assembly. Hedley DW, et al. **Biochem Biophys Res Commun** 1986 Aug 14; 138(3):1216–22

Antioxidant properties of the proteins caeruloplasmin, albumin and transferrin. A study of their activity in serum and synovial fluid from patients with rheumatoid arthritis. Gutteridge JM. **Biochim Biophys Acta** 1986 Jan 30; 869(2):119–27

Iron-induced L1210 cell growth: evidence of a transferrin-independent iron transport. Basset P, et al. **Cancer Res** 1986 Apr;46(4 Pt 1):1644–7

Control of erythroid differentiation: possible role of the transferrin cycle. Schmidt JA, et al. **Cell** 1986 Jul 4; 46(1):41–51

Role of transferrin in metal uptake by human lymphoblasts in vitro. Planas-Bohne F, et al. **Cell Biochem Funct** 1985 Jul;3(3):217–22

The role of transferrin in natural killer cell and IL-2-induced cytotoxic cell function. Shau HY, et al. **Cell Immunol** 1986 Jan;97(1):121–30

Transferrin and the trophic effect of neural tissue on amphibian limb regeneration blastemas. Munaim SI, et al. **Dev Biol** 1986 Jul;116(1):138–42

Necessity of transferrin for RNA synthesis in chick myotubes. Shoji A, et al. **J Cell Physiol** 1986 Jun;127(3):349–56

Transferrin induces maturation of neutrophil granulocyte precursors in vitro. Evans WH, et al. **Leuk Res** 1986; 10(4):429–36

Inhibition of cell growth by monoclonal anti-transferrin receptor antibodies. Lesley JF, et al. **Mol Cell Biol** 1985 Aug;5(8):1814–21

Changes in insulin and transferrin requirements of pure brain neuronal cultures during embryonic development.

Aizenman Y, et al. **Proc Natl Acad Sci USA** 1986 Apr; 83(7):2263–6

Intracellular pools of transferrin receptors result from constitutive internalization of unoccupied receptors. Ajioka RS, et al. **Proc Natl Acad Sci USA** 1986 Sep;83(17):6445–9

Control of myelopoietic growth factor production. Broxmeyer HE, et al. **Prog Clin Biol Res** 1985;184:145–55 (40 ref.)

[Physiological importance of transferrin] Theobald K, et al. **Dtsch Med Wochenschr** 1985 Oct 11;110(41):1581–6 **(Ger)**

[Transferrin] Kimura I. **Nippon Rinsho** 1986 Jan;44(1):156–62 (67 ref.) **(Jpn)**

[A study on the antibacterial activity of amniotic fluid—the significance of intraamniotic transferrin] Oka K. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Apr;38(4):461–9 (Eng. Abstr.) **(Jpn)**

SECRETION

Differential regulation of testicular transferrin and androgen-binding protein secretion in primary cultures of rat Sertoli cells. Perez-Infante V, et al. **Endocrinology** 1986 Jan;118(1):383–92

A modification of the hemolytic plaque test to investigate simultaneously secretion and morphological characteristics of individual cells. Foucrier J, et al. **J Immunol Methods** 1985 Dec 17;85(1):105–14

TRANSFORMATION, BACTERIAL

Genetic transformation in Streptococcus sanguis. Effects on genetic transformation by culture filtrates of Streptococcus sanguis (serogroups H and W) and streptococcus mitis (mitior) with reference to identification. Gaustad P. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Aug; 93(4):283–7

Genetic transformation in Streptococcus sanguis. Identification, surface spreading and competence of invasive strains of Streptococcus sanguis Lancefield groups H and W and other invasive viridans streptococci. Gaustad P. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Aug; 93(4):277–82

Identification of Eikenella corrodens and Cardiobacterium hominis by genetic transformation. Tønjum T, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Dec; 93(6):389–94

Transformation and transfection of anthracycline-producing streptomycetes. Lampel JS, et al. **Appl Environ Microbiol** 1986 Jan;51(1):126–31

High-efficiency transformation of Streptococcus lactis protoplasts by plasmid DNA. Simon D, et al. **Appl Environ Microbiol** 1986 Aug;52(2):394–5

Protoplast transformation in coryneform bacteria and introduction of an alpha-amylase gene from Bacillus amyloliquefaciens into Brevibacterium lactofermentum. Smith MD, et al. **Appl Environ Microbiol** 1986 Mar; 51(3):634–9

Long- and short-patch gene conversions in Streptococcus pneumoniae transformation. Sicard M, et al. **Biochimie** 1985 Mar-Apr;67(3–4):377–84 (37 ref.)

Effect of lipopolysaccharide mutations and temperature on plasmid transformation efficiency in Pseudomonas aeruginosa. Berry D, et al. **Can J Microbiol** 1986 May; 32(5):436–8

Transformation of Erwinia chrysanthemi by Escherichia coli plasmids DNA. Wang J, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1985 May;18(2):115–22

Transformation of Streptomyces granaticolor with natural and recombinant plasmid vectors. Petříček M, et al. **Folia Microbiol (Praha)** 1985;30(6):474–8

Transformation for antibiotic resistance and haemolysin production markers in staphylococci. Mitra M, et al. **Indian J Exp Biol** 1985 Oct;23(10):585–7

Genetic transformation of the extreme thermophile Thermus thermophilus and of other Thermus spp. Koyama Y, et al. **J Bacteriol** 1986 Apr;166(1):338–40

Transformation of Bacillus subtilis by single-stranded plasmid DNA. Rudolph CF, et al. **J Bacteriol** 1986 Mar; 165(3):1015–8

Genetic transformation of genes for protein II in Neisseria gonorrhoeae. Schwalbe RS, et al. **J Bacteriol** 1986 Jul; 167(1):186–90

Transformation and mobilization of cloning vectors in Acinetobacter spp. Singer JT, et al. **J Bacteriol** 1986 Jan; 165(1):301–3

Transformation in Bacillus subtilis: further characterization of a 75,000-dalton protein complex involved in binding and entry of donor DNA. Smith H, et al. **J Bacteriol** 1985 Oct;164(1):201–6

Highly efficient protoplast transformation system for Streptococcus faecalis and a new Escherichia coli-S. faecalis shuttle vector. Wirth R, et al. **J Bacteriol** 1986 Mar;165(3):831–6

Initial steps in Haemophilus influenzae transformation. Donor DNA binding in the com10 mutant. Barouki R, et al. **J Biol Chem** 1986 Jul 5;261(19):8617–23

Isolation of thermophilic mutants of Bacillus subtilis and Bacillus pumilus and transformation of the thermophilic trait to mesophilic strains. Droffner ML, et al. **J Gen Microbiol** 1985 Oct;131 (Pt 10):2789–94

Transformation of a plasmid encoding an adhesin of Staphylococcus aureus into a nonadherent staphylococcal strain. Dunkle LM, et al. **J Infect Dis** 1986 Apr; 153(4):670–5

Spontaneous deletions of drug-resistance determinants from Salmonella typhimurium in Escherichia coli. Roy S, et al. **J Med Microbiol** 1986 Sep;22(2):119–23

Genetic transformation in Streptococcus sanguis. Gaustad P. **J Oslo City Hosp** 1985 Jul-Aug;35(7–8):83–102 (71 ref.)

[Use of transformation in the study of the homology of genes for drug resistance] Pozzi G, et al. **G Ital Chemioter** 1985 Jan-Apr;32(1):177–8 **(Ita)**

[The use of liposomes in the transformation of Streptomyces griseus protoplasts] Stenko AS, et al. **Dokl Akad Nauk SSSR** 1986;288(6):1491–3 **(Rus)**

[Manifestation of instability in the leucine-dependent Bacillus subtilis auxotroph induced by herring DNA] Karpova IS, et al. **Tsitol Genet** 1986 Jan-Feb;20(1):40–6 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Mn2+ dependent transformation of Bacillus subtilis. Popowski J, et al. **Acta Microbiol Pol** 1985;34(3–4):217–25

Effect of Ca2+ ions on plasmid transformation of Streptococcus lactis protoplasts. von Wright A, et al. **Appl Environ Microbiol** 1985 Oct;50(4):1100–2

Polyethylene glycol-facilitated transformation of Bacteroides fragilis with plasmid DNA. Smith CJ. **J Bacteriol** 1985 Oct;164(1):466–9

Inhibition of transformation of Bacillus subtilis by ethidium bromide. Lopez P, et al. **Microbios** 1986; 45(184–185):139–52

RADIATION EFFECTS

[New genetic information on deoxyribonucleic acid from the direct action of near ultraviolet light] Chapital-Blanno L, et al. **Rev Latinoam Microbiol** 1985 Jul-Sep;27(3):267–74 (Eng. Abstr.) **(Spa)**

TRANSFORMATION, GENETIC

see related

DNA, RECOMBINANT

Phenotypic transformation of macrophages to Langerhans cells in the skin. Murphy GF, et al. **Am J Pathol** 1986 Jun;123(3):401–6

Gene transfer and cloning of the amino-acid transport system L from human cells. el-Gewely MR, et al. **Ann NY Acad Sci** 1985;456:417–9

Inactivation of transforming activity of plasmid DNA by lipid peroxidation. **Akasaka S. Biochim Biophys Acta** 1986 Aug 22;867(4):201–8

virA and virG control the plant-induced activation of the T-DNA transfer process of A. tumefaciens. Stachel SE, et al. **Cell** 1986 Aug 1;46(3):325–33

Transformation of embryonic stem cells with the human type-II collagen gene and its expression in chimeric mice. Lovell-Badge RH, et al. **Cold Spring Harbor Symp Quant Biol** 1985;50:707–11

Fate of selectable marker DNA integrated into the genome of Nicotiana tabacum. Czernilofsky AP, et al. **DNA** 1986 Apr;5(2):101–13

Liposome-mediated transformation of tobacco mesophyll protoplasts by an Escherichia coli plasmid. Deshayes A, et al. **EMBO J** 1985 Nov;4(11):2731–7

Several hundred base pairs upstream of Drosophila hsp23 and 26 genes are required for their heat induction in transformed flies. Pauli D, et al. **EMBO J** 1986 Apr; 5(4):755–61

The laser method for efficient introduction of foreign DNA into cultured cells. Kurata S, et al. **Exp Cell Res** 1986 Feb; 162(2):372–8

An infrequent generation of catenated network of pBR322 in Escherichia coli. Komiyama N, et al. **FEBS Lett** 1986 Aug 18;204(2):269–72

Virus-specific nucleotide sequences in duck cells transformed by chicken and duck-adapted Rous sarcoma virus. Ryndich AV, et al. **Folia Biol (Praha)** 1986;32(2):145–53

Development of a high-frequency transforming vector for Aspergillus nidulans. Ballance DJ, et al. **Gene** 1985; 36(3):321–31

One strand of ars189 from the maxicircle of Crithidia fasciculata transforms Saccharomyces cerevisiae more efficiently than its complementary strand as a single stranded DNA. Kim R, et al. **Gene** 1985;40(2–3):285–90

High-copy-number transformants and co-transformation in Dictyostelium. Nellen W, et al. **Gene** 1985;39(2–3):155–63

One-step gene replacement in yeast by cotransformation. Rudolph H, et al. **Gene** 1985;36(1–2):87–95

Genetical and molecular analyses of qa-2 transformants in Neurospora crassa. Case ME. **Genetics** 1986 Jul; 113(3):569–87

Stable transformation of the cyanobacterium Synechocystis sp. PCC 6803 induced by UV irradiation. Dzelzkalns VA, et al. **J Bacteriol** 1986 Mar;165(3):964–71

Heterospecific transformation among cyanobacteria. Stevens SE Jr, et al. **J Bacteriol** 1986 Sep;167(3):1074–6

Localization of competence-induced proteins in Streptococcus pneumoniae. Vijayakumar MN, et al. **J Bacteriol** 1986 Mar;165(3):689–95

Monooxygenase activity of Saccharomyces cerevisiae cells transformed with expression plasmids carrying rat cytochrome P-450MC cDNA. Sakaki T, et al. **J Biochem (Tokyo)** 1986 Mar;99(3):741–9

DNA-mediated gene transfer of a mutant regulatory subunit of cAMP-dependent protein kinase. Abraham I, et al. **J Biol Chem** 1985 Nov 15;260(26):13934–40

Screening for thermostable mutant of kanamycin nucleotidyltransferase by the use of a transformation system for a thermophile, Bacillus stearothermophilus. Matsumura M, et al. **J Biol Chem** 1985 Dec 5;260(28):15298–303

DNA-mediated transfer of cAMP resistance in CHO cells. Abraham I, et al. **J Cell Physiol** 1986 Apr;127(1):89–94

Accumulation of cells with 4N DNA content at nonpermissive temperature in rat embryo diploid cells transformed by tsA mutant of simian virus 40. Okuda A, et al. **J Cell Physiol** 1986 May;127(2):303–10

Enhanced transcription in a pre-B-like cell line transformed with cloned antibody genes after antigen-specific stimulation. Ochi A, et al. **J Immunol** 1986 Apr 1; 136(7):2705–8

Structure of bovine papillomavirus type 1 DNA in a transformed mouse cell line. Allshire RC, et al. **J Mol Biol** 1986 Mar 5;188(1):1–13

Transformation of yeast with linearized plasmid DNA. Formation of inverted dimers and recombinant plasmid products. Kunes S, et al. **J Mol Biol** 1985 Aug 5; 184(3):375–87

Transformed cell clones as a tool to study T-DNA integration mediated by Agrobacterium tumefaciens. Van Lijsebettens M, et al. **J Mol Biol** 1986 Mar 20;188(2):129–45

An attempt to transfer radiation resistance to an ataxia-telangiectasia cell line. Green MH, et al. **KROC Found Ser** 1985;19:173–9

Transfection and cloning of genes for membrane antigens using the FACS. Herzenberg LA, et al. **Med Oncol Tumor Pharmacother** 1984;1(4):219–24

Heterologous insertion of transforming DNA and generation of new deletions associated with transformation in Aspergillus nidulans. Durrens P, et al. **MGG** 1986 Jun; 203(3):544–9

Transfer of mink genes into mouse cells by means of isolated lipid-encapsulated nuclei. Sukoyan MA, et al. **MGG** 1985; 201(3):487–91

Transformation of Aspergillus nidulans with a cloned, oligomycin-resistant ATP synthase subunit 9 gene. Ward M, et al. **MGG** 1986 Feb;202(2):265–70

Pichia pastoris as a host system for transformations. Cregg JM, et al. **Mol Cell Biol** 1985 Dec;5(12):3376–85

DNA-mediated transformation of Chlamydomonas reinhardi cells: use of aminoglycoside 3'-phosphotransferase as a selectable marker. Hasnain SE, et al. **Mol Cell Biol** 1985 Dec;5(12):3647–50

The bovine papillomavirus distal "enhancer" is not cis essential for transformation or for plasmid maintenance. Howley PM, et al. **Mol Cell Biol** 1985 Nov;5(11):3310–5

Augmented expression of normal c-myc is sufficient for cotransformation of rat embryo cells with a mutant ras gene. Lee WM, et al. **Mol Cell Biol** 1985 Dec;5(12):3345–56

Transformation-defective mutant of avian myeloblastosis virus that is temperature sensitive for production of transforming protein p45v-myb. Moscovici MG, et al. **Mol Cell Biol** 1985 Nov;5(11):3301–3

Transformation of cultured Drosophila melanogaster cells with a dominant selectable marker. Rio DC, et al. **Mol Cell Biol** 1985 Aug;5(8):1833–8

Extrachromosomal DNA transformation of Caenorhabditis elegans. Stinchcomb DT, et al. **Mol Cell Biol** 1985 Dec; 5(12):3484–96

Analyses of mutation in pSV2gpt-transformed CHO cells. Tindall KR, et al. **Mutat Res** 1986 Apr;160(2):121–31

High frequency excision of Ty elements during transformation of yeast. Tschumper G, et al. **Nucleic Acids Res** 1986 Apr 11;14(7):2989–3001

Selection-expression plasmid vectors for use in genetic transformation of higher plants. Velten J, et al. **Nucleic Acids Res** 1985 Oct 11;13(19):6981–98

Transformation of the cyanobacterium Anacystis nidulans 6301 with the Escherichia coli plasmid pBR322. Daniell H, et al. **Proc Natl Acad Sci USA** 1986 Apr;83(8):2546–50

Stable transformation of tobacco by electroporation: evidence for plasmid concatenation. Riggs CD, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(15):5602–6

Stable expression of selectable genes introduced into human hematopoietic stem cells by electric field-mediated DNA transfer. Toneguzzo F, et al. **Proc Natl Acad Sci USA** 1986 May;83(10):3496–9

The study of gene dosage and position effects with exogenous globin genes in DNA transformed mice. Lo CW. **Prog Clin Biol Res** 1986;217A:39–42

Creation of transgenic animals to study development and as models for human disease. Evans RM, et al. **Recent Prog Horm Res** 1985;41:317–37

Molecular biology of plant cell transformation. Yadav NS. **Results Probl Cell Differ** 1986;12:109–42 (226 ref.)

Detection, frequency, and stability of cotransformants expressing nonselectable human enzymes. Martiniuk F, et al. **Somatic Cell Mol Genet** 1986 Jan;12(1):1–12

Analysis of homologous recombination in cultured mammalian cells in transient expression and stable transformation assays. Wong EA, et al. **Somatic Cell Mol Genet** 1986 Jan;12(1):63–72

Influence of amino acids encoded in the 3' open reading frame of the SV40 early region on transformation and antigenicity

of large T antigen. Tevethia MJ, et al. **Virology** 1986 Apr 30;150(2):361–72

[High genetic stability of the plasmid containing the hepatitis B virus genome in Saccharomyces cerevisiae transformants] Arman IP, et al. **Dokl Akad Nauk SSSR** 1985;285(2):465–9 **(Rus)**

[In vivo selection of mouse bone marrow colony-forming cells transformed with a plasmid containing the bacterial gene for dihydrofolate reductase] Pereverzev AE, et al. **Dokl Akad Nauk SSSR** 1986 May-Jun;288(1):233–6 **(Rus)**

[Stimulation by double-stranded RNA of the transformation of pro- and eukaryotic cells] Zakharian RA, et al. **Dokl Akad Nauk SSSR** 1986;288(5):1251–3 **(Rus)**

[Functional and structural transformation of chromosomes of various proliferating hematopoietic cells of the bone marrow in albino rats] Chabala LI. **Kosm Biol Aviakosm Med** 1986 May-Jun;20(3):78–80 **(Rus)**

[Genetic transformation of animals by the insertion of foreign genes into the zygotes] Serov OL. **Ontogenez** 1985 Nov-Dec;16(6):553–67 (36 ref.) (Eng. Abstr.) **(Rus)**

[Genetic transformation of somatic cells. VII. The loss of the transformant phenotype is accompanied by both stable and unstable changes in DNA] Glebov OK, et al. **Tsitologiia** 1985 Jul;27(7):797–804 (Eng. Abstr.) **(Rus)**

[Genetic transformation of somatic cells. IX. The loss of the transformant phenotype is accompanied by rearrangements in the plasmid DNA containing the thymidine kinase gene of the herpes virus] Glebov OK, et al. **Tsitologiia** 1985 Jul;27(7):814–21 (Eng. Abstr.) **(Rus)**

[Transformation of mice by a prokaryotic gene for dihydrofolate reductase] Titomirov AV, et al. **Tsitologiia** 1985 Dec;27(12):1374–9 (Eng. Abstr.) **(Rus)**

[Cryotransformation and cryotransfection of bacteria] Il'iashenko BN, et al. **Vestn Akad Med Nauk SSSR** 1985; (10):14–9 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

[Genetic transformation of somatic cells. VIII. The effect of the DNA methylation inhibitor 5-azacytidine on the stability of thymidine kinase-negative and -positive phenotypes of transformant clone cells] Glebov OK, et al. **Tsitologiia** 1985 Jul;27(7):805–13 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Enhancement of genetic transformation frequencies of mammalian cell cultures by damage to the cell DNA. Postel EH. **MGG** 1985;201(1):136–9

TRANSGLUTAMINASE see **PROTEIN-GLUTAMINE GAMMA-GLUTAMYLTRANSFERASE**

TRANSIENT ISCHEMIC ATTACK see **CEREBRAL ISCHEMIA, TRANSIENT**

TRANSIENT SITUATIONAL DISTURBANCE see **ADJUSTMENT DISORDERS**

TRANSIENTS AND MIGRANTS

Infectious diseases and field water supply and sanitation among migrant farm workers. Arbab DM, et al. **Am J Public Health** 1986 Jun;76(6):694–5

Intestinal parasites in a migrant farmworker population. Ungar BL, et al. **Arch Intern Med** 1986 Mar;146(3):513–5

Joint effect of occupation and nationality on the prevalence of peptic ulcer in German workers. Sonnenberg A, et al. **Br J Ind Med** 1986 Jul;43(7):490–3

Trends in cancer mortality among Puerto Rican-born migrants to New York City. Rosenwaike I, et al. **Int J Epidemiol** 1986 Mar;15(1):30–5

A case control study of lung cancer in Florence, Italy. II. Effect of migration from the south. Buiatti E, et al. **J Epidemiol Community Health** 1985 Sep;39(3):251–5

Health problems of migrant children. Michael RJ, et al. **J Sch Health** 1985 Dec;55(10):411–2

Leads from the MMWR. Tuberculosis among migrant farm workers—Virginia. **JAMA** 1986 Aug 22–29;256(8):977, 981

Tuberculosis among migrant farm workers—Virginia. **MMWR** 1986 Jul 25;35(29):467–9

Providing for the health needs of migrant children. Schneider B. **Nurse Pract** 1986 Feb;11(2):54–8, 60, 65

The role of selected dietary elements in breast cancer risk among native and migrant populations in Poland. Zemla B. **Nutr Cancer** 1984;6(3):187–95

Medical utilization patterns of migrant farm workers in Wayne County, New York. Chi PS. **Public Health Rep** 1985 Sep-Oct;100(5):480–90

Patterns of migration propensity for black and white American men. Evidence from a cohort analysis. Pitcher BL, et al. **Res Aging** 1985 Mar;7(1):94–120

Selectivity among nonmetropolitan-bound male migrants in the middle and later years. Stinner WF, et al. **Res Aging** 1985 Sep;7(3):472–88

Women's health in a marginal area of Kenya. Ferguson A. **Soc Sci Med** 1986;23(1):17–29

Migration and biocultural adaptation: Samoans in California. Janes CR, et al. **Soc Sci Med** 1986;22(8):821–34

Agricultural development, migrant labor and the resurgence of malaria in Swaziland. Packard RM. **Soc Sci Med** 1986; 22(8):861–7

Health and mortality of migrant farm children. Slesinger DP, et al. **Soc Sci Med** 1986;23(1):65–74

[Migration and health: a literature review. II. Descriptive studies. An inventory of available studies concerning migrants' health with emphasis on Moroccans in Belgium and the Netherlands] Peeters RF. **Arch Belg** 1985; 43(9–10):444–60 (69 ref.) (Eng. Abstr.) **(Dut)**

[Cause of death and young foreigners in France] Bouvier-Colle MH, et al. **Rev Epidemiol Sante Publique** 1985;33(6):409–16 (Eng. Abstr.) **(Fre)**

[Mortality of silicosis patients among migrant workers] Nakagawa H, et al. **Sangyo Igaku** 1985 Sep;27(5):328–37 (Eng. Abstr.) **(Jpn)**

[Tetanus antitoxin levels in migrants in transit through São Paulo, Brazil] Basile MA, et al. **Rev Inst Med Trop Sao Paulo** 1985 Sep-Oct;27(5):249–57 (Eng. Abstr.) **(Por)**

[Urban growth and disease: schistosomiasis in the municipality of São Paulo (Brazil)] da Silva LJ. **Rev Saude Publica** 1985 Feb;19(1):1–7 (Eng. Abstr.) **(Por)**

[Seasonal and circadian rhythms of androgen excretion in the extremely continental climate of the trans-Baikal and Baikal-Amur Main Line region among groups of newcomers in the local population] Ell'bart VL. **Fiziol Cheloveka** 1986 May-Jun;12(3):483–8 **(Rus)**

[Socio-demographic characteristics of persons migrating to a large industrial city] Stekol'shchikov LV. **Sov Zdravookhr** 1985;(7):48–51 (Eng. Abstr.) **(Rus)**

[Population migrations and the epidemic process of Flexner and Sonne dysentery] Kolganov AV. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Jan;(1):58–62 (Eng. Abstr.) **(Rus)**

[Natural population migration and the dysentery epidemic process] Kolganov AV. **Zh Mikrobiol Epidemiol Immunobiol** 1986 May;(5):60–3 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Alcohol use among migrant laborers in western New York. Watson J, et al. **J Stud Alcohol** 1985 Sep;46(5):403–11

[Experiences in family therapy of Italian migrant workers in rural areas] Genoni L, et al. **Schweiz Arch Neurol Psychiatr** 1985;136(6):105–8 **(Ger)**

TRANSILLUMINATION

The value of diaphanography as an adjunct to mammography in breast diagnostics. Wallberg H, et al. **Acta Chir Scand [Suppl]** 1986;530:83–7

Breast carcinoma and benign breast lesions. Diaphanography and quantitative evaluation using the computer-controlled image scanner OSIRIS. Wallberg H, et al. **Acta Radiol [Diagn] (Stockh)** 1985 Sep-Oct;26(5):535–41

Comparison of mammography and transillumination light scanning in the detection of breast lesions. Gisvold JJ, et al. **AJR** 1986 Jul;147(1):191–4

Infrared light scanning of the breast. Lafreniere R, et al. **Am Surg** 1986 Mar;52(3):123–8

Success rates of blind orotracheal intubation using a transillumination technique with a lighted stylet. Ellis DG, et al. **Ann Emerg Med** 1986 Feb;15(2):138–42

[Diascopy of penile tissue] Suvorov AP, et al. **Vestn Khir** 1986 May;136(5):78–9 **(Rus)**

[The role of cold light in endoscopy and its use in transillumination diagnostics] Dluholucký S. **Cesk Pediatr** 1986 Mar;41(3):168 **(Slo)**

INSTRUMENTATION

Use of otoscope for cranial transillumination of the infant skull [letter] Karnik DJ, et al. **Pediatrics** 1986 Aug; 78(2):380–1

METHODS

Physical interpretation of diaphanograms using the computer-controlled image scanner OSIRIS. Wallberg H, et al. **Acta Radiol [Diagn] (Stockh)** 1985 Jul-Aug; 26(4):417–24

Transillumination of the trachea with a lighted stylet [letter] Williams RT, et al. **Anesth Analg** 1986 May;65(5):542–3

'A comparison of fibreoptic transillumination with bitewing radiographs' [letter] Rattan R. **Br Dent J** 1985 Sep 7; 159(5):139–40

TRANSKETOLASE

ANTAGONISTS & INHIBITORS

An investigation of the carboxyl group function in the active center of transketolase. Kuimov AN, et al. **Biochem Int** 1985 Dec;11(6):913–20

BLOOD

Transketolase variant enzymes and brain damage. Pratt OE, et al. **Alcohol Alcohol** 1985;20(2):223–32

Kinetic transketolase assay: use of whole-blood hemolysate as the sample [letter] Anderson SH, et al. **Clin Chem** 1985 Dec;31(12):2044

Assessment of the thiamine nutritional status. An evaluation of erythrocyte transketolase activity, the stimulated erythrocyte transketolase activity, and the thiamine pyrophosphate effect. Graudal N, et al. **Int J Vitam Nutr Res** 1985;55(4):399–403

[Thiamine deficiency in chronic alcoholism. The effect of thiamine treatment on the erythrocyte transketolase activity and the thiamine pyrophosphate effect] Kristensen M, et al. **Ugeskr Laeger** 1985 Jun 24;147(26):2082–5 (Eng. Abstr.) **(Dan)**

ISOLATION & PURIFICATION

Immunoaffinity purification of rat liver transketolase: evidence for multiple forms of the enzyme. Paoletti F, et al. **Arch Biochem Biophys** 1986 Feb 15;245(1):212–9

Purification and characterization of, and preparation of an antibody to, transketolase from human red blood cells. Takeuchi T, et al. **Biochim Biophys Acta** 1986 Jul 25; 872(1–2):24–32

METABOLISM

The metabolic production of oxalate from xylitol: activities of transketolase, transaldolase, fructokinase and aldolase in liver, kidney, brain, heart and muscle in the rat, mouse, guinea pig, rabbit and human. James HM, et al. **Int J Vitam Nutr Res [Suppl]** 1985;28:29–46

Reduced stability of rat brain transketolase after conversion to the apo form. Jeyasingham MD, et al. **J Neurochem** 1986 Jul;47(1):278–81

[Metabolism of transketolase coenzyme in the rat liver] Gorbach ZV, et al. **Biokhimiia** 1986 Jul;51(7):1093–9 (Eng. Abstr.) **(Rus)**

[The nature of binding between the coenzyme and protein in transketolase from the swine liver] Tikhomirova NK, et al. **Biokhimiia** 1985 Oct;50(10):1653–8 (Eng. Abstr.) **(Rus)**

TRANSLATING

The PSE in the transcultural setting [letter] Oyebode F. **Br J Psychiatry** 1985 Jul;147:92–3

Multilingual translation techniques in the analysis of narrative medical text. Moore GW, et al. **Comput Methods Programs Biomed** 1986 Mar;22(1):35–42

Philippe Pinel, linguist: his work as translator and editor. Weiner DB. **Gesnerus** 1985;42(3–4):499–509

Group theory approach to computer translation of medical German. Moore GW, et al. **Methods Inf Med** 1986 Jul; 25(3):176–82

TRANSLATION, GENETIC

Translational coupling at the intercistronic boundary of an artificially constructed operon in Escherichia coli. Szabó G, et al. **Acta Biochim Biophys Acad Sci Hung** 1985; 20(3–4):223–30

Differential translation of virogenic and oncogenic sequences in malignant lymphoproliferative diseases and transfection of coding DNAs into NIH 3T3 cells. Tóth FD, et al. **Acta Microbiol Hung** 1985;32(4):341–50

Foot-and-mouth disease virus capsid proteins VP0, VP1 and VP3 synthesized by "in vitro" translation are the major components of 14S particles. Grigera P, et al. **Acta Virol (Praha)** 1985 Dec;29(6):449–54

Regulation of protein synthesis in virus-infected animal cells. Kozak M. **Adv Virus Res** 1986;31:229–92 (377 ref.)

Improved hybridization assays employing tailed oligonucleotide probes: a direct comparison with 5'-end-labeled oligonucleotide probes and nick-translated plasmid probes. Collins ML, et al. **Anal Biochem** 1985 Dec; 151(2):211–24

Detection of transcription and translation in situ with biotinylated molecular probes in cells transfected with recombinant DNA plasmids. Smith GH, et al. **Anal Biochem** 1986 Jul;156(1):17–24

Small nuclear ribonucleoprotein antigens are absent from 10S translation inhibitory ribonucleoprotein but present in cytoplasmic messenger ribonucleoprotein and polysomes. Boak AM, et al. **Arch Biochem Biophys** 1986 Jul; 248(1):89–100

In vitro translation of intestinal sucrase-isomaltase and glucoamylase. Alpers DH, et al. **Biochem Biophys Res Commun** 1986 Jan 14;134(1):37–43

Biochemical studies on proacrosin and acrosin from epididymal boar spermatozoa: in vitro translation of boar testicular proacrosin mRNA. Berruti G, et al. **Biochem Biophys Res Commun** 1986 Jul 16;138(1):139–45

In vitro translation of chicken type X collagen in the presence of pancreas microsomes. Castagnola P, et al. **Biochem Biophys Res Commun** 1986 Apr 14;136(1):109–15

An efficient and prolonged in vitro translational system from isolated cucumber etioplasts. Daniell H, et al. **Biochem Biophys Res Commun** 1986 Feb 26;135(1):248–55

In vitro translation products of Drosophila mitochondria are contaminated with newly synthesized bacterial proteins. Fleming JE, et al. **Biochem Biophys Res Commun** 1986 Apr 29;136(2):797–801

Role of mRNA 5'-terminal caps in translational dormancy of Physarum polycephalum. Halsell SR, et al. **Biochem Biophys Res Commun** 1986 Jan 29;134(2):469–76

Partial characterization of intra- and extracellular forms of the glycoprotein hemopexin in liver cell culture and cell-free translation. Katz NR, et al. **Biochem Biophys Res Commun** 1985 Sep 16;131(2):593–9

Heat shock stress initiates simultaneous transcriptional and translational changes in the dog heart. Lai YK, et al. **Biochem Biophys Res Commun** 1986 Jan 14;134(1):166–71

Cell-free translation of the vitamin K-dependent bone protein osteocalcin. Mackowiak S, et al. **Biochem Biophys Res Commun** 1985 Oct 15;132(1):240–4

Transcription but not translation is required for EDTA-induced autolysis in Escherichia coli. Prasad KS, et al. **Biochem Biophys Res Commun** 1986 Jan 14; 134(1):338–43

Switching in levels of translatable mRNAs for enolase isozymes during development of chicken skeletal muscle. Tanaka M, et al. **Biochem Biophys Res Commun** 1985 Dec 31;133(3):868–72

Heating RNA before cell-free translation gives no selective increases among the translation products of RNA from rat heart and mammary gland, rabbit reticulocyte membranes, or trout liver. Mezl VA, et al. **Biochem Cell Biol** 1986 Jun; 64(6):504–8

Electrophoretic determination of sulfhydryl groups and its application to complex protein samples, in vitro protein synthesis mixtures, and cross-linked proteins. Stan-Lotter H, et al. **Biochem Cell Biol** 1986 Feb;64(2):154–60

Translational control of an intestinal microvillar enzyme. Danielsen EM, et al. **Biochem J** 1986 Apr 15;235(2):447–51

Translation of rat intestinal RNA yields two alkaline phosphatases. Sussman NL, et al. **Biochem J** 1986 Mar 15; 234(3):563–8

Translation mechanism in prokaryotes: structure and expression of Escherichia coli initiation factor IF3 gene. Grunberg-Manago M, et al. **Biochem Soc Symp** 1982; 47:95–112 (48 ref.)

Translational regulation of mRNAs for ribosomal proteins during early Drosophila development. Al-Atia GR, et al. **Biochemistry** 1985 Oct 8;24(21):5798–803

Analysis of translational fidelity of ribosomes with protamine messenger RNA as a template. Mori N, et al. **Biochemistry** 1985 Feb 26;24(5):1231–9

Effect of medium hypertonicity on reovirus translation rates. An application of kinetic modeling in vivo. Ray A, et al. **Biochemistry** 1985 Dec 17;24(26):7525–32

Evidence for processing of maize catalase 2 and purification of its messenger RNA aided by translation of antibody-bound polysomes. Skadsen RW, et al. **Biochemistry** 1986 Apr 22;25(8):2027–32

Translational control of gene expression in a normal fibroblast. Characterization of a subclass of mRNAs with unusual kinetic properties. Walden WE, et al. **Biochemistry** 1986 Apr 22;25(8):2033–41

Are all mitochondrial translation products synthesized on membrane-bound ribosomes? Marzuki S, et al. **Biochim Biophys Acta** 1986 Mar 26;866(2–3):120–4

Identification of sites of cysteine misincorporation during in vivo synthesis of bacteriophage T7 0.3 protein. Rice JB, et al. **Biochim Biophys Acta** 1986 May 27;867(1–2):57–66

Effects of addition of derived 40 S subunits on translation rate and polysome profile of the reticulocyte lysate. Tas PW, et al. **Biochim Biophys Acta** 1986 Feb 24;866(1):75–82

In vitro translation of human pheochromocytoma messenger RNAs: characterization of tyrosine-hydroxylase and dopamine-beta-hydroxylase. Benlot C, et al. **Biochimie** 1985 Jun;67(6):589–95

Prokaryotic gene expression in vitro: transcription-translation coupled systems. Cenatiempo Y. **Biochimie** 1986 Apr;68(4):505–15 (105 ref.)

Circularization of retroviral genomic RNA and the control of RNA translation, packaging and reverse transcription. Darlix JL. **Biochimie** 1986 Jul-Aug;68(7–8):941–9

Counting cycles of EF-Tu to measure proofreading in translation. Ehrenberg M, et al. **Biochimie** 1986 Mar; 68(2):261–73

Cell-free translation of mitochondrial nicotinamide nucleotide transhydrogenase. Carlenor E, et al. **Biosci Rep** 1985 Jun;5(6):483–90

Genetic engineering in Bacillus subtilis. Doi RH. **Biotechnol Genet Eng Rev** 1984;2:121–55 (105 ref.)

Detection of the c-myc oncogene product in colonic polyps and carcinomas. Stewart J, et al. **Br J Cancer** 1986 Jan; 53(1):1–6

The clinical significance of flow cytometric c-myc oncoprotein quantitation in testicular cancer. Watson JV, et al. **Br J Cancer** 1986 Mar;53(3):331–7

Presence of I-region gene products on the cells and their products of the dengue virus-induced suppressor pathway. Shukla MI, et al. **Br J Exp Pathol** 1986 Aug;67(4):563–9

New translation system of mRNA coding for neurotransmitter receptors using oocytes of the newt, Cynops pyrrhogaster. Kobayashi S, et al. **Brain Res** 1986 Jul;387(1):93–6

In vitro translation of mRNA for arginine esterase, the major secretory protein of dog prostate, and in vitro processing of the translation product. Chapdelaine P, et al. **Can J Biochem Cell Biol** 1985 Jul;63(7):705–10

Translational control of transcription in eukaryotes. Fink GR. **Cell** 1986 Apr 25;45(2):155–6

Small nuclear ribonucleoprotein particle assembly in vivo: demonstration of a 6S RNA-free core precursor and posttranslational modification. Fisher DE, et al. **Cell** 1985 Oct;42(3):751–8

Translational and transcriptional control elements in the untranslated leader of the heat-shock gene hsp22. Hultmark D, et al. **Cell** 1986 Feb 14;44(3):429–38

The preferential translation of Drosophila hsp70 mRNA requires sequences in the untranslated leader. McGarry TJ, et al. **Cell** 1985 Oct;42(3):903–11

Inefficient translation initiation causes premature transcription termination in the lacZ gene. Stanssens P, et al. **Cell** 1986 Mar 14;44(5):711–8

Protein phosphorylation and translational control in reticulocytes: activation of the heme-controlled translational inhibitor by calcium ions and phospholipid. de Haro C, et al. **Curr Top Cell Regul** 1985;27:63–81

Regulation of gene expression of translation components in Escherichia coli: initiation factors and aminoacyl tRNA synthetases. Grunberg-Manago M, et al. **Curr Top Cell Regul** 1985;26:503–20

An improved method for in situ nick translation of human chromosomes with biotin 11-labelled dUTP detected by biotinylated alkaline phosphatase. Bullerdiek J, et al. **Cytobios** 1986;45(180):35–43

Translocation of nascent secretory proteins across membranes can occur late in translation. Ainger KJ, et al. **EMBO J** 1986 May;5(5):951–5

Expression of the human proenkephalin gene in mouse pituitary cells: accurate and efficient mRNA production and proteolytic processing. Comb M, et al. **EMBO J** 1985 Dec 1;4(12):3115–22

Detection and developmental regulation of the mRNA for the regulatory subunit of the cAMP-dependent protein kinase of D. discoideum by cell-free translation. de Gunzburg J, et al. **EMBO J** 1986 Feb;5(2):363–7

Mitochondrial translation of subunits of the rotenone-sensitive NADH:ubiquinone reductase in Neurospora crassa. Ise W, et al. **EMBO J** 1985 Aug; 4(8):2075–80

Selective translation of heat shock mRNA in Drosophila melanogaster depends on sequence information in the leader. Klemenz R, et al. **EMBO J** 1985 Aug;4(8):2053–60

Signal recognition particle (SRP) does not mediate a translational arrest of nascent secretory proteins in mammalian cell-free systems. Meyer DI. **EMBO J** 1985 Aug;4(8):2031–3

Metabolism of c-myc gene products: c-myc mRNA and protein expression in the cell cycle. Rabbitts PH, et al. **EMBO J** 1985 Aug;4(8):2009–15

Human transcortin synthesis by a cell-free translation of hepatic mRNA. Sueda K, et al. **Endocrinol Jpn** 1985 Apr; 32(2):295–303

Analysis of modification-dependent structural alterations in the anticodon loop of Escherichia coli tRNAArg and their effects on the translation of MS2 RNA. Baumann U, et al. **Eur J Biochem** 1985 Nov 4;152(3):645–9

Primary structures of mutationally altered ribosomal protein L7/L12 and their effects on cellular growth and translational accuracy. Kirsebom LA, et al. **Eur J Biochem** 1986 May 2;156(3):669–75

Translation kinetics in cultured mouse hepatoma cells. Regulation of albumin synthesis by amino acids. Ledford BE, et al. **Eur J Biochem** 1985 Nov 4;152(3):611–8

Ribosomes are stalled during in vitro translation of alfalfa mosaic virus RNA 1. Lindhout P, et al. **Eur J Biochem** 1985 Nov 4;152(3):625–31

Optimization of protein synthesis in isolated higher plant chloroplasts. Identification of paused translation intermediates. Mullet JE, et al. **Eur J Biochem** 1986 Mar 3;155(2):331–8

Tarantula hemocyanin mRNA. In vitro translation, cDNA cloning and nucleotide sequence corresponding to subunit e. Voit R, et al. **Eur J Biochem** 1986 Aug 15;159(1):23–9

Cell cycle-dependent expression of nuclear matrix proteins of Ehrlich ascites cells studied by in vitro translation. Bludau H, et al. **Exp Cell Res** 1986 Jul;165(1):269–82

Proliferation-associated changes in in vitro mRNA translation in the HL60 cell line. Reyland ME, et al. **Exp Cell Res** 1985 Sep;160(1):63–72

Control of protein synthesis by amino acid supply. The effect of asparagine deprivation on the translation of messenger RNA in reticulocyte lysates. Arnstein HR, et al. **FEBS Lett** 1986 Jan 1;194(1):146–50

GACcodonGGC: a very favorable context for translation errors? Laughrea M. **FEBS Lett** 1986 Jan 20;195(1–2):185–6

Expression of the vasopressin and oxytocin genes in human hypothalami. Mohr E, et al. **FEBS Lett** 1985 Nov 25; 193(1):12–6

Fine tuning of ribosomal accuracy. Ninio J. **FEBS Lett** 1986 Feb 3;196(1):1–4

Two distinct polypeptides may be translated from a single spliced mRNA of the X genes of human T-cell leukemia and bovine leukemia viruses. Sagata N, et al. **FEBS Lett** 1985 Nov 11;192(1):37–42

The processing of peptide precursors. 'Proline-directed arginyl cleavage' and other monobasic processing mechanisms. Schwartz TW. **FEBS Lett** 1986 May 5; 200(1):1–10 (70 ref.)

Translational interference at overlapping reading frames in prokaryotic messenger RNA. Berkhout B, et al. **Gene** 1985; 37(1–3):171–9

Enhancement of translational efficiency by the Escherichia coli atpE translational initiation region: its fusion with two human genes. McCarthy JE, et al. **Gene** 1986;41(2–3):201–6

Temporal variation for the expression of catalase in Drosophila melanogaster: correlations between rates of enzyme synthesis and levels of translatable catalase-messenger RNA. Bewley GC, et al. **Genetics** 1986 Aug;113(4):919–38

Studies of gene transcription and translation in regenerating rat liver. Huber BE, et al. **Hepatology** 1986 Mar-Apr; 6(2):209–19

Translational regulatory signals within the coding region of the bacteriophage lambda cIII gene. Altuvia S, et al. **J Bacteriol** 1986 Jul;167(1):415–9

Chloramphenicol-induced translation of cat-86 mRNA requires two cis-acting regulatory regions. Ambulos NP Jr, et al. **J Bacteriol** 1985 Nov;164(2):696–703

Influence of modification next to the anticodon in tRNA on codon context sensitivity of translational suppression and accuracy. Bouadloun F, et al. **J Bacteriol** 1986 Jun; 166(3):1022–7

Replication of plasmid RK2 in vitro by a DNA-membrane complex: evidence for initiation of replication and its coupling to transcription and translation. Kornacki JA, et al. **J Bacteriol** 1986 Jul;167(1):319–26

Effect of a 2-methylthio-N6-isopentenyladenosine deficiency on peptidyl-tRNA release in Escherichia coli. Petrullo LA, et al. **J Bacteriol** 1986 Feb;165(2):608–11

Does secA mediate coupling between secretion and translation in Escherichia coli? Strauch KL, et al. **J Bacteriol** 1986 May;166(2):505–12

Translational coupling in Bacillus subtilis of a heterologous Bacillus subtilis-Escherichia coli gene fusion. Zaghloul TI, et al. **J Bacteriol** 1985 Nov;164(2):550–5

Determination of the initiation sites of transcription and translation of the uvrD gene of Escherichia coli. Yamamoto Y, et al. **J Biochem (Tokyo)** 1986 Jun;99(6):1579–90

The secY protein can act post-translationally to promote bacterial protein export. Bacallao R, et al. **J Biol Chem** 1986 Sep 25;261(27):12907–10

Structure of yeast LEU4. The 5' flanking region contains features that predict two modes of control and two productive translation starts. Beltzer JP, et al. **J Biol Chem** 1986 Apr 15;261(11):5160–7

Demonstration of post-translational secretion of human placental lactogen by a mammalian in vitro translation system. Caulfield MP, et al. **J Biol Chem** 1986 Aug 25; 261(24):10953–6

Structure of the Escherichia coli K12 regulatory gene tyrR. Nucleotide sequence and sites of initiation of transcription and translation. Cornish EC, et al. **J Biol Chem** 1986 Jan 5;261(1):403–10

The expression of a gene for eukaryotic elongation factor Tu in Artemia during development. Translation of poly(A)+ RNA and the use of a synthetic oligonucleotide to detect the presence of eukaryotic elongation factor Tu-specific mRNA. Daum HA 3d, et al. **J Biol Chem** 1985 Dec 25;260(30):16347–53

Different alterations of the ribosomal protein S7 lead to opposite effects on translational fidelity in the fungus Podospora anserina. Dequard-Chablat M. **J Biol Chem** 1986 Mar 25;261(9):4117–21

Changes in eIF-4D hypusine modification or abundance are not correlated with translational repression in HeLa cells. Duncan RF, et al. **J Biol Chem** 1986 Sep 25;261(27):12903–6

Primary translation products, biosynthesis, and tissue specificity of the major surfactant protein in rat. Floros J, et al. **J Biol Chem** 1986 Jan 15;261(2):828–31

Cell-free synthesis, membrane integration, and glycosylation of pro-sucrase-isomaltase. Ghersa P, et al. **J Biol Chem** 1986 Jun 15;261(17):7969–74

Sequence of two related P-450 mRNAs transcriptionally increased during rat development. An R.dre.1 sequence occupies the complete 3' untranslated region of a liver mRNA. Gonzalez FJ, et al. **J Biol Chem** 1986 Aug 15; 261(23):10667–72

Inefficient translation of T7 late mRNA by Bacillus subtilis ribosomes. Implications for species-specific translation. Hager PW, et al. **J Biol Chem** 1985 Dec 5;260(28):15163–7

In vitro biosynthesis of human renin and identification of plasma inactive renin as an activation intermediate. Hirose S, et al. **J Biol Chem** 1985 Dec 25;260(30):16400–5

Regulation of chloroplast-encoded chlorophyll-binding protein translation during higher plant chloroplast biogenesis. Klein RR, et al. **J Biol Chem** 1986 Aug 25; 261(24):11138–45

Differential translation of the genes encoding the proton-translocating ATPase of Escherichia coli. Klionsky DJ, et al. **J Biol Chem** 1986 Jun 25;261(18):8096–9

Transcriptional-translational regulation of muscle-specific protein synthesis and its relationship to chondrogenic stimuli. Nathanson MA, et al. **J Biol Chem** 1986 Jan 25; 261(3):1477–86

Regulation of protein synthesis in heat-shocked Drosophila cells. Soluble factors control translation in vitro. Sanders MM, et al. **J Biol Chem** 1986 Feb 15;261(5):2189–96

Identification and characterization of glycine-extended post-translational processing intermediates of progastrin in porcine stomach. Sugano K, et al. **J Biol Chem** 1985 Sep 25;260(21):11724–9

The induction and characterization of rat liver stearyl-CoA desaturase mRNA. Thiede MA, et al. **J Biol Chem** 1985 Nov 25;260(27):14459–63

The translational efficiency of tRNA is a property of the anticodon arm. Yarus M, et al. **J Biol Chem** 1986 Aug 15;261(23):10496–505

Secretogranins I and II: two tyrosine-sulfated secretory proteins common to a variety of cells secreting peptides by the regulated pathway. Rosa P, et al. **J Cell Biol** 1985

Nov;101(5 Pt 1):1999–2011
Insulin–like growth factor I regulation of transcription and replicating enzyme induction necessary for DNA synthesis. Yang HC, et al. **J Cell Physiol** 1986 Jun;127(3):410–6
Pretranslational regulation of the synthesis of the third component of complement in human mononuclear phagocytes by the lipid A portion of lipopolysaccharide. Strunk RC, et al. **J Clin Invest** 1985 Sep;76(3):985–90
Expression of the Tcp–1 locus of the mouse during early embryogenesis. Sánchez ER, et al. **J Embryol Exp Morphol** 1985 Oct;89:113–22
Quantitation of two–dimensional gel proteins reveals unequal amounts of Tcp–1 gene products during mouse spermatogenesis but no correlation with transmission ratio distortion. Sánchez ER, et al. **J Embryol Exp Morphol** 1985 Oct;89:123–31
Intracellular pH and ribosomal protein S6 phosphorylation: role in translational control in Xenopus oocytes. Taylor MA, et al. **J Embryol Exp Morphol** 1985 Nov;89 Suppl:35–51
Cell–free translation of Drosophila imaginal disc mRNA. Greenberg RM, et al. **J Exp Zool** 1985 Oct;236(1):53–8
Changes in the rate of translation with reactivation of delayed implanting mouse embryos. Weitlauf HM. **J Exp Zool** 1985 Dec;236(3):309–12
Translational control in murine hepatitis virus infection. Hilton A, et al. **J Gen Virol** 1986 May;67 (Pt 5):923–32
The regulation of translation in reovirus–infected cells. Muñoz A, et al. **J Gen Virol** 1985 Oct;66 (Pt 10):2161–70
Translation and functional expression of cell–cell channel mRNA in Xenopus oocytes. Werner R, et al. **J Membr Biol** 1985;87(3):253–68
Changes in the half–life of ribosomal protein messenger RNA caused by translational repression. Cole JR, et al. **J Mol Biol** 1986 Apr 5;188(3):383–92
Messenger RNA conformation and ribosome selection of translational reinitiation sites in the lac repressor mRNA. Cone KC, et al. **J Mol Biol** 1985 Dec 20;186(4):725–32
Functional analysis of lac repressor restart sites in translational initiation and reinitiation. Cone KC, et al. **J Mol Biol** 1985 Dec 20;186(4):733–42
Disallowed conformations of the tetrahedral intermediate. Lim VI. **J Mol Biol** 1986 Apr 20;188(4):575–7
Stereochemical analysis of ribosomal transpeptidation. Conformation of nascent peptide. Lim VI, et al. **J Mol Biol** 1986 Apr 20;188(4):565–74
Constraints on codon context in Escherichia coli genes. Their possible role in modulating the efficiency of translation. Shpaer EG. **J Mol Biol** 1986 Apr 20;188(4):555–64
Cell–free transcription and translation of isolated restriction fragments localize bacteriophage T5 pre–early genes. Blaisdell PW, et al. **J Virol** 1986 Mar;57(3):759–64
The soluble glycoprotein of vesicular stomatitis virus is formed during or shortly after the translation process. Graeve L, et al. **J Virol** 1986 Mar;57(3):968–75
Internal initiation of translation on the vesicular stomatitis virus phosphoprotein mRNA yields a second protein. Herman RC. **J Virol** 1986 Jun;58(3):797–804
Characterization and translation of transmissible gastroenteritis virus mRNAs. Jacobs L, et al. **J Virol** 1986 Mar;57(3):1010–5
Nucleotide sequence of the small double–stranded RNA segment of bacteriophage phi 6: novel mechanism of natural translational control. McGraw T, et al. **J Virol** 1986 Apr; 58(1):142–51
Isolation of the specific mRNA coding for a CALLA–like protein and partial characterization of its cell–free translational products. Kabisch H, et al. **Leuk Res** 1985; 9(11):1405–13
The effect of aging on the structure and function of liver messenger RNA. Birchenall–Sparks MC, et al. **Mech Ageing Dev** 1985 Oct 14;32(1):99–111
Does the capacity of ribosomes to control translation fidelity change with age [letter] Butzow JJ, et al. **Mech Ageing Dev** 1986 May;34(3):313
Detection of a high–molecular–weight LHRH precursor by cell–free translation of mRNA from human, rat, and mouse hypothalamus. Curtis A, et al. **Methods Enzymol** 1986; 124:318–35
Intra– and extracellular modifications of apolipoproteins. Zannis VI, et al. **Methods Enzymol** 1986;128:690–712
Role of translation in the UTP–modulated attenuation at the pyrBI operon of Escherichia coli. Clemmesen K, et al. **MGG** 1985;201(2):247–51
Mistranslation during phenylalanine starvation. Parker J, et al. **MGG** 1986 Jul;204(1):70–4
Identification of hookworm (Necator americanus) antigens and their translation in vitro. Carr A, et al. **Mol Biochem Parasitol** 1986 Jun;19(3):251–8
In vitro translation of rat liver and Novikoff hepatoma cytokeratin mRNAs. Krajewska WM, et al. **Mol Cell Biochem** 1986 Apr;70(1):77–88
Microinjection of mRNA enhances translational efficiency of human adenovirus fiber message in monkey cells. Anderson KP, et al. **Mol Cell Biol** 1985 Oct;5(10):2870–3
A mutation allowing an mRNA secondary structure diminishes translation of Saccharomyces cerevisiae iso–1–cytochrome c. Baim SB, et al. **Mol Cell Biol** 1985 Aug;5(8):1839–46
Poliovirus mutant that does not selectively inhibit host cell protein synthesis. Bernstein HD, et al. **Mol Cell Biol** 1985 Nov;5(11):2913–23
Regulation of the human c–myc gene: 5' noncoding sequences do not affect translation. Butnick NZ, et al. **Mol Cell Biol** 1985 Nov;5(11):3009–16
A hierarchy of trans–acting factors modulates translation of an activator of amino acid biosynthetic genes in Saccharomyces cerevisiae. Hinnebusch AG. **Mol Cell Biol** 1985 Sep;5(9):2349–60
Selective translational regulation of ribosomal protein gene expression during early development of Drosophila melanogaster. Kay MA, et al. **Mol Cell Biol** 1985 Dec; 5(12):3583–92
Mechanism for differential sensitivity of the chromosome and growth cycles of mammalian cells to the rate of protein synthesis. Wu RS, et al. **Mol Cell Biol** 1985 Nov; 5(11):2959–66
Processing of rat and human angiotensinogen precursors by microsomal membranes. Campbell DJ, et al. **Mol Cell Endocrinol** 1985 Nov;43(1):31–40
Translocation of murine interleukin 2 into microsomes during translation in a cell–free system. Harnish DG, et al. **Mol Immunol** 1986 Feb;23(2):201–7
Expression of peptide chain release factor 2 requires high–efficiency frameshift. Craigen WJ, et al. **Nature** 1986 Jul 17–23;322(6076):273–5
Expression of insulin–like growth factor–II transcripts in Wilms' tumour. Reeve AE, et al. **Nature** 1985 Sep 19–25; 317(6034):258–60
Mechanism of translational coupling between coat protein and replicase genes of RNA bacteriophage MS2. Berkhout B, et al. **Nucleic Acids Res** 1985 Oct 11;13(19):6955–67
Evidence for transcription and potential translation of the human 1.9 kb HindIII repetitive element. Citron BA, et al. **Nucleic Acids Res** 1986 Apr 11;14(7):3137–42
The effect of capping and polyadenylation on the stability, movement and translation of synthetic messenger RNAs in Xenopus oocytes. Drummond DR, et al. **Nucleic Acids Res** 1985 Oct 25;13(20):7375–94
Synthetic oligonucleotide tails inhibit in vitro and in vivo translation of SP6 transcripts of maize zein cDNA clones. Galili G, et al. **Nucleic Acids Res** 1986 Feb 11;14(3):1511–24
Translation arrest by oligodeoxynucleotides complementary to mRNA coding sequences yields polypeptides of predetermined length. Haeuptle MT, et al. **Nucleic Acids Res** 1986 Feb 11;14(3):1427–48
Translational regulation of expression of the bacteriophage T4 lysozyme gene. McPheeters DS, et al. **Nucleic Acids Res** 1986 Jul 25;14(14):5813–26
The use of single–stranded DNA and RNase H to promote quantitative 'hybrid arrest of translation' of mRNA/DNA hybrids in reticulocyte lysate cell–free translations. Minshull J, et al. **Nucleic Acids Res** 1986 Aug 26; 14(16):6433–51
Evidence for the translational attenuation model: ribosome–binding studies and structural analysis with an in vitro run–off transcript of ermC. Narayanan CS, et al. **Nucleic Acids Res** 1985 Oct 25;13(20):7307–26
Infectious bronchitis virus RNA D encodes three potential translation products. Niesters HG, et al. **Nucleic Acids Res** 1986 Apr 11;14(7):3144
A computer program for translating DNA sequences into protein. Taylor P. **Nucleic Acids Res** 1986 Jan 10; 14(1):437–41
Poly(riboadenylic acid) preferentially inhibits in vitro translation of cellular mRNAs compared with vaccinia virus mRNAs: possible role in vaccinia virus cytopathology. Bablanian R, et al. **Proc Natl Acad Sci USA** 1986 Mar;83(5):1290–4
Translational regulation is responsible for growth–rate–dependent and stringent control of the synthesis of ribosomal proteins L11 and L1 in Escherichia coli. Cole JR, et al. **Proc Natl Acad Sci USA** 1986 Jun; 83(12):4129–33
Base substitutions in the tRNA anticodon arm do not degrade the accuracy of reading frame maintenance. Curran JF, et al. **Proc Natl Acad Sci USA** 1986 Sep;83(17):6538–42
Misread protein creates membrane channels: an essential step in the bactericidal action of aminoglycosides. Davis BD, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(16):6164–8
Elongation factor Tu.guanosine 3'-diphosphate 5'-diphosphate complex increases the fidelity of proofreading in protein biosynthesis: mechanism for reducing translational errors introduced by amino acid starvation. Dix DB, et al. **Proc Natl Acad Sci USA** 1986 Apr;83(7):2027–31
Influences of mRNA secondary structure on initiation by eukaryotic ribosomes. Kozak M. **Proc Natl Acad Sci USA** 1986 May;83(9):2850–4
Structural features of the 5' noncoding region of the rabbit globin messenger RNAs engaged in translation. Krowczynska A, et al. **Proc Natl Acad Sci USA** 1986 Feb; 83(4):902–6
Fate of reversing factor during restoration of protein synthesis by hemin or GTP in heme–deficient reticulocyte lysates. Matts RL, et al. **Proc Natl Acad Sci USA** 1986 Mar;83(5):1217–21
Genetic definition of the translational operator of the threonine–tRNA ligase gene in Escherichia coli. Springer M, et al. **Proc Natl Acad Sci USA** 1986 Jun;83(12):4384–8
Growing Xenopus oocytes have spare translational capacity. Taylor MA, et al. **Proc Natl Acad Sci USA** 1985 Oct; 82(19):6586–9
Evidence that intracellular magnesium is present in cells at a regulatory concentration for protein synthesis. Terasaki M, et al. **Proc Natl Acad Sci USA** 1985 Nov;82(21):7324–6
Specific inhibition of mRNA translation by complementary oligonucleotides covalently linked to intercalating agents. Toulmé JJ, et al. **Proc Natl Acad Sci USA** 1986 Mar; 83(5):1227–31
Multiple cis–acting elements modulate the translational efficiency of GCN4 mRNA in yeast. Tzamarias D, et al. **Proc Natl Acad Sci USA** 1986 Jul;83(13):4849–53
Effects of starvation on rat liver mRNA translation products. Howard G, et al. **Proc Soc Exp Biol Med** 1986 Feb; 181(2):312–7
Glycosylation and posttranslational processing of thyroid–stimulating hormone: clinical implications. Weintraub BD, et al. **Recent Prog Horm Res** 1985; 41:577–606 (54 ref.)
Purification of the pepsinogen A isozymogens by means of high resolution ion–exchange chromatography. Evidence for post–translational modifications. Delize J, et al. **Scand J Clin Lab Invest** 1985 Nov;45(7):649–55
The context effect does not require a fourth base pair. Ayer D, et al. **Science** 1986 Jan 24;231(4736):393–5
Expression of the Rous sarcoma virus pol gene by ribosomal frameshifting. Jacks T, et al. **Science** 1985 Dec 13; 230(4731):1237–42
Uncoupling translocation from translation: implications for transport of proteins across membranes. Perara E, et al. **Science** 1986 Apr 18;232(4748):348–52
In vitro translation of cucumoviral satellites. II. CARNA 5 from cucumber mosaic virus strain S and SP6 transcripts of cloned (S)CARNA 5 cDNA produce electrophoretically comigrating protein products. Avila–Rincon MJ, et al. **Virology** 1986 Jul 30;152(2):455–8
Characterization of vaccinia virus transcripts involved in selective inhibition of host protein synthesis. Bablanian R, et al. **Virology** 1986 Jan 30;148(2):375–80
Differential effects of defective interfering Semliki Forest virus on cellular and virus polypeptide synthesis. Barrett AD, et al. **Virology** 1985 Apr 15;142(1):59–67
Polypeptides of Mason–Pfizer monkey virus. III. Translational order of proteins on the gag and env gene specified precursor polypeptides. Bradac JA, et al. **Virology** 1986 Apr 30;150(2):503–8
Theiler's virus RNA and protein synthesis in the central nervous system of demyelinating mice. Cash E, et al. **Virology** 1985 Jul 15;144(1):290–4
Heat–inactivated frog virus 3 selectively inhibits equine herpesvirus type 1 translation in a temporal class–dependent manner. Chinchar VG, et al. **Virology** 1986 Jul 30;152(2):466–71
Relation between the levels of mRNA abundance and kinetics of protein synthesis in pseudorabies virus–infected cells. Deatly AM, et al. **Virology** 1985 Jun;143(2):558–68
Identification of nonstructural proteins encoded by viruses of the Bunyamwera serogroup (family Bunyaviridae). Elliott RM. **Virology** 1985 May;143(1):119–26
The relative translation efficiencies of reovirus messenger RNAs. Gaillard RK Jr, et al. **Virology** 1985 Dec; 147(2):336–48
Biosynthesis of reovirus–specified polypeptides: the reovirus s1 mRNA encodes two primary translation products. Jacobs BL, et al. **Virology** 1985 May;143(1):63–74
Studies on human parainfluenza virus 3: characterization of the structural proteins and in vitro synthesized proteins coded by mRNAs isolated from infected cells. Sánchez A, et al. **Virology** 1985 May;143(1):45–54
The genomes of attenuated and virulent poliovirus strains differ in their in vitro translation efficiencies. Svitkin YV, et al. **Virology** 1985 Dec;147(2):243–52
Evidence that AGUAUAUGA and CCAAGAUGA initiate translation in the same mRNA region E3 of adenovirus. Wold WS, et al. **Virology** 1986 Jan 15;148(1):168–80
Influence of base–pairing in the leader region on in vitro translation of Rous sarcoma virus RNA. Borchelt D, et al. **Virus Res** 1985 Sep;3(2):141–51
In vitro translation of the major capsid polypeptide from Ustilago maydis virus stain P1. Dalton RE, et al. **Virus Res** 1985 Sep;3(2):153–63
Additional methylation at the N(2)–position of the cap of 26S Semliki Forest virus late mRNA and initiation of translation. van Duijn LP, et al. **Virus Res** 1986 Jul; 5(1):61–6
[Translation in the wheat germ cell–free protein–synthesizing system of human rotavirus RNA] Li M, et al. **Wei Sheng Wu Hsueh Pao** 1985 Dec;25(4):324–8 (Eng. Abstr.) (Chi)
[In vitro translation of RNA from lizard epididymis and identification of poly A RNA coding for a major androgen–dependent protein] Courty Y, et al. **C R Acad Sci [III]** 1986;302(5):135–40 (Eng. Abstr.) (Fre)
[Complex balanced translation (letter)] Del Porto G, et al. **Minerva Ginecol** 1986 Jan–Feb;38(1–2):101–2 (Ita)
[Interrelation of translation regulation and amino acid uptake into cells] Iurkevich VV, et al. **Biol Nauki** 1985;(10):24–6 (Eng. Abstr.) (Rus)
[Synthesis and functional activity of initiation regions of mRNA translation. II. RNA–ligase synthesis of hepta– and decaribonucleotides—components of 20–base polyribonucleotide templates] Nikitina TT, et al. **Bioorg Khim** 1986 Apr;12(4):482–9 (Eng. Abstr.) (Rus)
[Primary structure of the alpha subunit of

Na+,K+-ATPase. II. Isolation, reverse transcription and cloning of messenger RNA] Petrukhin KE, et al. **Bioorg Khim** 1985 Dec;11(12):1607–13 (Eng. Abstr.) (Rus)

[Localization and properties of the gene product of bacterial alpha-amylase cloned in Saccharomyces cerevisiae] Kal'nov SL, et al. **Dokl Akad Nauk SSSR** 1985;285(2):480–3 (Rus)

[Ribosomal synthesis of homopolypeptides on the template encoding heteropolypeptides] Rutkevich NM, et al. **Dokl Akad Nauk SSSR** 1986 Mar–Apr;287(1):229–32 (Rus)

[Ribosomal proteins directly interacting with fMet-tRNAfMet in the 30S initiation complex] Broude NE, et al. **Mol Biol (Mosk)** 1985 Sep–Oct;19(5):1269–72 (Eng. Abstr.) (Rus)

DRUG EFFECTS

Host cell and virus strain differences in synthesis of immediate early polypeptides in HSV-1 infected cells. Matis J, et al. **Acta Virol (Praha)** 1985 Sep;29(5):353–61

Rapid effects of insulin on in vitro translational activity of specific mRNA in diabetic rat heart. Shanker R, et al. **Am J Physiol** 1986 May;250(5 Pt 1):E558–63

Protein synthesis by mammalian cells treated with C-3-modified analogs of the 12,13-epoxytrichothecenes T-2 and T-2 tetraol. Ehrlich KC, et al. **Appl Environ Microbiol** 1985 Oct;50(4):914–8

Ultraviolet light-induced crosslinking of two major phosphoproteins and poly(A)+RNA from free polyribosomes; changes in phosphorylation by inhibitors of transcription and translation. Schweiger A, et al. **Biochem Biophys Res Commun** 1986 Apr 14;136(1):356–61

Inhibition of protein synthesis enhances transformation of primary cells by viral DNA. Mak I, et al. **Biochem Cell Biol** 1986 Mar;64(3):256–63

Thyroxine increases neonatal mouse submandibular gland mRNA-directed synthesis of epidermal growth factor. Walker P. **Biochem Cell Biol** 1986 Apr;64(4):290–6

Translational control of insulin biosynthesis. Evidence for regulation of elongation, initiation and signal-recognition-particle-mediated translational arrest by glucose. Welsh M, et al. **Biochem J** 1986 Apr 15; 235(2):459–67

Epygid (2-ethyl-6-methyl-3-oxypyridine): a new agent for selective suppression of membrane-associated polypeptide chain translation in the brain. Kuznetsov DA, et al. **Biochem Pharmacol** 1986 May 15;35(10):1753–5

Effect of aflatoxin B1 on translation in isolated hepatocytes. Lyman BA, et al. **Biochem Pharmacol** 1985 Dec 1; 34(23):4184–6

Hybridization arrest of globin synthesis in rabbit reticulocyte lysates and cells by oligodeoxyribonucleoside methylphosphonates. Blake KR, et al. **Biochemistry** 1985 Oct 22;24(22):6139–45

Inhibition of rabbit globin mRNA translation by sequence-specific oligodeoxyribonucleotides. Blake KR, et al. **Biochemistry** 1985 Oct 22;24(22):6132–8

Generalized inhibition of cell-free translation by the amino-terminal propeptide of chick type I procollagen. Goldenberg R, et al. **Biochim Biophys Acta** 1985 Nov 13; 826(2–3):101–7

Oligodeoxynucleotides covalently linked to intercalating agents: a new class of gene regulatory substances. Hélène C, et al. **Biochimie** 1985 Jul–Aug;67(7–8):777–83

Control of ribonucleic acid function by oligonucleoside methylphosphonates. Miller PS, et al. **Biochimie** 1985 Jul–Aug;67(7–8):769–76

Synthesis of specific brain proteins is influenced by testosterone at mRNA level in the neonatal rat. Stanley HF, et al. **Brain Res** 1986 Apr 9;370(2):223–31

Translatability of rat kidney mRNA after mercury administration. Samji S, et al. **Can J Biochem Cell Biol** 1985 Sep;63(9):913–8

Changes in poly (A) + RNA translational pattern during chemically induced hepatocarcinogenesis. Raymondjean M, et al. **Carcinogenesis** 1985 Dec;6(12):1797–803

Amiloride inhibits protein synthesis and lowers the intracellular pH in exponential growing Yoshida rat ascites hepatoma (AH 130) cells: evidence for a role of the Na+/H+ exchanger. Comolli R, et al. **Cell Biol Int Rep** 1985 Nov;9(11):1017–25

A molecular basis for bleomycin-induced pulmonary fibrosis. Cutroneo KR, et al. **Chest** 1986 Mar;89(3 Suppl):121S–122S

Translation of muscle mRNA in rats following acute exposure to Pb2+ or Cd2+. Nicholls DM, et al. **Comp Biochem Physiol [C]** 1986;83(2):365–70

Effect of polyamines on translation fidelity in vivo. McMurry LM, et al. **Eur J Biochem** 1986 Mar 3;155(2):383–90

Translational regulation of ornithine decarboxylase by polyamines. Persson L, et al. **FEBS Lett** 1986 Sep 15; 205(2):175–8

Effect of streptomycin on the stoichiometry of GTP hydrolysis in a poly(U)-dependent cell-free translation system. Smailov SK, et al. **FEBS Lett** 1985 Nov 11; 192(1):165–9

Effect of ethionine on the in vitro synthesis and degradation of mitochondrial translation products in yeast. Téllez R, et al. **FEBS Lett** 1985 Nov 11;192(1):88–94

Specific inhibition of mitochondrial protein synthesis influences the amount of complex I in mitochondria of rat liver and Neurospora crassa directly. van den Bogert C, et al. **FEBS Lett** 1985 Nov 18;192(2):225–9

Interleukin 2 induces synthesis of polypeptides in an interleukin 2-dependent cell line by transcription and translation. Yoshie O, et al. **Immunol Lett** 1985; 11(5–6):325–30

Inhibition of protein synthesis by (aminooxy)acetate in rat liver. Girbes T, et al. **Int J Biochem** 1986;18(6):537–42

N1-monoacetylation abolishes the inhibitory effect of spermine and spermidine in the reticulocyte lysate translation system. Mezl VA, et al. **Int J Biochem** 1986; 18(8):705–11

Molecular mechanism of action of virginiamycin-like antibiotics (synergimycins) on protein synthesis in bacterial cell-free systems. Cocito C, et al. **J Antimicrob Chemother** 1985 Jul;16 Suppl A:35–52

Translation initiation of bacteriophage lambda gene cII requires integration host factor. Mahajna J, et al. **J Bacteriol** 1986 Jan;165(1):167–74

Induction of ornithine decarboxylase by 12-O-tetradecanoylphorbol 13-acetate in hamster fibroblasts. Relationship between levels of enzyme activity, immunoreactive protein, and RNA during the induction process. Gilmour SK, et al. **J Biol Chem** 1985 Dec 25; 260(30):16439–44

Fluorescence studies on a streptomycin-induced conformational change in ribosomes which correlates with misreading. Hanas JS, et al. **J Biol Chem** 1986 May 25; 261(15):6670–6

Control of ornithine decarboxylase in Chinese hamster ovary cells by polyamines. Translational inhibition of synthesis and acceleration of degradation of the enzyme by putrescine, spermidine, and spermine. Hölttä E, et al. **J Biol Chem** 1986 Jul 15;261(20):9502–8

Translational regulation of mammalian ornithine decarboxylase by polyamines. Kahana C, et al. **J Biol Chem** 1985 Dec 15;260(29):15390–3

Partial purification and characterization of phorbol ester-regulated translational inhibitor(s) in human HL-60 leukemic cells. Konno S, et al. **J Biol Chem** 1986 Apr 15; 261(11):5010–7

Isolation of genes active during hormone-induced morphogenesis in Drosophila imaginal discs. Natzle JE, et al. **J Biol Chem** 1986 Apr 25;261(12):5575–83

Purification and characterization of a protein synthesis inhibitor associated with vaccinia virus. Person-Fernandez A, et al. **J Biol Chem** 1986 Jun 25;261(18):8283–9

Glucose induces intracisternal type A retroviral gene transcription and translation in pancreatic beta cells. Leiter EH, et al. **J Exp Med** 1986 Jan 1;163(1):87–100

Characterization of a translational inhibitor isolated from rabbit brain following intravenous administration of d-lysergic acid diethylamide. Fleming SW, et al. **J Neurochem** 1986 May;46(5):1436–43

The effect of nifedipine on protein synthesis and surface morphology of peripheral blood cells. Zahavi I, et al. **Nouv Rev Fr Hematol** 1986;28(1):3–6

Both subunits of rat liver ferritin are regulated at a translational level by iron induction. Aziz N, et al. **Nucleic Acids Res** 1986 Jan 24;14(2):915–27

Formation of a translational inhibitor by interaction of phospholipid with the eukaryotic initiation factor 2. de Haro C, et al. **Proc Natl Acad Sci USA** 1986 Sep; 83(18):6711–5

Chloramphenicol induces translation of the mRNA for a chloramphenicol-resistance gene in Bacillus subtilis. Duvall EJ, et al. **Proc Natl Acad Sci USA** 1986 Jun;83(11):3939–43

Methyl mercury-induced combined inhibition of ATP regeneration and protein synthesis in reticulocyte lysate cell-free translation system. Kuznetsov DA, et al. **Toxicol Lett** 1986 Mar;30(3):267–71

Effect of tunicamycin on the development of the cytopathic effect in Sindbis virus-infected avian fibroblasts. Ulug ET, et al. **Virology** 1985 Jun;143(2):546–57

[Structural characteristics of DNA from the rat liver during inhibition of protein synthesis with cycloheximide] Fonarev AB, et al. **Biokhimiia** 1985 Jul;50(7):1162–6 (Eng. Abstr.) (Rus)

RADIATION EFFECTS

RNA and protein synthesis of irradiated Ehrlich ascites tumour cells. II. Amount of m-RNA and in vitro investigations. Skog S, et al. **Acta Radiol [Oncol]** 1985 Nov–Dec;24(6):549–53

TRANSLATIONS

Automated translation of German to English medical text. Moore GW, et al. **Am J Med** 1986 Jul;81(1):103–11

An analyst looks at languages, cultures, and translations. Clemmens ER. **Am J Psychoanal** 1985 Winter;45(4):310–26

A health profile for use in Spain [letter] Antó JM, et al. **Am J Public Health** 1986 Jun;76(6):711

Whether blood is contained in the arteries of the living animal by Galen of Pergamon: a translation. Goss CM, et al. **Anat Rec** 1985 Sep;213(1):1–6

The development and standardization of a Spanish version of the Washington Psychosocial Seizure Inventory. Tiberia VA, et al. **Epilepsia** 1986 Jan–Feb;27(1):51–4

Traduttore, traditore [letter] **JAMA** 1986 May 16; 255(19):2600–2

[Arabic medicinal measurements and weights in Latin translations of Arabic medical literature] Fellmann I. **Sudhoffs Arch** 1985;69(2):228–31 (Ger)

TRANSLOCATION (GENETICS)

Balanced terminal chromosome translocations develop in EBV-derived, but non-immortal cell lines from patients with mycosis fungoides. Kaltoft K, et al. **Acta Derm Venereol [Suppl] (Stockh)** 1985;120:60–4

A new chromosome translocation (3;21) in M2 acute lymphocytic leukemia. Caimo A, et al. **Acta Haematol (Basel)** 1986;75(1):23–5

Chronic myeloid leukemia with an unusual simple variant translocation: t(22;22)(q13;q11). Gyger M, et al. **Acta Haematol (Basel)** 1985;73(4):193–5

Variant translocation t(7;922) during lymphoid blastic crisis in a case of Ph1-positive chronic myelogenous leukemia with previous EBV infection. Mecucci C, et al. **Acta Haematol (Basel)** 1986;75(1):46–8

Translocation of the chloramphenicol-resistance determinant in Staphylococcus aureus. Młynarczyk A, et al. **Acta Microbiol Pol** 1986;35(1–2):49–56

Coincidence of paternal 13pYq translocation and maternal increased 13p NOR activity in a child with arthrogryposis and other malformations. Bajnóczky K, et al. **Acta Paediatr Hung** 1985;26(2):151–6

A Japanese Burkitt's lymphoma with t(2;8) and EBNA. Ishikura H, et al. **Acta Pathol Jpn** 1986 Jan;36(1):133–42

Molecular genetics of human B cell neoplasia. Croce CM, et al. **Adv Immunol** 1986;38:245–74 (51 ref.)

Acute lymphoblastic leukemia of Burkitt's type (L3 ALL) with 8;22 and 14;18 translocations and absent surface immunoglobulins. Gluck WL, et al. **Am J Clin Pathol** 1986 May;85(5):636–40

Unbalanced 1;7 translocation and therapy-induced hematologic disorders: a possible relationship. Morrison-DeLap SJ, et al. **Am J Hematol** 1986 Jan; 21(1):39–47

Cytogenetics of human sperm: meiotic segregation in two translocation carriers. Brandriff B, et al. **Am J Hum Genet** 1986 Feb;38(2):197–208

Analysis of meiotic segregation in a man heterozygous for two reciprocal translocations using the hamster in vitro penetration system. Burns JP, et al. **Am J Hum Genet** 1986 Jun;38(6):954–64

T-lymphocytes with 7;14 translocations: frequency of occurrence, breakpoints, and clinical and biological significance. Dewald GW, et al. **Am J Hum Genet** 1986 Apr;38(4):520–32

A family with Huntington disease and reciprocal translocation 4;5. Froster-Iskenius UG, et al. **Am J Hum Genet** 1986 May;38(5):759–67

Fine mapping of the distal short arm of the human X chromosome using X/Y translocations. Geller RL, et al. **Am J Hum Genet** 1986 Jun;38(6):884–90

Exclusion of human chromosome 13q34 as the site of the cystic fibrosis mutation. Scambler PJ, et al. **Am J Hum Genet** 1986 Apr;38(4):567–72

A de novo translocation, 14q21q, with a microchromosome-14p21p. Abeliovich D, et al. **Am J Med Genet** 1985 Sep;22(1):29–33

Segregation patterns and phenotypes of unbalanced offspring in a large family with (10;18) chromosome translocation. Bernstein R, et al. **Am J Med Genet** 1985 Dec;22(4):727–42

Role of chromosome aberrations in recurrent abortion: a study of 269 balanced translocations. Campana M, et al. **Am J Med Genet** 1986 Jun;24(2):341–56

A computer model for the study of segregation in reciprocal translocation carriers: application to 20 new cases. De Arce MA, et al. **Am J Med Genet** 1986 Jul;24(3):519–25

Trisomy 14 mosaicism with t(14;15)(q11;p11) in offspring of a balanced translocation carrier mother. Fujimoto A, et al. **Am J Med Genet** 1985 Oct;22(2):333–42

Recurrence risk in de novo 21q21q translocation Down syndrome [letter] Hall BD. **Am J Med Genet** 1985 Oct; 22(2):417–8

A balanced de novo X/autosome translocation in a girl with manifestations of Lowe syndrome. Hodgson SV, et al. **Am J Med Genet** 1986 Mar;23(3):837–47

Duplication (12q) syndrome in female cousins, resulting from maternal (11;12) (p15.5;q24.2) translocations. McCorquodale MM, et al. **Am J Med Genet** 1986 Aug; 24(4):613–22

A rodent-human hybrid containing Xq24-qter translocated to a hamster chromosome expresses the Xq27 folate-sensitive fragile site. Nussbaum RL, et al. **Am J Med Genet** 1986 Jan–Feb;23(1–2):457–66

Significance of acquired nonrandom 7/14 translocations. Reddy KS, et al. **Am J Med Genet** 1985 Oct;22(2):305–10

A further case of cyclopia due to unbalanced segregation of a previously reported rcp(1;7)(q32;q34) familial translocation [letter] Schinzel A. **Am J Med Genet** 1986 May;24(1):205–6

Cyclopia as a result of an unbalanced familial translocation, rcp(7;18)(q34;q21). Smart RD, et al. **Am J Med Genet** 1986 Jun;24(2):269–72

Complex chromosomal rearrangement involving chromosomes 11, 13, 14 and 18 resulting in monosomy for 13q32——qter. Al-Awadi SA, et al. **Ann Genet (Paris)** 1985;28(3):181–4

Double independent balanced translocation in a girl with mild phenotypical stigmata. D'Avanzo MG, et al. **Ann Genet (Paris)** 1986;29(1):62–4

Duplication 11 (q22——qter) in an infant. A case report with review. Greig F, et al. **Ann Genet (Paris)** 1985;28(3):185–8
Interstitial deletion 1p as a result of a de novo reciprocal 1p;2p translocation. Hertz JM, et al. **Ann Genet (Paris)** 1985;28(4):228–30
Translocation (X;13)(p11.21;q12.3) in a girl with incontinentia pigmenti and bilateral retinoblastoma. Kajii T, et al. **Ann Genet (Paris)** 1985;28(4):219–23
Aberrations of the synaptonemal complexes in a male 46,XY,–14,+der(14)t(Y;14). Ratomponirina C, et al. **Ann Genet (Paris)** 1985;28(4):214–8
Chiasma derived genetic lengths and recombination fractions: a 46, XY, t(9; 10) (p22; q24) reciprocal translocation. Laurie DA, et al. **Ann Hum Genet** 1985 May;49 (Pt 2):135–46
Ecological analysis of field trials conducted to assess the potential of sex-linked translocation strains for genetic control of the Australian sheep blowfly, Lucilia cuprina (Wiedemann). Vogt WG, et al. **Aust J Biol Sci** 1985; 38(3):259–73
t(1;3)(p36;q21) in acute nonlymphocytic leukemia: a new cytogenetic–clinicopathologic association. Bloomfield CD, et al. **Blood** 1985 Dec;66(6):1409–13
Clonal rearrangement and expression of the T cell receptor beta gene and involvement of the breakpoint cluster region in blast crisis of CGL. Chan LC, et al. **Blood** 1986 Feb; 67(2):533–6
A new translocation, t(10;14)(q24;q11), in T cell neoplasia. Dubé ID, et al. **Blood** 1986 Apr;67(4):1181–4
t(1;3)(p36;q21) in acute nonlymphocytic leukemia: a new clinicopathologic association [letter] Gyger M. **Blood** 1986 Jul;68(1):320–2
Clinical and laboratory characteristics of acute leukemia with the 4;11 translocation. Mirro J, et al. **Blood** 1986 Mar; 67(3):689–97
Association of the translocation (15;17) with malignant proliferation of promyelocytes in acute leukemia and chronic myelogenous leukemia at blastic crisis. Misawa S, et al. **Blood** 1986 Feb;67(2):270–4
Nonrandom involvement of the 12p12 breakpoint in chromosome abnormalities of childhood acute lymphoblastic leukemia. Raimondi SC, et al. **Blood** 1986 Jul;68(1):69–75
Chromosomal translocations play a unique role in influencing prognosis in childhood acute lymphoblastic leukemia. Williams DL, et al. **Blood** 1986 Jul;68(1):205–12
(11; 14) translocation in three boys with acute lymphoblastic leukemia of T-cell immunophenotype. Harbott J, et al. **Hum Genet** 1986 Jan;52(1):45–50
An identical translocation between chromosome 1 and 15 in two patients with myelodysplastic syndromes. Mecucci C, et al. **Br J Haematol** 1986 Mar;62(3):439–45
The (4;11) translocation in acute leukaemia of childhood: the importance of additional chromosomal aberrations. Secker-Walker LM, et al. **Br J Haematol** 1985 Sep; 61(1):101–11
Immunoglobulin chain gene rearrangements in a t(4;11) acute leukaemia with monocytoid blasts. Srivastava BI, et al. **Br J Haematol** 1986 Jun;63(2):321–9
Primary vitreoretinal dysplasia resembling Norrie's disease in a female: association with X autosome chromosomal translocation. Ohba N, et al. **Br J Ophthalmol** 1986 Jan; 70(1):64–71
Myeloblastoma with an 8;21 chromosome translocation in acute myeloblastic leukemia. Abe R, et al. **Cancer** 1986 Sep 15;58(6):1260–4
Characterization of a new human lymphoma cell line (RC–K8) with t(11;14) chromosome abnormality. Kubonishi I, et al. **Cancer** 1986 Oct 1;58(7):1453–60
8;14 chromosome translocation in a negative bone marrow aspirate from a patient with Burkitt's lymphoma. Richardson LA, et al. **Cancer** 1986 Feb 15;57(4):761–3
Leukemia of early infancy. Early B-cell lineage associated with t(4;11). Stark B, et al. **Cancer** 1986 Sep 15; 58(6):1265–71
Promyelocytic crisis of chronic myelogenous leukemia without t(15;17). Abe R, et al. **Cancer Genet Cytogenet** 1986 Mar 15;21(2):175–9
Acute nonlymphocytic leukemia with a translocation (1;3)(p36;q21) in an XYY man. Atichartakarn V, et al. **Cancer Genet Cytogenet** 1986 Mar 1;21(1):79–83
Lack of reciprocal translocations in carcinomas. Atkin NB. **Cancer Genet Cytogenet** 1986 Apr 1;21(3):275–8 (27 ref.)
Complex translocation t(3;9;22) and paracentric inversion of chromosome 3 in blastic crisis of chronic myeloid leukemia. Barbata G, et al. **Cancer Genet Cytogenet** 1986 Feb 15; 20(3–4):305–9
Ph-positive CML in a family with a constitutional Robertsonian translocation 14;15. Becher R, et al. **Cancer Genet Cytogenet** 1985 Nov;18(3):229–34
Persistence of t(4;11) in cytologically normal bone marrow treated ex vivo with Asta-Z. Bertheas MF, et al. **Cancer Genet Cytogenet** 1986 Feb 1;20(1–2):163–5
Reciprocal translocation, t(11;17)(q23–25;q21), in a patient with an immature ALL. Beverstock GC, et al. **Cancer Genet Cytogenet** 1986 May;22(1):83–7
Acute myelomonocytic leukemia type M4 with bone marrow eosinophilia and t(5;16)(q33;q22) [letter] Bhambhani K, et al. **Cancer Genet Cytogenet** 1986 Feb 1;20(1–2):187–8
Acute eosinophilic leukemia with a translocation (10p+;11q-). Broustet A, et al. **Cancer Genet Cytogenet** 1986 Apr 15;21(4):327–33
Translocation t(1;3)(p36;q21) in malignant myeloid stem cell disorders. Cambrin GR, et al. **Cancer Genet Cytogenet** 1986 May;22(1):75–81
Translocation (6;9)(p23;q34) in acute nonlymphocytic leukemia: three new cases. Carroll AJ, et al. **Cancer Genet Cytogenet** 1985 Dec;18(4):303–6
A possible case of chronic leukoerythroblastosis associated with t(12;14)(p13;q22) in bone marrow cells. Couzin DA, et al. **Cancer Genet Cytogenet** 1986 Jul;22(3):253–6
4;11 translocation–associated acute leukemia: a comprehensive analysis. De Braekeleer M, et al. **Cancer Genet Cytogenet** 1986 Mar 1;21(1):53–66
The occurrence of the 15;17 translocation in acute promyelocytic leukemia. De Braekeleer M, et al. **Cancer Genet Cytogenet** 1986 Jan 15;19(3–4):311–9
Cytogenetics of a renal adenocarcinoma in a 2-year-old child. de Jong B, et al. **Cancer Genet Cytogenet** 1986 Mar 15;21(2):165–9
Translocation breakpoint mapping: molecular and cytogenetic studies of chromosome 22. Emanuel BS, et al. **Cancer Genet Cytogenet** 1986 Jan 1;19(1–2):81–92
Translocation t(14;22)(q32;q11): a special variant of the Philadelphia chromosome? Ferro MT, et al. **Cancer Genet Cytogenet** 1986 Feb 1;20(1–2):167–70
Translocation (19;?) in two stage II neuroblastomas. Franke F, et al. **Cancer Genet Cytogenet** 1986 Feb 1;20(1–2):129–35
Translocation t(3;3)(q21;q26) and thrombocytosis [letter] Gascoyne RD, et al. **Cancer Genet Cytogenet** 1986 Aug; 22(4):365
Simultaneous presence of translocations t(14;18) and t(2;8) in a case of chronic lymphocytic leukemia. Geisler C, et al. **Cancer Genet Cytogenet** 1986 May;22(1):35–44
A complex translocation in a 5-year-old boy with acute myeloblastic leukemia. Harbott J, et al. **Cancer Genet Cytogenet** 1986 Jan 15;19(3–4):199–204
High resolution banding analysis of the reciprocal translocation t(6;9) in acute nonlymphocytic leukemia. Heim S, et al. **Cancer Genet Cytogenet** 1986 Jul; 22(3):195–201
Variant Ph translocations in chronic myeloid leukemia. Heim S, et al. **Cancer Genet Cytogenet** 1985 Nov;18(3):215–27
Two apparent Philadelphia chromosomes arising from translocations with different chromosomes in a patient with CML: 46,XY,t(7;22)(p22;q11),t(9;22)(q34;q11). Holden JJ, et al. **Cancer Genet Cytogenet** 1986 Apr 15;21(4):297–302
Involvement of eosinophils in leukemia: cytogenetic study of eosinophilic colonies from acute myelogenous leukemia associated with translocation (8;21). Ishibashi T, et al. **Cancer Genet Cytogenet** 1986 Jul;22(3):189–94
Translocation t(7;11)(p13;p15) in acute nonlymphocytic leukemia. Ishihara T, et al. **Cancer Genet Cytogenet** 1986 Jan 15;19(3–4):363–4
RCH–ACV: a lymphoblastic leukemia cell line with chromosome translocation 1;19 and trisomy 8. Jack I, et al. **Cancer Genet Cytogenet** 1986 Jan 15;19(3–4):261–9
t(Y;18) in acute myeloblastic leukemia FAB type M2. Jani Sait SN, et al. **Cancer Genet Cytogenet** 1986 Aug; 22(4):367–8
Translocation (1;17) in accelerating and blast phases of chronic myelogenous leukemia. Kerman SL, et al. **Cancer Genet Cytogenet** 1986 Feb 15;20(3–4):269–77
Translocations that highlight chromosomal regions of differentiated activity. Kirsch IR, et al. **Cancer Genet Cytogenet** 1985 Oct;18(2):159–71
Constitutional t(15;17): clarification of the chromosomal breakpoints [letter] Le Beau MM, et al. **Cancer Genet Cytogenet** 1986 Feb 1;20(1–2):175–7
Translocation (13;22) in a hemangiopericytoma. Limon J, et al. **Cancer Genet Cytogenet** 1986 Apr 15;21(4):309–18
Recurrent chromosome translocations in liposarcoma. Limon J, et al. **Cancer Genet Cytogenet** 1986 May;22(1):93–4
Translocations involving the X chromosome in solid tumors: presentation of two sarcomas with t(X;18)(q13;p11). Limon J, et al. **Cancer Genet Cytogenet** 1986 Sep;23(1):87–91
A new translocation in chronic myeloid leukemia—t(4;9;22)—resulting in a masked Philadelphia chromosome. London B, et al. **Cancer Genet Cytogenet** 1986 Feb 1;20(1–2):5–9
Two cases of acute myeloblastic leukemia (M2 type) with karyotypes 45X,–X,t(6;8)(q27;q22),inv(9) and 46,XY,t(8;21)(q22;q22),del(9)(q22). Mamaev N, et al. **Cancer Genet Cytogenet** 1985 Oct;18(2):105–11
Alternative involvement of two cytogenetically distinguishable breakpoints on chromosome 8 in Burkitt's lymphoma associated translocations. Manolov G, et al. **Cancer Genet Cytogenet** 1986 Feb 1;20(1–2):95–9
Combined trisomy 1q and monosomy 7q due to translocation 1;7 in myelodysplastic syndromes. Mecucci C, et al. **Cancer Genet Cytogenet** 1985 Nov;18(3):193–7
Translocation (4;11) in acute myelogenous leukemia. Meyers L, et al. **Cancer Genet Cytogenet** 1986 Jun;22(2):143–8
High resolution chromosome analysis of constitutional and acquired t(15;17) maps c-erbA to subband 17q11.2. Mitelman F, et al. **Cancer Genet Cytogenet** 1986 Jun; 22(2):95–8
A case of rhabdomyosarcoma of the bladder with a (2;5) chromosomal translocation in peripheral lymphocytes. Moriyama M, et al. **Cancer Genet Cytogenet** 1986 Jun; 22(2):177–81
The most common chromosome change in 86 chronic B cell or T cell tumors: a 14q32 translocation. Nowell PC, et al. **Cancer Genet Cytogenet** 1986 Jan 15;19(3–4):219–27
14q+ in Ph-positive chronic myelogenous leukemia. Ohyashiki K, et al. **Cancer Genet Cytogenet** 1986 Jul; 22(3):257–63
Involvement of chromosomes 4, 11, and 17 in a case of myelodysplastic syndrome. Ohyashiki K, et al. **Cancer Genet Cytogenet** 1985 Nov;18(3):265–73
Translocation between chromosomes 1 and 9 in childhood acute lymphoblastic leukemia. Ohyashiki K, et al. **Cancer Genet Cytogenet** 1986 Mar 1;21(1):5–10
Cytogenetic and phenotypic evolution in a case of acute promyelocytic leukemia [letter] Paietta E, et al. **Cancer Genet Cytogenet** 1986 Mar 15;21(2):181–2
Atypical promyelocytic leukemia (M3) with immature primary granules and t(15;17). Parreira L, et al. **Cancer Genet Cytogenet** 1985 Dec;18(4):315–24
Translocation t(3;5) in acute myelocytic leukemia type M2 [letter] Pi D, et al. **Cancer Genet Cytogenet** 1986 Feb 1; 20(1–2):171
Cytogenetic pattern in leukemic cells of patients with constitutional chromosome anomalies. Rochon M, et al. **Cancer Genet Cytogenet** 1986 Apr 15;21(4):365–8
A translocation between chromosomes 8 and 14 in a Japanese patient with adult T-cell leukemia [letter] Sadamori N, et al. **Cancer Genet Cytogenet** 1986 Feb 1;20(1–2):179–80
Clonal abnormalities in patients with Waldenström's macroglobulinemia with special reference to a Burkitt-type t(8;14). San Román C, et al. **Cancer Genet Cytogenet** 1985 Oct;18(2):155–8
Translocation (1;7)(p11;p11): a new myeloproliferative hematologic entity. Sandberg AA, et al. **Cancer Genet Cytogenet** 1985 Nov;18(3):199–206
Specific translocation t(1;3) in acute myelomonocytic leukemia: a further case. Scheres JM, et al. **Cancer Genet Cytogenet** 1986 May;22(1):69–73
Translocation 1;7 in hematologic disorders: a brief review of 22 cases. Scheres JM, et al. **Cancer Genet Cytogenet** 1985 Nov;18(3):207–13
Possible involvement of unstable sites on chromosomes 7 and 14 in human cancer. Scheres JM, et al. **Cancer Genet Cytogenet** 1986 Jan 1;19(1–2):151–8
Acute promyelocytic leukemia: report of a variant translocation, t(1;17). Schwartz JG, et al. **Cancer Genet Cytogenet** 1986 Feb 1;20(1–2):89–93
Acute myelogenous leukemia with translocation t(8;21): a cytogenetic study of seven cases. Sessarego M, et al. **Cancer Genet Cytogenet** 1986 Feb 15;20(3–4):363–8
Translocation (2;3) in hematologic malignancies. Slavutsky I, et al. **Cancer Genet Cytogenet** 1986 Apr 15;21(4):335–42
Translocation 1;7 in preleukemic states. Smadja N, et al. **Cancer Genet Cytogenet** 1985 Nov;18(3):189–92
Translocation t(3;5) and acute nonlymphocytic leukemia [letter] Smadja N, et al. **Cancer Genet Cytogenet** 1986 Feb 1;20(1–2):173–4
Ph-negative chronic myelocytic leukemia with a complex translocation involving chromosomes 7 and 11. Takeda T, et al. **Cancer Genet Cytogenet** 1986 Mar 15;21(2):123–7
Philadelphia chromosome-positive chronic myelocytic leukemia with a supplementary t(4;9)(q21;p22) and long survival. Tharapel SA, et al. **Cancer Genet Cytogenet** 1986 Mar 15;21(2):159–64
Translocation X;18 in synovial sarcoma [letter] Turc-Carel C, et al. **Cancer Genet Cytogenet** 1986 Sep;23(1):93
Consistent chromosomal translocation in alveolar rhabdomyosarcoma. Turc-Carel C, et al. **Cancer Genet Cytogenet** 1986 Jan 15;19(3–4):361–2
Translocation t(3;20) associated with thrombocythemia in Ph-positive CML. Turchini MF, et al. **Cancer Genet Cytogenet** 1986 Feb 1;20(1–2):1–4
Expression of the human immunoglobulin heavy chain gene of the 14q+ chromosome in a t(8;14)-positive Burkitt lymphoma cell line demonstrated in somatic cell hybrids. Versnel MA, et al. **Cancer Genet Cytogenet** 1986 Jan 15; 19(3–4):321–30
A neuroendocrine tumor of the small intestine with a karyotype of 46,XY,t(11;22). Vigfusson NV, et al. **Cancer Genet Cytogenet** 1986 Jul;22(3):211–8
Three cases of preleukemic myelodysplastic disorders with the same translocation t(1;3). Viguie F, et al. **Cancer Genet Cytogenet** 1986 Jan 15;19(3–4):213–8
Cytogenetic characterization of selected small round cell tumors of childhood. Whang-Peng J, et al. **Cancer Genet Cytogenet** 1986 Apr 1;21(3):185–208
A new complex translocation in chronic myelogenous leukemia with monoblastic crisis. Yao E, et al. **Cancer Genet Cytogenet** 1986 Jan 15;19(3–4):357–9
Rearrangement of chromosome 3 in renal cell carcinoma. Yoshida MA, et al. **Cancer Genet Cytogenet** 1986 Jan 15; 19(3–4):351–4
Mapping of transforming growth factor alpha gene on human chromosome 2 close to the breakpoint of the Burkitt's lymphoma t(2;8) variant translocation. Brissenden JE, et al. **Cancer Res** 1985 Nov;45(11 Pt 2):5593–7
A t(1;19) chromosome translocation in three cases of human malignant melanoma. Parmiter AH, et al. **Cancer Res** 1986 Mar;46(3):1526–9
Male pachytene pairing in single and double translocation heterozygotes and spermatogenic impairment in the mouse. de Boer P, et al. **Chromosoma** 1986;93(4):326–36
The synaptonemal complexes of Caenorhabditis elegans: the dominant him mutant mnT6 and pachytene karyotype analysis of the X–autosome translocation. Goldstein P. **Chromosoma** 1986;93(3):256–60
Pericentromeric heterochromatin and A–T contents during

Robertsonian fusion in the house mouse. Redi CA, et al. **Chromosoma** 1986;94(1):31–5

Evidence for preferential involvement of chromosome bands 6p21 and 13q14 in amniotic fluid cell balanced translocation pseudomosaicism. Benn PA, et al. **Clin Genet** 1986 Feb; 29(2):116–21

Cytogenetic heterogeneity of translocations associated with Duchenne muscular dystrophy. Boyd Y, et al. **Clin Genet** 1986 Feb;29(2):108–15

An unusual case of X–15 translocation: evidence for the presence of an 'activator' region on Xpter of man. Crocker M, et al. **Clin Genet** 1985 Dec;28(6):556–60

Partial trisomy 6p and partial monosomy 9p from a de novo translocation 46,XY, –9, +DER(9)T(6:9)(p211:p24). Eden MS, et al. **Clin Genet** 1985 Nov;28(5):375–84

Maternal autosomal translocation t(5;18)(q12;q11) and Edward's syndrome in the fetus [letter] Fryns JP. **Clin Genet** 1985 Nov;28(5):397

Pseudoisodicentric bisatellited extra marker chromosome (tetrasomy 22pter——q11, trisomy Yqh), derived from a maternal Y/22 translocation. Association between this tetrasomy and "cat eye" phenotypical features.Gabarrón J, et al. **Clin Genet** 1985 Dec;28(6):509–15

Xp21/autosome translocations. Case report and risk for Duchenne muscular dystrophy. Holden JJ, et al. **Clin Genet** 1986 Jun;29(6):516–22

Familial transmission of a non–Robertsonian translocation dicentric. Howard PJ, et al. **Clin Genet** 1986 Mar; 29(3):246–50

Homozygosity for a Y/22 chromosome translocation: t(Y;22)(q12;p12/13). Leschot NJ, et al. **Clin Genet** 1986 Mar; 29(3):251–7

Congenital heart disease in supernumerary der(22),t(11;22) syndrome. Lin AE, et al. **Clin Genet** 1986 Apr;29(4):269–75

Whole–arm t(X;17) (Xp17q;Xq17p) and gonadal dysgenesis. A further exception to the critical region hypothesis. Rivera H, et al. **Clin Genet** 1986 May;29(5):425–8

Arthrogryposis and 46,XY,t(1;16) chromosome constitution [letter] Serville F, et al. **Clin Genet** 1986 May;29(5):453–5

A de novo translocation in a family with a balanced reciprocal chromosomal translocation. Short MP, et al. **Clin Genet** 1986 Feb;29(2):143–6

In situ hybridization and translocation breakpoint mapping. III. DiGeorge syndrome with partial monosomy of chromosome 22. Cannizzaro LA, et al. **Cytogenet Cell Genet** 1985;39(3):179–83

In situ hybridization and translocation breakpoint mapping. II. Two unusual t(21;22) translocations. Cannizzaro LA, et al. **Cytogenet Cell Genet** 1985;39(3):173–8

A human 9;20 reciprocal translocation associated with male infertility analyzed at prophase and metaphase I of meiosis. Chandley AC, et al. **Cytogenet Cell Genet** 1986;41(3):145–53

Phenotypic heterogeneity in three cases of lymphoid malignancy with chromosomal translocations in 14q11. Dubé ID, et al. **Cytogenet Cell Genet** 1986;41(4):215–8

Breakage on chromosome 2 brings the Ck gene to a region 3' of c–myc in a Burkitt's lymphoma line carrying a (2;8) translocation. Malcolm S, et al. **Cytogenet Cell Genet** 1985; 39(3):168–72

Familial reciprocal translocation t(1;4)(q31;p15) traced through five generations. Martín–Lucas MA, et al. **Cytogenet Cell Genet** 1985;39(3):237

Analysis of translocations observed in three different populations. II. Robertsonian translocations. Schwartz S, et al. **Cytogenet Cell Genet** 1986;42(1–2):53–6

Analysis of translocations observed in three different populations. I. Reciprocal translocations. Schwartz S, et al. **Cytogenet Cell Genet** 1986;42(1–2):42–52

Evidence from somatic cells for crossing–over in humans. Sparkes RS, et al. **Cytogenet Cell Genet** 1986;41(4):250–2

Deletion of the centromere as a mechanism for achieving stability of a dicentric chromosome. Vianna–Morgante AM, et al. **Cytogenet Cell Genet** 1986;42(3):119–22

Mapping of the c–myc, pvt–1 and immunoglobulin kappa genes in relation to the mouse plasmacytoma–associated variant (6;15) translocation breakpoint. Banerjee M, et al. **EMBO J** 1985 Dec 1;4(12):3183–8

Translocation of c–myc into the immunoglobulin heavy–chain locus in human acute B–cell leukemia. A molecular analysis. Carè A, et al. **EMBO J** 1986 May; 5(5):905–11

Chromatin structure of the murine c–myc locus: implications for the regulation of normal and chromosomally translocated genes. Fahrlander PD, et al. **EMBO J** 1985 Dec 1;4(12):3195–202

Molecular cloning of a DNA fragment from human chromosome 14(14q11) involved in T–cell malignancies. Mathieu–Mahul D, et al. **EMBO J** 1985 Dec 16; 4(13A):3427–33

Reinitiation of translocation in the Semliki Forest virus structural polyprotein: identification of the signal for the E1 glycoprotein. Melancon P, et al. **EMBO J** 1986 Jul; 5(7):1551–60

Preferential transmission in wild common shrews (Sorex araneus), heterozygous for Robertsonian rearrangements. Searle JB. **Genet Res** 1986 Apr;47(2):147–8

Trisomy for the short arm of chromosome 10. Report of a new case resulting from segregation of a maternal balanced translocation t(10qter——q11::14p11——qter). Delaroche I, et al. **Helv Paediatr Acta** 1984 May; 39(2):161–6

New data on clonal anomalies of chromosome 14 in ataxia telangiectasia: tct(14;14) and inv(14). Aurias A, et al. **Hum Genet** 1986 Jan;72(1):22–4

A possible new type of chromosome rearrangement: telomere–centromere translocation (tct) followed by double duplication. Aurias A, et al. **Hum Genet** 1986 Jan;72(1):25–6

Partial trisomy 2q+ as a result of a balanced translocation (1;2)(q43;q33). Barjaktarović N, et al. **Hum Genet** 1985; 71(3):273

A subpopulation of t(2;14)(p11;q32) cells in ataxia telangiectasia B lymphocytes. Butterworth SV, et al. **Hum Genet** 1986 Aug;73(4):346–9

An unusual translocation 46,XX,t(14;17)(q33.2;p11.2) in a woman with recurrent spontaneous abortions. Calzolari E, et al. **Hum Genet** 1985;71(2):181

Excess of mental retardation and/or congenital malformation in reciprocal translocations in man. Fryns JP, et al. **Hum Genet** 1986 Jan;72(1):1–8

In situ hybridization studies on variant t(2;8) translocations in Burkitt lymphoma lines. Hameister H, et al. **Hum Genet** 1986 May;73(1):73–6

Two cases of X/autosome translocation in females with incontinentia pigmenti. Hodgson SV, et al. **Hum Genet** 1985;71(3):231–4

Analysis of spreading of inactivation in eight X autosome translocations utilizing the high resolution RBG technique. Keitges EA, et al. **Hum Genet** 1986 Mar;72(3):231–6

The chromosome breakpoint at 14q32 in an ataxia telangiectasia t(14;14) T cell clone is different from the 14q32 breakpoin' in Burkitts and an inv(14) T cell lymphoma. Kennaugh AA, et al. **Hum Genet** 1986 Jul; 73(3):254–9

Gene order on the short arm of human chromosome 11: regional assignment of the LDH A gene distal to catalase in two translocations. Lewis WH, et al. **Hum Genet** 1985; 71(3):249–53

A new balanced (1;22)(p22;q13) translocation in a sterile male. Miró R, et al. **Hum Genet** 1985;71(4):372

Familial isolated aniridia associated with a translocation involving chromosomes 11 and 22 [t(11;22)(p13;q12.2)]. Moore JW, et al. **Hum Genet** 1986 Apr;72(4):297–302

De novo 21/21 translocation Down syndrome. Studies of parental origin of the translocation and acrocentric associations in parents. Nikolii J, et al. **Hum Genet** 1986 Jun;73(2):127–9

Analysis of crossing–over in a family with translocation 9;10 involving a chromosome 9 with a pericentric inversion. Priest JH, et al. **Hum Genet** 1985;71(2):177–80

A complex three breakpoint translocation involving chromosomes 2, 4, and 9 identified by meiotic investigations of a human male ascertained for subfertility. Saadallah N, et al. **Hum Genet** 1985;71(4):312–20

High–resolution banding study of an X/4 translocation in a female with Duchenne muscular dystrophy. Saito F, et al. **Hum Genet** 1985;71(4):370–1

Maternal 3:1 disjunction in a translocation 9/17. Sánchez Ferrer MA, et al. **Hum Genet** 1986 Jun;73(2):188

A 45,X male with evidence of a translocation of Y euchromatin onto chromosome 15. Schempp W, et al. **Hum Genet** 1985;71(2):150–4

Excess of mental retardation and/or congenital malformation in reciprocal translocations in man [letter] Steinbach P. **Hum Genet** 1986 Aug;73(4):379

Translocations among antibody genes in human cancer. Leder P. **IARC Sci Publ** 1985;(60):341–57

Mapping H–1 with the distal break point of chromosome 7 in Cattanach's insertion. Loveland BE, et al. **Immunogenetics** 1985;22(5):503–10

Hypospadias and gynecomastia in a male associated with autosomal balanced translocation. Krishna Murthy DS, et al. **Indian J Pediatr** 1985 Jul–Aug;52(417):417–23

Possible association of a new translocation, t(7;11)(p15;p15), with Ph1 chromosome–negative chronic myelogenous leukemia. Kaneko Y, et al. **Int J Cancer** 1985 Dec 15; 36(6):657–9

Selected translocation of plasmid genes: frequency and regional specificity of translocation of the Tn3 element. Kretschmer PJ, et al. **J Bacteriol** 1977 May;130(2):888–99

Hyperdiploidy and chromosomal rearrangements define the anaplastic variant of Wilms' tumor. Douglass EC, et al. **J Clin Oncol** 1986 Jun;4(6):975–81

Detection of a second t(14;18) breakpoint cluster region in human follicular lymphomas. Cleary ML, et al. **J Exp Med** 1986 Jul 1;164(1):315–20

Precise location of breakpoints in a frequent reciprocal translocation between chromosomes 11 and 22. Babu KA, et al. **J Hered** 1986 Jan–Feb;77(1):63–4

A new type of Robertsonian translocation in the domestic dog. Mayr B, et al. **J Hered** 1986 Mar–Apr;77(2):127

Meiotic nondisjunction and translocation segregation in dwarf (dw/dw) and control T(1;13)70H heterozygous mice. Wauben–Penris PJ, et al. **J Hered** 1985 Sep–Oct; 76(5):341–4

Complex translocation involving chromosomes Y, 1, and 3 resulting in deletion of segment 3q23——q25. Al–Awadi SA, et al. **J Med Genet** 1986 Feb;23(1):91–2

A three way translocation in mother and daughter. Gardner RJ, et al. **J Med Genet** 1986 Feb;23(1):90

A case of de novo, double, balanced translocations (distal 9p to 3p, distal 18q to 3q). Hall JE, et al. **J Med Genet** 1986 Aug;23(4):369

18q+, the progeny of a balanced translocation t(1;18)mat: case report with necropsy findings. Hindi A, et al. **J Med Genet** 1986 Jun;23(3):263–6

Outcome after prenatal detection of a sporadic, unstable translocation t(5;21). Martin AO, et al. **J Med Genet** 1986 Jun;23(3):274–8

Duchenne muscular dystrophy in a female with a translocation involving Xp21. Nevin NC, et al. **J Med Genet** 1986 Apr;23(2):171–3

Reciprocal translocation between chromosomes 8 and 9 in atypical chronic myeloid leukaemia. Oscier DG, et al. **J Med Genet** 1985 Oct;22(5):398–401

Complex translocation in a boy with trichorhinophalangeal syndrome. Sánchez LM, et al. **J Med Genet** 1985 Aug; 22(4):314–6

Partial trisomy 6p and partial trisomy 22 resulting from 3:1 meiotic disjunction of maternal (6p;22q) translocation. Scarbrough PR, et al. **J Med Genet** 1986 Apr;23(2):185–7

Familial complex autosomal translocations involving chromosomes 7, 8, and 9 exhibiting male and female transmission with segregation and recombination. Walker S, et al. **J Med Genet** 1985 Dec;22(6):484–91

A reciprocal autosomal translocation which causes male sterility in the mouse also impairs oogenesis. Burgoyne PS, et al. **J Reprod Fertil** 1985 Nov;75(2):647–52

Aneuploidy in the embryonic progeny of females heterozygous for the Robertsonian chromosome (9.12) in genetically wild Peru–Coppock mice (Mus musculus). Harris MJ, et al. **J Reprod Fertil** 1986 Jan;76(1):193–203

Further implications of the territorial effects of genes: chromosomal translocation and oncogene activation. Naora H, et al. **J Theor Biol** 1985 Sep 21;116(2):313–20

A case of distal partial trisomy of long arm in chromosome 13 resulting from the mother's balanced translocation. Liu XX, et al. **J Tongji Med Univ** 1986;6(2):130–2

Partial 8 trisomy by 3:1 segregation of balanced maternal translocation t(6q+;8q–). Kogame K, et al. **Jikeikai Ika Daigaku** 1985 Sep;30(3):239–48

The loss of centromeric heterochromatin from an inactivated centromere of a dicentric chromosome. Nakagome Y, et al. **Jikeikai Ika Daigaku** 1986 Mar;31(1):21–6

Rearrangement of immunoglobulin kappa gene in a variant–type Burkitt lymphoma cell line, KOBK101, carrying a translocation between chromosomes 2 and 8. Fujino M, et al. **Jpn J Cancer Res** 1986 Jan;77(1):24–7

Cytological evidence for single–cell origin of tumors induced with 3–methylcholanthrene in female mice carrying Cattanach's translocation. Takagi N, et al. **Jpn J Cancer Res** 1986 Apr;77(4):376–84

Neoplasia and chromosomal breakage in ataxia–telangiectasia: a 2:14 translocation. Davis MM, et al. **KROC Found Ser** 1985;19:197–203

Involvement of chromosome 9 in variant Ph1 translocation. Bartram CR, et al. **Leuk Res** 1985;9(9):1133–7

Variant Philadelphia translocation in an immunologically and clinically typical case of chronic myeloid leukaemia. Donti E, et al. **Leuk Res** 1985;9(9):1149–53

11;19 translocation in a congenital leukemia with two cell populations of lymphoblasts and monoblasts. Hayashi Y, et al. **Leuk Res** 1985;9(12):1467–73

Rearrangements of the short arm of chromosome No. 6 in T–cell lymphomas. Mecucci C, et al. **Leuk Res** 1985; 9(9):1139–48

Burkitt lymphoma cell line carrying a variant translocation creates new DNA at the breakpoint and violates the hierarchy of immunoglobulin gene rearrangement. Denny CT, et al. **Mol Cell Biol** 1985 Nov;5(11):3199–207

Acquisition of an intracisternal A–particle element by a translocated c–myc gene in a murine plasma cell tumor. Greenberg R, et al. **Mol Cell Biol** 1985 Dec;5(12):3625–8

239Plutonium–induced heritable translocations in male mice. Generoso WM, et al. **Mutat Res** 1985 Oct;152(1):49–52

T–cell acute lymphoblastic leukemias with a t(8;14) possibly involving a c–myc locus and T–cell–receptor alpha–chain genes [letter] Hayashi Y, et al. **N Engl J Med** 1986 Mar 6;314(10):650–1

Chromosome 5q35 breakpoint in malignant histiocytosis [letter] Morgan R, et al. **N Engl J Med** 1986 May 15; 314(20):1322

X;autosome translocations in females with Duchenne or Becker muscular dystrophy [letter] Dubowitz V. **Nature** 1986 Jul 17–23;322(6076):291–2

Expression of a translocated c–abl gene in hybrids of mouse fibroblasts and chronic myelogenous leukaemia cells. Kozbor D, et al. **Nature** 1986 Jan 23–29;319(6051):331–3

Cloning of the breakpoint of an X;21 translocation associated with Duchenne muscular dystrophy. Ray PN, et al. **Nature** 1985 Dec 19–1986 Jan 1;318(6047):672–5

Analysis of the 3' flanking region of the human c–myc gene in lymphomas with the t(8;22) and t(2;8) chromosomal translocations. Sun LK, et al. **Nucleic Acids Res** 1986 May 27;14(10):4037–50

Bilateral optic nerve abnormalities associated with a 4–10 chromosomal translocation. Benezra D, et al. **Ophthalmic Paediatr Genet** 1985 Apr;5(3):151–4

Corneal pathology and aniridia associated with partial trisomy 2q due to a maternal (2;6) translocation. MacDonald IM, et al. **Ophthalmic Paediatr Genet** 1984 Aug;4(2):75–80

Additional linkage relationships within the Z chromosome of the chicken. Bitgood JJ. **Poult Sci** 1985 Dec; 64(12):2234–8

Prenatal diagnosis of a de novo complex chromosomal rearrangement involving four chromosomes. Kim HJ, et

al. Prenat Diagn 1986 May-Jun;6(3):211-6
Nucleotide sequence of a t(14;18) chromosomal breakpoint in follicular lymphoma and demonstration of a breakpoint-cluster region near a transcriptionally active locus on chromosome 18. Cleary ML, et al. Proc Natl Acad Sci USA 1985 Nov;82(21):7439-43
Translocation of c-myc in the hereditary renal cell carcinoma associated with a t(3;8)(p14.2;q24.13) chromosomal translocation. Drabkin HA, et al. Proc Natl Acad Sci USA 1985 Oct;82(20):6980-4
Comparison of constitutional and tumor-associated 11;22 translocations: nonidentical breakpoints on chromosomes 11 and 22. Griffin CA, et al. Proc Natl Acad Sci USA 1986 Aug;83(16):6122-6
Molecular cloning of the breakpoint junction of a human chromosomal 8;14 translocation involving the T-cell receptor alpha-chain gene and sequences on the 3' side of MYC. McKeithan TW, et al. Proc Natl Acad Sci USA 1986 Sep;83(17):6636-40
A translocated human c-myc oncogene is altered in a conserved coding sequence. Murphy W, et al. Proc Natl Acad Sci USA 1986 May;83(9):2939-43
Gene encoding the alpha chain of the T-cell receptor is moved immediately downstream of c-myc in a chromosomal 8;14 translocation in a cell line from a human T-cell leukemia. Shima EA, et al. Proc Natl Acad Sci USA 1986 May;83(10):3439-43
Secondary activation of c-abl may be related to translocation to the nucleolar organizer region in an in vitro cultured rat leukemia cell line (K3D). Takahashi R, et al. Proc Natl Acad Sci USA 1986 Feb;83(4):1079-83
Gene localization on sorted chromosomes: definitive evidence on the relative positioning of genes participating in the mouse plasmacytoma-associated typical translocation. Wirschubsky Z, et al. Proc Natl Acad Sci USA 1985 Oct;82(20):6975-9
Chromosomal translocations, immunoglobulin genes, and oncogenes in human B-cell tumors. Nowell PC, et al. Prog Clin Biol Res 1985;184:457-68
Ataxia-telangiectasia. X,14 translocation, progressive deterioration of lymphocyte numbers and function, and abnormal in vitro immunoglobulin production. Beatty DW, et al. S Afr Med J 1986 Jan 18;69(2):115-8
Balanced chromosome translocations and abnormal phenotypes. A report of 5 cases. van Heerden KM, et al. S Afr Med J 1986 Jun 21;69(13):825-7
Acute lymphocytic leukaemia with t(4;11): a clinical subentity. Bjerrum OW, et al. Scand J Haematol 1985 Jul; 35(1):96-101
Translocation (2;11) (p21;q23) in acute non-lymphocytic leukaemia: a non-random association. de la Chapelle A, et al. Scand J Haematol [Suppl] 1986;45:91-7
Interferon and c-ets-1 genes in the translocation (9;11)(p22;q23) in human acute monocytic leukemia. Diaz MO, et al. Science 1986 Jan 17;231(4735):265-7
Deregulation of c-myc by translocation of the alpha-locus of the T-cell receptor in T-cell leukemias. Erikson J, et al. Science 1986 May 16;232(4752):884-6
Molecular analysis of the t(2;14) translocation of childhood chronic lymphocytic leukemia. Fell HP, et al. Science 1986 Apr 25;232(4749):491-4
A balanced translocation in mice with a neurological defect. Rutledge JC, et al. Science 1986 Jan 24;231(4736):395-7
Hu-ets-1 and Hu-ets-2 genes are transposed in acute leukemias with (4;11) and (8;21) translocations. Sacchi N, et al. Science 1986 Jan 24;231(4736):379-82
Translocation of human glial and glioma cells in culture. Forsby N, et al. Virchows Arch [Cell Pathol] 1986; 51(1):3-15
Cytogenetic study of malignant histiocytosis transplanted into nude mice; presence of translocation between chromosomes 5 and 6 and a unique marker (13q+). Soulie J, et al. Virchows Arch [Cell Pathol] 1986;50(4):339-44
The molecular biology of chromosome alterations in myelogenous leukemia. Drabkin HA. West J Med 1985 Dec;143(6):825-8
[X-Y translocation in a mother and daughter] Liao SX. Chung Hua Fu Chan Ko Tsa Chih 1985 Sep;20(5):298-300, 319 (Eng. Abstr.) (Chi)
[Heritable translocation assay in mice after prolonged and TEM treatment] Wang JN, et al. Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao 1984 Dec; 6(6):425-8 (Eng. Abstr.) (Chi)
[Union of 2 carriers of a balanced translocation. Familial study of 3 generations] Gilgenkrantz S, et al. Ann Genet (Paris) 1985;28(3):164-6 (Eng. Abstr.) (Fre)
[Reciprocal syndromes caused by deficiency duplication resulting from maternal t(10;18)(p12;q22) translocation] Rethoré MO, et al. Ann Genet (Paris) 1985;28(3):149-53 (Eng. Abstr.) (Fre)
[Abnormal localization of proto-oncogene c-ets 1 in acute leukemia with translocation t(1: 11)(q21: q23)] Caubet JF, et al. C R Acad Sci [III] 1986;302(16):589-91 (Eng. Abstr.) (Fre)
[Translocation t(1; 14) and rearrangement of the gene for the alpha chain of the T-cell receptor in acute T-lymphoblastic leukemia] Mathieu-Mahul D, et al. C R Acad Sci [III] 1986;302(14):525-8 (Eng. Abstr.) (Fre)
[Monoblastic (M5a) form of relapse in acute myeloblastic (M2) leukemia with t(8;21)] Daniel MT, et al. Nouv Rev Fr Hematol 1986;28(2):115-7 (Eng. Abstr.) (Fre)
[Incidence and significance of chromosomal translocations in prenatal diagnosis] Wolff F, et al. Geburtshilfe Frauenheilkd 1986 Jun;46(6):359-62 (Eng. Abstr.) (Ger)
[Biclonal leukemia O-ALL/AMoL) with 11;19 translocation and trisomy X in an 8-month-old girl] Fengler R, et al. Klin Padiatr 1986 May-Jun;198(3):178-82 (Eng. Abstr.) (Ger)
[Trisomy 11qter(11q21 and 11q23——qter) syndrome. Presentation of a case with familial translocation t(11;12) (q23,1——qter;q24,3)] Vianello MG, et al. Minerva Pediatr 1986 Mar 31;38(5-6):183-92 (Eng. Abstr.) (Ita)
[Chromosome translocations and cellular oncogenes in hematologic neoplasms] Sakurai M. Gan To Kagaku Ryoho 1986 Mar;13(3 Pt 2):652-60 (Eng. Abstr.) (Jpn)
[Involvement of eosinophils in leukemic clones: cytogenetic study in eosinophilic colonies from acute myelogenous leukemia associated with 8;21 translocation] Ishibashi T, et al. Nippon Ketsueki Gakkai Zasshi 1985 Aug; 48(5):1161-7 (Eng. Abstr.) (Jpn)
[Pre-B-cell acute lymphoblastic leukemia associated with chromosomal translocation 1;19] Kawai S, et al. Rinsho Ketsueki 1985 Nov;26(11):1824-8 (Eng. Abstr.) (Jpn)
[Two cases of childhood acute myelogenous leukemia with an 8/21 chromosome translocation] Tomooka Y, et al. Rinsho Ketsueki 1986 Feb;27(2):231-7 (Eng. Abstr.) (Jpn)
[Testicular relapse in acute myelogenous leukemia (AML-M2) with t(8;21) chromosome abnormality] Yashige H, et al. Rinsho Ketsueki 1985 Sep;26(9):1475-80 (Eng. Abstr.) (Jpn)
[A case of partial trisomy 13 with robertsonian translocation on chromosome 15 in a 3-year-old boy] Stasiowska-Saeid E. Pediatr Pol 1985 Sep;60(9):667-70 (Pol)
[Behavior of mice with robertsonian translocations of chromosomes] Krushinskii LV, et al. Genetika 1986 Mar; 22(3):434-41 (Eng. Abstr.) (Rus)
[Translocation 8:21 in acute myeloblastic leukemia in children] Osis IV, et al. Pediatriia 1985 Jul;(7):37-9 (Rus)
[Clinical case of tandem translocation between chromosomes 13 and 15] Badalian LO, et al. Tsitol Genet 1985 Jul-Aug; 19(4):304-8 (Eng. Abstr.) (Rus)
[Balanced t(4,15)(q27,q25) translocation in a man with an exacerbated familial anamnesis] Ginzburg IA, et al. Tsitol Genet 1985 Nov-Dec;19(6):466-7 (Eng. Abstr.) (Rus)
[Prenatal cytogenetic diagnosis in a mother carrying chromosomal translocation 4;9. Follow-up of the newborn infant] Medina-Gómez P, et al. Bol Med Hosp Infant Mex 1986 Jul;43(7):407-11 (Eng. Abstr.) (Spa)
[XY translocation in a woman with dyschondrosteosis and sterility] Youlton R, et al. Rev Med Chil 1985 Mar; 113(3):228-30 (Eng. Abstr.) (Spa)

DRUG EFFECTS

The influence of hypertonic NaCl on nucleocytoplasmic translocation of RNA in the rat liver. Sidransky H, et al. Am J Pathol 1986 Jun;123(3):577-84

RADIATION EFFECTS

Site-specific chromosomal rearrangements induced in human diploid cells by x-irradiation. Kano Y, et al. Cytogenet Cell Genet 1986;41(1):22-9
Antimutagenic properties of selected radioprotective drug mixtures with regard to X-ray-induced reciprocal translocations in mouse spermatogonia. Benova DK. Mutat Res 1986 Jan-Feb;159(1-2):75-81
Dose-effect relationship for X-ray-induced translocations in spermatogonia of normal and T70H translocation heterozygous mice. van Buul PP, et al. Mutat Res 1986 Jan;173(1):41-8
The induction of reciprocal translocations in rhesus monkey stem-cell spermatogonia: effects of low doses and low dose rates. van Buul PP, et al. Radiat Res 1986 Jan;105(1):1-7

TRANSMISSIBLE ENTERITIS OF TURKEYS see **ENTERITIS, TRANSMISSIBLE, OF TURKEYS**

TRANSMISSIBLE GASTROENTERITIS OF SWINE see **GASTROENTERITIS, TRANSMISSIBLE, OF SWINE**

TRANSMITTER UPTAKE INHIBITORS, NEURONAL

see related
BIOLOGICAL TRANSPORT, ACTIVE

PHARMACODYNAMICS

Modification by desipramine of the effects of alpha-adrenoceptor antagonists on the contractile responses of the trisected rat vas deferens. Bradley L, et al. Gen Pharmacol 1985;16(5):475-82
Estradiol and progesterone potentiate adenosine's depressant action on rat cerebral cortical neurons. Phillis JW, et al. Gen Pharmacol 1985;16(6):609-12
Amplification by glycine of the anticonvulsant effect of THPO, a GABA uptake inhibitor. Seiler N, et al. Gen Pharmacol 1985;16(5):509-11
Interactions between endogenous dopamine and dopamine agonists at release modulatory receptors: multiple effects of neuronal uptake inhibitors on transmitter release. Hoffmann IS, et al. J Pharmacol Exp Ther 1986 Aug; 238(2):437-46

TRANSPHOSPHORYLASES see **PHOSPHOTRANSFERASES**

TRANSPLANTATION

see related
HISTOCOMPATIBILITY TESTING
NEOPLASM TRANSPLANTATION
TISSUE DONORS
TISSUE PRESERVATION

A personal perspective. Working with families who donate organs and tissues. Malecki MS. AORN J 1986 Jul; 44(1):44-7
Biology of organ transplantation [editorial] Hancock WW. Conn Med 1986 Jul;50(7):485
Will "required request" work? [letter]Kapp MB. Hastings Cent Rep 1985 Dec;15(6):47
Cyclosporine in transplantation. Harwood CH, et al. Heart Lung 1985 Nov;14(6):529-40 (55 ref.)
Transplants force larger payment, access issues [interview by Emily Friedman] Evans RW. Hospitals 1986 Jul 20; 60(14):62-3
On organ transplantation--its future in Iowa. Corry RJ. Iowa Med 1986 Jun;76(6):266-9
The regulation of organ procurement and transplantation in the United States. Cotton RD, et al. J Leg Med (Chicago) 1986 Mar;7(1):55-84
Baby Fae: a beastly business. Kushner T, et al. J Med Ethics 1985 Dec;11(4):178-83
The organ procurement problem: many causes, no easy solutions [news] Merz B. JAMA 1985 Dec 20; 254(23):3285-8
Prognostic value of cytomegalovirus IgM antibody in transplant recipients [letter] Wreghitt TG, et al. Lancet 1986 May 17;1(8490):1157-8
Medicine confronts Jewish law [news] Meyers N. Nature 1985 Nov 14-20;318(6042):97
The Carolina Organ Procurement Agency (a cooperative approach to organ/tissue recovery in North Carolina). Joyner SL. NC Med J 1986 Apr;47(4):193-5
Psychosocial issues in pediatric organ transplantation: the parents' perspective. Gold LM, et al. Pediatrics 1986 May; 77(5):738-44
South African Transplantation Society: the 11th biennial congress. Ceres, CP, 20-22 March 1985. Abstracts. S Afr J Surg 1986 Mar;24(1):35-50
Designing a datacommunications network to support decentral computer facilities within the Eurotransplant organization. Liebelt P, et al. Scand J Urol Nephrol [Suppl] 1985;92:87-90
Organ transplantation. Surg Clin North Am 1986 Jun; 66(3):425-657
Organization of an organ donation network. Davis FD, et al. Surg Clin North Am 1986 Jun;66(3):641-52
Cost-effectiveness analysis of transplantation. Evans RW. Surg Clin North Am 1986 Jun;66(3):603-16
Ethical issues in transplantation. Parks WE, et al. Surg Clin North Am 1986 Jun;66(3):633-9
Organ preservation. Pegg DE. Surg Clin North Am 1986 Jun; 66(3):617-32
Organization of a clinical transplant unit: general guidelines. Reece ID. Surg Clin North Am 1986 Jun;66(3):425-33
The Transplantation Society of Australia and New Zealand. Third scientific congress. Transplant Proc 1986 Apr; 18(2):249-359
Third international workshop on the role of aspiration cytology in transplantation. March 4-6, 1986, Mayrhofen, Tyrol, Austria. Transplant Proc 1985 Oct;17(5):2071-139
Proceedings of the Second International Congress on Organ Procurement. October 3-5, 1985, Detroit, Michigan. Transplant Proc 1986 Jun;18(3):381-619
International symposium on medical, ethical, and economic aspects of organ transplantation and procurement. Cleveland, Ohio, November 7-9, 1985. Transplant Proc 1986 Jun;18(3 Suppl 2):1-105
International Symposium on Organs for Transplantation. May 22-25, 1985, Chateau Lake Louise, Alberta, Canada. Transplant Proc 1985 Dec;17(6 Suppl 4):1-146
Fourth annual meeting of the Canadian Transplantation Society. Transplant Proc 1986 Feb;18(1):135-234
Thirteenth congress of the Scandinavian Transplantation Society. Stockholm, May 8-10, 1985. Transplant Proc 1986 Feb;18(1):1-131
Requests, gifts, and obligations: the ethics of organ procurement. Caplan AL. Transplant Proc 1986 Jun;18(3 Suppl 2):49-56
The non-physician coordinator's contribution to the development of an organ procurement program. Denny DW. Transplant Proc 1985 Dec;17(6 Suppl 4):83-7
The ethical continuity of transplantation. Freedman B. Transplant Proc 1985 Dec;17(6 Suppl 4):17-23
In defense of science and the soul. Friedlaender GE. Transplant Proc 1985 Dec;17(6 Suppl 4):11-2

Freedom to choose and freedom to lose: the procurement of cadaver organs for transplantation. Hoffmaster B. **Transplant Proc** 1985 Dec;17(6 Suppl 4):24–30
Ethical considerations in solid organ pediatric transplants. Kanoti GA. **Transplant Proc** 1986 Jun;18(3 Suppl 2):43–6
A legal definition of death: can it affect supply of tissue and organs? Keyserlingk EW. **Transplant Proc** 1985 Dec;17(6 Suppl 4):47–52
Medical progress and the human soul. Muggeridge M. **Transplant Proc** 1985 Dec;17(6 Suppl 4):7–10
New organ transplant program: the decision tree. Nightingale JE. **Transplant Proc** 1985 Dec;17(6 Suppl 4):137–42
Commerce in tissue and organs. Sharpe G. **Transplant Proc** 1985 Dec;17(6 Suppl 4):33–9
"Procurement" vs "donation"—access to tissues and organs for transplantation: should "contracting out" legislation be adopted? Somerville MA. **Transplant Proc** 1985 Dec;17(6 Suppl 4):53–68
Inter vivos transplantation: the child and dependent adult as donors. Starkman B. **Transplant Proc** 1985 Dec;17(6 Suppl 4):40–6
Ethics of transplantation. Stiller CR. **Transplant Proc** 1985 Dec;17(6 Suppl 3):131–8
[Removal of tissues and organs for transplantation purposes from the bodies of cadavers when the examining physician suspects a crime] Homoláčová A. **Cesk Zdrav** 1985 Oct; 33(10):435–8 (Eng. Abstr.) (Cze)
[The Transfusion and Transplantation Institute in Berlin (observations from a study trip)] Fiala J. **Vnitr Lek** 1985 Nov;31(11):1126–8 (Cze)
[Cyclosporin A and transplantation] Lokiec F. **Ann Med Interne (Paris)** 1985;136(7):585–9 (58 ref.) (Fre)
[Legal principles of organ transplantations] Holczabek W, et al. **Wien Klin Wochenschr** 1986 Jun 27;98(13):417–20 (Eng. Abstr.) (Ger)
[Therapeutic principle of organ replacement—artificial organs] Urbaszek W. **Z Gesamte Inn Med** 1986 May 15; 41(10):281–3 (Eng. Abstr.) (Ger)

ECONOMICS

Laboratory tests for transplant patients [letter] MacDonald RA. **Arch Pathol Lab Med** 1986 Aug;110(8):683
A review of organ transplantation policy. White JK. **Health Aff (Millwood)** 1985 Winter;4(4):109–14
Philosophy and financing of organ transplants. West JC, et al. **Pa Med** 1986 Apr;89(4):22, 26
The socioeconomics of organ transplantation. Evans RW. **Transplant Proc** 1985 Dec;17(6 Suppl 4):129–36
Organ procurement in Munich: financial and organizational aspects. Land W, et al. **Transplant Proc** 1985 Dec;17(6 Suppl 4):79–82
Live donors: related and otherwise. Slapak M. **Transplant Proc** 1985 Dec;17(6 Suppl 4):13–4
Commercialization in transplantation. The problems and some guidelines for practice. The Council of the Transplantation Society [editorial] **Transplantation** 1986 Jan;41(1):1–3
[Cost benefit analysis in organ transplantation] Scherstén T, et al. **Lakartidningen** 1986 Aug 27;83(35):2839–42 (Swe)

HISTORY

Organ transplantation: from laboratory to clinic. Calne RY. **Br Med J [Clin Res]** 1985 Dec 21–28;291(6511):1751–4
Microsurgery—retrospective. Buncke HJ. **Clin Plast Surg** 1986 Apr;13(2):315–8
Skin and soft-tissue coverage—retrospective. Chase RA. **Clin Plast Surg** 1986 Apr;13(2):195–203
Historical review of skin and soft tissue coverage of the upper extremity. Chase RA. **Hand Clin** 1985 Nov;1(4):599–608
Human organ replacement—then and now. Hardy JD. **Trans Stud Coll Physicians Phila** 1985 Sep;7(3):159–76
[Ancient legends in modern immunology] Berle EJ Jr. **Tidsskr Nor Laegeforen** 1986 Feb 20;106(5):407–11 (Eng. Abstr.) (Nor)

METHODS

The preparation of small dermal grafts. Rosenberg L, et al. **Ann Plast Surg** 1985 Sep;15(3):270–1
Report on organ transplantation and other innovative therapies. **Milan Med** 1986 Apr;69(4):217–25
Clinical evaluation of reversed dermis graft for reconstruction of oral mucosa. Ueda M, et al. **Nagoya J Med Sci** 1986 Mar;48(1–4):33–45

PSYCHOLOGY

Adaptation of adult bone marrow transplant recipient long-term survivors. Wolcott DL, et al. **Transplantation** 1986 Apr;41(4):478–84
[Psychosocial aspects of heart transplantation] Erdman Ra, et al. **Ned Tijdschr Geneeskd** 1986 Jun 14;130(24):1114–6 (Eng. Abstr.) (Dut)

REHABILITATION

Twenty years of renal transplantation in children. Potter D, et al. **Pediatrics** 1986 Apr;77(4):465–70

STANDARDS

Donor identification. Cardella CJ, et al. **Transplant Proc** 1985 Dec;17(6 Suppl 3):35–44

TRENDS

Transplantation in the 80s: a blueprint for success. Stiller CR, et al. **Transplant Proc** 1985 Dec;17(6 Suppl 3):19–31

TRANSPLANTATION, ALLOGENEIC see **TRANSPLANTATION, HOMOLOGOUS**

TRANSPLANTATION ANTIGENS see **HISTOCOMPATIBILITY ANTIGENS**

TRANSPLANTATION, AUTOLOGOUS

Graft urethroplasty in the treatment of urethral stricture disease. Badejo OA, et al. **Br J Clin Pract** 1986 Jul; 40(7):282–7
Autologous bone marrow transplantation. **Clin Haematol** 1986 Feb;15(1):1–272
Marrow harvesting for autologous marrow transplantation. Jin NR, et al. **Exp Hematol** 1985 Oct;13(9):879–84
A technique for the dilatation of the artery and vein in microsurgery [letter] Nazerani S. **Plast Reconstr Surg** 1986 Jun;77(6):1011

ADVERSE EFFECTS

A review of scalp split-thickness skin grafts and potential complications. Lesesne CB, et al. **Plast Reconstr Surg** 1986 May;77(5):757–8

INSTRUMENTATION

[Device for producing latticed grafts from dermatome flaps] Lumel'skil EA. **Med Tekh** 1986 May–Jun;(3):51–2 (Eng. Abstr.) (Rus)

METHODS

Review of the morbidity of 300 free-flap donor sites. Colen SR, et al. **Plast Reconstr Surg** 1986 Jun;77(6):948–53
Comparison of splenic and renal subcapsular islet autografting in dogs. Hesse UJ, et al. **Transplantation** 1986 Feb;41(2):271–4
[Current status of pancreas autotransplantation in the treatment of chronic pancreatitis] Squiffiet JP, et al. **Acta Gastroenterol Belg** 1985 Nov–Dec;48(6):625–34 (Eng. Abstr.) (Fre)
[Microsurgical autograft in children and adolescents] Krylov VS, et al. **Vestn Khir** 1985 Sep;135(9):99–103 (Eng. Abstr.) (Rus)

TRANSPLANTATION, HETEROLOGOUS

The nude mouse xenograft system: a model for photodetection and photodynamic therapy in head and neck squamous cell carcinoma. Hill JH, et al. **Am J Otolaryngol** 1986 Jan–Feb;7(1):17–27
Rapid detection of xenotransplanted human tissues using in situ hybridization. Obara T, et al. **Am J Pathol** 1986 Mar; 122(3):386–91
The in vivo malignant transformation of mouse fibroblasts in the presence of human tumour xenografts. Sparrow S, et al. **Br J Cancer** 1986 Jun;53(6):793–7
Radioimmunodetection of human colon carcinoma xenografts in visceral organs of congenitally athymic mice. Lundy J, et al. **Cancer** 1986 Feb 1;57(3):503–9
Rationale and methods for the use of nude mice to study the biology and therapy of human cancer metastasis. Fidler IJ. **Cancer Metastasis Rev** 1986;5(1):29–49 (105 ref.)
Metastatic behavior of tumor cells isolated from primary and metastatic human colorectal carcinomas implanted into different sites in nude mice. Giavazzi R, et al. **Cancer Res** 1986 Apr;46(4 Pt 2):1928–33
Bladder cancer xenografts: a model of tumor cell heterogeneity. Russell PJ, et al. **Cancer Res** 1986 Apr;46(4 Pt 2):2035–40
Epidermoid metaplasias of xenotransplanted human tracheobronchial epithelium. Klein-Szanto AJ, et al. **Carcinogenesis** 1986 Jun;7(6):987–94
Growth characteristics of human melanoma multicellular spheroids in liquid-overlay culture: comparisons with the parent tumour xenografts. Rofstad EK, et al. **Cell Tissue Kinet** 1986 Mar;19(2):205–16
New experimental method for the repair of tracheal defects. Uhlschmid GK. **Eur Surg Res** 1986;18(3–4):271–6
Xenografts in pharmacologically immunosuppressed mice as a model to test the chemotherapeutic sensitivity of human tumors. Floersheim GL, et al. **Int J Cancer** 1986 Jan 15; 37(1):109–14
Heterotransplantation of human pleomorphic adenomas to nude mice. Barfoed C, et al. **Int J Oral Maxillofac Surg** 1986 Jun;15(3):331–5
Transplantation of bovine mammary tissue to athymic nude mice: growth subcutaneously and in mammary gland-free fat pads. Sheffield LG, et al. **J Dairy Sci** 1986 Apr; 69(4):1141–7
Prolonged viability of human skin xenografts in rats by cyclosporine. Biren CA, et al. **J Invest Dermatol** 1986 Jun; 86(6):611–4
Immune presensitization and local intrauterine defences as determinants of success or failure of murine interspecies pregnancies. Clark DA, et al. **J Reprod Fertil** 1986 Jul; 77(2):633–43
Effects of alterations in the immunocompetent status of Mus musculus females on the survival of transferred Mus caroli embryos. Croy BA, et al. **J Reprod Fertil** 1985 Jul; 74(2):479–89
Xenografts. Review of the literature and current status. Council on Scientific Affairs. **JAMA** 1985 Dec 20; 254(23):3353–7
Baboon-to-human cardiac xenotransplantation in a neonate. Bailey LL, et al. **JAMA** 1985 Dec 20;254(23):3321–9
Ethical issues raised by research involving xenografts. Caplan AL. **JAMA** 1985 Dec 20;254(23):3339–43
The case of Baby Fae [editorial] Jonasson O, et al. **JAMA** 1985 Dec 20;254(23):3358–9
Informed consent and Baby Fae [editorial] Knoll E, et al. **JAMA** 1985 Dec 20;254(23):3359–60
Evaluation of cyclosporine-treated mice as hosts for growing and testing the chemosensitivity of first-transplant-generation human tumor xenografts implanted under the kidney capsule. Bennett JA, et al. **JNCI** 1985 Nov;75(5):925–36
Organization and neuraminidase susceptibility of sialic acid residues in human melanoma cell lines with different heterotransplantabilities in nude mice. Berthier-Vergnes O, et al. **JNCI** 1985 Oct;75(4):605–11
Studies on the development of human acute myeloid leukaemia xenografts in immune-deprived mice: comparison with cells in short-term culture. Clutterbuck RD, et al. **Leuk Res** 1985;9(12):1511–8
Rapid rejection of fetal chick neocortical xenografts into the spinal cord of adult rats. Tang Y, et al. **Neurosci Lett** 1986 Jan 2;63(1):81–5
Response of human tumour xenografts to fractionated X-irradiation. Lindenberger J, et al. **Radiother Oncol** 1986 May;6(1):15–27
Equine pericardial xenograft in orthotopic position: early results. v. Segesser L, et al. **Thorac Cardiovasc Surg** 1986 Feb;34(1):35–8
Observations on cardiac xenotransplantation. Bailey LL, et al. **Transplant Proc** 1986 Jun;18(3 Suppl 2):88–92
Review of xenografts in organ transplantation. Deodhar SD. **Transplant Proc** 1986 Jun;18(3 Suppl 2):83–7 (47 ref.)
The ethics of xenografts. Veatch RM. **Transplant Proc** 1986 Jun;18(3 Suppl 2):93–7
Effect of selective T cell depletions in mixed xenogeneic reconstitution on specific hyporeactivity to transplantation across a species barrier. Ildstad ST, et al. **Transplantation** 1986 Mar;41(3):372–6
[Use of Unilab Surgibone xenoimplants to bridge large bone defects in experiments on rabbits] Janovec M, et al. **Acta Chir Orthop Traumatol Cech** 1986 Apr;53(2):85–93 (Eng. Abstr.) (Cze)
[Heterotopic autotransplantation of splenic tissue after splenectomy] Vinogradov VV, et al. **Khirurgiia (Mosk)** 1986 Feb;(2):87–9 (Eng. Abstr.) (Rus)

METHODS

A novel method to bursectomize avian embryos and obtain quail——chick bursal chimeras. I. Immunocytochemical analysis of such chimeras by using species-specific monoclonal antibodies. Belo M, et al. **J Immunol** 1985 Dec; 135(6):3785–94
Technique for primate heterotopic cardiac xenotransplantation. Michler RE, et al. **J Med Primatol** 1985;14(6):357–62
Method of heart transplantation for treatment of hypoplastic left heart syndrome. Bailey L, et al. **J Thorac Cardiovasc Surg** 1986 Jul;92(1):1–5
[Surgical technics in experimental transplantation of the liver. I. Heterotopic transplant] Arias Pérez J, et al. **Rev Esp Enferm Apar Dig** 1986 Apr;69(4):287–94 (Eng. Abstr.) (Spa)

STANDARDS

Transplant panel wants criteria on performance set. Firshein J. **Hospitals** 1986 Jun 5;60(11):100

TRANSPLANTATION, HOMOLOGOUS

Development and organization of a multiple organ transplantation program. Bahnson HT, et al. **Ann Surg** 1986 Jun;203(6):620–5
Impact of organ transplant program on the Clinical Chemistry Laboratory at the University of Pittsburgh. Sanghvi A. **Arch Pathol Lab Med** 1986 Feb;110(2):95–7
Experience of a Canadian multi-organ transplant service. Grant D, et al. **Can Med Assoc J** 1986 Aug 1;135(3):197–203
The role of cytostasis in antitumor immunity: comparison between syngeneic and allogeneic systems. Mitani M, et al. **Cell Immunol** 1985 Apr 15;92(1):22–30
Split tolerance induced by chick embryo thymic epithelium allografted to embryonic recipients. Houssaint E, et al. **J Immunol** 1986 May 1;136(9):3155–9
Cyclosporin A in organ transplantation. Miach PJ. **Med J Aust** 1986 Aug 4–18;145(3–4):146–50 (66 ref.)
Organ transplantation questions begin to get answers. Allaben RD. **Mich Med** 1986 Jun;85(6):288–90
On the designation of transplant centers in Michigan. Carlyn M, et al. **Mich Med** 1986 Jun;85(6):291–2
Organ allotransplantation since the advent of cyclosporin. Du Toit DF, et al. **S Afr Med J** 1985 Dec 21;68(13):930–4 (63 ref.)

Indications for organ transplantation. Proceedings of a pre-congress conference held in association with the second congress of the European Society for Organ Transplantation. November 26, 1986, Munich, FR Germany. **Transplant Proc** 1986 Aug;18(4 Suppl 3):1–102
Blood eosinophilia in transplant patients [letter] Ianhez LE, et al. **Transplantation** 1986 Jul;42(1):107
Drug-induced tolerance to allografts in mice. VIII. Effects of thymectomy and/or splenectomy on tolerance induction in an H-2-haplotype-identical strain combination. Mayumi H, et al. **Transplantation** 1985 Oct;40(4):438–41
In vivo mechanisms of alloreactivity. III. Development of donor-specific antibody in sponge matrix allografts. Sirinek LP, et al. **Transplantation** 1986 Mar;41(3):349–56
Cytotoxic T lymphocyte activity in transplant patients [letter] Tyler JD. **Transplantation** 1986 Jul;42(1):105–7
Immune reactivity in congenic mice after allogeneic or isogeneic transfusion. Wood ML, et al. **Transplantation** 1986 Apr;41(4):489–94
[Allogeneic bone marrow transplantation; recommendations of the Public Health Council] Haanen C. **Ned Tijdschr Geneeskd** 1986 Mar 1;130(9):389–91 (Eng. Abstr.) **(Dut)**
[Rejection mechanisms of allografts. Role of regional lymph nodes in the development of cytotoxic T lymphocytes] Mori K. **Fukuoka Igaku Zasshi** 1986 Feb;77(2):87–97 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Early and late interstitial pneumonia following human bone marrow transplantation. Sullivan KM, et al. **Int J Cell Cloning** 1986;4 Suppl 1:107–21 (53 ref.)
The source of murine cytomegalovirus in mice receiving kidney allografts. Klotman ME, et al. **J Infect Dis** 1985 Dec;152(6):1192–6
Risk factors for cytomegalovirus infection after human marrow transplantation. Meyers JD, et al. **J Infect Dis** 1986 Mar;153(3):478–88
HTLV-III infection in kidney transplant recipients [letter] L'age-Stehr J, et al. **Lancet** 1985 Dec 14;2(8468):1361–2
Cytomegalovirus-induced diabetes mellitus in a renal allograft recipient. Lehr H, et al. **Transplant Proc** 1985 Oct; 17(5):2152–4
Transmission of malaria by bone marrow transplantation [letter] Dharmasena F, et al. **Transplantation** 1986 Aug; 42(2):228
Successful treatment with infrared contact coagulation of excessive fluid leakage after spontaneous decapsulation of a renal allograft. Tiggeler RG, et al. **Transplantation** 1986 Feb;41(2):264–5
Cancer after transplantation. Sheil AG. **World J Surg** 1986 Jun;10(3):389–96 (47 ref.)

ECONOMICS

Transplantation and commercial gain [letter] **Lancet** 1985 Dec 21-28;2(8469-70):1429

HISTORY

Evolution of renal transplantation in a prominent dialysis center. Helfrich GB. **Artif Organs** 1986 Aug;10(4):313–5
[The first successful transplantation of the kidney—already a part of the history of medicine] Towpik E, et al. **Wiad Lek** 1985 Dec 15;38(24):1751–8 (Eng. Abstr.) **(Pol)**

METHODS

The status of bone marrow transplantation for leukemia. McGlave PB. **Hosp Pract [Off]** 1985 Nov 15;20(11):97–110
Cyclosporine concentration determinations for monitoring and pharmacokinetic studies. Ptachcinski RJ, et al. **J Clin Pharmacol** 1986 May-Jun;26(5):358–66
Heterotopic microvascular growth plate transplantation of the proximal fibula: an experimental canine model. Nettelblad H, et al. **Plast Reconstr Surg** 1986 May; 77(5):814–20
[The technic of orthotopic transplantation of the heart] Firt P, et al. **Rozhl Chir** 1986 Apr;65(4):225–31 (Eng. Abstr.) **(Cze)**
[Orthotopic allotransplantation of the canine liver; a simplified technic with hypothermia] Kumagae T, et al. **Nippon Geka Gakkai Zasshi** 1986 Apr;87(4):418–22 (Eng. Abstr.) **(Jpn)**

MORTALITY

Intravenous hyperimmune globulin prophylaxis against cytomegalovirus interstitial pneumonitis after allogenic bone marrow transplantation. Jacobsen N, et al. **Tokai J Exp Clin Med** 1985 Jun;10(2-3):193–5
Allogeneic bone marrow transplantation in children: Tokai experience 1982 to 1984. Kato S, et al. **Tokai J Exp Clin Med** 1985 Jun;10(2-3):147–58
[Prognostic factors influencing the improvement of allogeneic bone marrow transplantation in acute leukemia based on a national survey in Japan] Inoue T, et al. **Gan No Rinsho** 1985 Dec;31(15):1905–8 (Eng. Abstr.) **(Jpn)**

PSYCHOLOGY

Problems in transition following bone marrow transplantation: psychosocial aspects. Freund BL, et al. **Am J Orthopsychiatry** 1986 Apr;56(2):244–52
Psychiatric aspects of hemodialysis and kidney transplantation. Min SK, et al. **Yonsei Med J** 1984; 25(2):122–32

SUPPLY & DISTRIBUTION

Organ request laws: high marks, high hopes. Newald J. **Hospitals** 1986 Apr 20;60(8):91–2

TRENDS

Children benefit from organ-transplant gains. Gallivan M. **Hospitals** 1986 Apr 20;60(8):86–7

TRANSPLANTATION IMMUNOLOGY

see related
HISTOCOMPATIBILITY TESTING
IMMUNOSUPPRESSION

Use of the donor specific transfusion protocol in living-unrelated donor-recipient combinations. Sollinger HW, et al. **Ann Surg** 1986 Sep;204(3):315–21
Immunobiology of tissue transplantation: a return to the passenger leukocyte concept. Lafferty KJ, et al. **Annu Rev Immunol** 1983;1:143–73 (116 ref.)
Transfusions of syngeneic blood do not seem to induce suppressive effect on antitumor or transplantation immunity in mice. Jakóbisiak M, et al. **Arch Immunol Ther Exp (Warsz)** 1985;33(4):543–7
The significance of the variety of mechanisms of allograft tolerance. McCullagh P. **Aust J Exp Biol Med Sci** 1986 Feb;64 (Pt 1):1–10
Prolonged survival of rat renal allografts after multiple allogeneic pregnancies: strain specificity and role of erythrocyte antibody rosette inhibiting antibodies. Asfar SK, et al. **Clin Sci** 1985 Jul;69(1):41–9
Clinically relevant factors in transplantation immunology (1). Bow LM, et al. **Conn Med** 1986 Jul;50(7):434–40 (11 ref.)
Ontogeny of the transplantation immunity of mice for rejecting ascitic allogeneic tumors. Ando K, et al. **Dev Comp Immunol** 1985 Fall;9(4):701–8
Equine leucocyte antigen system: the future for clinical application [editorial] Antczak DF. **Equine Vet J** 1985 Jul; 17(4):257–9
The age-related decline in antibody response is transferred by old to young bone marrow transplantation. Ershler WB, et al. **Exp Gerontol** 1986;21(1):45–53
Role of the spleen in cell-mediated immunity. I. Abolition of specific sensitization to the H-Y antigen in female C57BL mice. Mazur-Kolecka B. **Folia Biol (Krakow)** 1985; 33(3-4):167–75
Role of the spleen in cell-mediated immunity. II. The effect of syngeneic spleen cells on transplantation reactivity to the H-Y antigen in splenectomized female mice. Mazur-Kolecka B. **Folia Biol (Krakow)** 1985; 33(3-4):177–86
Role of the spleen in cell-mediated immunity. III. Effect of syngeneic spleen implantations on transplantation reactivity to the H-Y antigen in splenectomized female mice. Mazur-Kolecka B. **Folia Biol (Krakow)** 1985; 33(3-4):187–93
Islet transplantation in experimental diabetes of the rat. X. Induction of cytotoxic antibodies and islet-cell-surface-antibodies after homologous islet transplantation in rats. Zekorn T, et al. **Horm Metab Res** 1985 Oct;17(10):541–3
Eleventh annual meeting of the American Society for Histocompatibility and Immunogenetics. Abstracts. **Hum Immunol** 1985 Oct;14(2):103–94
Corneal allografts induce cytotoxic T cell but not delayed hypersensitivity responses in mice. Peeler J, et al. **Invest Ophthalmol Vis Sci** 1985 Nov;26(11):1516–23
Endocrine function after immunosuppression of pancreatic allograft by ionizing irradiation in the primate. Du Toit DF, et al. **J Surg Oncol** 1986 May;32(1):1–7
Variable expression of major histocompatibility antigens: role in transplantation immunology. Koene RA, et al. **Kidney Int** 1986 Jul;30(1):1–8 (126 ref.)
Acute cutaneous graft-versus-host disease to minor histocompatibility antigens in a murine model. Evidence that large granular lymphocytes are effector cells in the immune response. Guillén FJ, et al. **Lab Invest** 1986 Jul; 55(1):35–42
Immunologically privileged sites in transplantation immunology and oncology. Head JR, et al. **Perspect Biol Med** 1985 Autumn;29(1):115–31
Modification of immunogenicity of transfusion products. Deeg HJ. **Prog Clin Biol Res** 1986;211:117–27
Cancer is a complication of severe immunosuppression. Penn I. **Surg Gynecol Obstet** 1986 Jun;162(6):603–10 (53 ref.)
Rhesus immunization after Rh-incompatible kidney transplantation. Brodthagen UA, et al. **Tissue Antigens** 1986 Feb;27(2):102–5
Proceedings of an international symposium on monitoring and manipulation in autoimmune disease and organ transplantation. July 28–31, 1985, Chateau Montebello, Canada. **Transplant Proc** 1986 Aug;18(4):623–921
First International Symposium on Relevant Immunological Factors in Clinical Kidney Transplantation. Heidelberg, F.R. Germany, June 19–21, 1985. **Transplant Proc** 1985 Dec;17(6):2175–827
Thirteenth congress of the Scandinavian Transplantation Society. Stockholm, May 8–10, 1985. **Transplant Proc** 1986 Feb;18(1):1–131
Fourth annual meeting of the Canadian Transplantation Society. **Transplant Proc** 1986 Feb;18(1):135–234
Suppression of antigraft immunity by preimmunization. IV. Persistence by long-lived recirculating suppressor T cells. Bril H, et al. **Transplantation** 1985 Oct;40(4):417–21
Lymphoid cell chimerism and transplantation tolerance induced by bursal and postbursal cells. Lehtonen L, et al. **Transplantation** 1985 Oct;40(4):398–404
Drug-induced tolerance to allografts in mice. VIII. Effects of thymectomy and/or splenectomy on tolerance induction in an H-2-haplotype-identical strain combination. Mayumi H, et al. **Transplantation** 1985 Oct;40(4):438–41
[Suppressor action of the liver in the graft vs. host reaction] Divanian Kh. **Eksp Med Morfol** 1985;24(2):25–30 (Eng. Abstr.) **(Bul)**
[Prevention of graft versus host disease by in vitro immunodepletion of the graft] Maraninchi D. **Nouv Rev Fr Hematol** 1985;27(6):349–50 **(Fre)**
[Association of thrombopenia due to platelet alloimmunization with galactosemia in the neonatal period] Vanlieferinghen P, et al. **Pediatrie** 1985 Jun;40(4):305–8 (Eng. Abstr.) **(Fre)**
[Immune reactions following keratoplasty] Severin M. **Klin Monatsbl Augenheilkd** 1986 Mar;188(3):200–8 (Eng. Abstr.) **(Ger)**
[Immunologic aspects of kidney transplantation] Frei D, et al. **Ther Umsch** 1986 Feb;43(2):133–7 (Eng. Abstr.) **(Ger)**
[Sero-epidemiological results in subjects receiving a renal transplant] Rivanera D, et al. **Boll Ist Sieroter Milan** 1985; 64(3):240–3 (Eng. Abstr.) **(Ita)**
[Immunological studies on renal transplantation in rats. Effects of pretransplant blood transfusion on renal graft survival] Ueda H. **Hinyokika Kiyo** 1985 Dec;31(12):2169–82 (Eng. Abstr.) **(Jpn)**
[Immunological monitoring in renal transplantation. II. Lymphocyte electrophoretic test and lymphocyte subset analysis] Ihara H, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Mar;77(3):456–65 (Eng. Abstr.) **(Jpn)**
[Immunological monitoring in renal transplantation. I. Fundamental study on lymphocyte electrophoresis] Ihara H, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Mar; 77(3):448–55 (Eng. Abstr.) **(Jpn)**
[Bone marrow transplantation in children. II. Immunologic aspects] Muranaka S, et al. **Nippon Ketsueki Gakkai Zasshi** 1985 Aug;48(5):1176–86 (Eng. Abstr.) **(Jpn)**
[The role of HLA in bone marrow transplantation] Harada M, et al. **Rinsho Ketsueki** 1985 Dec;26(12):1927–35 (46 ref.) **(Jpn)**
[Detection of HLA-Bw4 antibody in an alloimmunized patient with nonlymphocytic leukemia] Ryo R, et al. **Rinsho Ketsueki** 1985 Dec;26(12):1974–8 (Eng. Abstr.) **(Jpn)**
[Delayed hypersensitivity reaction to rat xenoantigens in mice] Liadova IV, et al. **Biull Eksp Biol Med** 1985 Dec; 100(12):762–5 (Eng. Abstr.) **(Rus)**
[Heat lymphocytotoxins as an index of pre-existing sensitization (presensitization) in recipients] Volokova RIa, et al. **Gematol Transfuziol** 1986 Apr;31(4):29–32 (Eng. Abstr.) **(Rus)**
[Current problems of heart transplantation in humans (review of the literature)] Golikova SD, et al. **Khirurgiia (Mosk)** 1986 Jun;(6):142–6 (24 ref.) **(Rus)**
[Various aspects of the immune reaction after allotransplantation of the cornea] Mitov TV. **Oftalmol Zh** 1985;(8):500–2 (Eng. Abstr.) **(Rus)**
[Gradually diminishing tumor protection caused by reimplants] Manuel Piniés L, et al. **Rev Esp Oncol** 1984; 31(2):331–7 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Immunogenicity of glutaraldehyde-treated bovine pericardial tissue xenografts in rabbits. Salgaller ML, et al. **J Biomed Mater Res** 1985 Jan;19(1):1–12
Cyclosporine: preliminary experience in 79 patients with renal transplants. Tellis VA, et al. **NY State J Med** 1985 Sep;85(9):531–4
[immunosuppression following kidney transplantation using antilymphocyte globulin followed by treatment with cyclosporin. A prospective study] Grundmann R, et al. **Dtsch Med Wochenschr** 1986 Apr 25;111(17):659–64 (Eng. Abstr.) **(Ger)**
[Heart transplantation] Hetzer R, et al. **Internist (Berlin)** 1985 Sep;26(9):563–8 **(Ger)**
[Cyclosporin in allogeneic bone marrow transplantation] Klingemann HG, et al. **Internist (Berlin)** 1985 Sep; 26(9):569–74 **(Ger)**
[Cyclosporin in kidney transplantation] Land W, et al. **Internist (Berlin)** 1985 Sep;26(9):549–52 **(Ger)**
[Progress in pancreas transplantation with cyclosporin] Landgraf R, et al. **Internist (Berlin)** 1985 Sep;26(9):557–62 **(Ger)**
[Cyclosporin A in liver transplantation] Pichlmayr R, et al. **Internist (Berlin)** 1985 Sep;26(9):553–6 **(Ger)**
[Side effects of cyclosporin following kidney transplantation and in patients with autoimmune diseases] von Graffenried B, et al. **Internist (Berlin)** 1985 Sep;26(9):542–8 **(Ger)**
[Pharmacokinetics of cyclosporin A and the significance of

blood levels for therapy] Wonigeit K. **Internist (Berlin)** 1985 Sep;26(9):534–41 (Ger)

[Cardiovascular system transplantation. 7-2. Immunological effects of cyclosporine on canine ectopic heart transplantation] Mizuochi I, et al. **Nippon Rinsho** 1985 Jul; 43(7):1513–6 (Jpn)

RADIATION EFFECTS

Total body irradiation for allogeneic bone marrow transplantation in acute leukemia: a co-operative study from the TBI Subcommittee in Japan. Inoue T, et al. **Strahlenther Onkol** 1986 Feb;162(2):100–4

TRANSPLANTATION, ISOGENEIC

Hematologic and cytogenetic remission of 5q-refractory anemia after syngeneic bone marrow transplantation. Stuart RK, et al. **Am J Med** 1986 Mar;80(3):503–7

The role of cytostasis in antitumor immunity: comparison between syngeneic and allogeneic systems. Mitani M, et al. **Cell Immunol** 1985 Apr 15;92(1):22–30

Genetic studies on natural resistance to Moloney lymphoma (YAC) isografts. II. Selective introduction of resistance genes, derived from C57BL/6 or CBA, to strain A/Sn background. Ahrlund-Richter L, et al. **Immunogenetics** 1985;22(5):517–22

The effect of hyperglycemia on isolated rodent islets transplanted to the kidney capsule site. Gray DW, et al. **Transplantation** 1986 Jun;41(6):699–703

HISTORY

Renal transplantation between identical twins: a review. Tilney NL. **World J Surg** 1986 Jun;10(3):381–8 (18 ref.)

[The first successful transplantation of the kidney—already a part of the history of medicine] Towpik E, et al. **Wiad Lek** 1985 Dec 15;38(24):1751–8 (Eng. Abstr.) (Pol)

METHODS

The status of bone marrow transplantation for leukemia. McGlave PB. **Hosp Pract [Off]** 1985 Nov 15;20(11):97–110

TRANSPLANTATION, SYNGENEIC see **TRANSPLANTATION, ISOGENEIC**

TRANSPORT, BIOLOGICAL see **BIOLOGICAL TRANSPORT**

TRANSPORT OF WOUNDED AND SICK see **TRANSPORTATION OF PATIENTS**

TRANSPORT PROTEINS see **CARRIER PROTEINS**

TRANSPORTATION

Characteristics of hazardous material spills from reporting systems in California. Shaw GM, et al. **Am J Public Health** 1986 May;76(5):540–3

A further study of air pollution in diesel bus garages. Waller RE, et al. **Br J Ind Med** 1985 Dec;42(12):824–30

How safe are three-wheeled recreational vehicles? [letter] Hardy P. **Can Med Assoc J** 1986 Jan 1;134(1):15–6

ATVs: a new safety hazard? Michaels E. **Can Med Assoc J** 1986 Mar 1;134(5):540–2

The influence of transportation on the induction of estrus in gilts of different ages. Stephens DB, et al. **Cornell Vet** 1986 Jul;76(3):266–76

Vibration and comfort: vertical and lateral motion in the range 0.5 to 5.0 Hz. Corbridge C, et al. **Ergonomics** 1986 Feb;29(2):249–72

Slipping, tripping and falling accidents to delivery drivers. Nicholson AS, et al. **Ergonomics** 1985 Jul;28(7):977–91

The relation between clothing thickness and cooling during motorcycling. Woods RI. **Ergonomics** 1986 Mar; 29(3):455–62

Transporting large animals—some legal considerations. Hannah HW. **J Am Vet Med Assoc** 1985 Oct 1;187(7):698

The effect of pre-fast diet and transport on nitrogen metabolism of calves. Cole NA, et al. **J Anim Sci** 1986 Jun;62(6):1719–31

Effects of receiving and growing diets on compensatory gains of stressed calves. Lofgreen GP, et al. **J Anim Sci** 1985 Aug;61(2):320–8

Three-wheelers—unsafe? Grimes HA. **J Arkansas Med Soc** 1985 Sep;82(4):188

Influence of truck transportation of calves on their cellular immune function. Murata H, et al. **Nippon Juigaku Zasshi** 1985 Oct;47(5):823–7

School bus safety [letter] Spital M. **NY State J Med** 1986 Jan;86(1):29–30

Spinal cord injury associated with all-terrain vehicle accidents. Sneed RC, et al. **Pediatrics** 1986 Mar;77(3):271–4

Transportation issues in nuclear medicine and the release of radioactivity into the environment. Westerman BR. **Semin Nucl Med** 1986 Jul;16(3):191–7

Sea transport of livestock [letter] D'Silva J. **Vet Rec** 1986 Jul 5;119(1):24

Prolapsed proventriculus in dead chicks after air shipment [letter] Sheikh-Omar AR, et al. **Vet Rec** 1985 Aug 10; 117(6):134–5

[Pollution of the outdoor air. Sources, emissions, trends, smog episodes, transportation, areas of concentration] Lahmann E. **Schriftenr Ver Wasser Boden Lufthyg** 1985;65:9–17 (Ger)

[Prevalence of arterial hypertension and organization of preventive measures at motor transport enterprises] El'garov AA. **Gig Tr Prof Zabol** 1985 Dec;(12):9–12 (Eng. Abstr.) (Rus)

ECONOMICS

Road casualties and public transport fares in London. Allsop RE, et al. **Accid Anal Prev** 1986 Apr;18(2):147–56

METHODS

Broken necks in passengers in London taxi accidents. Richards PG, et al. **Br Med J [Clin Res]** 1986 May 10; 292(6530):1239

Temperature variations in eyebank containers: comparative study of corneal transport containers and packing methods. York KK, et al. **Cornea** 1985–86;4(1):51–7

Sea transport of livestock [letter] de Aluja AS. **Vet Rec** 1986 Jun 14;118(24):675–6

STANDARDS

Do motorcycles 'wobble' in the USA too? [letter] Björnstig U. **Am J Public Health** 1986 Mar;76(3):297

Seats on school buses [letter] Kaye BL. **JAMA** 1985 Nov 22–29;254(20):2892

Seats on school buses [letter] Stewart WR 3d. **JAMA** 1986 Mar 28;255(12):1572

[Physiologo-hygienic characteristics of the noise-vibration factor in the workplace of drivers of modern urban buses] Shamin SA. **Gig Tr Prof Zabol** 1985 Sep;(9):36–8 (Rus)

TRANSPORTATION OF PATIENTS

Air transport of critical patients in Alabama. The first four years' experience. Brewer ME, et al. **Ala Med** 1986 Feb; 55(8):25–8

Effects of maternal transport on admission patterns at a tertiary care center. Cowett RM, et al. **Am J Obstet Gynecol** 1986 May;154(5):1098–100

A portable C-Pram circuit [letter] San Juan AC Jr. **Anesthesiology** 1985 Dec;63(6):725

Conjunctival oxygen tension monitoring during helicopter transport of critically ill patients. Abraham E, et al. **Ann Emerg Med** 1986 Jul;15(7):782–6

Safety and helicopter-based programs [letter] Carter GL, et al. **Ann Emerg Med** 1986 Sep;15(9):1117–8

Helicopter downdraft: a wind chill hazard [letter] Poulton TJ. **Ann Emerg Med** 1986 Jan;15(1):103–4

Is the flight physician needed for helicopter emergency medical services? Rhee KJ, et al. **Ann Emerg Med** 1986 Feb;15(2):174–7

Logistics of early management of head and spinal injuries. Simpson DA, et al. **Aust NZ J Surg** 1986 Jul;56(7):585–90

Air transport of the neonate with a congenital diaphragmatic hernia. Tholkes DR. **Aviat Space Environ Med** 1986 Feb; 57(2):183–5

High altitude haemofiltration. Stevens PE, et al. **Br Med J [Clin Res]** 1986 May 24;292(6532):1354

Portable intraaortic balloon counterpulsation: clinical experience and guidelines for use. Gottlieb SO, et al. **Cathet Cardiovasc Diagn** 1986;12(1):18–22

Safety of helicopter transport and out-of-hospital intravenous fibrinolytic therapy in patients with evolving myocardial infarction. Topol EJ, et al. **Cathet Cardiovasc Diagn** 1986;12(3):151–5

Cardiovascular changes during transport of critically ill and postoperative patients. Insel J, et al. **Crit Care Med** 1986 Jun;14(6):539–42

Intra- or extrauterine transport? Comparison of neonatal outcomes using a logistic model. Kollée LA, et al. **Eur J Obstet Gynecol Reprod Biol** 1985 Dec;20(6):393–9

Interhospital transfer of a critically ill patient [clinical conference] **J Emerg Med** 1985;3(1):53–8

Rapid nighttime evacuation of a veterans hospital. Blaser MJ, et al. **J Emerg Med** 1985;3(5):387–94

Helicopter evacuations [letter] Jablonowski AJ. **JAMA** 1985 Oct 11;254(14):1905

The chain of medical responsibility in battlefield medicine. Dolev E, et al. **Milit Med** 1985 Sep;150(9):471–5

Emergency evacuation of the Denver Veteran's Administration Medical Center. Fisher HL. **Milit Med** 1986 Mar;151(3):154–61

Trauma injuries. Triage and stabilization for safe transfer. Moylan JA. **Postgrad Med** 1985 Oct;78(5):166–71, 174–5, 177

Donor transportation. Bouffard MC, et al. **Transplant Proc** 1985 Dec;17(6 Suppl 3):67–9

[Advisability of medical transportation for x-ray computed tomography in cases of neonatal brain lesions] Hervé C, et al. **Ann Pediatr (Paris)** 1986 May;33(5):395–9 (Eng. Abstr.) (Fre)

[Medical transfers in pediatric oncology. Reflections apropos of economic, technical and ethical problems (Oran 1977–1983)] Aguercif M, et al. **Arch Fr Pediatr** 1986 Feb; 43(2):141–6 (Eng. Abstr.) (Fre)

[Hospitals transfers of children of Maghreb countries. Reflections on current problems and short- and long-term solutions] Tursz A, et al. **Arch Fr Pediatr** 1985 Dec; 42(10):867–72 (Eng. Abstr.) (Fre)

[Mechanical stress of newborn infants caused by incubator transport] Boenisch H, et al. **Monatsschr Kinderheilkd** 1985 Jul;133(7):471–5 (Eng. Abstr.) (Ger)

[First aid on the island of Ponza: emerging problems and relations to air rescue] Crucitti F, et al. **Riv Med Aeronaut Spaz** 1983 Jan–Dec;48(1–4):31–42 (Eng. Abstr.) (Ita)

[Role of the Air Force Medical Service in the activities of air rescue and emergency air transportation of the sick and severely injured] Rotondo G. **Riv Med Aeronaut Spaz** 1983 Jan–Dec;48(1–4):7–30 (Eng. Abstr.) (Ita)

[Transport splint for the leg] Parshutin GE, et al. **Med Tekh** 1985 Nov–Dec;(6):44–5 (Rus)

[The need for coordinating medical emergencies (letter)] Subirats Bayegoi E, et al. **Med Clin (Barc)** 1985 Nov 30; 85(18):773 (Spa)

ECONOMICS

Impact of prospective payments on a tertiary care center receiving large numbers of critically ill patients by aeromedical transport. Thomas F, et al. **Crit Care Med** 1986 Mar;14(3):227–30

Economics of neonatal back transport in South Carolina. Pittard WB 3d. **J SC Med Assoc** 1986 Jun;82(6):397–8

HISTORY

Strategic aeromedical evacuation: the inaugural flight. Barger J. **Aviat Space Environ Med** 1986 Jun;57(6):613–6

The first recorded aeromedical evacuation in the British Army—the true story. Dolev E. **J R Army Med Corps** 1986 Feb;132(1):34–6

[Evacuation hospitals of the People's Commissariat of Public Health of the USSR] Belyi AD. **Sov Zdravookhr** 1986; (3):42–4 (Rus)

[Use of hospital ships for medical and evacuation services in the military forces of the United States during the Vietnam war] Konovalov VD, et al. **Voen Med Zh** 1986 Jun;(6):78–80 (Rus)

METHODS

Paediatric retrievals in South Australia. Sweeney DB, et al. **Anaesth Intensive Care** 1985 Nov;13(4):410–4

Rural interhospital helicopter transport of motor vehicle trauma victims: causes for delays and recommendations. Leicht MJ, et al. **Ann Emerg Med** 1986 Apr;15(4):450–3

Transport of critically ill adults. Ehrenwerth J, et al. **Crit Care Med** 1986 Jun;14(6):543–7

Transport system for critically ill patients [letter] Kondo K, et al. **Crit Care Med** 1985 Dec;13(12):1081–2

Use of the mobilizer in the care of acute spinal injuries. Brackett TO. **Surg Neurol** 1986 Apr;25(4):373–4

[Transport of patients with anesthetic expertise between hospitals. A prospective review of patients transported to and from a central hospital over a 4-year period] Toft P, et al. **Ugeskr Laeger** 1986 Feb 3;148(6):351–3 (Eng. Abstr.) (Dan)

[Status and outlook for the development of transportation facilities in therapeutic institutions] Liokumovich AKh, et al. **Med Tekh** 1985 Jul–Aug;(4):46–9 (Rus)

[Outcome of the treatment of victims of traffic accidents with multiple and combined injuries delivered to the hospital by chance transportation] Trubnikov VF, et al. **Ortop Travmatol Protez** 1985 Sep;(9):12–6 (Eng. Abstr.) (Rus)

STANDARDS

Performance of aeromedical crewmembers: training or experience? Harris BH. **Am J Emerg Med** 1986 Sep; 4(5):409–11

Therapeutic intervention scoring as a measure of performance in a helicopter emergency medical services program. Rhee KJ, et al. **Ann Emerg Med** 1986 Jan; 15(1):40–3

Air ambulance regulations: a model. Thomas F, et al. **Aviat Space Environ Med** 1986 Jul;57(7):699–705

Neonatal stabilization score. A quantitative method of auditing medical care in transported newborns weighing less than 1,000 g at birth. Ferrara A, et al. **Med Care** 1986 Feb;24(2):179–87

TRANSPOSABLE ELEMENTS see **DNA INSERTION ELEMENTS**

TRANSPOSITION OF GREAT VESSELS

COMPLICATIONS

Rhythm and conduction disturbances in isolated, congenitally corrected transposition of the great arteries. Daliento L, et al. **Am J Cardiol** 1986 Aug 1;58(3):314–8

Left pulmonary vein stenosis associated with transposition of the great arteries. Pappas G. **Ann Thorac Surg** 1986 Feb; 41(2):208–9

Repair of corrected transposition associated with ventricular septal defect and pulmonary stenosis. Vargas FJ, et al. **Ann Thorac Surg** 1985 Nov;40(5):509–11

Congenitally corrected transposition of the great arteries associated with the pre-excitation syndrome. Nakajima K, et al. **Clin Nucl Med** 1986 Aug;11(8):564–7

Aortic intramural coronary artery in three hearts with transposition of the great arteries. Gittenberger-de Groot AC, et al. **J Thorac Cardiovasc Surg** 1986 Apr;91(4):566-71

Double outlet right ventricle and left-sided aorta. A previously undescribed association with cor triatriatum and double right ventricular chamber. Büchler JR, et al. **Jpn Heart J** 1986 Jan;27(1):117-22

Taussig-Bing anomaly and coarctation of the aorta in infancy: surgical options. Sadow SH, et al. **Pediatr Cardiol** 1985;6(2):83-9

Almost total absence of the left ventricular myocardium with dextro-transposition of the great arteries. Salazar J, et al. **Pediatr Cardiol** 1986;6(5):283-5

[Interventricular septal defect in a double-outlet ventricle. Comparison of angiocardiographic findings with autopsy results] Tuma S, et al. **Cesk Radiol** 1986 Feb;40(1):2-10 (Eng. Abstr.) **(Cze)**

[Transatrial closure of ventricular septal defect associated with corrected transposition and pulmonary stenosis] Oguma F, et al. **Kyobu Geka** 1986 Jun;39(6):475-9 (Eng. Abstr.) **(Jpn)**

[A case of double outlet of the main arterial trunks from the left ventricle complicated by thrombotic changes] Maslowska E, et al. **Pediatr Pol** 1985 Nov-Dec; 60(11-12):806-10 **(Pol)**

[Tricuspid atresia in double outlet right ventricle. Report of 2 cases and proposal for a new classification] Fontes V, et al. **Arq Bras Cardiol** 1985 Feb;44(2):111-5 (Eng. Abstr.) **(Por)**

[Case of corrected transposition of the aorta and pulmonary artery associated with multiple defects of the interventricular septum] Garibian VA, et al. **Vestn Rentgenol Radiol** 1986 Jan-Feb;(1):80-1 **(Rus)**

DIAGNOSIS

Similarity of anomalous origin of right pulmonary artery from the ascending aorta to d-transposition of the great arteries: 2D echographic and Doppler study. Jureidini S, et al. **Am Heart J** 1986 Jul;112(1):175-6

Attenuated pulmonary vascular obstructive disease in double-outlet right ventricle and mitral stenosis. Westerman GR, et al. **Ann Thorac Surg** 1986 Jun; 41(6):664-6

Echocardiographic diagnosis of anatomically corrected malposition of the great arteries. Shani E, et al. **Cardiology** 1986;73(2):101-5

Severe obstruction to systemic blood flow in congenitally corrected transposition (discordant atrioventricular and ventriculo-arterial connexions): an analysis of 14 patients. Craig BG, et al. **Int J Cardiol** 1986 May;11(2):209-17

[Ultrasonic anatomy of the fetal heart and great vessels] Varga P, et al. **Orv Hetil** 1986 Mar 23;127(12):689-92 (Eng. Abstr.) **(Hun)**

MORTALITY

Complete transposition in Finland. Louhimo I. **Int J Cardiol** 1985 Nov;9(3):261-5

PATHOLOGY

Ventricular septal defect with normally connected and with transposed great arteries. Moene RJ, et al. **Am J Cardiol** 1986 Sep 15;58(7):627-32

Calcified thrombus of the inferior vena cava in transposition of the great vessels. Velasquez G, et al. **Cardiovasc Intervent Radiol** 1986;9(1):19-21

Recurrent myocardial infarction and unexpected sudden death in a case of d-loop d-transposition of the great arteries associated with single coronary artery. Imamura T, et al. **Clin Cardiol** 1986 Feb;9(2):77-81

Two-dimensional echocardiography in complete transposition of the great arteries. Celano V, et al. **G Ital Cardiol** 1985 Nov;15(11):1066-73

Double outlet right ventricle: an unusual variant with overriding of both great arteries, absent outlet septum and mitral-to-aortic-to-pulmonary valve continuity. Ueda M, et al. **Int J Cardiol** 1986 Aug;12(2):155-64

Infundibular septum and coronary anatomy in Jatene operation. Kurosawa H, et al. **J Thorac Cardiovasc Surg** 1986 Apr;91(4):572-83

Surgical anatomy of the infundibular septum in transposition of the great arteries with ventricular septal defect. Kurosawa H, et al. **J Thorac Cardiovasc Surg** 1986 Jan; 91(1):123-32

Hypoplasia of the intrapulmonary arteries in children with right ventricular outflow tract obstruction, ventricular septal defect, and major aortopulmonary collateral arteries. Johnson RJ, et al. **Pediatr Cardiol** 1985;6(3):137-43

Architecture of the ventricular mass and atrioventricular valves in complete transposition with intact septum compared with the normal: I. The left ventricle, mitral valve, and interventricular septum. Smith A, et al. **Pediatr Cardiol** 1986;6(5):253-7

Architecture of the ventricular mass and atrioventricular valves in complete transposition with intact septum compared with the normal: II. The right ventricle and tricuspid valve. Smith A, et al. **Pediatr Cardiol** 1986; 6(6):299-305

Ventricular inversion and tricuspid atresia (VITA complex): long survival without surgical treatment. Tazelaar HD, et al. **Pediatr Cardiol** 1986;6(4):187-91

Morphological observations following "anatomical correction" for abnormal ventriculo-arterial connection. Rossi MB, et al. **Thorac Cardiovasc Surg** 1985 Aug; 33(4):210-4

[Congenitally corrected transposition of the great arteries without any associated defects in a long-lived man] Nakajima K, et al. **Nippon Naika Gakkai Zasshi** 1986 Jan; 75(1):89-97 **(Jpn)**

[Malposition of the great arteries. Is this term a valid one?] Attie F, et al. **Arch Inst Cardiol Mex** 1986 Mar-Apr; 56(2):117-22 (Eng. Abstr.) **(Spa)**

[Crossed atrioventricular connection with straddling of the right atrioventricular valve] Ledesma Velasco M, et al. **Arch Inst Cardiol Mex** 1985 May-Jun;55(3):221-5 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

LV outflow tract obstruction in complete transposition of great arteries [letter] Glaser J, et al. **Am Heart J** 1985 Dec; 110(6):1314-7

Incoordinate contraction and relaxation in d-transposition of the great arteries with intact ventricular septum—analyses of pressure-dimension relations. Hausdorf G, et al. **Basic Res Cardiol** 1986 Mar-Apr; 81(2):134-41

Wall thickness, cavity dimensions, and myocardial contractility of the left ventricle in patients with simple transposition of the great arteries. A multicenter study of patients from 10 to 20 years of age. Carceller AM, et al. **Circulation** 1986 Apr;73(4):622-7

Blood flow pattern of the interatrial communication in patients with complete transposition of the great arteries: a pulsed Doppler echocardiographic study. Satomi G, et al. **Circulation** 1986 Jan;73(1):95-9

Global and regional right ventricular function in normal infants and infants with transposition of the great arteries after Senning operation. Trowitzsch E, et al. **Circulation** 1985 Nov;72(5):1008-14

Clinical and investigative profile of isolated congenitally corrected transposition of great arteries. Nanavati PR, et al. **Indian Heart J** 1985 Sep-Oct;37(5):315-8

Doppler and two-dimensional echocardiographic observations of systolic anterior motion of the mitral valve in d-transposition of the great arteries: an explanation of the left ventricular outflow tract gradient. Moro E, et al. **J Am Coll Cardiol** 1986 Apr;7(4):889-93

Right and left ventricular volume characteristics in children with transposition of the great arteries after Mustard's procedure. Shimazaki Y, et al. **Jpn Circ J** 1985 Jul; 49(7):679-84

[Right and left ventricular function in transposition of the great arteries before and after the Mustard procedure] Shimazaki Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Mar;34(3):365-70 (Eng. Abstr.) **(Jpn)**

[Intracardiac hemodynamics in patients with different forms of complete transposition of the major vessels] Alekian BG, et al. **Kardiologiia** 1985 Dec;25(12):30-6 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Transposition of the great arteries—diagnosis. Carminati M. **Ala J Med Sci** 1986 Apr;23(2):155-60

The right ventricular outflow pouch with double-chambered right ventricle. Folger GM Jr, et al. **Am Heart J** 1986 Aug; 112(2):423-4

Superoinferior ventricular heart with situs inversus, levo-loop and dextro-malposition (I,L,D), and double-outlet right ventricle: a case report. Yamagishi M, et al. **J Thorac Cardiovasc Surg** 1986 Apr;91(4):633-7

[Angiocardiographic diagnosis. Transposition of the great vessels] Villavicencio R, et al. **Bol Asoc Med PR** 1986 Mar; 78(3):106-8 **(Spa)**

[Diagnostic angiocardiography. Double outlet right ventricle] Villavicencio R, et al. **Bol Asoc Med PR** 1985 Sep;77(9):383-4 **(Spa)**

RADIONUCLIDE IMAGING

Radionuclide measurement of right ventricular function in atrial septal defect, ventricular septal defect and complete transposition of the great arteries. Baker EJ, et al. **Am J Cardiol** 1986 May 1;57(13):1142-6

Radionuclide angiographic evaluation of ventricular function in isolated congenitally corrected transposition of the great arteries. Benson LN, et al. **Am J Cardiol** 1986 Aug 1; 58(3):319-24

Congenitally corrected transposition in the adult: detection by radionuclide angiocardiography [letter] Daves ML, et al. **Radiology** 1986 Sep;160(3):854-5

Congenitally corrected transposition in the adult: detection by radionuclide angiocardiography. Guit GL, et al. **Radiology** 1985 Nov;157(2):521-7

SURGERY

Corrected transposition of the great arteries: evaluation by two-dimensional and Doppler echocardiography. Meissner MD, et al. **Am Heart J** 1986 Mar;111(3):599-601

Effect of intense aerobic training on exercise performance in children after surgical repair of tetralogy of Fallot or complete transposition of the great arteries. Bradley LM, et al. **Am J Cardiol** 1985 Nov 1;56(12):816-8

Hemodynamic and electrophysiologic results of the Senning procedure for transposition of the great arteries. Byrum CJ, et al. **Am J Cardiol** 1986 Jul 1;58(1):138-42

Balloon and blade atrial septostomy facilitated by two-dimensional echocardiography. Lin AE, et al. **Am J Cardiol** 1986 Feb 1;57(4):273-7

Communicating hydrocephalus: a reversible complication of the Mustard operation with serial hemodynamics and long-term follow-up. Dillon T, et al. **Ann Thorac Surg** 1986 Feb;41(2):146-9

Aortic translocation and biventricular outflow tract reconstruction in an infant. Al-Halees ZY, et al. **Ann Thorac Surg** 1986 Jul;42(1):100-1

Complete atrioventricular canal associated with tetralogy of Fallot or double-outlet right ventricle and right ventricular outflow tract obstruction: a report of successful surgical treatment. He GW, et al. **Ann Thorac Surg** 1986 Jun; 41(6):612-5

Anatomic correction of double-outlet right ventricle with subpulmonary ventricular septal defect (the "Taussig-Bing" anomaly). Kanter K, et al. **Ann Thorac Surg** 1986 Mar; 41(3):287-92

Beneficial preparatory aortopulmonary shunt for anatomical repair of transposition of the great arteries with intact ventricular septum. Nakano H, et al. **Ann Thorac Surg** 1985 Nov;40(5):512-5

Baffle obstruction [letter] Stark J, et al. **Ann Thorac Surg** 1986 Feb;41(2):231-2

The midterm and long-term results of the Mustard operation in patients with transposition of the great vessels and dynamic left ventricular outflow tract obstruction. Stewart S, et al. **Ann Thorac Surg** 1986 Mar;41(3):272-5

Baffle obstruction after the Mustard operation [letter] Williams WG, et al. **Ann Thorac Surg** 1985 Oct;40(4):416-7

A new device for slow progressive narrowing of vessels. Lange PE, et al. **Basic Res Cardiol** 1985 Jul-Aug; 80(4):430-5

Computer assisted echocardiographic assessment of left ventricular function before and after anatomical correction of transposition of the great arteries. Arensman FW, et al. **Br Heart J** 1986 Feb;55(2):162-7

Abnormalities of the mitral valve in congenitally corrected transposition (discordant atrioventricular and ventriculoarterial connections). Gerlis LM, et al. **Br Heart J** 1986 May;55(5):475-9

Doppler echocardiography after anatomical correction of transposition of the great arteries. Gibbs JL, et al. **Br Heart J** 1986 Jul;56(1):67-72

Up to 7 years of follow-up after two-stage anatomic correction of simple transposition of the great arteries. Lange PE, et al. **Circulation** 1986 Sep;74(3 Pt 2):I47-52

Intraventricular tunnel repair for Taussig-Bing heart and related cardiac anomalies. Pacifico AD, et al. **Circulation** 1986 Sep;74(3 Pt 2):I53-60

Pulsed Doppler echocardiographic assessment of the pulmonary venous pathway after the Mustard or Senning procedure for transposition of the great arteries. Smallhorn JF, et al. **Circulation** 1986 Apr;73(4):765-74

Hemoptysis following mustard repair: a late complication [letter] Bessinger FB Jr. **Clin Cardiol** 1986 Jan;9(1):38-9

Long-term results of the "palliative" Mustard operation. Dhasmana JP, et al. **J Am Coll Cardiol** 1985 Nov; 6(5):1138-41

Use of cardiac pacing after the Mustard operation for transposition of the great arteries. Gillette PC, et al. **J Am Coll Cardiol** 1986 Jan;7(1):138-41

Arrhythmias after the Mustard operation for transposition of the great arteries: a long-term study. Hayes CJ, et al. **J Am Coll Cardiol** 1986 Jan;7(1):133-7

Obstruction of right ventricular inflow and outflow in corrected transposition of the great arteries (S,L,L): two-dimensional echocardiographic diagnosis. Marino B, et al. **J Am Coll Cardiol** 1986 Aug;8(2):407-11

Atrial dissociation: an electrophysiologic finding in a patient with transposition of the great arteries. Stark SI, et al. **J Am Coll Cardiol** 1986 Jul;8(1):236-8

The Blalock-Taussig shunt for simple complete transposition of the great arteries followed by later anatomic correction. Report of 2 cases with conflicting postoperative courses. Aoshima M, et al. **J Cardiovasc Surg (Torino)** 1986 Jul-Aug; 27(4):503-5

Transposition of the great arteries in the neonate: failed balloon atrial septostomy. Turley K, et al. **J Cardiovasc Surg (Torino)** 1985 Nov-Dec;26(6):564-7

Assessment of coronary and aortic anastomoses after anatomic correction of transposition of the great arteries. Arensman FW, et al. **J Thorac Cardiovasc Surg** 1985 Oct; 90(4):597-604

Correction of Taussig-Bing malformation by intraventricular conduit. Doty DB. **J Thorac Cardiovasc Surg** 1986 Jan; 91(1):133-8

Anatomic correction for complete transposition and double-outlet right ventricle. Kanter KR, et al. **J Thorac Cardiovasc Surg** 1985 Nov;90(5):690-9

Severe right ventricular failure after Mustard or Senning operation. Two-stage repair: pulmonary artery banding and switch. Mee RB. **J Thorac Cardiovasc Surg** 1986 Sep;92(3 Pt 1):385-90

The arterial switch operation. An eight-year experience. Quaegebeur JM, et al. **J Thorac Cardiovasc Surg** 1986 Sep; 92(3 Pt 1):361-84

Bilateral phrenic nerve paralysis after the Mustard procedure. Experience with four cases and recommendations for

management. Stewart S, et al.
J Thorac Cardiovasc Surg 1986 Jul;92(1):138–41
Naturally corrected double-outlet right ventricle with biventricular outflow tract obstruction. Zusman DR, et al.
J Thorac Cardiovasc Surg 1986 Jul;92(1):155–9
An unusual complication of a conduit-mounted homograft: valve leaflet fixation in the open position. Alpert BS, et al. **Pediatr Cardiol** 1985;6(3):175–6
Magnetic resonance imaging of rerouted pulmonary blood flow. Soulen RL, et al. **Radiol Clin North Am** 1985 Dec; 23(4):737–44
Surgery for transposition of the great arteries: recent experience in the west of Scotland. Smith G, et al.
Scott Med J 1985 Oct;30(4):216–9
Cardiac rhythm and conduction after two-stage anatomic correction of simple transposition of the great arteries. Lange PE, et al. **Thorac Cardiovasc Surg** 1986 Feb; 34(1):22–4
The importance of colloid osmotic pressure during open heart surgery in infants. Haneda K, et al. **Tohoku J Exp Med** 1985 Sep;147(1):65–71
Sensing operation for transposition of the great arteries. Aytaç A, et al. **Turk J Pediatr** 1985 Jul–Sep;27(3):161–8
Double-outlet right ventricle. Morphological definition and surgical correction. Sarioğlu T, et al. **Turk J Pediatr** 1985 Jul–Sep;27(3):147–59
[Surgical treatment of double-outlet right ventricle with pulmonary stenosis] Wang ZW, et al.
Chung Hua Hsin Hsueh Kuan Ping Tsa Chih 1986 Apr; 14(2):69–72, 125 (Eng. Abstr.) (Chi)
[The Senning corrective operation for transposition] Hučín B. **Rozhl Chir** 1986 Apr;65(4):232–7 (Eng. Abstr.) (Cze)
[Arrhythmia after atrial correction of transposition of the great vessels. Holter recording study of 123 surgically treated patients] Lucet V, et al. **Arch Mal Coeur** 1986 May; 79(5):640–7 (Eng. Abstr.) (Fre)
[Results of anatomical correction of simple transposition of the great vessels in 46 newborn infants] Sidi D, et al.
Arch Mal Coeur 1986 May;79(5):693–9 (Eng. Abstr.) (Fre)
[Intensive therapeutic problems in children following functional correction of dextrotransposition of the large arteries (the Senning atrial reversal operation)] Adam H, et al. **Anaesthesiol Reanim** 1986;11(3):161–8 (Eng. Abstr.) (Ger)
[Transposition of great vessels] De Tommasi SM, et al.
Cardiologia 1985 Nov;30(11):1063–9 (Ita)
[Intestinal lymphangiectasis: late complication of transportation of the great vessels corrected by the Mustard technic. A clinical case] Roggero P, et al.
Pediatr Med Chir 1982 Sep–Oct;4(5):543–5 (Eng. Abstr.) (Ita)
[Palliative Senning's operation in a case of TGA type II complicated by thrombocytopenia] Fukuda I, et al.
Kyobu Geka 1986 May;39(5):398–401 (Eng. Abstr.) (Jpn)
[Double outlet right ventricle reconsidered—truncal septation and conotruncal criss-cross] Kurosawa H, et al.
Kyobu Geka 1985 Oct;38(10):774–84 (Eng. Abstr.) (Jpn)
[A case of successful repair of DORV with SDL] Matsumura C, et al. **Kyobu Geka** 1985 Nov;38(11):895–8 (Eng. Abstr.) (Jpn)
[Surgical treatment of complete transposition of great arteries] **Nippon Kyobu Geka Gakkai Zasshi** 1986 May; 34(5):709–24 (Jpn)
[A modified deLeval procedure for the repair of ventricular septal defect associated with congenitally corrected transposition of the great arteries] Abe T, et al.
Nippon Kyobu Geka Gakkai Zasshi 1985 Sep;33(9):1357–63 (Eng. Abstr.) (Jpn)
[Surgical management of complete transposition of the great arteries with large ventricular septal defect—with special reference to perforated patch closure of ventricular septal defect] Fujiwara T, et al.
Nippon Kyobu Geka Gakkai Zasshi 1986 Jan;34(1):23–7 (Eng. Abstr.) (Jpn)
[Surgical management of double aortic arch especially with intracardiac anomalies] Higashidate M, et al.
Nippon Kyobu Geka Gakkai Zasshi 1985 Oct;33(10):1903–9 (Eng. Abstr.) (Jpn)
[A case of successful repair of double outlet right ventricle with atrio-ventricular discordance (I.D.D.), tricuspid regurgitation and pulmonary stenosis] Nakayama K, et al.
Nippon Kyobu Geka Gakkai Zasshi 1986 Jan;34(1):113–7 (Eng. Abstr.) (Jpn)
[The effects of hepatic perfusion pressure on hepatic insufficiency after open heart surgery in congenital heart disease] Onitsuka T, et al.
Nippon Kyobu Geka Gakkai Zasshi 1986 Mar;34(3):336–42 (Eng. Abstr.) (Jpn)
[Postoperative results of double outlet left ventricle—a case report and review of the literature] Wakaki N, et al.
Nippon Kyobu Geka Gakkai Zasshi 1986 Jan;34(1):95–102 (Eng. Abstr.) (Jpn)
[Surgical correction of transposition of the great vessels] Fal'kovskiĭ GE, et al. **Grudn Khir** 1985 Jul–Aug;(4):53–7 (Eng. Abstr.) (Rus)
[Ventriculo-arterial discordance with intact septum. Our surgical experience] Saúl J, et al. **Rev Esp Cardiol** 1985 Jul–Aug;38(4):279–82 (Eng. Abstr.) (Spa)
[Surgery of transposition of the great vessels—experiences from 20-year case material] Malm T, et al.
Lakartidningen 1986 Aug 20;83(34):2739–44 (Swe)

THERAPY

Long-term follow-up of transvenous cardiac pacing in children. Epstein ML, et al. **Am J Cardiol** 1986 Apr 1; 57(10):889–90
"Bedside" balloon septostomy in infants with transposition of the great arteries: new concepts using two-dimensional echocardiographic techniques. Steeg CN, et al.
J Pediatr 1985 Dec;107(6):944–6

VETERINARY

Transposition of the great arteries in a cat. Straw RC, et al. **J Am Vet Med Assoc** 1985 Sep 15;187(6):634–6

TRANSPOSONS see **DNA INSERTION ELEMENTS**

TRANSSEXUALISM

Medicolegal aspects of transsexualism in Western Europe. A comparative review. Cremona-Barbaro A. **Med Law** 1986;5(1):89–99

BLOOD

The neuroendocrine response of luteinizing hormone to estrogen administration in the human is not sex specific but dependent on the hormonal environment. Gooren L.
J Clin Endocrinol Metab 1986 Sep;63(3):589–93
The neuroendocrine response of luteinizing hormone to estrogen administration in heterosexual, homosexual, and transsexual subjects. Gooren L.
J Clin Endocrinol Metab 1986 Sep;63(3):583–8
Changes in gonadotropin regulation in both behavioral and phenotypic disturbances of sexual differentiation in men. Kula K. **Psychoneuroendocrinology** 1986;11(1):61–7
[The effect of administering testosterone undecanoate on hormone levels in female transsexuals] Stárka L, et al.
Bratisl Lek Listy 1986 Feb;85(2):202–8 (Eng. Abstr.) (Cze)

COMPLICATIONS

Endocrine evaluation of forty female-to-male transsexuals: increased frequency of polycystic ovarian disease in female transsexualism. Futterweit W, et al. **Arch Sex Behav** 1986 Feb;15(1):69–78

DIAGNOSIS

Physical and hormonal evaluation of transsexual patients: a longitudinal study. Meyer WJ 3d, et al.
Arch Sex Behav 1986 Apr;15(2):121–38
[Transsexuals or pseudotranssexuals?] Scherrer P.
Ann Med Psychol (Paris) 1985 Jun;143(6):549–60 (Fre)
[The sex of transsexuals] Boczkowski K. **Pol Tyg Lek** 1985 Dec 9;40(49):1361 (Pol)
[Analysis of anthropometric characteristics of transsexuals] Rajchel Z, et al. **Pol Tyg Lek** 1985 Dec 9;40(49):1362–4 (Eng. Abstr.) (Pol)
[Clinical picture and development of transsexualism] Bukhanovskiĭ AO. **Zh Nevropatol Psikhiatr** 1986; 86(2):270–6 (Eng. Abstr.) (Rus)

DRUG THERAPY

Haemodynamic changes and left ventricular performance during high-dose oestrogen administration to male transsexuals. Slater AJ, et al. **Br J Obstet Gynaecol** 1986 Jun;93(6):532–8
The effects of long-term androgen treatment on the ovary. Amirikia H, et al. **Fertil Steril** 1986 Feb;45(2):202–8
The use of andriol in treatment of androgen deficiency in transsexual women. Hampl R, et al. **J Steroid Biochem** 1986 Jan;24(1):349–52
[Male transsexuals. Hormone studies in endocrine therapy] Krause W, et al. **Fortschr Med** 1986 Jun 19; 104(23–24):471–3 (Eng. Abstr.) (Ger)

FAMILIAL & GENETIC

Transsexual sisters. Joyce PR, et al.
Aust NZ J Psychiatry 1985 Jun;19(2):188–9

IMMUNOLOGY

On the expression of H-Y antigen in transsexuals. Wachtel S, et al. **Arch Sex Behav** 1986 Feb;15(1):51–68

PATHOLOGY

Histological changes in the genital tract in transsexual women following androgen therapy. Miller N, et al.
Histopathology 1986 Jul;10(7):661–9
Histopathological effects of exogenously administered testosterone in 19 female to male transsexuals. Futterweit W, et al. **J Clin Endocrinol Metab** 1986 Jan;62(1):16–21
[The microscopic picture of ovaries in artificial hyperandrogenism] Divila F, et al. **Cesk Gynekol** 1986 Jun; 51(5):317–23 (Eng. Abstr.) (Cze)

PHYSIOPATHOLOGY

A nonspecific disturbance of the gonadostat in women with transsexualism and isolated hypergonadotropism in the male-to-female disturbance of gender identity. Kula K, et al. **Exp Clin Endocrinol** 1986 Jun;87(1):8–14
The effect of cyproterone acetate alone and in combination with ethinylestradiol on the hypothalamic pituitary adrenal axis, prolactin and growth hormone release in male-to-female transsexuals. de Vries CP, et al.
Horm Metab Res 1986 Mar;18(3):203–5

PSYCHOLOGY

Social desirability response set and systematic distortion in the self-report of adult male gender patients. Blanchard R, et al. **Arch Sex Behav** 1985 Dec;14(6):505–16
Follow-up of females with gender identity disorders. McCauley E, et al. **J Nerv Ment Dis** 1984 Jun;172(6):353–8
Borderline manifestations in the Rorschachs of male transsexuals. Murray JF. **J Pers Assess** 1985 Oct; 49(5):454–66
Appeals court reverses decision in transsexual discrimination case. Goerth CR. **Occup Health Saf** 1984 Nov–Dec; 53(10):32
Health professionals' factual knowledge and changing attitudes toward transsexuals. Franzini LR, et al.
Soc Sci Med 1986;22(5):535–9
[The transsexual female. Development and impairment of female gender identity] Désirat K. **Beitr Sexualforsch** 1985; 60:1–139 (Ger)
[The sex of angels. On the theory of transsexualism in the Lacan school (M. Safouan, A. Faure-Oppenheimer, C. Millot)] Runte A. **Psyche (Stuttg)** 1985 Sep;39(9):830–62 (Eng. Abstr.) (Ger)
[The transsexual syndrome in children and adolescents] Braun H. **Z Kinder Jugendpsychiatr** 1985;13(2):138–54 (Ger)

SURGERY

Surgery in transsexuals. Lim SM.
Ann Acad Med Singapore 1986 Jan;15(1):122–6
Long-term follow-up of "sex change" in 13 male-to-female transsexuals. Lindemalm G, et al. **Arch Sex Behav** 1986 Jun;15(3):187–210
The gender identity movement: a growing surgical-psychiatric liaison. Pauly IB, et al.
Arch Sex Behav 1986 Aug;15(4):315–29
Psychosocial outcomes of sex reassignment surgery. Abramowitz SI. **J Consult Clin Psychol** 1986 Apr; 54(2):183–9
Transsexuality in The Netherlands. Some medical and legal aspects. Kuiper AJ, et al. **Med Law** 1985;4(4):373–8

THERAPY

A patient with ambiguous genitalia and gender confusion [clinical conference] Keppel WH, et al.
Bull Menninger Clin 1985 Nov;49(6):584–95

TRANSUDATES see **EXUDATES AND TRANSUDATES**

TRANSVESTISM

PSYCHOLOGY

Social desirability response set and systematic distortion in the self-report of adult male gender patients. Blanchard R, et al. **Arch Sex Behav** 1985 Dec;14(6):505–16
Preadult feminine behaviors of male transvestites. Buhrich N, et al. **Arch Sex Behav** 1985 Oct;14(5):413–9
Coping with a transvestitic mate: clinical implications. Wise TN. **J Sex Marital Ther** 1985 Winter;11(4):293–300

TRANYLCYPROMINE

ADVERSE EFFECTS

Hyperpyrexia following psychotropic drug overdose. Peebles-Brown AE. **Anaesthesia** 1985 Nov;40(11):1097–9
Discussion of "Fatal malignant hyperthermia as a result of ingestion of tranylcypromine (Parnate) combined with white wine and cheese" [letter] Reid WH.
J Forensic Sci 1986 Jan;31(1):8–10

ANALOGS & DERIVATIVES

Detection and quantitation of a ring-hydroxylated metabolite of the antidepressant drug tranylcypromine. Baker GB, et al. **J Neural Transm** 1986;65(3–4):233–43

ANALYSIS

Pentafluorobenzenesulfonyl chloride as a sensitive reagent for the rapid gas chromatographic analysis of tranylcypromine in tissues and body fluids. Rao TS, et al.
Biochem Pharmacol 1986 Jun 15;35(12):1925–8
A rapid and sensitive procedure for the simultaneous analysis of beta-phenylethylamine and tranylcypromine in rat brain using trichloroacetylation and gas chromatography. Baker GB, et al. **Res Commun Chem Pathol Pharmacol** 1985 Sep; 49(3):471–4

BLOOD

Determination of tranylcypromine in plasma using gas chromatography-chemical-ionization mass spectrometry. Edwards DJ, et al. **J Chromatogr** 1985 Nov 8;344:356–61

METABOLISM

Detection and quantitation of a ring-hydroxylated metabolite

of the antidepressant drug tranylcypromine. Baker GB, et al. **J Neural Transm** 1986;65(3-4):233-43

PHARMACODYNAMICS

Single dose of tranylcypromine increases human plasma melatonin. Oxenkrug GF, et al. **Biol Psychiatry** 1986 Sep; 21(11):1085-9

Effects of tranylcypromine enantiomers on monoamine uptake and release and imipramine binding. Tuomisto J, et al. **J Neural Transm** 1986;65(2):135-45

Effect of a prostaglandin E1 derivative (OP-1206) and acetylsalicylic acid on electrically induced thrombosis in guinea-pig mesenteric artery and its modification by an inhibitor of prostaglandin I2 synthetase, tranylcypromine. Fujitani B, et al. **Jpn J Pharmacol** 1986 Jan;40(1):31-5

Regional cerebral pharmacokinetics of the dopaminergic neurotoxin 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine as examined by positron emission tomography in a baboon is altered by tranylcypromine. Moerlein SM, et al. **Neurosci Lett** 1986 May 15;66(2):205-9

POISONING

Tranylcypromine and chlordiazepoxide intoxication [letter] Young S, et al. **Med J Aust** 1986 Feb 3;144(3):166-7

THERAPEUTIC USE

Synergistic action of alprazolam with tranylcypromine in drug-resistant atypical depression with panic attacks. Ries RK, et al. **Biol Psychiatry** 1986 May;21(5-6):522-6

L-5HTP in depression resistant to re-uptake inhibitors. An open comparative study with tranylcypromine. Nolen WA, et al. **Br J Psychiatry** 1985 Jul;147:16-22

Tranylcypromine: patterns and predictors of response. White K, et al. **J Clin Psychiatry** 1986 Jul;47(7):380-2

Rapid antidepressant effect of addition of lithium to tranylcypromine. Tariot PN, et al. **J Clin Psychopharmacol** 1986 Jun;6(3):165-7

TRAPIDIL see under **PYRIMIDINES**

TRAUMA see **WOUNDS AND INJURIES**

TRAUMA CENTERS

Transection of the thoracic aorta: assessment of a trauma system. Hartford JM, et al. **Am J Surg** 1986 Feb; 151(2):224-9

Emergency department thoracotomy (EDT). A 26-month experience using an "agonal" protocol.Schwab CW, et al. **Am Surg** 1986 Jan;52(1):20-9

Triage to trauma centers [letter] **Ann Emerg Med** 1986 May; 15(5):602-3

Ineffectiveness of the trauma score and the CRAMS scale for accurately triaging patients to trauma centers. Ornato J, et al. **Ann Emerg Med** 1985 Nov;14(11):1061-4

Emergency medicine and surgery resident roles on the trauma team: a difference of opinion. Slagel SA, et al. **Ann Emerg Med** 1986 Jan;15(1):28-32

Urgent care centres. Gray BK, et al. **Arch Emerg Med** 1985 Dec;2(4):197-9

Urgent care centres: proceed with caution. Maull KI. **Arch Emerg Med** 1985 Dec;2(4):201-2

Trauma centres [editorial] Burke PF. **Aust NZ J Surg** 1986 Jun;56(6):461-2

Outcome of critically injured patients treated at Level I trauma centers versus full-service community hospitals [letter] **Crit Care Med** 1986 Jun;14(6):596-7

Resuscitation and transfer of trauma patients: a prospective re-evaluation. Danzl DF, et al. **J Ky Med Assoc** 1986 Feb; 84(2):61-4

Acute subdural hematoma: direct admission to a trauma center yields improved results. Stone JL, et al. **J Trauma** 1986 May;26(5):445-50

The section of trauma, Karolinska Hospital, Stockholm, Sweden [editorial] Eriksson E. **Orthopedics** 1986 Feb; 9(2):158-9

[10 years of emergency medical care at the traumatology center of the university clinic in Essen] Rommens P, et al. **Acta Chir Belg** 1986 May-Jun;86(3):184-7 (Eng. Abstr.) (Dut)

[Indoor environmental contamination of a trauma hospital by opportunistic gram-negative microorganisms and an evaluation of methods for their detection] Iafaev RKh, et al. **Gig Sanit** 1986 Feb;(2):8-11 (Eng. Abstr.) (Rus)

[Epidemiological analysis of the morbidity from suppurative-septic infections in a trauma center and orthopedic hospital] Iafaev RKh, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Dec;(12):42-5 (Eng. Abstr.) (Rus)

[Characteristics of the sources and routes of spread of a Pseudomonas aeruginosa infection in a trauma department] Zueva LP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Feb;(2):59-63 (Eng. Abstr.) (Rus)

ECONOMICS

Self pay not equal to no pay [letter] Sivertson KT, et al. **Ann Emerg Med** 1986 Feb;15(2):227

The impact of prospective reimbursement on trauma centers. An alternative payment plan. Jacobs LM, et al. **Arch Surg** 1986 Apr;121(4):479-83

[Possibilities of increasing the economic effectiveness of the activities of the departments of traumatology, reconstructive surgery and eye prosthesis of the Moscow Helmholtz Research Institute for Eye Diseases] Gundorova RA, et al. **Vestn Oftalmol** 1986 Mar-Apr;102(2):3-6 (Eng. Abstr.) (Rus)

ORGANIZATION & ADMINISTRATION

Pediatric trauma units. Nursing's input into development. Glass BL. **AORN J** 1985 Sep;42(3):353-6

Accident-injury organization: Canadian overview. Burns CM. **Can J Surg** 1985 Nov;28(6):482-6

Does a trauma-management system improve outcome for children with life-threatening injuries? Haller JA Jr, et al. **Can J Surg** 1985 Nov;28(6):477

Physician decision-making—evaluation of data used in a computerized ICU. Bradshaw KE, et al. **Int J Clin Monit Comput** 1984;1(2):81-91

Community hospital to trauma center. Dunn EL, et al. **J Trauma** 1986 Aug;26(8):733-7

Trauma center verification. Maull KI, et al. **J Trauma** 1986 Jun;26(6):521-4

[Basic principles of pre-hospital medical services for patients with multiple injuries] Elkin PA. **Khirurgiia (Mosk)** 1985 Nov;(11):22-6 (Eng. Abstr.) (Rus)

[Role of an eye trauma center in the prevention and treatment of injuries and prevention of serious outcomes in agricultural injuries] Dugel'nyi GA, et al. **Oftalmol Zh** 1985;(5):307-9 (Rus)

[Systemic basis of organization of the process of rehabilitation of traumatological-orthopedic patients] Grigor'ev MG, et al. **Ortop Travmatol Protez** 1985 Aug;(8):1-6 (Eng. Abstr.) (Rus)

[Specialized services for patients with severe open hand injuries in rural regions] Gorischev AN, et al. **Sov Med** 1985;(11):65-9 (Rus)

[Surgical treatment of injuries abroad (review of foreign literature)] Tsybuliak GN. **Vestn Khir** 1985 Jul; 135(7):127-31 (21 ref.) (Rus)

STANDARDS

Experts: trauma systems improve across the nation. Traska MR. **Hospitals** 1986 May 5;60(9):125

SUPPLY & DISTRIBUTION

A summary analysis of the North Carolina Trauma and Burn Study. Proctor HJ, et al. **NC Med J** 1986 Mar;47(3):125-32

TRAUMA UNITS see **TRAUMA CENTERS**

TRAVEL

Personality characteristics of the crosscountry hitchhiker. Franzoi S. **Adolescence** 1985 Fall;20(79):655-68

Traveler's diarrhea [editorial] **Am Fam Physician** 1985 Nov; 32(5):100

Health advice for the international traveler. Weber SJ, et al. **Am Fam Physician** 1985 Dec;32(6):165-9

Observations of a traveling pharmacist, Part 4. Olson C. **Am J Hosp Pharm** 1986 Apr;43(4):1021-6

Observations of a traveling pharmacist, Part 5. Olson C. **Am J Hosp Pharm** 1986 May;43(5):1277-83

Phase shifting two coupled circadian pacemakers: implications for jet lag. Gander PH, et al. **Am J Physiol** 1985 Dec;249(6 Pt 2):R704-19

Use of light to treat jet lag: differential effects of normal and bright artificial light on human circadian rhythms. Wever RA. **Ann NY Acad Sci** 1985;453:282-304

Prevention of traveler's diarrhea by the tablet form of bismuth subsalicylate. Steffen R, et al. **Antimicrob Agents Chemother** 1986 Apr;29(4):625-7

Outbreak of parasitic gastroenteritis among travelers returning from Africa. Poland GA, et al. **Arch Intern Med** 1985 Dec;145(12):2220-1

Legionnaires' disease in the Caribbean. An outbreak associated with a resort hotel. Schlech WF 3d, et al. **Arch Intern Med** 1985 Nov;145(11):2076-9

Does tourism influence food choice? Astier Dumas M, et al. **Bibl Nutr Dieta** 1985;(36):26-8

Alleviation of jet lag by melatonin: preliminary results of controlled double blind trial. Arendt J, et al. **Br Med J [Clin Res]** 1986 May 3;292(6529):1170

Altitude sickness [letter] Benson WG. **Br Med J [Clin Res]** 1985 Dec 7;291(6509):1648

Imported malaria in Britain: survey of British residents travelling to areas in which malaria is endemic. Campbell H. **Br Med J [Clin Res]** 1985 Oct 12;291(6501):1013-4

Inflammatory bowel disease: a common cause of bloody diarrhoea in visitors to the tropics. Harries AD, et al. **Br Med J [Clin Res]** 1985 Dec 14;291(6510):1686-7

A sabbatical year in the United States: planning and preparation. Talbot RW. **Br Med J [Clin Res]** 1986 Jan 11;292(6513):118-20

Malaria prophylaxis for Canadian travellers. **Can Med Assoc J** 1985 Nov 15;133(10):1024-6

Health advice from travel agencies to international travellers [letter] Steffen R. **Can Med Assoc J** 1986 Feb 1;134(3):213-5

Health advice from travel agencies [letter] White FM. **Can Med Assoc J** 1986 Apr 1;134(7):706

Diseases of travelers. Wolfe MS. **Clin Symp** 1984;36(2):2-32

Radon-222 air concentrations in the Slovenian karst caves of Yugoslavia. Kobal I, et al. **Health Phys** 1986 Jun; 50(6):830-4

Three visits to eternity: Freud, Wiesel, and Patient X. Weiss SS. **J Am Psychoanal Assoc** 1986;34(1):69-91

Failures of combined chloroquine and Fansidar prophylaxis in American travelers to East Africa. Miller KD, et al. **J Infect Dis** 1986 Oct;154(4):689-91

Introduction of Salmonella typhi in the United States via travelers. Sussman SJ, et al. **J Med Soc NJ** 1985 Aug; 82(8):655-7

Atypical presentation of multiple pulmonary emboli in a young air traveller [letter] Holliday J. **J R Coll Gen Pract** 1985 Oct;35(279):497

Circadian arrhythmia: shiftwork, travel and health. Minors DS, et al. **J Soc Occup Med** 1986 Summer;36(2):39-44

Leads from the MMWR. Need for malaria prophylaxis by travelers to areas with chloroquine-resistant Plasmodium falciparum. **JAMA** 1986 Feb 7;255(5):597

Prevention of traveler's diarrhea [letter] Graham DY. **JAMA** 1985 Nov 8;254(18):2559

Comparison of loperamide with bismuth subsalicylate for the treatment of acute travelers' diarrhea. Johnson PC, et al. **JAMA** 1986 Feb 14;255(6):757-60

The responsible traveller [editorial] **Lancet** 1986 Jun 7; 1(8493):1309

Jet lag and its pharmacology [editorial] **Lancet** 1986 Aug 30;2(8505):493-4

Strategies for the prevention of malaria in travellers: comparison of drug regimens by means of risk-benefit analysis. Peto TE, et al. **Lancet** 1986 May 31; 1(8492):1256-61

Malarial prophylaxis [letter] Cook IF. **Med J Aust** 1986 May 12;144(10):556-7

Sudden natural deaths associated with commercial air travel. Sarvesvaran R. **Med Sci Law** 1986 Jan;26(1):35-8

Medical advice for foreign travel. Dembert ML, et al. **Milit Med** 1986 Apr;151(4):211-20

Need for malaria prophylaxis by travelers to areas with chloroquine-resistant Plasmodium falciparum. **MMWR** 1986 Jan 17;35(2):21-22, 27

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 37-1986. A 50-year-old woman with back pain, extensive travel, and exposure to farm animals. **N Engl J Med** 1986 Sep 18;315(12):748-54

Travel by airplane during pregnancy. Breen JL, et al. **NJ Med** 1986 May;83(5):297-9

Promoting health in international travel. Coralli CH. **Nurse Pract** 1985 Oct;10(10):28-32, 41-3

Company medical staff can prepare employees for overseas work. Schneider WJ. **Occup Health Saf** 1986 May; 55(5):74-6

Air travel and intraocular gas. Dieckert JP, et al. **Ophthalmology** 1986 May;93(5):642-5

Protection of travellers against infectious diseases and other hazards. Bannister BA. **Practitioner** 1986 Mar; 230(1413):267-73

Foreign travel and health: mutually exclusive? Mitchell AB. **Practitioner** 1985 Sep;229(1407):827-30

The ties that bind. Differentials between seasonal and permanent migrants to retirement communities. Sullivan DA. **Res Aging** 1985 Jun;7(2):235-50

Travelers' diarrhea: National Institutes of Health Consensus Development Conference. Bethesda, Maryland, January 28-30, 1985. **Rev Infect Dis** 1986 May-Jun;8 Suppl 2:S109-233

Treatment of travelers' diarrhea: fluid and dietary management. Banwell JG. **Rev Infect Dis** 1986 May-Jun; 8 Suppl 2:S182-7 (36 ref.)

Pathogens that cause travelers' diarrhea in Latin America and Africa. Black RE. **Rev Infect Dis** 1986 May-Jun;8 Suppl 2:S131-5 (37 ref.)

Environmental interventions for the prevention of travelers' diarrhea. Blaser MJ. **Rev Infect Dis** 1986 May-Jun;8 Suppl 2:S142-50 (54 ref.)

Antimicrobial therapy for travelers' diarrhea. DuPont HL, et al. **Rev Infect Dis** 1986 May-Jun;8 Suppl 2:S217-22

Antimicrobial agents in the prevention of travelers' diarrhea. DuPont HL, et al. **Rev Infect Dis** 1986 May-Jun;8 Suppl 2:S167-71

Nonantibiotic therapy for travelers' diarrhea. Ericsson CD, et al. **Rev Infect Dis** 1986 May-Jun;8 Suppl 2:S202-6 (13 ref.)

Chronic diarrhea in travelers: diagnostic and therapeutic considerations. Giannella RA. **Rev Infect Dis** 1986 May-Jun;8 Suppl 2:S223-6 (16 ref.)

Travelers' diarrhea: an overview. Kean BH. **Rev Infect Dis** 1986 May-Jun;8 Suppl 2:S111-6 (34 ref.)

Epidemiology of travelers' diarrhea: current perspectives. MacDonald KL, et al. **Rev Infect Dis** 1986 May-Jun;8 Suppl 2:S117-21 (36 ref.)

Resistance of Shigella, Salmonella, and other selected enteric pathogens to antimicrobial agents. Murray BE. **Rev Infect Dis** 1986 May-Jun;8 Suppl 2:S172-81 (47 ref.)

Antimicrobial prophylaxis of travelers' diarrhea: a selected summary. Sack RB. **Rev Infect Dis** 1986 May-Jun;8 Suppl 2:S160-6 (11 ref.)

Prevention of travelers' diarrhea by nonantibiotic drugs. Steffen R, et al. **Rev Infect Dis** 1986 May-Jun;8 Suppl 2:S151-9 (43 ref.)

Epidemiologic studies of travelers' diarrhea, severe gastrointestinal infections, and cholera. Steffen R. **Rev Infect Dis** 1986 May-Jun;8 Suppl 2:S122-30 (17 ref.)

Etiology and epidemiology of travelers' diarrhea in Asia.

Taylor DN, et al. **Rev Infect Dis** 1986 May-Jun;8 Suppl 2:S136-41 (27 ref.)

Illness associated with a package holiday in Romania. Grist NR, et al. **Scott Med J** 1985 Jul;30(3):156-60

Population movement and malaria persistence in Rameswaram Island. Rajagopalan PK, et al. **Soc Sci Med** 1986;22(8):879-86

Emporiatric enteritis: lessons learned from U.S. students in Mexico. Dupont HL, et al. **Trans Am Clin Climatol Assoc** 1985;97:32-42

Rabies vaccination for Belgian imports [letter] Camerlynck R. **Vet Rec** 1986 Jun 28;118(26):736

[Infections imported from abroad] Peltola H, et al. **Duodecim** 1986;102(11):748-59 (Fin)

[A fatal case of chloroquine-resistant neuromalaria in a traveller to Cameroon] Raccurt CP, et al. **Bull Soc Pathol Exot Filiales** 1986;79(1):39-49 (Eng. Abstr.) (Fre)

[How to protect the traveler against malaria in 1985 (letter)] Fox E. **Bull Soc Sci Med Grand Duche Luxemb** 1985; 122(1):63-4 (Fre)

[Severe dysenteric syndrome and cholestatic hepatitis. Viral infection on the island of Mauritius? (letter)] Genin R, et al. **Presse Med** 1986 Jun 7;15(23):1100 (Fre)

[Helminth infestations in non-European travellers—results of stool examinations 1973-1981 in the district of Leipzig (East Germany)] Krause W. **Angew Parasitol** 1985 Aug; 26(3):121-30 (Eng. Abstr.) (Ger)

[Travel, sports and pregnancy] Hoch R. **Arch Gynecol** 1985; 238(1-4):301-5 (Ger)

[Paracoccidioidomycosis, an imported tropical disease] Brüninger W, et al. **Hautarzt** 1985 Jul;36(7):408-11 (Eng. Abstr.) (Ger)

[Experiences in monitoring children traveling to the tropics] Padelt H, et al. **Padiatr Grenzgeb** 1986;25(2-3):219-24 (Eng. Abstr.) (Ger)

[Dermatologic problems in travelers returning from the tropics] Heimgartner E. **Schweiz Med Wochenschr** 1986 May 17;116(20):679-82 (Eng. Abstr.) (Ger)

[Immunization plan for foreign travel and sojourn] Herzog C. **Schweiz Med Wochenschr** 1986 May 17;116(20):664-9 (Eng. Abstr.) (Ger)

[Travelers' hepatitis] Marbet UA. **Schweiz Med Wochenschr** 1986 May 17;116(20):658-63 (Eng. Abstr.) (Ger)

[Enteropathogens in travellers returning from the tropics] Markwalder K, et al. **Schweiz Med Wochenschr** 1986 Jul 26;116(30):999-1002 (Eng. Abstr.) (Ger)

[Health advice before travel to tropical countries] Sigg-Farner C. **Schweiz Med Wochenschr** 1986 May 17; 116(20):682-6 (Eng. Abstr.) (Ger)

[Selection of chloroquine-resistant Plasmodium falciparum strains in tourists under chemoprophylaxis] Stahel E, et al. **Schweiz Med Wochenschr** 1986 May 31;116(22):734-8 (Eng. Abstr.) (Ger)

[Accepted principles for the prevention and therapy of travelers' diarrhea] Steffen R. **Schweiz Med Wochenschr** 1986 May 17;116(20):670-3 (Eng. Abstr.) (Ger)

[Travelers returning from the tropics with fever] von Planta M. **Schweiz Med Wochenschr** 1986 May 17;116(20):674-8 (Eng. Abstr.) (Ger)

[Typhus epidemiology in Switzerland 1980-1983. Slight or lack of effectiveness of the live vaccine Vivotif in tropical travel] Wüthrich RP, et al. **Schweiz Med Wochenschr** 1985 Nov 30;115(48):1714-20 (Eng. Abstr.) (Ger)

[Sexually transmitted diseases after travel in tropical countries] Eichmann A. **Ther Umsch** 1985 Nov; 42(11):805-11 (Eng. Abstr.) (Ger)

[March hemoglobinuria during a school excursion in a high school girl—a report of a case, and a review of the Japanese literature] Wakui H, et al. **Nippon Naika Gakkai Zasshi** 1986 Jun;75(6):788-91 (Jpn)

[Human mobility and the current epidemiology of syphilis] Năstoiu I. **Rev Ig [Bacteriol]** 1986 Apr-Jun;31(2):111-22 (Rum)

[Imported malaria in the northern part of the USSR] Zavgorodnii NG, et al. **Voen Med Zh** 1986 Apr;(4):61 (Rus)

[Medical indications and contraindications in recommending tourist centers] Pertsov AI, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Jul-Aug;(4):64-5 (Rus)

TRAZODONE

ADMINISTRATION & DOSAGE

Evaluation of possible interactions between ethanol and trazodone or amitriptyline. Warrington SJ, et al. **Neuropsychobiology** 1986;15 Suppl 1:31-7

ADVERSE EFFECTS

Side effects of the new antidepressants [letter] Mattes JA. **Am J Psychiatry** 1986 Feb;143(2):261

Withdrawal syndrome in a depressed patient treated with trazodone [letter] Menza MA. **Am J Psychiatry** 1986 Sep; 143(9):1195

A role for catecholamines in the pathogenesis of neuroleptic malignant syndrome. Schibuk M, et al. **Can J Psychiatry** 1986 Feb;31(1):66-9

Drug eruption from trazodone [letter] Rongioletti F, et al. **J Am Acad Dermatol** 1986 Feb;14(2 Pt 1):274-5

A case of trazodone-induced ventricular tachycardia. Aronson MD, et al. **J Clin Psychiatry** 1986 Jul;47(7):388-9

The elicitation of a movement disorder by trazodone: case report. Demuth GW, et al. **J Clin Psychiatry** 1985 Dec; 46(12):535-6

Complex partial seizures in a patient receiving trazodone. Tasini M. **J Clin Psychiatry** 1986 Jun;47(6):318-9

Mania following change from trazodone to imipramine. Haggerty JJ Jr, et al. **J Clin Psychopharmacol** 1985 Dec; 5(6):342-3

Atypical acute dystonia associated with trazodone treatment [letter] Kramer MS, et al. **J Clin Psychopharmacol** 1986 Apr;6(2):117-8

Weight changes in antidepressants: a comparison of amitriptyline and trazodone. Hecht Orzack M, et al. **Neuropsychobiology** 1986;15 Suppl 1:28-30

ANALYSIS

Measurement of trazodone in biological fluids by high-performance liquid chromatography. Caldwell R, et al. **J Chromatogr** 1985 Nov 29;345(1):187-91

Analysis of trazodone and m-chlorophenylpiperazine in plasma and brain tissue by high-performance liquid chromatography. Miller RL, et al. **J Chromatogr** 1986 Jan 24;374(2):388-93

BLOOD

Variations in plasma drug levels from different laboratories [letter] Rathbun JM, et al. **Am J Psychiatry** 1986 Sep; 143(9):1196

Determination of trazodone in human plasma by liquid chromatography with fluorescence detection. Gupta RN, et al. **J Chromatogr** 1985 Aug 9;342(2):442-6

Trazodone: a simple, clean extraction and rapid quantification by high pressure liquid chromatography. Gerson B, et al. **J Psychiatr Res** 1986;20(1):69-76

METABOLISM

A possible diurnal variation in trazodone clearance. Baxter LR Jr, et al. **J Clin Psychopharmacol** 1986 Aug;6(4):223-6

PHARMACODYNAMICS

Increased libido in women receiving trazodone. Gartrell N. **Am J Psychiatry** 1986 Jun;143(6):781-2

Effects of trazodone and nadolol upon human sperm motility [letter] Cassidy SL, et al. **Br J Clin Pharmacol** 1986 Jul; 22(1):119-21

A comparison of the effects of trazodone and amitriptyline on skills performance by geriatric subjects. Burns M, et al. **J Clin Psychiatry** 1986 May;47(5):252-4

A case of phenytoin toxicity possibly precipitated by trazodone. Dorn JM. **J Clin Psychiatry** 1986 Feb; 47(2):89-90

Trazodone and m-chlorophenylpiperazine. Concentration in brain and receptor activity in regions in the brain associated with anxiety. Smith TM, et al. **Neuropharmacology** 1985 Nov;24(11):1067-71

Cognitive performance in geriatric subjects after acute treatment with antidepressants. Moskowitz H, et al. **Neuropsychobiology** 1986;15 Suppl 1:38-43

The effect of chronic administration of trazodone on the acquisition of avoidance behavior in mice. Sansone M, et al. **Pol J Pharmacol Pharm** 1985 Mar-Apr;37(2):173-8

Effects of trazodone treatment on alpha-2 adrenoceptor function in depressed patients. Price LH, et al. **Psychopharmacology (Berlin)** 1986;89(1):38-44

POISONING

Relative toxicity of cyclic antidepressants. Wedin GP, et al. **Ann Emerg Med** 1986 Jul;15(7):797-804

Trazodone overdosage: experience over 5 years. Ali CJ, et al. **Neuropsychobiology** 1986;15 Suppl 1:44-5

Recognition and management of antidepressant overdoses: tricyclics and trazodone. Flomenbaum N, et al. **Neuropsychobiology** 1986;15 Suppl 1:46-51

[Bradycardia following the intake of trazodone] Dubot P, et al. **Cah Anesthesiol** 1986 Mar-Apr;34(2):141 (Fre)

THERAPEUTIC USE

Antidepressant therapy after stroke. A double-blind trial. Reding MJ, et al. **Arch Neurol** 1986 Aug;43(8):763-5

A double-blind evaluation of trazodone in the treatment of depression in the elderly. Ather SA, et al. **Br J Clin Pract** 1985 May;39(5):192-9

Self-rating data as a selecting factor in clinical trials of psychotropic drugs. Baumann U, et al. **Eur Arch Psychiatry Neurol Sci** 1985;235(2):65-70

Efficacy of trazodone in narcolepsy. Sandyk R. **Eur Neurol** 1985;24(5):335-7

Peripheral adrenoceptors and serotonin receptors in depression. Changes associated with response to treatment with trazodone or amitriptyline. Healy D, et al. **J Affective Disord** 1985 Nov;9(3):285-96

Improvement in organically disturbed behavior with trazodone treatment. Simpson DM, et al. **J Clin Psychiatry** 1986 Apr;47(4):191-3

Trazodone in dementia [letter] Tingle D. **J Clin Psychiatry** 1986 Sep;47(9):482

Trazodone in the treatment of bulimia [letter] Ware MR, et al. **J Clin Psychopharmacol** 1986 Aug;6(4):253-4

Symposium on trazodone. New clinical applications and safety considerations for a third generation antidepressant. IVth World Congress of Biological Psychiatry. Philadelphia, September 1985. **Neuropsychobiology** 1986;15 Suppl 1:1-52

Use of interactive computer technology in open clinical trials. Study with trazodone in depressed patients. Benkelfat C, et al. **Neuropsychobiology** 1986;15 Suppl 1:10-4

Efficacy of trazodone as an anti-obsessional agent. Prasad A. **Neuropsychobiology** 1986;15 Suppl 1:19-21

Trazodone and the mental pain hypothesis of depression. Silvestrini B. **Neuropsychobiology** 1986;15 Suppl 1:2-9

TREACHER COLLINS SYNDROME see **MANDIBULOFACIAL DYSOSTOSIS**

TREATMENT REFUSAL see **PATIENT COMPLIANCE**

TREES

The incidence of pine pollen reactivity in an allergic atopic population. Harris RM, et al. **Ann Allergy** 1985 Nov; 55(5):678-9

New methods for applying synthetic pyrethroids when planting conifer seedlings: symptoms and exposure relationships. Edling C, et al. **Ann Occup Hyg** 1985; 29(3):421-7

Is the availability of substrate for the tricarboxylic acid cycle a limiting factor for uncoupled respiration in sycamore (Acer pseudoplatanus) cells? Journet EP, et al. **Biochem J** 1986 Jan 15;233(2):571-6

Protein phosphorylation in intact cultured sycamore (Acer pseudoplatanus) cells and its response to fusicoccin. Tognoli L, et al. **Biochem J** 1986 Apr 1;235(1):45-8

Fluorescent protein bodies in Cercis siliquastrum L. endosperm. Riggio Bevilacqua L, et al. **Boll Soc Ital Biol Sper** 1985 Apr 30;61(4):491-7

Farms and woodlands. Hepburn PF. **Br J Hosp Med** 1985 Dec;34(6):376-7

Persistence of fenitrothion insecticide in poplar Populus tremuloides and gray birch Betula populifolia. LaPierre LE. **Bull Environ Contam Toxicol** 1985 Oct;35(4):471-5

Contact sensitivity to oak. Campolmi P, et al. **Contact Dermatitis** 1986 May;14(5):314

Dermatitis from X Cupressocyparis leylandii and concomitant sensitivity to colophony. Lovell CR, et al. **Contact Dermatitis** 1985 Nov;13(5):344-5

Contact dermatitis to Japanese black pine. Nakamura T. **Contact Dermatitis** 1986 May;14(5):317

The promise in trees. Hoskins M. **Food Nutr (Roma)** 1985; 11(2):44-6

Radionuclide uptake by trees at a radwaste pond in Washington State. Landeen DS, et al. **Health Phys** 1986 Jun;50(6):769-74

Dentistry on stamps. Loevy HT, et al. **J Am Dent Assoc** 1985 Aug;111(2):307

Dentistry on stamps. Loevy HT, et al. **J Am Dent Assoc** 1985 Nov;111(5):794

The crystal structure of mercury-substituted poplar plastocyanin at 1.9-A resolution. Church WB, et al. **J Biol Chem** 1986 Jan 5;261(1):234-7

Molluscicidal properties of Acacia nilotica subspecies tomentosa and astringens II. Hussein Ayoub SM. **J Trop Med Hyg** 1985 Jun;88(3):201-3

Molluscicidal properties of Acacia nilotica subspecies tomentosa and astringens I. Hussein Ayoub SM. **J Trop Med Hyg** 1985 Jun;88(3):197-9

Chagas' disease in the Amazon basin: V. Periurban palms as habitats of Rhodnius robustus and Rhodnius pictipes—triatomine vectors of Chagas' disease. Miles MA, et al. **Mem Inst Oswaldo Cruz** 1983 Oct-Dec;78(4):391-8

Allergy and photoallergy to fruilania. Bruley C, et al. **Photodermatol** 1986 Feb;3(1):49-50

Production of B-group vitamins by bacteria isolated from soil, rhizosphere, and mycorrhizosphere of pine (Pinus sylvestris L.). Strzelczyk E, et al. **Zentralbl Mikrobiol** 1985; 140(4):293-301

[Induced moistening of hou-po] Liu ZB. **Chung Yao Tung Pao** 1985 Oct;10(10):18, 20 (Chi)

[The resin of Eperua grandiflora (Aublet) Benth (leguminosa Caesalpiniaceae)] Gournelis D, et al. **Ann Pharm Fr** 1985; 43(6):565-72 (Eng. Abstr.) (Fre)

[Collective poisoning by flowers of Laburnum (letter)] Furet Y, et al. **Presse Med** 1986 Jun 7;15(23):1103-4 (Fre)

[Control of rodents and moles in gardens and in agriculture and forestry] Frank F. **DTW** 1986 May 7;93(5):194-8 (Eng. Abstr.) (Ger)

[Finding of Rhodnius prolixus Stal, 1859, in babassu palm trees] Diotaiuti L, et al. **Rev Bras Malariol Doencas Trop** 1984;36:11-4 (Eng. Abstr.) (Por)

[Administration of a water-alcohol extract of the fir tree (Abies alba) as an aerosol in respiratory tract diseases] Baranetchi C, et al. **Rev Med Chir Soc Med Nat Iasi** 1985 Jan-Mar;89(1):123-4 (Eng. Abstr.) (Rum)

[Role of the soil-plant complex in indicating the xenobiotic burden of environmental objects] Dekanoidze AA, et al. **Gig Sanit** 1985 Nov;(11):88-9 (Rus)

[Hygienic evaluation of the effect of phytoncides on the immune status of the body] Dmitriev MT, et al. **Gig Sanit** 1985 Nov;(11):8-10 (Eng. Abstr.) (Rus)

[Effect of forest fires on the population count and spatial

structure of the taiga tick (Ixodidae)] Gorelova NB, et al. **Parazitologiia** 1985 Jul–Aug;19(4):268–72 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

The Juniperus ashei [letter] Findlay SR, et al. **J Allergy Clin Immunol** 1986 Jan;77(1 Pt 1):116

GENETICS

Inheritance of allozyme variants in bishop pine (Pinus muricuta D. Don). Millar CI. **Biochem Genet** 1985 Dec; 23(11–12):933–46

GROWTH & DEVELOPMENT

Tissue culture experiments on the vegetative micropropagation of oak. Maróti M, et al. **Acta Biol Hung** 1985;36(1):3–13

IMMUNOLOGY

Allergy to weeping fig—a new occupational disease. Axelsson G, et al. **Allergy** 1985 Aug;40(6):461–4

Increase of respiratory allergy to the pollens of cypresses in the south of France. Panzani R, et al. **Ann Allergy** 1986 Jun;56(6):460–3

TREESHREWS see **TUPAIIDAE**

TREHALASE

ISOLATION & PURIFICATION

Purification and characterization of amphiphilic trehalase from rabbit small intestine. Yokota K, et al. **Biochim Biophys Acta** 1986 May 2;881(3):405–14

Rat intestinal brush border membrane trehalase: some properties of the purified enzyme. Riby J, et al. **Comp Biochem Physiol [B]** 1985;82(4):821–7

METABOLISM

Catalytic versatility of trehalase: synthesis of alpha-D-glucopyranosyl alpha-D-xylopyranoside from beta-D-glucosyl fluoride and alpha-D-xylose. Kasumi T, et al. **Carbohydr Res** 1986 Jan 15;146(1):39–49

Trehalase activation in yeasts is mediated by an internal acidification. Valle E, et al. **Eur J Biochem** 1986 Jan 15; 154(2):247–51

Solubilization of trehalase from rabbit renal and intestinal brush-border membranes by a phosphatidylinositol-specific phospholipase C. Takesue Y, et al. **FEBS Lett** 1986 May 26;201(1):5–8

Cyclic AMP and the stimulation of trehalase activity in the yeast Saccharomyces cerevisiae by carbon sources, nitrogen sources and inhibitors of protein synthesis. Thevelein JM, et al. **J Gen Microbiol** 1985 Dec;131 (Pt 12):3199–209

Control of yeast neutral trehalase by distinct polyphosphates and ribonucleic acid. App H, et al. **Z Lebensm Unters Forsch** 1985 Oct;181(4):276–82

[Trehalase in human pathology] Tomaszewski L, et al. **Postepy Hig Med Dosw** 1985 May–Jun;39(3):349–61 (54 ref.) (Eng. Abstr.) **(Pol)**

URINE

[Clinical role of urinary trehalase in proximal tubular damages] Nakano M. **Seikagaku** 1986 May;58(5):330–4 (13 ref.) **(Jpn)**

TREHALOSE see under **DISACCHARIDES**

TREMATODA

A parasitological survey of the malaria vector A. atroparvus. Bafort JM. **Ann Trop Med Parasitol** 1986 Feb;80(1):149–53

Three Egyptian trematodes of fish-eating mammals of family Cyathocotylidae (Poche, 1926). el-Assal FM, et al. **Z Parasitenkd** 1986;72(1):73–8

[Diplectanidae (Monogenea) parasites of fish of the Kerkennah Islands (Tunisia)] Euzet L. **Arch Inst Pasteur Tunis** 1984 Dec;61(4):463–74 (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

Studies on some of the developmental stages in the life cycle of Stellantchasmus falcatus (Trematoda: Heterophidae) in Egypt. Boulos LM, et al. **J Egypt Soc Parasitol** 1985 Dec; 15(2):397–402

The monogenean Quadriacanthus kearni n.sp. and a report of Q. clariadis clariadis Paperna, 1979 on the gills of Clarias lazera in Nile Delta. el-Naggar MM, et al. **J Egypt Soc Parasitol** 1985 Dec;15(2):479–92

Schilbetrema aegyptica n.sp. A monogenean gill parasite of the Egyptian freshwater fish Schilbe mystus. el-Naggar MM. **J Egypt Soc Parasitol** 1985 Dec;15(2):571–80

Report of Episthmium caninum (Verma, 1935) Yamaguti, 1958 (Digenea: Echinostomatidae) in man. Radomyos P, et al. **Southeast Asian J Trop Med Public Health** 1985 Sep; 16(3):508–11

[Brachycoelium salamandrae (Frölich, 1789) (Trematoda, Brachycoeliidae) in Salamandra salamandra L.] Bertman M. **Wiad Parazytol** 1986;32(2):173–5 (Eng. Abstr.) **(Pol)**

CLASSIFICATION

On Aphanurus pimelopteri sp. n. (Trematoda: Hemiuridae) from the Red Sea fishes. Ramadan MM. **J Egypt Soc Parasitol** 1985 Jun;15(1):335–41

The genus Proctotrema odhner, 1911 (Monorchiidae), with description of Proctotrema odhneri sp. n. from Red Sea fishes. Ramadan MM. **J Egypt Soc Parasitol** 1985 Jun; 15(1):293–8

[Use of chaetotaxy for the identification of trematode cercaria in natural infestation by fresh-water gastropod molluska] Manfredi MT, et al. **Ann Ist Super Sanita** 1986;22(1):509–11 (Eng. Abstr.) **(Ita)**

[New trematode species from commercial fish of the Indian Ocean] Parukhin AM. **Biol Nauki** 1985;(8):29–34 (Eng. Abstr.) **(Rus)**

[Systematic position and life cycle of Asymphylotrema macracetabulum comb. Nov. (Trematoda, Monorchidae)] Dvoriadkin VA, et al. **Parazitologiia** 1985 Sep–Oct; 19(5):394–8 (Eng. Abstr.) **(Rus)**

[New species of didymozoid (Didymozoidae) from the Japanese mackerel] Nikolaeva VM, et al. **Parazitologiia** 1986 May–Jun;20(3):219–21 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

The effects of praziquantel on various larval and adult parasites from freshwater and marine snails and fish. Moser M, et al. **J Parasitol** 1986 Feb;72(1):175–6

ENZYMOLOGY

Isoenzymes of lactate dehydrogenase (EC 1.1.1.27) in Dicrocoelium dendriticum and Fasciola hepatica (Tremstoda). León P, et al. **Comp Biochem Physiol [B]** 1986;83(1):159–61

Comparative histochemical studies of glycosidase activity in some helminths. Fujino T, et al. **J Helminthol** 1986 Mar; 60(1):1–13

5'-Nucleotidase activity and substrate affinity in digenetic trematodes. Siddiqui AA, et al. **J Helminthol** 1985 Sep; 59(3):263–6

[Pyruvate kinase from Calicophoron ijimai trematodes and its potential inhibition by anthelmintic preparations] Iarygina GV, et al. **Parazitologiia** 1986 Jan–Feb;20(1):53–60 (Eng. Abstr.) **(Rus)**

[Malate dehydrogenase and lactate dehydrogenase in trematodes and turbellarians] Vykhrestiuk NP, et al. **Zh Evol Biokhim Fiziol** 1986 Jan–Feb;22(1):24–9 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

[Intermediate host of the trematode Quinqueserialis quinqueserialis (Trematoda, Notocotylidae) in the USSR and the morphology of its parthenitae and larvae] Zhaltsanova DS, et al. **Parazitologiia** 1986 Jul–Aug; 20(4):323–6 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Trematodes, excluding schistosomes with special emphasis on Fasciola. Hughes DL. **Curr Top Microbiol Immunol** 1985;120:241–60 (107 ref.)

ISOLATION & PURIFICATION

Trematodes of fishes from the Red Sea. Two new species of Lepidapedon Stafford, 1904 (Lepocreadiidae). Abdel Aal TM, et al. **J Egypt Soc Parasitol** 1985 Jun;15(1):165–70

Echinostome parasites of aquatic birds in Assiut G. genus Echinostoma (Rudolph, 1909). Sakla AA. **J Egypt Soc Parasitol** 1985 Jun;15(1):187–94

Aspidogastrid and digenetic trematode parasites of marine fishes of the coast of Rio de Janeiro State, Brazil. Fernandes BM, et al. **Rev Bras Biol** 1985 Feb–May;45(1–2):109–16

[Seasonal distribution and natural infection with Pagumogonimus skrjabini in Pseudobythinella shimenensis] Li MG, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1985;3(2):101–3 (Eng. Abstr.) **(Chi)**

PATHOGENICITY

[Lymnaea truncatula (Müller, 1774)—the 1st and 2d intermediate hosts of Echinostoma revolutum (Fröhlich, 1802) and Hypoderaeum conoideum (Bloch, 1782)] Skovronskiĭ RV. **Parazitologiia** 1985 Jul–Aug;19(4):323–4 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Excystment of the metacercaria of the trematode Mesocoelium monodi. Fashuyi SA. **Int J Parasitol** 1986 Jun;16(3):237–9

The responses of Philophthalmus gralli and P. megalurus miracidia to light, gravity and magnetic fields. Stabrowski A, et al. **Int J Parasitol** 1985 Oct;15(5):551–5

A comparison of Texan and Hawaiian strains of the avian eyefluke, philophthalmus gralli, with a cautionary note on the importation of exotic animals. Nollen PM, et al. **J Parasitol** 1985 Oct;71(5):618–24

Diplostomum spathaceum (Rud. 1819): effects of physical factors on the infection of rainbow trout (Salmo gairdneri) by cercariae. Stables JN, et al. **Parasitology** 1986 Aug;93 (Pt 1):71–9

Retention and egg production of Microphallus pygmaeus in mice: the influence of the adrenal cortex. Ahmad RA, et al. **Z Parasitenkd** 1986;72(4):479–85

TREMATODE INFECTIONS

COMPLICATIONS

Impairment of primary expulsion of Echinostoma revolutum in mice concurrently infected with Schistosoma mansoni. Christensen NO, et al. **J Helminthol** 1985 Dec;59(4):333–5

DRUG THERAPY

Anthelmintic effect of praziquantel on Pharyngostomum cordatum in domestic cats. Fukase T, et al. **Nippon Juigaku Zasshi** 1986 Jun;48(3):569–77

The treatment of Fasciolopsis buski infection in children: a comparison of thiabendazole, mebendazole, levamisole, pyrantel pamoate, hexylresorcinol and tetrachloroethylene. Rabbani GH, et al. **Trans R Soc Trop Med Hyg** 1985; 79(4):513–5

ENZYMOLOGY

Histochemical studies in experimental heterophyiasis. Bassiouni GA, et al. **J Egypt Soc Parasitol** 1985 Jun; 15(1):109–17

IMMUNOLOGY

Trematodes, excluding schistosomes with special emphasis on Fasciola. Hughes DL. **Curr Top Microbiol Immunol** 1985;120:241–60 (107 ref.)

Echinostoma revolutum: resistance to secondary and superimposed infections in mice. Christensen NO, et al. **Exp Parasitol** 1986 Jun;61(3):311–8

Eosinophil levels in Alaria marcianae (Trematoda) infected mice. Curtsinger CL, et al. **J Parasitol** 1986 Jun;72(3):477–8

Different subpopulations of haemocytes in juvenile, adult and Trichobilharzia ocellata infected Lymnaea stagnalis: a characterization using monoclonal antibodies. Dikkeboom R, et al. **Z Parasitenkd** 1985;71(6):815–9

OCCURRENCE

Outbreak of parasitic gastroenteritis among travelers returning from Africa. Poland GA, et al. **Arch Intern Med** 1985 Dec;145(12):2220–1

Studies on Echinostoma ilocanum in the Philippines. Cross JH, et al. **Southeast Asian J Trop Med Public Health** 1986 Mar;17(1):23–7

[Seasonal distribution and natural infection with Pagumogonimus skrjabini in Pseudobythinella shimenensis] Li MG, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1985;3(2):101–3 (Eng. Abstr.) **(Chi)**

[Epidemiological investigation and experimental infection with Echinochasmus japonicus] Lin JX, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1985;3(2):89–91 (Eng. Abstr.) **(Chi)**

PARASITOLOGY

Retention and egg production of Microphallus pygmaeus in mice: the influence of the adrenal cortex. Ahmad RA, et al. **Z Parasitenkd** 1986;72(4):479–85

[Parasitologic studies, diagnosis and clinical aspects of cercarial dermatitis—public health significance for bathing waters in temperate zones] Kimmig P, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Dec; 181(3–5):390–408 (Eng. Abstr.) **(Ger)**

PATHOLOGY

[Acute necrotic-hemorrhagic pancreatitis caused by Asiatic distomiasis (letter)] Fontaine JP, et al. **Presse Med** 1986 Jun 7;15(23):1100–1 **(Fre)**

TRANSMISSION

Three Egyptian trematodes of fish-eating mammals of family Cyathocotylidae (Poche, 1926). el-Assal FM, et al. **Z Parasitenkd** 1986;72(1):73–8

VETERINARY

Activity of closantel against experimentally induced Fasciloides magna infection in sheep. Stromberg BE, et al. **Am J Vet Res** 1985 Dec;46(12):2527–9

Gastrointestinal parasites of cattle in Nigeria. I. An abattoir survey on the prevalence of trematode parasites. Ogunrinade AF. **Int J Zoonoses** 1985 Mar;12(1):35–8

Cartilage proliferation in response to metacercarial infections of fish gills. Blazer VS, et al. **J Comp Pathol** 1985 Apr; 95(2):273–80

Kidney imperfectness due to natural infection with Renicola ardeolae in an Egyptian wild bird. Hegazi MA. **J Egypt Soc Parasitol** 1986 Jun;16(1):141–6

Schistosome infection in the kelp gull, Larus dominicanus, from Port Elizabeth, Republic of South Africa. Appleton CC, et al. **J Helminthol** 1986 Jun;60(2):143–6

Parasitogenic octavus neuropathy as a cause of mass stranding of Odontoceti. Morimitsu T, et al. **J Parasitol** 1986 Jun;72(3):469–72

A comparison of Texan and Hawaiian strains of the avian

eyefluke, philophthalmus gralli, with a cautionary note on the importation of exotic animals. Nollen PM, et al. **J Parasitol** 1985 Oct;71(5):618–24

Gyrodactylus salmonis (Yin and Sproston, 1948) parasitizing fry of Salvelinus fontinalis (Mitchill). Cusack R, et al. **J Wildl Dis** 1986 Apr;22(2):209–13

Histopathology of infections by Learedius learedi Price, 1934 and Neospirorchis schistosomatoides Price, 1934 (Digenea: Spirorchiidae) in wild green turtles, Chelonia mydas L., from Bermuda. Rand TG, et al. **J Wildl Dis** 1985 Oct; 21(4):461–3

Pathogenesis of Alloglossoides caridicola (Trematoda) infection in the antennal glands of the crayfish Procambarus acutus. Turner HM. **J Wildl Dis** 1985 Oct;21(4):459–61

The epidemiology of diplostomiasis in farmed rainbow trout from north-east Scotland. Stables JN, et al. **Parasitology** 1986 Jun;92 (Pt 3):699–710

Diplostomum spathaceum (Rud. 1819): effects of physical factors on the infection of rainbow trout (Salmo gairdneri) by cercariae. Stables JN, et al. **Parasitology** 1986 Aug;93 (Pt 1):71–9

Treatment of fish parasites. I. Praziquantel effective against Monogenea (Dactylogyrus vastator, Dactylogyrus extensus, Diplozoon paradoxum). Schmahl G, et al. **Z Parasitenkd** 1985;71(6):727–37

[Infestation of the humpback salmon Oncorhynchus gorbuscha (Walbaum) by the metacercariae of the trematode Nanophyetus salmincola schikhobalowi Skrjabin et Podjapolskaya, 1931) n. comb. Filimonova, 1967 (Trematoda, Nanophyetidae) in the Amur basin] Iukhimenko SS, et al. **Med Parazitol (Mosk)** 1986 Jan–Feb; (1):76–9 (Eng. Abstr.) **(Rus)**

TREMOR

Essential tremor. Findley LJ. **Br J Hosp Med** 1986 Jun; 35(6):388, 390–2

Essential tremor in Nigerians: a prospective study of 35 cases. Longe AC. **East Afr Med J** 1985 Sep;62(9):672–6

CHEMICALLY INDUCED

Harmine-, LON-954- and 5-hydroxytryptophan-induced tremors in rats withdrawn from ethanol. Gothóni P. **Acta Pharmacol Toxicol (Copenh)** 1985 Jul;57(1):40–6

Tremor induced by procainamide. Rubinstein A, et al. **Am J Cardiol** 1986 Feb 1;57(4):340–1

Cholinergic involvement in the modulation of oxotremorine-tremor in mice by propranolol. Alkondon M, et al. **Arch Int Pharmacodyn Ther** 1985 Sep;277(1):161–7

Lithium–methyldopa interaction. Yassa R. **Can Med Assoc J** 1986 Jan 15;134(2):141–2

Involvement of beta 2-adrenoceptor blockade and 5-hydroxytryptamine mechanism in inhibition of harmaline-induced tremors in rats. Paul V. **Eur J Pharmacol** 1986 Mar 11;122(1):111–5

Central cholinergic–dopaminergic interaction in carbaryl-induced tremor. Ray SK, et al. **Eur J Pharmacol** 1985 Dec 17;119(3):251–3

The potent tremorgenic neurotoxins lolitrem B and aflatrem: a comparison of the tremor response in mice. Gallagher RT, et al. **Experientia** 1986 Jul 15;42(7):823–5

L-dopa-induced asterixis. Kobayashi I, et al. **Folia Psychiatr Neurol Jpn** 1985;39(4):507–13

Tremorgenic mycotoxins. Steyn PS, et al. **Fortschr Chem Org Naturst** 1985;48:1–80 (131 ref.)

Withdrawal reactions from oral flupenthixol [letter] Manchanda R. **J Clin Psychopharmacol** 1985 Oct; 5(5):309–11

Pharmacological effects of the tremorgenic mycotoxin fumitremorgin A. Nishiyama M, et al. **Jpn J Pharmacol** 1986 Apr;40(4):481–9

Ethanol withdrawal tremor potentiates the tremorogenic action of nicotine. Gothóni P, et al. **Med Biol** 1985; 63(3):131–6

Overdosage of subcutaneous terbutaline in the treatment of preterm labor. Hill WC. **Nebr Med J** 1986 Jul;71(7):242–3

Tremor at rest episodes in unilaterally 6-OHDA-induced substantia nigra lesioned rats: EEG–EMG and behavior. Buonamici M, et al. **Neuropharmacology** 1986 Mar; 25(3):323–5

Neurobehavioral effects of permethrin are associated with alterations in regional levels of biogenic amine metabolites and amino acid neurotransmitters. Hudson PM, et al. **Neurotoxicology** 1986 Spring;7(1):143–53

Serotonin receptors in striatum after chlordecone treatment of adult female rats. Uphouse L, et al. **Neurotoxicology** 1986 Spring;7(1):25–32

Ethanol withdrawal tremor does not interact with physostigmine-induced tremor in rat. Gothoni P. **Pharmacol Biochem Behav** 1985 Sep;23(3):339–44

Time course alterations in tremor and muscarinic receptor binding produced by trimethyltin. Slikker W Jr, et al. **Proc West Pharmacol Soc** 1985;28:139–42

Pharmacological modification of DDT-induced tremor and hyperthermia in rats: distributional factors. Herr DW, et al. **Psychopharmacology (Berlin)** 1986;89(3):278–83

Cyanide-induced neurotoxicity: role of neuronal calcium. Johnson JD, et al. **Toxicol Appl Pharmacol** 1986 Jul; 84(3):464–9

[Novel quantitative assessment of the tremorogenic effects of the beta 2-mimetics clenbuterol and salbutamol after oral administration] Schaffler K, et al. **Arzneimittelforschung** 1985;35(8):1299–302 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Tremor headaches [letter] Singer RS. **Headache** 1986 Apr; 26(4):210

DIAGNOSIS

An elderly patient with tremors and depression. Bacon-Green Y, et al. **Hosp Pract [Off]** 1985 Dec 15; 20(12):68C–68D

Writing tremor: its relationship to essential tremor [letter] Koller WC, et al. **J Neurol Neurosurg Psychiatry** 1986 Feb; 49(2):220

Physiologic and essential tremor. Elble RJ. **Neurology** 1986 Feb;36(2):225–31

Documentation of tremor in patients with central nervous system lesions. A clinical report. Bohannon RW. **Phys Ther** 1986 Feb;66(2):229–30

[Use of tremometry for evaluating the status of the neuromuscular system in sailors] Kushnirenko EA, et al. **Voen Med Zh** 1985 Jul;(7):52–4 **(Rus)**

DRUG THERAPY

Clozapine in the treatment of tremor. Pakkenberg H, et al. **Acta Neurol Scand** 1986 Mar;73(3):295–7

Amantadine may be useful in essential tremor [letter] Obeso JA, et al. **Ann Neurol** 1986 Jan;19(1):99–100

Treatment of essential tremor—further comment [letter] Young RR. **Ann Neurol** 1985 Sep;18(3):368–9

Attenuation of response to mental stress in patients with essential tremor treated with metoprolol. Gengo FM, et al. **Arch Neurol** 1986 Jul;43(7):687–9

Dose–response relationship of propranolol in the treatment of essential tremor. Koller WC. **Arch Neurol** 1986 Jan; 43(1):42–3

Successful treatment of cerebellar tremor with clonazepam [letter] Sandyk R. **Clin Pharm** 1985 Nov–Dec;4(6):615, 618

Tremor: an alternative approach for investigating adrenergic mechanisms in thyrotoxicosis? Abila B, et al. **Clin Sci** 1985 Oct;69(4):459–63

The effect of propranolol on whole-body microvibrations during examination stress. Koller EA, et al. **Eur J Appl Physiol** 1986;55(3):307–14

Primidone in essential tremor of the hands and head: a double blind controlled clinical study. Findley LJ, et al. **J Neurol Neurosurg Psychiatry** 1985 Sep;48(9):911–5

The response to isoniazid of action tremor in multiple sclerosis and its assessment using polarised light goniometry. Francis DA, et al. **J Neurol Neurosurg Psychiatry** 1986 Jan;49(1):87–9

A comparison of primidone, propranolol, and placebo in essential tremor, using quantitative analysis. Gorman WP, et al. **J Neurol Neurosurg Psychiatry** 1986 Jan;49(1):64–8

Isoniazid and action tremor in multiple sclerosis [letter] Hallett M. **J Neurol Neurosurg Psychiatry** 1985 Sep; 48(9):957

Ineffectiveness of phenoxybenzamine in essential tremor [letter] Koller WC. **J Neurol Neurosurg Psychiatry** 1986 Feb;49(2):222

Ineffective treatment of essential tremor with an alcohol, methylpentynol. Teräväinen H, et al. **J Neurol Neurosurg Psychiatry** 1986 Feb;49(2):198–9

Nadolol in posttraumatic intention tremor [letter] Sandyk R. **J Neurosurg** 1986 Jan;64(1):162

Depression of drug-induced tremor by a new isoxazol derivative in mice. Shinozaki H, et al. **Jpn J Pharmacol** 1986 May;41(1):7–14

Time course of a single oral dose of propranolol in essential tremor [letter] Cleeves L, et al. **Neurology** 1986 Jun; 36(6):876

Isoniazid for tremor in multiple sclerosis: a controlled trial. Duquette P, et al. **Neurology** 1985 Dec;35(12):1772–5

Phenobarbitone in essential tremor. Findley LJ, et al. **Neurology** 1985 Dec;35(12):1784–7

Efficacy of primidone in essential tremor. Koller WC, et al. **Neurology** 1986 Jan;36(1):121–4

[Preliminary open multicenter study on the anti-tremorigenic effectiveness of bornaprine (Sormodren)] Bergamasco B, et al. **Minerva Med** 1985 Oct 20;76(40):1877–81 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Surgical treatment of the hyperkinetic form of multiple sclerosis. Kandel EI, et al. **Acta Neurol (Napoli)** 1985 Jun–Aug;7(3–4):345–7

Power spectral analysis of intentional and postural tremor during a simulated heliox dive to 31ATA. Yamasaki M, et al. **Ann Physiol Anthropol** 1985 Apr;4(2):129–36

The influence of fasting and of caffeine intake on finger tremor. Wharrad HJ, et al. **Eur J Clin Pharmacol** 1985; 29(1):37–43

Evidence that a disordered servo-like mechanism contributes to tremor in movements during cerebellar dysfunction. Hore J, et al. **J Neurophysiol** 1986 Jul;56(1):123–36

Tremor following peripheral nerve injury [letter] Sandyk R, et al. **J Neurosurg** 1986 Jun;64(6):984–5

Tremor in chronic alcoholism. Koller W, et al. **Neurology** 1985 Nov;35(11):1660–2

Appendicular tremor as a late complication of intracerebral hemorrhage. Schlitt M, et al. **Surg Neurol** 1986 Feb; 25(2):181–4

Is neurological involvement possible in visceral leishmaniasis in Kenya [letter] Chunge CN, et al. **Trans R Soc Trop Med Hyg** 1985;79(6):872

FAMILIAL & GENETIC

Association between familial tremor and Parkinson's disease [letter] Lang AE, et al. **Ann Neurol** 1986 Mar;19(3):306–7

Myelin proteins in the CNS of 'shaking pups'. Inuzuka T, et al. **Brain Res** 1986 Jun;392(1–2):43–50

[A case of hereditary hypertrophic interstitial neuropathy accompanied with cataract, neurogenic deafness and hand tremor] Kaseda Y, et al. **Rinsho Shinkeigaku** 1986 Jan; 26(1):55–8 (Eng. Abstr.) **(Jpn)**

METABOLISM

Effects of p,p'-DDT on the rat brain concentrations of biogenic amine and amino acid neurotransmitters and their association with p,p'-DDT-induced tremor and hyperthermia. Hudson PM, et al. **J Neurochem** 1985 Nov; 45(5):1349–55

[Catecholamine levels in the brain of pt rabbits] Borkowska I, et al. **Neuropatol Pol** 1986;24(1):69–77 (Eng. Abstr.) **(Pol)**

OCCURRENCE

Tremor and tardive dyskinesia. Hansen TE, et al. **J Clin Psychiatry** 1986 Sep;47(9):461–4

[Epidemiologic aspects of essential tremor] Martínez-Martín P. **Arch Neurobiol (Madr)** 1985 Jul–Aug;48(4):189–95 (32 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

A system for quantitative assessment of dyscoordination and tremor. Trier Andersen O. **Acta Neurol Scand** 1986 Mar; 73(3):291–4

Handedness and essential tremor. Biary N, et al. **Arch Neurol** 1985 Nov;42(11):1082–3

The physiology of orthostatic tremor. Thompson PD, et al. **Arch Neurol** 1986 Jun;43(6):584–7

Exercise-induced hand tremor: a possible test for beta 2-adrenoceptor selectivity in man? Abila B, et al. **Br J Clin Pharmacol** 1986 Jul;22(1):104–7

Central beta-adrenoceptors can modulate 5-hydroxytryptamine-induced tremor in rats. Hallberg H. **Br J Pharmacol** 1986 Feb;87(2):403–8

Inhibition of ornithine decarboxylase alters neurological responsiveness to a tremorigen. Tilson HA, et al. **Brain Res** 1986 Jul 30;379(1):147–50

Localization in human thalamus of units triggered during 'verbal commands,' voluntary movements and tremor. Raeva S. **Electroencephalogr Clin Neurophysiol** 1986 Feb; 63(2):160–73

Envelope EMG spectral analysis in the studies of physiological and pathological tremor. Andreeva YeA, et al. **Electromyogr Clin Neurophysiol** 1985 Jul–Aug; 25(5):273–93

Statistical analysis of tremor power spectra in spinal muscular atrophy patients. Dimitrijevic M, et al. **Electromyogr Clin Neurophysiol** 1985 Sep–Oct;25(6):375–93

Differential effects of alpha-adrenoceptor blockade on essential, physiological and isoprenaline-induced tremor: evidence for a central origin of essential tremor. Abila B, et al. **J Neurol Neurosurg Psychiatry** 1985 Oct; 48(10):1031–6

A selective potentiation by naloxone of L-dopa but not atropine suppression of oxotremorine-induced tremor in mice. Quock RM, et al. **J Pharm Pharmacol** 1985 Sep; 37(9):673–4

Disability in essential tremor: effect of treatment. Koller W, et al. **Neurology** 1986 Jul;36(7):1001–4

"Orthostatic tremor' in familial-essential tremor. Wee AS, et al. **Neurology** 1986 Sep;36(9):1241–5

[The effect of clonazepam on physiological tremor] Kadaňka Z. **Cesk Neurol Neurochir** 1986 Mar;49(2):116–21 (Eng. Abstr.) **(Cze)**

PREVENTION & CONTROL

The tremorolytic action of beta-adrenoceptor blockers in essential, physiological and isoprenaline-induced tremor is mediated by beta-adrenoceptors located in a deep peripheral compartment. Abila B, et al. **Br J Clin Pharmacol** 1985 Oct;20(4):369–76

Effect of 2-aminophosphonoheptanoic acid on the EEG of rats exposed to high pressure. Wardley-Smith B, et al. **Undersea Biomed Res** 1986 Jun;13(2):155–63

REHABILITATION

A weighted wrist cuff. Dahlin-Webb SR. **Am J Occup Ther** 1986 May;40(5):363–4

SURGERY

Changes in cerebral blood flow after stereotactic thalamotomy. Kullberg G, et al. **Appl Neurophysiol** 1985; 48(1–6):362–6

Tremor and peripheral nerve entrapment. Case report. Little JW, et al. **J Neurosurg** 1986 Jan;64(1):145–7

[Stereotactic selective thalamotomy for tremor] Ohye C.

No Shinkei Geka 1985 Jul;13(7):707–16 (Jpn)

THERAPY

[Treatment of tremor] Marttila R, et al. Duodecim 1985; 101(20):1987–93 (Fin)

VETERINARY

Porcine congenital tremor type AII: spinal cord morphometry. Done JT, et al. Br Vet J 1986 Mar–Apr; 142(2):145–50

Tremor and ataxia in a West Highland white terrier [letter] Ross JA. Vet Rec 1985 Jul 20;117(3):71

[Genetical analysis and characterization of a new mutant, black tremor appearing in the Syrian hamster] Mizutani M, et al. Jikken Dobutsu 1986 Apr;35(2):175–9 (Eng. Abstr.) (Jpn)

[Trembling in slaughtering pigs—an analysis of Swedish swine stock monitoring] Lindström K, et al. Nord Vet Med 1986 Jan–Feb;38(1):22–5 (Eng. Abstr.) (Swe)

TRENBOLONE see under **ESTRENES**

TRENCH MOUTH see **GINGIVITIS, NECROTIZING ULCERATIVE**

TREPHINING

Burr hole third ventriculo-cisternostomy. An unpopular but effective procedure for treatment of certain forms of occlusive hydrocephalus. Jaksche H, et al. Acta Neurochir (Wien) 1986;79(1):48–51

[Pneumoencephalographic changes following resection trepanations of the skull] Starykh VS. Vestn Rentgenol Radiol 1986 May–Jun;(3):43–5 (Eng. Abstr.) (Rus)

METHODS

A modified trephining technique for the insertion of Jones tube. Henderson PN. Arch Ophthalmol 1985 Oct; 103(10):1582–5

TREPONEMA

ANALYSIS

Treponema phagedenis has at least two proteins residing together on its periplasmic flagella. Limberger RJ, et al. J Bacteriol 1986 Apr;166(1):105–12

CLASSIFICATION

Microscopic agglutination and polyacrylamide gel electrophoresis analyses of oral anaerobic spirochetes. Tall BD, et al. J Clin Microbiol 1986 Aug;24(2):282–7

Comparative study of six random oral spirochete isolates. Serological heterogeneity of Treponema denticola. Cheng SL, et al. J Periodont Res 1985 Nov;20(6):602–12

ENZYMOLOGY

Purification and characterization of an enzyme produced by Treponema denticola capable of hydrolyzing synthetic trypsin substrates. Ohta K, et al. Infect Immun 1986 Jul; 53(1):213–20

GROWTH & DEVELOPMENT

Effect of fluoride on Treponema denticola. Hughes CA, et al. Infect Immun 1986 Jun;52(3):914–5

Eliminating organisms against Treponema hyodysenteriae in the gut of mice. Suenaga I, et al. Zentralbl Bakteriol Mikrobiol Hyg [A] 1986 May; 261(3):322–9

IMMUNOLOGY

Bactericidal effect of normal swine sera on Treponema hyodysenteriae. Joens LA, et al. Infect Immun 1986 Jan; 51(1):282–5

The surface of virulent Treponema pallidum: resistance to antibody binding in the absence of complement and surface association of recombinant antigen 4D. Radolf JD, et al. Infect Immun 1986 May;52(2):579–85

Extensive cross reactivity between Treponema pallidum and cultivable treponemes demonstrated by sequential immunoadsorption. Wos SM, et al. Int Arch Allergy Appl Immunol 1986;79(3):282–5

Correlation of treponemicidal activity in normal human serum with the presence of IgG antibody directed against polypeptides of Treponema phagedenis biotype Reiter and Treponema pallidum, Nichols strain. Blanco DR, et al. J Immunol 1986 Sep 15;137(6):2031–6

Serum antibodies in young adult humans reactive with periodontitis associated treponemes. Tew JG, et al. J Periodont Res 1985 Nov;20(6):580–90

Identification of glycosylated protein antigens of Treponema pallidum and Treponema phagedenis. Moskophidis M, et al. Zentralbl Bakteriol Mikrobiol Hyg [A] 1985 Jul; 259(4):468–76

ISOLATION & PURIFICATION

Percoll-purified Treponema pallidum, an improved fluorescent treponemal antibody-absorbed antigen. Hanff PA, et al. J Clin Microbiol 1986 May;23(5):980–2

METABOLISM

The metabolic activation of ronidazole [(1-methyl-5-nitroimidazole-2-yl)-methyl carbamate] to reactive metabolites by mammalian, cecal bacterial and T. foetus enzymes. Miwa GT, et al. Biochem Pharmacol 1986 Jan 1;35(1):33–6

PATHOGENICITY

Electron microscopic studies on the interaction between normal mice peritoneal phagocytes and Treponema hyodysenteriae, Treponema innocens and Bacteroides vulgatus. Albassam MA, et al. Can J Vet Res 1986 Jan; 50(1):88–95

Adherence of oral treponemes and their effect on morphological damage and detachment of epithelial cells in vitro. Reijntjens FM, et al. Infect Immun 1986 Feb; 51(2):642–7

PHYSIOLOGY

Treponema saccharophilum sp. nov., a large pectinolytic spirochete from the bovine rumen. Paster BJ, et al. Appl Environ Microbiol 1985 Aug;50(2):212–9

Effects of the inorganic salts sodium chloride, sodium bicarbonate, and magnesium sulfate upon the growth and motility of Treponema vincentii. Wolinsky LE, et al. J Periodontol 1986 Mar;57(3):172–5

ULTRASTRUCTURE

On ultrastructure and motility of spirochetes. Blaha T, et al. Acta Vet Hung 1985;33(1–2):3–12

Electron microscopic demonstration of connective fibrils between outer sheath and wall-membrane complex in Treponema phagedenis. Masuda K, et al. Microbiol Immunol 1986;30(2):183–5

Isolation, and structural and chemical characterization of outer sheath carrying a polygonal array from Treponema phagedenis biotype Reiter. Masuda K, et al. Microbiol Immunol 1986;30(5):401–11

[Ultrastructure and function of bacterial cells, with special reference to the structural analysis of protein layers of the cell surface] Kawata T. Nippon Saikingaku Zasshi 1985 Nov;40(6):859–73 (Jpn)

TREPONEMA IMMOBILIZATION TEST

Immune immobilization of Treponema pallidum: antibody and complement interactions revisited. Rice M, et al. Can J Microbiol 1985 Dec;31(12):1147–51

[Usefulness of the TPI test as a method of verification of doubtful sera] Budkiewicz-Juchnowicz B, et al. Przegl Dermatol 1985 Sep–Oct;72(5):417–23 (Eng. Abstr.) (Pol)

[Is it the twilight of the Nelson-Mayer test? II. Evaluation of the necessity of verification of sera tested for syphilis by the TPI reaction] Ruczkowska J. Przegl Dermatol 1985 May–Jun;72(3):274–81 (Eng. Abstr.) (Pol)

TREPONEMA PALLIDUM

ANALYSIS

Mucopolysaccharides in suspensions of Treponema pallidum extracted from infected rabbit testes. van der Sluis JJ, et al. Genitourin Med 1985 Feb;61(1):7–12

Immunodiagnostic test for detection of serum antibody to Treponema pallidum (syphilis): fibronectin as a capture vehicle for treponemal adhesins. Alderete JF, et al. J Immunol Methods 1985 Nov 28;84(1–2):365–73

DRUG EFFECTS

Comparative in vitro susceptibility of Treponema pallidum to ceftizoxime, ceftriaxone and penicillin G. Korting HC, et al. Chemotherapy 1986;32(4):352–5

Survival of treponemes after treatment: comments, clinical conclusions, and recommendations. Dunlop EM. Genitourin Med 1985 Oct;61(5):293–301

Effect of four serum components on survival of Treponema pallidum and its attachment to rabbit cells in vitro. Wong GH, et al. Genitourin Med 1986 Feb;62(1):1–3

[Isolation of Nichols strain of Treponema pallidum with changed sensitivity to erythromycin] Niczyporuk W, et al. Przegl Dermatol 1985 Mar–Apr;72(2):169–71 (Pol)

GROWTH & DEVELOPMENT

Factors affecting the multiplication and subculture of Treponema pallidum subsp. pallidum in a tissue culture system. Norris SJ, et al. Infect Immun 1986 Sep;53(3):534–9

IMMUNOLOGY

Effect of intravenous fluorescein on fluorescent treponemal antibody testing. Jost BF, et al. Am J Ophthalmol 1986 Aug 15;102(2):278–9

Immobilization and neutralization of Treponema pallidum attached to cultured mammalian cells. Fitzgerald T. Can J Microbiol 1985 Dec;31(12):1152–6

Immune immobilization of Treponema pallidum: antibody and complement interactions revisited. Rice M, et al. Can J Microbiol 1985 Dec;31(12):1147–51

Preliminary investigation of the relationship between malaria, anaemia, parasite density, malaria specific antibody and syphilis reactivity in Ndola Central Hospital—Zambia. Olweny CL, et al. Cent Afr J Med 1985 Oct;31(10):197–203

Monoclonal antibodies to immunodominant surface-exposed protein antigens of Treponema pallidum. Moskophidis M, et al. Eur J Clin Microbiol 1985 Oct;4(5):473–7

Monoclonal antibodies to Treponema pallidum: recognition of a major polypeptide antigen. Thornburg RW, et al. Genitourin Med 1985 Feb;61(1):1–6

Antigenic contents of Treponema pallidum preparations. Wos SM, et al. Genitourin Med 1986 Apr;62(2):71–4

Native surface association of a recombinant 38-kilodalton Treponema pallidum antigen isolated from the Escherichia coli outer membrane. Fehniger TE, et al. Infect Immun 1986 May;52(2):586–93

Molecular specificities of monoclonal antibodies directed against virulent Treponema pallidum. Marchitto KS, et al. Infect Immun 1986 Jan;51(1):168–76

Acquired resistance and expression of a protective humoral immune response in guinea pigs infected with Treponema pallidum Nichols. Pavia CS, et al. Infect Immun 1985 Oct; 50(1):66–72

Transfer of resistance to syphilitic infection from maternal to newborn guinea pigs. Pavia CS. Infect Immun 1986 Jan; 51(1):365–8

Serological characterization and gene localization of an Escherichia coli-expressed 37-kilodalton Treponema pallidum antigen. Rodgers GC, et al. Infect Immun 1986 Jul;53(1):16–23

Development of increased serum immunoblot reactivity against a 45,000-dalton polypeptide of Treponema pallidum (Nichols) correlates with establishment of chancre immunity in syphilitic rabbits. Strugnell RA, et al. Infect Immun 1986 Mar;51(3):957–60

Monoclonal antibody selection and analysis of a recombinant DNA-derived surface immunogen of Treponema pallidum expressed in Escherichia coli. Swancutt MA, et al. Infect Immun 1986 Apr;52(1):110–9

Extensive cross reactivity between Treponema pallidum and cultivable treponemes demonstrated by sequential immunoadsorption. Wos SM, et al. Int Arch Allergy Appl Immunol 1986;79(3):282–5

Properties of an ordered ring structure formed by recombinant Treponema pallidum surface antigen 4D. Fehniger TE, et al. J Bacteriol 1986 Mar;165(3):732–9

Serospecificity of a cloned protease-resistant Treponema pallidum—specific antigen expressed in Escherichia coli. Coates SR, et al. J Clin Microbiol 1986 Mar;23(3):460–4

Surface properties of Treponema pallidum in relation to phagocytosis by human polymorphonuclear leucocytes in vitro. Cockayne A, et al. J Gen Microbiol 1986 Jan;132 (Pt 1):133–41

Correlation of treponemicidal activity in normal human serum with the presence of IgG antibody directed against polypeptides of Treponema phagedenis biotype Reiter and Treponema pallidum, Nichols strain. Blanco DR, et al. J Immunol 1986 Sep 15;137(6):2031–6

Effect of immune serum and its immunoglobulin fractions on hamsters challenged with Treponema pallidum ssp. pertenue. Azadegan AA, et al. J Infect Dis 1986 Jun; 153(6):1007–13

Serodiagnosis of syphilis by enzyme-linked immunosorbent assay with purified recombinant Treponema pallidum antigen 4D. Radolf JD, et al. J Infect Dis 1986 Jun; 153(6):1023–7

Characterization of the humoral immune response of the rabbit to antigens of Treponema pallidum after experimental infection and therapy. Lukehart SA, et al. Sex Transm Dis 1986 Jan–Mar;13(1):9–15

Identification of glycosylated protein antigens of Treponema pallidum and Treponema phagedenis. Moskophidis M, et al. Zentralbl Bakteriol Mikrobiol Hyg [A] 1985 Jul; 259(4):468–76

[The 19 S. IgM-FTA-Test in the diagnosis of syphilis] Mezzadra G. G Ital Dermatol Venereol 1983 May–Jun; 118(3):127–9 (Eng. Abstr.) (Ita)

[Monovalent syphilitic fluorescent reactions in the serological diagnosis of syphilis] Gibowski M, et al. Przegl Dermatol 1985 Mar–Apr;72(2):164–8 (Eng. Abstr.) (Pol)

[Evaluation of Treponema pallidum hemagglutination test based on the specimens from patients of the Dermatological Clinic, Medical Academy in Poznań] Gibowski M, et al. Przegl Dermatol 1985 Mar–Apr;72(2):158–63 (Eng. Abstr.) (Pol)

[Specific antitreponemal antibodies 19 S IgM in patients with syphilis] Gibowski M, et al. Przegl Dermatol 1985 Mar–Apr;72(2):153–7 (Eng. Abstr.) (Pol)

[Role of thermolabile antigenic component of Treponema pallidum in inducing skin reaction for delayed hypersensitivity] Podwińska J. Przegl Dermatol 1985 Mar–Apr;72(2):129–31 (Pol)

[Physico-chemical characteristics of antitreponemal lymphotoxin from lymphocytes of syphilitic rabbits] Podwińska J, et al. Przegl Dermatol 1985 Mar–Apr; 72(2):132–3 (Pol)

[Role of immunological reaction of the cellular type in protection of the body against Treponema pallidum

infection] Podwińska J. Przegl Dermatol 1985 Mar–Apr; 72(2):113–23 (Eng. Abstr.) (Pol)

ISOLATION & PURIFICATION

Treponema pallidum in macular and papular secondary syphilitic skin eruptions. Poulsen A, et al. Acta Derm Venereol (Stockh) 1986;66(3):251–8

Transfusion syphilis, survival of Treponema pallidum in stored donor blood. II. Dose dependence of experimentally determined survival times. van der Sluis JJ, et al. Vox Sang 1985;49(6):390–9

[Separation and purification of Treponema pallidum by density gradient. Technical note] Tringali G, et al. Quad Sclavo Diagn 1985 Dec;21(4):455–61 (Eng. Abstr.) (Ita)

[Isolation of cellular structures from cultured Treponema pallidum and study of their antigenic properties in complement fixation tests] Pozharskaia VO. Vestn Dermatol Venerol 1985 Sep;(9):16–9 (Eng. Abstr.) (Rus)

METABOLISM

Binding of glycosaminoglycans to the surface of Treponema pallidum and subsequent effects on complement interactions between antigen and antibody. Fitzgerald TJ, et al. Genitourin Med 1985 Feb;61(1):13–20

Enhanced levels of attachment of fibronectin–primed Treponema pallidum to extracellular matrix. Thomas DD, et al. Infect Immun 1986 Jun;52(3):736–41

PATHOGENICITY

Differences in susceptibility to infection with Treponema pallidum (Nichols) between five strains of guinea pig. Wicher K, et al. Genitourin Med 1985 Feb;61(1):21–6

PHYSIOLOGY

Fibronectin tetrapeptide is target for syphilis spirochete cytadherence. Thomas DD, et al. J Exp Med 1985 Nov 1;162(5):1715–9

ULTRASTRUCTURE

The ultrastructure of treponema pallidum isolated from human chancres. Morphologic variations from Nichols' strain. Poulsen A, et al. Acta Derm Venereol (Stockh) 1985; 65(5):367–73

Electron microscopy of Treponema pallidum (Nichols) cultivated in tissue cultures of Sf1Ep cells. Konishi H, et al. Infect Immun 1986 Jul;53(1):32–7

The outer membrane of Treponema pallidum: biological significance and biochemical properties. Penn CW, et al. J Gen Microbiol 1985 Sep;131 (Pt 9):2349–57

TREPONEMAL INFECTIONS

COMPLICATIONS

Treponematoses and tropical spastic paraparesis [letter] Rodgers–Johnson P, et al. Lancet 1986 Apr 5;1(8484):809

DIAGNOSIS

Specific immunoglobulin M and G antibodies in the rapid diagnosis of human treponemal infections. Müller F. Diagn Immunol 1986;4(1):1–9 (71 ref.)

ETIOLOGY

Experimental infection of young broiler chicks with Treponema hyodysenteriae. Adachi Y, et al. Microbiol Immunol 1985;29(8):683–8

IMMUNOLOGY

The participation of activated peritoneal macrophages in Treponema pallidum subspecies pertenue infection in Syrian hamsters. Tabor DR, et al. J Leukocyte Biol 1985 Nov;38(5):625–34

MICROBIOLOGY

Eliminating organisms against Treponema hyodysenteriae in the gut of mice. Suenaga I, et al. Zentralbl Bakteriol Mikrobiol Hyg [A] 1986 May; 261(3):322–9

PHYSIOPATHOLOGY

Treponemal infections: progress toward a better understanding. Musher DM. J Infect Dis 1986 Jun; 153(6):1005–6

VETERINARY

Passive protection of segmented swine colonic loops against swine dysentery. Joens LA, et al. Am J Vet Res 1985 Nov; 46(11):2369–71

Ultrastructural characterization of colonic lesions in pigs inoculated with Treponema hyodysenteriae. Albassam MA, et al. Can J Comp Med 1985 Oct;49(4):384–90

Probable elimination of swine dysentery after feeding ronidazole, carbadox or lincomycin and verification by feeding sodium arsanilate. Olson LD. Can J Vet Res 1986 Jul;50(3):365–8

Feeding sodium arsanilate for exciting diarrhea and identifying carriers of swine dysentery. Olson LD, et al. Can J Vet Res 1986 Jul;50(3):359–64

Tiamulin in drinking water for treatment and development of immunity to swine dysentery. Olson LD. J Am Vet Med Assoc 1986 May 15;188(10):1165–70

TRETAMINE see TRIETHYLENEMELAMINE

TRETINOIN

Detection of radical species in haematin–catalysed retinoic acid 5,6–epoxidation by using h.p.l.c.–e.p.r. spectrometry. Iwahashi H, et al. Biochem J 1986 Jun 1;236(2):509–14

Lack of effect of isotretinoin on thyroid–function tests [letter] O'Leary TJ, et al. Clin Chem 1986 May;32(5):913–4

Effect of 13–cis–retinoic acid on the spontaneous thymic lymphoma development in AKR mice. Przybyszewska M, et al. Neoplasma 1986;33(3):341–4

Synthesis of coenzyme A ester of retinoic acid: intermediate in vitamin A metabolism. Kutner A, et al. Proc Natl Acad Sci USA 1986 Sep;83(18):6781–4

ADMINISTRATION & DOSAGE

Inhibition of hamster tongue carcinogenesis by selenium and retinoic acid. Goodwin WJ Jr, et al. Ann Otol Rhinol Laryngol 1986 Mar–Apr;95(2 Pt 1):162–6

Synergistic anticellular effect of a combination of beta–interferon and retinoic acid against U937 cells. Ho CK. Cancer Res 1985 Nov;45(11 Pt 1):5348–51

Clinical toxicity of low–dose isotretinoin. Edwards L, et al. Cancer Treat Rep 1986 May;70(5):663–4

Dose and schedule of oral retinoic acid and indomethacin needed to effectively inhibit phorbol ester–induced epidermal ornithine decarboxylase activity. Loprinzi CL, et al. Carcinogenesis 1985 Nov;6(11):1589–92

The efficacy of retinoic acid ointment for treatment of xerophthalmia and corneal epithelial wounds. Ubels JL, et al. Curr Eye Res 1985 Oct;4(10):1049–57

The effects of local application of retinoic acid on limb development and regeneration in tadpoles of Xenopus laevis. Scadding SR, et al. J Embryol Exp Morphol 1986 Feb;91:55–63

Cellular immune functions of adults treated with a daily, long–term, low dose of 13–cis retinoic acid. Watson RR, et al. J Leukocyte Biol 1986 May;39(5):567–77

1–B–D arabinofuranosyl cytosine and all–trans retinoic acid in combination accelerates and increases monocyte differentiation of myeloid leukemic cells. Chomienne C, et al. Leuk Res 1986;10(6):631–6

Histologic changes associated with the topical use of isotretinoin on oral lichen planus. Regezi JA, et al. Oral Surg Oral Med Oral Pathol 1986 May;61(5):479–84

Topical retinoic acid therapy for disorders of the outer eye. Wright P. Trans Ophthalmol Soc UK 1985;104 (Pt 8):869–74

ADVERSE EFFECTS

Retinoid dermatitis mimicking "eczéma craquelé" [letter] Taïeb A, et al. Acta Derm Venereol (Stockh) 1985;65(6):570

Differential hepatotoxicity of two oral retinoids (etretinate and isotretinoin) in a patient with palmoplantar psoriasis. Vahlquist A, et al. Acta Derm Venereol (Stockh) 1985; 65(4):359–62

Adverse ocular reactions possibly associated with isotretinoin. Fraunfelder FT, et al. Am J Ophthalmol 1985 Oct 15;100(4):534–7

Isotretinoin and Staphylococcus aureus infection. A possible association. Graham ML 2d, et al. Arch Dermatol 1986 Jul; 122(7):815–7

Abnormal retinal function associated with isotretinoin therapy for acne. Weleber RG, et al. Arch Ophthalmol 1986 Jun;104(6):831–7

Hyperlipidaemia due to isotretinoin and etretinate: possible mechanisms and consequences. Marsden J. Br J Dermatol 1986 Apr;114(4):401–7 (42 ref.)

Muscle damage induced by isotretinoin. Hodak E, et al. Br Med J [Clin Res] 1986 Aug 16;293(6544):425–6

Accutane–induced teratogenesis (correction) [letter] Can Med Assoc J 1986 Feb 1;134(3):216

Accutane–induced teratogenesis [letter] Can Med Assoc J 1986 Feb 15;134(4):308

Accutane–induced teratogenesis. Robertson R, et al. Can Med Assoc J 1985 Dec 1;133(11):1147–8

Isotretinoin in the treatment of steatocystoma multiplex: a possible adverse reaction. Rosen BL, et al. Cutis 1986 Feb; 37(2):115, 120

Revisions in isotretinoin labeling. FDA Drug Bull 1985 Aug; 15(2):20–1

Granulation tissue proliferation during isotretinoin treatment. Puig L, et al. Int J Dermatol 1986 Apr;25(3):191–3

Minimal spinal hyperostosis with low–dose isotretinoin therapy. Kilcoyne RF, et al. Invest Radiol 1986 Jan; 21(1):41–4

Isotretinoin–associated granulation tissue treated with occlusive corticosteroid tape [letter] Azulay DR, et al. J Am Acad Dermatol 1985 Nov;13(5 Pt 1):837

Isotretinoin–associated granulation tissue treated with occlusive corticosteroid tape [letter] Azulay DR, et al. J Am Acad Dermatol 1985 Oct;13(4):670–1

Inflammatory bowel disease and isotretinoin [letter] Brodin MB. J Am Acad Dermatol 1986 May;14(5 Pt 1):843

Abnormal night vision and altered dark adaptometry in patients treated with isotretinoin for acne [letter] Denman S, et al. J Am Acad Dermatol 1986 Apr;14(4):692–3

Serum calcium concentrations during treatment with isotretinoin [letter] Duncan WE, et al. J Am Acad Dermatol 1986 Jun;14(6):1096

Atypical pyoderma as a side effect of isotretinoin [letter] Elpern DJ. J Am Acad Dermatol 1985 Dec;13(6):1045–6

Exercise–induced bronchoconstriction related to isotretinoin therapy [letter] Fisher DA. J Am Acad Dermatol 1985 Sep; 13(3):524

Corneal effect of isotretinoin: possible exacerbation of corneal neovascularization in a patient with the keratitis, ichthyosis, deafness ("KID") syndrome [letter] Hazen PG, et al. J Am Acad Dermatol 1986 Jan;14(1):141–2

Thyrotoxicosis developing while on isotretinoin [letter] Minuk E, et al. J Am Acad Dermatol 1986 Jul;15(1):120

Atypical keloids after dermabrasion of patients taking isotretinoin. Rubenstein R, et al. J Am Acad Dermatol 1986 Aug;15(2 Pt 1):280–5

Oral isotretinoin and inflammatory bowel disease [letter] Schleicher SM. J Am Acad Dermatol 1985 Nov;13(5 Pt 1):834–5

Creatine phosphokinase levels and isotretinoin therapy [letter] Tripp TB, et al. J Am Acad Dermatol 1986 Jan; 14(1):130–2

A new cutaneous side effect of isotretinoin [letter] Wantzin GL, et al. J Am Acad Dermatol 1985 Oct;13(4):665

Photosensitivity and isotretinoin therapy [letter] Wong RC, et al. J Am Acad Dermatol 1986 Jun;14(6):1095–6

Retinoic acid embryopathy [letter] N Engl J Med 1986 Jul 24;315(4):262–3

Changes in plasma lipids and lipoproteins during isotretinoin therapy for acne. Bershad S, et al. N Engl J Med 1985 Oct 17;313(16):981–5

Isotretinoin for acne: the experience broadens [editorial] Pochi PE. N Engl J Med 1985 Oct 17;313(16):1013–4

Acne fulminans with severe myalgia precipitated by isotretinoin therapy [letter] Huston NR, et al. NZ Med J 1985 Sep 25;98(787):821

Moral dilemma: two views [letter] Pedulla DM. Postgrad Med 1986 May 1;79(6):34–5

Retinoid–induced ossification of the posterior longitudinal ligament. Pennes DR, et al. Skeletal Radiol 1985; 14(3):191–3

[Eruption of fleshy nodules during tretinoin treatment of acne (letter)] Dal Tio R. Dermatologica 1985;171(5):376–7 (Fre)

[Paronychia and the formation of granulation tissue during isotretinoin therapy] De Raeve L, et al. Dermatologica 1986;172(5):278–80 (Eng. Abstr.) (Fre)

[Acne conglobata: unusual course in 13–cis–retinoic acid therapy] Stary A. Hautarzt 1986 Jan;37(1):28–30 (Eng. Abstr.) (Ger)

[Side–effects from isotretinoin (editorial)] Dinai I, et al. Harefuah 1985 Nov;109(9):254–5 (Heb)

ANALOGS & DERIVATIVES

A new synthetic retinoid, E–5166, augments epidermal beta–adrenergic adenylate cyclase response. Iizuka H, et al. Acta Derm Venereol (Stockh) 1985;65(6):459–64

Retinoyl beta–glucuronide: an endogenous compound of human blood. Barua AB, et al. Am J Clin Nutr 1986 Apr; 43(4):481–5

Biosynthesis of retinoyl–beta–glucuronide, a biologically active metabolite of all–trans–retinoic acid. Miller DA, et al. Arch Biochem Biophys 1986 Jan;244(1):179–86

A novel synthetic vitamin–A–like compound (a polyprenoic acid derivative: E–5166) inhibits UVB–stimulated epidermal ornithine decarboxylase activity. Nemoto O, et al. Arch Dermatol Res 1986;278(5):407–9

Abnormal retinal function associated with fenretinide, a synthetic retinoid. Kaiser–Kupfer MI, et al. Arch Ophthalmol 1986 Jan;104(1):69–70

Teratogenesis and reproductive safety evaluation of the retinoid etretin (Ro 10–1670). Kistler A, et al. Arch Toxicol 1985 Oct;58(1):50–6

Antipromotional activity of dietary N–(4–hydroxyphenyl)retinamide in two–stage skin tumorigenesis in CD–1 and SENCAR mice. McCormick DL, et al. Cancer Lett 1986 May;31(2):133–8

Long–term effect of 2–hydroxyethyl retinamide on urinary bladder carcinogenesis and tumor transplantation in Fischer 344 rats. Quander RV, et al. Cancer Res 1985 Nov;45(11 Pt 1):5235–9

Retinoid–tamoxifen interaction in mammary cancer chemoprevention. McCormick DL, et al. Carcinogenesis 1986 Feb;7(2):193–6

Dose–dependent suppression by the synthetic retinoid, 4–hydroxyphenyl retinamide, of streptococcal cell wall–induced arthritis in rats. Haraoui B, et al. Int J Immunopharmacol 1985;7(6):903–16

Retinoic acid 5,6–epoxidation by hemoproteins. Iwahashi H, et al. J Biochem (Tokyo) 1986 Jan;99(1):63–71

Therapy with a synthetic retinoid—(Ro 10–1670) etretin—increases the cellular retinoic acid–binding protein in nonlesional psoriatic skin. Siegenthaler G, et al. J Invest Dermatol 1986 Jul;87(1):122–4

Chemical synthesis of all–trans retinoyl beta–glucuronide. Barua AB, et al. J Lipid Res 1985 Oct;26(10):1277–82

Effect of 4–hydroxyphenylretinamide and retinoic acid on proliferation and cell cycle of cultured human breast cancer

cells. Marth C, et al. **JNCI** 1985 Nov;75(5):871–5

Inhibition of radiogenic and chemically induced transformation in C3H/10T–1/2 cells by a polyprenoic acid (E–5166). Borek C, et al. **Jpn J Cancer Res** 1986 Jan; 77(1):5–8

Inhibitory effects of polyprenoic acid (E5166) on production and secretion of alpha–fetoprotein and on cell kinetics in human hepatoma cells. Sasaki K, et al. **Jpn J Cancer Res** 1986 Mar;77(3):264–9

Inhibitory effects of polyprenoic acid (E–5166) on N–2–fluorenylacetamide–initiated hepatocarcinogenesis in rats. Shima H, et al. **Jpn J Cancer Res** 1986 Apr;77(4):351–5

Effect of N–(4–hydroxyphenyl)retinamide on murine mammary tumor cells in culture. Bunk MJ, et al. **Nutr Cancer** 1985;7(1–2):105–15

Activation of retinoic acid by coenzyme A for the formation of ethyl retinoate. Miller DA, et al. **Proc Natl Acad Sci USA** 1985 Oct;82(19):6419–22

[Effects of N–(P–carboxylpheyl)–retinamide on ECa109–C3 cells in vitro—observation with transmission electron microscopy] Ning AA. **Chung Hua Chung Liu Tsa Chih** 1986 Jan;8(1):11–3 (Eng. Abstr.) **(Chi)**

[Inhibitory action of retinoic acid and N–(4–carboxyphenyl)–retinamide on the biosynthesis of DNA, RNA and protein in Ehrlich ascites carcinoma] Song ZP, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Dec; 6(6):418–20 (Eng. Abstr.) **(Chi)**

[The role of activated macrophages in the anti–tumor activity of retinoic acid (RA) and N–(4–carboxyphenyl)–retinamide (RII)] Song ZP, et al. **Shih Yen Sheng Wu Hsueh Pao** 1985 Mar;18(1):43–53 (Eng. Abstr.) **(Chi)**

[Site of action of retinoids] Muto Y. **Nippon Hifuka Gakkai Zasshi** 1985 Oct;95(12 Suppl):1287–9 **(Jpn)**

ANALYSIS

Receptors for retinoic acid and retinol in human mammary carcinomas. Skoog L, et al. **Eur J Cancer Clin Oncol** 1985 Aug;21(8):901–6

Quantification of physiological levels of retinoic acid. Napoli JL. **Methods Enzymol** 1986;123:112–24

ANTAGONISTS & INHIBITORS

Antagonistic effect of glucocorticoids on retinoic acid induced growth inhibition and morphological alterations of a human cell line. Bakke O. **Cancer Res** 1986 Mar; 46(3):1275–9

Suppression by the cyclohexanetrione Ro 31–0521 of retinoic acid–induced teratogenicity. Kistler A. **Experientia** 1986 Jan 15;42(1):50–2

Suppression by cyclohexanetriones of retinoic acid–induced cartilage degradation in vitro and teratogenicity in vivo. Kistler A. **Teratogenesis Carcinog Mutagen** 1986; 6(2):93–106

IMMUNOLOGY

[Possible role of the thymus in the mechanism of the adjuvant effect of retinoic acid] Afanas'ev IuI, et al. **Vopr Med Khim** 1986 May–Jun;32(3):85–7 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Separation of geometric isomers of retinol and retinoic acid in nonaqueous high–performance liquid chromatography. Bhat PV, et al. **Methods Enzymol** 1986;123:75–85

METABOLISM

Biosynthesis of retinoyl–beta–glucuronide, a biologically active metabolite of all–trans–retinoic acid. Miller DA, et al. **Arch Biochem Biophys** 1986 Jan;244(1):179–86

Transfer of retinoic acid from its complex with cellular retinoic acid–binding protein to the nucleus. Takase S, et al. **Arch Biochem Biophys** 1986 Jun;247(2):328–34

Evaluation of retinoids as inhibitors of [3H] all–trans retinoic acid binding to cellular retinoic acid–binding protein in rat skin and testes. Madani K, et al. **Arch Dermatol Res** 1986;278(4):302–6

Haemoglobin–catalysed retinoic acid 5,6–epoxidation. Iwahashi H, et al. **Biochem J** 1985 Dec 1;232(2):459–66

Intracellular binding proteins for retinol and retinoic acid in early and term human placentas. Green T, et al. **Br J Obstet Gynaecol** 1986 Aug;93(8):833–8

Cellular retinoid binding proteins. Sundelin J, et al. **Chem Phys Lipids** 1985 Aug 30;38(1–2):175–85

Metabolism of isotretinoin. Biliary excretion of isotretinoin glucuronide in the rat. Meloche S, et al. **Drug Metab Dispos** 1986 Mar–Apr;14(2):246–9

Brain retinoic acid in experimental thyroid disorder. Mandal SK, et al. **Indian J Exp Biol** 1986 Feb;24(2):127

Placental transfer and fetal distribution of 3H–retinoic acid in rats. Shukla RR, et al. **Int J Vitam Nutr Res** 1986; 56(1):29–33

Retinoic acid 5,6–epoxidation by hemoproteins. Iwahashi H, et al. **J Biochem (Tokyo)** 1986 Jan;99(1):63–71

The in vitro metabolism of 13–cis–retinoic acid in a model sebaceous structure, the rat preputial gland. Madani KA, et al. **J Invest Dermatol** 1985 Nov;85(5):465–9

Activation of retinoic acid by coenzyme A for the formation of ethyl retinoate. Miller DA, et al. **Proc Natl Acad Sci USA** 1985 Oct;82(19):6419–22

The presence of cytoplasmic retinoic acid binding proteins in amphibian tissues and their possible role in limb regeneration. Keeble S, et al. **Prog Clin Biol Res** 1986; 217A:309–14

PHARMACODYNAMICS

Responses of human synovial fibroblasts to mononuclear cell factors and retinoic acid. Hamilton JA. **Agents Actions [Suppl]** 1986;18:47–54

Retinoids induce U937 cells to express macrophage phenotype. Atsumi Y, et al. **Am J Med Sci** 1986 Sep; 292(3):152–6

Granulocytic differentiation induced by retinoic acid in HL–60 cells is associated with changes in adenylate cyclase activity. Thomas G, et al. **Anticancer Res** 1986 Jul–Aug; 6(4):857–60

Treatment of bovine–papillomavirus–type–1 (BPV)–transformed mouse cells with aromatic retinoid and retinoic acid. Gassenmaier A, et al. **Arch Dermatol Res** 1985;278(1):79–81

Diazacholesterol–induced ichthyosiform changes in hairless mice: effects of oral etretinate and isotretinoin. Geiger JM, et al. **Arch Dermatol Res** 1986;278(5):426–8

Cyclic AMP and cyclic AMP–dependent protein kinase in mouse skin. II. In vitro effects of isotretinoin and etretinate. Holian O, et al. **Arch Dermatol Res** 1985;278(2):161–4

Organisms associated with gram–negative folliculitis: in vitro growth in the presence of isotretinoin. Simjee S, et al. **Arch Dermatol Res** 1986;278(4):314–6

Retinoic acid modulation of 1,25(OH)2 vitamin D3 receptors and bioresponse in bone cells: species differences between rat and mouse. Chen TL, et al. **Biochem Biophys Res Commun** 1985 Oct 15;132(1):74–80

Induction of interferon by transformed cells: inhibition by retinoic acid. Hughes TK, et al. **Biochem Biophys Res Commun** 1986 Jul 16;138(1):47–53

Dimethylsulfoxide, retinoic acid and 12–O–tetradecanoylphorbol–13–acetate induce a selective decrease in the phosphorylation of P150, a surface membrane phosphoprotein of HL60 cells resistant to adriamycin. Marsh W, et al. **Biochem Biophys Res Commun** 1986 Jul 16;138(1):9–16

Induction of alkaline phosphatase in neutrophilic granulocytes, a marker of cell maturity, from bone marrow of normal individuals by retinoic acid. Sato N, et al. **Biochem Biophys Res Commun** 1985 Sep 30;131(3):1181–6

Retinoic acid blocks potassium channels in human lymphocytes. Sidell N, et al. **Biochem Biophys Res Commun** 1986 Jul 31;138(2):560–7

Extracellular calcium alters the effects of retinoic acid on DNA synthesis in cultured murine keratinocytes. Tong P, et al. **Biochem Biophys Res Commun** 1986 Jul 16; 138(1):483–8

Stimulation of interleukin 1 and 3 production by retinoic acid in vitro. Trechsel U, et al. **Biochem J** 1985 Sep 1; 230(2):339–44

A combination of a T cell–derived lymphokine differentiation–inducing activity and a physiologic concentration of retinoic acid induces HL–60 to differentiate to cells with functional chemotactic peptide receptors. Imaizumi M, et al. **Blood** 1986 May;67(5):1273–80

Responses of hemopoietic precursors to 13–cis retinoic acid and 1,25 dihydroxyvitamin D3 in the myelodysplastic syndromes. Swanson G, et al. **Blood** 1986 Apr; 67(4):1154–61

Effect of retinoic acid on growth and morphological differentiation of mouse NB2a neuroblastoma cells in culture. Shea TB, et al. **Brain Res** 1985 Aug;353(2):307–14

The in vivo inhibition of mouse brain protein kinase–C by retinoic acid. Cope FO. **Cancer Lett** 1986 Mar;30(3):275–88

Effect of retinoic acid, butylated hydroxytoluene, propylgallate and selenium on 2–acetylaminofluorene induced hepatotoxicity. Daoud AH, et al. **Cancer Lett** 1985 Nov;29(2):183–8

Increased levels of several retinoid binding proteins resulting from retinoic acid–induced differentiation of F9 cells. Eriksson U, et al. **Cancer Res** 1986 Feb;46(2):717–22

Differentiation of WEHI–3B D+ monomyelocytic leukemia cells by retinoic acid and aclacinomycin A. Gamba–Vitalo C, et al. **Cancer Res** 1986 Mar;46(3):1189–94

Influence of the duration of topical 13–cis–retinoic acid treatment on inhibition of mouse skin tumor promotion. Gensler HL, et al. **Cancer Res** 1986 Jun;46(6):2767–70

Enhancement of phorbol diester–induced HL–60–mediated cytotoxicity by retinoic acid, dimethyl sulfoxide, and 5–azacytidine. Leftwich JA, et al. **Cancer Res** 1986 Aug; 46(8):3789–92

Effect of retinoic acid on cellular content and human parathyroid hormone activation of cyclic adenosine 3':5'–monophosphate–dependent protein kinase isoenzymes in clonal rat osteogenic sarcoma cells. Livesey SA, et al. **Cancer Res** 1985 Nov;45(11 Pt 2):5734–40

Identification of a regulatory peptide distinct from normal granulocyte–derived hemoregulatory peptide produced by human promyelocytic HL–60 leukemia cells after differentiation induction with retinoic acid. Paukovits JB, et al. **Cancer Res** 1986 Sep;46(9):4444–8

Effects of retinoic acid on the transformation and metabolic cooperation of rat liver cells in vitro, and on the growth of hepatoma cells in vivo. Morel–Chany E, et al. **Carcinogenesis** 1986 Apr;7(4):653–8

Retinoic acid inhibits junctional communication between animal cells. Pitts JD, et al. **Carcinogenesis** 1986 Jun; 7(6):1003–10

Modulation of mouse skin tumor promotion by dietary 13–cis–retinoic acid and alpha–difluoromethylornithine. Verma AK, et al. **Carcinogenesis** 1986 Jun;7(6):1019–23

Independence of cell shape and loss of cartilage matrix production during retinoic acid treatment of cultured chondrocytes. Horton W, et al. **Dev Biol** 1986 Jun; 115(2):392–7

Changes of surface glycoproteins after retinoic acid–dibutyryl cAMP–induced differentiation of teratocarcinoma stem cells. Joukoff E, et al. **Dev Biol** 1986 Apr;114(2):289–95

Retinoic acid modifies positional memory in the anteroposterior axis of regenerating axolotl limbs. Kim WS, et al. **Dev Biol** 1986 Mar;114(1):170–9

Altered activation by calcitonin and inhibition by somatostatin of human embryonal carcinoma cell adenylate cyclase with retinoic acid–induced differentiation. Liapi C, et al. **Dev Biol** 1986 Jan;113(1):141–6

Effects of retinoic acid on growth, insulin secretion, and hexose incorporation into macromolecules of a continuously growing, insulin–secreting cell line (RINm5F). Swenne I, et al. **Diabetes Res** 1986 May; 3(4):207–11

The response of embryonal carcinoma cells to retinoic acid depends on colony size. Koopman P, et al. **Differentiation** 1986;31(1):55–60

Changes in the activity and subcellular distribution of cyclic–AMP–dependent protein kinases with retinoic–acid–induced differentiation of embryonal carcinoma cells. Piet A, et al. **Differentiation** 1985; 30(2):159–64

SV40 enhancer activation during retinoic acid–induced differentiation of F9 embryonal carcinoma cells. Sleigh MJ, et al. **EMBO J** 1985 Dec 30;4(13B):3831–7

Modulation by retinoic acid of 1,25–dihydroxyvitamin D3 effects on alkaline phosphatase activity and parathyroid hormone responsiveness in an osteoblast–like osteosarcoma cell line. Grigoriadis AE, et al. **Endocrinology** 1986 Aug; 119(2):932–9

Retinoic acid enhances cell responses to epidermal growth factor in mouse mammary gland in culture. Komura H, et al. **Endocrinology** 1986 Apr;118(4):1530–6

Transglutaminase activity increases in HL60 cells induced to differentiate with retinoic acid and TPA but not with DMSO. Maddox AM, et al. **Exp Cell Biol** 1985; 53(5):294–300

Studies on the relation of DNA synthesis to retinoic acid–induced differentiation of F9 teratocarcinoma cells. Griep AE, et al. **Exp Cell Res** 1986 May;164(1):223–31

Action of retinoic acid on the diacylglycerol–induced ornithine decarboxylase activity, reduction in EGF binding and protein kinase C activation in rat tracheal epithelial 2C5 cells. Jetten AM, et al. **Exp Cell Res** 1986 Oct; 166(2):519–25

The effect of retinoic acid on protein phosphorylation in mouse melanoma cells. Niles RM, et al. **Exp Cell Res** 1986 Jun;164(2):437–48

Selection of a mouse embryonal carcinoma clone resistant to the inhibition of metabolic cooperation by retinoic acid. Smith TA, et al. **Exp Cell Res** 1986 Aug;165(2):417–28

Retinoic acid inhibits conversion of dissociated Müller glia into lens–like cells. Degenstein L, et al. **Exp Eye Res** 1986 Jul;43(1):93–102

Effect of antimetabolites and thymidine blockage on the induction of differentiation of HL–60 cells by retinoic acid or 1 alpha,25–dihydroxyvitamin D3. Ishikura H, et al. **Exp Hematol** 1985 Nov;13(10):981–8

Effect of 1,25 dihydroxyvitamin D3 and retinoic acid on normal human pluripotent (CFU–mix), erythroid (BFU–E), and myeloid (CFU–C) progenitor cell growth and differentiation patterns. Nagler A, et al. **Exp Hematol** 1986 Jan;14(1):60–5

Retinoic acid enhances and depresses in vitro development of cartilaginous bone anlagen in embryonic mouse limbs. Kwasigroch TE, et al. **In Vitro Cell Dev Biol** 1986 Mar; 22(3 Pt 1):150–6

Effects of cyclic adenosine 3':5'–monophosphate–elevating agents and retinoic acid on differentiation in retinoid–deficient tracheal cultures. Schiff LJ, et al. **In Vitro Cell Dev Biol** 1985 Dec;21(12):688–92

Difluoromethylornithine enhances inhibition of melanoma cell growth in soft agar by dexamethasone, clone A interferon and retinoic acid. Bregman MD, et al. **Int J Cancer** 1986 Jan 15;37(1):101–7

Comparison of spontaneous and retinoic acid stimulated rabbit articular cartilage degradation in vitro. DiPasquale G, et al. **Int J Tissue React** 1985;7(5):397–404

Comparison of the colony forming ability and invasive potential of six primate cell lines treated with retinoic acid. Saiga T, et al. **Invest New Drugs** 1986;4(1):25–9

Corneal endothelial healing rate and the effect of topical retinoic acid. Matsuda M, et al. **Invest Ophthalmol Vis Sci** 1986 Aug;27(8):1193–8

Comparison of inhibition by a tumor promoter (12–O–tetradecanoylphorbol–13–acetate) of expression of the differentiated phenotype of chondrocytes in rabbit costal chondrocytes in culture with inhibition by retinoic acid. Fukuo K, et al. **J Biochem (Tokyo)** 1986 Feb; 99(2):385–96

Potentiation by retinoic acid of ornithine decarboxylase induction by phytohemagglutinin or phorbol 12–myristate 13–acetate in guinea pig lymphocytes. Otani S, et al. **J Biochem (Tokyo)** 1986 Jun;99(6):1789–97

Cyclic AMP potentiates the retinoic acid–induced expression of tissue transglutaminase in peritoneal macrophages. Murtaugh MP, et al. **J Biol Chem** 1986 Jan 15;261(2):614–21

An increase in prolyl–4–hydroxylase activity occurs during the retinoic acid–induced differentiation of mouse teratocarcinoma stem cell lines F9 and P19. Roguska MA, et al. **J Biol Chem** 1985 Nov 15;260(26):13893–6

Transforming growth factor–beta and retinoic acid modulate phenotypic transformation of normal rat kidney cells induced by epidermal growth factor and platelet–derived growth factor. van Zoelen EJ, et al. **J Biol Chem** 1986 Apr 15;261(11):5003–9

Coordinate regulation of type IX and type II collagen synthesis during growth of chick chondrocytes in retinoic acid or 5–bromo–2'–deoxyuridine. Yasui N, et al. **J Biol Chem** 1986 Jun 15;261(17):7997–8001

Studies on the mechanism of retinoid–induced pattern duplications in the early chick limb bud: temporal and spatial aspects. Eichele G, et al. **J Cell Biol** 1985 Nov;101(5 Pt 1):1913–20

Reversible effects of dibutyryl cAMP on laminin and type IV collagen secretion from retinoic acid treated F9 cells. Morita A, et al. **J Cell Physiol** 1985 Nov;125(2):263–72

Retinoic acid effect on cyclic AMP–dependent protein kinases in embryonal carcinoma cells: studies with differentiation–defective sublines. Plet A, et al. **J Cell Physiol** 1986 May;127(2):341–7

Influence of retinoic acid on the ultrastructure and hyaluronic acid synthesis of adult human epidermis in whole skin organ culture. Tammi R, et al. **J Cell Physiol** 1986 Mar; 126(3):389–98

Retinoic acid and pattern formation in the developing chick wing: SEM and quantitative studies of early effects on the apical ectodermal ridge and bud outgrowth. Lee J, et al. **J Embryol Exp Morphol** 1985 Dec;90:139–69

Cell surface markers to monitor the process of visceral endoderm differentiation from embryonal carcinoma cells: identification of the stage sensitive to high concentration of retinoic acid. Sato M, et al. **J Embryol Exp Morphol** 1985 Aug;88:165–82

Retinoic acid–induced gene expression in normal and leukemic myeloid cells. Murtaugh MP, et al. **J Exp Med** 1986 May 1;163(5):1325–30

Forelimb regeneration in the postmetamorphic bullfrog: stimulation by dimethyl sulfoxide and retinoic acid. Cecil ML, et al. **J Exp Zool** 1986 Jul;239(1):57–63

In vitro effect of isotretinoin on monocyte chemotaxis. Falcon RH, et al. **J Invest Dermatol** 1986 May;86(5):550–2

Modulation of cell shedding and glycosaminoglycan synthesis of human malignant keratinocytes by all–trans–retinoic acid and hydrocortisone in vitro. Reiss M, et al. **J Invest Dermatol** 1986 Jun;86(6):683–8

Neuronal differentiation of cloned human teratoma cells in response to retinoic acid in vitro. Webb M, et al. **J Neuroimmunol** 1986 Mar;11(1):67–86

Influence of steroids and retinoic acid on peanut–lectin binding of human breast cancer cells. Daxenbichler G, et al. **J Steroid Biochem** 1986 Jan;24(1):119–24

Constitutive and retinoic acid–inducible expression of cytomegalovirus immediate–early genes in human teratocarcinoma cells. LaFemina R, et al. **J Virol** 1986 May; 58(2):434–40

Effect of 4–hydroxyphenylretinamide and retinoic acid on proliferation and cell cycle of cultured human breast cancer cells. Marth C, et al. **JNCI** 1985 Nov;75(5):871–5

Variants of a human monocytic leukemia cell line (THP–1): induction of differentiation by retinoic acid, interferon–gamma, and T–lymphocyte–derived differentiation–inducing activity. Nakamura T, et al. **JNCI** 1986 Jul;77(1):21–7

Effect of retinoic acid on myeloid antigen expression and clonal growth of leukemic cells from children with acute non lymphocytic leukemia—a Pediatric Oncology Group Study. Findley HW JR, et al. **Leuk Res** 1986;10(1):43–50

Effects of 13–cis retinoic acid and Ara–C on differentiation and proliferation of non–promyelocytic acute myelogenous leukemia. Hofmann V, et al. **Leuk Res** 1985;9(11):1367–71

Discrepancy between in–vitro and in–vivo inductions of differentiation by retinoids of human acute promyelocytic leukemia cells in relapse. Sampi K, et al. **Leuk Res** 1985; 9(12):1475–8

Retinoic acid induced HL–60 myeloid differentiation: dependence of early and late events on isomeric structure. Yen A, et al. **Leuk Res** 1986;10(6):619–29

Effects of retinoic acid treatment on release of arachidonic acid by chondrogenic cells in response to ionophore A23187. Moon PO, et al. **Life Sci** 1986 Apr 21; 38(16):1445–50

RA can alter the distribution of ATPase–positive Langerhans cells in the hamster cheek pouch in association with DMBA application. Schwartz JL, et al. **Nutr Cancer** 1985; 7(1–2):77–84

Hydrocortisone modulates RA–induced growth inhibition of normal and transformed human embryonic lung fibroblasts. Stanulis–Praeger BM, et al. **Nutr Cancer** 1986;8(3):171–84

Effects of isotretinoin on plasma lipids and lipoproteins. **Nutr Rev** 1986 Jun;44(6):196–8

Retinoic acid regulates 1,25–dihydroxyvitamin D3–binding sites in rat osteosarcoma cells. **Nutr Rev** 1985 Oct; 43(10):320–1

Lack of inhibition of ultraviolet radiation–induced ornithine decarboxylase activity by retinoic acid. Kligman LH. **Photochem Photobiol** 1986 Apr;43(4):449–53

Decreased c–myc expression is an early event in retinoic acid–induced differentiation of F9 teratocarcinoma cells. Griep AE, et al. **Proc Natl Acad Sci USA** 1986 Aug; 83(15):5539–43

Vitamin A and retinoic acid: induced fibroblast differentiation in vitro. Demetriou AA, et al. **Surgery** 1985 Nov; 98(5):931–4

[Effect of retinoic acid and retinoid on proliferation and differentiation of human carcinoma cell line (Eca109) in vitro] Pan QQ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Apr; 6(2):100–3 (Eng. Abstr.) **(Chi)**

[Inhibitory action of retinoic acid and N–(4–carboxyphenyl)–retinamide on the biosynthesis of DNA, RNA and protein in Ehrlich ascites carcinoma] Song ZP, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Dec; 6(6):418–20 (Eng. Abstr.) **(Chi)**

[Surface ultrastructure of human promyelocytic leukemia cells (HL–60) and changes during induced differentiation] Liu YH, et al. **Shih Yen Sheng Wu Hsueh Pao** 1985 Mar; 18(1):33–41 (Eng. Abstr.) **(Chi)**

[The role of activated macrophages in the anti–tumor activity of retinoic acid (RA) and N–(4–carboxyphenyl)–retinamide (RID)] Song ZP, et al. **Shih Yen Sheng Wu Hsueh Pao** 1985 Mar;18(1):43–53 (Eng. Abstr.) **(Chi)**

[Roaccutan (isotretinoin) in the oral treatment of acne and rosacea] Reymann F. **Ugeskr Laeger** 1985 Sep 30; 147(40):3179–81 **(Dan)**

[Effect of retinoic acid on the aggregation of erythrocytes and leukocytes in the blood] Afanas'ev IuI, et al. **Biull Eksp Biol Med** 1986 Jan;101(1):22–4 (Eng. Abstr.) **(Rus)**

[Effect of retinoic acid on indices of humoral immunity] Nozdrin VI, et al. **Biull Eksp Biol Med** 1985 Oct; 100(10):466–7 (Eng. Abstr.) **(Rus)**

[Quantitative study of spermatogenesis in rats developing avitaminosis A from the use of retinoic acid] Pozniakov SP, et al. **Izv Akad Nauk SSSR [Biol]** 1985 Sep–Oct; (5):731–41 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Differential regulation by retinoic acid and calcium of transglutaminases in cultured neoplastic and normal human keratinocytes. Rubin AL, et al. **Cancer Res** 1986 May; 46(5):2356–61

THERAPEUTIC USE

Drugs recently released in Belgium. Guanabenz acetate, isotretinoin and etretinate. Harvengt C. **Acta Clin Belg** 1986;41(1):60–3

Arotinoid Ro 13–6298 and etretin: two new retinoids inferior to isotretinoin in sebum suppression and acne treatment. Harms M, et al. **Acta Derm Venereol (Stockh)** 1986; 66(2):149–54

Response of multiple syringomas to isotretinoin. Mainitz M, et al. **Acta Derm Venereol (Stockh)** 1986;66(1):51–5

Changes in laboratory variables induced by isotretinoin treatment of acne. Michaëlsson G, et al. **Acta Derm Venereol (Stockh)** 1986;66(2):144–8

Ultrastructural changes in sebaceous glands following treatment of cystic acne with isotretinoin. Zelickson AS, et al. **Am J Dermatopathol** 1986 Apr;8(2):139–43

Ultrastructural changes in open comedones following treatment of cystic acne with isotretinoin. Zelickson AS, et al. **Am J Dermatopathol** 1985 Jun;7(3):241–4

A trial of 13–cis–retinoic acid for treatment of squamous cell carcinoma and preneoplastic lesions of the head in cats. Evans AG, et al. **Am J Vet Res** 1985 Dec;46(12):2553–7

Treatment of canine idiopathic seborrhea with isotretinoin. Fadok VA. **Am J Vet Res** 1986 Aug;47(8):1730–3

Topical application of isotretinoin gel improves oral lichen planus. A double–blind study. Giustina TA, et al. **Arch Dermatol** 1986 May;122(5):534–6

Isotretinoin treatment of recalcitrant warts in an immunosuppressed man [letter] Katz RA. **Arch Dermatol** 1986 Jan;122(1):19–20

Mechanism–oriented assessment of isotretinoin in chronic or subacute cutaneous lupus erythematosus. Newton RC, et al. **Arch Dermatol** 1986 Feb;122(2):170–6

Erythrokeratodermia variabilis treated with isotretinoin. A clinical, histologic, and ultrastructural study. Rappaport IP, et al. **Arch Dermatol** 1986 Apr;122(4):441–5

Treatment of gram–negative folliculitis with isotretinoin. Neubert U, et al. **Arch Dermatol Res** 1986;278(4):307–13

A protective role of 13–cis retinoic acid in thymic lymphoma induction. Przybyszewska M. **Arch Immunol Ther Exp (Warsz)** 1985;33(6):811–5

Disappearance of cytogenetic abnormalities and clinical remission during therapy with 13–cis–retinoic acid in a patient with myelodysplastic syndrome: inhibition of growth of the patient's malignant monocytoid clone. Abrahm J, et al. **Blood** 1986 May;67(5):1323–7

Retinoic acid as antileukemic therapy in a patient with acute promyelocytic leukemia and Aspergillus pneumonia. Daenen S, et al. **Blood** 1986 Feb;67(2):559–61

The role of 13 cis–retinoic acid in the remission induction of a patient with acute promyelocytic leukemia. Fontana JA, et al. **Cancer** 1986 Jan 15;57(2):209–17

Phase I–II study of 13–cis–retinoic acid in myelodysplastic syndrome. Greenberg BR, et al. **Cancer Treat Rep** 1985 Dec;69(12):1369–74

The effects of isotretinoin on the pathology of early acne papules. Dalziel K, et al. **Clin Exp Dermatol** 1985 Jul; 10(4):365–70

The relapses of cystic acne after isotretinoin treatment are age–related: a long–term follow–up study. Harms M, et al. **Dermatologica** 1986;172(3):148–53

Effect of oral retinoid treatment on human natural killer cell activity. Jansén CT, et al. **Dermatologica** 1985;171(4):220–5

Isotretinoin versus minocycline in cystic acne: a study of lipid metabolism. Pigatto PD, et al. **Dermatologica** 1986; 172(3):154–9

Malignant pyoderma. Dicken CH. **J Am Acad Dermatol** 1985 Dec;13(6):1021–5

Solid facial edema as a complication of acne vulgaris: treatment with isotretinoin. Friedman SJ, et al. **J Am Acad Dermatol** 1986 Aug;15(2 Pt 1):286–9

Cowden's disease (multiple hamartoma and neoplasia syndrome) treated with isotretinoin [letter] Lazar AP, et al. **J Am Acad Dermatol** 1986 Jan;14(1):142–4

Porokeratosis plantaris, palmaris, et disseminata. Report of a case and treatment with isotretinoin. McCallister RE, et al. **J Am Acad Dermatol** 1985 Oct;13(4):598–603

Papillon–Lefèvre syndrome. Report of two patients treated successfully with isotretinoin. Nguyen TQ, et al. **J Am Acad Dermatol** 1986 Jul;15(1):46–9

Keratotic lupus erythematosus: treatment with isotretinoin. Rubenstein DJ, et al. **J Am Acad Dermatol** 1986 May;14(5 Pt 2):910–4

Regression of aggressive laryngeal papillomatosis with 13–cis–retinoic acid (accutane). Alberts DS, et al. **J Biol Response Mod** 1986 Apr;5(2):124–8

13–cis–retinoic acid in myelodysplastic syndromes [letter] Greenberg BR, et al. **J Clin Oncol** 1986 Aug;4(8):1282

13–cis retinoic acid treatment for myelodysplastic syndromes. Picozzi VJ Jr, et al. **J Clin Oncol** 1986 Apr;4(4):589–95

Successful treatment of lithium–induced acne [letter] Remmer HI, et al. **J Clin Psychiatry** 1986 Jan;47(1):48

Treatment of mycosis fungoides with isotretinoin. Fitzpatrick JE, et al. **J Dermatol Surg Oncol** 1986 Jun;12(6):626–9

Qualitative and quantitative changes in cutaneous bacteria associated with systemic isotretinoin therapy for acne conglobata. Leyden JJ, et al. **J Invest Dermatol** 1986 Apr; 86(4):390–3

Oral isotretinoin (13–cis–retinoic acid) therapy in severe acne: drug and vitamin A concentrations in serum and skin. Rollman O, et al. **J Invest Dermatol** 1986 Apr;86(4):384–9

A major advance in the treatment of severe acne. Jones DH. **J R Soc Med** 1985;78 Suppl 10:29–31

Chemopreventive effects of beta–carotene and 13–cis–retinoic acid on salivary gland tumors. Alam BS, et al. **Nutr Cancer** 1984;6(1):4–12

Primary myelodysplastic syndrome: treatment of 6 patients with 13–cis retinoic acid. Kerndrup G, et al. **Scand J Haematol [Suppl]** 1986;45:128–32

Acute myelogenous leukemia of unfavourable prognosis treated with retinoic acid, vitamin D3, alpha–interferon and low doses of cytosine arabinoside. Robert KH, et al. **Scand J Haematol [Suppl]** 1986;44:61–74

Effect of 13–cis retinoic acid on cystic acne in Singapore. Giam YC, et al. **Singapore Med J** 1985 Oct;26(6):471–5

Isotretinoin (Accutane) treatment of acne. Reisman MS, et al. **Tex Med** 1985 Nov;81(11):43–5

[Action of 13–cis–retinoic acid and aromatic retinoid on several cutaneous parameters in hyperseborrheic rats] Garigue J, et al. **Dermatologica** 1985;171(4):213–9 (Eng. Abstr.) **(Fre)**

[Therapy of melanin–induced pigment anomalies] Herzberg JJ. **Hautarzt** 1985 Nov;36(11):635–8 (Eng. Abstr.) **(Ger)**

[Isotretinoin in local treatment of acne and rosacea and animal experiment studies on isotretinoin and arotinoid] Plewig G, et al. **Hautarzt** 1986 Mar;37(3):138–41 (Eng. Abstr.) **(Ger)**

[Acne conglobata: personality and psychological sequelae in 13–cis–retinoic acid therapy. Initial results] Studt HH, et al. **Z Hautkr** 1986 May 15;61(10):743–54 (Eng. Abstr.) **(Ger)**

[Treatment of nodulo–cystic acne and acne conglobata with 13–cis–retinoic acid (isotretinoin)] Cavicchini S, et al. **G Ital Dermatol Venereol** 1986 May–Jun; 121(3):XXXIII–XXXVII (Eng. Abstr.) **(Ita)**

[Isotretinoin in the therapy of severe polymorphous acne. Preliminary data] Rabbiosi G, et al. **G Ital Dermatol Venereol** 1985 Sep–Oct;120(5):LXIII–LXV (Eng. Abstr.) **(Ita)**

[Studies on therapeutic effect of 13–cis retinoic acid and squalene on symptoms of PCDFs poisoning in monkeys] Kashimoto T, et al. **Fukuoka Igaku Zasshi** 1985 May; 76(5):190–5 (Eng. Abstr.) **(Jpn)**

[Nodulocystic acne. Treatment with isotretinoin (Roaccutan)—quantitative measures of skin lipids] Hanstad IK, et al. **Tidsskr Nor Laegeforen** 1985 Aug 20; 105(23):1497–500 (Eng. Abstr.) **(Nor)**

[Experience in the treatment of acne with the retinoid–roacutan] Shakhtmeister IIa, et al. **Vestn Dermatol Venerol** 1985 Aug;(8):8–10 (Eng. Abstr.) **(Rus)**

[Isotretinoin is a help in severe acne--but the adverse effects are too many] Mobacken H, et al. **Lakartidningen** 1986 Feb 19;83(8):591–4 (Swe)

TOXICITY

Retinoic acid enhancement of an early step in the transformation of mouse epidermal cells in vitro. Kulesz-Martin M, et al. **Carcinogenesis** 1986 Sep; 7(9):1425–9

Vacuolar myelinopathy of the brain and lamellar ichthyosis. Sadick N, et al. **Cutis** 1986 Jul;38(1):29–32

Effect of vitamin A acid on the testis of the Egyptian toad. Sadek IA, et al. **Folia Morphol (Praha)** 1986;34(2):141–3

Isotretinoin teratogenicity in mouse whole embryo culture. Goulding EH, et al. **J Craniofac Genet Dev Biol** 1986; 6(2):99–112

Chondrogenesis of limb-bud cells: improved culture method and the effect of the potent teratogen retinoic acid. Kistler A, et al. **Xenobiotica** 1985 Aug–Sep;15(8–9):673–9

TRETOQUINOL see under **ISOQUINOLINES**

TRI-ALLATE see under **THIOCARBAMATES**

TRIACETIN see under **TRIGLYCERIDES**

TRIACETONEAMINE-N-OXYL see under **CYCLIC N-OXIDES**

TRIACETYLOLEANDOMYCIN

PHARMACODYNAMICS

Susceptibility of Haemophilus segyptius to trooleandomycin: lack of taxonomic value. Martel AY, et al. **Can J Microbiol** 1986 Apr;32(4):289–93

Macrolide antibiotics inhibit the degradation of the glucocorticoid-responsive cytochrome P-450p in rat hepatocytes in vivo and in primary monolayer culture. Watkins PB, et al. **J Biol Chem** 1986 May 15; 261(14):6264–71

THERAPEUTIC USE

An improved protocol for the use of troleandomycin (TAO) in the treatment of steroid-requiring asthma. Wald JA, et al. **J Allergy Clin Immunol** 1986 Jul;78(1 Pt 1):36–43

TRIACYLGLYCEROL LIPASE see **LIPASE**

TRIACYLGLYCEROLS see **TRIGLYCERIDES**

TRIAGE see under **EMERGENCY MEDICAL SERVICES**

TRIALKYLTIN COMPOUNDS

ADVERSE EFFECTS

Trimethyltin ototoxicity: evidence for a cochlear site of injury. Fechter LD, et al. **Hear Res** 1986;23(3):275–82

BLOOD

The ultrastructural localization of tri-n-butyltin in human erythrocyte membranes during shape transformation leading to hemolysis. Porvaznik M, et al. **Lab Invest** 1986 Mar;54(3):254–67

METABOLISM

Organotin-protein interactions. Binding of triethyltin bromide to cat haemoglobin. Siebenlist KR, et al. **Biochem J** 1986 Jan 15;233(2):471–7

PHARMACODYNAMICS

Effect of tricyclohexylhydroxytin on synaptosomal Ca2+-dependent ATP hydrolysis and rat brain subcellular calmodulin. Prasada Rao KS, et al. **Cell Biochem Funct** 1985 Oct;3(4):267–72

Effect of triethyltin on enzyme activity in human adult and cord red cells. Patritti-Laborde N, et al. **Enzyme** 1986; 35(2):87–95

Studies on the mechanism of cyhexatin resistance in the twospotted spider mite, Tetranychus urticae (Acari: Tetranychidae). Carbonaro MA, et al. **J Econ Entomol** 1986 Jun;79(3):576–9

New copolymer with pendent organotin moieties as controlled release mosquito larvicide. Waid AF, et al. **J Egypt Soc Parasitol** 1985 Dec;15(2):665–73

Effect of alkyltins on rabbit articular and growth-plate chondrocytes in monolayer culture. Webber RJ, et al. **J Toxicol Environ Health** 1985;16(2):229–42

Triethyltin-produced decrease and recovery of wheel running and food-reinforced lever pressing in rats. Gerber GJ, et al. **Neurobehav Toxicol Teratol** 1985 Sep–Oct; 7(5):433–8

Effects of trimethyltin chloride on the LiCl dose-response function for conditioned taste aversions in rats. Mastropaolo JP, et al. **Neurobehav Toxicol Teratol** 1986 May–Jun;8(3):297–300

Effects of trimethyltin on incremental repeated acquisition (learning) in the rat. Paule MG, et al. **Neurobehav Toxicol Teratol** 1986 May–Jun;8(3):245–53

Effects of chemicals on delayed matching behavior in pigeons. III. Effects of triethyltin. Idemudia SO, et al. **Neurotoxicology** 1986 Spring;7(1):109–17

POISONING

Effect of triethyltin chloride on the central aminergic neurotransmitters and their metabolites: relationship with pathophysiology of aging. Bentue-Ferrer D, et al. **Exp Aging Res** 1985 Autumn–Winter;11(3–4):137–41

TOXICITY

In vitro studies on the embryotoxic potential of (bis[tri-n-butyltin]oxide in a limb bud organ culture system. Krowke R, et al. **Arch Toxicol** 1986 Feb;58(3):125–9

On the role of seizure activity in the hippocampal damage produced by trimethyltin. Sloviter RS, et al. **Brain Res** 1986 Mar 5;367(1–2):169–82

Neuropathology of trimethyltin: a proposed pathogenetic mechanism. Chang LW. **Fundam Appl Toxicol** 1986 Feb; 6(2):217–32

Early effects of trimethyltin on the dentate gyrus basket cells: a morphological study. Chang LW, et al. **J Toxicol Environ Health** 1985;16(3–4):641–53

Changes in neurobiological parameters in the hippocampus after exposure to trimethyltin. Naalsund LU, et al. **Neurotoxicology** 1985 Fall;6(3):145–58

Triethyltin-induced neuronal damage in neonatally exposed rats. Veronesi B, et al. **Neurotoxicology** 1986 Spring; 7(1):69–79

Neurobehavioral toxicology of trialkyltins. McMillan DE, et al. **Pharmacol Rev** 1985 Dec;37(4):365–79 (104 ref.)

Time course alterations in tremor and muscarinic receptor binding produced by trimethyltin. Slikker W Jr, et al. **Proc West Pharmacol Soc** 1985;28:139–42

Effects of trimethyltin on homecage behavior of rats. Bushnell PJ, et al. **Toxicol Appl Pharmacol** 1985 Jun 15; 79(1):134–42

Trimethyltin exposure produces an unusual form of toxic auditory damage in rats. Young JS, et al. **Toxicol Appl Pharmacol** 1986 Jan;82(1):87–93

Increased forebrain beta-adrenergic ligand binding induced by trimethyltin. Messing RB, et al. **Toxicol Lett** 1986 Jul–Aug;32(1–2):107–12

Nephrotoxic effect of trimethyltin in rats. Opacka J, et al. **Toxicol Lett** 1985 Sep;27(1–3):97–102

Trimethyltin as a selective adrenal chemosympatholytic agent in vivo: effect precedes both clinical and histopathological evidence of toxicity. Ally AI, et al. **Toxicology** 1986 Aug;40(2):215–29

TRIAMCINOLONE

ADMINISTRATION & DOSAGE

Local steroids in dialysis-associated pericardial effusion. A single intrapericardial administration of triamcinolone. Quigg RJ Jr, et al. **Arch Intern Med** 1985 Dec; 145(12):2249–50

Intralesional triamcinolone is effective for discoid lupus erythematosus of the palms and soles [letter] Callen JP. **J Rheumatol** 1985 Jun;12(3):630–3

[Intracanal application with triamcinolone-chloramphenicol on postoperative pain after immediate root canal filling] Lin CP, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Dec; 84(12):1358–62 (Eng. Abstr.) (Chi)

ADVERSE EFFECTS

Depot triamcinolone-induced glaucoma. Mills DW, et al. **Can J Ophthalmol** 1986 Jun;21(4):150–2

Perilymphatic atrophy of skin. An adverse side effect of intralesional steroid injections. Kravette MA. **Clin Podiatr Med Surg** 1986 Jul;3(3):457–62

[Scleroderma-like atrophy caused by triamcinolone] Rodriguez Prieto MA, et al. **Med Cutan Ibero Lat Am** 1985; 13(4):353–6 (Eng. Abstr.) (Spa)

ANALOGS & DERIVATIVES

Epidural analgesic techniques in the management of cervical pain. Rowlingson JC, et al. **Anesth Analg** 1986 Sep; 65(9):938–42

Skin lysyl oxidase activity is not rate limiting for collagen crosslinking in the glucocorticoid-treated rat. Counts DF, et al. **Connect Tissue Res** 1986;14(3):237–43

Treatment of chalazia with corticosteroid injections. King RA, et al. **Ophthalmic Surg** 1986 Jun;17(6):351–3

METABOLISM

Clearance of triamcinolone from vitreous. Scholes GN, et al. **Arch Ophthalmol** 1985 Oct;103(10):1567–9

PHARMACODYNAMICS

Ouabain binding of the rat's heart muscle cells after neonatal glucocorticoid (triamcinolone) treatment. Inczefi-Gonda A, et al. **Acta Physiol Hung** 1986;67(3):303–6

Glucocorticoid inhibition of c-myc, c-myb, and c-Ki-ras expression in a mouse lymphoma cell line. Eastman-Reks SB, et al. **Cancer Res** 1986 May;46(5):2457–62

Effects of dietary additions of fat and triamcinolone for sows during late gestation on subsequent pig performance. Bishop TC, et al. **J Anim Sci** 1985 Dec;61(6):1467–75

Effects of dietary fat and triamcinolone additions during late gestation on the body energy reserves of neonatal pigs. Bishop TC, et al. **J Anim Sci** 1985 Dec;61(6):1476–84

Influence of triamcinolone, estradiol-17 beta and testosterone on 1,25-dihydroxyvitamin D3 binding performances to its chick intestinal receptor. Wilhelm F, et al. **J Steroid Biochem** 1985 Dec;23(6A):913–8

THERAPEUTIC USE

[Experimental studies on the healing and restoration of gliding function of the injured digital flexor tendon. Part 9: The use of drugs to prevent adhesion formation of the injured tendon] Yuzawa K. **Nippon Seikeigeka Gakkai Zasshi** 1985 Dec;59(12):1107–18 (Eng. Abstr.) (Jpn)

[Liposomes as an ophthalmic form of drugs] Wilkin G, et al. **Klin Oczna** 1985 Aug;87(8):347–9 (Eng. Abstr.) (Pol)

TOXICITY

A comparison of hydrocortisone and triamcinolone inhibition of scale and feather development. Fisher CJ, et al. **Teratology** 1986 Feb;33(1):37–45

TRIAMCINOLONE ACETONIDE

ADMINISTRATION & DOSAGE

The effect of preoperative subconjunctival triamcinolone administration on glaucoma filtration. I. Trabeculectomy following subconjunctival triamcinolone. Giangiacomo J, et al. **Arch Ophthalmol** 1986 Jun;104(6):838–41

The response of psoriatic epidermis and microvessels to treatment with topical steroids and oral methotrexate. Braverman IM, et al. **J Invest Dermatol** 1985 Dec; 85(6):584–6

Rotator cuff tendinitis: comparison of subacromial injection of a long acting corticosteroid versus oral indomethacin therapy. White RH, et al. **J Rheumatol** 1986 Jun; 13(3):608–13

Topical mucosal adhesive dosage forms. Nagai T. **Med Res Rev** 1986 Apr–Jun;6(2):227–42 (16 ref.)

Intramuscular triamcinolone acetonide in chronic severe asthma. McLeod DT, et al. **Thorax** 1985 Nov;40(11):840–5

ADVERSE EFFECTS

Delayed hypersensitivity to topical corticosteroids. Reitamo S, et al. **J Am Acad Dermatol** 1986 Apr;14(4):582–9

[Errors in the treatment of patients with rheumatoid arthritis] Erov NK. **Revmatologiia (Moskva)** 1985 Oct–Dec;(4):69–70 (Rus)

ANALOGS & DERIVATIVES

Intraarticular triamcinolone hexacetonide in the management of chronic arthritis in children. Allen RC, et al. **Arthritis Rheum** 1986 Aug;29(8):997–1001

Triamcinolone hexacetonide protects against fibrillation and osteophyte formation following chemically induced articular cartilage damage. Williams JM, et al. **Arthritis Rheum** 1985 Nov;28(11):1267–74

Liposomes as drug carriers for oral ulcers. Harsanyi BB, et al. **J Dent Res** 1986 Sep;65(9):1133–41

ANALYSIS

Ingredients in Mycolog [letter] Fisher AA. **J Am Acad Dermatol** 1986 Jul;15(1):119

IMMUNOLOGY

Evidence for differences in the steroid binding domains of the glucocorticoid receptor versus the idiotype antibody. Agarwal MK, et al. **Biochem Biophys Res Commun** 1986 Apr 29;136(2):470–5

METABOLISM

Distribution and daily fluctuation of the available glucocorticoid binding sites in different areas of the quail brain. Kovács K, et al. **Acta Physiol Hung** 1986;67(4):423–8

Interaction between epidermal growth factor and triamcinolone acetonide in mouse palatal mesenchymal cells in vitro. Kukita T, et al. **Arch Oral Biol** 1986; 31(1):39–44

Pharmacokinetics and pharmacodynamics of glucocorticoid suspensions after intra-articular administration. Derendorf H, et al. **Clin Pharmacol Ther** 1986 Mar;39(3):313–7

Pharmacokinetics of triamcinolone acetonide and its phosphate ester. Möllmann H, et al. **Eur J Clin Pharmacol** 1985;29(1):85–9

[The receptor system for glucocorticoids in myocardial cells. New approaches to the studies of its regulation and function] Seleznev IuM. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1986;9(1):94–9 (Rus)

PHARMACODYNAMICS

Stabilization of androgen receptor by nonandrogenic steroids. Nemoto T, et al. **Biochem Int** 1986 May;12(5):701–5

Effect of triamcinolone acetonide on the growth of NEL-M1 human melanoma cells cultured in the presence and absence of growth stimulatory agents. DiSorbo DM. **Cancer Res** 1986 Aug;46(8):3964–8

Glucocorticoid-mediated establishment of an antiviral state coincident with other glucocorticoid-induced biochemical activities in L929 cells. Lancr GJ, et al. **J Gen Virol** 1985 Oct;66 (Pt 10):2249–52

Glucocorticoids induce a 29 000 Mr protein in DDT1 MF-2 smooth muscle cells but not in the DDT1 MF-2 GR glucocorticoid resistant variant. Norris JS, et al. **Mol Cell Biochem** 1985 Sep;68(1):79–85

THERAPEUTIC USE

Evaluation of aerosolized triamcinolone acetonide as a replacement for aerosolized beclomethasone dipropionate. Hartley TF, et al. **J Asthma** 1986;23(3):139–43

Intralesional steroid therapy of pyoderma gangrenosum. Goldstein F, et al. **J Clin Gastroenterol** 1985 Dec; 7(6):499–501

The beneficial effect of triamcinolone acetonide on nerve repair with autogenous grafts. Lipton R, et al. **Otolaryngol Head Neck Surg** 1986 Mar;94(3):310–5

[Treatment of chronic chalazion with Kenalog injections] Rozsival P, et al. **Cesk Oftalmol** 1985 Feb;41(1):35–6 (Eng. Abstr.) (Cze)

TRIAMTERENE

ADMINISTRATION & DOSAGE

Antihypertensive and biochemical effects of different doses of hydrochlorothiazide alone or in combination with triamterene. Kohvakka A, et al. **Acta Med Scand** 1986; 219(4):381–6

Comparison of the efficacy of furosemide with two furosemide–triamterene combinations in the treatment of cardiac insufficiency. Saarimaa H, et al. **J Int Med Res** 1985;13(4):236–40

Efficacy of antihypertensive drug treatment according to age, sex, blood pressure, and previous cardiovascular disease in patients over the age of 60. Amery A, et al. **Lancet** 1986 Sep 13;2(8507):589–92

Hypertension therapy [letter] Caralis PV. **South Med J** 1986 Jun;79(6):781

ADVERSE EFFECTS

The PACT study: post-marketing surveillance in 47,465 patients treated with Maxzide (triamterene/hydrochlorothiazide). An interim report. Hollenberg NK, et al. **Am J Med** 1986 Apr 25;80(4A):30–6

The true composition of kidney stones passed during triamterene therapy. Sörgel F, et al. **J Urol** 1985 Nov; 134(5):871–3

Triamterene and the kidney [editorial] **Lancet** 1986 Feb 22; 1(8478):424

Triamterene stones and computerized axial tomography. Guevara A, et al. **Urology** 1986 Feb;27(2):104–6

Acute renal failure and hyperkalemia associated with triamterene and indomethacin. Mathews A, et al. **Vet Hum Toxicol** 1986 Jun;28(3):224–5

[Acute severe pancytopenia due to triamterene in alcoholic cirrhotic patients: failure to recognize the pharmacology of triamterene? (letter)] Denoyel P, et al. **Gastroenterol Clin Biol** 1985 Oct;9(10):746 (Fre)

[Nephrolithiasis caused by triamterene. Presentation of 2 cases] Piñango Angulo L, et al. **Actas Urol Esp** 1986 Mar-Apr;10(2):119–22 (Eng. Abstr.) (Spa)

ANALOGS & DERIVATIVES

Fluorimetric determination of dimethylaminohydroxypropoxytriamterene in biological fluids by direct evaluation of thin-layer chromatograms. Kraft H, et al. **Arzneimittelforschung** 1985;35(10):1542–4

Studies with triamterene derivatives for oral application. Priewer H, et al. **Arzneimittelforschung** 1985;35(12):1819–21

Pharmacodynamics of acidic triamterene derivatives and their esters and amides. Priewer H, et al. **Arzneimittelforschung** 1985;35(10):1544–7

Pharmacodynamics and pharmacokinetics of the basic triamterene analogue dimethylaminohydroxypropoxytriamterene. Priewer H, et al. **Arzneimittelforschung** 1985;35(11):1688–91

ANALYSIS

[Chemoluminescence of triamterene] Brandl H. **Pharm Unserer Zeit** 1986 Jul;15(4):120–2 (Ger)

DIAGNOSTIC USE

Renal handling of uric acid under methyclothiazide alone or associated with triamterene. Labeeuw M, et al. **Adv Exp Med Biol** 1986;195 Pt A:365–9

METABOLISM

Absorption and disposition of two combination formulations of hydrochlorothiazide and triamterene: influence of age and renal function. Williams RL, et al. **Clin Pharmacol Ther** 1986 Aug;40(2):226–32

Bioavailability and elimination kinetics of the combination furosemide-retard/triamterene. Schuster O, et al. **Eur J Drug Metab Pharmacokinet** 1985 Apr-Jun; 10(2):127–32

Metabolic fate and solubility of triamterene—not an explanation for triamterene nephrolithiasis. Sörgel F, et al. **J Pharm Sci** 1986 Feb;75(2):129–32

PHARMACODYNAMICS

In vitro antistreptococcal activity of the potassium-sparing diuretics amiloride and triamterene. Giunta S, et al. **Antimicrob Agents Chemother** 1985 Sep;28(3):419–20

Pharmacodynamics of straight-chain and branched-chain acidic triamterene derivatives. Priewer H, et al. **Arzneimittelforschung** 1986 Feb;36(2):213–5

Effect of sodium on amiloride- and triamterene-induced current fluctuations in isolated frog skin. Hoshiko T, et al. **J Gen Physiol** 1986 Mar;87(3):425–42

THERAPEUTIC USE

Effectiveness of potassium chloride or triamterene in thiazide hypokalemia. Papademetriou V, et al. **Arch Intern Med** 1985 Nov;145(11):1986–90

Antihypertensive therapy with triamterene-hydrochlorothiazide vs amiloride-hydrochlorothiazide. Comparison of effects on urinary prostaglandin E2 excretion. Zawada ET Jr. **Arch Intern Med** 1986 Jul;146(7):1312–4

Hydrochlorothiazide and triamterene with sustained-release oxprenolol in the treatment of hypertension. Backhouse CI, et al. **Curr Med Res Opin** 1986;10(3):196–202

Cross-over comparison of the fixed combination of hydrochlorothiazide and triamterene and the free combination of furosemide and triamterene in the maintenance treatment of congestive heart failure. Funke Küpper AJ, et al. **Eur J Clin Pharmacol** 1986;30(3):341–3

[The antitoxic action of triamterene in cardiac glycoside poisoning] Güttler K, et al. **Arzneimittelforschung** 1986 Apr;36(4):684–8 (Eng. Abstr.) (Ger)

[Diuretic monotherapy in heart failure. Comparison of piretanide and hydrochlorothiazide-triamterene] Gonska BD, et al. **Dtsch Med Wochenschr** 1985 Nov 22; 110(47):1812–6 (Eng. Abstr.) (Ger)

[Potassium-sparing effect of triamterene in a 3-component combination preparation for the therapy of hypertension] Nagler J, et al. **Wien Klin Wochenschr** 1986 Jan 24; 98(2):49–53 (Eng. Abstr.) (Ger)

[Relation between the hypotensive effect of triampur and its pharmacokinetics in patients with hypertension] Kuznetsov GP, et al. **Kardiologiia** 1986 Mar;26(3):49–52 (Eng. Abstr.) (Rus)

URINE

[Thin layer chromatographic determination of talinolol, propranolol and triamterene in urine: compliance evaluation of hypertensive patients] Molling J, et al. **Pharmazie** 1986 Apr;41(4):301–2 (Ger)

TRIANISOESTROL see **CHLOROTRIANISENE**

TRIATOMA see under **TRIATOMIDAE**

TRIATOMIDAE

Population dynamics and control of Triatoma infestans. Schofield CJ. **Ann Soc Belg Med Trop** 1985;65 Suppl 1:149–64

Rhodnius pallescens (Hemiptera: Reduviidae) in Costa Rica. Marín RE, et al. **J Med Entomol** 1986 May 30;23(3):333

Efficacy of ivermectin against the bloodsucking insect, Rhodnius prolixus (Hemiptera, Triatominae). de Azambuja P, et al. **Mem Inst Oswaldo Cruz** 1985 Oct-Dec; 80(4):439–42

The influence of building materials on the residual action of BHC. Penna R, et al. **Mem Inst Oswaldo Cruz** 1985 Oct-Dec;80(4):443–5

The geography of health in South-East Mexico: a research study and agenda. Prothero RM, et al. **Soc Sci Med** 1986; 22(12):1321–7

A simple method to detect the presence of live triatomine bugs in houses sprayed with residual insecticides [letter] Garcia Zapata MT, et al. **Trans R Soc Trop Med Hyg** 1985; 79(4):558–9

[Finding of Rhodnius prolixus Stal, 1859, in babassu palm trees] Diotaiuti L, et al. **Rev Bras Malariol Doencas Trop** 1984;36:11–4 (Eng. Abstr.) (Por)

[Distribution of Triatominae captured in a domestic environment, 1975/83, Brazil] Silveira AC, et al. **Rev Bras Malariol Doencas Trop** 1984;36:15–312 (Eng. Abstr.) (Por)

[Evaluation of a program for the control of triatomas by insecticides in San Juan de los Morros, Venezuela] Acquatella H, et al. **Ann Soc Belg Med Trop** 1985;65 Suppl 1:197–211 (Spa)

[Fenitrothion (OMS-43) in the control of Triatoma infestans, the vector of Chagas disease in Argentina] Cichero JA, et al. **Ann Soc Belg Med Trop** 1985;65 Suppl 1:181–5 (Spa)

ANALYSIS

Evidence for the presence of sex and aggregation pheromones from Triatoma mazzottii (Hemiptera: Reduviidae). Ondarza RN, et al. **J Econ Entomol** 1986 Jun; 79(3):688–92

Trypanosoma cruzi morphogenesis: preliminary purification of an active fraction from hemolymph and intestinal homogenate of Triatoma infestans. Isola EL, et al. **J Parasitol** 1986 Jun;72(3):467–9

[A new plasminogen activator isolated from the saliva of Rhapactor biparticeps (Heteroptera, Reduviidae): biological and physicochemical properties] Ammar M, et al. **Arch Inst Pasteur Tunis** 1985 Mar-Jun;62(1–2):53–68 (Eng. Abstr.) (Fre)

[Identification of plasminogen activators in the saliva of Rhapactor biparticeps (Reduviidae)] Ben Hamouda MH, et al. **Arch Inst Pasteur Tunis** 1984 Jun-Sep;61(2–3):165–70 (Eng. Abstr.) (Fre)

DRUG EFFECTS

[The teratogenic and toxic effect of unsaturated short-chain fatty acids in Rhodnius prolixus] Gómez I. **Mem Inst Oswaldo Cruz** 1985 Oct-Dec;80(4):375–85 (Eng. Abstr.) (Por)

ENZYMOLOGY

Salivary apyrase of Rhodnius prolixus. Kinetics and purification. Sarkis JJ, et al. **Biochem J** 1986 Feb 1; 233(3):885–91

[Isoenzymatic studies of the principal vector of Chagas disease: Triatoma infestans (Hemiptera: Reduviidae)] Dujardin JP, et al. **Ann Soc Belg Med Trop** 1985;65 Suppl 1:165–9 (Eng. Abstr.) (Fre)

[Study of 11 enzymes and formal genetic findings for 19 enzymatic loci in Triatoma infestans (Hemiptera: Reduviidae)] Dujardin JP, et al. **Ann Soc Belg Med Trop** 1985 Sep;65(3):271–80 (Eng. Abstr.) (Fre)

[Prolixase, a fibrinolytic enzyme isolated from Rhodnius prolixus (Heteroptera, Reduviidae): antigenic properties] Ben Hamouda MH. **Arch Inst Pasteur Tunis** 1985 Sep; 62(3):261–8 (Eng. Abstr.) (Fre)

GROWTH & DEVELOPMENT

Feeding, molting, and egg production in Rhodnius prolixus (Hemiptera: Reduviidae) fed repeatedly on the same Swiss mouse hosts. Krinsky WL. **J Med Entomol** 1985 Nov 27; 22(6):670–4

[Biochemistry of the growth cycle of Triatoma infestans (Vinchuca). VIII. Preliminary study of hemo-lymphatic apolipoproteins in the adult male] Fichera LE, et al. **Acta Physiol Pharmacol Latinoam** 1985;35(3):319–25 (Eng. Abstr.) (Spa)

IMMUNOLOGY

Studies of kissing bug-sensitive patients: evidence for the lack of cross-reactivity between Triatoma protracta and Triatoma rubida salivary gland extracts. Pinnas JL, et al. **J Allergy Clin Immunol** 1986 Feb;77(2):364–70

The prevalence of allergic sensitization to Triatoma protracta (Heteroptera: Reduviidae) in a Southern California, USA, community. Marshall N, et al. **J Med Entomol** 1986 Mar 31;23(2):117–24

METABOLISM

[Biochemistry of the developmental cycle of Tristoma infestans. VII. Lipid composition of the cuticle surface extracted with hexane] Juárez P, et al. **Acta Physiol Pharmacol Latinoam** 1985;35(2):223–36 (Eng. Abstr.) (Spa)

PARASITOLOGY

Rhodnius neivai: a new experimental vector of Trypanosoma rangeli. D'Alessandro A, et al. **Am J Trop Med Hyg** 1986 May;35(3):512–4

Excretion of Trypanosoma cruzi by various stages of Rhodnius prolixus. Chowdhury MN, et al. **Int J Parasitol** 1986 Aug;16(4):353–9

Parasitism of Telenomus costalimai (Hymenoptera: Scelionidae) on Rhodnius prolixus (Hemiptera: Reduviidae) under laboratory conditions: effects of density. Feliciangeli D, et al. **J Med Entomol** 1985 Nov 27;22(6):654–7

Effect of fasting on Trypanosoma cruzi infection in Triatoma dimidiata (Hemiptera: Reduviidae). Vargas LG, et al. **J Med Entomol** 1985 Nov 27;22(6):683

Studies on Trypanosoma rangeli Tejera, 1920. VI. Developmental pattern in the haemolymph of Rhodnius prolixus. Añez N. **Mem Inst Oswaldo Cruz** 1983 Oct-Dec; 78(4):413–9

Chagas' disease in the Amazon basin: V. Periurban palms as habitats of Rhodnius robustus and Rhodnius pictipes—triatomine vectors of Chagas' disease. Miles MA, et al. **Mem Inst Oswaldo Cruz** 1983 Oct-Dec;78(4):391–8

[Comparative study of the direct parasitological examination and the dissection of Triatominae for the detection of Trypanosoma cruzi] La Fuente C, et al. **Ann Soc Belg Med Trop** 1985;65 Suppl 1:101–2 (Spa)

PHYSIOLOGY

A protein diet initiates oogenesis in Rhodnius prolixus. Garcia ES, et al. **Braz J Med Biol Res** 1985;18(2):195–9

Theoretical approach to active dispersal and colonization of houses by Triatoma infestans. Schofield CJ, et al. **J Trop Med Hyg** 1985 Jun;88(3):211–22

TRIATOMINAE see **TRIATOMIDAE**

TRIAZENES

BLOOD

High-performance liquid chromatographic assay for the determination of p-(3,3-dimethyl-1-triazeno)benzoic acid in mouse plasma. Farina P, et al. **J Chromatogr** 1985 Dec 13;345(2):323-31

PHARMACODYNAMICS

Inhibition of cell-surface neutral protease of Ehrlich ascites tumor cells by potassium p-(3,3-dimethyl-1-triazeno) benzoate. Steven FS, et al. **Biochem Int** 1985 Aug; 11(2):153-60

Differential cytotoxicity and DNA-damaging effects produced in human cells of the Mer+ and Mer- phenotypes by a series of alkyltriazenylimidazoles. Gibson NW, et al. **Carcinogenesis** 1986 Feb;7(2):259-65

Effect of alpha-D-mannopyranosylmethyl-p-nitrophenyltriazene on hepatic degradation and processing of the N-linked oligosaccharide chains of alpha 1-acid glycoprotein. Docherty PA, et al. **J Biol Chem** 1986 Mar 5;261(7):3457-63

Pharmacobiochemistry of arylalkyltriazenes and their application in cancer chemotherapy. Spassova MK, et al. **Pharmacol Ther** 1985;27(3):333-52 (150 ref.)

[DTIC and its derivatives: cytotoxic or antimetastatic drugs?] Giraldi T, et al. **G Ital Chemioter** 1985 Jan-Apr;32(1):43-7 (Eng. Abstr.) (Ita)

THERAPEUTIC USE

Effects of DTIC, DM-COOK and ICRF-159 on the number of circulating Lewis lung carcinoma cells detected by flow cytometry. Giraldi T, et al. **Clin Exp Metastasis** 1984 Apr-Jun;2(2):151-9

Effects of postsurgical immunotherapy with PGM in mice bearing Lewis lung carcinoma treated with p-(3,3-dimethyl-1-triazeno) benzoic acid potassium salt. Sava G, et al. **Methods Find Exp Clin Pharmacol** 1985 Sep; 7(9):477-80

TOXICITY

Comparative carcinogenicity of ring-halogenated 3-methyl-1-phenyltriazenes and their 3,3-dimethyl analogs at equimolar dose levels in male Sprague-Dawley rats. Berger MR, et al. **J Cancer Res Clin Oncol** 1986; 111(2):129-32

Mutagenic activity of the dacarbazine analog p-(3,3-dimethyl-1-triazeno)benzoic acid potassium salt in bacterial cells. Tamaro M, et al. **Pharmacol Res Commun** 1986 May;18(5):491-501

TRIAZINES

A specific iron stain for iron-binding proteins in polyacrylamide gels: application to transferrin and lactoferrin. Chung MC. **Anal Biochem** 1985 Aug 1; 148(2):498-502

Affi-gel blue treatment simplifies the protein composition of sarcoplasmic reticulum vesicles. Papp S, et al. **Anal Biochem** 1986 Apr;154(1):327-31

Differential inhibition of catalytic sites in Desulfovibrio gigas hydrogenase. Hallahan DL, et al. **Biochimie** 1986 Jan; 68(1):49-54

Unfocused laser illumination kills dye-targeted mouse neurons by selective photothermolysis. Macklis JD, et al. **Brain Res** 1985 Dec 16;359(1-2):158-65

Protein precipitation induced by a textile dye. Precipitation of human plasminogen in the presence of Procion Red HE3B. Bertrand O, et al. **J Chromatogr** 1985 Oct 18; 346:111-24

Electron-phase-contrast imaging of unstained biological materials, embedded in a water-soluble melamine resin. Westphal C, et al. **J Ultrastruct Res** 1984 Sep;88(3):282-6

A determination of thickness and surface relief in reembedded sections of an epoxy- and a melamine-resin containing ferritin as size standard. Frösch D, et al. **Ultramicroscopy** 1985;17(2):141-6

[Additional comments on the possibilities of using Chloramine B and Dikonit in a mixture with detergents] Kneiflová J. **Cesk Epidemiol Mikrobiol Imunol** 1986 Feb; 35(1):44-9 (Eng. Abstr.) (Cze)

ADMINISTRATION & DOSAGE

[Effectiveness of various dosage concentrations and administration times of Baycox medication in experimental chicken coccidiosis in caged conditions] Greuel E, et al. **DTW** 1986 Jan 7;93(1):29-33 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

Methotrexate toxicity precipitated by azapropazone. Daly HM, et al. **Br J Dermatol** 1986 Jun;114(6):733-5

Photosensitivity during treatment with azapropazone. Olsson S, et al. **Br Med J [Clin Res]** 1985 Oct 5;291(6500):939

Acute effects of lamotrigine (BW430C) in persons with epilepsy. Binnie CD, et al. **Epilepsia** 1986 May-Jun; 27(3):248-54

An outbreak of contact dermatitis in farm workers. Schuman SH, et al. **J Am Acad Dermatol** 1985 Aug;13(2 Pt 1):220-3

Reversible non-oliguric impairment of renal function during azapropazone treatment. Sipilä R, et al. **Scand J Rheumatol** 1986;15(1):23-6

ANALYSIS

Analytical evaluation of the purity of commercial preparations of Cibacron Blue F3GA and related dyes. Heaggi D, et al. **Anal Biochem** 1985 Aug 15;149(1):91-104

Capillary gas chromatographic determination of terbutryn and its degradation products in sorghum grain and confirmation of the compounds by mass spectrometry. Bardalaye PC, et al. **Food Addit Contam** 1985 Oct-Dec; 2(4):283-94

Migration of melamine and formaldehyde from tableware made of melamine resin. Ishiwata H, et al. **Food Addit Contam** 1986 Jan-Mar;3(1):63-9

High-performance liquid chromatographic determination of melamine extracted from cups made of melamine resin. Inoue T, et al. **J Chromatogr** 1985 Oct 18;346:450-2

BLOOD

Simultaneous measurement of proguanil and cycloguanil in human plasma by high-performance liquid chromatography. Edstein MD. **J Chromatogr** 1986 Jul 11; 380(1):184-9

CHEMICAL SYNTHESIS

Potential biologically active agents. Note II. Synthesis and pharmacological evaluation of some new 3-isoxazolyl-substituted-1,2,3-benzotriazin-4(3H)-ones. Daidone G, et al. **Boll Chim Farm** 1985 May;124(5):201-6

Formation of triazene from sulphonamide and nitrite in acidic solution. Haraguchi K, et al. **Food Chem Toxicol** 1986 Apr; 24(4):299-303

[Analgesic drugs. 11. Diacyl derivatives of butyroguanamine] Kreutzberger A, et al. **Arch Pharm (Weinheim)** 1986 Mar; 319(3):275-7 (Ger)

[Antiviral agents. 28. Aliphatic substituted chlordihexylamino-1,3,5-triazine] Kreutzberger A, et al. **Arzneimittelforschung** 1986 Apr;36(4):626-9 (Eng. Abstr.) (Ger)

[Synthesis and pharmacologic profile of new diaryl as-triazines] Pitet G, et al. **Boll Chim Farm** 1985 Jun; 124(6):271-8 (Eng. Abstr.) (Ita)

[Synthesis and anticoccidial activity of 3-(substituted benzylidenehydrazino)-6-(4-chlorophenyl)-1,2,4-triazines] Shibamoto S, et al. **Yakugaku Zasshi** 1986 Mar; 106(3):233-9 (Eng. Abstr.) (Jpn)

DIAGNOSTIC USE

Liquid-liquid extraction of lactate dehydrogenase from muscle using polymer-bound triazine dyes. Johansson G, et al. **Appl Biochem Biotechnol** 1986 Aug;13(1):15-27

Using procion dye as a marker for evaluating osteogenesis after electric stimulation. Liu HC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Mar;85(3):258-65

METABOLISM

Mapping of the triazine binding site to a highly conserved region of the QB-protein. Wolber PK, et al. **Arch Biochem Biophys** 1986 Jul;248(1):224-33

Ring cleavage and degradative pathway of cyanuric acid in bacteria. Cook AM, et al. **Biochem J** 1985 Oct 1; 231(1):25-30

Comparison of metabolism and activity of an aryldimethyltriazene and an aryldiethyltriazene. Farina P, et al. **Biochem Pharmacol** 1986 Jan 15;35(2):209-15

Studies on the ATP-sensitivity of yeast phosphofructokinase by means of affinity partitioning using polymer bound Cibacron blue F3G-A. Kopperschläger G, et al. **Biomed Biochim Acta** 1985;44(7-8):1047-55

Interactions of immobilized and free triazine dyes with glucose-6-phosphate dehydrogenase from yeast. Reuter R, et al. **Biomed Biochim Acta** 1986;45(3):273-80

Low central nervous system penetration of N2,N4,N6,-trihydroxymethyl-N2,N4,N6,-trimethylmelamine (Trimelamol): a cytotoxic s-triazine with reduced neurotoxicity. Judson IR, et al. **Br J Cancer** 1986 May;53(5):601-6

Role of alpha-1 acid glycoprotein, albumin, and nonesterified fatty acids in serum binding of apazone and warfarin. Urien S, et al. **Clin Pharmacol Ther** 1986 Jun;39(6):683-9

Absorption and metabolism of hexamethylmelamine and pentamethylmelamine in rat everted perfused gut segments: correlation with in-vivo data. Borm PJ, et al. **J Pharm Pharmacol** 1985 Sep;37(9):629-36

Studies on the kinetic sequence of in vitro ribosome assembly using cibacron blue F3GA as a general assembly inhibitor. Datta D, et al. **Nucleic Acids Res** 1986 May 27; 14(10):4095-111

PHARMACODYNAMICS

Analogues of N-benzyloxydihydrotriazines: in vitro antimalarial activity against Plasmodium falciparum. Childs GE, et al. **Ann Trop Med Parasitol** 1986 Apr;80(2):177-81

Antifungal properties of 1,2-dihydro-3-methylpyrido-(3,2-e)-as-triazine dihydrochloride (I-476). Wieczorek J, et al. **Arch Immunol Ther Exp (Warsz)** 1985;33(2):339-44

Effects of temperature, aurintricarboxylic acid and cibacron blue on 2',5'-oligoadenylate binding protein (RNase L) activity in rabbit reticulocyte lysates. Eslami BS, et al. **Biochem Int** 1986 Jul;13(1):163-71

Further studies on substituted quinazolines and triazines as inhibitors of a methotrexate-insensitive murine dihydrofolate reductase. Dedhar S, et al. **Biochem Pharmacol** 1986 Apr 1;35(7):1143-7

Inhibition of rat neutrophil functional responses by azapropazone, an anti-gout drug. Mackin WM, et al. **Biochem Pharmacol** 1986 Mar 15;35(6):917-22

Lamotrigine (BW430C), a potential anticonvulsant. Effects on the central nervous system in comparison with phenytoin and diazepam. Cohen AF, et al. **Br J Clin Pharmacol** 1985 Dec;20(6):619-29

BW A256C, a chemically novel class 1 antiarrhythmic agent. A comparison of in vitro and in vivo activity with other class 1 antiarrhythmic agents. Allan G, et al. **Br J Pharmacol** 1986 Jun;88(2):333-43

Cyanatryn: degradation and effectiveness in controlling aquatic plants. MacKenzie D, et al. **Bull Environ Contam Toxicol** 1985 Nov;35(5):666-72

Comparison of triazines as inhibitors of L1210 dihydrofolate reductase and of L1210 cells sensitive and resistant to methotrexate. Selassie CD, et al. **Cancer Res** 1986 Feb; 46(2):744-56

SR-4233: a new bioreductive agent with high selective toxicity for hypoxic mammalian cells. Zeman EM, et al. **Int J Radiat Oncol Biol Phys** 1986 Jul;12(7):1239-42

Cyromazine inhibits larval development of the dog flea, Ctenocephalides canis (Siphonaptera: Pulicidae). Friedel T. **J Econ Entomol** 1986 Jun;79(3):697-9

Cyromazine inhibits reproduction and larval development of the Australian sheep blow fly (diptera: Calliphoridae). Friedel T, et al. **J Econ Entomol** 1985 Aug;78(4):868-73

Studies on cyromazine in the house fly, Musca domestica (Diptera: Muscidae). el-Ghar MA, et al. **J Econ Entomol** 1985 Dec;78(6):1203-7

Quantitative structure-activity relationship of antifolate inhibition of bacteria cell cultures resistant and sensitive to methotrexate. Coats EA, et al. **J Med Chem** 1985 Dec; 28(12):1910-6

Induction of SOS responses in Escherichia coli by Panfuran-S, 3-di(hydroxymethyl)amino-6-(5-nitro-2-furylethenyl)-1,2,4-triazine. Ohnishi T, et al. **Mutat Res** 1985 Nov; 146(3):243-7

Effects of cyromazin and methoprene on the developmental stages of Anopheles dirus, Aedes aegypti and Culex quinquefasciatus (Diptera : Culicidae). Phonchevin T, et al. **Southeast Asian J Trop Med Public Health** 1985 Jun; 16(2):240-7

A determination of thickness and surface relief in reembedded sections of an epoxy- and a melamine-resin containing ferritin as size standard. Frösch D, et al. **Ultramicroscopy** 1985;17(2):141-6

The effect of some asymmetric triazine derivatives on the in vitro formation of free superoxide radicals. Zuivertz A, et al. **Virologie** 1986 Apr-Jun;37(2):131-5

Influence of the herbicides Goltix and Sencor on nitrification process in two soils. Gadkari D. **Zentralbl Mikrobiol** 1985; 140(7):547-54

[Antiaggregant action on human platelets of a series of asymmetric triazines] Pitet G, et al. **Ann Pharm Fr** 1985; 43(5):463-9 (Eng. Abstr.) (Fre)

[The anti-platelet aggregation action of asymmetric triazines] Pitet G, et al. **Ann Pharm Fr** 1985;43(4):407-17 (Eng. Abstr.) (Fre)

[Antiviral compounds. XV. Reaction of 5,6-diphenyl-1,2,4-triazine-3-thiol with alcohols and antiviral activity] Shibamoto S, et al. **Yakugaku Zasshi** 1986 Jan;106(1):54-9 (Eng. Abstr.) (Jpn)

[Antiviral and antibacterial activities of 1-amino-3-(substituted benzenesulfonyl)guanidines and 3-(substituted benzenesulfonylamino)-5,6-disubstituted-1,2,4-triazines] Yoshii S, et al. **Yakugaku Zasshi** 1986 Apr;106(4):295-301 (Eng. Abstr.) (Jpn)

[Inhibition of lactate and malate dehydrogenase by dyes containing vinylsulfone and chlorotriazine groups] Markina VL, et al. **Biokhimiia** 1986 Feb;51(2):306-12 (Eng. Abstr.) (Rus)

[Use of Cibacron blue F 3GA-CL-sepharose 6B for the purification of T4 DNA- and RNA-ligases] Martsishauskas RP, et al. **Prikl Biokhim Mikrobiol** 1985 Jul-Aug; 21(4):482-91 (Eng. Abstr.) (Rus)

POISONING

Carbohydrate, protein and glycoprotein metabolism by the guinea-pig liver in chronic metribuzin poisoning. Tomaszewski J, et al. **Acta Biol Hung** 1985;36(1):15-23

The neurotoxicity of cyclotrimethylenetrinitramine (RDX) in a child: a clinical and pharmacokinetic evaluation. Woody RC, et al. **J Toxicol Clin Toxicol** 1986;24(4):305-19

THERAPEUTIC USE

Efficacy of toltrazuril in the prevention of coccidiosis in naturally infected lambs on pasture. Gjerde B, et al. **Acta Vet Scand** 1986;27(1):124-37

Pentamethylmelamine: review of an aqueous analog of hexamethylmelamine. Foster BJ, et al. **Cancer Treat Rep** 1986 Mar;70(3):383-9 (37 ref.)

Role of hexamethylmelamine in the treatment of ovarian

cancer: where is the needle in the haystack? Foster BJ, et al. **Cancer Treat Rep** 1986 Aug;70(8):1003–14 (65 ref.)
Phase II trial of Baker's antifol in patients with recurrent or inoperable head and neck cancer. Krasnow S, et al. **Cancer Treat Rep** 1986 Aug;70(8):1039–40
Effect of phenobarbital pretreatment on the metabolism and antitumor activity of hexamethylmelamine. Paolini A, et al. **Cancer Treat Rep** 1986 Apr;70(4):513–6
Azapropazone in arthritis: a long-term treatment. Wheatley D. **Curr Med Res Opin** 1984;9(2):86–92
Imidazo[1,5-d][1,2,4]triazines as potential antiasthma agents. Paul R, et al. **J Med Chem** 1985 Nov;28(11):1704–16
Novel bis[1,6-dihydro-6,6-dimethyl-1,3,5-triazine-2,4-diamines] as antitrypanosomal agents. Turner WR, et al. **J Med Chem** 1985 Nov;28(11):1728–40

TOXICITY

Preclinical toxicology, pharmacokinetics and formulation of N2,N4,N6-trihydroxymethyl-N2,N4,N6-trimethylmelamine (trimelamol), a water-soluble cytotoxic s-triazine which does not require metabolic activation. Rutty CJ, et al. **Cancer Chemother Pharmacol** 1986; 17(3):251–8
Retinal damage in hatched chicks induced by formoguanamine. Decrease in ornithine aminotransferase activity and vitamin B6 content. Obara Y, et al. **Exp Eye Res** 1985 Oct;41(4):519–26
Absence of mutagenic activity for monosodium cyanurate. Hammond BG, et al. **Fundam Appl Toxicol** 1985 Aug; 5(4):655–64
The induction of bladder stones by terephthalic acid, dimethyl terephthalate, and melamine (2,4,6-triamino-s-triazine) and its relevance to risk assessment. Heck HD, et al. **Regul Toxicol Pharmacol** 1985 Sep;5(3):294–313 (63 ref.)
Studies on the acute toxicity primary irritancy and genotoxic potential of 1,3,5-triacryloylhexahydro-s-triazine (TAHT). Slesinski RS, et al. **Toxicology** 1986 Aug;40(2):145–63
[Carcinogenic and mutagenic properties of the herbicide sencor] Shkliaruk LV, et al. **Gig Sanit** 1985 Jul;(7):93 **(Rus)**
[Toxicity and sanitary standardization of melamine cyanurate (experimental data)] Aleksandrian AV. **Gig Tr Prof Zabol** 1986 Jan;(1):44–5 **(Rus)**

TRIAZIQUONE

THERAPEUTIC USE

Perioperative chemotherapy in the treatment of carcinoma of the uterine cervix. Gasparri F, et al. **Chemioterapia** 1986 Feb;5(1):44–52

TRIAZOLAM

Triazolam premedication. A comparison with lorazepam and placebo in gynaecological patients. Thomas D, et al. **Anaesthesia** 1986 Jul;41(7):692–7
Treatment of triazolam dependence with a tapering withdrawal regimen. Singh AN, et al. **Can Med Assoc J** 1986 Feb 1;134(3):243–5
Experimental assessment of the relative abuse liability of triazolam and pentobarbital. Roache JD, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;55:106–10

ADVERSE EFFECTS

Seizure following withdrawal from triazolam [letter] Tien AY, et al. **Am J Psychiatry** 1985 Dec;142(12):1516–7
Comparison of midazolam and triazolam for residual effects. Wehli L, et al. **Arzneimittelforschung** 1985;35(11):1700–4
Paranoid symptoms associated with triazolam [letter] Schogt B, et al. **Can J Psychiatry** 1985 Oct;30(6):462–3
Withdrawal regimen for triazolam-dependent patients [letter] Fleming JA, et al. **Can Med Assoc J** 1986 Jun 1; 134(11):1230–2
Central nervous system toxicity associated with concurrent use of triazolam and cimetidine. Britton ML, et al. **Drug Intell Clin Pharm** 1985 Sep;19(9):666–8
Comment: Triazolam–cimetidine reaction [letter] Greenblatt DJ. **Drug Intell Clin Pharm** 1985 Sep;19(9):679
Behavioral side effects of triazolam in psychiatric inpatients: report of five cases. Soldatos CR, et al. **Drug Intell Clin Pharm** 1986 Apr;20(4):294–7
Adverse reactions to vaginal pessaries, enalpril and triazolam [letter] Edwards IR. **NZ Med J** 1985 Dec 25;98(793):1094–5

ANALYSIS

[Further data on the detection of triazolam (Halcion) and its main metabolites] Schütz H. **Beitr Gerichtl Med** 1985; 43:465–7 (Eng. Abstr.) **(Ger)**

METABOLISM

Pharmacokinetic consequences of long term coadministration of cimetidine and triazolobenzodiazepines, alprazolam and triazolam, in healthy subjects. Pourbaix S, et al. **Int J Clin Pharmacol Ther Toxicol** 1985 Aug;23(8):447–51
Enhanced bioavailability of triazolam following sublingual versus oral administration. Scavone JM, et al. **J Clin Pharmacol** 1986 Mar;26(3):208–10
Temporal variation in triazolam pharmacokinetics and pharmacodynamics after oral administration. Smith RB, et al. **J Clin Pharmacol** 1986 Feb;26(2):120–4
Bioavailability of two oral formulations of triazolam using radioreceptor assay. Lapka R, et al. **Pharmazie** 1986 Apr; 41(4):256–7

PHARMACODYNAMICS

The effects of triazolam on cerebral blood flow and metabolism in the dog. Roald OK, et al. **Acta Anaesthesiol Scand** 1986 Apr;30(3):223–6
The carry-over effects of triazolam compared with nitrazepam and placebo in acute emergency driving situations and in monotonous simulated driving. Laurell H, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Mar; 58(3):182–6
Repeated administration of diazepam and triazolam to subjects with histories of drug abuse. Roache JD, et al. **Drug Alcohol Depend** 1986 May;17(1):15–29
Hyperphagic and anorectic effects of beta-carbolines in a palatable food consumption test: comparisons with triazolam and quazepam. Cooper SJ. **Eur J Pharmacol** 1986 Jan 29;120(3):257–65
A benzodiazepine used in the treatment of insomnia phase-shifts the mammalian circadian clock. Turek FW, et al. **Nature** 1986 May 8–14;321(6066):167–8
Effects of diazepam and triazolam on auditory and visual thresholds and reaction times in the baboon. Lukas SE, et al. **Psychopharmacology (Berlin)** 1985;87(2):167–72

POISONING

Triazolam overdose [letter] Price WA, et al. **J Clin Psychiatry** 1986 Jan;47(1):50

THERAPEUTIC USE

A double-blind controlled study of chlormethiazole and triazolam as hypnotics in the elderly. Bayer AJ, et al. **Acta Psychiatr Scand [Suppl]** 1986;329:104–11
Lormetazepam or triazolam as night sedation before surgery. Hughes RR, et al. **Br J Clin Pract** 1986 Jul;40(7):279–81
Early morning insomnia and daytime anxiety—a multicentre general practice study comparing loprazolam and triazolam. Moon CA, et al. **Br J Clin Pract** 1985 Sep; 39(9):352–8
The use of benzodiazepines in the elderly [letter] **Br J Hosp Med** 1986 Aug;36(2):149
Effects of quazepam and triazolam on the sleep of chronic insomniacs: a comparative 25-night sleep laboratory study. Mamelak M, et al. **Clin Neuropharmacol** 1985;8 Suppl 1:S63–73
Dose-related effects of triazolam and flurazepam on a circadian rhythm insomnia. Seidel WF, et al. **Clin Pharmacol Ther** 1986 Sep;40(3):314–20
Triazolam in the restless legs syndrome [letter] Tollefson G, et al. **J Clin Psychopharmacol** 1985 Dec;5(6):361–2
Efficacy of a reduced triazolam dose in elderly insomniacs. Roehrs T, et al. **Neurobiol Aging** 1985 Winter;6(4):293–6
Effects of acute benzodiazepine administration on growth hormone, prolactin and cortisol release after moderate insulin-induced hypoglycemia in normal women. Ambrosi F, et al. **Psychopharmacology (Berlin)** 1986;88(2):187–9

TOXICITY

Morning amnestic effects of triazolam. Scharf MB, et al. **Hillside J Clin Psychiatry** 1986;8(1):38–45

TRIAZOLES

Pharmacological basis for the induction of gastric carcinoid tumours in the rat by loxtidine, an insurmountable histamine H2-receptor blocking drug. Brittain RT, et al. **Br J Pharmacol** 1985 Aug;85(4):843–7
Synthesis of nucleic acid methylphosphonates via the 1-hydroxybenzotriazole phosphotriester approach. Marugg JE, et al. **Nucleic Acids Res** 1986 Mar 11;14(5):2171–85

ADMINISTRATION & DOSAGE

Phase I study of triglycidylurazol given on a 5-day i.v. schedule. Nicaise C, et al. **Cancer Treat Rep** 1986 May; 70(5):599–603
Comparison of terconazole and clotrimazole vaginal tablets in the treatment of vulvovaginal candidosis. Kjaeldgaard A. **Pharmatherapeutica** 1986;4(8):525–31

ADVERSE EFFECTS

Antisecretory drugs and gastric cancer [letter] Daly MJ, et al. **Br Med J [Clin Res]** 1985 Dec 7;291(6509):1646–7
Allergic contact dermatitis from aminotriazole. English JS, et al. **Contact Dermatitis** 1986 Apr;14(4):255–6
Inhibition of acid and gastric carcinoids. Elder JB. **Gut** 1985 Dec;26(12):1279–83 (37 ref.)
Association of long lasting unsurmountable histamine H2 blockade and gastric carcinoid tumours in the rat. Poynter D, et al. **Gut** 1985 Dec;26(12):1284–95

ANALYSIS

Development of an enzyme-linked immunosorbent assay for triadimefon in foods. Newsome WH. **Bull Environ Contam Toxicol** 1986 Jan;36(1):9–14

BLOOD

Serum fungistatic and fungicidal activity in volunteers receiving antifungal agents. Meunier F. **Eur J Clin Microbiol** 1986 Feb;5(1):103–9
Reversed-phase high-performance liquid chromatographic determination of anaxirone in biological specimens. Schilcher RB, et al. **J Chromatogr** 1986 May 28; 378(1):248–53
Induction of rat liver microsomal drug-metabolizing enzymes by a new sleep inducer 450191-S and plasma levels of 450191-S-metabolites. Matsubara T, et al. **J Pharmacobiodyn** 1986 Mar;9(3):249–56

CEREBROSPINAL FLUID

Penetration of imidazoles and triazoles into cerebrospinal fluid of rabbits. Perfect JR, et al. **J Antimicrob Chemother** 1985 Jul;16(1):81–6

CHEMICAL SYNTHESIS

New acylated 1,2,4-triazoles as antiviral agents. Somorai T, et al. **Arch Pharm (Weinheim)** 1986 Mar;319(3):238–42
N-benzyl-4-phenyl-1,2,3-triazole derivatives as in vitro inhibitors of the prostaglandin synthesis. Biagi G, et al. **Farmaco [Sci]** 1986 Aug;41(8):597–610
Potential antihypertensives. Synthesis of 6-substituted-N-(4H-1,2,4-triazol-4-yl)-3-pyridazinamines and 3-substituted-6-(3,5-dimethyl-1H-1,2,4-triazol-1-yl)= pyridazines. Di Mola N, et al. **Farmaco [Sci]** 1985 Jul; 40(7):517–33
Thromboxane synthetase inhibitors and antihypertensive agents. 1. N-[(1H-imidazol-1-yl)alkyl]aryl amides and N-[(1H-1,2,4-triazol-1-yl)alkyl]aryl amides. Wright WB Jr, et al. **J Med Chem** 1986 Apr;29(4):523–30
[Synthesis of 4(2H-1,2,3-triazol-2-yl)pyrimidines] Giammanco L, et al. **Farmaco [Sci]** 1986 Mar;41(3):225–8 (Eng. Abstr.) **(Ita)**

METABOLISM

Pharmacokinetic evaluation of UK-49,858, a metabolically stable triazole antifungal drug, in animals and humans. Humphrey MJ, et al. **Antimicrob Agents Chemother** 1985 Nov;28(5):648–53
Pharmacokinetics of vibunazole (BAY n 7133) administered orally to healthy subjects. van Gulpen C, et al. **J Antimicrob Chemother** 1985 Jul;16(1):75–9
Intestinal activation of a new sleep inducer 450191-S, a 1H-1,2,4-triazolyl benzophenone derivative, in rats. Koike M, et al. **J Pharmacobiodyn** 1986 Mar;9(3):315–20
Inactivation of rabbit pulmonary cytochrome P-450 in microsomes and isolated perfused lungs by the suicide substrate 1-aminobenzotriazole. Mathews JM, et al. **J Pharmacol Exp Ther** 1985 Oct;235(1):186–90

PHARMACODYNAMICS

Effect of 3-amino-1,2,4-triazole pretreatment on ethanol blood levels after intraperitoneal administration. Tampier L, et al. **Alcohol** 1986 May-Jun;3(3):181–3
Comparison of the in vitro and in vivo activity of the bis-triazole derivative UK 49,858 with that of amphotericin B against Histoplasma capsulatum. Kobayashi GS, et al. **Antimicrob Agents Chemother** 1986 Apr;29(4):660–2
Anticandidal activities of terconazole, a broad-spectrum antimycotic. Tolman EL, et al. **Antimicrob Agents Chemother** 1986 Jun;29(6):986–91
Selective inhibition of virus multiplication by new acylated 1,2,4-triazole derivatives. Horváth S, et al. **Antiviral Res** 1986 Jan;6(1):49–55
Pharmacological effects of SCH 30497—a novel analgesic substance. Chipkin RE, et al. **Arch Int Pharmacodyn Ther** 1985 Nov;278(1):23–44
Stereo-selective interaction of enantiomers of diniconazole, a fungicide, with purified P-450/14DM from yeast. Yoshida Y, et al. **Biochem Biophys Res Commun** 1986 May 29;137(1):513–9
Potentiation of thyroxine 5-deiodination by aminotriazole. Cartier LJ, et al. **Biochim Biophys Acta** 1985 Nov 22; 843(1-2):68–72
On the mode of action of a new contragestational agent (DL 111-IT). Galliani G, et al. **Contraception** 1986 Mar; 33(3):263–83
A new non-hormonal antifertility drug DL 111-IT: II. Effects on testicular hyaluronidase activity in male rats. Prasad RS, et al. **Contraception** 1986 Jan;33(1):89–99
A new non-hormonal antifertility drug DL 111-IT: I. Effects on testes and accessory glands of reproduction in male rats. Prasad RS, et al. **Contraception** 1986 Jan;33(1):79–88
Irrelevance of growth phase with respect to the Bay n 7133 and ICI 153,066 susceptibilities of Candida albicans. Beggs WH, et al. **Diagn Microbiol Infect Dis** 1986 Jan;4(1):83–6
Immunological profile of DL111-IT, a new immunosuppressant agent. Mistrello G, et al. **Immunopharmacology** 1985 Dec;10(3):163–9
Radiosensitization in vitro and in vivo by 3-nitrotriazoles. Shibamoto Y, et al. **Int J Radiat Oncol Biol Phys** 1986 Jul;12(7):1063–6
Influence of culture medium on susceptibility testing with BAY n 7133 and ketoconazole. Hoeprich PD, et al. **J Clin Microbiol** 1986 Aug;24(2):269–71
Pseudosymmetry and bioisosterism in biaryl pyridyl

competitive histamine H2-receptor antagonists. Lipinski CA, et al. **J Med Chem** 1985 Nov;28(11):1628–36
Azole resistance in Candida albicans. Smith KJ, et al. **J Med Vet Mycol** 1986 Apr;24(2):133–44
Effect of 450191–S, a 1H–1,2,4–triazolyl benzophenone derivative, on cerebral content of neuroactive amino acids. Tomono S, et al. **Jpn J Pharmacol** 1985 Dec;39(4):558–61
Blockade of ethanol induced conditioned taste aversion by 3–amino–1,2,4–triazole: evidence for catalase mediated synthesis of acetaldehyde in rat brain. Aragon CM, et al. **Life Sci** 1985 Dec 2;37(22):2077–84
N–alkylaminobenzotriazoles as isozyme–selective suicide inhibitors of rabbit pulmonary microsomal cytochrome P–450. Mathews JM, et al. **Mol Pharmacol** 1986 Jul; 30(1):25–32
Carcinogens induce genetic tandem duplications in Salmonella. Pall ML, et al. **Mutat Res** 1985 Nov–Dec; 152(2–3):131–45
Action mechanisms of cell–division–arresting benzimidazoles and of sterol biosynthesis–inhibiting imidazoles, 1,2,4–triazoles, and pyrimidines. Berg D, et al. **Mykosen** 1986 May;29(5):221–9
Emetic effect of triazolopyrimidine, a pyrimidine compound, in dogs. Akahori F, et al. **Vet Hum Toxicol** 1985 Oct; 27(5):381–5
[Radiosensitizing properties of an analog of azathioprine] Van Caneghem P, et al. **Ann Pharm Fr** 1985;43(4):365–71 (Eng. Abstr.) **(Fre)**
[Effect of a new sleep inducer, 1H–1,2,4–triazolyl benzophenone derivative 450191–S on rat liver drug–metabolizing enzyme system] Matsubara T, et al. **Nippon Yakurigaku Zasshi** 1985 Aug;86(2):115–27 (Eng. Abstr.) **(Jpn)**
[Transport of a new sleep–inducer, 1H–1,2,4–triazolyl benzophenone derivative (450191–S), and its active metabolites to the brain in rats and mice] Tanaka H, et al. **Nippon Yakurigaku Zasshi** 1985 Aug;86(2):129–43 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Comparative activities of UK–49,858 and amphotericin B against Blastomyces dermatitidis infections in mice. Lyman CA, et al. **Antimicrob Agents Chemother** 1986 Jan; 29(1):161–2
Comparison of itraconazole and fluconazole in treatment of cryptococcal meningitis and candida pyelonephritis in rabbits. Perfect JR, et al. **Antimicrob Agents Chemother** 1986 Apr;29(4):579–83
Efficacy of UK–49,858 (fluconazole) against Candida albicans experimental infections in mice. Troke PF, et al. **Antimicrob Agents Chemother** 1985 Dec;28(6):815–8
Small cell lung cancer: results of a phase II study of 1,2,4 triglycidylurazol. Cunningham D, et al. **Cancer Chemother Pharmacol** 1986;17(1):85–6
Guanazole in the treatment of advanced bronchogenic carcinoma: a pilot study of the Southeastern Cancer Study Group. Kruss S, et al. **Cancer Treat Rep** 1986 Jul; 70(7):913–4
Primary resistance of renal adenocarcinoma to 1,2,4–triglycidylurazol (TGU, NSC 332488), a new triexpoxide cytostatic agent—a phase II study of the EORTC early clinical trials group. Bruntsch U, et al. **Eur J Cancer Clin Oncol** 1986 Jun;22(6):697–9
Treatment of murine coccidioidal meningitis with fluconazole (UK 49,858). Graybill JR, et al. **J Med Vet Mycol** 1986 Apr;24(2):113–9
[Terconazole, a new triazole derivative for the treatment of vaginal mycoses] Raab W. **Gynakol Rundsch** 1985; 25(4):197–220 **(Ger)**

TOXICITY

Thromboxane synthetase inhibitors and antihypertensive agents. 2. N–[(1H–imidazol–1–yl)alkyl]–1H–isoindole–1,3(2H)–diones and N–[(1H–1,2,4–triazol–1–yl)alkyl]–1H–isoindole–1,3(2H)–diones as unique antihypertensive agents. Press JB, et al. **J Med Chem** 1986 May;29(5):816–9
Ovulation in rats is delayed by a substituted triazole. Middleton MC, et al. **Toxicol Appl Pharmacol** 1986 Apr; 83(2):230–9
Amitrole: strain differences in morphological response of the liver following subchronic administration to mice. Mori S, et al. **Toxicol Lett** 1985 Dec;29(2–3):145–52

TRIBENOSIDE see under **GLYCOSIDES**

TRIBOLIUM

PARASITOLOGY

Experimental infection of Tribolium confusum (Coleoptera) by Hymenolepis diminuta (Cestoda): host fecundity during infection. Maema M. **Parasitology** 1986 Apr;92 (Pt 2):405–12

TRIBUTYRINASE see **LIPASE**

TRICARBOXYLIC ACID CYCLE see **CITRIC ACID CYCLE**

TRICARBOXYLIC ACIDS

METABOLISM

Substrate metabolism of isolated jejunal epithelium: conservation of three–carbon units. Mallet RT, et al. **Am J Physiol** 1986 Feb;250(2 Pt 1):C191–8

PHARMACODYNAMICS

Trypanosoma brucei: cis–aconitate and temperature reduction as triggers of synchronous transformation of bloodstream to procyclic trypomastigotes in vitro. Czichos J, et al. **Exp Parasitol** 1986 Oct;62(2):283–91
Contraluminal sulfate transport in the proximal tubule of the rat kidney. III. Specificity: disulfonates, di– and tri–carboxylates and sulfocarboxylates. Ullrich KJ, et al. **Pflugers Arch** 1985 Aug;404(4):300–6

TRICHINA see **TRICHINELLA**

TRICHINELLA

Swine trichinosis in New England slaughterhouses. Schad GA, et al. **Am J Vet Res** 1985 Sep;46(9):2008–10
Rapid diagnosis of trichinosis by percutaneous muscle biopsy. Pun KK. **J Infect** 1985 Nov;11(3):201–3
[150th anniversary of the discovery of the parasite Trichinella spiralis. Aspects in the evolution of our knowledge of T. spiralis and trichinelliasis] Cironeanu I. **Rev Ig [Bacteriol]** 1985 Apr–Jun;30(2):185–91 **(Rum)**

ANALYSIS

A comparison of the surface and secretions of Trichinella pseudospiralis and T. spiralis. Almond NM, et al. **Parasitology** 1986 Aug;93 (Pt 1):163–76

CLASSIFICATION

Trichinella species and the controversy around them. Britov VA. **Wiad Parazytol** 1985;31(3):213–9

DRUG EFFECTS

Effect of clofibrate and hydrocortisone on intestinal trichinellosis in mice. Sanmartín Durán ML, et al. **Vet Parasitol** 1986 May;21(1):55–60
Effect of clofibrate on the endogenous cycle of Trichinella spiralis and Trichinella nelsoni. Santamarina Fernández MT, et al. **Wiad Parazytol** 1985;31(3):333–7

ENZYMOLOGY

A comparative study of the succinate dehydrogenase–fumarate reductase complex in the genus Trichinella. Rodriguez–Caabeiro F, et al. **Parasitology** 1985 Dec;91 (Pt 3):577–83
Succinate dehydrogenase and fumarate reductase activity in Trichinella spiralis and the mode of action of some anthelmintics. Rodriguez–Caabeiro F, et al. **Wiad Parazytol** 1985;31(3):253–6

GENETICS

The use of enzyme polymorphisms to identify genetic differences in the genus Trichinella. Mydynski LJ, et al. **J Parasitol** 1985 Oct;71(5):671–7
Compared genetic distance of Trichinella pseudospiralis with other trichinellae isolations by hyperimmunization. Bolas–Fernandez F, et al. **Wiad Parazytol** 1985; 31(3):227–30
Genetic distance between Trichinella pseudospiralis and other trichinellae by single oral immunization. Garate–Ormaechea T, et al. **Wiad Parazytol** 1985; 31(3):221–5
Compared genetic distance between Trichinella spiralis and other trichinellae isolations by several immunization path–ways. Martinez–Fernandez AR, et al. **Wiad Parazytol** 1985;31(3):231–5

GROWTH & DEVELOPMENT

Effects of iron deficiency on viability of Trichinella spiralis larvae in vitro. Theodoropoulos G, et al. **Vet Parasitol** 1986 Jan;19(1–2):117–20
[Trichinella spiralis: evidence of pulmonary retention of the newborn larvae] Bruschi F, et al. **Ann Ist Super Sanita** 1986;22(1):453–5 (Eng. Abstr.) **(Ita)**
[Changes in the newborn larvae of Trichinella spiralis during maturation] Bruschi F, et al. **Ann Ist Super Sanita** 1986; 22(1):173–8 (Eng. Abstr.) **(Ita)**
[Microcirculation systems forming in skeletal muscles around the larva of trichina (Trichinella spiralis Garcavi, 1972, Trichinella spiralis Owen, 1835)] Berezantsev IuA, et al. **Dokl Akad Nauk SSSR** 1986;287(5):1278–80 **(Rus)**

IMMUNOLOGY

Field evaluation of the enzyme–linked immunosorbent assay for swine trichinosis: efficacy of the excretory–secretory antigen. Murrell KD, et al. **Am J Vet Res** 1986 May; 47(5):1046–9
Vaccination against the gastrointestinal helminths Trichinella spiralis and Hymenolepis nana: relationship between routes of immunization and effective protection. Gabriele F, et al. **Boll Ist Sieroter Milan** 1985;64(5):408–13
In vitro cellular immune response in mice and rabbits immunized with Trichinella spiralis antigen. Palmas C, et al. **Boll Ist Sieroter Milan** 1985;64(3):216–21
Preparation and standardization of antigens useful in the diagnosis of swine trichinellosis. Despommier DD. **Dev Biol Stand** 1985;62:53–6
Antigen–specific T–cell lines transfer protective immunity against Trichinella spiralis in vivo. Riedlinger J, et al. **Immunology** 1986 May;58(1):57–61
Comparison of immune effects in mice immunized with Trichinella spiralis adult and larval antigens. Gamble HR. **J Parasitol** 1985 Oct;71(5):680–2
Immunoglobulin class specific responses to biochemically defined antigens of Trichinella spiralis. Almond NM, et al. **Parasite Immunol** 1986 Jul;8(4):391–406
Molecular identity of a major antigen of Schistosoma mansoni which cross–reacts with Trichinella spiralis and Fasciola hepatica. Aronstein WS, et al. **Parasitology** 1986 Feb;92 (Pt 1):133–51
[Possibility of antigenic variation in newborn larvae of Trichinella spiralis] Binaghi RA, et al. **Ann Ist Super Sanita** 1986;22(1):457–9 (Eng. Abstr.) **(Ita)**
[Characteristics of an immunoenzyme test system with Trichinella antigens] Poletaeva OG, et al. **Med Parazitol (Mosk)** 1986 May–Jun;(3):51–6 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Trichinella spiralis in wild animals, cats, mice, rats and farmed fur animals in Finland. Hirvelä–Koski V, et al. **Nord Vet Med** 1985 Jul–Aug;37(4):234–42
[Experimental infection of swine with an Italian strain of Trichinella sp. and resistance of the larvae in various delicatessen products] Pozio E, et al. **Ann Ist Super Sanita** 1986;22(1):461–3 **(Ita)**

METABOLISM

Comparative study of the fatty acids of Trichinella spiralis, Trichinella nativa and Trichinella nelsoni. Sanmartín Durán ML, et al. **Wiad Parazytol** 1985;31(3):257–60
[Bioenergy metabolism in larvae of Trichinella spiralis spiralis and Trichinella spiralis pseudospiralis] Boczoń K. **Wiad Parazytol** 1985;31(3):237–51 (Eng. Abstr.) **(Pol)**

PARASITOLOGY

Muscle fiber selectivity of Trichinella spiralis and Trichinella pseudospiralis (1983). Bagheri A, et al. **J Parasitol** 1986 Apr;72(2):277–82

PATHOGENICITY

Infectivity in rodents and cold resistance of Trichinella spiralis isolated from pig and polar bear, and T. pseudospiralis. Ooi HK, et al. **Jpn J Vet Res** 1986 Apr; 34(2):105–10

PHYSIOLOGY

Trichinella spiralis: newborn larval migration route in rats reexamined. Wang CH, et al. **Exp Parasitol** 1986 Feb; 61(1):76–85
Effects of low temperatures on larvae of the genus Trichinella. Hulínská D, et al. **Folia Parasitol (Praha)** 1985; 32(3):211–6
The role of muscle larvae of Trichinella spiralis in the behavioral alterations of the mouse host. Zohar AS, et al. **J Parasitol** 1986 Jun;72(3):464–6
[Trichinella spiralis as a teacher or the parasite–host relationship between a threadworm and an institute] Ruitenberg EJ, et al. **Tijdschr Diergeneeskd** 1986 Mar 15; 111(6):275–81 (Eng. Abstr.) **(Dut)**

ULTRASTRUCTURE

A freeze–fracture study of the body wall of adult, in utero larvae and infective–stage larvae of Trichinella (Nematoda). Lee DL, et al. **Tissue Cell** 1986;18(2):219–30

TRICHINELLIASIS see **TRICHINOSIS**

TRICHINELLOIDEA see **TRICHUROIDEA**

TRICHINOSIS

Dermatomyositis–like syndrome caused by trichinae. Report of two cases. Herrera R, et al. **J Rheumatol** 1985 Aug; 12(4):782–4
Proceedings of the International Commission on Trichinellosis. No. XVIII. **Wiad Parazytol** 1985; 31(3):213–360

BLOOD

Serum zinc and copper levels in cases with high eosinophilia. Boulos LM, et al. **J Egypt Soc Parasitol** 1985 Dec; 15(2):559–62
Eosinophilia in murine trichinellosis. Pincus SH, et al. **J Parasitol** 1986 Apr;72(2):321–5
Canine trichinellosis: haematological changes during the infection. Martinez–Gomez F, et al. **Wiad Parazytol** 1985; 31(3):283–7
Canine trichinellosis: glucose, urea and total protein values.

Moreno T, et al. **Wiad Parazytol** 1985;31(3):279–82
[Course of blood corticosterone in trichinosis in rats; its relation with immunosuppression] Bailenger J, et al. **Ann Parasitol Hum Comp** 1985;60(4):445–54 (Eng. Abstr.) (Fre)
[Inhibition of Plasmodium berghei in rats infested with Strongyloides ratti or Trichinella spiralis; role of high blood corticosterone in reaction to the development of helminths] Bailenger J, et al. **Ann Parasitol Hum Comp** 1985; 60(4):435–43 (Eng. Abstr.) (Fre)

COMPLICATIONS

Rose spots and trichinosis—report of a case. Pun KK. **Clin Exp Dermatol** 1985 Nov;10(6):587–9
Arctic trichinosis presenting as prolonged diarrhea. Viallet J, et al. **Gastroenterology** 1986 Oct;91(4):938–46

DIAGNOSIS

Rapid diagnosis of trichinosis by percutaneous muscle biopsy. Pun KK. **J Infect** 1985 Nov;11(3):201–3
[Case report of florid trichinosis in otorhinolaryngology] Brackmann T, et al. **HNO** 1985 Sep;33(9):409–12 (Eng. Abstr.) (Ger)
[Trichinosis] Martínez-Pantaleón OB, et al. **Bol Med Hosp Infant Mex** 1986 Mar;43(3):181–3 (Eng. Abstr.) (Spa)

DRUG THERAPY

Trials of some antibiotics and chemotherapeutics on experimental trichinosis. el-Ridi AM, et al. **J Egypt Soc Parasitol** 1985 Jun;15(1):195–200
Efficacy of ivermectin against Trichinella spiralis in mice. Georgieva D. **Wiad Parazytol** 1985;31(3):339–41
Succinate dehydrogenase and fumarate reductase activity in Trichinella spiralis and the mode of action of some anthelmintics. Rodriguez-Casbeiro F, et al. **Wiad Parazytol** 1985;31(3):253–6
Effect of clofibrate on the endogenous cycle of Trichinella spiralis and Trichinella nelsoni. Santamarina Fernández MT, et al. **Wiad Parazytol** 1985;31(3):333–7
[Therapeutic efficacy of mebendazole and pyquiton against Trichinella spiralis in mice] Gong JP, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1985;3(2):98–100 (Eng. Abstr.) (Chi)
[Value of various microelements in the course of Trichinella spiralis infection in mice] Karmańska K, et al. **Wiad Parazytol** 1985;31(3):309–16 (Eng. Abstr.) (Pol)

ENZYMOLOGY

[Monoamine oxidase (MAO) activity in the blood and homogenates of the spleen, mesenteric lymph node and small intestine of mice with experimental Trichinella spiralis infection] Fal W, et al. **Wiad Parazytol** 1985; 31(3):261–9 (Eng. Abstr.) (Pol)
[Monoamine oxidase (MAO) activity in the blood, spleen, mesenteric lymph node and small intestine of mice with Trichinella pseudospiralis infection] Fal W, et al. **Wiad Parazytol** 1985;31(3):271–7 (Eng. Abstr.) (Pol)

ETIOLOGY

Trichinosis from wild boar meat in Ethiopia: a case report. Perdomo González G, et al. **Ethiop Med J** 1986 Apr; 24(2):93–6
Leads from the MMWR. Trichinosis—Maine, Alaska. **JAMA** 1986 Feb 21;255(7):877, 881
Trichinosis—Maine, Alaska. **MMWR** 1986 Jan 24;35(3):33–5
[Epidemic focus of trichinosis in the Koszalin province] Stefańska J, et al. **Przegl Epidemiol** 1985;39(2):252–7 (Eng. Abstr.) (Pol)

FAMILIAL & GENETIC

[Trichinosis in Provence. Apropos of a familial epidemic] Igual JP, et al. **Bull Soc Pathol Exot Filiales** 1985; 78(4):473–7 (Eng. Abstr.) (Fre)
[Familial focus of trichinelliasis] Loghin L, et al. **Rev Med Chir Soc Med Nat Iasi** 1985 Jan–Mar;89(1):42 (Rum)

HISTORY

[150th anniversary of the discovery of the parasite Trichinella spiralis. Aspects in the evolution of our knowledge of T. spiralis and trichinelliasis] Cironeanu I. **Rev Ig [Bacteriol]** 1985 Apr–Jun;30(2):185–91 (Rum)

IMMUNOLOGY

In vitro cellular immune response in mice and rabbits immunized with Trichinella spiralis antigen. Palmas C, et al. **Boll Ist Sieroter Milan** 1985;64(3):216–21
L3T4-positive T lymphoblasts are responsible for transfer of immunity to Trichinella spiralis in mice. Grencis RK, et al. **Immunology** 1985 Oct;56(2):213–8
Eosinophil adherence to infective larvae of Trichinella spiralis: quantification and modulation. Pincus SH, et al. **Immunology** 1985 Oct;56(2):219–25
Antigen-specific T-cell lines transfer protective immunity against Trichinella spiralis in vivo. Riedlinger J, et al. **Immunology** 1986 May;58(1):57–61
Genetic control of immunity to Trichinella spiralis in mice: capacity of cells from slow responder mice to transfer immunity in syngeneic and F1 hybrid recipients. Wakelin D, et al. **Immunology** 1985 Oct;56(2):203–11
Correlation of murine susceptibility to tumor, parasite and bacterial challenge with altered cell-mediated immunity following systemic exposure to the tumor promoter phorbol myristate acetate. Murray MJ, et al. **Int J Immunopharmacol** 1985;7(4):491–500
Comparison of immune effects in mice immunized with Trichinella spiralis adult and larval antigens. Gamble HR. **J Parasitol** 1985 Oct;71(5):680–2
Immunoglobulin class specific responses to biochemically defined antigens of Trichinella spiralis. Almond NM, et al. **Parasite Immunol** 1986 Jul;8(4):391–406
Genetic control of immunity to Trichinella spiralis in mice. Response of rapid- and slow-responder strains to immunization with parasite antigens. Wakelin D, et al. **Parasite Immunol** 1986 Mar;8(2):159–70
Inhibition of passive systemic anaphylaxis in guinea pigs by Trichinella spiralis infection. Hodgin EC. **Vet Immunol Immunopathol** 1986 Jan;11(1):83–90
[Immunosuppressive effect of parasitic infection on the immune system of the host: suppression of the graft vs host reaction in experimental trichinosis in mice] Bany J. **Wiad Parazytol** 1985;31(4–6):549–50 (Pol)
[Genetically determined immunity against intestinal nematodes: intestinal phase of Trichinella pseudospiralis infection in inbred NIH mice] Cabaj W. **Wiad Parazytol** 1985;31(4–6):551–3 (Pol)
[Local humoral response in gastrointestinal nematode infection] Siński E. **Wiad Parazytol** 1985;31(4–6):537–9 (Pol)
[Immunologic modifications in patients with trichinosis] Dragomirescu M, et al. **Rev Ig [Bacteriol]** 1986 Apr–Jun; 31(2):123–8 (Eng. Abstr.) (Rum)
[Circulating immune complexes in the blood serum in experimental trichinelliasis in guinea pigs] Raisov TK, et al. **Med Parazitol (Mosk)** 1986 May–Jun;(3):57–8 (Eng. Abstr.) (Rus)
[Dynamics of the immune response indices in experimental trichinelliasis in guinea pigs] Raisov TK, et al. **Med Parazitol (Mosk)** 1985 Sep–Oct;(5):58–61 (Eng. Abstr.) (Rus)
[Indices of the cellular and humoral protection factors in trichinelliasis] Vasil'ev VS, et al. **Med Parazitol (Mosk)** 1985 Sep–Oct;(5):34–o (Eng. Abstr.) (Rus)

METABOLISM

Mast cells in the regulation of intestinal electrolyte transport. Russell DA. **Am J Physiol** 1986 Aug;251(2 Pt 1):G253–62
[Effect of Trichinella pseudospiralis and T. spiralis infection on intestinal absorption in rats] Stpiczyńska R, et al. **Wiad Parazytol** 1985;31(4–6):575–6 (Pol)

OCCURRENCE

Trichinosis in Southeast Asian refugees in the United States. Stehr-Green JK, et al. **Am J Public Health** 1986 Oct; 76(10):1238–9
Trichinosis in Thailand during 1962–1983. Dissamarn R, et al. **Int J Zoonoses** 1985 Dec;12(4):257–66
Leads from the MMWR. Horsemeat-associated trichinosis—France. **JAMA** 1986 Jul 11;256(2):177, 180
Horsemeat-associated trichinosis—France. **MMWR** 1986 May 9;35(18):291–2, 297–8
[Trichinosis—1984] Adonajlo A. **Przegl Epidemiol** 1986; 40(1):124–7 (Eng. Abstr.) (Pol)
[Trichinosis—1983] Adonajlo A. **Przegl Epidemiol** 1985; 39(1):177–9 (Eng. Abstr.) (Pol)
[Group trichinelliasis infestation] Gul'ko VG. **Med Parazitol (Mosk)** 1986 Mar–Apr;(2):80–1 (Rus)
[Outbreak of trichinelliasis in Tuapse and the socioeconomic loss it caused] Tverdokhlebova TI, et al. **Med Parazitol (Mosk)** 1985 Sep–Oct;(5):61–4 (Eng. Abstr.) (Rus)
[Outbreak of trichinosis occurring in a government office. Federal District, Mexico, 1985] Sartí Gutiérrez EJ, et al. **Salud Publica Mex** 1986 Jan–Feb;28(1):41–7 (Eng. Abstr.) (Spa)

PARASITOLOGY

Trichinella spiralis: newborn larval migration route in rats reexamined. Wang CH, et al. **Exp Parasitol** 1986 Feb; 61(1):76–85
Effects of low temperatures on larvae of the genus Trichinella. Hulínská D, et al. **Folia Parasitol (Praha)** 1985; 32(3):211–6
Prolonged expulsion of adult Trichinella spiralis and eosinophil infiltration in mast cell-deficient W/Wv mice. Kamiya M, et al. **J Helminthol** 1985 Sep;59(3):233–9
The role of muscle larvae of Trichinella spiralis in the behavioral alterations of the mouse host. Zohar AS, et al. **J Parasitol** 1986 Jun;72(3):464–6
[Trichinella spiralis: evidence of pulmonary retention of the newborn larvae] Bruschi F, et al. **Ann Ist Super Sanita** 1986;22(1):453–5 (Eng. Abstr.) (Ita)
[Experimental infection of swine with an Italian strain of Trichinella sp. and resistance of the larvae in various delicatessen products] Pozio E, et al. **Ann Ist Super Sanita** 1986;22(1):461–3 (Ita)
[Microcirculation systems forming in skeletal muscles around the larva of trichina (Trichinella spiralis Garcavi, 1972, Trichinella spiralis Owen, 1835)] Berezantsev IuA, et al. **Dokl Akad Nauk SSSR** 1986;287(5):1278–80 (Rus)
[Problems of trichinelliasis] Lefkina ES. **Med Parazitol (Mosk)** 1986 Mar–Apr;(2):66–70 (28 ref.) (Eng. Abstr.) (Rus)

PATHOLOGY

Cell injury caused by Trichinella spiralis in the mucosal epithelium of B10A mice. Dunn IJ, et al. **J Parasitol** 1985 Dec;71(6):757–66
[Analysis of morphological changes in fatal cases of trichinosis] Kurasz S, et al. **Patol Pol** 1985 Jan–Mar; 36(1):112–8 (Eng. Abstr.) (Pol)
[Basophilic transformation of the muscle cells of mice during infection with Trichinella spiralis larvae. I. Intramuscular (synchronous) infection with larvae of various developmental stages] Gabryel P, et al. **Wiad Parazytol** 1985;31(3):289–97 (Eng. Abstr.) (Pol)

PHYSIOPATHOLOGY

The effects of Trichinella spiralis infection of pregnant mice on the future behavior of their offspring. Rau ME. **J Parasitol** 1985 Dec;71(6):774–8
A freeze-fracture study of the body wall of adult, in utero larvae and infective-stage larvae of Trichinella (Nematoda). Lee DL, et al. **Tissue Cell** 1986;18(2):219–30
[Characteristics of the exocrine pancreas in trichinelliasis in relation to the severity of the infestation] Bekish OIa, et al. **Med Parazitol (Mosk)** 1985 Sep–Oct;(5):54–7 (Eng. Abstr.) (Rus)

PREVENTION & CONTROL

Trichinella inspection in the People's Republic of China. Lee ZD. **Wiad Parazytol** 1985;31(3):343–7
[Achievements in controlling trichinelliasis in the Ukrainian SSR and the practical public health tasks for its prevention among the population] Bulgakov VA, et al. **Med Parazitol (Mosk)** 1986 Jan–Feb;(1):63–5 (Eng. Abstr.) (Rus)

THERAPY

[Role of mast cells in mice with trichinosis. Effect of the serum prepared against peritoneal mastocytes and the serum against granules of intestinal mastocytes] Karmańska K, et al. **Wiad Parazytol** 1985;31(3):299–308 (Eng. Abstr.) (Pol)

VETERINARY

Field evaluation of the enzyme-linked immunosorbent assay for swine trichinosis: efficacy of the excretory-secretory antigen. Murrell KD, et al. **Am J Vet Res** 1986 May; 47(5):1046–9
Swine trichinosis in New England slaughterhouses. Schad GA, et al. **Am J Vet Res** 1985 Sep;46(9):2008–10
Preparation and standardization of antigens useful in the diagnosis of swine trichinellosis. Despommier DD. **Dev Biol Stand** 1985;62:53–6
Trichinosis in a herd of swine: cannibalism as a major mode of transmission. Hanbury RD, et al. **J Am Vet Med Assoc** 1986 May 15;188(10):1155–9
Trichinosis. Kazacos KR. **J Am Vet Med Assoc** 1986 Jun 1;188(11):1272–5
Sylvatic trichinosis in Ontario, Canada. Dick TA, et al. **J Wildl Dis** 1986 Jan;22(1):42–7
Trichinosis in mountain lions in Arizona. LeCount AL, et al. **J Wildl Dis** 1986 Jul;22(3):432–4
Trichinella spiralis in the black bear (Ursus americanus) of Pennsylvania: distribution, prevalence and intensity of infection. Schad GA, et al. **J Wildl Dis** 1986 Jan;22(1):36–41
Infectivity in rodents and cold resistance of Trichinella spiralis isolated from pig and polar bear, and T. pseudospiralis. Ooi HK, et al. **Jpn J Vet Res** 1986 Apr; 34(2):105–10
Trichinella spiralis in wild animals, cats, mice, rats and farmed fur animals in Finland. Hirvelä-Koski V, et al. **Nord Vet Med** 1985 Jul–Aug;37(4):234–42
A tongue biopsy technique for the detection of trichinosis in swine. Kazacos KR, et al. **Vet Parasitol** 1986 Jan; 19(1–2):151–6
Relationship between blood iron parameters and trichinellosis in swine. Theodoropoulos G, et al. **Vet Parasitol** 1986 Jan; 19(1–2):121–6
Trichinella pseudospiralis infection in Gallus domesticus. I. Intestinal and muscles phases. Wawrzyniak U, et al. **Wiad Parazytol** 1985;31(3):317–24
Trichinella pseudospiralis infection in Gallus domesticus. II. Influence on host body weight, haematological and immunological parameters. Wawrzyniak U, et al. **Wiad Parazytol** 1985;31(3):325–31
[Veterinary Chief Inspection of Public Health. The prevalence of Trichinella spiralis in horses] **Tijdschr Diergeneeskd** 1986 Mar 15;111(6):303–4 (Dut)
[Trichinella spiralis as a teacher or the parasite-host relationship between a threadworm and an institute] Ruitenberg EJ, et al. **Tijdschr Diergeneeskd** 1986 Mar 15; 111(6):275–81 (Eng. Abstr.) (Dut)

TRICHLORBUTANOL see **CHLOROBUTANOL**

TRICHLORFON

ADMINISTRATION & DOSAGE

[Biochemical changes in the myocardium in chronic exposure to ethylmercury chloride and trichlorfon] Blakita IV. **Gig Tr Prof Zabol** 1986 May;(5):46–7 **(Rus)**

ANALYSIS

Analysis of pharmaceutical dosage forms for oxfendazole: II. Simultaneous liquid chromatographic determination of oxfendazole and trichlorfon in equine paste. Fleitman J, et al. **J Assoc Off Anal Chem** 1986 Jan–Feb;69(1):24–8

METABOLISM

Distribution and placental transfer of trichlorfon in guinea pigs. Berge GN, et al. **Arch Toxicol** 1986 May;59(1):26–9

POISONING

Delayed neuropathy after trichlorfon intoxication [letter] Cuk V, et al. **J Neurol Neurosurg Psychiatry** 1986 Feb; 49(2):222

[Comparative pathomorphological research on the effect of parathion, trichlorfon and chlorfenvinphos in an experimental infection in rats caused by Erysipelothrix rhusiopathiae] Georgiev D, et al. **Acta Microbiol Bulg** 1985; 17:72–8 (Eng. Abstr.) **(Bul)**

THERAPEUTIC USE

The effect of metrifonate in mixed Schistosoma haematobium and Schistosoma mansoni infections in humans. Doehring E, et al. **Am J Trop Med Hyg** 1986 Mar;35(2):323–9

The effectiveness of metrifonate in reducing hookworm infection in Kenyan school children. Kurz KM, et al. **Am J Trop Med Hyg** 1986 May;35(3):571–4

Relationships of Schistosoma haematobium, hookworm and malarial infections and metrifonate treatment to growth of Kenyan school children. Stephenson LS, et al. **Am J Trop Med Hyg** 1985 Nov;34(6):1109–18

Critical test and safety evaluations of an oral paste preparation of mebendazole and trichlorfon in horses. Seibert BP, et al. **Am J Vet Res** 1986 Jun;47(6):1347–50

Cost and effectiveness of different approaches to schistosomiasis control in Africa. Korte R, et al. **Trop Med Parasitol** 1986 Jun;37(2):149–52

TOXICITY

Prenatal effects of trichlorfon on the guinea pig brain. Berge GN, et al. **Arch Toxicol** 1986 May;59(1):30–5

Toxicity of dipterex: a field study. Hu XH, et al. **Br J Ind Med** 1986 Jun;43(6):414–9

Peripheral blood changes of the Japanese quail Coturnix coturnix japonica following repeated small doses of trichlorfon. Gromysz-Kalkowska K, et al. **Bull Environ Contam Toxicol** 1985 Dec;35(6):757–66

Assessment of teratogenic potential of trichlorfon in mice and rats. Courtney KD, et al. **J Environ Sci Health [B]** 1986 Jun;21(3):207–27

[Changes in the number and qualitative characteristics of lymphocytes in chronic radiation and chemical lesions in the rat] Ivanov VV. **Gig Sanit** 1986 Mar;(3):37–40 (Eng. Abstr.) **(Rus)**

[Characteristics of the effect of chlorophos on the body of warm-blooded animals] Prisiazhniuk TN, et al. **Gig Sanit** 1986 Jun;(6):65–7 **(Rus)**

TRICHLORMETHIAZIDE

THERAPEUTIC USE

[Esmalorid in ambulatory patients with mild to medium severe hypertension. Results of a dosage-titration study] Bergbauer M. **Fortschr Med** 1985 Sep 19;103(35):838–42 (Eng. Abstr.) **(Ger)**

TRICHLOROACETIC ACID

Hydroxyproline concentration in soluble and insoluble material from serum treated with trichloroacetic acid in postpartum mice. Shimizu K, et al. **Experientia** 1986 Jul 15;42(7):819–20

BLOOD

Metabolites of chlorinated solvents in blood and urine of subjects exposed at environmental level. Ziglio G, et al. **Sci Total Environ** 1985 Dec;47:473–7

METABOLISM

Trichloroacetic acid accumulates in murine amniotic fluid after tri- and tetrachloroethylene inhalation. Ghantous H, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Feb; 58(2):105–14

Biliary excretion of trichloroethylene and its metabolites in dogs. Hobara T, et al. **Toxicol Lett** 1986 Jul–Aug; 32(1–2):119–22

URINE

Determination of trichloroacetic acid in urine. Pekari K, et al. **IARC Sci Publ** 1985;(68):467–72

[Determining trichloroacetic acid in the urine by the gas chromatography method] Kostrzewski P. **Med Pr** 1986; 37(1):53–8 (Eng. Abstr.) **(Pol)**

TRICHLOROEPOXYPROPANE see under **HYDROCARBONS, CHLORINATED**

TRICHLOROETHANES see under **HYDROCARBONS, CHLORINATED**

TRICHLOROETHYLENE

Halothane and trichloroethylene. Two agents in a single vaporizer. Hollis N. **Anaesthesia** 1986 Mar;41(3):309–15

Trichloroethylene [letter] Reynolds F. **Anaesthesia** 1984 Sep; 39(9):932

ADVERSE EFFECTS

[A case of pneumatosis cystoides coli with a history of occupational exposure to trichloroethylene] Arai H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Jul;82(7):1786–90 **(Jpn)**

[Clinical and epidemiological studies on pneumatosis cystoides coli with special reference to the correlation between the disease and the use of trichloroethylene] Yamaguchi K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Jul;82(7):1710–6 (Eng. Abstr.) **(Jpn)**

ANALYSIS

The determination of trichloroethylene and tetrachloroethylene in air. Peers AM. **IARC Sci Publ** 1985; (68):205–11

Gas chromatographic determination of chloroform, carbon tetrachloride, ethylene dibromide and trichloroethylene in cereal grains after distillation. Scudamore KA. **IARC Sci Publ** 1985;(68):361–7

Gas chromatographic determination of chloroform, carbon tetrachloride, trichloroethylene and ethylene dibromide in cereal grains after direct extraction. Scudamore KA. **IARC Sci Publ** 1985;(68):369–73

[Determining trichloroacetic acid in the urine by the gas chromatography method] Kostrzewski P. **Med Pr** 1986; 37(1):53–8 (Eng. Abstr.) **(Pol)**

BLOOD

Oral and intravenous trichloroethylene pharmacokinetics in the rat. D'Souza RW, et al. **J Toxicol Environ Health** 1985; 15(5):587–601

METABOLISM

Biodegradation of chlorinated ethenes by a methane-utilizing mixed culture. Fogel MM, et al. **Appl Environ Microbiol** 1986 Apr;51(4):720–4

Identification of S-1,2-dichlorovinyl-N-acetyl-cysteine as a urinary metabolite of trichloroethylene: a possible explanation for its nephrocarcinogenicity in male rats. Dekant W, et al. **Biochem Pharmacol** 1986 Aug 1; 35(15):2455–8

Dose-dependent metabolism of trichloroethylene and its relevance to hepatotoxicity in rats. Rouisse L, et al. **Environ Res** 1986 Aug;40(2):450–8

Biliary excretion of trichloroethylene and its metabolites in dogs. Hobara T, et al. **Toxicol Lett** 1986 Jul–Aug; 32(1–2):119–22

Absorption, elimination and metabolism of trichloroethylene: a quantitative comparison between rats and mice. Dekant W, et al. **Xenobiotica** 1986 Feb;16(2):143–52

PHARMACODYNAMICS

Effects of trichloroethylene on the human vestibulo-oculomotor system. Larsby B, et al. **Acta Otolaryngol (Stockh)** 1986 Mar–Apr;101(3–4):193–9

Trichloroacetic acid accumulates in murine amniotic fluid after tri- and tetrachloroethylene inhalation. Ghantous H, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Feb; 58(2):105–14

The c-wave of the electroretinogram and the standing potential of the eye as highly sensitive measures of effects of low doses of trichloroethylene, methylchloroform, and halothane. Jarkman S, et al. **Doc Ophthalmol** 1985 Oct 15; 60(4):375–82

Chronic effects of perchloroethylene and trichloroethylene on the gerbil brain amino acids and glutathione. Briving C, et al. **Neurotoxicology** 1986 Spring;7(1):101–8

Comment on the interpretation of effects caused by chronic trichloroethylene exposure [letter] Kjellstrand P. **Scand J Work Environ Health** 1986 Apr;12(2):154–5

POISONING

Long-term follow-up after single toxic exposure to trichloroethylene. Feldman RG, et al. **Am J Ind Med** 1985; 8(2):119–26

Treatment of acute "triline" poisoning by plasmapheresis and hemoperfusion [letter] Sasdelli M, et al. **Int J Artif Organs** 1986 May;9(3):195–6

State-dependent learning during chronic trichloroethylene exposure [letter] Gade A, et al. **Scand J Work Environ Health** 1985 Dec;11(6):495–7

[Pneumatosis cystoides intestinalis in the colon which seemed to be caused by chronic exposure to trichloroethylene—a case report] Kurihara Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Jun;82(6):1580–4 (Eng. Abstr.) **(Jpn)**

[Occupational trichloroethylene exposure causes pneumatosis cystoides intestinalis?] Sato A, et al. **Sangyo Igaku** 1986 Jan;28(1):57–62 **(Jpn)**

TOXICITY

Species differences in carcinogenicity and peroxisome proliferation due to trichloroethylene: a biochemical human hazard assessment. Elcombe CR. **Arch Toxicol [Suppl]** 1985; 8:6–17

Serum enzymes in toxicity of trichloroethylene after subchronic ethanol pretreatment. Schilling E, et al. **Arch Toxicol [Suppl]** 1985;8:409–11

Toxicity assessment of tetrachloroethylene, trichloroethylene and 1,1,1-trichloroethane using human and monkey cells. Mochida K, et al. **Bull Environ Contam Toxicol** 1985 Nov; 35(5):593–5

Acetone potentiation of rat liver injury induced by trichloroethylene–carbon tetrachloride mixtures. Charbonneau M, et al. **Fundam Appl Toxicol** 1986 May; 6(4):654–61

Fatty acid composition of ethanolamine phosphoglycerides in different areas of the gerbil brain after chronic exposure to trichloroethylene. Kyrklund T, et al. **Neurochem Pathol** 1985 Fall;3(3):151–8

Effect of trichloroethylene on the exploratory and locomotor activity of rats exposed during development. Taylor DH, et al. **Sci Total Environ** 1985 Dec;47:415–20

Induction of single-strand breaks in DNA of mice by trichloroethylene and tetrachloroethylene. Walles SA. **Toxicol Lett** 1986 Apr;31(1):31–5

Effect of pretreatment with cimetidine or phenobarbital on lipoperoxidation in carbon tetrachloride- and trichloroethylene-dosed rats. Cluet JL, et al. **Toxicology** 1986 Jan;38(1):91–102

2,4,5-TRICHLOROPHENOXYACETIC ACID

ADVERSE EFFECTS

Storm in a cup of 2,4,5-T [editorial] Armstrong BK. **Med J Aust** 1986 Mar 17;144(6):284–5

ANALYSIS

Problems and results of trace analysis of 2,3,7,8-tetrachlorodibenzo-p-dioxin in 2,4,5-trichlorophenoxyacetic acid and its esters. Weeren RD, et al. **J Assoc Off Anal Chem** 1985 Sep–Oct; 68(5):917–21

CHEMICAL SYNTHESIS

Bioavailability of dioxin in soil from a 2,4,5-T manufacturing site. Umbreit TH, et al. **Science** 1986 Apr 25; 232(4749):497–9

METABOLISM

Interaction of 2,4-dichlorophenoxyacetate (2,4-D) and 2,4,5-trichlorophenoxyacetate (2,4,5-T) with the acyl-CoA: amino acid N-acyltransferase enzymes of bovine liver mitochondria. Kelley M, et al. **Biochem Pharmacol** 1986 Jan 15;35(2):289–95

PHARMACODYNAMICS

Effect of 2,4,5-trichlorophenoxy acetic acid (2,4,5-T) on the morphology of Klebsiella spp. from environmental and clinical sources. Wong SH, et al. **Bull Environ Contam Toxicol** 1985 Dec;35(6):739–44

Inhibition of human glutathione S-transferases by 2,4-dichlorophenoxyacetate (2,4-D) and 2,4,5-trichlorophenoxyacetate (2,4,5-T). Singh SV, et al. **Toxicol Appl Pharmacol** 1985 Nov;81(2):328–36

POISONING

Estimation of exposure to Agent Orange and other defoliants among American troops in Vietnam: a methodological approach. Stellman SD, et al. **Am J Ind Med** 1986; 9(4):305–21

Chronic progredient diffuse alveolar damage probably related to exposure to herbicides. Kayser K, et al. **Klin Wochenschr** 1986 Jan 2;64(1):44–8

TOXICITY

Evaluation of chromosomal damage in males exposed to agent orange and their families. Kaye CI, et al. **J Craniofac Genet Dev Biol [Suppl]** 1985;1:259–65

The Agent Orange controversy after the Evatt Royal Commission. Hall W. **Med J Aust** 1986 Sep 1;145(5):219–25

Agent Orange and risks to reproduction: the limits of epidemiology. Hatch MC, et al. **Teratogenesis Carcinog Mutagen** 1986;6(3):185–202

Developing rat brain monoamine levels following in utero exposure to a mixture of 2,4-dichlorophenoxyacetic and 2,4,5-trichlorophenoxyacetic acids. Mohammad FK, et al. **Toxicol Lett** 1985 Dec;29(2–3):215–23

[Toxicologo-hygienic evaluation of morphological changes in the liver of animals exposed to butyl esters of 2,4-D

and 2,4,5-T (2,4-DB, 2,4,5-TB) and their combinations] Konstantinova TK, et al. Gig Tr Prof Zabol 1986 Jul; (7):48–50 (Rus)

TRICHOBEZOARS see **BEZOARS**

TRICHOCEPHALIASIS see **TRICHURIASIS**

TRICHODERMA see under **HYPHOMYCETES**

TRICHODERMIN see under **SESQUITERPENES**

TRICHOMONAS

DRUG EFFECTS

Antitrichomonal activity of mesoionic thiazolo[3,2-a]pyridines. Walker KA, et al. J Med Chem 1985 Nov;28(11):1673–9

[Comparative in vitro study of the antimicrobial effectiveness of Novugen] Zwillenberg LO, et al. Schweiz Arch Tierheilkd 1986 Feb;128(2):99–102 (Eng. Abstr.) (Ger)

[Comparative analysis of the sensitivity of Trichomonas tenax (O.F. Müller, 1773) Dobell, 1939 to various nitroimidazoles] Kurnatowska A, et al. Wiad Parazytol 1985;31(2):169–74 (Eng. Abstr.) (Pol)

[Preliminary evaluation of the trichomonacidal effect of new derivatives of benzoisoxazolinone, benzoxazolinone and benzothiazolinone] Kurnatowska A, et al. Wiad Parazytol 1985;31(2):175–80 (Eng. Abstr.) (Pol)

IMMUNOLOGY

[Intraspecies antigenic differences between Trichomonas strains isolated from the human respiratory tract and oral cavity] Kazakova II, et al. Med Parazitol (Mosk) 1985 Jul-Aug;(4):34–8 (Eng. Abstr.) (Rus)

METABOLISM

Carbohydrate utilization by Trichomonas gallinae: effects on growth and metabolic activity under nongrowth conditions. Matthews HM. J Parasitol 1986 Feb; 72(1):170–4

PATHOGENICITY

[Possible pathogenic role of Trichomonas tenax in chronic periodontitis] Ferrara A, et al. Ann Ist Super Sanita 1986; 22(1):253–5 (Eng. Abstr.) (Ita)

PHYSIOLOGY

Further studies on the surface charge of various strains of Trichomonas vaginalis and Tritrichomonas foetus. Costa e Silva Filho F, et al. Cell Biophys 1986 Jun;8(3):161–76

TRICHOMONAS INFECTIONS

[Possible pathogenic role of Trichomonas tenax in chronic periodontitis] Ferrara A, et al. Ann Ist Super Sanita 1986; 22(1):253–5 (Eng. Abstr.) (Ita)

DRUG THERAPY

Antitrichomonal activity of mesoionic thiazolo[3,2-a]pyridines. Walker KA, et al. J Med Chem 1985 Nov;28(11):1673–9

IMMUNOLOGY

Monoclonal antibody to a major surface glycoprotein immunogen differentiates isolates and subpopulations of Trichomonas vaginalis. Alderete JF, et al. Infect Immun 1986 Apr;52(1):70–5

Immunogenic proteins of Trichomonas vaginalis as demonstrated by the immunoblot technique. Garber GE, et al. Infect Immun 1986 Jan;51(1):250–3

OCCURRENCE

[Oral protozooses found in 1984 at the Niguarda-Cà Grada Hospital, Milan] Grassi L Jr, et al. Ann Ist Super Sanita 1986;22(1):249–51 (Eng. Abstr.) (Ita)

PARASITOLOGY

Geographic variation among isolates of Trichomonas vaginalis: demonstration of antigenic heterogeneity by using monoclonal antibodies and the indirect immunofluorescence technique. Krieger JN, et al. J Infect Dis 1985 Nov;152(5):979–84

VETERINARY

Bovine trichomoniasis. Fitzgerald PR. Vet Clin North Am Food [Food Anim Pract] 1986 Jul; 2(2):277–82

Trichomoniasis, a major cause of vomiting in budgerigars. Baker JR. Vet Rec 1986 Apr 19;118(16):467–9

TRICHOMONAS VAGINALIS

ANALYSIS

[Heterogeneity of tubulins of parasitic protozoa] Cappuccinelli P, et al. Ann Ist Super Sanita 1986; 22(1):163–8 (Eng. Abstr.) (Ita)

DRUG EFFECTS

Inhibition of hydrogen production in drug-resistant and susceptible Trichomonas vaginalis strains by a range of nitroimidazole derivatives. Lloyd D, et al. Biochem Pharmacol 1986 Jan 1;35(1):61–4

Persistent Trichomonas vaginalis infection due to a metronidazole-resistant strain. Krajden S, et al. Can Med Assoc J 1986 Jun 15;134(12):1373–4

In vitro drug susceptibility and doses of metronidazole required for cure in cases of refractory vaginal trichomoniasis. Lossick JG, et al. J Infect Dis 1986 May; 153(5):948–55

Inhibition of Trichomonas vaginalis replication by the microtubule stabilizer taxol. Juliano C, et al. J Protozool 1986 May;33(2):255–60

Drug resistance in Trichomonas vaginalis [letter] de Carneri I, et al. Lancet 1971 Dec 11;2(7737):1320–1

[Ultrastructural study of the in vitro mode of action of p-chlorophenyl bis-(2-hydroxynaphthyl)methane on Trichomonas vaginalis] Lacroix R, et al. Ann Pharm Fr 1985;43(5):479–89 (Eng. Abstr.) (Fre)

ENZYMOLOGY

Aspartate: 2-oxoglutarate aminotransferase from trichomonas vaginalis. Identity of aspartate aminotransferase and aromatic amino acid aminotransferase. Lowe PN, et al. Biochem J 1985 Dec 15;232(3):689–95

S-Adenosylhomocysteine hydrolase activity in Trichomonas vaginalis and other trichomonads. Thong KW, et al. Mol Biochem Parasitol 1985 Oct;17(1):35–44

GROWTH & DEVELOPMENT

Growth and cytopathogenicity of Trichomonas vaginalis in tissue cultures. Pindak FF, et al. J Clin Microbiol 1986 Apr;23(4):672–8

Vitamin B12 requirement for the growth of Trichomonas vaginalis in vitro. Hollander DH, et al. J Parasitol 1985 Oct;71(5):683–4

[Effect of some steroid hormones on the growth of Trichomonas vaginalis] Martinotti MG, et al. G Batteriol Virol Immunol 1985 Jan-Jun;78(1–6):52–9 (Eng. Abstr.) (Ita)

[Analysis of growth curves of Trichomonas vaginalis in the presence of Staphylococcus aureus and Escherichia coli] Horwatt E. Wiad Parazytol 1985;31(2):113–23 (Eng. Abstr.) (Pol)

IMMUNOLOGY

Monoclonal antibodies against Trichomonas vaginalis. Chang TH, et al. Hybridoma 1986 Spring;5(1):43–51

Monoclonal antibody to a major surface glycoprotein immunogen differentiates isolates and subpopulations of Trichomonas vaginalis. Alderete JF, et al. Infect Immun 1986 Apr;52(1):70–5

Phenotypic variation and diversity among Trichomonas vaginalis isolates and correlation of phenotype with trichomonal virulence determinants. Alderete JF, et al. Infect Immun 1986 Aug;53(2):285–93

Monoclonal antibody to a major glycoprotein immunogen mediates differential complement-independent lysis of Trichomonas vaginalis. Alderete JF, et al. Infect Immun 1986 Sep;53(3):697–9

Immunogenic proteins of Trichomonas vaginalis as demonstrated by the immunoblot technique. Garber GE, et al. Infect Immun 1986 Jan;51(1):250–3

Geographic variation among isolates of Trichomonas vaginalis: demonstration of antigenic heterogeneity by using monoclonal antibodies and the indirect immunofluorescence technique. Krieger JN, et al. J Infect Dis 1985 Nov;152(5):979–84

ISOLATION & PURIFICATION

Trichomonas vaginalis in the prostate gland. Gardner WA Jr, et al. Arch Pathol Lab Med 1986 May;110(5):430–2

Trichomonas vaginalis: electrophoretic analysis and heterogeneity among isolates due to high-molecular-weight trichomonad proteins. Alderete JF, et al. Exp Parasitol 1986 Apr;61(2):244–51

Incubation time, second blind passage, and cost considerations in the isolation of Trichomonas vaginalis. Smith RF. J Clin Microbiol 1986 Jul;24(1):139–40

Isolation of Trichomonas vaginalis: a simple diagnostic medium for use in developing countries. Adebayo JA. Med Lab Sci 1986 Jan;43(1):91–2

[Vulvovaginitis. Etiopathogenesis and microbiological diagnosis] Fiorucci GC, et al. Minerva Ginecol 1986 Jan-Feb;38(1–2):31–41 (Eng. Abstr.) (Ita)

[Methods of obtaining a pure culture of Trichomonas vaginalis] Bednova VN, et al. Vestn Dermatol Venerol 1985 Dec;(12):22–5 (Eng. Abstr.) (Rus)

METABOLISM

Ferredoxin-dependent reduction of nitroimidazole derivatives in drug-resistant and susceptible strains of Trichomonas vaginalis. Yarlett N, et al. Biochem Pharmacol 1986 May 15;35(10):1703–8

Respiration of Trichomonas vaginalis. Components detected by electron paramagnetic resonance spectroscopy. Chapman A, et al. Eur J Biochem 1986 Apr 1;156(1):193–8

Adherence of Trichomonas vaginalis to cell culture monolayers. Martinotti MG, et al. Eur J Clin Microbiol 1986 Jun;5(3):320–3

13C-NMR reveals glycerol as an unexpected major metabolite of the protozoan parasite Trichomonas vaginalis. Chapman A, et al. FEBS Lett 1985 Oct 28;191(2):287–92

The generation of metronidazole radicals in hydrogenosomes isolated from Trichomonas vaginalis. Chapman A, et al. J Gen Microbiol 1985 Sep;131 (Pt 9):2141–4

Polyamine biosynthesis in trichomonads. North MJ, et al. Mol Biochem Parasitol 1986 Jun;19(3):241–9

Glycerol, a metabolic end product of Trichomonas vaginalis and Tritrichomonas foetus. Steinbüchel A, et al. Mol Biochem Parasitol 1986 Jul;20(1):45–55

Anaerobic pyruvate metabolism of Tritrichomonas foetus and Trichomonas vaginalis hydrogenosomes. Steinbüchel A, et al. Mol Biochem Parasitol 1986 Jul;20(1):57–65

Metronidazole-resistant clinical isolates of Trichomonas vaginalis have lowered oxygen affinities. Yarlett N, et al. Mol Biochem Parasitol 1986 May;19(2):111–6

A new metabolic labelling medium for Trichomonas vaginalis and Tritrichomonas foetus using 35S methionine. Torian BE, et al. Proc Soc Exp Biol Med 1986 Apr;181(4):620–3

PATHOGENICITY

Morphological studies of the cytotoxicity of Trichomonas vaginalis to normal human vaginal epithelial cells in vitro. Rasmussen SE, et al. Genitourin Med 1986 Aug;62(4):240–6

Contact-dependent cytopathogenic mechanisms of Trichomonas vaginalis. Krieger JN, et al. Infect Immun 1985 Dec;50(3):778–86

PHYSIOLOGY

Further studies on the surface charge of various strains of Trichomonas vaginalis and Tritrichomonas foetus. Costa e Silva Filho F, et al. Cell Biophys 1986 Jun;8(3):161–76

Specific nature of Trichomonas vaginalis parasitism of host cell surfaces. Alderete JF, et al. Infect Immun 1985 Dec; 50(3):701–8

ULTRASTRUCTURE

Energy-dispersive X-ray microanalysis of membrane-associated inclusions in hydrogenosomes isolated from Trichomonas vaginalis. Chapman A, et al. J Gen Microbiol 1985 Nov;131 (Pt 11):2933–9

An immunofluorescent study of the microtubule organization in Trichomonas vaginalis using antitubulin antibodies. Juliano C, et al. J Protozool 1986 Feb;33(1):56–9

TRICHOMONAS VAGINITIS

COMPLICATIONS

[Mixed Trichomonas and Mycoplasma infections in women] Delectorskii VV, et al. Vestn Dermatol Venerol 1985 Aug; (8):28–32 (Eng. Abstr.) (Rus)

DIAGNOSIS

Comparison of acridine orange and Papanicolaou stains in the diagnosis of Trichomonas infection. Mithilesh C, et al. Indian J Pathol Microbiol 1985 Jul;28(3):219–23

[Trichomoniasis] Petersen EE. Gynakologe 1985 Sep; 18(3):136–7 (Ger)

DRUG THERAPY

Implications of metronidazole pharmacodynamics for therapy of trichomoniasis. Larsen B, et al. Gynecol Obstet Invest 1986;21(1):12–8

Comparison of two different metronidazole regimens in the treatment of Gardnerella vaginalis infection with or without trichomoniasis. Mohanty KC, et al. J Antimicrob Chemother 1985 Dec;16(6):799–803

In vitro drug susceptibility and doses of metronidazole required for cure in cases of refractory vaginal trichomoniasis. Lossick JG, et al. J Infect Dis 1986 May; 153(5):948–55

Tioconazole 2% cream in the treatment of Trichomonas vaginalis or mixed vaginal infections. Donadio C. J Int Med Res 1986;14(1):50–2

[Effectiveness of 400 mg miconazole pellets in various types of vaginitis] Blanc B. Rev Fr Gynecol Obstet 1985 Jan; 80(1):61–3 (Fre)

[Mixed infections of the urogenital tract with Trichomonas vaginalis and yeast-like fungi in humans with reference to treatment] Szarmach H, et al. Z Hautkr 1986 Feb 1; 61(3):146–9 (Eng. Abstr.) (Ger)

ETIOLOGY

[Occurrence of Trichomonas vaginalis infection in patients with neoplasms of the female genitalia] Kazanowska W, et al. Wiad Parazytol 1985;31(4–6):567–70 (Pol)

IMMUNOLOGY

Immunotherapeutic effect of the lactobacillus vaccine, Solco Trichovac, in trichomoniasis is not mediated by antibodies cross reacting with Trichomonas vaginalis. Gombošová A, et al. Genitourin Med 1986 Apr;62(2):107–10

[Specific antibodies in women treated for Trichomonas vaginitis] Zemburowa K, et al. **Wiad Parazytol** 1985; 31(2):125–37 (Eng. Abstr.) **(Pol)**

OCCURRENCE

Vaginal trichomoniasis in Sharkyia Governorate. el-Saeid AM, et al. **J Egypt Soc Parasitol** 1986 Jun;16(1):231–4

Vaginal trichomoniasis at a sexually transmitted disease clinic at Khartoum. Omer EF, et al. **Trop Doct** 1985 Oct; 15(4):170–2

PARASITOLOGY

Persistent Trichomonas vaginalis infection due to a metronidazole-resistant strain. Krajden S, et al. **Can Med Assoc J** 1986 Jun 15;134(12):1373–4

Incubation time, second blind passage, and cost considerations in the isolation of Trichomonas vaginalis. Smith RF. **J Clin Microbiol** 1986 Jul;24(1):139–40

Geographic variation among isolates of Trichomonas vaginalis: demonstration of antigenic heterogeneity by using monoclonal antibodies and the indirect immunofluorescence technique. Krieger JN, et al. **J Infect Dis** 1985 Nov;152(5):979–84

PATHOLOGY

Microscopic evaluation of vaginitis from a menstrual tampon. Anderson JL, et al. **J Am Coll Health** 1985 Dec;34(3):123–6

PHYSIOPATHOLOGY

Effects of Trichomonas vaginalis on the pH and glycogen content of the vagina. Omer EF, et al. **Ethiop Med J** 1985 Oct;23(4):173–7

PREVENTION & CONTROL

[Prevention of trichomonas vaginitis in women hospitalized for various dermatoses] Laścucki J, et al. **Przegl Dermatol** 1985 Mar–Apr;72(2):212–3 **(Pol)**

RADIOGRAPHY

Computed tomography of vaginitis emphysematosa. Jaramillo D, et al. **J Comput Assist Tomogr** 1986 May–Jun; 10(3):521–3

THERAPY

[SolcoTrichovac—a new trend in the immunotherapy of urogenital trichomoniasis?] Demeš P, et al. **Cesk Gynekol** 1985 Aug;50(7):505–9 **(Slo)**

TRICHOPHYTIN see under **ANTIGENS, FUNGAL**

TRICHOPHYTON

CLASSIFICATION

Variability of biochemical characteristics in strains of Trichophyton mentagrophytes. Calvo MA, et al. **Mycopathologia** 1986 Mar;93(3):137–9

[An atypical strain of Trichophyton mentagrophytes isolated from the skin] Ulfig K, et al. **Med Dosw Mikrobiol** 1986; 38(2):98–100 (Eng. Abstr.) **(Pol)**

CYTOLOGY

Attempts of inducing dimorphism in Trichophyton rubrum. Weigl E, et al. **Acta Univ Palacki Olomuc Fac Med** 1984; 107:31–42

DRUG EFFECTS

Occurrence of griseofulvin-resistant mutants of trichophyton mentagrophytes. Petřek M, et al. **Acta Univ Palacki Olomuc Fac Med** 1986;113:53–60

Effect of miconazole and clotrimazole on K+ release and inhibition of ergosterol biosynthesis in Trichophyton mentagrophytes and related ultrastructural observations. Scott EM, et al. **J Antimicrob Chemother** 1986 Apr; 17(4):423–32

The mode of antifungal action of tolnaftate. Barrett-Bee KJ, et al. **J Med Vet Mycol** 1986 Apr;24(2):155–60

Study on the evaluation of the use of thiabendazole in the treatment and control of bovine dermatophytosis. Gabal MA. **Mycopathologia** 1986 Mar;93(3):163–8

Application of a two layer method of cultivation to determine the susceptibility of Trichophyton verrucosum by a standard plate diffusion test. Wawrzkiewicz K, et al. **Mykosen** 1985 Nov;28(11):574–8

[A 2-layer method of culturing Trichophyton verrucosum in determining its sensitivity to antifungal agents] Wawrzkiewicz K, et al. **Pol Tyg Lek** 1986 Jan 21;41(3):70–3 (Eng. Abstr.) **(Pol)**

ENZYMOLOGY

Purification and characterization of major extracellular proteinases from Trichophyton rubrum. Asahi M, et al. **Biochem J** 1985 Nov 15;232(1):139–44

Brief communication: extracellular enzymatic activities of dermatophytes. Calvo MA, et al. **Mycopathologia** 1985 Oct; 92(1):19–22

GROWTH & DEVELOPMENT

Progesterone binding and inhibition of growth in Trichophyton mentagrophytes. Schär G, et al. **Infect Immun** 1986 Jun;52(3):763–7

IMMUNOLOGY

Trichophyton rubrum specific IgE in serum in patients with chronic T. rubrum infection as demonstrated by crossed radio-immuno-electrophoresis. Svejgaard E, et al. **Acta Derm Venereol [Suppl] (Stockh)** 1985;120:72–5

Trichophyton allergy in a 24-year-old man with "intrinsic" asthma. Platts-Mills TA, et al. **Ann Allergy** 1986 Jun; 56(6):454–5, 470–1

Intracellular killing of Trichophyton mentagrophytes microconidia by normal human polymorphonuclear leukocytes. Hauck H, et al. **Arch Dermatol Res** 1985; 278(1):77–8

Immunologic properties of a fraction of Trichophyton rubrum with affinity to concanavalin A. Svejgaard E. **J Med Vet Mycol** 1986 Aug;24(4):271–80

Antigenic characterization of Microsporum canis, M. distortum, M. equinum, M. ferrugineum and Trichophyton soudanense cultures. Polonelli L, et al. **Mycopathologia** 1985 Oct;92(1):7–10

[Testing the protective effectiveness of avirulent vaccines against trichophytosis in cattle] Rybníkář A, et al. **Vet Med (Praha)** 1986 Apr;31(4):219–26 (Eng. Abstr.) **(Cze)**

[The effectiveness of LTF 130 Trichophyton vaccine under field conditions] Spanoghe L, et al. **Tijdschr Diergeneeskd** 1985 Dec 1;110(23):1011–4 (Eng. Abstr.) **(Dut)**

[Developmental mechanisms of the cutaneous immune response in Trichophyton rubrum infection] Lestschenko WM, et al. **Mykosen** 1986 Jul;29(7):329–36 (Eng. Abstr.) **(Ger)**

[Inactivation of the agents of anthroponotic and zoonotic trichophytosis by polymorphonuclear leukocytes] Medvedev IuA, et al. **Vestn Dermatol Venerol** 1985 Oct; (10):72–4 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

The routine use of modified Borelli's lactritmel agar (MBLA). Kaminski GW. **Mycopathologia** 1985 Jul;91(1):57–9

METABOLISM

Effects of antifungal agents on ergosterol biosynthesis in Candida albicans and Trichophyton mentagrophytes: differential inhibitory sites of naphthiomate and miconazole. Morita T, et al. **J Invest Dermatol** 1985 Nov; 85(5):434–7

PHYSIOLOGY

Environmental control of sporogenesis in Trichophyton mentagrophytes. Weigl E, et al. **Acta Univ Palacki Olomuc Fac Med** 1984;107:23–30

Vegetative segregation and arthrosporogenesis in Trichophyton mentagrophytes. Weigl E, et al. **Acta Univ Palacki Olomuc Fac Med** 1984;107:13–21

Studies on the parasitic forms of Trichophyton rubrum isolated from patients with granuloma trichophyticum using the "agar-implantation method" Nishiyama C, et al. **J Dermatol (Tokyo)** 1985 Aug;12(4):325–8

TRICHOPHYTOSIS see **TINEA**

TRICHOSPORON see under **HYPHOMYCETES**

TRICHOSTRONGYLOIDEA

Studies on the cryopreservation of Dictyocaulus viviparus (Nematoda) third-stage larvae. James ER, et al. **J Helminthol** 1986 Mar;60(1):65–73

ANALYSIS

Haemonchus contortus: qualitative and quantitative analysis of lipids. Kapur J, et al. **Zentralbl Veterinarmed [B]** 1985 Jun;32(5):345–53

CLASSIFICATION

Trichostrongyloid nematodes and their vertebrate hosts: reconstruction of the phylogeny of a parasitic group. Durette-Desset MC. **Adv Parasitol** 1985;24:239–306 (76 ref.)

DRUG EFFECTS

The prevalence of anthelmintic resistance in sheep nematodes on the central tablelands of New South Wales. Webb RF, et al. **Aust Vet J** 1986 Jan;63(1):13–6

Organic and inorganic acids as the stimulus for exsheathment of infective juveniles of nematodes. Petronijevic T, et al. **Int J Parasitol** 1986 Apr;16(2):163–8

An egg-hatch assay for resistance to levamisole in trichostrongyloid nematode parasites. Dobson RJ, et al. **Vet Parasitol** 1986 Jan;19(1–2):77–84

The effect of triflumuron (SIR8514) on the free-living stages of sheep nematodes. Waller PJ, et al. **Vet Parasitol** 1986 Jun;21(2):119–26

Resistance to benzimidazole of Haemonchus contortus utkalensis in sheep on Martinique. Gruner L, et al. **Vet Rec** 1986 Mar 8;118(10):276

Effects of anthelmintics on Haemonchus contortus (Nematoda: Trichostrongylidae). Kaur R, et al. **Vet Res Commun** 1986 Jan;10(1):21–36 (97 ref.)

EMBRYOLOGY

Effect of cool storage of faecal samples containing Haemonchus contortus eggs on the results of an in vitro egg development assay to test anthelmintic resistance. Smith-Buijs CM, et al. **Res Vet Sci** 1986 Jan;40(1):4–7

ENZYMOLOGY

Haemonchus contortus: effect of pH and temperature on some dehydrogenases. Kapur J, et al. **Acta Vet Hung** 1985; 33(1–2):19–23

Effect of pH and temperature on lipase and phospholipase of adult Haemonchus contortus (Nematoda: Trichostrongylidae). Kapur J, et al. **J Parasitol** 1986 Apr; 72(2):346–7

GROWTH & DEVELOPMENT

Regulation of Haemonchus contortus populations in sheep exposed to continuous infection. Barger IA, et al. **Int J Parasitol** 1985 Oct;15(5):529–33

Arrested development of the rabbit stomach worm Obeliscoides cuniculi: varied responses to cold treatment by the offspring produced throughout the course of a single infection. Watkins AR, et al. **Int J Parasitol** 1986 Feb; 16(1):55–61

Arrested development of the rabbit stomach worm Obeliscoides cuniculi: resumption of development of arrested larvae throughout the course of a single infection. Watkins AR, et al. **Int J Parasitol** 1986 Feb;16(1):47–54

Observations on the life-cycle and larval morphogenesis of Cooperia fuelleborni (Nematoda: Trichostrongyloidea) parasitic in impala, Aepyceros melampus. Anderson IG. **J Helminthol** 1986 Jun;60(2):113–22

Cultivation of Haemonchus contortus (Nematoda: Trichostrongylidae) from infective larvae to the adult male and the egg-laying female. Stringfellow F. **J Parasitol** 1986 Apr;72(2):339–45

[Haemonchus contortus: inhibition of prostaglandin synthesis by the abomasal mucosa promotes the development of the parasite] Dakkak A, et al. **Exp Parasitol** 1986 Feb; 61(1):26–32 **(Fre)**

IMMUNOLOGY

Serodiagnosis of lungworm infection in calves using ELISA. Bos HJ, et al. **Dev Biol Stand** 1985;62:45–52

Field experience with the bovine lungworm vaccine. Urquhart GM. **Dev Biol Stand** 1985;62:109–12

Studies on the abomasal pathology of immunized and non-immunized sheep infected with Haemonchus contortus. Salman SK, et al. **J Helminthol** 1985 Dec; 59(4):351–9

ISOLATION & PURIFICATION

Distribution of trichostrongylid nematodes in the abomasum of sheep. Dash KM. **Int J Parasitol** 1985 Oct;15(5):505–10

METABOLISM

Transcuticular solute movement in parasitic nematodes: relationship between non-polar solute transport and partition coefficient. Fetterer RH. **Comp Biochem Physiol [A]** 1986;84(3):461–6

Interactions of benzimidazoles (BZ) with tubulin from BZ-sensitive and BZ-resistant isolates of Haemonchus contortus. Lacey E, et al. **Mol Biochem Parasitol** 1986 May; 19(2):171–81

PHYSIOLOGY

Nematodirus battus: development of cold hardiness in dormant eggs. Ash C, et al. **Exp Parasitol** 1986 Aug; 62(1):24–8

[Experiences with cryopreservation of the 3d larval stage of trichostrongyloids in ruminants] Ramp T, et al. **Schweiz Arch Tierheilkd** 1986 Feb;128(2):79–86 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

[Comparative morphological findings in examples of Trichostrongylus colubriformis isolated from human infestations and T. colubriformis obtained from experimental infection of Ovis aries with larva from human isolates] Iori A, et al. **Parassitologia** 1983 Apr;25(1):17–20 (Eng. Abstr.) **(Ita)**

TRICHOSTRONGYLOIDIASIS

COMPLICATIONS

[Massive trichuriasis associated with balantidiasis and trichostrongylosis] Moraleda L, et al. **Rev Med Chil** 1985 Oct;113(10):1004–6 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Anthelmintic activity of ivermectin against immature

gastrointestinal nematodes of sheep. Todd KS Jr, et al. **Am J Vet Res** 1985 Nov;46(11):2354–5
Selection studies on anthelmintic resistant and susceptible populations of Trichostrongylus colubriformis of sheep. Waller PJ, et al. **Int J Parasitol** 1985 Dec;15(6):669–76
Effects of anthelmintics on Haemonchus contortus (Nematoda: Trichostrongylidae). Kaur R, et al. **Vet Res Commun** 1986 Jan;10(1):21–36 (97 ref.)
[Haemonchus contortus and Ostertagia circumcincta: expulsion of parasites and restoration of the integrity of the abomasal mucosa after intraabomasal administration of arachidonic acid to the experimentally infested sheep] Dakkak A, et al. **Exp Parasitol** 1985 Dec;60(3):371–82 **(Fre)**

IMMUNOLOGY

[Characteristics and role of the local humoral response and coproantibodies in parasitic infections] Wedrychowicz H. **Wiad Parazytol** 1986;32(1):11–43 (Eng. Abstr.) **(Pol)**

OCCURRENCE

First record of Trichostrongylus axei infection of man in the Caribbean region [letter] Bundy DA, et al. **Trans R Soc Trop Med Hyg** 1985;79(4):562–3

PARASITOLOGY

Cultivation of Haemonchus contortus (Nematoda: Trichostrongylidae) from infective larvae to the adult male and the egg-laying female. Stringfellow F. **J Parasitol** 1986 Apr;72(2):339–45
Trichostrongylus infection in a Thai boy. Panasoponkul C, et al. **Southeast Asian J Trop Med Public Health** 1985 Sep; 16(3):513–4
[Further observations on a focus of human trichostrongyliasis in the Viterbo resident] Cancrini G, et al. **Parassitologia** 1983 Apr;25(1):9–11 (Eng. Abstr.) **(Ita)**

PATHOLOGY

Pathologic changes in lambs with Ostertagia circumcincta infections associated with decreased infectivity of Haemonchus contortus. Blanchard JL, et al. **Am J Vet Res** 1986 Feb;47(2):309–14

PHYSIOPATHOLOGY

Effects of concurrent copper deficiency and gastro-intestinal nematodiasis on circulating copper and protein levels, liver copper and bodyweight in sheep. Hucker DA, et al. **Vet Parasitol** 1986 Jan;19(1–2):67–76

PREVENTION & CONTROL

Control of trichostrongylid pasture infestation in spring by the periparturient anthelmintic treatment of housed ewes prior to or at the time of turn out. Zhou YC, et al. **Vet Parasitol** 1986 Jan;19(1–2):157–61

TRANSMISSION

Trichostrongyloid nematodes and their vertebrate hosts: reconstruction of the phylogeny of a parasitic group. Durette-Desset MC. **Adv Parasitol** 1985;24:239–306 (76 ref.)

VETERINARY

Pathologic changes in lambs with Ostertagia circumcincta infections associated with decreased infectivity of Haemonchus contortus. Blanchard JL, et al. **Am J Vet Res** 1986 Feb;47(2):309–14
Enhancement of resistance of lambs to Haemonchus contortus by previous infection with Ostertagia circumcincta. Blanchard JL, et al. **Am J Vet Res** 1985 Oct; 46(10):2136–40
Activity of ivermectin against natural infections by abomasal nematodes in lambs in controlled tests: evaluation of equine and bovine injectable formulations administered intrasorally. Lyons ET, et al. **Am J Vet Res** 1986 Jun;47(6):1345–6
Experimentally induced ostertagiosis in rabbits inoculated with Ostertagia ostertagi of bovine origin. Snider TG 3d, et al. **Am J Vet Res** 1985 Oct;46(10):2184–7
Efficacy of the tris-salt of 2 [(methoxycarbonylamino)-[2-nitro-5-(n-propylthio) phenylimimo] methylamino] ethane sulfonic acid against inhibited larvae of Ostertagia ostertagi. Williams JC, et al. **Am J Vet Res** 1985 Oct;46(10):2188–92
Early changes in plasma pancreatic polypeptide, somatostatin, gastrin and motilin levels induced by H. contortus infection in lamb. Honde C, et al. **Ann Rech Vet** 1985;16(3):195–200
Peripheral blood white cell responses during concurrent copper deficiency and gastro-intestinal nematodiasis in sheep. Yong WK, et al. **Aust J Exp Biol Med Sci** 1985 Jun;63 (Pt 3):273–81
Control of helminthosis in lambs by strategic treatment with closantel and broad-spectrum anthelmintics. Dash KM. **Aust Vet J** 1986 Jan;63(1):4–7
Multiple anthelmintic resistance in Trichostrongylus colubriformis. Dash KM. **Aust Vet J** 1986 Feb;63(2):45–7
Regulation of Haemonchus contortus populations in sheep exposed to continuous infection. Barger IA, et al. **Int J Parasitol** 1985 Oct;15(5):529–33
The periparturient rise in fecal egg counts in three strains of Florida Native ewes and its value in predicting resistance of lambs to Haemonchus contortus. Courtney CH, et al. **Int J Parasitol** 1986 Jun;16(3):185–9
Effects of transfer of Ostertagia ostertagi between northern and southern U.S.A. on the pattern and frequency of hypobiosis. Frank GR, et al. **Int J Parasitol** 1986 Aug; 16(4):391–8
Populations of Ostertagia circumcincta in lambs following a single infection. Hong C, et al. **Int J Parasitol** 1986 Feb; 16(1):63–7
Arrested development of the rabbit stomach worm Obeliscoides cuniculi: resumption of development of arrested larvae throughout the course of a single infection. Watkins AR, et al. **Int J Parasitol** 1986 Feb;16(1):47–54
Arrested development of the rabbit stomach worm Obeliscoides cuniculi: varied responses to cold treatment by the offspring produced throughout the course of a single infection. Watkins AR, et al. **Int J Parasitol** 1986 Feb; 16(1):55–61
Age immunity to Ostertagia circumcincta: comparison of the local immune responses of 4 1/2- and 10-month-old lambs. Smith WD, et al. **J Comp Pathol** 1985 Apr;95(2):235–45
Studies on the abomasal pathology of immunized and non-immunized sheep infected with Haemonchus contortus. Salman SK, et al. **J Helminthol** 1985 Dec; 59(4):351–9
A case of Hyostrongylus rubidus infection in a pig. Sarashina T, et al. **Nippon Juigaku Zasshi** 1986 Feb;48(1):163–7
The influence of a chronic subclinical infection of Trichostrongylus colubriformis on gastrointestinal motility and digesta flow in sheep. Gregory PC, et al. **Parasitology** 1985 Oct;91 (Pt 2):381–96
Effect of concurrent infection with Ostertagia circumcincta and Trichostrongylus vitrinus on the performance of lambs. Coop RL, et al. **Res Vet Sci** 1986 Mar;40(2):241–5
Effect of Ostertagia ostertagi on lamb performance and cross resistance to O circumcincta. Coop RL, et al. **Res Vet Sci** 1985 Sep;39(2):200–6
Metabolism and growth in housed calves given a morantel sustained release bolus and exposed to natural trichostrongyle infection. Entrocasso CM, et al. **Res Vet Sci** 1986 Jan;40(1):65–75
Production, parasitological and carcase evaluation studies in steers exposed to trichostrongyle infection and treated with a morantel bolus or fenbendazole in two consecutive grazing seasons. Entrocasso CM, et al. **Res Vet Sci** 1986 Jan;40(1):76–85
Response to transplanted adult Ostertagia ostertagi in calves. McKellar Q, et al. **Res Vet Sci** 1986 May;40(3):367–71
Immunosuppression of lymphocyte blastogenesis in cattle infected with Ostertagia ostertagi and/or Trichostrongylus axei. Snider TG 3d, et al. **Vet Immunol Immunopathol** 1986 Mar;11(3):251–64
The effect of dietary protein on the pathophysiology of acute ovine haemonchosis. Abbott EM, et al. **Vet Parasitol** 1986 Apr;20(4):291–306
The effect of dietary protein on the pathogenesis of acute ovine haemonchosis. Abbott EM, et al. **Vet Parasitol** 1986 Apr;20(4):275–89
Anthelmintic evaluation of a thiabendazole-resistant strain of Ostertagia circumcincta recovered from sheep in England. Britt DP, et al. **Vet Parasitol** 1986 Jan; 19(1–2):95–101
Estimation of uptake of digestive tract strongyle larvae from pasture, using oesophagus fistulated sheep. Cabaret J, et al. **Vet Parasitol** 1986 Feb;19(3–4):315–20
Relationship of gastrointestinal histology and mucus antiparasite activity with the development of resistance to trichostrongyle infections in sheep. Douch PG, et al. **Vet Parasitol** 1986 Apr;20(4):315–31
The sequential development of type I and type II ostertagiasis in young cattle with special reference to biochemical and serological changes. Entrocasso C, et al. **Vet Parasitol** 1986 Aug;21(3):173–88
Limiting dilution analyses for the quantification of cellular immune responses in bovine ostertagiasis. Gasbarre LC. **Vet Parasitol** 1986 Mar;20(1–3):133–47
Influence of transport stress on trichostrongylid infection in feedlot beef cattle. Genchi C, et al. **Vet Parasitol** 1986 Aug; 21(3):211–5
Serum antibody response to soluble extract of the third-larval stage of Ostertagia ostertagi in cattle. Klesius PH, et al. **Vet Parasitol** 1986 Apr;20(4):307–14
The application of a simulation model to control strategies in ovine gastro-intestinal parasitism. Thomas RJ, et al. **Vet Parasitol** 1986 Jun;21(2):127–33
Some observations on the use of the morantel sustained-release bolus in first season-grazing calves on a Belgian dairy cattle farm. Dorny P, et al. **Vet Q** 1986 Jul;8(3):189–94
Differential efficacy of levamisole and oxfendazole [letter] Britt DP, et al. **Vet Rec** 1986 Feb 1;118(5):132–3
Nematodiriasis in lambs [letter] Britt DP. **Vet Rec** 1986 Jul 19;119(3):75
Levamisole-resistant nematodes [letter] Britt DP. **Vet Rec** 1986 Jan 18;118(3):81
Differential efficacy of levamisole and oxfendazole against resistant male and female Trichostrongylus colubriformis. Dash KM. **Vet Rec** 1985 Nov 9;117(19):502–3
Anthelmintic prophylactic methods [letter] Downey NE, et al. **Vet Rec** 1985 Dec 21–28;117(25–26):674
Levamisole-resistant nematodes [letter] Geerts S. **Vet Rec** 1986 Mar 8;118(10):283
Resistance to benzimidazole of Haemonchus contortus utkalensis in sheep on Martinique. Gruner L, et al. **Vet Rec** 1986 Mar 8;118(10):276
Efficacy of ivermectin against anthelmintic resistant isolates of sheep nematode parasites. Santiago MA, et al. **Vet Rec** 1986 Jul 12;119(2):43–4
Comparison of early season suppressive anthelmintic prophylactic methods for parasitic gastroenteritis and bronchitis in calves. Taylor SM, et al. **Vet Rec** 1985 Nov 16;117(20):521–4
[Haemonchus contortus: inhibition of prostaglandin synthesis by the abomasal mucosa promotes the development of the parasite] Dakkak A, et al. **Exp Parasitol** 1986 Feb; 61(1):26–32 **(Fre)**

TRICHOSTRONGYLOSIS see under **TRICHOSTRONGYLOIDIASIS**

TRICHOSTRONGYLUS

DRUG EFFECTS

Multiple anthelmintic resistance in Trichostrongylus colubriformis. Dash KM. **Aust Vet J** 1986 Feb;63(2):45–7
Trichostrongylus colubriformis: egg lethality due to Bacillus thuringiensis crystal toxin. Bone LW, et al. **Exp Parasitol** 1985 Dec;60(3):314–22
Selection studies on anthelmintic resistant and susceptible populations of Trichostrongylus colubriformis of sheep. Waller PJ, et al. **Int J Parasitol** 1985 Dec;15(6):669–76
Tubulin and benzimidazole-resistance in Trichostrongylus colubriformis (Nematoda). Sangster NC, et al. **J Parasitol** 1985 Oct;71(5):645–51
An egg-hatch assay for resistance to levamisole in trichostrongyloid nematode parasites. Dobson RJ, et al. **Vet Parasitol** 1986 Jan;19(1–2):77–84
The effect of triflumuron (SIR8514) on the free-living stages of sheep nematodes. Waller PJ, et al. **Vet Parasitol** 1986 Jun;21(2):119–26

IMMUNOLOGY

The relationship between ovine lymphocyte antigens and faecal egg count of sheep selected for responsiveness to vaccination against Trichostrongylus colubriformis. Outteridge PM, et al. **Int J Parasitol** 1986 Aug;16(4):369–74

ISOLATION & PURIFICATION

The statistical distribution of trichostrongylid nematodes in grazing lambs. Barger IA. **Int J Parasitol** 1985 Dec; 15(6):645–9
Vertical distribution of trichostrongylid larvae on herbage and in soil. Callinan AP, et al. **Int J Parasitol** 1986 Jun; 16(3):241–4
Distribution of trichostrongylid nematodes in the abomasum of sheep. Dash KM. **Int J Parasitol** 1985 Oct;15(5):505–10
Production, parasitological and carcase evaluation studies in steers exposed to trichostrongyle infection and treated with a morantel bolus or fenbendazole in two consecutive grazing seasons. Entrocasso CM, et al. **Res Vet Sci** 1986 Jan;40(1):76–85

METABOLISM

Sex steroid content and metabolism in Trichostrongylus colubriformis (Nematoda). Chung WL, et al. **J Parasitol** 1986 Apr;72(2):326–9

PATHOGENICITY

Effects of concurrent copper deficiency and gastro-intestinal nematodiasis on circulating copper and protein levels, liver copper and bodyweight in sheep. Hucker DA, et al. **Vet Parasitol** 1986 Jan;19(1–2):67–76

PHYSIOLOGY

Trichostrongylus colubriformis: isolation and characterization of ovicidal activity from Bacillus thuringiensis israelensis. Bone LW, et al. **Exp Parasitol** 1986 Oct;62(2):247–53
Trichostrongylus colubriformis: effect of anthelmintics on ingestion and oviposition. Bottjer KP, et al. **Int J Parasitol** 1985 Oct;15(5):501–3

TRICHOTHECENES see under **SESQUITERPENES**

TRICHOTILLOMANIA see under **OBSESSIVE-COMPULSIVE DISORDER**

TRICHURIASIS

COMPLICATIONS

Chronic dysentery, stunting, and whipworm infestation [letter] Cooper ES, et al. **Lancet** 1986 Aug 2;2(8501):280–1
[Massive trichuriasis associated with balantidiasis and trichostrongylosis] Moraleda L, et al. **Rev Med Chil** 1985 Oct;113(10):1004–6 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Flubendazole in the treatment of Ascaris lumbricoides and Trichuris trichiura: a comparison of two different regimens

with single-dose. de Silva DG, et al. **Ceylon Med J** 1984 Dec;29(4):199–203

Population dynamics and chemotherapeutic control of Trichuris trichiura infection of children in Jamaica and St. Lucia. Bundy DA, et al. **Trans R Soc Trop Med Hyg** 1985; 79(6):759–64

Rate of expulsion of Trichuris trichiura with multiple and single dose regimens of albendazole. Bundy DA, et al. **Trans R Soc Trop Med Hyg** 1985;79(5):641–4

IMMUNOLOGY

[Function of the T- and B-immunity systems in patients with ancylostomiasis and trichocephaliasis] Loban KM, et al. **Med Parazitol (Mosk)** 1986 Jan–Feb;(1):55–9 (Eng. Abstr.) (Rus)

PREVENTION & CONTROL

[Procedure for the sanitary improvement of mixed foci of ascariasis, trichocephaliasis and enterobiasis] Chobanov RE. **Med Parazitol (Mosk)** 1986 Mar–Apr;(2):81–3 (Rus)

VETERINARY

Whipworm (Trichuris discolor) infection in dairy replacement heifers. Perdrizet JA, et al. **J Am Vet Med Assoc** 1986 May 1;188(9):1063–4

[The effect of acupuncture on hematologic and biochemical values in dogs with endoparasitic infections] Still J, et al. **Vet Med (Praha)** 1985 Nov;30(11):687–98 (Eng. Abstr.) (Cze)

[Use of a combination preparation of pyrantel and oxantel pamoate (trade name: Banminth Plus) against roundworm, hookworm and whipworm infestation in the dog in general practice] Pfister K, et al. **Schweiz Arch Tierheilkd** 1986 Feb; 128(2):103–7 (Eng. Abstr.) (Ger)

TRICHUROIDEA

ULTRASTRUCTURE

[Morphological characteristics of the shell of the ova of Capillariidae (Nematoda, Capillariidae)] Romashov BV. **Parazitologiia** 1985 Sep–Oct;19(5):399–402 (Eng. Abstr.) (Rus)

TRICLOSAN see under **PHENYL ETHERS**

TRICUSPID VALVE

Tricuspid valve endocarditis cured by excision of a single vegetation. Jagger JD, et al. **Am Heart J** 1986 Sep; 112(3):626–7

Thrombotic lesions of the tricuspid valve in the newborn. Sussmane JB. **Clin Pediatr (Phila)** 1986 Apr;25(4):225–7

Echocardiographic detection of tricuspid valve vegetations in a child with ventricular septal defect. Bhandari S, et al. **Indian Pediatr** 1985 Jul;22(7):532–5

Echocardiographic study of cardiac abnormalities in families of patients with Marfan's syndrome. Pan CW, et al. **J Am Coll Cardiol** 1985 Nov;6(5):1016–20

Tricuspid valve endocarditis following septic abortion. Vaidya SS, et al. **J Assoc Physicians India** 1986 Feb; 34(2):157

[Clinical evaluation of the St. Jude medical prosthesis in tricuspid position] Imamura Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Apr;34(4):480–3 (Eng. Abstr.) (Jpn)

[A case report of tricuspid and aortic valve endocarditis associated with ventricular septal defect] Matsuwaka R, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Sep; 33(9):1364–8 (Eng. Abstr.) (Jpn)

[Evaluation of the cardiorespiratory system during rehabilitation of patients after prosthesis of the mitral and annuloplasty of the tricuspid valves] Kassirskiĭ GI, et al. **Kardiologiia** 1986 Feb;26(2):90–4 (Eng. Abstr.) (Rus)

[Ultrasonic diagnosis of defects of the tricuspid valve] Solov'ev GM, et al. **Kardiologiia** 1985 Dec;25(12):10–3 (Eng. Abstr.) (Rus)

[Natural course of the disease in patients with multiple rheumatic heart valve defects] Il'ina VE, et al. **Revmatologiia (Moskva)** 1985 Jul–Sep;(3):5–9 (Eng. Abstr.) (Rus)

ABNORMALITIES

Response to the Valsalva maneuver after the Fontan procedure for tricuspid valve atresia, single ventricle or pulmonic valve atresia. Gidding SS, et al. **Am J Cardiol** 1985 Nov 15;56(13):905–9

Natural model for the expected lifespan of right atrial to pulmonary artery conduits [letter] Silverman NH. **Am J Cardiol** 1986 Feb 15;57(6):500

Accessory tissue of the tricuspid valve protruding into the left ventricle through a septal defect. Feigl D, et al. **Arch Pathol Lab Med** 1986 Feb;110(2):144–7

Left ventricular wall stress and contractile function in childhood: normal values and comparison of Fontan repair versus palliation only in patients with tricuspid atresia. Graham TP Jr, et al. **Circulation** 1986 Sep;74(3 Pt 2):I61–9

A problem in Fontan's operation: sinus septal defect complicating tricuspid atresia. Kurosawa H, et al. **Heart Vessels** 1985 Feb;1(1):48–50

Assessment of left ventricular function before and after Fontan's operation for the correction of tricuspid atresia. Changes in left ventricular function determined by left ventricular volume change. Nakae S, et al. **Heart Vessels** 1985 May;1(2):83–8

Absent right atrioventricular connexion with the left atrium connected to the morphologically right ventricle, a right-sided rudimentary left ventricle, and right juxtaposition of the atrial appendages: documentation by angiography and cross-sectional echocardiography. Casta A, et al. **Int J Cardiol** 1985 Jan;7(1):21–8

Overriding atrioventricular valves. An angiographic–anatomical correlate. Soto B, et al. **Int J Cardiol** 1985 Nov;9(3):323–39

Exercise tolerance and cardiorespiratory response to exercise after the Fontan operation for tricuspid atresia or functional single ventricle. Driscoll DJ, et al. **J Am Coll Cardiol** 1986 May;7(5):1087–94

Continuous mixed venous oxygen saturation monitoring for perioperative management of a boy undergoing a modified Fontan procedure. Fauss BG, et al. **J Clin Monit** 1985 Jan; 1(1):52–7

Persistent low cardiac output after the Fontan operation. Should takedown be considered? DeLeon SY, et al. **J Thorac Cardiovasc Surg** 1986 Sep;92(3 Pt 1):402–5

Coronary sinus septal defect associated with tricuspid atresia. Rumisek JD, et al. **J Thorac Cardiovasc Surg** 1986 Jul; 92(1):142–5

Unusual interatrial communication after the Fontan procedure. Westerman GR, et al. **J Thorac Cardiovasc Surg** 1985 Oct;90(4):627–30

Ventricular inversion and tricuspid atresia (VITA complex): long survival without surgical treatment. Tazelaar HD, et al. **Pediatr Cardiol** 1986;6(4):187–91

Fontan procedure for correction of complex congenital cardiac anomalies. Sarioğlu T, et al. **Turk J Pediatr** 1985 Jul–Sep;27(3):135–46

[Prognosis of children with congenital tricuspid and pulmonary atresia 1967–83 in comparison with the natural course] Schmaltz AA, et al. **Monatsschr Kinderheilkd** 1985 Oct;133(10):743–8 (Eng. Abstr.) (Ger)

[Atresia of the tricuspid valve] Freggiaro V, et al. **Minerva Pediatr** 1985 Nov 30;37(21–22):887–90 (Eng. Abstr.) (Ita)

[Fontan-like operation of seven cases] Minami K, et al. **Nippon Geka Hokan** 1985 Jul 1;54(4):265–80 (Eng. Abstr.) (Jpn)

[Simultaneous surgery of Wolff-Parkinson-White syndrome combined with tricuspid atresia] Misaki T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Feb;34(2):261–6 (Eng. Abstr.) (Jpn)

[Angiocardiographic diagnosis of overriding tricuspid valve] Arisawa J, et al. **Rinsho Hoshasen** 1985 Nov;30(12):1501–4 (Eng. Abstr.) (Jpn)

[Tricuspid atresia in double outlet right ventricle. Report of 2 cases and proposal for a new classification] Fontes V, et al. **Arq Bras Cardiol** 1985 Feb;44(2):111–5 (Eng. Abstr.) (Por)

[Correction of tricuspid valve atresia using direct right atrium to right ventricle and right atrium to pulmonary artery anastomoses] Podzolkov VP, et al. **Kardiologiia** 1985 Jul; 25(7):35–9 (Eng. Abstr.) (Rus)

[Double inlet left ventricle] Flórez M, et al. **Arch Inst Cardiol Mex** 1986 Jan–Feb;56(1):63–9 (Eng. Abstr.) (Spa)

EMBRYOLOGY

Development of the atrioventricular valve region in the human embryo. Magovern JH, et al. **Anat Rec** 1986 Jun; 215(2):167–81

INJURIES

Tricuspid valve perforation by a permanent pacing lead in a patient with cardiac amyloidosis: case report and brief literature review. Christie JL, et al. **PACE** 1986 Jan;9(1 Pt 1):124–6

[Traumatic tricuspid insufficiency. Review of the literature, apropos of a case] Bernard M, et al. **Ann Cardiol Angeiol (Paris)** 1985 Oct;34(8):551–5 (Eng. Abstr.) (Fre)

PARASITOLOGY

Clinical studies on canine dirofilarial hemoglobinuria: relationship between the presence of heartworm mass at the tricuspid valve orifice and plasma hemoglobin concentration. Kitagawa H, et al. **Nippon Juigaku Zasshi** 1986 Feb;48(1):99–103

PATHOLOGY

Architecture of the ventricular mass and atrioventricular valves in complete transposition with intact septum compared with the normal: II. The right ventricle and tricuspid valve. Smith A, et al. **Pediatr Cardiol** 1986; 6(6):299–305

[Tricuspid endocarditis. Value of echocardiography. Developmental data. Apropos of 11 cases] Marsud L, et al. **Arch Mal Coeur** 1986 Feb;79(2):154–61 (Eng. Abstr.) (Fre)

[Assessment of annular dilatation in secondary tricuspid valve insufficiency] Hachida M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Jan;34(1):77–84 (Eng. Abstr.) (Jpn)

PHYSIOPATHOLOGY

Left atrioventricular valve after surgical repair in atrioventricular septal defect with separate valve orifices ("ostium primum atrial septal defect"): an echo-Doppler study. Meijboom EJ, et al. **Am J Cardiol** 1986 Feb 15; 57(6):433–6

Effect of variation in PQ interval on patterns of atrioventricular valve motion and flow in patients with normal ventricular function. Freedman RA, et al. **J Am Coll Cardiol** 1986 Mar;7(3):595–602

Noninvasive study of the presystolic component of the first heart sound in mitral stenosis. Hada Y, et al. **J Am Coll Cardiol** 1986 Jan;7(1):43–50

Doppler-detected paradoxus of mitral and tricuspid valve flows in chronic lung disease. Hoit B, et al. **J Am Coll Cardiol** 1986 Sep;8(3):706–9

RADIOGRAPHY

Diagnosis of tricuspid insufficiency by Doppler flowmetry in the inferior vena cava. A comparison with right ventricular angiography. Smith HJ. **Acta Radiol [Diagn] (Stockh)** 1986 Mar–Apr;27(2):183–7

[Tricuspid valve insufficiency in patients with rheumatic mitral valve disease: angiographic diameter of the tricuspid ring and function of the right ventricle] Hoffmeister HM, et al. **Z Kardiol** 1986 Jun;75(6):329–33 (Eng. Abstr.) (Ger)

SURGERY

Valve excision only versus valve excision plus replacement for active infective endocarditis involving the tricuspid valve. Barbour DJ, et al. **Am J Cardiol** 1986 Feb 15; 57(6):475–8

Tricuspid valve Candida endocarditis. Successful treatment with valve-sparing debridement and antifungal chemotherapy in a multiorgan transplant recipient. Pruett TL, et al. **Am J Med** 1986 Jan;80(1):116–8

Ketanserin in the preoperative and intraoperative management of a patient with carcinoid tumor undergoing tricuspid valve replacement. Casthely PA, et al. **Anesth Analg** 1986 Jul;65(7):809–11

Hypoxia following tricuspid valve resection. Fyman PN, et al. **Anesthesiology** 1986 Jan;64(1):113–5

Fracture of the Carpentier-Edwards ring in tricuspid position: a report of three cases. Galiñanes M, et al. **Ann Thorac Surg** 1986 Jul;42(1):74–6

Surgical management of carcinoid heart disease. DiSesa VJ, et al. **Chest** 1985 Nov;88(5):789–91

Trends and results in tricuspid valve surgery. Kratz JM, et al. **Chest** 1985 Dec;88(6):837–40

Prophylactic resection of a tricuspid valve vegetation in infective endocarditis. Bernal JM, et al. **Int J Cardiol** 1986 Aug;12(2):255–7

Failure of mechanical valves in Ebstein's malformation. Harjula A, et al. **Int J Cardiol** 1986 Jun;11(3):265–76

Immediate tricuspid valve replacement for endocarditis. Indications and results. Stern HJ, et al. **J Thorac Cardiovasc Surg** 1986 Feb;91(2):163–7

Double-outlet right atrium associated with tetralogy of Fallot and common atrioventricular valve. Westerman GR, et al. **J Thorac Cardiovasc Surg** 1986 Feb;91(2):205–7

[Multiple valve replacement: 59 cases] Ren CY, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1985 Jun; 13(2):84–6, 156 (Eng. Abstr.) (Chi)

[Surgical treatment of patients with trivalvular disease: results and evaluation of perioperative risks] Livi U, et al. **Cardiologia** 1982;27(3):295–301 (Ita)

[Surgical treatment of isolated tricuspid valve endocarditis] Otaki M, et al. **Kyobu Geka** 1985 Aug;38(8):643–7 (Eng. Abstr.) (Jpn)

[A corrective operation for advanced combined valvular heart disease associated with a giant left atrium] Ishihara H, et al. **Nippon Geka Hokan** 1985 May 1;54(3):237–43 (Eng. Abstr.) (Jpn)

[Malfunction of a Björk-Shiley tricuspid prosthesis] Nojiri C, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Jun; 33(6):928–32 (Eng. Abstr.) (Jpn)

[Mitral valve replacement and tricuspid annuloplasty in patients with severe hyperbilirubinemia] Yamamoto S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Jan;34(1):103–7 (Eng. Abstr.) (Jpn)

[Current state and prospects of development of the surgical treatment of patients with multivalvular heart defects] Tsukerman GI, et al. **Vestn Akad Med Nauk SSSR** 1986; (1):87–92 (Eng. Abstr.) (Rus)

[Tricuspid valvulectomy without valvular replacement in a heroin addict with Pseudomonas aeruginosa endocarditis] Sala J, et al. **Rev Esp Cardiol** 1986 May–Jun;39(3):241–4 (Eng. Abstr.) (Spa)

TRICUSPID VALVE INSUFFICIENCY

COMPLICATIONS

Isolated rheumatic tricuspid regurgitation and stenosis. Fujii S, et al. **Clin Cardiol** 1986 Jul;9(7):353–5

[Successful surgical treatment of "parachute mitral valve" with ventricular septal defect, patent ductus arteriosus, severe pulmonary hypertension and tricuspid regurgitation]

Hoshino R, et al. **Kyobu Geka** 1985 Oct;38(10):831–5 (Eng. Abstr.) **(Jpn)**

[A case report of markedly calcified left atrium in combined valvular disease] Matsuwaka R, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Nov; 33(11):2118–21 (Eng. Abstr.) **(Jpn)**

[A case of successful repair of double outlet right ventricle with atrio-ventricular discordance (I.D.D.), tricuspid regurgitation and pulmonary stenosis] Nakayama K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Jan;34(1):113–7 (Eng. Abstr.) **(Jpn)**

[Tricuspid insufficiency associated with mitral and mitroaortic valve defects] Sitkowski W, et al. **Kardiol Pol** 1985;28(12):745–50 (Eng. Abstr.) **(Pol)**

CONGENITAL

[Neonatal tricuspid insufficiency—a contribution to the differential diagnosis of the cyanotic newborn infant] Zeilinger G, et al. **Klin Padiatr** 1986 Jan–Feb;198(1):53–7 (Eng. Abstr.) **(Ger)**

[A case of tetralogy of Fallot associated with congenital tricuspid insufficiency] Tachibana H, et al. **Kyobu Geka** 1986 Jun;39(6):449–53 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Regurgitation of all four cardiac valves detected by Doppler echocardiography. Meltzer RS, et al. **Am J Cardiol** 1986 Jul 1;58(1):169–71

Detection and evaluation of tricuspid regurgitation using a real-time, two-dimensional, color-coded, Doppler flow imaging system: comparison with contrast two-dimensional echocardiography and right ventriculography. Suzuki Y, et al. **Am J Cardiol** 1986 Apr 1;57(10):811–5

The clinical spectrum of tricuspid regurgitation detected by pulsed Doppler echocardiography. Missri J, et al. **Angiology** 1985 Oct;36(10):746–53

Intraoperative echocardiography for the evaluation of valvular regurgitation: experience in 263 patients. Goldman ME, et al. **Circulation** 1986 Sep;74(3 Pt 2):I143–9

Diagnosis of tricuspid regurgitation. Sensitivity of Doppler ultrasound compared with contrast echocardiography. Skjaerpe T, et al. **Eur Heart J** 1985 May;6(5):429–36

Multi-valvular regurgitation in Marfan's syndrome detected by Doppler echocardiography. Kenny J, et al. **Ir Med J** 1986 May;79(5):135–6

Venous systolic thrill and murmur in the neck: a consequence of severe tricuspid insufficiency. Amidi M, et al. **J Am Coll Cardiol** 1986 Apr;7(4):942–5

Prolapsing Chiari malformation in tricuspid regurgitation: a moving filling defect in the inferior vena cava. Lewandowski B, et al. **J Ultrasound Med** 1985 Dec; 4(12):655–8

The prenatal ultrasonographic diagnosis of cardiomegaly due to tricuspid incompetence. Brown J, et al. **Pediatr Radiol** 1986;16(5):440

Doppler detection of tricuspid regurgitation following Kawasaki disease. Nakano H, et al. **Pediatr Radiol** 1986; 16(2):123–5

Shortness of breath and right upper quadrant pain. Yeung SC. **Semin Roentgenol** 1986 Jan;21(1):5–6

Accuracy in detection and quantification of tricuspid regurgitation by contrast and Doppler echocardiography. Jacksch R, et al. **Z Kardiol** 1986;75 Suppl 2:33–4

[Detection of tricuspid insufficiency by ultrasound angiography via the brachial vein] Jiang L. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1984 Dec; 12(4):290–1 **(Chi)**

[Contrast echocardiography in the diagnosis of tricuspid insufficiency. Evaluation before and after cardiosurgical intervention in 24 patients] Corallo S, et al. **G Ital Cardiol** 1986 Mar;16(3):213–23 (Eng. Abstr.) **(Ita)**

[Assessment of annular dilatation in secondary tricuspid valve insufficiency] Hachida M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Jan;34(1):77–84 (Eng. Abstr.) **(Jpn)**

[Use of contrast studies in two-dimensional echocardiography. II. Insufficiency of the tricuspid valve] Adamus J, et al. **Kardiol Pol** 1985;28(6):365–73 (Eng. Abstr.) **(Pol)**

[Ultrasonic diagnosis of tricuspid valve insufficiency] Danil'chenko TA, et al. **Kardiologiia** 1985 Jul;25(7):63–7 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Transient tricuspid valve insufficiency following acute inferior myocardial infarction. Huyghens L, et al. **Acta Cardiol (Brux)** 1986;41(1):63–7

Tricuspid insufficiency caused by nonpenetrating chest trauma. Report of two cases diagnosed by Doppler cardiography. Eskilsson J. **Acta Med Scand** 1985; 218(3):347–52

Pseudo tricuspid regurgitation in ventricular pacing. Jacobs P, et al. **Am Heart J** 1985 Oct;110(4):886–8

Massive tricuspid regurgitation caused by intramyocardial hydatid cyst. Garcia-Fernandez F, et al. **Am J Cardiol** 1986 May 1;57(13):1199–200

Chronic tricuspid regurgitation and bifascicular block due to blunt chest trauma. Perlroth MG, et al. **Am J Med Sci** 1986 Feb;291(2):119–25

Ketanserin in the preoperative and intraoperative management of a patient with carcinoid tumor undergoing tricuspid valve replacement. Casthely PA, et al. **Anesth Analg** 1986 Jul;65(7):809–11

Hemodynamic compromise (tricuspid stenosis and insufficiency) caused by an unruptured aneurysm of the sinus of Valsalva. Gibbs KL, et al. **J Am Coll Cardiol** 1986 May;7(5):1177–81

[Traumatic tricuspid insufficiency. Review of the literature, apropos of a case] Bernard M, et al. **Ann Cardiol Angeiol (Paris)** 1985 Oct;34(8):551–5 (Eng. Abstr.) **(Fre)**

[Sclerodermal cardiopathy with tricuspid insufficiency and pulsatile varices] Busquet MF, et al. **Ann Dermatol Venereol** 1985;112(6–7):519–23 **(Fre)**

[Tricuspid endocarditis with right-left shunt in the atrium] Bru P, et al. **Arch Mal Coeur** 1986 Apr;79(4):511–3 (Eng. Abstr.) **(Fre)**

[Severe hypoxemia due to a right-to-left shunt at the atrial level caused by an infarction of the right ventricle] Daubert JC, et al. **Arch Mal Coeur** 1985 Oct;78(10):1563–8 (Eng. Abstr.) **(Fre)**

[Tricuspid insufficiency in biventricular myocardial infarct] Descaves C, et al. **Arch Mal Coeur** 1985 Sep;78(9):1287–95 (Eng. Abstr.) **(Fre)**

[Isolated tricuspid regurgitation due to infective endocarditis. A case report of the successful replacement of the tricuspid valve] Ishizuka N, et al. **Kokyu To Junkan** 1985 Jul; 33(7):933–7 (Eng. Abstr.) **(Jpn)**

[A case of idiopathic isolated tricuspid valve prolapse associated with tricuspid regurgitation] Yamazaki K, et al. **Kokyu To Junkan** 1985 Jul;33(7):921–5 (Eng. Abstr.) **(Jpn)**

[A successful surgical case of secundum atrial septal defect with tricuspid regurgitation associated with tricuspid valve prolapse and partial anomalous pulmonary venous return] Inomata A, et al. **Kyobu Geka** 1985 Sep;38(9):750–5 (Eng. Abstr.) **(Jpn)**

MORTALITY

Survival in atrioventricular discordance. Huhta JC, et al. **Pediatr Cardiol** 1985;6(2):57–60

PATHOLOGY

Severe congenital tricuspid regurgitation in the newborn. A rare from with myxomatous valvular incomplete development. Moodie DS, et al. **Cleve Clin Q** 1985 Fall; 52(3):403–8

Etiology of pure tricuspid regurgitation based on anular circumference and leaflet area: analysis of 45 necropsy patients with clinical and morphologic evidence of pure tricuspid regurgitation. Waller BF, et al. **J Am Coll Cardiol** 1986 May;7(5):1063–74

PHYSIOPATHOLOGY

Fate of tricuspid regurgitation after closed valvotomy for mitral stenosis. Shafie MZ, et al. **Chest** 1985 Dec; 88(6):870–3

Right atrial pressure-volume relationships in tricuspid regurgitation. Miller MJ, et al. **Circulation** 1986 Apr; 73(4):799–808

Noninvasive evaluation of intracardiac pressures using Doppler ultrasound: a case study of panvalvular regurgitation. Yock PG, et al. **Clin Cardiol** 1985 Nov; 8(11):565–71

Right ventricular function in mitral/aortic valve disease with and without tricuspid incompetence. Brilla C, et al. **Z Kardiol** 1986;75 Suppl 2:114–6

[Pathophysiology of tricuspid insufficiency: analysis of the motion of the tricuspid valve annulus using 2-dimensional echocardiography] Lambertz H, et al. **Z Kardiol** 1985 Nov; 74(11):662–9 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

[Tricuspid valve insufficiency in patients with rheumatic mitral valve disease: angiographic diameter of the tricuspid ring and function of the right ventricle] Hoffmeister HM, et al. **Z Kardiol** 1986 Jun;75(6):329–33 (Eng. Abstr.) **(Ger)**

[Inferior vena caval angiography: a new angiographic method for evaluating tricuspid regurgitation] Okumachi F, et al. **J Cardiogr** 1984 Dec;14(4):743–9 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Inversion of the radionuclide regurgitant index in right-sided valvular regurgitation. Novack H, et al. **Eur J Nucl Med** 1985;11(6–7):205–9

[A radioisotope method in the evaluation of tricuspid insufficiency] Dighero H, et al. **Rev Med Chil** 1985 Jul; 113(7):653–6 (Eng. Abstr.) **(Spa)**

SURGERY

Tricuspid valve surgery: indications, methods, and results. Cobanoglu A, et al. **Cardiovasc Clin** 1986;16(2):375–87

Traumatic rupture of the tricuspid valve: repair by chordal replacements and annuloplasty. Katz NM, et al. **J Thorac Cardiovasc Surg** 1986 Feb;91(2):310–4

[Surgical correction of chronic tricuspid insufficiency following infarction of the right ventricle] Descaves C, et al. **Arch Mal Coeur** 1985 Nov;78(12):1853–6 (Eng. Abstr.) **(Fre)**

[Left atrial catheter following puncture of the jugular vein] Schaps D, et al. **Anaesthesist** 1985 Dec;34(12):688–9 (Eng. Abstr.) **(Ger)**

[An emergency operation for MSr and TR, with extreme pH] Nakada I, et al. **Kyobu Geka** 1985 Aug;38(8):648–51 (Eng. Abstr.) **(Jpn)**

[A method of direct right atrium-pulmonary artery anastomosis (modified Fontan procedure) and its clinical application to tricuspid atresia] Suma K, et al. **Kyobu Geka** 1985 Oct;38(10):765–73 (Eng. Abstr.) **(Jpn)**

[Current problems in the surgical treatment of acquired heart disease] Kitamura S, et al. **Nippon Geka Gakkai Zasshi** 1985 Sep;86(9):1212–5 (Eng. Abstr.) **(Jpn)**

[A surgical case report of left ventricular-right atrial communication with aortic and tricuspid regurgitation due to infective endocarditis] Nakayama S, et al. **Nippon Geka Hokan** 1985 Sep 1;54(5):383–7 (Eng. Abstr.) **(Jpn)**

[Malfunction of a Björk-Shiley tricaspid prosthesis] Nojiri C, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Jun; 33(6):928–32 (Eng. Abstr.) **(Jpn)**

[Double chambered right ventricle associated with tricuspid regurgitation—a 54-year-old case] Okoshi T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Oct; 33(10):1986–91 (Eng. Abstr.) **(Jpn)**

[Evolution and current problems in reconstructive surgery of the heart valves] Solov'ev GM. **Kardiologiia** 1985 Oct; 25(10):19–24 (Eng. Abstr.) **(Rus)**

[Surgical correction of traumatic defect of interventricular septum and tricuspid valve insufficiency] Tarichko IuV, et al. **Khirurgiia (Mosk)** 1985 Jun;(6):136 **(Rus)**

TRICUSPID VALVE PROLAPSE see under **HEART VALVE DISEASES**

TRICUSPID VALVE STENOSIS

COMPLICATIONS

Isolated rheumatic tricuspid regurgitation and stenosis. Fujii S, et al. **Clin Cardiol** 1986 Jul;9(7):353–5

DIAGNOSIS

Right atrial tamponade simulating tricuspid stenosis following acute myocardial infarction. Silver MA, et al. **Am Heart J** 1986 May;111(5):984–6

Cardiac hydatid cyst simulating tricuspid stenosis. Erol C, et al. **Am J Cardiol** 1985 Nov 1;56(12):833–4

Isolated right atrial tamponade by serous fluid simulating tricuspid stenosis. Zahler R, et al. **Am J Med** 1985 Oct; 79(4):531–4

Organic tricuspid valve involvement in rheumatic heart disease—a prospective study by 2-D echocardiography. Manoharan S, et al. **Indian Heart J** 1986 Jan–Feb;38(1):60–3

Uncommon pattern of tricuspid stenosis in Ebstein's anomaly. Fasoli G, et al. **Int J Cardiol** 1985 Dec;9(4):488–92

ETIOLOGY

Endocarditis of a tricuspid prosthesis causing valvular stenosis and shunting through a patent foramen ovale. Bier A, et al. **Chest** 1986 Aug;90(2):293–5

Hemodynamic compromise (tricuspid stenosis and insufficiency) caused by an unruptured aneurysm of the sinus of Valsalva. Gibbs KL, et al. **J Am Coll Cardiol** 1986 May;7(5):1177–81

PHYSIOPATHOLOGY

[Acute and chronic experimental tricuspid valvular stenosis in dogs] Morishita Y, et al. **Nippon Geka Gakkai Zasshi** 1986 Apr;87(4):443–9 (Eng. Abstr.) **(Jpn)**

SURGERY

Percutaneous balloon valvuloplasty for stenosis of a porcine bioprosthesis in the tricuspid valve position. Feit F, et al. **Am J Cardiol** 1986 Aug 1;58(3):363–4

Tricuspid valve surgery: indications, methods, and results. Cobanoglu A, et al. **Cardiovasc Clin** 1986;16(2):375–87

TRICYCLIC ANTIDEPRESSIVE AGENTS see **ANTIDEPRESSIVE AGENTS, TRICYCLIC**

TRIETHYLCHOLINE see under **CHOLINE**

TRIETHYLENEMELAMINE

TOXICITY

[Heritable translocation assay in mice after prolonged and TEM treatment] Wang JN, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Dec; 6(6):425–8 (Eng. Abstr.) **(Chi)**

TRIETHYLENETETRAMINE see under **ETHYLENEDIAMINES**

TRIETHYLTIN COMPOUNDS see under **TRIALKYLTIN COMPOUNDS**

TRIFLUOPERAZINE

ADVERSE EFFECTS

The neuroleptic malignant syndrome in an adolescent. Merry SN, et al. **J Am Acad Child Psychiatry** 1986 Mar; 25(2):284–6

ANALOGS & DERIVATIVES

Radioimmunoassay for the 7-hydroxy metabolite of trifluoperazine and its application to a kinetic study in human volunteers. Aravagiri M, et al. **J Pharm Sci** 1985 Nov;74(11):1196–202

Development and application of a specific radioimmunoassay for trifluoperazine N4'-oxide to a kinetic study in humans. Aravagiri M, et al. **J Pharmacol Exp Ther** 1986 May; 237(2):615–22

METABOLISM

Radioimmunoassay for the 7-hydroxy metabolite of trifluoperazine and its application to a kinetic study in human volunteers. Aravagiri M, et al. **J Pharm Sci** 1985 Nov;74(11):1196–202

Development and application of a specific radioimmunoassay for trifluoperazine N4'-oxide to a kinetic study in humans. Aravagiri M, et al. **J Pharmacol Exp Ther** 1986 May; 237(2):615–22

PHARMACODYNAMICS

Trifluoperazine stimulated sodium transport by increased prostaglandin E2 synthesis in isolated frog skin (Rana esculenta). Bjerregaard HF, et al. **Acta Physiol Scand** 1986 May;127(1):75–85

Effect of anticalmodulin drugs on the action of yeast alpha factor pheromone. Ruiz T, et al. **Arch Microbiol** 1986 Jun; 145(1):104–6

Effect of calmodulin antagonists on hypoxia and reoxygenation damage in isolated rabbit hearts. Beresewicz A, et al. **Basic Res Cardiol** 1986 May–Jun;81(3):311–25

Normothermic ischaemic cardiac arrest of the isolated perfused rat heart: effects of trifluoperazine and lysolecithin on mechanical and metabolic recovery. Lochner A, et al. **Basic Res Cardiol** 1985 Jul–Aug;80(4):363–76

Effects of trifluoperazine and chlorpromazine on calcium-repleted injury in isolated ventricle strips. Okumura K, et al. **Basic Res Cardiol** 1985 Sep–Oct; 80(5):556–63

Calmodulin inhibitor trifluoperazine selectively enhances cytotoxic effects of strong vs weak DNA binding antitumor drugs in doxorubicin-resistant P388 mouse leukemia cells. Ganapathi R, et al. **Biochem Biophys Res Commun** 1985 Sep 16;131(2):912–9

Factors governing the modulation of vinca-alkaloid resistance in doxorubicin-resistant cells by the calmodulin inhibitor trifluoperazine. Ganapathi R, et al. **Biochem Pharmacol** 1986 Feb 15;35(4):673–8

Effect of trifluoperazine and other drugs on matrix vesicle formation by chicken growth plate chondrocytes in primary cell culture. Schalk EM, et al. **Biochem Pharmacol** 1986 Jul 15;35(14):2373–9

Evidence of a role for calmodulin in the regulation of calcium release from skeletal muscle sarcoplasmic reticulum. Meissner G. **Biochemistry** 1986 Jan 14;25(1):244–51

Trifluoperazine inhibits Sendai virus-induced hemolysis. MacDonald RI. **Biochim Biophys Acta** 1986 Apr 14; 856(2):337–47

Role of the calmodulin inhibitor trifluoperazine on the induction and expression of cell cycle traverse perturbations and cytotoxicity of daunorubicin and doxorubicin (adriamycin) in doxorubicin-resistant P388 mouse leukaemia cells. Ganapathi R, et al. **Br J Cancer** 1986 Apr;53(4):561–6

Interaction of bleomycin, hyperthermia and a calmodulin inhibitor (trifluoperazine) in mouse tumour cells: I. In vitro cytotoxicity. Mircheva J, et al. **Br J Cancer** 1986 Jan; 53(1):99–103

Interaction of bleomycin, hyperthermia and a calmodulin inhibitor (trifluoperazine) in mouse tumour cells: II. DNA damage, repair and chromatin changes. Smith PJ, et al. **Br J Cancer** 1986 Jan;53(1):105–14

The high affinity calcium inhibition of parathyroid adenylate cyclase is not calmodulin dependent. Oldham SB, et al. **Calcif Tissue Int** 1986 May;38(5):275–81

Effect of trifluoperazine on the action of insulin in rat adipocytes. Begum N, et al. **Endocrinology** 1986 Jan; 118(1):287–92

Trifluoperazine and W-7 inhibit mating in Chlamydomonas at an early stage of gametic interaction. Detmers PA, et al. **Exp Cell Res** 1986 Apr;163(2):317–26

Differential trace labeling of calmodulin: investigation of binding sites and conformational states by individual lysine reactivities. Effects of beta-endorphin, trifluoperazine, and ethylene glycol bis(beta-aminoethyl ether)-N,N,N',N'-tetraacetic acid. Giedroc DP, et al. **J Biol Chem** 1985 Nov 5;260(25):13406–13

Internalization and recycling of transferrin and its receptor. Effect of trifluoperazine on recycling in human erythroleukemic cells. Hunt RC, et al. **J Biol Chem** 1986 Mar 15;261(8):3681–6

Effects of trifluoperazine on calcium binding by calmodulin. Heat capacity and entropy changes. Tanokura M, et al. **J Biol Chem** 1986 Aug 15;261(23):10749–52

Inhibition of epidermal growth factor-induced phosphorylation by trifluoperazine. Ross AH, et al. **J Cell Physiol** 1985 Sep;124(3):499–506

Active extrusion of potassium in the yeast Saccharomyces cerevisiae induced by low concentrations of trifluoperazine. Eilam Y, et al. **J Gen Microbiol** 1985 Oct;131 (Pt 10):2555–64

Effect of nitrendipine, diltiazem, trifluoperazine and pimozide on serotonin2 (5-HT2) receptor activation in the rat uterus and jugular vein. Cohen ML, et al. **J Pharmacol Exp Ther** 1986 Sep;238(3):860–7

Effect of trifluoperazine on rabbit cortical collecting tubular response to vasopressin. Dillingham MA, et al. **J Physiol (Lond)** 1986 Mar;372:41–50

Paradoxical effect of trifluoperazine, a calmodulin antagonist, on pepsinogen secretion. Modlin IM, et al. **J Surg Res** 1986 Jun;40(6):624–31

Circumvention of multiple-drug resistance in human cancer cells by thioridazine, trifluoperazine, and chlorpromazine. Akiyama S, et al. **JNCI** 1986 May;76(5):839–44

Stimulation of 3H-norepinephrine release by trifluoperazine from rat pineal glands. Yurko KA, et al. **Life Sci** 1986 Apr 14;38(15):1393–7

Plasticity of the electroexcitable membrane of the neuron under conditions of calmodulin blockade. Tsitolovskii LE. **Neurosci Behav Physiol** 1986 Jan–Feb;16(1):84–6

Relative effectiveness of pimozide, haloperidol and trifluoperazine on self-stimulation rate-intensity functions. Lynch MR, et al. **Pharmacol Biochem Behav** 1985 Nov; 23(5):777–80

Trifluoperazine protection of hypoxic myocardium. Karwatowska-Kryńska E, et al. **Pol J Pharmacol Pharm** 1985 Sep–Oct;37(5):615–27

Effects of trifluoperazine and verapamil on the hydro-osmotic response to antidiuretic hormone in the urinary bladder of the toad. Kipnowski J, et al. **Res Exp Med (Berl)** 1985;185(5):367–74

Effects of calmodulin antagonists Cd2+ and trifluoperazine on mixed lymphocyte culture cell-mediated lysis and antibody-dependent cell cytolysis. Wolff CH. **Scand J Immunol** 1986 Jun;23(6):663–8

Studies on the effect of platelet inhibitors on platelet adhesion to collagen and collagen-induced human platelet activation. Krishnamurthi S, et al. **Thromb Haemost** 1985 Jun 24;53(3):337–42

Effect of heparin on platelet aggregation inhibited by PGI2, trifluoperazine and verapamil. Weber DR, et al. **Thromb Res** 1986 May 15;42(4):477–87

The influence of trifluoperazine (stellazine) on Hymenolepis diminuta in vivo. Hipkiss JB, et al. **Z Parasitenkd** 1986; 72(2):271–2

[Comparative analysis of the action of 2 calmodulin inhibitors on the contractile function of the isolated heart] Kapel'ko VI, et al. **Fiziol Zh SSSR** 1985 Sep;71(9):1095–100 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

Effective short-term treatment of generalized anxiety disorder with trifluoperazine. Mendels J, et al. **J Clin Psychiatry** 1986 Apr;47(4):170–4

Late preventive effects of trifluoperazine on carbon tetrachloride-induced hepatic necrosis. Villarruel MC, et al. **Toxicol Appl Pharmacol** 1986 Apr;83(2):287–93

[Adaptation to neuroleptic preparations and several ways of combatting it (experimental study)] Neduva AA, et al. **Zh Nevropatol Psikhiatr** 1985;85(8):1226–31 (Eng. Abstr.) (Rus)

TOXICITY

Selective cytotoxicity of calmidazolium and trifluoperazine for cycling versus noncycling C3H10T1/2 cells in vitro. Borsa J, et al. **Cancer Res** 1986 Jan;46(1):133–6

TRIFLUOROACETIC ACID see under **FLUOROACETATES**

TRIFLUOROETHANOL see under **ALCOHOL, ETHYL**

TRIFLUOROMETHYLHYDROTHIAZIDE see **HYDROFLUMETHIAZIDE**

TRIFLUOROPERAZINE see **TRIFLUOPERAZINE**

TRIFLUOROTHYMIDINE see under **THYMIDINE**

TRIFLUPROMAZINE

CHEMICAL SYNTHESIS

[New methods for synthesis of trifluoromethyl compounds directed for medicinal applications] Kumadaki I. **Yakugaku Zasshi** 1985 Aug;105(8):713–23 (24 ref.) (Eng. Abstr.) (Jpn)

TRIFLURALIN see under **TOLUIDINES**

TRIFTAZIN see **TRIFLUOPERAZINE**

TRIGEMINAL CAUDAL NUCLEUS see under **TRIGEMINAL NUCLEUS, SPINAL**

TRIGEMINAL NERVE

Trigeminal-palatal synkinesis. Kim BS, et al. **Arch Neurol** 1986 Jan;43(1):88–90

Primary malignant tumours of the trigeminal nerve. Maroun FB, et al. **Can J Neurol Sci** 1986 May;13(2):146–8

Fisher's syndrome following trigeminal herpes zoster. Uematsu D, et al. **Eur Neurol** 1985;24(5):314–8

Paresthesia of the trigeminal nerve secondary to endodontic manipulation with N2. Orr DL 2d. **Headache** 1985 Sep; 25(6):334–6

Epithelioid neurilemmoma of the trigeminal nerve: an immunohistochemical and ultrastructural study. Franks AJ. **Histopathology** 1985 Dec;9(12):1339–50

Intracranial tumors arising from the floor of the middle fossa. Vaghi MA, et al. **Ital J Neurol Sci** 1985 Dec;6(4):469–75

Loss of substance P immunoreactivity in the nucleus of the spinal trigeminal tract after intradural tumour compression of the trigeminal nerve. Pioro EP, et al. **Neurosci Lett** 1985 Jul 4;58(1):7–12

Selective anesthesias of peripheral branches of the trigeminal nerve due to odontogenic infection. Barrett AP, et al. **Oral Surg Oral Med Oral Pathol** 1986 Aug;62(2):226–8

Trigeminal herpes zoster causing mandibular osteonecrosis and spontaneous tooth exfoliation. Manz HJ, et al. **South Med J** 1986 Aug;79(8):1026–8

[Trophic ulcer caused by trigeminal neuropathy in children] Marandian MH, et al. **Ann Pediatr (Paris)** 1986 May; 33(5):433–6 (Eng. Abstr.) (Fre)

[A very misleading palpebral wound. Value of the examination of the trigeminal nerve] Roure A, et al. **Bull Soc Ophtalmol Fr** 1985 May;85(5):577–9 (Fre)

[Scleroderma and sensory trigeminal neuropathy] Serratrice G, et al. **Rev Rhum Mal Osteoartic** 1985 Nov;52(11):639–40 (Fre)

[Trigeminal neurinoma associated with suprasellar arachnoid cyst] Amagasa M, et al. **No Shinkei Geka** 1986 Mar;14(3 Suppl):357–60 (Eng. Abstr.) (Jpn)

[Etiological factors in odontogenic lesions of the trigeminal nerve system] Grechko VE, et al. **Stomatologiia (Mosk)** 1986 Mar–Apr;65(2):34–6 (Eng. Abstr.) (Rus)

[Electroconductivity of acupuncture points of the face in odontogenic lesions of the trigeminal nerve system] Puzin MN, et al. **Zh Nevropatol Psikhiatr** 1986;86(4):518–20 (Eng. Abstr.) (Rus)

ANALYSIS

The effect of sympathectomy on calcitonin gene-related peptide levels in the rat trigeminovascular system. Schon F, et al. **Brain Res** 1985 Nov 25;348(1):197–200

Electron microscopic demonstration of polysaccharides in central and peripheral myelin by thiosemicarbazide-protein-silver staining. Tabira T. **J Neurocytol** 1985 Oct;14(5):781–94

ANATOMY & HISTOLOGY

Topographical representation of the jaw muscles within the trigeminal motor nucleus. An HRP study in the mallard, Anas platyrhynchos. den Boer PJ, et al. **Acta Morphol Neerl Scand** 1986;24(1):1–17

The nervus trigeminus. Keusters D. **Acta Otorhinolaryngol Belg** 1986;40(1):121–41

Toxic ricin demonstrates a dual dental projection. Johnson LR, et al. **Brain Res** 1985 Oct 21;345(2):379–83

Morphological evidence for a direct projection of trigeminal nerve fibers to the primary gustatory center in the sea catfish Plotosus anguillaris. Kiyohara S, et al. **Brain Res** 1986 Aug 6;379(2):353–7

Topographic organization of peripheral trigeminal ganglionic projections in newborn rats. Klein BG, et al. **Brain Res** 1986 Jun;392(1–2):257–62

Differential distribution of cell bodies and central axons of mesencephalic trigeminal nucleus neurons supplying the jaw-closing muscles and periodontal tissue: a transganglionic tracer study in the cat. Nomura S, et al. **Brain Res** 1985 Dec 16;359(1–2):311–9

Transganglionic transport of wheat germ agglutinin-HRP and choleragenoid-HRP in rat trigeminal primary sensory neurons. Robertson B, et al. **Brain Res** 1985 Nov 25; 348(1):44–51

Degeneration and regeneration of peripheral nerve in the rat trigeminal system. I. Identification and characterization of the multiple afferent innervation of the mystacial vibrissae. Renehan WE, et al. **J Comp Neurol** 1986 Apr 1;246(1):129–45

Oral and facial representation within the medullary and upper cervical dorsal horns in the cat. Shigenaga Y, et al. **J Comp Neurol** 1986 Jan 15;243(3):388–408

Innervation of the feline cerebral vasculature by nerve fibers containing calcitonin gene-related peptide: trigeminal origin and co-existence with substance P. Uddman R, et al. **Neurosci Lett** 1985 Nov 20;62(1):131–6

Trigeminal nerve: anatomic correlation with MR imaging. Daniels DL, et al. **Radiology** 1986 Jun;159(3):577–83

[Vascular and nervous relationship of the internal orbital lining (apropos of 50 dissections)] Ducasse A, et al. **Bull Soc Ophtalmol Fr** 1985 Jan;85(1):149–55 (Eng. Abstr.) (Fre)

BLOOD SUPPLY

[Clinical aspects of the persistent primary trigeminal artery]

Beldiman M, et al. **Rev Med Interna [Neurol Psihiatr]** 1986 Jan-Mar;31(1):35-9 **(Rum)**

CYTOLOGY

Cell size analysis of trigeminal primary afferent neurons comprizing individual peripheral branches of the rat mandibular nerve. Sugimoto T, et al. **Exp Neurol** 1986 Sep; 93(3):565-73

Mesencephalic trigeminal sensory neurons of cat: axon pathways and structure of mechanoreceptive endings in periodontal ligament. Byers MR, et al. **J Comp Neurol** 1986 Aug 8;250(2):181-91

Morphology of terminations of small and large myelinated trigeminal primary afferent fibers in the cat. Hayashi H. **J Comp Neurol** 1985 Oct 1;240(1):71-89

Pattern of intracranial and extracranial projections of trigeminal ganglion cells. O'Connor TP, et al. **J Neurosci** 1986 Aug;6(8):2200-7

Trigeminal afferents to cerebral arteries and forehead are not divergent axon collaterals in cat. McMahon MS, et al. **Neurosci Lett** 1985 Sep 16;60(1):63-8

DRUG EFFECTS

Problems with retrogasserian glycerol in the treatment of trigeminal neuralgia. Sweet WH, et al. **Appl Neurophysiol** 1985;48(1-6):252-7

Postural syncope and trigeminal neuralgia relieved by percutaneous rhizotomy with glycerol. Arias MJ. **Neurosurgery** 1985 Nov;17(5):826-8

[The effect of fusaric acid on nerve tissue cultured in vitro] Lindner G, et al. **Z Mikrosk Anat Forsch** 1986; 100(2):262-72 (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

Mesenchyme formation from the trigeminal placodes of the mouse embryo. Nichols DH. **Am J Anat** 1986 May; 176(1):19-31

Development of the spinal tract of the trigeminal nerve and its relation to early fetal behavior in rats under normal and hypothyroid conditions. Narayanan CH, et al. **Exp Brain Res** 1986;62(1):61-76

The formation of axonal projections of the mesencephalic trigeminal neurones in chick embryos. Hiscock J, et al. **J Embryol Exp Morphol** 1986 Apr;93:281-90

[Graphic reconstruction of the trigeminal nerve in a human embryo at stage 23] Youssef M. **Bull Assoc Anat (Nancy)** 1984 Sep;68(202):269-73 (Eng. Abstr.) **(Fre)**

GROWTH & DEVELOPMENT

Cell death organizes the postnatal development of the trigeminal innervation of the cerebral vasculature. O'Connor TP, et al. **Brain Res** 1986 Jun;392(1-2):223-33

METABOLISM

Retrograde axonal transport of asialoglycoproteins in mouse trigeminal neurons in vivo and in rat dorsal root ganglia neurons in vitro. Gustafsson M, et al. **Brain Res** 1986 Mar 5;367(1-2):14-9

Some cholecystokinin-8 immunoreactive fibers in large pial arteries originate from trigeminal ganglion. Liu-Chen LY, et al. **Brain Res** 1985 Dec 16;359(1-2):166-76

Two distinct calcitonin gene-related peptide-containing peripheral nervous systems: distribution and quantitative differences between the iris and cerebral artery with special reference to substance P. Matsuyama T, et al. **Brain Res** 1986 May 14;373(1-2):205-12

Calcitonin gene-related peptide-immunoreactive nerves in the tongue, epiglottis and pharynx of the rat: occurrence, distribution and origin. Terenghi G, et al. **Brain Res** 1986 Feb 12;365(1):1-14

Temperature-induced changes in fatty acid composition of myelinated and non-myelinated axon phospholipids. Friedman KJ, et al. **Comp Biochem Physiol [B]** 1986; 83(2):313-9

Neuropeptide immunoreactivity of pericellular baskets in the guinea pig trigeminal ganglion. Kuwayama Y, et al. **Neurosci Lett** 1986 Feb 28;64(2):169-72

MICROBIOLOGY

How does vascular decompression surgery improve trigeminal neuralgia? [letter] Tenser RB. **Ann Neurol** 1986 May;19(5):514

Effects of 2,2'-O-cyclocytidine and acyclovir on latent herpes simplex virus in trigeminal ganglia of mice. Liu WG, et al. **Antimicrob Agents Chemother** 1986 Feb;29(2):278-80

Genetics of natural resistance to herpes simplex virus type 1 latent infection of the peripheral nervous system in mice. Kastrukoff LF, et al. **J Gen Virol** 1986 Apr;67 (Pt 4):613-21

Eradication of herpes simplex virus persistence in rat trigeminal ganglia by retrograde axoplasmic transport. Iwasaki Y, et al. **J Virol** 1986 Aug;59(2):242-8

An improved method for detection of ganglionic latency in herpes simplex virus type-1 infected guinea pigs. Bubel HC, et al. **J Virol Methods** 1986 Jul;13(4):301-8

[The effects of 2, 2'-O-cyclocytidine (CC) and acyclovir (ACV) on latent herpes simplex virus in trigeminal ganglia of mice] Liu WG, et al. **Yao Hsueh Hsueh Pao** 1985 Oct; 20(10):732-6 (Eng. Abstr.) **(Chi)**

[Detection of attenuated virus latency in infectious laryngotracheitis in the trigeminal ganglion of the chicken] Kaleta EF, et al. **DTW** 1986 Jan 7;93(1):40-2 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Fibrous xanthoma in the gasserian ganglion: case report. Morimura T, et al. **Neurosurgery** 1986 Jul;19(1):139-41

PHYSIOLOGY

The role of the tactile-pressure afferents in the habituation phenomenon of trigemino-facial reflex. Rossi B, et al. **Acta Neurol Scand** 1985 Dec;72(6):602-5

Trigeminal antidromic vasodilatation and plasma extravasation in the rat: effects of sensory, autonomic and motor denervation. Couture R, et al. **Brain Res** 1985 Oct 28;346(1):108-14

A peripheral stimulus initiates the collateral reinnervation of cat teeth. Robinson PP. **Brain Res** 1986 Feb 26; 366(1-2):397-400

Direct current potential changes of the vagal nuclear area induced by trigeminal stimulation. Sugaya E, et al. **Brain Res** 1986 Mar 26;369(1-2):369-72

Supratrigeminal neurons mediate the shortest, disynaptic pathway from the central amygdaloid nucleus to the contralateral trigeminal motoneurons in the rat. Ohta M, et al. **Comp Biochem Physiol [A]** 1986;83(4):633-41

Comparison of short-latency trigeminal evoked potentials elicited by painful dental and gingival stimulation. Chapman CR, et al. **Electroencephalogr Clin Neurophysiol** 1986 Jan;65(1):20-6

Trigemino cervical reflex in man. Sartucci F, et al. **Electromyogr Clin Neurophysiol** 1986 Mar-Apr;26(2):123-9

Responses of inferior salivatory neurons to stimulation of trigeminal sensory branches. Ishizuka K, et al. **Exp Neurol** 1986 Feb;91(2):269-76

Degeneration and regeneration of peripheral nerve in the rat trigeminal system. II. Response to nerve lesions. Renehan WE, et al. **J Comp Neurol** 1986 Jul 22; 249(4):429-59

Intracranial stimulation of the trigeminal nerve in man. I. Direct motor responses. Cruccu G. **J Neurol Neurosurg Psychiatry** 1986 Apr;49(4):411-8

Intracranial stimulation of the trigeminal nerve in man. II. Reflex responses. Cruccu G, et al. **J Neurol Neurosurg Psychiatry** 1986 Apr;49(4):419-27

Quantification of membrane properties of trigeminal root ganglion neurons in guinea pigs. Puil E, et al. **J Neurophysiol** 1986 May;55(5):995-1016

Contextual control of trigeminal sensorimotor function. Berridge KC, et al. **J Neurosci** 1986 Feb;6(2):325-30

Change in trigeminal somatosensory evoked potential (SEP) at different recording sites in cats. Iwata K, et al. **J Nihon Univ Sch Dent** 1985 Dec;27(4):218-27

The triumphant trigeminal nerve [letter] Hayward JR. **J Oral Maxillofac Surg** 1986 Jan;44(1):2

Inhibition of hyperactive trigeminal subnucleus caudalis neurons after experimental trigeminal rhizotomy in response to thalamic sensory relay nucleus stimulation. Katayama Y, et al. **Neurol Res** 1986 Jun;8(2):97-101

Trigeminal nerve branches containing primary afferent fibers to the dorsal division of the principal sensory trigeminal nucleus: a transganglionic horseradish peroxidase study in the cat. Nomura S, et al. **Neurosci Lett** 1986 May 15; 66(2):221-5

Immature and mature neurofilament-immunoreactive trigeminal fibers can innervate the iris as studied by intraocular grafting of iris and trigeminal ganglia. Björklund H, et al. **Neuroscience** 1985 Jul;15(3):841-51

Cerveau isolé and pretrigeminal rat preparations. Zernicki B, et al. **Physiol Bohemoslov** 1985;34 Suppl:183-5

Comparison of respiratory-related trigeminal, hypoglossal and phrenic activities. St. John WM, et al. **Respir Physiol** 1985 Oct;62(1):61-78

The effects of apamin in rats with pretrigeminal or high spinal transection of the central nervous system. Janicki P, et al. **Toxicon** 1985;23(6):993-6

[Experimental study on trigeminal evoked potentials in cats] Konishi T. **Nippon Geka Hokan** 1985 Nov 1;54(6):448-59 (Eng. Abstr.) **(Jpn)**

[Technical details for recording trigeminal evoked potentials in the cat] Konishi T, et al. **No To Shinkei** 1986 Apr; 38(4):345-52 (Eng. Abstr.) **(Jpn)**

[Activation of neurons of the medial nuclei of the cat thalamus by stimulation of different groups of trigeminal nerve fibers] Garkavenko VV, et al. **Fiziol Zh** 1986 Jul-Aug;32(4):392-7 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Trigeminal dysfunction in patients with Bell's palsy. Hanner P, et al. **Acta Otolaryngol (Stockh)** 1986 Mar-Apr; 101(3-4):224-30

Ipsilateral trigeminal sensory responses to cortical stimulation by subdural electrodes. Lesser RP, et al. **Neurology** 1985 Dec;35(12):1760-3

[Origin of olfactory and rhinosensory evoked cortical potentials in diseases of the central nervous system] Westhofen M, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Aug;64(8):378-87 (Eng. Abstr.) **(Ger)**

[Comparison of percutaneous gasserian-ganglion glycerol injection and microvascular decompression for the management of trigeminal neuralgia] Hamada S, et al. **Masui** 1985 Dec;34(12):1668-72 (Eng. Abstr.) **(Jpn)**

[Rhinobronchial reflex in patients with bronchial asthma] Fedoseev GB, et al. **Ter Arkh** 1986;58(4):13-7 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

High resolution CT of Meckel's cave. Chui M, et al. **Neuroradiology** 1985;27(5):403-9

SURGERY

Effectiveness of radiofrequency thermocoagulation in recurrent trigeminal neuralgia after previous retrogasserian rhizotomy. Kanpolat Y, et al. **Appl Neurophysiol** 1985; 48(1-6):258-61

Combined thermocoagulation of the 5th and 9th cranial nerves for oral pain of neoplastic aetiology. Salar G, et al. **J Maxillofac Surg** 1986 Feb;14(1):1-4

Percutaneous retrogasserian glycerol rhizotomy for trigeminal neuralgia. A prospective study of 100 cases. Arias MJ. **J Neurosurg** 1986 Jul;65(1):32-6

Percutaneous retrogasserian glycerol rhizotomy for treatment of trigeminal neuralgia. Beck DW, et al. **J Neurosurg** 1986 Jul;65(1):28-31

Suppression of pain in trigeminal neuropathy by electric stimulation of the gasserian ganglion. Meyerson BA, et al. **Neurosurgery** 1986 Jan;18(1):59-66

[Partial vertical nucleotomy as a modification of tractotomy of the trigeminal nerve] Grunert V, et al. **Neurochirurgia (Stuttg)** 1986 Jul;29(4):109-10 (Eng. Abstr.) **(Ger)**

[Percutaneous microcompression of the gasserian ganglion. New treatment for trigeminal neuralgia] Fiume D, et al. **Riv Neurol** 1985 Nov-Dec;55(6):387-91 (Eng. Abstr.) **(Ita)**

ULTRASTRUCTURE

Unmyelinated axons in the feline trigeminal motor root. Risling M, et al. **Anat Rec** 1986 Feb;214(2):198-203

Ultrastructural aspects of cryofixed nerves. Meller K. **Cell Tissue Res** 1985;242(2):289-300

[Electron microscopy studies of the effect of interception of snout sensory input on the masticatory system] Lee MS. **Kokubyo Gakkai Zasshi** 1986 Mar;53(1):309-42 (Eng. Abstr.) **(Jpn)**

TRIGEMINAL NEURALGIA

COMPLICATIONS

Suppression of pain in trigeminal neuropathy by electric stimulation of the gasserian ganglion. Meyerson BA, et al. **Neurosurgery** 1986 Jan;18(1):59-66

[Trigeminal neuralgia associated with angina pectoris] Cosentino F, et al. **Clin Ter** 1986 Jul 15;118(1):63-6 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

The nervus trigeminus. Keusters D. **Acta Otorhinolaryngol Belg** 1986;40(1):12-41

Tic douloureux and atypical facial pain. Loeser JD. **Can Dent Assoc J** 1985 Dec;51(12):917-23

[Rheofaciography in lesions of the trigeminal nerve system] Puzin MN, et al. **Stomatologiia (Mosk)** 1986 Jul-Aug; 65(4):52-5 (Eng. Abstr.) **(Rus)**

[Bilateral facial pain in lesions of the trigeminal nerve system (review)] Grechko VE, et al. **Zh Nevropatol Psikhiatr** 1985; 85(9):1411-7 (64 ref.) **(Rus)**

DRUG THERAPY

Problems with retrogasserian glycerol in the treatment of trigeminal neuralgia. Sweet WH, et al. **Appl Neurophysiol** 1985;48(1-6):252-7

Trigeminal cistern glycerol injections for facial pain. Waltz TA, et al. **Headache** 1985 Oct;25(7):354-7

Peripheral streptomycin/lidocaine injections in the treatment of idiopathic trigeminal neuralgia. A preliminary report. Sokolović M, et al. **J Maxillofac Surg** 1986 Feb;14(1):8-9

The effect of glycerol on autotomy. An experimental model of neuralgia pain. Rappaport ZH, et al. **Pain** 1986 Jul; 26(1):85-91

Medical treatment of trigeminal neuralgia and cluster headache. Green MW. **Psychosomatics** 1985 Dec;26(12 Suppl):19-23

[Conservative analgesic methods (letter)] **Orv Hetil** 1985 Jul 14;126(28):1755 **(Hun)**

ETIOLOGY

Ischemic ("diabetic") cavernous sinus syndrome.Kosmorsky GS, et al. **J Clin Neuro Ophthalmol** 1986 Jun;6(2):96-9

Basilar artery ectasia: an unusual cause of trigeminal neuralgia. Lye RH. **J Neurol Neurosurg Psychiatry** 1986 Jan;49(1):22-8

Intracranial tumors in patients with facial pain. Bullitt E, et al. **J Neurosurg** 1986 Jun;64(6):865-71

Epidermoid tumour of the cerebellopontine angle as a cause of trigeminal neuralgia. Rappaport ZH. **Neurochirurgia (Stuttg)** 1985 Sep;28(5):211-2

Pulp calcification as a possible factor in trigeminal neuralgia: a case report. Amler MH. **NY State Dent J** 1986 Jan; 52(1):32-3

Computerized tomography and Trotter's syndrome in the diagnosis of maxillofacial pain. Flynn TR, et al. **Oral Surg Oral Med Oral Pathol** 1986 May;61(5):440–7

Trigeminal neuralgia and hemifacial spasm caused by a tortuous vertebrobasilar system. Takamiya Y, et al. **Surg Neurol** 1985 Nov;24(5):559–62

[Sarcoidosis disclosed by trigeminal neuralgia (letter)] Mercier B, et al. **Presse Med** 1986 Apr 5;15(14):666–7 (Fre)

[Trigeminal involvement following preventive influenza vaccination] Demmler M, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1985 Jul;37(7):428–33 (Eng. Abstr.) (Ger)

[Causative relationship between cranial base deformities and trigeminal neuralgia] Wegrzyn ZM. **Neurol Neurochir Pol** 1985 Jul–Aug;19(4):354–7 (Eng. Abstr.) (Pol)

[Lesions of the peripheral nervous system and muscles in diabetes mellitus] Skorometa AA, et al. **Sov Med** 1986; (4):106–8 (Rus)

[Odontogenic trigeminal neuralgia] Grechko VE, et al. **Stomatologiia (Mosk)** 1985 Sep–Oct;64(5):82–4 (66 ref.) (Rus)

[Clinical picture and treatment of odontogenic lesions of the trigeminal nerve system] Puzin MN, et al. **Zh Nevropatol Psikhiatr** 1985;85(8):1171–6 (Eng. Abstr.) (Rus)

[Trigeminal neuralgia and neurinoma of the contralateral acoustic nerve (letter)] Marco Igual M, et al. **Med Clin (Barc)** 1985 Nov 2;85(14):601 (Spa)

FAMILIAL & GENETIC

Familial trigeminal neuralgia. Braga FM, et al. **Surg Neurol** 1986 Oct;26(4):405–8

HISTORY

The history of the development of treatment for trigeminal neuralgia. Sweet WH. **Clin Neurosurg** 1985;32:294–318

PHYSIOPATHOLOGY

Sequential trigeminal sensory neuropathy. Kruger M, et al. **Acta Neurol Belg** 1985 Aug–Oct;85(4):197–201

An experimental model of deafferented pain in the cat. Namba S, et al. **Appl Neurophysiol** 1985;48(1–6):201–11

Evoked potentials in trigeminal neuralgia associated with multiple sclerosis. Iragui VJ, et al. **Arch Neurol** 1986 May; 43(5):444–6

Pain, anxiety, and contingent negative variation: a clinical and pharmacological study. Rizzo PA, et al. **Biol Psychiatry** 1985 Dec;20(12):1297–302

Pathophysiology of the pain of trigeminal neuralgia and atypical facial pain: a neuroanatomical perspective. Keller JT, et al. **Clin Neurosurg** 1985;32:275–93 (81 ref.)

Intracranial stimulation of the trigeminal nerve in man. I. Direct motor responses. Cruccu G. **J Neurol Neurosurg Psychiatry** 1986 Apr;49(4):411–8

Intracranial stimulation of the trigeminal nerve in man. II. Reflex responses. Cruccu G, et al. **J Neurol Neurosurg Psychiatry** 1986 Apr;49(4):419–27

[Cerebral hemodynamics in trigeminal neuralgia] Macheret EL, et al. **Vrach Delo** 1986 Apr;(4):80–2 (Eng. Abstr.) (Rus)

RADIOGRAPHY

Arterial compression of the fifth cranial nerve causing trigeminal neuralgia: angiographic findings. de Lange EE, et al. **Radiology** 1986 Mar;158(3):721–7

[Usefulness of computerized axial tomography in symptomatic trigeminal neuralgia] Rabbia C, et al. **Minerva Stomatol** 1985 Nov–Dec;34(6):891–7 (Eng. Abstr.) (Ita)

SURGERY

How does vascular decompression surgery improve trigeminal neuralgia? [letter] Tenser RB. **Ann Neurol** 1986 May;19(5):514

Effectiveness of radiofrequency thermocoagulation in recurrent trigeminal neuralgia after previous retrogasserian rhizotomy. Kanpolat Y, et al. **Appl Neurophysiol** 1985; 48(1–6):258–61

A method for bulbospinal trigeminal nucleotomy in the treatment of facial deafferentation pain. Siqueira JM. **Appl Neurophysiol** 1985;48(1–6):277–80

Management of the failed patient with trigeminal neuralgia. Jannetta PJ, et al. **Clin Neurosurg** 1985;32:334–47 (18 ref.)

Choice of surgical therapeutic modalities for treatment of trigeminal neuralgia: microvascular decompression, percutaneous retrogasserian thermal, or glycerol rhizotomy. Lunsford LD, et al. **Clin Neurosurg** 1985; 32:319–33 (26 ref.)

Neurosurgical procedures for nonmalignant pain. Dubuisson D, et al. **Hosp Pract [Off]** 1986 Jan 15;21(1):118M–118N, 118P, 118S–118T passim

Intracranial microvascular decompression for "cryptogenic" hemifacial spasm, trigeminal and glossopharyngeal neuralgia, paroxysmal vertigo and tinnitus: I. Surgical technique and results. Calbucci F, et al. **Ital J Neurol Sci** 1986 Jun;7(3):359–66

Intracranial microvascular decompression for "cryptogenic" hemifacial spasm, trigeminal and glossopharyngeal neuralgia, paroxysmal vertigo and tinnitus: II. Clinical study and long-term follow up. Michelucci R, et al. **Ital J Neurol Sci** 1986 Jun;7(3):367–74

Microvascular decompression for trigeminal neuralgia. Kanoff RB. **J Am Osteopath Assoc** 1985 Jul;85(7):458–61

Cryotherapy in the management of paroxysmal trigeminal neuralgia. Four year follow up of 39 patients. Zakrzewska JM, et al. **J Maxillofac Surg** 1986 Feb;14(1):5–7

Controlled thermocoagulation in trigeminal neuralgia. Mittal B, et al. **J Neurol Neurosurg Psychiatry** 1986 Aug; 49(8):932–6

Percutaneous retrogasserian glycerol rhizotomy for trigeminal neuralgia. A prospective study of 100 cases. Arias MJ. **J Neurosurg** 1986 Jul;65(1):32–6

Percutaneous retrogasserian glycerol rhizotomy for treatment of trigeminal neuralgia. Beck DW, et al. **J Neurosurg** 1986 Jul;65(1):28–31

Clip-grafts in microvascular decompression of the posterior fossa. Technical note. Laws ER Jr, et al. **J Neurosurg** 1986 Apr;64(4):679–81

Surgical management of trigeminal pain with radiofrequency lesions of peripheral nerves. Gregg JM, et al. **J Oral Maxillofac Surg** 1986 Feb;44(2):122–5

How does vascular decompression surgery improve trigeminal neuralgia? [letter] Tenser RB. **Ann Neurol** 1986 May;19(5):514

Prognostic factors in microvascular decompression for trigeminal neuralgia. Szapiro J Jr, et al. **Neurosurgery** 1985 Dec;17(6):920–9

Tensor tympani and masseter muscle synkinesis. Lusk R, et al. **Otolaryngol Head Neck Surg** 1985 Aug;93(4):555–8

Surgical treatment of trigeminal neuralgia and cluster headache. Apfelbaum RI. **Psychosomatics** 1985 Dec;26(12 Suppl):24–9

Gasserian ganglionolysis: a treatment of trigeminal neuralgia. Hughes NJ. **Radiography** 1985 Jul–Aug;51(598):215–9

Successful trigeminal thermocoagulation for paroxysmal trigeminal neuralgia in a patient with severe haemophilia. Pettigrew A, et al. **Scott Med J** 1985 Jul;30(3):176–7

[Microsurgical treatment of trigeminal neuralgia. Results and prognostic factors of microsurgical vascular decompression] Szapiro J Jr, et al. **Neurochirurgie** 1986; 32(2):103–21 (Eng. Abstr.) (Fre)

[Surgical treatment of trigeminal neuralgia] Menzel J. **Dtsch Med Wochenschr** 1986 Aug 15;111(33):1247–50 (Ger)

[Neuralgias in the area of the head and neck from the neurosurgical viewpoint] Penzholz H. **HNO** 1986 Feb; 34(2):56–60 (Ger)

[Intra- and perioperative acoustic evoked brain stem potentials in cerebellopontile angle operations] Schramm J, et al. **HNO** 1985 Nov;33(11):495–8 (Eng. Abstr.) (Ger)

[Partial vertical nucleotomy as a modification of tractotomy of the trigeminal nerve] Grunert V, et al. **Neurochirurgia (Stuttg)** 1986 Jul;29(4):109–10 (Eng. Abstr.) (Ger)

[Partial vertical nucleotomy. A neurosurgical intervention in some forms of therapy-resistant facial neuralgia] Fischer J. **Zentralbl Neurochir** 1985;46(3):195–217 (Eng. Abstr.) (Ger)

[Experiences with the Janetta operation in patients with trigeminal neuralgia] Goldhahn WE. **Zentralbl Neurochir** 1985;46(3):233–42 (Eng. Abstr.) (Ger)

[Posterior fossa microvascular decompression for hemifacial spasm and trigeminal neuralgia—some improvements on operative devices and technique] Hongo K, et al. **No Shinkei Geka** 1985 Dec;13(12):1291–6 (Eng. Abstr.) (Jpn)

[Importance of intraoperative monitoring of ABR and compound action potential of the eighth cranial nerve during microvascular decompression surgery] Nishihara K, et al. **No Shinkei Geka** 1986 Mar;14(4):509–18 (Eng. Abstr.) (Jpn)

[Late results of peripheral neurectomy in the treatment of trigeminal neuralgia] Bagatin M, et al. **Lijec Vjesn** 1984 Jul–Aug;106(7–8):306–7 (Eng. Abstr.) (Ser)

THERAPY

Therapeutic protocol in the treatment of trigeminal neuralgia. Esposito S, et al. **Appl Neurophysiol** 1985;48(1–6):271–3

Trigeminal neurotrophic ulceration—a report of four patients. Walton S, et al. **Clin Exp Dermatol** 1985 Sep; 10(5):485–90

The treatment of trigeminal neuralgia (tic douloureux). Sweet WH. **N Engl J Med** 1986 Jul 17;315(3):174–7 (25 ref.)

Postural syncope and trigeminal neuralgia relieved by percutaneous rhizotomy with glycerol. Arias MJ. **Neurosurgery** 1985 Nov;17(5):826–8

[Effects of catgut embedding therapy in treating primary trigeminal neuralgia] Zhu KN. **Chung Hsi I Chieh Ho Tsa Chih** 1985 Oct;5(10):609–11, 580 (Eng. Abstr.) (Chi)

[Current developments in the treatment of essential trigeminal neuralgia] Bucci E, et al. **Minerva Stomatol** 1985 Jul–Aug; 34(4):637–43 (31 ref.) (Eng. Abstr.) (Ita)

[Percutaneous microcompression of the gasserian ganglion. New treatment for trigeminal neuralgia] Fiume D, et al. **Riv Neurol** 1985 Nov–Dec;55(6):387–91 (Eng. Abstr.) (Ita)

[Comparison of percutaneous gasserian-ganglion glycerol injection and microvascular decompression for the management of trigeminal neuralgia] Hamada S, et al. **Masui** 1985 Dec;34(12):1668–72 (Eng. Abstr.) (Jpn)

[The treatment of postherpetic neuralgia by electric stimulation of the Gasserian ganglion] Iida H, et al. **Masui** 1986 Jan;35(1):139–42 (Eng. Abstr.) (Jpn)

[Reflexotherapy in neuralgias of the trigeminal nerve] Grechko VE, et al. **Zh Nevropatol Psikhiatr** 1986; 86(4):515–8 (Eng. Abstr.) (Rus)

TRIGEMINAL NUCLEI

ANALYSIS

The effect of sympathectomy on calcitonin gene-related peptide levels in the rat trigeminovascular system. Schon F, et al. **Brain Res** 1985 Nov 25;348(1):197–200

ANATOMY & HISTOLOGY

Toxic ricin demonstrates a dual dental projection. Johnson LR, et al. **Brain Res** 1985 Oct 21;345(2):379–83

The distribution of muscle primary afferents from the masseter nerve to the trigeminal sensory nuclei. Nishimori T, et al. **Brain Res** 1986 May 7;372(2):375–81

Transganglionic transport of wheat germ agglutinin–HRP and choleragenoid–HRP in rat trigeminal primary sensory neurons. Robertson B, et al. **Brain Res** 1985 Nov 25; 348(1):44–51

Projections of the rat trigeminal sensory nuclear complex demonstrated by multiple fluorescent dye retrograde transport. Silverman JD, et al. **Brain Res** 1985 Dec 30; 361(1–2):383–8

The organization of the neonatal rat's brainstem trigeminal complex and its role in the formation of central trigeminal patterns. Bates CA, et al. **J Comp Neurol** 1985 Oct 15; 240(3):265–87

Primary sensory ganglion cells projecting to the principal trigeminal nucleus in the mallard, Anas platyrhynchos. Kishida R, et al. **J Comp Neurol** 1985 Oct 8;240(2):171–9

Trigeminotectal and other trigeminofugal projections in neonatal kittens: an anatomical demonstration with horseradish peroxidase and tritiated leucine. McHaffie JG, et al. **J Comp Neurol** 1986 Jul 15;249(3):411–27

Oral and facial representation in the trigeminal principal and rostral spinal nuclei of the cat. Shigenaga Y, et al. **J Comp Neurol** 1986 Feb 1;244(1):1–18

Cerebral cortical projections to the reticular regions around the trigeminal motor nucleus in the cat. Yasui Y, et al. **J Comp Neurol** 1985 Nov 15;241(3):348–56

Noradrenergic hyperinnervation of the motor trigeminal nucleus: alterations in membrane properties and responses to synaptic input. Vornov JJ, et al. **J Neurosci** 1986 Jan; 6(1):30–7

Dual efferent projections of the trigeminal principal sensory nucleus to the thalamic ventroposteromedial nucleus in the squirrel monkey. Ganchrow D, et al. **Neurosci Lett** 1986 Jul 24;68(2):181–6

Primary afferent fibers in the glossopharyngeal nerve terminate in the dorsal division of the principal sensory trigeminal nucleus: an HRP study in the cat. Mizuno N, et al. **Neurosci Lett** 1986 May 23;66(3):338–40

The dorsomedial portion of trigeminal nucleus oralis (Vo) in the rat: cytology and projections to the cerebellum. Falls WM, et al. **Somatosens Res** 1985;3(2):89–118

CYTOLOGY

Representation of upper and lower primary teeth in the trigeminal sensory nuclear complex in the young dog. Ishidori H, et al. **Brain Res** 1986 Apr 2;370(1):153–8

The morphology of trigeminal nociceptive neurons in the caudal bulbar lateral reticular formation of the cat. Nishikawa N, et al. **Brain Res** 1985 Nov 11;347(1):166–8

Modulatory influences of red nucleus stimulation on the somatosensory responses of cat trigeminal subnucleus oralis neurons. Davis KD, et al. **Exp Neurol** 1986 Jan;91(1):80–101

Mesencephalic trigeminal sensory neurons of cat: axon pathways and structure of mechanoreceptive endings in periodontal ligament. Byers MR, et al. **J Comp Neurol** 1986 Aug 8;250(2):181–91

Morphology and synaptic connections of myelinated primary axons in the ventrolateral region of rat trigeminal nucleus oralis. Falls WM. **J Comp Neurol** 1986 Feb 1;244(1):96–110

Trigeminal mesencephalic neurons innervating functionally identified muscle spindles and involved in the monosynaptic stretch reflex of the lateral pterygoid muscle of the guinea pig. Nozaki S, et al. **J Comp Neurol** 1985 Jun 1;236(1):106–20

EMBRYOLOGY

The influence of target tissue age on neurite outgrowth from chick embryo trigeminal motor nucleus explants. Heaton MB, et al. **Dev Biol** 1986 Aug;116(2):314–8

ENZYMOLOGY

On the innervation of trigeminal mesencephalic primary

afferent neurons by adenosine deaminase-containing projections from the hypothalamus in the rat. Nagy JI, et al. **Neuroscience** 1986;17(1):141–56

GROWTH & DEVELOPMENT

The role of the principal sensory nucleus in central trigeminal pattern formation. Killackey HP, et al. **Brain Res** 1985 Sep; 354(1):141–5

Specific responsiveness of chick trigeminal motor nucleus explants to target-conditioned media. Heaton MB, et al. **J Comp Neurol** 1986 Jan 15;243(3):381–7

[Quantitative morphologic characteristics of neurons of the sensory nuclei of the trigeminal nerve developing after partial deafferentation] Gladkovich NG, et al. **Neiroftziologiia** 1985;17(4):522–30 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Mapping of the normal distribution of substance P-like immunoreactivity in the spinal trigeminal nucleus of the cat. Drew JP, et al. **Exp Neurol** 1986 Jul;93(1):168–79

PATHOLOGY

Herpes zoster ophthalmicus and the mesencephalic nucleus. A neuropathological study. Reske-Nielsen E, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1986 Jul; 94(4):263–9

PHYSIOLOGY

Tooth pulp evoked potentials in trigeminal nuclei and parabrachial region of the freely moving rat. Rehnig HP, et al. **Biomed Biochim Acta** 1986;45(4):485–9

Response of brainstem trigeminal neurons to electrical stimulation of the dura. Strassman A, et al. **Brain Res** 1986 Aug 6;379(2):242–50

Morphology, response properties, and collateral projections of trigeminothalamic neurons in brainstem subnucleus interpolaris of rat. Jacquin MF, et al. **Exp Brain Res** 1986; 61(3):457–68

Structure-function relationships in rat brainstem subnucleus interpolaris. I. Vibrissa primary afferents. Jacquin MF, et al. **J Comp Neurol** 1986 Jan 8;243(2):266–79

Structure-function relationships in rat medullary and cervical dorsal horns. I. Trigeminal primary afferents. Jacquin MF, et al. **J Neurophysiol** 1986 Jun;55(6):1153–86

Modulation of transmission in rostral trigeminal sensory nuclei during chewing. Olsson KA, et al. **J Neurophysiol** 1986 Jan;55(1):56–75

Structure-function relationships in rat medullary and cervical dorsal horns. II. Medullary dorsal horn cells. Renehan WE, et al. **J Neurophysiol** 1986 Jun;55(6):1187–201

Trigeminal nerve branches containing primary afferent fibers to the dorsal division of the principal sensory trigeminal nucleus: a transganglionic horseradish peroxidase study in the cat. Nomura S, et al. **Neurosci Lett** 1986 May 15; 66(2):221–5

Observations on facial nociception in a monkey after destruction of the rostral part of the trigeminal sensory nuclear complex [letter] Young RF. **Pain** 1985 Oct; 23(2):204–6

[Effect of the destruction of the oral and caudal trigeminal nuclei on pain sensitivity in cats] Reshetniak VK, et al. **Biull Eksp Biol Med** 1986 Aug;102(8):134–6 (Eng. Abstr.) **(Rus)**

[Modulating influence of the 2d somatosensory cortex of the cerebral cortex on the effects of electroacupuncture on the trigeminal nuclei] Reshetniak VK, et al. **Biull Eksp Biol Med** 1985 Sep;100(9):264–5 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Influence of changes of tooth temperature on reflex and central activity evoked by stimulation of tooth pulp afferents. Rydenhag B, et al. **Brain Res** 1986 Mar 5; 367(1–2):337–40

Activation of trigeminal brain-stem nociceptive neurons by dural artery stimulation. Davis KD, et al. **Pain** 1986 Jun; 25(3):395–401

SURGERY

[Partial vertical nucleotomy. A neurosurgical intervention in some forms of therapy-resistant facial neuralgia] Fischer J. **Zentralbl Neurochir** 1985;46(3):195–217 (Eng. Abstr.) **(Ger)**

TRIGEMINAL NUCLEUS, SPINAL

ANALYSIS

Sources of the catecholaminergic innervation of the trigeminal nucleus caudalis in cat. Stevens RT, et al. **Exp Neurol** 1985 Oct;90(1):215–23

ANATOMY & HISTOLOGY

Bulbospinal projections in the primate: a light and electron microscopic study of a pain modulating system. Basbaum AI, et al. **J Comp Neurol** 1986 Aug 15;250(3):311–23

Spinal and trigeminal dorsal horn projections to the parabrachial nucleus in the rat. Cechetto DF, et al. **J Comp Neurol** 1985 Oct 8;240(2):153–60

The trigemino-olivary projection in the cat: contributions of individual subnuclei. Huerta MF, et al. **J Comp Neurol** 1985 Nov 8;241(2):180–90

Oral and facial representation within the medullary and upper cervical dorsal horns in the cat. Shigenaga Y, et al. **J Comp Neurol** 1986 Jan 15;243(3):388–408

Anatomical evidence that the pontine lateral tegmental field projects to lamina I of the caudal spinal trigeminal nucleus and spinal cord and to the Edinger-Westphal nucleus in the cat. Tan J, et al. **Neurosci Lett** 1986 Mar 14;64(3):317–22

CYTOLOGY

Morphology of terminations of small and large myelinated trigeminal primary afferent fibers in the cat. Hayashi H. **J Comp Neurol** 1985 Oct 1;240(1):71–89

Sympathetic modulation of cold-receptive neurones in the trigeminal system of the rat. Davies SN. **J Physiol (Lond)** 1985 Sep;366:315–29

EMBRYOLOGY

The development of the trigeminal (V) motor nucleus in normal and tubocurare treated chick embryos. Arens M, et al. **Anat Embryol (Berl)** 1986;174(1):67–72

IMMUNOLOGY

Loss of substance P immunoreactivity in the nucleus of the spinal trigeminal tract after intradural tumour compression of the trigeminal nerve. Pioro EP, et al. **Neurosci Lett** 1985 Jul 4;58(1):7–12

METABOLISM

Two distinct calcitonin gene-related peptide-containing peripheral nervous systems: distribution and quantitative differences between the iris and cerebral artery with special reference to substance P. Matsuyama T, et al. **Brain Res** 1986 May 14;373(1–2):205–12

Substance P-containing trigeminal sensory neurons project to the nucleus of the solitary tract. South EH, et al. **Brain Res** 1986 May 7;372(2):283–9

Co-localization of fixative-modified glutamate and glutaminase in neurons of the spinal trigeminal nucleus of the rat: an immunohistochemical and immunoradiochemical analysis. Magnusson KR, et al. **J Comp Neurol** 1986 May 22;247(4):477–90

Opioid peptide immunoreactivity in spinal and trigeminal dorsal horn neurons projecting to the parabrachial nucleus in the rat. Standaert DG, et al. **J Neurosci** 1986 May; 6(5):1220–6

PATHOLOGY

Transganglionic degeneration in vibrissae innervating primary sensory neurons of the rat: a light and electron microscopic study. Arvidsson J. **J Comp Neurol** 1986 Jul 15;249(3):392–403

PHYSIOLOGY

Supraspinal inhibition of trigeminal input into subnucleus caudalis by dorsal column stimulation. Atweh SF, et al. **Brain Res** 1985 Dec 2;348(2):401–4

Neuronal activities in ventrobasal complex of thalamus and in trigeminal main sensory nucleus during EEG desynchronization in anesthetized rats. Kanosue K, et al. **Brain Res** 1986 Jul 30;379(1):90–7

Inhibition of dorsal column nuclei by stimulation of trigeminal afferents in decerebrate-decerebellate cats. Saadé NE, et al. **Brain Res** 1985 Dec 2;348(2):405–7

Beta-receptor involvement in locus coeruleus-induced inhibition of spinal trigeminal nucleus neurons: microiontophoretic and HRP studies. Sasa M, et al. **Brain Res** 1986 Jul 9;377(2):337–43

Responses of neurons in feline trigeminal subnucleus caudalis (medullary dorsal horn) to cutaneous, intraoral, and muscle afferent stimuli. Amano N, et al. **J Neurophysiol** 1986 Feb; 55(2):227–43

Effects of superfusion of morphine and enkephalins on the activity of single units in the spinal trigeminal nucleus and cuneate nucleus of cat. Wong CL, et al. **Methods Find Exp Clin Pharmacol** 1986 Jun;8(6):351–5

[Effect of the destruction of the oral and caudal trigeminal nuclei on pain sensitivity in cats] Reshetniak VK, et al. **Biull Eksp Biol Med** 1986 Aug;102(8):134–6 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

An experimental model of deafferented pain in the cat. Namba S, et al. **Appl Neurophysiol** 1985;48(1–6):201–11

SURGERY

A method for bulbospinal trigeminal nucleotomy in the treatment of facial deafferentation pain. Siqueira JM. **Appl Neurophysiol** 1985;48(1–6):277–80

[Partial vertical nucleotomy as a modification of tractotomy of the trigeminal nerve] Grunert V, et al. **Neurochirurgia (Stuttg)** 1986 Jul;29(4):109–10 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

A morphometric study of the effects of maturation and aging on synaptic patterns in the spinal trigeminal nucleus of the cat. Westrum LE, et al. **Brain Res** 1985 Oct 14;345(1):25–33

TRIGGER POINTS, MYOFASCIAL see **MYOFASCIAL PAIN SYNDROMES**

TRIGLYCERIDE LIPASE see **LIPASE**

TRIGLYCERIDES

Detection by high pressure infrared spectrometry of hydrogen-bonding between water and triacetyl glycerol. Mushayakarara EC, et al. **Biochem Biophys Res Commun** 1986 Jan 14;134(1):140–5

Structure and polymorphism of 1,2-dioleoyl-3-acyl-sn-glycerols. Three- and six-layered structures. Fahey DA, et al. **Biochemistry** 1985 Jul 2; 24(14):3757–64

Viscosities of some triglycerides and ethylester of fatty acids frequently found in cell membranes—a possible effect of viscosity of fatty acids in phospholipids on hemorheology. Hamazaki T, et al. **Biorheology** 1985;22(3):221–6

Phase behaviour of a diglyceride prodrug: spontaneous formation of unilamellar vesicles. Mantelli S, et al. **Chem Phys Lipids** 1985 Aug 15;37(4):329–43

Assignment of methylene proton resonances in NMR spectra of embryonic and transformed cells to plasma membrane triglyceride. May GL, et al. **J Biol Chem** 1986 Mar 5; 261(7):3048–53

Experience with semi-elemental formula (Alfare). Walker-Smith JA. **J Singapore Paediatr Soc** 1985;27 Suppl 2:63–70

Aversion of the cat to dietary medium-chain triglycerides and caprylic acid. MacDonald ML, et al. **Physiol Behav** 1985 Sep;35(3):371–5

ADMINISTRATION & DOSAGE

The triglyceride issue: a view from Framingham. Castelli WP. **Am Heart J** 1986 Aug;112(2):432–7

Therapeutic effects of a ketogenic diet in Rett syndrome. Haas RH, et al. **Am J Med Genet** 1986;24 Suppl 1:225–46

Comparison of glucose, LCT, and LCT plus MCT as calorie sources for parenterally nourished septic rats. Stein TP, et al. **Am J Physiol** 1986 Mar;250(3 Pt 1):E312–8

Dicarboxylic aciduria and medium chain triglyceride supplemented milk. Henderson MJ, et al. **Arch Dis Child** 1986 Jun;61(6):610–1

Evaluation of a special low birth weight formula, with and without the use of medium chain triacylglycerols. Spencer SA, et al. **Early Hum Dev** 1986 Feb;13(1):87–95

Energy balance in low birth weight infants fed formula of high or low medium-chain triglyceride content. Whyte RK, et al. **J Pediatr** 1986 Jun;108(6):964–71

A new intravenous emulsion containing medium-chain triglyceride: studies of its metabolic effects in the perioperative period compared with a conventional long-chain triglyceride emulsion. Crowe PJ, et al. **JPEN J Parenter Enteral Nutr** 1985 Nov-Dec;9(6):720–4

Excretion of dicarboxylic and omega-1 hydroxy fatty acids by low birth weight infants fed with medium-chain triglycerides. Whyte RK, et al. **Pediatr Res** 1986 Feb; 20(2):122–5

Medium-chain triglycerides in infant formulas and their relation to plasma ketone body concentrations. Wu PY, et al. **Pediatr Res** 1986 Apr;20(4):338–41

Supplementation with human milk protein improves growth of small premature infants fed human milk. Rönnholm KA, et al. **Pediatrics** 1986 May;77(5):649–53

Medium-chain triglycerides (MCT) for total parenteral nutrition. Wolfram G. **World J Surg** 1986 Feb;10(1):33–7 (23 ref.)

ANALYSIS

Changes in plasma lipoproteins from first day to third week of life in healthy breast-fed infants. II. Fatty acid composition of lipoprotein triglyceride- and cholesterol esters. Kirstein D, et al. **Acta Paediatr Scand** 1985 Sep; 74(5):738–40

Triacylglycerol content of arachidonic acid varies inversely with total triacylglycerol in liver and plasma. Cunnane SC, et al. **Biochim Biophys Acta** 1986 Mar 21;876(1):183–6

Assay of parabens released from soft gelatin capsules to triglycerides of fatty acids by means of HPLC. Facchini G, et al. **Boll Chim Farm** 1985 Jul;124(7):340–4

Value of ascitic lipids in the differentiation between cirrhotic and malignant ascites. Jüngst D, et al. **Hepatology** 1986 Mar-Apr;6(2):239–43

Evaluation of cholesterol and triglyceride concentrations in differentiating chylous and nonchylous pleural effusions in dogs and cats. Fossum TW, et al. **J Am Vet Med Assoc** 1986 Jan 1;188(1):49–51

Free fatty acids and fatty acids of triacylglycerols in normal and hyperkeratotic human stratum corneum. Nicollier M, et al. **J Invest Dermatol** 1986 Jul;87(1):68–71

Comparative study of the molecular species of chloropropanediol diesters and triacylglycerols in milk fat. Kuksis A, et al. **Lipids** 1986 Mar;21(3):183–90

Brown adipose tissue triacylglycerol fatty acids of obese and lean mice: in situ and in transplants. Roberts JL, et al. **Lipids** 1986 Mar;21(3):195–201

[Applicability of densitometry procedures to the study of

polymorphic transformation of triglyceride suppository size] Hüttenrauch R, et al. **Pharmazie** 1985 Aug;40(8):582–3 (Ger)

[Polyunsaturated fatty acids and medium C-chain triglycerides in lipid dynamics] Caponnetto A, et al. **Boll Soc Ital Biol Sper** 1986 Feb 28;62(2):233–40 (Eng. Abstr.) (Ita)

[Experimental evaluation of the variations of glycogen, total lipids, triglycerides and water levels in the myocardium subjected to anoxic hypothermic arrest] Dias AR, et al. **Arq Bras Cardiol** 1985 Dec;45(6):421–3 (Eng. Abstr.) (Por)

[Severity of coronary and peripheral arteriosclerosis in relation to the triglyceride and cholesterol content of lipoproteins] Jara J, et al. **Rev Clin Esp** 1985 Jun;177(2):70–4 (Eng. Abstr.) (Spa)

BIOSYNTHESIS

Requirements of glycerol and fatty acid for triglyceride synthesis and ketogenesis by hepatocytes from normal and triiodothyronine-treated rats. Olubadewo JO, et al. **Biochem Biophys Res Commun** 1985 Nov 15;132(3):1001–7

Effects of dexamethasone and insulin on the synthesis of triacylglycerols and phosphatidylcholine and the secretion of very-low-density lipoproteins and lysophosphatidylcholine by monolayer cultures of rat hepatocytes. Mangiapane EH, et al. **Biochem J** 1986 Jan 1;233(1):151–60

The interconversion of diacylglycerol and phosphatidylcholine during triacylglycerol production in microsomal preparations of developing cotyledons of safflower (Carthamus tinctorius L.). Stobart AK, et al. **Biochem J** 1985 Nov 15;232(1):217–21

Effects of an antitumoural rhodium complex on thioacetamide-induced liver tumor in rats. Changes in the activities of ornithine decarboxylase, tyrosine aminotransferase and of enzymes involved in fatty acid and glycerolipid synthesis. Cascales C, et al. **Biochem Pharmacol** 1986 Aug 15;35(16):2655–61

Secretion of lipoprotein lipid and synthesis of fatty acids, cholesterol and triacylglycerol by hepatocytes of fasted-refed rats. Kempen HJ, et al. **Biochim Biophys Acta** 1986 May 21;876(3):494–9

Relationship between the displacement of phosphatidate phosphohydrolase from the membrane-associated compartment by chlorpromazine and the inhibition of the synthesis of triacylglycerol and phosphatidylcholine in rat hepatocytes. Martin A, et al. **Biochim Biophys Acta** 1986 May 21;876(3):581–91

Mode of biosynthesis of triglycerides in acylated secondary alcoholic hydroxy acid fats. Kartha AR, et al. **Indian J Biochem Biophys** 1984 Dec;21(6):394–6

Fat absorption and triglyceride synthesis and secretion by cultured human intestinal mucosa. Zimmerman J, et al. **Isr J Med Sci** 1985 Dec;21(12):962–7

Differential effects of alanine on ketogenesis and triacylglycerol formation by isolated perfused livers from euthyroid and hyperthyroid rats. Olubadewo JO, et al. **Metabolism** 1985 Dec;34(12):1139–45

Reduced triglyceride formation from long-chain polyenoic fatty acids in rat hepatocytes. Wong S, et al. **Metabolism** 1985 Oct;34(10):900–5

Comparison of the effect of trihalomethanes on lipid metabolism in rat liver slice. Koyama Y, et al. **Toxicol Lett** 1986 Apr;31(1):37–44

[Effect of ethanol on the biosynthesis of major components of triacylglycerols and phospholipids in the rat liver] Titov VN, et al. **Vopr Med Khim** 1986 Jan–Feb;32(1):49–55 (Eng. Abstr.) (Rus)

BLOOD

Time course of the effect of streptozotocin on serum concentration of glucose and triglycerides and on hepatic drug metabolism in the male rat. MacFarlane M, et al. **Acta Endocrinol (Copenh)** 1986 Jun;112(2):300–4

Previous exercise nullifies the plasma triacylglycerol response to repeated fructose ingestion in young men. Hostmark AT, et al. **Acta Physiol Scand** 1985 Nov;125(3):553–4

Relationship between lipid and purine metabolism: the behavior of fatty acids in plasma triglycerides of gouty patients. Marinello E, et al. **Adv Exp Med Biol** 1986;195 Pt A:313–6

The effect of age on the relationship between plasma elastase and ingested lipid. Hall DA. **Age Ageing** 1985 Sep; 14(5):264–70

The effects of acute hypertriglyceridemia and high levels of free fatty acids on left ventricular function. Pacold I, et al. **Am Heart J** 1985 Oct;110(4):836–40

Effects of guanfacine on growth hormone, prolactin, renin, lipoproteins and glucose in essential hypertension. Hauger-Klevene JH, et al. **Am J Cardiol** 1986 Mar 28; 57(9):27E–31E

Hypertriglyceridemia and carbohydrate intolerance: interrelations and therapeutic implications. Steiner G. **Am J Cardiol** 1986 May 30;57(14):27G–30G (40 ref.)

Effect of beef fat on plasma lipid and lipoprotein values [letter] Geliebter A, et al. **Am J Clin Nutr** 1986 Apr; 43(4):639–42

Plasma lipids and apolipoprotein A-I and A-II levels in alcoholic patients. Hurt RD, et al. **Am J Clin Nutr** 1986 Apr;43(4):521–9

Unreliability of GUT score as predictor of CAD [letter] Signori D, et al. **Am J Clin Pathol** 1986 Feb;85(2):256

Is the level of serum triglyceride a significant predictor of coronary death in "normocholesterolemic" subjects? The Paris Prospective Study. Cambien F, et al. **Am J Epidemiol** 1986 Oct;124(4):624–32

Cholesterol, high density lipoprotein cholesterol and triglycerides during puberty: the Oslo Youth Study. Tell GS, et al. **Am J Epidemiol** 1985 Nov;122(5):750–61

Univariate and bivariate analyses of cholesterol and triglyceride levels in pedigrees. Boehnke M, et al. **Am J Med Genet** 1986 Mar;23(3):775–92

Correction by insulin of disturbed TG-rich LP metabolism in rats with chronic renal failure. Roullet JB, et al. **Am J Physiol** 1986 Apr;250(4 Pt 1):E373–6

Thiazides do not cause long-term increases in serum lipid concentrations [letter] Burris JF, et al. **Arch Intern Med** 1985 Dec;145(12):2264, 2266

Effect of hyperlipidemia on glycosylated hemoglobin determinations by affinity chromatography [letter] van Heyningen C. **Arch Intern Med** 1986 Jan;146(1):203, 207

Decrease of cholesterol and triglycerides serum levels by metoclopramide and by sennosides. Frati AC, et al. **Arch Invest Med (Mex)** 1985 Jul–Sep;16(3):261–7 (Eng, Spa)

Hypertriglyceridemia and lipid inclusions in a case of Philadelphia chromosome-positive, acute nonlymphocytic leukemia. Dodds R, et al. **Arch Pathol Lab Med** 1986 Feb; 110(2):159–61

Increased lipid transfer activities in hyperlipidemic rabbit plasma. Son YS, et al. **Arteriosclerosis** 1986 May-Jun; 6(3):345–51

Plasma lipoproteins, apolipoproteins, and triglyceride metabolism in familial hypertriglyceridemia. Stalenhoef AF, et al. **Arteriosclerosis** 1986 Jul-Aug;6(4):387–94

Capsaicin lowers plasma cholesterol and triglycerides of lagomorphs. Negulesco JA, et al. **Artery** 1985;12(5):301–11

The fibrinolytic system and coagulation during bezafibrate treatment of hypertriglyceridemia. Almér LO, et al. **Atherosclerosis** 1986 Jul;61(1):81–5

Hormonal and metabolic profiles in patients with alcohol-induced, mixed hypertriglyceridemia before and after abstinence from ethanol and before and after a lipid-lowering diet. Lapolla A, et al. **Atherosclerosis** 1986 May;60(2):151–9

Diurnal changes in serum triglycerides as related to changes in lipolytic enzymes, lipoproteins and hormones in patients with primary endogenous hypertriglyceridaemia on a carbohydrate-rich diet. Mirani-Oostdijk CP, et al. **Atherosclerosis** 1985 Nov;57(2–3):129–37

Paradoxical elevation of LDL apoprotein B levels in hypertriglyceridaemic patients and normal subjects ingesting fish oil. Sullivan DR, et al. **Atherosclerosis** 1986 Aug;61(2):129–34

Triacylglycerol increase in plasma very low density lipoproteins in cyclophosphamide-treated rabbit: relationship with cholesteryl ester transfer activity. Loudet AM, et al. **Biochim Biophys Acta** 1985 Oct 2;836(3):376–84

Further evidence that activated factor VII is related to plasma lipids [letter] Scarabin PY, et al. **Br J Haematol** 1985 Sep;61(1):186–7

Biochemical tests for acute pancreatitis [letter] Durrington PN, et al. **Br Med J [Clin Res]** 1986 Feb 15;292(6518):484

Effect of menstrual cycle phase and exercise training on serum lipids. Woods NG, et al. **Can J Appl Sport Sci** 1986 Jun;11(2):88–93

Effect of amiodarone on blood lipids. Sonnenblick M, et al. **Cardiology** 1986;73(3):147–50

Detection of dyslipoproteinemia with the use of plasma total cholesterol and triglyceride as screening tests. The Lipid Research Clinics Program Prevalence Study. Kwiterovich PO Jr, et al. **Circulation** 1986 Jan;73(1 Pt 2):I30–9

Geographic origin of the family as a determinant of serum levels of lipids in Finnish children. Pesonen E, et al. **Circulation** 1986 Jun;73(6):1119–26

Direct enzymic measurement of glycerides in serum and in lipoprotein fractions. Kohlmeier M. **Clin Chem** 1986 Jan; 32(1 Pt 1):63–6

Effect of dry-skin products on Ektachem triglyceride results. Ryder K, et al. **Clin Chem** 1986 Jul;32(7):1410–1

Emergency screening for ethylene glycol in serum. Ryder KW, et al. **Clin Chem** 1986 Aug;32(8):1574–7

Bilirubin interference with determination of uric acid, cholesterol, and triglycerides in commercial peroxidase-coupled assays, and the effect of ferrocyanide. Spain MA, et al. **Clin Chem** 1986 Mar;32(3):518–21

Stability of total cholesterol, high-density-lipoprotein cholesterol, and triglycerides in frozen sera. Stokes YM, et al. **Clin Chem** 1986 Jun;32(6):995–9

Relationship of concentrations of cholesterol and triglyceride to cyclosporin A in renal transplant patients. Yatscoff RW, et al. **Clin Chem** 1986 Apr;32(4):700

Single-cuvet sequential determination of triglyceride and cholesterol. Zoppi F. **Clin Chem** 1985 Dec;31(12):2036–9

A simple enzymatic fluorimetric method for the determination of triglycerides in 10 microliters of serum. Gleeson M, et al. **Clin Chim Acta** 1986 Apr 15; 156(1):97–103

The relationship between plasma triglycerides, cholesterol, total lipids and lipid peroxidation products during human atherosclerosis. Ledwożyw A, et al. **Clin Chim Acta** 1986 Mar 28;155(3):275–83

Short-term effects of beta-adrenoceptor blocking drugs with and without cardioselectivity and intrinsic sympathomimetic activity on lipoprotein metabolism in hypertriglyceridaemic patients and in normal men. Durrington PN, et al. **Clin Sci** 1985 Dec;69(6):713–9

Lower triglyceride production during carbohydrate-rich diets through acarbose, a glucoside hydrolase inhibitor [letter] Nestel PJ, et al. **Diabete Metab** 1985 Oct;11(5):316–7

Moderate guar-gum addition to usual diet improves peripheral sensitivity to insulin and lipaemic profile in NIDDM. Tagliaferro V, et al. **Diabete Metab** 1985 Dec; 11(6):380–5

Triglyceride-lowering effect of dietary vitamin E in streptozocin-induced diabetic rats. Increased lipoprotein lipase activity in livers of diabetic rats fed high dietary vitamin E. Pritchard KA Jr, et al. **Diabetes** 1986 Mar; 35(3):278–81

Effect of simultaneous infusion of a somatostatin analogue, insulin and glucose on serum triglycerides and blood glucose levels in man. Fukushima H, et al. **Endocrinol Jpn** 1985 Apr;32(2):241–8

Effect of sleep deprivation on cholesterol metabolism and triglyceridaemia in male volunteers. Vondra K, et al. **Eur J Appl Physiol** 1986;55(1):83–7

Effects of high doses of oestrogens and androgens on lipoproteins: observations in the treatment of excessive growth with sexual hormones. Hinkel GK, et al. **Exp Clin Endocrinol** 1985 Aug;86(1):17–25

The influence of sex-specific brain differentiation and of postpuberal sex hormone levels on the development of sex-specific differences of body weights as well as triglyceride, high-density-lipoprotein-cholesterol and total cholesterol serum levels in rats. Kahl PE, et al. **Exp Clin Endocrinol** 1985 Aug;86(1):7–16

Serum lipids and lipoproteins in relation to smoking among the apparently healthy workers: a preliminary survey. The Pavia Study. Pollini G, et al. **G Ital Med Lav** 1985 Jul; 7(4):119–25

Is the glucocorticoid-induced hypertriglyceridemia in uremic rats caused by decreased tissue lipoprotein lipase activity? Tan MH. **Horm Metab Res** 1985 Nov;17(11):580–2

Serum triglyceride and lipoprotein cholesterol in male survivor of ischaemic heart disease in eastern Uttar Pradesh (north India). Kabi BC, et al. **Indian Heart J** 1985 May-Jun; 37(3):176–8

Low plasma triglyceride levels in lake dwelling East African tribesmen—a fishy story? Robinson D, et al. **Int J Epidemiol** 1986 Jun;15(2):183–7

Effect of oral and intravenous glucose on alimentary lipaemia in normal man. Nicholls DP, et al. **Ir J Med Sci** 1985 Sep; 154(9):348–53

Study of serum lipids and HDL cholesterol in subjects with coronary risk factors and in normal men. Narang NK, et al. **J Assoc Physicians India** 1985 Oct;33(10):652–4

Determination of serum triglycerides by capillary on-column gas chromatography. Brunnekreeft JW, et al. **J Clin Chem Clin Biochem** 1986 Jul;24(7):445–9

Apolipoprotein C-II deficiency syndrome. Clinical features, lipoprotein characterization, lipase activity, and correction of hypertriglyceridemia after apolipoprotein C-II administration in two affected patients. Baggio G, et al. **J Clin Invest** 1986 Feb;77(2):520–7

Metabolism of apolipoproteins B-48 and B-100 of triglyceride-rich lipoproteins in patients with familial dysbetalipoproteinemia. Stalenhoef AF, et al. **J Clin Invest** 1986 Sep;78(3):722–8

Influence of lysophosphatidylcholine on the C-apolipoprotein content of rat and human triglyceride-rich lipoproteins during triglyceride hydrolysis. Windler EE, et al. **J Clin Invest** 1986 Sep; 78(3):658–65

Fluorometric procedures for measuring triglyceride concentrations in small amounts of tissue and plasma. Nemeth PM, et al. **J Lipid Res** 1986 Apr;27(4):447–52

Hypolipidemic activity of indan-1,3-dione derivatives in rodents. Murthy AR, et al. **J Med Chem** 1985 Nov; 28(11):1591–6

Hypertension. I. The relationship of hypertension to serum cholesterol, triglycerides, and sodium. Taegaye A, et al. **J Okla State Med Assoc** 1985 Oct;78(10):375–9

Safflower oil emulsion administration during parenteral nutrition in the preterm infant. 2. Effect on triglyceride and free fatty acid levels. Cooke RJ, et al. **J Pediatr Gastroenterol Nutr** 1985 Oct;4(5):804–7

Study on serum lipoprotein cholesterol and lipid levels of healthy children at preschool age. Wei LS, et al. **J Tongji Med Univ** 1986;6(2):127–9

The effects of oral soybean phospholipid on serum total cholesterol, plasma triglyceride, and serum high-density lipoprotein cholesterol concentrations in hyperlipidemia. Ovesen L, et al. **JPEN J Parenter Enteral Nutr** 1985 Nov-Dec;9(6):716–9

Common DNA polymorphism within coding sequence of apolipoprotein B gene associated with altered lipid levels. Law A, et al. **Lancet** 1986 Jun 7;1(8493):1301–3

Postprandial distribution of apolipoproteins C-II and C-III in normal subjects and patients with mild hypertriglyceridemia: comparison of meals containing corn oil and medium-chain triglyceride oil. Barr SI, et al. **Metabolism** 1985 Nov;34(11):983–92

Glucose tolerance and plasma lipid distributions in rats fed a high-sucrose, high-cholesterol, low-chromium diet.

Donaldson DL, et al. **Metabolism** 1985 Dec;34(12):1086–93

Effects of pregnancy, postpartum lactation, and oral contraceptive use on the lipoprotein cholesterol/triglyceride ratio. Knopp RH, et al. **Metabolism** 1985 Oct;34(10):893–9

Plasma triglycerides related decrease in high-density lipoprotein cholesterol and its association with myocardial infarction in heterozygous familial hypercholesterolemia. Moorjani S, et al. **Metabolism** 1986 Apr;35(4):311–6

Very low density lipoprotein triglyceride metabolism in diabetes. Nikkilä EA. **Monogr Atheroscler** 1985;13:44–52 (35 ref.)

Effects of fenofibrate on receptor-mediated and receptor-independent low density lipoprotein catabolism in hypertriglyceridaemic subjects. Packard CJ, et al. **Monogr Atheroscler** 1985;13:142–4

Effects of a low phosphorus, low nitrogen diet supplemented with essential amino acids and ketoanalogues on serum triglycerides of chronic uremic patients. Ciardella F, et al. **Nephron** 1986;42(3):196–9

Long-term effect of acarbose on diurnal serum triglyceride, glucose, insulin and adipose tissue lipoprotein lipase levels in patients with primary endogenous hypertriglyceridaemia, with or without type II diabetes. Noyon R, et al. **Neth J Med** 1986;29(5):157–64

Hypolipidemic effects of catecholestrogen and 2-methoxy-catecholestrogen. Kono S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Oct; 37(10):2141–2

Carbohydrates, plasma triglycerides, and coronary heart disease. Ahrens EH Jr. **Nutr Rev** 1986 Feb;44(2):60–4

Serum cholesterol and triglycerides in post-partum psychosis. Sane AS, et al. **Psuminerva Med** 1985 Jul–Sep; 27(3):143–6

Effects of stress and ovariectomy on the plasma cholesterol, serum triglyceride, and aortic cholesterol levels of female rats. Starzec JJ, et al. **Physiol Behav** 1986;37(1):99–104

Increases in serum lipid and lipoprotein levels with movement from the supine to standing position in adult men and women. Hagan RD, et al. **Prev Med** 1986 Jan;15(1):18–27

Heritability of plasma cholesterol and triglyceride concentrations in swine. Pond WG, et al. **Proc Soc Exp Biol Med** 1986 Jun;182(2):221–4

Standardization of lipid and lipoprotein determinations for pediatric screening procedures. Cooper GR, et al. **Prog Clin Biol Res** 1985;188:1–17

Problems associated with lipid and lipoprotein analyses. Naito HK. **Prog Clin Biol Res** 1985;188:19–60

Serum triglycerides and HDL cholesterol from SHR after evening primrose oil and other polyunsaturated fats. Singer P, et al. **Prostaglandins Leukotrienes Med** 1986 May; 22(2):173–7

Clearance of triglycerides from the circulation and its relationship to serum lipoproteins: influence of age and sex. Tollin C, et al. **Scand J Clin Lab Invest** 1985 Dec; 45(8):679–84

"Ex vivo" influence of fatty acids from plasma cholesterol and triglycerides on the fatty acid pattern of platelets. Aznar J, et al. **Thromb Haemost** 1985 Oct 30;54(3):669–74

Metabolic studies of a lipid emulsion containing medium-chain triglyceride in perioperative and total parenteral nutrition infusions. Dawes RF, et al. **World J Surg** 1986 Feb;10(1):38–46

[Metabolism of lipids and apoprotein B of plasma lipoprotein subfractions in subjects with normotriglyceridemia and hypertriglyceridemia] Lin DW. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1985 Sep; 13(4):282–5, 318 (Eng. Abstr.) (Chi)

[High-density lipoproteins, total cholesterol, triglycerides and serum trypsin activity. Study in chronic alcoholic and withdrawn subjects] Joly JP, et al. **Pathol Biol (Paris)** 1986 Feb;34(2):108–12 (Eng. Abstr.) (Fre)

[Hemorrhagic fever with renal syndrome caused by Puumala virus. 2 cases with hypertriglyceridemia in the Aube department (letter)] Montagnac R, et al. **Presse Med** 1985 Nov 16;14(39):2016–7 (Fre)

[Extent of coronary sclerosis in relation to lipoprotein lipase activity and plasma triglyceride levels] Breier C, et al. **Schweiz Med Wochenschr** 1985 Sep 14;115(37):1263–7 (Eng. Abstr.) (Ger)

[Triglyceride profile following oil administration] Biermann J, et al. **Z Gesamte Inn Med** 1986 Apr 1;41(7):199–201 (Eng. Abstr.) (Ger)

[Use of apolipoprotein B subfractionation for the detection of catabolic disorders of intestinal lipoproteins] Bergmann S, et al. **Z Med Lab Diagn** 1986;27(2):64–70 (Eng. Abstr.) (Ger)

[Triglyceride determination with the Fermognost-UV test using the chamber paper analysis method] Fistler U, et al. **Z Med Lab Diagn** 1985;26(7):393–5 (Ger)

[Studies on the pathogenesis of hypertriglyceridemia in chronic renal failure—the significance of intravenous fat tolerance test before and after subtotal parathyroidectomy] Inoue S, et al. **Nippon Jinzo Gakkai Shi** 1986 Jan; 28(1):67–72 (Eng. Abstr.) (Jpn)

[Transport of free fatty acids, triglycerides and glucose from the mother's body to the fetus during labor and changes in the levels of these substances in newborn infants during the first few days of life] Jaśkiewicz J. **Folia Med Cracov** 1986;27(1–2):65–79 (Eng. Abstr.) (Pol)

[Fatty acid level in free fatty acid and triglyceride fractions from the blood serum of mothers during labor and in the umbilical cord blood and blood of newborn infants during the first few days of life] Jaśkiewicz J. **Folia Med Cracov** 1986;27(1–2):80–8 (Eng. Abstr.) (Pol)

[Triglyceride, free fatty acid, lipid and cholesterol levels in the serum of infants with nutrition disorders after stimulation with glucagon] Jabłońska-Ulbrych A, et al. **Pediatr Pol** 1985 Nov–Dec;60(11–12):780–9 (Eng. Abstr.) (Pol)

[Changes in the serum levels of triglycerides, free fatty acids and glucose in men after myocardial infarction and in healthy men after long-term physical exertion of moderate intensity] Ziółkowski L, et al. **Pol Tyg Lek** 1985 Dec 16; 40(50):1398–402 (Eng. Abstr.) (Pol)

[Triglyceride and low-density lipoprotein cholesterol (LDL-C) levels in a population of men aged 35–54 years from 8 industrial plants in Wrocław] Chwistecki K, et al. **Przegl Lek** 1985;42(6):539–43 (Eng. Abstr.) (Pol)

[Intestinal absorption of fats in children using serum turbidity and triglyceride absorption tests] Costa CD, et al. **Arq Gastroenterol** 1985 Oct–Dec;22(4):196–203 (Eng. Abstr.) (Por)

[Comparative study of the results of determining triglycerides in serum] Dishlianova B, et al. **Vutr Boles** 1985;24(4):99–103 (Eng. Abstr.) (Rus)

[Plasma lipids in the vasectomized animal] Nuñez J, et al. **Actas Urol Esp** 1986 Jan–Feb;10(1):69–72 (Eng. Abstr.) (Spa)

DIAGNOSTIC USE

Hydrolysis of very-low-density lipoproteins labeled with a fluorescent triacylglycerol: 1,3-dioleoyl-2-(4-pyrenylbutanoyl)glycerol. Rosseneu M, et al. **Eur J Biochem** 1985 Oct 1;152(1):195–8

GENETICS

Use of robust variance components models to analyse triglyceride data in families. Beaty TH, et al. **Ann Hum Genet** 1985 Oct;49 (Pt 4):315–28

ISOLATION & PURIFICATION

Characterization of wax esters, triglycerides, and free fatty acids of follicular casts. Nordstrom KM, et al. **J Invest Dermatol** 1986 Jun;86(6):700–5

METABOLISM

Absorption of individual fatty acids from long chain or medium chain triglycerides in very small infants. Jensen C, et al. **Am J Clin Nutr** 1986 May;43(5):745–51

Effects of dietary polyenylphosphatidylcholine on metabolism of cholesterol and triglycerides in hypertriglyceridemic patients. Kesaniemi YA, et al. **Am J Clin Nutr** 1986 Jan;43(1):98–107

Accumulation of arachidonate in triacylglycerols and unesterified fatty acids during ischemia and reflow in the isolated rat heart. Correlation with the loss of contractile function and the development of calcium overload. Burton KP, et al. **Am J Pathol** 1986 Aug;124(2):238–45

Hepatic triglyceride hydrolysis and development of ketogenesis in rabbits. Duee PH, et al. **Am J Physiol** 1985 Nov;249(5 Pt 1):E478–84

Triglyceride kinetics: effects of dietary glucose, sucrose, or fructose alone or with hyperinsulinemia. Kazumi T, et al. **Am J Physiol** 1986 Mar;250(3 Pt 1):E325–30

Steady-state kinetic analysis of triacylglycerol delivery into mesenteric lymph. Mansbach CM 2d, et al. **Am J Physiol** 1986 Aug;251(2 Pt 1):G263–9

Factors influencing triacylglycerol delivery into mesenteric lymph. Mansbach CM 2d, et al. **Am J Physiol** 1985 Nov; 249(5 Pt 1):G642–8

Expression of LDL receptor binding determinants in very low density lipoproteins. Bradley WA, et al. **Ann NY Acad Sci** 1985;454:239–47 (26 ref.)

The role of the hepatocellular redox state in the hepatic triglyceride accumulation following acute ethanol administration. Ryle PR, et al. **Biochem Pharmacol** 1986 Sep 15;35(18):3159–64

Changes in triacylglycerol, diacylglycerol and free fatty acids after fertilization in developing toad embryos. Alonso TS, et al. **Biochim Biophys Acta** 1986 Feb 28;875(3):465–72

Macrophage interaction with very-low-density lipoproteins results in triacylglycerol-enriched smooth muscle cells. Bergstraesser LM, et al. **Biochim Biophys Acta** 1985 Oct 2;836(3):296–305

Hormone-sensitive lipase and monoacylglycerol lipase are both required for complete degradation of adipocyte triacylglycerol. Fredrikson G, et al. **Biochim Biophys Acta** 1986 Apr 15;876(2):288–93

Localization of intracellular triacylglycerol and cholesteryl ester transfer activity in rat tissues. Wetterau JR, et al. **Biochim Biophys Acta** 1986 Feb 28;875(3):610–7

Quantitative studies on the fetal lipid metabolism in rats: liver fatty acid esterification and conversion into carbon dioxide, and hepatic output of triglycerides and phospholipids into serum. Zimmermann T, et al. **Biol Neonate** 1986;49(1):43–50

Triacylglycerol as a precursor in phospholipid biosynthesis in cultured neuroblastoma cells: studies with labeled glucose, fatty acid, and triacylglycerol. Cook HW, et al. **Can J Biochem Cell Biol** 1985 Sep;63(9):919–26

Rat skeletal muscle triacylglycerol utilization during exhaustive swimming. Spriet LL, et al. **Can J Physiol Pharmacol** 1985 Jun;63(6):614–8

Inhibition of fatty acid incorporation into adipose tissue triglycerides in Ehrlich ascites tumor-bearing mice. Oolthtens M, et al. **Cancer Res** 1986 Feb;46(2):633–8

Lipolysis of serum-activated triacylglycerol at the surface of J774.1 macrophages. A biochemical—electron-microscopic study. Blanchette-Mackie EJ, et al. **Cell Tissue Res** 1986; 244(1):95–105

Purification and characterization of microsomal triglyceride and cholesteryl ester transfer protein from bovine liver microsomes. Wetterau JR, et al. **Chem Phys Lipids** 1985 Aug 30;38(1–2):205–22

Effects of insulin on the metabolism of acetate, beta-hydroxybutyrate and triglycerides by the bovine mammary gland. Laarveld B, et al. **Comp Biochem Physiol [B]** 1985;82(2):265–7

The effect of increased respiratory resistance on glycogen and triglyceride levels in the respiratory muscles of the rat. Namiot Z, et al. **Eur J Appl Physiol** 1985;54(4):432–5

Kinetic assay of human gastric lipase on short- and long-chain triacylglycerol emulsions. Gargouri Y, et al. **Gastroenterology** 1986 Oct;91(4):919–25

Inhibition of muscular triglyceride lipolysis by ketone bodies: a mechanism for energy-preservation in starvation. Wicklmayr M, et al. **Horm Metab Res** 1986 Jul;18(7):476–8

Evidence for a substrate regulation of triglyceride lipolysis in human skeletal muscle. Wicklmayr M, et al. **Horm Metab Res** 1985 Sep;17(9):471–5

Chlorpromazine dissociates effects of colchicine on metabolism of triglycerides and alkaline phosphatase activity in rat liver. Selvakumar D, et al. **Indian J Biochem Biophys** 1984 Dec;21(6):400–1

Activation of natural cytotoxic activity and concomitant reduction of triglyceride content of murine spleen, treated with an antitumor antibiotic, ascofuranone. Magae J, et al. **J Antibiot (Tokyo)** 1986 May;39(5):676–81

Muscle triglyceride utilization during exercise: effect of training. Hurley BF, et al. **J Appl Physiol** 1986 Feb; 60(2):562–7

Endogenous triacylglycerol utilization by rat skeletal muscle during tetanic stimulation. Spriet LL, et al. **J Appl Physiol** 1986 Feb;60(2):410–5

DL-aminocarnitine and acetyl-DL-aminocarnitine. Potent inhibitors of carnitine acyltransferases and hepatic triglyceride catabolism. Jenkins DL, et al. **J Biol Chem** 1985 Nov 25;260(27):14748–55

Metabolism and structure of triacylglycerols in rat epididymal fat pad adipocytes determined by 13C nuclear magnetic resonance. Sillerud LO, et al. **J Biol Chem** 1986 Apr 5;261(10):4380–8

Effects of different skim milk fractions on activity of cow milk purified lipoprotein lipase. Cartier P, et al. **J Dairy Sci** 1986 Apr;69(4):951–5

Ethanol inhibits triglyceride synthesis and secretion by human small intestinal mucosa. Zimmerman J, et al. **J Lab Clin Med** 1986 Jun;107(6):498–501

ApoE is necessary and sufficient for the binding of large triglyceride-rich lipoproteins to the LDL receptor; apoB is unnecessary. Bradley WA, et al. **J Lipid Res** 1986 Jan; 27(1):40–8

Effect of saturated and unsaturated lipid on the composition of mesenteric triglyceride-rich lipoproteins in the rat. Renner F, et al. **J Lipid Res** 1986 Jan;27(1):72–81

Transesterification of phospholipids or triglycerides to fatty acid benzyl esters with simultaneous methylation of free fatty acids for gas-liquid chromatographic analysis. van Kuijk FJ, et al. **J Lipid Res** 1986 Apr;27(4):452–6

Potential tumor- or organ-imaging agents. 26. Polyiodinated 2-substituted triacylglycerols as hepatographic agents. Weichert JP, et al. **J Med Chem** 1986 Sep;29(9):1674–82

Cerebral phosphoinositide, triacylglycerol, and energy metabolism in reversible ischemia: origin and fate of free fatty acids. Yoshida S, et al. **J Neurochem** 1986 Sep; 47(3):744–57

Evaluation of the protein quality of diets containing medium- and long-chain triglyceride in healthy rats. Ling PR, et al. **J Nutr** 1986 Mar;116(3):343–9

Effect of estradiol and progesterone on the rate of incorporation of radiolabeled arachidonate into phospholipids and triglycerides of the rat uterus. Tóth M, et al. **J Steroid Biochem** 1986 Jun;24(6):1185–91

Reduced labeling of brain phosphatidylinositol, triacylglycerols, and diacylglycerols by [1-14C]arachidonic acid after electroconvulsive shock: potentiation of the effect by adrenergic drugs and comparison with palmitic acid labeling. Pediconi MF, et al. **Neurochem Res** 1986 Feb; 11(2):217–30

VLDL-apolipoprotein secretion by perfused rat livers and cultured hepatocytes. **Nutr Rev** 1986 Apr;44(4):148–51

Lipid metabolism in golden hamsters infected with plerocercoids of Spirometra erinacei (Cestoda: Pseudophyllidea). Tsuboi T, et al. **Parasitology** 1986 Aug; 93 (Pt 1):143–51

Effect of olive and sunflower oil on serum lipids and myocardial triglyceride in rats. Siddique HH, et al. **Planta Med** 1986 Feb;(1):46–9

Metabolism and ovarian follicular uptake of the major yolk precursor in laying turkey hens. Bacon WL. **Poult Sci** 1986 Jun;65(6):1184–92

Different effects of prostaglandins E2 and F2 alpha on triglyceride levels in uterine smooth muscle from diabetic

diestrous rats. Macciocchi EK, et al. **Prostaglandins Leukotrienes Med** 1985 Oct;20(1):99–109

Hepatic binding of triglyceride–rich lipoproteins in humans. Florén CH. **Scand J Clin Lab Invest** 1985 Oct;45(6):531–7

Effects of dextran sulfate on stabilization of milk lipoprotein lipase and VLDL triglyceride hydrolysis in vitro. Matsuoka N, et al. **Tohoku J Exp Med** 1986 May;149(1):61–6

[Triglyceride–rich lipoproteins and atherosclerosis] Schwandt P. **Fortschr Med** 1985 Jul 11;103(26):683–5 (37 ref.) (Eng. Abstr.) (Ger)

[Correlations between unsaturated fatty acids and medium C–chain triglycerides] Caponnetto A, et al. **Boll Soc Ital Biol Sper** 1986 Feb 28;62(2):249–56 (Eng. Abstr.) (Ita)

[Lipid metabolism in daunomycin induced nephrotic rats (Part II)] Gomikawa S, et al. **Nippon Jiuzo Gakkai Shi** 1985 Oct;27(10):1397–403 (Eng. Abstr.) (Jpn)

[Triacylglycerol and glycogen levels in the gastric and duodenal mucosa in patients with different values of gastric acid secretion] Namiot Z, et al. **Przegl Lek** 1986;43(4):366–9 (Eng. Abstr.) (Pol)

[Evaluation of mucosal energy substrates in patients with stomach cancer. II. Triacylglycerol levels] Namiot Z, et al. **Wiad Lek** 1986 May 1;39(9):591–5 (Eng. Abstr.) (Pol)

PHARMACODYNAMICS

Trioctanoin infusion increases in vivo leucine oxidation: a lesson in isotope modeling. Rodriguez N, et al. **Am J Physiol** 1986 Sep;251(3 Pt 1):E343–8

Ruminal fermentation in vivo as influenced by long–chain fatty acids. Chalupa W, et al. **J Dairy Sci** 1986 May; 69(5):1293–301

Medium chain triglycerides (MCT) in aging and arteriosclerosis. Kaunitz H. **J Environ Pathol Toxicol Oncol** 1986 Mar–Apr; 6(3–4):115–21 (48 ref.)

Apolipoprotein B synthesis in rat small intestine: regulation by dietary triglyceride and biliary lipid. Davidson NO, et al. **J Lipid Res** 1986 Jan;27(1):30–9

Effects of dietary triglycerides on serum and liver lipids and sterol excretion of rats. Clifford AJ, et al. **J Nutr** 1986 Jun;116(6):944–56

Intragastric injections of partially digested triglyceride suppress feeding in the rat. Gonzalez MF, et al. **Physiol Behav** 1985 Dec;35(6):861–5

SECRETION

Effects of high–dose ethinyl estradiol on serum concentrations and hepatic secretion of the very–low–density lipoprotein, triacylglycerol, cholesterol, and apolipoprotein A–I in the rat. Weinstein I, et al. **Biochim Biophys Acta** 1986 May 21;876(3):450–9

Prepartum milking and the onset of secretion of milk fat in the goat. Brownhill J, et al. **J Physiol (Lond)** 1985 Sep; 366:291–8

THERAPEUTIC USE

Lipid emulsions and reticuloendothelial system function in healthy and burned guinea pigs. Sobrado J, et al. **Am J Clin Nutr** 1985 Nov;42(5):855–63

Intravenous feeding with medium chain triglycerides. Effect on blood gases and the complement system in critically ill patients. Ball MJ, et al. **Anaesthesia** 1986 Apr;41(4):423–6

The metabolic consequences of infusing emulsions containing medium chain triglycerides for parenteral nutrition: a comparative study with conventional lipid. Dennison AR, et al. **Ann R Coll Surg Engl** 1986 May;68(3):119–21

Structured triglycerides improve nitrogen retention in burn trauma. **Nutr Rev** 1986 Jan;44(1):19–20

[Use of medium chain triglycerides in the therapy of exocrine pancreatic insufficiency] Pereira Filho RA, et al. **Rev Paul Med** 1985 May–Jun;103(3):109–14 (Eng. Abstr.) (Por)

[Effect of medium–chain triglycerides in the nutritional status of patients with exocrine pancreatic insufficiency. Report of 2 cases] Chapa Azuela ME, et al. **Rev Gastroenterol Mex** 1985 Jul–Sep;50(3):225–8 (Eng. Abstr.) (Spa)

TRIHEXOSYLCERAMIDES see under **GLYCOSPHINGOLIPIDS**

TRIHEXYPHENIDYL

Benzhexol withdrawal and cholinergic mechanisms in depression. Keshavan MS, et al. **Br J Psychiatry** 1985 Nov; 147:560–4

Trihexyphenidyl dependence [letter] Appaya MP. **J Assoc Physicians India** 1985 Dec;33(12):817, 819

ADMINISTRATION & DOSAGE

[Effects of high–dosage trihexyphenidyl on symptomatic dystonia in a case of Wilson disease] Hirabayashi S, et al. **No To Hattatsu** 1985 Nov;17(6):571–6 (Eng. Abstr.) (Jpn)

ADVERSE EFFECTS

[Trihexyphenidyl (THP)–induced respiratory dyskinesia] Hirata I, et al. **Rinsho Shinkeigaku** 1986 Feb;26(2):109–14 (Eng. Abstr.) (Jpn)

BLOOD

Simultaneous microdetermination of biperiden, haloperidol, and trihexyphenidyl in plasma and its application to pharmacokinetic analysis after concomitant intravenous administration of the drugs to rabbits. Yokogawa K, et al. **Chem Pharm Bull (Tokyo)** 1985 Oct;33(10):4581–6

PHARMACODYNAMICS

Pesticide–drug interaction in rats. Fenyvesi G, et al. **Arch Toxicol [Suppl]** 1985;8:269–71

Dicyclomine, benzhexol and oxybutynine distinguish between subclasses of muscarinic binding sites. Nilvebrant L, et al. **Eur J Pharmacol** 1986 Apr 9;123(1):133–43

POISONING

Physostigmine as an antidote for poisoning by combination of thioridazine and trihexyphenidyl. Beilin B, et al. **Br J Clin Pract** 1985 Oct;39(10):400–1

THERAPEUTIC USE

Pharmacologic treatment of parkinsonian tremor. Koller WC. **Arch Neurol** 1986 Feb;43(2):126–7

Blepharospasm: a case study comparison of trihexyphenidyl (Artane) versus EMG biofeedback. Brantley PJ, et al. **Biofeedback Self Regul** 1985 Jun;10(2):173–80

Management of a case of refractory variant angina with benzhexol hydrochloride (trihexyphenidyl hydrochloride). Joy M, et al. **Br Heart J** 1985 Oct;54(4):448–51

Torsion dystonia: a double–blind, prospective trial of high–dosage trihexyphenidyl. Burke RE, et al. **Neurology** 1986 Feb;36(2):160–4

Trihexyphenidyl treatment of vertical pendular nystagmus. Herishanu Y, et al. **Neurology** 1986 Jan;36(1):82–4

[A case of type III (adult) GM1–gangliosidosis that improved markedly with trihexyphenidyl] Ushiyama M, et al. **Rinsho Shinkeigaku** 1986 Mar;26(3):221–7 (Eng. Abstr.) (Jpn)

[Clinico–biochemical and electromyographic studies of the anti–depressive effect of cyclodol] Katkovnikov EA. **Vrach Delo** 1985 Sep;(9):101–3 (Eng. Abstr.) (Rus)

TRIHYDROXYPREGNADIENES see **PREGNADIENETRIOLS**

TRIIODOBENZOIC ACIDS see under **IODOBENZOATES**

TRIIODOTHYRONINE

ADMINISTRATION & DOSAGE

The effects of triiodothyronine on energy expenditure, nitrogen balance and rates of weight and fat loss in obese patients during prolonged caloric restriction. Abraham RR, et al. **Int J Obes** 1985;9(6):433–42

Effects of low dose oral triiodothyronine in myxoedema coma. McCulloch W, et al. **Intensive Care Med** 1985; 11(5):259–62

ADVERSE EFFECTS

L–triiodothyronine–precipitated angina and clinical response. Gitlin MJ. **Biol Psychiatry** 1986 May;21(5–6):543–5

ANALOGS & DERIVATIVES

Single–step, quantitative derivatization of amino, carboxyl, and hydroxyl groups in iodothyronine amino acids with ethanolic pivalic anhydride containing 4–dimethylaminopyridine. Joppich M, et al. **Anal Biochem** 1986 Feb 15;153(1):159–65

Use of 125I–triiodothyroacetic acid to measure nuclear thyroid hormone receptor. Evans RW, et al. **Endocr Res** 1986;12(1):37–47

Tri–iodothyroacetic acid abuse in a female body builder [letter] Ferner RE, et al. **Lancet** 1986 Feb 15;1(8477):383

[Fatal fulminant hepatitis probably due to Plethoryl (letter)] Atttali P, et al. **Gastroenterol Clin Biol** 1986 Jan;10(1):92 (Fre)

ANALYSIS

Effects of maternal iodine deficiency on the L–thyroxine and 3,5,3'–triiodo–L–thyronine contents of rat embryonic tissues before and after onset of fetal thyroid function. Escobar del Rey F, et al. **Endocrinology** 1986 Apr; 118(4):1259–65

Regional distribution of nuclear T3 receptors in rat brain and evidence for preferential localization in neurons. Ruel J, et al. **J Endocrinol Invest** 1985 Aug;8(4):343–8

Determination of liothyronine and levothyroxine in thyroid preparations by liquid chromatography. Richheimer SL, et al. **J Pharm Sci** 1986 Feb;75(2):215–7

Fenoprofen and free triiodothyronine assays [letter] Lefort G, et al. **Lancet** 1986 Sep 6;2(8506):577–8

Thyroid hormone receptors in fetal and hormone resistant tissues. Bernal J, et al. **Scand J Clin Lab Invest** 1985 Nov; 45(7):577–83 (52 ref.)

Fine needle aspiration in studies of thyroglobulin (Tg). Iodothyronine and iodine contents of Tg from patients with multinodular euthyroid goitre. Laurberg P, et al. **Scand J Clin Lab Invest** 1986 Jun;46(4):319–23

ANTAGONISTS & INHIBITORS

3,3',5'–Triiodothyronine inhibits iodothyronine–5'–deiodinating activity induced by 3,5,3'–triiodothyronine at equimolar concentrations in cultured fetal mouse liver. Han DC, et al. **Endocrinology** 1986 Sep;119(3):1076–82

BIOSYNTHESIS

Potential of brown adipose tissue type II thyroxine 5'–deiodinase as a local and systemic source of triiodothyronine in rats. Silva JE, et al. **J Clin Invest** 1985 Dec;76(6):2296–305

Is conversion of thyroxine to triiodothyronine and reverse triiodothyronine autoregulated? Studies with short term suppression of thyroid function with 3'isopropyl 3,5–diiodothyronine. Davies R, et al. **J Endocrinol Invest** 1985 Dec;8(6):519–22

Iodothyronine deiodination in the brain of diabetic rats: influence of thyroid status. Gavin LA, et al. **J Endocrinol Invest** 1986 Apr;9(2):127–33

Avian hepatic T–3 production by two pathways of 5'–monodeiodination: effects of fasting and patterns during development. Hughes TE, et al. **J Exp Zool** 1986 Jun; 238(3):393–9

Effect of TSH on conversion of T4 to T3 in perfused rat kidney. Ikeda T, et al. **Metabolism** 1985 Nov;34(11):1057–60

Conversion of thyroxine to triiodothyronine in liver biopsy samples of beta–carotene and vitamin–A supplemented dairy cows. Pethes G, et al. **Zentralbl Veterinarmed [A]** 1985 Aug;32(7):512–7

BLOOD

Effects of thyroid hormone and beta–blocking agents on plasma amino acids in rats. Angerås U, et al. **Acta Chir Scand** 1986 May;152:339–45

"The low T3 syndrome" and impaired thyroid protein synthesis in experimental trauma. Madsen M, et al. **Acta Chir Scand** 1986 Feb;152:91–6

The low T3 state. An experimental study. Madsen M. **Acta Chir Scand [Suppl]** 1986;532:1–57

Homeorhesis during early lactation. Euthyroid sick–like syndrome in lactating cows. Aceves C, et al. **Acta Endocrinol (Copenh)** 1985 Dec;110(4):505–9

Postnatal development of brain TRH, serum TSH and thyroid hormones in the male and female rat. Gayo L, et al. **Acta Endocrinol (Copenh)** 1986 May;112(1):7–11

Thyroxine and triiodothyronine kinetics in cardiac patients taking amiodarone. Hershman JM, et al. **Acta Endocrinol (Copenh)** 1986 Feb;111(2):193–9

Serum free thyroxine in patients with T3–toxicosis. Martino E, et al. **Acta Endocrinol (Copenh)** 1985 Nov;110(3):354–9

Ontogenesis of androgen receptors in the mouse submandibular gland: correlation with the developmental profiles of circulating thyroid and testicular hormones. Minetti CA, et al. **Acta Endocrinol (Copenh)** 1986 Jun; 112(2):290–5

Plasma free and total iodothyronine levels in hypophysectomized and intact lamb foetuses during the last third of gestation. Wrutniak C, et al. **Acta Endocrinol (Copenh)** 1985 Nov;110(3):388–94

Hypoglycemia and low S–T3—an experimental study. Kallner G. **Acta Med Scand** 1985;218(1):119–22

Twenty–four–hour serum levels of T4 and T3 in relation to decreased TSH serum levels and decreased TSH response to TRH in affective disorders. Undén F, et al. **Acta Psychiatr Scand** 1986 Apr;73(4):358–65

Thyroid hormone and carrier protein interrelationships in children recovering from kwashiorkor. Kalk WJ, et al. **Am J Clin Nutr** 1986 Mar;43(3):406–13

Serum thyroid hormone, triiodothyronine, thyroxine, and triiodothyronine/thyroxine ratio in patients with fulminant, acute, and chronic hepatitis. Itoh S, et al. **Am J Gastroenterol** 1986 Jun;81(6):444–9

Hormones in perinatal rat and spiny mouse: relation to altricial and precocial timing of birth. Lamers WH, et al. **Am J Physiol** 1986 Jul;251(1 Pt 1):E78–85

Effects of thyrotropin–releasing hormone on serum concentrations of thyroxine and triiodothyronine in healthy, thyroidectomized, thyroxine–treated, and propylthiouracil–treated dogs. Li WI, et al. **Am J Vet Res** 1986 Jan;47(1):163–9

Equine thyroid function assessment with the thyrotropin–releasing hormone response test. Lothrop CD Jr, et al. **Am J Vet Res** 1986 Apr;47(4):942–4

Serum concentrations of thyroxine and 3,5,3'–triiodothyronine before and after intravenous or intramuscular thyrotropin administration in dogs. Wheeler SL, et al. **Am J Vet Res** 1985 Dec;46(12):2605–8

Transient hyperthyroxinemia in symptomatic hyponatremic patients. Cogan E, et al. **Arch Intern Med** 1986 Mar; 146(3):545–7

Decreased thyroxine, triiodothyronine, and 5'–deiodination levels in malabsorption syndrome (runting or stunting syndrome) in artificially inoculated broilers. Rudas P, et al. **Avian Dis** 1986 Apr–Jun;30(2):293–7

Reevaluation of thyroid function in low birth weight infants based on free triiodothyronine and triiodothyronine. Nagashima K, et al. **Biol Neonate** 1985;48(6):341–5

Triiodothyronines, depression, and fasting [letter] Cook EH,

et al. **Biol Psychiatry** 1986 Apr;21(4):425–6
Free triiodothyronine (T3) and thyroxine (T4) in a group of unipolar depressed patients and normal subjects. Orsulak PJ, et al. **Biol Psychiatry** 1985 Oct;20(10):1047–54
T3 and T4 in unipolar depression [letter] Thomas DR. **Biol Psychiatry** 1986 May;21(5–6):576–7
Evidence suggesting that the elevated plasma triiodothyronine concentration of rats fed on protein deficient diets is physiologically active. Sawaya AL, et al. **Br J Nutr** 1985 Jan;53(1):175–81
Amerlex free triiodothyronine and free thyroxine levels in normal pregnancy. Parker JH. **Br J Obstet Gynaecol** 1985 Dec;92(12):1234–8
Assessment of thyroid function: complications after treatment with fenoprofen. Gurney JR, et al. **Br Med J [Clin Res]** 1986 Jun 14;292(6535):1560
Serum thyroid stimulating hormone (TSH), total thyroxine (TT4), total triiodothyronine (TT3), triiodothyronine uptake ratio (T3uR), free thyroxine index (FT4I), free triiodothyronine index (FT3I) and T3/T4 ratio in the elderly. Tong ZH, et al. **Chin Med J [Engl]** 1985 Jul; 98(7):520–3
Can solid-phase antibody be recycled for immunoassay of thyroxin and triiodothyronine? [letter] Ch'ng SL, et al. **Clin Chem** 1985 Nov;31(11):1911–2
Clinical utility of measuring free thyroxin and free triiodothyronine in serum of critically ill patients by ultrafiltration. Lee LA, et al. **Clin Chem** 1986 May; 32(5):797–800
Free thyroxin and free triiodothyronine as measured by equilibrium dialysis and analog radioimmunoassay in serum of patients taking phenytoin and carbamazepine. Liewendahl K, et al. **Clin Chem** 1985 Dec;31(12):1993–6
Assay performance and tracer properties for two analog-based assays of free triiodothyronine. Wilkins TA, et al. **Clin Chem** 1986 Mar;32(3):465–9
Serum thyroxine and triiodothyronine in patients receiving increasing doses of L-thyroxine [letter] Wiener JD. **Clin Endocrinol (Oxf)** 1985 Dec;23(6):721–2
The effect of thyroxine (T4) administration on plasma levels of tri-iodothyronine (T3) and T4 in male white-tailed deer. Bubenik GA, et al. **Comp Biochem Physiol [A]** 1986; 83(1):185–7
Plasma iodothyronines in the domestic fowl: newly hatched to early adult stages, with special reference to reverse triiodothyronine (rT3). Hylka VW, et al. **Comp Biochem Physiol [A]** 1986;84(2):275–7
Growth, protein synthesis and plasma concentrations of growth hormone, thyroxine and triiodothyronine in dwarf, control and growth-selected strains of broiler-type domestic fowl. Lauterio TJ, et al. **Comp Biochem Physiol [A]** 1986;83(4):627–32
Suppression of plasma thyroid hormone concentrations by cortisol in the European eel Anguilla anguilla. Redding JM, et al. **Comp Biochem Physiol [A]** 1986;83(3):409–13
The effect of pinealectomy on plasma levels of thyroid hormones in pigeons reared under different photoperiods. Rintamäki H, et al. **Comp Biochem Physiol [A]** 1985; 82(1):97–100
Ontogeny of plasma-free thyroxine and triiodothyronine concentrations during the perinatal period and maternofetal transfer of thyroid hormones in the rabbit. Devaskar UP, et al. **Dev Pharmacol Ther** 1986;9(2):115–23
Hyperthyroidism in the elderly. II. Laboratory tests. Dumitriu L, et al. **Endocrinologie** 1986 Jan–Mar;24(1):3–9
Decreased serum 3,5,3'-triiodothyronine (T3) and abnormal serum binding of T3 in calorie-deficient rats: adaptation after chronic underfeeding. Glass AR, et al. **Endocrinology** 1986 Jun;118(6):2464–9
Abnormal thyroid hormone binding to serum proteins in ob/ob and db/db genetically obese mice. Kaplan MM, et al. **Endocrinology** 1985 Nov;117(5):1858–63
Protein utilization in growth: effect of calorie deficiency on serum growth hormone, somatomedins, total thyroxine (T4) and triiodothyronine, free T4 index, and total corticosterone. Schaich DS, et al. **Endocrinology** 1985 Dec; 117(6):2307–12
Plasma T4 and T3 levels in naturally metamorphosing Eurycea bislineata (Amphibia; Plethodontidae). Alberch P, et al. **Gen Comp Endocrinol** 1986 Jan;61(1):153–63
Influences of temperature and pH on free T4 and free T3 in charr and trout plasma. Eales JG, et al. **Gen Comp Endocrinol** 1986 Feb;61(2):272–7
Circulating thyroid hormone concentrations in relation to seasonal events in the male Indian garden lizard, Calotes versicolor. Kar A, et al. **Gen Comp Endocrinol** 1985 Oct; 60(1):14–9
Food intake regulation of circulating thyroid hormones in domestic fowl. Klandorf H, et al. **Gen Comp Endocrinol** 1985 Nov;60(2):162–70
The relative potencies of L-T4 and L-T3 on the pituitary-thyroid axis in the Japanese quail. Parés-Herbuté N, et al. **Gen Comp Endocrinol** 1985 Nov;60(2):298–305
The effect of exposure to 40 degrees on the heat production and the serum concentrations of triiodothyronine, thyroxine, and corticosterone in immature domestic fowl. Williamson RA, et al. **Gen Comp Endocrinol** 1985 Nov; 60(2):178–86
Glucagon administration induces lowering of serum T3 and rise in reverse T3 in euthyroid healthy subjects. Kabadi UM, et al. **Horm Metab Res** 1985 Dec;17(12):667–70
Low testosterone syndrome in ill patients: correlation with the "low T3 syndrome". Schlienger JL, et al. **Horm Metab Res** 1986 Jan;18(1):71–2
Effect of sex and age on serum aldosterone and thyroid hormones in the laboratory rat. Tang F. **Horm Metab Res** 1985 Oct;17(10):507–9
No monthly variations in serum levels of thyroid hormones in human males. Taubøll E, et al. **Horm Metab Res** 1986 Jul;18(7):500–1
Cardiopulmonary bypass: a low T4 and T3 syndrome with blunted thyrotropin (TSH) response to thyrotropin-releasing hormone (TRH). Robuschi G, et al. **Horm Res** 1986;23(3):151–8
Free and total triiodothyronine and thyroxine in malnourished Jamaican infants. The effect of diet on plasma levels of thyroid hormones, insulin and glucose during recovery. Robinson HM, et al. **Hum Nutr Clin Nutr** 1985 Jul;39(4):245–57
Thyroid function in newborns. Mishra JN, et al. **Indian Pediatr** 1986 Jul;23(7):521–4
Inositol and hepatic lipidosis. II. Effect of inositol supplementation and time from parturition on serum insulin, thyroxine and triiodothyronine and their relationship to serum and liver lipids in dairy cows. Gerloff BJ, et al. **J Anim Sci** 1986 Jun;62(6):1693–702
Serum concentrations of prolactin, thyroxine and triiodothyronine relative to season and the estrous cycle in the mare. Johnson AL. **J Anim Sci** 1986 Apr; 62(4):1012–20
The effect of environmental temperature on concentrations of thyroxine and triiodothyronine after thyrotropin releasing hormone in steers. Pratt BR, et al. **J Anim Sci** 1986 May;62(5):1346–52
Humoral, hormonal and behavioral correlates of feeding in ponies: the effects of meal frequency. Youket RJ, et al. **J Anim Sci** 1985 Nov;61(5):1103–10
Discordant hypothyroxinemia and hypertriiodothyroninemia in treated patients with hyperthyroid Graves' disease. Chen JJ, et al. **J Clin Endocrinol Metab** 1986 Jul;63(1):102–6
The effects of phenytoin (diphenylhydantoin) on the extrathyroidal turnover of thyroxine, 3,5,3'-triiodothyronine, 3,3',5'-triiodothyronine, and 3',5'-diiodothyronine in man. Faber J, et al. **J Clin Endocrinol Metab** 1985 Dec;61(6):1093–9
Sustained rises in serum thyrotropin, thyroxine, and triiodothyronine during long term, continuous thyrotropin-releasing hormone treatment in patients with amyotrophic lateral sclerosis. Kaplan MM, et al. **J Clin Endocrinol Metab** 1986 Oct;63(4):808–14
Studies on the diurnal pattern of serum 3,5,3'-triiodothyronine. Nimalasuriya A, et al. **J Clin Endocrinol Metab** 1986 Jan;62(1):153–8
Serum triiodothyronine to thyroxine ratio: a newly recognized predictor of the outcome of hyperthyroidism due to Graves' disease. Takamatsu J, et al. **J Clin Endocrinol Metab** 1986 May;62(5):980–3
Thyroid indices in panic disorder. Fishman SM, et al. **J Clin Psychiatry** 1985 Oct;46(10):432–3
The mechanism of low serum T3 in the fetus: hepatic T4-5'-monodeiodinase versus tissue sulfhydryl content—a clarification. Wu SY, et al. **J Dev Physiol** 1986 Feb; 8(1):43–7
Comparison of a new ultrafiltration method for serum free T4 and free T3 with two RIA kits in eight groups of patients. Wang YS, et al. **J Endocrinol Invest** 1985 Dec; 8(6):495–500
Influence of the pineal gland and circadian rhythms in circulating levels of thyroid hormones of male hamsters. Vriend J. **J Pineal Res** 1984;1(1):15–22
Reduced serum T4 and T3 and their altered serum binding after burn injury in rats. Shirani KZ, et al. **J Trauma** 1985 Oct;25(10):953–8
Thyroid hormones and TSH in normal subjects. Akhter P, et al. **JPMA** 1986 Mar;36(3):51–4
A case of total thyroxine-binding globulin deficiency with Graves' disease: fluctuations of plasma triiodothyronine/thyroxine ratio. Kamikubo K, et al. **Jpn J Med** 1986 May;25(2):186–90
Low T3 syndrome in patients following major surgery. Tsuchiya A, et al. **Jpn J Surg** 1985 Jul;15(4):285–90
Protective adaptation of low serum triiodothyronine in patients with chronic renal failure. Lim VS, et al. **Kidney Int** 1985 Sep;28(3):541–9
Fenoprofen and free triiodothyronine measurement [letter] Thornes HM, et al. **Lancet** 1986 Jul 12;2(8498):101
Free triiodothyronine in serum in relation to thyroid function. Tuttlebee JW. **Med Lab Sci** 1985 Jul;42(3):221–5
The evaluation of free thyroid hormones (FT4 and FT3) in the routine diagnosis of thyroid function. Passath A, et al. **Nuklearmedizin** 1985 Jun;24(3):115–21
Changes in free fatty acids and triiodothyronine in response to feeding in pigs. Houpt KA, et al. **Physiol Behav** 1986; 37(4):573–6
Ovarian hormone effects on activity, glucoregulation and thyroid hormones in the rat. Thomas DK, et al. **Physiol Behav** 1986;36(3):567–73
Relationship of photoperiod and feed intake to thyroid hormone concentration. May JD, et al. **Poult Sci** 1986 Apr; 65(4):801–6
Effect of acclimation and heat stress on thyroid hormone concentration. May JD, et al. **Poult Sci** 1986 Jun; 65(6):1211–3
Daily variation of corticosterone and thyroid hormones in broiler cockerels. Smoak KD, et al. **Poult Sci** 1986 Jan; 65(1):197–8
The relationship between age and genotype and circulating concentrations of triiodothyronine (T3), thyroxine (T4), and growth hormone in commercial meat strain chickens. Lilburn MS, et al. **Proc Soc Exp Biol Med** 1986 Jul; 182(3):336–43
Early changes in the levels of serum triiodothyronine (T3), thyroxine (T4), T3/T4 ratio and microsomal carboxylesterase activity in rats following treatment with CCl4. Itoh S, et al. **Res Commun Chem Pathol Pharmacol** 1985 Sep; 49(3):447–50
Is there a place for the estimation of free tri-iodothyronine levels in the diagnosis of hypothyroidism? Jialal I, et al. **S Afr Med J** 1985 Nov 23;68(11):805–6
Nuclear thyroxine binding in human mononuclear blood cells from hyperthyroid and hypothyroid patients before and after treatment. Kvetny J, et al. **Scand J Clin Lab Invest** 1986 Sep;46(5):489–93
Ultrafiltration method for direct radioimmunoassay measurement of free thyroxine and free tri-iodothyronine in serum. Weeke J, et al. **Scand J Clin Lab Invest** 1986 Jun;46(4):381–9
The impact of quality control materials on the performance of an internal quality control system: 3.Experiences from S-triiodothyronine analysis. Blaabjerg O, et al. **Scand J Clin Lab Invest [Suppl]** 1984;172:79–86
Determination of free triiodothyronine in serum: comparison of radioimmunoassay with equilibrium dialysis method. Nosnura T, et al. **Tohoku J Exp Med** 1985 Jul; 146(3):289–301
Reduced serum thyroid hormone levels in hexachlorobenzene-induced porphyria. Rozman K, et al. **Toxicol Lett** 1986 Jan;30(1):71–8
[Preliminary observation on changes in serum triiodothyronine (T8), thyroxine (T4) nd thyroid-stimulating hormone (TSH) in patients with chronic cor pulmonale] Xu ZQ, et al. **Sou Chuan I Hsueh Yuan Hsueh Pao** 1985 Jun;16(2):148–52 (Eng. Abstr.) **(Chi)**
[Growth in weaned piglets and levels of iodothyronines in the blood during the administration of thyroactive substances] Dvořák M, et al. **Vet Med (Praha)** 1986 May; 31(5):265–76 (Eng. Abstr.) **(Cze)**
[High blood triiodothyronine and the euthyroid state] Brisson-Lougarre A, et al. **C R Acad Sci [III]** 1985; 301(16):727–30 (Eng. Abstr.) **(Fre)**
[Should the assay of serum free thyroxine and triiodothyronine replace the other methods of evaluating thyroid function?] Corbineau P, et al. **Rev Med Interne** 1985 Oct;6(4):390–5 (Eng. Abstr.) **(Fre)**
[Effect of iodine, copper and zinc supplements to rations with a high quota of rapeseed extract meal on the growth and thyroid function of fattening swine. 3. The effect on weight and the histomorphometric findings in the thyroid and on the serum T3 and T4 concentrations] Schöne F, et al. **Arch Tierernahr** 1986 Apr–May;36(4–5):371–80 (Eng. Abstr.) **(Ger)**
[Behavior of the levels of free triiodothyronine, triiodothyronine, free thyroxine, thyroxine, thyrotropin and thyroxine-binding globulin in the serum of children with nephrotic syndrome] Liappis N, et al. **Klin Padiatr** 1985 Sep–Oct;197(5):423–6 (Eng. Abstr.) **(Ger)**
[Determination of free L-triiodothyronine (FT3) in serum. Comparative tests of 2 FT3 radioimmunoassays] Schmidt C, et al. **Radiologe** 1985 Sep;25(9):409–12 (Eng. Abstr.) **(Ger)**
[Importance of the determination of free thyroxine and triiodothyronine serum levels in preclinical hyperthyroidism and subclinical hypothyroidism] Földes J, et al. **Orv Hetil** 1986 Jun 1;127(22):1315–9 (Eng. Abstr.) **(Hun)**
[Fundamental and clinical evaluation of the Amerlex FT3 RIA kit] Ban Y, et al. **Kaku Igaku** 1985 Nov; 22(11):1699–710 **(Jpn)**
[Fundamental and clinical study of the free triiodothyronine RIA kit (Amerlex)] Ishii H, et al. **Kaku Igaku** 1985 Jul; 22(7):1055–9 **(Jpn)**
[Various factors affecting the measurement of serum free T3 concentration using radioimmunoassay] Sato R, et al. **Kaku Igaku** 1986 Jan;23(1):79–84 **(Jpn)**
[Low serum triiodothyronine in elderly subjects with non-thyroidal diseases] Lee Y, et al. **Nippon Ronen Igakkai Zasshi** 1985 Nov;22(6):536–40 (Eng. Abstr.) **(Jpn)**
[Review of the clinical usefulness of triiodothyronine uptake values] Ban Y. **Radioisotopes** 1985 Aug;34(8):426–8 **(Jpn)**
[Control survey of normal reference ranges adopted for serum thyroxine binding globulin, thyroxine, and triiodothyronine in Japan] Suginaki H, et al. **Radioisotopes** 1985 Jun;34(6):344–7 **(Jpn)**
[Recent progress in thyroid function tests—TBII, free T3, thyroglobulin and calcitonin] Hashimoto T, et al. **Rinsho Byori** 1985 May;33(5):480–99 (124 ref.) **(Jpn)**
[Neutrophils of the peripheral blood and thyroid hormones] Hrycek A, et al. **Endokrynol Pol** 1985;36(4):235–9 (39 ref.) **(Pol)**
[TSH and thyroid hormone levels in newborn infants with hyperthyrotropinemia detected by screening tests, in newborn infants with goiter and those born to mothers

with hyperthyroidism] Rybakowa M, et al. **Endokrynol Pol** 1985;36(5):277–84 (Eng. Abstr.) (Pol)

[Thyrotropin and thyroid hormone levels in children with congenital hypothyroidism during treatment] Niżankowska-Błaż T, et al. **Wiad Lek** 1986 Jan 1;39(1):20–3 (Eng. Abstr.) (Pol)

[Concentrations of total triiodothyronine, total thyroxine and thyrotropic hormone in the blood of the medial cubital vein in the elbow and from the internal arteriovenous fistula in patients treated with hemodialysis for chronic renal failure] Starzyk J, et al. **Wiad Lek** 1986 Mar 15;39(6):379–81 (Eng. Abstr.) (Pol)

[Thyroxine, triiodothyronine and thyrotropic hormone levels in the blood of patients with sclerocystic ovary syndrome of central origin] Akopian SS, et al. **Akush Ginekol (Mosk)** 1986 Feb;(2):54–7 (Eng. Abstr.) (Rus)

[Thyroid hormone content of the blood plasma and functional state of the myocardium in patients with chronic forms of ischemic heart disease] Fitilev SB, et al. **Kardiologiia** 1985 Jul;25(7):99–102 (Eng. Abstr.) (Rus)

[Radioimmunologic system for the quantitative determination of triiodothyronine in human blood serum] Krupenko SA, et al. **Med Radiol (Mosk)** 1986 Feb;31(2):56–60 (Rus)

[Changes in the hormone profile, central hemodynamics and tissue blood flow in patients with thyrotoxic goiter during treatment with lithium carbonate] Petrov IM. **Med Radiol (Mosk)** 1986 Apr;31(4):13–5 (Eng. Abstr.) (Rus)

[Blood levels of thyroid hormones, insulin and cortisol in children with retardation of physical development in malnutrition] Peres-Arse KhA, et al. **Probl Endokrinol (Mosk)** 1985 Jul-Aug;31(4):23–4 (Eng. Abstr.) (Rus)

[Relation between blood levels of thyroid hormones and insulin and lipid metabolism and the clinical course of chronic forms of ischemic heart disease] Dudaev VA, et al. **Ter Arkh** 1985;57(12):42–5 (Eng. Abstr.) (Rus)

[Variation in thyroid hormones circulating levels in rats subjected to diets of food restriction and low protein diets of casein] Pérez Castrillo R, et al. **Acta Cient Venez** 1985; 36(1):95–9 (Eng. Abstr.) (Spa)

[Changes in T4-deiodination in decompensated diabetes mellitus. The low-T3 syndrome] Zamora Madaria E, et al. **Med Clin (Barc)** 1985 Oct 12;85(11):443–7 (Eng. Abstr.) (Spa)

[Characterization of serum concentrations of thyroid hormones in a healthy infantile Chilean population] Michaud P, et al. **Rev Med Chil** 1985 Nov;113(11):1096–103 (Eng. Abstr.) (Spa)

CEREBROSPINAL FLUID

RIA examinations of CSF hormones as a method of demonstrating leakage through the blood–brain and brain–CSF barriers. Zaidman JL, et al. **Eur J Nucl Med** 1985;11(8):323

DEFICIENCY

Modulation of adipose lipoprotein lipase by thyroid hormone and diabetes. The significance of the low T3 state. Gavin LA, et al. **Diabetes** 1985 Dec;34(12):1266–71

Low T3 syndrome in cancer patients in relation to weight loss, intravenous hyperalimentation therapy and age. Kamijo K, et al. **Endocrinol Jpn** 1986 Feb;33(1):125–31

[Diagnosis of low T–3 syndrome in patients with chronic renal insufficiency on hemodialysis (letter)] Joven J. **Med Clin (Barc)** 1986 Jul 12;87(6):262 (Spa)

DIAGNOSTIC USE

[Changes in the sensitivity of the body to triiodothyronine and adrenaline as a result of smoking] Kosenkov NI. **Fiziol Cheloveka** 1985 Jul-Aug;11(4):686–7 (Rus)

[New parameter for evaluating the severity of hypothyroidism] Zlatkina AR, et al. **Sov Med** 1985;(8):46–9 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Carbodiimide used in coupling triiodothyronine antibody to carboxymethyl-cellulose powder for solid-phase radioimmunoassay [letter] Jyotsna J, et al. **Clin Chem** 1986 Jan;32(1 Pt 1):229

METABOLISM

Conversion of T4 to T3 in perfused liver of rats with carbontetrachloride-induced liver injury. Ikeda T, et al. **Acta Endocrinol (Copenh)** 1986 May;112(1):89–92

Secretion and metabolic clearance rates of thyroxine and triiodothyronine in streptozotocin-diabetic rats. Jolin T, et al. **Acta Endocrinol (Copenh)** 1985 Nov;110(3):395–400

In vitro demonstration of the conversion of thyroxine to 3,3',5-triiodothyronine in liver biopsy samples taken from lactating cows (short communication). Rudas P, et al. **Acta Vet Hung** 1985;33(3–4):185–8

Thyroxine 5'-deiodinase in brown adipose tissue of myopathic hamsters. Kopecky J, et al. **Am J Physiol** 1986 Jul;251(1 Pt 1):E8–13

Thyroxine 5'-deiodinase in hamster and rat brown adipose tissue: effect of cold and diet. Kopecky J, et al. **Am J Physiol** 1986 Jul;251(1 Pt 1):E1–7

Effects of caloric deprivation on thyroid hormone tissue uptake and generation of low-T3 syndrome. van der Heyden JT, et al. **Am J Physiol** 1986 Aug;251(2 Pt 1):E156–63

Localization and development of immunoreactive triiodothyronine in thyroid glands of dogs and chickens. Kameda Y, et al. **Anat Rec** 1986 Feb;214(2):168–76

Selective transport across the blood–brain barrier [letter] Banks WA, et al. **Ann Intern Med** 1986 Sep;105(3):472

Diet fat alters the structure and function of the nuclear envelope: modulation of membrane fatty acid composition, NTPase activity and binding of triiodothyronine. Venkatraman JT, et al. **Biochem Biophys Res Commun** 1986 Mar 13;135(2):655–61

Effects of pH and ionic strength on the binding of L-tri-iodothyronine to the solubilized nuclear receptor. Wilson BD, et al. **Biochem J** 1985 Dec 15;232(3):663–7

Identification of thyroid hormone receptors in rat liver nuclei by photoaffinity labeling with L-thyroxine and triiodo-L-thyronine. Dozin B, et al. **Biochemistry** 1985 Sep 10;24(19):5197–202

Effect of long-chain fatty acids on the binding of thyroxine and triiodothyronine to human thyroxine-binding globulin. Tabachnick M, et al. **Biochim Biophys Acta** 1986 Apr 11; 881(2):292–6

Thyroid hormone deiodinases in purified primary glial cell cultures. Cavalieri RR, et al. **Brain Res** 1986 Feb 5; 364(2):382–5

Influence of a single meal on fractional disappearance and catabolic rates of 3,5,3'-triiodothyronine and thyroxine over 24 hours. Dauncey MJ, et al. **Comp Biochem Physiol [A]** 1986;83(1):89–92

Modulation of nuclear receptor affinity for 3,5,3'-triiodothyronine by nucleotide in vitro. Brtko J, et al. **Endocrinol Exp (Bratisl)** 1985 Dec;19(4):245–51

Binding of thyroid hormones to nuclear extracts of thyroid cells. Erkenbrack DE, et al. **Endocrinology** 1986 Jul; 119(1):311–7

Cellular uptake of 3,5,3'-triiodothyronine and thyroxine by red blood and thymus cells. Galton VA, et al. **Endocrinology** 1986 May;118(5):1918–23

Thyroxine and 3,5,3'-triiodothyronine bind to the same putative receptor in hepatic nuclei of Rana catesbeiana tadpoles. Galton VA. **Endocrinology** 1986 Mar; 118(3):1114–8

Dependence of the mitochondrial uptake of triiodothyronine (T3) in rat kidney on cytosolic T3-binding protein. Hashizume K, et al. **Endocrinology** 1986 Sep;119(3):1063–70

Studies of nuclear 3,5,3'-triiodothyronine binding in primary cultures of rat brain. Kolodny JM, et al. **Endocrinology** 1985 Nov;117(5):1848–57

Thyroxine entering the thyroid gland via the vascular bed may leave the gland as triiodothyronines. Studies with perfused dog thyroid lobes. Laurberg P. **Endocrinology** 1986 Mar;118(3):895–900

Transcellular and transnuclear transport of 3,5,3'-triiodothyronine in isolated hepatocytes. Mooradian AD, et al. **Endocrinology** 1985 Dec;117(6):2449–56

The effect of trypsinization on the plasma membrane binding and action of 3,5,3'-triiodothyronine in rat thymocytes. Segal J, et al. **Endocrinology** 1986 May;118(5):1863–8

Thyroidal thyroxine and triiodothyronine in autonomously functioning thyroid nodule and paranodular tissue. Solter M, et al. **Exp Clin Endocrinol** 1985 Jun;85(3):369–72

Saturable binding of thyroid hormone to isolated rat hepatocytes. Blondeau JP. **FEBS Lett** 1986 Aug 11; 204(1):41–6

Thyroid function in type 1 juvenile diabetes mellitus: tendency to the low T3 syndrome. Radetti G, et al. **Helv Paediatr Acta** 1985;40(6):461–6

Effect of different beta-blocking drugs and adrenaline on the conversion of thyroxine to triiodothyronine in isolated rat hepatocytes. Aanderud S, et al. **Horm Metab Res** 1986 Feb;18(2):110–3

Time-dependent effects of oral thyrotropin-releasing hormone in hyperthyroid female rats. Iglesias R, et al. **Horm Metab Res** 1986 Jul;18(7):454–6

Amiodarone inhibits T4 to T3 conversion and alpha-glycerophosphate dehydrogenase and malic enzyme levels in rat liver. Pekary AE, et al. **Horm Metab Res** 1986 Feb;18(2):114–8

Subcellular localization and binding of 125I-triiodothyronine in calf thyroid. Pisarev MA, et al. **Horm Metab Res** 1986 May;18(5):318–22

Intestinal absorption of labelled triiodothyronine in man. Mani LS, et al. **Indian J Gastroenterol** 1985 Oct;4(4):239–41

Inhibition of iodothyronine transport into rat liver cells by a monoclonal antibody. Mol JA, et al. **J Biol Chem** 1986 Jun 15;261(17):7640–3

Inner-ring deiodination of 3,5,3'-triiodothyronine in the in situ perfused guinea pig placenta. Castro MI, et al. **J Clin Invest** 1985 Nov;76(5):1921–6

Further evidence for the presence of thyroxine binding globulin-like protein in human breast adipose tissue. Deiodination of thyroxine and triiodothyronine by the microsomal fraction. Rao GS, et al. **J Endocrinol Invest** 1985 Dec;8(6):501–6

Thyroid hormone binding and regulation of adrenergic enzymes in two neuroblastoma cell lines. Safaei R, et al. **J Neurochem** 1985 Nov;45(5):1405–10

Effect of thyrotropin on conversion of T4 to T3 in perfused rat liver. Ikeda T, et al. **Life Sci** 1986 May 19;38(20):1801–6

Rapid and bacteria-dependent in vitro hydrolysis of iodothyronine-conjugates by intestinal contents of humans and rats. de Herder WW, et al. **Med Biol** 1986;64(1):31–5

Mechanism of action of thyroid hormones. Dillmann WH. **Med Clin North Am** 1985 Sep;69(5):849–61

Stereospecific transport of triiodothyronine to cytoplasm and nucleus in GH1 cells. Freake HC, et al. **Mol Cell Endocrinol** 1986 Jan;44(1):25–35

A non-responsive alpha-secreting thyrotropic tumor contains T3 receptors and a TSH beta gene. Shupnik MA, et al. **Mol Cell Endocrinol** 1986 Mar;44(3):279–84

Evolution of triiodothyronine nuclear binding sites in hypothalamic serum-free cultures: evidence for their presence in neurons and astrocytes. Puymirat J, et al. **Neurosci Lett** 1986 Aug 4;68(3):299–304

T3-producing thyroid adenocarcinoma: further studies with immunohistochemical staining directly evidencing the presence of T3 in the metastatic cancer. Aoki N, et al. **Nippon Gan Chiryo Gakkai Shi** 1985 Aug 20;20(7):1334–41

Effect of chronic treatment with estrogen and thyroxine, alone and combined, on the rate of deiodination of L-thyroxine to 3,5,3'-triiodothyronine in vitro. Scammell JG, et al. **Pharmacology** 1986;33(1):52–7

Decreased triiodothyronine binding to isolated nuclei from livers of preobese and obese (ob/ob) mice. Khan SG, et al. **Proc Soc Exp Biol Med** 1986 May;182(1):84–7

[Treatment of hyperthyroidism: inhibitors of T4-T3 conversion] Unger J. **Rev Med Brux** 1986 Jun;7(6):367–9 (Eng. Abstr.) (Fre)

[Binding of triiodothyronine to the nuclear matrix of the rat liver. The effect of thyroid hormones on the phosphorylation of nuclear matrix proteins] Adylova AT, et al. **Biokhimiia** 1986 Jan;51(1):112–7 (Eng. Abstr.) (Rus)

[Triiodothyronine interaction with liver nuclear matrix proteins of rats] Adylova AT, et al. **Dokl Akad Nauk SSSR** 1985;284(3):752–4 (Rus)

PHARMACODYNAMICS

The effect of triiodothyronine on the behaviour and learning ability of rats. Plevová J, et al. **Act Nerv Super (Praha)** 1985 Sep;27(3):227–8

Triiodothyronine increases responsiveness of cultured rat bone cells to parathyroid hormone. Schmid C, et al. **Acta Endocrinol (Copenh)** 1986 Feb;111(2):213–6

Influence of thyroid hormones on transport function and Na+-K+-ATPase activity in the rat choroid plexus. Lindvall-Axelsson M, et al. **Acta Physiol Scand** 1985 Dec; 125(4):627–32

Effects of thyroid hormone replacement on beta-adrenergic responsiveness of food-deprived rats. Barney CC, et al. **Am J Physiol** 1986 May;250(5 Pt 2):R861–7

Effects of thyroid hormones on calcium contents and 45Ca exchange in rat skeletal muscle. Everts ME, et al. **Am J Physiol** 1986 Sep;251(3 Pt 1):E258–65

Stimulation by thyroid hormone of renin mRNA in mouse submandibular gland. Karen P, et al. **Am J Physiol** 1986 Sep;251(3 Pt 1):E290–3

Further studies of the effect of thyroid hormones on Na+-H+ exchange in renal brush-border membrane vesicles (BBMV). Kinsella JL, et al. **Ann NY Acad Sci** 1985;456:445–7

Dissociation of the effect of thyroxine and triiodothyronine in relation to the halt, egg laying and molt in hens. Verheyen G, et al. **Arch Exp Veterinarmed** 1986 Mar; 40(2):250–9

Regulation of functional mRNA levels for trypsin-like esteroproteases by 5 alpha-dihydrotestosterone and triiodothyronine in mouse submandibular salivary gland. Takuma T, et al. **Arch Oral Biol** 1985;30(10):727–30

Requirements of glycerol and fatty acid for triglyceride synthesis and ketogenesis by hepatocytes from normal and triiodothyronine-treated rats. Olubadewo JO, et al. **Biochem Biophys Res Commun** 1985 Nov 15;132(3):1001–7

Effects of administration of tri-iodothyronine on the response of cardiac and renal pyruvate dehydrogenase complex to starvation for 48 h. Holness MJ, et al. **Biochem J** 1985 Nov 15;232(1):255–9

Stimulation of mouse liver glutathione S-transferase activity in propylthiouracil-trested mice in vivo by tri-iodothyronine. Williams MT, et al. **Biochem J** 1986 Jan 15;233(2):595–8

Tissue-specific regulation of two functional malic enzyme mRNAs by triiodothyronine. Dozin B, et al. **Biochemistry** 1985 Sep 24;24(20):5581–6

Thyroid hormone regulates transcription of the gene for cytosolic phosphoenolpyruvate carboxykinase (GTP) in rat liver. Loose DS, et al. **Biochemistry** 1985 Aug 13; 24(17):4509–12

Triiodothyronine-stimulated RNA synthesis in primary cultures of adult rat hepatocytes. Gallo G, et al. **Biochim Biophys Acta** 1985 Oct 30;847(1):140–6

The response of an established line of rat liver cells to thyroid hormone. Gregg VA, et al. **Biochim Biophys Acta** 1986 Aug 1;887(3):319–22

Synergism of triiodothyronine and corticosterone on muscle protein breakdown. Hayashi K, et al. **Biochim Biophys Acta** 1986 Aug 6;883(1):106–11

Effects of triiodothyronine on the synthesis of sulfolipids by oligodendrocyte-enriched glial cultures. Koper JW, et al. **Biochim Biophys Acta** 1986 Aug 1;887(3):327–34

Does thyroid hormone influence the maturation of cerebellar granule neurones? Balázs R, et al. **Biomed Biochim Acta**

1985;44(10):1469–82

The influence of triiodothyronine (T3) and inducers on hepatic drug metabolism in rats of different ages. Müller D, et al. **Biomed Biochim Acta** 1985;44(7–8):1171–9

Regulation of tubulin by triiodothyronine in hypothyroid rat brain. Mazumder A, et al. **Biosci Rep** 1985 Aug;5(8):643–8

Short term stimulation of lipogenesis by triiodothyronine in rat hepatocyte cultures. Cocco T, et al. **Boll Soc Ital Biol Sper** 1985 Apr 30;61(4):555–62

Triiodothyronine stimulates the production of insulin-like growth factor (IGF) by fetal hypothalamus cells cultured in serum-free medium. Binoux M, et al. **Brain Res** 1985 Aug;353(2):319–21

Effect of thyroid hormone analogs on the activity of choline acetyltransferase in cultures of dissociated septal cells. Hefti F, et al. **Brain Res** 1986 Jun 11;375(2):413–6

Does triiodothyronine influence the morphogenesis of fetal mouse mesencephalic dopaminergic neurons cultured in chemically defined medium? Puymirat J, et al. **Brain Res** 1985 Dec;355(2):315–7

Regulation of anchorage-independent growth by thyroid hormone in type 5 adenovirus-transformed rat embryo cells. Babiss LE, et al. **Cancer Res** 1985 Dec;45(12 Pt 1):6017–23

The influence of 3,3',5-triiodo-L-thyronine on growth survival and body composition of slow-growing development elvers (Anguilla rostrata L.). Degani G, et al. **Comp Biochem Physiol [A]** 1986;84(1):7–11

The effect of 3,5,3'-triiodo-L-thyronine on gill Na+/K+-ATPase of rainbow trout Salmo gairdneri, in fresh water. Omeljaniuk RJ, et al. **Comp Biochem Physiol [A]** 1986;84(3):427–9

Effect of triiodothyronine on intestinal and kidney isoenzymes of alkaline phosphatase and on vitamin D metabolism in adult female rats. Colston K, et al. **Comp Biochem Physiol [B]** 1986;83(3):681–4

The stimulation of sugar transport in heart cells grown in a serum-free medium by picomolar concentrations of thyroid hormones: the effects of insulin and hydrocortisone. Gordon A, et al. **Endocrinology** 1986 Jan;118(1):52–7

Stimulation of potassium efflux in rat liver by a low dose of thyroid hormone: evidence for enhanced cation permeability in the absence of Na,K-ATPase induction. Haber RS, et al. **Endocrinology** 1986 Jan;118(1):207–11

Dissociation of hepatic messenger ribonucleic acidS14 levels and nuclear transcriptional rates in suckling rats. Jump DB, et al. **Endocrinology** 1986 May;118(5):1892–6

High basal expression and 3,5,3'-triiodothyronine regulation of messenger ribonucleic acid S14 in lipogenic tissues. Jump DB, et al. **Endocrinology** 1985 Dec;117(6):2259–66

Insulin-like growth factor-I action on hypothyroid rat pituitary cells: suppression of triiodothyronine-induced growth hormone secretion and messenger ribonucleic acid levels. Melmed S, et al. **Endocrinology** 1986 Apr; 118(4):1483–90

Triiodothyronine rapidly decreases transcription of the thyrotropin subunit genes in thyrotropic tumor explants. Shupnik MA, et al. **Endocrinology** 1985 Nov;117(5):1940–6

Triiodothyronine (T3) regulation of thyrotropin subunit gene transcription is proportional to T3 nuclear receptor occupancy. Shupnik MA, et al. **Endocrinology** 1986 Jan; 118(1):367–71

Steroids and triiodothyronine reduce nerve growth factor concentrations in medium conditioned by L-929 fibroblasts. Siminoski K, et al. **Endocrinology** 1986 Apr;118(4):1417–25

Direct thyroid hormone activation of mitochondria: the role of adenine nucleotide translocase. Sterling K. **Endocrinology** 1986 Jul;119(1):292–5

The acute-phase induction of alpha 2-macroglobulin in rat hepatocyte primary cultures: action of a hepatocyte-stimulating factor, triiodothyronine and dexamethasone. Bauer J, et al. **Eur J Cell Biol** 1986 Mar; 40(1):86–93

Morphological and functional effects of triiodothyronine on regenerating peripheral nerve. Allpress SJ, et al. **Exp Neurol** 1986 Feb;91(2):382–91

Effect of chicken growth hormone, triiodothyronine and hypophysectomy in growing domestic fowl. Scanes CG, et al. **Growth** 1986 Spring;50(1):12–31

Hormonal regulation of thyrotropin alpha and beta subunit mRNAs. Gurr JA, et al. **Horm Metab Res** 1986 Jun; 18(6):382–5

The effect of ouabain on basal and thyroid hormone-stimulated muscle oxygen consumption. Wardlaw GM. **Int J Biochem** 1986;18(3):279–81

The effect of tri-iodothyronine (T3) on protein turnover and metabolic rate. Wolman SI, et al. **Int J Obes** 1985; 9(6):459–63

Thyroid hormone regulation of the transfected rat growth hormone promoter. Crew MD, et al. **J Biol Chem** 1986 Apr 15;261(11):5018–22

Thyroid hormone regulation of malic enzyme synthesis. Dual tissue-specific control. Dozin B, et al. **J Biol Chem** 1986 Aug 5;261(22):10290–2

Loss of thyroidal inducibility of Na,K-ATPase with neoplastic transformation in tissue culture. Guernsey DL, et al. **J Biol Chem** 1986 Sep 15;261(26):11956–61

Regulation of growth hormone mRNA synthesis by 3,5,3'-triiodo-L-thyronine in cultured growth hormone-producing rat pituitary tumor cells (GC cells). Dissociation between nuclear iodothyronine receptor concentration and growth hormone mRNA synthesis during the deoxyribonucleic acid synthesis phase of the cell cycle. Kumara-Siri MH, et al. **J Biol Chem** 1985 Nov 25;260(27):14529–37

Alterations in local chromatin structure accompany thyroid hormone induction of growth hormone gene transcription. Nyborg JK, et al. **J Biol Chem** 1986 May 5;261(13):5685–8

Coordinate induction of multiple cytochrome c mRNAs in response to thyroid hormone. Scarpulla RC, et al. **J Biol Chem** 1986 Apr 5;261(10):4660–2

Stimulation of facilitated [3H]uridine transport by thyroid hormone in GH1 cells. Evidence for regulation by the thyroid hormone nuclear receptor. Stanley F, et al. **J Biol Chem** 1986 Jul 15;261(20):9400–4

Multihormonal regulation and kinetics of induction of a hepatic mRNA sequence which is slowly responsive to triiodothyronine. Wong NC, et al. **J Biol Chem** 1986 Aug 5;261(22):10387–93

Intrathecal triiodothyronine administration causes greater heart rate stimulation in hypothyroid rats than intravenously delivered hormone. Evidence for a central nervous system site of thyroid hormone action. Goldman M, et al. **J Clin Invest** 1985 Oct;76(4):1622–5

In vivo stimulation of sugar uptake in rat thymocytes. An extranuclear action of 3,5,3'-triiodothyronine. Segal J, et al. **J Clin Invest** 1985 Oct;76(4):1575–80

Tri-iodothyronine and phenytoin reduce prolactin messenger RNA levels in cultured rat pituitary cells. Davis JR, et al. **J Endocrinol** 1986 Jun;109(3):359–64

Influence of the neonatal suppression of TSH production (neonatal hyperthyroidism) on response to TSH in adulthood. Czaba G, et al. **J Endocrinol Invest** 1985 Dec; 8(6):557–9

Hormonal regulation of growth and life span of bullfrog tadpole tail epidermal cells cultured in vitro. Nishikawa A, et al. **J Exp Zool** 1986 Feb;237(2):221–30

Steroid and thyroid hormone profiles following a single injection of partly purified salmon gonadotropin or GnRH analogues in male and female sea lamprey. Sower SA, et al. **J Exp Zool** 1985 Sep;235(3):403–8

Thyroid hormone antagonizes an aldosterone-induced protein: a candidate mediator for the late mineralocorticoid response. Truscello A, et al. **J Membr Biol** 1986; 89(2):173–83

Effect of thyroid hormone on protein turnover in cultured cardiac myocytes. Carter WJ, et al. **J Mol Cell Cardiol** 1985 Sep;17(9):897–905

Glucose transport in astrocytes: regulation by thyroid hormone. Roeder LM, et al. **J Neurochem** 1985 Nov; 45(5):1653–7

Effect of advanced age on the induction by androgen or thyroid hormone of epidermal growth factor and epidermal growth factor mRNA in the submandibular glands of C57BL/6 male mice. Gresik EW, et al. **Mech Ageing Dev** 1986 Apr;34(2):175–89

An altered response in the induction of cell membrane (Na + K)ATPase by thyroid hormone is characteristic of senescence in cultured human fibroblasts. Guernsey DL, et al. **Mech Ageing Dev** 1986 Feb;33(3):283–93

Renal concentrating ability in obesity. Effect of modified fasting and the supplementation of T3, sodium chloride and carbohydrate. Koppeschaar HP, et al. **Metabolism** 1985 Nov;34(11):1066–72

Regulation of protein phosphorylation by triiodothyronine (T3) in neural cell cultures. Part II: Neurons. Ruel J, et al. **Mol Cell Endocrinol** 1986 May;45(2–3):233–40

Regulation of protein phosphorylation by triiodothyronine (T3) in neural cell cultures. Part I: Astrocytes. Ruel J, et al. **Mol Cell Endocrinol** 1986 May;45(2–3):223–32

Effects of polyunsaturated fatty acids and hormones on synaptogenesis in serum-free medium cultures of mouse fetal hypothalamic cells. Tixier-Vidal A, et al. **Neuroscience** 1986;17(1):115–32

Ameliorating effects of thyroid hormone on rickets induced by a new rachitogenic diet. Shimazaki M, et al. **Osaka City Med J** 1985 Dec;31(2):83–91

Kinetics of triiodothyronine action on Na-K-ATPase in single segments of rabbit nephron. Barlet C, et al. **Pflugers Arch** 1986 Jul;407(1):27–32

Effect of thyroid hormones on growth hormone secretion in broiler chickens. Scanes CG, et al. **Poult Sci** 1986 Feb; 65(2):384–90

Milrinone and thyroid hormone stimulate myocardial membrane Ca2+-ATPase activity and share structural homologies. Mylotte KM, et al. **Proc Natl Acad Sci USA** 1985 Dec;82(23):7974–8

Thyroidal regulation of rat thymic and splenic (Na+ + K+)-adenosine triphosphatase. Klein LE, et al. **Thymus** 1985;7(6):367–76

PHYSIOLOGY

3,5,3'-Triiodothyronine regulates insulin level in the circulation following glucose ingestion in humans. Koh H, et al. **Arzneimittelforschung** 1986 Feb;36(2):262–5

Effects of thyroid hormone on alpha-actin and myosin heavy chain gene expression in cardiac and skeletal muscles of the rat: measurement of mRNA content using synthetic oligonucleotide probes. Gustafson TA, et al. **Circ Res** 1986 Aug;59(2):194–201

Sensitivity of thyrotropin (TSH) secretion to 3,5,3'-triiodothyronine and TSH-releasing hormone in rat during starvation. Hugues JN, et al. **Endocrinology** 1986 Jul;119(1):253–60

Stabilization of a specific nuclear mRNA precursor by thyroid hormone. Narayan P, et al. **Mol Cell Biol** 1985 Oct;5(10):2642–6

Interaction of thyroid hormone and nutritional signals on thyroid hormone action. Mariash CN, et al. **Mol Cell Endocrinol** 1985 Nov;43(1):3–13 (100 ref.)

Effect of thyroid hormones on liver microsomal enzyme induction in rats exposed to 2,3,7,8,-tetrachlorodibenzo-p-dioxin. Rozman K, et al. **Toxicology** 1985 Oct;37(1–2):51–63

[Interrelation between the thyroid and calcium-regulating hormones in patients with hypothyroidism] Karetnikov IuP. **Probl Endokrinol (Mosk)** 1986 May–Jun;32(3):14–7 (Eng. Abstr.) **(Rus)**

POISONING

[Acute factitious hyperthyroidism—moderate clinical symptoms in 3 cases under beta-blocker treatment] Keck FS, et al. **Klin Wochenschr** 1986 Apr 1;64(7):319–26 (Eng. Abstr.) **(Ger)**

SECRETION

Effects of phorbol esters on protein phosphorylation and free T3 release by mouse thyroid lobes. Haraguchi K, et al. **Acta Endocrinol (Copenh)** 1986 Jun;112(2):217–23

T3 releasing activity by Graves' sera from Graves' thyroid in vitro. Hoermann R, et al. **Acta Endocrinol (Copenh)** 1986 Apr;111(4):487–93

Specific stimulatory effects of Graves' IgG on the release of triiodothyronine from the patients' own thyroids. Yamashita S, et al. **Acta Endocrinol (Copenh)** 1986 Jun; 112(2):204–9

The effect of maneb, zineb, and ethylenethiourea on the humoral activity of the pituitary-thyroid axis in rat. Laisi A, et al. **Arch Toxicol [Suppl]** 1985;8:253–8

Acute changes of iodothyronine excretion by bile after a single and repeated administration of dexamethasone in rats. Langer P, et al. **Endocrinol Exp (Bratisl)** 1985 Dec; 19(4):253–60

Forskolin stimulation of 3, 5, 3'-triiodothyronine release from perifused rat thyroids. Mashita K, et al. **Endocrinol Jpn** 1985 Jun;32(3):441–5

Inhibitory effect of iopanoic acid on the thyrotropin-stimulated release of cyclic adenosine 3',5'-monophosphate and of 3,5,3'-triiodothyronine from perifused rat thyroids. Tajima K, et al. **Endocrinology** 1985 Nov;117(5):1813–7

Thyrotropin stimulation test—new perspective on value of monitoring triiodothyronine. Oliver JW, et al. **J Am Vet Med Assoc** 1985 Nov 1;187(9):931–4

[Postoperative hormonal reaction and direct results of the surgical treatment of patients with laryngeal cancer] Khmelevskil IaM, et al. **Anesteziol Reanimatol** 1985 Nov–Dec;(6):32–6 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Lithium potentiation of tricyclic antidepressants following lack of T3 potentiation. Garbutt JC, et al. **Am J Psychiatry** 1986 Aug;143(8):1038–9

Rapid reversal of myxedema madness with triiodothyronine [letter] Cook DM, et al. **Ann Intern Med** 1986 Jun; 104(6):893–4

Prevention of diabetes-induced myocardial dysfunction in rats by methyl palmoxirate and triiodothyronine treatment. Tahiliani AG, et al. **Can J Physiol Pharmacol** 1985 Aug; 63(8):925–31

Treatment of endemic goitre with iodine and thyroid hormones, alone or in combination. (Preliminary report). Koutras DA, et al. **Endocrinol Exp (Bratisl)** 1986 Mar; 20(1):57–65

Critical evaluation of serum thyroglobulin (Tg) levels during thyroid hormone suppression therapy versus Tg levels after hormone withdrawal and total body scan: results in 291 patients with thyroid cancer. Girelli ME, et al. **Eur J Nucl Med** 1986;11(9):333–5

Erythropoietic effects of triiodothyronine on the anemia of renal failure in rats: comparative studies with testosterone and erythropoietin. Malgor LA, et al. **Exp Hematol** 1986 May;14(4):250–6

Impaired ventilatory drive in short-term primary hypothyroidism and its reversal by L-triiodothyronine. Ambrosino N, et al. **J Endocrinol Invest** 1985 Dec; 8(6):533–6

Triiodothyronine therapy: an iatrogenic bait. Gonzalez JJ. **NC Med J** 1985 Nov;46(11):568–9

Study on the mechanism of the antirachitic effects of T3. Masuda H, et al. **Osaka City Med J** 1985 Dec;31(2):93–101

Prediction of outcome in Graves' disease after carbimazole treatment. Weetman AP, et al. **Q J Med** 1986 Apr; 59(228):409–19

[Therapy of juvenile struma. Comparison between combination treatment and monotherapy] Homoki J, et al. **Monatsschr Kinderheilkd** 1985 Aug;133(8):532–6 (Eng. Abstr.) **(Ger)**

[A case of generalized tissue resistance to thyroid hormones] Lakatos P, et al. **Orv Hetil** 1986 Mar 9;127(10):583–6 (Eng. Abstr.) **(Hun)**

[Thyroxine and triiodothyronine in substitution therapy in patients with primary hypothyroidism] Morosini PP, et al. **Minerva Endocrinol** 1985 Apr–Jun;10(2):93–6 (Eng. Abstr.) **(Ita)**

[Aldosterone content and renin activity in the plasma of hypothyroidism patients before and during treatment with thyroid preparations] Egart FM, et al. **Probl Endokrinol (Mosk)** 1986 Jan-Feb;32(1):35–8 (Eng. Abstr.) (Rus)

[Psychosomatic development and levels of thyroid hormones in children with congenital hypothyroidism and substitution using 2 different preparations] Dluholucký S, et al. **Cesk Pediatr** 1986 May;41(5):259–63 (Eng. Abstr.) (Slo)

[Primary hypothyroidism with enlarged sella turcica: course under treatment] Fisher S, et al. **Rev Med Chil** 1985 Oct; 113(10):983–8 (Eng. Abstr.) (Spa)

3,3',5'-TRIIODOTHYRONINE see **TRIIODOTHYRONINE, REVERSE**

TRIIODOTHYRONINE, REVERSE

BIOSYNTHESIS

Skin is an active site for the inner ring monodeiodination of thyroxine to 3,3',5'-triiodothyronine. Huang TS, et al. **Endocrinology** 1985 Nov;117(5):2106–13

The inner ring (5–) monodeiodination of thyroxine (T4) in cerebral cortex during fetal, neonatal, and adult life. Huang TS, et al. **Metabolism** 1986 Mar;35(3):272–7

BLOOD

Plasma free and total iodothyronine levels in hypophysectomized and intact lamb foetuses during the last third of gestation. Wrutniak C, et al. **Acta Endocrinol (Copenh)** 1985 Nov;110(3):388–94

Interrelationships between serum levels of amiodarone, desethylamiodarone, reverse T3 and the QT interval during long-term amiodarone treatment. Baerman JM, et al. **Am Heart J** 1986 Apr;111(4):644–8

Relation of serum reverse T3 to amiodarone antiarrhythmic efficacy and toxicity. Kerin NZ, et al. **Am J Cardiol** 1986 Jan 1;57(1):128–30

Plasma iodothyronines in the domestic fowl: newly hatched to early adult stages, with special reference to reverse triiodothyronine (rT3). Hylka VW, et al. **Comp Biochem Physiol [A]** 1986;84(2):275–7

Glucagon administration induces lowering of serum T3 and rise in reverse T3 in euthyroid healthy subjects. Kabadi UM, et al. **Horm Metab Res** 1985 Dec;17(12):667–70

The effects of phenytoin (diphenylhydantoin) on the extrathyroidal turnover of thyroxine, 3,5,3'-triiodothyronine, 3,3',5'-triiodothyronine, and 3',5'-diiodothyronine in man. Faber J, et al. **J Clin Endocrinol Metab** 1985 Dec;61(6):1093–9

Thyroid indices in arterial and venous cord blood: significantly greater levels of reverse triiodothyronine in venous blood than in arterial blood. Penny R, et al. **Metabolism** 1986 Jul;35(7):645–8

[Clinical significance of the measurement of serum rT3 in thyroid diseases] Hu RM. **Chung Hua I Hsueh Tsa Chih** 1985 Dec;65(12):732–5 (Eng. Abstr.) (Chi)

[Serum thyroid hormones in thyroid and nonthyroid disorders: with special emphasis on reverse triiodothyronine measurement] Hsu CH, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Dec;84(12):1313–22 (Eng. Abstr.) (Chi)

[Changes in the levels of reverse triiodothyronine (rT3) during and after surgery of the thyroid gland] Sturniolo G, et al. **Minerva Med** 1986 May 19;77(21):923–5 (Eng. Abstr.) (Ita)

METABOLISM

The bioavailability of thyroxine and 3,5,3'-triiodothyronine in normal subjects and in hyper- and hypothyroid patients. Hasselström K, et al. **Acta Endocrinol (Copenh)** 1985 Dec; 110(4):483–6

PHARMACODYNAMICS

Thyroid hormones in rats during long-term cold exposure and hypometabolic effect of reverse triiodothyronine on adrenaline induced thermogenesis. Vybíral S, et al. **Endocrinol Exp (Bratisl)** 1985 Sep;19(3):179–85

3,3',5'-Triiodothyronine inhibits iodothyronine-5'-deiodinating activity induced by 3,5,3'-triiodothyronine at equimolar concentrations in cultured fetal mouse liver. Han DC, et al. **Endocrinology** 1986 Sep;119(3):1076–82

In vivo inhibition of the 5'-deiodinase type II in brain cortex and pituitary by reverse triiodothyronine. Kaiser CA, et al. **Endocrinology** 1986 Aug;119(2):762–70

SECRETION

Acute changes of iodothyronine excretion by bile after a single and repeated administration of dexamethasone in rats. Langer P, et al. **Endocrinol Exp (Bratisl)** 1985 Dec; 19(4):253–60

TRIKETOCHOLANIC ACID see **DEHYDROCHOLIC ACID**

TRILOGY OF FALLOT see under **HEART SEPTAL DEFECTS, ATRIAL**

TRIMEBUTINE see under **BENZOATES**

TRIMECAINE see under **ACETANILIDES**

TRIMEDOXIME see under **OXIMES**

TRIMEPRANOL see under **PROPANOLAMINES**

TRIMEPRAZINE

Temazepam and trimeprazine compared with placebo as premedication in children. An investigation extended into the first 2 weeks at home. Padfield NL, et al. **Br J Anaesth** 1986 May;58(5):487–93

METABOLISM

Relative bioavailability of trimeprazine tablets investigated in man using HPLC with electrochemical detection. Hu OY, et al. **J Pharm Pharmacol** 1986 Mar;38(3):172–6

[Biotransformation of alimemazine] Pfeifer S, et al. **Pharmazie** 1986 Feb;41(2):111–3 (Eng. Abstr.) (Ger)

TRIMESTER, FIRST see **PREGNANCY TRIMESTER, FIRST**

TRIMESTER, SECOND see **PREGNANCY TRIMESTER, SECOND**

TRIMESTER, THIRD see **PREGNANCY TRIMESTER, THIRD**

TRIMETAPHAN see **TRIMETHAPHAN**

TRIMETAZIDINE see under **PIPERAZINES**

TRIMETHADIONE see under **OXAZOLES**

TRIMETHAPHAN

PHARMACODYNAMICS

Effect of carotid artery occlusion and ganglionic blockade on regional blood flows and intestinal damage after haemorrhagic hypotension in the rat. Grögaard B, et al. **Acta Physiol Scand** 1986 May;127(1):17–25

In defense of trimethaphan for use in preeclampsia [letter] Sosis M, et al. **Anesthesiology** 1986 May;64(5):657–8

Prophylactic action of hexamethonium, trimethaphan, and mecamylamine against diisopropyl fluorophosphate poisoning in mice. Chiou GC, et al. **Fundam Appl Toxicol** 1986 Jan;6(1):35–43

The influence of trimethaphan (Arfonad)-induced hypotension with and without spine distraction on canine spinal cord blood flow. Kling TF Jr, et al. **Spine** 1986 Apr; 11(3):219–24

[Effect of trimethaphan-induced hypotension on pituitary-adrenocortical function] Murakawa T, et al. **Masui** 1986 Mar;35(3):407–10 (Eng. Abstr.) (Jpn)

[Effect of controlled hypotension on inorganic fluoride and renal function after enflurane anesthesia. Difference between trimetaphan and sodium nitroprusside] Tanifuji Y, et al. **Masui** 1985 Jul;34(7):953–9 (Eng. Abstr.) (Jpn)

THERAPEUTIC USE

Plasma catecholamine changes during cardiopulmonary bypass: a randomised double blind comparison of trimetaphan camsylate and sodium nitroprusside. Corr L, et al. **Br Heart J** 1986 Jul;56(1):89–93

[Result of randomized comparative clinical study of nicardipine hydrochloride and trimethaphan camsylate on control of blood pressure during surgery] Momose T, et al. **Masui** 1986 Apr;35(4):540–50 (Eng. Abstr.) (Jpn)

[A comparison between nicardipine hydrochloride (YC-93) and trimethaphan camsylate for treatment of acute hypertension during surgery. A double blind study in 12 institutions] Tamai S, et al. **Masui** 1986 Apr;35(4):528–39 (Eng. Abstr.) (Jpn)

TRIMETHOPRIM

Emergence of trimethoprim resistance in fecal flora. Huovinen P, et al. **Antimicrob Agents Chemother** 1985 Aug; 28(2):354–6

ADMINISTRATION & DOSAGE

Rifampin alone or with trimethoprim for contacts of children with Haemophilus influenzae type b infections. Jadavji T, et al. **Can Med Assoc J** 1986 Aug 15;135(4):328–31

Trimethoprim sulphamoxole in the treatment of chancroid. Comparison of two single dose treatment regimens with a five day regimen. Dylewski J, et al. **J Antimicrob Chemother** 1985 Jul;16(1):103–9

Comparison of single dose with a five-day course of trimethoprim for asymptomatic (covert) bacteriuria of pregnancy. Bailey RR, et al. **NZ Med J** 1986 Jul 9; 99(805):501–3

[A case of Pneumocystis carinii pneumonia successfully treated with co-trimoxazole and pentamidine for intravenous injection] Hibino J, et al. **Kansenshogaku Zasshi** 1985 May;59(5):500–6 (Eng. Abstr.) (Jpn)

[Acute dysuria/pollakisuria syndrome in women] Gossius G, et al. **Tidsskr Nor Laegeforen** 1986 Jun 10;106(16):1398–400 (Eng. Abstr.) (Nor)

[Treatment of acute cystitis in women. Single-dose versus a 3-day and 10-day therapeutic regimen with with trimethoprim-sulfamethoxazole] Gossius G, et al. **Tidsskr Nor Laegeforen** 1986 Jun 10;106(16):1395–8 (Eng. Abstr.) (Nor)

[Therapeutic activity of Oriprim in bronchopulmonary diseases] Zamotaev IP, et al. **Ter Arkh** 1986;58(4):128–30 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Acute pancrestitis associated with trimethoprim-sulfamethoxazole. Antonow DR. **Ann Intern Med** 1986 Mar;104(3):363–5

Dapsone, trimethoprim-sulfamethoxazole, and the acquired immunodeficiency syndrome [letter] Edelson PJ, et al. **Ann Intern Med** 1985 Dec;103(6 (Pt 1)):963

Intravenous trimethoprim-sulfamethoxazole and ataxia [letter] Liu LX, et al. **Ann Intern Med** 1986 Mar;104(3):448

Adverse reaction to sulphonamides in a burned patient—a case report. Sawada Y. **Burns Incl Therm Inj** 1985 Dec; 12(2):127–31

Fixed drug eruption to trimethoprim [letter] Kanwar AJ, et al. **Dermatologica** 1986;172(4):230–1

Postantibiotic fever, jaundice, dysuria. Karim AH, et al. **Hosp Pract [Off]** 1986 Mar 15;21(3):148, 150

Rapid onset of co-trimoxazole induced interstitial nephritis. Chandra M, et al. **Int J Pediatr Nephrol** 1985 Oct-Dec; 6(4):289–92

Hepatic toxicity associated with trimethoprim-sulfamethoxazole: report of a case. Bartlett JC, et al. **J Am Osteopath Assoc** 1985 Jun;85(6):381–2

Acute psychosis in a patient receiving trimethoprim-sulfamethoxazole intravenously. Mermel LA, et al. **J Clin Psychiatry** 1986 May;47(5):269–70

Recurrence of phototoxic skin eruption due to trimethoprim [letter] Chandler MJ. **J Infect Dis** 1986 May;153(5):1001

Aseptic meningitis due to trimethoprim-sulfamethoxazole [letter] Bioaca M, et al. **J Neurol Neurosurg Psychiatry** 1986 Mar;49(3):332–3

Methotrexate toxicity in a patient receiving trimethoprim-sulfamethoxazole. Thomas MH, et al. **J Rheumatol** 1986 Apr;13(2):440–1

Pseudomembranous colitis following low dose trimethoprim-sulfamethoxazole. Ruff D, et al. **J Urol** 1985 Dec;134(6):1218–9

Co-trimoxazole resistance [editorial] **Lancet** 1986 Feb 15; 1(8477):364

Co-trimoxazole in AIDS [letter] Gaylarde PM, et al. **Lancet** 1986 May 24;1(8491):1218

Drug-induced hepatitis and lymphocyte transformation test in presence of prostaglandin inhibitor [letter] Victorino RM, et al. **Lancet** 1986 May 24;1(8491):1209–10

Neutropenia induced by short-term oral trimethoprim-sulfamethoxazole therapy; case report. Harris GJ, et al. **Wis Med J** 1986 Mar;85(3):19–21

[Pancytopenia and Salmonella infantis infection] Uppenkamp M, et al. **Internist (Berlin)** 1986 Feb;27(2):118–23 (Ger)

[Adverse effects in trimethoprim therapy] Gossius G. **Tidsskr Nor Laegeforen** 1986 Jan 20;106(2):147–9 (Nor)

[Cholestasis caused by co-trimoxazole. Presentation of a new patient and review of the literature] Acero D, et al. **Rev Esp Enferm Apar Dig** 1985 Aug;68(2):169–73 (Eng. Abstr.) (Spa)

[Symptoms of meningitis after trimethoprim treatment] Karlsson M. **Lakartidningen** 1986 Aug 6;83(32–33):2666–7 (Swe)

ANALOGS & DERIVATIVES

Pharmacokinetics of brodimoprim in serum and skin blister fluid. Kalager T, et al. **Chemotherapy** 1985;31(6):405–9

Comparison of brodimoprim and doxycycline in acute respiratory tract infections. A double-blind clinical trial. Salmi HA, et al. **Drugs Exp Clin Res** 1986;12(4):349–53

[Synthesis and antibacterial activity of new analogs of trimethoprim] Calas M, et al. **Ann Pharm Fr** 1985; 43(6):585–93 (Eng. Abstr.) (Fre)

ANALYSIS

Penetration of trimethoprim and sulfamethoxazole into cysts in a patient with autosomal-dominant polycystic kidney disease. Schwab SJ, et al. **Am J Kidney Dis** 1986 May; 7(5):434–8

Assessment of antimicrobial penetrance into the pancreatic juice in humans. Wallace JR, et al. **Surg Gynecol Obstet** 1986 Apr;162(4):313–6

ANTAGONISTS & INHIBITORS

Reversal of the in vitro susceptibility of enterococci to trimethoprim-sulfamethoxazole by folinic acid. Zervos MJ, et al. **Antimicrob Agents Chemother** 1985 Sep;28(3):446–8

BLOOD

Distribution of trimethoprim and sulphamethoxazole in blood during treatment with co-trimoxazole. Nowak A, et al. **Eur J Clin Pharmacol** 1985;29(2):231–4

Changes of pharmacokinetics of trimethoprim after pretreatment with streptococcal peptidoglycan. Lavický

J, et al. **Eur J Drug Metab Pharmacokinet** 1986 Jan-Mar; 11(1):17-22

Interaction of antimicrobial agents with human peripheral blood leucocytes: uptake and intracellular localization of certain sulphonamides and trimethoprims. Climax J, et al. **J Antimicrob Chemother** 1986 Apr;17(4):489-98

Serum trimethoprim and sulphamethoxazole levels in AIDS [letter] Bowden FJ, et al. **Lancet** 1986 Apr 12;1(8485):853

Pharmacokinetics of sulfamethoxazole and trimethoprim association in hens. Queralt J, et al. **Poult Sci** 1985 Dec; 64(12):2362-7

[Liquid chromatography determination of trimethoprim in biological fluids] Csiba A. **Acta Pharm Hung** 1985 Nov; 55(6):277-84 (Eng. Abstr.) **(Hun)**

IMMUNOLOGY

Co-trimoxazole desensitization in bone marrow transplantation [letter] Hughes TE, et al. **Ann Intern Med** 1986 Jul;105(1):148

METABOLISM

Uptake of trimethoprim by renal cortex. Cacini W, et al. **Biochem Pharmacol** 1985 Oct 1;34(19):3483-8

Trimethoprim binding to Lactobacillus casei dihydrofolate reductase: a 13C NMR study using selectively 13C-enriched trimethoprim. Cheung HT, et al. **Biochemistry** 1986 Apr 22;25(8):1925-31

Pharmacokinetics of the trimethoprim-sulphamethoxazole combination in the elderly. Varoquaux O, et al. **Br J Clin Pharmacol** 1985 Dec;20(6):575-81

Age-related alterations in trimethoprim-sulfadiazine disposition following oral or parenteral administration in calves. Guard CL, et al. **Can J Vet Res** 1986 Jul;50(3):342-6

Pharmacokinetics of oral co-trimazine and the penetration of its components sulfadiazine and trimethoprim into peripheral human lymph. Bergan T, et al. **Chemotherapy** 1986;32(3):209-21

Trimethoprim: prediction of serum concentrations from saliva measurements. Watson ID, et al. **Eur J Clin Pharmacol** 1986;30(4):457-61

Crystallographic investigation of the cooperative interaction between trimethoprim, reduced cofactor and dihydrofolate reductase. Champness JN, et al. **FEBS Lett** 1986 Apr 7; 199(1):61-7

Comparative pharmacokinetic study of four different sulfonamides in combination with trimethoprim in human volunteers. Garg SK, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Jan;24(1):23-5

Distribution of trimethoprim and sulfametopyrazine in the female reproductive tract. Preza PC, et al. **J Int Med Res** 1986;14(2):101-4

[Inhibitor and bactericidal activity of the serum and urine of subjects treated with trimethoprim, sulfadiazine and with a combination of the 2 drugs, cotrimazine] Coccia E, et al. **G Ital Chemioter** 1985 Jan-Apr;32(1):217-24 (Eng. Abstr.) **(Ita)**

[Pharmacokinetics of the combined preparation trimezole--Farmakhim. II. Comparative pharmacokinetic studies of trimezole and biseptol in healthy volunteers] Mikhallova D, et al. **Eksp Med Morfol** 1986;25(1):13-20 (Eng. Abstr.) **(Rus)**

[Absorption characteristics of sulfamethoxazole combined with trimethoprim] Cid E, et al. **Rev Med Chil** 1985 Jul; 113(7):673-7 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Studies of the effects of trimethoprim and sulfamethoxazole on human granulopoiesis. Bjornson BH, et al. **Am J Hematol** 1986 Sep;23(1):1-7

Genetic basis of trimethoprim and O/129 resistance in Vibrio cholerae. Gerbaud G, et al. **Ann Inst Pasteur Microbiol** 1985 Nov-Dec;136B(3):265-73

Plasmid-encoded trimethoprim resistance in staphylococci. Archer GL, et al. **Antimicrob Agents Chemother** 1986 May; 29(5):733-40

Evolution and spread of IncFIV plasmids conferring resistance to trimethoprim. Campbell IG, et al. **Antimicrob Agents Chemother** 1986 May;29(5):807-13

In vitro and in vivo efficacy of the combination trimethoprim-sulfamethoxazole against clinical isolates of methicillin-resistant Staphylococcus aureus. Elwell LP, et al. **Antimicrob Agents Chemother** 1986 Jun;29(6):1092-4

Antibacterial activity of phosphanilic acid, alone and in combination with trimethoprim. Misiek M, et al. **Antimicrob Agents Chemother** 1985 Dec;28(6):761-5

Variability of IncHI1 plasmids from Salmonella typhi with special reference to Peruvian plasmids encoding resistance to trimethoprim and other antibiotics. Taylor DE, et al. **Antimicrob Agents Chemother** 1985 Sep;28(3):452-5

Emergence of sulfamethoxazole-trimethoprim resistant Shigella flexneri in Northeastern Brazil. Tiemens KM, et al. **Arq Gastroenterol** 1985 Oct-Dec;22(4):162-5

Characterisation of a new transposon-mediated trimethoprim-resistant dihydrofolate reductase. Young HK, et al. **Biochem Pharmacol** 1985 Dec 15;34(24):4334-7

Cotrimoxazole as an inhibitor of oxidative drug metabolism: effects of trimethoprim and sulphamethoxazole separately and combined on tolbutamide disposition. Wing LM, et al. **Br J Clin Pharmacol** 1985 Nov;20(5):482-5

The effect of cotrimoxazole on the absorption of orally administered 6-mercaptopurine in the rat. Burton NK, et al. **Cancer Chemother Pharmacol** 1986;16(1):83-4

High-level trimethoprim resistance in urinary bacteria. Amyes SG, et al. **Eur J Clin Microbiol** 1986 Jun;5(3):287-91

Susceptibility of obligate anaerobes to trimethoprim-sulfamethoxazole. Indiveri MC, et al. **J Am Vet Med Assoc** 1986 Jan 1;188(1):46-8

A follow-up survey of transferable, plasmid-encoded trimethoprim resistance in a general hospital (1975-1983). Chirnside ED, et al. **J Antimicrob Chemother** 1985 Oct; 16(4):419-34

Transposable resistance to trimethoprim and O/129 in Vibrio cholerae. Goldstein F, et al. **J Antimicrob Chemother** 1986 May;17(5):559-69

Trimethoprim resistance of Escherichia coli in outpatients in Finland after ten years' use of plain trimethoprim. Huovinen P, et al. **J Antimicrob Chemother** 1985 Oct; 16(4):435-41

Recording of antimicrobial resistance of urinary tract isolates--effect of repeat samples on resistance levels. Huovinen P. **J Antimicrob Chemother** 1985 Oct;16(4):443-7

An in-vitro study of oral therapeutic doses of co-trimoxazole and erythromycin stearate on abnormal polymorphonuclear leucocyte migration. Ras GJ, et al. **J Antimicrob Chemother** 1986 Feb;17(2):185-93

Effect of trimethoprim on serum creatinine in patients with acute cystitis [letter] Sandberg T, et al. **J Antimicrob Chemother** 1986 Jan;17(1):123-4

Trimethoprim resistance amongst urinary pathogens in south India. Young HK, et al. **J Antimicrob Chemother** 1986 May; 17(5):615-21

Plasmid trimethoprim resistance in Vibrio cholerae: migration of the type I dihydrofolate reductase gene out of the Enterobacteriaceae. Young HK, et al. **J Antimicrob Chemother** 1986 Jun;17(6):697-703

A new mechanism of plasmid trimethoprim resistance. Characterization of an inducible dihydrofolate reductase. Young HK, et al. **J Biol Chem** 1986 Feb 25;261(6):2503-5

Spurious sulfamethoxazole-trimethoprim resistance of Salmonella typhi. Escamilla J, et al. **J Clin Microbiol** 1986 Jan;23(1):205-6

In vitro susceptibility of Pseudomonas species to carbenicillin and trimethoprim-sulfamethoxazole. Hill SF, et al. **J Clin Microbiol** 1985 Sep;22(3):465-6

Unusual expression of new low-level-trimethoprim-resistance plasmids. Young HK, et al. **J Clin Microbiol** 1986 Jul;24(1):61-4

Transferable resistance to trimethoprim in enteric pathogens isolated in Kuwait. Chugh TD. **J Hyg (Lond)** 1985 Oct; 95(2):391-5

The changing pattern of resistance to ampicillin and co-trimoxazole in Shigella serotypes in Bangalore, southern India [letter] Macaden R, et al. **J Infect Dis** 1985 Dec; 152(6):1348

Increasing resistance to trimethoprim-sulfamethoxazole among isolates of Escherichia coli in developing countries. Murray BE, et al. **J Infect Dis** 1985 Dec;152(6):1107-13

Influence of trimethoprim and sulfamethoxazole on the synthesis, expression, and function of type 1 fimbriae of Escherichia coli. Schifferli DM, et al. **J Infect Dis** 1986 Sep;154(3):490-6

Distribution and genetic location of Tn7 in trimethoprim-resistant Escherichia coli. Kraft CA, et al. **J Med Microbiol** 1986 Sep;22(2):125-31

Lack of influence of co-trimoxazole on theophylline pharmacokinetics. Jonkman JH, et al. **J Pharm Sci** 1985 Oct;74(10):1103-4

Co-trimoxazole resistance in Jamaica [letter] Macfarlane DE. **Lancet** 1986 Apr 19;1(8486):923

Nucleotide sequence analysis of the trimethoprim resistant dihydrofolate reductase encoded by R plasmid R751. Flensburg J, et al. **Nucleic Acids Res** 1986 Jul 25;14(14):5933

Trimethoprim: mechanisms of action, antimicrobial activity, bacterial resistance, pharmacokinetics, adverse reactions, and therapeutic indications. Gleckman R, et al. **Pharmacotherapy** 1981 Jul-Aug;1(1):14-20

The antimicrobial activities of trimethoprim and sulfonamides. Burman LG. **Scand J Infect Dis** 1986; 18(1):3-13 (51 ref.)

Selective elimination of Enterobacteriaceae from the digestive tract in rats with trimethoprim. Koopman JP, et al. **Z Versuchstierkd** 1985;27(3-4):143-8

[The resistance of urinary tract bacteria in hospital environment over a 4-year period. A prospective study with special reference to trimethoprim, sulfonamide and a combination of them] Busk HE, et al. **Ugeskr Laeger** 1985 Nov 25;147(48):3895-7 (Eng. Abstr.) **(Dan)**

[Antibiotic resistance of Escherichia coli. Importance of the resistance to trimethoprim-sulfamethoxazole] Riou B, et al. **Ann Med Interne (Paris)** 1985;136(5):412-5 (Eng. Abstr.) **(Fre)**

[Effect of Biseptol on the state of gastric mucosa in the white rat under experimental conditions (after excision of one lobe of the liver or one kidney)] Czerny K, et al. **Gegenbaurs Morphol Jahrb** 1986;132(2):291-7 (Eng. Abstr.) **(Ger)**

[Behavior of selected oxidoreductases in histochemical and electro- phoretic studies of the rat kidney after administration of Biseptol 480 (co-trimoxazole)] Kifer ET, et al. **Gegenbaurs Morphol Jahrb** 1985;131(4):525-35 (Eng. Abstr.) **(Ger)**

[Histochemical and electrophoretic determination of a selected element of the rat myocardium metabolism as exemplified by lactate dehydrogenase (LDH/E.C.1.1.1.27/) following administration of the preparation Biseptol 480 (co-trimoxazole)] Matysiak WJ, et al. **Gegenbaurs Morphol Jahrb** 1985;131(3):337-46 (Eng. Abstr.) **(Ger)**

[In vitro antibacterial activity of the trimethoprim/sulfadiazine combination] Russo G, et al. **G Ital Chemioter** 1985 Jan-Apr;32(1):211-5 **(Ita)**

THERAPEUTIC USE

Prophylactic use of gentamicin, cotrimoxazole, and cephalosporins in 10 hospitals in Czechoslovakia. Grunt J, et al. **Am J Hosp Pharm** 1986 Jan;43(1):141-3

Single-dose trimethoprim-sulfamethoxazole prophylaxis for cesarean section. Ganesh V, et al. **Am J Obstet Gynecol** 1986 May;154(5):1113-4

Trimethoprim-sulfamethoxazole or pentamidine for Pneumocystis pneumonia in the acquired immunodeficiency syndrome [letter] **Ann Intern Med** 1986 Oct;105(4):629-30

Dapsone-trimethoprim for Pneumocystis carinii pneumonia in the acquired immunodeficiency syndrome. Leoung GS, et al. **Ann Intern Med** 1986 Jul;105(1):45-8

Trimethoprim-sulfamethoxazole or pentamidine for Pneumocystis carinii pneumonia in the acquired immunodeficiency syndrome. A prospective randomized trial. Wharton JM, et al. **Ann Intern Med** 1986 Jul; 105(1):37-44

Trimethoprim-polymyxin B ophthalmic solution in treatment of surface ocular bacterial infections. Nozik RA, et al. **Ann Ophthalmol** 1985 Dec;17(12):746-8

Brucellar arthritis in children and its successful treatment with trimethoprim-sulphamethoxazole (co-trimoxazole). Gómez-Reino FJ, et al. **Ann Rheum Dis** 1986 Mar; 45(3):256-8

Effect of folinic acid on the capacity of trimethoprim-sulfamethoxazole to prevent and treat Pneumocystis carinii pneumonia in rats. D'Antonio RG, et al. **Antimicrob Agents Chemother** 1986 Feb;29(2):327-9

Role of a novel antidiarrheal agent, BW942C, alone or in combination with trimethoprim-sulfamethoxazole in the treatment of traveler's diarrhea. Ericsson CD, et al. **Antimicrob Agents Chemother** 1986 Jun;29(6):1040-6

Emergence of trimethoprim resistance in relation to drug consumption in a Finnish hospital from 1971 through 1984. Huovinen P, et al. **Antimicrob Agents Chemother** 1986 Jan; 29(1):73-6

Randomized comparative study of amoxicillin-clavulanic acid and co-trimoxazole in the treatment of acute urinary tract infections in adults. Karachalios GN. **Antimicrob Agents Chemother** 1985 Nov;28(5):693-4

Antimicrobial therapy of experimental Legionella micdadei pneumonia in guinea pigs. Pasculle AW, et al. **Antimicrob Agents Chemother** 1985 Dec;28(6):730-4

Single-dose antibiotic therapy for urinary tract infections and type II error [letter] Jordan NS. **Arch Intern Med** 1986 Feb;146(2):413-4

Changing role of co-trimoxazole in the treatment of recurrent urinary infections: a comparison with augmentin. Brumfitt W, et al. **Br J Clin Pract** 1985 Sep;39(9):346-51

Further data on augmentin and co-trimoxazole in the treatment of urinary tract infection. Matts SG, et al. **Br J Clin Pract** 1985 May;39(5):179-84

Prophylactic single-dose co-trimoxazole for prevention of urinary tract infection after abdominal hysterectomy. Jaffe R, et al. **Chemotherapy** 1985;31(6):476-9

Murine model for therapy of listeriosis in the compromised host. IV. Cotrimoxazole. Kawaler B, et al. **Chemotherapy** 1985;31(5):366-71

A multi-centre general practice clinical evaluation of pivmecillinam plus pivampicillin ('Miraxid') and co-trimoxazole ('Septrin') in respiratory tract infections. Wallace RB, et al. **Curr Med Res Opin** 1985;9(10):659-65

Successful treatment of nocardial thigh abscess and possible brain abscess with co-trimoxazole [letter] Fernández-Guerrero ML, et al. **Eur J Clin Microbiol** 1985 Aug;4(4):430-1

Efficacy of oral treatment with acyclovir and co-trimoxazole in first episode genital herpes. Kinghorn GR, et al. **Genitourin Med** 1986 Feb;62(1):33-7

A double-blind comparative study of trimethoprim versus trimethoprim-sulphamethaxazole combination in pneumonia. Kulpati DD, et al. **Indian J Chest Dis Allied Sci** 1984 Oct-Dec;26(4):225-9

An assessment of amoxycillin versus co-trimoxazole in respiratory tract infections. Sharma NG. **Indian J Chest Dis Allied Sci** 1984 Oct-Dec;26(4):230-3

A clinical comparison between Macrodantin and trimethoprim for prophylaxis in women with recurrent urinary infections. Brumfitt W, et al. **J Antimicrob Chemother** 1985 Jul;16(1):111-20

Norfloxacin versus trimethoprim-sulphamethoxazole: efficacy in a model of ascending urinary tract infection in normal and streptozotocin-induced diabetic mice. Fromtling RA, et al. **J Antimicrob Chemother** 1985 Dec; 16(6):735-41

Treatment of urinary tract infections [letter] Dunlay J. **J Fam Pract** 1986 Apr;22(4):322, 324

Comparative trial of co-trimoxazole versus tetracycline-streptomycin in treating human brucellosis [letter] Ariza J, et al. **J Infect Dis** 1985 Dec;152(6):1358-9

Randomized study of single-dose, three-day, and seven-day

treatment of cystitis in women. Greenberg RN, et al. **J Infect Dis** 1986 Feb;153(2):277–82
Comparative study of ceftriaxone and trimethoprim–sulfamethoxazole for the treatment of chancroid in Thailand. Taylor DN, et al. **J Infect Dis** 1985 Nov;152(5):1002–6
Kelfiprim. A new sulfa–trimethoprim combination in urinary tract infections. Tanphaichitra D. **J Med Assoc Thai** 1985 Jul;68(7):342–6
Clinical manifestations and therapy of Isospora belli infection in patients with the acquired immunodeficiency syndrome. DeHovitz JA, et al. **N Engl J Med** 1986 Jul 10;315(2):87–90
Successful therapy of penicillinase–producing Neisseria gonorrhoese pharyngeal infection during pregnancy. Soper DE, et al. **Obstet Gynecol** 1986 Aug;68(2):290–1
Trimethoprim–sulfamethoxazole treatment of cholangitis complicating congenital hepatic fibrosis. Sánchez C, et al. **Pediatr Infect Dis** 1986 May–Jun;5(3):360–3
Oral trimethoprim/sulfamethoxazole for prevention of bacterial infectioa during the induction phase of cancer chemotherapy in children. Kovatch AL, et al. **Pediatrics** 1985 Nov;76(5):754–60
Intravenous sulfamethoxazole–trimethoprim: pharmacokinetics, therapeutic indications, and adverse reactions. Gleckman R, et al. **Pharmacotherapy** 1981 Nov–Dec;1(3):206–11
Treatment of Listeria monocytogenes infection with trimethoprim–sulfamethoxazole: case report and review of the literature. Spitzer PG, et al. **Rev Infect Dis** 1986 May–Jun;8(3):427–30 (25 ref.)
Hydrogen (H2) breath test and gastric bacteria in acid–secreting subjects and in achlorhydric and postgastrectomy patients before and after antimicrobial treatment. Armbrecht U, et al. **Scand J Gastroenterol** 1985 Sep;20(7):805–13
Significance of the sulfonamide component for the clinical efficacy of trimethoprim–sulfonamide combinations. Burman LG. **Scand J Infect Dis** 1986;18(2):89–99 (59 ref.)
Streptococcal meningitis in pigs: field trial to compare the effects of two different treatments. Guise HJ, et al. **Vet Rec** 1985 Jul 20;117(3):65–6
[Observation on effects of Swertia davidi and TMP in treating 75 cases of acute bacillary dysentery] Tian HY, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Jan;6(1):34–5, 4 (Eng. Abstr.) (Chi)
[High–dosage cotrimoxazole therapy of disseminated Nocardia brasiliensis infection] Spehn J, et al. **Dtsch Med Wochenschr** 1986 Feb 7;111(6):215–8 (Eng. Abstr.) (Ger)
[Ofloxacin versus pipemidic acid and co–trimoxazole] Wittenberger R. **Infection** 1986;14 Suppl 1:S93–6 (Eng. Abstr.) (Ger)
[Psoriasis in AIDS—remission with high dosage co–trimoxazole therapy] Rasokat H. **Z Hautkr** 1986 Jul 15;61(14):991 (Ger)
[Kidney function and bacteriological and histological research in the therapy of experimental E. coli pyelonephritis using trimethoprim–sulfamethoxazole (TMP–SMO)] Hagemann I, et al. **Z Urol Nephrol** 1985 Dec; 78(12):681–8 (Eng. Abstr.) (Ger)
[Trimethoprim or trimethoprim–sulfonamide in urinary tract infections and other infections?] Bruun JN. **Tidsskr Nor Laegeforen** 1986 Jan 20;106(2):146–7 (Nor)
[Comparative study of the local and systemic use of sulfamethoxazole–trimethoprim in transrectal biopsy of the prostate] Ferreira U, et al. **Arch Esp Urol** 1985 May–Jun; 38(3):301–4 (Eng. Abstr.) (Spa)
[Mycetomas with pulmonary dissemination] Welsh Lozano O, et al. **Med Cutan Ibero Lat Am** 1985;13(6):517–23 (Eng. Abstr.) (Spa)
[Comparative study of the activity of trimethoprim–sulfamethopyrazine and nitrofurantoin in urinary infections of children] González E, et al. **Rev Clin Pediatr** 1985 Sep–Oct;56(5):341–4 (Eng. Abstr.) (Spa)
[Treatment of osteoarticular brucellosis with trimethoprim–sulfamethoxazole. Evaluation of 18 cases] Padrino JM, et al. **Rev Clin Esp** 1986 Feb;178(2):51–3 (Eng. Abstr.) (Spa)

TOXICITY

[Effect of biseptol on the adrenal cortex of the white rat in postoperative shock] Czerny K, et al. **Gegenbaurs Morphol Jahrb** 1986;132(1):111–27 (Eng. Abstr.) (Ger)

TRIMETHOXYPHENETHYLAMINE see **MESCALINE**

TRIMETHYLSILYL COMPOUNDS see under **SILICON**

TRIMETHYLTIN COMPOUNDS see under **TRIALKYLTIN COMPOUNDS**

TRIMIPRAMINE see under **DIBENZAZEPINES**

TRINITROBENZENES see under **NITROBENZENES**

TRINITROBENZENESULFONIC ACID see under **NITROBENZENES**

TRINITROTOLUENE

METABOLISM

Trinitrotoluene: assessment of occupational absorption during manufacture of explosives. Woollen BH, et al. **Br J Ind Med** 1986 Jul;43(7):465–73
[Pathways of 2,4,6–trinitrotoluene biotransformation] Naumova RP, et al. **Izv Akad Nauk SSSR [Biol]** 1986 May–Jun;(3):448–55 (Eng. Abstr.) (Rus)

POISONING

[Acute hemolysis due to trinitrotoluene in G6PD deficiency] Fenakel G. **Harefuah** 1985 Oct;109(7–8):188–9 (Eng. Abstr.) (Heb)

TOXICITY

Non–genotoxicity of 2,4,6–trinitrotoluene (TNT) to the mouse bone marrow and the rat liver: implications for its carcinogenicity. Ashby J, et al. **Arch Toxicol** 1985 Oct; 58(1):14–9

TRIOLEIN

Molecular motions and thermotropic phase behavior of cholesteryl esters with triolein. Croll DH, et al. **Biochemistry** 1985 Dec 31;24(27):7971–80

ANALYSIS

Studies on active substances in the herbs used for oketsu ("stagnant blood") in Chinese medicine. II. On the anticoagulative principle in persicae semen. Kosuge T, et al. **Chem Pharm Bull (Tokyo)** 1985 Apr;33(4):1496–8

METABOLISM

Comparison of apolipoprotein C–II–deficient triacylglycerol–rich lipoproteins and trioleoylglycerol/phosphatidylcholine–stabilized particles as substrates for lipoprotein lipase. Jackson RL, et al. **Biochim Biophys Acta** 1986 Feb 12;875(2):211–9

PHARMACODYNAMICS

Effects of dietary triolein and sunflower oil on insulin release and lipid metabolism in Zucker rats. Weekes TE, et al. **Lipids** 1986 Mar;21(3):220–5

TRIOSEPHOSPHATE DEHYDROGENASE see **GLYCERALDEHYDEPHOSPHATE DEHYDROGENASE**

TRIOSEPHOSPHATE ISOMERASE see under **CARBOHYDRATE ISOMERASES**

TRIOSES

METABOLISM

Chemical trapping of complexes of dihydroxyacetone phosphate with muscle fructose–1,6–bisphosphate aldolase. Kuo DJ, et al. **Biochemistry** 1985 Jul 16;24(15):3947–52
Mechanism for the oleate stimulation of gluconeogenesis from dihydroxyacetone by hepatocytes from fasted rats. Ochs RS, et al. **Biochim Biophys Acta** 1986 Apr 8; 886(1):40–7
Catecholamine and vasopressin stimulation of gluconeogenesis from dihydroxyacetone in the presence of atractyloside. Warnette–Hammond ME, et al. **J Biol Chem** 1985 Oct 15;260(23):12647–52

PHARMACODYNAMICS

Inhibition of lipid accumulation and enhancement of energy expenditure by the addition of pyruvate and dihydroxyacetone to a rat diet. Stanko RT, et al. **Metabolism** 1986 Feb;35(2):182–6
[Rheological effectiveness of dioxyacetone] Buglov ED, et al. **Farmakol Toksikol** 1985 Sep–Oct;48(5):63–5 (Eng. Abstr.) (Rus)

TRIOXOCHOLATE see **DEHYDROCHOLIC ACID**

TRIOXSALEN see under **PSORALENS**

TRIPELENNAMINE

Carcinogenicity of methapyrilene hydrochloride, mepyramine hydrochloride, thenyldiamine hydrochloride, and pyribenzamine hydrochloride in Sprague–Dawley rats. Habs M, et al. **J Cancer Res Clin Oncol** 1986;111(1):71–4
"Ts and Blues" in pregnancy.von Almen WF 2d, et al. **J Reprod Med** 1986 Apr;31(4):236–9

ADVERSE EFFECTS

Ts and blues [letter] **Ann Emerg Med** 1986 May;15(5):606–8

METABOLISM

The pharmacokinetics of pentazocine and tripelennamine. Yeh SY, et al. **Clin Pharmacol Ther** 1986 Jun;39(6):669–76

PHARMACODYNAMICS

The clinical pharmacology of pentazocine and tripelennamine (T's and Blues). Lange WR, et al. **Adv Alcohol Subst Abuse** 1986 Summer;5(4):71–83
Effects of histamine receptor antagonism on adrenaline–induced changes in blood pressure in intact dogs. Johnson MD, et al. **Clin Exp Pharmacol Physiol** 1985 Nov–Dec;12(6):557–64
Potentiation of pentazocine antinociception by tripelennamine in the rat. Yeh SY. **J Pharmacol Exp Ther** 1985 Dec;235(3):633–9
DNA–damaging activity of tripelennamine in primary cultures of human hepatocytes. Robbiano L, et al. **Mutat Res** 1986 Mar;173(3):229–32
Nalbuphine, pentazocine, and butorphanol interactions with tripelennamine in mice. Schmidt WK, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;67:145–6
[Effect of antidepressive drugs and histamine H1 receptor blockaders on histamine level in rat brain] Zawilska J, et al. **Folia Med Cracov** 1984;25(3–4):297–306 (Eng. Abstr.) (Pol)

POISONING

Fatal intracranial hemorrhage associated with phenylpropanolamine, pentazocine, and tripelennamine overdose. Jackson C, et al. **J Emerg Med** 1985;3(2):127–32

TRIPHENYL COMPOUNDS see **TERPHENYL COMPOUNDS**

TRIPHENYLMETHYL COMPOUNDS see **TRITYL COMPOUNDS**

TRIPHOSPHOPYRIDINE NUCLEOTIDE see **NADP**

TRIPLE SYMPTOM COMPLEX see **BEHCET'S SYNDROME**

TRIPLETS

Adaptation to maximal effort [letter] Bouchard C. **Acta Genet Med Gemellol (Roma)** 1986;35(1–2):119–20
Triplet gestation: maternal and neonatal implications. Syrop CH, et al. **Acta Genet Med Gemellol (Roma)** 1985; 34(1–2):81–8
Overripe ova and twinning. Harlap S, et al. **Am J Hum Genet** 1985 Nov;37(6):1206–15
Cognitive–communicative development of identical triplets, one with unilateral cleft lip and palate. Nation JE, et al. **Cleft Palate J** 1985 Jan;22(1):38–50
Biochemical differences related to birth order in triplets. Antoine C, et al. **J Reprod Med** 1986 May;31(5):330–2
[Bartter's syndrome in 2 triplet sisters treated for 7 years with indomethacin] Storm K, et al. **Ugeskr Laeger** 1986 Mar 10;148(11):654–5 (Eng. Abstr.) (Dan)

TRIPROLIDINE see under **PYRIDINES**

TRIS BUFFER see **TROMETHAMINE**

TRISACCHARIDES

ANALYSIS

Desorption chemical ionization mass spectrometry of anthracyclines and of trisaccharides related to aclacinomycin A and marcellomycin. Monneret C, et al. **Biomed Environ Mass Spectrom** 1986 Jul;13(7):319–26
Characterization of a human granulocyte differentiation antigen (CDw15) commonly recognized by monoclonal antibodies. McCarthy NC, et al. **Biosci Rep** 1985 Oct–Nov; 5(10–11):933–41
Structure of the heparan sulfate–protein linkage region. Demonstration of the sequence galactosyl–galactosyl–xylose–2–phosphate. Fransson LA, et al. **J Biol Chem** 1985 Nov 25;260(27):14722–6
Presence of 3–fucosyl–N–acetyllactosamine shown by monoclonal antibody AGF 4.48 in Reed–Sternberg cells. Crocker J, et al. **J Clin Pathol** 1986 May;39(5):564–8
Unexpected absence of a myeloid surface antigen (3–fucosyl–N–acetyllactosamine) in promyelocytic leukemia. Bettelheim P, et al. **Leuk Res** 1985;9(11):1323–7
Topographic histochemistry of the cerebellum. 5'–nucleotidase, acetylcholinesterase, immunology of FAL. Marani E. **Prog Histochem Cytochem** 1986;16(4):1–169 (360 ref.)

CHEMICAL SYNTHESIS

p–Trifluoroacetamidophenyl O–alpha–D–mannopyranosyl–(1——3)–O–[alpha–D–mannopyranosyl– (1——6)]–beta–D–mannopyranoside. Ekborg G, et al. **Carbohydr Res** 1985 Oct 15;142(2):213–21
Chemical synthesis of the human Pk–antigenic determinant. Jacquinet JC, et al. **Carbohydr Res** 1985 Nov 1;143:143–9
Synthesis of methyl O–(3–deoxy–3–fluoro–beta–D–galactopyranosyl)–(1——6)–O–beta–D–galactopyranosyl–(1——6)–3–deoxy–3–fluoro–beta–D–galactopyranoside and related N.M.R. studies. Kováč P, et al. **Carbohydr Res** 1985 Jul 15;140(2):299–311
Synthesis of methyl

O-(3-deoxy-3-fluoro-beta-D-galactopyranosyl)-(1——6)-beta-D- galactopyranoside and methyl O-(3-deoxy-3-fluoro-beta-D-galactopyranosyl)-(1——6)-O-beta-D-galactopyranosyl-(1——6)-beta-D-galactopyranoside. Kovác P, et al. **Carbohydr Res** 1985 Jul 15;140(2):277–88

The allyl group for protection in carbohydrate chemistry. 17. Synthesis of propyl O-(3,6-di-O-methyl-beta-D-glucopyranosyl)-(1——4)-O-(2,3-di-O-methyl-alpha-L-rhamnopyranosyl)-(1——2)-3-O-methyl-alpha- L-rhamnopyranoside: the oligosaccharide portion of the major serologically active glycolipid from Mycobacterium leprae. Gigg J, et al. **Chem Phys Lipids** 1985 Sep;38(3):299–307

IMMUNOLOGY

The expression of fucosylated type 2 blood group chains in human breast and their significance. Walker RA, et al. **J Pathol** 1986 Jun;149(2):113–20

METABOLISM

Distribution of fucosylated N-acetyl lactosamine carbohydrate determinants during embryogenesis of the kidney in man. Fleming S, et al. **Histochem J** 1986 Feb–Mar;18(2–3):61–6

Idiotypic determinants of monoclonal antibodies that bind to 3-fucosyllactosamine. Umeda M, et al. **J Immunol** 1986 Apr 1;136(7):2562–7

PHARMACODYNAMICS

Effects of acarbose on the relationship between changes in GIP and insulin responses to meals in normal subjects. Groop PH, et al. **Acta Endocrinol (Copenh)** 1986 Jul; 112(3):361–6

Difference in mode of inhibition between alpha-D-xylosyl beta-D-fructoside and alpha-isomaltosyl beta-D-fructoside in synthesis of glucan by Streptococcus mutans D-glucosyltransferase. Nisizawa T, et al. **Carbohydr Res** 1986 Mar 1;147(1):135–44

The effects of sucrose meal on insulin requirement in IDDM and its modulation by acarbose. Lecavalier L, et al. **Diabete Metab** 1986 Jun;12(3):156–61

Lower triglyceride production during carbohydrate-rich diets through acarbose, a glucoside hydrolase inhibitor [letter] Nestel PJ, et al. **Diabete Metab** 1985 Oct;11(5):316–7

Pentagastrin-stimulated gastric acid output and plasma enteroglucagon in acarbose-treated rats. Rolston R, et al. **Digestion** 1985;32(2):124–7

Effects of prolonged (6 months) alpha-glucosidase inhibition on blood glucose control and insulin requirements in patients with insulin-dependent diabetes mellitus. Dimitriadis G, et al. **Horm Metab Res** 1986 Apr;18(4):253–5

Long-term effect of acarbose on diurnal serum triglyceride, glucose, insulin and adipose tissue lipoprotein lipase levels in patients with primary endogenous hypertriglyceridaemia, with or without type II diabetes. Noyon R, et al. **Neth J Med** 1986;29(5):157–64

THERAPEUTIC USE

Medical use of alpha-glycosidase inhibitors [editorial] Erkelens DW. **Neth J Med** 1986;29(5):155–6

[Acarbose in the treatment of type 2 diabetes] Amoretti R, et al. **Minerva Dietol Gastroenterol** 1986 Jan–Mar; 32(1):53–9 (Eng. Abstr.) (Ita)

TRISAMINE see **TROMETHAMINE**

TRISMUS

Fibreoptic awake intubation—a method of topical anaesthesia and orotracheal intubation. Sutherland AD, et al. **Can Anaesth Soc J** 1986 Jul;33(4):502–4

CHEMICALLY INDUCED

Anesthetic induction trismus, more than a closed-mouth problem. Skoog SJ, et al. **J Urol** 1986 Sep;136(3):686–7

DIAGNOSIS

Trismus. An unusual sign in polymyositis. Singer PA, et al. **Arch Neurol** 1985 Nov;42(11):1116–8

Oropharyngeal carcinoma presenting as an odontogenic infection with trismus. Hauser MS, et al. **Oral Surg Oral Med Oral Pathol** 1986 Apr;61(4):330–2

ETIOLOGY

Limited mouth opening and shortened flexor muscle-tendon units: 'trismus-pseudocamptodactyly'. Markus AF. **Br J Oral Maxillofac Surg** 1986 Apr;24(2):137–42

A sub-Q heroin and cocaine addict with chills, fever, and trismus. Palder SB, et al. **Hosp Pract [Off]** 1986 Sep 15; 21(9):48–52

An unusual cause of facial trismus in a child: report of case. DelBalso AM, et al. **J Am Dent Assoc** 1986 Feb; 112(2):207–9

Trismus in pseudobulbar palsy. Dhamija RM, et al. **J Assoc Physicians India** 1985 Oct;33(10):679–80

Osseous hypomobility. Hecker R, et al. **Oral Surg Oral Med Oral Pathol** 1986 Aug;62(2):135–7

Acute facial cellulitis and trismus originating in the external auditory meatus. Nitzan DW, et al. **Oral Surg Oral Med Oral Pathol** 1986 Sep;62(3):262–3

[Trismus] Kristensen S, et al. **Ugeskr Laeger** 1986 Mar 17; 148(12):700–5 (Eng. Abstr.) (Dan)

[Horton's disease disclosed by trismus. Role of the involvement of the internal maxillary arteries (letter)] Henriet JP, et al. **Presse Med** 1985 Nov 30;14(41):2109 (Fre)

FAMILIAL & GENETIC

Trismus-pseudocamptodactyly syndrome in a Japanese family. Tsukahara M, et al. **Clin Genet** 1985 Sep; 28(3):247–50

PREVENTION & CONTROL

The effect of methylprednisolone on pain, trismus, and swelling after removal of third molars. Beirne OR, et al. **Oral Surg Oral Med Oral Pathol** 1986 Feb;61(2):134–8

SURGERY

Anesthetic management of a patient with Dutch-Kentucky syndrome. Browder FH, et al. **Anesthesiology** 1986 Aug; 65(2):218–9

THERAPY

An intraoral positive-pressure device for treatment of trismus. Kouyoumdjian JH, et al. **Oral Surg Oral Med Oral Pathol** 1986 May;61(5):456–8

[Relieving of high-degree trismus caused by dysfunction in patients with natural dentition] Sallay K. **Fogorv Sz** 1986 Jun;79(6):186–8 (Eng. Abstr.) (Hun)

TRISOMY

Discordant monozygotic twins with trisomy 13. Loevy HT, et al. **Acta Genet Med Gemellol (Roma)** 1985;34(3–4):185–8

Philadelphia-chromosome-negative chronic myelogenous leukemia with incomplete trisomy 1q following chemotherapy for ovarian carcinoma. Haubenstock A, et al. **Acta Haematol (Basel)** 1985;74(3):168–70

Trisomy 1q in polycythemia vera and its relation to disease transition. Swolin B, et al. **Am J Hematol** 1986 Jun; 22(2):155–67

The relationship between maternal age and chromosome size in autosomal trisomy. Risch N, et al. **Am J Hum Genet** 1986 Jul;39(1):68–78

Follow-up of infants with amniotic fluid trisomy 20 mosaicism. Abuelo DN, et al. **Am J Med Genet** 1986 Jul; 24(3):475–81

A mildly retarded woman with 46,XX/47,XX, + 18 mosaicism. Bensen JT, et al. **Am J Med Genet** 1985 Oct; 22(2):343–6

Trisomy 14 mosaicism with t(14;15)(q11;p11) in offspring of a balanced translocation carrier mother. Fujimoto A, et al. **Am J Med Genet** 1985 Oct;22(2):333–42

Mosaic trisomy 9 syndrome with unusual phenotype. Kaminker CP, et al. **Am J Med Genet** 1985 Oct; 22(2):237–41

Trisomy 14 mosaicism in a liveborn male: clinical report and review of the literature. Kaplan LC, et al. **Am J Med Genet** 1986 Apr;23(4):925–30 (17 ref.)

Trisomy 22 mosaicism syndrome and Ullrich-Turner stigmata. Wertelecki W, et al. **Am J Med Genet** 1986 Mar; 23(3):739–49

Maternal serum alpha-fetoprotein and fetal autosomal trisomies. Doran TA, et al. **Am J Obstet Gynecol** 1986 Feb; 154(2):277–81

Hydrops fetalis and chromosomal trisomies. Landrum BG, et al. **Am J Obstet Gynecol** 1986 May;154(5):1114–5

Chorionic villus sampling: first-trimester prenatal diagnosis of partial 10q trisomy in a family with a 4/10 translocation. Olson SB, et al. **Am J Obstet Gynecol** 1985 Dec 1; 153(7):743–4

Inner ear anomalies in two cases of trisomy 18. Wright CG, et al. **Am J Otolaryngol** 1985 Sep–Oct;6(5):392–404

Trisomy 7p due to a mosaic normal/dir dup(7)(p13——p22). Syndrome delineation, critical segment assignment, and a comment on duplications. Cantú JM, et al. **Ann Genet (Paris)** 1985;28(4):254–7

Partial distal 6p trisomy in a malformed fetus. Fryns JP, et al. **Ann Genet (Paris)** 1986;29(1):53–4

Double autosomal chromosomal aberration (3p trisomy/9p monosomy) and sex-reversal. Fryns JP, et al. **Ann Genet (Paris)** 1986;29(1):49–52

Trisomy 15q23——qter due to a de novo t(11;15)(q25;q23) and assignment of the critical segment. García-Cruz D, et al. **Ann Genet (Paris)** 1985;28(3):193–6

Duplication 11 (q22——qter) in an infant. A case report with review. Greig F, et al. **Ann Genet (Paris)** 1985;28(3):185–8

46,X,i(Xq)/47,XX,+13 mosaicism. Igarashi M, et al. **Ann Genet (Paris)** 1985;28(4):241–4

A case of de novo trisomy 12p syndrome. Ray M, et al. **Ann Genet (Paris)** 1985;28(4):235–8

46,XX,-12,+der(12),rcp(3;12)(p25.1;p13.31)pat karyotype in a girl. Probable subregional assignment of glyceraldehyde-3-phosphate dehydrogenase locus to 12p13.1——p13.31 by exclusion mapping. Rivas F, et al. **Ann Genet (Paris)** 1985;28(3):189–92

Massive callus formation after distal femoral fracture in association with trisomy 2. Poussa M, et al. **Arch Orthop Trauma Surg** 1985;104(3):189–90

Genetic factors influencing aneuploidy frequency. Warburton D. **Basic Life Sci** 1985;36:133–48

Morphological and morphometric studies of cerebellar fissuration and myelination in mice with trisomy 19. Hartard C, et al. **Bibl Anat** 1986;(28):79–105

Trisomy 4 identifies a subset of acute nonlymphocytic leukemias. Mecucci C, et al. **Blood** 1986 May;67(5):1328–32

Chromosome and cell culture studies in eosinophilic leukaemia. Parreira L, et al. **Br J Haematol** 1986 Apr; 62(4):659–69

A case of partial 5q trisomy associated with partial 7q monosomy. Hara S, et al. **Br J Ophthalmol** 1986 Aug; 70(8):630–3

Absence of trisomy 15 in chemically induced murine T-cell lymphomas. Goodenow M, et al. **Cancer Genet Cytogenet** 1986 Jan 15;19(3–4):205–11

RCH-ACV: a lymphoblastic leukemia cell line with chromosome translocation 1;19 and trisomy 8. Jack I, et al. **Cancer Genet Cytogenet** 1986 Jan 15;19(3–4):261–9

Combined trisomy 1q and monosomy 7q due to translocation 1;7 in myelodysplastic syndromes. Mecucci C, et al. **Cancer Genet Cytogenet** 1985 Nov;18(3):193–7

Trisomy of chromosome 22 in acute myelomonocytic leukemia. Niemeyer MM, et al. **Cancer Genet Cytogenet** 1986 Feb 15;20(3–4):371–4

Near-triploid Ph-positive leukemia. Ohtaki K, et al. **Cancer Genet Cytogenet** 1985 Oct;18(2):113–21

An early, nonrandom karyotypic change in immortal Syrian hamster cell lines transformed by asbestos: trisomy of chromosome 11. Oshimura M, et al. **Cancer Genet Cytogenet** 1986 Jul;22(3):225–37

Chromosome change in transitional cell carcinoma of ureter. Sandberg AA, et al. **Cancer Genet Cytogenet** 1986 Jan 15; 19(3–4):335–40

Trisomy 11 in a patient with Ph-negative chronic myelogenous leukemia. Yamada T, et al. **Cancer Genet Cytogenet** 1986 Apr 15;21(4):343–5

Abnormal RNA synthesis in sex vesicles of tertiary trisomic male mice. Speed RM. **Chromosoma** 1986;93(3):267–70

Incidence of trisomy 18 in Sweden in 1981–1982: clustering in a small region [letter] Annerén G. **Clin Genet** 1986 Apr; 29(4):345–7

Partial trisomy 6p and partial monosomy 9p from a de novo translocation 46,XY, -9, +DER(9)T(6:9)(p211:p24). Eden MS, et al. **Clin Genet** 1985 Nov;28(5):375–84

Partial 8p trisomy due to interstitial duplication: karyotype: 46, XX, inv dup(8) (p21.1——p22). Fryns JP, et al. **Clin Genet** 1985 Dec;28(6):546–9

Maternal autosomal translocation t(5;18)(q12;q11) and Edward's syndrome in the fetus [letter] Fryns JP. **Clin Genet** 1985 Nov;28(5):397

Pseudoisodicentric bisatellited extra marker chromosome (tetrasomy 22pter——q11, trisomy Yqh), derived from a maternal Y/22 translocation. Association between this tetrasomy and "cat eye" phenotypical features.Gabarrón J, et al. **Clin Genet** 1985 Dec;28(6):509–15

Multiple congenital anomalies in a child born after prenatal diagnosis of trisomy 20 mosaicism. Holzgreve W, et al. **Clin Genet** 1986 Apr;29(4):342–4

Proximal duplications of chromosome 15: clinical dilemmas. Hood OJ, et al. **Clin Genet** 1986 Mar;29(3):234–40

Partial trisomy 5q and partial monosomy 5q within the same family. Lazjuk GI, et al. **Clin Genet** 1985 Aug;28(2):122–9

Congenital heart disease in supernumerary der(22),t(11;22) syndrome. Lin AE, et al. **Clin Genet** 1986 Apr;29(4):269–75

Partial trisomy 12q: clinical and cytogenetic observations. Tengström C, et al. **Clin Genet** 1985 Aug;28(2):112–7

A Golgi study of cerebellar malformation in 13 trisomy. Ferrer I, et al. **Clin Neuropathol** 1986 Mar–Apr;5(2):53–9

Brain anomalies found in 18 trisomy: CT scanning, morphologic and morphometric study. Nakamura Y, et al. **Clin Neuropathol** 1986 Mar–Apr;5(2):47–52

Synaptonemal complex analysis in spermatocytes and oocytes of tertiary trisomic Ts(512)31H mice with male sterility. Mahadevaiah S, et al. **Cytogenet Cell Genet** 1986; 41(3):169–76

Reduced oocyte numbers in tertiary trisomic mice with male sterility. Setterfield LA, et al. **Cytogenet Cell Genet** 1986; 41(3):177–80

Mosaic variegated trisomy (42,XY/43,XY, + variable) in a male pigtail macaque monkey. Vigfusson NV, et al. **Cytogenet Cell Genet** 1986;42(3):154–8

Trisomy 13 (Patau) syndrome in Delaware. Henderson AA, et al. **Del Med J** 1985 Oct;57(10):629–34

Development of visual evoked potentials and photic driving responses in normal full term, low risk premature, and Trisomy-21 infants during the first year of life. Ellingson RJ. **Electroencephalogr Clin Neurophysiol** 1986 Apr; 63(4):309–16

Trisomy 8 syndrome. A report of 2 cases. Ioan D, et al. **Endocrinologie** 1986 Jan–Mar;24(1):45–8

Trisomy 18: the value of late prenatal diagnosis. Liang ST, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Jun; 22(1–2):95–7

Bronze baby syndrome, biliary hypoplasia, incomplete Beckwith-Wiedemann syndrome and partial trisomy 11. Wales JK, et al. **Eur J Pediatr** 1986 Apr;145(1–2):141–3

The relative intranuclear positions of Barr bodies in XXX non-transformed human fibroblasts. Belmont AS, et al. **Exp Cell Res** 1986 Jul;165(1):165–79

Two-dimensional gel analysis of proteins from mouse fetuses

with trisomy 19 after DEAE-Sepharose chromatography. Reichert GH. **Genet Res** 1986 Jun;47(3):193–7

Presentation of the isochromosome trisomy 18 syndrome in an infant with the Robin anomalad. Wiswell TE, et al. **Hawaii Med J** 1986 May;45(5):126–7

Trisomy for the short arm of chromosome 10. Report of a new case resulting from segregation of a maternal balanced translocation t(10qter——q11::14p11——qter). Delaroche I, et al. **Helv Paediatr Acta** 1984 May; 39(2):161–6

Delineation of a characteristic phenotype in distal trisomy 2q. Kyllerman M, et al. **Helv Paediatr Acta** 1984 Dec; 39(5–6):499–508

Demonstration of X chromatin in drumstick-like nuclear appendages of leukocytes by in situ hybridization on blood smears. Hochstenbach PF, et al. **Histochemistry** 1986; 84(4–6):383–6

Partial trisomy 2q+ as a result of a balanced translocation (1;2)(q43;q33). Barjaktarović N, et al. **Hum Genet** 1985; 71(3):273

Unusual supernumerary chromosomes: types encountered in a referred population, and high incidence of associated maternal chromosome abnormalities. Stamberg J, et al. **Hum Genet** 1986 Feb;72(2):140–4

Trisomy-8 [letter] Phadke MA, et al. **Indian Pediatr** 1986 Mar;23(3):226–7

Trisomy and tetrasomy for long arm of chromosome 1 in near-diploid human endometrial adenocarcinomas. Couturier J, et al. **Int J Cancer** 1986 Jul 15;38(1):17–9

Tetrasomy 16 in the mouse: a more severe condition than the corresponding trisomy. Debrot S, et al. **J Embryol Exp Morphol** 1986 Feb;91:169–80

Partial monosomy 13q and partial trisomy 18p: case report with necropsy findings. Beneck D, et al. **J Med Genet** 1986 Jun;23(3):260–3

Trisomy 18 in a 13 year old girl. Mehta L, et al. **J Med Genet** 1986 Jun;23(3):256–7

Trisomy 14 mosaicism in a 2 year old girl. Petersen MB, et al. **J Med Genet** 1986 Feb;23(1):86–8

Mosaic trisomy 9 [letter] Sánchez JM. **J Med Genet** 1986 Apr;23(2):189

Partial trisomy 6p and partial trisomy 22 resulting from 3:1 meiotic disjunction of maternal (6p;22q) translocation. Scarbrough PR, et al. **J Med Genet** 1986 Apr;23(2):185–7

Prenatal detection of monosomy 18p and trisomy 18q mosaicism with unexpected fetal phenotype. Sutton SD, et al. **J Med Genet** 1986 Jun;23(3):258–9

Partial trisomy 1q25——qter. Tawn EJ, et al. **J Med Genet** 1986 Aug;23(4):371

Phenotype–karyotype correlation in patients trisomic for various segments of chromosome 13. Tharapel SA, et al. **J Med Genet** 1986 Aug;23(4):310–5

Arthrokatadysis in trisomy 18. Ray S, et al. **J Pediatr Orthop** 1986 Jan–Feb;6(1):100–2

A case of distal partial trisomy of long arm in chromosome 13 resulting from the mother's balanced translocation. Liu XX, et al. **J Tongji Med Univ** 1986;6(2):130–2

Antenatal sonographic findings in trisomy 18. Bundy AL, et al. **J Ultrasound Med** 1986 Jul;5(7):361–4

Clinicopathological study in a female infant with 46,XX,i(18q) showing mixed features of both trisomy 18 and monosomy 18p. Ieshima A, et al. **Jikeikai Med J** 1985 Sep;32(3):219–26

Distal 15q trisomy with Dandy–Walker malformation in a female infant. Ieshima A, et al. **Jikeikai Med J** 1985 Sep;30(3):227–32

Partial 8 trisomy by 3:1 segregation of balanced maternal translocation t(6q+;8q–). Kogame K, et al. **Jikeikai Med J** 1985 Sep;30(3):239–48

Low alpha-fetoprotein and trisomy [letter] Macri JN, et al. **Lancet** 1986 Aug 16;2(8503):405

Trisomy 8 in human hematologic neoplasia and the c-myc and c-mos oncogenes. Diaz MO, et al. **Leuk Res** 1985; 9(12):1437–42

Mouse trisomy 16 as an animal model of human trisomy 21: a new approach for studying the pathogenesis of Down syndrome. Cox DR. **Mead Johnson Symp Perinat Dev Med** 1983;(22):23–7 (24 ref.)

Trisomy 12 in B cells of patients with B-cell chronic lymphocytic leukemia. Knuutila S, et al. **N Engl J Med** 1986 Apr 3;314(14):865–9

Partial trisomy for the distal part of the long arm of chromosome 15—a new syndrome? Kaneko K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Jun;38(6):940–4

Corneal pathology and aniridia associated with partial trisomy 2q, due to a maternal (2;6) translocation. MacDonald IM, et al. **Ophthalmic Paediatr Genet** 1984 Aug;4(2):75–80

Eye findings in partial trisomy 2q. Strömland K. **Ophthalmic Paediatr Genet** 1985 Apr;5(3):145–50

Ocular pathology in trisomy 18 (Edwards' syndrome). Pe'er J, et al. **Ophthalmologica** 1986;192(3):176–8

Cri du chat-syndrome in combination with partial trisomy 9 p. Sigmund J, et al. **Padiatr Padol** 1986;21(1):61–7

Neural tube defects in trisomy 18. Flannery DB, et al. **Prenat Diagn** 1986 Mar–Apr;6(2):97–9

Automated leukocyte differentials in trisomy 13. Bradley RA, et al. **South Med J** 1986 Sep;79(9):1187

Comparative anatomical analysis of human trisomies 13, 18, and 21: I. The forelimb. Dunlap SS, et al. **Teratology** 1986 Apr;33(2):159–86 (132 ref.)

[Intrauterine diagnosis of trisomy 18 syndrome] Zhang JF. **Chung Hua Fu Chan Ko Tsa Chih** 1985 Jul;20(4):228–9 (Chi)

[Cytogenetic analysis of 50 mentally retarded children] Zhang WL. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1986 Apr; 19(2):107–8 (Eng. Abstr.) (Chi)

[Trisomy 20p derived from a maternal pericentric inversion and brachymesophalangy of the index finger] Lucas J, et al. **Ann Genet (Paris)** 1985;28(3):167–71 (Eng. Abstr.) (Fre)

[Proximal trisomy 14. Clinical and cytogenetic study. Apropos of a new case] Faugeras C, et al. **Ann Pediatr (Paris)** 1986 Jan;33(1):55–8 (Eng. Abstr.) (Fre)

[Trisomy 18 and prune belly syndrome] Nivelon-Chevallier A, et al. **J Genet Hum** 1985 Dec;33(5):469–74 (Eng. Abstr.) (Fre)

[An unusual way of manifesting acute granulocytic leukemia: granulocytic sarcoma of the breast. Apropos of a case with trisomy 22] Turpin F, et al. **Nouv Rev Fr Hematol** 1986; 28(2):91–6 (Eng. Abstr.) (Fre)

[Eye changes in partial trisomy 4p] Wiegand W. **Fortschr Ophthalmol** 1986;83(3):317–9 (Eng. Abstr.) (Ger)

[Biclonal leukemia O-ALL/AMoL) with 11;19 translocation and trisomy X in an 8-month-old girl] Fengler R, et al. **Klin Padiatr** 1986 May–Jun;198(3):178–82 (Eng. Abstr.) (Ger)

[Diaphragmatic defect in trisomy 13] Reinbold WD, et al. **Roentgenblatter** 1986 May;39(5):127–9 (Eng. Abstr.) (Ger)

[Patau's syndrome. Description of a clinical case with special reference to its dermatologic aspects] Strani GF, et al. **G Ital Dermatol Venereol** 1986 Jan–Feb;121(1):25–8 (Eng. Abstr.) (Ita)

[Partial trisomy 9q: comparison of the syndrome in 2 sisters] Bianchi GP, et al. **Minerva Pediatr** 1986 Feb 28; 38(3–4):109–14 (Eng. Abstr.) (Ita)

[Genotypic and phenotypic variability of Patau's syndrome. Observation of 2 cases] Carlo Stella N, et al. **Minerva Pediatr** 1986 Apr 30;38(8):257–61 (Eng. Abstr.) (Ita)

[Prader-Labhart-Willi syndrome with 47,XXX karyotype. Etio-pathogenetic considerations] Ferrante E, et al. **Minerva Pediatr** 1986 Apr 30;38(8):271–4 (Eng. Abstr.) (Ita)

[Trisomy 18 and mosaicism. Description of a clinical case] Savino B, et al. **Minerva Pediatr** 1986 Feb 28;38(3–4):103–7 (Eng. Abstr.) (Ita)

[Trisomy 11qter(11q21 and 11q23——qter) syndrome. Presentation of a case with familial translocation t(11;12)(q23,1——qter;q24,3)] Vianello MG, et al. **Minerva Pediatr** 1986 Mar 31;38(5–6):183–92 (Eng. Abstr.) (Ita)

[Eosinophilic leukemia with trisomy of no. 8 and no. 9 chromosomes: report of a case] Mori Y, et al. **Rinsho Ketsueki** 1986 Apr;27(4):565–9 (Eng. Abstr.) (Jpn)

[A case of partial trisomy 13 with robertsonian translocation on chromosome 15 in a 3-year-old boy] Stasiowska-Saeid E. **Pediatr Pol** 1985 Sep;60(9):667–70 (Pol)

[A new case of trisomy 5p] Antonenko VG, et al. **Genetika** 1985 Dec;21(12):2066–70 (Eng. Abstr.) (Rus)

[Genetics of partial trisomies. I. Trisomy 2q] Lur'e IV, et al. **Genetika** 1986 Jun;22(6):1033–9 (Eng. Abstr.) (Rus)

[Prenatal diagnosis in a fetus with anencephaly and trisomy 18] Ramos C, et al. **An Esp Pediatr** 1985 Oct 15; 23(4):278–80 (Eng. Abstr.) (Spa)

[Partial trisomy of chromosome 1.46,XX dir. dup (1q) (q32-q44)] Saitua G, et al. **Bol Med Hosp Infant Mex** 1986 May;43(5):308–11 (Eng. Abstr.) (Spa)

[Arrhythmogenic dysplasia of the right ventricle and trisomy X. Presentation of a case] Alcasena MS, et al. **Rev Esp Cardiol** 1985 Sep–Oct;38(5):357–60 (Eng. Abstr.) (Spa)

TRITERPENES

ADVERSE EFFECTS

Contact dermatitis due to madecassol. Eun HC, et al. **Contact Dermatitis** 1985 Nov;13(5):310–3

Contact dermatitis due to Centelase. Santucci B, et al. **Contact Dermatitis** 1985 Jul;13(1):39

ANALYSIS

New toxic metabolites from a mushroom, Hebeloma vinosophyllum. I. Structures of hebevinosides I, II, III, IV, and V. Fujimoto H, et al. **Chem Pharm Bull (Tokyo)** 1986 Jan;34(1):88–99

Studies on the constituents of medicinal and related plants in Sri Lanka. III. Novel sesquilignans from Hedyotis lawsoniae. Kikuchi T, et al. **Chem Pharm Bull (Tokyo)** 1985 Apr;33(4):1444–51

Calmodulin inhibitors from the bitter mushroom Naematoloma fasciculare (Fr.) Karst. (Strophariaceae) and absolute configuration of fasciculols. Kubo I, et al. **Chem Pharm Bull (Tokyo)** 1985 Sep;33(9):3821–5

Isolation and characterization of a new triterpene from Iris missouriensis. Wong SM, et al. **J Nat Prod** 1986 Mar–Apr; 49(2):330–3

ISOLATION & PURIFICATION

The biologically active constituents of Ganoderma lucidum (Fr.) Karst. Histamine release-inhibitory triterpenes. Kohda H, et al. **Chem Pharm Bull (Tokyo)** 1985 Apr; 33(4):1367–74

[Structure determination of three new triterpenoids from Helicteres angustifolia Linn] Liu WG, et al. **Yao Hsueh Hsueh Pao** 1985 Nov;20(11):842–51 (Eng. Abstr.) (Chi)

[A new cucurbitacin from Hemsleya graciliflora] Meng XJ, et al. **Yao Hsueh Hsueh Pao** 1985 Jun;20(6):446–9 (Eng. Abstr.) (Chi)

[Isolation and identification of triterpene sapogenins from Glycyrhiza uralensis Fisch.] Shu YH, et al. **Yao Hsueh Hsueh Pao** 1985 Mar;20(3):193–7 (Eng. Abstr.) (Chi)

[The structure of iso-chuanliansu isolated from Chinese medicine—the bark of Melia] Xie JX, et al. **Yao Hsueh Hsueh Pao** 1985 Mar;20(3):188–92 (Eng. Abstr.) (Chi)

METABOLISM

Novel hopanoids from the methylotrophic bacteria Methylococcus capsulatus and Methylomonas methanica. (22S)-35-aminobacteriohopane-30,31,32,33,34-pentol and (22S)-35-amino-3 beta-methylbacteriohopane-30,31,32,33,34-pentol. Neunlist S, et al. **Biochem J** 1985 Nov 1;231(3):635–9

A relationship between hepatic metabolism of reduced lantadene A and its toxicity in rats and sheep. Pass MA, et al. **Comp Biochem Physiol [C]** 1985;82(2):457–61

The biosynthesis of triterpenoids and steroids. Harrison DM. **Nat Prod Rep** 1985 Dec;2(6):525–60 (434 ref.)

PHARMACODYNAMICS

Effects of gymnemic acid on the chorda tympani proper nerve responses to sweet, sour, salty and bitter taste stimuli in the chimpanzee. Hellekant G, et al. **Acta Physiol Scand** 1985 Jul;124(3):399–408

Pharmacology of an extract of salai guggal ex-Boswellia serrata, a new non-steroidal anti-inflammatory agent. Singh GB, et al. **Agents Actions** 1986 Jun;18(3–4):407–12

Search for possible antitumor promoters by inhibition of 12-O-tetradecanoylphorbol-13-acetate-induced Epstein-Barr virus activation; ursolic acid and oleanolic acid from an anti-inflammatory Chinese medicinal plant, Glechoma hederaceae L. Ohigashi H, et al. **Cancer Lett** 1986 Feb;30(2):143–51

Plant anticancer agents XXXIX: Triterpenes from Iris missouriensis (Iridaceae). Wong SM, et al. **J Pharm Sci** 1986 Mar;75(3):317–20

Cussonosides A and B, two triterpene-saponins from Cussonia barteri. Dubois MA, et al. **Planta Med** 1986 Apr; (2):80–3

Tormentic acid, a new hypoglycemic agent from Poterium ancistroides. Villar A, et al. **Planta Med** 1986 Feb;(1):43–5

[Mechanism of the contraceptive action of the triterpene glycosides from the rock jasmine Androsace septentrionalis L.] Mats MN, et al. **Farmakol Toksikol** 1986 Mar–Apr; 49(2):38–9 (Eng. Abstr.) (Rus)

[Prostaglandin E2 and F2 alpha and 5-hydroxyeicosatetraenoic acid levels in the blood of immobilized rats: effect of dihydrocucurbitacin D diglucoside] Dadaian MA, et al. **Vopr Med Khim** 1985 Nov–Dec;31(6):98–100 (Eng. Abstr.) (Rus)

[Inhibition of growth and macromolecular biosynthesis in Trypanosoma cruzi by natural products. Effects of miconidine and tingenone] Goijman SG, et al. **Medicina (B Aires)** 1984;44(4):561–70 (Eng. Abstr.) (Spa)

THERAPEUTIC USE

[Effect of leontoside and polysponin on thyroid function, lipids and the anticoagulation system of blood in rabbits with alimentary hypercholesterolemia] Mamadov IuM, et al. **Farmakol Toksikol** 1985 Sep–Oct;48(5):66–9 (Eng. Abstr.) (Rus)

TOXICITY

Acute toxicity of nimbolide and nimbic acid in mice, rats and hamsters. Glinsukon T, et al. **Toxicol Lett** 1986 Feb; 30(2):159–66

TRITICUM see WHEAT

TRITIUM

Lethality of a tritiated amino acid in early mouse embryos. Wiebold JL, et al. **J Embryol Exp Morphol** 1985 Aug; 88:209–17

Preparation and properties of antibodies doubly labeled with tritium and fluorescein. Léveillé MC, et al. **J Immunol Methods** 1986 May 22;89(2):175–80

The trends of global tritium precipitations. Morishima H, et al. **J Radiat Res (Tokyo)** 1985 Sep;26(3):283–312

Degradation of adenine in aqueous solution containing 3HHO. Comparison with 60Co gamma-radiolysis. Yamamoto O, et al. **J Radiat Res (Tokyo)** 1986 Mar; 27(1):130–9

Induction of neoplastic transformation by low-dose-rate

exposure to tritiated water. Little JB. **Radiat Res** 1986 Aug; 107(2):225–33

[Damage to DNA by tritiated thymidine and its development in normal human (PHA-stimulated lymphocytes) and leukemic (Molt-3) lymphoblasts] Catena C, et al. **Boll Soc Ital Biol Sper** 1985 Jul 30;61(7):1075–81 (Eng. Abstr.) **(Ita)**

[Normal killer function in CBA mice as affected by long-term intake of tritium oxide] Kirillova EN. **Radiobiologiia** 1985 Nov–Dec;25(6):792–5 (Eng. Abstr.) **(Rus)**

[Granulocytopoiesis during the development of radiation injury from prolonged intake of tritium oxide] Murzina LD, et al. **Radiobiologiia** 1985 Nov–Dec;25(6):832–6 (Eng. Abstr.) **(Rus)**

[Relative biological effectiveness of tritium oxide based on nucleic acid metabolic indices] Shorokhova VB, et al. **Radiobiologiia** 1985 Sep–Oct;25(5):622–5 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Labelling of retinal capillaries in mice by repeated [3H]thymidine injections. Naeser P, et al. **Acta Ophthalmol (Copenh)** 1986 Feb;64(1):9–11

ADVERSE EFFECTS

[Internal contamination by tritium caused by radioluminescent paints] Adamiak-Ziemba J, et al. **Med Pr** 1985;36(6):402–6 (Eng. Abstr.) **(Pol)**

ANALYSIS

Quantitative fluorographic detection of 3H and 14C on two-dimensioeal thin-layer chromatographic sheets by an ultra-high-sensitivity TV camera system. Miwa M, et al. **Anal Biochem** 1986 Feb 1;152(2):391–5

A unique method of determining 3H intakes as a fraction of the annual limit of intake. Purohit RG, et al. **Health Phys** 1985 Dec;49(6):1261–5

A method for the determination of tritium in environmental water samples by electrolytic enrichment. Konno T, et al. **Radioisotopes** 1986 Jan;35(1):1–8

ANTAGONISTS & INHIBITORS

Partial prevention of tritium induced uterine involution in mice by 2-mercaptopropionylglycine. Mathur SP, et al. **Acta Radiol [Oncol]** 1986 Jan–Feb;25(1):77–80

CHEMICAL SYNTHESIS

[Production of fusion reactor fuel tritium and its chemistry] Kudo H. **Radioisotopes** 1985 Aug;34(8):432–41 (38 ref.) **(Jpn)**

DIAGNOSTIC USE

The preparation of tritiated insulin specifically labelled by semisynthesis at glycine-A1. Davies JG, et al. **Biochem J** 1985 Oct 15;231(2):389–92

A simplified method for determination of tritiated thymidine incorporation into cells from tissue in soft agar culture. Akiyoshi T, et al. **Jpn J Surg** 1986 May;16(3):235–8

Correlation of an in vitro chemosensitivity test using [3H] incorporation with the response in case of human tumor chemotherapy. Ichihashi H, et al. **Jpn J Surg** 1986 May; 16(3):195–201

The kinetics of D3-3H metabolism in tropical sprue. Haddock L, et al. **P R Health Sci J** 1985 Mar;4(1):47–56

Preliminary assesment of a multiwire camera for quantitative autoradiography of tritium-labelled substances. Lockett SJ, et al. **Phys Med Biol** 1986 May;31(5):535–42

[Preparation of iodinated standards for quantitative radioautography in vitro using a tritium-sensitive film] Rostène W, et al. **C R Acad Sci [III]** 1985;301(5):245–50 (Eng. Abstr.) **(Fre)**

[Clinical application of chemosensitivity testing using radioactive precursors] Ichihashi H. **Gan To Kagaku Ryoho** 1986 Apr;13(4 Pt 2):1156–62 (Eng. Abstr.) **(Jpn)**

[Evaluation of 3H-PK11195 as a radioligand for the in vivo study of peripheral benzodiazepine receptor] Inoue O, et al. **Kaku Igaku** 1985 Sep;22(9):1385–9 (Eng. Abstr.) **(Jpn)**

[Receptor macroautoradiography of 3H-spiroperidol binding in the rat brain] Mori H, et al. **Radioisotopes** 1985 Jul; 34(7):359–63 (Eng. Abstr.) **(Jpn)**

METABOLISM

Tritium dynamics in juvenile rainbow trout, Salmo gairdneri. Rodgers DW. **Health Phys** 1986 Jan;50(1):89–98

Determination of correction factors of 3H-beta-self-absorption for quantitative evaluation of grain number in autoradiographic studies. Interferometric studies of different cell types in the mouse brain. Korr H. **Histochemistry** 1985;83(1):65–70

Incorporation of tritiated water (HTO) and organically bound tritium (OBT) into phospholipids and gangliosides of rat brain. Kowalska M. **J Radiat Res (Tokyo)** 1985 Dec; 26(4):385–94

The transfer of tritium-labeled organic material from grass into cow's milk. van den Hoek J, et al. **Radiat Res** 1985 Jul;103(1):105–13

PHARMACODYNAMICS

Cell kinetic effects of incorporated 3H-thymidine on proliferating human lymphocytes: flow cytometric analysis using the DNA/nuclear protein method. Pollack A, et al. **Cytometry** 1985 Sep;6(5):428–36

TOXICITY

The tritium toxicity program in the Medical Department at Brookhaven National Laboratory. Carsten AL. **Ann NY Acad Sci** 1985;459:258–68

Effect of tritiated water on growth of a radiation-sensitive strain of Escherichia coli, NG30. Higo K, et al. **J Radiat Res (Tokyo)** 1985 Sep;26(3):353–9

Induction of sister chromatid exchange in preimplantation mouse embryos in vitro by 3H-thymidine or ultraviolet light in combination with caffeine. Müller WU, et al. **Teratogenesis Carcinog Mutagen** 1986;6(2):107–14

TRITOLYL PHOSPHATES see under **CRESOLS**

TRITONS see **POLYETHYLENE GLYCOLS**

TRITRICHOMONAS

ENZYMOLOGY

S-Adenosylhomocysteine hydrolase activity in Trichomonas vaginalis and other trichomonads. Thong KW, et al. **Mol Biochem Parasitol** 1985 Oct;17(1):35–44

IMMUNOLOGY

Tritrichomonas foetus: preparation of monoclonal antibodies with effector function. Burgess DE. **Exp Parasitol** 1986 Oct;62(2):266–74

ISOLATION & PURIFICATION

Tritrichomonas mobilensis n. sp. (Zoomastigophorea: Trichomonadida) from the Bolivian squirrel monkey Saimiri boliviensis boliviensis. Culberson DE, et al. **J Protozool** 1986 May;33(2):301–4

METABOLISM

Polyamine biosynthesis in trichomonads. North MJ, et al. **Mol Biochem Parasitol** 1986 Jun;19(3):241–9

Glycerol, a metabolic end product of Trichomonas vaginalis and Tritrichomonas foetus. Steinbüchel A, et al. **Mol Biochem Parasitol** 1986 Jul;20(1):45–55

Anaerobic pyruvate metabolism of Tritrichomonas foetus and Trichomonas vaginalis hydrogenosomes. Steinbüchel A, et al. **Mol Biochem Parasitol** 1986 Jul;20(1):57–65

A new metabolic labelling medium for Trichomonas vaginalis and Tritrichomonas foetus using 35S methionine. Torian BE, et al. **Proc Soc Exp Biol Med** 1986 Apr;181(4):620–3

RADIATION EFFECTS

Effect of far-UV and near-UV radiation on the cell surface charge of the protozoan Tritrichomonas foetus. Costa e Silva Filho F, et al. **Photochem Photobiol** 1986 May; 43(5):505–7

ULTRASTRUCTURE

Effect of colchicine, vinblastine, and cytochalasin B on cell surface anionic sites of Tritrichomonas foetus. Silva Filho FC, et al. **J Protozool** 1986 Feb;33(1):6–10

TRITURUS

ANATOMY & HISTOLOGY

Habenular connections in the brain of the newt, Triturus cristatus carnifex Laurenti. Clairambault P, et al. **J Hirnforsch** 1986;27(1):111–9

Dehydration induced changes in the magnocellular preoptic nucleus of Triturus marmoratus Latr. Rodicio MC, et al. **Trab Inst Cajal** 1984;75(1–4):37–45

[Ultrastructure of the kidney of the newt] Gambarian SP. **Arkh Anat Gistol Embriol** 1985 Jul;89(7):75–9 (Eng. Abstr.) **(Rus)**

BLOOD

Multiple hemoglobins in Triturus cristatus: their study by analytical isoelectrofocusing. Koussoulakos S, et al. **Comp Biochem Physiol [B]** 1986;83(2):475–81

EMBRYOLOGY

Embryonic induction and cation concentrations in amphibian embryos. Siegel G, et al. **Cell Differ** 1985 Nov;17(4):209–19

GENETICS

Heterochromatic DNA in Triturus (Amphibia, Urodela). I. A satellite DNA component of the pericentric C-bands. Barsacchi-Pilone G, et al. **Chromosoma** 1986;93(5):435–46

Intermediate heterochromatic zones in Triturus (Amphibia: Caudata). Herrero P, et al. **Cytobios** 1986;46(185):115–8

Length polymorphism in rDNA indicates somatic alterations in the genome of Triturus vulgaris. Lohmann K, et al. **Dev Biol** 1986 Apr;114(2):534–6

Molecular organization of ribosomal RNA genes clustered at variable chromosomal sites in Triturus vulgaris meridionalis (Amphibia, Urodela). Andronico F, et al. **J Mol Biol** 1985 Nov 20;186(2):219–29

The biological significance of variation in satellite DNA and heterochromatin in newts of the genus Triturus: an evolutionary perspective. Macgregor HC, et al. **Philos Trans R Soc Lond [Biol]** 1986 Jan 29; 312(1154):243–59

METABOLISM

The organization of serotonin-immunoreactive neuronal systems in the brain of the crested newt, Triturus cristatus carnifex Laur. Fasolo A, et al. **Cell Tissue Res** 1986; 243(2):239–47

Effect of D-glucose on oxygen consumption of renal proximal tubules of the Triturus. Kuramochi G. **Jpn J Physiol** 1986;36(2):287–93

Dependence of oxygen consumption on Cl- transport and metabolic substrates in the early distal tubule of the Triturus kidney. Kuramochi G. **Jpn J Physiol** 1986;36(2):277–86

[Regulation of the rate of proximal and distal reabsorption after intratubular injection of cobalt ions] Goncharevskaia OA, et al. **Fiziol Zh SSSR** 1985 Oct;71(10):1287–92 (Eng. Abstr.) **(Rus)**

[Furosemide-sensitive transport of chloride through the apical membrane of cells of the proximal tubule of the triton kidney] Pokrovskiĭ VG. **Fiziol Zh SSSR** 1985 Oct; 71(10):1293–6 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

[Hedruris androphora Nitzsch, 1821 (Nematoda) in the crested newt Triturus cristatus (Laur.)] Bertman M, et al. **Wiad Parazytol** 1986;32(2):177–80 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Effects of permanent deafferentation of the anterior preoptic area on serum aldosterone levels in the crested newt (Triturus cristatus carnifex Laur.). Vellano C, et al. **Gen Comp Endocrinol** 1985 Oct;60(1):104–8

TRITYL COMPOUNDS

DIAGNOSTIC USE

Use of 11C-triphenylmethylphosphonium for the evaluation of membrane potential in the heart by positron-emission tomography. Fukuda H, et al. **Eur J Nucl Med** 1986; 11(12):478–83

A stopped-flow apparatus for photoaffinity labeling studies in the milliseconds time range. Application in investigations of the nicotinic acetylcholine receptor. Fahr A, et al. **J Neurosci Methods** 1986 Mar;16(1):29–38

PHARMACODYNAMICS

Inhibition of intercellular junctional communication in human fibroblasts by triphenylmethane, triphenylmethylchloride, tetraphenylboron and related compounds. Davidson JS, et al. **Biochim Biophys Acta** 1985 Oct 30;847(1):1–7

TROCHLEAR NERVE

Primary-position hypotropia after anterior transposition of the inferior oblique. Bremer DL, et al. **Arch Ophthalmol** 1986 Feb;104(2):229–32

Familial congenital superior oblique palsy. Harris DJ Jr, et al. **Ophthalmology** 1986 Jan;93(1):88–90

Central trochlear palsy. Mansour AM, et al. **Surv Ophthalmol** 1986 Mar–Apr;30(5):279–97 (174 ref.)

ANATOMY & HISTOLOGY

Bilateral innervation of the superior oblique muscle by the trochlear nucleus. Miyazaki S. **Brain Res** 1985 Nov 25; 348(1):52–6

The vestibuloocular reflex of the adult flatfish. II. Vestibulooculomotor connectivity. Graf W, et al. **J Neurophysiol** 1985 Oct;54(4):900–16

The vestibulooocular reflex of the adult flatfish. I. Oculomotor organization. Graf W, et al. **J Neurophysiol** 1985 Oct; 54(4):887–99

[Vascular and nervous relationship of the internal orbital lining (apropos of 50 dissections)] Ducasse A, et al. **Bull Soc Ophtalmol Fr** 1985 Jan;85(1):149–55 (Eng. Abstr.) **(Fre)**

[Medical findings on the trochlear nerve] Lang J, et al. **J Hirnforsch** 1986;27(1):101–10 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

Oculomotor, trochlear, and abducens nerves penetrated by cerebral vessels. Microanatomy and possible clinical significance. Milisavljević M, et al. **Arch Neurol** 1986 Jan; 43(1):58–61

EMBRYOLOGY

Influence of reduced neuron pool on the magnitude of naturally occurring motor neuron death. Sohal GS, et al. **J Comp Neurol** 1986 May 22;247(4):516–28

GROWTH & DEVELOPMENT

Development of the trochlear nucleus in quail and

comparative study of the trochlear nucleus, nerve, and innervation of the superior oblique muscle in quail, chick, and duck. Sohal GS, et al. **J Comp Neurol** 1985 Sep 8; 239(2):227–36

PHYSIOLOGY

Direct excitatory and inhibitory synaptic inputs from the medial mesodiencephalic junction to motoneurons innervating extraocular oblique muscles in the cat. Nakao S, et al. **Exp Brain Res** 1985;61(1):62–72

TROLEANDOMYCIN see **TRIACETYLOLEANDOMYCIN**

TROMBICULIASIS see under **MITE INFESTATIONS**

TROMBICULID MITES see under **MITES**

TROMETAMOL see **TROMETHAMINE**

TROMETHAMINE

ANALOGS & DERIVATIVES

The characterization of lodoxamide, a very active inhibitor of mediator release, in animal and human models of asthma. Johnson HG, et al. **Agents Actions** 1986 Jun;18(3–4):301–5

Compliance of patients with asthma with an experimental aerosolized medication: implications for controlled clinical trials. Spector SL, et al. **J Allergy Clin Immunol** 1986 Jan; 77(1 Pt 1):65–70

Lack of effect of lodoxamide and verapamil on antimicrobial action in vitro [letter] McGregor JA, et al. **J Infect Dis** 1986 Sep;154(3):542–3

Analysis of the variance components in a pharmaceutical aerosol product: lodoxamide tromethamine. Havel HA, et al. **J Pharm Sci** 1985 Sep;74(9):978–82

Hepatic microvascular regulatory mechanisms. IV. Effect of lodoxamide tromethamine and arterenol–HCl on vascular responses evoked by compound 48/80. Reilly FD, et al. **Microcirc Endothelium Lymphatics** 1984 Feb;1(1):87–106

Hepatic microvascular regulatory mechanisms. V. Effects of lodoxamide tromethamine or phentolamine–HCl on vascular responses elicited by serotonin. Reilly FD, et al. **Microcirc Endothelium Lymphatics** 1984 Dec;1(6):671–89

Hepatic microvascular regulatory mechanisms. VI. Effects of lodoxamide tromethamine or phentolamine–HCl on early hemodynamic and glucoregulatory alterations evoked by endotoxin. Reilly FD, et al. **Microcirc Endothelium Lymphatics** 1985 Jun;2(3):271–92

ANALYSIS

Formation of Co2+–Tris complex and its interference in kinetic assay of enzymes with special reference to apparent inhibition of gamma–glutamyltransferase. Selvaraj P, et al. **Indian J Biochem Biophys** 1984 Dec;21(6):389–91

METABOLISM

Distribution of tris buffer between intracellular and extracellular space as a function of plasma pH in the rat. Rothe KF, et al. **Acta Anaesthesiol Scand** 1986 Feb; 30(2):111–5

PHARMACODYNAMICS

Inhibition of dextransucrase by Zn2+, Ni2+, Co2+, and Tris(hydroxymethyl)aminomethane (Tris). Miller AW, et al. **Arch Biochem Biophys** 1986 Aug 1;248(2):579–86

Ascorbate induced lipid peroxidation results in loss of receptor binding in tris, but not in phosphate, buffer. Implications for the involvement of metal ions. Abe K, et al. **Biochem Int** 1985 Sep;11(3):341–8

Tris buffer effects on melanophore aggregating responses. Visconti MA, et al. **Comp Biochem Physiol [C]** 1985; 82(2):501–3

Tris(hydroxymethyl)aminomethane inhibits the synthesis and processing of proinsulin in isolated rat pancreatic islets without affecting release of insulin stores. Halban PA, et al. **Diabetes** 1986 Apr;35(4):433–9

Effects of tris(hydroxymethyl)aminomethane on biosynthesis and release of insulin in the pancreatic Langerhans islets. Ejiri K, et al. **Diabetes Res Clin Pract** 1985 Aug;1(2):73–9

The analgesic and anti–inflammatory profile of ketorolac and its tromethamine salt. Rooks WH 2d, et al. **Drugs Exp Clin Res** 1985;11(8):479–92

Neuronal efflux of noradrenaline induced by tris or lithium as substitutes for extracellular sodium. Bönisch H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 May; 333(1):13–6

Effect of EDTA–tris on an Escherichia coli isolate containing R plasmids. Wooley RE, et al. **Vet Microbiol** 1986 Jun; 12(1):65–75

[The significance of pH value for the determination of sperm quality, the course of estrus and the achievement of good fertilization results. 2. The pH status of the ovine cervicovaginal secretion at the time of insemination, its relation to fertilization results, and the effect of an exogenous buffer application] Brückner G, et al. **Arch Exp Veterinarmed** 1985 May;39(3):336–43 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Prolonged continuous infusion of tromethamine in a patient with metabolic acidosis. Klamerus KJ. **Clin Pharm** 1986 Mar;5(3):247–51

TROPANES

ADMINISTRATION & DOSAGE

Antiparkinsonian medication withdrawal in the treatment of tardive dyskinesia: a report of three cases. Yassa R. **Can J Psychiatry** 1985 Oct;30(6):440–2

ADVERSE EFFECTS

Chronic central anticholinergic toxicity in manic depressive illness mimicking dementia. Moreau A, et al. **Can J Psychiatry** 1986 May;31(4):339–41

ANALYSIS

Tropane alkaloids. Fodor G, et al. **Nat Prod Rep** 1986 Apr; 3(2):181–4 (56 ref.)

Tropane alkaloids. Fodor G, et al. **Nat Prod Rep** 1985 Jun; 2(3):221–5 (53 ref.)

[Chromatographic analysis of drug compounds of tropane skeleton and their preparations. 1. Gas chromatography] Pham C, et al. **Acta Pharm Hung** 1986 Jan;56(1):8–15 (Eng. Abstr.) **(Hun)**

ISOLATION & PURIFICATION

[Chromatographic examination of tropane alkaloids and some of their formulations. 3. Liquid chromatography (HPTLC and HPLC)] Pham TC, et al. **Acta Pharm Hung** 1985 Nov; 55(6):255–65 (Eng. Abstr.) **(Hun)**

PHARMACODYNAMICS

Inhibition of cisplatin–induced vomiting by selective 5–hydroxytryptamine M–receptor antagonism. Miner WD, et al. **Br J Pharmacol** 1986 Jul;88(3):497–9

Blockade of the flare response to intradermal 5–hydroxytryptamine in man by MDL 72.222, a selective antagonist at neuronal 5–hydroxytryptamine receptors. Orwin JM, et al. **Eur J Clin Pharmacol** 1986;30(2):209–12

5–Hydroxytryptamine receptor antagonism by metoclopramide and ICS 205–930 in the guinea–pig leads to enhancement of contractions of stomach muscle strips induced by electrical field stimulation and facilitation of gastric emptying in–vivo. Buchheit KH, et al. **J Pharm Pharmacol** 1985 Sep;37(9):664–7

POISONING

Benztropine–induced acute dystonic reaction. Howrie DL, et al. **Ann Emerg Med** 1986 May;15(5):594–6

THERAPEUTIC USE

Prevention of acute dystonic reactions in patients beginning high–potency neuroleptics. Winslow RS, et al. **Am J Psychiatry** 1986 Jun;143(6):706–10

Desensitization and benztropine for palmar hyperhidrosis. Drimmer EJ. **Psychosomatics** 1985 Nov;26(11):888–9

TROPHOBLAST

ANALYSIS

Immunohistochemical demonstration of placental hormones in the diagnosis of uterine versus ectopic pregnancy. Angel E, et al. **Am J Clin Pathol** 1985 Dec;84(6):705–9

[Quantitative nuclear DNA analysis of human trophoblasts in early gestation] Dobashi K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Feb;38(2):263–4 **(Jpn)**

[DNA content of the nuclei of secondary giant cells of the rat trophoblast at different phases of the polytene nucleus cycle] Zybina TG, et al. **Tsitologiia** 1985 Aug;27(8):957–60 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Trophoblast samples suitable for long–term culture. Gustavii B, et al. **Acta Obstet Gynecol Scand** 1985;64(8):661–2

The early development of the sheep trophoblast and the involvement of cell death. Carnegie JA, et al. **Am J Anat** 1985 Dec;174(4):471–88

Porcine trophoblast actin. Ockleford CD, et al. **Cell Biol Int Rep** 1985 Nov;9(11):975

Trophoblastic differentiation of human teratocarcinoma cell line HT–H1. Izhar M, et al. **Dev Biol** 1986 Aug; 116(2):510–8

Purification, characterization, and in vitro differentiation of cytotrophoblasts from human term placentae. Kliman HJ, et al. **Endocrinology** 1986 Apr;118(4):1567–82

Regional variation of the vasculo–syncytial membranes in the human full–term placenta. Sala MA, et al. **Gegenbaurs Morphol Jahrb** 1986;132(2):285–9

Identification of trophoblast in chorionic villi biopsy samples. Covone AE, et al. **Hum Genet** 1986 Feb;72(2):172–3

Immunocytochemical identification of cytotrophoblast from other mononuclear cell populations isolated from first–trimester human chorionic villi. Butterworth BH, et al. **J Cell Sci** 1985 Jun;76:189–97

Microscopic spectral imaging using a video camera. Balaban RS, et al. **J Microsc** 1986 Jan;141 (Pt 1):31–9

Identification of cytotrophoblast colonies in cultures of human placental cells using monoclonal antibodies. Loke YW, et al. **Placenta** 1986 May–Jun;7(3):221–31

The immunohistochemical localization of pregnancy–specific beta 1–glycoprotein in postimplantation rat trophoblast. Macpherson TA, et al. **Placenta** 1985 Sep–Oct;6(5):427–33

Isolation and characterization of trophoblast from murine placenta. Zuckermann FA, et al. **Placenta** 1986 Jul–Aug; 7(4):349–64

[Identification of trophoblast cells in primary cell cultures from chorion biopsies] Ungár L, et al. **Morphol Igazsagugyi Orv Sz** 1986 Jul;26(3):221–3 (Eng. Abstr.) **(Hun)**

[The expression of oncogene fms in human chorionic tissue] Hoshina M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Dec;37(12):2791–8 (Eng. Abstr.) **(Jpn)**

[Functional differentiation of trophoblast and its implication for the self–regulatory mechanism of placental protein hormones] Maruo T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Apr;38(4):610–5 **(Jpn)**

DRUG EFFECTS

Methotrexate inhibition of normal trophoblasts in vitro. Sand PK, et al. **Am J Obstet Gynecol** 1986 Aug;155(2):324–9

Arachidonic acid stimulates 45calcium efflux and hPL release in isolated trophoblast cells. Zeitler P, et al. **Life Sci** 1986 Jan 13;38(2):99–107

ENZYMOLOGY

Nicotine, cotinine, and anabasine inhibit aromatase in human trophoblast in vitro. Barbieri RL, et al. **J Clin Invest** 1986 Jun;77(6):1727–33

The dual effect of calcium on aromatization by cultured human trophoblast. Hochberg Z, et al. **J Steroid Biochem** 1986 Jun;24(6):1217–9

Comparative enzymatic acetylation of carnitine and choline by human placenta syncytiotrophoblast membrane vesicles. Jarmer S, et al. **Teratogenesis Carcinog Mutagen** 1985; 5(6):445–61

IMMUNOLOGY

Expression of trophoblast–leukocyte common antigens and placental–type alkaline phosphatase in complete molar pregnancy. Berkowitz RS, et al. **Am J Obstet Gynecol** 1986 Aug;155(2):443–6

Immunoregulatory molecules of trophoblast and decidual suppressor cell origin at the maternofetal interface. Clark DA, et al. **Am J Reprod Immunol Microbiol** 1986 Mar; 10(3):100–4

Differential expression of trophoblast lymphocyte cross–reactive (TLX) antigens on T and B lymphocytes. MacLeod AM, et al. **Am J Reprod Immunol Microbiol** 1986 Apr;10(4):151–5

Presence of an endothelial antigen on the syncytiotrophoblast of human chorionic villi: detection by a monoclonal antibody. Voland JR, et al. **Am J Reprod Immunol Microbiol** 1986 May;11(1):24–30

Immunohistological characterization of endometrial gland epithelium and extravillous fetal trophoblast in third trimester human placental bed tissues. Bulmer JN, et al. **Br J Obstet Gynaecol** 1986 Aug;93(8):823–32

Antigen expression by human trophoblast and tumour cells: models for gene regulation? Risk JM, et al. **Contrib Gynecol Obstet** 1985;14:74–82 (54 ref.)

Cytotoxic T lymphocytes, interleukin–2 and trophoblast involvement. Toder V, et al. **Contrib Gynecol Obstet** 1985; 14:23–35 (39 ref.)

The formation of immune complexes in primiparous and multiparous human pregnancies. Davies M. **Immunol Lett** 1985;10(3–4):199–205

Immunohistochemical characterisation of trophoblast antigens and secretory products in ectopic tubal pregnancy. Earl U, et al. **Int J Gynecol Pathol** 1986;5(2):132–42

The partial characterisation of maternal anti–trophoblast antibody responses generated during normal human pregnancy. Davies M, et al. **J Dev Physiol** 1985 Aug; 7(4):269–80

Human cytotrophoblast populations studied by monoclonal antibodies using single and double biotin–avidin–peroxidase immunocytochemistry. Butterworth BH, et al. **J Histochem Cytochem** 1985 Oct;33(10):977–83

Effect of human syncytiotrophoblast plasma membrane–soluble extracts on in vitro mitogen–induced lymphocyte proliferation. A possible inhibition mechanism involving the transferrin receptor. Khalfoun B, et al. **J Immunol** 1986 Aug 15;137(4):1187–93

A monoclonal antibody that induces T cell aggregation reacts with vascular endothelial cells and placental trophoblasts. Pumarola–Sune T, et al. **J Immunol** 1986 Aug 1; 137(3):826–9

Characterization of the human trophoblast–leukocyte antigenic molecules defined by a monoclonal antibody. Stern PL, et al. **J Immunol** 1986 Sep 1;137(5):1604–9

Expression of MHC antigens on murine trophoblast and their modulation by interferon. Zuckermann FA, et al. **J Immunol** 1986 Aug 1;137(3):846–53

Identification of selectively solubilised syncytiotrophoblast plasma membrane proteins as potential antigenic targets

during normal human pregnancy. Davies M, et al. **J Reprod Immunol** 1985 Aug;8(1):33–44

The expression of major histocompatibility complex antigens by trophoblast in ectopic tubal pregnancy. Earl U, et al. **J Reprod Immunol** 1985 Aug;8(1):13–24

Antibody reactivity against trophoblast and trophoblast products. Johnson PM, et al. **J Reprod Immunol** 1985 Dec; 8(4):347–52

Characterization of a sheep trophoblast-derived antigen first appearing at implantation. Gogolin-Ewens KJ, et al. **Placenta** 1986 May–Jun;7(3):243–55

[Non-specific immunological depression in pregnancy] Gironnet I, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1985;14(8):959–64 (Eng. Abstr.) (Fre)

[Immune reaction between maternal and fetal tissue at the nidatory site of tubal pregnancy] Kawagoe K. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Dec; 37(12):2691–6 (Eng. Abstr.) (Jpn)

[The differentiation antigen of trophoblast expressed on trophoblastic neoplasms (choriocarcinoma and hydatidiform mole) detected by monoclonal antibodies] Nakamura T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Apr; 38(4):477–84 (Eng. Abstr.) (Jpn)

[Reactivity of two monoclonal antibodies (Troma 1 and CAM 5.2) on tissue sections—as a histological trophoblast marker in normal pregnancy and trophoblastic disease] Sasagawa M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Apr; 38(4):535–44 (Eng. Abstr.) (Jpn)

[HLA antigen on the trophoblast of normal pregnancy] Sasagawa M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Sep; 37(9):1806–12 (Eng. Abstr.) (Jpn)

[Immunohistochemical study on trophoblast subpopulations in normal pregnancy and trophoblastic disease] Sasagawa M. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Oct; 37(10):2010–8 (Eng. Abstr.) (Jpn)

[The clinical significance of OFA-I in the immunological rejection mechanism in trophoblasts] Takeuchi Y. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Sep;37(9):1893–8 (Eng. Abstr.) (Jpn)

METABOLISM

Distribution and characterization of anionic sites in trophoblast and capillary basal laminas of human placental villi. King BF. **Anat Rec** 1985 May;212(1):63–8

In vitro production of pregnancy-associated plasma protein-A (PAPP-A) by trophoblastic cells. Barnea ER, et al. **Arch Gynecol** 1986;237(4):187–90

Progesterone dependence and extratrophoblastic origin of pregnancy-associated plasma protein-A (PAPP-A) in early pregnancy. Bischof P, et al. **Arch Gynecol** 1986; 237(3):109–16

A new trophoblast-derived growth factor from human placenta: purification and receptor identification. Sen-Majumdar A, et al. **Biochemistry** 1986 Feb 11; 25(3):627–34

Transport of folates at maternal and fetal sides of the placenta: lack of inhibition by methotrexate. Sweiry JH, et al. **Biochim Biophys Acta** 1985 Dec 19;821(3):497–501

Early mouse embryos produce and release factors with transforming growth factor activity. Rizzino A. **In Vitro Cell Dev Biol** 1985 Sep;21(9):531–6

C3d fragment of complement interacts with laminin and binds to basement membranes of glomerulus and trophoblast. Leivo I, et al. **J Cell Biol** 1986 Sep;103(3):1091–100

Competitive studies with dehydroepiandrosterone sulfate and 16 alpha-hydroxydehydroepiandrosterone sulfate in cultured human choriocarcinoma JEG-3 cells: effect on estrone, 17 beta-estradiol, and estriol secretion. Zbella EA, et al. **J Clin Endocrinol Metab** 1986 Sep;63(3):751–7

An immunofluorescence study of extracellular matrix associated with cytotrophoblast of the chorion laeve. Aplin JD, et al. **Placenta** 1985 Nov–Dec;6(6):469–79

Native alpha 2-macroglobulin binds to a surface component of human placental trophoblast. Johnson PM, et al. **Placenta** 1985 Jul–Aug;6(4):323–8

Indomethacin inhibits the uptake of 22sodium by ovine trophoblastic tissue in vitro. Lewis GS. **Prostaglandins** 1986 Jan;31(1):111–22

Mouse trophoblast cells are constitutive producers of thromboplastin (factor III) in vitro. Dalaker K, et al. **Thromb Haemost** 1985 Aug 30;54(2):438–41

[Selective inhibition of synthesis and secretion of hCG by progesterone and its correlation with hCG (alpha, beta) mRNA levels] Matsuo H, et al. **Nippon Naibunpi Gakkai Zasshi** 1985 Sep 20;61(9):882–92 (Eng. Abstr.) (Jpn)

PATHOLOGY

Immunohistochemical localization of human chorionic gonadotropin, placental lactogen, and pregnancy-specific globulin in early placentation trophoblast: implications for evaluating trophoblastic differentiation in germ cell neoplasms [letter] Tuttle SE, et al. **Am J Obstet Gynecol** 1986 Sep;155(3):686–7

Malimplantation caused by trophoblastic insufficiency resulting in failure of gestation following in vitro fertilization–embryo transfer. Nebel L, et al. **Contrib Gynecol Obstet** 1985;14:170–5

Sudden death caused by embolization of trophoblast from hydatidiform mole. Cohle SD, et al. **J Forensic Sci** 1985 Oct;30(4):1279–83

[Early prenatal diagnosis of lysosomal enzymopathies from biopsies of trophoblasts] Poenaru L, et al. **Ann Med Interne (Paris)** 1985;136(5):409–11 (Eng. Abstr.) (Fre)

[Diagnosis of trisomy 21 during the first trimester of pregnancy by a trophoblast specimen] Treisser A, et al. **Presse Med** 1985 Sep 14;14(30):1609 (Fre)

PHYSIOLOGY

Concomitant secretion of Schwangerschaftsprotein 1 and human chorionic gonadotrophin following conception. Ahmed AG, et al. **Clin Endocrinol (Oxf)** 1985 Dec; 23(6):677–81

Mouse blastocysts hatch in vitro by using a trypsin-like proteinase associated with cells of mural trophectoderm. Perona RM, et al. **Dev Biol** 1986 Mar;114(1):42–52

Cell surface glycoproteins mediate compaction, trophoblast attachment, and endoderm formation during early mouse development. Richa J, et al. **Dev Biol** 1985 Apr; 108(2):513–21

Expression of cellular oncogenes in teratoma-derived cell lines. Sejersen T, et al. **Exp Cell Res** 1985 Sep;160(1):19–30

Erythrophagocytosis by the trophoblast in a bovine placentome. Murai T, et al. **Nippon Juigaku Zasshi** 1986 Feb;48(1):75–88

SECRETION

The effect of inhibitors on insulin regulation of hormone secretion by cultured human trophoblast. Perlman R, et al. **Mol Cell Endocrinol** 1985 Nov;43(1):77–82

Differentiation and secretory activities of cultured human placental cytotrophoblast. Nelson DM, et al. **Placenta** 1986 Jan–Feb;7(1):1–16

ULTRASTRUCTURE

Cell surface of mouse blastocysts at the trophectoderm–uterine interface during the adhesive stage of implantation. Chávez DJ. **Am J Anat** 1986 Jun; 176(2):153–8

Ultrastructural morphometric analysis of Brucella abortus-infected trophoblasts in experimental placentitis. Bacterial replication occurs in rough endoplasmic reticulum. Anderson TD, et al. **Am J Pathol** 1986 Aug; 124(2):226–37

Intermediate filaments of the midgestation rat trophoblast giant cell. Glasser SR, et al. **Dev Biol** 1986 Feb; 113(2):356–63

Rabbit placental relaxin: ultrastructural localization in secretory granules of the syncytiotrophoblast using rabbit placental relaxin antiserum. Eldridge RK, et al. **Endocrinology** 1986 Aug;119(2):606–15

Characterization of the human syncytiotrophoblast plasma membrane associated components. Khalfoun B, et al. **Int J Biochem** 1986;18(4):351–60

Syncytial channels in the villous trophoblast of the macaque. Gammal EB. **J Anat** 1985 Aug;141:181–91

Morphometry of mitochondrial changes in mouse trophoblast cells at early implantation. Cicciura L, et al. **J Submicrosc Cytol** 1986 Jan;18(1):133–6

Morphometry of the microvillous membrane of the human placenta in maternal diabetes mellitus. Teasdale F, et al. **Placenta** 1986 Jan–Feb;7(1):81–8

Identification of triploidy by DA/DAPI staining of trophoblastic interphase nuclei. Tommerup N, et al. **Placenta** 1985 Jul–Aug;6(4):363–7

Maternal lymphocyte response to syncytiotrophoblast microvillus preparations in normal first pregnancies. Goodfellow CF, et al. **Placenta [Suppl]** 1982;4:25–32

High resolution chromosomes from first trimester trophoblast cultures. Søndergaard F, et al. **Prenat Diagn** 1985 Jul–Aug; 5(4):291–4

[Use of trophoblast biopsy in first-trimester prenatal diagnosis] Kowalska A. **Przegl Lek** 1986;43(3):328–30 (Pol)

TROPHORLASTIC TUMOR

ANALYSIS

Thyrotropic activity of acidic isoelectric variants of human chorionic gonadotropin from trophoblastic tumors. Mann K, et al. **Endocrinology** 1986 Apr;118(4):1558–66

A single amino acid substitution in an ectopic alpha subunit of a human carcinoma choriogonadotropin. Nishimura R, et al. **J Biol Chem** 1986 Aug 15;261(23):10475–7

BLOOD

ABO blood group in patients with malignant trophoblastic disease. Sasaki K, et al. **Gynecol Obstet Invest** 1985; 20(1):23–6

Hormonal measurements in patients with theca lutein cysts and gestational trophoblastic disease. Osathanondh R, et al. **J Reprod Med** 1986 Mar;31(3):179–83

[Value of the radioimmunological assay of HCG and its subunits in the diagnosis and follow-up of gestational trophoblastic disease] Delpont PJ, et al. **Rev Fr Gynecol Obstet** 1985 Oct;80(10):737–52 (Eng. Abstr.) (Fre)

[Pregnancy-specific beta-1 glycoprotein (SP1) as a marker for tumors with or without trophoblastic character] Ruibal A, et al. **Rev Esp Oncol** 1984;31(3):427–34 (Eng. Abstr.) (Spa)

COMPLICATIONS

"Fibrinothrombotic glomerulopathy" in patients with placental site trophoblastic tumor and nephrotic proteinuria [letter] Fox AL. **Hum Pathol** 1985 Nov;16(11):1179

DIAGNOSIS

Radioimmunoassay of free beta-subunit of human chorionic gonadotropin as a prognostic test for persistent trophoblastic disease in molar pregnancy. Khazaeli MB, et al. **Am J Obstet Gynecol** 1986 Aug;155(2):320–4

Non-resolution of pelvic sonographic abnormality after chemotherapy for persistent trophoblastic disease—a word of caution. Woo JS, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Jul;22(3):153–6

Gestational trophoblastic diseases: the ratio of choriogonadotropin to specific pregnancy protein, hCG/SP1, provides useful diagnostic and prognostic evidence. Szymendera JJ, et al. **Gynecol Oncol** 1986 Feb; 23(2):149–59

Gestational trophoblastic neoplasms. Celeste SM, et al. **J Obstet Gynecol Neonatal Nurs** 1986 Jan–Feb;15(1):11–6

Gestational trophoblastic disease with coexistent normal fetus: evaluation by ultrasound-guided chorionic villus sampling. Hertzberg BS, et al. **J Ultrasound Med** 1986 Aug; 5(8):467–9

New criteria for the diagnosis of gestational trophoblastic disease. Romero R, et al. **Obstet Gynecol** 1985 Oct; 66(4):553–8

Use of monoclonal antibodies in trophoblastic neoplasia. Ng SC, et al. **Singapore Med J** 1986 Apr;27(2):143–7

[Placental trophoblastic tumor of the uterus: 5 cases] Zhang JM. **Chung Hua I Hsueh Tsa Chih** 1985 Jun;65(6):349–51 (Chi)

[Early detection of neoplastic cells] Mizuochi T. **Nippon Rinsho** 1986 Feb;44(2):376–82 (24 ref.) (Jpn)

[Newly developed enzyme immunoassay for hCG-beta CTP and its significance in follow-up practice of trophoblastic disease] Sato Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Jul; 38(7):1079–86 (Eng. Abstr.) (Jpn)

DRUG THERAPY

The outcome of pregnancy after chemotherapy for gestational trophoblastic disease. Hsieh FJ, et al. **Biol Res Pregnancy Perinatol** 1985;6(4):177–80

Developments in chemotherapy for medium- and high-risk patients with gestational trophoblastic tumours (1979–1984). Newlands ES, et al. **Br J Obstet Gynaecol** 1986 Jan;93(1):63–9

Cisplatin, vinblastine, and bleomycin combination therapy in resistant gestational trophoblastic disease. Gordon AN, et al. **Cancer** 1986 Oct 1;58(7):1407–10

Primary oral etoposide therapy in gestational trophoblastic disease. An update. Wong LC, et al. **Cancer** 1986 Jul 1; 58(1):14–7

Risk factors in gestational trophoblastic disease, and consequences for primary treatment. Dijkema HE, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Jul;22(3):145–52

Treatment of persistent trophoblastic tissue after salpingostomy with methotrexate. Higgins KA, et al. **Fertil Steril** 1986 Mar;45(3):427–8

Ten year's experience with methotrexate and folinic acid as primary therapy for gestational trophoblastic disease. Berkowitz RS, et al. **Gynecol Oncol** 1986 Jan;23(1):111–8

Etoposide, methotrexate, and bleomycin in drug-resistant gestational trophoblastic disease. Wong LC, et al. **Gynecol Oncol** 1986 May;24(1):51–7

Modified Bagshawe's regimen in high-risk gestational trophoblastic disease. Wong LC, et al. **Gynecol Oncol** 1986 Jan;23(1):87–93

Hepatic metastases in gestational trophoblastic disease. Wong LC, et al. **Obstet Gynecol** 1986 Jan;67(1):107–11

Chemotherapy for trophoblastic neoplasms in the Philippines. Gonzales RB. **Southeast Asian J Trop Med Public Health** 1985 Dec; 16(4):669–74

[Analysis of pregnancy outcome after chemotherapy of trophoblastic disease] Kobayashi O, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Feb;38(2):181–6 (Eng. Abstr.) (Jpn)

FAMILIAL & GENETIC

Long-term effects of chemotherapy on lymphocyte chromosomes from patients treated for gestational trophoblastic tumours. Reeves BR, et al. **Br J Cancer** 1985 Nov;52(5):719–24

[Chromosomal studies in patients with trophoblastic diseases before and after chemotherapy] Li GR. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Jan;21(1):28–30, 60–1 (Eng. Abstr.) (Chi)

IMMUNOLOGY

T-cell subsets and natural killer cell activity in patients with gestational trophoblastic neoplasia. Ho PC, et al. **Am J Obstet Gynecol** 1986 Aug;155(2):330–4

[Reactivity of two monoclonal antibodies (Troma 1 and CAM 5.2) on tissue sections—as a histological trophoblast marker in normal pregnancy and trophoblastic disease] Sasagawa M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Apr; 38(4):535–44 (Eng. Abstr.) **(Jpn)**

[Immunohistochemical study on trophoblast subpopulations in normal pregnancy and trophoblastic disease] Sasagawa M. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Oct; 37(10):2010–8 (Eng. Abstr.) **(Jpn)**

METABOLISM

Affinity to lectin, biological and immunological characteristics of human chorionic gonadotropins from pregnant women and trophoblastic tumour patients. Koyama K, et al. **Acta Endocrinol (Copenh)** 1986 Aug; 112(4):579–85

Abnormal steroid excretion in gestational trophoblastic disease complicated by ovarian theca–lutein cysts. Bevan BR, et al. **J Clin Pathol** 1986 Jun;39(6):627–34

OCCURRENCE

A case–control study of trophoblastic diseases in the People's Republic of China. Wu PC, et al. **Natl Cancer Inst Monogr** 1985 Dec;69:15–8

[Incidence and therapeutic control of gestational trophoblastic disease] Zarain García AJ, et al. **Ginecol Obstet Mex** 1986 Jan;54:8–11 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Documentation of subclinical trophoblastic embolization with invasive cardiac monitoring in a woman with a molar pregnancy. A case report. Twiggs LB, et al. **J Reprod Med** 1986 Apr;31(4):277–9

[Trophoblastic tumor (of the placental site). Nosologic and prognostic considerations apropos of 4 cases] Bellocq JP, et al. **Arch Anat Cytol Pathol** 1985;33(4):241 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Thyroid function in gestational trophoblastic tumors. Vergadoro F, et al. **Tumori** 1986 Apr 30;72(2):205–9

PREVENTION & CONTROL

Prophylactic chemotherapy for hydatidiform mole. Five to 15 years follow–up. Kashimura Y, et al. **Cancer** 1986 Aug 1;58(3):624–9

Effects of prophylactic chemotherapy for persistent trophoblastic disease in patients with complete hydatidiform mole. Kim DS, et al. **Obstet Gynecol** 1986 May;67(5):690–4

PSYCHOLOGY

Psychosocial aspects of gestational trophoblastic disease in Chinese residents of Hong Kong. Ngan HY, et al. **J Reprod Med** 1986 Mar;31(3):173–8

RADIOGRAPHY

[Pelvic arteriography in the diagnosis of uterine malignant trophoblastic disease] Wen ZQ. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Jan;21(1):25–7, 60 (Eng. Abstr.) **(Chi)**

SECONDARY

Gestational trophoblastic disease: the significance of vaginal metastases. Goldberg GL, et al. **Gynecol Oncol** 1986 Jun; 24(2):155–61

Role of computed axial tomography of the chest in staging patients with nonmetastatic gestational trophoblastic disease. Mutch DG, et al. **Obstet Gynecol** 1986 Sep; 68(3):348–52

Chemotherapy for brain metastases. Newlands ES. **Prog Exp Tumor Res** 1985;29:167–76

THERAPY

Malignant trophoblastic neoplasias. Clinical experiences. Onnis A, et al. **Eur J Gynaecol Oncol** 1986;7(1):34–6

ULTRASTRUCTURE

Ultrastructure of molar trophoblast. Observations on hydatidiform mole and chorioadenoma destruens. Okudaira Y, et al. **Obstet Gynecol** 1967 Aug;30(2):172–87

URINE

[Lectin immunoradiometric assay versus improved radioimmunoassay: a comparison of methods for determination of desialylated forms of human chorionic gonadotropin] Imamura S. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Dec; 37(12):2697–703 (Eng. Abstr.) **(Jpn)**

TROPICAL CLIMATE

Tropical malnutrition diabetes [letter] McMillan DE. **Diabetologia** 1986 Feb;29(2):127–8

Human settlement and tropical cyclones. Agarwal OP, et al. **Int J Biometeorol** 1984;28 Suppl:43–9

Comparison of physical characteristics, body temperature and resting metabolic rate at 30 degrees C between subtropical and temperate natives. Hori S, et al. **Int J Biometeorol** 1986 Jun;30(2):115–22

Seasonal variations of physiological responses to heat of subtropical and temperate natives. Ihzuka H, et al. **Int J Biometeorol** 1986 Jun;30(2):107–13

Estimating genetic values for milk production in the tropics. Abubakar BY, et al. **J Dairy Sci** 1986 Apr;69(4):1087–92

Genetic and environmental effects upon reproductive performance of Holstein crossbreds in the Sudan. El Amin FM, et al. **J Dairy Sci** 1986 Apr;69(4):1093–7

Crossbreeding in tropical areas with emphasis on milk, health, and fitness. McDowell RE. **J Dairy Sci** 1985 Sep; 68(9):2418–35

The seasonality of bacterial quality of water in a tropical developing country (Sierra Leone). Wright RC. **J Hyg (Lond)** 1986 Feb;96(1):75–82

Milk consumption and hydration status of exclusively breast–fed infants in a warm climate. Brown KH, et al. **J Pediatr** 1986 May;108(5 Pt 1):677–80

Mechanism for the high incidence of sickle–cell crisis in the tropical cool season [letter] Addae S. **Lancet** 1971 Dec 4; 2(7736):1256

HTLV–I and tropical spastic paraparesis [letter] Bartholomew C, et al. **Lancet** 1986 Jul 12;2(8498):99–100

The influence of season and shade on oestrous behaviour, timing of preovulatory LH surge and the pattern of progesterone secretion in FFPN and Creole heifers in a tropical climate. Gauthier D. **Reprod Nutr Dev** 1986; 26(3):767–75

The pattern of angiodysplasia of the gastrointestinal tract in a tropical country. Jesudason SR, et al. **Surg Gynecol Obstet** 1985 Dec;161(6):525–31

Oestrous cycles, oestrus and ovulation of the zebu in the Mexican tropics. Vaca LA, et al. **Vet Rec** 1985 Oct 26; 117(17):434–7

[Approach to effects on health of hydro–agricultural development in tropical regions. Calculation of absenteeism] Le Bras M, et al. **Bull Soc Pathol Exot Filiales** 1986;79(2):251–8 (Eng. Abstr.) **(Fre)**

[Adaptation of breeding swine to high environmental temperatures and delimitation of tolerance ranges of thermically stressed swine populations] Poetschke J. **Beitr Trop Landwirtsch Veterinarmed** 1985;23(3):325–38 (Eng. Abstr.) **(Ger)**

[Epidemiology, etiology and laboratory diagnosis of infectious diarrhea diseases in the tropics] Bockemühl J. **Immun Infekt** 1985 Nov;13(6):269–75 (Eng. Abstr.) **(Ger)**

[Dermatologic problems in travelers returning from the tropics] Heimgartner E. **Schweiz Med Wochenschr** 1986 May 17;116(20):679–82 (Eng. Abstr.) **(Ger)**

[Enteropathogens in travellers returning from the tropics] Markwalder K, et al. **Schweiz Med Wochenschr** 1986 Jul 26;116(30):999–1002 (Eng. Abstr.) **(Ger)**

[Health advice before travel to tropical countries] Sigg–Farner C. **Schweiz Med Wochenschr** 1986 May 17; 116(20):682–6 (Eng. Abstr.) **(Ger)**

[Travelers returning from the tropics with fever] von Planta M. **Schweiz Med Wochenschr** 1986 May 17;116(20):674–8 (Eng. Abstr.) **(Ger)**

[Clinical aspects and treatment of strongyloidiasis combined with other intestinal helminthiases in residents of the tropics] Tikhomirova EP, et al. **Med Parazitol (Mosk)** 1985 Sep–Oct;(5):42–6 (Eng. Abstr.) **(Rus)**

[Characteristics of the clinical course and seasonal exacerbations of peptic ulcer under the climate conditions of Uzbekistan] Askarov UA, et al. **Ter Arkh** 1985; 57(10):135–6 **(Rus)**

[Features of dermatologic morbidity among workers of the commercial fishing fleet in the tropics] Lobanovskii GI, et al. **Vestn Dermatol Venerol** 1986;(2):35–7 (Eng. Abstr.) **(Rus)**

[Effect of increased doses of vitamin C on the adaptation and working ability of sailors in the tropical climate] Berdyshev VV. **Voen Med Zh** 1986 Jun;(6):47–8 **(Rus)**

ADVERSE EFFECTS

[Fitness for tropical climate from the otorhinolaryngologic viewpoint] Liebschner K. **Z Gesamte Hyg** 1986 May; 32(5):332–3 (Eng. Abstr.) **(Ger)**

TROPICAL MEDICINE

Diabetes in the tropics: differences from diabetes in the West. Mohan V, et al. **Acta Diabetol Lat** 1986 Apr–Jun;23(2):91–8 (46 ref.)

Peripheral neuropathy in tropical pancreatic diabetes. Ramachandran A, et al. **Acta Diabetol Lat** 1986 Apr–Jun; 23(2):135–40

Tropical diseases. Hall AP. **Br J Hosp Med** 1986 Jun; 35(6):420–4

Brazil's Institute of Tropical Medicine: it's not pretty but it works. Goldman B. **Can Med Assoc J** 1985 Nov 15; 133(10):1049–59

The persistent challenge of tropical parasitic infections. The Milroy Lecture 1984. Lucas AO. **J R Coll Physicians Lond** 1985 Oct;19(4):205–9

Emergency medical and feeding program in Silinka, Ethiopia [letter] Tsuboi S. **Kobe J Med Sci** 1986 Feb;32(1):39–43

Tropical or malnutrition–related diabetes: a real syndrome? Abu–Bakare A, et al. **Lancet** 1986 May 17;1(8490):1135–8

Tropical myositis: an underdiagnosed entity? Menon SP, et al. **Med J Malaysia** 1984 Dec;39(4):297–9

Disease research. Tropics still a low priority [news] Clarke M. **Nature** 1985 Oct 10–16;317(6037):467

Histopathology in tropical medicine: a perspective. Pesce CM. **Public Health Rep** 1986 Jul–Aug;101(4):417–9

Virus–associated cancers can be a major problem in the tropics [news] Marx JL. **Science** 1986 Feb 28;231(4741):919

The art of the possible. Ramalingaswami V. **Soc Sci Med** 1986;22(11):1097–103

Abstracts from the 13th Meeting of the Deutsche Tropenmedizinische Gesellschaft held on 17–20 April 1985 in Freudenstadt/Schwarzwald. **Trop Med Parasitol** 1985;36 Suppl 2:1–23

Progress in combating tropical disease. **WHO Chron** 1985; 39(5):176–81

Tropical diseases of the small bowel. Archampong EQ. **World J Surg** 1985 Dec;9(6):887–96

[Role of the European Institutes of Tropical Medicine (editorial)] **Ann Soc Belg Med Trop** 1985;65(4):321–2 **(Fre)**

[The reaction to viewing slides on tropical medicine. Evaluation study] Gateff C, et al. **Med Trop (Mars)** 1985 Oct–Dec;45(4):397–401 (Eng. Abstr.) **(Fre)**

[Prevention of tropical diseases in children] Dorner F. **Rev Med Suisse Romande** 1986 May;106(5):445–8 **(Fre)**

[Experiences in monitoring children traveling to the tropics] Padelt H, et al. **Padiatr Grenzgeb** 1986;25(2–3):219–24 (Eng. Abstr.) **(Ger)**

[Information with regard to the possibility of conducting serological studies of cosmopolitan and tropical human parasitic diseases] Myjak P, et al. **Pol Tyg Lek** 1986 Jan 21;41(3):93–6 (Eng. Abstr.) **(Pol)**

ECONOMICS

Tropical diseases. More research, more money? [news] Newmark P. **Nature** 1986 May 15–21;321(6067):189

[How to assess the economic cost of tropical diseases in a rural community] Guiguemde TR. **Bull Soc Pathol Exot Filiales** 1986;79(1):108–13 (Eng. Abstr.) **(Fre)**

EDUCATION

Departments of medicine and international health. Barry M, et al. **Am J Med** 1986 Jun;80(6):1019–21

[Education in tropical medicine. Introduction] Bourrel P. **Med Trop (Mars)** 1985 Oct–Dec;45(4):343–4 **(Fre)**

[Teaching at the Institute of Tropical Medicine of the Army Health Service (Le Pharo)] Bourrel P. **Med Trop (Mars)** 1985 Oct–Dec;45(4):379–85 (Eng. Abstr.) **(Fre)**

[Training in epidemiology at the Institute of Tropical Medicine of the Army Health Service. Experience over 4 years] Gateff C, et al. **Med Trop (Mars)** 1985 Oct–Dec; 45(4):387–96 (Eng. Abstr.) **(Fre)**

[The Institute of Health and Development: Why? For whom?] Gentilini M. **Med Trop (Mars)** 1985 Oct–Dec; 45(4):373–7 (Eng. Abstr.) **(Fre)**

[A certificate of proficiency in community health methods adapted to a tropical milieu] Gottot S, et al. **Med Trop (Mars)** 1985 Oct–Dec;45(4):363–71 (Eng. Abstr.) **(Fre)**

[The teachings of the Center for Education and Research in Tropical Medicine and Health. Analysis and pedagogic developments] Pène P, et al. **Med Trop (Mars)** 1985 Oct–Dec;45(4):355–61 (Eng. Abstr.) **(Fre)**

[Status and prospects of scientific research and specialist training in tropical medicine in the USSR] Iarotskii LS, et al. **Med Parazitol (Mosk)** 1985 Jul–Aug;(4):8–15 (Eng. Abstr.) **(Rus)**

HISTORY

Sir Patrick Manson and tropical dermatology. Chernin E. **Int J Dermatol** 1986 May;25(4):269–72

[50th anniversary of the Department of Tropical Diseases of the Order of Lenin Central Institute of Physician Advanced Training] Alekseeva MI. **Med Parazitol (Mosk)** 1986 Jan–Feb;(1):85–7 **(Rus)**

METHODS

[Diseases and their treatment in concentration camps along the River Kwai] Bras G. **Ned Tijdschr Geneeskd** 1985 Aug 10;129(32):1529–32 **(Dut)**

TRENDS

Public health—what is this thing called...? [letter] **Med J Aust** 1986 Apr 14;144(8):445–6

[Characteristics of otorhinolaryngological care in the tropics—a report on experiences from Angola] Liebschner K. **Z Gesamte Hyg** 1985 Dec;31(12):724–5 (Eng. Abstr.) **(Ger)**

[Current aspects of tropical medicine] Sergiev VP. **Med Parazitol (Mosk)** 1985 Jul–Aug;(4):3–8 **(Rus)**

TROPICAMIDE see under **PYRIDINES**

TROPOELASTIN see under **ELASTIN**

TROPOLONE see under CYCLOHEPTANES

TROPOMYOSIN

Effect of ethanol on tropomyosin in solution and in reconstituted thin filaments. Ishii Y, et al. **Arch Biochem Biophys** 1986 May 1;246(2):765–71

Interaction of actin with dansyl–tropomyosin. Burtnick LD, et al. **FEBS Lett** 1986 Mar 31;198(2):307–10

ANALYSIS

Immunocytochemical localization of tropomyosin in rat cerebellum. Burgoyne RD, et al. **Brain Res** 1985 Dec 30; 361(1–2):178–84

Preservation of cellular polarity in isolated hepatocytes. Visualization of cytoskeletal structures by indirect immunofluorescence and fluorescent staining with tetramethylrhodaminyl–phalloidin. Nickola I, et al. **Cell Tissue Res** 1986;243(2):437–40

Tropomyosin in peripheral ruffles of cultured rat kidney cells. Warren RH, et al. **Eur J Cell Biol** 1985 Sep;38(2):245–53

Monoclonal antibodies against chicken tropomyosin isoforms: production, characterization, and application. Lin JJ, et al. **Hybridoma** 1985 Fall;4(3):223–42

Native chicken gizzard tropomyosin is predominantly a beta gamma–heterodimer. Sanders C, et al. **J Biol Chem** 1986 Sep 25;261(27):12774–8

The alteration of myosin isoform compartmentation in specific mutants of Caenorhabditis elegans. Epstein HF, et al. **J Cell Biol** 1986 Sep;103(3):985–93

Influence of spinal cord stimulation upon myosin light chain and tropomyosin subunit expression in a fast muscle (posterior latissimus dorsi) of the chick embryo. Gardahaut MF, et al. **J Muscle Res Cell Motil** 1985 Dec;6(6):769–81

BLOOD

Excimer fluorescence of equine platelet tropomyosin labeled with N–(1–pyrenyl)iodoacetamide. Burtnick LD, et al. **Biochemistry** 1986 Jul 1;25(13):3875–80

Phosphorylation of a tropomyosin–like (30 KD) protein during platelet activation. Bourguignon LY, et al. **J Cell Biochem** 1985;29(1):19–30

GENETICS

Structure and DNA sequence of the tropomyosin I gene from Drosophila melanogaster. Basi GS, et al. **J Biol Chem** 1986 Jan 15;261(2):817–27

Rat embryonic fibroblast tropomyosin 1. cDNA and complete primary amino acid sequence. Yamawaki–Kataoka Y, et al. **J Biol Chem** 1985 Nov 25; 260(27):14440–5

A human oncogene formed by the fusion of truncated tropomyosin and protein tyrosine kinase sequences. Martin–Zanca D, et al. **Nature** 1986 Feb 27–Mar 5; 319(6056):743–8

Tissue–specific expression of the human tropomyosin gene involved in the generation of the trk oncogene. Reinach FC, et al. **Nature** 1986 Aug 14–20;322(6080):648–50

A muscle–type tropomyosin in human fibroblasts: evidence for expression by an alternative RNA splicing mechanism. MacLeod AR, et al. **Proc Natl Acad Sci USA** 1985 Dec; 82(23):7835–9

ISOLATION & PURIFICATION

An activating factor (tropomyosin) for the superprecipitation of actomyosin prepared from scallop adductor muscles. Takahashi M, et al. **J Biochem (Tokyo)** 1986 Feb; 99(2):339–47

Nonmuscle tropomyosin from ascites tumor cell microvilli. Liu YC, et al. **J Biol Chem** 1986 Apr 5;261(10):4568–73

Purification and characterization of multiple isoforms of tropomyosin from rat cultured cells. Matsumura F, et al. **J Biol Chem** 1985 Nov 5;260(25):13851–9

Adrenal medullary tropomyosins: purification and biochemical characterization. Côté A, et al. **J Neurochem** 1986 Jun;46(6):1771–82

[The myosin/paramyosin filament of the abdominal flexor of the crayfish Procambarus clarkii] Chen M, et al. **Sheng Li Hsueh Pao** 1985 Aug;37(4):383–7 (Eng. Abstr.) **(Chi)**

METABOLISM

Tropomyosin's end–to–end polymerization is irreversibly lost on exposure to urea or cyanate. Graceffa P, et al. **Biochem Biophys Res Commun** 1986 Jan 14;134(1):64–70

Calcium binding of arterial tropomyosin: involvement in the thin filament regulation of smooth muscle. Cavadore JC, et al. **Biochemistry** 1985 Sep 10;24(19):5216–21

Alpha–helix to random–coil transition of two–chain, coiled coils: experiments on the thermal denaturation of doubly cross–linked beta beta tropomyosin. Holtzer ME, et al. **Biochemistry** 1986 Apr 8;25(7):1688–92

Interaction of troponin and tropomyosin: spectroscopic and calorimetric studies. Ingraham RH, et al. **Biochemistry** 1985 Sep 10;24(19):5221–5

Fluorescence studies of the conformation of pyrene–labeled tropomyosin: effects of F–actin and myosin subfragment 1. Ishii Y, et al. **Biochemistry** 1985 Nov 5;24(23):6631–8

Regulation of the adenosinetriphosphatase activity of cross–linked actin–myosin subfragment 1 by troponin–tropomyosin. King RT, et al. **Biochemistry** 1985 Nov 19;24(24):7009–14

Effect of muscle tropomyosin on the kinetics of polymerization of muscle actin. Lal AA, et al. **Biochemistry** 1986 Mar 11;25(5):1154–8

An actin–depolymerizing protein (destrin) from porcine kidney. Its action on F–actin containing or lacking tropomyosin. Nishida E, et al. **Biochemistry** 1985 Nov 5; 24(23):6624–30

Mechanism of regulation of cardiac actin–myosin subfragment 1 by troponin–tropomyosin. Tobacman LS, et al. **Biochemistry** 1986 Feb 25;25(4):798–802

Ca2+ dependence of the ATPase activity of phosphorylated smooth muscle myosin: effects of tropomyosin and actin. Seidel JC, et al. **Biochim Biophys Acta** 1986 May 12; 871(1):93–100

Effects of the state of the succinimido–ring on the fluorescence and structural properties of pyrene maleimide–labeled alpha alpha–tropomyosin. Ishii Y, et al. **Biophys J** 1986 Jul;50(1):75–89

Muscle connections between imaginal discs in Drosophila. Dambly–Chaudière C, et al. **Dev Biol** 1986 Feb; 113(2):288–94

Modulation of actin–bundling activity of 55–kDa protein by multiple isoforms of tropomyosin. Matsumura F, et al. **J Biol Chem** 1986 Apr 5;261(10):4655–9

Intracellular localization of the 55–kD actin–bundling protein in cultured cells: spatial relationships with actin, alpha–actinin, tropomyosin, and fimbrin. Yamashiro–Matsumura S, et al. **J Cell Biol** 1986 Aug; 103(2):631–40

Differential degradation of [35S]methionine polypeptides in Duchenne muscular dystrophy skin fibroblasts in vitro. Rodemann HP, et al. **Proc Natl Acad Sci USA** 1986 Apr; 83(7):2086–90

[The paramyosin function in glycerinated muscle fibers during blocking with antibodies of its contacts with structural proteins] Kalamkarova MB, et al. **Biofizika** 1985 Jul–Aug;30(4):675–80 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

The effect of troponin–tropomyosin on the binding of heavy meromyosin to actin in the presence of ATP. Chalovich JM, et al. **J Biol Chem** 1986 Apr 15;261(11):5088–93

PHYSIOLOGY

Role of tropomyosin in smooth muscle contraction: effect of tropomyosin binding to actin on actin activation of myosin ATPase. Miyata H, et al. **Biochemistry** 1986 May 6;25(9):2725–9

RADIATION EFFECTS

Quantitative measurements of radiation damage to hydrated specimens observed in a wet gas environment. Fukushima K, et al. **J Electron Microsc (Tokyo)** 1982;31(2):119–26

TROPONIN

The amino acid sequence of human cardiac troponin–C. Rober A, et al. **Muscle Nerve** 1986 Jan;9(1):73–7

Stabilization of the long central helix of troponin C by intrahelical salt bridges between charged amino acid side chains. Sundaralingam M, et al. **Proc Natl Acad Sci USA** 1985 Dec;82(23):7944–7

ANALYSIS

A monoclonal antitroponin–T cross–reacts with smooth muscle and nonmuscle cells. Lim SS, et al. **Can J Biochem Cell Biol** 1985 Jun;63(6):470–8

Immunochemical analysis of troponin T isoforms in adult, embryonic, regenerating, and denervated chicken fast skeletal muscles. Shimizu N, et al. **Dev Biol** 1985 Oct; 111(2):324–34

Modulation of the interaction between the two halves of troponin C by the other troponin subunits. Wang CL, et al. **Eur J Biochem** 1986 Jan 2;154(1):225–8

Many isoforms of fast muscle troponin T from chicken legs. Imai H, et al. **J Biochem (Tokyo)** 1986 Mar;99(3):923–30

Ion–exchange high–performance liquid chromatographic purification of bovine cardiac and rabbit skeletal muscle troponin subunits. Cachia PJ, et al. **J Chromatogr** 1985 Oct 11;343(2):315–28

Expression of troponin T in atria and ventricles of avian and mammalian hearts. Wilkinson JM, et al. **J Mol Cell Cardiol** 1986 Mar;18(3):291–7

GENETICS

Generation of troponin T isoforms by alternative RNA splicing in avian skeletal muscle. Conserved and divergent features in birds and mammals. Hastings KE, et al. **J Biol Chem** 1985 Nov 5;260(25):13699–703

Complete nucleotide sequence of the fast skeletal troponin T gene. Alternatively spliced exons exhibit unusual interspecies divergence. Breitbart RE, et al. **J Mol Biol** 1986 Apr 5;188(3):313–24

Differentiation, not determination, regulates muscle gene activation: transfection of troponin I genes into multipotential and muscle lineages of 10T1/2 cells. Konieczny SF, et al. **Mol Cell Biol** 1985 Sep;5(9):2423–32

The chicken fast skeletal troponin I gene: exon organization and sequence. Nikovits W Jr, et al. **Nucleic Acids Res** 1986 Apr 25;14(8):3377–90

Structure, evolution, and regulation of a fast skeletal muscle troponin I gene. Baldwin AS Jr, et al. **Proc Natl Acad Sci USA** 1985 Dec;82(23):8080–4

METABOLISM

Calmodulin and troponin C: a comparative study of the interaction of mastoparan and troponin I inhibitory peptide [104–115]. Cachia PJ, et al. **Biochemistry** 1986 Jun 17; 25(12):3553–62

Common structural framework of the two Ca2+/Mg2+ binding loops of troponin C and other Ca2+ binding proteins. Herzberg O, et al. **Biochemistry** 1985 Sep 24; 24(20):5298–302

Interaction of troponin and tropomyosin: spectroscopic and calorimetric studies. Ingraham RH, et al. **Biochemistry** 1985 Sep 10;24(19):5221–5

Regulation of the adenosinetriphosphatase activity of cross–linked actin–myosin subfragment 1 by troponin–tropomyosin. King RT, et al. **Biochemistry** 1985 Nov 19;24(24):7009–14

Mechanism of regulation of cardiac actin–myosin subfragment 1 by troponin–tropomyosin. Tobacman LS, et al. **Biochemistry** 1986 Feb 25;25(4):798–802

Effect of ethanol on troponin calcium binding. Ishii Y, et al. **Biochim Biophys Acta** 1985 Nov 22;843(1–2):145–9

Ca2+–induced structural change in the Ca2+/Mg2+ domain of troponin C detected by crosslinking. Kareva VV, et al. **Biochim Biophys Acta** 1986 Feb 14;869(3):322–9

Energetics of the binding of calcium and troponin I to troponin C from rabbit skeletal muscle. Wang CK, et al. **Biophys J** 1985 Nov;48(5):727–39

Trypsin digestion of bovine cardiac troponin C in the presence and absence of calcium. McCubbin WD, et al. **Can J Biochem Cell Biol** 1985 Aug;63(8):812–23

Crystallographic determination of lanthanide ion binding to troponin C. Herzberg O, et al. **FEBS Lett** 1986 Apr 21; 199(2):279–82

Comparative calcium binding and conformational studies of turkey and rabbit skeletal troponin C. McCubbin WD, et al. **FEBS Lett** 1986 Jan 20;195(1–2):17–22

Conformational change of troponin T induced by calcium binding to troponin C. Iio T. **J Biochem (Tokyo)** 1985 Jul; 98(1):261–3

Calcium binding to the low affinity sites in troponin C induces conformational changes in the high affinity domain. A possible route of information transfer in activation of muscle contraction. Grabarek Z, et al. **J Biol Chem** 1986 Jan 15;261(2):608–13

Cooperative binding of myosin subfragment one to regulated actin as measured by fluorescence changes of troponin I modified with different fluorophores. Greene LE. **J Biol Chem** 1986 Jan 25;261(3):1279–85

A model for the Ca2+–induced conformational transition of troponin C. A trigger for muscle contraction. Herzberg O, et al. **J Biol Chem** 1986 Feb 25;261(6):2638–44

Evidence that the Sr2+ activation properties of cardiac troponin C are altered when substituted into skinned skeletal muscle fibers. Kerrick WG, et al. **J Biol Chem** 1985 Dec 15;260(29):15687–93

Altered Ca2+ dependence of tension development in skinned skeletal muscle fibers following modification of troponin by partial substitution with cardiac troponin C. Moss RL, et al. **J Biol Chem** 1986 May 5;261(13):6096–9

Distance measurements between metal–binding sites of calmodulin and from these sites to Cys–133 of troponin I in the binary complex. Wang CL. **J Biol Chem** 1986 Aug 25;261(24):11106–9

The binding of calcium to detergent–extracted rabbit psoas muscle fibres during relaxation and force generation. Fuchs F. **J Muscle Res Cell Motil** 1985 Aug;6(4):477–86

Stimulation of cardiac myofilament force, ATPase activity and troponin C Ca++ binding by bepridil. Solaro RJ, et al. **J Pharmacol Exp Ther** 1986 Aug;238(2):502–7

[Effect of neurotropic drugs on calmodulin and troponin C–dependent processes] Baldenkov GN, et al. **Biokhimiia** 1985 Jul;50(7):1141–50 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Modulation of the catalytic subunit of cyclic AMP–dependent protein kinase by calmodulin, S–100 protein, parvalbumin and troponin. Kuo WN, et al. **Cytobios** 1986;46(186–187):139–46

The effect of troponin–tropomyosin on the binding of heavy meromyosin to actin in the presence of ATP. Chalovich JM, et al. **J Biol Chem** 1986 Apr 15;261(11):5088–93

PHYSIOLOGY

Ca2+ activation of troponin C–extracted vertebrate striated fast–twitch muscle fibers. Babu A, et al. **FEBS Lett** 1986 Jul 14;203(1):20–4

Effects of partial extraction of troponin complex upon the tension–pCa relation in rabbit skeletal muscle. Further evidence that tension development involves cooperative effects within the thin filament. Moss RL, et al. **J Gen Physiol** 1986 May;87(5):761–74

The effects of partial extraction of TnC upon the tension–pCa relationship in rabbit skinned skeletal muscle fibers. Moss RL, et al. **J Gen Physiol** 1985 Oct;86(4):585–600

TROUT see under SALMONIDAE

TRUNCUS ARTERIOSUS, PERSISTENT

CHEMICALLY INDUCED

An aborted human fetus with truncus arteriosus communis—possible teratogenic effect of Tedral. Matsuoka R, et al. **Heart Vessels** 1985 Aug;1(3):176–8

COMPLICATIONS

Fatal infective endocarditis in a young adult with persistent truncus arteriosus and a bicuspid truncal valve. Eisen R, et al. **Am J Cardiol** 1986 Sep 15;58(7):654–5

DIAGNOSIS

Abnormalities of the conotruncus and DiGeorge syndrome [letter] Wolf WJ. **J Pediatr** 1985 Nov;107(5):821–2

[Imaging of a truncus arteriosus by nuclear resonance tomography] Uhlenbrock D, et al. **ROFO** 1985 Sep; 143(3):365–6 **(Ger)**

PATHOLOGY

Monoventricular origin of truncus arteriosus communis. Salazar J, et al. **Acta Cardiol (Brux)** 1985;40(4):425–31

RADIOGRAPHY

[Angiocardiographic diagnosis. Hemitruncus arteriosus] Espinosa-López AF, et al. **Bol Asoc Med PR** 1986 Jul; 78(7):296–7 **(Spa)**

SURGERY

[A successful primary correction of persistent truncus arteriosus in a 5-month-old infant] Kawaue Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Feb;34(2):255–60 (Eng. Abstr.) **(Jpn)**

[Pseudotruncus arteriosus associated with large aorto-pulmonary collateral arteries—operative indications and management of collaterals] Matsuda H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Jul;33(7):1008–16 (Eng. Abstr.) **(Jpn)**

[Fungal endocarditis after a conduit operation for truncus arteriosus in infancy] Ohtake S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Sep;33(9):1369–73 (Eng. Abstr.) **(Jpn)**

TRUSTEES see under GOVERNING BOARD

TRUTH DISCLOSURE

Chemical disclosure legal developments: affecting Alaska. Uzych L. **Alaska Med** 1985 Jul–Sep;27(3):67–71

Right-to-know laws and evaluation of toxicologic data. Bunn WB 3d. **Ann Intern Med** 1985 Dec;103(6 (Pt 1)):947–9

Social desirability response set and systematic distortion in the self-report of adult male gender patients. Blanchard R, et al. **Arch Sex Behav** 1985 Dec;14(6):505–16

What doctors tell patients with breast cancer about diagnosis and treatment: findings from a study in general hospitals. GIVIO (Interdisciplinary Group for Cancer Care Evaluation) Italy. **Br J Cancer** 1986 Aug;54(2):319–26

Breaking bad news to patients. Hoy AM. **Br J Hosp Med** 1985 Aug;34(2):96–9

Giving patients their own records in general practice: experience of patients and staff. Baldry M, et al. **Br Med J [Clin Res]** 1986 Mar 1;292(6520):596–8

Our patients have access to their medical records. Bird AP, et al. **Br Med J [Clin Res]** 1986 Mar 1;292(6520):595–6

Telling the truth and medical ethics. Gillon R. **Br Med J [Clin Res]** 1985 Nov 30;291(6508):1556–7

Whose data are they anyway? [editorial] Metcalfe D. **Br Med J [Clin Res]** 1986 Mar 1;292(6520):577–8

Neurological complications of coronary artery bypass graft surgery [letter] Pollock AV. **Br Med J [Clin Res]** 1986 Aug 9;293(6543):390

The case against showing patients their records [editorial] Ross AP. **Br Med J [Clin Res]** 1986 Mar 1;292(6520):578

False accusations of physical and sexual abuse. Schuman DC. **Bull Am Acad Psychiatry Law** 1986;14(1):5–21

Rules of informed consent require explanation of risks. Picard E. **Dimens Health Serv** 1986 Jun;63(5):16, 28

Effects of biochemical validation of self-reported cigarette smoking on treatment success and on misreporting abstinence. Glynn SM, et al. **Health Psychol** 1986; 5(2):125–36

Inaccuracy of family health information: implications for prevention. Hastrup JL. **Health Psychol** 1985;4(4):389–97

Accuracy of knowledge of family history of cardiovascular disorders. Hastrup JL, et al. **Health Psychol** 1985; 4(4):291–306

Ethical considerations in nursing practice. Sheehan J. **J Adv Nurs** 1985 Jul;10(4):331–6

The bogus pipeline revisited: the use of the threat of detection as a means of increasing self-reports of tobacco use. Hansen WB, et al. **J Appl Psychol** 1985 Nov;70(4):789–92

Informing children about a parent's terminal illness. Rosenheim E, et al. **J Child Psychol Psychiatry** 1985 Nov; 26(6):995–8

Case conference. A father says, "Don't tell my son the truth". **J Med Ethics** 1985 Sep;11(3):153–8

Pain and deception: use of verbal pain measurement as a diagnostic aid in differentiating between clinical and simulated low-back pain. Leavitt F. **J Psychosom Res** 1985; 29(5):495–505

Medical accountability. Black D. **J R Coll Physicians Lond** 1985 Oct;19(4):203–4

Use of a bogus pipeline method to increase accuracy of self-reported alcohol consumption among pregnant women. Lowe JB, et al. **J Stud Alcohol** 1986 Mar; 47(2):173–5

Mammon and medicine. The rewards of clinical trials. Spiro HM. **JAMA** 1986 Mar 7;255(9):1174–5

Stress and cancer surveys [letter] Chilvers C, et al. **Lancet** 1986 Jun 21;1(8495):1446

Some consequences of granting patients access to consultants' records. Short D. **Lancet** 1986 Jun 7;1(8493):1316–8

The doctor and the cancer patient [letter] van Assendelft AH. **Lancet** 1985 Jan 11;1(8472):100

Bearing the news [letter] **N Engl J Med** 1985 Dec 19; 313(25):1613

Bearing the news: should doctors tell it all? [letter] Temianka D. **N Engl J Med** 1986 May 8;314(19):1259

Disclosure of a physical disability—an informal look. Trinkaus JW. **Percept Mot Skills** 1986 Feb;62(1):157–8

Influence of dissimulation on indexes of response consistency for the MMPI. Gallucci NT. **Psychol Rep** 1985 Dec;57(3 Pt 1):1013–4

Disclosure of information concerning chemical hazards in Rhode Island. Uzych L. **RI Med J** 1985 Aug;68(8):367–9

Honesty and ethics in medical research [editorial] **Trop Gastroenterol** 1985 Apr–Jun;6(2):61–2

[The truth or a "merciful" lie in communicating the basic diagnosis to patients with malignant tumors?] Kouteckỳ J. **Cas Lek Cesk** 1986 Jan 17;125(3):90–2 **(Cze)**

[Multiple sclerosis. The problem of informing patients of the diagnosis] Lenský P. **Cas Lek Cesk** 1986 Jun 20; 125(25):786–8 (Eng. Abstr.) **(Cze)**

[Truth and health (letter)] **Ugeskr Laeger** 1985 Aug 5; 147(32):2531–3 **(Dan)**

[Special information must be given to the older pregnant woman] **Ned Tijdschr Geneeskd** 1986 Mar 8;130(10):457 **(Dut)**

[Elucidation in multiple sclerosis (letter)] Firnhaber W. **Dtsch Med Wochenschr** 1986 Feb 28;111(9):356 **(Ger)**

[Elucidation of the patient concerning treatment errors] Rieger HJ. **Dtsch Med Wochenschr** 1986 Feb 7;111(6):234–5 **(Ger)**

[Patient information in multiple sclerosis] Wöllner U. **Dtsch Med Wochenschr** 1986 Mar 21;111(12):478 **(Ger)**

[The question of truth in social medicine expert evaluation] Grosspietzsch R, et al. **Off Gesundheitswes** 1986 Jun; 48(6):277–80 (Eng. Abstr.) **(Ger)**

[The psychological implications of cancer in the relations of the patient with the family and hospital environment] Canarutto P, et al. **Minerva Med** 1986 Aug 25; 77(32–33):1467–72 (Eng. Abstr.) **(Ita)**

TRYPAN BLUE

[Trypan blue and alizarin red S sequential staining with subsequent fixation. A modified technic for the study of the corneal endothelium] Hartmann C, et al. **Klin Monatsbl Augenheilkd** 1986 Apr;188(4):302–6 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

Use of trypan blue for identifying early proximal convoluted tubules. Linshaw MA, et al. **Am J Physiol** 1986 Aug;251(2 Pt 2):F214–9

Predictive value of trypan blue exclusion viability measurements for colony formation in a human tumor cloning assay. Cowan JD, et al. **Cancer Drug Deliv** 1984; 1(2):95–100

Vital staining of corneal endothelium. Singh G, et al. **Cornea** 1985–86;4(2):80–91

TOXICITY

[Postnatal development of offspring from pregnant rats treated with trypan blue] Ema M, et al. **Eisei Shikenjo Hokoku** 1985;(103):75–81 (Eng. Abstr.) **(Jpn)**

[Fetal intrauterine death and fetal malformation induced by trypan blue in rats] Ema M, et al. **Eisei Shikenjo Hokoku** 1985;(103):101–3 (Eng. Abstr.) **(Jpn)**

TRYPANOCIDAL AGENTS

Carbocyclic inosine as a potent anti-leishmanial agent: the metabolism and selective cytotoxic effects of carbocyclic inosine in promastigotes of Leishmania tropica and Leishmania donovani. Hiraoka O, et al. **Biochem Biophys Res Commun** 1986 Feb 13;134(3):1114–21

Trypanosoma brucei: five commonly used trypanocides assayed in vitro with a mammalian feeder layer system for cultivation of bloodstream forms. Borowy NK, et al. **Exp Parasitol** 1985 Dec;60(3):323–30

BLOOD

Determination of the trypanocidal drugs homidium, isometamidium and quinapyramine in bovine serum or plasma using HPLC. Perschke H, et al. **Acta Trop (Basel)** 1985 Sep;42(3):209–16

Irreversible binding of berenil, a trypanocidal drug to blood proteins. Alvi NK, et al. **Indian J Exp Biol** 1985 Mar; 23(3):172–3

Encapsulation potential of a trypanocidal drug homidium bromide in bovine carrier erythrocytes. DeLoach JR. **Res Exp Med (Berl)** 1985;185(5):345–53

CHEMICAL SYNTHESIS

Amidoximes of pentamidine: synthesis, trypanocidal and leishmanicidal activity. Clement B, et al. **Arzneimittelforschung** 1985;35(7):1009–14

METABOLISM

Interaction of benznidazole reactive metabolites with rat liver deoxyribonucleic acid and nuclear proteins. Gorla N, et al. **Arch Int Pharmacodyn Ther** 1986 Mar;280(1):22–31

Studies in cattle on the disposition of the anti-trypanosomal drug diminazene diaceturate (Berenil). Kellner HM, et al. **Trop Med Parasitol** 1985 Dec;36(4):199–204

PHARMACODYNAMICS

In vitro and in vivo effects of itraconazole against Trypanosoma cruzi. McCabe RE, et al. **Am J Trop Med Hyg** 1986 Mar;35(2):280–4

Effect of benznidazole on the mixed function oxygenase system from rat liver microsomes. Masana M, et al. **Arch Int Pharmacodyn Ther** 1985 Jul;276(1):4–11

Photosensitization by the trypanocidal agent crystal violet. Type I versus type II reactions. Reszka K, et al. **Chem Biol Interact** 1986 May;58(2):161–72

Action of pyrazolopyrimidine derivatives on Trypanosoma rangeli culture forms. Avila JL, et al. **Comp Biochem Physiol [C]** 1986;83(2):291–4

An assay for screening drugs against animal-infective bloodstream forms of Trypanosoma brucei brucei in vitro. Borowy NK, et al. **Drugs Exp Clin Res** 1985;11(3):155–61

Trypanosoma cruzi: ultrastructural changes produced by an anti-trypanosomal factor from Pseudomonas fluorescens. Mercado TI, et al. **Exp Parasitol** 1986 Feb;61(1):65–75

Action of isometamidium chloride on the insect vector form of Trypanosoma vivax. Agu WE. **Res Vet Sci** 1985 Nov; 39(3):289–91

[Demonstration of resistance to trypanocides among the species of Trypanosoma congolense recently isolated in Burkina] Authie E, et al. **Rev Elev Med Vet Pays Trop** 1984;37 Spec No:219–35 (Eng. Abstr.) **(Fre)**

[Different effects of nifurtimox and benznidazole on the biosynthesis of DNA, RNA and proteins in Trypanosoma cruzi] Goijman SG, et al. **Medicina (B Aires)** 1984; 44(3):261–70 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Evaluation of chemotherapy with benznidazole and nifurtimox in mice infected with Trypanosoma cruzi strains of different types. Andrade SG, et al. **Bull WHO** 1985; 63(4):721–6

Protection of the sleeping sickness trypanosome from chemotherapy by different parts of the brain. Raseroka BH, et al. **East Afr Med J** 1985 Jul;62(7):452–8

Trypanosoma brucei and T. vivax: salicylhydroxamic acid and glycerol treatment of acute and chronically infected rats. van der Meer C, et al. **Exp Parasitol** 1986 Aug; 62(1):98–113

Chemoprophylaxis: Boran cattle can be productive under high tsetse challenge. Trail JC, et al. **Rev Elev Med Vet Pays Trop** 1984;37 Spec No:270–5

The effect of allopurinol on ribonucleoside and formycin B on Trypanosoma cruzi infections in mice. Croft SL, et al. **Trans R Soc Trop Med Hyg** 1985;79(4):517–8

Immunopathological aspects of trypanosomal meningoencephalitis in vervet monkeys after relapse following Berenil treatment. Poltera AA, et al. **Trans R Soc Trop Med Hyg** 1985;79(4):527–31

Treatment of gambiense sleeping sickness in the Sudan with oral DFMO (DL-alpha-difluoromethylornithine), an inhibitor of ornithine decarboxylase; first field trial. Van Nieuwenhove S, et al. **Trans R Soc Trop Med Hyg** 1985; 79(5):692–8

Relapse infection after chemotherapy in goats experimentally infected with Trypanosoma brucei: pathological changes in central nervous system. Moulton JE. **Vet Pathol** 1986 Jan;23(1):21–8

Multiple drug resistance in Trypanosoma vivax in Kenya [letter] Njogu AR, et al. **Vet Rec** 1986 Feb 1;118(5):133–4

Multiple drug resistance in Trypanosoma vivax in the Tana River District of Kenya. Röttcher D, et al. **Vet Rec** 1985 Nov 23;117(21):557–8

Isometamidium chloride prophylaxis against Trypanosoma congolense challenge and the development of immune responses in Boran cattle. Whitelaw DD, et al. **Vet Rec** 1986 Jun 28;118(26):722–6

[Duration of the preventive action of diminazene aceturate on experimental infection of NMRI mice with metacyclic forms of Trypanosoma brucei brucei] Dehoux JP, et al. **Ann Soc Belg Med Trop** 1986;66(2):191–2 **(Fre)**

[Allopurinol in the treatment of chronic Chagas' disease] Meirovich CI, et al. **Arq Bras Cardiol** 1985 Sep;45(3):217–23

(Eng. Abstr.) (Spa)
[Treatment of Chagas' disease] Apt W. Rev Med Chil 1985 Feb;113(2):162–6 (Eng. Abstr.) (Spa)

TOXICITY

Mutagenicity of CL 64855, a potent anti-Trypanosoma cruzi drug. Ferreira RC, et al. Mutat Res 1986 Jul;171(1):11–5

TRYPANOSOMA

Trypanosoma evansi: in-vitro serum-dependent phagocytosis. Tejero F, et al.
Rev Elev Med Vet Pays Trop 1984;37 Spec No:263–9

ANALYSIS

Isolation and characterization of a neutral glycosphingolipid from the epimastigote form of Trypanosoma mega. Vermelho AB, et al. J Protozool 1986 May;33(2):208–13
Comparative structural analysis of calmodulins from Trypanosoma brucei, T. congolense, T. vivax, Tetrahymena thermophila and bovine brain. Ruben L, et al. Mol Biochem Parasitol 1985 Dec;17(3):331–41

CLASSIFICATION

A preliminary comparison of Trypanosoma simiae and T. congolense by isoenzyme electrophoresis. Gashumba JK, et al. Acta Trop (Basel) 1986 Mar;43(1):15–9
Differentiation of Trypanosoma cruzi, T. cruzi marinkellei, T. dionisii and T. vespertilionis by monoclonal antibodies. Petry K, et al. Acta Trop (Basel) 1986 Mar;43(1):5–13
Cytofluorometry as a method for the differentiation of trypanosomes. Mühlpfordt H, et al. Trop Med Parasitol 1985 Sep;36(3):135–9
Use of enzyme ratios for differentiating stocks of Trypanosoma vivax. Ukoha AI. Z Parasitenkd 1986; 72(3):307–12

CYTOLOGY

Forms of Trypanosoma sp. in Rana ridibunda from Saudi Arabia. Ramadan NF, et al. J Egypt Soc Parasitol 1986 Jun;16(1):287–92
Morphological changes of Trypanosoma vivax in mice. Dirie MF, et al. Vet Parasitol 1986 Jan;19(1–2):23–7

DRUG EFFECTS

Action of pyrazolopyrimidine derivatives on Trypanosoma rangeli culture forms. Avila JL, et al.
Comp Biochem Physiol [C] 1986;83(2):291–4
Action of isometamidium chloride on the insect vector form of Trypanosoma vivax. Agu WE. Res Vet Sci 1985 Nov; 39(3):289–91

ENZYMOLOGY

Inhibitors of trypanosome topoisomerases. Riou G, et al.
Biochem Soc Trans 1986 Apr;14(2):496–9
Thiol-dependent proteases of African trypanosomes. Analysis by electrophoresis in sodium dodecyl sulphate/polyacrylamide gels co-polymerized with fibrinogen. Lonsdale-Eccles JD, et al. Eur J Biochem 1986 Mar 17;155(3):469–73
The occurrence and distribution of alpha-hydroxy-acid dehydrogenase in some members of the order Kinetoplastida. Taylor MB, et al. FEBS Lett 1986 Apr 21; 199(2):237–41
The association of distinct acid phosphatases with the flagella pocket and surface membrane fractions obtained from bloodstream forms of Trypanosoma rhodesiense. McLaughlin J. Mol Cell Biochem 1986 May;70(2):177–84
Isoenzyme analysis of stocks of trypanosomes isolated from cattle in Indonesia. Bold R, et al. Res Vet Sci 1985 Nov; 39(3):388–9

GENETICS

Discontinuous transcription and antigenic variation in trypanosomes. Borst P. Annu Rev Biochem 1986;55:701–32 (161 ref.)
Expression of whole and hybrid genes in Trypanosoma equiperdum antigenic variation. Longacre S, et al.
EMBO J 1986 May;5(5):1057–63
The use of incomplete genes for the construction of a Trypanosoma equiperdum variant surface glycoprotein gene. Roth CW, et al. EMBO J 1986 May;5(5):1065–70
Tubulin genes of the African trypanosome Trypanosoma brucei rhodesiense:nucleotide sequence of a 3.7-kb fragment containing genes for alpha and beta tubulins. Kimmel BE, et al. Gene 1985;35(3):237–48
The molecular biology of antigenic variation in trypanosomes: gene rearrangements and discontinuous transcription. De Lange T. Int Rev Cytol 1986;99:85–117 (127 ref.)
Ribonucleotides associated with a gap in newly replicated kinetoplast DNA minicircles from Trypanosoma equiperdum. Ntambi JM, et al. J Biol Chem 1986 Sep 5; 261(25):11890–5
Trypanosomes of subgenus Trypanozoon are diploid for housekeeping genes. Gobson WC, et al.
Mol Biochem Parasitol 1985 Sep;16(3):231–42
Stable expression of two variable surface glycoproteins by cloned Trypanosoma equiperdum. Baltz T, et al. Nature 1986 Feb 13–19;319(6054):602–4
The 35-nucleotide spliced leader sequence is common to all trypanosome messenger RNA's. Walder JA, et al.
Science 1986 Aug 1;233(4763):569–71
[A synchronizer DNA; the kDNA of trypanosomes] Battaglia PA, et al. Ann Ist Super Sanita 1986;22(1):157–61 (Eng. Abstr.) (Ita)

GROWTH & DEVELOPMENT

In vitro cultivation of African stocks of Trypanosoma (Trypanozoon) brucei evansi. Zweygarth E, et al.
Ann Soc Belg Med Trop 1986;66(2):145–51
3'-nucleotidase activity in procyclic and bloodstream stages of Trypanosoma rhodesiense. Gottlieb M, et al.
Comp Biochem Physiol [B] 1986;83(1):63–9
In vitro growth of Trypanosoma musculi: requirements of cells and serum free culture medium. Vincendeau P, et al. Int J Parasitol 1986 Aug;16(4):387–90
In vitro production of metacyclic forms of Trypanosoma musculi and their infectivity in CBA mice. Roger M, et al. J Protozool 1986 Feb;33(1):87–9
Studies on Trypanosoma rangeli Tejera, 1920. VI. Developmental pattern in the haemolymph of Rhodnius prolixus. Añez N. Mem Inst Oswaldo Cruz 1983 Oct–Dec; 78(4):413–9
[3 infections by trypanosomes observed in Hyalomma detritum, Ixodes ricinus and Rhipicephalus sanguineus (Acarina: Ixodidae)] Yousfi Monod R, et al.
Schweiz Arch Tierheilkd 1986 May;128(5):243–54 (Eng. Abstr.) (Fre)

IMMUNOLOGY

Antibody response to experimental Trypanosoma rangeli infection and its implications for immunodiagnosis of South American trypanosomiasis. Guhl F, et al.
Acta Trop (Basel) 1985 Dec;42(4):311–8
Antigenic variation in African trypanosomes. Boothroyd JC.
Annu Rev Microbiol 1985;39:475–502 (160 ref.)
Trypanosoma musculi infection in the CBA/N mouse. Vigeant P, et al. Can J Microbiol 1986 Feb;32(2):181–3
Antigens of African trypanosomes. Turner MJ.
Curr Top Microbiol Immunol 1985;120:141–58 (94 ref.)
Identification of antibody classes and Fc receptors responsible for phagocytosis of Trypanosoma musculi by mouse macrophages. Vincendeau P, et al. Infect Immun 1986 Sep;53(3):600–5
Procyclic tsetse fly midgut forms and culture forms of African trypanosomes share stage- and species-specific surface antigens identified by monoclonal antibodies. Richardson JP, et al. J Immunol 1986 Mar 15; 136(6):2259–64
Antigenic variation in trypanosomes: genomes in flux. Spriggs DR. J Infect Dis 1985 Oct;152(4):855–6
The role of the macrophage in immunity to Trypanosoma musculi. Ferrante A. Parasite Immunol 1986 Mar; 8(2):117–27
Participation of IgG2b antibodies in the initial control of Trypanosoma musculi infection. Olivier M, et al.
Parasite Immunol 1986 Jan;8(1):27–9
Antigenic variation during Trypanosoma vivax infections of different host species. Barry JD. Parasitology 1986 Feb;92 (Pt 1):51–65
Further studies of cyclical transmission and antigenic variation of the ILDar 1 serodeme of Trypanosoma vivax. Gardiner PR, et al. Parasitology 1986 Jun;92 (Pt 3):581–93
Antigenic variation in Trypanosoma evansi: variable antigen type (VAT) composition of first relapse populations in mice. Jones TW, et al. Trop Med Parasitol 1985 Sep; 36(3):127–30
Antigenic variation in Trypanosoma evansi: a comparison of the predominant variable antigen type repertoire of stocks from Sudan. Jones TW, et al.
Trop Med Parasitol 1985 Dec;36(4):205–9
Comparative investigations of Latin American trypanosomes with lectins and complement lysis test. Schottelius J, et al. Trop Med Parasitol 1986 Mar;37(1):54–8
Application of chemi- and bioluminescence in studies of immunological reactions against protozoa. Diesing L, et al. Vet Parasitol 1986 Mar;20(1–3):229–35
Studies on the sequence of variable antigen types in ponies infected with a clone of Trypanosoma evansi. Diesing L, et al. Z Parasitenkd 1986;72(2):145–51
[Trypanosoma rangeli Tejera, 1920. VIII. Response to reinfections in 2 mammals] Añez N, et al.
Mem Inst Oswaldo Cruz 1985 Apr–Jun;80(2):149–53 (Eng. Abstr.) (Spa)

ISOLATION & PURIFICATION

Trypanosoma cruzi and Trypanosoma rangeli in Saimiri sciureus from Bolivia and Saguinus mistax from Brazil. D'Alessandro A, et al. Am J Trop Med Hyg 1986 Mar; 35(2):285–9
Extrachromosomal inheritance of susceptibility to trypanosome infection in tsetse flies. II. Susceptibility of selected lines of Glossina morsitans morsitans to different stocks and species of trypanosome. Maudlin I, et al.
Ann Trop Med Parasitol 1986 Feb;80(1):97–105

PATHOGENICITY

A study on the ecology and trypanosome infection of Glossina morsitans submorsitans Newst in south Darfur, Sudan. Rahman AH, et al.
Rev Elev Med Vet Pays Trop 1984;37 Spec No:203–10
Effect of strains of mice and challenge dose on the infectivity and virulence of Trypanosoma vivax. Joshua RA.
Vet Parasitol 1986 Jan;19(1–2):39–45

PHYSIOLOGY

Survival period of field isolates of Trypanosoma vivax in refrigerated blood. Short communication. Ekwuruke JO, et al. Acta Trop (Basel) 1985 Sep;42(3):273–4
The probability of tsetse acquiring trypanosome infection from single blood meal in different localities in Kenya. Tarimo SA, et al. Acta Trop (Basel) 1985 Sep;42(3):199–207

ULTRASTRUCTURE

Ultrastructure of the fibrous matrix surrounding cells of Trypanosoma melophagium in the hind-gut of the sheep ked, Melophagus ovinus. Heywood P, et al. Cytobios 1985; 44(177–178):183–8
Metacyclic Trypanosoma vivax possess a surface coat. Gardiner PR, et al. Parasitology 1986 Feb;92 (Pt 1):75–82

TRYPANOSOMA BRUCEI see TRYPANOSOMA BRUCEI BRUCEI

TRYPANOSOMA BRUCEI BRUCEI

ANALYSIS

Physical and immunological analysis of the two domains isolated from a variant surface glycoprotein of Trypanosoma brucei. Gomes V, et al.
Arch Biochem Biophys 1986 Sep;249(2):427–36
A new method for the rapid purification of both the membrane-bound and released forms of the variant surface glycoprotein from Trypanosoma brucei. Jackson DG, et al. Biochem J 1985 Aug 15;230(1):195–202
Trypanosoma brucei brucei variant surface glycoprotein contains non-N-acetylated glucosamine. Strang AM, et al.
Biochem J 1986 Mar 1;234(2):481–4
Lipid composition of bloodstream forms of Trypanosoma brucei brucei. Carroll M, et al.
Comp Biochem Physiol [B] 1986;83(3):647–51
Solution properties of the variant surface glycoprotein of Trypanosoma brucei. Gurnett AM, et al.
Mol Biochem Parasitol 1986 Feb;18(2):141–53
Purification and characterisation of membrane-form variant surface glycoproteins of Trypanosoma brucei. Gurnett AM, et al. Mol Biochem Parasitol 1986 Jul;20(1):1–13
Leishmania and Trypanosoma surface glycoproteins have a common glycophospholipid membrane anchor. Bordier C, et al. Proc Natl Acad Sci USA 1986 Aug;83(16):5988–91

CLASSIFICATION

Characterization of cyclically transmitted Trypanosoma (T.) brucei isolates from man. Richner D, et al.
Acta Trop (Basel) 1986 Mar;43(1):21–9
The use of DNA hybridization and numerical taxonomy in determining relationships between Trypanosoma brucei stocks and subspecies. Paindavoine P, et al. Parasitology 1986 Feb;92 (Pt 1):31–50
Characterization of Trypanozoon stocks from the South Nyanza sleeping sickness focus in Western Kenya. Gibson WC, et al. Trans R Soc Trop Med Hyg 1985;79(5):671–6
Cytofluorometry as a method for the differentiation of trypanosomes. Mühlpfordt H, et al. Trop Med Parasitol 1985 Sep;36(3):135–9

CYTOLOGY

Trypanosoma brucei: cis-aconitate and temperature reduction as triggers of synchronous transformation of bloodstream to procyclic trypomastigotes in vitro. Czichos J, et al. Exp Parasitol 1986 Oct;62(2):283–91

DRUG EFFECTS

In vitro activity of the trypanocidal diamidine DAPI on animal-infective Trypanosoma brucei brucei. Borowy NK, et al. Acta Trop (Basel) 1985 Dec;42(4):287–98
An assay for screening drugs against animal-infective bloodstream forms of Trypanosoma brucei brucei in vitro. Borowy NK, et al. Drugs Exp Clin Res 1985;11(3):155–61
Trypanosoma brucei: five commonly used trypanocides assayed in vitro with a mammalian feeder layer system for cultivation of bloodstream forms. Borowy NK, et al.
Exp Parasitol 1985 Dec;60(3):323–30
Polyamine depletion following exposure to DL-alpha-difluoromethylornithine both in vivo and in vitro initiates morphological alterations and mitochondrial activation in a monomorphic strain of Trypanosoma brucei brucei. Giffin BF, et al. J Protozool 1986 May;33(2):238–43
Inhibition of glyceraldehyde-3-phosphate dehydrogenase by pentalenolactone in Trypanosoma brucei. Duszenko M, et al. Mol Biochem Parasitol 1986 Jun;19(3):223–9
p-Alkyloxybenzhydroxamic acids, effective inhibitors of the trypanosome glycerol-3-phosphate oxidase. Grady RW, et al. Mol Biochem Parasitol 1986 Jun;19(3):231–40

ENZYMOLOGY

Unusual RNA polymerase content of Trypanosoma brucei

nuclei. Earnshaw DL, et al.
Biochem Biophys Res Commun 1985 Sep 16;131(2):844–8

A comparative study of the purine- and pyrimidine-metabolising enzymes of a range of trypanosomatids. Hassan HF, et al.
Comp Biochem Physiol [B] 1986;84(2):219–23

Structure and regulated expression of genes encoding fructose biphosphate aldolase in Trypanosoma brucei. Clayton CE. **EMBO J** 1985 Nov;4(11):2997–3003

Topogenesis of microbody enzymes: a sequence comparison of the genes for the glycosomal (microbody) and cytosolic phosphoglycerate kinases of Trypanosoma brucei. Osinga KA, et al. **EMBO J** 1985 Dec 30;4(13B):3811–7

Glycolytic enzymes of Trypanosoma brucei. Simultaneous purification, intraglycosomal concentrations and physical properties. Misset O, et al. **Eur J Biochem** 1986 Jun 2; 157(2):441–53

Stimulation of Trypanosoma brucei pyruvate kinase by fructose 2,6-bisphosphate. van Schaftingen E, et al.
Eur J Biochem 1985 Dec 2;153(2):403–6

Purification and characterization of the membrane-form variant surface glycoprotein hydrolase of Trypanosoma brucei. Bülow R, et al. **J Biol Chem** 1986 Sep 5; 261(25):11918–23

The phospholipase A1 of Trypanosoma brucei does not release myristate from the variant surface glycoprotein. Hambrey PN, et al. **J Biol Chem** 1986 Mar 5;261(7):3229–32

The role of compartmentation and glycerol kinase in the synthesis of ATP within the glycosome of Trypanosoma brucei. Hammond DJ, et al. **J Biol Chem** 1985 Dec 15; 260(29):15646–54

Effects on Trypanosoma brucei differentiating bloodstream trypomastigotes and established procyclic trypomastigotes when grown in the presence of respiratory inhibitors. Le Febvre RB, et al. **J Parasitol** 1986 Jun;72(3):481–3

Absence of substrate channeling in the glycosome of Trypanosoma brucei. Aman RA, et al.
Mol Biochem Parasitol 1986 Apr;19(1):1–10

GENETICS

Trypanosoma brucei: the extent of conversion in antigen genes may be related to the DNA coding specificity. Pays E, et al. **Cell** 1985 Oct;42(3):821–9

Transcription of a transposed trypanosome surface antigen gene starts upstream of the transposed segment. De Lange T, et al. **EMBO J** 1985 Dec 1;4(12):3299–306

Two tandemly linked identical genes code for the glycosomal glyceraldehyde-phosphate dehydrogenase in Trypanosoma brucei. Michels PA, et al. **EMBO J** 1986 May;5(5):1049–56

Topogenesis of microbody enzymes: a sequence comparison of the genes for the glycosomal (microbody) and cytosolic phosphoglycerate kinases of Trypanosoma brucei. Osinga KA, et al. **EMBO J** 1985 Dec 30;4(13B):3811–7

Characterization of the gene for the microbody (glycosomal) triosephosphate isomerase of Trypanosoma brucei. Swinkels BW, et al. **EMBO J** 1986 Jun;5(6):1291–8

Pulsed field gradient electrophoresis of DNA digested in agarose allows the sizing of the large duplication unit of a surface antigen gene in trypanosomes. Bernards A, et al. **Gene** 1986;42(3):313–22

Mapping of VSG genes on large expression-site chromosomes of Trypanosoma brucei separated by pulsed-field gradient electrophoresis. Johnson PJ, et al.
Gene 1986;43(3):213–20

Putative regulatory sequences for the transcription of mini-exons in Trypanosoma brucei as revealed by S1 sensitivity. Michiels F, et al. **Gene** 1985;36(3):263–70

Mung bean nuclease cleaves preferentially at the boundaries of variant surface glycoprotein gene transpositions in trypanosome DNA. Brown KH, et al. **J Biol Chem** 1986 Aug 5;261(22):10352–8

Variant surface glycoprotein gene expression site switches in Trypanosoma brucei. Shea C, et al. **J Biol Chem** 1986 May 5;261(13):6056–63

Tubulin mRNAs of Trypanosoma brucei. Imboden M, et al. **J Mol Biol** 1986 Apr 5;188(3):393–402

Preferential activation of telomeric variant surface glycoprotein genes in Trypanosoma brucei. Aline RF Jr, et al. **Mol Biochem Parasitol** 1985 Dec;17(3):311–20

Nucleotide sequence of the 5S ribosomal RNA gene repeat of Trypanosoma brucei. Cordingley JS.
Mol Biochem Parasitol 1985 Dec;17(3):321–30

Conservation of kinetoplastid minicircle characteristics without nucleotide sequence conservation. Jasmer DP, et al. **Mol Biochem Parasitol** 1986 Mar;18(3):257–69

Sequence organization in African trypanosome minicircles is defined by 18 base pair inverted repeats. Jasmer DP, et al. **Mol Biochem Parasitol** 1986 Mar;18(3):321–31

The spliced leader sequence of Trypanosoma brucei has a potential role as a cap donor structure. Lenardo MJ, et al. **Mol Cell Biol** 1985 Sep;5(9):2487–90

Hybrid formation between African trypanosomes during cyclical transmission. Jenni L, et al. **Nature** 1986 Jul 10–16; 322(6075):173–5

The common 5' terminal sequence on trypanosome mRNAs: a target for anti-messenger oligodeoxynucleotides. Cornelissen AW, et al. **Nucleic Acids Res** 1986 Jul 25; 14(14):5605–14

The trypanosome spliced leader small RNA gene family: stage-specific modification of one of several similar dispersed genes. Parsons M, et al. **Nucleic Acids Res** 1986 Feb 25;14(4):1703–18

Evolutionary diversity of eukaryotic small-subunit rRNA genes. Sogin ML, et al. **Proc Natl Acad Sci USA** 1986 Mar; 83(5):1383–7

Evidence for haploidy in metacyclic forms of Trypanosoma brucei. Zampetti-Bosseler F, et al.
Proc Natl Acad Sci USA 1986 Aug;83(16):6063–4

GROWTH & DEVELOPMENT

Trypanosoma brucei: release of variant surface glycoprotein during the parasite life cycle. Shapiro SZ.
Exp Parasitol 1986 Jun;61(3):432–7

Cysteine eliminates the feeder cell requirement for cultivation of Trypanosoma brucei bloodstream forms in vitro. Duszenko M, et al. **J Exp Med** 1985 Oct 1;162(4):1256–63

Trypanosoma brucei: differentiation of in vitro-grown bloodstream trypomastigotes into procyclic forms. Simpson AM, et al. **J Protozool** 1985 Nov;32(4):672–7

Comparison of African trypanosomes of different antigenic phenotypes, subspecies and life cycle stages by two-dimensional gel electrophoresis. Anderson NL, et al. **Mol Biochem Parasitol** 1985 Sep;16(3):299–314

Diverse patterns of expression of the cytochrome c oxidase subunit I gene and unassigned reading frames 4 and 5 during the life cycle of Trypanosoma brucei. Jasmer DP, et al. **Mol Cell Biol** 1985 Nov;5(11):3041–7

IMMUNOLOGY

Defence reactions of Glossina morsitans morsitans against different species of bacteria and Trypanosoma brucei brucei. Kaaya GP, et al. **Acta Trop (Basel)** 1986 Mar; 43(1):31–42

Effect of 3-aminobenzamide on antigenic variation of Trypanosoma brucei. Cornelissen AW, et al.
Biochem Pharmacol 1985 Dec 1;34(23):4151–6

The membrane-anchoring systems of vertebrate acetylcholinesterase and variant surface glycoproteins of African trypanosomes share a common antigenic determinant. Stieger A, et al. **FEBS Lett** 1986 Apr 21; 199(2):182–6

Molecular identity and location of invariant antigens on Trypanosoma brucei rhodesiense defined with monoclonal antibodies reactive with sera from trypanosomiasis patients. Burgess DE, et al. **Infect Immun** 1985 Dec;50(3):893–9

Biochemical and immunological characterization of the variant surface coat glycoprotein shed by African trypanosomes. Diffley P, et al. **Infect Immun** 1986 Jul; 53(1):166–72

Further studies on acquisition of potential infectivity for man in closely related Trypanosoma Trypanozoon brucei clones. Joshua RA. **Int J Zoonoses** 1985 Dec;12(4):291–8

Suppression of immune responses of locusts to trypanosomatid flagellates by concomitant mermithid infection. Ibrahim EA, et al. **J Invertebr Pathol** 1986 Sep; 48(2):252–3

Analysis of antigen switching rates in Trypanosoma brucei. Lamont GS, et al. **Parasitology** 1986 Apr;92 (Pt 2):355–67

Independent expression of the metacyclic and bloodstream variable antigen repertoires of Trypanosoma brucei rhodesiense. Turner CM, et al. **Parasitology** 1986 Feb;92 (Pt 1):67–73

An enzyme-linked immunosorbent assay for the detection of antibodies to Trypanosoma (T.) brucei evansi in camels (Camelus dromedarius) using peroxidase-conjugated protein A. Zweygarth E, et al. **Trop Med Parasitol** 1986 Jun;37(2):105–6

[Antigenic variants detected after cyclic transmission of a clone of Trypanosoma brucei brucei in trypanosensitive and resistant cattle] Duvallet G.
Rev Elev Med Vet Pays Trop 1984;37 Spec No:277–87 (Eng. Abstr.) **(Fre)**

METABOLISM

Biosynthesis and processing of a variant surface glycoprotein from Trypanosoma brucei brucei. Presper KA, et al.
Arch Biochem Biophys 1986 Apr;246(1):460–8

Uptake of alpha-difluoromethylornithine by Trypanosoma brucei brucei. Bitonti AJ, et al. **Biochem Pharmacol** 1986 Jan 15;35(2):351–4

Trypanosoma rhodesiense: mitochondrial proteins of bloodstream and procyclic trypomastigotes. Le Febvre RB, et al. **Exp Parasitol** 1986 Aug;62(1):85–91

Sugar transport in Trypanosoma brucei: a suitable kinetic probe. Game S, et al. **FEBS Lett** 1986 Jan 1;194(1):126–30

Glycosyl-sn-1,2-dimyristylphosphatidylinositol is covalently linked to Trypanosoma brucei variant surface glycoprotein. Ferguson MA, et al. **J Biol Chem** 1985 Nov 25; 260(27):14547–55

Identification of a glycolipid precursor of the Trypanosoma brucei variant surface glycoprotein. Krakow JL, et al.
J Biol Chem 1986 Sep 15;261(26):12147–53

Posttranslational modification and intracellular transport of a trypanosome variant surface glycoprotein. Bangs JD, et al. **J Cell Biol** 1986 Jul;103(1):255–63

Calcium ions initiate the selective depolymerization of the pellicular microtubules in bloodstream forms of Trypanosoma brucei. Dolan MT, et al. **J Cell Sci** 1986 Feb;80:123–40

Effect of putrescine on the respiration of Trypanosoma brucei brucei. Giffin BF, et al. **Mol Biochem Parasitol** 1986 Aug; 20(2):165–71

Hydrogen peroxide metabolism in Trypanosoma brucei. Penketh PG, et al. **Mol Biochem Parasitol** 1986 Aug; 20(2):111–21

A study of the membrane attachment site of the membrane-form variant surface glycoprotein from Trypanosoma brucei brucei using lipid vesicles as a model of the plasma membrane. Schmitz B, et al.
Mol Biochem Parasitol 1986 Aug;20(2):191–7

Inhibitors of the mitochondrial cytochrome b-c1 complex inhibit the cyanide-insensitive respiration of Trypanosoma brucei. Turrens JF, et al. **Mol Biochem Parasitol** 1986 Jun; 19(3):259–64

Trypanosoma brucei rhodesiense: cell surface lectin-binding capacity. Choromański L. **Wiad Parazytol** 1986; 32(2):157–62

PATHOGENICITY

Infectivity of Trypanosoma rhodesiense cultivated at 28 degrees C with various tsetse fly tissues. Cunningham I. **J Protozool** 1986 May;33(2):226–31

[Experimental infection of mice with Trypanosoma brucei brucei: effect of the route of inoculation] Dehoux JP, et al. **Ann Soc Belg Med Trop** 1985;65(4):373–5 **(Fre)**

PHYSIOLOGY

Parasitology. Clandestine sex in trypanosomes [news] Vickerman K. **Nature** 1986 Jul 10–16;322(6075):113–4

The behaviour of trypanosomes within the midguts of wild-caught tsetse from Zimbabwe. Ellis DS, et al.
Trans R Soc Trop Med Hyg 1985;79(6):867–8

Characterization of potentially man-infective Trypanosoma brucei from an endemic area of sleeping sickness in Kenya. Otieno LH, et al. **Trop Med Parasitol** 1985 Sep;36(3):123–6

[Persistence of pleomorphism and the presence of multinuclear forms in experimental infection with T.b. brucei] de Diego JA, et al. **Ann Parasitol Hum Comp** 1985; 60(6):653–8 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

The behaviour of trypanosomes in Liberian tsetse [letter] Ellis DS, et al. **Trans R Soc Trop Med Hyg** 1985;79(6):883–4

TRYPANOSOMA BRUCEI GAMBIENSE

ANALYSIS

Rapid preparative scale purification of myristylated variant surface glycoproteins from African trypanosomes. Clarke MW, et al. **Mol Biochem Parasitol** 1985 Oct;17(1):19–34

CLASSIFICATION

The use of DNA hybridization and numerical taxonomy in determining relationships between Trypanosoma brucei stocks and subspecies. Paindavoine P, et al. **Parasitology** 1986 Feb;92 (Pt 1):31–50

CYTOLOGY

[Analysis of the frequency distribution of cellular volumes of Trypanosoma brucei gambiense developing in the blood and cerebral interstitium of mice] Mulumba MP, et al.
Ann Soc Belg Med Trop 1986;66(2):153–60 (Eng. Abstr.) **(Fre)**

GENETICS

Size-fractionation of the small chromosomes of Trypanozoon and Nannomonas trypanosomes by pulsed field gradient gel electrophoresis. Gibson WC, et al.
Mol Biochem Parasitol 1986 Feb;18(2):127–40

GROWTH & DEVELOPMENT

Comparison of African trypanosomes of different antigenic phenotypes, subspecies and life cycle stages by two-dimensional gel electrophoresis. Anderson NL, et al.
Mol Biochem Parasitol 1985 Sep;16(3):299–314

IMMUNOLOGY

Antigenic variability of African trypanosomes. Pays E.
Ann Inst Pasteur Immunol 1985 Sep-Oct;136D(2):163–6

Restriction of the alternative pathway of human complement by intact Trypanosoma brucei subsp. gambiense. Devine DV, et al. **Infect Immun** 1986 Apr;52(1):223–9

Gene conversion in trypanosome antigenic variation. Pays E. **Prog Nucleic Acid Res Mol Biol** 1985;32:1–26 (125 ref.)

ISOLATION & PURIFICATION

[Trypanosoma brucei gambiense, present in mammalian brain tissue, would be protected from homologous circulating antibodies] Mulumba MP. **Ann Soc Belg Med Trop** 1985 Sep;65(3):311–2 **(Fre)**

PATHOGENICITY

Multiple alpha-keto sciduria in Microtus montanus chronically infected with Trypanosoma brucei gambiense. Hall JE, et al. **Comp Biochem Physiol [B]** 1985;82(1):73–8

TRYPANOSOMA CONGOLENSE

Parasite kinetics and immune responses in efferent prefemoral

lymph draining skin reactions induced by tsetse-transmitted Trypanosoma congolense. Akol GW, et al. **Vet Parasitol** 1986 Feb;19(3-4):281-93

CLASSIFICATION

A preliminary comparison of Trypanosoma simiae and T. congolense by isoenzyme electrophoresis. Gashumba JK, et al. **Acta Trop (Basel)** 1986 Mar;43(1):15-9

Two enzymically distinct stocks of Trypanosoma congolense. Gashumba JK. **Res Vet Sci** 1986 May;40(3):411-2

DRUG EFFECTS

[Demonstration of resistance to trypanocides among the species of Trypanosoma congolense recently isolated in Burkina] Authie E, et al. **Rev Elev Med Vet Pays Trop** 1984;37 Spec No:219-35 (Eng. Abstr.) (Fre)

GENETICS

Trypanosoma (Nannomonas) congolense: identification of two karyotypic groups. Majiwa PA, et al. **EMBO J** 1985 Dec 1;4(12):3307-13

Minichromosomal variable surface glycoprotein genes and molecular karyotypes of Trypanosoma (Nannomonas) congolense. Majiwa PA, et al. **Gene** 1986;41(2-3):183-92

Size-fractionation of the small chromosomes of Trypanozoon and Nannomonas trypanosomes by pulsed field gradient gel electrophoresis. Gibson WC, et al. **Mol Biochem Parasitol** 1986 Feb;18(2):127-40

GROWTH & DEVELOPMENT

Association between intracellular rickettsial-like infections of midgut cells and susceptibility to trypanosome infection in Glossina spp. Maudlin I, et al. **Z Parasitenkd** 1985; 71(5):683-7

IMMUNOLOGY

Mechanisms of self-cure from Trypanosoma congolense infection in mice. Pinder M, et al. **J Immunol** 1986 Feb 15;136(4):1427-34

Interference between different serodemes of Trypanosoma congolense in the establishment of superinfections in goats following transmission by tsetse. Dwinger RH, et al. **Parasite Immunol** 1986 Jul;8(4):293-305

Analysis of trypanosome variable antigen types in cultures of metacyclic and mammalian forms of Trypanosoma congolense. Luckins AG, et al. **Parasitology** 1986 Aug;93 (Pt 1):99-109

[Sensitivity of the card agglutination test (Testryp CAAT) in porcine infection with Trypanosoma (Nannomonas) congolense in the People' Republic of the Congo] Noireau F, et al. **Ann Soc Belg Med Trop** 1986;66(1):63-8 (Eng. Abstr.) (Fre)

ISOLATION & PURIFICATION

Improved method for isolating Trypanosoma congolense from mice [letter] Vandeweerd V. **Trans R Soc Trop Med Hyg** 1986;80(1):167

PATHOGENICITY

[Probable number of Trypanosoma (Nannomonas) congolense transmitted by Glossina morsitans] Mawuena K, et al. **Rev Elev Med Vet Pays Trop** 1984;37 Spec No:186-91 (Eng. Abstr.) (Fre)

PHYSIOLOGY

The behaviour of trypanosomes within the midguts of wild-caught tsetse from Zimbabwe. Ellis DS, et al. **Trans R Soc Trop Med Hyg** 1985;79(6):867-8

TRYPANOSOMA CRUZI

Mechanism of resistance to lysis by the alternative complement pathway in Trypanosoma cruzi trypomastigotes: effect of specific monoclonal antibody. Schenkman S, et al. **J Immunol** 1986 Sep 1;137(5):1623-8

Effects of human colony-stimulating factor on the uptake and destruction of a pathogenic parasite (Trypanosoma cruzi) by human neutrophils. Villalta F, et al. **J Immunol** 1986 Sep 1;137(5):1703-7

ANALYSIS

Comparative compositions of cell surface glycoconjugates isolated from Trypanosoma cruzi epimastigotes. Ferguson MA, et al. **Biochim Biophys Acta** 1985 Sep 27;842(1):39-44

Identification and isolation of Trypanosoma cruzi trypomastigote cell surface protein with properties expected of a fibronectin receptor. Ouaissi MA, et al. **Mol Biochem Parasitol** 1986 Jun;19(3):201-11

CLASSIFICATION

Differentiation of Trypanosoma cruzi, T. cruzi marinkellei, T. dionisii and T. vespertilionis by monoclonal antibodies. Petry K, et al. **Acta Trop (Basel)** 1986 Mar;43(1):5-13

Cytofluorometry as a method for the differentiation of trypanosomes. Mühlpfordt H, et al. **Trop Med Parasitol** 1985 Sep;36(3):135-9

CYTOLOGY

[Polymorphism of Trypanosoma cruzi in the blood of a vertebrate host] Kallinikova VD, et al. **Parazitologiia** 1985 Nov-Dec;19(6):424-33 (Eng. Abstr.) (Rus)

DRUG EFFECTS

In vitro and in vivo effects of itraconazole against Trypanosoma cruzi. McCabe RE, et al. **Am J Trop Med Hyg** 1986 Mar;35(2):280-4

Novobiocin antagonism of amastigotes of Trypanosoma cruzi growing in cell-free medium. Pate PG, et al. **Antimicrob Agents Chemother** 1986 Mar;29(3):426-31

Evaluation of the toxicity of Rh(III) and Pt(II) complexes against Trypanosoma cruzi culture forms. Ruiz-Pérez LM, et al. **Arzneimittelforschung** 1986;36(1):13-6

Primaquine can mediate hydroxyl radical generation by Trypanosoma cruzi extracts. Augusto O, et al. **Biochem Biophys Res Commun** 1986 Mar 28;135(3):1029-34

Photosensitization by the trypanocidal agent crystal violet. Type I versus type II reactions. Reszka K, et al. **Chem Biol Interact** 1986 May;58(2):161-72

t-Butyl-4-hydroxyanisole, a novel respiratory chain inhibitor. Effects on Trypanosoma cruzi epimastigotes. Aldunate J, et al. **FEBS Lett** 1986 Jan 20;195(1-2):295-7

[Inhibition of growth and macromolecular biosynthesis in Trypanosoma cruzi by natural products. Effects of miconidine and tingenone] Goijman SG, et al. **Medicina (B Aires)** 1984;44(4):361-70 (Eng. Abstr.) (Spa)

ENZYMOLOGY

Isoenzymic studies and epidemiological data of Trypanosoma cruzi from Arequipa (Peru), Pacific side. Breniere SF, et al. **Ann Soc Belg Med Trop** 1985;65 Suppl 1:63-6

Trypanosoma cruzi: analysis of isozymes and antigenic expression. Miles MA. **Ann Soc Belg Med Trop** 1985;65 Suppl 1:67-9

Isozymic variability of Trypanosoma cruzi: biological and epidemiological significance. Tibayrenc M, et al. **Ann Soc Belg Med Trop** 1985;65 Suppl 1:59-61

Isoenzyme characterization of Trypanosoma cruzi from congenital cases of Chagas' disease. Bittencourt AL, et al. **Ann Trop Med Parasitol** 1985 Aug;79(4):393-6

Effects of ethidium bromide on the mitochondrial adenosine triphosphatase from Trypanosoma cruzi. Cataldi de Flombaum MA, et al. **Biochem Int** 1986 Apr;12(4):513-9

Inactivation of mitochondrial adenosine triphosphatase from Trypanosoma cruzi by oxygen radicals. Cataldi de Flombaum MA, et al. **Biochem Int** 1986 Jun;12(6):785-93

Trypanosoma cruzi adenylate cyclase activity. Purification and characterization. Torruella M, et al. **Biochem J** 1986 Feb 15;234(1):145-50

A biochemical comparison of glucosephosphate isomerase isozymes from Trypanosoma cruzi. Widmer G, et al. **Biochim Biophys Acta** 1986 Sep 5;873(1):119-26

Further enzyme polymorphism in Trypanosoma cruzi from Colombia. Bogliolo AR, et al. **Braz J Med Biol Res** 1985; 18(4):427-33

Alteration of the cell surface acid phosphatase concomitant with the morphological transformation in Trypanosoma cruzi. Nagakura K, et al. **Comp Biochem Physiol [B]** 1985; 81(4):815-7

The regulation of phosphofructokinase in epimastigote Trypanosoma cruzi. Taylor M, et al. **FEBS Lett** 1986 Jun 9;201(2):262-6

A neuraminidase from Trypanosoma cruzi removes sialic acid from the surface of mammalian myocardial and endothelial cells. Libby P, et al. **J Clin Invest** 1986 Jan;77(1):127-35

Fumarate reductase and other mitochondrial activities in Trypanosoma cruzi. Boveris A, et al. **Mol Biochem Parasitol** 1986 May;19(2):163-9

Multiple DNA-dependent RNA polymerases in Trypanosoma cruzi. Hodo HG, et al. **Mol Biochem Parasitol** 1986 Apr;19(1):77-81

Heterogeneous distribution of neuraminidase activity in strains and clones of Trypanosoma cruzi and its possible association with parasite myotropism. Pereira ME, et al. **Mol Biochem Parasitol** 1986 Aug;20(2):183-9

Calmodulin and Ca2+-dependent cyclic AMP phosphodiesterase activity in Trypanosoma cruzi. Téllez-Iñón MT, et al. **Mol Biochem Parasitol** 1985 Nov; 17(2):143-53

[A DNA topoisomerase from trypanosomes able to catenate, decatenate and unknot DNA without ATP] Douc-Rasy S, et al. **C R Acad Sci [III]** 1986;302(8):283-6 (Eng. Abstr.) (Fre)

GENETICS

The karyotype and ploidy of Trypanosoma cruzi. Gibson WC, et al. **EMBO J** 1986 Jun;5(6):1299-305

Cloning of a major surface-antigen gene of Trypanosoma cruzi and identification of a nonapeptide repeat. Peterson DS, et al. **Nature** 1986 Aug 7-13;322(6079):566-8

Natural populations of Trypanosoma cruzi, the agent of Chagas disease, have a complex multiclonal structure. Tibayrenc M, et al. **Proc Natl Acad Sci USA** 1986 Jan; 83(1):115-9

On the microdistribution and sexuality of Trypanosoma cruzi [letter] Tibayrenic M. **Trans R Soc Trop Med Hyg** 1985; 79(6):882-3

GROWTH & DEVELOPMENT

Experimental studies on Trypanosoma cruzi. Hudson L. **Ann Soc Belg Med Trop** 1985;65 Suppl 1:71-7

Lipid composition of three morphological stages of Trypanosoma cruzi. Kaneda Y, et al. **Comp Biochem Physiol [B]** 1986;83(3):533-6

Trypanosoma cruzi: changes in lipid composition during aging in culture. Bronia DH, et al. **Exp Parasitol** 1986 Apr; 61(2):151-9

Trypanosoma cruzi: early parasite proliferation and host resistance in inbred strains of mice. Trischmann TM. **Exp Parasitol** 1986 Oct;62(2):194-201

Excretion of Trypanosoma cruzi by various stages of Rhodnius prolixus. Chowdhury MN, et al. **Int J Parasitol** 1986 Aug;16(4):353-9

Activity of recombinant tumor necrosis factor on Toxoplasma gondii and Trypanosoma cruzi. De Titto EH, et al. **J Immunol** 1986 Aug 15;137(4):1342-5

Trypanosoma cruzi: characterization and isolation of a 57/51,000 m.w. surface glycoprotein (GP57/51) expressed by epimastigotes and bloodstream trypomastigotes. Scharfstein J, et al. **J Immunol** 1986 Aug 15;137(4):1336-41

Effect of fasting on Trypanosoma cruzi infection in Triatoma dimidiata (Hemiptera: Reduviidae). Vargas LG, et al. **J Med Entomol** 1985 Nov 27;22(6):683

Trypanosoma cruzi morphogenesis: preliminary purification of an active fraction from hemolymph and intestinal homogenate of Triatoma infestans. Isola EL, et al. **J Parasitol** 1986 Jun;72(3):467-9

Relevance of hemin for in vitro differentiation of Trypanosoma cruzi. Arévalo J, et al. **J Protozool** 1985 Aug; 32(3):553-5

In vitro differentiation of Trypanosoma cruzi under chemically defined conditions. Contreras VT, et al. **Mol Biochem Parasitol** 1985 Sep;16(3):315-27

[Trials for optimization of the culture conditions of human pathogenic trypanosomas and leishmania] Perlewitz J, et al. **Angew Parasitol** 1985 Nov;26(4):185-91 (Eng. Abstr.) (Ger)

[Different effects of nifurtimox and benznidazole on the biosynthesis of DNA, RNA and proteins in Trypanosoma cruzi] Goijman SG, et al. **Medicina (B Aires)** 1984; 44(3):261-70 (Eng. Abstr.) (Spa)

IMMUNOLOGY

Antibody response to experimental Trypanosoma rangeli infection and its implications for immunodiagnosis of South American trypanosomiasis. Guhl F, et al. **Acta Trop (Basel)** 1985 Dec;42(4):311-8

Protective immunity and pathology induced by inoculation of mice with different subcellular fractions of Trypanosoma cruzi. Ruiz AM, et al. **Acta Trop (Basel)** 1985 Dec; 42(4):299-309

Specific and sensitive immunological diagnosis of Chagas' disease by competitive antibody enzyme immunoassay using a Trypanosoma cruzi-specific monoclonal antibody. Lemesre JL, et al. **Am J Trop Med Hyg** 1986 Jan; 35(1):86-93

Cellular immune responses of chagasic patients to antigens derived from different Trypanosoma cruzi strains and clones. Morato MJ, et al. **Am J Trop Med Hyg** 1986 May; 35(3):505-11

Chagas' disease: serodiagnosis with purified Gp25 antigen. Scharfstein J, et al. **Am J Trop Med Hyg** 1985 Nov; 34(6):1153-60

Comparative studies on surface antigenicity of Trypanosoma cruzi trypomastigotes from infected mouse blood and infected L-cell cultures. Kanbara H, et al. **Biken J** 1985 Dec;28(3-4):71-7

Cellular cytotoxicity of Trypanosoma cruzi mediated by different classes of antibody and by lectins. Madeira ED, et al. **Braz J Med Biol Res** 1985;18(2):207-15

In vitro effect of 18S immune RNA on macrophage resistance to Trypanosoma cruzi. Bertolini MC, et al. **Cell Mol Biol** 1986;32(2):167-71

Comparative studies on epimastigote and metacyclic stages of Trypanosoma cruzi. I. Agglutination activity. Chao D, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1985 Nov;18(4):293-9

Binding of C3 fragments to the Trypanosoma cruzi surface in the absence of specific antibodies and without activation of the complement cascade. Krettli AU, et al. **Clin Exp Immunol** 1985 Nov;62(2):270-7

Trypanosoma cruzi: protection in mice immunized with 8-methoxypsoralen-inactivated trypomastigotes. Andrews NW, et al. **Exp Parasitol** 1985 Dec;60(3):255-62

Trypanosoma cruzi: isolate dependence in the induction of lytic antibodies in the mouse and rabbit. Muller LA, et al. **Exp Parasitol** 1986 Jun;61(3):284-93

Trypanosoma cruzi: recognition of trypomastigote surface antigens by lytic antisera from mice resistant to acute infection. Yoshida N. **Exp Parasitol** 1986 Apr;61(2):184-91

Production of monoclonal antibodies to metacyclic trypomastigotes of Trypanosoma cruzi. Mañas I, et al. **Hybridoma** 1986 Summer;5(2):147-54

Analysis of Trypanosoma cruzi antigens bound by specific antibodies and by antibodies to related trypanosomatids. Araujo FG. **Infect Immun** 1986 Jul;53(1):179-85

Characterization of the T-cell proliferative response to a purified glycopeptide antigen (GP-25) present on the

Trypanosoma cruzi cell surface. dos Reis GA, et al. **Infect Immun** 1986 Jan;51(1):369–72

Variation in antigenic determinants specific to the infective stage of Trypanosoma cruzi. Wrightsman RA, et al. **Infect Immun** 1986 Aug;53(2):235–9

Histopathological and parasitological evidence of immunization of mice against challenge with 17 wild isolates of Trypanosoma cruzi. Basombrío MA, et al. **Int J Parasitol** 1986 Aug;16(4):375–80

Comparative studies on epimastigote and metacyclic stages of Trypanosoma cruzi. II. Selective lysis by rodent sera. Chao D, et al. **Int J Zoonoses** 1985 Dec;12(4):323–30

Longitudinal study of immune response in human Chagas' disease. Mosca W, et al. **J Clin Microbiol** 1985 Sep; 22(3):438–41

Trypanosoma cruzi: expression of antigens on the membrane surface of parasitized cells. Araujo FG. **J Immunol** 1985 Dec;135(6):4149–54

Molecular mimicry of a carbohydrate epitope on a major surface glycoprotein of Trypanosoma cruzi by using anti-idiotypic antibodies. Sacks DL, et al. **J Immunol** 1985 Dec;135(6):4155–9

Poly(A)-containing RNA from the spleens of mice with Chagas' disease triggers in vitro macrophage resistance to Trypanosoma cruzi. Bertolini MC, et al. **J Protozool** 1986 Feb;33(1):81–4

Cross-reactive polysaccharides from Trypanosoma cruzi and fungi (especially Dactylium dendroides). Schnaidman BB, et al. **J Protozool** 1986 May;33(2):186–91

EVI antibodies in patients with Chagas' disease: relationship with anti-Trypanosoma cruzi immunoglobulins and effects of specific treatment. Brener Z, et al. **Mem Inst Oswaldo Cruz** 1983 Oct-Dec;78(4):437–42

A Mr 90 000 surface polypeptide of Trypanosoma cruzi as a candidate for a Chagas' disease diagnostic antigen. Dragon EA, et al. **Mol Biochem Parasitol** 1985 Sep; 16(3):213–29

Identification and analysis of epimastigote surface and metabolic proteins in Trypanosoma cruzi. McDaniel JP, et al. **Mol Biochem Parasitol** 1986 May;19(2):183–94

Stage-specific surface antigens of metacyclic trypomastigotes of Trypanosoma cruzi identified by monoclonal antibodies. Teixeira MM, et al. **Mol Biochem Parasitol** 1986 Mar; 18(3):271–82

Evasion of alternative complement pathway by Trypanosoma cruzi results from inefficient binding of factor B. Joiner K, et al. **Proc Natl Acad Sci USA** 1986 Sep;83(17):6593–7

Trypanosoma cruzi: cell charge distribution. Langenbach T. **Rev Inst Med Trop Sao Paulo** 1985 Nov-Dec;27(6):312–7

Cryostat sections with tissue amastigotes of Trypanosoma cruzi as a substrate for Chagas' disease serology. Cossio PM, et al. **Trans R Soc Trop Med Hyg** 1985;79(6):805–7

Immunization of marmosets with Trypanosoma cruzi cell surface glycoprotein (GP90). Scott MT, et al. **Trans R Soc Trop Med Hyg** 1985;79(4):451–4

Immune suppression to Trypanosoma cruzi antigens is associated with infection but not immunisation. Britten V, et al. **Trop Med Parasitol** 1986 Jun;37(2):97–100

Species-specific monoclonal antibodies for a membrane antigen(s) in all developmental forms of Trypanosoma cruzi. Tachibana H, et al. **Z Parasitenkd** 1986;72(4):433–41

[Immunological aspects of infection of 6 inbred strains of mice by 3 different strains of Trypanosoma cruzi] Andrade V, et al. **Mem Inst Oswaldo Cruz** 1985 Apr-Jun; 80(2):203–11 (Eng. Abstr.) **(Por)**

[Immune response to Trypanosoma cruzi. An approach to the pathogenesis of Chagas' disease] Braun M, et al. **Acta Physiol Pharmacol Latinoam** 1985;35(1):1–47 (Eng. Abstr.) **(Spa)**

[A case of chagas infection caused by an atypical strain of Trypanosoma cruzi in a newborn infant] de Storni P, et al. **Medicina (B Aires)** 1984;44(3):287–91 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Trypanosoma cruzi and Trypanosoma rangeli in Saimiri sciureus from Bolivia and Saguinus mistax from Brazil. D'Alessandro A, et al. **Am J Trop Med Hyg** 1986 Mar; 35(2):285–9

An improved procedure for the purification of Trypanosoma cruzi (Chagas, 1909) metacyclics from the insect vector. Stiles B, et al. **J Protozool** 1986 Feb;33(1):132–4

Chagas' disease in the Amazon basin: V. Periurban palms as habitats of Rhodnius robustus and Rhodnius pictipes—triatomine vectors of Chagas' disease. Miles MA, et al. **Mem Inst Oswaldo Cruz** 1983 Oct-Dec;78(4):391–8

Trypanosoma cruzi: isolation and characterization of two clones derived from neonatal mice. Chao D, et al. **Proc Natl Sci Counc Repub China [B]** 1985 Jul;9(3):187–96

[Host-parasite relations in Chagas disease: mechanisms of infection and disease] Brener Z. **Ann Soc Belg Med Trop** 1985;65 Suppl 1:9–13 (Eng. Abstr.) **(Por)**

[Immunocytochemical method for the identification of Trypanosoma cruzi amastigotes in routine histological sections] Barbosa AJ. **Rev Inst Med Trop Sao Paulo** 1985 Nov-Dec;27(6):293–7 (Eng. Abstr.) **(Por)**

[Comparative study of the direct parasitological examination and the dissection of Triatominae for the detection of Trypanosoma cruzi] La Fuente C, et al. **Ann Soc Belg Med Trop** 1985;65 Suppl 1:101–2 **(Spa)**

METABOLISM

Effects of ketoconazole on sterol biosynthesis by Trypanosoma cruzi epimastigotes. Beach DH, et al. **Biochem Biophys Res Commun** 1986 May 14;136(3):851–6

Heme synthesis in Trypanosoma cruzi: influence of the strain and culture medium. Salzman TA, et al. **Comp Biochem Physiol [B]** 1986;83(1):57–61

Respiratory control in mitochondria from Trypanosoma cruzi. Affranchino JL, et al. **Mol Biochem Parasitol** 1985 Sep;16(3):289–98

End products and enzyme levels of aerobic glucose fermentation in trypanosomatids. Cazzulo JJ, et al. **Mol Biochem Parasitol** 1985 Sep;16(3):329–43

Trypanosoma cruzi: polypeptide markers of epimastigotes and trypomastigotes. Rangel-Aldao R, et al. **Mol Biochem Parasitol** 1986 Jul;20(1):25–32

[Effect of proteolytic enzymes on the penetration of Trypanosoma cruzi in peritoneal macrophages of mice] Osuna A, et al. **Ann Parasitol Hum Comp** 1985;60(4):383–8 (Eng. Abstr.) **(Fre)**

PATHOGENICITY

Patterns of resistance of inbred mice to Trypanosoma cruzi are determined by parasite strain. Andrade V, et al. **Braz J Med Biol Res** 1985;18(4):499–506

Production and characterization of clones of the Brazil strain of Trypanosoma cruzi. Murfin DJ, et al. **J Parasitol** 1985 Oct;71(5):525–9

Receptors and recognition mechanisms of Trypanosoma cruzi. Snary D. **Trans R Soc Trop Med Hyg** 1985; 79(5):587–90 (30 ref.)

[Behavior of the Y and Peruvian strains of Trypanosoma cruzi in mice, after passage through various media] Magalhães JB, et al. **Mem Inst Oswaldo Cruz** 1985 Jan-Mar; 80(1):41–50 (Eng. Abstr.) **(Por)**

PHYSIOLOGY

Trypanosoma cruzi: modulation of parasite-cell interaction by plasma fibronectin. Ouaissi MA, et al. **Eur J Immunol** 1985 Nov;15(11):1096–101

The fate of plasma membrane macrophage enzyme markers during endocytosis of Trypanosoma cruzi. Meirelles MN, et al. **J Submicrosc Cytol** 1986 Jan;18(1):99–107

Surface electrical charge of bloodstream trypomastigotes of Trypanosoma cruzi strains. de Sousa MA. **Mem Inst Oswaldo Cruz** 1983 Oct-Dec;78(4):497–500

Increased host cell–Trypanosoma cruzi interaction following phospholipase D treatment of the parasite surface. Connelly MC, et al. **Mol Biochem Parasitol** 1985 Nov;17(2):191–202

Interaction of Trypanosoma cruzi with macrophages: effect of previous incubation of the parasites or the host cells with lectins. de Arsújo-Jorge TC, et al. **Z Parasitenkd** 1986;72(2):153–71

Trypanosoma cruzi: inhibition of host cell uptake of infective bloodstream forms by alpha-2-macroglobulin. de Araujo-Jorge TC, et al. **Z Parasitenkd** 1986;72(3):323–9

ULTRASTRUCTURE

Trypanosoma cruzi and American Leishmania spp: immunocytochemical localization of a laminin-like protein in the plasma membrane. Bretaña A, et al. **Exp Parasitol** 1986 Apr;61(2):168–75

Trypanosoma cruzi: ultrastructural changes produced by an anti-trypanosomal factor from Pseudomonas fluorescens. Mercado TI, et al. **Exp Parasitol** 1986 Feb;61(1):65–75

Fine structure and cytochemistry of the mitotic plaques of Trypanosoma cruzi and Crithidia fasciculata. Solari AJ, et al. **J Submicrosc Cytol** 1985 Oct;17(4):583–91

TRYPANOSOMA GAMBIENSE see **TRYPANOSOMA BRUCEI GAMBIENSE**

TRYPANOSOMA LEWISI

Trypanosoma lewisi in liquid culture: findings and comparisons with different types of media. Culture medium for Trypanosoma lewisi. Manganaro M, et al. **Boll Ist Sieroter Milan** 1986;65(1):32–9

GROWTH & DEVELOPMENT

Trypanosoma lewisi: stage-specific surface antigens and exoantigens recognized by monoclonal antibodies. Williams CL, et al. **Exp Parasitol** 1986 Apr;61(2):252–60

IMMUNOLOGY

A surface glycoprotein of Trypanosoma lewisi binds immunoglobulin G from the serum of uninfected rats. Balber AE, et al. **Infect Immun** 1986 Aug;53(2):420–6

Flow cytometric analysis of immunoglobulin and complement component C3 on the surface of Trypanosoma lewisi. Sturtevant JE, et al. **J Protozool** 1986 May; 33(2):197–203

TRYPANOSOMATIDAE

ANALYSIS

Characterization of protein-linked oligosaccharides in trypanosomatid flagellates. Mendelzon DH, et al. **Mol Biochem Parasitol** 1986 Mar;18(3):355–67

Characterization of dolichol monophosphate- and dolichol diphosphate-linked saccharides in trypanosomatid flagellates. Previato JO, et al. **Mol Biochem Parasitol** 1986 Mar;18(3):343–53

[Heterogeneity of tubulins of parasitic protozoa] Cappuccinelli P, et al. **Ann Ist Super Sanita** 1986; 22(1):163–8 (Eng. Abstr.) **(Ita)**

[Structure and function of kinetoplast DNA of Trypanosomatidae] Kuz'min EV, et al. **Biokhimiia** 1986 Jun;51(6):883–95 (62 ref.) (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

A comparative study of the purine- and pyrimidine-metabolising enzymes of a range of trypanosomatids. Hassan HF, et al. **Comp Biochem Physiol [B]** 1986;84(2):219–23

GENETICS

Conservation of a 29-base-pair sequence within maxicircle ARS fragments from six species of trypanosomes. Kim R, et al. **Gene** 1985;40(2–3):291–9

Kinetoplast DNA in trypanosomid flagellates. Simpson L. **Int Rev Cytol** 1986;99:119–79 (135 ref.)

ISOLATION & PURIFICATION

Flagellate infections of Brazilian sand flies (Diptera: Psychodidae): isolation in vitro and biochemical identification of Endotrypanum and Leishmania. Arias JR, et al. **Am J Trop Med Hyg** 1985 Nov;34(6):1098–108

METABOLISM

Characteristics of ethidium uptake by the trypanosomatid flagellates Crithidia fasciculata and Leptomonas seymouri. Coolbear KP, et al. **Antimicrob Agents Chemother** 1986 Feb; 29(2):258–62

TRYPANOSOMIASIS

The trypanosomiases [editorial] Ellis CJ. **Br Med J [Clin Res]** 1985 Nov 30;291(6508):1524

COMPLICATIONS

Trypanosoma brucei: infection in murine diabetes. Amole BO, et al. **Exp Parasitol** 1985 Dec;60(3):342–7

Immunosuppression in experimental trypanosomiasis: effects of Trypanosoma equiperdum on the pathogenesis of influenza virus infection in deer mice (Peromyscus maniculatus). Oyejide A, et al. **Vet Immunol Immunopathol** 1985 Nov;10(2–3):253–63

CONGENITAL

Congenital trypanosomiasis in a child born in London. Lingam S, et al. **Dev Med Child Neurol** 1985 Oct; 27(5):670–4

DRUG THERAPY

Trypanosoma rhodesiense: variable effects of cyclophosphamide on antibody production, survival, and parasitemia in infected mice. Jones JF. **Exp Parasitol** 1986 Apr;61(2):261–9

Trypanosoma brucei and T. vivax: salicylhydroxamic acid and glycerol treatment of acute and chronically infected rats. van der Meer C, et al. **Exp Parasitol** 1986 Aug; 62(1):98–113

Effect of some antibiotics and chemotherapeutics on Trypanosoma lewisi infection in albino rats. el-Ridi AM, et al. **J Egypt Soc Parasitol** 1985 Jun;15(1):119–23

Novel bis[1,6-dihydro-6,6-dimethyl-1,3,5-triazine-2,4-diamines] as antitrypanosomal agents. Turner WR, et al. **J Med Chem** 1985 Nov;28(11):1728–40

ETIOLOGY

In vitro production of metacyclic forms of Trypanosoma musculi and their infectivity in CBA mice. Roger M, et al. **J Protozool** 1986 Feb;33(1):87–9

IMMUNOLOGY

Trypanosoma musculi infection in the CBA/N mouse. Vigeant P, et al. **Can J Microbiol** 1986 Feb;32(2):181–3

In vitro assay for curative activity in blood of mice infected with Trypanosoma musculi. Wechsler DS, et al. **Infect Immun** 1986 Aug;53(2):240–4

Immunization of rats against Trypanosoma lewisi infection. el-Ridi AM, et al. **J Egypt Soc Parasitol** 1985 Dec; 15(2):455–61

The role of the macrophage in immunity to Trypanosoma musculi. Ferrante A. **Parasite Immunol** 1986 Mar; 8(2):117–27

Participation of IgG2b antibodies in the initial control of Trypanosoma musculi infection. Olivier M, et al. **Parasite Immunol** 1986 Jan;8(1):27–9

Trypanosoma musculi persisting in the kidneys of mice are responsible for maintaining the host immunity. Oliver M, et al. **Trans R Soc Trop Med Hyg** 1985;79(4):516

PARASITOLOGY

Antigenic variation in Trypanosoma evansi: variable antigen

type (VAT) composition of first relapse populations in mice. Jones TW, et al. **Trop Med Parasitol** 1985 Sep; 36(3):127–30

[Trypanosoma rangeli Tejera, 1920. VIII. Response to reinfections in 2 mammals] Añez N, et al. **Mem Inst Oswaldo Cruz** 1985 Apr–Jun;80(2):149–53 (Eng. Abstr.) (Spa)

PATHOLOGY

Classics in cytology: note on fine needle aspiration of the lymphatic glands in sleeping sickness [letter] Cohen MB, et al. **Acta Cytol (Baltimore)** 1986 Jul–Aug;30(4):451–2

PREVENTION & CONTROL

Trypanosoma cruzi: protection in mice immunized with 8-methoxypsoralen-inactivated trypomastigotes. Andrews NW, et al. **Exp Parasitol** 1985 Dec;60(3):255–62

[Protective effect of trehalose dimycolate in infestation of mice by Trypanosoma musculi] Vincendeau P, et al. **C R Acad Sci [III]** 1986;302(14):529–32 (Eng. Abstr.) (Fre)

TRANSMISSION

Rhodnius neivai: a new experimental vector of Trypanosoma rangeli. D'Alessandro A, et al. **Am J Trop Med Hyg** 1986 May;35(3):512–4

VETERINARY

Haematological changes due to Trypanosoma batrachi and T. aligaricus infection in two fresh water teleosts. Gupta N, et al. **Angew Parasitol** 1985 Nov;26(4):193–6

Ultrastructure of the fibrous matrix surrounding cells of Trypanosoma melophagium in the hind-gut of the sheep ked, Melophagus ovinus. Heywood P, et al. **Cytobios** 1985; 44(177–178):183–8

Effect of concurrent infections of Lernaeocera Branchialis (Copepoda) and Trypanosoma murmanensis (Protozoa) on Atlantic cod, Gadus morhua. Khan RA, et al. **J Wildl Dis** 1986 Apr;22(2):201–8

The use of a single complement fixation test technique in bovine brucellosis, Johne's disease, dourine, equine piroplasmosis and Q fever serology. Herr S, et al. **Onderstepoort J Vet Res** 1985 Dec;52(4):279–82

Trypanosoma evansi infection in buffaloes in North-East Thailand. II. Abortions. Löhr KF, et al. **Trop Anim Health Prod** 1986 May;18(2):103–8

Trypanosomiasis in Indonesia. A review of research, 1900–1983. Dieleman EF. **Vet Q** 1986 Jul;8(3):250–6 (59 ref.)

Studies on the sequence of variable antigen types in ponies infected with a clone of Trypanosoma evansi. Diesing L, et al. **Z Parasitenkd** 1986;72(2):145–51

TRYPANOSOMIASIS, AFRICAN

[Report on 17 years of studies of human African trypanosomiasis caused by T. gambiense in children 0–6 years of age] Triolo N, et al. **Med Trop (Mars)** 1985 Jul–Sep;45(3):251–7 (Eng. Abstr.) (Fre)

[Tsetse flies and trypanosomiasis] **Rev Elev Med Vet Pays Trop** 1984;37 Spec No:1–314 (Fre)

COMPLICATIONS

The erythematous-maculo-papular eruption in acute trypanosomiasis: report of a case. Gelfand M. **Cent Afr J Med** 1985 Sep;31(9):182–3

CONGENITAL

[Congenital trypanosomiasis and leishmaniasis] De Raadt P. **Arch Fr Pediatr** 1985 Dec;42 Suppl 2:925–7 (Eng. Abstr.) (Fre)

DIAGNOSIS

Specificity of the Testryp CATT card agglutination test in a non-sleeping-sickness area of Africa. Bafort JM, et al. **S Afr Med J** 1986 Apr 26;69(9):541–2

[Acute African trypanosomiasis imported into Denmark] Arnfje M, et al. **Ugeskr Laeger** 1985 Sep 9;147(37):2915–6 (Eng. Abstr.) (Dan)

[African trypanosomiasis of icterohemorrhagic form] Bourgeade A, et al. **Bull Soc Pathol Exot Filiales** 1985;78(5 Pt 2):908–13 (Eng. Abstr.) (Fre)

[African trypanosomiasis. Report on a patient] Bakken JS, et al. **Tidsskr Nor Laegeforen** 1985 Aug 20;105(23):1501–2 (Eng. Abstr.) (Nor)

[Mott cells, a suspicious sign of African trypanosomiasis (letter)] Rozman M, et al. **Sangre (Barc)** 1986;31(3):367–9 (Spa)

DRUG THERAPY

Protection of the sleeping sickness trypanosome from chemotherapy by different parts of the brain. Raseroka BH, et al. **East Afr Med J** 1985 Jul;62(7):452–8

Trypanosoma brucei and T. vivax: salicylhydroxamic acid and glycerol treatment of acute and chronically infected rats. van der Meer C, et al. **Exp Parasitol** 1986 Aug; 62(1):98–113

The comparative effects of cortisol and voltaren on anaemia and temperature changes in experimental Trypanosoma brucei infection in rats. Shoyinka SV, et al. **J Comp Pathol** 1986 May;96(3):277–84

Hyperendemic West African trypanosomiasis in a rural hospital setting. Weir AB, et al. **J Trop Med Hyg** 1985 Oct;88(5):307–11

Suramin/metronidazole combination for African sleeping sickness [letter] Raseroka BH, et al. **Lancet** 1985 Oct 5; 2(8458):784–5

Treatment of gambiense sleeping sickness in the Sudan with oral DFMO (DL-alpha-difluoromethylornithine), an inhibitor of ornithine decarboxylase; first field trial. Van Nieuwenhove S, et al. **Trans R Soc Trop Med Hyg** 1985; 79(5):692–8

FAMILIAL & GENETIC

Effect of strains of mice and challenge dose on the infectivity and virulence of Trypanosoma vivax. Joshua RA. **Vet Parasitol** 1986 Jan;19(1–2):39–45

IMMUNOLOGY

Effect of concurrent infections with Trypanosoma congolense in rabbits on the development of immunity after trypanocidal drug treatments. Luckins AG. **Ann Trop Med Parasitol** 1986 Feb;80(1):131–3

A two year follow-up of persons with a positive fluorescent antibody test for Rhodesian sleeping sickness in the Luangwa Valley, Zambia. Wyatt GB, et al. **Ann Trop Med Parasitol** 1986 Feb;80(1):127–9

Necessity of antibody response in the treatment of African trypanosomiasis with alpha-difluoromethylornithine. Bitonti AJ, et al. **Biochem Pharmacol** 1986 Jan 15; 35(2):331–4

Antigens of African trypanosomes. Turner MJ. **Curr Top Microbiol Immunol** 1985;120:141–58 (94 ref.)

Antibody responses in resistant and susceptible inbred mice infected with Trypanosoma congolense. Mitchell LA, et al. **Immunology** 1986 Feb;57(2):297–303

Interleukin-1 and interleukin-2 production in resistant and susceptible inbred mice infected with Trypanosoma congolense. Mitchell LA, et al. **Immunology** 1986 Feb; 57(2):291–6

Antibodies to calmodulin during experimental Trypanosoma brucei rhodesiense infections in rabbits. Ruben L, et al. **Immunology** 1985 Oct;56(2):227–33

Suppressor factor of T-cell activation and decreased interleukin 2 activity in experimental African trypanosomiasis. Alcina A, et al. **Infect Immun** 1985 Nov; 50(2):382–7

Restriction of the alternative pathway of human complement by intact Trypanosoma brucei subsp. gambiense. Devine DV, et al. **Infect Immun** 1986 Apr;52(1):223–9

Influence of source and quantity of protein on the development of immunity and resistance to African trypanosomiasis. Norton JD, et al. **Infect Immun** 1986 Feb; 51(2):455–60

Further studies on acquisition of potential infectivity for man in closely related Trypanosoma Trypanozoon brucei clones. Joshua RA. **Int J Zoonoses** 1985 Dec;12(4):291–8

Mechanisms of self-cure from Trypanosoma congolense infection in mice. Pinder M, et al. **J Immunol** 1986 Feb 15;136(4):1427–34

In vitro induction of suppressor cells by plasma of rats with Trypanosoma brucei rhodesiense infection. Hayes MM, et al. **J Parasitol** 1986 Feb;72(1):148–54

Immune responses of mice infected with Trypanosoma vivax are depressed but show an inverse correlation with the blood parasitaemia. Barrance DJ, et al. **Parasite Immunol** 1986 May;8(3):287–91

The alternative pathway of complement in sheep during the course of infection with Trypanosoma congolense and after Berenil treatment. Malu MN, et al. **Parasite Immunol** 1986 May;8(3):217–29

Immunopathological aspects of trypanosomal meningoencephalitis in vervet monkeys after relapse following Berenil treatment. Poltera AA, et al. **Trans R Soc Trop Med Hyg** 1985;79(4):527–31

West African dogs as a model for research on trypanotolerance. Hörchner F, et al. **Trop Med Parasitol** 1985 Dec;36(4):257–8

Susceptibility and immune responses of Zebu and taurine cattle of West Africa to infection with Trypanosoma congolense transmitted by Glossina morsitans centralis. Akol GW, et al. **Vet Immunol Immunopathol** 1986 Apr; 11(4):361–73

Suppression of immune response to sheep red blood cells in rats experimentally infected with Trypanosoma brucei gambiense. Ekejindu GO, et al. **Vet Immunol Immunopathol** 1985 Dec;10(4):333–9

Autoantibodies to intermediate filaments in experimental infections with Trypanosoma brucei gambiense. Anthoons JA, et al. **Z Parasitenkd** 1986;72(4):443–52

[Survival time of various consanguineous strains of mice infected with metacyclic forms of Trypanosoma brucei] Demey F, et al. **Ann Soc Belg Med Trop** 1985;65(4):323–7 (Eng. Abstr.) (Fre)

MORTALITY

Influence of heat stress on experimental Trypanosoma brucei brucei infection in mice. Govaerts M, et al. **Ann Soc Belg Med Trop** 1986;66(2):161–6

OCCURRENCE

African sleeping sickness presenting in an American emergency department. Ginsberg R, et al. **Ann Emerg Med** 1986 Jan;15(1):86–8

Risk factors associated with the acquisition of sleeping sickness in north-east Zambia; a case-control study. Wyatt GB, et al. **Ann Trop Med Parasitol** 1985 Aug;79(4):385–92

The prevalence of human trypanosomiasis in Uganda, 1970 to 1983. Okiria R. **East Afr Med J** 1985 Nov;62(11):813–6

PARASITOLOGY

Characterization of cyclically transmitted Trypanosoma (T.) brucei isolates from man. Richner D, et al. **Acta Trop (Basel)** 1986 Mar;43(1):21–9

Antigenic variation during Trypanosoma vivax infections of different host species. Barry JD. **Parasitology** 1986 Feb;92 (Pt 1):51–65

Analysis of antigen switching rates in Trypanosoma brucei. Lamont GS, et al. **Parasitology** 1986 Apr;92 (Pt 2):355–67

Morphological changes of Trypanosoma vivax in mice. Dirie MF, et al. **Vet Parasitol** 1986 Jan;19(1–2):23–7

[Persistence of pleomorphism and the presence of multinuclear forms in experimental infection with T.b. brucei] de Diego JA, et al. **Ann Parasitol Hum Comp** 1985; 60(6):653–8 (Eng. Abstr.) (Fre)

[Experimental infection of mice with Trypanosoma brucei brucei: effect of the route of inoculation] Dehoux JP, et al. **Ann Soc Belg Med Trop** 1985;65(4):373–5 (Fre)

PATHOLOGY

Clinical and pathological aspects of human African trypanosomiasis (T. b. gambiense) with particular reference to reactive arsenical encephalopathy. Haller L, et al. **Am J Trop Med Hyg** 1986 Jan;35(1):94–9

Human African trypanosomiasis (T.b. Gambiense): a study of 16 fatal cases of sleeping sickness with some observations on acute reactive arsenical encephalopathy. Adams JH, et al. **Neuropathol Appl Neurobiol** 1986 Jan–Feb;12(1):81–94

Relapse infection after chemotherapy in goats experimentally infected with Trypanosoma brucei: pathological changes in central nervous system. Moulton JE. **Vet Pathol** 1986 Jan;23(1):21–8

[Trypanosoma brucei gambiense: a light and electron microscopy study of brain lesions in chronically infected rats] Van Marck E, et al. **Verh K Acad Geneeskd Belg** 1985; 47(2):129–72 (Eng. Abstr.) (Dut)

PREVENTION & CONTROL

[Duration of the preventive action of diminazene aceturate on experimental infection of NMRI mice with metacyclic forms of Trypanosoma brucei brucei] Dehoux JP, et al. **Ann Soc Belg Med Trop** 1986;66(2):191–2 (Fre)

[Creation and activities of an international working group on Trypanosoma evansi infections] Touratier L. **Rev Elev Med Vet Pays Trop** 1984;37 Spec No:313–4 (Fre)

TRANSMISSION

The public health significance of trypanosomiasis (sleeping sickness) in Nigeria. Nwanyanwu OC, et al. **Int J Zoonoses** 1985 Mar;12(1):28–34

[Socio-entomologic survey in human trypanosomiasis focus of Yamba (Peoples Republic of Congo)] Gouteux JP, et al. **Med Trop (Mars)** 1985 Jul–Sep;45(3):259–63 (Eng. Abstr.) (Fre)

[Control of vectors by trapping and its impact on sleeping sickness in a zone of high density of Glossina fuscipes quanzensis (Lefini River, People's Republic of the Congo)] Gouteux JP, et al. **Trop Med Parasitol** 1986 Jun;37(2):101–4 (Eng. Abstr.) (Fre)

URINE

Multiple alpha-keto aciduria in Microtus montanus chronically infected with Trypanosoma brucei gambiense. Hall JE, et al. **Comp Biochem Physiol [B]** 1985;82(1):73–8

VETERINARY

Trypanosoma brucei infection in domestic pigs in a sleeping sickness epidemic area of Uganda. Short communication. Okuna NM, et al. **Acta Trop (Basel)** 1986 Jun;43(2):183–4

Survival and reproductive performance of female Glossina morsitans morsitans when maintained on livestock infected with Salivarian trypanosomes. Moloo SK, et al. **Ann Trop Med Parasitol** 1985 Apr;79(2):223–4

Immune effector mechanisms involved in the control of parasitaemia in Trypanosoma brucei-infected wildebeest (Connochaetes taurinus). Rurangirwa FR, et al. **Immunology** 1986 Jun;58(2):231–7

Interference between different serodemes of Trypanosoma congolense in the establishment of superinfections in goats following transmission by tsetse. Dwinger RH, et al. **Parasite Immunol** 1986 Jul;8(4):293–305

Further studies of cyclical transmission and antigenic variation of the ILDar 1 serodeme of Trypanosoma vivax. Gardiner PR, et al. **Parasitology** 1986 Jun;92 (Pt 3):581–93

Comparison of the effects of African trypanosomiasis in four breeds of dairy goats. McGuire TC, et al. **Res Vet Sci** 1985 Sep;39(2):252–3

Susceptibility of different breeds of goats in Kenya to

experimental infection with Trypanosoma congolense. Whitelaw DD, et al. Trop Anim Health Prod 1985 Aug; 17(3):155–65

An enzyme-linked immunosorbent assay for the detection of antibodies to Trypanosoma (T.) brucei evansi in camels (Camelus dromedarius) using peroxidase-conjugated protein A. Zweygarth E, et al. Trop Med Parasitol 1986 Jun;37(2):105–6

Oral transmission of Trypanosoma evansi infection in dogs and mice. Raina AK, et al. Vet Parasitol 1985 Jun; 18(1):67–9

Trypanotolerance in East African Orma Boran cattle. Njogu AR, et al. Vet Rec 1985 Dec 14;117(24):632–6

[Sensitivity of the card agglutination test (Testryp CAAT) in porcine infection with Trypanosoma (Nannomonas) congolense in the People's Republic of the Congo] Noireau F, et al. Ann Soc Belg Med Trop 1986;66(1):63–8 (Eng. Abstr.) (Fre)

[A case of trypanosomiasis (T. brucei) in an Asian tiger (Panthera tigris) in a zoo in Togo] Handlos M, et al. Rev Elev Med Vet Pays Trop 1984;37 Spec No:258–62 (Eng. Abstr.) (Fre)

[Experimental nagana infections in camels (Camelus dromedarius)] Härter GH, et al. Berl Munch Tierarztl Wochenschr 1985 Oct 1;98(10):346–50 (Eng. Abstr.) (Ger)

TRYPANOSOMIASIS, BOVINE

DRUG THERAPY

Multiple drug resistance in Trypanosoma vivax in Kenya [letter] Njogu AR, et al. Vet Rec 1986 Feb 1;118(5):133–4

Multiple drug resistance in Trypanosoma vivax in the Tana River District of Kenya. Röttcher D, et al. Vet Rec 1985 Nov 23;117(21):557–8

ECONOMICS

A simple epidemiological method for animal trypanosomiasis to provide relevant data for effective financial decision-making. Wilson AJ, et al. Vet Parasitol 1986 Apr; 20(4):261–74

IMMUNOLOGY

Antibody levels during bovine hemoparasitic diseases: trypanosomiasis, anaplasmosis, and babesiosis. James MA. Acta Cient Venez 1983;34(3–4):185–90 (51 ref.)

Induction of protective immunity in cattle by tsetse-transmitted cloned isolates of Trypanosoma congolense. Akol GW, et al. Ann Trop Med Parasitol 1985 Dec;79(6):617–27

Immune effector mechanisms involved in the control of parasitaemia in Trypanosoma brucei-infected wildebeest (Connochaetes taurinus). Rurangirwa FR, et al. Immunology 1986 Jun;58(2):231–7

Natural resistance to African trypanosomiasis. Roelants GE. Parasite Immunol 1986 Jan;8(1):1–10 (41 ref.)

Trypanotolerance in East African Orma Boran cattle. Njogu AR, et al. Vet Rec 1985 Dec 14;117(24):632–6

[Antigenic variants detected after cyclic transmission of a clone of Trypanosoma brucei brucei in trypanosensitive and resistant cattle] Duvallet G. Rev Elev Med Vet Pays Trop 1984;37 Spec No:277–87 (Eng. Abstr.) (Fre)

[Allogenic response in West African cattle. Modification in trypanosomiasis] Fumoux F, et al. Rev Elev Med Vet Pays Trop 1984;37 Spec No:248–57 (Eng. Abstr.) (Fre)

[In vitro stimulation of peripheral lymphocytes of West African cattle by lectins: implications in trypanosomiasis] Fumoux F, et al. Rev Elev Med Vet Pays Trop 1984;37 Spec No:236–47 (Eng. Abstr.) (Fre)

PARASITOLOGY

Isoenzyme analysis of stocks of trypanosomes isolated from cattle in Indonesia. Boid R, et al. Res Vet Sci 1985 Nov; 39(3):388–9

Parasite kinetics and immune responses in efferent prefemoral lymph draining skin reactions induced by tsetse-transmitted Trypanosoma congolense. Akol GW, et al. Vet Parasitol 1986 Feb;19(3–4):281–93

PREVENTION & CONTROL

Chemoprophylaxis: Boran cattle can be productive under high tsetse challenge. Trail JC, et al. Rev Elev Med Vet Pays Trop 1984;37 Spec No:270–5

Isometamidium chloride prophylaxis against Trypanosoma congolense challenge and the development of immune responses in Boran cattle. Whitelaw DD, et al. Vet Rec 1986 Jun 28;118(26):722–6

[Impact of biconic impregnated traps on the populations of Glossina palpalis gambiensis and Glossina tachinoides. Results of a large-scale control campaign against animal trypanosomiasis in the North Ivory Coast] Kupper W, et al. Rev Elev Med Vet Pays Trop 1984;37 Spec No:176–85 (Eng. Abstr.) (Fre)

TRANSMISSION

Maintaining zebu Maure cattle in a tsetse infested area of Mali. II. Epidemiological considerations. Goodwin JT, et al. Trop Anim Health Prod 1986 Feb;18(1):1–12

Transmission of a Trypanosoma sp. to cattle by the tick Hyalomma anatolicum anatolicum. Morzaria SP, et al. Vet Parasitol 1986 Jan;19(1–2):13–21

[Glossina morsitans submorsitans Newstead 1910 in the Sudano-Guinean savannah zone in Mali. IV. Role in the transmission of trypanosomes in a N'Dama cattle-raising ranch in Madina Diassa] Diallo A. Rev Elev Med Vet Pays Trop 1984;37 Spec No:130–42 (Eng. Abstr.) (Fre)

[Probable number of Trypanosoma (Nannomonas) congolense transmitted by Glossina morsitans] Mawuena K, et al. Rev Elev Med Vet Pays Trop 1984;37 Spec No:186–91 (Eng. Abstr.) (Fre)

TRYPANOSOMIASIS, CARDIOVASCULAR see CHAGAS CARDIOMYOPATHY

TRYPANOSOMIASIS, SOUTH AMERICAN

Chagas' disease in inbred III/J rabbits. Teixeira AR. Am J Pathol 1986 Aug;124(2):363–5

International Colloquium. Chagas' disease. 26 March–1 April 1984, Santa Cruz de la Sierra, Bolivia. Ann Soc Belg Med Trop 1985;65 Suppl 1:1–231 (Eng, Mul)

Chagas' disease. Abramovits-Ackerman W, et al. Int J Dermatol 1986 Jun;25(5):320–1

[Chagas disease patients and social legislation (editorial)] Marins N. Arq Bras Cardiol 1985 Jun;44(6):369–71 (Por)

[Chagas disease and the technology problem] Pinto Dias JC. Bol Of Sanit Panam 1985 Sep;99(3):244–57 (Eng. Abstr.) (Spa)

COMPLICATIONS

[Prevalence of cholelithiasis in necropsies of patients with chronic Chagas' disease in the mining triangle—correlation with megacsophagus, megacolon and cardiac insufficiency] Rocha A, et al. Arq Gastroenterol 1985 Jan–Mar;22(1):3–6 (Eng. Abstr.) (Por)

[Peripheral facial paralysis, polyneuritis and chronic Chagas' disease] Fortes-Rêgo J. Arq Neuropsiquiatr 1985 Dec; 43(4):418–21 (Eng. Abstr.) (Por)

[Involvement of the peripheral sensory axons in chronic human Chagas disease (letter)] Filipini D, et al. Medicina (B Aires) 1984;44(4):442–4 (Spa)

CONGENITAL

Isoenzyme characterization of Trypanosoma cruzi from congenital cases of Chagas' disease. Bittencourt AL, et al. Ann Trop Med Parasitol 1985 Aug;79(4):393–6

Incidence of congenital Chagas' disease in Bahia, Brazil. Bittencourt AL, et al. J Trop Pediatr 1985 Oct;31(5):242–8

[Congenital trypanosomiasis and leishmaniasis] De Raadt P. Arch Fr Pediatr 1985 Dec;42 Suppl 2:925–7 (Eng. Abstr.) (Fre)

[Congenital Chagas disease as a public health problem] Bittencourt AL. Ann Soc Belg Med Trop 1985;65 Suppl 1:103–6 (Por)

[Ocular involvement in congenital Chagas' disease] Atias A, et al. Rev Chil Pediatr 1985 May–Jun;56(3):137–41 (Eng. Abstr.) (Spa)

[Congenital Toxoplasma gondii and Trypanosoma cruzi infections] Thiermann E, et al. Rev Chil Pediatr 1985 May–Jun;56(3):143–50 (Eng. Abstr.) (Spa)

DIAGNOSIS

Antibody response to experimental Trypanosoma rangeli infection and its implications for immunodiagnosis of South American trypanosomiasis. Guhl F, et al. Acta Trop (Basel) 1985 Dec;42(4):311–8

Specific and sensitive immunological diagnosis of Chagas' disease by competitive antibody enzyme immunoassay using a Trypanosoma cruzi-specific monoclonal antibody. Lemesre JL, et al. Am J Trop Med Hyg 1986 Jan; 35(1):86–93

Chagas' disease: serodiagnosis with purified Gp25 antigen. Scharfstein J, et al. Am J Trop Med Hyg 1985 Nov; 34(6):1153–60

The interest of immunoprecipitation tests in the immunological diagnosis of Chagas' disease. Carlier Y, et al. Ann Soc Belg Med Trop 1985;65 Suppl 1:85–94

Chagas serology and its problems. Carrasco RL, et al. Ann Soc Belg Med Trop 1985;65 Suppl 1:79–84

Visceral leishmaniasis and Chagas' disease: not the same [letter] Doorly PF. Can Med Assoc J 1986 Mar 1;134(5):476

Chagas' disease in Latin American immigrants. Kirchhoff LV, et al. JAMA 1985 Dec 6;254(21):3058–60

A Mr 90 000 surface polypeptide of Trypanosoma cruzi as a candidate for a Chagas' disease diagnostic antigen. Dragon EA, et al. Mol Biochem Parasitol 1985 Sep; 16(3):213–29

Cryostat sections with tissue amastigotes of Trypanosoma cruzi as a substrate for Chagas' disease serology. Cossio PM, et al. Trans R Soc Trop Med Hyg 1985;79(6):805–7

Comparisons of immunological tests for serodiagnosis of Chagas disease in Bolivian patients. Breniere SF, et al. Trop Geogr Med 1985 Sep;37(3):231–8

[Positive serology in voluntary blood donors in an endemic area of Chagas' disease] da Cunha GB, et al. Arq Bras Cardiol 1985 Nov;45(5):335–8 (Eng. Abstr.) (Por)

[Use of microhematocrit tubes for the rapid diagnosis of Chagas disease and malaria] La Fuente C, et al. Ann Soc Belg Med Trop 1985;65 Suppl 1:95–9 (Eng. Abstr.) (Spa)

[A case of chagas infection caused by an atypical strain of Trypanosoma cruzi in a newborn infant] de Storni P, et al. Medicina (B Aires) 1984;44(3):287–91 (Eng. Abstr.) (Spa)

[Acute trypanosomiasis. Report of a case and review] Pezzarossi HE, et al. Rev Invest Clin 1986 Apr–Jun; 38(2):177–9 (Eng. Abstr.) (Spa)

DRUG THERAPY

Evaluation of chemotherapy with benznidazole and nifurtimox in mice infected with Trypanosoma cruzi strains of different types. Andrade SG, et al. Bull WHO 1985; 63(4):721–6

The effect of allopurinol ribonucleoside and formycin B on Trypanosoma cruzi infections in mice. Croft SL, et al. Trans R Soc Trop Med Hyg 1985;79(4):517–8

[Allopurinol in the treatment of chronic Chagas' disease] Meirovich CI, et al. Arq Bras Cardiol 1985 Sep;45(3):217–23 (Eng. Abstr.) (Spa)

[Treatment of Chagas' disease] Apt W. Rev Med Chil 1985 Feb;113(2):162–6 (Eng. Abstr.) (Spa)

HISTORY

Chagas' disease in pre-Columbian South America. Rothhammer F, et al. Am J Phys Anthropol 1985 Dec; 68(4):495–8

[Chagas' disease in Brazil. Evidence of its occurrence and distribution to 1909] da Silva LJ. Rev Inst Med Trop Sao Paulo 1985 Jul–Aug;27(4):219–23 (Eng. Abstr.) (Por)

IMMUNOLOGY

Protective immunity and pathology induced by inoculation of mice with different subcellular fractions of Trypanosoma cruzi. Ruiz AM, et al. Acta Trop (Basel) 1985 Dec; 42(4):299–309

Cellular immune responses of chagasic patients to antigens derived from different Trypanosoma cruzi strains and clones. Morato MJ, et al. Am J Trop Med Hyg 1986 May; 35(3):505–11

Selective suppression of tumour-immune cytolytic T lymphocytes in mice with chronic Trypanosoma cruzi infections. Plata F, et al. Ann Inst Pasteur Immunol 1986 Jul–Aug;137D(1):47–61

Immunological response of Swiss mice to infection with three different strains of Trypanosoma cruzi. Andrade SG, et al. Ann Trop Med Parasitol 1985 Aug;79(4):397–407

Humoral immune responses to metacyclic stages of Trypanosoma cruzi in experimentally infected rats and mice. Chao D, et al. Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih 1985 May;18(2):104–14

Human and mouse sera recognize the same polypeptide associated with immunological resistance to Trypanosoma cruzi infection. Martins MS, et al. Clin Exp Immunol 1985 Aug;61(2):343–50

Pathoimmune polymyositis induced in C3H/HeJ mice by Trypanosoma cruzi infection. von Kreuter BF, et al. Clin Exp Rheumatol 1986 Jan–Mar;4(1):83–9

Trypanosoma cruzi: isolate dependence in the induction of lytic antibodies in the mouse and rabbit. Muller LA, et al. Exp Parasitol 1986 Jun;61(3):284–93

Trypanosoma cruzi: early parasite proliferation and host resistance in inbred strains of mice. Trischmann TM. Exp Parasitol 1986 Oct;62(2):194–201

Trypanosoma cruzi: recognition of trypomastigote surface antigens by lytic antisera from mice resistant to acute infection. Yoshida N. Exp Parasitol 1986 Apr;61(2):184–91

Analysis of Trypanosoma cruzi antigens bound by specific antibodies and by antibodies to related trypanosomatids. Araujo FG. Infect Immun 1986 Jul;53(1):179–85

Interleukin 2 enhances specific and nonspecific immune responses in experimental Chagas' disease. Choromanski L, et al. Infect Immun 1985 Nov;50(2):354–7

Prevalence of antibodies to 72-kilodalton glycoprotein (GP72) in patients with Chagas' disease and further evidence of zymodeme-associated expression of GP72 carbohydrate epitopes. Schechter M, et al. Infect Immun 1986 Sep;53(3):547–52

Histopathological and parasitological evidence of immunization of mice against challenge with 17 wild isolates of Trypanosoma cruzi. Basombrío MA, et al. Int J Parasitol 1986 Aug;16(4):375–80

Comparative studies on epimastigote and metacyclic stages of Trypanosoma cruzi. II. Selective lysis by rodent sera. Chao D, et al. Int J Zoonoses 1985 Dec;12(4):323–30

Longitudinal study of immune response in human Chagas' disease. Mosca W, et al. J Clin Microbiol 1985 Sep; 22(3):438–41

Persistence of polyclonal B cell activation with undetectable parasitemia in late stages of experimentsl Chagas' disease. d'Imperio Lima MR, et al. J Immunol 1986 Jul 1; 137(1):353–6

Role of inflammatory cells in Chagas' disease. III. Kinetics of human eosinophil activation upon interaction with

parasites (Trypanosoma cruzi). Kierszenbaum F, et al. **J Immunol** 1986 Jan;136(2):662–6

Autoimmunity in Chagas' disease. Kierszenbaum F. **J Parasitol** 1986 Apr;72(2):201–11 (65 ref.)

Poly(A)–containing RNA from the spleens of mice with Chagas' disease triggers in vitro macrophage resistance to Trypanosoma cruzi. Bertolini MC, et al. **J Protozool** 1986 Feb;33(1):81–4

EVI antibodies in patients with Chagas' disease: relationship with anti–Trypanosoma cruzi immunoglobulins and effects of specific treatment. Brener Z, et al. **Mem Inst Oswaldo Cruz** 1983 Oct–Dec;78(4):437–42

Immunopathological aspects of experimental Trypanosoma cruzi infection: correlation of immune complexes and other serological features with muscle lesions during the infection. Silva JC, et al. **Parasite Immunol** 1985 Sep; 7(5):457–66

Further evaluation of lectin affinity purified glycoprotein (GP90) in the enzyme linked immunosorbent assay (ELISA) for diagnosis of Trypanosoma cruzi infection. Schechter M, et al. **Trans R Soc Trop Med Hyg** 1985; 79(5):637–40

In vivo transfer of delayed hypersensitivity to Trypanosoma cruzi antigens with polysomal immune RNA. Bertolini MC, et al. **Trop Med Parasitol** 1986 Jun;37(2):107–9

The protective effect of the 4–5S immune RNA against Trypanosoma cruzi infection in mice. Bertolini MC, et al. **Trop Med Parasitol** 1985 Sep;36(3):131–4

Immune suppression to Trypanosoma cruzi antigens is associated with infection but not immunisation. Britten V, et al. **Trop Med Parasitol** 1986 Jun;37(2):97–100

[Immunological aspects of infection of 6 inbred strains of mice by 3 different strains of Trypanosoma cruzi] Andrade V, et al. **Mem Inst Oswaldo Cruz** 1985 Apr–Jun; 80(2):203–11 (Eng. Abstr.) (Por)

[Immune response to Trypanosoma cruzi. An approach to the pathogenesis of Chagas' disease] Braun M, et al. **Acta Physiol Pharmacol Latinoam** 1985;35(1):1–47 (Eng. Abstr.) (Spa)

METABOLISM

Bioenergetic studies in residents at high altitude (2,850 m) with asymptomatic Chagas' disease. Carlier Y, et al. **Ann Soc Belg Med Trop** 1985;65 Suppl 1:51–7

OCCURRENCE

The indication and utility of the ambidirectional design in the study of chronic Chagas' disease. de Muynck A. **Ann Soc Belg Med Trop** 1985;65 Suppl 1:213–24

Serologic surveillance of Chagas' disease. Hoff R, et al. **Ann Soc Belg Med Trop** 1985;65 Suppl 1:187–96

Decrease in the prevalence of infection by Trypanosoma cruzi (Chagas' disease) in young men of Argentina. Segura EL, et al. **Bull Pan Am Health Organ** 1985;19(3):252–64

Epidemiological role of humans, dogs and cats in the transmission of Trypanosoma cruzi in a central area of Argentina. Wisnivesky–Colli C, et al. **Rev Inst Med Trop Sao Paulo** 1985 Nov–Dec;27(6):346–52

[Chagas infection among the donors of the blood bank of the Santa Casa de Misericórdia, Pelotas, Rio Grande do Sul, Brazil] Baruffa G. **Ann Soc Belg Med Trop** 1985;65 Suppl 1:113–8 (Eng. Abstr.) (Por)

[Serological and entomological survey of T. cruzi infection in the southern region of Rio Grande do Sul, Brazil] Baruffa G, et al. **Ann Soc Belg Med Trop** 1985;65 Suppl 1:171–9 (Eng. Abstr.) (Por)

[Socio–cultural and economic aspects of the spread and control of human Chagas disease] Dias JC. **Ann Soc Belg Med Trop** 1985;65 Suppl 1:119–26 (Eng. Abstr.) (Por)

[Morbidity in Chagas' disease. IV. Longitudinal study of 10 years in Pains and Iguatama, Minas Gerais, Brazil] Coura JR, et al. **Mem Inst Oswaldo Cruz** 1985 Jan–Mar; 80(1):73–80 (Eng. Abstr.) (Por)

[Morbidity in Chagas' disease. III. Longitudinal study of 6 years, in Virgem da Lapa, MG, Brazil] Pereira JB, et al. **Mem Inst Oswaldo Cruz** 1985 Jan–Mar;80(1):63–71 (Eng. Abstr.) (Por)

[Socioeconomic and cultural aspects of Chagas disease] Ribera BG. **Ann Soc Belg Med Trop** 1985;65 Suppl 1:1–8 (Spa)

PARASITOLOGY

Production and characterization of clones of the Brazil strain of Trypanosoma cruzi. Murfin DJ, et al. **J Parasitol** 1985 Oct;71(5):525–9

Experimental Chagas' disease in mice infected with one LD50 of parasite. Repka D, et al. **Rev Bras Biol** 1985 Aug; 45(3):309–16

[Host–parasite relations in Chagas disease: mechanisms of infection and disease] Brener Z. **Ann Soc Belg Med Trop** 1985;65 Suppl 1:9–13 (Eng. Abstr.) (Por)

[Behavior of the Y and Peruvian strains of Trypanosoma cruzi in mice, after passage through various media] Magalhães JB, et al. **Mem Inst Oswaldo Cruz** 1985 Jan–Mar; 80(1):41–50 (Eng. Abstr.) (Por)

[Immunocytochemical method for the identification of Trypanosoma cruzi amastigotes in routine histological sections] Barbosa AJ. **Rev Inst Med Trop Sao Paulo** 1985 Nov–Dec;27(6):293–7 (Eng. Abstr.) (Por)

PATHOLOGY

Morphological and morphometric study of the alterations on young mouse parotid gland with subpatent Chagas' disease. Martini AS, et al. **Angew Parasitol** 1986 May; 27(2):65–72

Neuropathy associated with experimental Chagas' disease. Said G, et al. **Ann Neurol** 1985 Dec;18(6):676–83

[The choroid plexus in experimental Chagas infection in mice] de Queiroz AC, et al. **Acta Med Port** 1985 Jun; 6(6):181–2 (Eng. Abstr.) (Por)

[The pathology of Chagas disease in man] Andrade ZA. **Ann Soc Belg Med Trop** 1985;65 Suppl 1:15–30 (Eng. Abstr.) (Por)

PHYSIOPATHOLOGY

Chagas' disease: a model of denervation in the study of digestive tract motility. Meneghelli UG. **Braz J Med Biol Res** 1985;18(3):255–64

Plasma gastrin and gastric acid responses to insulin hypoglycemia in Chagas' disease. Troncon LE, et al. **Braz J Med Biol Res** 1985;18(3):273–8

Effect of CCK–OP and intraduodenal administration of essential amino acids on intraluminal pressures of sigmoid and rectum in patients with Chagasic megacolon. Macedo JF, et al. **Dig Dis Sci** 1986 Feb;31(2):145–50

Bioenergetic and cardiovascular responses to exercise in residents at 2.850 m, with asymptomatic Chagas' disease. Ribaute E, et al. **Trop Geogr Med** 1986 Jun;38(2):150–7

[Chagas disease in the elderly] de Carvalho Filho ET, et al. **Arq Bras Cardiol** 1985 Aug;45(2):103–7 (Eng. Abstr.) (Por)

PREVENTION & CONTROL

Population dynamics and control of Triatoma infestans. Schofield CJ. **Ann Soc Belg Med Trop** 1985;65 Suppl 1:149–64

Immunization of marmosets with Trypanosoma cruzi cell surface glycoprotein (GP90). Scott MT, et al. **Trans R Soc Trop Med Hyg** 1985;79(4):451–4

[The program for the control of Chagas disease in Brazil] da Silveira AC. **Ann Soc Belg Med Trop** 1985;65 Suppl 1:137–48 (Por)

[Participation of the community in the control of Chagas disease] Dias JC, et al. **Ann Soc Belg Med Trop** 1985;65 Suppl 1:127–35 (Por)

[Prophylaxis of Chagas disease: a pioneer] Faria R. **Rev Paul Med** 1985 Mar–Apr;103(2):102–3 (Por)

[Evaluation of a program for the control of triatomas by insecticides in San Juan de los Morros, Venezuela] Acquatella H, et al. **Ann Soc Belg Med Trop** 1985;65 Suppl 1:197–211 (Spa)

[Fenitrothion (OMS–43) in the control of Triatoma infestans, the vector of Chagas disease in Argentina] Cichero JA, et al. **Ann Soc Belg Med Trop** 1985;65 Suppl 1:181–5 (Spa)

[Popular education—a fragile point in the campaign against Chagas' disease] Esteso SC. **Rev Fac Cien Med Univ Nac Cordoba** 1984;42(2):14–7 (Eng. Abstr.) (Spa)

TRANSMISSION

Chagas' disease in the Amazon basin: V. Periurban palms as habitats of Rhodnius robustus and Rhodnius pictipes—triatomine vectors of Chagas' disease. Miles MA, et al. **Mem Inst Oswaldo Cruz** 1983 Oct–Dec;78(4):391–8

The geography of health in South–East Mexico: a research study and agenda. Prothero RM, et al. **Soc Sci Med** 1986; 22(12):1321–7

[Prospective study of the transmission of Trypanosoma cruzi by blood in Bolivia] Zuna H, et al. **Ann Soc Belg Med Trop** 1985;65 Suppl 1:107–13 (Eng. Abstr.) (Spa)

VETERINARY

Trypanosoma cruzi from wild raccoons in Oklahoma. John DT, et al. **Am J Vet Res** 1986 May;47(5):1056–9

Trypanosomiasis and laryngeal paralysis in a dog. Barr S, et al. **J Am Vet Med Assoc** 1986 Jun 1;188(11):1307–9

Fatal cardiomyopathy caused by Trypanosoma cruzi in an aardwolf. Fletcher KC, et al. **J Am Vet Med Assoc** 1985 Dec 1;187(11):1263–4

Trypanosoma cruzi in the opossum Didelphis marsupialis: an indirect fluorescent antibody test for the diagnosis and follow–up of natural and experimental infections. Jansen AM, et al. **Trans R Soc Trop Med Hyg** 1985;79(4):474–7

TRYPSIN

Tetanus toxin receptors on nerve cells contain a trypsin–sensitive component. Yavin E, et al. **Eur J Biochem** 1986 Jan 15;154(2):403–7

Preclinical increase in activity of muscle microsomal trypsin–like protease in murine muscular dystrophy, C57BL/10–mdx. Sawada H, et al. **FEBS Lett** 1986 Apr 21;199(2):193–7

Characterization and isolation of a trypsin–like serine protease from a long–term culture cytolytic T cell line and its expression by functionally distinct T cells. Kramer MD, et al. **J Immunol** 1986 Jun 15;136(12):4644–51

Scanning electron microscopic studies of bullfrog sympathetic neurons exposed by enzymatic removal of connective tissue elements and satellite cells. Baluk P. **J Neurocytol** 1986 Feb;15(1):85–95

Automated peak fitting procedure for processing data from an area detector and its application to the neutron structure of trypsin. Kossiakoff AA, et al. **Methods Enzymol** 1985; 114:530–51

A gene family in Drosophila melanogaster coding for trypsin–like enzymes. Davis CA, et al. **Nucleic Acids Res** 1985 Sep 25;13(18):6605–19

[Effect of different extracts of Rheum palmatum on trypsin activity] Li SZ. **Chung Yao Tung Pao** 1985 Apr;10(4):41–3, 46 (Chi)

[Chemotactic factor to polymorphonuclear leukocytes in the crystalline lens. 4. Chemotactic activity in crystalline lens digested with trypsin] Tomoda T, et al. **Nippon Ganka Gakkai Zasshi** 1985 Jun;89(6):780–5 (Eng. Abstr.) (Jpn)

[Conformational aspects of beta–trypsin interactions with substrates and pancreatic trypsin inhibitor. II. Structure of tetrahedral adducts and acylenzyme] Aliev RE, et al. **Mol Biol (Mosk)** 1986 Mar–Apr;20(2):346–56 (Eng. Abstr.) (Rus)

ADMINISTRATION & DOSAGE

Retrograde trypsin instillation into the renal pelvis for the dissolution of obstructive blood clots. Grabe M, et al. **Eur Urol** 1986;12(1):69–70

[Trypsin, immobilized on a textile cellulose matrix, in the treatment of suppurative wounds of soft tissue] Gostishchev VK, et al. **Vestn Khir** 1985 Jun;134(6):68–71 (Eng. Abstr.) (Rus)

ANALYSIS

Diagnosis of cystic fibrosis, by assay of immuno–reactive trypsin in a newborn infant with jejuno–ileal atresias. Raffles AK, et al. **Acta Paediatr Scand** 1986 May; 75(3):502–3

Trypsinlike enzymes from dormant and germinated spores of Bacillus cereus T and their possible involvement in germination. Boschwitz H, et al. **J Bacteriol** 1985 Oct; 164(1):302–9

High–performance affinity chromatography of trypsins on Asahipak GS–gel coupled with p–aminobenzamidine. Ito N, et al. **J Chromatogr** 1985 Sep 27;333(1):107–14

Strain differences in faecal tryptic activity of germ–free and conventional rats. Norin KE, et al. **Lab Anim** 1986 Jan; 20(1):67–9

Surfactants and enzymes in respiratory mucus [letter] Todisco T. **Lancet** 1986 Aug 23;2(8504):468

[Distribution of pancreatic trypsin in the components of a dense fraction of intestinal contents] Mitin IE, et al. **Dokl Akad Nauk SSSR** 1986;286(2):468–70 (Rus)

[Isolation and properties of chymotrypsin and trypsin labeled with iodine radioisotopes] Kulakov VN, et al. **Vopr Med Khim** 1985 Sep–Oct;31(5):98–100 (Eng. Abstr.) (Rus)

BIOSYNTHESIS

Pancreatic function and enzyme synthesis rates in mild chronic pancreatitis. Hamilton I, et al. **Scand J Gastroenterol** 1986 Jun;21(5):542–6

BLOOD

Evolution of serum amylase, lipase and immunoreactive trypsin during pancreatitis attacks. Courtois P, et al. **Ann Biol Clin (Paris)** 1985;43(2):127–31

Physiologically elevated concentration of serum trypsin–like immunoreactivity in newborns. Comparison with lipase. Carrère J, et al. **Biol Neonate** 1986;49(2):113–20

Clinical significance of serum pancreatic enzymes in the quiescent phase of chronic pancreatitis. Lesi C, et al. **Clin Biochem** 1985 Aug;18(4):235–8

Effect of secretin upon the levels of pancreatic enzymes in blood serum. Lesi C, et al. **Clin Biochem** 1985 Oct; 18(5):317–21

Concentrations of trypsin, elastase and carbohydrate antigen CA 19–9 in serum of cystic fibrosis patients [letter] Buamah PK, et al. **Clin Chem** 1986 May;32(5):913

Immunoenzymometric determination of trypsin/alpha 1–protease inhibitor complex in plasma of rats with experimental pancreatitis. Fletcher TS, et al. **Clin Chem** 1986 Sep;32(9):1738–41

Salivary amylase and pancreatic enzymes in serum after total body irradiation. Junglee D, et al. **Clin Chem** 1986 Apr; 32(4):609–10

Evaluation and comparison of cathodic trypsin–like immunoreactivity, pancreatic lipase and pancreatic isoamylase in the diagnosis of acute pancreatitis in 849 consecutive patients with acute abdominal pain. Møller–Petersen J, et al. **Clin Chim Acta** 1986 Jun 15; 157(2):151–65

Serum elastase 1 and immunoreactive trypsin in chronic pancreatic disease: is there any relationship with trypsin inhibitors? Fabris C, et al. **Enzyme** 1986;35(2):82–6

Serum immunoreactive trypsin and pancreatic lipase in cystic fibrosis. Bollbach R, et al. **Eur J Pediatr** 1985 Jul; 144(2):167–70

Variations in dried blood spot immunoreactive trypsin in relation to gestational age and during the first week of life.

Bourguignon JP, et al. **Eur J Pediatr** 1986 Apr;144(6):547–9

Serum immunoreactive trypsin and pancreatic lipase in primary biliary cirrhosis. Fonseca V, et al. **J Clin Pathol** 1986 Jun;39(6):638–40

Trypsin/creatinine clearance ratio and serum immunoreactive trypsin in digestive and pancreatic diseases. Del Favero G, et al. **Ric Clin Lab** 1985 Oct–Dec; 15(4):343–7

Pharmacological effects of gastric inhibitory polypeptide, cholecystokinin, and somatostatin on the serum levels of cationic trypsin–like immunoreactivity in man. Florholmen J, et al. **Scand J Gastroenterol** 1985 Sep;20(7):829–34

[High–density lipoproteins, total cholesterol, triglycerides and serum trypsin activity. Study in chronic alcoholic and withdrawn subjects] Joly JP, et al. **Pathol Biol (Paris)** 1986 Feb;34(2):108–12 (Eng. Abstr.) **(Fre)**

[Effect of tobacco smoke on pH, serum antiprotease capacity and trypsin activity in vitro studies] Nowak D, et al. **Pol Tyg Lek** 1985 Dec 2;40(48):1341–4 (Eng. Abstr.) **(Pol)**

[Serum radio–immune trypsin in the diagnosis of diseases of the pancreas] Abasov IT, et al. **Klin Med (Mosk)** 1985 Nov; 63(11):100–2 (Eng. Abstr.) **(Rus)**

[Serum trypsin level in patients with atopic dermatitis] Kaliuzhnaia LD, et al. **Vrach Delo** 1986 Mar;(3):94–6 (Eng. Abstr.) **(Rus)**

[Levels of serum immunoreactive trypsin in children with intra– and extrahepatic cholestasis] Codoceo R, et al. **An Esp Pediatr** 1986 Mar;24(3):177–80 (Eng. Abstr.) **(Spa)**

CHEMICAL SYNTHESIS

Lectins as carriers: preparation and purification of a concanavalin A–trypsin conjugate. Shier WT. **Methods Enzymol** 1985;112:248–58

DIAGNOSTIC USE

HRP/trypsin technique for studies of the retinal vasculature. Danis RP, et al. **Invest Ophthalmol Vis Sci** 1986 Mar; 27(3):434–7

A simple trypsin resistance assay for muscle and other cell fusion. Denning G, et al. **J Histochem Cytochem** 1986 Jul; 34(7):959–62

[Experimental study on the retinal tear. 6. Observation on retinal vessels around the retinal tear by trypsin digestion method] Obana A, et al. **Nippon Ganka Gakkai Zasshi** 1986 Jun;90(6):888–97 (Eng. Abstr.) **(Jpn)**

GENETICS

Selective regulation of trypsin gene expression by calcium and by glucose starvation in a rat exocrine pancreas cell line. Stratowa C, et al. **Proc Natl Acad Sci USA** 1986 Jun; 83(12):4292–6

ISOLATION & PURIFICATION

Rat trypsin: purification, radioimmunoassay and age–related serum levels in normal and spontaneously diabetic BB Wistar rats. Reddy S, et al. **Aust J Exp Biol Med Sci** 1985 Dec;63 (Pt 6):667–81

Trypsin–like enzyme from eggs of the ascidian (protochordate), Halocynthia roretzi. Purification, properties, and physiological role. Sawada H, et al. **J Biol Chem** 1985 Dec 15;260(29):15694–8

A unique trypsin–like protease associated with plasma membranes of rat liver. Tanaka K, et al. **J Biol Chem** 1986 Feb 25;261(6):2610–5

[Serine trypsin–like proteinase from the cells of the causative agent of plague Yersinia pestis] Loseva SP, et al. **Dokl Akad Nauk SSSR** 1985;285(3):727–30 **(Rus)**

METABOLISM

Differences between the binding of trypsin and chymotrypsin by alpha 1–proteinase inhibitor. Hercz A. **Biochem Biophys Res Commun** 1986 Jul 31;138(2):925–30

Effects of trypsin and calcium chloride on signal IIs in oxygen–evolving PS II preparations. Mavankal G, et al. **Biochem Biophys Res Commun** 1986 Jan 14;134(1):272–8

Binding of proteinases to human alpha 2–macroglobulin with its thioester bonds cleaved by methylamine in the presence of a thiol–group–cyanylating reagent. Björk I. **Biochem J** 1985 Oct 15;231(2):451–7

Trypsin–catalysed formation of pig des–(23–63)–proinsulin from desoctapeptide–(B23–30)–insulin. Kubiak T, et al. **Biochem J** 1986 Mar 15;234(3):665–70

Isomer–specific proteolysis of model substrates: influence that the location of the proline residue exerts on cis/trans specificity. Lin LN, et al. **Biochemistry** 1985 Nov 5; 24(23):6533–8

Evidence for hemiketals as intermediates in the inactivation of serine proteinases with halomethyl ketones. McMurray JS, et al. **Biochemistry** 1986 Apr 22;25(8):2298–301

13C NMR study of the ionizations within a trypsin–chloromethyl ketone inhibitor complex. Malthouse JP, et al. **Biochemistry** 1985 Jul 2;24(14):3478–87

Conversion of bovine cardiac adenosine cyclic 3',5'–phosphate dependent protein kinase to a heterodimer by removal of 45 residues at the N–terminus of the regulatory subunit. Reimann EM. **Biochemistry** 1986 Jan 14;25(1):119–25

Trypsin activation. Effect of the Ile–Val dipeptide concentration on Kazal inhibitor binding to bovine trypsinogen. Ascenzi P, et al. **Biochim Biophys Acta** 1985 Dec 20;832(3):378–82

Characterization of receptors for alpha 2–macroglobulin–trypsin complex in rat hepatocytes. Gliemann J, et al. **Biochim Biophys Acta** 1986 Jan 23; 885(1):49–57

Interactions of derivatives of guanidinophenylalanine and guanidinophenylglycine with Streptomyces griseus trypsin. Hatanaka Y, et al. **Biochim Biophys Acta** 1985 Dec 20; 832(3):274–9

Tetrapeptide substrates for the discrimination among kallikreins and other trypsin–like serine proteinases. Prado ES, et al. **Biol Chem Hoppe Seyler** 1986 Mar;367(3):199–205

Identification of functional domains on von Willebrand factor by binding of tryptic fragments to collagen and to platelets in the presence of ristocetin. Houdijk WP, et al. **Blood** 1986 May;67(5):1498–503

Synthesis and kinetic parameters of hydrolysis by trypsin of some acyl–arginyl–p–nitroanilides and peptides containing arginyl–p–nitroanilide. Juliano MA, et al. **Braz J Med Biol Res** 1985;18(4):435–45

Trypsin digestion of bovine cardiac troponin C in the presence and absence of calcium. McCubbin WD, et al. **Can J Biochem Cell Biol** 1985 Aug;63(8):812–23

Mosquito trypsin: immunocytochemical localization in the midgut of blood–fed Aedes aegypti (L.). Graf R, et al. **Cell Tissue Res** 1986;245(1):19–27

Distributions of post–proline cleaving enzyme–, converting enzyme–, trypsin– and chymotrypsin–like activities in various nephron segments and in brush–border membranes isolated from rat kidney. Sudo J, et al. **Chem Pharm Bull (Tokyo)** 1985 Apr;33(4):1694–702

Kinetics of hydrolysis of a new peptide substrate containing p–guanidino–L–phenylalanine by trypsin and thrombin. Tsunematsu H, et al. **Chem Pharm Bull (Tokyo)** 1986 Mar; 34(3):1351–4

Reduced trypsin binding capacity of alpha 2–macroglobulin in diabetes. Roberts RC, et al. **Clin Chim Acta** 1986 Jan 30;154(2):85–101

Correlation of trypsin–plasma inhibitor complexes with mortality in experimental pancreatitis in rats. Largman C, et al. **Dig Dis Sci** 1986 Sep;31(9):961–9

Proteolytic activity of human neutrophil elastase and porcine pancreatic trypsin causes bronchial secretory cell metaplasia in hamsters. Breuer R, et al. **Exp Lung Res** 1985; 9(1–2):167–75

Trypsin in human milk. Monti JC, et al. **Experientia** 1986 Jan 15;42(1):39–41

Effect of the integrity of the myofibrillar structure on the tryptic accessibility of a hinge region of the myosin rod. Assulin O, et al. **FEBS Lett** 1986 Mar 3;197(1–2):328–34

The generation of active fragments of complement receptor type 2 by trypsin digestion. Micklem K, et al. **FEBS Lett** 1985 Sep 23;189(2):195–201

Action of urokinase and trypsin on angiotensin, ACTH and the oxidized B chain of insulin. Yomtova VM. **FEBS Lett** 1985 Oct 14;190(2):311–4

Trypsin immobilization on anionic polymeric latex. Bahadur A, et al. **Indian J Biochem Biophys** 1985 Apr;22(2):107–10

Proteolytic activity of arginine esterase from dog seminal plasma towards actin and other structural proteins. Comparison with trypsin and kallikrein. Frenette G, et al. **Int J Biochem** 1986;18(8):697–703

Enzymatic semisynthesis of porcine despentapeptide (B26–30) insulin using unprotected desoctapeptide (B23–30) insulin as a substrate. Model studies. Kubiak T, et al. **Int J Pept Protein Res** 1986 May;27(5):514–21

A new beta–naphthylamide substrate of p–guanidino–L–phenylalanine for trypsin and related enzymes. Tsunematsu H, et al. **J Biochem (Tokyo)** 1985 Dec;98(6):1597–602

Sensitization of the Escherichia coli cyclic AMP receptor protein to trypsin cleavage by polydeoxyribonucleotides and polyribonucleotides. Angulo J, et al. **J Biol Chem** 1986 Aug 25;261(24):11315–9

Effects of methanol cryosolvents on the structural and catalytic properties of bovine trypsin. Compton PD, et al. **J Biol Chem** 1986 Jan 25;261(3):1248–52

Activation of plasma and amniotic prorenin by metalloprotease and trypsin. Takada Y, et al. **J Clin Endocrinol Metab** 1986 Mar;62(3):569–76

Feedback regulation of pancreatic enzyme secretion. Suppression of cholecystokinin release by trypsin. Owyang C, et al. **J Clin Invest** 1986 Jun;77(6):2042–7

The use of human pemphigoid autoantibodies to study the fate of epidermal basal cell hemidesmosomes after trypsin dissociation. Takahashi Y, et al. **J Invest Dermatol** 1985 Oct;85(4):309–13

Trypsin–binding immunoglobulin G in cystic fibrosis, allergic, and normal children. Laroche D, et al. **J Pediatr Gastroenterol Nutr** 1986 May–Jun;5(3):404–7

Electrostatic effect of trypsin binding on the hydrogen exchange rate of bovine pancreatic trypsin inhibitor beta–sheet NH's. Náray–Szabó G, et al. **J Theor Biol** 1985 Dec 7;117(3):505–8

Anterior pituitary glandular kallikrein: trypsin activation and estrogen regulation. Powers CA. **Mol Cell Endocrinol** 1986 Jul;46(2):163–74

The nature of enzyme catalysis in trypsin. Weiner SJ, et al. **Proc Natl Acad Sci USA** 1986 Feb;83(3):649–53

Chloroquine and primary amines inhibit the internalization of antithrombin III.trypsin complex in cultured cells. Savion N, et al. **Thromb Res** 1985 Sep 15;39(6):671–82

[Conformational aspects of beta–trypsin interaction with substrates and pancreatic trypsin inhibitor. I. Conformational properties of residues in the enzyme–active center and the structure of a non–valent enzyme–substrate complex] Godzhaev NM, et al. **Mol Biol (Mosk)** 1986 Jan–Feb;20(1):102–19 (Eng. Abstr.) **(Rus)**

[Conformational aspects of beta–trypsin interaction with substrates and pancreatic trypsin inhibitor. III. Catalytic act of trypsin and its inhibition] Popov EM, et al. **Mol Biol (Mosk)** 1986 Mar–Apr;20(2):357–68 (Eng. Abstr.) **(Rus)**

[Activity of proteinases and their inhibitors in the sputum of patients with chronic dust–induced bronchitis] Lavrenova GV, et al. **Vrach Delo** 1986 Jun;(6):106–9 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Distribution difference of lectin binding in salivary gland treated with sialidase and trypsin. Hosaka M, et al. **Acta Histochem (Jena)** 1986;79(1):11–22

Influence of trypsin on the regeneration of hyaline articular cartilage. Lack W, et al. **Acta Orthop Scand** 1986 Apr; 57(2):123–5

Leupeptin selectively inhibits human platelet responses induced by thrombin and trypsin; a role for proteolytic activation of phospholipase C. Ruggiero M, et al. **Biochem Biophys Res Commun** 1985 Sep 30;131(3):1198–205

Proteolytic cleavage of [3H]nitrobenzylthioinosine–labelled nucleoside transporter in human erythrocytes. Janmohamed NS, et al. **Biochem J** 1985 Sep 15; 230(3):777–84

Tryptic modification of red–cell sodium pump behaviour. Harvey WJ, et al. **Biochim Biophys Acta** 1986 Apr 25; 856(3):496–504

Modifications in plasma levels of alpha macroglobulins and fibrinogen trypsin perfusion in normal rabbits and in rabbits in acute phase reaction. Vernavel C, et al. **Br J Exp Pathol** 1986 Feb;67(1):65–72

Trypsin–susceptible cell surface characteristics of Streptococcus sanguis. Oakley JD, et al. **Can J Microbiol** 1985 Dec;31(12):1103–7

Differential sensitivity to trypsin of human bone–derived cells in culture: surface changes detected by partitioning in aqueous two–phase systems. Sharpe PT, et al. **Cell Biochem Funct** 1986 Jan;4(1):47–54

Effect of enzymatic digestion on phenylalanine transport across the small intestine. Nassar CF, et al. **Comp Biochem Physiol [A]** 1986;83(2):271–5

Effect of enzymatic treatment on calcium absorption by small intestine: a comparative study between rat and rabbit transport mechanisms. Saadeh GM, et al. **Comp Biochem Physiol [A]** 1986;83(3):539–41

Effects of pre– and post–thaw cell–to–cell contact and trypsin on survival of freeze–thaw damaged mammalian cells. Kruuv J. **Cryobiology** 1986 Apr;23(2):126–33

Resistance of alpha–crystallin–glutathione mixed–disulfide to tryptic digestion. Mostafapour MK, et al. **Curr Eye Res** 1986 Jun;5(6):405–10

The effect of trypsinization on the plasma membrane binding and action of 3,5,3'–triiodothyronine in rat thymocytes. Segal J, et al. **Endocrinology** 1986 May;118(5):1863–8

Chromatin superstructure. A study with an immobilized trypsin. Dimitrov SI, et al. **FEBS Lett** 1986 May 12; 200(2):322–6

Urea–gradient gel electrophoresis studies on the association of procarboxypeptidases A and B, proproteinase E, and their tryptic activation products. Vilanova M, et al. **FEBS Lett** 1985 Oct 28;191(2):273–7

Trypsin–sensitive plasmodia in the liver of post–infection rats and rhesus monkeys. Hussain QZ, et al. **Folia Parasitol (Praha)** 1986;33(2):107–13

Trypsin suppression of pancreatic enzyme secretion. Differential effect on cholecystokinin release and the enteropancreatic reflex. Owyang C, et al. **Gastroenterology** 1986 Sep;91(3):637–43

Inactivation of human interleukin–2 (IL–2) by alpha 2–macroglobulin–trypsin complexes. Borth W, et al. **Immunology** 1986 Mar;57(3):367–71

Studies on the post–larval development of cestodes of the genus Mesocestoides: trypsin–induced development of M. lineatus in vitro. Kawamoto F, et al. **Int J Parasitol** 1986 Aug;16(4):333–40

Effect of trypsin on the kinetic properties of reconstituted beef heart cytochrome c oxidase. Büge U, et al. **J Bioenerg Biomembr** 1985 Dec;17(6):375–84

Activation of ornithine decarboxylase in monolayer cells treated with trypsin. Gerner EW, et al. **J Cell Physiol** 1985 Dec;125(3):567–72

Modulation of antigen–induced T cell proliferation by alpha 2M–trypsin complexes. Mannhalter JW, et al. **J Immunol** 1986 Apr 15;136(8):2792–9

Intracellular localization of human monocyte associated interleukin 1 (IL 1) activity and release of biologically active IL 1 from monocytes by trypsin and plasmin. Matsushima K, et al. **J Immunol** 1986 Apr 15; 136(8):2883–91

Trypsin activation, partial characterization, and distribution of kallikrein–like and thrombin–like proteases in the neurointermediate lobe of the rat pituitary. Powers CA. **J Neurochem** 1986 Jul;47(1):145–53

Effect of some smooth muscle stimulants and trypsin on the contraction of vas deferens of aging rats. Huang JT, et al. **Jpn J Pharmacol** 1985 Jul;38(3):321–4

Selection and propagation of antibiotic-resistant mutants of Acholeplasma by the addition of fresh culture medium containing antibiotics and protease to the medium cultured with Acholeplasma. Hashimoto R, et al. **Kurume Med J** 1985;32(1):15–20

Increased hemolytic activity of the trypsin-cleaved ninth component of complement. Tschopp J, et al. **Mol Immunol** 1986 Jan;23(1):57–62

Effects of some commercial proteins on dog renin activity. Nigawara K, et al. **Nippon Jinzo Gakkai Shi** 1986 Mar; 28(3):313–7

The role of cell surface ligands on lymphocyte migration: studies on murine spleen lymphocytes and thymocytes. Park YH, et al. **Nippon Ketsueki Gakkai Zasshi** 1985 Sep; 48(6):1440–50

Effect of trypsinization and histone H5 addition on DNA twist and topology in reconstituted minichromosomes. Morse RH, et al. **Nucleic Acids Res** 1986 Apr 25; 14(8):3293–310

Enhanced susceptibility to HPD-sensitized phototoxicity and correlated resistance to trypsin detachment in SV40 transformed IMR-90 cells. Denstman SC, et al. **Photochem Photobiol** 1986 Feb;43(2):145–7

Studies on kininogen bioassay in human and rat plasma by means of trypsin and guinea pig ileum. Karp M, et al. **Pol J Pharmacol Pharm** 1986 Mar–Apr;38(2):185–91

Substitution of a serine residue for proline-87 reduces catalytic activity and increases susceptibility to proteolysis of Escherichia coli adenylate kinase. Gilles AM, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(16):5798–802

Treatment of human platelets with trypsin, thrombin, or collagen inhibits the pertussis toxin-induced ADP-ribosylation of a 41-kDa protein. Lapetina EG, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(16):5880–3

Pancreatic proteases and oxygen-derived free radicals in acute ischemic enteropathy. Bounous G. **Surgery** 1986 Jan; 99(1):92–4

[Effect of proteolytic enzymes on the penetration of Trypanosoma cruzi in peritoneal macrophages of mice] Osuna A, et al. **Ann Parasitol Hum Comp** 1985;60(4):383–8 (Eng. Abstr.) (Fre)

[Effect of trypsin on the development of a humoral immune response and of delayed hypersensitivity] Chalyĭ GA, et al. **Farmakol Toksikol** 1986 May–Jun;49(3):71–4 (Eng. Abstr.) (Rus)

[Effect of trypsin, kallikrein and kontrikal on the enzyme activity and cationic protein content of the blood neutrophils] Kharchenko VZ, et al. **Farmakol Toksikol** 1986 Mar–Apr;49(2):24–6 (Eng. Abstr.) (Rus)

SECRETION

Elevation of plasma CCK concentration after intestinal administration of a pancreatic enzyme secretion-stimulating peptide purified from rat bile-pancreatic juice: analysis with N-terminal region specific radioimmunoassay. Iwai K, et al. **Biochem Biophys Res Commun** 1986 Apr 29; 136(2):701–6

[Entero-pancreatic circulation of digestive enzymes] Xu GY. **Sheng Li Ke Hsueh Chin Chan** 1985 Jul;16(3):282–3 (Chi)

[Effect of somatostatin on hypercalcemia stimulated gastric juice and exocrine pancreas secretion in the human] Lenz T, et al. **Z Gastroenterol** 1986 Feb;24(2):74–9 (Eng. Abstr.) (Ger)

THERAPEUTIC USE

[Pain reaction in patients with venous leg ulcers during treatment with Trypure] Klemp P, et al. **Ugeskr Laeger** 1986 Mar 24;148(13):762–3 (Eng. Abstr.) (Dan)

[Trypsin, immobilized on a synthetic matrix, in the treatment of suppurative wounds of the soft tissues] Tolstykh PI, et al. **Khirurgiia (Mosk)** 1985 Nov;(11):102–7 (Eng. Abstr.) (Rus)

[Treatment of suppurative wounds with trypsin immobilized on a cellulose fabric carrier] Bychikhin NP, et al. **Klin Khir** 1986;(1):51–4 (Eng. Abstr.) (Rus)

[Immobilized thrombolytic enzymes and their use in ophthalmology] Samsonov GV, et al. **Vopr Med Khim** 1985 Jul–Aug;31(4):51–4 (Eng. Abstr.) (Rus)

TRYPSIN INHIBITOR, ALPHA 1-ANTITRYPSIN see **ALPHA 1-ANTITRYPSIN**

TRYPSIN INHIBITOR, BOWMAN-BIRK SOYBEAN see under **TRYPSIN INHIBITORS**

TRYPSIN INHIBITOR, KAZAL PANCREATIC see under **TRYPSIN INHIBITORS**

TRYPSIN INHIBITOR, KUNITZ, PANCREATIC see **KALLIKREIN-TRYPSIN INACTIVATOR**

TRYPSIN INHIBITOR, KUNITZ SOYBEAN see under **TRYPSIN INHIBITORS**

TRYPSIN INHIBITORS

Alkaline cleavage of disulfide bonds in the black-eyed pea trypsin and chymotrypsin inhibitor. Ikemoto H, et al. **An Acad Bras Cienc** 1985 Mar;57(1):87–93

Prediction of the secondary structure of Bowman-Birk soybean protease inhibitor from LTS sequence. Ventura MM. **An Acad Bras Cienc** 1985 Sep;57(3):359–67

Folding of the twisted beta-sheet in bovine pancreatic trypsin inhibitor. Chou KC, et al. **Biochemistry** 1985 Dec 31; 24(27):7948–53

Vicinal coupling constants and protein dynamics. Hoch JC, et al. **Biochemistry** 1985 Jul 16;24(15):3831–41

The catalytic active site of thioredoxin: conformation and homology with bovine pancreatic trypsin inhibitor. Lunn CA, et al. **Biochim Biophys Acta** 1986 Jun 23;871(3):257–67

Irreversible inhibition of trypsin by TLCK. A continuous method for kinetic study of irreversible enzymatic inhibitors in the presence of substrate. Tudela J, et al. **Int J Biochem** 1986;18(3):285–8

Comparative study on amino acid sequences of Kunitz-type soybean trypsin inhibitors, Tia, Tib, and Tic. Kim SH, et al. **J Biochem (Tokyo)** 1985 Aug;98(2):435–48

Affinity chromatography of peptidylarginine deiminase from rabbit skeletal muscle on a column of soybean trypsin inhibitor (Kunitz)-Sepharose. Takahara H, et al. **J Biochem (Tokyo)** 1986 May;99(5):1417–24

The complete amino acid sequence of trypsin inhibitor DE-3 from Erythrina latissima seeds. Joubert FJ, et al. **J Biol Chem** 1985 Oct 25;260(24):12948–53

Dissecting the roles of individual interactions in protein stability: lessons from a circularized protein. Goldenberg DP. **J Cell Biochem** 1985;29(4):321–35 (41 ref.)

[Conformational aspects of beta-trypsin interactions with substrates and pancreatic trypsin inhibitor. II. Structure of tetrahedral adducts and acylenzyme] Aliev RE, et al. **Mol Biol (Mosk)** 1986 Mar–Apr;20(2):346–56 (Eng. Abstr.) (Rus)

[Determination and comparative analysis of the conformation of bovine pancreatic trypsin inhibitor and trypsin inhibitors E and K from the data of two-dimensional 1H-NMR spectroscopy] Sherman SA, et al. **Mol Biol (Mosk)** 1985 Sep–Oct;19(5):1301–9 (Eng. Abstr.) (Rus)

[Isolation and properties of chymotrypsin and trypsin labeled with iodine radioisotopes] Kulakov VN, et al. **Vopr Med Khim** 1985 Sep–Oct;31(5):98–100 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Trypsin inhibitors: concern for human nutrition or not? Liener IE. **J Nutr** 1986 May;116(5):920–3 (8 ref.)

ANALYSIS

Inhibitors of trypsin, chymotrypsin and elastase in human uterine fluid. Casslén B. **Acta Obstet Gynecol Scand** 1986; 65(2):121–4

N-acetyl-beta-D-glucosaminidase and antitrypsin in subclinically infected quarter-milk samples: effect of bacteria and hemolysins, lactation stage, and lactation number. Mattila T, et al. **Am J Vet Res** 1986 Jan; 47(1):139–42

A Kunitz type of proteinase inhibitor isolated from boar seminal vesicle fluid. Veselský L, et al. **Andrologia** 1985 Jul–Aug;17(4):352–8

Comparative studies on the stability of acyl enzyme intermediates: an approach to the design of temporary inhibitors for trypsin-like enzymes. Tanizawa K, et al. **Chem Pharm Bull (Tokyo)** 1986 Feb;34(2):913–6

Pancreatic secretory trypsin inhibitor from human amniotic fluid and fetal and neonatal urine: concentrations and physicochemical characterization. Kolho KL, et al. **Clin Chim Acta** 1986 Apr 30;156(2):123–9

Acid stable trypsin inhibitor in bile. Yamamoto T, et al. **Clin Chim Acta** 1986 Jul 15;158(1):91–8

Inhibition of vascular endothelial cell growth and trypsin activity by vitreous. Jacobson B, et al. **Exp Eye Res** 1985 Nov;41(5):581–95

Milk plasmin, N-acetyl-beta-D-glucosaminidase, and antitrypsin as determinants of bacterial replication rates in whey. Mattila T, et al. **J Dairy Sci** 1986 Mar;69(3):670–5

Immunohistochemical localization of pancreatic secretory trypsin inhibitor in fetal and adult pancreatic and extrapancreatic tissues. Fukayama M, et al. **J Histochem Cytochem** 1986 Feb;34(2):227–35

Isolates from faba bean and soybean with lowered content of phytic acid and activity of the trypsin inhibitors. Borowska J, et al. **Nahrung** 1986;30(1):11–8

Trypsin and chymotrypsin inhibitor activities in plant foods from Vietnam and Hungary. Le Tien Vinh, et al. **Nahrung** 1986;30(1):53–8

Soybean seed 2-S globulins are not trypsin inhibitors. Vaintraub IA, et al. **Nahrung** 1985;29(7):711–4

Kazal type trypsin inhibitor in amniotic fluid in fetal developmental disorders. Kolho KL. **Prenat Diagn** 1986 Jul–Aug;6(4):299–302

Characterization of three new Kunitz-type inhibitors from bovine spleen: preparation of specific antibodies. Fioretti E, et al. **Prep Biochem** 1985;15(4):211–9

The crystallographic study of the complex of the Lys active fragment of the mung bean trypsin inhibitor with bovine trypsin. Zhang RG, et al. **Sci Sin [B]** 1985 Nov; 28(11):1163–6

BIOSYNTHESIS

Pancreatic secretory trypsin inhibitor-like immunoreactivity in pancreatectomized patients. Halila H, et al. **Clin Chim Acta** 1985 Dec 31;153(3):209–16

[Production of enzymes and enzyme inhibitors in neoplastic tissues] Ogawa M, et al. **Gan To Kagaku Ryoho** 1986 Mar; 13(3 Pt 2):731–9 (Eng. Abstr.) (Jpn)

BLOOD

Spectrofluorometric determination of FUT-175 (nafamstat mesilate) in blood based on trypsin-inhibitory activity. Aoyama T, et al. **Chem Pharm Bull (Tokyo)** 1985 May; 33(5):2142–4

Appearance mechanism and molecular heterogeneity of serum pancreatic secretory trypsin inhibitor (PSTI). Nakano I, et al. **Gastroenterol Jpn** 1985 Aug;20(4):354–60

Elevation of serum pancreatic secretory trypsin inhibitor (PSTI) in patients with serious injury. Ogawa M, et al. **Res Commun Chem Pathol Pharmacol** 1985 Nov; 50(2):259–66

[Basic and clinical studies on radioimmunoassay of pancreatic secretory trypsin inhibitor (PSTI)] Noritake M, et al. **Kaku Igaku** 1985 Sep;22(9):1413–8 (Jpn)

[Changes in serum pancreatic enzymes and pancreatic secretory trypsin inhibitor in patients with severe acute pancreatitis] Ogawa M, et al. **Nippon Geka Gakkai Zasshi** 1985 Sep;86(9):1241–4 (Eng. Abstr.) (Jpn)

[Experimental studies on the significance of the measurement of serum pancreatic secretory trypsin inhibitor in acute pancreatitis] Tanaka T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Aug;82(8):1914–23 (Eng. Abstr.) (Jpn)

[Changes in the activity of proteolytic enzyme inhibitors in the blood serum in cholecystopancreatitis] Loginov AS, et al. **Klin Med (Mosk)** 1985 Aug;63(8):95–8 (Eng. Abstr.) (Rus)

CHEMICAL SYNTHESIS

Evidence for hemiketals as intermediates in the inactivation of serine proteinases with halomethyl ketones. McMurray JS, et al. **Biochemistry** 1986 Apr 22;25(8):2298–301

A simple method for semi-synthesis of peptidyl-argininals as potent inhibitors of trypsin-like proteases. Someno T, et al. **Chem Pharm Bull (Tokyo)** 1986 Apr;34(4):1748–54

Ethyl esters of N-(3- and N-(4-amidinobenzoyl)(-L-)amino acids: synthesis and antiproteolytic activity towards bovine trypsin and porcine pancreatic kallikrein. Ferroni R, et al. **Farmaco [Sci]** 1985 Oct;40(10):717–29

Synthesis and inhibition of human acrosin and trypsin and acute toxicity of aryl 4-guanidinobenzoates. Kaminski JM, et al. **J Med Chem** 1986 Apr;29(4):514–9

GENETICS

Molecular cloning and nucleotide sequence of human pancreatic secretory trypsin inhibitor (PSTI) cDNA. Yamamoto T, et al. **Biochem Biophys Res Commun** 1985 Oct 30;132(2):605–12

Genetic linkage of a leucine aminopeptidase locus with the Kunitz trypsin inhibitor locus in soybeans. Kiang YT, et al. **J Hered** 1986 Mar–Apr;77(2):128–9

IMMUNOLOGY

Detection of antigen immunologically related to basic pancreatic inhibitor (Kunitz) in porcine blood plasma by immunoaffinity chromatography. Veselský L, et al. **J Chromatogr** 1986 Apr 11;376:395–400

ISOLATION & PURIFICATION

Isolation of two trypsin inhibitors from resting seeds of the white bush (Cucurbita pepo var. patissonina) and their properties. Pham TC, et al. **Acta Biochim Pol** 1985; 32(4):319–28

New alpha-amylase and trypsin inhibitors among the CM-proteins of barley (Hordeum vulgare). Barber D, et al. **Biochim Biophys Acta** 1986 Jan 17;869(1):115–8

Purification and characterization of the trypsin inhibitor from Cucurbita pepo var. patissonina fruits. Pham TC, et al. **Biol Chem Hoppe Seyler** 1985 Oct;366(10):939–44

Isolation of the first trypsin inhibitor from the genus Aspergillus. Ali R, et al. **Biosci Rep** 1985 Aug;5(8):697–700

Purification and complete amino acid sequence of canine pancreatic secretory trypsin inhibitor. Kikuchi N, et al. **FEBS Lett** 1985 Oct 28;191(2):269–72

The multiplicity of human pancreatic secretory trypsin inhibitor. Kikuchi N, et al. **J Biochem (Tokyo)** 1985 Sep; 98(3):687–94

METABOLISM

Isolation and partial characterization of the trypsin inhibitor from the seeds of Brassica oleracea var. sabellica. Wilimowska-Pelc A. **Acta Biochim Pol** 1985;32(4):351–61

Antitrypsin and N-acetyl-beta-D-glucosaminidase as markers of mastitis in a herd of Ayshire cows. Mattila T, et al. **Am J Vet Res** 1985 Dec;46(12):2453–6

A 13C-n.m.r. investigation of ionizations within a trypsin–inhibitor complex. Evidence that the pKa of histidine-57 is raised by interaction with the hemiketal oxyanion. Primrose WU, et al. **Biochem J** 1985 Nov 1;

231(3):677–82

13C NMR study of the ionizations within a trypsin–chloromethyl ketone inhibitor complex. Malthouse JP, et al. **Biochemistry** 1985 Jul 2;24(14):3478–87

Preparation of photoreactive derivatives of trypsin–chymotrypsin inhibitors from soybeans and chick peas by selective modification of lysine residues. Smirnoff P, et al. **Int J Pept Protein Res** 1985 Sep;26(3):274–8

Pancreatic endoproteases and pancreatic secretory trypsin inhibitor immunoreactivity in human Paneth cells. Bohe M, et al. **J Clin Pathol** 1986 Jul;39(7):786–93

[Protein–protein interactions in systems containing synthetic polyelectrolytes] Margolin AL, et al. **Dokl Akad Nauk SSSR** 1985;284(4):997–1001 (Rus)

[Conformational aspects of beta-trypsin interaction with substrates and pancreatic trypsin inhibitor. I. Conformational properties of residues in the enzyme–active center and the structure of a non–valent enzyme–substrate complex] Godzhaev NM, et al. **Mol Biol (Mosk)** 1986 Jan–Feb;20(1):102–19 (Eng. Abstr.) (Rus)

[Conformational aspects of beta–trypsin interaction with substrates and pancreatic trypsin inhibitor. III. Catalytic act of trypsin and its inhibition] Popov EM, et al. **Mol Biol (Mosk)** 1986 Mar–Apr;20(2):357–68 (Eng. Abstr.) (Rus)

[Selection of parameters for thermal treatment of soybeans by enzyme inactivation] Gómez MH, et al. **Arch Latinoam Nutr** 1985 Mar;35(1):163–71 (Eng. Abstr.) (Spa)

PHARMACODYNAMICS

Beneficial effect of proteinase inhibitors on early breaking strength of intestinal anastomoses. Högström H, et al. **Acta Chir Scand** 1985;151(6):529–32

Effect of atropine on rat pancreatic secretory response to trypsin inhibitors and protein. Levan VH, et al. **Am J Physiol** 1986 Jul;251(1 Pt 1):G64–9

Trypsin activation. Effect of the Ile–Val dipeptide concentration on Kazal inhibitor binding to bovine trypsinogen. Ascenzi P, et al. **Biochim Biophys Acta** 1985 Dec 20;832(3):378–82

Transition–state inhibition of thrombin and trypsin by amidinophenylpyruvates. Tanizawa K, et al. **Biol Chem Hoppe Seyler** 1985 Sep;366(9):871–8

A kinetic analysis of the inhibition of rat and bovine trypsins by naturally occurring protease inhibitors. Hanlon MH, et al. **Comp Biochem Physiol [B]** 1986;84(1):53–7

Inhibition of trypsins and chymotrypsins from different animal species: a comparative study. Rascón A, et al. **Comp Biochem Physiol [B]** 1985;82(2):375–8

Inhibitory effect of carp muscle trypsin inhibitor on mammalian pancreatic proteinases. Toyohara H, et al. **Comp Biochem Physiol [B]** 1986;83(2):283–5

Immunocytochemical localization of insulin–immunoreactive cells in the pancreatic ducts of rats treated with trypsin inhibitor. Weaver CV, et al. **Diabetologia** 1985 Oct; 28(10):781–5

Quantitative structure–activity relationships and molecular graphics in ligand receptor interactions: amidine inhibition of trypsin. Recanatini M, et al. **Mol Pharmacol** 1986 Apr; 29(4):436–46

Trypsin inhibitor ingestion–induced urinary indican excretion and pancreatic acinar cell hypertrophy. Anderson RL, et al. **Nutr Cancer** 1986;8(2):133–9

Stimulation of DNA synthesis in human fibroblasts by human pancreatic secretory trypsin inhibitor. Ogawa M, et al. **Res Commun Chem Pathol Pharmacol** 1985 Oct;50(1):155–8

[Hyperthermic effect of a trypsin inhibitor in rats and rabbits] Vismont FI, et al. **Biull Eksp Biol Med** 1985 Nov; 100(11):543–4 (Eng. Abstr.) (Rus)

SECRETION

[Studies on the defense mechanisms of the respiratory system. III. Effect of inhaling cigarette smoke on the levels of immunoglobulins, lysozyme and antitrypsin in bronchial lavage fluids] Kado M. **Bull Chest Dis Res Inst Kyoto Univ** 1982 Mar;15(1–2):70–6 (Eng. Abstr.) (Jpn)

THERAPEUTIC USE

Inhibition of oral carcinogenesis by a protease inhibitor. Messadi DV, et al. **JNCI** 1986 Mar;76(3):447–52

Protective effects of urinary trypsin inhibitor in experimental shock. Ohnishi H, et al. **Jpn J Pharmacol** 1985 Oct; 39(2):137–44

[Alcohol intake and endo– and exocrine function of pancreas. (Part 3). Effects of protease inhibitor on increased serum immunoreactive trypsin in chronic alcoholics] Kihara A, et al. **Arukoru Kenkyuto Yakubutsu Ison** 1985 Sep; 20(3):281–6 (Eng. Abstr.) (Jpn)

URINE

Purification and some properties of a low molecular weight trypsin inhibitor from acute pancreatitis urine. Matsuda K, et al. **Enzyme** 1985;34(3):129–39

The major human urinary trypsin inhibitor is a proteoglycan. Balduyck M, et al. **Eur J Biochem** 1986 Jul 15;158(2):417–22

[Urinary trypsin inhibitor in cancer patients] Onitsuka K, et al. **Rinsho Byori** 1985 Apr;33(4):445–9 (Jpn)

TRYPSINOGEN

Refolding of serine proteinases. Light A, et al. **J Cell Biochem** 1986;31(1):19–26

BIOSYNTHESIS

Influence of aging upon pancreatic digestive enzymes. Greenberg RE, et al. **Dig Dis Sci** 1986 Sep;31(9):970–7

Cholecystokinin–induced secretion and synthesis of amylase and cationic trypsinogen by pancreatic acini isolated from rats given an ethanol diet. Tsukamoto H, et al. **Life Sci** 1985 Oct 14;37(15):1359–65

BLOOD

Evocative test of serum pancreatic enzymes to bombesin in chronic pancreatitis. Andriulli A, et al. **Am J Gastroenterol** 1986 Jul;81(7):562–5

Age–related alterations of immunoreactive pancreatic cationic trypsinogen in sera from cystic fibrosis patients with and without pancreatic insufficiency. Durie PR, et al. **Pediatr Res** 1986 Mar;20(3):209–13

Serum immunoreactive pancreatic lipase and cationic trypsinogen for the assessment of exocrine pancreatic function in older patients with cystic fibrosis. Cleghorn G, et al. **Pediatrics** 1986 Mar;77(3):301–6

[Diagnostic effectiveness of immunoreactive serum trypsinogen, pancreatic iso–amylase and lipase in the diagnosis of acute pancreatic injury in hyperamylasemic patients] Fiorucci S, et al. **Recenti Prog Med** 1986 Jan; 77(1):1–6 (Eng. Abstr.) (Ita)

GENETICS

Regulation of concentrations of mRNA for amylase, trypsinogen I and chymotrypsinogen B in rat pancreas by secretagogues. Renaud W, et al. **Biochem J** 1986 Apr 1; 235(1):305–8

Cloning, characterization and nucleotide sequences of two cDNAs encoding human pancreatic trypsinogens. Emi M, et al. **Gene** 1986;41(2–3):305–10

Differential regulation of trypsinogen mRNA translation: full–length mRNA sequences encoding two oppositely charged trypsinogen isoenzymes in the dog pancreas. Pinsky SD, et al. **Mol Cell Biol** 1985 Oct;5(10):2669–76

METABOLISM

Trypsin activation. Effect of the Ile–Val dipeptide concentration on Kazal inhibitor binding to bovine trypsinogen. Ascenzi P, et al. **Biochim Biophys Acta** 1985 Dec 20;832(3):378–82

Activating effect of the Ile–Val dipeptide on the catalytic properties of bovine trypsinogen. Menegatti E, et al. **Biochim Biophys Acta** 1985 Nov 8;832(1):1–6

Processing of pro–colipase and trypsinogen by pancreatic dipeptidyl peptidase IV. Heymann E, et al. **Biomed Biochim Acta** 1986;45(5):575–84

The generation of lysolecithin by enterokinase in trypsinogen prophospholipase A2 lecithin mixtures, and its relevance to the pathogenesis of acute necrotising pancreatitis. Terry TR, et al. **Clin Chim Acta** 1985 Aug 30;150(3):151–63

Oscillations of trypsinogen activation. Vajda T. **Cryobiology** 1986 Jun;23(3):269–76

Correlation of trypsin–plasma inhibitor complexes with mortality in experimental pancreatitis in rats. Largman C, et al. **Dig Dis Sci** 1986 Sep;31(9):961–9

TRYPTAMINE RECEPTORS see **RECEPTORS, SEROTONIN**

TRYPTAMINES

Indole ring binds to 7–methylguanine base by pi–pi stacking interaction. Crystal structure of 7–methylguanosine 5'–monophosphate–tryptamine complex. Kamiichi K, et al. **FEBS Lett** 1986 Jan 20;195(1–2):57–60

ADMINISTRATION & DOSAGE

[Optimization of the composition of the radioprotective complex APAETP+mexamine and analysis of its action] Vladimirov VG, et al. **Radiobiologiia** 1986 Jul–Aug; 26(4):495–8 (Eng. Abstr.) (Rus)

ANALYSIS

Effects of benzene and pyridine on the concentration of mouse striatal tryptamine and 5–hydroxytryptamine. Juorio AV, et al. **Biochem Pharmacol** 1985 Oct 15;34(20):3774–6

Comparison of serotonin and 5–methoxytryptamine immunoreactivity in rat raphe nuclei. Patel S, et al. **Histochemistry** 1986;85(3):259–63

Quantification of tryptamine in brain using high–performance liquid chromatography. Larson AA, et al. **J Chromatogr** 1986 Feb 14;375(1):37–47

Analysis of cheese for histamine, tyramine, tryptamine, histidine, tyrosine, and tryptophane. Chang SF, et al. **J Dairy Sci** 1985 Nov;68(11):2840–6

BLOOD

A new metabolic pathway for N,N–dimethyltryptamine. Hryhorczuk LM, et al. **Biol Psychiatry** 1986 Jan; 21(1):84–93

CHEMICAL SYNTHESIS

11C–labeling of indolealkylamine alkaloids and the comparative study of their tissue distributions. Takahashi T, et al. **Int J Appl Radiat Isot** 1985 Dec;36(12):965–9

METABOLISM

Reevaluation of the products of tryptamine catalyzed by rabbit liver N–methyltransferases. Crooks PA, et al. **Biochem Pharmacol** 1986 May 1;35(9):1600–3

Effect of deuterium substitution on the disposition of intraperitoneal tryptamine. Dyck LE, et al. **Biochem Pharmacol** 1986 Sep 1;35(17):2893–6

Tryptamine depletion in the rat striatum following electrolytic lesions of the substantia nigra. Juorio AV, et al. **Brain Res** 1986 Apr 23;371(2):385–9

Characterization and quantitative autoradiography of [3H]tryptamine binding sites in rat brain. Kaulen P, et al. **Brain Res** 1986 Feb 26;366(1–2):72–88

The effect of caffeine on mouse striatal tryptamine. Juorio AV. **Eur J Pharmacol** 1985 Dec 17;119(3):235–7

Autoradiographic localization of tryptamine binding sites in the rat and dog central nervous system. McCormack JK, et al. **J Neurosci** 1986 Jan;6(1):94–101

[3H]tryptamine autoradiography in rat brain and choroid plexus reveals two distinct sites. Perry DC. **J Pharmacol Exp Ther** 1986 Feb;236(2):548–59

An investigation of demethylation in the metabolism of methoxytryptamine and methoxytryptophol. Leone RM, et al. **J Pineal Res** 1985;2(1):87–94

Temperature–sensitive high affinity [3H]tryptamine binding sites in rat brain. Karasawa A, et al. **Life Sci** 1986 Apr 7;38(14):1331–7

Autoradiographic localization and pharmacology of unique [3H]tryptamine binding sites in rat brain. Altar CA, et al. **Neuroscience** 1986;17(1):263–73

[Carcinogenic action of 5–methoxytryptamine related to its transformation into 5–methoxyindolyl–3–acetic acid] Sergeeva TI, et al. **Eksp Onkol** 1985;7(4):26–9 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Inhibitory action of exogenous melatonin, 5–methoxytryptamine, and 6–hydroxymelatonin on sexual maturation of male rats: activity of 5–methoxytryptamine might be due to its conversion to melatonin. Lang U, et al. **Biol Reprod** 1985 Oct;33(3):618–28

Tryptamine enhancement of neurotransmitter release under conditions that normally depress calcium influx. Friedman RN, et al. **Brain Res** 1986 Jan 29;364(1):172–6

5–Methyltryptamine stimulates phospholipase C–mediated breakdown of exogenous phosphoinositides by blowfly salivary gland membranes. Litosch I, et al. **J Biol Chem** 1985 Dec 25;260(30):16052–5

5–Methyltryptamine decreases net accumulation of 32P into the polyphosphoinositides from [gamma–32P]ATP in a cell–free system from blowfly salivary glands. Activation of breakdown of the newly synthesized [32P]polyphosphoinositides. Litosch I, et al. **J Biol Chem** 1986 Jan 15;261(2):638–43

Effect of tryptamine on the behavior of mice. Sugimoto Y, et al. **J Pharmacobiodyn** 1986 Jan;9(1):68–73

Effects of melatonin and 5–methoxytryptamine on sleep–wake patterns in the male rat. Mirmiran M, et al. **J Pineal Res** 1986;3(2):135–41

Relative efficacy of melatonin and 5–methoxytryptamine in terms of their antigonadotrophic and counterantigonadotrophic actions in male Syrian hamsters. Reiter RJ, et al. **J Pineal Res** 1984;1(1):91–8

Studies of monoamine oxidase and semicarbazide–sensitive amine oxidase. II. Inhibition by alpha–methylated substrate–analogue monoamines, alpha–methyltryptamine, alpha–methylbenzylamine and two enantiomers of alpha–methylbenzylamine. Arai Y, et al. **Jpn J Pharmacol** 1986 Jun;41(2):191–7

Receptor–mediated effects of serotonin and 5–methoxytryptamine on noradrenaline release in the rat vena cava and in the heart of the pithed rat. Göthert M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Feb; 332(2):124–30

Indolealkylamines and prolactin secretion. A structure–activity study in the central nervous system of the rat. Seeman G, et al. **Neuropharmacology** 1985 Dec; 24(12):1195–200

Physiological responses of guinea–pig myenteric neurons secondary to the release of endogenous serotonin by tryptamine. Takaki M, et al. **Neuroscience** 1985 Sep; 16(1):223–40

Effects of quipazine and of tryptamine on self–stimulation of median raphé nucleus and of lateral hypothalamus in rats. Broadbent J, et al. **Pharmacol Biochem Behav** 1985 Dec;23(6):943–7

[Comparative experimental study of the effect of melatonin and 5–methoxytryptamine on the thyroid gland of rats] Rom–Bugoslavskaia ES, et al. **Farmakol Toksikol** 1985 Sep–Oct;48(5):84–9 (Eng. Abstr.) (Rus)

[Effect of electron and steric interactions on the radioprotective properties of indolylalkylamines] Mukhomorov VK. **Radiobiologiia** 1986 Jul–Aug; 26(4):557–9 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Relationship of CNS tryptaminergic processes and the action of LSD–like hallucinogens. Martin WR, et al. **Pharmacol Biochem Behav** 1986 Feb;24(2):393–9

TRYPTOPHAN

Tryptophan in horseradish peroxidase. Ohlsson PI, et al. **Acta Chem Scand [B]** 1986 Apr;40(4):257–61

Acceleration of prostacyclin by phenolic compounds acting as tryptophan–like cofactors of prostaglandin hydroperoxidase synthase. Harada Y, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:237–9

Spectroscopic studies of metal ion binding to a tryptophan–containing parvalbumin. Breen PJ, et al. **Biochemistry** 1985 Sep 10;24(19):4991–7

Stopped–flow kinetic studies of metal ion dissociation or exchange in a tryptophan–containing parvalbumin. Breen PJ, et al. **Biochemistry** 1985 Sep 10;24(19):4997–5004

Detection of energy transfer between tryptophan residues in the tubulin molecule and bound bis(8–anilinonaphthalene–1–sulfonate), an inhibitor of microtubule assembly, that binds to a flexible region on tubulin. Prasad AR, et al. **Biochemistry** 1986 Jun 17; 25(12):3536–40

Evidence from pulse radiolysis and flash photolysis of the environment of tryptophan and tyrosine in the coat protein of fd phage. Ghiron CA, et al. **Biochim Biophys Acta** 1986 Feb 14;869(3):363–6

The tryptophans of gramicidin are essential for the lipid structure modulating effect of the peptide. Killian JA, et al. **Biochim Biophys Acta** 1985 Oct 24;820(1):154–6

The environment of the tryptophan residue in Pseudomonas aeruginosa azurin and its fluorescence properties. Turoverov KK, et al. **Biophys Chem** 1985 Nov; 23(1–2):79–89

Stability of tryptophan during food processing and storage. 2. A comparison of methods used for the measurement of tryptophan losses in processed foods. Nielsen HK, et al. **Br J Nutr** 1985 Mar;53(2):293–300

Stability of tryptophan during food processing and storage. 1. Comparative losses of tryptophan, lysine and methionine in different model systems. Nielsen HK, et al. **Br J Nutr** 1985 Mar;53(2):281–92

Mutagenicity of nondialyzable melanoidins prepared from carbohydrates and L–tryptophan before and after nitrite treatment. Kinae N, et al. **Chem Pharm Bull (Tokyo)** 1985 Jun;33(6):2438–44

Inactivation of cytosolic aspartate aminotransferase accompanying modification of Trp 48 by N–bromosuccinimide. Nagashima F, et al. **FEBS Lett** 1986 Mar 3;197(1–2):129–33

Tyrosyl fluorescence spectra of proteins lacking tryptophan: effects of intramolecular interactions. Lux B, et al. **Photochem Photobiol** 1985 Sep;42(3):245–51

Tryptophanyl fluorescence quenching of urocanase from Pseudomonas putida by acrylamide, cesium, iodide, and imidazolepropionate. O'Donnell PS, et al. **Photochem Photobiol** 1985 Aug;42(2):107–12

Alkaline quenching of bacteriorhodopsin tryptophanyl fluorescence: evidence for aqueous accessibility or a hydrogen–bonded chain. Palmer PL, et al. **Photochem Photobiol** 1985 Nov;42(5):541–7

Interaction of tryptophan with lecithin liposomes: NMR and turbidity studies. Viti V, et al. **Physiol Chem Phys Med NMR** 1985;17(4):413–20

ADMINISTRATION & DOSAGE

Maternal dietary substrates and human fetal biophysical activity. I. The effects of tryptophan and glucose on fetal breathing movements. Devoe LD, et al. **Am J Obstet Gynecol** 1986 Jul;155(1):135–9

L–tryptophan does not increase weight loss in carbohydrate–craving obese subjects. Strain GW, et al. **Int J Obes** 1985;9(6):375–80

Effects of combined administration of L–tryptophan and tricyclic antidepressants on alpha 2– and beta–adrenoceptors and monoamine levels in rat brain. Russell VA, et al. **Neurochem Res** 1985 Dec;10(12):1661–71

Clomipramine enhances prolactin and growth hormone responses to L–tryptophan. Anderson IM, et al. **Psychopharmacology (Berlin)** 1986;89(1):131–3

Interaction of dietary tryptophan and social isolation on territorial aggression, motor activity, and neurochemistry in mice. Lasley SM, et al. **Psychopharmacology (Berlin)** 1985;87(3):313–21

ADVERSE EFFECTS

Two cases of hypomania following the addition of L–tryptophan to a monoamine oxidase inhibitor. Goff DC. **Am J Psychiatry** 1985 Dec;142(12):1487–8

Toxic reaction following the combined administration of fluoxetine and L–tryptophan: five case reports. Steiner W, et al. **Biol Psychiatry** 1986 Sep;21(11):1067–71

Myoclonus, hyperreflexia and diaphoresis in patients on phenelzine–tryptophan combination treatment. Levy AB, et al. **Can J Psychiatry** 1985 Oct;30(6):434–6

Serotonin syndrome: a case report. Price WA, et al. **J Clin Pharmacol** 1986 Jan;26(1):77–8

The serotonin syndrome: case responsive to propranolol [letter] Guzé BH, et al. **J Clin Psychopharmacol** 1986 Apr; 6(2):119–20

ANALOGS & DERIVATIVES

Tryptophanyl adenylate formation by tryptophanyl–tRNA synthetase from Escherichia coli. Merle M, et al. **Biochemistry** 1986 Mar 11;25(5):1115–23

Photoinactivation and photoaffinity labeling of tryptophan synthase alpha 2 beta 2 complex by the product analogue 6–azido–L–tryptophan. Miles EW, et al. **Biochemistry** 1985 Aug 13;24(17):4694–703

Reactivities of tyrosine, histidine, tryptophan, and methionine in radical pair formation in flavin triplet induced protein nuclear magnetic polarization. Muszkat KA, et al. **Biochemistry** 1985 Sep 24;24(20):5416–21

Specific diagnosis of hepatocellular carcinoma by delayed hepatobiliary imaging. Hasegawa Y, et al. **Cancer** 1986 Jan 15;57(2):230–6

Production of a novel tryptophan analog, beta–1–indazole–L–alanine with tryptophan synthase of Escherichia coli. Tanaka H, et al. **FEBS Lett** 1986 Feb 17;196(2):357–60

Regression of rifampicin and 7–azatryptophan induced multiple heterocysts by viper venom in Anabaena ARM 314. Grover IS, et al. **Indian J Exp Biol** 1985 Mar; 23(3):151–3

Differential inhibition of tryptophan synthase and of tryptophanase by the two diastereoisomers of 2,3–dihydro–L–tryptophan. Implications for the stereochemistry of the reaction intermediates. Phillips RS, et al. **J Biol Chem** 1985 Nov 25;260(27):14665–70

Chromatographic determination of N–acetyl–DL–tryptophan and octanoic acid in human albumin solutions. Nelis HJ, et al. **J Chromatogr** 1985 Oct 4;333(2):381–7

The nitrosation of alcohol–induced metabolites produces mutagenic substances. Valin N, et al. **Mutat Res** 1985 Dec; 158(3):159–68

Hepatogram deconvolution analysis using 99mTc–pyridoxyl–methyl–tryptophan. Yamashita M, et al. **Radioisotopes** 1985 Sep;34(9):505–7

[Hepatobiliary scintigraphy with Tc–99m–PMT in a case of Rotor's disease. Comparison with the image of Tc–99m E–HIDA] Yoshida S, et al. **Kaku Igaku** 1985 Dec; 22(12):1823–7 **(Jpn)**

[Diagnosis of acute cholecystitis using hepatobiliary scintigraphy with 99mTc–PMT] Takada T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1985 Jul 25; 45(7):1032–8 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of 99mTc–N–pyridoxyl–5–methyltryptophan hepatobiliary scintigraphy in hepatocellular carcinoma] Kashiwagi T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Sep; 82(9):2061–7 (Eng. Abstr.) **(Jpn)**

[Karyological and morphological analysis of bovine kidney cells resistant to tryptophan analogs—inhibitors of tryptophanyl–tRNA synthetase] Palei EL, et al. **Genetika** 1986 Mar;22(3):473–80 (Eng. Abstr.) **(Rus)**

[Selection of cell lines resistant to tryptophan analogs] Palei EL, et al. **Mol Biol (Mosk)** 1986 Jan–Feb;20(1):208–18 (Eng. Abstr.) **(Rus)**

ANALYSIS

Stability of tryptophan in total parenteral nutrient solutions [letter] Johnston SJ. **Am J Hosp Pharm** 1986 Jun;43(6):1424

The adenosine triphosphate–pyrophosphate isotopic exchange reaction: a tool for determination of tryptophan. Trezeguet V, et al. **Anal Biochem** 1986 May 1;154(2):618–23

Complex photophysics of the single tryptophan of porcine pancreatic phospholipase A2, its zymogen, and an enzyme/micelle complex. Ludescher RD, et al. **Biochemistry** 1985 Dec 3;24(25):7240–9

Tryptophan residues of creatine kinase: a fluorescence study. Messmer CH, et al. **Biochemistry** 1985 Dec 3;24(25):7172–8

Tryptophan fluorescence of terminal deoxynucleotidyl transferase: effects of quenchers on time–resolved emission spectra. Robbins DJ, et al. **Biochemistry** 1985 Dec 3; 24(25):7250–7

Tyrosine and tryptophan modification monitored by ultraviolet resonance Raman spectroscopy. Caswell DS, et al. **Biochim Biophys Acta** 1986 Sep 5;873(1):73–8

Proximity relations between tyrosine and tryptophan residues in fd phage determined by luminescence measurements. Ghiron CA, et al. **Biochim Biophys Acta** 1986 Sep 5; 873(1):102–7

A new method for decay–associated fluorescence spectroscopy. Application to the tryptophan zwitterion. Privat JP, et al. **Biochimie** 1985 Sep;67(9):949–58

Levels of total and free tryptophan in maternal and in umbilical blood of infants born by vaginal delivery and by elective cesarean section. Zanardo V, et al. **Biol Neonate** 1985;48(6):346–50

Fluorescence quenching of the buried tryptophan residue of cod parvalbumin. Eftink MR, et al. **Biophys Chem** 1985 Aug;22(3):173–80

Spin–lattice relaxation in the triplet state of the buried tryptophan residue of ribonuclease T1. Ghosh S, et al. **Biophys J** 1986 Mar;49(3):753–60

Effect of scalding on tryptophan contents in rat plasma, urine and tissues. Guo JS, et al. **Chin Med J [Engl]** 1985 Aug; 98(8):582–6

Studies of the fluorescence from tryptophan in melittin. Tran CD, et al. **Eur Biophys J** 1985;13(1):59–64

The resolution of heterogeneous fluorescence of multitryptophan–containing proteins studied by a fluorescence–quenching method. Stryjewski W, et al. **Eur J Biochem** 1986 Aug 1;158(3):547–53

Audiogenic seizures and brain serotonin after L–tryptophan and p–chlorophenylalanine. Peters RI, et al. **Exp Neurol** 1985 Dec;90(3):540–8

Binding and fluorescence properties of the membrane domain of NADH–cytochrome–b5 reductase. Determination of the depth of Trp–16 in the bilayer. Kensil CR, et al. **J Biol Chem** 1986 Jun 5;261(16):7316–21

Chromatographic separation and determination of tryptophan in food–stuffs after barytic hydrolysis using Fractogel TSK HW 40 S. Huet JC, et al. **J Chromatogr** 1986 Mar 21; 355(2):451–5

Determination of indican and tryptophan in normal and uraemic patients by high–performance liquid chromatography with a new electrochemical detector. Laganà A, et al. **J Chromatogr** 1986 May 28;378(1):85–93

Analysis of cheese for histamine, tyramine, tryptamine, histidine, tyrosine, and tryptophane. Chang SF, et al. **J Dairy Sci** 1985 Nov;68(11):2840–6

[Determination of tryptophan in protein hydrolysates using ion exchange chromatography] Izatullaev EA, et al. **Lab Delo** 1986;(2):118–9 **(Rus)**

BIOSYNTHESIS

Direct observation of tryptophan biosynthesis in Escherichia coli by carbon–13 nuclear magnetic resonance spectroscopy. Ashworth DJ, et al. **Anal Chem** 1986 Mar; 58(3):526–32

Arrangement of genes TRP1 and TRP3 of Saccharomyces cerevisiae strains. Braus G, et al. **Arch Microbiol** 1985 Sep; 142(4):383–8

Escherichia coli tryptophan operon directs the in vivo synthesis of a leader peptide. Dekel–Gorodetsky L, et al. **J Bacteriol** 1986 Mar;165(3):1046–8

Analysis of cloned DNA from Leptospira biflexa serovar patoc which complements a deletion of the Escherichia coli trpE gene. Yelton DB, et al. **J Bacteriol** 1986 Jan; 165(1):41–6

[The tryptophan operon of the facultative methylotrophic bacteria Pseudomonas sp. M. III. Characteristics of regulatory 5–MTR mutants] Maksimova NP, et al. **Genetika** 1986 Feb;22(2):194–9 (Eng. Abstr.) **(Rus)**

[Tryptophan of facultative methylotrophic bacteria Pseudomonas sp. M. II. Regulation of tryptophan biosynthesis] Olekhnovich IN, et al. **Genetika** 1985 Oct; 21(10):1627–33 (Eng. Abstr.) **(Rus)**

BLOOD

The diagnostic performance of the L–tryptophan/competing amino acids ratio in major depression. Maes M, et al. **Acta Psychiatr Belg** 1986 May–Jun;86(3):257–65

Association between low plasma tryptophan and blackouts in male alcoholic patients. Branchey L, et al. **Alcoholism (NY)** 1985 Sep–Oct;9(5):393–5

Direct plasma injection method for the analysis of tryptophan metabolites by high–performance liquid chromatography coupled with precolumn deproteinization. Morita I, et al. **Anal Biochem** 1985 Dec;151(2):358–64

Light–induced changes in plasma tryptophan and cystine. Felten RP. **Ann NY Acad Sci** 1985;453:55–64

Ventricular size and CSF transmitter metabolite concentrations in severe endogenous depression. Standish–Barry HM, et al. **Br J Psychiatry** 1986 Apr; 148:386–92

Plasma tryptophan and anorexia in human cancer. Fanelli FR, et al. **Eur J Cancer Clin Oncol** 1986 Jan;22(1):89–95

Plasma free tryptophan concentration in children with attention deficit disorder. Hoshino Y, et al. **Folia Psychiatr Neurol Jpn** 1985;39(4):531–5

High–performance liquid chromatographic determination of total and free tryptophan in serum from control subjects and liver patients. Rocchi E, et al. **J Chromatogr** 1986 Jul 11;380(1):128–32

Effect of aging on plasma tryptophan [letter] Thomas DR, et al. **J Clin Psychopharmacol** 1986 Aug;6(4):252–3

The composition of lunch determines afternoon plasma tryptophan ratios in humans. Lieberman HR, et al. **J Neural Transm** 1986;65(3–4):211–7

Scheduled feeding versus the light–dark cycle on the rhythms of circulating tryptophan, serotonin and N–acetylserotonin in rats. Ho AK, et al. **Life Sci** 1985 Oct 28;37(17):1619–26

L–tyrosine and L–tryptophan transport in red blood cells in normal subjects. Effects of other amino acids, temperature and medium of incubation. Widmer J, et al. **Neuropsychobiology** 1986;15(1):7–12

Depletion of histidine and tryptophan serum levels in porphyria cutanea tarda and congenital erythropoietic porphyria patients after irradiation with visible light. Al Halnak A, et al. **Photodermatol** 1986 Apr;3(2):92–7

Tryptophan and nutritional status of patients with senile dementia. Thomas DE, et al. **Psychol Med** 1986 May; 16(2):297–305

Plasma tryptophan and tyrosine ratios to competing amino acids in relation to antidepressant response to citalopram and maprotiline. A preliminary study. Møller SE, et al. **Psychopharmacology (Berlin)** 1986;88(1):96–100

[Erythrocyte membrane transport of L-tyrosine and L-tryptophan in 66 patients with depressive syndromes. Preliminary results] Pringuey D, et al. **Acta Psychiatr Belg** 1986 Mar-Apr;86(2):131-40 (Eng. Abstr.) (Fre)

[Tryptophan metabolism in liver diseases: a pharmacokinetic and enzymatic study] Rösale M, et al. **Klin Wochenschr** 1986 Jul 1;64(13):590-4 (Eng. Abstr.) (Ger)

[Serum levels of total and free tryptophan in the premature newborn infant treated with aminophylline] Zanardo V, et al. **Pediatr Med Chir** 1985 Mar-Apr;7(2):235-7 (Eng. Abstr.) (Ita)

CEREBROSPINAL FLUID

Cerebrospinal fluid monoamine precursor and metabolite levels in children treated for leukemia: age and sex effects and individual variability. Riddle MA, et al. **Biol Psychiatry** 1986 Jan;21(1):69-83

Motor activity increases tryptophan, 5-hydroxyindoleacetic acid, and homovanillic acid in ventricular cerebrospinal fluid of the conscious rat. Chaouloff F, et al. **J Neurochem** 1986 Apr;46(4):1313-6

DIAGNOSTIC USE

Xanthurenic acid flow in 24-hour urine following L-tryptophan loading in depressive patients. Maes M, et al. **Acta Psychiatr Belg** 1986 Mar-Apr;86(2):120-30

[Association of celiac disease and Hartnup's disease? Value of the tryptophan loading test (letter)] Coudray-Lucas C, et al. **Gastroenterol Clin Biol** 1986 Feb;10(2):187-8 (Fre)

[Tryptophan loading and its plasma concentration in neurosurgical patients] Levchenko LI, et al. **Zh Vopr Neirokhir** 1986 Mar-Apr;(2):31-3 (Eng. Abstr.) (Rus)

GENETICS

Cloning and expression of tryptophan genes from Brevibacterium lactofermentum in Escherichia coli. del Real G, et al. **Biochem Biophys Res Commun** 1985 Dec 31;133(3):1013-9

A temperature dependent transition in the Pribnow box of the trp promoter. Lefevre JF, et al. **FEBS Lett** 1985 Oct 7;190(1):37-40

Isolation and characterization of the Aspergillus niger trpC gene. Kos A, et al. **Gene** 1985;39(2-3):231-8

A cloned tryptophan-synthesis gene from the ascomycete Cochliobolus heterostrophus functions in Escherichia coli, yeast and Aspergillus nidulans. Turgeon BG, et al. **Gene** 1986;42(1):79-88

Novel form of transcription attenuation regulates expression the Bacillus subtilis tryptophan operon. Shimotsu H, et al. **J Bacteriol** 1986 May;166(2):461-71

Nuclear magnetic resonance study of the proton exchange rate in the operator-promoter DNA sequence of the trp operon of Escherichia coli. Lefevre JF, et al. **J Mol Biol** 1985 Oct 20;185(4):689-99

[Tryptophan operon of methylotrophic facultative Pseudomonas sp. M bacteria. I. Isolation and characterization of auxotrophic Trp-mutants] Olekhnovich IN, et al. **Genetika** 1985 Jul;21(7):1099-104 (Eng. Abstr.) (Rus)

ISOLATION & PURIFICATION

Recovery of tryptophan from 25-minute acid hydrolysates of protein. Yokote Y, et al. **Anal Biochem** 1986 Feb 1; 152(2):245-9

Direct chiral resolution in an aqueous two-phase system using the counter-current distribution principle. Ekberg B, et al. **J Chromatogr** 1985 Sep 27;333(1):211-4

METABOLISM

Structure-function relationships in heparin cofactor II: chemical modification of arginine and tryptophan and demonstration of a two-domain structure. Church FC, et al. **Arch Biochem Biophys** 1986 Apr;246(1):175-84

Uptake of tryptophan into the brain: dietary influences on serotoninergic function. Bender DA. **Bibl Nutr Dieta** 1986; (38):82-6

Effect of sustained exercise on concentrations of plasma aromatic and branched-chain amino acids and brain amines. Acworth I, et al. **Biochem Biophys Res Commun** 1986 May 29;137(1):149-53

Quantification of the importance of individual steps in the control of aromatic amino acid metabolism. Salter M, et al. **Biochem J** 1986 Mar 15;234(3):635-47

Tryptophan transport through transport system T in the human erythrocyte, the Ehrlich cell and the rat intestine. López-Burillo S, et al. **Biochim Biophys Acta** 1985 Oct 24;820(1):85-94

Developmental control of gene expression of tryptophan 2,3-dioxygenase in neonatal rat liver. Nagao M, et al. **Biochim Biophys Acta** 1986 Aug 22;867(4):179-86

The pharmacokinetics of L-tryptophan following its intravenous and oral administration. Green AR, et al. **Br J Clin Pharmacol** 1985 Oct;20(4):317-21

Nutritional availability of methionine, lysine and tryptophan in fish meals, as assessed with biological, microbiological and dye-binding assay procedures. Hewitt D, et al. **Br J Nutr** 1985 May;53(3):575-86

Reactions of proteins with oxidizing lipids. 2. Influence on protein quality and on the bioavailability of lysine, methionine, cyst(e)ine and tryptophan as measured in rat assays. Nielsen HK, et al. **Br J Nutr** 1985 Jan;53(1):75-86

Effects of conditioned running on plasma, liver and brain tryptophan and on brain 5-hydroxytryptamine metabolism of the rat. Chaouloff F, et al. **Br J Pharmacol** 1985 Sep; 86(1):33-41

Stimulation of tryptophan uptake into brain microvessels by D-glutamine. Gorgievski-Hrisoho M, et al. **Brain Res** 1986 Mar 5;367(1-2):395-7

Effect of scalding on tryptophan catabolism in rats. Guo JS, et al. **Chin Med J [Engl]** 1985 Aug;98(8):587-90

Fluorescence studies on tryptophan and sulfhydryl group changes of bovine lens crystallins in a photodynamic system. Andley UP, et al. **Curr Eye Res** 1985 Aug; 4(8):831-42

Disturbances in tryptophan metabolism in rats following chronic dietary aflatoxin treatment. Weekley LB, et al. **Drug Chem Toxicol** 1985;8(3):145-54

Separation of tryptophan pyrrolooxygenase into three molecular forms. A study of their substrate specificities using tryptophyl-containing peptides and proteins. Camoretti-Mercado B, et al. **Eur J Biochem** 1986 Apr 15; 156(2):317-25

The interaction of the trp repressor from Escherichia coli with L-tryptophan and indole propanoic acid. Lane AN. **Eur J Biochem** 1986 Jun 2;157(2):405-13

Evidence for the role of ammonia in the intracerebral transfer and metabolism of tryptophan. Grippon P, et al. **Hepatology** 1986 Jul-Aug;6(4):682-6

Induction of tryptophan catabolism is the mechanism for gamma-interferon-mediated inhibition of intracellular Chlamydia psittaci replication in T24 cells. Byrne GI, et al. **Infect Immun** 1986 Aug;53(2):347-51

Gamma-interferon-induced inhibition of the growth of Rickettsia prowazekii in fibroblasts cannot be explained by the degradation of tryptophan or other amino acids. Turco J, et al. **Infect Immun** 1986 Jul;53(1):38-46

Tryptophan requirement of growing swine as determined by the oxidation of an indicator amino acid. Lin FD, et al. **J Anim Sci** 1986 Mar;62(3):660-4

Interaction of the Escherichia coli trp aporepressor with its ligand, L-tryptophan. Arvidson DN, et al. **J Biol Chem** 1986 Jan 5;261(1):238-43

Tryptophan degradation in mice initiated by indoleamine 2,3-dioxygenase. Takikawa O, et al. **J Biol Chem** 1986 Mar 15;261(8):3648-53

Selective and differential medium for the primary isolation of members of the Proteeae. Hawkey PM, et al. **J Clin Microbiol** 1986 Mar;23(3):600-3

Repair of tryptophan radicals by antioxidants. Jovanovic SV, et al. **J Free Radic Biol Med** 1985;1(2):125-9

Successful nicotinamide treatment in an autosomal dominant behavioral and psychiatric disorder. Blom W, et al. **J Inherited Metab Dis** 1985;8 Suppl 2:107-8

Peripheral and central short-term effects of fusaric acid, a DBH inhibitor, on tryptophan and serotonin metabolism in the rat. Chaouloff F, et al. **J Neural Transm** 1986; 65(3-4):219-32

Amino acid analysis demonstrates that increased plasma free tryptophan causes the increase of brain tryptophan during exercise in the rat. Chaouloff F, et al. **J Neurochem** 1986 May;46(5):1647-50

Content of quinolinic acid and of other tryptophan metabolites increases in brain regions of rats used as experimental models of hepatic encephalopathy. Moroni F, et al. **J Neurochem** 1986 Mar;46(3):869-74

Uptake and release of tryptophan and serotonin: an HPLC method to study the flux of endogenous 5-hydroxyindoles through synaptosomes. Wolf WA, et al. **J Neurochem** 1986 Jan;46(1):61-7

Absence of chronic effects of dietary protein content on brain tryptophan concentrations in rats. Fernstrom JD, et al. **J Nutr** 1985 Oct;115(10):1337-44

Suppressive effect of dietary unsaturated fatty acids on alpha-amino-beta-carboxymuconate-epsilon-semialdehyde decarboxylase, a key enzyme of tryptophan-niacin metabolism in rat liver. Sanada H. **J Nutr Sci Vitaminol (Tokyo)** 1985 Jun;31(3):327-37

An increase in tryptophan in brain may be a general mechanism for the effect of stress on sensitivity to pain. Kelly SJ, et al. **Neuropharmacology** 1985 Nov; 24(11):1019-25

Lethal familial pellagra-like skin lesion associated with neurologic and developmental impairment and the development of cataracts. Salih MA, et al. **Pediatrics** 1985 Nov;76(5):787-93

Interferon enhances tryptophan metabolism by inducing pulmonary indoleamine 2,3-dioxygenase: its possible occurrence in cancer patients. Yasui H, et al. **Proc Natl Acad Sci USA** 1986 Sep;83(17):6622-6

[Various routes of L-tryptophan transport in the small intestine of the chick] Basova NA, et al. **Fiziol Zh SSSR** 1986 Jun;72(6):810-7 (Eng. Abstr.) (Rus)

[Features of gastroduodenitis in children with disorders of tryptophan metabolism] Fadeeva MA, et al. **Pediatriia** 1985 Nov;(11):34-6 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Influences of amino acids on the circadian rhythms of brain neurotransmitters. Angelova C, et al. **Bibl Nutr Dieta** 1986; (38):72-81

Molecular basis for the anti-tickling activity of aromatic amino acids and related compounds: a proton nuclear magnetic resonance investigation. Russu IM, et al. **Biochemistry** 1986 Feb 25;25(4):808-15

The effects of amino acids on protein degradation and translocation of non-histone proteins to the nucleus in lymphocytes. Polet H, et al. **Biochim Biophys Acta** 1986 Apr 8;886(1):33-9

Brain serotonin synthesis and Na^+,K^+-ATPase activity are increased postnatally after prenatal administration of L-tryptophan. Hernández-Rodríguez J, et al. **Brain Res** 1986 Mar;390(2):221-6

The effect of tryptophan on biogenic amines in the hepatic portal circulation of the dog. Hussain MN, et al. **Can J Physiol Pharmacol** 1985 Jul;63(7):863-6

Effects of varying fat content of a high tryptophan diet on the induction of gamma-glutamyltranspeptidase positive foci in the livers of rats treated with hepatocarcinogen. Sidransky H, et al. **Cancer Lett** 1986 Jun;31(3):235-42

Brain 5-hydroxytryptamine and plasma testosterone in L-tryptophan treated rats. Biswas NM, et al. **Endocr Res** 1985;11(3-4):131-7

Protective effect of tryptophan and cysteine against carbon tetrachloride-induced liver injury. Wang D, et al. **Exp Mol Pathol** 1985 Dec;43(3):364-74

Effect of tryptophan on 2,4-dichlorophenoxyacetic acid toxicity in the nitrogen-fixing-cyanobacterium Nostoc linckia. Mishra AK, et al. **J Basic Microbiol** 1986; 26(1):49-53

Evidence for involvement of tryptophan residue in the low-affinity saccharide binding site of ricin D. Hatakeyama T, et al. **J Biochem (Tokyo)** 1986 Apr;99(4):1049-56

Influence of tryptophan loading on urinary excretion of anthranilic acid and 3-hydroxyanthranilic acid by men and women as determined by alkali flame ionization gas chromatography. van der Poll JM, et al. **J Chromatogr** 1986 Mar 7;375(2):213-23

The anti-chlamydial and anti-proliferative activities of recombinant murine interferon-gamma are not dependent on tryptophan concentrations. de la Maza LM, et al. **J Immunol** 1985 Dec;135(6):4198-200

Effects of chronic tryptophan loading on serotonin (5-HT) levels in neonatal rat brain. Mathura CB, et al. **J Natl Med Assoc** 1986 Jul;78(7):645-7

Exogenous tryptophan increases synthesis, storage, and intraneuronal metabolism of 5-hydroxytryptamine in the rat hypothalamus. Lookingland KJ, et al. **J Neurochem** 1986 Jul;47(1):205-12

Ultrastructural changes of the liver following L-tryptophan ingestion in rats. Trulson ME, et al. **J Nutr** 1986 Jun; 116(6):1109-15

The effect of intraluminal tryptophan and phenylalanine on small intestinal motility in the conscious dog. Bull JS, et al. **J Physiol (Lond)** 1985 Oct;367:353-62

Evidence for the role of glycosylation of proteins in the tryptophan-induced stimulation of nucleocytoplasmic translocation of mRNA in rat liver. Sidransky H, et al. **Lab Invest** 1986 Jan;54(1):93-9

Effect of indolamines on beta-endorphin release by rat anterior pituitary cells. Abou Samra AB, et al. **Neuroendocrinology** 1985 Dec;41(6):490-3

Pharmacological studies on the serotoninergic and nonserotonin-mediated stimulation of prolactin and corticosterone secretion by fenfluramine. Effects of pretreatment with fluoxetine, indalpine, PCPA, and L-tryptophan. Van de Kar LD, et al. **Neuroendocrinology** 1985 Oct;41(4):283-8

Acute tryptophan pretreatment protects against behavioral changes caused by cerebral ischemia. Carney JM. **Neurosci Lett** 1986 May 15;66(2):127-30

Recent research on the behavioral effects of tryptophan and carbohydrate. Spring B. **Nutr Health** 1984;3(1-2):55-67 (33 ref.)

Intraperitoneal injections of tryptophan inhibit food intake in the fowl. Lacy MP, et al. **Poult Sci** 1986 Apr;65(4):786-8

Tryptophan's influence on feeding and body temperature in the fowl. Lacy MP, et al. **Poult Sci** 1986 Jun;65(6):1193-6

Neuroendocrine effects of L-tryptophan and dexamethasone. Triskman-Bendz L, et al. **Psychopharmacology (Berlin)** 1986;89(1):85-8

Hormonal and behavioral effects associated with intravenous L-tryptophan administration. Winokur A, et al. **Psychopharmacology (Berlin)** 1986;88(2):213-9

Tryptophan depletion causes a rapid lowering of mood in normal males. Young SN, et al. **Psychopharmacology (Berlin)** 1985;87(2):173-7

[Effect of the exogenous tryptophan on biosynthesis of ergot alkaloids in Penicillium sizovae] Kozlovskiĭ AG, et al. **Mikrobiologiia** 1985 Nov-Dec;54(6):883-8 (Eng. Abstr.) (Rus)

[Effect of tryptophan on gluconeogenesis in the perfused liver of irradiated rats] Borovikova GV, et al. **Radiobiologiia** 1985 Sep-Oct;25(5):636-9 (Eng. Abstr.) (Rus)

RADIATION EFFECTS

The photolysis of tryptophan with 337.1 nm laser radiation. Borkman RF, et al. **Photochem Photobiol** 1986 Jan; 43(1):13-9

The effect of pH on the aerobic and anaerobic photolysis of tryptophan and some tryptophan-containing dipeptides. Hibbard LB, et al. **Photochem Photobiol** 1985 Aug;

42(2):99–106
Photochemical modifications of lac repressor: effect of effectors binding on tryptophan photooxidation. Spodheim–Maurizot M, et al. **Photochem Photobiol** 1985 Oct;42(4):353–9

THERAPEUTIC USE

L–Tryptophan in the treatment of restless legs syndrome [letter] Sandyk R. **Am J Psychiatry** 1986 Apr;143(4):554–5
Nutrition and sleeping behavior. Schneider–Helmert D. **Bibl Nutr Dieta** 1986;(38):87–93
Neurotransmitter precursor therapies in affective disorders. von Lerber–Good WF. **Int J Vitam Nutr Res [Suppl]** 1986; 29:69–82 (39 ref.)
Amino acid supplementation as therapy for attention deficit disorder. Nemzer ED, et al. **J Am Acad Child Psychiatry** 1986 Jul;25(4):509–13
Dissociation of depressive mood and vegetative symptoms during treatment with L–tryptophan [letter] Siddiqui AR, et al. **J Clin Psychopharmacol** 1986 Apr;6(2):118–9
Could supplementary dietary tryptophan and taurine prevent epileptic seizures? Maurizi CP. **Med Hypotheses** 1985 Dec; 18(4):411–5
L–tryptophan in drug–induced movement disorders with insomnia [letter] Sandyk R, et al. **N Engl J Med** 1986 May 8;314(19):1257
Evaluation of L–tryptophan for treatment of insomnia: a review. Schneider–Helmert D, et al. **Psychopharmacology (Berlin)** 1986;89(1):1–7
[L–dopa–induced psychoses and their treatment with L–tryptophan] Demling J. **Fortschr Med** 1986 Apr 30; 104(17):360–2 (Eng. Abstr.) **(Ger)**
[Is tryptophan a biological hypnotic?] Borbély AA, et al. **Schweiz Rundsch Med Prax** 1986 Jun 24;75(26):785–91 (Eng. Abstr.) **(Ger)**

URINE

The correlation between certain tryptophan metabolites and the N–nitrosamine content in the urine of bilharzial bladder cancer patients. Abdel–Tawab GA, et al. **J Urol** 1986 Apr; 135(4):826–30

TRYPTOPHAN HYDROXYLASE

ANALYSIS

Increased tryptophan hydroxylase activity in serotonergic nerve terminals spared by 5,7–dihydroxytryptamine. Stachowiak MK, et al. **Biochem Pharmacol** 1986 Apr 15; 35(8):1241–8

ANTAGONISTS & INHIBITORS

Antidepressant effect of a tryptophan hydroxylase activation inhibitor, AGN 2979 [letter] Clerc G, et al. **Am J Psychiatry** 1986 Feb;143(2):264–5
AGN 2979 [3(3–methoxyphenyl)–3–(3–dimethylaminopropyl)–4, 4–dimethylpiperidine–2,6–dione]. An inhibitor of the activation of tryptophan hydroxylase. Boadle–Biber MC, et al. **Biochem Pharmacol** 1986 May 1;35(9):1521–6
Effect of 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine (MPTP) on striatal tyrosine hydroxylase and tryptophan hydroxylase in rat. Matsuda LA, et al. **Neuropharmacology** 1986 Mar;25(3):249–55

GENETICS

[Interaction of genetic and environmental components in the determination of tryptophan hydroxylase activity in the mouse brain in stress] Kulikov AV, et al. **Genetika** 1985 Oct;21(10):1680–4 (Eng. Abstr.) **(Rus)**

METABOLISM

Postnatal developmental changes of tryptophan hydroxylase activity in serotonergic cell bodies and terminals of rat brain. Park DH, et al. **Brain Res** 1986 Jul 16;378(1):183–5
[Tryptophan–5–hydroxylase activity in the rabbit brain synaptosomes at different times after the single administration of the opioid peptide Tyr–D–Ala–Gly–Phe–NH2] Uzbekov MG. **Biull Eksp Biol Med** 1986 Feb;101(2):159–60 (Eng. Abstr.) **(Rus)**
[Tryptophan hydroxylase activity in the brain of inbred mice and the resistance of the gastric mucosa to emotional stress] Koriakina LA, et al. **Patol Fiziol Eksp Ter** 1986 Mar–Apr; (2):49–53 (Eng. Abstr.) **(Rus)**

TRYPTOPHAN MONOOXYGENASE see **TRYPTOPHAN HYDROXYLASE**

TRYPTOPHAN OXYGENASE

ANALYSIS

Immunohistochemically demonstrated suppressed expression of tryptophan oxygenase, a marker for liver differentiation, within putative preneoplastic rat liver lesions. Moore MA, et al. **Carcinogenesis** 1986 Aug;7(8):1393–6

BIOSYNTHESIS

11–Deoxycortisol induces hepatic tryptophan oxygenase in rats. Gjerde H, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Jul;57(1):36–9
Precocious induction of tryptophan dioxygenase by glucocorticoid in suckling rats and correlation with change in glucocorticoid receptor. Hirota T, et al. **Biochim Biophys Acta** 1985 Oct 17;842(2–3):195–201
A new glucocorticoid receptor species: relation to induction of tryptophan dioxygenase by glucocorticoids. Hirota T, et al. **Endocrinology** 1985 Nov;117(5):1788–95

GENETICS

The effect of age on the induction of tyrosine aminotransferase and tryptophan oxygenase genes by physiological stress. Wellinger R, et al. **Mech Ageing Dev** 1986 Apr;34(2):203–17

METABOLISM

The influence of side chain modifications of the heme moiety on prosthetic acceptance and function of rat hepatic cytochrome P–450 and tryptophan pyrrolase. Bornheim LM, et al. **Arch Biochem Biophys** 1986 Apr;246(1):63–74
Effect of acetaldehyde treatment in vivo on rat liver tryptophan oxygenase and tyrosine aminotransferase activities. Shiohara E, et al. **Arukoru Kenkyuto Yakubutsu Ison** 1985 Dec;20(4):388–94
Tryptophan pyrrolase in heme metabolism. Comparative actions of inorganic tin and cobalt and their protoporphyrin chelates on tryptophan pyrrolase in liver. Sardana MK, et al. **Biochem Pharmacol** 1986 Feb 1;35(3):473–8
Developmental control of gene expression of tryptophan 2,3–dioxygenase in neonatal rat liver. Nagao M, et al. **Biochim Biophys Acta** 1986 Aug 22;867(4):179–86
Effect of scalding on tryptophan catabolism in rats. Guo JS, et al. **Chin Med J [Engl]** 1985 Aug;98(8):587–90
Separation of tryptophan pyrrolooxygenase into three molecular forms. A study of their substrate specificities using tryptophyl–containing peptides and proteins. Camoretti–Mercado B, et al. **Eur J Biochem** 1986 Apr 15; 156(2):317–25
The antiglucocorticoid RU486 inhibits the ethanol–induced increase of tryptophan oxygenase. Gjerde H, et al. **J Steroid Biochem** 1985 Dec;23(6A):1091–2
[Tryptophan metabolism in liver diseases: a pharmacokinetic and enzymatic study] Rössle M, et al. **Klin Wochenschr** 1986 Jul 1;64(13):590–4 (Eng. Abstr.) **(Ger)**
[Activity of tryptophan pyrrolase and features of its regulation in rats with high audiogenic excitability] Sergienko NG, et al. **Fiziol Zh** 1985 Nov–Dec;31(6):730–3 **(Rus)**
[The effect of sex factors on the interaction of progesterone and glucocorticoids during increased tyrosine aminotransferase and tryptophane pyrrolase activity in the liver in rats] Németh S. **Bratisl Lek Listy** 1986 Jan; 85(1):19–23 (Eng. Abstr.) **(Slo)**

TRYPTOPHAN PYRROLASE see **TRYPTOPHAN OXYGENASE**

TRYPTOPHAN SYNTHASE

Identification of three sites of proteolytic cleavage in the hinge region between the two domains of the beta 2 subunit of tryptophan synthase of Escherichia coli or Salmonella typhimurium. Ahmed SA, et al. **Biochemistry** 1986 Jun 3; 25(11):3118–24

ANTAGONISTS & INHIBITORS

Photoinactivation and photoaffinity labeling of tryptophan synthase alpha 2 beta 2 complex by the product analogue 6–azido–L–tryptophan. Miles EW, et al. **Biochemistry** 1985 Aug 13;24(17):4694–703
Differential inhibition of tryptophan synthase and of tryptophanase by the two diastereoisomers of 2,3–dihydro–L–tryptophan. Implications for the stereochemistry of the reaction intermediates. Phillips RS, et al. **J Biol Chem** 1985 Nov 25;260(27):14665–70

GENETICS

Effects of the phenylalanine–22——leucine, glutamic acid–49——methionine, glycine–234——aspartic acid, and glycine–234——lysine mutations on the folding and stability of the alpha subunit of tryptophan synthase from Escherichia coli. Beasty AM, et al. **Biochemistry** 1986 May 20;25(10):2965–74
Sequence verification of mutant codon assignments in trpA of Escherichia coli. Tucker SD, et al. **DNA** 1986 Apr; 5(2):123–8
Induction of specific base–pair substitutions in E. coli trpA mutants by chloroethylene oxide, a carcinogenic vinyl chloride metabolite. Barbin A, et al. **Mutat Res** 1985 Nov–Dec;152(2–3):147–56

METABOLISM

Thermodynamics of the reactions catalyzed by the multifunctional enzyme complex tryptophan synthase. Wiesinger H, et al. **Arch Biochem Biophys** 1985 Nov 1; 242(2):440–6
Characterization of an early intermediate in the folding of the alpha subunit of tryptophan synthase by hydrogen exchange measurement. Beasty AM, et al. **Biochemistry** 1985 Jul 2;24(14):3547–53
Conformational effects of ligand binding on the beta 2 subunit of Escherichia coli tryptophan synthase analyzed with monoclonal antibodies. Djavadi–Ohaniance L, et al. **Biochemistry** 1986 May 6;25(9):2502–8
Characterization of the reaction of L–serine and indole with Escherichia coli tryptophan synthase via rapid–scanning ultraviolet–visible spectroscopy. Drewe WF Jr, et al. **Biochemistry** 1986 May 6;25(9):2494–501
Detection and identification of intermediates in the reaction of L–serine with Escherichia coli tryptophan synthase via rapid–scanning ultraviolet–visible spectroscopy. Drewe WF Jr, et al. **Biochemistry** 1985 Jul 16;24(15):3977–87
Hydrogen exchange kinetics and the mechanism of reaction B of yeast tryptophan synthase. Turner PD, et al. **Biochim Biophys Acta** 1985 Dec 20;832(3):280–7
Production of a novel tryptophan analog, beta–1–indazole–L–alanine with tryptophan synthase of Escherichia coli. Tanaka H, et al. **FEBS Lett** 1986 Feb 17;196(2):357–60

TRYPTOPHAN SYNTHETASE see **TRYPTOPHAN SYNTHASE**

TRYPTOPHANASE see under **LYASES**

TRYPTOPHANYL T RNA SYNTHETASE see under **AMINO ACYL T RNA SYNTHETASES**

TSETSE FLIES

Distribution of Glossina species in Africa. Moloo SK. **Acta Trop (Basel)** 1985 Sep;42(3):275–81
The resting breeding sites of Glossina fuscipes fuscipes (Newstead) in relation to Lantana camara thickets and coffee and banana plantations in the Busoga tsetse fly–belt, Uganda: short communication. Okoth JO. **East Afr Med J** 1985 Sep;62(9):686–8
Species identification of blood–meals from tsetse flies (Glossinidae): results 1979–1985. Staak C, et al. **Trop Med Parasitol** 1986 Mar;37(1):59–60
[Ecology of tsetse flies in the preforested area of the Ivory Coast. Relation to human trypanosomiasis and possibilities for control] Gouteux JP. **Ann Parasitol Hum Comp** 1985; 60(3):329–47 (Eng. Abstr.) **(Fre)**
[Useful predators in the biological struggle against Glossina: neuropterous planipenne insects of the family Myiodactylidae endemic in the Australian biogeographical area] Vasserot J. **Bull Soc Pathol Exot Filiales** 1986; 79(1):96–9 (Eng. Abstr.) **(Fre)**
[Socio–entomologic survey in human trypanosomiasis focus of Yamba (Peoples Republic of Congo)] Gouteux JP, et al. **Med Trop (Mars)** 1985 Jul–Sep;45(3):259–63 (Eng. Abstr.) **(Fre)**
[Tsetse flies and trypanosomiasis] **Rev Elev Med Vet Pays Trop** 1984;37 Spec No:1–314 **(Fre)**
[Release of irradiated males in the integrated campaign against Glossina in the Sideradougou pastoral area (Burkina Faso)] Cuisance D, et al. **Rev Elev Med Vet Pays Trop** 1984;37(4):449–67 (Eng. Abstr.) **(Fre)**
[Efficacy against Glossina morsitans submorsitans of screens of different colors, with or without addition of black mosquito netting] Merot P, et al. **Rev Elev Med Vet Pays Trop** 1985;38(1):64–71 (Eng. Abstr.) **(Fre)**
[Control of vectors by trapping and its impact on sleeping sickness in a zone of high density of Glossina fuscipes quanzensis (Lefini River, People's Republic of the Congo)] Gouteux JP, et al. **Trop Med Parasitol** 1986 Jun;37(2):101–4 (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

Observations on age–grouping the tsetse fly, Glossina pallidipes, by wing–fray and ovarian dissection, on the south Kenya coast. Snow WF, et al. **Ann Trop Med Parasitol** 1985 Aug;79(4):457–61

DRUG EFFECTS

[Perspectives in the use of toxic attractive systems in the battle against Glossina (Diptera, Glossinidae)] Challier A. **Rev Elev Med Vet Pays Trop** 1984;37 Spec No:31–59 (Eng. Abstr.) **(Fre)**

GENETICS

Extrachromosomal inheritance of susceptibility to trypanosome infection in tsetse flies. II. Susceptibility of selected lines of Glossina morsitans morsitans to different stocks and species of trypanosome. Maudlin I, et al. **Ann Trop Med Parasitol** 1986 Feb;80(1):97–105

GROWTH & DEVELOPMENT

Large scale rearing of tsetse flies (Diptera, Glossinidae) in the C.R.T.A. Bobo–Dioulasso, Burkina based on in vitro feeding techniques. Bauer B, et al. **Rev Elev Med Vet Pays Trop** 1984;37 Spec No:9–17
Attraction of the tsetse fly Glossina morsitans submorsitans to acetone, 1–octen–3–ol, and the combination of these compounds in West Africa. Politzar H, et al. **Rev Elev Med Vet Pays Trop** 1984;37(4):468–73
A simple method to breed tsetse flies under field conditions.

Politzar H, et al. **Rev Elev Med Vet Pays Trop** 1984;37 Spec No:192–7

Experimental aerial release of sterile males of Glossina palpalis gambiensis and of Glossina tachinoides in a biological control operation. Politzar H, et al.
Rev Elev Med Vet Pays Trop 1984;37 Spec No:198–202

[Technical progress in the mass breeding of Glossina in Burkina] Bouchon D, et al.
Rev Elev Med Vet Pays Trop 1984;37 Spec No:18–30 (Eng. Abstr.) (Fre)

[Distribution of Glossina in the 'welcome' pastoral zone in Sideradougou, Burkina] Cuisance D, et al.
Rev Elev Med Vet Pays Trop 1984;37 Spec No:99–113 (Eng. Abstr.) (Fre)

[Cost of using insecticide screens in the integrated battle against Glossina in the pastoral area of Sideradougou, Burkina] Cuisance D, et al.
Rev Elev Med Vet Pays Trop 1984;37 Spec No:84–98 (Eng. Abstr.) (Fre)

[Glossina morsitans submorsitans Newstead 1910 in the Sudano–Guinean savannah zone in Mali. II. Spatial distribution of a population] Diallo A.
Rev Elev Med Vet Pays Trop 1984;37 Spec No:114–21 (Eng. Abstr.) (Fre)

[Glossina morsitans submorsitans Newstead 1910 in the Sudano–Guinean savannah zone in Mali. III. Diurnal resting places in the hot dry season] Diallo A.
Rev Elev Med Vet Pays Trop 1984;37 Spec No:122–9 (Eng. Abstr.) (Fre)

[The breeding of Glossina. A review] Itard J, et al.
Rev Elev Med Vet Pays Trop 1984;37 Spec No:143–75 (85 ref.) (Eng. Abstr.) (Fre)

[Impact of biconic impregnated traps on the populations of Glossina palpalis gambiensis and Glossina tachinoides. Results of a large-scale control campaign against animal trypanosomiasis in the North Ivory Coast] Kupper W, et al. **Rev Elev Med Vet Pays Trop** 1984;37 Spec No:176–85 (Eng. Abstr.) (Fre)

IMMUNOLOGY

Defence reactions of Glossina morsitans morsitans against different species of bacteria and Trypanosoma brucei brucei. Kaaya GP, et al. **Acta Trop (Basel)** 1986 Mar; 43(1):31–42

Cellular and humoral defenses of Glossina (Diptera: Glossinidae): reactions against bacteria, trypanosomes, and experimental implants. Kaaya GP, et al.
J Med Entomol 1986 Jan 24;23(1):30–43

ISOLATION & PURIFICATION

[Distribution of Glossina in the North Ivory Coast] Clair M, et al. **Rev Elev Med Vet Pays Trop** 1984;37 Spec No:60–83 (Eng. Abstr.) (Fre)

[The pyramidal trap for collecting and controlling tsetse flies (Diptera: Glossinidae). Comparative trials and description of new collecting technics] Gouteux JP, et al.
Trop Med Parasitol 1986 Mar;37(1):61–6 (Eng. Abstr.) (Fre)

MICROBIOLOGY

Properties of a novel DNA virus from the tsetse fly, Glossina pallidipes. Odindo MO, et al. **J Gen Virol** 1986 Mar;67 (Pt 3):527–36

PARASITOLOGY

The probability of tsetse acquiring trypanosome infection from single blood meal in different localities in Kenya. Tarimo SA, et al. **Acta Trop (Basel)** 1985 Sep;42(3):199–207

Procyclic tsetse fly midgut forms and culture forms of African trypanosomes share stage- and species-specific surface antigens identified by monoclonal antibodies. Richardson JP, et al. **J Immunol** 1986 Mar 15; 136(6):2259–64

Infectivity of Trypanosoma rhodesiense cultivated at 28 degrees C with various tsetse fly tissues. Cunningham I. **J Protozool** 1986 May;33(2):226–31

Action of isometamidium chloride on the insect vector form of Trypanosoma vivax. Agu WE. **Res Vet Sci** 1985 Nov; 39(3):289–91

A study on the ecology and trypanosome infection of Glossina morsitans submorsitans Newst in south Darfur, Sudan. Rahman AH, et al.
Rev Elev Med Vet Pays Trop 1984;37 Spec No:203–10

The behaviour of trypanosomes in Liberian tsetse [letter] Ellis DS, et al. **Trans R Soc Trop Med Hyg** 1985;79(6):883–4

The behaviour of trypanosomes within the midguts of wild-caught tsetse from Zimbabwe. Ellis DS, et al.
Trans R Soc Trop Med Hyg 1985;79(6):867–8

Maintaining zebu Maure cattle in a tsetse infested area of Mali. II. Epidemiological considerations. Goodwin JT, et al. **Trop Anim Health Prod** 1986 Feb;18(1):1–12

Characterization of potentially man-infective Trypanosoma brucei from an endemic area of sleeping sickness in Kenya. Otieno LH, et al. **Trop Med Parasitol** 1985 Sep;36(3):125–6

Susceptibility and immune responses of Zebu and taurine cattle of West Africa to infection with Trypanosoma congolense transmitted by Glossina morsitans centralis. Akol GW, et al. **Vet Immunol Immunopathol** 1986 Apr; 11(4):361–73

Association between intracellular rickettsial-like infections of midgut cells and susceptibility to trypanosome infection in Glossina spp. Maudlin I, et al. **Z Parasitenkd** 1985; 71(5):683–7

[Probable number of Trypanosoma (Nannomonas) congolense transmitted by Glossina morsitans] Mawuena K, et al. **Rev Elev Med Vet Pays Trop** 1984;37 Spec No:186–91 (Eng. Abstr.) (Fre)

PATHOGENICITY

Chemoprophylaxis: Boran cattle can be productive under high tsetse challenge. Trail JC, et al.
Rev Elev Med Vet Pays Trop 1984;37 Spec No:270–5

[Glossina morsitans submorsitans Newstead 1910 in the Sudano–Guinean savannah zone in Mali. IV. Role in the transmission of trypanosomes in a N'dama cattle–raising ranch in Madina Diassa] Diallo A.
Rev Elev Med Vet Pays Trop 1984;37 Spec No:130–42 (Eng. Abstr.) (Fre)

PHYSIOLOGY

Efficacy of ivermectin on the reproductive biology of Glossina palpalis palpalis (Rob.-Desv.) (Glossinidae: Diptera). van den Abbeele J, et al.
Ann Soc Belg Med Trop 1986;66(2):167–72

Survival and reproductive performance of female Glossina morsitans morsitans when maintained on livestock infected with Salivarian trypanosomes. Moloo SK, et al.
Ann Trop Med Parasitol 1985 Apr;79(2):223–4

Studies on the biochemical basis of the nutritional quality of tsetse fly diets. Kabayo JP, et al.
Comp Biochem Physiol [A] 1986;83(1):133–9

The occurrence of cuticular lesions (cicatrices) of Glossina species in the field. Ryan L.
Rev Elev Med Vet Pays Trop 1984;37 Spec No:211–7

TSH see **THYROTROPIN**

TSUTSUGAMUSHI see **SCRUB TYPHUS**

TUBAL LIGATION see **STERILIZATION, TUBAL**

TUBE FEEDING see **ENTERAL FEEDING**

TUBER CINEREUM see under **HYPOTHALAMUS**

TUBERCIDIN see under **RIBONUCLEOSIDES**

TUBERCULIN

ADMINISTRATION & DOSAGE

Apparent increased sensitivity of mice to tuberculin by adding a non-specific inflammatory agent to the antigen. Marchal G, et al. **Tubercle** 1986 Mar;67(1):61–7

[Value of subcutaneous administration of tuberculin as a test in the differential diagnosis of pulmonary tuberculosis] Mel'nikov VP. **Probl Tuberk** 1985;(9):67–9 (Rus)

[Effect of tuberculin on the hemodynamics of the lesser circulation in patients with pulmonary tuberculosis] Ershov AI, et al. **Sov Med** 1985;(11):9–13 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Life threatening reaction to tuberculin testing. Spiteri MA, et al. **Br Med J [Clin Res]** 1986 Jul 26;293(6541):243–4

ANALYSIS

The utility of the macrophage migration inhibition test for in vitro titration of tuberculins. Nyabenda J, et al.
J Biol Stand 1985 Oct;13(4):345–53

DIAGNOSTIC USE

ELISA of IgG antibody to M. tuberculosis antigen 5 for serodiagnosis of tuberculosis. Daniel TM, et al.
Indian J Pediatr 1985 Jul-Aug;52(417):349–55

In vitro lymphocytic stimulation with PPD. Spyropoulos KB, et al. **Respiration** 1985;48(2):168–72

IMMUNOLOGY

Preparation of tuberculin antigen L. Romain F, et al.
Ann Inst Pasteur Microbiol 1985 Sep-Oct;136B(2):235–48

Frequency of tuberculin-reactive T-lymphocytes in pleural fluid and blood from patients with tuberculous pleurisy. Fujiwara H, et al. **Chest** 1986 Apr;89(4):530–2

Raising antibodies by coupling peptides to PPD and immunizing BCG-sensitized animals. Lachmann PJ, et al. **Ciba Found Symp** 1986;119:25–57 (53 ref.)

Human monoclonal antibody to purified protein derivative of tuberculin produced by hybrids constructed with Epstein-Barr virus-transformed B lymphocytes and mouse myeloma cells. Garzelli C, et al. **Eur J Immunol** 1986 May; 16(5):584–7

A study on class II antigens involved in the T cell proliferative responses to PPD using cross-reacting monoclonal antibodies in human and murine system. Ogasawara K, et al. **Immunobiology** 1986 Mar; 171(1-2):112–24

Interferon production in BCG-sensitized rabbits challenged with PPD. Pessina GP, et al. **Immunol Lett** 1985; 10(6):315–8

Lack of tuberculin activity of synthetic peptides. Toida I, et al. **Infect Immun** 1985 Dec;50(3):614–9

Comparative testing of skin reactions to PPD mycobacterins from Mycobacterium tuberculosis and Mycobacterium scrofulaceum in school-age children. Svandová E, et al.
J Hyg Epidemiol Microbiol Immunol 1984;29(3):275–81

Functional analysis in vitro and in vivo of Mycobacterium bovis strain BCG-specific T cell clones. Pedrazzini T, et al. **J Immunol** 1986 Mar 1;136(5):1828–34

M. leprae and PPD-triggered T cell lines in tuberculoid and lepromatous leprosy. Shankar P, et al. **J Immunol** 1986 Jun 1;136(11):4255–63

Direct stimulation of monocyte release of interleukin 1 by mycobacterial protein antigens. Wallis RS, et al.
J Immunol 1986 Jan;136(1):193–6

Detection of antibodies to protein purified derivate (PPD) for early diagnosis of tuberculous meningitis. Inostroza J, et al. **Prax Klin Pneumol** 1986 Mar;40(3):94–5

[Studies on leukocyte procoagulant activity antigenically stimulated by purified protein derivative and varicella virus antigen] Okada M, et al. **Arerugi** 1985 Oct;34(10):955–61 (Eng. Abstr.) (Jpn)

[Mechanisms of impaired in-vitro lymphocyte transformation in response to PPD in patients with primary biliary cirrhosis] Saibara T, et al.
Nippon Shokakibyo Gakkai Zasshi 1985 Oct;82(10):2576–81 (Eng. Abstr.) (Jpn)

[Tuberculin reactions] Moskwa Z. **Wiad Lek** 1985 May 15; 38(10):719–23 (17 ref.) (Pol)

[Activity and specificity of tuberculins derived from BCG culture filtrates] Levi DT, et al. **Probl Tuberk** 1985;(9):60–3 (Eng. Abstr.) (Rus)

[Use of the leukocyte reaction to tuberculin and immunoglobulin determination in the diagnosis of primary tuberculous infection in children] Savvateeva VG.
Probl Tuberk 1985;(11):19–23 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Cell mediated PPD specific cytotoxicity against human monocyte targets: II. IL-2 expansion improves the strength and discriminatory power of CTLs used for cellular typing. Hansen PW, et al. **Tissue Antigens** 1986 Apr;27(4):217–26

Cell mediated PPD specific cytotoxicity against human monocyte targets: III. Cellular typing with CTLs restricted by class II HLA antigens. Hansen PW, et al.
Tissue Antigens 1986 Apr;27(4):227–38

THERAPEUTIC USE

[Effectiveness of tuberculin in the combined treatment of pulmonary tuberculosis patients] Burukhina LV, et al.
Probl Tuberk 1985;(8):31–3 (Eng. Abstr.) (Rus)

TUBERCULIN TEST

The cumulative risk of tuberculin skin test conversion for five years of hospital employment. Ktsanes VK, et al.
Am J Public Health 1986 Jan;76(1):65–7

A demonstration of lack of variability among six tuberculin skin test readers. Perez-Stable EJ, et al.
Am J Public Health 1985 Nov;75(11):1341–3

Tuberculin sensitivity in rural Gambian children. Elliott A, et al. **Ann Trop Paediatr** 1985 Dec;5(4):185–9

Anergy in tuberculosis. Margolis ML, et al.
Biomed Pharmacother 1985;39(6):292–8

Tuberculin reactivity in a chest clinic: the effects of age and prior BCG vaccination. Capewell S, et al.
Br J Dis Chest 1986 Jan;80(1):37–44

Life threatening reaction to tuberculin testing. Spiteri MA, et al. **Br Med J [Clin Res]** 1986 Jul 26;293(6541):243–4

Tuberculin testing in the young. Kendig EL Jr.
Compr Ther 1986 Feb;12(2):66–70

Patterns of blood flow in the microcirculation of the skin during the course of the tuberculin reaction in normal human subjects. Swanson Beck J, et al. **Immunology** 1986 Jun;58(2):209–15

A critical evaluation of B.C.G. test applicability in pediatric practice. Mehta R, et al. **Indian Pediatr** 1986 Jun; 23(6):419–28

Tuberculin sensitivity in rural children. Nagesh S, et al.
Indian Pediatr 1985 Apr;22(4):293–7

Management of the incidentally discovered tuberculin reactor. Covelli HD. **Indiana Med** 1986 Apr;79(4):354–7

A comparison of the effects of hydrocortisone on peritoneal inflammatory exudates, the tuberculin reaction and contact sensitivity-to DNFB in the guinea pig. Gupta SK, et al.
Int J Immunopharmacol 1985;7(5):705–12

Giant reactions to tuberculin in lepromatous leprosy patients. Waters MF, et al. **Int J Lepr Other Mycobact Dis** 1985 Dec;53(4):546–53

Participation by health professional students in tuberculin screening. Cameron PW. **J Am Coll Health** 1986 Jun; 34(6):288–9

Effectiveness of tuberculin skin test screening in a rural family practice. Cornell JT, et al. **J Fam Pract** 1985 Dec; 21(6):455–9

Low prevalence of the booster phenomenon in nursing-home employees in Maryland. Gross TP, et al. **Md Med J** 1986 Feb;35(2):107–9

Tuberculin testing for persons with positive serologic studies for HTLV-III [letter] Pitchenik AE, et al.
N Engl J Med 1986 Feb 13;314(7):447

Tuberculin skin test reactivity and conversions in United

States- and foreign-born Latino children. Perez-Stable EJ, et al. **Pediatr Infect Dis** 1985 Sep-Oct;4(5):476-9

Notification of tuberculosis [letter] Collins TF. **S Afr Med J** 1985 Dec 21;68(13):914

Notification of tuberculosis [letter] Fourie PB. **S Afr Med J** 1986 Feb 15;69(4):218-9

[Identification of atypical mycobacterium infections by PPD-B skin tests] Dong MX. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Feb;9(1):48-50 (17 ref.) (Chi)

[Diagnostic value of the intradermal tuberculin reaction in the adult, in Zaire] Mizerero M, et al. **Rev Mal Respir** 1986; 3(2):99-103 (Eng. Abstr.) (Fre)

[Can tuberculin testing replace the x-ray study?] Matthiessen W, et al. **Off Gesundheitswes** 1985 Sep;47(9):463-7 (Ger)

[Tuberculin testing and BCG vaccination of medical students in Zurich] Boppart I, et al. **Schweiz Rundsch Med Prax** 1985 Dec 24;74(52):1458-9 (Eng. Abstr.) (Ger)

[Epidemic of tuberculosis estimated from the distribution of reactions to PPD skin test] Nakamura T, et al. **Kekkaku** 1985 Sep;60(9):463-8 (Eng. Abstr.) (Jpn)

[Tuberculin reactions] Moskwa Z. **Wiad Lek** 1985 May 15; 38(10):719-23 (17 ref.) (Pol)

[Tuberculin and distreptase tests in children with bronchial asthma] Szczepanowska A, et al. **Wiad Lek** 1986 Apr 1; 39(7):449-54 (Eng. Abstr.) (Pol)

[Development of risk of tuberculosis in an area with high BCG coverage] Arantes GR, et al. **Rev Saude Publica** 1985 Apr;19(2):95-107 (Eng. Abstr.) (Por)

[Subcutaneous provocation tuberculin test used in the tuberculosis department of the Amur tuberculosis dispensary] Shkurlatovskaia TN, et al. **Akush Ginekol (Mosk)** 1985 Jul;(7):63 (Rus)

[Potentials for enhancing the diagnostic value of provocation tests in tuberculosis of the female genitalia] Patrikian IT, et al. **Probl Tuberk** 1985;(12):28-31 (Eng. Abstr.) (Rus)

[Immunological criteria of the indications for performing prophylactic chemotherapy in persons with a hyperergic Mantoux test] Petrashenko AI. **Vrach Delo** 1985 Jul; (7):31-3 (Eng. Abstr.) (Rus)

[The booster effect (letter)] Navia-Osorio JM. **Med Clin (Barc)** 1986 May 31;87(1):42-3 (Spa)

[Field study of a lyophilized BCG vaccine] Azzini I, et al. **Rev Chil Pediatr** 1985 Jul-Aug;56(4):234-7 (Eng. Abstr.) (Spa)

INSTRUMENTATION

[Results and characteristics of the BI-IM jet injector for conducting mass Mantoux tests with 2 TU] Shvartser IS, et al. **Probl Tuberk** 1986;(6):6-10 (Eng. Abstr.) (Rus)

METHODS

Tuberculosis in the elderly [letter] MacGregor RR. **N Engl J Med** 1985 Nov 28;313(22):1420-1

STANDARDS

Measurement of skin swelling in the tuberculin test by ultrasonography. Beck JS, et al. **J Immunol Methods** 1986 Jan 22;86(1):125-30

VETERINARY

Application of the comparative cervical test to the identification of false positive reactions to the bovine tuberculin caudal fold test. Duffield BJ, et al. **Aust Vet J** 1985 Dec;62(12):424-6

Suppression of skin reactivity to bovine tuberculin in repeat tests. Radunz BL, et al. **Aust Vet J** 1985 Jun;62(6):191-4

Pulmonary lesions and Mycobacterium bovis excretion from the respiratory tract of tuberculin reacting cattle. McIlroy SG, et al. **Vet Rec** 1986 Jun 28;118(26):718-21

Radiometric detection of mycobacteria in abattoir specimens taken from tuberculin reactive cattle. Neill SD, et al. **Vet Rec** 1986 Mar 15;118(11):304-6

TUBERCULIN-TYPE HYPERSENSITIVITY see **HYPERSENSITIVITY, DELAYED**

TUBERCULOMA

Cerebellar tuberculoma: a rare disease in an industrialized country. Haase J, et al. **Childs Nerv Syst** 1985;1(5):295-7

Intramedullary tuberculoma. Srinivasan T, et al. **J Assoc Physicians India** 1985 Sep;33(9):609-10

COMPLICATIONS

Myocardial tuberculoma with rupture and pseudoaneurysm formation—successful surgical treatment. Halim MA, et al. **Br Heart J** 1985 Dec;54(6):603-4

[Multilocular round opacity in the right hemithorax] Citro A, et al. **Arch Monaldi** 1984 Sep-Dec;39(5-6):427-31 (Eng. Abstr.) (Ita)

[Unusual finding of a calcified mediastinal mass of tuberculous origin] Dore R, et al. **Radiol Med (Torino)** 1986 Jan-Feb;72(1-2):59-61 (Ita)

[Peripheral cancer of the lung and tuberculosis] Kodolova IM, et al. **Arkh Patol** 1986;48(3):52-60 (Eng. Abstr.) (Rus)

DIAGNOSIS

Bleeding into solitary hepatic tuberculoma. Report of a case treated by resection. Procházka M, et al. **Acta Chir Scand** 1986 Jan;152:73-5

Paraspinal granuloma. Sekaran VI, et al. **J Indian Med Assoc** 1985 Jun;83(6):215-6

Tuberculoma of the eye; a case report. Ayanru JO, et al. **Trop Geogr Med** 1986 Sep;38(3):301-4

[Cerebellar tuberculoma. A rare case in an industrialized community] Christensen PB, et al. **Ugeskr Laeger** 1985 Jul 15;147(29):2349-50 (Eng. Abstr.) (Dan)

[Analysis of pulmonary tuberculomas diagnosed by exploratory excision] Arai T, et al. **Kekkaku** 1986 Jan; 61(1):1-7 (Eng. Abstr.) (Jpn)

[Multiple intracranial tuberculomas presenting bitemporal hemianopsia, developing during successful treatment of tuberculous meningitis] Takahashi H, et al. **Rinsho Shinkeigaku** 1986 May;26(5):514-22 (Eng. Abstr.) (Jpn)

[Diagnosis and treatment of pulmonary tuberculomas] Uspenskil LV, et al. **Khirurgiia (Mosk)** 1986 May;(5):11-5 (Eng. Abstr.) (Rus)

[Differential diagnosis of pulmonary hamartoma and tuberculoma] Ivannikov ID. **Klin Khir** 1985;(10):38-40 (Eng. Abstr.) (Rus)

DRUG THERAPY

Intracranial tuberculomas in a child: regression on the CT scan under conservative therapy. Rossi LN, et al. **Neuropediatrics** 1985 Nov;16(4):228-30

[Results obtained with the drug and surgical treatment of exclusive renal tuberculoma with uni- or bilateral polar localization] Stoica S, et al. **Rev Med Chir Soc Med Nat Iasi** 1985 Jan-Mar;89(1):57-9 (Eng. Abstr.) (Rum)

IMMUNOLOGY

[Differential immunodiagnosis of tuberculomas and nonspecific pneumonias] Ladnyl AIa, et al. **Lab Delo** 1985; (11):689-90 (Eng. Abstr.) (Rus)

[Immune reactivity of blood lymphocytes in infiltrative tuberculosis and tuberculoma] Gudz' EA, et al. **Vrach Delo** 1986 Jan;(1):47-9 (Eng. Abstr.) (Rus)

MICROBIOLOGY

[Hepatic tuberculoma caused by Mycobacterium fortuitum. Report of a case] Sada E, et al. **Rev Invest Clin** 1985 Oct-Dec;37(4):359-62 (Eng. Abstr.) (Spa)

PATHOLOGY

Intradural extramedullar tuberculoma of spinal cord. Case report. Garcia Allut A, et al. **J Neurosurg Sci** 1985 Apr-Jun;29(2):113-5

Intracranial tuberculoma in Lagos, Nigeria. Danesi MA, et al. **Trop Geogr Med** 1985 Sep;37(3):279-80

[Cystic cerebral tuberculoma—a case report] Kunishio K, et al. **No Shinkei Geka** 1986 Mar;14(3 Suppl):429-34 (Eng. Abstr.) (Jpn)

[A case report of intracerebral tuberculoma during antituberculous therapy] Yamamoto N, et al. **No Shinkei Geka** 1985 Sep;13(9):1007-11 (Eng. Abstr.) (Jpn)

[Results of bacterioscopy of unstained smears of the contents of a pulmonary tuberculoma in indirect light] Potoskuev IuA. **Probl Tuberk** 1985;(7):64-7 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

[Respiratory biomechanics and pulmonary scintigraphy data of pulmonary tuberculoma patients before and after surgical treatment] Strelis AK, et al. **Grudn Khir** 1985 Nov-Dec; (6):57-60 (Eng. Abstr.) (Rus)

[Respiratory biomechanics and the state of pulmonary capillary blood flow in tuberculoma patients] Strelis AK, et al. **Probl Tuberk** 1985;(10):20-3 (Eng. Abstr.) (Rus)

[Respiratory mechanics in patients with pulmonary tuberculoma] Mulik LI. **Vrach Delo** 1985 Sep;(9):78-80 (Eng. Abstr.) (Rus)

RADIOGRAPHY

Computed tomography in CNS tuberculosis. Trautmann M, et al. **Eur Neurol** 1986;25(2):91-7

Intracranial tuberculoma and the CT scan. Vengsarkar US, et al. **J Neurosurg** 1986 Apr;64(4):568-74

[Multiple cerebral tuberculomas. X-ray computed tomographic diagnosis and follow-up: a case] Mocquard Y, et al. **Ann Med Interne (Paris)** 1985;136(5):405-8 (Eng. Abstr.) (Fre)

[Computerized tomography of intracranial tuberculous lesions. 2 case reports] Nicola N, et al. **Neurochirurgia (Stuttg)** 1986 Jul;29(4):111-3 (Eng. Abstr.) (Ger)

[An old calcified tuberculoma of the lower brain stem] Nakagawa T, et al. **Rinsho Shinkeigaku** 1985 Sep; 25(9):1089-92 (Eng. Abstr.) (Jpn)

[Clinical x-ray and immunological parallels in pulmonary tuberculomas] Gudz' EA. **Probl Tuberk** 1986;(1):24-6 (Eng. Abstr.) (Rus)

[Clinical x-ray indices of pulmonary tuberculoma activity] Gudz' EA. **Probl Tuberk** 1985;(8):19-24 (Eng. Abstr.) (Rus)

[Computerized tomography in the diagnosis of tuberculomas and infiltrative pulmonary tuberculosis] Koriakin VA, et al. **Probl Tuberk** 1986;(2):22-4 (Eng. Abstr.) (Rus)

[Cerebellar tuberculoma. Clinical and radiological course] Román M, et al. **An Esp Pediatr** 1986 Feb;24(2):125-8 (Eng. Abstr.) (Spa)

SURGERY

[Pathogenesis, diagnosis and treatment of postoperative intrapleural hemorrhages in patients subjected to surgery for tuberculosis and other pulmonary pathology] Bruker IE, et al. **Grudn Khir** 1985 Jul-Aug;(4):46-8 (Rus)

THERAPY

Management of intracranial tuberculoma in children. Bhagwati SN, et al. **Childs Nerv Syst** 1986;2(1):32-4

TUBERCULOSIS

Cytomorphology of tuberculous mastitis. A report of nine cases with fine needle aspiration cytology. Jayaram G. **Acta Cytol (Baltimore)** 1985 Nov-Dec;29(6):974-8

Tuberculosis of the breast: rare but still extant. Review of the literature and report of an additional case. Hale JA, et al. **Am J Surg** 1985 Nov;150(5):620-4

Proceedings of the XXVth world conference of the IUAT (International Union Against Tuberculosis)—final. Buenos Aires, 15-18 December 1982. **Bull Int Union Tuberc** 1985 Sep-Dec;60(3-4):100-36

A computerised register for tuberculosis notifications. Bandaranayake R, et al. **Public Health** 1986 May; 100(3):180-3

[61st annual meeting of the Japanese Society for Tuberculosis. Abstracts] **Kekkaku** 1986 Mar;61(3):95-241 (Jpn)

[Basic trends in the journal Problemy tuberkuleza in 1986] **Probl Tuberk** 1986;(1):3-6 (Rus)

[Survey of the doctoral dissertations on the topic of phthisiatrics approved by the Higher Attestation Commission of the USSR in 1984] Khudushina TA. **Probl Tuberk** 1985;(12):59-63 (Rus)

[Principles of recruiting physician groups for advanced training lecture series in phthisiatrics] Smirnov GA, et al. **Probl Tuberk** 1985;(12):10-3 (Eng. Abstr.) (Rus)

[Tuberculosis of the tonsils] Udovički J, et al. **Med Pregl** 1985;38(7-8):373-5 (Eng. Abstr.) (Scr)

CEREBROSPINAL FLUID

Evidence for an informal clinical policy resulting in high use of a very-low-yield test. Rich EC, et al. **Am J Med** 1985 Nov;79(5):577-82

COMPLICATIONS

Pulmonary scar cancer. A pathologic reappraisal. Kung IT, et al. **Am J Surg Pathol** 1985 Jun;9(6):391-400

Tuberculosis of the pancreas: a rare cause of massive gastrointestinal bleeding. Fan ST, et al. **Br J Surg** 1986 May;73(5):373

Mycobacterium avium-intracellulare infection and immunoblastic sarcoma in a fatal case of AIDS. Cantwell AR Jr. **Growth** 1986 Spring;50(1):32-40

Mycobacterium bovis BCG vaccine fails to protect protein-deficient guinea pigs against respiratory challenge with virulent Mycobacterium tuberculosis. McMurray DN, et al. **Infect Immun** 1985 Nov;50(2):555-9

Mycobacterium avium-complex infections and development of the acquired immunodeficiency syndrome: casual opportunist or causal cofactor? Collins FM. **Int J Lepr Other Mycobact Dis** 1986 Sep;54(3):458-74 (130 ref.)

Clinical experience with short-course chemotherapy in patients with tubercular pleural effusion and lymphadenitis. Malik SK, et al. **Respiration** 1985;48(2):173-5

[A case of tuberculosis of the pancreas and peritoneum in alcoholic liver cirrhosis] Platek H, et al. **Wiad Lek** 1986 Apr 15;39(8):555-7 (Eng. Abstr.) (Pol)

CONGENITAL

Diagnostic criteria of congenital tuberculosis [letter] Corrall CJ. **Am J Dis Child** 1986 Aug;140(8):739-41

DIAGNOSIS

Fine needle aspiration biopsy in the diagnosis of tuberculosis. Bailey TM, et al. **Acta Cytol (Baltimore)** 1985 Sep-Oct; 29(5):732-6

Bronchoscopy and Bactec for the diagnosis of tuberculosis. State of the art, or a brief dissertation on the efficient search for the tubercle bacillus? [editorial] Neff TA. **Am Rev Respir Dis** 1986 Jun;133(6):962

Hazardous clinical judgment in tuberculosis [letter] Runyon EH. **Am Rev Respir Dis** 1986 Jan;133(1):175

Tuberculin reactivity in a chest clinic: the effects of age and prior BCG vaccination. Capewell S, et al. **Br J Dis Chest** 1986 Jan;80(1):37-44

Tuberculosis of the oesophagus masquerading as ulcerated tumour. de Mas R, et al. **Endoscopy** 1986 Jul;18(4):153-5

Radiometric diagnosis of mycobacteria. Laszlo A, et al. **Eur J Clin Microbiol** 1986 Apr;5(2):152-5

Abdominal tuberculosis. Schofield PF. **Gut** 1985 Dec; 26(12):1275-8 (22 ref.)

Diagnosis of a primary complex. Rao AV, et al. **Indian J Pediatr** 1985 Mar-Apr;52(415):175-6

Tuberculosis of the middle ear. Chaturvedi VN, et al. **Indian Pediatr** 1986 Mar;23(3):199–204

Tuberculosis surveillance in hospital employees: are we doing too much?[editorial] Lowenthal G, et al. **Infect Control** 1986 Apr;7(4):209–11

Comparison between tuberculoproteins A and C in the serodiagnosis of tuberculosis by enzyme–linked immunosorbent assay. Affronti LF, et al. **Int Arch Allergy Appl Immunol** 1986;80(1):81–4

Improved serodiagnosis of tuberculosis using two assay test. Krambovitis E, et al. **J Clin Pathol** 1986 Jul;39(7):779–85

Aural tuberculosis: a series of 25 patients. Ramages LJ, et al. **J Laryngol Otol** 1985 Nov;99(11):1073–80

Tuberculosis of peripheral joints: an often missed diagnosis. Evanchick CC, et al. **J Rheumatol** 1986 Feb;13(1):187–9

Diagnostic significance of cancer antigen 125, pancreatic oncofetal antigen, and carcinoembryonic antigen in malignant and tuberculous pleural effusions. Niwa Y, et al. **Jpn J Clin Oncol** 1986 Mar;16(1):3–8

Tuberculosis of the middle ear and mostoid antrum in a child: a case report. Reddy MR, et al. **Med J Zambia** 1984 Jun; 18(2):22–3

Diagnosis and management of mycobacterial infection and disease in persons with human T–lymphotropic virus type III/lymphadenopathy–associated virus infection. **MMWR** 1986 Jul 18;35(28):448–52

Tuberculosis in the elderly [letter] MacGregor RR. **N Engl J Med** 1985 Nov 28;313(22):1420–1

Tuberculosis—certainly not a disease of the past! [editorial] Cook GC. **Q J Med** 1985 Sep;56(221):519–21

Tuberculosis of the middle ear: review of the literature with an instructive case report. Skolnik PR, et al. **Rev Infect Dis** 1986 May–Jun;8(3):403–10 (61 ref.)

Parotid tumour as a presenting symptom of tuberculosis. A report of 2 cases. Yaniv E, et al. **S Afr Med J** 1985 Oct 12;68(8):613

Tuberculosis of the nasopharynx misdiagnosed as Wegener's granulomatosis. Harrison NK, et al. **Thorax** 1986 Mar; 41(3):219–20

Tuberculous otomastoiditis. Campbell BH, et al. **Wis Med J** 1985 Oct;84(10):22–3

[Diagnosis and treatment of mammary tuberculosis] Yang WL, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Jun; 23(6):365–6, 383 (Eng. Abstr.) (Chi)

[Tuberculous abscess of the psoas muscle without spinal involvement (letter)] Fur A, et al. **Presse Med** 1986 May 3;15(18):849 (Fre)

[Bilateral tuberculous abscess of the psoas without spinal involvement (letter)] Salord F, et al. **Presse Med** 1985 Dec 14;14(43):2194 (Fre)

[Diagnostic value of the intradermal tuberculin reaction in the adult, in Zaire] Mizerero M, et al. **Rev Mal Respir** 1986; 3(2):99–103 (Eng. Abstr.) (Fre)

[Tuberculosis of the head, neck and ear—a rare disease?] Strasding G, et al. **HNO** 1986 Feb;34(2):66–70 (Eng. Abstr.) (Ger)

[Value of microscopic detection of acid fast rods in tuberculosis of the middle ear] Wolf G. **Laryngol Rhinol Otol (Stuttg)** 1986 Feb;65(2):90–1 (Eng. Abstr.) (Ger)

[Diagnosis and course of tuberculosis especially from the viewpoint of clinically unknown deaths] Werner E. **Z Gesamte Inn Med** 1985 Oct 1;40(19):576–82 (Eng. Abstr.) (Ger)

[Tuberculin reactions] Moskwa Z. **Wiad Lek** 1985 May 15; 38(10):719–23 (17 ref.) (Pol)

[Diagnosis of abdominal tuberculosis] Guseinov GK, et al. **Klin Med (Mosk)** 1985 Dec;63(12):55–9 (Eng. Abstr.) (Rus)

[Significance of pathognomonic symptoms in the diagnosis of tuberculosis] Tkach IuI, et al. **Lab Delo** 1986;(2):124–7 (Eng. Abstr.) (Rus)

[Demons–Meigs syndrome] Bilyk MA, et al. **Probl Tuberk** 1985;(7):75–6 (Rus)

[Features of the course of newly diagnosed tuberculosis of the respiratory organs in adolescents and efficacy of their treatment] Burlachenko MA, et al. **Probl Tuberk** 1985; (7):37–40 (Eng. Abstr.) (Rus)

[Tuberculosis in adolescents and problems in improving its early detection] Firsova VA, et al. **Probl Tuberk** 1985; (11):4–7 (Eng. Abstr.) (Rus)

[Organization of centralized dispensary examination of patients with extrapulmonary tuberculosis and their treatment in the RSFSR] Petrov IN. **Probl Tuberk** 1985; (9):12–4 (Eng. Abstr.) (Rus)

[Tuberculosis of the palatine tonsils] Savula MM, et al. **Probl Tuberk** 1985;(5):72–3 (Rus)

[Tuberculosis of the breast] Magaletskii IF, et al. **Vrach Delo** 1985 Sep;(9):82–3 (Rus)

[Tuberculosis with endobronchial involvement] Rodríguez de Castro F, et al. **Rev Clin Esp** 1985 Nov;177(8):396–8 (Eng. Abstr.) (Spa)

[Tuberculous tenosynovitis of the hand—an overlooked diagnosis?] Ankarcrona H, et al. **Lakartidningen** 1986 May 28;83(22):2053 (Swe)

DRUG THERAPY

Long–term follow–up of a clinical trial of six–month and four–month regimens of chemotherapy in the treatment of pulmonary tuberculosis. Singapore Tuberculosis Service/British Medical Research Council. **Am Rev Respir Dis** 1986 May;133(5):779–83

American Thoracic Society. Medical Section of the American Lung Association: Treatment of tuberculosis and tuberculosis infection in adults and children. **Am Rev Respir Dis** 1986 Aug;134(2):355–63

The bioavailability of isoniazid, rifampin, and pyrazinamide in two commercially available combined formulations designed for use in the short–course treatment of tuberculosis. Eliard GA, et al. **Am Rev Respir Dis** 1986 Jun;133(6):1076–80

Rifampin–induced release of hydrazine from isoniazid. A possible cause of hepatitis during treatment of tuberculosis with regimens containing isoniazid and rifampin. Sarma GR, et al. **Am Rev Respir Dis** 1986 Jun;133(6):1072–5

Antituberculosis activity of ofloxacin (DL 8280) on experimental tuberculosis in mice. Tsukamura M. **Am Rev Respir Dis** 1985 Oct;132(4):915

Short–course chemotherapy for extrapulmonary tuberculosis. Nine years' experience. Dutt AK, et al. **Ann Intern Med** 1986 Jan;104(1):7–12

A clinic model for a better tuberculosis treatment outcome and factors influencing compliance. Buri PS, et al. **J Med Assoc Thai** 1985 Jul;68(7):356–60

Evaluation of subdermal biodegradable implants incorporating rifampicin as a method of drug delivery in experimental tuberculosis of guinea pigs. Mathur IS, et al. **J Med Microbiol** 1985 Dec;20(3):387–92

Therapy in tuberculosis. Aziz S. **JPMA** 1985 Nov; 35(11):320–2

Management of non–respiratory tuberculosis [editorial] **Lancet** 1986 Jun 21;1(8495):1423–4

Management of non–respiratory tuberculosis [letter] Wilkins EG, et al. **Lancet** 1986 Aug 23;2(8504):458–9

Treatment of tuberculosis in Australia. Benn RA, et al. **Med J Aust** 1985 Dec 9–23;143(12–13):602–5

Chemotherapy of tuberculosis. Tirumalachar MA. **Papua New Guinea Med J** 1985 Jun;28(2):89–91

Treatment of tuberculosis in black urban clinics [letter] Felten MK, et al. **S Afr Med J** 1986 Feb 1;69(3):161–2

Tuberculosis in an Indochinese refugee camp: epidemiology, management and therapeutic results. Rieder HL. **Tubercle** 1985 Sep;66(3):179–86

[Proceedings of the 8th conference of the African Region of the International Union Against Tuberculosis—1. Tunis, 25–26 October 1984] **Bull Int Union Tuberc** 1985 Mar–Jun; 60(1–2):1–68 (Fre)

[Our experience in short–course treatment of tuberculosis. Results obtained by using therapeutic regimens of 6 to 8 months] Ben Kheder A, et al. **Bull Int Union Tuberc** 1985 Mar–Jun;60(1–2):26–8 (Fre)

[Current state of the short–course chemotherapy. Apropos of the International Round Table in Florence] Larbaoui D. **Bull Int Union Tuberc** 1985 Mar–Jun;60(1–2):18–25 (Fre)

[Prevention of resistance to rifampicin by pyrazinamide in experimental tuberculosis in the mouse] Grosset J, et al. **Rev Mal Respir** 1985;2(4):205–8 (Eng. Abstr.) (Fre)

[The latest topics concerning pyrazinamide] **Kekkaku** 1985 Nov;60(11):585–603 (Jpn)

[Chemotherapy of tuberculosis in various countries] Iwasaki T. **Kekkaku** 1985 Jun;60(6):343–50 (Jpn)

[Reevaluation studies on the chemotherapeutic effect of pyrazinamide in experimental mouse tuberculosis] Kondo E, et al. **Kekkaku** 1985 Aug;60(6):447–53 (Eng. Abstr.) (Jpn)

[Chemotherapy of tuberculosis. Technical standards of the State Secretary of Health] **Rev Paul Med** 1986 Jan–Feb; 104(1):36–7 (Por)

[Comparative effectiveness of the enteral and intravenous administration of rifampicin in treating experimental tuberculosis in rabbits] Bondarev IM, et al. **Antibiot Med Biotekhnol** 1986 May;31(5):378–81 (Eng. Abstr.) (Rus)

[Use of ultrasonic inhalation of antibacterial preparations in the complex treatment of children and adolescents with tuberculosis of the organs of respiration] Aksenova VA. **Probl Tuberk** 1985;(7):27–9 (Eng. Abstr.) (Rus)

[Mechanism of action of andekalin, an activator of the blood kinin system, on the course of experimental tuberculosis] Makinskii AI, et al. **Probl Tuberk** 1985;(5):59–63 (Eng. Abstr.) (Rus)

[Immunologic reactivity and healing reactions in animals with experimental tuberculosis as affected by chemotherapy] Sibirnaia RI, et al. **Probl Tuberk** 1985;(5):56–9 (Eng. Abstr.) (Rus)

[Efficacy of immunotropic drugs in experimental tuberculosis] Zabolotnykh NV, et al. **Probl Tuberk** 1985; (11):50–4 (Eng. Abstr.) (Rus)

[Primary resistance] Giunio N. **Pneum Bolesti** 1985 Jan–Jun; 37(1–2):50–5 (Eng. Abstr.) (Ser)

ECONOMICS

Preventive therapy with isoniazid. Cost–effectiveness of different durations of therapy. Snider DE Jr, et al. **JAMA** 1986 Mar 28;255(12):1579–83

ENZYMOLOGY

[Tissue angiotensin–converting enzyme activity in various tuberculous lesions] Tsuda T, et al. **Kekkaku** 1985 Dec; 60(12):625–8 (Eng. Abstr.) (Jpn)

ETIOLOGY

Central nervous system tuberculosis with the acquired immunodeficiency syndrome and its related complex. Bishburg E, et al. **Ann Intern Med** 1986 Aug;105(2):210–3

Mycobacterium avium complex infections in patients with the acquired immunodeficiency syndrome. Hawkins CC, et al. **Ann Intern Med** 1986 Aug;105(2):184–8

Mycobacterium tuberculosis bacteremia in the acquired immunodeficiency syndrome. Saltzman BR, et al. **JAMA** 1986 Jul 18;256(3):390–1

Tuberculosis as a manifestation of the acquired immunodeficiency syndrome (AIDS). Sunderam G, et al. **JAMA** 1986 Jul 18;256(3):362–6

[Generalized BCG infection associated with the sudden death of a 7–week–old infant] Molz G, et al. **Pathologe** 1986 Jul; 7(4):216–21 (Ger)

[Treatment of severe combined immune deficiency with fetal thymus and bone marrow transplantation, as well as with thymosin] Timár L, et al. **Orv Hetil** 1986 Jul 13; 127(28):1687–95 (Eng. Abstr.) (Hun)

[Tuberculosis in patients with malignant neoplasms] Fukushige J, et al. **Gan No Rinsho** 1986 Mar;32(3):234–40 (Eng. Abstr.) (Jpn)

[Evaluation of Mycobacterium tuberculosis virulence by the intracerebral infection of guinea pigs] Grashchenkova OV, et al. **Probl Tuberk** 1985;(8):56–9 (Eng. Abstr.) (Rus)

FAMILIAL & GENETIC

[Genetic aspects of experimental tuberculosis in mice] Nikonenko BV, et al. **Genetika** 1986 May;22(5):851–4 (Eng. Abstr.) (Rus)

[Morphohistochemical characteristics of the lungs in tuberculous infection in mice sensitive and resistant to tuberculosis] El'shanskaia MP, et al. **Probl Tuberk** 1985; (5):52–6 (Eng. Abstr.) (Rus)

HISTORY

Social problems in relation to medicine. By Richard Monahan. CMAJ 19ll. **Can Med Assoc J** 1986 Apr 15; 134(8):953–5

J. Douglas Galbraith fights TB among Indians and Inuit. Schmitt N. **Can Med Assoc J** 1986 May 15;134(10):1184–5

[To the German Central Committee for the Control of Tuberculosis on its 90–year anniversary] **Prax Klin Pneumol** 1985 Nov;39(11):389–466 (Ger)

[35th anniversary of the Institute of Tuberculosis] Pichulowa K. **Pol Tyg Lek** 1985 Jun 24–30;40(25–26):752–4 (Pol)

[Scientific activities of the Institute of Tuberculosis during 35 years of its existence] Zajaczkowska J. **Pol Tyg Lek** 1985 Jun 24–30;40(25–26):709–11 (Pol)

[The struggle with tuberculosis in the countryside of Poland between world wars] Moskwa Z. **Wiad Lek** 1986 Mar 15; 39(6):417–21 (Pol)

[History of tuberculosis in the 19th century in Poland] Moskwa Z. **Wiad Lek** 1985 Aug 15;38(16):1185–90 (Eng. Abstr.) (Pol)

[Tuberculosis and its problems in World War II 1941–1945] Mikhallov FA. **Klin Med (Mosk)** 1985 May;63(5):52–9 (Rus)

[Phthisiologists of the Ukrainian SSR in World War II] Mamolat AS. **Probl Tuberk** 1985;(5):10–3 (Eng. Abstr.) (Rus)

[Experience in the prevention of lung diseases in World War II] Meve EB. **Probl Tuberk** 1985;(5):13–8 (Eng. Abstr.) (Rus)

[Tuberculosis and its prevention in the USSR in World War II] Nezlin SE. **Probl Tuberk** 1985;(5):3–7 (Eng. Abstr.) (Rus)

[Organization of antituberculous measures in the Red Army in World War II] Poletaev SD, et al. **Probl Tuberk** 1985; (5):7–10 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Immune responses to hepatitis B virus and tuberculosis infections in Southeast Asian refugees. McGlynn KA, et al. **Am J Epidemiol** 1985 Dec;122(6):1032–6

Antioxidants do not prevent the in vitro induction of Plasmodium falciparum crisis forms by human malaria–immune, TB or rabbit TNF serum. Geary TG, et al. **Am J Trop Med Hyg** 1986 Jul;35(4):704–7

Antibody–based enzyme–linked immunosorbent assay for determination of immune complexes in clinical tuberculosis. Bhattacharya A, et al. **Am Rev Respir Dis** 1986 Aug; 134(2):205–9

Circulating immune complexes in tuberculosis [editorial] Daniel TM. **Am Rev Respir Dis** 1986 Aug;134(2):199–200

Increased interleukin–1 production and monocyte suppressor cell activity associated with human tuberculosis. Fujiwara H, et al. **Am Rev Respir Dis** 1986 Jan;133(1):73–7

Anergy in tuberculosis. Margolis ML, et al. **Biomed Pharmacother** 1985;39(6):292–8

Cellular immune response to Mycobacterium bovis (BCG) in genetically–susceptible and resistant congenic mouse strains. Bourassa D, et al. **Clin Exp Immunol** 1985 Oct; 62(1):31–8

Effects of suramin on the in vivo antimicrobial resistance against Listeria monocytogenes and Mycobacterium bovis (BCG) in mice. Brandely M, et al. **Clin Exp Immunol** 1986 Jan;63(1):118–26

Leukocyte migration inhibition in bacillus Calmette–Guérin

vaccinated healthy adults and in tuberculosis assayed by a rapid photoelectric procedure. Gauthier-Rahman S, et al. **Clin Immunol Immunopathol** 1986 Oct;41(1):75–90

A novel rat monoclonal antibody reactive with murine tumoricidal Kupffer cells and activated peritoneal macrophages from BCG-infected mice. Someya A. **Immunology** 1986 Apr;57(4):605–10

Immune dysregulation in human tuberculosis. Ellner JJ. **J Lab Clin Med** 1986 Aug;108(2):142–9

Continuous expression of I-A antigen by peritoneal macrophages from mice resistant to Mycobacterium bovis (strain BCG). Johnson SC, et al. **J Leukocyte Biol** 1985 Nov;38(5):635–47

Rheumatoid arthritis and tuberculosis [editorial] **Lancet** 1986 Aug 9;2(8502):321–2

In vitro lymphocytic stimulation with PPD. Spyropoulos KB, et al. **Respiration** 1985;48(2):168–72

A possible link between vitamin D deficiency and impaired host defence to Mycobacterium tuberculosis. Davies PD. **Tubercle** 1985 Dec;66(4):301–6

Environmental mycobacteria and BCG vaccination [editorial] Grange JM. **Tubercle** 1986 Mar;67(1):1–4

Serology of tuberculosis. III. Crossed immunoelectrophoretic analysis of sera from tuberculosis and leprosy patients with antigens from BCG. Jagannath C, et al. **Tubercle** 1985 Dec; 66(4):277–87

[Immunologic function disorder in tuberculosis] Pei J. **Chung Hua Chieh Ho Ho Hs Hsi Hsi Chi Ping Tsa Chih** 1984 Aug;7(4):246–7 **(Chi)**

[Genetic background of the immune response to mycobacteria] Nakamura R. **Kekkaku** 1985 Oct; 60(10):523–9 (Eng. Abstr.) **(Jpn)**

[Activity and specificity of tuberculins derived from BCG culture filtrates] Levi DT, et al. **Probl Tuberk** 1985;(9):60–3 (Eng. Abstr.) **(Rus)**

[Immunological and biophysical parallels in determining specific reactivity of patients with tuberculosis] Pukhlik BM, et al. **Probl Tuberk** 1986;(6):33–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Release of interleukin-1 by peripheral blood mononuclear cells in patients with tuberculosis and active inflammation. Chensue SW, et al. **Infect Immun** 1986 Apr;52(1):341–3

MICROBIOLOGY

Effect of relative centrifugal force and centrifugation time on sedimentation of mycobacteria in clinical specimens. Ratnam S, et al. **J Clin Microbiol** 1986 Mar;23(3):582–5

[Organization of bacteriological research in tuberculosis] **Probl Tuberk** 1985;(8):68–71 **(Rus)**

[Use of the immunofluorescence technic to detect L-transformed forms of the agent of tuberculosis] Dorozhkova IR, et al. **Probl Tuberk** 1985;(11):58–61 (Eng. Abstr.) **(Rus)**

[Quality of sputum bacilloscopy in the laboratory network of Argentina] Latini OA, et al. **Bol Of Sanit Panam** 1986 Jun;100(6):622–33 (Eng. Abstr.) **(Spa)**

[Comparison of 4 methods for the isolation of Mycobacterium tuberculosis from sputum] Ferrá Salazar C, et al. **Rev Cubana Med Trop** 1984 Sep–Dec;36(3):315–25 (Eng. Abstr.) **(Spa)**

MORTALITY

Tuberculosis. Cause of death in antibiotic era. Davis CE Jr, et al. **Chest** 1985 Nov;88(5):726–9

An analysis of deaths due to tuberculosis at the Lagos University Teaching Hospital. Bandele EO, et al. **J Natl Med Assoc** 1985 Aug;77(8):643–6

[Epidemiological analysis of tuberculosis mortality in Changchun (1952–1984)] Guan YU. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1986 Feb; 7(1):40–1 (Eng. Abstr.) **(Chi)**

[Extermination in the Hadamar Center] Schweitzer PP, et al. **Przegl Lek** 1986;43(1):111–30 **(Pol)**

OCCURRENCE

Tuberculosis in a developed country. Lange P, et al. **Acta Med Scand** 1986;219(5):481–7

How much tuberculosis in children must we accept? [editorial] Bloch AB, et al. **Am J Public Health** 1986 Jan; 76(1):14–5

Childhood tuberculosis in North Carolina: a study of the opportunities for intervention in the transmission of tuberculosis to children. Nolan RJ Jr. **Am J Public Health** 1986 Jan;76(1):26–30

Tuberculin reactivity in United States and foreign-born Latinos: results of a community-based screening program. Perez-Stable EJ, et al. **Am J Public Health** 1986 Jun; 76(6):643–6

The benefits of evaluating close associates of child tuberculin reactors from a high prevalence group. Sullam PM, et al. **Am J Public Health** 1986 Sep;76(9):1109–11

Tuberculosis in physicians: a continuing problem. Geiseler PJ, et al. **Am Rev Respir Dis** 1986 May;133(5):773–8

Active tuberculosis after isoniazid chemoprophylaxis of Southeast Asian refugees. Nolan CM, et al. **Am Rev Respir Dis** 1986 Mar;133(3):431–6

Tuberculosis in a primary school: the Uppingham outbreak. Wales JM, et al. **Br Med J [Clin Res]** 1985 Oct 12; 291(6501):1039–40

Incidence of active tuberculosis in the native population of Canada. Enarson DA, et al. **Can Med Assoc J** 1986 May 15;134(10):1149–52

Tuberculosis screening in Washington state male correctional facilities. Anderson KM, et al. **Chest** 1986 Jun;89(6):817–21

Abdominal tuberculosis in urban Britain—a common disease. Palmer KR, et al. **Gut** 1985 Dec;26(12):1296–305

Tuberculosis in children of Bangkok 1980–1983. Chavalittamrong B, et al. **J Med Assoc Thai** 1986 Feb; 69(2):65–73

Leads from the MMWR. Tuberculosis—United States, 1985—and possible impact of human T-lymphotropic virus type III/lymphadenopathy-associated virus infection. **JAMA** 1986 Feb 28;255(8):1010, 1013

Frequency of drug-resistant mycobacteria [letter] Lebowitz CZ. **JAMA** 1985 Dec 27;254(24):3424–5

Tuberculosis and acquired immunodeficiency syndrome—Florida. **MMWR** 1986 Sep 19;35(37):587–90

Tuberculosis—United States, first 39 weeks, 1985. **MMWR** 1985 Oct 11;34(40):625–7

Tuberculosis—United States, 1985—and the possible impact of human T-lymphotropic virus type III/lymphadenopathy-associated virus infection. **MMWR** 1986 Feb 7;35(5):74–6

Trends in tuberculosis in Auckland [letter] Adams JD. **NZ Med J** 1986 Jun 25;99(804):470

Trends in tuberculosis incidence in the Auckland region, 1974–1983. Taylor PM, et al. **NZ Med J** 1986 May 14; 99(801):309–12

Tuberculin skin test reactivity and conversions in United States- and foreign-born Latino children. Perez-Stable EJ, et al. **Pediatr Infect Dis** 1985 Sep–Oct;4(5):476–9

Changing patterns of disease among South American Indians. Salzano FM. **Prog Clin Biol Res** 1985;194:301–23

Bovine variants of Mycobacterium tuberculosis isolated in Liverpool during the period 1969 to 1983: an epidemiological survey. Wilkins EG, et al. **Q J Med** 1986 Jun;59(230):627–35

Notification of tuberculosis [letter] Fourie PB. **S Afr Med J** 1986 Feb 15;69(4):218–9

[Risk of a stay in a tuberculosis or respiratory disease ward under the present epidemiologic conditions of tuberculosis] Simeček Č, et al. **Cesk Zdrav** 1986 Feb;34(2):71–5 (Eng. Abstr.) **(Cze)**

[Submitting to disease, controlling disease, industrialization and medical technology: the case of tuberculosis] Thebaud A, et al. **Soc Sci Med** 1985;21(2):129–37 (Eng. Abstr.) **(Fre)**

[Clinical manifestations of tuberculosis today] Conen D, et al. **Schweiz Med Wochenschr** 1986 Feb 15;116(7):211–5 (Eng. Abstr.) **(Ger)**

[Nonpulmonary tuberculosis in Poland in the years 1970–1983] Szczuka I. **Pneumonol Pol** 1986 Apr;54(4):130–9 (Eng. Abstr.) **(Pol)**

[Tuberculosis in Poland—current epidemiological status] Szczuka I, et al. **Przegl Lek** 1985;42(5):465–70 (Eng. Abstr.) **(Pol)**

[Development of risk of tuberculosis in an area with high BCG coverage] Arantes GR, et al. **Rev Saude Publica** 1985 Apr;19(2):95–107 (Eng. Abstr.) **(Por)**

[Changes in cohorts of patients with tuberculosis in the Kazakh S.S.R] Dzhunusbekov AD, et al. **Probl Tuberk** 1985;(9):3–7 (Eng. Abstr.) **(Rus)**

[Indicence of tuberculosis in recruits based on their territorial origin 1974–1983] Dangubić V. **Plucne Bolesti** 1985 Jan–Jun;37(1–2):111–4 (Eng. Abstr.) **(Scr)**

[Tuberculosis caused by Mycobacterium bovis and its current significance in Slovakia] Bajan A, et al. **Cesk Zdrav** 1986 Feb;34(2):67–70 (Eng. Abstr.) **(Slo)**

[Evolution of endemic tuberculosis in the Province of Teruel] Cariñena J, et al. **Rev Sanid Hig Publica (Madr)** 1985 Nov–Dec;59(11–12):1337–57 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Pathologic findings in disseminated Mycobacterium avium–intracellulare infection. A report of 11 cases. Farhi DC, et al. **Am J Clin Pathol** 1986 Jan;85(1):67–72

Histopathology of human lymph node tularemia caused by Francisella tularensis var palaearctica. Sutinen S, et al. **Arch Pathol Lab Med** 1986 Jan;110(1):42–6

The pathology and pathogenesis of tuberculous encephalopathy and myeloradiculopathy: a comparison with allergic encephalomyelitis. Dastur DK. **Childs Nerv Syst** 1986;2(1):13–9

Angiocentric pulmonary granulomas in tuberculosis. Ojeda VJ, et al. **Pathol Res Pract** 1986 Jun;181(3):344–8

Nasopharyngeal tuberculosis presenting as a mass. Narendran K, et al. **Singapore Med J** 1986 Apr;27(2):170–2

The softening of caseous lesions. Lack CH. **Tubercle** 1986 Mar;67(1):69–70

[Primary tuberculosis of the submaxillary gland. Apropos of a case] Ammar-Khodja M. **Rev Laryngol Otol Rhinol (Bord)** 1986;107(1):69–70 (Eng. Abstr.) **(Fre)**

[Bilateral middle ear tuberculosis and morphologically unusual lung tuberculosis in an 11-year-old boy] Dannecker G, et al. **Monatsschr Kinderheilkd** 1985 Aug; 133(8):542–4 (Eng. Abstr.) **(Ger)**

[Primary complex of the oral cavity. A clinical case] Bucci E, et al. **Minerva Stomatol** 1985 Jul–Aug;34(4):651–6 (Eng. Abstr.) **(Ita)**

[Current aspects of the pathomorphosis of tuberculosis] Solov'eva IP. **Arkh Patol** 1986;48(3):82–5 (Eng. Abstr.) **(Rus)**

[Morphology of tuberculosis caused by Mycobacteria of human and bovine species] Turkebaeva KA. **Probl Tuberk** 1986;(5):55–8 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Latent mammary tuberculosis: a case report. Wapnir IL, et al. **Surgery** 1985 Nov;98(5):976–8

PREVENTION & CONTROL

The concepts and the development of combined programmes of leprosy and tuberculosis. Bechelli LM. **Acta Leprol (Geneve)** 1985 Oct–Dec;(99):305–16

Protective effect of BCG in experimental tuberculosis. Smith DW. **Adv Tuberc Res** 1985;22:1–97 (198 ref.)

A case-control study to evaluate the effectiveness of mass neonatal BCG vaccination among Canadian Indians. Young TK, et al. **Am J Public Health** 1986 Jul;76(7):783–6

Supplement on future research in tuberculosis. Prospects and priorities for elimination. Endorsement of the American Thoracic Society Board of Directors in March 1986. **Am Rev Respir Dis** 1986 Aug;134(2):401–23

Opportunities for the elimination of tuberculosis [editorial] Mason JO. **Am Rev Respir Dis** 1986 Aug;134(2):201–3

The future of BCG vaccination in schools in England and Wales [letter] Citron KM. **Br Med J [Clin Res]** 1986 Feb 15;292(6518):483–4

Sensitivity of neonates to tuberculin after BCG vaccination [letter] Lyon AJ. **Br Med J [Clin Res]** 1986 Jun 7; 292(6534):1526–7

Tuberculin testing in the young. Kendig EL Jr. **Compr Ther** 1986 Feb;12(2):66–70

Variations in national health care practices and behaviours and their influence on international research. Thompson NJ, et al. **Int J Epidemiol** 1985 Sep;14(3):457–62

Monoclonal antibodies and recombinant DNA technology: present and future uses in leprosy and tuberculosis. Seckl MJ. **Int J Lepr Other Mycobact Dis** 1985 Dec;53(4):618–40 (155 ref.)

Examinations for employees/residents in health care facilities. **Iowa Med** 1986 Apr;76(4):191–2

National TB Programme, its development, concepts, monitoring and evaluation aspects. Gupta SP. **J Commun Dis** 1985 Jun;17(2):146–50

Isoniazid chemoprophylaxis [editorial] Grzybowski S. **JAMA** 1986 Mar 28;255(12):1615

Tuberculin testing for persons with positive serologic studies for HTLV-III [letter] Pitchenik AE, et al. **N Engl J Med** 1986 Feb 13;314(7):447

BCG vaccination in infancy [letter] Lumb KM, et al. **Public Health** 1986 Jan;100(1):54–55

The influence of dietary protein on the protective effect of BCG in guinea pigs. McMurray DN, et al. **Tubercle** 1986 Mar;67(1):31–9

Lack of evidence for a reduction in the efficacy of subcutaneous BCG vaccination in mice infected with nontuberculous mycobacteria. Orme IM, et al. **Tubercle** 1986 Mar;67(1):41–6

[Course of tuberculosis control in Tunisia during the last 30 years] Azouz L. **Bull Int Union Tuberc** 1985 Mar–Jun; 60(1–2):11–2 **(Fre)**

[Current state of tuberculosis and tuberculosis control in Tunisia] Ben Ammar R, et al. **Bull Int Union Tuberc** 1985 Mar–Jun;60(1–2):13–7 **(Fre)**

[Realization of ordinance 297 issued by the Soviet Military Government on 3 October 1946. Measures to combat tuberculosis in the city of Leipzig] Lemmens F. **Z Gesamte Hyg** 1985 May;31(5):272–4 (Eng. Abstr.) **(Ger)**

[Activity of the Institute of Tuberculosis regarding tuberculosis control] Pawlicka L. **Pol Tyg Lek** 1985 Jun 24–30;40(25–26):748–51 **(Pol)**

[History of vaccination against tuberculosis in Poland] Moskwa Z. **Przegl Lek** 1985;42(12):818–9 **(Pol)**

[Role of the 9th Congress of Polish Physicians and Naturalists in the history of tuberculosis control in Poland] Moskwa Z. **Wiad Lek** 1985 Aug 1;38(15):1105–9 **(Pol)**

[History of anti-tuberculosis legislation in Poland] Moskwa Z. **Wiad Lek** 1985 Jul 15;38(14):1043–7 **(Pol)**

[Effect of thymus preparations on the efficacy of postvaccinal immunity in experimental tuberculosis] Kononko IV. **Fiziol Zh** 1986 Jul–Aug;32(4):478–81 (Eng. Abstr.) **(Rus)**

[The 27th Congress of the CPSU] **Probl Tuberk** 1986;(2):3–5 **(Rus)**

[Looking forward to the 10th All-Union Congress of Phthisiologists] **Probl Tuberk** 1986;(3):3–7 **(Rus)**

[Results of mass screening of rural adolescents using the Mantoux test with 2 TU of PPD-L] Ganiev KG, et al. **Probl Tuberk** 1985;(7):45–9 (Eng. Abstr.) **(Rus)**

[Automated system for processing report information from tuberculosis control institutions] Ginzburg EA, et al. **Probl Tuberk** 1986;(1):14–8 (Eng. Abstr.) **(Rus)**

[Experimental study of BCG-M vaccine with a lowered antigen dose] Iablokova TB, et al. **Probl Tuberk** 1985; (6):52–5 (Eng. Abstr.) **(Rus)**

[Sanitary awareness of students at specialized secondary educational institutions with respect to tuberculosis] Iakovlev NI. **Probl Tuberk** 1985;(11):13–5 (Eng. Abstr.) **(Rus)**

[Objectives of anti-tuberculosis institutions in conducting general dispensarization of the population in the prevention of tuberculosis] Khomenko AG. **Probl Tuberk** 1986;(2):6–10 (Eng. Abstr.) **(Rus)**

[Evaluation of the protective effect of BCG vaccination] Calvete C, et al. **Bol Of Sanit Panam** 1986 Mar;100(3):300–8 (Eng. Abstr.) **(Spa)**

[BCG vaccination in Spain. A decade of confusion] Errezola Sáizar M. **Med Clin (Barc)** 1986 Apr 5;86(13):555–8 **(Spa)**

PSYCHOLOGY

Psycho-social and economical aspects of leprosy and tuberculosis. Bechelli LM, et al. **Acta Leprol (Geneve)** 1985 Oct–Dec;(99):295–304

RADIOGRAPHY

Tuberculosis in the aboriginal: a radiological perspective. Bateson EM. **Australas Radiol** 1986 Feb;30(1):63–73

Tuberculosis of the oesophagus. Mohan V. **Australas Radiol** 1985 Aug;29(3):243–7

Aphthoid ulcers in colonic tuberculosis. Downey DB, et al. **Br J Radiol** 1985 Jun;58(690):561–2

Abdominal tuberculosis mimicking neoplasia on computerized tomography. Mehta JB, et al. **South Med J** 1985 Nov;78(11):1385–6

[Role of computed tomography in extrapulmonary tuberculosis] Planker M, et al. **Dtsch Med Wochenschr** 1985 Nov 29;110(48):1841–8 (Eng. Abstr.) **(Ger)**

[Tuberculosis of the breast—a case which could not be mammographically distinguished from breast cancer] Inoue Y, et al. **Rinsho Hoshasen** 1986 Feb;31(2):321–2 (Eng. Abstr.) **(Jpn)**

SURGERY

Long-term follow-up of the effect of tympanic neurectomy on sialadenosis and recurrent parotitis. Benedek-Spät E, et al. **Acta Otolaryngol (Stockh)** 1985 Nov–Dec; 100(5–6):437–43

THERAPY

Recombinant interferon-gamma and chemotherapy with isoniazid and rifampicin in experimental murine tuberculosis. Khor M, et al. **Br J Exp Pathol** 1986 Aug; 67(4):587–96

[Perspective of the treatment of tuberculosis patients—especially, the tuberculosis beds in the future] Aoki M, et al. **Kekkaku** 1985 Oct;60(10):531–56 (Eng. Abstr.) **(Jpn)**

[Actual condition and chemotherapy for extrapulmonary tuberculosis in national sanatoria (an observation in tuberculous meningitis and tuberculosis of the central nerve system)—report of the B series of 26 controlled trials of chemotherapy. Cooperative Study Unit of Chemotherapy of Tuberculosis of the National Sanatoria in Japan (CSUCTNS)] Konishiike J, et al. **Kekkaku** 1985 Oct; 60(10):509–15 (Eng. Abstr.) **(Jpn)**

[Status of hemocoagulation after hemoperfusion in tuberculosis patients] Makinskiĭ AI, et al. **Anesteziol Reanimatol** 1986 Mar–Apr;(2):50–3 (Eng. Abstr.) **(Rus)**

TRANSMISSION

Mycobacterium avium serotype 4 infection of swine: the attempted transmission by contact and the sequence of morphological changes in inoculated pigs. Acland HM, et al. **J Comp Pathol** 1986 May;96(3):247–66

VETERINARY

Relationship of silica and bacillus Calmette–Guerin exposures to humoral and cellular immune functions. Zarkower A, et al. **Environ Res** 1986 Apr;39(2):278–89

Generalized avian tuberculosis in a horse. Mair TS, et al. **Equine Vet J** 1986 May;18(3):226–30

Tuberculosis in East Sussex. III. Comparison of post-mortem and clinical methods for the diagnosis of tuberculosis in badgers. Pritchard DG, et al. **J Hyg (Lond)** 1986 Aug; 97(1):27–36

Tuberculosis in East Sussex. II. Aspects of badger ecology and surveillance for tuberculosis in badger populations (1976–1984). Wilesmith JW, et al. **J Hyg (Lond)** 1986 Aug; 97(1):11–26

Tuberculosis in East Sussex. IV. A systematic examination of wild mammals other than badgers for tuberculosis. Wilesmith JW, et al. **J Hyg (Lond)** 1986 Aug;97(1):37–48

Confirmation of the beige mouse model for study of disseminated infection with Mycobacterium avium complex [letter] Bertram MA, et al. **J Infect Dis** 1986 Jul; 154(1):194–5

Use of streptomycin and isoniazid during a tuberculosis epizootic in a rhesus and cynomolgus breeding colony. Ward GS, et al. **Lab Anim Sci** 1985 Aug;35(4):395–9

Population dynamics of the badger (Meles meles) and the epidemiology of bovine tuberculosis (Mycobacterium bovis). Anderson RM, et al. **Philos Trans R Soc Lond [Biol]** 1985 Sep 12; 310(1145):327–81

[Swine tuberculosis and public health] Groothuis DG. **Tijdschr Diergeneeskd** 1985 Sep 15;110(18):716–7 (Eng. Abstr.) **(Dut)**

TUBERCULOSIS, AVIAN

PATHOLOGY

Avian tuberculosis and salmonellosis in a whooping crane (Grus americana). Stroud RK, et al. **J Wildl Dis** 1986 Jan; 22(1):106–10

TUBERCULOSIS, BOVINE

DIAGNOSIS

Application of the comparative cervical test to the identification of false positive reactions to the bovine tuberculin caudal fold test. Duffield BJ, et al. **Aust Vet J** 1985 Dec;62(12):424–6

Antigen-specific immunostimulation of amino acid transport: proposed method for the diagnosis of tuberculosis in cattle. Tate EH, et al. **Diagn Immunol** 1985;3(2):89–96

FAMILIAL & GENETIC

Infectious bovine keratoconjunctivitis: evidence for genetic modulation of resistance in purebred Hereford cattle. Pugh GW Jr, et al. **Am J Vet Res** 1986 Apr;47(4):885–9

MICROBIOLOGY

Mycobacterium senegalense from bovines in Eastern Nigeria. Mohan K. **J Appl Bacteriol** 1985 Sep;59(3):277–81

OCCURRENCE

Bovine tuberculosis in Benghazi cow project (Libya). el Sanousi SM, et al. **Int J Zoonoses** 1985 Sep;12(3):203–6

Tuberculosis in East Sussex. I. Outbreaks of tuberculosis in cattle herds (1964–1984). Wilesmith JW, et al. **J Hyg (Lond)** 1986 Aug;97(1):1–10

PATHOLOGY

[Morphology of tuberculosis caused by Mycobacteria of human and bovine species] Turkebaeva KA. **Probl Tuberk** 1986;(5):55–8 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Suppression of skin reactivity to bovine tuberculin in repeat tests. Radunz BL, et al. **Aust Vet J** 1985 Jun;62(6):191–4

TRANSMISSION

Population dynamics of the badger (Meles meles) and the epidemiology of bovine tuberculosis (Mycobacterium bovis). Anderson RM, et al. **Philos Trans R Soc Lond [Biol]** 1985 Sep 12; 310(1145):327–81

Badgers and bovine tuberculosis [news] **Vet Rec** 1986 Apr 19;118(16):437–8

Pulmonary lesions and Mycobacterium bovis excretion from the respiratory tract of tuberculin reacting cattle. McIlroy SG, et al. **Vet Rec** 1986 Jun 28;118(26):718–21

Tuberculosis lesions in reactor cows [letter] Wilesmith JW, et al. **Vet Rec** 1986 Jul 12;119(2):51

TUBERCULOSIS, CARDIOVASCULAR

COMPLICATIONS

Tuberculous aortitis presenting with an aortoduodenal fistula: a case report. Goldbaum TS, et al. **Angiology** 1986 Jul; 37(7):519–23

Myocardial tuberculoma with rupture and pseudoaneurysm formation—successful surgical treatment. Halim MA, et al. **Br Heart J** 1985 Dec;54(6):603–4

[A case of tuberculous abdominal aortic aneurysm which ruptured and perforated the sigmoid] Takahashi K, et al. **Nippon Geka Gakkai Zasshi** 1986 Jan;87(1):99–104 (Eng. Abstr.) **(Jpn)**

[Cardiac tamponade due to tuberculosis in patients with systemic lupus. Diagnosis through pericardiocentesis. Report of a case] Diament J, et al. **Arq Bras Cardiol** 1985 May;44(5):351–3 (Eng. Abstr.) **(Por)**

[Constrictive pericarditis due to hydatidosis and tuberculosis] Apt W, et al. **Rev Med Chil** 1985 Oct;113(10):995–8 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

[Tuberculous pericarditis in a Bedouin child] Hadari I, et al. **Harefuah** 1985 Jul;109(1–2):21–2 (Eng. Abstr.) **(Heb)**

[A case of tuberculous pericarditis] Kovalenko VN, et al. **Vrach Delo** 1985 Dec;(12):31–3 **(Rus)**

PHYSIOPATHOLOGY

[Primary tuberculous pericarditis] Pastor Torres L, et al. **Rev Esp Cardiol** 1986 Mar–Apr;39(2):159–61 (Eng. Abstr.) **(Spa)**

SURGERY

Elective pericardiectomy for tuberculous pericarditis: should the snappers be snipped? Sonnenberg FA, et al. **Med Decis Making** 1986 Apr–Jun;6(2):110–23

TUBERCULOSIS, CUTANEOUS

COMPLICATIONS

[Multifocal tuberculosis in a 15-year-old child] Valdes L, et al. **Arch Fr Pediatr** 1986 Jan;43(1):45–7 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Erythema induratum of Bazin. Lebel M, et al. **J Am Acad Dermatol** 1986 May;14(5 Pt 1):738–42

Papulonecrotic tuberculid: a neglected disease in Western countries. Wilson-Jones E, et al. **J Am Acad Dermatol** 1986 May;14(5 Pt 1):815–26

DRUG THERAPY

[Rifampicin induces withdrawal symptoms in methadone users] van Leeuwen DJ. **Ned Tijdschr Geneeskd** 1986 Mar 22;130(12):548–50 (Eng. Abstr.) **(Dut)**

ETIOLOGY

BCG skin infection [letter] Roilides EJ, et al. **Pediatr Infect Dis** 1986 Jan–Feb;5(1):110

IMMUNOLOGY

S-100-protein-positive dendritic cells in nodular vasculitis. Smolle J, et al. **Dermatologica** 1986;172(3):139–43

OCCURRENCE

[The present state of tuberculosis of the skin and lymph nodes in Prague] Herold K. **Cas Lek Cesk** 1985 Oct 4; 124(40):1249–51 (Eng. Abstr.) **(Cze)**

PATHOLOGY

Penis tuberculides: papulonecrotic tuberculides on the glans penis. Nishigori C, et al. **Dermatologica** 1986;172(2):93–7

Papulonecrotic tuberculid with inflammatory nodular lesions of the lower leg: a report of two cases. Yoshikawa K, et al. **J Dermatol (Tokyo)** 1985 Aug;12(4):357–62

[A new case of Darier's atypical tuberculous ulcers] Rommel A, et al. **Ann Dermatol Venereol** 1986;113(1):51–4 **(Fre)**

PHYSIOPATHOLOGY

Transepithelial elimination of granulomas in cutaneous tuberculosis and sarcoidosis. Goette DK, et al. **J Am Acad Dermatol** 1986 Jan;14(1):126–8

TRANSMISSION

Perinatal transmission of cutaneous tuberculosis [letter] Rajan G. **J R Soc Med** 1986 Jan;79(1):61

VETERINARY

Cutaneous lesion caused by Mycobacterium tuberculosis in a dog. Foster ES, et al. **J Am Vet Med Assoc** 1986 May 15;188(10):1188–90

TUBERCULOSIS, ENDOCRINE

DIAGNOSIS

[Tuberculosis of the thyroid gland] Kalinin AP, et al. **Probl Tuberk** 1985;(11):61–5 (36 ref.) **(Rus)**

PATHOLOGY

[Addison's disease with enlarged adrenal glands in sonography and computer tomography. Differential diagnostic considerations based on 2 cases of tuberculous adrenalitis] Renner F, et al. **Wien Klin Wochenschr** 1986 Apr 18;98(8):244–9 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

CT findings in Addison's disease caused by tuberculosis. Sawczuk IS, et al. **Urol Radiol** 1986;8(1):44–5

[Adrenal tuberculosis in 13 patients with Addison's disease. CT findings] Pozzi Mucelli R, et al. **Radiol Med (Torino)** 1985 Sep;71(9):606–10 (Eng. Abstr.) **(Ita)**

TUBERCULOSIS, FEMALE GENITAL

Gynaecological tuberculosis: analysis of a personal series of 710 cases. Sutherland AM. **Aust NZ J Obstet Gynaecol** 1985 Aug;25(3):203–7

Endometritis due to Mycobacterium tuberculosis. MacIntosh OC, et al. **Can Med Assoc J** 1985 Oct 1;133(7):667–8

COMPLICATIONS

Genital tuberculosis in a postmenopausal patient with uterine myoma. Goovaerts G, et al. **Acta Clin Belg** 1985; 40(5):318–21

The coexistence of carcinoma and tuberculosis in the uterine cervix: report of 2 cases. Hsu CT, et al. **Asia Oceania J Obstet Gynaecol** 1985 Sep;11(3):363–9

In vitro fertilization in tuberculous infertility. Frydman R, et al. **J In Vitro Fert Embryo Transfer** 1985 Dec;2(4):184–9

[Sterility in North African immigrant women] Adrai J, et al. **Rev Fr Gynecol Obstet** 1985 Oct;80(10):733–6 (Eng.

Abstr.) (Fre)
[Tuberculosis in adenomyosis of the uterine body] Rozum VM. **Akush Ginekol (Mosk)** 1985 Jul;(7):64–5 (Rus)

DIAGNOSIS

Postmenopausal tuberculous cervicitis. Tang LC. **Acta Obstet Gynecol Scand** 1986;65(3):279–81
Peritonitis due to genital tuberculosis. Svendsen JH, et al. **Ann Chir Gynaecol** 1985;74(4):180–2
[Tuberculous salpingitis. A condition which still exists] Felding IC. **Ugeskr Laeger** 1986 Mar 24;148(13):773–4 (Eng. Abstr.) (Dan)
[Current clinical characteristics and the principles of treatment of tuberculosis of female genital organs] Kolachevskaia EN. **Akush Ginekol (Mosk)** 1985 Aug; (9):73–8 (Rus)
[Subcutaneous provocation tuberculin test used in the tuberculosis department of the Amur tuberculosis dispensary] Shkurlatovskaia TN, et al. **Akush Ginekol (Mosk)** 1985 Jul;(7):63 (Rus)
[Potentials for enhancing the diagnostic value of provocation tests in tuberculosis of the female genitalia] Patrikian IT, et al. **Probl Tuberk** 1985;(12):28–31 (Eng. Abstr.) (Rus)

DRUG THERAPY

[Effect of terrilytin on tissue bacteriostatic activity in the chemotherapy of renal and female genital tuberculosis in an experiment] Iagafarova RK, et al. **Antibiot Med Biotekhnol** 1986 Apr;31(4):294–7 (Eng. Abstr.) (Rus)

ETIOLOGY

[Genital tuberculosis in women with clinically cured pulmonary tuberculosis] Akhmedova DA, et al. **Probl Tuberk** 1985;(9):15–7 (Eng. Abstr.) (Rus)

IMMUNOLOGY

[The course of genital tuberculosis in women in relation to the state of the immune system] Bakradze GA, et al. **Probl Tuberk** 1985;(9):50–2 (Eng. Abstr.) (Rus)

OCCURRENCE

The pattern of female genital tuberculosis in Riyadh, Saudi Arabia. Chattopadhyay SK, et al. **Br J Obstet Gynaecol** 1986 Apr;93(4):367–71
Incidence of genital tuberculosis in infertile women. Khan SM. **JPMA** 1985 Sep;35(9):280–1

PATHOLOGY

Genital tuberculosis in reproductive-age women. A report of two cases. Bateman BG, et al. **J Reprod Med** 1986 Apr; 31(4):287–90

RADIOGRAPHY

[Value of roentgenological methods in the diagnosis of tuberculosis of the female genital organs] Kolachevskaia EN, et al. **Akush Ginekol (Mosk)** 1985 Jul;(7):38–41 (Eng. Abstr.) (Rus)
[A method of roentgen and television hysterosalpingography in the evaluation of the anatomo-functional status of the fallopian tubes in patients with tuberculosis of the female genital organs] Tumanov IP, et al. **Probl Tuberk** 1986; (3):41–4 (Eng. Abstr.) (Rus)

TUBERCULOSIS, GASTROINTESTINAL

An unusual case of abdominal tuberculosis. Poon FW, et al. **J R Coll Surg Edinb** 1985 Jun;30(3):201–2
Primary tuberculous granulomatous esophagogastro-duodenitis: a report of a case. Mir-Madjlessi SH, et al. **J Trop Med Hyg** 1985 Aug; 88(4):253–6

BLOOD

Vitamin C status, glutathione and histamine in gastric carcinoma, tuberculous enteritis and non-specific ulcerative colitis. Dubey SS, et al. **Indian J Physiol Pharmacol** 1985 Apr-Jun;29(2):111–4

COMPLICATIONS

Calcific enterolithiasis. Gupta NM, et al. **Indian J Gastroenterol** 1986 Jan;5(1):29–30
Free perforation of tuberculous ulcers of the small bowel. Wig JD, et al. **Indian J Gastroenterol** 1985 Oct;4(4):259–61
Tuberculous duodeno-colic fistula. Chenbhanich U, et al. **J Med Assoc Thai** 1985 Jun;68(6):320–5
Hypertrophic ileo-caecal tuberculosis with complete situs inversus (a case report). Pinto AC, et al. **J Postgrad Med** 1985 Jul;31(3):175–6
Gastric tuberculosis: a manifestation of acquired immunodeficiency syndrome. Brody JM, et al. **Radiology** 1986 May;159(2):347–8
Tuberculous perforation of the bowel. A report of 8 cases. Gilinsky NH, et al. **S Afr Med J** 1986 Jul 5;70(1):44–6
Colonic tuberculosis presenting with massive rectal bleeding. Pozniak AL, et al. **Tubercle** 1985 Dec;66(4):295–9
[Gastric tuberculosis associated with peritoneal tuberculosis (letter)] Blázquez Encinar JC, et al. **Rev Clin Esp** 1985 Dec; 177(9):471 (Spa)

DIAGNOSIS

Colonoscopy in the diagnosis of abdominal tuberculosis in children. Tam PK, et al. **Aust Paediatr J** 1986 May; 22(2):143–4
A clinico-radiological reappraisal of intestinal tuberculosis—changing profile? Tandon RK, et al. **Gastroenterol Jpn** 1986 Feb;21(1):17–22
Pancreatic tuberculosis mimicking carcinoma. Chandrasekhara KL, et al. **Gastrointest Endosc** 1985 Dec; 31(6):386–8
Abdominal tuberculosis [letter] Kapoor VK, et al. **Gut** 1986 Aug;27(8):990–1
Enzyme linked immunosorbent assay (ELISA) in gut tuberculosis. Jain AK, et al. **Indian J Gastroenterol** 1986 Jul;5(3):175–7
Abdominal tuberculosis: still a problem today. Wells AD, et al. **J R Soc Med** 1986 Mar;79(3):149–53
The role of ultrasonography in the detection of extrapulmonary tuberculosis in patients with acquired immunodeficiency syndrome (AIDS). Abiri MM, et al. **J Ultrasound Med** 1985 Sep;4(9):471–3
Serodiagnosis of intestinal tuberculosis by enzyme immunoassay and soluble antigen fluorescent antibody tests using a saline extracted antigen. Chawla TC, et al. **Tubercle** 1986 Mar;67(1):55–60
[A sailor with a swelling in the abdomen] Rijnberg WJ, et al. **Ned Tijdschr Geneeskd** 1986 Jan 25;130(4):147–9 (Dut)
[Probable incipient tuberculosis of the colon. Fortuitous discovery during colonoscopy for resection of a lipoma] Maroy B, et al. **Ann Radiol (Paris)** 1985;28(5):408–10 (Eng. Abstr.) (Fre)
[Anorectal tuberculosis disclosed by hemorrhoidal thrombosis] Borki K, et al. **Med Trop (Mars)** 1986 Jan-Mar; 46(1):75–7 (Eng. Abstr.) (Fre)
[Tuberculosis of the colon. Description of a clinical case] Mazzone O, et al. **Clin Ter** 1985 Jul 31;114(2):147–52 (Eng. Abstr.) (Ita)
[Presentation of a case of probably primary intestinal tuberculosis with a favorable outcome] Cataldo F, et al. **Pediatr Med Chir** 1985 May-Jun;7(3):455–8 (Eng. Abstr.) (Ita)
[Experience with the use of ultrasonography in the diagnosis of gastrointestinal tuberculosis] Lemeshko ZA, et al. **Klin Med (Mosk)** 1985 Nov;63(11):109–11 (Eng. Abstr.) (Rus)
[Abdominal tuberculosis in children. A review apropos of 13 cases] Vidal ML, et al. **An Esp Pediatr** 1986 Apr; 24(4):227–31 (26 ref.) (Eng. Abstr.) (Spa)

DRUG THERAPY

[Actual condition and chemotherapy of extrapulmonary tuberculosis in national sanatoria. (An observation in intestinal tuberculosis and tuberculous peritonitis)—report of the B series of 26th controlled trials of chemotherapy. Cooperative Study Unit of Chemotherapy of Tuberculosis of National Sanatoria in Japan (CSUCTNS)] Konishiike J, et al. **Kekkaku** 1986 Apr;61(4):243–52 (Eng. Abstr.) (Jpn)

MICROBIOLOGY

Intestinal tuberculosis: bacteriological study of tissue obtained by colonoscopy and during surgery. Bhargava DK, et al. **J Trop Med Hyg** 1985 Aug;88(4):249–52

PATHOLOGY

Noncaseating granulomatous inflammatory lesions of experimental tuberculosis in dogs and guinea pigs. Bapat RD, et al. **Indian J Gastroenterol** 1986 Apr;5(2):87–9
Acute chylous peritonitis with associated intestinal tuberculosis. Jhittay PS, et al. **J Pediatr Surg** 1986 Jan; 21(1):75–6
Gastrointestinal tuberculosis: a retrospective review of 109 cases in a district general hospital. Klimach OE, et al. **Q J Med** 1985 Sep;56(221):569–78

SURGERY

[A sailor with an abdominal tumor (letter)] van der Werf SD. **Ned Tijdschr Geneeskd** 1986 Mar 22;130(12):556–7 (Dut)
[Surgical treatment of esophageal tuberculosis] Stallkamp B. **Langenbecks Arch Chir** 1985;366:135–8 (Eng. Abstr.) (Ger)

TRANSMISSION

[A sailor with a swelling in the abdomen (letter)] Gernaat HB. **Ned Tijdschr Geneeskd** 1986 May 31;130(22):1029–30 (Dut)

TUBERCULOSIS, HEPATIC

COMPLICATIONS

Tuberculosis of the liver in end stage renal disease under treatment with hemodialysis. John EG, et al. **Int J Pediatr Nephrol** 1985 Jul-Sep;6(3):225–6

CONGENITAL

Congenital tuberculosis: a case with unusual features. Thora S, et al. **Indian J Pediatr** 1985 Jul-Aug;52(417):425–7

DIAGNOSIS

Bleeding into solitary hepatic tuberculoma. Report of a case treated by resection. Procházka M, et al. **Acta Chir Scand** 1986 Jan;152:73–5
Abdominal tuberculosis: a frequent diagnostic challenge. Ibrahim EM, et al. **Ann Trop Med Parasitol** 1985 Apr; 79(2):163–7
Primary miliary tuberculosis of the liver: a case report and diagnostic considerations based on newer radiologic imaging techniques. Krilov LR, et al. **Pediatr Infect Dis** 1986 Jul-Aug;5(4):478–81

MICROBIOLOGY

[Hepatic tuberculoma caused by Mycobacterium fortuitum. Report of a case] Sada E, et al. **Rev Invest Clin** 1985 Oct-Dec;37(4):359–62 (Eng. Abstr.) (Spa)

TUBERCULOSIS IN CHILDHOOD

BLOOD

[Lipid peroxidation indices of the blood in children with tuberculosis and drug allergy] Kazakov KS, et al. **Probl Tuberk** 1985;(10):41–5 (Eng. Abstr.) (Rus)
[Role of the paramecium test in the diagnosis of tuberculosis in children] Zhuchkova LI, et al. **Probl Tuberk** 1985; (11):26–8 (Eng. Abstr.) (Rus)

COMPLICATIONS

Unusually high incidence of tuberculosis among boys with haemophilia during an outbreak of the disease in hospital. Beddall AC, et al. **J Clin Pathol** 1985 Oct;38(10):1163–5
[Side effects of antitubercular preparations and their diagnosis in children by Schelley's test] Elufimova VF, et al. **Probl Tuberk** 1985;(10):55–9 (Eng. Abstr.) (Rus)
[Incidence of osteoarticular tuberculosis in hypothyroid children and adolescents] Kochergin VN. **Probl Tuberk** 1985;(7):74 (Rus)

DIAGNOSIS

[Features of the clinical manifestations and course of tuberculous lymphadenitis in children] Babaeva AK. **Probl Tuberk** 1985;(7):56–8 (Eng. Abstr.) (Rus)
[Characteristics of the diagnosis of tuberculosis of the respiratory organs in infants under 1 year of age] Chugaev IuP. **Probl Tuberk** 1986;(6):24–6 (Eng. Abstr.) (Rus)
[Dynamics of the clinical manifestations of early tuberculous intoxication in children during their treatment] Sakharova EA, et al. **Probl Tuberk** 1986;(4):15–7 (Eng. Abstr.) (Rus)
[Use of the leukocyte reaction to tuberculin and immunoglobulin determination in the diagnosis of primary tuberculous infection in children] Savvateeva VG. **Probl Tuberk** 1985;(11):19–23 (Eng. Abstr.) (Rus)
[Results of cytochemical studies in children from tuberculosis foci] Volchkova IL. **Probl Tuberk** 1986;(6):61–3 (Eng. Abstr.) (Rus)

DRUG THERAPY

Antituberculous therapy in children. Seth V. **Indian J Pediatr** 1986 Mar-Apr;53(2):179–98
The treatment of tuberculosis in children. Jacobs RF, et al. **Pediatr Infect Dis** 1985 Sep-Oct;4(5):513–7 (12 ref.)
Acetylation phenotype and hepatotoxicity in the treatment of tuberculosis in children. Martinez-Roig A, et al. **Pediatrics** 1986 Jun;77(6):912–5
[Sinerdol-EHr—a new broad-spectrum antibiotic. The results in treating tuberculosis in adults and children] Păunescu E, et al. **Rev Med Chir Soc Med Nat Iasi** 1985 Jan-Mar;89(1):113–22 (Eng. Abstr.) (Rum)

ETIOLOGY

[BCG generalization in a child with severe congenital immune deficiency] Chugaev IuP, et al. **Probl Tuberk** 1985; (7):72–3 (Rus)

FAMILIAL & GENETIC

[HLA-phenotype in children with local forms of primary tuberculosis] Dovgaliuk IF, et al. **Probl Tuberk** 1985; (11):28–31 (Eng. Abstr.) (Rus)

HISTORY

[Anniversary of the V.I. Lenin Pediatric Tuberculosis Sanatorium] Riazantsev AE, et al. **Probl Tuberk** 1985; (9):73–4 (Rus)

IMMUNOLOGY

Serum proteins & immunoglobulin levels in childhood tuberculosis. Seth V, et al. **Indian J Med Res** 1985 Dec; 82:482–5
Tuberculin sensitivity in rural children. Nagesh S, et al. **Indian Pediatr** 1985 Apr;22(4):293–7
[Functional activity of blood leukocytes and cutaneous aseptic inflammation cells in children with tuberculosis]

Bozhenov IuA. **Probl Tuberk** 1985;(11):23–6 (Eng. Abstr.) **(Rus)**

[HLA antigens in children and adolescents with different degrees of physical development] Palziev RD. **Probl Tuberk** 1986;(6):35–7 (Eng. Abstr.) **(Rus)**

[Immunological and immunogenetic examination of BCG–revaccinated children and adolescents] Pospelov LE, et al. **Probl Tuberk** 1986;(2):17–21 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Notification of tuberculosis [letter] Collins TF. **S Afr Med J** 1985 Dec 21;68(13):914

Field testing along a disease gradient: some geographical dimensions of tuberculosis in Puerto Rico. Hunter JM, et al. **Soc Sci Med** 1985;21(9):1023–42

PATHOLOGY

Difference in severity of tuberculosis in children with or without a BCG scar. Santosa G, et al. **Paediatr Indones** 1985 May–Jun;25(5–6):87–92

[Features of the course of the aseptic inflammatory reaction in children with tuberculosis] Bozhenov IuA. **Pediatriia** 1985 Nov;(11):59–60 **(Rus)**

PREVENTION & CONTROL

The future of BCG vaccination [letter] Buttery RB. **Br Med J [Clin Res]** 1986 Apr 5;292(6525):956–7

A case–control study of BCG and childhood tuberculosis in Cali, Colombia. Shapiro C, et al. **Int J Epidemiol** 1985 Sep;14(3):441–6

[Evaluation of BCG vaccination programme in the rural areas of Beijing] Song WH. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Feb;9(1):9–11, 61 (Eng. Abstr.) **(Chi)**

[Special actions for preventing and combating tuberculosis in children in Tulcea County] Mihăilescu P, et al. **Rev Ig [Pneumoftiziol]** 1985 Jul–Sep;34(3):215–20 (Eng. Abstr.) **(Rum)**

[Tuberculous infection of school children at the time of mass BCG vaccination] Adamova EA, et al. **Probl Tuberk** 1985;(11):7–9 (Eng. Abstr.) **(Rus)**

[Effectiveness of BCG vaccination in relation to the time of its administration] Chaĭka VS, et al. **Probl Tuberk** 1986;(1):9–11 (Eng. Abstr.) **(Rus)**

[Results of using different doses of BCG vaccine in newborn infants] Kshanovskiĭ SA, et al. **Probl Tuberk** 1986;(6):3–6 (Eng. Abstr.) **(Rus)**

[Prevention of tuberculosis in newborn and young infants] Lebedeva LV. **Probl Tuberk** 1986;(1):7–9 (Eng. Abstr.) **(Rus)**

[Experience with the conduct of complex measures to control tuberculosis among rural children] Maksimova NM, et al. **Probl Tuberk** 1985;(7):43–5 (Eng. Abstr.) **(Rus)**

[Relation between postvaccinal skin manifestations and the dose of BCG vaccine] Mishkinis KK. **Probl Tuberk** 1985;(7):49–52 (Eng. Abstr.) **(Rus)**

[Methods of increasing the effectiveness of anti–tuberculosis measures for children] Nichiporuk VA, et al. **Probl Tuberk** 1986;(2):15–7 (Eng. Abstr.) **(Rus)**

[Value of controlled chemoprevention in children and adolescents with increased risk of tuberculosis] Ospanova SIa. **Probl Tuberk** 1986;(3):11–3 (Eng. Abstr.) **(Rus)**

[Control of tuberculosis in schoolchildren: lessons from a tuberculosis screening program] Villalbí JR, et al. **Rev Clin Esp** 1986 Mar;178(4):181–3 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Radiological criteria for the diagnosis of pulmonary forms of tuberculous infection. Panchatcharam M, et al. **Indian J Pediatr** 1985 Jul–Aug;52(417):357–63

[Clinical x-ray characteristics of the various manifestations of primary tuberculosis in children] Nikitina VS. **Probl Tuberk** 1986;(1):20–3 (Eng. Abstr.) **(Rus)**

[Radiologic control of pulmonary tuberculosis with a planimeter] García López M, et al. **An Esp Pediatr** 1986 Jul;25(1):19–22 (Eng. Abstr.) **(Spa)**

TUBERCULOSIS, LARYNGEAL

DIAGNOSIS

Tuberculous laryngitis—a one year harvest. Gertler R, et al. **J Laryngol Otol** 1985 Nov;99(11):1119–25

Primary laryngeal tuberculosis (a case report). Jan A. **J Laryngol Otol** 1986 May;100(5):605–6

[Tuberculosis of the larynx today] Cvetnić V, et al. **Plucne Bolesti** 1985 Jul–Dec;37(3–4):231–4 (Eng. Abstr.) **(Scr)**

TUBERCULOSIS, LYMPH NODE

COMPLICATIONS

Tuberculosis in renal failure: a high incidence in patients born in the third world. Cuss FM, et al. **Clin Nephrol** 1986 Mar; 25(3):129–33

Tuberculous oesophagopulmonary communication: effectiveness of antituberculous chemotherapy. A case report and review of literature. Bashi SA, et al. **Digestion** 1985;32(2):145–8

Unilateral diaphragmatic paralysis due to tuberculous hilar adenitis. Mohan B, et al. **Indian Pediatr** 1985 Jun; 22(6):468–70

Acquired cutaneous lymphangiectasias secondary to scarring from scrofuloderma. Di Leonardo M, et al. **J Am Acad Dermatol** 1986 Apr;14(4):688–90

[Malignant lymphoma and tuberculosis] Hörmann K, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Dec;64(12):614–7 (Eng. Abstr.) **(Ger)**

[Superior vena cava syndrome caused by tuberculosis of the hilar lymph nodes] Kozielski J, et al. **Wiad Lek** 1986 Apr 15;39(8):550–4 (Eng. Abstr.) **(Pol)**

[A case of perforation of the esophagus and the right main bronchus by petrified lymph nodes] Cherkasskiĭ LA, et al. **Probl Tuberk** 1986;(2):63–4 **(Rus)**

[Esophageal lesions in silicotuberculosis of intrathoracic lymph nodes] Grinberg LM. **Probl Tuberk** 1985;(6):59–62 (Eng. Abstr.) **(Rus)**

[Association of fibrosing alveolitis and tuberculosis of the lungs and intrathoracic lymph nodes] Tregubov ES. **Probl Tuberk** 1986;(2):61–2 **(Rus)**

CONGENITAL

Congenital tuberculosis: a case with unusual features. Thora S, et al. **Indian J Pediatr** 1985 Jul–Aug;52(417):425–7

DIAGNOSIS

Abdominal tuberculosis: a frequent diagnostic challenge. Ibrahim EM, et al. **Ann Trop Med Parasitol** 1985 Apr; 79(2):163–7

Orofacial granulomatosis presenting clinically as tuberculosis of cervical lymph nodes. James J, et al. **Br Dent J** 1986 Jul 5;161(1):17–9

Tuberculous retroperitoneal lymphadenopathy mimicking metastatic pancreatic carcinoma. Barbalinardo RJ, et al. **J Natl Med Assoc** 1986 May;78(5):385–7

The role of ultrasonography in the detection of extrapulmonary tuberculosis in patients with acquired immunodeficiency syndrome (AIDS). Abiri MM, et al. **J Ultrasound Med** 1985 Sep;4(9):471–3

Tuberculous mesenteric lymphadenitis clinically presenting as abdominal mass: CT and sonographic findings. Borgia G, et al. **JCU** 1985 Sep;13(7):491–3

[Pseudotumoral retroperitoneal tuberculosis. Apropos of a case] Belloir A, et al. **J Radiol** 1986 Feb;67(2):141–3 (Eng. Abstr.) **(Fre)**

[Tuberculosis of the cervical lymph nodes: report of 193 cases] Knöbber D, et al. **HNO** 1985 Sep;33(9):400–3 (Eng. Abstr.) **(Ger)**

[Abscess–forming tuberculosis of the lymph nodes] Gäumann N, et al. **Prax Klin Pneumol** 1986 Jun;40(6):279–82 (Eng. Abstr.) **(Ger)**

[Tuberculosis of the cervical lymph nodes: case report] Marzo C, et al. **Arch Monaldi** 1984 Sep–Dec; 39(5–6):397–404 (Eng. Abstr.) **(Ita)**

[Features of the clinical manifestations and course of tuberculous lymphadenitis in children] Babaeva AK. **Probl Tuberk** 1985;(7):56–8 (Eng. Abstr.) **(Rus)**

[Problem of the diagnosis of tuberculosis of the intrathoracic lymph nodes in adults] Isahchenko BP, et al. **Probl Tuberk** 1985;(9):19–22 (Eng. Abstr.) **(Rus)**

[Differential diagnosis of felinosis and tuberculous lymphadenitis] Talantov VA, et al. **Probl Tuberk** 1985;(6):43–6 (Eng. Abstr.) **(Rus)**

[Lymph node–bronchial tuberculosis. Review of 26 cases] Hermida Gutiérrez JA, et al. **Rev Clin Esp** 1986 Apr; 178(7):330–3 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Cervical mycobacterial lymphadenitis. Medical vs surgical management. Castro DJ, et al. **Arch Otolaryngol** 1985 Dec; 111(12):816–9

[Therapeutic observations on 232 cases of intrathoracic lymph node tuberculosis in children] Zhang TX. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1985 Dec;8(6):351–2, 373 (Eng. Abstr.) **(Chi)**

ETIOLOGY

[Retroperitoneal pseudotumor associated with miliary tuberculosis (letter)] Morano Amado L, et al. **Med Clin (Barc)** 1985 Nov 23;85(17):729 **(Spa)**

OCCURRENCE

Extrapulmonary tuberculosis. Experience of a community hospital and review of the literature. Weir MR, et al. **Am J Med** 1985 Oct;79(4):467–78

[The present state of tuberculosis of the skin and lymph nodes in Prague] Herold K. **Cas Lek Cesk** 1985 Oct 4; 124(40):1249–51 (Eng. Abstr.) **(Cze)**

[Structure of newly diagnosed pulmonary tuberculosis of the respiratory organs of adolescents] Aleksandrova TM, et al. **Probl Tuberk** 1985;(7):40–3 (Eng. Abstr.) **(Rus)**

PATHOLOGY

An unusual cause of neck swelling in an elderly female. Davidson CM, et al. **Ala Med** 1985 Dec;55(6):17–20

Pathologic quiz case 2. Scrofula (mycobacterial lymphadenitis). Deutsch EC, et al. **Arch Otolaryngol Head Neck Surg** 1986 Aug;112(8):890–1, 893

Diffuse hyperplasia of lymph node in tuberculosis. Masi JD, et al. **South Med J** 1986 Jul;79(7):891–4

[Tuberculoid lymph node reaction in malignant melanoma] Nödl F. **Z Hautkr** 1986 Jan;61(1–2):25–31 (Eng. Abstr.) **(Ger)**

[Analysis of the process of developing sarcoid granulomas in lymph nodes—a comparison with tuberculous granulomas of the lymph node] Tsuda T, et al. **Kekkaku** 1985 Sep;60(9):475–82 (Eng. Abstr.) **(Jpn)**

[Morphological manifestations of tuberculosis infection at the recent stage] Bubochkin BP, et al. **Probl Tuberk** 1985; (6):56–9 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

[Iconographic rubric. Mediastinal tuberculous adenopathies] Lesbros D, et al. **Arch Fr Pediatr** 1985 May;42(5):389–90 **(Fre)**

SURGERY

[Thorough destruction of necrotic tissue in the treatment of superficial tuberculous lymphadenitis—an analysis of 241 cases] Wang AM. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Apr;9(2):77–8, 125–6 (Eng. Abstr.) **(Chi)**

TUBERCULOSIS, MALE GENITAL

Isolated tuberculous epididymitis. A case report. Calabró A, et al. **Acta Urol Belg** 1986;54(1):109–13

CLASSIFICATION

[The clinical classification of tuberculosis of the penis: report of 2 cases] Lu SY, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Aug;23(8):507, 512 (Eng. Abstr.) **(Chi)**

COMPLICATIONS

An unusual presentation of tuberculous epididymo–orchitis: case report. Neelaranjitharajah PA. **Genitourin Med** 1986 Feb;62(1):61–2

DIAGNOSIS

[Diagnosis of tuberculosis of the prostate] Kamyshan IS, et al. **Probl Tuberk** 1985;(9):53–5 (Eng. Abstr.) **(Rus)**

[Diagnostic importance of determining ejaculate proteins in tuberculous epididymitis] Shkuratov SI, et al. **Probl Tuberk** 1986;(4):47–9 (Eng. Abstr.) **(Rus)**

[Tuberculosis of the prostate] Kamyshan IS, et al. **Urol Nefrol (Mosk)** 1986 Mar–Apr;(2):65–71 (154 ref.) **(Rus)**

PATHOLOGY

Penis tuberculides: papulonecrotic tuberculides on the glans penis. Nishigori C, et al. **Dermatologica** 1986;172(2):93–7

[Tuberculosis of the penis: report of a case and review of the literature] Tanikawa K, et al. **Hinyokika Kiyo** 1985 Jun; 31(6):1065–70 (Eng. Abstr.) **(Jpn)**

TUBERCULOSIS, MENINGEAL

[Tuberculous meningitis in childhood] Tuncer AM, et al. **Mikrobiyol Bul** 1986 Jan;20(1):9–13 (Eng. Abstr.) **(Tur)**

CEREBROSPINAL FLUID

Cerebrospinal fluid lysozyme in the diagnosis of tuberculous meningitis. Selvakumar N, et al. **Indian J Med Res** 1985 Dec;82:479–81

[Normal cerebrospinal fluid glucose in tuberculous meningitis (letter)] Fernández Solá J, et al. **Med Clin (Barc)** 1986 Feb 22;86(7):305–6 **(Spa)**

COMPLICATIONS

Use of intrathecal hyaluronidase in the management of tuberculous meningitis with hydrocephalus. Bhagwati SN, et al. **Childs Nerv Syst** 1986;2(1):20–5

Spontaneous fracture of femur in tubercular meningitis [letter] Balkrishna KK. **Indian Pediatr** 1985 Apr;22(4):325–6

Optic nerve involvement in tuberculous meningitis. Kalra V, et al. **Indian Pediatr** 1985 Oct;22(10):783–5

Prognostic factors and sequelae of tuberculous meningitis in adults. Singh NK, et al. **J Indian Med Assoc** 1985 Feb; 83(2):50–3

Movement disorders in bacterial meningitis. Burstein L, et al. **J Pediatr** 1986 Aug;109(2):260–4

Ocular manifestations of tubercular meningitis: a clinico–biochemical study. Lamba PA, et al. **J Pediatr Ophthalmol Strabismus** 1986 May–Jun; 23(3):123–5

A patient with tuberculous meningitis and a syndrome of inappropriate secretion of antidiuretic hormone. Mulder H, et al. **Neth J Med** 1985;28(11):502–4

[Tuberculous meningitis complicated by massive intracerebral hemorrhage: report of 2 cases] Hu CH. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1986 Apr; 19(2):119–21 (Eng. Abstr.) **(Chi)**

[Medical management of tuberculous hydrocephalus] Alarcón Egas F, et al. **Arch Neurobiol (Madr)** 1985 May–Jun;48(3):133–6 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Meningitis associated with tuberculous arthritis of the knee.

Maier WP, et al. **Am J Med** 1986 Jan;80(1):151–3

Evaluation of adenosine deaminase activity and antibody to Mycobacterium tuberculosis antigen 5 in cerebrospinal fluid and the radioactive bromide partition test for the early diagnosis of tuberculosis meningitis. Coovadia YM, et al. **Arch Dis Child** 1986 May;61(5):428–35

A critical evaluation of B.C.G. test applicability in pediatric practice. Mehta R, et al. **Indian Pediatr** 1986 Jun; 23(6):419–28

Evaluation of bromide partition test in tuberculous meningitis. Mahakul KC, et al. **J Indian Med Assoc** 1985 May;83(5):153–5

Mycobacterium tuberculosis meningitis: a report of twelve cases and a literature review. Clark WC, et al. **Neurosurgery** 1986 May;18(5):604–10

Tuberculous meningitis due to Mycobacterium bovis: a report of two cases. Wilkins EG, et al. **Postgrad Med J** 1986 Jul; 62(729):653–5

Detection of antibodies to protein purified derivate (PPD) for early diagnosis of tuberculous meningitis. Inostroza J, et al. **Prax Klin Pneumol** 1986 Mar;40(3):94–5

The simultaneous determination of cerebrospinal fluid and plasma adenosine deaminase activity as a diagnostic aid in tuberculous meningitis. Donald PR, et al. **S Afr Med J** 1986 Apr 12;69(8):505–7

A new diagnostic test for tuberculous meningitis [editorial] **Tubercle** 1985 Sep;66(3):157–8

[Immunologic diagnosis of tuberculous meningitis] Hou FY, et al. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Apr;9(2):113–5 (15 ref.) **(Chi)**

[Chronic tuberculous meningoencephalitis as a cause of cerebrovascular insufficiency—a differential diagnostic problem] Kleinert R, et al. **Fortschr Neurol Psychiatr** 1986 Mar;54(3):80–3 (Eng. Abstr.) **(Ger)**

[A new (and rapid) test for tuberculous meningitis (editorial)] Lewitt T. **Harefuah** 1985 Jul;109(1–2):46–7 **(Heb)**

DRUG THERAPY

Pyrazinamide in treatment of tuberculous meningitis [letter] Pauranik A, et al. **Arch Neurol** 1986 Oct;43(10):982

Management of tuberculous meningitis. Udani PM. **Indian J Pediatr** 1985 Mar–Apr;52(415):171–4

Adult tuberculous meningitis: comparative study of different chemotherapeutic regimens. Acharya VN, et al. **J Assoc Physicians India** 1985 Sep;33(9):583–5

Polymorphonuclear pleocytosis in the cerebrospinal fluid during chemotherapy for tuberculous meningitis. Teoh R, et al. **J Neurol** 1986 Aug;233(4):237–41

Serum streptomycin levels in tuberculous meningitis in an infant [letter] Kibirige MS, et al. **Lancet** 1986 Apr 5; 1(8484):806–7

Chemotherapy criteria in tuberculous meningitis. Ardizzi A, et al. **Panminerva Med** 1985 Oct–Dec;27(4):201–7

Three chemotherapy studies of tuberculous meningitis in children. Ramachandran P, et al. **Tubercle** 1986 Mar; 67(1):17–29

[Multiple intracranial tuberculomas presenting bitemporal hemianopsia, developing during successful treatment of tuberculous meningitis] Takahashi H, et al. **Rinsho Shinkeigaku** 1986 May;26(5):514–22 (Eng. Abstr.) **(Jpn)**

[Evaluation of rifampicin–isoniazid treatment in tuberculous meningitis] Hermida-Escobedo C, et al. **Rev Latinoam Microbiol** 1985 Oct–Dec;27(4):277–81 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

CSF LDH and its isoenzymes in tubercular and pyogenic meningitis. Chawhan RN, et al. **J Assoc Physicians India** 1985 May;33(5):361–2

ETIOLOGY

CNS tuberculosis. Sheller JR, et al. **Neurol Clin** 1986 Feb; 4(1):143–58 (63 ref.)

[Tuberculous meningoencephalitis occurring in an adult with cold pulmonary miliary tuberculosis] Ispas LT, et al. **Rev Ig [Pneumoftiziol]** 1985 Oct–Dec;34(4):369–73 (Eng. Abstr.) **(Rum)**

IMMUNOLOGY

Cell mediated immunity in tuberculous meningitis. Paranjpe RS, et al. **Indian Pediatr** 1986 Feb;23(2):127–34

Sensitivity and specificity of enzyme-linked immunosorbent assay in the detection of antigen in tuberculous meningitis cerebrospinal fluids. Kadival GV, et al. **J Clin Microbiol** 1986 May;23(5):901–4

Detection of mycobacterial antigen and antibodies in the cerebrospinal fluid of patients with tuberculous meningitis. Chandramuki A, et al. **J Med Microbiol** 1985 Oct; 20(2):239–47

METABOLISM

Blood & urinary biogenic amine levels in tuberculous meningitis. Rao SN, et al. **Indian J Med Res** 1985 Oct; 82:321–4

MICROBIOLOGY

Tuberculous meningitis—clinical and laboratory review of 100 patients. Kilpatrick ME, et al. **J Hyg (Lond)** 1986 Apr; 96(2):231–8

PATHOLOGY

Chronic untreated tuberculous meningitis. Traub M, et al. **J Neurol** 1986 Aug;233(4):254–6

PHYSIOPATHOLOGY

Intracranial pressure monitoring in tuberculous meningitis: clinical and computerized tomographic correlation. Schoeman JF, et al. **Dev Med Child Neurol** 1985 Oct; 27(5):644–54

RADIOGRAPHY

Computed tomography in CNS tuberculosis. Trautmann M, et al. **Eur Neurol** 1986;25(2):91–7

CT signs relevant to the diagnosis of tuberculous meningitis: contrast uptake at tentorial level. Sità D, et al. **Ital J Neurol Sci** 1985 Dec;6(4):509–11

Tuberculous meningitis. Contribution of computerized tomography to its diagnosis and prognosis. Bonafé A, et al. **J Neuroradiol** 1985;12(4):302–16 **(Eng, Fre)**

Meningeal tuberculosis. Gallemore GH, et al. **J Tenn Med Assoc** 1985 Oct;78(10):641–2

[Cerebromeningeal tuberculosis. X-ray computed tomographic aspects apropos of 36 cases] Hamdouch N, et al. **J Radiol** 1985 Nov;66(11):667–72 (Eng. Abstr.) **(Fre)**

[A case of miliary tuberculosis with nodular dissemination to the brain demonstrated by computed tomography] Gemma H, et al. **Kekkaku** 1985 Aug;60(8):455–9 (Eng. Abstr.) **(Jpn)**

THERAPY

[Actual condition and chemotherapy for extrapulmonary tuberculosis in national sanatoria (an observation in tuberculous meningitis and tuberculosis of the central nerve system)—report of the B series of 26 controlled trials of chemotherapy. Cooperative Study Unit of Chemotherapy of Tuberculosis of the National Sanatoria in Japan (CSUCTNS)] Konishiike J, et al. **Kekkaku** 1985 Oct; 60(10):509–15 (Eng. Abstr.) **(Jpn)**

TUBERCULOSIS, MILIARY

COMPLICATIONS

Tuberculosis in renal failure: a high incidence in patients born in the third world. Cuss FM, et al. **Clin Nephrol** 1986 Mar; 25(3):129–33

Mycobacterium tuberculosis bacteremia and disseminated coagulation [letter] Manzella JP, et al. **JAMA** 1985 Nov 15;254(19):2741

Sudden death due to myocardial tuberculosis [letter] Kirsten K, et al. **Thorax** 1985 Oct;40(10):799

Fever and pancytopenia in an alcoholic patient [clinical conference] Barnes P, et al. **West J Med** 1986 Jan; 144(1):58–62

[Tuberculous meningoencephalitis occurring in an adult with cold pulmonary miliary tuberculosis] Ispas LT, et al. **Rev Ig [Pneumoftiziol]** 1985 Oct–Dec;34(4):369–73 (Eng. Abstr.) **(Rum)**

[Retroperitoneal pseudotumor associated with miliary tuberculosis (letter)] Morano Amado L, et al. **Med Clin (Barc)** 1985 Nov 23;85(17):729 **(Spa)**

[Miliary pulmonary tuberculosis and massive hemoptysis (letter)] Villalonga A, et al. **Rev Clin Esp** 1986 May; 178(8):412–3 **(Spa)**

CONGENITAL

[A review of congenital tuberculosis] Zhang PF, et al. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Apr;9(2):116–7 (13 ref.) **(Chi)**

DIAGNOSIS

Non immunological analytic data for the differential diagnosis between miliary tuberculosis (MTBC) and bird breeder's disease (BBD). Madrenas J, et al. **Allergol Immunopathol (Madr)** 1985 Jul–Aug;13(4):301–4

Miliary tuberculosis masquerading as late infection in total hip replacement. Levin ML. **Md Med J** 1985 Feb; 34(2):153–5

Primary miliary tuberculosis of the liver: a case report and diagnostic considerations based on newer radiologic imaging techniques. Krilov LR, et al. **Pediatr Infect Dis** 1986 Jul–Aug;5(4):478–81

Cryptic miliary tuberculosis. Yu YL, et al. **Q J Med** 1986 Apr;59(228):421–8

Miliary tuberculosis causing pancytopenia. A report of 2 cases. Rutovitz JJ. **S Afr Med J** 1986 Mar 29;69(7):451–2

[An autopsy case of undiagnosed non-reactive miliary tuberculosis associated with chronic myelocytic leukemia] Mashimoto H, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Aug; 23(8):947–52 (Eng. Abstr.) **(Jpn)**

[Hematogenous disseminated tuberculosis] Fernández Guerrero ML, et al. **Rev Clin Esp** 1985 Dec;177(9):429–34 (Eng. Abstr.) **(Spa)**

[Bacteriologic diagnosis of miliary tuberculosis at the present time] Guerrero A, et al. **Rev Clin Esp** 1985 Dec; 177(9):435–7 (Eng. Abstr.) **(Spa)**

[Current problems in the diagnosis of miliary tuberculosis (editorial)] Ortiz Vázquez J. **Rev Clin Esp** 1985 Dec; 177(9):425–8 **(Spa)**

ENZYMOLOGY

[Elevated serum angiotensin-converting enzyme in miliary tuberculosis] Abe Y, et al. **Kekkaku** 1985 Nov;60(11):573–6 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

[Characteristics of the course of disseminated pulmonary tuberculosis in patients of different ages] Ignatavichute BK, et al. **Probl Tuberk** 1985;(9):22–4 (Eng. Abstr.) **(Rus)**

[Acquired immune deficiency syndrome in poor countries: disseminated tuberculosis as opportunistic infection in drug addicts? (letter)] Aguado García M, et al. **Med Clin (Barc)** 1986 Jan 25;86(3):132–3 **(Spa)**

RADIOGRAPHY

Miliary tuberculosis associated with adrenal enlargement: CT appearance. Hauser H, et al. **J Comput Assist Tomogr** 1986 Mar–Apr;10(2):254–6

[A case of miliary tuberculosis with nodular dissemination to the brain demonstrated by computed tomography] Gemma H, et al. **Kekkaku** 1985 Aug;60(8):455–9 (Eng. Abstr.) **(Jpn)**

TUBERCULOSIS, OCULAR

DIAGNOSIS

Tuberculosis of the orbit. Khalil M, et al. **Ophthalmology** 1985 Nov;92(11):1624–7

Tuberculoma of the eye; a case report. Ayanru JO, et al. **Trop Geogr Med** 1986 Sep;38(3):301–4

[Field examination of the population for the detection of tuberculosis and nonspecific diseases of the eyes] Chenskikh EP, et al. **Probl Tuberk** 1985;(9):14–5 (Eng. Abstr.) **(Rus)**

[Biogenic amines in the diagnosis of ocular tuberculosis] Gur'eva IG, et al. **Probl Tuberk** 1986;(1):54–7 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Comparative efficacy of the complex treatment of tuberculous uveitis] Shkromida MI, et al. **Oftalmol Zh** 1986; (2):90–2 (Eng. Abstr.) **(Rus)**

ETIOLOGY

[Role of specific hemagglutinating antibodies in the pathogenesis of tuberculous uveitis] Zaltseva NS, et al. **Oftalmol Zh** 1986;(2):73–6 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Primary tuberculosis of the retina. Saini JS, et al. **Br J Ophthalmol** 1986 Jul;70(7):533–5

Tubercular taruitis. Mohan K, et al. **Indian J Ophthalmol** 1985 Mar–Apr;33(2):115–6

Nonmiliary tuberculosis presenting solely with a choroidal lesion [letter] Darrell RW. **Ophthalmology** 1986 Feb; 93(2):276

TUBERCULOSIS, ORAL see under **TUBERCULOSIS**

TUBERCULOSIS, OSTEOARTICULAR

Tuberculosis of flat bones. Mishra SK, et al. **Indian J Chest Dis Allied Sci** 1984 Jul–Sep;26(3):174–6

COMPLICATIONS

Tuberculous pathological fracture of the femur in a 15-year-old boy. Jenyo MS, et al. **Pediatr Radiol** 1986; 16(3):260–1

Pelvic tuberculosis causing abdominal pain [letter] Dall L. **South Med J** 1986 Feb;79(2):261–2

[Multifocal tuberculosis in a 15-year-old child] Valdes L, et al. **Arch Fr Pediatr** 1986 Jan;43(1):45–7 (Eng. Abstr.) **(Fre)**

[Incidence of osteoarticular tuberculosis in hypothyroid children and adolescents] Kochergin VN. **Probl Tuberk** 1985;(7):74 **(Rus)**

DIAGNOSIS

Meningitis associated with tuberculous arthritis of the knee. Maier WP, et al. **Am J Med** 1986 Jan;80(1):151–3

Tuberculous mastoiditis. Samuel J, et al. **Ann Otol Rhinol Laryngol** 1986 May–Jun;95(3 Pt 1):264–6

Tuberculosis joint infection following total knee arthroplasty. Wolfgang GL. **Clin Orthop** 1985 Dec;(201):162–6

Tuberculosis of the ischium. Samar G, et al. **Indian J Pediatr** 1985 May–Jun;52(416):321–2

Tuberculosis of the pubic symphysis. Ker NB. **J R Soc Med** 1986 Jul;79(7):429–30

Tuberculous podagra [letter] Boulware DW, et al. **J Rheumatol** 1985 Oct;12(5):1022–4

Tuberculosis of the middle ear and mastoid antrum in a child: a case report. Reddy MR, et al. **Med J Zambia** 1984 Jun; 18(2):22–3

[Tuberculosis of the skull] Bürer JH, et al.

Ned Tijdschr Geneeskd 1986 Jan 25;130(4):169–72 (Eng. Abstr.) (Dut)
[Spina ventosa, a historic disease] Foasso MF, et al. Arch Fr Pediatr 1985 May;42(5):385–7 (Eng. Abstr.) (Fre)
[Osteoarticular tuberculosis in the Ivory Coast. Apropos of 24 cases] Bauduceau B, et al. Med Trop (Mars) 1986 Jan–Mar;46(1):15–20 (Eng. Abstr.) (Fre)
[Mycobacterial infection of the hip following total prosthesis. Study of 6 cases] Delrieu F, et al. Rev Rhum Mal Osteoartic 1986 Feb;53(2):113–8 (Eng. Abstr.) (Fre)
[Tuberculosis of the knee joint in a BCG–vaccinated child] Gonzalez R, et al. Monatsschr Kinderheilkd 1986 Mar; 134(3):161–3 (Eng. Abstr.) (Ger)
[Osteoarticular tuberculosis without pulmonary involvement. Description of 2 pediatric cases] Verrotti A, et al. Pediatr Med Chir 1985 Jan–Feb;7(1):151–3 (Eng. Abstr.) (Ita)

ETIOLOGY

[BCG osteomyelitis and osteoarthritis] Blaha J, et al. Acta Chir Orthop Traumatol Cech 1986 Apr;53(2):164–8 (Eng. Abstr.) (Cze)

MICROBIOLOGY

[Isolation of Mycobacterium tuberculosis and their L forms from patients with osteoarticular tuberculosis] Krivtsova AE, et al. Probl Tuberk 1986;(3):63–6 (Eng. Abstr.) (Rus)

OCCURRENCE

[Tuberculosis of the skeleton (letter)] Steensma JT. Ned Tijdschr Geneeskd 1986 Mar 22;130(12):558–9 (Dut)
[The status of osteoarticular tuberculosis 1979–1983 in Bratislava and the Western Slovakia Region] Maár D, et al. Acta Chir Orthop Traumatol Cech 1986 Feb;53(1):48–53 (Eng. Abstr.) (Slo)

PATHOLOGY

Severe right hip pain in a 73–year–old woman [clinical conference] Am J Med 1986 Jul;81(1):117–24
Tuberculosis of the jaws. Sepheriadou–Mavropoulou T, et al. J Oral Maxillofac Surg 1986 Feb;44(2):158–62
[Peripheral articular tuberculosis: a study of 20 cases with synovial biopsy] Mera Varela AJ, et al. Med Clin (Barc) 1985 Nov 9;85(15):605–8 (Eng. Abstr.) (Spa)

PHYSIOPATHOLOGY

Tuberculosis of the upper limb joints. Martini M, et al. Int Orthop 1986;10(1):17–23

RADIOGRAPHY

'Kissing sequestra'—a forgotten manifestation of osteo–articular tuberculosis. A case report. Drummond–Webb JJ, et al. S Afr Med J 1986 Apr 12; 69(8):514–5
[Changes in the roentgen image of skeletal tuberculosis] Teertstra HJ, et al. Ned Tijdschr Geneeskd 1986 Jan 25; 130(4):157–62 (Eng. Abstr.) (Dut)
[Secondary changes in the bones of the foot in lupus vulgaris] Triebel HJ, et al. Rontgenblatter 1986 Apr;39(4):100–1 (Eng. Abstr.) (Ger)

RADIONUCLIDE IMAGING

Bone scintigraphy in tuberculous sacroiliitis. Salomon CG, et al. Clin Nucl Med 1986 Jun;11(6):407–8

SURGERY

Amniotic arthroplasty for tuberculosis of the hip. A preliminary clinical study. Vishwakarma GK, et al. J Bone Joint Surg [Br] 1986 Jan;68(1):68–74
[Treatment of tuberculous coxitis with special reference to modern surgical therapy] Kessler P. Z Erkr Atmungsorgane 1985;165(3):259–66 (Eng. Abstr.) (Ger)
[Tuberculosis of the shoulder joint] Richter R, et al. Z Orthop 1986 Jan–Feb;124(1):36–45 (Eng. Abstr.) (Ger)
[Radical restorative operations in tuberculosis of the large joints of the upper extremity] Marakusha IG. Probl Tuberk 1986;(5):48–52 (Eng. Abstr.) (Rus)
[Autotransplantation of articular cartilage which had undergone dystrophic change] Marakusha IG. Probl Tuberk 1985;(7):67–70 (Eng. Abstr.) (Rus)
[Use of laser beams in the surgical treatment of osteoarticular tuberculosis] Suleimanov I, et al. Probl Tuberk 1985; (9):40–3 (Eng. Abstr.) (Rus)

THERAPY

Tuberculosis of the knee. Kerri O, et al. Int Orthop 1985; 9(3):153–7
[Shoulder girdle and shoulder joint tuberculosis] Richter R, et al. Z Rheumatol 1985 Mar–Apr;44(2):87–92 (Eng. Abstr.) (Ger)

VETERINARY

Tuberculous osteomyelitis caused by Mycobacterium intracellulare in the brush–tailed bettong. Richardson KC, et al. J Wildl Dis 1986 Jul;22(3):425–9

TUBERCULOSIS, PERITONEAL

COMPLICATIONS

Tuberculous peritonitis in Lesotho. Menzies RI, et al. Tubercle 1986 Mar;67(1):47–54
[A case of pulmonary tuberculosis associated with acute tuberculous perforation of the small intestine] Iwasaki H, et al. Kekkaku 1986 Jun;61(6):351–5 (Eng. Abstr.) (Jpn)
[A case of tuberculosis of the pancreas and peritoneum in alcoholic liver cirrhosis] Platek H, et al. Wiad Lek 1986 Apr 15;39(8):555–7 (Eng. Abstr.) (Pol)
[Gastric tuberculosis associated with peritoneal tuberculosis (letter)] Blázquez Encinar JC, et al. Rev Clin Esp 1985 Dec; 177(9):471 (Spa)

DIAGNOSIS

Peritoneal tuberculosis imitating ovarian carcinoma "special category". Lachman E, et al. Acta Obstet Gynecol Scand 1985;64(8):677–9
Medical pathology conference. A 37–year–old woman with liver dysfunction, abdominal pain, and fever. Garcia JH, et al. Ala J Med Sci 1985 Oct;22(4):411–5
Peritonitis due to genital tuberculosis. Svendsen JH, et al. Ann Chir Gynaecol 1985;74(4):180–2
Low protein content or ascitic fluid—a pitfall in the diagnosis of abdominal tuberculosis [letter] Rolston DD, et al. Indian J Gastroenterol 1985 Oct;4(4):283
The diagnostic value of glucose in pleural/peritoneal fluid in tuberculosis. Wilkins EG. Indian J Pediatr 1985 Nov–Dec;52(419):561–3
Abdominal tuberculosis: still a problem today. Wells AD, et al. J R Soc Med 1986 Mar;79(3):149–53
Tuberculous peritonitis in an infant. Woolf A, et al. Pediatr Infect Dis 1985 Nov–Dec;4(6):684–6
Diagnosis of tuberculosis by detection of mycobacterial antigen in pleural effusions and ascites. Baig MM, et al. S Afr Med J 1986 Jan 18;69(2):101–2
Elusive diagnosis of tuberculous peritonitis. Martin RE, et al. South Med J 1986 Sep;79(9):1076–9
An unusual case of tuberculous peritonitis in a man with AIDS. Barnes P, et al. West J Med 1986 Apr;144(4):467–9
Tuberculous peritonitis and liver cirrhosis [letter] Salmi A. West J Med 1986 Apr;144(4):476–7
[Pain in the abdomen and nocturnal sweating, a singular combination (letter)] Ovink AH, et al. Ned Tijdschr Geneeskd 1985 Aug 17;129(33):1604 (Dut)
[Tuberculous peritonitis. Presentation of 2 cases and review of the literature] Guyot J. Schweiz Rundsch Med Prax 1986 Jun 3;75(23):697–700 (Eng. Abstr.) (Fre)
[Pseudotumoral forms of peritoneal tuberculosis] Hamza M, et al. Tunis Med 1985 Jun–Jul;63(6–7):349–52 (Eng. Abstr.) (Fre)
[Rare abdominal manifestations of tuberculosis: isolated splenic tuberculosis and peritoneal tuberculosis] Asamer H, et al. Schweiz Med Wochenschr 1986 Mar 29; 116(13):400–3 (Eng. Abstr.) (Ger)
[A case diagnosed as tuberculous pleurisy and peritonitis by peritoneal biopsy] Terasaki H, et al. Kekkaku 1985 Jun; 60(6):371–7 (Eng. Abstr.) (Jpn)
[Two cases of tuberculous peritonitis with preoperative suspicious diagnosis of malignant ovarian tumors] Aisaka K, et al. Nippon Sanka Fujinka Gakkai Zasshi 1986 Jul; 38(7):1154–7 (Jpn)
[Difficulties in the diagnosis of tuberculous peritonitis] Jakubów H, et al. Wiad Lek 1986 Feb 1;39(3):206–8 (Eng. Abstr.) (Pol)
[Tuberculous peritonitis. Report of a case] Zzrallo Cortés L, et al. An Esp Pediatr 1985 Jul;23(1):62–4 (Spa)

DRUG THERAPY

[Actual condition and chemotherapy of extrapulmonary tuberculosis in national sanatoria. (An observation in intestinal tuberculosis and tuberculous peritonitis)—report of the B series of 26th controlled trials of chemotherapy. Cooperative Study Unit of Chemotherapy of Tuberculosis of National Sanatoria in Japan (CSUCTNS)] Konishiike J, et al. Kekkaku 1986 Apr;61(4):243–52 (Eng. Abstr.) (Jpn)

ETIOLOGY

Mycobacterium tuberculosis as a cause of peritonitis in a patient undergoing continuous ambulatory peritoneal dialysis. Ludlam H, et al. J Infect 1986 Jan;12(1):75–7

PATHOLOGY

Tuberculous peritonitis—report of 30 cases and review of the literature. Bastani B, et al. Q J Med 1985 Sep; 56(221):549–57

RADIOGRAPHY

Computed tomography of omental pathology. Cooper C, et al. J Comput Assist Tomogr 1986 Jan–Feb;10(1):62–6

TUBERCULOSIS, PLEURAL

COMPLICATIONS

Primary squamous cell carcinoma of pleura. Dharkar DD, et al. IMJ 1986 Jul;170(1):27–9

DIAGNOSIS

Diagnostic thoracentesis and pleural biopsy [letter] Ocaña I, et al. Ann Intern Med 1986 Aug;105(2):297–8
Empyema thoracis: a review of 70 cases. Agarwal SK, et al. Indian J Chest Dis Allied Sci 1985 Jan–Mar;27(1):17–22
The diagnostic value of glucose in pleural/peritoneal fluid in tuberculosis. Wilkins EG. Indian J Pediatr 1985 Nov–Dec;52(419):561–3
Diagnosing tuberculous pleural effusion: comparative sensitivity of mycobacterial culture, histopathology and adenosine deaminase activity. Sinha PK, et al. J Assoc Physicians India 1985 Oct;33(10):644–5
Case 22–1985; an 88–year–old man with a pleural effusion [letter] N Engl J Med 1985 Oct 24;313(17):1088–90
Diagnosis of tuberculosis by detection of mycobacterial antigen in pleural effusions and ascites. Baig MM, et al. S Afr Med J 1986 Jan 18;69(2):101–2
[Study of lysozyme activity for the differential diagnosis of tuberculous and malignant pleural fluids] Wang XF. Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1984 Aug;7(4):222–3, 254 (Eng. Abstr.) (Chi)
[Chromosome examination in the differential diagnosis of tuberculous and malignant pleural effusions] Zhu YZ. Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1984 Aug;7(4):216–8, 254 (Eng. Abstr.) (Chi)
[Immunological assay of the CA–125 value in pleural effusion in various types of pleuritis—its application as a differential diagnostic parameter of tuberculous or carcinomatous pleuritis] Mitsutake Y, et al. Gan No Rinsho 1986 May; 32(5):453–7 (Eng. Abstr.) (Jpn)
[A case of tuberculous empyema of necessity] Asakura H, et al. Kekkaku 1986 May;61(5):299–302 (Eng. Abstr.) (Jpn)
[A case diagnosed as tuberculous pleurisy and peritonitis by peritoneal biopsy] Terasaki H, et al. Kekkaku 1985 Jun; 60(6):371–7 (Eng. Abstr.) (Jpn)
[Clotting, fibrinolytic and complement activities in pleural fluids in carcinomatous and tuberculous pleuritis] Uchida K. Nippon Kyobu Shikkan Gakkai Zasshi 1985 May; 23(5):548–56 (Eng. Abstr.) (Jpn)
[Tuberculous pleurisy in adults; diagnostic and therapeutic aspects in 65 cases] Vainer E, et al. Rev Ig [Pneumoftiziol] 1986 Jan–Mar;35(1):85–8 (Rum)
[Pleural puncture biopsy in the differential diagnosis of exudative pleurisy] Rybalko VV, et al. Voen Med Zh 1985 Oct;(10):56 (Rus)
[Pleural tuberculosis and determination of adenosine deaminase (letter)] Cardona Iguacén MJ, et al. Med Clin (Barc) 1985 Oct 26;85(13):559 (Spa)

DRUG THERAPY

Short–course chemotherapy for pleural tuberculosis. Nine years' experience in routine treatment service. Dutt AK, et al. Chest 1986 Jul;90(1):112–6

ENZYMOLOGY

Measurements of enzymatic activities in pleural exudates with chromogenic substrates. Widström O, et al. Thromb Res 1986 Jun 15;42(6):859–64

IMMUNOLOGY

Frequency of tuberculin–reactive T–lymphocytes in pleural fluid and blood from patients with tuberculous pleurisy. Fujiwara H, et al. Chest 1986 Apr;89(4):530–2
T–lymphocytes and pleural tuberculosis [editorial] Rohrbach MS, et al. Chest 1986 Apr;89(4):473–4
Determination of the T–cell subset producing gamma–interferon in tuberculous pleural effusion. Shimokata K, et al. Microbiol Immunol 1986;30(4):353–61
[T–lymphocyte subsets in tuberculous pleurisy] Ion N, et al. Rev Ig [Pneumoftiziol] 1986 Jan–Mar;35(1):57–61 (Eng. Abstr.) (Rum)

OCCURRENCE

Extrapulmonary tuberculosis. Experience of a community hospital and review of the literature. Weir MR, et al. Am J Med 1985 Oct;79(4):467–78
[Structure of newly diagnosed pulmonary tuberculosis of the respiratory organs of adolescents] Aleksandrova TM, et al. Probl Tuberk 1985;(7):40–3 (Eng. Abstr.) (Rus)

PATHOLOGY

[Morphological manifestations of tuberculosis infection at the recent stage] Bubochkin BP, et al. Probl Tuberk 1985; (6):56–9 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

[A clinical study of tuberculous pleurisy] Kawachi H, et al. Kekkaku 1985 Nov;60(11):567–71 (Eng. Abstr.) (Jpn)

RADIOGRAPHY

CT demonstration of empyema necessitatis. Bhatt GM, et

al. J Comput Assist Tomogr 1985 Nov-Dec;9(6):1108-9

THERAPY

Successful nonsurgical treatment of tuberculous empyema in an irreducible pleural space. Neihart RE, et al. Chest 1985 Nov;88(5):792-4

TUBERCULOSIS, PULMONARY

see related
COLLAPSE THERAPY
MASS CHEST X-RAY
PNEUMONECTOMY

Tuberculosis—a bridge to chronic disease epidemiology. Comstock GW. Am J Epidemiol 1986 Jul;124(1):1-16 (47 ref.)

No granules, no mycetomas [letter] Matsumoto T, et al. Chest 1986 Jul;90(1):151-2

Stenotic tuberculous tracheitis treated with resection and anastomosis. Mellem H, et al. Eur J Respir Dis 1986 Mar; 68(3):224-5

The implementation of tuberculosis policy in three areas in South Africa. Thomson EM, et al. S Afr Med J 1986 Aug 30;70(5):258-62

[Current clinical study of pulmonary disease due to Mycobacterium kansasii or M. avium intracellulare in the United States] Zhu RN. Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1986 Feb;9(1):45-7 (16 ref.) (Chi)

[Tuberculous bronchopneumonia] Stamenkovic I. Rev Med Suisse Romande 1986 Feb;106(2):183-5 (Fre)

[Methods of improving the postgraduate training of phthisiologists] Poletaev SD. Probl Tuberk 1986;(2):13-5 (Eng. Abstr.) (Rus)

[Evaluation of the effectiveness of training in phthisiatry by the objective test method] Svitneva AS, et al. Probl Tuberk 1986;(5):11-3 (Eng. Abstr.) (Rus)

BLOOD

RDW in patients with tuberculosis [letter] Bessman JD, et al. Am J Clin Pathol 1986 Aug;86(2):263-4

Hypercalcemia associated with increased circulating 1,25 dihydroxyvitamin D in a patient with pulmonary tuberculosis. Bell NH, et al. Calcif Tissue Int 1985 Dec; 37(6):588-91

Serum protein profile in patients with pulmonary tuberculosis. Kailasam S, et al. Indian J Med Res 1985 Jun; 81:551-7

Serum zinc and copper in tuberculosis. Ahmad P, et al. Indian Pediatr 1985 Oct;22(10):786-8

Influence of piperine on rifampicin blood levels in patients of pulmonary tuberculosis. Zutshi RK, et al. J Assoc Physicians India 1985 Mar;33(3):223-4

Importance of serum zinc and copper in pulmonary tuberculosis of childhood. Sinha RK, et al. J Indian Med Assoc 1985 Oct;83(10):342-4

A study of vitamin D levels in Indonesian patients with untreated pulmonary tuberculosis. Grange JM, et al. Tubercle 1985 Sep;66(3):187-91

[Preliminary observation on the detection of tubercle antibodies in the micro-serum of auricular lobulus by ELISA] Fan XH. Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1986 Apr;9(2):68-9, 125 (Eng. Abstr.) (Chi)

[Studies on the blood level of RFP and new administration method of RFP in relation to other anti-tuberculous drugs] Matsumiya T, et al. Kekkaku 1985 Sep;60(9):483-94 (Eng. Abstr.) (Jpn)

[Use of a test to determine the spontaneous migration of neutrophilic granulocytes in clinical pulmonary tuberculosis] Shatrov VA, et al. Lab Delo 1986;(4):238-40 (Eng. Abstr.) (Rus)

[Genetically determined haptoglobin types in patients with pulmonary tuberculosis] Kaminskaia GO, et al. Probl Tuberk 1986;(2):50-2 (Eng. Abstr.) (Rus)

[Lipid peroxidation indices of the blood in children with tuberculosis and drug allergy] Kazakov KS, et al. Probl Tuberk 1985;(10):41-3 (Eng. Abstr.) (Rus)

[Indices of the kallikrein-kinin system of the blood in adolescent tuberculosis patients] Maliutina IV. Probl Tuberk 1985;(7):13-8 (Eng. Abstr.) (Rus)

[Evaluation of the functional status of peripheral blood phagocytes in pulmonary tuberculosis patients] Shatrov VA. Probl Tuberk 1985;(7):18-21 (Eng. Abstr.) (Rus)

[Changes in the concentration of cyclic nucleotides in the blood of pulmonary tuberculosis patients during chemotherapy] Sokol TV. Probl Tuberk 1985;(10):46-9 (Eng. Abstr.) (Rus)

COMPLICATIONS

Red blood cell distribution width in the anemia secondary to tuberculosis. Baynes RD, et al. Am J Clin Pathol 1986 Feb;85(2):226-9

Pulmonary mycetoma following Mycobacterium kansasii infection. Report of seven cases. Maliwan N, et al. Arch Intern Med 1985 Dec;145(12):2180-3

Pulmonary Mycobacterium tuberculosis in acquired immune deficiency syndrome. Dobie N, et al. Br Med J [Clin Res] 1985 Sep 28;291(6499):849-50

Pulmonary tuberculosis and bronchocoestric granulomatosis. Maguire GP, et al. Chest 1986 Apr;89(4):606-8

Tuberculosis in renal failure: a high incidence in patients born in the third world. Cuss FM, et al. Clin Nephrol 1986 Mar; 25(3):129-33

Absence of mycobacterial antibody in patients with acquired immune deficiency syndrome. Wayne LG, et al. Eur J Clin Microbiol 1986 Jun;5(3):363-5

Malnutrition in African patients with pulmonary tuberculosis. Harries AD, et al. Hum Nutr Clin Nutr 1985 Sep; 39(5):361-3

Pulmonary tuberculosis complicating situs inversus. Jain NK, et al. Indian J Chest Dis Allied Sci 1984 Oct-Dec; 26(4):267-8

Chest infection due to M. fortuitum in a case of lepromatous leprosy—a case report. Katoch K, et al. Indian J Lepr 1985 Apr-Jun;57(2):399-403

Sequelae of pulmonary tuberculosis. Mehra DS. J Indian Med Assoc 1985 Dec;83(12):416-7

Tuberculous left vocal cord palsy: a timely reminder. Hamilton JR, et al. J Laryngol Otol 1986 Jul;100(7):837-8

Complete subglottic stenosis secondary to tuberculosis. Herzog JA, et al. Otolaryngol Head Neck Surg 1985 Oct; 93(5):666-9

Association of achalasia and pulmonary Mycobacterium fortuitum infection. Aronchick JM, et al. Radiology 1986 Jul;160(1):85-6

Superinfection by Aspergillus fumigatus of a pulmonary lesion caused by Mycobacterium xenopi. Choudat D, et al. Tubercle 1986 Mar;67(1):71-4

Bronchial stenosis. A complication of healed endobronchial tuberculosis. Smith JL, et al. West J Med 1986 Mar; 144(3):361-2

[Comparison of atelectasis occurring in pulmonary cancer and pulmonary tuberculosis] Xiao CS. Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1985 Aug;8(4):205-6, 254 (Eng. Abstr.) (Chi)

[Sarcoidosis associated with tuberculosis: report of a case with a review of relevant literature] Yu WQ, et al. Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1985 Aug;8(4):196-8, 254 (Eng. Abstr.) (Chi)

[A sailor with a swelling in the abdomen (letter)] Gernaat HB. Ned Tijdschr Geneeskd 1986 May 31;130(22):1029-30 (Dut)

[Apropos of a case of chronic lung disease caused by Allescheria-Boydii] Forouzeche M, et al. Arch Monaldi 1984 Sep-Dec;39(5-6):375-80 (Fre)

[Primary pulmonary lymphoma on a cicatrix (letter)] Hubert D, et al. Presse Med 1985 Jul 13-20;14(28):1516 (Fre)

[Active pulmonary tuberculosis in lung cancer] Shachor J, et al. Harefuah 1986 Mar 16;110(6):283-5 (Eng. Abstr.) (Heb)

[Multilocular round opacity in the right hemithorax] Citro A, et al. Arch Monaldi 1984 Sep-Dec;39(5-6):427-31 (Eng. Abstr.) (Ita)

[Unusual finding of a calcified mediastinal mass of tuberculous origin] Dore R, et al. Radiol Med (Torino) 1986 Jan-Feb;72(1-2):59-61 (Ita)

[Lung cancer of scars. Old and new problems] Perri G, et al. Radiol Med (Torino) 1985 Apr;71(4):223-6 (Eng. Abstr.) (Ita)

[Clinical investigation of correlationship between pulmonary tuberculosis and drinking] Ako H, et al. Kekkaku 1985 Dec; 60(12):609-16 (Eng. Abstr.) (Jpn)

[A case of pulmonary tuberculosis associated with acute tuberculous perforation of the small intestine] Iwasaki H, et al. Kekkaku 1986 Jun;61(6):351-5 (Eng. Abstr.) (Jpn)

[Diabetic visceral neuropathy in a patient with pulmonary tuberculosis] Sosnowski W, et al. Pneumonol Pol 1985 May; 53(5):251-5 (Eng. Abstr.) (Pol)

[Cecal fistula after appendectomy in a patient with cervical cancer and pulmonary tuberculosis] Głuszek S. Wiad Lek 1986 Jan 1;39(1):45-8 (Eng. Abstr.) (Pol)

[Superior vena cava syndrome caused by tuberculosis of the hilar lymph nodes] Kozielski J, et al. Wiad Lek 1986 Apr 15;39(8):550-4 (Eng. Abstr.) (Pol)

[Anatomical causes of cor pulmonale in a university hospital in the region of Campinas, SP. A retrospective autopsy study] de Faria JL, et al. AMB 1985 Nov-Dec; 31(11-12):241-4 (Eng. Abstr.) (Por)

[Observations of cases of the posttuberculosis syndrome hospitalized over the last 10 years at the Constanta TB Hospital] Didilescu C. Rev Ig [Pneumoftiziol] 1985 Jul-Sep; 34(3):277-80 (Eng. Abstr.) (Rum)

[Tuberculous meningoencephalitis occurring in an adult with cold pulmonary miliary tuberculosis] Ispas LT, et al. Rev Ig [Pneumoftiziol] 1985 Oct-Dec;34(4):369-73 (Eng. Abstr.) (Rum)

[Clinico-therapeutic considerations on the association of pulmonary tuberculosis and ulcerative disease] Mihăltan F, et al. Rev Ig [Pneumoftiziol] 1986 Jan-Mar;35(1):31-8 (Eng. Abstr.) (Rum)

[Peripheral cancer of the lung and tuberculosis] Kodolova IM, et al. Arkh Patol 1986;48(3):52-60 (Eng. Abstr.) (Rus)

[Experience with the surgical treatment of pulmonary tuberculosis associated with cancer] Zhingel' IP, et al. Grudn Khir 1985 Sep-Oct;(5):52-5 (Eng. Abstr.) (Rus)

[The occupational medicine expert's evaluation of the working capacity of workers disabled as a consequence of active pulmonary tuberculosis] Probl Tuberk 1985; (9):70-3 (Rus)

[Changes in indices of immunity in patients with pulmonary tuberculosis complicated by chronic bronchitis] Abashev IM, et al. Probl Tuberk 1985;(11):36-40 (Eng. Abstr.) (Rus)

[Genital tuberculosis in women with clinically cured pulmonary tuberculosis] Akhmedova DA, et al. Probl Tuberk 1985;(9):15-7 (Eng. Abstr.) (Rus)

[Roentgen diagnosis of respiratory disorders in post-tuberculous changes in the lungs] Amosov IS, et al. Probl Tuberk 1985;(9):27-31 (Eng. Abstr.) (Rus)

[Diagnosis of cancer of the larynx in tuberculosis patients] Arzamastsev SIa. Probl Tuberk 1985;(7):10-3 (Eng. Abstr.) (Rus)

[Endovascular occlusion of bronchial arteries in patients with pulmonary tuberculosis and recurrent hemorrhage] Bogush LK, et al. Probl Tuberk 1986;(5):40-3 (Eng. Abstr.) (Rus)

[A case of perforation of the esophagus and the right main bronchus by petrified lymph nodes] Cherkasskil LA, et al. Probl Tuberk 1986;(2):63-4 (Rus)

[Criteria of the activity of nonspecific endobronchitis in patients with pulmonary tuberculosis treated surgically] Chernyshov VN, et al. Probl Tuberk 1986;(3):28-31 (Eng. Abstr.) (Rus)

[Detection of hepatitis B surface antigen (HBsAg) in patients with pulmonary tuberculosis] Fondaminskaia LD. Probl Tuberk 1986;(3):25-7 (Eng. Abstr.) (Rus)

[Characteristics of the course of disseminated pulmonary tuberculosis in patients of different ages] Ignatavichute BK, et al. Probl Tuberk 1985;(9):22-4 (Eng. Abstr.) (Rus)

[Hemoptysis and pulmonary hemorrhage in patients with infiltrative pulmonary tuberculosis] Karapetian ET, et al. Probl Tuberk 1986;(5):17-20 (Eng. Abstr.) (Rus)

[Development of destructive and caseous forms of pulmonary tuberculosis and indications for their surgical treatment] Kariev TM, et al. Probl Tuberk 1985;(9):7-10 (Eng. Abstr.) (Rus)

[Chronic non-specific diseases of the lungs in patients registered at a tuberculosis control dispensary] Klimakhin IuD, et al. Probl Tuberk 1985;(11):9-11 (Eng. Abstr.) (Rus)

[Role of antioxidant therapy in the complex treatment of patients with pulmonary tuberculosis associated with diabetes mellitus] Kravtsova IV. Probl Tuberk 1985; (7):33-7 (Eng. Abstr.) (Rus)

[A case of mucoviscidosis associated with pulmonary tuberculosis in an adult] Krut'ko VS, et al. Probl Tuberk 1986;(3):71-2 (Rus)

[Pulmonary tuberculosis in patients with concomitant gastric and duodenal ulcers and expert evaluation of their work capacity] Maslova BG, et al. Probl Tuberk 1985;(6):15-7 (Eng. Abstr.) (Rus)

[Detection of aspergillosis among patients with lung diseases] Minsker OB, et al. Probl Tuberk 1985;(6):39-43 (Eng. Abstr.) (Rus)

[Newly diagnosed destructive tuberculosis of the lungs in patients with bronchial obstruction] Minster VA. Probl Tuberk 1985;(7):7-10 (Eng. Abstr.) (Rus)

[Pulmonary tuberculosis associated with diseases of the digestive organs] Savula MM, et al. Probl Tuberk 1985; (6):35-9 (Eng. Abstr.) (Rus)

[Bacteriological and serological research on patients with destructive pulmonary tuberculosis complicated by a nonspecific infection] Selina LG, et al. Probl Tuberk 1986; (4):57-60 (Eng. Abstr.) (Rus)

[Diagnosis of chronic bronchitis in patients with newly detected destructive pulmonary tuberculosis] Shal'min AS, et al. Probl Tuberk 1986;(6):22-3 (Eng. Abstr.) (Rus)

[Course and outcome of infiltrative pulmonary tuberculosis in bronchial stenosis] Sharkova TI, et al. Probl Tuberk 1985; (9):25-7 (Eng. Abstr.) (Rus)

[Effect of streptococcal and staphylococcal infections on the course of experimental tuberculosis] Tikhomirov VIa, et al. Probl Tuberk 1986;(6):53-8 (Eng. Abstr.) (Rus)

[Association of fibrosing alveolitis and tuberculosis of the lungs and intrathoracic lymph nodes] Tregubov ES. Probl Tuberk 1986;(2):61-2 (Rus)

[Interrelation of the x-ray detectable signs of past pulmonary tuberculosis with the spread of chronic bronchitis] Zhiugzhda AIu, et al. Probl Tuberk 1986;(4):30-2 (Eng. Abstr.) (Rus)

[Amyloidosis in pulmonary tuberculosis and chronic nonspecific lung diseases in Leningrad hospitals for adults (autopsy data)] Rumiantseva VV, et al. Ter Arkh 1985; 57(6):129-31 (Rus)

[Roentgeno-endoscopic parallels in diseases of the stomach and duodenum in patients with tuberculosis] Petrenko VM, et al. Vrach Delo 1985 Dec;(12):23-5 (Eng. Abstr.) (Rus)

[Chronic bronchitis and tuberculosis: syntropy, dystropy?] Zapatero Domínguez J. An R Acad Nac Med (Madr) 1986; 103(1):59-77 (Spa)

[Empyema caused by Aspergillus. Apropos of 3 cases] Brau Beltrán J, et al. Rev Clin Esp 1986 May;178(9):444-6 (Eng. Abstr.) (Spa)

[Miliary pulmonary tuberculosis and massive hemoptysis (letter)] Villalonga A, et al. Rev Clin Esp 1986 May; 178(8):412-3 (Spa)

[Unspecific bronchial hyperreactivity in inactive pulmonary tuberculosis] Ascić P, et al. Rev Med Chil 1985 Apr; 113(4):287-90 (Eng. Abstr.) (Spa)

[[Treatment of silico-tuberculosis (letter)] Oyanguren H. Rev Med Chil 1985 May;113(5):469-70 (Spa)

CONGENITAL

Neonatal tuberculosis. Bate TW, et al. **Arch Dis Child** 1986 May;61(5):512–4

DIAGNOSIS

Enzyme-linked immunosorbent assay (ELISA) with staphylococcal protein A–horseradish peroxidase conjugate and exocellular native proteic antigens in an attempt to be used as a diagnostic tool in pulmonary tuberculosis. Stavri D, et al. **Arch Roum Pathol Exp Microbiol** 1985 Jul–Sep;44(3):229–37

Suspected cases of pulmonary tuberculosis referred from port of entry [letter] Horsfield N, et al. **Br Med J [Clin Res]** 1986 Mar 15;292(6522):765

Suspected cases of pulmonary tuberculosis referred from port of entry into Great Britain, 1980–3. Markey AC, et al. **Br Med J [Clin Res]** 1986 Feb 8;292(6517):378

Endobronchial tuberculosis revisited. Ip MS, et al. **Chest** 1986 May;89(5):727–30

Soluble antigen fluorescent antibody test in serodiagnosis of pulmonary tuberculosis. Kiran U, et al. **Eur J Respir Dis** 1985 Sep;67(3):204–8

ELISA in the diagnosis of pulmonary tuberculosis. Singh MM, et al. **Indian J Chest Dis Allied Sci** 1985 Jul–Sep; 27(3):164–70

A combined detection & drug susceptibility testing of Mycobacterium tuberculosis in smear positive sputum samples using biphasic vial radiometric method. Shah DH, et al. **Indian J Med Res** 1986 Feb;83:123–35

ELISA of IgG antibody to M. tuberculosis antigen 5 for serodiagnosis of tuberculosis. Daniel TM, et al. **Indian J Pediatr** 1985 Jul–Aug;52(417):349–55

A critical evaluation of B.C.G. test applicability in pediatric practice. Mehta R, et al. **Indian Pediatr** 1986 Jun; 23(6):419–28

Comparative study of the different methods of collection of sputum samples in tuberculous patients. Abdel Aziz A, et al. **J Egypt Public Health Assoc** 1985;60(1–2):61–9

Atypical pulmonary mycobacterioses. Epidemiology, diagnosis, and treatment. O'Brien RJ. **J Med Assoc Ga** 1986 Jan;75(1):35–9

An assessment of the enzyme-linked immunosorbent assay (ELISA) for diagnosis of pulmonary tuberculosis. Thongkrajai P, et al. **J Med Assoc Thai** 1986 Jun; 69(6):324–9

Bronchial washings in the diagnosis of pulmonary tuberculosis. Santiago SM, et al. **Milit Med** 1986 May; 151(5):285–7

Clinical conference on tuberculosis and sarcoidosis. **NY State J Med** 1986 Jun;86(6):303–9

Diagnosis of sputum smear- and sputum culture-negative pulmonary tuberculosis. Cowie RL, et al. **S Afr Med J** 1985 Dec 7;68(12):878

Progressive pulmonary disease caused by Mycobacterium gordonae. Guarderas J, et al. **South Med J** 1986 Apr; 79(4):505–7

Present position of microscopy and of culture in diagnostic mycobacteriology. Urbanczik R. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1985 Aug; 260(1):81–7

[Identification of atypical mycobacterium infections by PPD-B skin tests] Dong MX. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Feb;9(1):48–50 (17 ref.) (Chi)

[A sailor with a swelling in the abdomen] Rijnberg WJ, et al. **Ned Tijdschr Geneeskd** 1986 Jan 25;130(4):147–9 (Dut)

[Status of the bacteriologic diagnosis of tuberculosis in Germany—results of quality testing in 2 ring trials] Küchler R. **Off Gesundheitswes** 1986 Mar;48(3):127–32 (Eng. Abstr.) (Ger)

[Current topics in tuberculosis] **Prax Klin Pneumol** 1985 Dec; 39 Suppl 1:739–79 (Ger)

[Method for improving the diagnostic animal study in the detection of mycobacterial] Köhler B, et al. **Z Erkr Atmungsorgane** 1986;166(3):281–5 (Eng. Abstr.) (Ger)

[Lower lobe tuberculosis] Karman S, et al. **Harefuah** 1985 Dec 1;109(11):354–5 (Heb)

[The detection of antibodies against purified mycobacterial glycolipids as a serodiagnostic test in tuberculosis] Shigeoka H. **Kansenshogaku Zasshi** 1985 Oct;59(10):984–95 (Eng. Abstr.) (Jpn)

[Analysis of pulmonary tuberculomas diagnosed by exploratory excision] Arai T, et al. **Kekkaku** 1986 Jan; 61(1):1–7 (Eng. Abstr.) (Jpn)

[Comparison of the frequency of the symptoms between the patients with lung cancer and pulmonary tuberculosis] Hara H, et al. **Kekkaku** 1985 Jul;60(7):405–10 (Eng. Abstr.) (Jpn)

[The usefulness of transbronchial lung biopsy for diagnosis of pulmonary tuberculosis] Honda Y, et al. **Kekkaku** 1986 Jan;61(1):19–21 (Eng. Abstr.) (Jpn)

[Diagnosis of hydrothorax based on biochemical parameters] Morishita M. **Kekkaku** 1986 Jan;61(1):45–9 (Jpn)

[The primary lung cancer cases who had been treated as pulmonary tuberculosis] Sato H, et al. **Kekkaku** 1985 Jun; 60(6):361–4 (Eng. Abstr.) (Jpn)

[Studies on patients transferred from general wards to the tuberculosis ward] Shimokata K, et al. **Kekkaku** 1985 Oct; 60(10):505–8 (Eng. Abstr.) (Jpn)

[Clinical application of a single radial complement fixation test with complement film as a diagnostic method for pulmonary tuberculosis] Takai A, et al. **Kekkaku** 1986 Jun; 61(6):327–31 (Eng. Abstr.) (Jpn)

[Pulmonary tuberculosis in Saitama Cancer Center Hospital; a review of 109 cases] Noguchi Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 May; 23(5):563–8 (Eng. Abstr.) (Jpn)

[Evaluation of the diagnostic procedures and the fates of newly-registered patients in the group of bacteriologically unconfirmed active tuberculosis (group II B)] Szczuka I. **Pneumonol Pol** 1985 Jul;53(7):349–55 (Eng. Abstr.) (Pol)

[Data preceding the diagnosis of pulmonary tuberculosis and time elapsed till the beginning of treatment in patients enrolled at a health center, São Paulo (Brazil)] Job JR, et al. **Rev Saude Publica** 1986 Feb;20(1):21–5 (Eng. Abstr.) (Por)

[Current bacteriological diagnosis of tuberculosis. I. The efficiency of bacteriological methods in identifying sources of infection] Bercea O, et al. **Rev Ig [Pneumoftiziol]** 1985 Oct–Dec;34(4):301–11 (Eng. Abstr.) (Rum)

[Causes responsible for delaying the detection of adult tuberculosis in the current stage of the anti-tuberculosis campaign] Jozefovics F, et al. **Rev Ig [Pneumoftiziol]** 1986 Jan–Mar;35(1):45–56 (Eng. Abstr.) (Rum)

[Current modalities of the onset and manifestation of pulmonary tuberculosis] Mihăiţan F. **Rev Ig [Pneumoftiziol]** 1985 Jul–Sep;34(3):221–8 (Eng. Abstr.) (Rum)

[Diagnosis and treatment of pulmonary tuberculomas] Uspenskil LV, et al. **Khirurgiia (Mosk)** 1986 May;(5):11–5 (Eng. Abstr.) (Rus)

[Differential diagnosis of pulmonary hamartoma and tuberculoma] Ivannikov ID. **Klin Khir** 1985;(10):38–40 (Eng. Abstr.) (Rus)

[Characteristics of infiltrative pulmonary tuberculosis located in the inferior lobe] Andriushina KM, et al. **Klin Med (Mosk)** 1985 Dec;63(12):48–50 (Eng. Abstr.) (Rus)

[Errors in the diagnosis of tuberculosis of the respiratory organs in a pulmonological hospital] Daniliak IG, et al. **Klin Med (Mosk)** 1986 Mar;64(3):37–41 (Eng. Abstr.) (Rus)

[Characteristics of the course of pulmonary tuberculosis combined with chronic opisthorchiasis] Strelis AK, et al. **Med Parazitol (Mosk)** 1985 Sep–Oct;(5):11–3 (Eng. Abstr.) (Rus)

[Differential diagnosis of tuberculosis and nonspecific lung diseases in prepubertal children and adolescents] Ianchevskaia AA, et al. **Pediatriia** 1985 May;(5):23–5 (Eng. Abstr.) (Rus)

[Characteristics of newly-detected infiltrative pulmonary tuberculosis] Beskova AI. **Probl Tuberk** 1986;(4):68–70 (Rus)

[Clinico-roentgenological characteristics of infiltrative pulmonary tuberculosis] Biazrov TA, et al. **Probl Tuberk** 1986;(5):20–3 (Eng. Abstr.) (Rus)

[Improved bacteriological diagnosis of tuberculosis in the Lithuanian SSR] Bobchenok AP. **Probl Tuberk** 1985; (8):9–11 (Eng. Abstr.) (Rus)

[Differential diagnosis of disseminated tuberculosis and other lung diseases] Gamperis IuL, et al. **Probl Tuberk** 1985; (6):18–9 (Eng. Abstr.) (Rus)

[Role of bacteriological research in the the expertise of the work capacity of patients with respiratory organ tuberculosis] Gavrilenko AF, et al. **Probl Tuberk** 1985; (8):12–5 (Eng. Abstr.) (Rus)

[Value of different methods of detecting tuberculosis of the respiratory organs in adults] Gavrishchuk TA. **Probl Tuberk** 1986;(2):10–3 (Eng. Abstr.) (Rus)

[Ketamine anesthesia during bronchoscopy in patients with pulmonary tuberculosis] Generalova RV, et al. **Probl Tuberk** 1985;(9):34–7 (Eng. Abstr.) (Rus)

[Information value of various biochemical tests in assessing the activity of tuberculous changes in the lungs] Kaminskaia GO, et al. **Probl Tuberk** 1986;(1):50–4 (Eng. Abstr.) (Rus)

[Clinical picture and course of chronic destructive pulmonary tuberculosis in patients secreting L forms of the causative agent] Karachunskil MA, et al. **Probl Tuberk** 1985;(12):13–6 (Eng. Abstr.) (Rus)

[Errors in the diagnosis and treatment of extrapulmonary diseases in an phthisiopneumological clinic] Khanin AL. **Probl Tuberk** 1986;(6):15–9 (Eng. Abstr.) (Rus)

[Significance of biochemical and immunological indices in the diagnosis of the activity of limited forms of pulmonary tuberculosis] Kostina ZI, et al. **Probl Tuberk** 1986;(4):18–23 (Eng. Abstr.) (Rus)

[Long-term observation of patients with a history of bronchopulmonary tuberculosis in adolescence] Kratule RV, et al. **Probl Tuberk** 1986;(1):11–4 (Eng. Abstr.) (Rus)

[Value of subcutaneous administration of tuberculin as a test in the differential diagnosis of pulmonary tuberculosis] Mel'nikov VP. **Probl Tuberk** 1985;(9):67–9 (Rus)

[Errors in the diagnosis of infiltrative pulmonary tuberculosis] Pak FP, et al. **Probl Tuberk** 1985;(12):16–9 (Eng. Abstr.) (Rus)

[Features of non-specific pneumonia in patients sent to a tuberculosis hospital] Petukhov VN. **Probl Tuberk** 1985; (11):66–7 (Rus)

[Comparative analysis of the symptoms of tuberculosis and lung cancer] Piatnochka IT, et al. **Probl Tuberk** 1986; (6):19–21 (Eng. Abstr.) (Rus)

[Causes of the formation of groups of patients with chronic destructive pulmonary tuberculosis and means of reducing them] Podolinnyi GI. **Probl Tuberk** 1986;(6):12–5 (Eng. Abstr.) (Rus)

[Characteristics of the clinical course and treatment of tuberculosis in patients with opisthorchiasis] Shchutskaia EI, et al. **Probl Tuberk** 1985;(6):70–2 (Rus)

[Use of rheopulmonography in assessing the effectiveness of pathogenetic agents in the combined treatment of pulmonary tuberculosis patients] Skiba VP. **Probl Tuberk** 1986;(1):30–2 (Eng. Abstr.) (Rus)

[Immunofluorescence method in the differential diagnosis of tuberculosis] Surkova LK, et al. **Probl Tuberk** 1985;(8):24–7 (Eng. Abstr.) (Rus)

[Importance of determining copper, ceruloplasmin and histamine in the blood in the complex diagnosis of limited forms of pulmonary tuberculosis] Tsareva OI. **Probl Tuberk** 1985;(10):66–70 (Eng. Abstr.) (Rus)

[Blood elastase in tuberculosis and other lung diseases] Vinnik LA, et al. **Probl Tuberk** 1985;(12):35–9 (Eng. Abstr.) (Rus)

[Various findings with respect to the detection of tuberculosis of the respiratory organs] Ginzburg EA, et al. **Vrach Delo** 1986 May;(5):97–9 (Eng. Abstr.) (Rus)

[Diagnosis and clinical course of tuberculosis and cancer of the lungs in middle-aged and elderly patients] Iashchenko BP, et al. **Vrach Delo** 1985 Dec;(12):26–8 (Eng. Abstr.) (Rus)

[Differential diagnosis of destructive processes in the lungs] Kapral' AIa. **Vrach Delo** 1986 Jul;(7):25–7 (Eng. Abstr.) (Rus)

[Detection of pulmonary tuberculosis in young patients] Litvinov AA, et al. **Vrach Delo** 1985 Jul;(7):42–5 (Eng. Abstr.) (Rus)

[Problems in early detection of pulmonary tuberculosis] Savula MM, et al. **Vrach Delo** 1985 Nov;(11):29–31 (Eng. Abstr.) (Rus)

[Combined tuberculosis and lung cancer] Zakopallo GG, et al. **Vrach Delo** 1985 Aug;(8):105–7 (Eng. Abstr.) (Rus)

[Pulmonary biopsy in the diagnosis of tuberculosis (letter)] Sauret J, et al. **Med Clin (Barc)** 1986 Feb 8;86(5):215 (Spa)

[Delay in the detection and treatment of cases of tuberculosis] Casal M, et al. **Rev Clin Esp** 1986 Feb;178(3):109–11 (Eng. Abstr.) (Spa)

[Pulmonary tuberculosis of atypical localization. Study of 16 cases with involvement of the apical and posterior segments] Fernández Guerrero ML, et al. **Rev Clin Esp** 1986 Apr;178(6):263–7 (Eng. Abstr.) (Spa)

[Lymph node-bronchial tuberculosis. Review of 26 cases] Hermida Gutiérrez JA, et al. **Rev Clin Esp** 1986 Apr; 178(7):330–3 (Eng. Abstr.) (Spa)

[Tuberculosis with endobronchial involvement] Rodríguez de Castro F, et al. **Rev Clin Esp** 1985 Nov;177(8):396–8 (Eng. Abstr.) (Spa)

[Bronchial tuberculosis: experience in 27 patients] Arenas G, et al. **Rev Med Chil** 1985 Apr;113(4):312–6 (Eng. Abstr.) (Spa)

DRUG THERAPY

A controlled clinical trial of 3- and 5-month regimens in the treatment of sputum-positive pulmonary tuberculosis in South India. Tuberculosis Research Centre, Madras, and National Tuberculosis Institute, Bangalore. **Am Rev Respir Dis** 1986 Jul;134(1):27–33

A four-drug regimen for initial treatment of cavitary disease caused by Mycobacterium avium complex. Ahn CH, et al. **Am Rev Respir Dis** 1986 Sep;134(3):438–41

Mycobacterium avium-intracellulare—rational therapy of chronic pulmonary infection? [editorial] Bass JB Jr. **Am Rev Respir Dis** 1986 Sep;134(3):431–2

Medical therapy of Mycobacterium avium-intracellulare pulmonary disease. Etzkorn ET, et al. **Am Rev Respir Dis** 1986 Sep;134(3):442–5

Operational evaluation of treatment for tuberculosis. Results of 8- and 12-month regimens in Peru. Hopewell PC, et al. **Am Rev Respir Dis** 1985 Oct;132(4):737–41

Influence of initial drug resistance on the response to short-course chemotherapy of pulmonary tuberculosis. Mitchison DA, et al. **Am Rev Respir Dis** 1986 Mar; 133(3):423–30

Primary drug-resistant tuberculosis in children. Emergence of primary drug-resistant strains of M. tuberculosis to rifampin. Steiner P, et al. **Am Rev Respir Dis** 1986 Sep; 134(3):446–8

Tuberculosis chemotherapy today. Dutt AK, et al. **Ann Acad Med Singapore** 1985 Jul;14(3):508–14 (34 ref.)

Fully supervised ambulatory chemotherapy of pulmonary tuberculosis with an intermittent regimen in rural area of Beijing. Kan GQ, et al. **Chin Med J [Engl]** 1984 Sep; 97(9):646–8

Serum haloperidol levels of schizophrenics receiving treatment for tuberculosis. Takeda M, et al. **Clin Neuropharmacol** 1986;9(4):386–97

Practical therapeutics: chemotherapy for pulmonary tuberculosis. Aluoch JA. **East Afr Med J** 1985 Aug; 62(8):612–20

Liver function testing in African patients on treatment for tuberculosis. Davies PD. **East Afr Med J** 1985 Jul; 62(7):486–90

Primary resistance to the major anti-tuberculosis drugs in Ethiopia. Wolde K, et al. **Ethiop Med J** 1986 Jan;24(1):15–8

Short-course tuberculosis chemotherapy studies conducted in Poland during the past decade. Snider DE Jr, et al. **Eur J Respir Dis** 1986 Jan;68(1):12–8

Elevated serum aminotransferase induced by isoniazid in relation to isoniazid acetylator phenotype. Yamamoto T, et al. **Hepatology** 1986 Mar–Apr;6(2):295–8

Short term chemotherapy of pulmonary tuberculosis in service population. Jayaswal R, et al. **Indian J Chest Dis Allied Sci** 1985 Jan–Mar;27(1):31–4

Uric acid disposition during intermittent chemotherapy of pulmonary tuberculosis with regimens containing pyrazinamide & rifampicin. Kannapiran M, et al. **Indian J Med Res** 1985 Aug;82:116–21

Serum concentration of isoniazid administered with & without ethambutol in pulmonary tuberculosis patients. Singhal KC, et al. **Indian J Med Res** 1986 Apr;83:360–2

Intensive short-course chemotherapy in pulmonary tuberculosis. Rakhit A, et al. **Indian J Pediatr** 1986 Mar–Apr;53(2):243–8

Short course chemotherapy for tuberculosis in children. Varudkar BL. **Indian J Pediatr** 1985 Nov–Dec; 52(419):593–7

Compliance with chemotherapy for tuberculosis. Corcoran R. **Ir Med J** 1986 Apr;79(4):87–90

Retreatment of pulmonary tuberculosis. Agarwal K, et al. **J Assoc Physicians India** 1985 Dec;33(12):814–6

Which regimen to be used in retreatment cases of pulmonary tuberculosis? [letter] Agarwal SK, et al. **J Assoc Physicians India** 1986 Mar;34(3):227

Short term chemotherapy of pulmonary tuberculosis [letter] Gopinathan VP, et al. **J Assoc Physicians India** 1985 Dec; 33(12):824

Intracavitary rifampicin [letter] Purohit SD, et al. **J Assoc Physicians India** 1985 Aug;33(8):556

Rifampicin induced acute tubulo–interstitial nephritis. Kumar SK, et al. **J Indian Med Assoc** 1985 Jul;83(7):246, 256–7

Field trial of short course chemotherapy for pulmonary tuberculosis: results at 30 months. Kecharananta P, et al. **J Med Assoc Thai** 1985 Jun;68(6):283–7

Pharmacokinetics of oral and intravenous rifampicin during chronic administration. Loos U, et al. **Klin Wochenschr** 1985 Dec 2;63(23):1205–11

Characteristics of hospitalized TB patients: Montebello Center, Maryland, 1981 to 1983. Bland SM, et al. **Md Med J** 1985 Mar;34(3):259–66

Drugs for tuberculosis. **Med Lett Drugs Ther** 1986 Jan 17; 28(705):6–8

Care of the pregnant woman with tuberculosis and her newborn infant: a pediatrician's perspective. Raucher HS, et al. **Mt Sinai J Med (NY)** 1986 Feb;53(2):70–6

Remission of Crohn's disease with tuberculosis chemotherapy [letter] Warren JB, et al. **N Engl J Med** 1986 Jan 16; 314(3):182

Acute respiratory distress related to chemotherapy of advanced pulmonary tuberculosis: a study of two cases and review of the literature. Onwubalili JK, et al. **Q J Med** 1986 Jun;59(230):599–610

Method to elaborate a national programme of short-course chemotherapy: experience of Romania. Anastasatu C, et al. **Rev Ig [Pneumoftiziol]** 1986 Jan–Mar;35(1):23–9

Efficiency of short-course tuberculosis chemotherapy in controlled clinical trials and in programme conditions in Romania. Anastasatu C, et al. **Rev Ig [Pneumoftiziol]** 1985 Apr–Jun;34(2):133–9

Evaluation of short-course chemotherapy in Romania. Anastasatu C. **Rev Ig [Pneumoftiziol]** 1985 Apr–Jun; 34(2):178–81

Reflections on short-course chemotherapy in routine conditions in Morocco. Bartal M. **Rev Ig [Pneumoftiziol]** 1985 Apr–Jun;34(2):165–6

Clinical and bacteriological studies on the comparative efficacy of short-course regimens starting with daily or twice-weekly phases. Bercea O. **Rev Ig [Pneumoftiziol]** 1985 Apr–Jun;34(2):116–21

Adverse reactions in the conditions of an ab initio intermittent (2/7) administration of antituberculous regimens. Corlan E. **Rev Ig [Pneumoftiziol]** 1985 Apr–Jun;34(2):169–72

Chemotherapy of tuberculosis under routine conditions in Czechoslovakia. Dašková D. **Rev Ig [Pneumoftiziol]** 1985 Apr–Jun;34(2):182–6

The surveillance of tuberculosis including the evaluation of chemotherapy programmes. Fox W. **Rev Ig [Pneumoftiziol]** 1985 Apr–Jun;34(2):173–7

Modern short-course regimens in the treatment of tuberculosis. Fox W. **Rev Ig [Pneumoftiziol]** 1985 Apr–Jun; 34(2):122–32 (30 ref.)

Problems of short-course chemotherapy still awaiting solution. Fox W. **Rev Ig [Pneumoftiziol]** 1985 Apr–Jun; 34(2):191–2

Bacteriological bases of short-course chemotherapy. Grosset J. **Rev Ig [Pneumoftiziol]** 1985 Apr–Jun;34(2):103–7

The short-course treatment of tuberculosis in Spain. Guerra Sanz FJ. **Rev Ig [Pneumoftiziol]** 1985 Apr–Jun;34(2):141–8

Report from the application of 9 months short-course regimens to 575 patients suffering from pulmonary tuberculosis. Jordanoglou J. **Rev Ig [Pneumoftiziol]** 1985 Apr–Jun;34(2):140

Organization aspects of delivery of short-course chemotherapy within integrated tuberculosis programmes. Mihăilescu P. **Rev Ig [Pneumoftiziol]** 1985 Apr–Jun; 34(2):187–90

The chemotherapy of tuberculosis in Bulgaria today. Nitchev V. **Rev Ig [Pneumoftiziol]** 1985 Apr–Jun;34(2):156–8

Preliminary results of a short-course antituberculosis regimen including Sinerdol–EH and applied under operational conditions. Păunescu E. **Rev Ig [Pneumoftiziol]** 1985 Apr–Jun;34(2):149–55

Ultrashort-course chemotherapy for culture-negative pulmonary tuberculosis—a qualified success. Cowie RL, et al. **S Afr Med J** 1985 Dec 7;68(12):879–80

Tolerability and efficacy of isoprodian–containing antituberculosis regimens [letter] Kleeberg HH. **S Afr Med J** 1986 Feb 1;69(3):161

Failure of a prothionamide–containing oral antituberculosis regimen. Langton ME, et al. **S Afr Med J** 1985 Dec 7; 68(12):881

Short-course tuberculosis therapy—a new combination product [letter] Summers RS, et al. **S Afr Med J** 1986 Jul 19;70(2):120

Attendance compliance for short-course tuberculosis chemotherapy at clinics in Estcourt and surroundings. Yeats JR. **S Afr Med J** 1986 Aug 30;70(5):265–6

Controlled clinical trial of 4 short-course regimens of chemotherapy (three 6-month and one 8-month) for pulmonary tuberculosis: final report. East and Central African/British Medical Research Council Fifth Collaborative Study. **Tubercle** 1986 Mar;67(1):5–15

The action of antituberculosis drugs in short-course chemotherapy. Mitchison DA. **Tubercle** 1985 Sep; 66(3):219–25

[The therapeutic efficacy of a streptomycin–hydrazide–thiacetazone regimen with different dosages of thiacetazone in pulmonary tuberculosis] **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Apr;9(2):72–6, 125 (Eng. Abstr.) **(Chi)**

[Preliminary report on the second short-course study in pulmonary tuberculosis] **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1984 Aug;7(4):198–202, 253 (Eng. Abstr.) **(Chi)**

[Chemotherapy of pulmonary tuberculosis] **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1984 Aug;7(4):194–7 **(Chi)**

[An assessment of 9-month short-term chemotherapy in newly discovered, primary treated, smear-positive cases of pulmonary tuberculosis in Yanbian] **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1984 Aug;7(4):206–7, 253 (Eng. Abstr.) **(Chi)**

[Comparison between a 9-month regimen and 18-month regimen for the initial treatment of pulmonary tuberculosis patients with a positive sputum culture] Han JJ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1984 Aug;7(4):203–5, 253 (Eng. Abstr.) **(Chi)**

[Studies on sputum conversion of smear-positive, previously untreated pulmonary tuberculosis: a comparison of short-course and standard chemotherapy regimens] Huang M. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Feb;9(1):1–5, 61 (Eng. Abstr.) **(Chi)**

[On the cause and result of over-treated in active pulmonary tuberculosis cases] Li YS. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Apr;9(2):65–7, 125 (Eng. Abstr.) **(Chi)**

[Recent report of short-term chemotherapy with rifamdin in pulmonary tuberculosis in rural areas] Qu SH, et al. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1984 Aug;7(4):208–9, 253 (Eng. Abstr.) **(Chi)**

[Recent-term therapeutic effects of short-course chemotherapy in rural outpatients with smear positive tuberculosis] Zhang YD. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Feb;9(1):6–8, 61 (Eng. Abstr.) **(Chi)**

[Tuberculosis, does it always come out right?] Steensma JT. **Ned Tijdschr Geneeskd** 1986 Jan 25;130(4):145–7 **(Dut)**

[Short-term chemotherapy of pulmonary tuberculosis. Bacteriologic results] Boulahbal F, et al. **Arch Inst Pasteur Alger** 1980;54:162–72 (Eng. Abstr.) **(Fre)**

[Evaluation of the levels of primary resistance of the tubercle bacillus to antibiotics in the district of Algiers. I. Results of the use of a standardized questionnaire for patients admitted to the survey] Khaled S, et al. **Arch Inst Pasteur Alger** 1980;54:173–9 (Eng. Abstr.) **(Fre)**

[Short-course treatment of pulmonary tuberculosis: comparison with a classical standard regimen] Bouslama A, et al. **Bull Int Union Tuberc** 1985 Mar–Jun;60(1–2):29–30 **(Fre)**

[Comparison of a 6-month chemotherapy and a 12-month chemotherapy in the treatment of pulmonary tuberculosis in Algerian Sahara. Cooperative study by an Algerian work team and the British Medical Research Council] Chaulet P. **Bull Int Union Tuberc** 1985 Mar–Jun;60(1–2):31–3 **(Fre)**

[Short-course chemotherapy of pulmonary tuberculosis and several problems concerning its use, especially in India] Fox W. **Bull Int Union Tuberc** 1985 Mar–Jun;60(1–2):44–54 **(Fre)**

[Results of a therapeutic trial comparing a 6-month regimen to a 12-month regimen in the treatment of pulmonary tuberculosis in the Algerian Sahara. Final report: results 3 years after the onset of treatment] Berkani M, et al. **Rev Mal Respir** 1986;3(2):73–85 (Eng. Abstr.) **(Fre)**

[Tuberculosis: all patients are entitled to short-term chemotherapy (editorial)] Chaulet P. **Rev Mal Respir** 1986; 3(2):65–6 **(Fre)**

[Antitubercular therapeutic regimens routinely prescribed in Bas–Rhin and results of treatment] Liard R, et al. **Rev Mal Respir** 1986;3(2):93–7 (Eng. Abstr.) **(Fre)**

[Controlled study comparing 3 daily chemotherapy regimens for six months in pulmonary tuberculosis in routine practice in Algiers. Results at 30 months] Mazouni L, et al. **Rev Mal Respir** 1985;2(4):209–14 (Eng. Abstr.) **(Fre)**

[The course of the most severe lung tuberculosis under intensive medical therapy] Grosser H, et al. **Off Gesundheitswes** 1985 Nov;47(11):551–4 (Eng. Abstr.) **(Ger)**

[Changes in the concept and implementation of antitubercular chemotherapy. A review with practical conclusions] Bartmann K, et al. **Prax Klin Pneumol** 1985 Nov; 39(11):397–420 (Eng. Abstr.) **(Ger)**

[Which is the best drug combination for the short-term therapy of tuberculosis? A prospective randomized study with 190 patients] Karrer W, et al. **Schweiz Med Wochenschr** 1985 Sep 28;115(39):1353–9 (Eng. Abstr.) **(Ger)**

[The short course therapies by Ryoken's method. 9 month and 12 month regimens including rifampicin (RFP) plus isoniazid (INH) in bacteriologically proved pulmonary tuberculosis] Gomi J, et al. **Kekkaku** 1985 Aug;60(8):435–45 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of chemotherapy of pulmonary tuberculosis with diabetes] Sakurai H, et al. **Kekkaku** 1985 Jul;60(7):381–8 (Eng. Abstr.) **(Jpn)**

[Antituberculosis chemotherapy including ofloxacin in patients with pulmonary tuberculosis not treated previously] Tsukamura M, et al. **Kekkaku** 1986 Jan; 61(1):15–7 (Eng. Abstr.) **(Jpn)**

[Therapeutic effect of ofloxacin (DL 8280) on pulmonary tuberculosis. (Report of a one year–administration study on sixteen treatment–failure patients)] Tsukamura M, et al. **Kekkaku** 1985 Jun;60(6):365–9 (Eng. Abstr.) **(Jpn)**

[Short course chemotherapy in pulmonary tuberculosis on individual basis—final report] Yang SP, et al. **Kekkaku** 1986 Feb;61(2):75–83 **(Jpn)**

[Primary drug resistance to antitubercular drugs in patients with pulmonary tuberculosis in the years 1978–1982] Janowiec M, et al. **Pneumonol Pol** 1986 Apr;54(4):140–3 (Eng. Abstr.) **(Pol)**

[Evaluation of early results of treatment of pulmonary tuberculosis in Mycobacterium–positive patients. Comparison of the results of 3– and 4–drug treatment] Martyniak K, et al. **Pneumonol Pol** 1985 Apr;53(4):195–201 (Eng. Abstr.) **(Pol)**

[Studies of short-term chemotherapy of tuberculosis. III. Early and late results of 6 months' treatment of tuberculosis. Analysis of failures and recurrences during 1–5 years' observation] Nikodemowicz E, et al. **Pneumonol Pol** 1986 Jan;54(1):9–15 (Eng. Abstr.) **(Pol)**

[Possibilities of preventing recurrences in pulmonary tuberculosis] Baranetchi C, et al. **Rev Ig [Pneumoftiziol]** 1986 Jan–Mar;35(1):95–6 **(Rum)**

[Factors with a negative effect on the success of short-term antitubercular chemotherapy under operational conditions] Didilescu C, et al. **Rev Ig [Pneumoftiziol]** 1986 Jan–Mar; 35(1):89–91 **(Rum)**

[Evaluation of antitubercular chemotherapy under operational conditions] Golli V, et al. **Rev Ig [Pneumoftiziol]** 1986 Jan–Mar;35(1):73–4 **(Rum)**

[Evaluation of integrated treatment of tuberculosis at 20 antituberculosis outpatient clinics] Ionescu C, et al. **Rev Ig [Pneumoftiziol]** 1986 Jan–Mar;35(1):75–7 **(Rum)**

[Short-term hospital treatment of uncooperative patients] Porav I, et al. **Rev Ig [Pneumoftiziol]** 1986 Jan–Mar; 35(1):83–4 **(Rum)**

[Sinerdol–EHr—a new broad-spectrum antibiotic. The results in treating tuberculosis in adults and children] Păunescu E, et al. **Rev Med Chir Soc Med Nat Iasi** 1985 Jan–Mar;89(1):113–22 (Eng. Abstr.) **(Rum)**

[Chemotherapy of patients with chronic destructive pulmonary tuberculosis in cases of mycobacterial resistance to rifampicin and isoniazid] Bialik IB, et al. **Klin Med (Mosk)** 1985 Dec;63(12):42–7 (Eng. Abstr.) **(Rus)**

[Effect of the inhalation of drug aerosols on external respiration in pulmonary tuberculosis patients] Protsiuk RG. **Klin Med (Mosk)** 1985 Dec;63(12):50–5 **(Rus)**

[Anti-tuberculous activity of amikacin] Aleksandrova AE, et al. **Probl Tuberk** 1986;(5):58–60 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of tuberculosis therapy regimens in treating patients with destructive pulmonary tuberculosis] Berezovskiĭ BA, et al. **Probl Tuberk** 1985;(10):28–30 (Eng. Abstr.) **(Rus)**

[Effectiveness of tuberculin in the combined treatment of pulmonary tuberculosis patients] Burukhina LV, et al. **Probl Tuberk** 1985;(8):31–3 (Eng. Abstr.) **(Rus)**

[Dynamics of the specific process in newly detected patients with destructive pulmonary tuberculosis treated with rifampicin combined with other preparations] Chukanov VI. **Probl Tuberk** 1985;(10):30–4 (Eng. Abstr.) **(Rus)**

[Clinical course and effectiveness of treatment of destructive pulmonary tuberculosis in adolescents] Firsova VA, et al. **Probl Tuberk** 1986;(5):14–7 (Eng. Abstr.) **(Rus)**

[Complex therapy of patients with destructive pulmonary

tuberculosis using chemotherapeutic agents combined with T-activin] Gergert VIa, et al. **Probl Tuberk** 1986;(2):28–31 (Eng. Abstr.) (Rus)

[Changes in various parameters of homeostasis in patients with pulmonary tuberculosis after intra-arterial administration of antibacterial preparations] Goncharov VG, et al. **Probl Tuberk** 1985;(9):56–9 (Eng. Abstr.) (Rus)

[Effect of rifampicin and ethambutol on indices of the sympathoadrenal system in patients with recurrent pulmonary tuberculosis] Grozovskaia MS. **Probl Tuberk** 1985;(10):38–40 (Eng. Abstr.) (Rus)

[Clinico-immunological criteria of the effectiveness of chemotherapy in patients with destructive pulmonary tuberculosis] Ivaniuta OM, et al. **Probl Tuberk** 1986;(2):42–5 (Eng. Abstr.) (Rus)

[T-activin in the complex treatment of patients with pulmonary tuberculosis] Ivanova LA, et al. **Probl Tuberk** 1986;(5):37–40 (Eng. Abstr.) (Rus)

[Reactivation of pulmonary tuberculosis in patients treated with rifampicin and ethambutol] Kuznetsova ZA. **Probl Tuberk** 1985;(12):40–2 (Eng. Abstr.) (Rus)

[Clinical course and chemotherapy of hyperchronic destructive pulmonary tuberculosis] Mamolat AS, et al. **Probl Tuberk** 1985;(10):24–8 (Eng. Abstr.) (Rus)

[Effect of levamisole therapy on factors of natural resistance of pulmonary tuberculosis patients] Mezhebovskii VR. **Probl Tuberk** 1985;(11):41–3 (Eng. Abstr.) (Rus)

[Effectiveness of the treatment of patients with various clinico-roentgenological manifestations of disseminated pulmonary tuberculosis] Petrunina MP. **Probl Tuberk** 1985;(6):46–9 (Eng. Abstr.) (Rus)

[Remote results of chemotherapy of patients with chronic destructive pulmonary tuberculosis] Roslik SM, et al. **Probl Tuberk** 1986;(5):31–3 (Eng. Abstr.) (Rus)

[Experience in treating tuberculosis patients in the IB outpatient registry group] Smirnov GA, et al. **Probl Tuberk** 1986;(4):12–5 (Eng. Abstr.) (Rus)

[Results of different programs of chemotherapy using rifampicin in patients with newly detected destructive pulmonary tuberculosis] Sodikov ES, et al. **Probl Tuberk** 1986;(5):27–30 (Eng. Abstr.) (Rus)

[Comparative therapeutic activity of rifampicin and isoniazid in different densities of microbial population in the lungs of experimental animals] Sodikov ES, et al. **Probl Tuberk** 1986;(6):50–3 (Eng. Abstr.) (Rus)

[Drug allergy in patients with pulmonary tuberculosis] Tabidze ShA. **Probl Tuberk** 1986;(5):33–7 (Eng. Abstr.) (Rus)

[Use of indomethacin in the complex treatment of patients with destructive pulmonary tuberculosis] Vladimirskii MA, et al. **Probl Tuberk** 1985;(6):69–70 (Rus)

[Efficacy of specific chemotherapy combined with amben in newly diagnosed cases of destructive pulmonary tuberculosis] Zamborg IuL. **Probl Tuberk** 1985;(7):24–7 (Eng. Abstr.) (Rus)

[Effect of thymalin on the nonspecific resistance of pulmonary tuberculosis patients] Rybalko VV, et al. **Voen Med Zh** 1986 May;(5):34–6 (Rus)

[Use of interstitial electrophoresis in the combined treatment of patients with tuberculosis and nonspecific lung diseases] Bilyk MA, et al. **Vrach Delo** 1985 Oct;(10):92–5 (Eng. Abstr.) (Rus)

[Use of rifadin in suppositories in the combined therapy of patients with destructive forms of pulmonary tuberculosis] German AK, et al. **Vrach Delo** 1985 Oct;(10):98–100 (Eng. Abstr.) (Rus)

[Use of a Soviet preparation of rifampicin for intravenous injection in the treatment of patients with destructive tuberculosis of the lungs] Ivaniuta OM, et al. **Vrach Delo** 1985 Nov;(11):32–4 (Eng. Abstr.) (Rus)

[Treatment results with patients with destructive pulmonary tuberculosis and their late follow-ups] Kalabukha AV, et al. **Vrach Delo** 1985 Jul;(7):41–2 (Eng. Abstr.) (Rus)

[Efficacy of alpha-tocopherol in the complex treatment of newly diagnosed patients with destructive tuberculosis of the lungs] Panasiuk AV, et al. **Vrach Delo** 1986 Apr;(4):63–6 (Eng. Abstr.) (Rus)

[Effect of inhalation of aerosols of antitubercular preparations on pulmonary surfactant] Pilipchuk NS, et al. **Vrach Delo** 1986 Jul;(7):21–5 (Eng. Abstr.) (Rus)

[Regulation of the activity of the blood kinin system as a method for the pathogenetic therapy of pulmonary tuberculosis] Prilmak AA, et al. **Vrach Delo** 1985 Oct;(10):95–7 (Eng. Abstr.) (Rus)

[Characteristics of an abridged basic course of chemotherapy for pulmonary tuberculosis patients] Rudoi NM, et al. **Vrach Delo** 1986 Feb;(2):79–81 (Eng. Abstr.) (Rus)

[Effectiveness of treatment of newly detected destructive pulmonary tuberculosis among rural and urban populations] Strutinskii MI. **Vrach Delo** 1986 Jun;(6):57–9 (Eng. Abstr.) (Rus)

[Clinical aspects of secondary resistance in pulmonary tuberculosis] Gugić B. **Plucne Bolesti** 1985 Jan–Jun;37(1–2):22–7 (Eng. Abstr.) (Ser)

[Personal experience with the length of treatment in pulmonary tuberculosis including case reports] Stanojević M, et al. **Plucne Bolesti** 1985 Jan–Jun;37(1–2):119–20 (Eng. Abstr.) (Ser)

[Chemotherapeutic treatment of pulmonary tuberculosis] Blanco Quirós A. **An Esp Pediatr** 1985 Jun;22(8):547–50 (Spa)

[Control of chemoprophylaxis of tuberculosis with isoniazid (letter)] Tamborero G, et al. **Med Clin (Barc)** 1986 Jun 7;87(2):84 (Spa)

ECONOMICS

Tuberculosis services in Victoria [letter] Rich J, et al. **Med J Aust** 1985 Sep 30;143(7):320–1

Cost of antituberculosis drug regimens in Morocco. Bartal M. **Rev Ig [Pneumoftiziol]** 1985 Apr–Jun;34(2):163–4

Cost of tuberculosis chemotherapy short-course regimens and care. Corlan E. **Rev Ig [Pneumoftiziol]** 1985 Apr–Jun;34(2):161–2

Cost of tuberculosis chemotherapy. Pardon R. **Rev Ig [Pneumoftiziol]** 1985 Apr–Jun;34(2):167–8

ENZYMOLOGY

[Serum angiotensin-converting enzyme, ceruloplasmin and lactic dehydrogenase in anthracosilicosis and anthracosilico-tuberculosis] Shi ZC. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Feb;9(1):16–8, 61–2 (Eng. Abstr.) (Chi)

[Observation on serum lysozyme activity in patients with tuberculosis] Yang HZ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Apr;9(2):70–1, 125 (Eng. Abstr.) (Chi)

[Cobalt-activated acylase activity in the serum of patients with tuberculosis treated with antitubercular agents] Rzeszowska G, et al. **Wiad Lek** 1986 Apr 1;39(7):444–8 (Eng. Abstr.) (Pol)

[Various problems concerning the pathogenesis and diagnosis of amyloidosis in patients with inflammatory lung diseases] Ivaniuta OM, et al. **Klin Med (Mosk)** 1985 Oct;63(10):33–7 (Eng. Abstr.) (Rus)

[Role of phospholipase A2 in regulating lipid peroxidation and the respiratory chain in experimental tuberculosis] Narovlianskaia SE, et al. **Probl Tuberk** 1985;(8):59–63 (Eng. Abstr.) (Rus)

ETIOLOGY

Nontuberculous mycobacterial infection in AIDS: clinical, pathologic, and radiographic features. Marinelli DL, et al. **Radiology** 1986 Jul;160(1):77–82

[A case of pulmonary infection due to Mycobacterium fortuitum] Honda Y, et al. **Kekkaku** 1985 Jul;60(7):411–4 (Eng. Abstr.) (Jpn)

[A clinical study on pulmonary tuberculosis developing in association with corticosteroid treatment] Muto S, et al. **Kekkaku** 1985 Aug;60(8):421–8 (Eng. Abstr.) (Jpn)

[Life events and life changes in the tuberculous patients] Nishioka S, et al. **Kekkaku** 1985 Sep;60(9):469–74 (Eng. Abstr.) (Jpn)

[Various risk factors of tuberculosis of the respiratory organs] Margulis NIu, et al. **Probl Tuberk** 1985;(6):6–9 (Eng. Abstr.) (Rus)

[Mycobacterium xenopi infection and lymphoma] Civeira Murillo F, et al. **Rev Clin Esp** 1986 Feb;178(2):74–5 (Eng. Abstr.) (Spa)

FAMILIAL & GENETIC

[Testing the hypothesis of multifactorial type inheritance of predisposition to pulmonary tuberculosis] Berezovskil BA, et al. **Probl Tuberk** 1986;(2):24–6 (Eng. Abstr.) (Rus)

[Activity and genetic heterogeneity of the serum cholinesterase of tuberculosis patients] Gadzhiev BO, et al. **Probl Tuberk** 1985;(11):33–6 (Eng. Abstr.) (Rus)

HISTORY

History of tuberculosis in Florida. Manni LC. **J Fla Med Assoc** 1986 Apr;73(4):305–9

The Brontë family. Leavesley JH. **Med J Aust** 1985 Oct 28;143(9):415–7

Early studies of tuberculosis. Comstock GW. **Natl Cancer Inst Monogr** 1985 May;67:23–7

Asheville: the tuberculosis era. Stephens I. **NC Med J** 1985 Sep;46(9):455–63

[Collapse therapy and other historical therapeutic methods in tuberculosis] Schulz-Dieterich HO. **Off Gesundheitswes** 1985 Aug;47(8):370–1 (Ger)

[An autopsy protocol written in Friedrich Schiller's hand] Banki H. **Pathologe** 1986 Feb;7(2):118–21 (Ger)

[Campaign against tuberculosis in Europe. An historical essay on the 90th anniversary of the founding of the German Central Committee for the Control of Tuberculosis] Ehrler P. **Prax Klin Pneumol** 1985 Nov;39(11):457–66 (Ger)

[90 years of the German Central Committee for the Control of Tuberculosis] Lock W. **Prax Klin Pneumol** 1985 Nov;39(11):392–6 (Eng. Abstr.) (Ger)

[Tuberculosis control yesterday—today—tomorrow. Thoughts on the 90-year existence of the German Central Committee for the Control of Tuberculosis] Neumann G. **Prax Klin Pneumol** 1985 Nov;39(11):438–43 (Eng. Abstr.) (Ger)

[Active tuberculosis treatment in former times—nostalgic reminiscences of an exciting therapy era] Reimers D. **Prax Klin Pneumol** 1985 Nov;39(11):447–56 (Eng. Abstr.) (Ger)

[Thoughts on the development of bacteriology and experimental chemotherapy of mycobacterioses] Urbanczik R, et al. **Prax Klin Pneumol** 1985 Nov;39(11):421–30 (Eng. Abstr.) (Ger)

[Contribution of Iuliu Haţieganu to combating tuberculosis in Romania] Anastasatu C. **Rev Ig [Pneumoftiziol]** 1985 Jul–Sep;34(3):281–2 (Rum)

[Tuberculosis in Leningrad during World War II and the blockade] Grelmer MS, et al. **Probl Tuberk** 1985;(10):72–4 (Rus)

[Academician F.G. Ianovskii and his contribution to the development of Russian phthisiatry (on the 25th anniversary of his birth)] Mamolat AS, et al. **Probl Tuberk** 1986;(5):70–2 (Rus)

[Restoration of the tuberculosis control institutions of the Ukraine 1943–1945] Sakharchuk IM, et al. **Probl Tuberk** 1985;(10):70–1 (Rus)

IMMUNOLOGY

Immuno-pathological background of tuberculosis and its projection on the modern pneumology. Blasi A. **Arch Monaldi** 1984 Sep–Dec;39(5–6):363–74

T-cell subpopulations in tuberculosis and the effects of rifampicin. Vidhidharm A, et al. **Asian Pac J Allergy Immunol** 1985 Dec;3(2):165–73

Humoral immune response in tuberculosis: initial characterization by immunoprecipitation of 125iodine labelled antigens and sodium dodecyl sulfate polyacrylamide gel electrophoresis. Ranadive SN, et al. **Clin Exp Immunol** 1986 May;64(2):277–84

Modulation of delayed hypersensitivity to PPD by serum factors. Kapoor AK, et al. **Indian J Med Res** 1985 Sep;82:231–7

Circulating immune complexes in pulmonary tuberculosis. Singh G, et al. **Indian J Med Res** 1986 Feb;83:117–22

Defective gamma-interferon production in peripheral blood leukocytes of patients with acute tuberculosis. Vilček J, et al. **J Clin Immunol** 1986 Mar;6(2):146–51

Circulating immune complexes in pulmonary tuberculosis. Ashtekar MD, et al. **J Clin Lab Immunol** 1985 Oct;18(2):91–5

Defective interleukin 2 production and responsiveness in human pulmonary tuberculosis. Toossi Z, et al. **J Exp Med** 1986 May 1;163(5):1162–72

Detection of antibodies to Mycobacterium tuberculosis plasma membrane antigen by enzyme-linked immunosorbent assay. Krambovitis E. **J Med Microbiol** 1986 May;21(3):257–64

Association between HTLV-III/LAV infection and tuberculosis in Zaire [letter] Mann J, et al. **JAMA** 1986 Jul 18;256(3):346

A preliminary study on serological activity of a phenolic glycolipid from Mycobacterium leprae in sera from patients with leprosy, tuberculosis and normal controls. Wu QX, et al. **Lepr Rev** 1986 Jun;57(2):129–36

[T and B lymphocyte transformations of TB patients using the radioisotope incorporated method in vitro] Zhou KD. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1985 Jun;8(3):162–4, 191 (Eng. Abstr.) (Chi)

[Immunopathologic aspects of local tuberculous tissue reactions] Stiehl P. **Zentralbl Allg Pathol** 1985;130(4):313–21 (Eng. Abstr.) (Ger)

[Study of IgG antibodies to PPD with an immunoenzyme method (ELISA) in the serum of patients with pulmonary tuberculosis] Fantoni M, et al. **Quad Sclavo Diagn** 1985 Sep;21(3):349–53 (Eng. Abstr.) (Ita)

[Serum factors and cell-mediated immunity in patients with pulmonary tuberculosis] Sato H, et al. **Kekkaku** 1986 May;61(5):293–7 (Eng. Abstr.) (Jpn)

[Subsets analysis of peripheral and pleural lymphocytes in pulmonary tuberculosis] Takada K, et al. **Kekkaku** 1986 Apr;61(4):253–6 (Eng. Abstr.) (Jpn)

[Determination of specific circulating antibodies in pulmonary tuberculosis using the ELISA immunoenzyme technic] Stavri D, et al. **Rev Ig [Pneumoftiziol]** 1986 Jan–Mar;35(1):63–72 (Eng. Abstr.) (Rum)

[Effect of ascorbic acid on the phagocytic activity in vitro of the neutrophilic granulocytes of pulmonary tuberculosis patients] Chernushenko EF, et al. **Lab Delo** 1986;(4):247–8 (Rus)

[Differential immunodiagnosis of tuberculomas and nonspecific pneumonias] Ladnyl AIa, et al. **Lab Delo** 1985;(11):689–90 (Eng. Abstr.) (Rus)

[Study of the ability of monocytes from patients with pulmonary tuberculosis to reduce nitroblue tetrazolium during phagocytosis of latex particles] Shatrov VA, et al. **Lab Delo** 1985;(7):408–10 (Eng. Abstr.) (Rus)

[In vitro leukocyte reaction to the antigens of human and bovine mycobacteria in pulmonary tuberculosis patients] Baginskil SR, et al. **Probl Tuberk** 1985;(12):51–4 (Eng. Abstr.) (Rus)

[Local immunity and cytological composition of bronchial secretion in patients with chronic bronchitis] Berzner AN, et al. **Probl Tuberk** 1986;(2):58–60 (Eng. Abstr.) (Rus)

[The function of phagocytosing cells in pulmonary tuberculosis patients] Chernushenko EF, et al. **Probl Tuberk** 1986;(1):59–63 (Eng. Abstr.) (Rus)

[Function of neutrophilic granulocytes and alveolar macrophages in experimental tuberculosis] Chernushenko EF, et al. **Probl Tuberk** 1985;(12):54–7 (Eng. Abstr.) (Rus)

[A standardized highly sensitive variant of the complement fixation test for the detection of anti-tuberculosis antibodies] Knoring BE. **Probl Tuberk** 1986;(6):58–61 (Eng. Abstr.) (Rus)

[Effect of thymus gland preparations on T- and B-lymphocytes in experimental tuberculosis] Kononko IV. **Probl Tuberk** 1986;(2):55–8 (Eng. Abstr.) **(Rus)**

[Antigenic activity of the phospholipids of myocobacteria] Krasnopol'skil IuM, et al. **Probl Tuberk** 1985;(11):55–8 (Eng. Abstr.) **(Rus)**

[Functional activity of phagocytes in patients with destructive pulmonary tuberculosis during treatment] Mamolat AS, et al. **Probl Tuberk** 1986;(2):32–4 (Eng. Abstr.) **(Rus)**

[Effect of treatment with glucocorticoids, pyrogenal and lidase on natural immunity in pulmonary tuberculosis patients] Mezhebovskil VR. **Probl Tuberk** 1986;(2):34–8 (Eng. Abstr.) **(Rus)**

[Status of immunity in patients with tuberculosis and schizophrenia and its changes during treatment] Novruzov MA, et al. **Probl Tuberk** 1986;(6):38–40 (Eng. Abstr.) **(Rus)**

[Effect of autoserum on spontaneous and complement-induced rosette formation by lymphocytes in pulmonary tuberculosis patients] Panasiukova OR. **Probl Tuberk** 1985;(11):31–3 (Eng. Abstr.) **(Rus)**

[Determining various types of rosette-forming T lymphocytes in pulmonary tuberculosis patients] Petrashenko AI. **Probl Tuberk** 1986;(2):26–8 (Eng. Abstr.) **(Rus)**

[Status of local immunological defense of the lungs in tuberculosis (data on the examination of bronchoalveolar lavage fluid)] Shesterina MV, et al. **Probl Tuberk** 1985;(6):62–5 (Eng. Abstr.) **(Rus)**

[Evaluation of the activity of the immunoglobulin-producing function of the lungs in tuberculosis] Shesterina MV, et al. **Probl Tuberk** 1985;(11):16–9 (Eng. Abstr.) **(Rus)**

[Effect of in vitro interferon on the phagocytic activity of the neutrophilic granulocytes of pulmonary tuberculosis patients] Chernushenko EF, et al. **Vrach Delo** 1985 Oct;(10):100–2 (Eng. Abstr.) **(Rus)**

[Immune reactivity of blood lymphocytes in infiltrative tuberculosis and tuberculoma] Gudz' EA, et al. **Vrach Delo** 1986 Jan;(1):47–9 (Eng. Abstr.) **(Rus)**

[Dynamics of the immunological indices during the treatment of pulmonary tuberculosis patients suffering from chronic alcoholism] Kulakov SV. **Vrach Delo** 1986 Feb;(2):77–9 (Eng. Abstr.) **(Rus)**

[Immunological criteria of the indications for performing prophylactic chemotherapy in persons with a hyperergic Mantoux test] Petrashenko AI. **Vrach Delo** 1985 Jul;(7):31–3 (Eng. Abstr.) **(Rus)**

METABOLISM

Levels of acetyl hydrazines and rate of acetylation of isoniazid in adult tuberculosis patients. Bhalerao EB, et al. **Indian J Physiol Pharmacol** 1985 Apr-Jun;29(2):83–8

[Physico-chemical properties of proteins of the pleural exudate in various diseases] Kubiński Z, et al. **Pneumonol Pol** 1985 Oct;53(10):472–7 (Eng. Abstr.) **(Pol)**

[Free-radical oxidation of membrane lipids in patients with pulmonary tuberculosis] Blikhar EI. **Probl Tuberk** 1986;(2):53–4 (Eng. Abstr.) **(Rus)**

[Deposition of drug solutions in the respiratory organs of a pulmonary tuberculosis patient when administered by endotracheobronchial methods] Kalankhodzhaev AA, et al. **Probl Tuberk** 1985;(10):52–5 (Eng. Abstr.) **(Rus)**

[Production of alpha-interferon by blood leukocytes and cells of broncho-alveolar lavage fluid from patients with infiltrative pulmonary tuberculosis of the lungs] Khokholov IuA. **Probl Tuberk** 1985;(11):47–50 (Eng. Abstr.) **(Rus)**

[Pharmacokinetics of isoniazid, rifampicin and streptomycin in tuberculosis patients with chronic cor pulmonale] Petrenko VI. **Probl Tuberk** 1985;(10):34–7 (Eng. Abstr.) **(Rus)**

[Pulmonary surfactant in the expired air condensate of patients with respiratory tuberculosis] Pylishev VV. **Probl Tuberk** 1985;(10):18–20 (Eng. Abstr.) **(Rus)**

[Activity of alpha 1-antitrypsin and alpha 2-macroglobulin and excretion of metabolites of the connective tissue in patients with pulmonary tuberculosis] Kaminskaia GO, et al. **Ter Arkh** 1986;58(4):110–3 **(Rus)**

MICROBIOLOGY

Epidemiology of infection by nontuberculous mycobacteria. VI. Identification and use of epidemiologic markers for studies of Mycobacterium avium, M. intracellulare, and M. scrofulaceum. Fry KL, et al. **Am Rev Respir Dis** 1986 Jul;134(1):39–43

Incidence of resistance to primary and secondary antituberculosis drugs in isolates of M. tuberculosis from cases of pulmonary tuberculosis. Kothadia SN, et al. **Indian J Chest Dis Allied Sci** 1984 Jul-Sep;26(3):163–6

Plasmid DNA profiles as epidemiological markers for clinical and environmental isolates of Mycobacterium avium, Mycobacterium intracellulare, and Mycobacterium scrofulaceum. Meissner PS, et al. **J Infect Dis** 1986 Feb;153(2):325–31

Leads from the MMWR. Bacteriologic conversion of sputum among tuberculosis patients—United States. **JAMA** 1986 Jan 24-31;255(4):451, 455–6

Mycobacterium fortuitum subspecies acetamidolyticum, a new subspecies of Mycobacterium fortuitum. Tsukamura M, et al. **Microbiol Immunol** 1986;30(2):97–110

Bacteriologic conversion of sputum among tuberculosis patients—United States. **MMWR** 1985 Dec 13;34(49):747–50

Mycobacterium gordonae: a new pathogen? Douglas JG, et al. **Thorax** 1986 Feb;41(2):152–3

[Indications for the surgical treatment of pulmonary tuberculosis explored on the basis of the bacteriologic examination of lung specimens] Chen HL. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1985 Dec;8(6):348–50, 373 (Eng. Abstr.) **(Chi)**

[Increased significance of lung diseases caused by so-called atypical mycobacteria] Radenbach KL, et al. **Off Gesundheitswes** 1985 Sep;47(9):459–62 **(Ger)**

[A new Mycobacterium considered as lung pathogen (Mycobacterium acetamidolyticum sp. nov.)] Tsukamura M, et al. **Kekkaku** 1986 Apr;61(4):257–64 (Eng. Abstr.) **(Jpn)**

[Biochemical activity and drug sensitivity of Mycobacterium tuberculosis in selected forms of pulmonary tuberculosis] Polz MA, et al. **Pneumonol Pol** 1985 Oct;53(10):482–6 (Eng. Abstr.) **(Pol)**

[L forms of Mycobacterium tuberculosis and their clinico-epidemiological significance] Anastasatu C, et al. **Rev Ig [Pneumoftiziol]** 1985 Jul-Sep;34(3):203–13 (42 ref.) **(Rum)**

[Comparative evaluation of bacterioscopic and bacteriological methods for detecting bacterial excretion in newly diagnosed patients with destructive pulmonary tuberculosis] Roslik SM, et al. **Lab Delo** 1986;(5):298–300 (Eng. Abstr.) **(Rus)**

[A simplified method of preparing and staining smears for the detection of Mycobacterium tuberculosis by the luminescence method] Zhak NF, et al. **Lab Delo** 1986;(6):364–5 (Eng. Abstr.) **(Rus)**

[Case of primary poly-drug resistance of mycobacteria from a 70-year-old tuberculosis patient] Deribas TB. **Probl Tuberk** 1985;(11):67–8 **(Rus)**

[Development and practical introduction of measures for improving the microbiological examination of tuberculosis patients] Murova NV, et al. **Probl Tuberk** 1985;(8):15–7 (Eng. Abstr.) **(Rus)**

[Characteristics of bacteria shedding among patients with destructive pulmonary tuberculosis] Roslik SM, et al. **Vrach Delo** 1986 May;(5):94–7 (Eng. Abstr.) **(Rus)**

MORTALITY

Tuberculosis—still a major problem. Schweinle JE. **Tex Med** 1985 Nov;81(11):27–31

[Follow-up study of patients with tuberculosis staying at hospitals for more than five years in the survey of 1975. (Part 1). Results of the survey in 1981, with special reference to dead and discharged patients. The Tuberculosis Research Committee, RYOKEN] **Kekkaku** 1985 Jun;60(6):351–60 (Eng. Abstr.) **(Jpn)**

[Causes of death in tuberculosis (data of pathomorphological studies] Prilmak AA, et al. **Probl Tuberk** 1986;(5):3–7 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Tuberculosis in a developed country. Lange P, et al. **Acta Med Scand** 1986;219(5):481–7

The epidemiology of tuberculosis in Chile. **Bull Pan Am Health Organ** 1985;19(2):206–8

Risk factors for reactivation of tuberculosis in Manitoba. Johnson IL, et al. **Can Med Assoc J** 1985 Dec 15;133(12):1221–4

A tuberculin survey in the Buhera district. Borgdorff MW, et al. **Cent Afr J Med** 1985 Nov;31(11):215–9

Tuberculosis in Korea. The relationship between prior therapy and drug resistance. Etzkorn ET, et al. **Chest** 1986 Aug;90(2):247–50

Byssinosis and tuberculosis in the cotton industry in Sudan. el Karim MA, et al. **East Afr Med J** 1985 Jul;62(7):491–500

Tuberculosis epidemiological situation in the world and in Hungary (1882–1982). Németh T, et al. **Geogr Med** 1985;15:1–16

Effectiveness of tuberculin skin test screening in a rural family practice. Cornell JT, et al. **J Fam Pract** 1985 Dec;21(6):455–9

Protocol for tuberculosis screening in pregnancy. Bush JJ. **J Obstet Gynecol Neonatal Nurs** 1986 May-Jun;15(3):225–30

Pulmonary tuberculosis in Nigeria. Elegbe IA, et al. **J R Soc Health** 1986 Apr;106(2):69–71

Tuberculosis in nursing homes. Anderson HR. **J Tenn Med Assoc** 1985 Dec;78(12):765–6

Leads from the MMWR. Tuberculosis among migrant farm workers—Virginia. **JAMA** 1986 Aug 22-29;256(8):977, 981

Outbreak of pulmonary tuberculosis in children. Bosley AR, et al. **Lancet** 1986 May 17;1(8490):1141–3

Tuberculosis among migrant farm workers—Virginia. **MMWR** 1986 Jul 25;35(29):467–9

Tuberculosis screening in industry [editorial] Myers J. **S Afr Med J** 1986 Aug 30;70(5):251–2

Field testing along a disease gradient: some geographical dimensions of tuberculosis in Puerto Rico. Hunter JM, et al. **Soc Sci Med** 1985;21(9):1023–42

Tuberculosis in Tanzania—a national survey of newly notified cases. Tanzanian/British Medical Research Council Collaborative Study. **Tubercle** 1985 Sep;66(3):161–78

Studies of case-finding for pulmonary tuberculosis in outpatients at 4 district hospitals in Kenya. Aluoch JA, et al. **Tubercle** 1985 Dec;66(4):237–49

[Modes of case-finding of tuberculous patients in rural areas] Duo ZL. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1985 Jun;8(3):172–3, 191 (Eng. Abstr.) **(Chi)**

[Survey of the tuberculosis initiative case-finding method] Wang JD. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1985 Jun;8(3):168–71, 191 (Eng. Abstr.) **(Chi)**

[Basic experiences of a nation-wide epidemiologic survey of tuberculosis with selective examination of samples] He M. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1985 Aug;6(4):214–6 (Eng. Abstr.) **(Chi)**

[Tuberculosis in Copenhagen. Patterns of presentation, treatment and prognosis] Mortensen J, et al. **Ugeskr Laeger** 1985 Jul 29;147(31):2488–93 (Eng. Abstr.) **(Dan)**

[Tuberculosis contagion. Results of a personalized epidemiologic study] Abbas M, et al. **Tunis Med** 1985 Nov;63(11):623–6 (Eng. Abstr.) **(Fre)**

[Epidemiologic study of refugees from Southeast Asia admitted to the Maisonneuve-Rosemont Hospital Center between 1980 and 1983] Domaradzki M, et al. **Union Med Can** 1985 Nov;114(11):947–9 (Eng. Abstr.) **(Fre)**

[What is the status of tuberculosis among the occupational diseases today?] Gensch RW, et al. **Off Gesundheitswes** 1985 Sep;47(9):435–9 **(Ger)**

[Follow-up study on the patients with tuberculosis staying at hospitals for more than five years at the survey of 1975 (Part 2). On the patients still staying in hospitals in 1981] **Kekkaku** 1985 Jul;60(7):397–403 (Eng. Abstr.) **(Jpn)**

[Epidemiological study on pulmonary tuberculosis and lung cancer] Aoki K. **Kekkaku** 1985 Dec;60(12):629–42 (Eng. Abstr.) **(Jpn)**

[Significance of a tuberculous ward of Nihon University Hospital—from the experience during the past 10 years] Hashimoto S, et al. **Kekkaku** 1985 Jul;60(7):389–95 (Eng. Abstr.) **(Jpn)**

[Epidemic of tuberculosis estimated from the distribution of reactions to PPD skin test] Nakamura T, et al. **Kekkaku** 1985 Sep;60(9):463–8 (Eng. Abstr.) **(Jpn)**

[Pulmonary tuberculosis of university students] Shigenobu T. **Kekkaku** 1985 Nov;60(11):561–6 (Eng. Abstr.) **(Jpn)**

[Studies on lung disease due to non-tuberculous mycobacteria in Japan (Report for the year 1984 of the Mycobacteriosis Research Group of the Japanese National Chest Hospitals)—the same trend in the epidemiological state as seen in the preceding year] Tsukamura M, et al. **Kekkaku** 1986 May;61(5):277–84 (Eng. Abstr.) **(Jpn)**

[Current status and outlook of the tuberculosis problem in Romania] Anastasatu C, et al. **Rev Ig [Pneumoftiziol]** 1985 Oct-Dec;34(4):289–300 **(Rum)**

[Cases of tuberculosis of the respiratory system in patients over 60] Didilescu C, et al. **Rev Ig [Pneumoftiziol]** 1985 Oct-Dec;34(4):359–67 (Eng. Abstr.) **(Rum)**

[Tuberculosis among the teaching personnel and students at the Central University of Cluj-Napoca (1926–1983)] Moisescu V, et al. **Rev Ig [Pneumoftiziol]** 1985 Oct-Dec;34(4):325–38 (Eng. Abstr.) **(Rum)**

[Structure of newly diagnosed pulmonary tuberculosis of the respiratory organs of adolescents] Aleksandrova TM, et al. **Probl Tuberk** 1985;(7):40–3 (Eng. Abstr.) **(Rus)**

[Organization of the microbiological examination of tuberculosis patients in the RSFSR] Iashchenko TN. **Probl Tuberk** 1985;(8):3–6 (Eng. Abstr.) **(Rus)**

[Organization of the detection and treatment of tuberculosis in the inhabitants of rural mountain regions] Rudol NM, et al. **Probl Tuberk** 1986;(4):6–10 (Eng. Abstr.) **(Rus)**

[Course of infiltrative tuberculosis of the lungs at the current time] Rymko NL, et al. **Probl Tuberk** 1985;(7):4–7 (Eng. Abstr.) **(Rus)**

[Characteristics of the epidemiology of tuberculosis and the organization of present-day tuberculosis control] Vil'derman AM, et al. **Probl Tuberk** 1985;(6):3–6 (Eng. Abstr.) **(Rus)**

[Characteristics of recurrent tuberculosis of the respiratory organs among the rural population] Vitols Ofa, et al. **Probl Tuberk** 1985;(6):9–11 (Eng. Abstr.) **(Rus)**

[Dynamics of pulmonary tuberculosis morbidity among rural inhabitants] Zozuliak VI. **Vrach Delo** 1986 Apr;(4):66–8 (Eng. Abstr.) **(Rus)**

[Tuberculosis and social margination (letter)] Fortuny G, et al. **Med Clin (Barc)** 1985 Nov 16;85(16):686 **(Spa)**

[Is tuberculosis increasing in Spain?] Vidal Pla R, et al. **Med Clin (Barc)** 1986 May 24;86(20):845–7 **(Spa)**

PATHOLOGY

32-year-old AIDS patient with progressive pulmonary infiltrates [clinical conference] White A, et al. **Indiana Med** 1985 Oct;78(10):884–90

Asbestos and tuberculosis in Trieste, Italy. Walker AM, et al. **J Occup Med** 1985 Nov;27(11):831–4

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 2-1986. A 58-year-old woman with fever and nodular pulmonary infiltrates. **N Engl J Med** 1986 Jan 16;314(3):167–74

[Bilateral middle ear tuberculosis and morphologically unusual lung tuberculosis in an 11-year-old boy] Dannecker G, et al. **Monatsschr Kinderheilkd** 1985 Aug;

133(8):542–4 (Eng. Abstr.) (Ger)
[Tuberculosis as unexpected autopsy diagnosis] Mehlhorn J. **Z Arztl Fortbild (Jena)** 1985;79(16):691–3 (Ger)
[Lung infections due to Mycobacterium fortuitum and Mycobacterium chelonae. Reports of nine cases of M. fortuitum infection and four cases of M. chelonae infection] Tsukamura M, et al. **Kekkaku** 1985 Aug;60(8):429–34 (Eng. Abstr.) (Jpn)
[Granuloma formation—observation on the cells in total pulmonary lavage fluids of experimental murine mycobacteriosis] Kuze F, et al.
Nippon Kyobu Shikkan Gakkai Zasshi 1985 Oct; 23(10):1105–8 (Eng. Abstr.) (Jpn)
[Post-caustic esophageal stricture and consecutive disease states: bacilliferous pulmonary tuberculosis, esophagotracheal fistula, secondary amenorrhea (a case report)] Kálmán K. **Rev Ig [Pneumoftiziol]** 1985 Oct–Dec; 34(4):375–9 (Eng. Abstr.) (Rum)
[Morphological manifestations of tuberculosis infection at the recent stage] Bubochkin BP, et al. **Probl Tuberk** 1985; (6):56–9 (Eng. Abstr.) (Rus)
[Characteristics of morphological changes in the lungs of guinea pigs after administration of ultra-small forms of Mycobacteria obtained from patients with tuberculosis] Khomenko AG, et al. **Probl Tuberk** 1986;(6):46–50 (Eng. Abstr.) (Rus)
[Incidence of cancer in patients at a tuberculosis hospital (autopsy data)] Piatnochka IT. **Probl Tuberk** 1985;(9):64–7 (Eng. Abstr.) (Rus)
[Results of bacterioscopy of unstained smears of the contents of a pulmonary tuberculoma in indirect light] Pctoskuev IuA. **Probl Tuberk** 1985;(7):64–7 (Eng. Abstr.) (Rus)
[Ultrastructural changes in the gingiva of pulmonary tuberculosis patients] Avdonina LI, et al.
Stomatologiia (Mosk) 1986 Mar–Apr;65(2):16–8 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Effects of protein deprivation and BCG vaccination on alveolar macrophage function in pulmonary tuberculosis. McMurray DN, et al. **Am Rev Respir Dis** 1986 Jun; 133(6):1081–5
Adrenal function in tuberculosis. Ellis ME, et al.
Br J Dis Chest 1986 Jan;80(1):7–12
An anthropometric study of pulmonary tuberculosis patients from Taung, Bophuthatswana, South Africa. Cameron N, et al. **Hum Biol** 1986 Apr;58(2):251–9
Haematological and iron-related measurements in active pulmonary tuberculosis. Baynes RD, et al.
Scand J Haematol 1986 Mar;36(3):280–7
[Respiratory biomechanics and pulmonary scintigraphy data of pulmonary tuberculoma patients before and after surgical treatment] Strelis AK, et al. **Grudn Khir** 1985 Nov–Dec; (6):57–60 (Eng. Abstr.) (Rus)
[Use of the graded physical load for the evaluation of coronary circulation in patients with pulmonary tuberculosis] Lapteva IM. **Probl Tuberk** 1985;(9):31–4 (Eng. Abstr.) (Rus)
[Cardiovascular function of pulmonary tuberculosis patients undergoing transfusion therapy and parenteral feeding] Nevenglovskil IE, et al. **Probl Tuberk** 1985;(12):42–6 (Eng. Abstr.) (Rus)
[External respiratory function in patients with tuberculosis and nonspecific lung diseases observed in a regional tuberculosis dispensary] Postoiuk MG, et al.
Probl Tuberk 1986;(6):26–8 (Eng. Abstr.) (Rus)
[Respiratory biomechanics and the state of pulmonary capillary blood flow in tuberculoma patients] Strelis AK, et al. **Probl Tuberk** 1985;(10):20–3 (Eng. Abstr.) (Rus)
[Hemodynamics of the lesser and greater circulation in patients with pulmonary tuberculosis] Vizel' AA, et al.
Probl Tuberk 1986;(3):21–5 (Eng. Abstr.) (Rus)
[New aspects of using integral rheography of the body in phthisiopulmonological practice] Vizel' AA, et al.
Probl Tuberk 1985;(6):25–7 (Eng. Abstr.) (Rus)
[The function of the bronchi draining healed caverns] Vorozhtsova MP, et al. **Probl Tuberk** 1986;(1):63–4 (Rus)
[Compensatory characteristics of the central hemodynamics and body oxygen of patients with tuberculosis and other lung diseases undergoing surgical treatment] Zverev VV. **Probl Tuberk** 1986;(1):26–9 (Eng. Abstr.) (Rus)
[Effect of tuberculin on the hemodynamics of the lesser circulation in patients with pulmonary tuberculosis] Ershov AI, et al. **Sov Med** 1985;(11):9–13 (Eng. Abstr.) (Rus)
[Hemodynamics of the systemic circulation and pulmonary ventilation in pulmonary tuberculosis] Krasnoperov FT, et al. **Sov Med** 1986;(1):71–3 (Rus)
[State of the osmotic resistance of lymphocytes in patients with pulmonary tuberculosis] Bondarenko VP, et al.
Vrach Delo 1985 Sep;(9):80–2 (Eng. Abstr.) (Rus)
[Respiratory mechanics in patients with pulmonary tuberculoma] Mulik LI. **Vrach Delo** 1985 Sep;(9):78–80 (Eng. Abstr.) (Rus)
[Effect of a measured physical load on the pressure level in the pulmonary artery of pulmonary tuberculosis patients] Timoshezko GA. **Vrach Delo** 1985 Aug;(8):103–5 (Eng. Abstr.) (Rus)
[Evaluation of the work capacity of tuberculosis patients] Rebić P. **Srp Arh Celok Lek** 1984 Nov–Dec; 112(11–12):1159–66 (Eng. Abstr.) (Sec)

PREVENTION & CONTROL

Tuberculosis—a continuing problem [editorial] Farer LS. **Am Rev Respir Dis** 1986 Jul;134(1):2–3
The effectiveness of BCG vaccination of the newborn against childhood tuberculosis in Bangkok. Padungchan S, et al. **Bull WHO** 1986;64(2):247–58
Comparison of two hospital tuberculosis surveillance programs: risks and benefits. Hertzman C, et al.
Can J Public Health 1985 Jul–Aug;76(4):237–43
Effective dose equivalent and associated risks from mass chest radiography in Kuwait. Mustafa AA, et al. **Health Phys** 1985 Dec;49(6):1147–54
Management of the incidentally discovered tuberculin reactor. Covelli HD. **Indiana Med** 1986 Apr;79(4):354–7
Participation by health professional students in tuberculin screening. Cameron PW. **J Am Coll Health** 1986 Jun; 34(6):288–9
Low prevalence of the booster phenomenon in nursing-home employees in Maryland. Gross TP, et al. **Md Med J** 1986 Feb;35(2):107–9
Integrating the client's perspective in planning a tuberculosis education and treatment program in Honduras. Mata JI. **Med Anthropol** 1985 Winter;9(1):57–64
Situation of TB control programme in Turkey. Koçoglu MF. **Rev Ig [Pneumoftiziol]** 1985 Apr–Jun;34(2):159–60
Failure of tuberculosis control in South Africa—the need for a unitary national health service [editorial] Benatar SR. **S Afr Med J** 1986 Aug 30;70(5):247–8
Regional variations in tuberculosis policy in the Cape and Ciskei. Thomson EM, et al. **S Afr Med J** 1986 Aug 30; 70(5):253–7
[Tuberculosis control in Malawi. Time distribution of cessation of treatment and proposals for reorientation of the program] Lehingue Y, et al.
Bull Soc Pathol Exot Filiales 1986;79(2):259–65 (Eng. Abstr.) (Fre)
[The Paraguay project. Short report on a tuberculosis/leprosy eradication program] Freerksen E.
Fortschr Med 1986 Feb 6;104(5):105–7 (Eng. Abstr.) (Ger)
[Can tuberculin testing replace the x-ray study?] Matthiessen W, et al. **Off Gesundheitswes** 1985 Sep;47(9):463–7 (Ger)
[Risk of relapse in tuberculosis] Forschbach G.
Prax Klin Pneumol 1985 Nov;39(11):444–6 (Eng. Abstr.) (Ger)
[Roentgen mass screening then and now] Meier E.
Prax Klin Pneumol 1985 Nov;39(11):431–7 (Eng. Abstr.) (Ger)
[Tuberculosis and BCG vaccination] Hitzig WH.
Ther Umsch 1986 Jul;43(7):577–80 (Eng. Abstr.) (Ger)
[Role of the Polish Phthisiopneumological Society in the prevention of tuberculosis and lung diseases] Pichulowa K, et al. **Przegl Lek** 1986;43(2):273–5 (Pol)
[Dynamic evaluation of integrated antitubercular actions in the Iasi district] Arbore A, et al. **Rev Ig [Pneumoftiziol]** 1986 Jan–Mar;35(1):93–4 (Rum)
[Methods for optimizing integrated antituberculosis control in the Cluj district] Petrescu G, et al.
Rev Ig [Pneumoftiziol] 1986 Jan–Mar;35(1):79–82 (Rum)
[The late impact on young people of prophylactic measures aimed at children and adolescents] Porav I, et al.
Rev Ig [Pneumoftiziol] 1985 Jul–Sep;34(3):229–31 (Eng. Abstr.) (Rum)
[Means for increasing the effectiveness of bacteriological research in tuberculosis control institutions] Blagodarnyl IaA, et al. **Probl Tuberk** 1985;(8):7–9 (Eng. Abstr.) (Rus)
[Dynamics of the detectability of tuberculosis and nonspecific lung diseases during mass fluorographic examinations of the rural population] Dzhunusbekov AD, et al.
Probl Tuberk 1985;(10):3–5 (Eng. Abstr.) (Rus)
[Prevention of tuberculosis and other inflammatory respiratory diseases in persons with a high risk for the disease and their dispensary care] Gamperis IuL, et al.
Probl Tuberk 1985;(12):6–8 (Eng. Abstr.) (Rus)
[Chemoprophylaxis of persons in dispensary registration group VII taking into account the risk factors of tuberculosis reactivation] Kovaleva SI, et al.
Probl Tuberk 1985;(10):8–11 (Eng. Abstr.) (Rus)
[Role of centralized control as a method of preventing chronic destructive forms of pulmonary tuberculosis] Shimko EN, et al. **Probl Tuberk** 1985;(6):12–4 (Eng. Abstr.) (Rus)
[Results and characteristics of the BI-IM jet injector for conducting mass Mantoux tests with 2 TU] Shvartser IS, et al. **Probl Tuberk** 1986;(6):6–10 (Eng. Abstr.) (Rus)
[Ways of increasing the effectiveness of examinations of the population to prevent tuberculosis and other lung diseases] Usatiuk AI, et al. **Probl Tuberk** 1985;(9):10–1 (Eng. Abstr.) (Rus)
[Role of repeated fluorographic examinations of rural residents in reducing tuberculosis morbidity] Vatrasevich TIa, et al. **Vrach Delo** 1986 Jan;(1):120–1 (Rus)
[Antituberculosis prevention with isoniazid] Palomera Frade J, et al. **Med Clin (Barc)** 1985 Oct 26;85(13):545–7 (Spa)
[Control of tuberculosis in Sweden—a suggestion] Böttiger M, et al. **Lakartidningen** 1986 Apr 23;83(17):1593–600 (Swe)

PSYCHOLOGY

Psychiatric aspects of tuberculosis. Moran MG.
Adv Psychosom Med 1985;14:109–18
Brainwashing in tuberculosis management. Garner P, et al.
Papua New Guinea Med J 1985 Dec;28(4):291–3
[The psyche and tuberculosis: the libido organization of Franz Kafka] White JS. **Psyche (Stuttg)** 1986 Jun; 40(6):473–526 (Ger)
[Psychosocial problems in hospital care of patients with pulmonary tuberculosis] Chodkowska M, et al.
Wiad Lek 1986 Mar 15;39(6):361–8 (Eng. Abstr.) (Pol)
[Levels of anxiety and fear in patients with newly detected pulmonary tuberculosis treated in hospital and ambulatory conditions] Pecyna MB. **Wiad Lek** 1985 May 15; 38(10):693–700 (Eng. Abstr.) (Pol)

RADIOGRAPHY

Update: the radiographic features of pulmonary tuberculosis. Woodring JH, et al. **AJR** 1986 Mar;146(3):497–506
Pneumocystis carinii pneumonia radiographically simulating tuberculosis. Milligan SA, et al. **Am Rev Respir Dis** 1985 Nov;132(5):1124–6
Initial roentgenographic manifestations of bacteriologically proven Mycobacterium tuberculosis. Typical or atypical? Farman DP, et al. **Chest** 1986 Jan;89(1):75–7
Different conclusions from similar data. The half empty glass [editorial] Kovnat DM. **Chest** 1986 Jan;89(1):1
TB or not TB. The half full glass [letter] Speir WA, et al. **Chest** 1986 Aug;90(2):306–7
Radiographic artifact from braided hair mimicking tuberculosis [letter] Buccini RV, et al. **N Engl J Med** 1985 Nov 7;313(19):1227–8
Primary pulmonary tuberculosis in infancy: a resurgent disease in the urban United States. Amodio J, et al.
Pediatr Radiol 1986;16(3):185–9
Radiological patterns of pulmonary tuberculosis in the paediatric age group. Lamont AC, et al. **Pediatr Radiol** 1986;16(1):2–7
Expanding spectrum of pulmonary disease caused by nontuberculous mycobacteria. Albelda SM, et al.
Radiology 1985 Nov;157(2):289–96
[Radiographic-pathologic correlative study of 311 cases of pulmonary tuberculosis] Bai YQ.
Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1985 Jun;8(3):165–7, 191 (Eng. Abstr.) (Chi)
[Differential diagnosis of a solitary shadow in the lung field—with special reference to the diagnosis of pulmonary tuberculosis] Arai R, et al. **Kekkaku** 1986 Jan;61(1):28–31 (Jpn)
[Differentiation of lung cancer from pulmonary tuberculosis—a practicing physician's viewpoint] Hamana S. **Kekkaku** 1986 Jan;61(1):40–5 (Jpn)
[Differential diagnosis of lung cancer and pulmonary tuberculosis—mass screening] Yamamoto F. **Kekkaku** 1986 Jan;61(1):34–9 (Jpn)
[X-ray semeiotics of the functional changes in the respiratory organs of patients with limited forms of tuberculosis] Gapon'ko GA, et al. **Probl Tuberk** 1985;(12):19–23 (Eng. Abstr.) (Rus)
[Value of mass fluorographic examinations for the detection of patients with tuberculosis of the respiratory organs] Ginzburg EA, et al. **Probl Tuberk** 1986;(6):10–2 (Eng. Abstr.) (Rus)
[Clinical x-ray and immunological parallels in pulmonary tuberculomas] Gudz' EA. **Probl Tuberk** 1986;(1):24–6 (Eng. Abstr.) (Rus)
[Clinical x-ray indices of pulmonary tuberculoma activity] Gudz' EA. **Probl Tuberk** 1985;(8):19–24 (Eng. Abstr.) (Rus)
[Computerized tomography in the diagnosis of tuberculomas and infiltrative pulmonary tuberculosis] Koriakin VA, et al. **Probl Tuberk** 1986;(2):22–4 (Eng. Abstr.) (Rus)
[Developmental anomalies of the lungs and tuberculosis—diagnosis and surgical treatment] Mukhin EP, et al. **Probl Tuberk** 1986;(3):51–5 (Eng. Abstr.) (Rus)
[Destructive tuberculosis of the respiratory organs in roentgen-positive and roentgen-negative persons] Ginzburg EA, et al. **Sov Med** 1986;(3):91–4 (Rus)

RADIONUCLIDE IMAGING

The value of gallium-67 scanning in pulmonary tuberculosis. Walsh TJ, et al. **Am Rev Respir Dis** 1985 Oct;132(4):746–7
[Pulmonoscintigraphy in sarcoidosis and certain forms of pulmonary tuberculosis] Palamarchuk VP, et al.
Med Radiol (Mosk) 1985 Sep;30(9):37–40 (Eng. Abstr.) (Rus)
[Clinical significance of the changes in the parameters of the radiohepatogram of pulmonary tuberculosis patients] Voskresenskil ON. **Probl Tuberk** 1985;(8):33–7 (Eng. Abstr.) (Rus)

REHABILITATION

[The social environment of tuberculosis patients in the high-altitude clinics and at work] Karrer W, et al.
Schweiz Rundsch Med Prax 1986 Feb 25;75(9):213–6 (Eng. Abstr.) (Ger)
[Experience with the rehabilitation of patients with pulmonary tuberculosis in a rural population] Starchak AV, et al. **Probl Tuberk** 1986;(3):16–8 (Eng. Abstr.) (Rus)

SURGERY

Late exudative complications of collapse therapy for pulmonary tuberculosis. Schmid FG, et al. **Chest** 1986 Jun; 89(6):822–7

[Long–term results of surgical treatment of severe pulmonary tuberculosis] Ni GX. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1984 Aug;7(4):213–5, 254 (Eng. Abstr.) (Chi)

[Indications for the surgical treatment of lung tuberculosis in the era of short–term chemotherapy] Liebig S. **Off Gesundheitswes** 1986 Jan;48(1):42–8 (Eng. Abstr.) (Ger)

[Pathogenesis, diagnosis and treatment of postoperative intrapleural hemorrhages in patients subjected to surgery for tuberculosis and other pulmonary pathology] Bruker IE, et al. **Grudn Khir** 1985 Jul–Aug;(4):46–8 (Rus)

[Electric stimulation of phrenic nerves in pulmonary phthisiosurgery] Prilmak AA, et al. **Grudn Khir** 1986 May–Jun;(3):56–9 (Eng. Abstr.) (Rus)

[Electroanesthesia in the surgery of pulmonary tuberculosis] Sachkov VI, et al. **Grudn Khir** 1985 Nov–Dec;(6):44–9 (Eng. Abstr.) (Rus)

[Surgical treatment of patients with tuberculosis of the lungs associated with bronchial asthma] Strel'tsov VP, et al. **Grudn Khir** 1986 May–Jun;(3):53–6 (Rus)

[Prevention and treatment of blood coagulation disorders after lung surgery] Zverev VV. **Grudn Khir** 1985 Jul–Aug; (4):34–7 (Eng. Abstr.) (Rus)

[Pleuropneumonectomy in chronic empyema associated with pulmonary tuberculosis] Kariev TM, et al. **Khirurgiia (Mosk)** 1985 Dec;(12):75–7 (Rus)

[Surgical results with patients having a complicated course of pulmonary tuberculosis] Lozovol EKh, et al. **Klin Khir** 1985;(10):3–5 (Eng. Abstr.) (Rus)

[Evaluation of the methods of blood substitution during the surgical treatment of pulmonary tuberculosis] Pilipchuk NS, et al. **Klin Khir** 1986;(3):24–6 (Eng. Abstr.) (Rus)

[Experience with the management of diabetes mellitus patients during the surgical treatment of pulmonary tuberculosis] Bairamov VIa, et al. **Probl Tuberk** 1985; (8):46–8 (Eng. Abstr.) (Rus)

[Artificial pulmonary ventilation with positive end–expiratory pressure in patients after surgical treatment of pulmonary tuberculosis] Dzhunusbekov AD, et al. **Probl Tuberk** 1986;(6):40–3 (Eng. Abstr.) (Rus)

[Role of surgical treatment methods in improving the health of pulmonary tuberculosis patients] Gur'ianov VN, et al. **Probl Tuberk** 1986;(1):18–9 (Eng. Abstr.) (Rus)

[Operation for pulmonary tuberculosis in a patient with systemic lupus erythematosus] Kakitelashvili IaV, et al. **Probl Tuberk** 1985;(5):71–2 (Rus)

[Lobectomy and conservative resections in disseminated forms of pulmonary tuberculosis] Kariev TM, et al. **Probl Tuberk** 1985;(5):35–9 (Eng. Abstr.) (Rus)

[Comparative evaluation of various types of correction of the pleural cavity volume in combined lung resection in patients with tuberculosis] Kim Iagarov IaE, et al. **Probl Tuberk** 1986;(5):43–6 (Eng. Abstr.) (Rus)

[Radionuclide methods in the evaluation of the status of the lungs after surgery in patients with tuberculosis] Lysikova GK, et al. **Probl Tuberk** 1985;(6):31–5 (Eng. Abstr.) (Rus)

[Surgical treatment of Mycobacterium infections of the lungs] Mikhalev BI. **Probl Tuberk** 1986;(1):42–6 (Eng. Abstr.) (Rus)

[Surgery of pulmonary tuberculosis in diabetes mellitus patients] Perel'man MI, et al. **Probl Tuberk** 1986;(1):38–42 (Eng. Abstr.) (Rus)

[Use of peridural anesthesia in tuberculosis surgery] Rumiantsev VB, et al. **Probl Tuberk** 1985;(5):46–52 (Eng. Abstr.) (Rus)

[Evolution of and outlook for surgical developments in pulmonary tuberculosis] Slepukha IM. **Probl Tuberk** 1985; (5):31–4 (Eng. Abstr.) (Rus)

[Determining cardiac output by rheographic methods in thoracic surgery] Zialin BD, et al. **Probl Tuberk** 1986; (3):18–20 (Eng. Abstr.) (Rus)

[External respiratory function in patients with chronic alcoholism after surgical treatment of pulmonary tuberculosis] Zyskin LIu, et al. **Probl Tuberk** 1986;(5):46–8 (Eng. Abstr.) (Rus)

[Significance of early surgical interventions in alcoholics with pulmonary tuberculosis] Zyskin LIu, et al. **Probl Tuberk** 1985;(9):46–7 (Eng. Abstr.) (Rus)

[Surgical treatment of patients with caseous pneumonia] Bogush LK, et al. **Sov Med** 1985;(8):102–4 (Rus)

[Evaluation of analgesia after administration of morphine into the peridural space during thoracic surgery] Tulautaev MD. **Vestn Khir** 1985 Jul;135(7):102 (Rus)

THERAPY

Perspectives in adolescent tuberculosis: three decades of experience. Nemir RL. **Pediatrics** 1986 Sep;78(3):399–405

Tuberculosis—the patients' perspective. Thomson EM, et al. **S Afr Med J** 1986 Aug 30;70(5):263–4

[One year's follow–up of originally treated in–patients with pulmonary tuberculosis—report of the 23rd series of CSUCT. Cooperative Study Unit of Chemotherapy of Tuberculosis (CSUCT) of the National Sanatoria in Japan] **Kekkaku** 1985 Dec;60(12):617–23 (Eng. Abstr.) (Jpn)

[Long–term results of treatment of patients with tuberculosis associated with diabetes mellitus] Burgielski R. **Pneumonol Pol** 1985 Apr;53(4):182–4 (Eng. Abstr.) (Pol)

[Evaluation of differences in the course of pulmonary tuberculosis 1959–60 and 1979–82] Madey B, et al. **Wiad Lek** 1986 Mar 1;39(5):289–93 (Eng. Abstr.) (Pol)

[Modern problems of phthisiotherapy and the practice of public health] Khomenko AG. **Klin Med (Mosk)** 1985 Dec; 63(12):3–8 (Rus)

[Work of tuberculosis dispensaries in outpatient care for the entire population] Lomako MN, et al. **Probl Tuberk** 1985; (12):3–6 (Eng. Abstr.) (Rus)

[Characteristics of the treatment and outpatient care for tuberculosis patients who are World War II disabled and veterans] Pilipchuk NS, et al. **Probl Tuberk** 1985;(8):17–9 (Eng. Abstr.) (Rus)

[Outcome of newly detected destructive pulmonary tuberculosis] Repnitskaia ZD, et al. **Probl Tuberk** 1986; (2):46–50 (Eng. Abstr.) (Rus)

[A special hospital for patients with pulmonary tuberculosis and alcoholism] Rudol NM, et al. **Probl Tuberk** 1986; (5):7–11 (Eng. Abstr.) (Rus)

[Characteristics of World War II invalids registered in tuberculosis dispensaries] Rudol NM, et al. **Probl Tuberk** 1985;(9):17–9 (Eng. Abstr.) (Rus)

[Use of splenin in the combined treatment of pulmonary tuberculosis patients] Spesivtsev OG, et al. **Probl Tuberk** 1985;(8):28–31 (Eng. Abstr.) (Rus)

[Work experience of a municipal tuberculosis and pulmonology center] Tverdokhlebov PM. **Probl Tuberk** 1985;(12):8–10 (Eng. Abstr.) (Rus)

[Oxygen tension in the skin and lipid peroxidation in oxygen therapy of patients with pulmonary tuberculosis] Ershov AI, et al. **Sov Med** 1985;(7):91–3 (Rus)

[Treatment of infiltrative tuberculosis of the lungs using chemotherapy and galvanization of the degradation cavity] Strelis AK, et al. **Sov Med** 1986;(5):88–9 (Rus)

[Use of hyperbaric oxygenation in the treatment of tuberculosis patients] Bezenkov IV, et al. **Voen Med Zh** 1986 Jun;(6):54–5 (Rus)

TRANSMISSION

Tuberculosis in employees at a Vermont furniture plant. Spitalny KC, et al. **Am J Public Health** 1986 Apr; 76(4):462–3

Tuberculosis in junior hospital doctors [letter] Löfdahl CG, et al. **Br J Dis Chest** 1986 Jan;80(1):96

Adolescent cavitary tuberculosis. Secondary case finding using a social contact scale. Frisch LE. **J Adolesc Health Care** 1985 Nov;6(6):463–7

Infection risk of sputum positive tuberculosis patients to their family contacts with and without chemotherapy. Aziz A, et al. **JPMA** 1985 Aug;35(8):249–52

Indoor infection in a modern building. Shigematsu I, et al. **Tokai J Exp Clin Med** 1985 Aug;10(4):407–13

[The transmission of mycobacteria through the fiberoptic bronchoscope] Bezel R, et al. **Schweiz Med Wochenschr** 1985 Sep 28;115(39):1360–5 (Eng. Abstr.) (Ger)

VETERINARY

Systemic Mycobacterium marinum infection in an Amazon manatee. Morales P, et al. **J Am Vet Med Assoc** 1985 Dec 1;187(11):1230–1

[A case of pulmonary tuberculosis in a dromedary] Chamoiseau G, et al. **Rev Elev Med Vet Pays Trop** 1985; 38(1):28–30 (Eng. Abstr.) (Fre)

TUBERCULOSIS, RENAL

COMPLICATIONS

Ileal conduit diversion from a bivalved kidney. Ogawa A, et al. **J Urol** 1985 Nov;134(5):953–5

Frequent occurrence of renal calculi in tuberculous kidneys in Israel. Dolev E, et al. **Urology** 1985 Dec;26(6):544–5

[Localized xanthogranulomatous pyelonephritis associated with renal tuberculosis (letter)] Saissy JM, et al. **Presse Med** 1985 Dec 14;14(43):2194–5 (Fre)

[Abscess of the psoas muscle and of the thigh secondary to a mastic–like tuberculous kidney] Gallucci M, et al. **Minerva Urol Nefrol** 1985 Jul–Sep;37(3):311–3 (Eng. Abstr.) (Ita)

[Multilocular cystic nephroma associated with tuberculosis and lithiasis] Grunfeld Avellán JA, et al. **Actas Urol Esp** 1985 Sep–Oct;9(5):431–4 (Eng. Abstr.) (Spa)

DIAGNOSIS

[Nonspecific pyelonephritis and the formation of urinary calculi in urogenital tuberculosis] Lenk S, et al. **Z Urol Nephrol** 1986 Apr;79(5):245–52 (Eng. Abstr.) (Ger)

[Microbiological diagnosis of renal tuberculosis] Klimenko MT, et al. **Probl Tuberk** 1985;(8):37–40 (Eng. Abstr.) (Rus)

DRUG THERAPY

[Clinico–experimental studies of therapy optimization in kidney tuberculosis] Köhler H, et al. **Z Urol Nephrol** 1985 Sep;78(9):489–99 (Eng. Abstr.) (Ger)

[Results obtained with the drug and surgical treatment of exclusive renal tuberculoma with uni– or bilateral polar localization] Stoica S, et al. **Rev Med Chir Soc Med Nat Iasi** 1985 Jan–Mar;89(1):57–9 (Eng. Abstr.) (Rum)

[Effect of terrilytin on tissue bacteriostatic activity in the chemotherapy of renal and female genital tuberculosis in an experiment] Iagafarova RK, et al. **Antibiot Med Biotekhnol** 1986 Apr;31(4):294–7 (Eng. Abstr.) (Rus)

[Therapeutic tactics in patients with tuberculosis of the urinary system and allergy to antitubercular drugs] Stepanov PI. **Probl Tuberk** 1986;(3):44–7 (Eng. Abstr.) (Rus)

ETIOLOGY

[Tuberculosis in the transplanted kidney] de Campos–Freire G, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1985 Mar–Apr; 40(2):87–9 (Eng. Abstr.) (Por)

OCCURRENCE

The changing pattern of renal tuberculosis. Petković S, et al. **Int Urol Nephrol** 1986;18(2):119–24

PATHOLOGY

[Case of combined tuberculosis and tumor of the kidney] Tsvetkov M, et al. **Khirurgiia (Sofiia)** 1985;38(5):69–71 (Bul)

PHYSIOPATHOLOGY

[External respiratory function of nephrotuberculosis patients] Kalankhodzhaev AA, et al. **Probl Tuberk** 1986;(4):42–6 (Eng. Abstr.) (Rus)

RADIOGRAPHY

Computed tomographic features of renal tuberculosis. Okazawa N, et al. **Radiat Med** 1985 Oct–Dec;3(4):209–13

[Megapolycaliosis as a reason for over–diagnosis of renal tuberculosis] Morozov NV. **Vestn Rentgenol Radiol** 1985 Nov–Dec;(6):86–7 (Rus)

SURGERY

[Effectiveness of the surgical treatment of patients with tuberculosis of the kidneys and urinary tract] Abdumuminov AA, et al. **Probl Tuberk** 1986;(5):52–5 (Eng. Abstr.) (Rus)

[Elaboration of organ–sparing operations in cavernous tuberculosis of the kidneys] Shapkin AG, et al. **Vestn Khir** 1985 Jun;134(6):77–81 (Eng. Abstr.) (Rus)

[Autotransplantation of the kidney in tuberculosis] Shapkin AG, et al. **Vestn Khir** 1985 Nov;135(11):94–7 (Eng. Abstr.) (Rus)

THERAPY

[Experimental basis for using physical and enzyme therapy with terrilytin in renal tuberculosis] Bellendir EN, et al. **Probl Tuberk** 1985;(8):63–8 (Eng. Abstr.) (Rus)

[Possibilities of hemosorption for increasing the effectiveness of treatment of patients with renal tuberculosis with chronic renal insufficiency] Strel'nikova VA, et al. **Probl Tuberk** 1985;(9):48–50 (Eng. Abstr.) (Rus)

TUBERCULOSIS SOCIETIES see under **VOLUNTARY HEALTH AGENCIES**

TUBERCULOSIS, SPINAL

CLASSIFICATION

A clinical study and classification of posterior spinal tuberculosis. Kumar K. **Int Orthop** 1985;9(3):147–52

COMPLICATIONS

Tuberculous spondylitis in adults. Lifeso RM, et al. **J Bone Joint Surg [Am]** 1985 Dec;67(9):1405–13

Tuberculous spondylitis: a cause for paraplegia in lupus. Drosos AA, et al. **Rheumatol Int** 1985;5(4):185–6

[Functional disorders of external respiration in patients with disseminated forms of tuberculous spondylitis and its sequelae] Garbuz AE, et al. **Probl Tuberk** 1986;(4):39–42 (Eng. Abstr.) (Rus)

DIAGNOSIS

MRI of tuberculous spondylitis. de Roos A, et al. **AJR** 1986 Jul;147(1):79–82

Paraspinal granuloma. Sekaran VI, et al. **J Indian Med Assoc** 1985 Jun;83(6):215–6

Neuroblastoma simulating tuberculous extradural granuloma. Subburam P, et al. **J Indian Med Assoc** 1985 Oct; 83(10):349–50

Manifestations of Pott's disease in the head and neck. Neal SL, et al. **Laryngoscope** 1986 May;96(5):494–7

[Cervical Pott's disease. Apropos of 26 cases observed at the Fann University Hospital Center] Gueye M, et al. **Dakar Med** 1984;29(1):237–48 (Eng. Abstr.) (Fre)

[Tuberculosis of the spine in children (Pott's disease)] Bader D, et al. **Harefuah** 1985 Nov 15;109(10):276–9 (Eng. Abstr.) (Heb)

[Isolated tuberculous spondylitis in the older person as a diagnostic problem] Mrda V, et al. **Vojnosanit Pregl** 1986

Jan-Feb;43(1):68-70 (Ser)

HISTORY

[The man behind the syndrome: Percivall Pott. Reorganizer in English surgery—he even wielded the pen masterfully] Hakulinen E. **Lakartidningen** 1985 Aug 21;82(34):2784-5 (Swe)

MICROBIOLOGY

[61 years' survival of Koch's bacillus in a closed focus. Disclosure in a case of spinal cord compression caused by sequelae of Pott's disease] Bouchez B, et al. **Rev Neurol (Paris)** 1985;141(5):420-2 (Eng. Abstr.) (Fre)

PATHOLOGY

[Value of punch and puncture drill biopsy in the diagnosis of tuberculous spondylitis] Caerhati MD. **Z Orthop** 1986 Jan-Feb;124(1):79-88 (Eng. Abstr.) (Ger)

RADIOGRAPHY

Radiological differentiation of tuberculous and pyogenic osteomyelitis: a case report. Peterson CK, et al. **J Manipulative Physiol Ther** 1986 Mar;9(1):39-42

Tuberculosis of the spine. CT demonstration of paravertebral abscess. Psarras H, et al. **Radiologe** 1985 Jul;25(7):339-41

Case report 344. Tuberculous spondylitis resulting in atlanto-axial dislocation. Dowd CF, et al. **Skeletal Radiol** 1986;15(1):65-8

[The significance of narrowed intervertebral disks for the diagnosis of spinal tuberculosis] Stutzer H. **ROFO** 1985 Nov;143(5):595-6 (Ger)

[X-ray manifestations of tuberculous spondylitis in newly ill patients 50 and older] Sovetova NA, et al. **Probl Tuberk** 1985;(12):23-7 (Eng. Abstr.) (Rus)

[Intraspinal mediastinal tumor. Pott's disease] García-Cubillana JM, et al. **An Esp Pediatr** 1985 Nov 15; 23(6):449-52 (Spa)

RADIONUCLIDE IMAGING

False-normal bone imaging in spinal tuberculosis. Pui MH, et al. **Clin Nucl Med** 1986 Apr;11(4):245-8

SURGERY

Surgical treatment of dorsal and lumbar spinal tuberculosis. Chowdhary UM, et al. **J R Coll Surg Edinb** 1985 Dec; 30(6):386-90

[Modern aspects of surgical therapy of tuberculous spondylitis] Leibe H. **Z Erkr Atmungsorgane** 1985; 165(3):255-8 (Eng. Abstr.) (Ger)

[Radical surgical treatment of spondylitis with extrafocal fixation of the spine with the Bizov apparatus] Lavrov VN. **Ortop Travmatol Protez** 1986 Feb;(2):28-31 (Eng. Abstr.) (Rus)

[Method for transplanting vascularized periosteum in the surgical treatment of tuberculous spondylitis] Bellendir EN, et al. **Probl Tuberk** 1986;(1):46-50 (Eng. Abstr.) (Rus)

[Use of laser beams in the surgical treatment of osteoarticular tuberculosis] Suleimanov I, et al. **Probl Tuberk** 1985; (9):40-3 (Eng. Abstr.) (Rus)

[Personal experience in the surgical removal of tuberculous foci from the thoracic vertebrae] Maar D, et al. **Acta Chir Orthop Traumatol Cech** 1986 Jul;53(4):344-9 (Eng. Abstr.) (Slo)

THERAPY

Pott's paraplegia: an account of the treatment of 89 consecutive patients. Pattisson PR. **Paraplegia** 1986 Apr; 24(2):77-91

[The treatment of Pott's disease in children. Apropos of 100 cases] Harouchi A, et al. **Chir Pediatr** 1985;26(3):123-32 (Eng. Abstr.) (Fre)

TUBERCULOSIS, SPLENIC

DIAGNOSIS

[Rare abdominal manifestations of tuberculosis: isolated splenic tuberculosis and peritoneal tuberculosis] Asamer H, et al. **Schweiz Med Wochenschr** 1986 Mar 29; 116(13):400-3 (Eng. Abstr.) (Ger)

DRUG THERAPY

Tuberculous splenic abscess in a patient with acute myeloblastic leukemia. Chang MC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Oct;84(10):1173-9

TUBERCULOSIS, UROGENITAL

[A clinical observation on urogenital tuberculosis] Noguchi S, et al. **Hinyokika Kiyo** 1986 May;32(5):679-83 (Eng. Abstr.) (Jpn)

DIAGNOSIS

Adenosine deaminase in urine—a marker for urinary tract tuberculosis [letter] van Heerden IJ, et al. **S Afr Med J** 1986 Jul 19;70(2):121

[Bacteriological examination of the urine for detection of urogenital tuberculosis] Lamonova LG, et al. **Probl Tuberk** 1986;(3):13-5 (Eng. Abstr.) (Rus)

[Tuberculosis of the bladder] Nachankar RK. **Urol Nefrol (Mosk)** 1985 Sep-Oct;(5):16-8 (Eng. Abstr.) (Rus)

[Pelvic tuberculosis. A diagnosis almost by exclusion] Austin KL. **Rev Med Panama** 1986 Jan;11(1):14-20 (Eng. Abstr.) (Spa)

DRUG THERAPY

[Tuberculosis, does it always come out right?] Steenstra JT. **Ned Tijdschr Geneeskd** 1986 Jan 25;130(4):145-7 (Dut)

[Present status and chemotherapy of extrapulmonary tuberculosis in national sanatoria—urinary tuberculosis. Report of the B series of 26th Controlled Trials of Chemotherapy—Cooperative Study Unit of Chemotherapy of Tuberculosis of National Sanatoria in Japan (CSUCTNS)] Sasaki Y, et al. **Kekkaku** 1986 Jan;61(1):9-13 (Jpn)

OCCURRENCE

Extrapulmonary tuberculosis. Experience of a community hospital and review of the literature. Weir MR, et al. **Am J Med** 1985 Oct;79(4):467-78

PHYSIOPATHOLOGY

[Results of the functional study of the single kidney following repeated surgical interventions in urinary tract tuberculosis] Dovlatian AA. **Probl Tuberk** 1985;(8):40-6 (Eng. Abstr.) (Rus)

RADIOGRAPHY

[Genito-urinary tuberculosis. Radiographic aspects of the distal tract] Valentini AL, et al. **Minerva Urol Nefrol** 1985 Apr-Jun;37(2):149-51 (Eng. Abstr.) (Ita)

SURGERY

Tuberculous stricture of ureter. A new method of intubated ureterotomy. Osborn DE, et al. **Br J Urol** 1986 Feb; 58(1):103-4

[Current status and conservative and operative therapy of urogenital tuberculosis] Zwergel T, et al. **Z Urol Nephrol** 1985 Oct;78(10):529-37 (Eng. Abstr.) (Ger)

[Effectiveness of the surgical treatment of patients with tuberculosis of the kidneys and urinary tract] Abdumuminov AA, et al. **Probl Tuberk** 1986;(5):52-5 (Eng. Abstr.) (Rus)

[Use of peridural anesthesia in tuberculosis surgery] Rumiantsev VB, et al. **Probl Tuberk** 1985;(5):46-52 (Eng. Abstr.) (Rus)

[Repeat operations in tuberculosis and post-tuberculosis stenosis of the urinary tract] Dovlatian AA. **Urol Nefrol (Mosk)** 1986 Mar-Apr;(2):23-8 (Eng. Abstr.) (Rus)

[Autotransplantation of the kidney in tuberculosis] Shapkin AG, et al. **Vestn Khir** 1985 Nov;135(11):94-7 (Eng. Abstr.) (Rus)

THERAPY

Primary genitourinary tuberculosis: rapid progression and tissue destruction during treatment. Psihramis KE, et al. **J Urol** 1986 May;135(5):1033-6

[Use of a self-contained stent in the treatment of patients with cavernous renal tuberculosis with ureteral lesion] Mochalova TP, et al. **Probl Tuberk** 1986;(6):43-6 (Eng. Abstr.) (Rus)

TUBERCULOSIS VACCINES see **BCG VACCINE**

TUBERCULOSTATIC AGENTS see **ANTITUBERCULAR AGENTS**

TUBEROUS SCLEROSIS

Tuberous sclerosis. Tutakne MA, et al. **Indian J Dermatol** 1984 Apr;29(2):25-9

COMPLICATIONS

Carbon dioxide laserbrasion for treatment of adenoma sebaceum in tuberous sclerosis. Weston J, et al. **Ann Plast Surg** 1985 Aug;15(2):132-7

Shave excision and dermabrasion of midline angiofibroma in tuberous sclerosis. Kavanagh KT, et al. **Arch Otolaryngol Head Neck Surg** 1986 Aug;112(8):886-8

The heart and tuberous sclerosis. An echocardiographic and electrocardiographic study. Gibbs JL. **Br Heart J** 1985 Dec;54(6):596-9

The prevalence of café-au-lait patches in tuberous sclerosis. Bell SD, et al. **Clin Exp Dermatol** 1985 Nov;10(6):562-5

Tuberous sclerosis and Wolff-Parkinson-White syndrome [letter] Casta A. **J Pediatr** 1986 Aug;109(2):399-400

Tuberous sclerosis and Wolff-Parkinson-White syndrome. Jayakar PB, et al. **J Pediatr** 1986 Feb;108(2):259-60

An unusual cause of joint erosions: tuberous sclerosis [letter] Strongwater SL, et al. **J Rheumatol** 1986 Apr;13(2):466-8

Renal cell carcinoma and angiomyolipoma in tuberous sclerosis: case report. Graves N, et al. **J Urol** 1986 Jan; 135(1):122-3

Spontaneous intraperitoneal rupture of a kidney in a patient with tuberous sclerosis. Mandia SE, et al. **J Urol** 1986 Jul; 136(1):83-4

Is tuberous sclerosis a cause of autism? [letter] Greenstein MA, et al. **N Engl J Med** 1986 Feb 13;314(7):449

Management of facial angiofibromas in tuberous sclerosis: use of the carbon dioxide laser. Bellack GS, et al. **Otolaryngol Head Neck Surg** 1986 Jan;94(1):37-40

Atypical retinitis proliferans, retinal telangiectasis, and vitreous hemorrhage in a patient with tuberous sclerosis. Jost BF, et al. **Retina** 1986 Winter-Spring;6(1):53-6

[The kidney failure of Bourneville's tuberous sclerosis: a new form of glomerular damage as a result of hyperfiltration?] Schillinger F, et al. **Nephrologie** 1985;6(5):219-23 (Eng. Abstr.) (Fre)

[Chronic renal insufficiency associated with tuberous sclerosis] Acquarone N, et al. **Minerva Med** 1986 May 19; 77(21):965-7 (Eng. Abstr.) (Ita)

[A case of Bourneville's tuberous sclerosis with elephantiasis (caused by lymphedema) of the left leg] Cottafava F, et al. **Minerva Pediatr** 1986 Jan 31;38(1-2):49-52 (Eng. Abstr.) (Ita)

[Immunohistochemical study of subependymal giant cell tumor associated with tuberous sclerosis] Takayasu M, et al. **No Shinkei Geka** 1986 Jul;14(8):975-9 (Eng. Abstr.) (Jpn)

CONGENITAL

Tuberous sclerosis: report of two cases studied by computer-assisted cranial tomography within one week after birth. Sugita K, et al. **Brain Dev** 1985;7(4):438-43

DIAGNOSIS

Tuberous sclerosis: long-term follow-up and longitudinal electroencephalographic study. Ganji S, et al. **Clin Electroencephalogr** 1985 Oct;16(4):219-24

Tuberous sclerosis. Sinha KK, et al. **Indian Pediatr** 1985 Jun; 22(6):467-8

Bilateral abdominal masses in an asymptomatic infant [clinical conference] Andriole J, et al. **Invest Radiol** 1986 Apr; 21(4):355-9

Tuberous sclerosis: a clinicoradiological evaluation of 110 cases with particular reference to atypical presentation. Kingsley DP, et al. **Neuroradiology** 1986;28(1):38-46

Tuberous sclerosis and multiple intracranial aneurysms: case report. Blumenkopf B, et al. **Neurosurgery** 1985 Nov; 17(5):797-800

Tuberous sclerosis: diagnostic and prognostic problems [letter] Curatolo P, et al. **Pediatr Neurosci** 1985-86; 12(2):123-4

Prenatal diagnosis of familial tuberous sclerosis following detection of cardiac rhabdomyoma by ultrasound. Journel H, et al. **Prenat Diagn** 1986 Jul-Aug;6(4):283-9

Antenatal ultrasonographic findings in tuberous sclerosis. Report of 2 cases. Muller L, et al. **S Afr Med J** 1986 May 10;69(10):633-8

Tuberous sclerosis. Williams R, et al. **Surv Ophthalmol** 1985 Nov-Dec;30(3):143-54

[Clinical problems in tuberous sclerosis] Keränen ML, et al. **Duodecim** 1986;102(6):348-55 (Fin)

[Prenatal diagnosis of a cardiac tumor resembling Bourneville's tuberous sclerosis] Plais MH, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1985;14(6):759-62 (Eng. Abstr.) (Fre)

[Bourneville's tuberous sclerosis of neonatal disclosure. Apropos of 2 cases] Guyot A, et al. **Pediatrie** 1985 Dec; 40(8):633-8 (Eng. Abstr.) (Fre)

[Comparative imaging of tuberous sclerosis of the brain in the computed tomogram and the nuclear magnetic resonance tomogram] Dörnemann H, et al. **ROFO** 1986 May;144(5):614-6 (Ger)

[Birt-Hogg-Dubé syndrome as an expression of tuberous sclerosis. Apropos of 2 personal cases in 2 sisters] Iranzo P, et al. **Med Cutan Ibero Lat Am** 1985;13(2):145-9 (Eng. Abstr.) (Spa)

DRUG THERAPY

Prolonged use of nitrazepam for epilepsy in children with tuberous sclerosis. Dennis J, et al. **Br Med J [Clin Res]** 1985 Sep 14;291(6497):692-3

FAMILIAL & GENETIC

[Cardiac rhabdomyoma in familial tuberous sclerosis] Schneider A, et al. **Helv Paediatr Acta** 1986 May; 41(1-2):77-85 (Eng. Abstr.) (Ger)

OCCURRENCE

Non-familial tuberous sclerosis [letter] Raychaudhuri B, et al. **J Assoc Physicians India** 1985 Jun;33(6):440

PATHOLOGY

Cytoskeletal F-actin patterns in skin fibroblasts from normal subjects and patients with tuberous sclerosis and von Recklinghausen's neurofibromatosis. Ohno K, et al. **Jinrui Idengaku Zasshi** 1985 Dec;30(4):279-86

Vascular dysplasia in a child with tuberous sclerosis. Rolfes DB, et al. **Pediatr Pathol** 1985;3(2-4):359-73

RADIOGRAPHY

Solitary renal hamartoma not associated with tuberous sclerosis: roles of CT and angiography. Yashiro N, et al.

Br J Radiol 1985 Jun;58(690):503-9
Tuberous sclerosis: diagnostic and surgical considerations. McLaurin RL, et al. Pediatr Neurosci 1985-86;12(1):43-8
[Atypical radiologic picture in a case of tuberous sclerosis] Palmieri A, et al. Radiol Med (Torino) 1985 Dec; 71(12):876-8 (Ita)
[Usefulness of cerebral computed axial tomography in the early diagnosis of tuberous sclerosis] Jordán J, et al. An Esp Pediatr 1986 Mar;24(3):165-70 (Eng. Abstr.) (Spa)

TUBOCURARINE

ADMINISTRATION & DOSAGE

Using a priming dose of relaxant is not new [letter] Dundee JW. Anesthesiology 1985 Nov;63(5):569-70

ANALOGS & DERIVATIVES

Hemodynamic effects of metocurine during isoflurane anesthesia. Fyman PN, et al. Acta Anaesthesiol Scand 1986 Jan;30(1):70-1
Hemodynamic effects of sufentanil/metocurine versus sufentanil/pancuronium in patients undergoing coronary artery surgery. Estafanous FG, et al. Cleve Clin Q 1985 Fall;52(3):391-7
Acetylcholine receptor activation by a site-selective ligand: nature of brief open and closed states in BC3H-1 cells. Sine SM, et al. J Physiol (Lond) 1986 Jan;370:357-79

ANTAGONISTS & INHIBITORS

Histamine H1 antagonist alone attenuates d-tubocurarine-induced hypotension [letter] Hatano Y, et al. Anesthesiology 1985 Dec;63(6):730-1
Antagonism of neuromuscular blockade [letter] Millar SW, et al. Br J Anaesth 1985 Oct;57(10):1043-4
Equipotency of anti-curare activity of 4-aminopyridine and 3,4-diaminopyridine in anesthetized rats. Uchiyama T, et al. Jpn J Pharmacol 1985 Jul;38(3):329-33
[Antagonistic effect of dibutyryl cyclic AMP on the action of d-tubocurarine] Hashimoto Y, et al. Masui 1985 Oct; 34(10):1316-20 (Eng. Abstr.) (Jpn)

METABOLISM

Multiple binding of D-tubocurarine to acetylcholinesterase. Zorko M, et al. Biochem Pharmacol 1986 Jul 15; 35(14):2287-96

PHARMACODYNAMICS

Some studies on the release of histamine from mast cells treated with d-tubocurarine. Ali H, et al. Agents Actions 1986 Apr;18(1-2):71-3
The development of the trigeminal (V) motor nucleus in normal and tubocurare treated chick embryos. Arens M, et al. Anat Embryol (Berl) 1986;174(1):67-72
Tubocurarine sensitivity of the diaphragm after limb immobilization. Waud BE, et al. Anesth Analg 1986 May; 65(5):493-5
Disuse and d-tubocurarine sensitivity in isolated muscles. Waud BE, et al. Anesth Analg 1985 Dec;64(12):1178-82
Acetylcholine receptor inhibition by d-tubocurarine involves both a competitive and a noncompetitive binding site as determined by stopped-flow measurements of receptor-controlled ion flux in membrane vesicles. Karpen JW, et al. Biochemistry 1986 Apr 8;25(7):1786-92
Comparison of the effects of pancuronium and tubocurarine on different muscles of young and old mice. Kelly SS, et al. Br J Anaesth 1986 Aug;58(8):909-14
Curare can reverse the failure in muscle contraction caused by an AChE inhibitor. Bradley RJ, et al. Brain Res 1986 Jul 2;377(1):194-8
Lack of effects of d-tubocurarine and pancuronium on the slow action potential of the guinea pig papillary muscle. Arimura H, et al. Can Anaesth Soc J 1985 Sep;32(5):484-90
Effect of sodium nitroprusside on the biophase concentration of D-tubocurarine at the neuromuscular junction. Chang P, et al. Clin Exp Pharmacol Physiol 1986 May;13(5):433-6
Pharmacodynamics of vecuronium, atracurium, tubocurarine and their combinations in the rat in vivo. Booij LH, et al. Eur J Anaesthesiol 1985 Sep;2(3):279-84
Frequency-dependence of neuromuscular blockade in the presence of d-tubocurarine. Storella RJ Jr, et al. Eur J Pharmacol 1986 May 13;124(1-2):143-8
d-Tubocurarine sensitivities of a fast and a slow neuromuscular system of the rat. Storella RJ Jr, et al. Eur J Pharmacol 1985 Nov 26;118(1-2):181-4
The mechanism of tubocurarine action on mechanoreceptor channels in the protozoan Stentor coeruleus. Wood DC. J Exp Biol 1985 Jul;117:215-35
Online parameter estimation and control of d-tubocurarine-induced muscle relaxation. Rametti LB, et al. Med Biol Eng Comput 1985 Nov;23(6):556-64
Cardiovascular effects of d-tubocurarine and pancuronium in newborn lambs during normoxia and hypoxia. Cameron CB, et al. Pediatr Res 1986 Mar;20(3):246-52
[Inhibition of histamine liberation with atropine sulfate following administration of d-tubocurarine] Kubo K. Anaesthesist 1985 Oct;34(10):502-7 (Eng. Abstr.) (Ger)
[Effect of d-tubocurarine on the lower esophageal sphincter. Intraoperative electromanometric study] Di Martino N, et al. Minerva Chir 1986 Jan 31;41(1-2):1-7 (Eng. Abstr.) (Ita)
[A study in interaction of d-tubocurarine and succinylcholine using evoked electromyography in man] Ninomiya K. Masui 1986 Jan;35(1):114-24 (Eng. Abstr.) (Jpn)
[Effect of d-tubocurarine on evoked action potentials from a single muscle fiber in cats] Tai K, et al. Masui 1985 Aug; 34(8):1095-104 (Eng. Abstr.) (Jpn)
[The effect of succinylcholine and d-tubocurarine on the denervated muscle in the rat] Takahashi S, et al. Masui 1985 Aug;34(8):1121-6 (Eng. Abstr.) (Jpn)

POISONING

The medical and scientific evidence in alleged tubocurarine poisonings. A review of the so-called Dr. X case. Siegel H, et al. Forensic Sci Int 1985 Sep-Oct;29(1-2):29-76

TUBULIN

An analysis of tubulin molecular weight by equilibrium chromatography: further evidence for tubulin oligomers. Kravit NG, et al. Ann NY Acad Sci 1986;466:631-4
The interaction between subunits in the tubulin dimer. Serrano L, et al. Biochem J 1985 Sep 1;230(2):551-6
B-ring of colchicine and its role in taxol-induced tubulin polymerization. Ghosh Choudhury G, et al. FEBS Lett 1986 Mar 3;197(1-2):31-4
Tubulin domains probed by limited proteolysis and subunit-specific antibodies. Mandelkow EM, et al. J Mol Biol 1985 Sep 20;185(2):311-27
Microtubules and macrotubules in fish meiosis. Mattei X, et al. J Ultrastruct Res 1985 May;91(2):83-91

ANALYSIS

Homogeneity of lung tubulin isoforms during lung maturation. Déiz JC, et al. Biochimie 1985 Sep; 67(9):1059-62
A monoclonal antibody to beta-tubulin distinguishes a subset of neurons and axons in the chick ciliary ganglion. Tremblay JP, et al. Can J Biochem Cell Biol 1985 Jun; 63(6):458-69
Presence of a tubulin pool in the resting cyst of the hypotrich ciliate, Histriculus muscorum. Nakamura T, et al. Cell Biol Int Rep 1985 Oct;9(10):965-9
Rearrangement of tubulin, actin, and myosin in cultured ventricular cardiomyocytes of the adult rat. Guo JX, et al. Cell Motil Cytoskeleton 1986;6(3):291-304
Anti-tubulin immunofluorescence studies of recovery from vinblastine cytotoxicity in Chinese hamster cells. Cherry LM, et al. Cytobios 1986;45(180):45-53
Occurrence of two beta-tubulin isoforms with different polymerizing abilities in L5178Y cells. Harada F, et al. Exp Cell Res 1986 Oct;166(2):265-78
Tubulin composition and microtubule nucleation of a griseofulvin-resistant Chinese hamster ovary cell mutant with abnormal spindles. Kuriyama R, et al. Exp Cell Res 1985 Oct;160(2):527-39
Immunofluorescence demonstration of tubulin and actin in estrogen-induced rat prolactinoma cells in vitro. Alteration of their distribution after bromocriptine, colchicine and cytochalasin B treatments. Niwa J, et al. Exp Cell Res 1985 Dec;161(2):517-24
An estimation of the soluble tubulin content in Tetrahymena cells of normal and of size-altered phenotype. Seyfert HM, et al. Exp Cell Res 1986 Jan;162(1):86-96
Electron-microscopic demonstration of alpha-tubulin immunoreactivity in astroglia. Hajós F, et al. Histochemistry 1986;84(3):275-8
A radiolabeled monoclonal antibody binding assay for cytoskeletal tubulin in cultured cells. Ball RL, et al. J Cell Biol 1986 Sep;103(3):1033-41
Distribution of tyrosinated and nontyrosinated alpha-tubulin during mitosis. Gundersen GG, et al. J Cell Biol 1986 Mar; 102(3):1118-26
Organization of the cytoskeleton in early Drosophila embryos. Karr TL, et al. J Cell Biol 1986 Apr; 102(4):1494-509
On the surface lattice of microtubules: helix starts, protofilament number, seam, and handedness. Mandelkow EM, et al. J Cell Biol 1986 Mar;102(3):1067-73
Immunocytochemical differentiation of microtubules in the cytoskeleton of Giardia lamblia using monoclonal antibodies to alpha-tubulin and polyclonal antibodies to associated low molecular weight proteins. Crossley R, et al. J Cell Sci 1986 Feb;80:233-52
Immunohistochemical demonstration of tubulin and actin in rat hepatocytes in situ using a perfusion extraction-fixation procedure. Oyamada M, et al. J Histochem Cytochem 1985 Dec;33(12):1197-204
Immunocytochemical localization of tubulin and microtubule-associated protein 2 during the development of hippocampal neurons in culture. Cáceres A, et al. J Neurosci 1986 Mar;6(3):714-22
An immunofluorescent study of the microtubule organization in Trichomonas vaginalis using antitubulin antibodies. Juliano C, et al. J Protozool 1986 Feb;33(1):56-9
Contractile proteins (actin, myosin) and tubulin are revealed within DNA-containing nucleocytoplasm in mature spermatozoa of Libinia emarginata L. Perez RA, et al. J Submicrosc Cytol 1986 Jul;18(3):471-80
Altered tubulin distribution in the hypothalamus of aging female C57BL/6J mice. May PC, et al. Neurobiol Aging 1985 Winter;6(4):305-8
Immunocytochemical localization of tubulin and the high molecular weight microtubule-associated protein 2 in Purkinje cell dendrites deprived of climbing fibers. Caceres A, et al. Neuroscience 1985 Sep;16(1):133-50
Multiple forms of tubulin in the cilia and cytoplasm of Tetrahymena thermophila. Suprenant KA, et al. Proc Natl Acad Sci USA 1985 Oct;82(20):6908-12
Tubulin and associated proteins from developing brine shrimp, (Artemia). Rafiee P, et al. Prog Clin Biol Res 1986; 217A:419-22

ANTAGONISTS & INHIBITORS

New antineoplastic agents with antitubulin activity. Batra JK, et al. Ann NY Acad Sci 1986;466:785-7
Activity of benzimidazole carbamates against L1210 mouse leukaemia cells: correlation with in vitro tubulin polymerization assay. Lacey E, et al. Biochem Pharmacol 1985 Oct 1;34(19):3603-5
Inhibition of microtubule formation by uremic toxins: action mechanism and hypothesis about the active component. Braguer D, et al. Clin Nephrol 1986 Apr;25(4):212-8

BIOSYNTHESIS

In vitro studies of the biosynthesis of brain tubulin on membranes. Gilbert JM, et al. Ann NY Acad Sci 1986; 466:89-102
A simple method for the identification of compounds which inhibit tubulin polymerization in filarial worms. Howells RE, et al. Ann Trop Med Parasitol 1985 Oct;79(5):507-12
Role of the dianionic form of the GTP gamma-phosphate in the polymerization process of tubulin. Monasterio O, et al. Arch Biol Med Exp (Santiago) 1985 Dec;18(3-4):325-9
Expression of a new beta tubulin subunit is induced by 20-hydroxyecdysone in Drosophila cultured cells. Sobrier ML, et al. Biochem Biophys Res Commun 1986 Jan 14; 134(1):191-200
Tubulin polymerization with ATP is mediated through the exchangeable GTP site. Duanmu C, et al. Biochim Biophys Acta 1986 Mar 19;881(1):113-23
Regulation of tubulin by triiodothyronine in hypothyroid rat brain. Mazumder A, et al. Biosci Rep 1985 Aug;5(8):643-8
The effect of ACTH4-10 on protein synthesis, actin and tubulin during regeneration. Edwards PM, et al. Brain Res Bull 1985 Sep;15(3):267-72
Autoregulation of tubulin synthesis in hepatocytes and fibroblasts. Caron JM, et al. J Cell Biol 1985 Nov;101(5 Pt 1):1763-72
Retention of autoregulatory control of tubulin synthesis in cytoplasts: demonstration of a cytoplasmic mechanism that regulates the level of tubulin expression. Pittenger MF, et al. J Cell Biol 1985 Nov;101(5 Pt 1):1941-52
Taxol-dependent mutants of Chinese hamster ovary cells with alterations in alpha- and beta-tubulin. Schibler MJ, et al. J Cell Biol 1986 Apr;102(4):1522-31
Tubulin synthesis in the regenerating rat superior cervical ganglion: a biphasic response. Quesada MH, et al. J Neurobiol 1986 Mar;17(2):77-82
Autoregulation of tubulin synthesis in enucleated cells. Caron JM, et al. Nature 1985 Oct 17-23;317(6038):648-51
Effects of cortisol treatment on protein synthesis in septum and hippocampus of rat brain. Mileusnić R, et al. Neuroendocrinology 1986;42(4):306-10
Astrocytic cerebellar cell clones synthesize the beta 1 isoforms of the beta-tubulin protein family. Moura Neto V, et al. Neuroscience 1985 Oct;16(2):333-41

BLOOD

Erythrocyte microtubule assembly in vitro. Determination of the effects of erythrocyte tau, tubulin isoforms, and tubulin oligomers on erythrocyte tubulin assembly, and comparison with brain microtubule assembly. Murphy DB, et al. J Biol Chem 1985 Oct 5;260(22):12293-301

GENETICS

A mechanism of cellular resistance to drugs that interfere with microtubule assembly. Cabral FR, et al. Ann NY Acad Sci 1986;466:745-56
Differential expression of the beta-tubulin multigene family during rat brain development. Farmer SR, et al. Ann NY Acad Sci 1986;466:41-50
Changes in tubulin mRNAs during differentiation of a parasitic protozoan Leishmania mexicana. Fong D, et al. Ann NY Acad Sci 1986;466:129-31
Isolation and characterization of two rat alpha-tubulin isotypes. Ginzburg I, et al. Ann NY Acad Sci 1986; 466:31-40
Reconstruction of tubulin gene regulation in cultured mammalian cells. Lau JT, et al. Ann NY Acad Sci 1986; 466:75-88
Biochemical and chemical properties of tubulin subspecies. Lee JC, et al. Ann NY Acad Sci 1986;466:111-28
Evolutionary aspects of tubulin structure. Little M, et al. Ann NY Acad Sci 1986;466:8-12
Genetic and functional analysis of beta tubulin in Aspergillus nidulans. Morris NR, et al. Ann NY Acad Sci 1986;466:13-7
Quantitation and in situ localization of tubulin mRNA in the mammalian nervous system. Morrison MR, et al. Ann NY Acad Sci 1986;466:51-74
Tubulin variants exhibit different assembly properties. Rothwell SW, et al. Ann NY Acad Sci 1986;466:103-10

Construction of a genomic library from germinating seedlings of mung bean (Vigna radiata). Evidence for the presence of a class of repetitive sequences and selection of beta-tubulin specific recombinant phage. Sen S, et al. **Biochem Biophys Res Commun** 1986 Jun 13;137(2):788–94

An evaluation of tubulin as a molecular clock. Little M. **Biosystems** 1985;18(3–4):241–7

Cloning of 11 alpha-tubulin gene sequences from the genome of Chinese hamster ovary cells. Elliott EM, et al. **Can J Biochem Cell Biol** 1985 Jun;63(6):511–8

Maytansine-resistant mutants of Chinese hamster ovary cells with an alteration in alpha-tubulin. Schibler MJ, et al. **Can J Biochem Cell Biol** 1985 Jun;63(6):503–10

Localization of mRNAs in mouse testes by in situ hybridization: distribution of alpha-tubulin and developmental stage specificity of pro-opiomelanocortin transcripts. Gizang-Ginsberg E, et al. **Dev Biol** 1985 Oct; 111(2):293–305

Regulation of three beta-tubulin mRNAs during rat brain development. Ginzburg I, et al. **EMBO J** 1985 Dec 30; 4(13B):3667–73

Modulation of the level of expression of cellular genes in adenovirus 12-infected and transformed human cells. Grand RJ, et al. **EMBO J** 1986 Jun;5(6):1253–60

An expressed beta-tubulin gene, TUBB, is located on the short arm of human chromosome 6 and two related sequences are dispersed on chromosomes 8 and 13. Floyd-Smith G, et al. **Exp Cell Res** 1986 Apr;163(2):539–48

Differential expression of alpha-tubulin mRNA in rat cerebellum as revealed by in situ hybridization. Ginzburg I, et al. **FEBS Lett** 1986 Jan 1;194(1):161–4

Tubulin genes of the African trypanosome Trypanosoma brucei rhodesiense:nucleotide sequence of a 3.7-kb fragment containing genes for alpha and beta tubulins. Kimmel BE, et al. **Gene** 1985;35(3):237–48

Isolation and characterization of mutations in the beta-tubulin gene of Saccharomyces cerevisiae. Thomas JH, et al. **Genetics** 1985 Dec;111(4):715–34

Transcription of alpha-tubulin and histone H4 genes begins at the same point in the Physarum cell cycle. Carrino JJ, et al. **J Cell Biol** 1986 May;102(5):1666–70

Tubulin mRNAs of Trypanosoma brucei. Imboden M, et al. **J Mol Biol** 1986 Apr 5;188(3):393–402

Tubulin pseudogenes as markers for hominoid divergence. Lewis SA, et al. **J Mol Biol** 1986 Feb 20;187(4):623–6

Tubulin evolution: ciliate-specific epitopes are conserved in the ciliary tubulin of Metazoa. Adoutte A, et al. **J Mol Evol** 1985;22(3):220–9

Isolation and characterization of cold-sensitive mutations at the benA, beta-tubulin, locus of Aspergillus nidulans. Oakley BR, et al. **MGG** 1985;201(1):56–64

The two alpha-tubulin genes of Chlamydomonas reinhardi code for slightly different proteins. Silflow CD, et al. **Mol Cell Biol** 1985 Sep;5(9):2389–98

Apparent gene conversion between beta-tubulin genes yields multiple regulatory pathways for a single beta-tubulin polypeptide isotype. Sullivan KF, et al. **Mol Cell Biol** 1985 Sep;5(9):2454–65

Insulin, insulin-like growth factor II, and nerve growth factor effects on tubulin mRNA levels and neurite formation. Mill JF, et al. **Proc Natl Acad Sci USA** 1985 Oct;82(20):7126–30

Identification of conserved isotype-defining variable region sequences for four vertebrate beta tubulin polypeptide classes. Sullivan KF, et al. **Proc Natl Acad Sci USA** 1986 Jun;83(12):4327–31

IMMUNOLOGY

Differential distribution of tubulin epitopes in human spermatozoa. Gallo JM, et al. **Eur J Cell Biol** 1986 Mar; 40(1):111–6

Monoclonal antibodies specific for an acetylated form of alpha-tubulin recognize the antigen in cilia and flagella from a variety of organisms. Piperno G, et al. **J Cell Biol** 1985 Dec;101(6):2085–94

Carboxy-terminal regions on the surface of tubulin and microtubules. Epitope locations of YOL1/34, DM1A and DM1B. Breitling F, et al. **J Mol Biol** 1986 May 20; 189(2):367–70

Detection of the microtubule cytoskeleton of the coccidian Toxoplasma gondii and the hemoflagellate Leishmania donovani by monoclonal antibodies specific for beta-tubulin. Schwartzman JD, et al. **J Protozool** 1985 Nov;32(4):747–9

Effects of some drugs upon cytoskeletal microtubules as revealed by immunofluorescence technique with monoclonal antitubulin antibodies. Mráz P. **Z Mikrosk Anat Forsch** 1985;99(6):911–9

[Heterogeneity of tubulins of parasitic protozoa] Cappuccinelli P, et al. **Ann Ist Super Sanita** 1986; 22(1):163–8 (Eng. Abstr.) **(Ita)**

[Effect of immunization with neurospecific proteins and tubulin on learning in the rat] Burbaeva GSh, et al. **Zh Vyssh Nerv Deiat** 1985 Jul–Aug;35(4):747–52 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Purification of tubulin by fast-performance liquid chromatography. Gaskin F, et al. **Ann NY Acad Sci** 1986; 466:622–5

Membrane tubulin. Regula CS, et al. **Ann NY Acad Sci** 1986; 466:832–42

Actin and tubulin in Tetrahymena. Mitchell EJ, et al. **Can J Biochem Cell Biol** 1985 Jun;63(6):389–96 (70 ref.)

Heterogeneity and structure of brain tubulins from cold-adapted Antarctic fishes. Comparison to brain tubulins from a temperate fish and a mammal. Detrich HW 3d, et al. **J Biol Chem** 1986 Aug 15;261(23):10922–30

Separation of assembly-competent tubulin from brain microtubule protein preparations using a fast-performance liquid chromatography procedure. Roychowdhury S, et al. **J Neurochem** 1986 May;46(5):1399–405

Tubulin-containing structures. Suprenant KA. **Methods Cell Biol** 1986;27:189–215

METABOLISM

Blockade of colchicine-induced inhibition of vasopressin-stimulated osmotic water flow: failure to influence microtubule formation. Baron DA, et al. **Am J Physiol** 1985 Oct;249(4 Pt 2):F464–9

Hydrophobic interactions of tubulin. Andreu JM. **Ann NY Acad Sci** 1986;466:626–30

Tubulin-colchicine interactions and polymerization of the complex. Andreu JM, et al. **Ann NY Acad Sci** 1986; 466:676–89

The role of the B-ring of colchicine on taxol-induced tubulin polymerization. Bhattacharyya B, et al. **Ann NY Acad Sci** 1986;466:791–3

Axonal transport of microtubule proteins: cytotypic variation of tubulin and MAPs in neurons. Brady ST, et al. **Ann NY Acad Sci** 1986;466:199–217

Modulation of the kinetic parameters of microtubule assembly by MAP-2 phosphorylation, the GTP/GDP occupancy of oligomers, and the tubulin tyrosylation status. Burns RG, et al. **Ann NY Acad Sci** 1986;466:340–56

ATP-dependent gelation contraction of microtubules in vitro. Cianci C, et al. **Ann NY Acad Sci** 1986;466:656–9

Control of microtubule assembly–disassembly in lysed-cell models. Deery WJ. **Ann NY Acad Sci** 1986;466:593–608

Mechanism of assembly of sea urchin egg tubulin. Detrich HW 3d, et al. **Ann NY Acad Sci** 1986;466:529–42

Kinetic and thermodynamic aspects of tubulin-ligand interactions: binding of the colchicine analog 2-methoxy-5-(2';3';4'-trimethoxyphenyl) tropone. Engelborghs Y, et al. **Ann NY Acad Sci** 1986;466:709–17

Nucleation of microtubule assembly. Experimental kinetics, computer fitting of models, and observations on tubulin rings. Erickson HP, et al. **Ann NY Acad Sci** 1986; 466:552–65

Dideoxyguanosine nucleotides and microtubule assembly. Hamel E, et al. **Ann NY Acad Sci** 1986;466:635–8

Taxol: mechanisms of action and resistance. Horwitz SB, et al. **Ann NY Acad Sci** 1986;466:733–44

The GTP concentration modulates the association rate constant for microtubule assembly. Islam K, et al. **Ann NY Acad Sci** 1986;466:639–41

Molecular modeling of microtubule inhibitors and the colchicine binding site on tubulin. Liebman MN. **Ann NY Acad Sci** 1986;466:788–90

Interactions of vinblastine and maytansine with tubulin. Luduena RF, et al. **Ann NY Acad Sci** 1986;466:718–32

Dynamics of tubulin and calmodulin in the mammalian mitotic spindle. McIntosh JR, et al. **Ann NY Acad Sci** 1986; 466:566–79

Microtubule assembly and disassembly studied by synchrotron X-ray scattering and cryoelectron microscopy. Mandelkow E, et al. **Ann NY Acad Sci** 1986; 466:650–5

Tubulin domain structure studied by limited proteolysis and antibody labeling. Mandelkow EM, et al. **Ann NY Acad Sci** 1986;466:645–9

Studies on the exchangeable nucleotide binding site of tubulin. Nath JP, et al. **Ann NY Acad Sci** 1986;466:482–95

Involvement of guanosine triphosphate (GTP) hydrolysis in the mechanism of tubulin polymerization: regulation of microtubule dynamics at steady state by a GTP cap. Pantaloni D, et al. **Ann NY Acad Sci** 1986;466:496–509

Promotion of tubulin assembly by carboxyterminal charge reduction. Sackett DL, et al. **Ann NY Acad Sci** 1986; 466:460–6

Segregation of an antigenically unique subset of alpha-tubulin subunits into cold-stable microtubules during in vitro microtubule assembly. Thompson WC. **Ann NY Acad Sci** 1986;466:660–3

Association of calcium/calmodulin-dependent kinase with cytoskeletal preparations: phosphorylation of tubulin, neurofilament, and microtubule-associated proteins. Vallano ML, et al. **Ann NY Acad Sci** 1986;466:357–74

Microtubule dynamics in mitotic spindles of living cells. Wadsworth P, et al. **Ann NY Acad Sci** 1986;466:580–92

Kinetics and steady state dynamics of tubulin addition and loss at opposite microtubule ends: the mechanism of action of colchicine. Wilson L, et al. **Ann NY Acad Sci** 1986; 466:690–708

The effects of elevated pH and high salt concentrations on tubulin. Croom HB, et al. **Arch Biochem Biophys** 1986 Sep; 249(2):397–406

Effects of pH on tubulin–nucleotide interactions. Hamel E, et al. **Arch Biochem Biophys** 1986 Mar;245(2):316–30

The removal of the carboxy-terminal region of tubulin favors its vinblastine-induced aggregation into spiral-like structures. Serrano L, et al. **Arch Biochem Biophys** 1986 Sep;249(2):611–5

The effect of polyamines on tubulin assembly. Anderson PJ, et al. **Biochem Biophys Res Commun** 1985 Oct 15; 132(1):147–54

Inhibition of microtubule elongation by GDP. Bayley PM, et al. **Biochem Biophys Res Commun** 1986 May 29; 137(1):351–8

GTP influences the binding of vincristine in human tumor cytosols. Bowman LC, et al. **Biochem Biophys Res Commun** 1986 Mar 28;135(3):695–700

Specific binding of tubulin to a guanine nucleotide-binding inhibitory regulatory protein in adenylate cyclase system. Ni. Higashi K, et al. **Biochem Biophys Res Commun** 1985 Oct 15;132(1):193–7

The interaction of myelin basic protein with tubulin and the inhibition of tubulin carboxypeptidase activity. Modesti NM, et al. **Biochem Biophys Res Commun** 1986 Apr 29; 136(2):482–9

Localization of the exchangeable nucleotide binding domain in beta-tubulin. Nath JP, et al. **Biochem Biophys Res Commun** 1986 Mar 28;135(3):1135–43

Effect of 6-hydroxydopamine on polymerization of tubulin. Protection by superoxide dismutase, catalase, or anaerobic conditions. Davison AJ, et al. **Biochem Pharmacol** 1986 May 1;35(9):1411–7

Effect of rifampicin on the biological activity of tubulin. Rajagopalan R, et al. **Biochem Pharmacol** 1985 Oct 1; 34(19):3415–9

Vincristine-induced self-association of calf brain tubulin. Prakash V, et al. **Biochemistry** 1985 Sep 10;24(19):5004–10

Bis(8-anilinonaphthalene-1-sulfonate) as a probe for tubulin decay. Prasad AR, et al. **Biochemistry** 1986 Feb 11; 25(3):739–42

Detection of energy transfer between tryptophan residues in the tubulin molecule and bound bis(8-anilinonaphthalene-1-sulfonate), an inhibitor of microtubule assembly, that binds to a flexible region on tubulin. Prasad AR, et al. **Biochemistry** 1986 Jun 17; 25(12):3536–40

Taxol stabilization of microtubules in vitro: dynamics of tubulin addition and loss at opposite microtubule ends. Wilson L, et al. **Biochemistry** 1985 Sep 10;24(19):5254–62

Binding to tubulin of an allocolchicine spin probe: interaction with the essential SH groups and other active sites. Deinum J, et al. **Biochim Biophys Acta** 1986 Mar 28;870(2):226–33

Differential effects of magnesium on tubulin–nucleotide interactions. Huang AB, et al. **Biochim Biophys Acta** 1985 Nov 8;832(1):22–32

The effects of the anilinonaphthalenesulfonates on the alkylation of tubulin: correlation between the appearance of sulfhydryl groups and apolar binding sites. Luduena RF, et al. **Biochim Biophys Acta** 1986 Sep 5;873(1):143–6

Vinblastine-induced aggregation of brine shrimp (Artemia) tubulin. Mackinlay SA, et al. **Biochim Biophys Acta** 1986 Jul 16;882(3):419–26

Tubulin–chromatin interactions: evidence for tubulin–binding sites on chromatin and isolated oligonucleosomes. Mithieux G, et al. **Biochim Biophys Acta** 1986 Aug 29;888(1):49–61

Ciliary membrane tubulin and associated proteins: a complex stable to Triton X-114 dissociation. Stephens RE. **Biochim Biophys Acta** 1985 Dec 19;821(3):413–9

In vitro assembly of rat pancreas tubulin in the presence of taxol. Vanier MT, et al. **Biochim Biophys Acta** 1986 May 12;871(1):72–7

Association states of tubulin in the presence and absence of microtubule-associated proteins. Analysis by electric birefringence. Mithieux G, et al. **Biophys Chem** 1985 Oct; 22(4):307–16

Calcium and calmodulin stimulated in vitro phosphorylation of rooster brain tubulin and MAP-2 following a single oral dose of tri-o-cresyl phosphate. Suwita E, et al. **Brain Res** 1986 May 21;374(1):199–203

Aluminum intoxication: a disorder of neurofilament transport in motor neurons. Troncoso JC, et al. **Brain Res** 1985 Sep 2;342(1):172–5

N,N'-Ethylene-bis(iodoacetamide) as a probe for structural and functional characteristics of brine shrimp, squid, and bovine tubulins. Luduena RF, et al. **Can J Biochem Cell Biol** 1985 Jun;63(6):439–47

Derivatives of 5,6-diphenylpyridazin-3-one: synthetic antimitotic agents which interact with plant and mammalian tubulin at a new drug-binding site. Batra JK, et al. **Cancer Res** 1986 Apr;46(4 Pt 2):1889–93

A chicken-yeast chimeric beta-tubulin protein is incorporated into mouse microtubules in vivo. Bond JF, et al. **Cell** 1986 Feb 14;44(3):461–8

Inhibition of plant cell proteolytic activities that degrade tubulin. Morejohn LC, et al. **Cell Biol Int Rep** 1985 Sep; 9(9):849–57

An alteration in tubulin expression detected in SV40 transformed 3T3 cells. Raxworthy MJ, et al. **Cell Biol Int Rep** 1986 Jul;10(7):555–63

Incorporation and turnover of labeled exogenous tubulin in the mitotic spindles of Chaetopterus oocytes and HeLa cells. Goode D, et al. **Cell Motil Cytoskeleton** 1986; 6(2):114–21

Effects of vanadate on the assembly and disassembly of purified tubulin. Kirazov EP, et al. **Cell Motil Cytoskeleton** 1986;6(3):314–23

Interaction of protein-bound polysaccharide (PS-K) with microtubule proteins. V. Influence on tubulin-dependent adenosine triphosphatase (ATPase) activity. Fujii T, et al. **Chem Pharm Bull (Tokyo)** 1985 Apr;33(4):1537–43

The in vivo effect of low body temperatures on the degree of polymerization of tubulin in brain and testes: a comparison among some species of vertebrates. Lopez LA, et al. **Comp Biochem Physiol [A]** 1986;83(2):317–20

Disruption of microtubules in living cells and cell models by high affinity antibodies to beta-tubulin. Fluchtbauer A, et al. **EMBO J** 1985 Nov;4(11):2807–14

Tubulin domains responsible for assembly of dimers and protofilaments. Kirchner K, et al. **EMBO J** 1985 Sep; 4(9):2397–402

Microtubules are mobilized in the lactating rat anterior pituitary gland during suckling. Ravindra R, et al. **Endocrinology** 1986 Mar;118(3):1194–9

Characterization and structural aspects of the enhanced assembly of tubulin after removal of its carboxyl-terminal domain. Maccioni RB, et al. **Eur J Biochem** 1986 Apr 15; 156(2):375–81

Interaction of substance P with tubulin. Maccioni RB, et al. **Eur J Biochem** 1986 Jan 15;154(2):427–35

Binding of gossypol to purified tubulin and inhibition of its assembly into microtubules. Medrano FJ, et al. **Eur J Biochem** 1986 Jul 1;158(1):63–9

Localization of the tubulin binding site for tau protein. Serrano L, et al. **Eur J Biochem** 1985 Dec 16;153(3):595–600

Microtubule formation and the initial association of tubulin dimers. Foster KE, et al. **FEBS Lett** 1986 Jan 1; 194(1):78–84

Temperature effects on solutions of vinblastine-induced polymers assembled from brine shrimp (Artemia) tubulin. MacKinlay SA, et al. **FEBS Lett** 1986 Jul 28;203(2):301–5

Effects of microtubule-associated proteins on network formation by neurofilament-induced polymerization of tubulin. Minami Y, et al. **FEBS Lett** 1986 Jan 20; 195(1–2):68–72

Regulation of microtubule assembly. Hesketh JE. **Int J Biochem** 1985;17(7):761–6

Properties of purified colchicine-binding protein from a cultured carrot cell extract. Kato T, et al. **J Biochem (Tokyo)** 1985 Aug;98(2):371–7

Concerning the anomalous kinetic behavior of microtubules. Caplow M, et al. **J Biol Chem** 1985 Oct 15;260(23):12675–9

Erythrocyte microtubule assembly in vitro. Tubulin oligomers limit the rate of microtubule self-assembly. Murphy DB, et al. **J Biol Chem** 1986 Feb 15;261(5):2319–24

Proteolysis of tubulin and the substructure of the tubulin dimer. Sackett DL, et al. **J Biol Chem** 1986 Jul 5; 261(19):9070–6

Specific postsynaptic density proteins bind tubulin and calmodulin-dependent protein kinase type II. Sahyoun N, et al. **J Biol Chem** 1986 Sep 15;261(26):12339–44

Localization of the high affinity calcium-binding site on tubulin molecule. Serrano L, et al. **J Biol Chem** 1986 May 25;261(15):7076–81

Phosphorylation of tubulin by a calmodulin-dependent protein kinase. Wandosell F, et al. **J Biol Chem** 1986 Aug 5;261(22):10332–9

A photoaffinity derivative of colchicine: 6'-(4'-azido-2'-nitrophenylamino)= hexanoyldeacetylcolchicine. Photolabeling and location of the colchicine-binding site on the alpha-subunit of tubulin. Williams RF, et al. **J Biol Chem** 1985 Nov 5; 260(25):13794–802

Alpha-tubulin acetylase activity in isolated Chlamydomonas flagella. Greer K, et al. **J Cell Biol** 1985 Dec;101(6):2081–4

Direct observation of steady-state microtubule dynamics. Kristofferson D, et al. **J Cell Biol** 1986 Mar;102(3):1007–19

Cytoplasmic microtubules containing acetylated alpha-tubulin in Chlamydomonas reinhardtii: spatial arrangement and properties. LeDizet M, et al. **J Cell Biol** 1986 Jul;103(1):13–22

Immunofluorescence examination of beta tubulin expression and marginal band formation in developing chicken erythroblasts. Murphy DB, et al. **J Cell Biol** 1986 Feb; 102(2):628–35

Cell surface tubulin in leukemic cells: molecular structure, surface binding, turnover, cell cycle expression, and origin. Quillen M, et al. **J Cell Biol** 1985 Dec;101(6):2345–54

End-to-end annealing of microtubules in vitro. Rothwell SW, et al. **J Cell Biol** 1986 Feb;102(2):619–27

Analysis of the treadmilling model during metaphase of mitosis using fluorescence redistribution after photobleaching. Wadsworth P, et al. **J Cell Biol** 1986 Mar; 102(3):1032–8

An immunocytochemical study of the human odontoblast process using antibodies against tubulin, actin, and vimentin. Sigal MJ, et al. **J Dent Res** 1985 Dec; 64(12):1348–55

Ionic requirements and subcellular localization of tubulin tyrosinolation in human polymorphonuclear leukocytes. Nath J, et al. **J Immunol** 1986 Jan;136(2):628–35

Tubulin and benzimidazole-resistance in Trichostrongylus colubriformis (Nematoda). Sangster NC, et al. **J Parasitol** 1985 Oct;71(5):645–51

Cellular proteins which can specifically associate with simian virus 40 small t antigen. Murphy CI, et al. **J Virol** 1986 Sep;59(3):692–702

The effect of electroconvulsive shock on brain tubulin during development and aging. Mileusnić R, et al. **Life Sci** 1986 Mar 31;38(13):1171–8

Interactions of benzimidazoles (BZ) with tubulin from BZ-sensitive and BZ-resistant isolates of Haemonchus contortus. Lacey E, et al. **Mol Biochem Parasitol** 1986 May; 19(2):171–81

Characterization of alpha-MSH-induced changes in the phosphorylation of a 53 kDa protein in Xenopus melanophores. de Graan PN, et al. **Mol Cell Endocrinol** 1985 Sep;42(2):127–33

Phenobarbital induces aneuploidy in Saccharomyces cerevisiae and stimulates the assembly of porcine brain tubulin. Albertini S, et al. **Mutat Res** 1985 Oct;144(2):67–71

B ring regulation of colchicine binding kinetics and fluorescence. Bhattacharyya B, et al. **Proc Natl Acad Sci USA** 1986 Apr;83(7):2052–5

Methylglyoxal–tubulin interaction: studies on the aldehyde effects on hepatoma, liver and purified microtubular protein. Miglietta A, et al. **Res Commun Chem Pathol Pharmacol** 1986 Feb; 51(2):245–60

[Localization of the light chain (LC-1) of the microtubule-associated protein MAP-1 in the tubulin-binding portion of the molecule] Kuznetsov SA, et al. **Dokl Akad Nauk SSSR** 1986 Jan–Feb;286(1):224–6 **(Rus)**

PHARMACODYNAMICS

The stabilization of microtubules in isolated spindles by tubulin–colchicine complex. Hays TS, et al. **Cell Motil Cytoskeleton** 1986;6(3):282–90

Tubulin–colchicine complex (TC) inhibits microtubule depolymerization by a capping reaction exerted preferentially at the minus end. Bergen LG, et al. **J Cell Biochem** 1986;30(1):11–8

PHYSIOLOGY

Regulation of neuronal adenylate cyclase by microtubule proteins. Rasenick MM. **Ann NY Acad Sci** 1986;466:794–7

Contribution of microtubules to cellular physiology: microinjection of well-characterized monoclonal antibodies into cultured cells. Wehland J, et al. **Ann NY Acad Sci** 1986;466:609–21

Beyond self-assembly: from microtubules to morphogenesis. Kirschner M, et al. **Cell** 1986 May 9;45(3):329–42 (86 ref.)

Effects of colchicine on cardiac cell function indicate possible role for membrane surface tubulin. Lampidis TJ, et al. **Exp Cell Res** 1986 Jun;164(2):463–70

The acetylation of alpha-tubulin and its relationship to the assembly and disassembly of microtubules. Maruta H, et al. **J Cell Biol** 1986 Aug;103(2):571–9

A model of flagellar movement based on cooperative dynamics of dynein-tubulin cross-bridges. Murase M, et al. **J Theor Biol** 1986 Apr 21;119(4):409–33

Microtubule-associated protein 2 and tubulin are differently distributed in the dendrites of developing neurons. Matus A, et al. **Neuroscience** 1986 Feb;17(2):371–89

Tubulin: a factor necessary for the synthesis of both Sendai virus and vesicular stomatitis virus RNAs. Moyer SA, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(15):5405–9

TUBULOINTERSTITIAL NEPHRITIS see **NEPHRITIS, INTERSTITIAL**

TUFTSIN

ANALOGS & DERIVATIVES

Modification of morphine withdrawal: effect of tuftsin, [Lys4]-tuftsinyltuftsin, tetrapeptide fragment (1–4) of substance P and its amide. Aronowski J, et al. **Life Sci** 1985 Oct 28;37(17):1649–53

In vivo immunopharmacological properties of tuftsin (Thr-Lys-Pro-Arg) and some analogues. Florentin I, et al. **Methods Find Exp Clin Pharmacol** 1986 Feb;8(2):73–80

METABOLISM

Interactions of tuftsin with bovine serum albumin. Bhakuni V, et al. **FEBS Lett** 1986 Sep 15;205(2):347–50

PHARMACODYNAMICS

Interaction on the antinociceptive effect between neurotensin and enkephalins or tuftsin. Herman ZS, et al. **Acta Physiol Pol** 1984 Sep–Dec;35(5–6):442–6

Modification of morphine withdrawal: effect of tuftsin, [Lys4]-tuftsinyltuftsin, tetrapeptide fragment (1–4) of substance P and its amide. Aronowski J, et al. **Life Sci** 1985 Oct 28;37(17):1649–53

In vivo immunopharmacological properties of tuftsin (Thr-Lys-Pro-Arg) and some analogues. Florentin I, et al. **Methods Find Exp Clin Pharmacol** 1986 Feb;8(2):73–80

[Various neurochemical aspects of the action of the tetrapeptide tuftsin on limbic system structures (histochemical and biochemical study)] Il'in II, et al. **Arkh Anat Gistol Embriol** 1986 Feb;90(2):53–7 (Eng. Abstr.) **(Rus)**

[Effect of tuftsin on cerebral monoamine oxidase and acetylcholinesterase activity] Dovedova EL. **Biull Eksp Biol Med** 1986 Aug;102(8):155–7 (Eng. Abstr.) **(Rus)**

[Temporal characteristics of the behavioral effects of tuftsin] Kamenskiĭ AA, et al. **Biull Eksp Biol Med** 1986 Jan; 101(1):55–7 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Protection of mice against Plasmodium berghei infection by a tuftsin derivative. Gupta CM, et al. **FEBS Lett** 1986 Sep 15;205(2):351–4

Prophylaxis of Candida albicans infection with tuftsin. Nishioka K, et al. **J Antimicrob Chemother** 1986 Mar; 17(3):361–3

Suppression of Friend virus-induced leukaemia in mice by tuftsin. Wleklik M, et al. **J Gen Virol** 1986 Sep;67 (Pt 9):2001–4

TULAREMIA

Tularemia: emergency department presentation of an infrequently recognized disease. Harrell RE Jr, et al. **Am J Emerg Med** 1985 Sep;3(5):415–8

Tularemia in otolaryngologic practice. An analysis of 127 cases. Luotonen J, et al. **Arch Otolaryngol Head Neck Surg** 1986 Jan;112(1):77–80

BLOOD

Peripheral blood leukocyte counts, erythrocyte sedimentation rate and C-reactive protein in tularemia caused by the type B strain of Francisella tularensis. Syrjälä H. **Infection** 1986 Mar–Apr;14(2):51–4

DIAGNOSIS

Tularemic hepatitis presenting as obstructive jaundice. Ortego TJ, et al. **Gastroenterology** 1986 Aug;91(2):461–3

Agglutination and ELISA methods in the diagnosis of tularemia in different clinical forms and severities of the disease. Syrjälä H, et al. **J Infect Dis** 1986 Jan;153(1):142–5

Tularemia in adults and children: a changing presentation. Jacobs RF, et al. **Pediatrics** 1985 Nov;76(5):818–22

IMMUNOLOGY

Serological study of selected disease antibodies in Arkansas—furbearer trappers, a high risk group. Heidt GA, et al. **J Arkansas Med Soc** 1985 Nov;82(6):265–9

Humoral immunity against Francisella tularensis after natural infection. Koskela P, et al. **J Clin Microbiol** 1985 Dec; 22(6):973–9

Humoral immunity induced by a live Francisella tularensis vaccine. Complement fixing antibodies determined by an enzyme-linked immunosorbent assay (CF-ELISA). Koskela P. **Vaccine** 1985 Dec;3(5):389–91

[Effect of delayed hypersensitivity due to Staphylococcus or BCG vaccine on the sensitivity of animals to infection with heterologous bacteria or influenza virus] Gordienko SM. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Jul;(7):83–8 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Tick-borne tularemia. An outbreak of lymphadenopathy in children. Markowitz LE, et al. **JAMA** 1985 Nov 22–29; 254(20):2922–5

[Incidence of tularemia in employees of Fruta who process fruits and vegetables from a natural focus of tularemia in the South Moravian District] Černý Z, et al. **Cesk Epidemiol Mikrobiol Imunol** 1986 Apr;35(2):82–9 (Eng. Abstr.) **(Cze)**

[Polymorphic tularemia] Räsänen L, et al. **Duodecim** 1986; 102(8):451–6 **(Fin)**

PATHOLOGY

Histopathology of human lymph node tularemia caused by Francisella tularensis var palaearctica. Sutinen S, et al. **Arch Pathol Lab Med** 1986 Jan;110(1):42–6

PREVENTION & CONTROL

Francisella tularensis. Evans ME. **Infect Control** 1985 Sep; 6(9):381–3

[Effect of water improvement works on the activity of natural foci of tularemia in the Rovno district] Shuliarenko SV, et al. **Vrach Delo** 1986 Jun;(6):112–4 (Eng. Abstr.) **(Rus)**

TRANSMISSION

Airborne transmission of tularemia in farmers. Syrjälä H, et al. **Scand J Infect Dis** 1985;17(4):371–5

VETERINARY

Francisella tularensis infection in captive, wild caught prairie dogs. La Regina M, et al. **Lab Anim Sci** 1986 Apr; 36(2):178–80

TUMESCENCE, PENILE see **PENILE ERECTION**

TUMOR ANTIBODIES see **ANTIBODIES, NEOPLASM**

TUMOR ANTIGENS see **ANTIGENS, NEOPLASM**

TUMOR ANTIGENS, VIRAL see **ANTIGENS, VIRAL, TUMOR**

TUMOR CELLS, EMBOLIC see **NEOPLASM CIRCULATING CELLS**

TUMOR INITIATORS see CARCINOGENS

TUMOR PROMOTERS see CARCINOGENS

TUMOR STAGING see NEOPLASM STAGING

TUMOR STEM CELL ASSAY see under COLONY-FORMING UNITS ASSAY

TUMOR STEM CELLS

Phorbol ester induces abnormal chronic lymphocytic leukemia cells to express features of hairy cell leukemia. Caligaris-Cappio F, et al. **Blood** 1985 Nov;66(5):1035–42

ANALYSIS

Growth factors in mammalian embryogenesis. Heath JK, et al. **Ciba Found Symp** 1985;116:3–22

Structures of glycosphingolipids isolated from human embryonal carcinoma cells. The presence of mono- and disialosyl glycolipids with blood group type 1 sequence. Fukuda MN, et al. **J Biol Chem** 1986 Apr 15; 261(11):5145–53

CLASSIFICATION

Acute mixed lineage leukemia: clinicopathologic correlations and prognostic significance. Mirro J, et al. **Blood** 1985 Nov; 66(5):1115–23

[Practical use of the platelet peroxidase reaction at the ultrastructural level in the characterization of an apparently undifferentiated blast cell population] Lafuente R, et al. **Sangre (Barc)** 1985;30(4–A):470–7 (Eng. Abstr.) **(Spa)**

CYTOLOGY

Separation of lymphoid and myeloid blasts in the mixed blast crisis of chronic myelogenous leukemia: no evidence for Ig gene rearrangement in CALLA-positive blasts. Ha K, et al. **Blood** 1985 Dec;66(6):1404–8

Establishment of a novel human megakaryoblastic leukemia cell line, MEG-01, with positive Philadelphia chromosome. Ogura M, et al. **Blood** 1985 Dec;66(6):1384–92

Phorbol ester-induced alteration of differentiation and proliferation in human hematopoietic tumor cell lines: relationship to the presence and subcellular distribution of protein kinase C. Forsbeck K, et al. **Cancer Res** 1985 Dec; 45(12 Pt 1):6194–9

Expression of homologous homeo-box-containing genes in differentiated human teratocarcinoma cells and mouse embryos. Hauser CA, et al. **Cell** 1985 Nov;43(1):19–28

Growth rate regulation and random transition. A study performed on embryonal carcinoma cell lines. I. Sennerstam R, et al. **Cell Tissue Kinet** 1986 Jan;19(1):57–70

Cell growth and cell division: dissociated and random initiated? A study performed on embryonal carcinoma cell lines. II. Sennerstam R, et al. **Cell Tissue Kinet** 1986 Jan; 19(1):71–81

Changes of surface glycoproteins after retinoic acid–dibutyryl cAMP–induced differentiation of teratocarcinoma stem cells. Joukoff E, et al. **Dev Biol** 1986 Apr;114(2):289–95

Studies on the relation of DNA synthesis to retinoic acid–induced differentiation of F9 teratocarcinoma cells. Griep AE, et al. **Exp Cell Res** 1986 May;164(1):223–31

Endoderm-secreted factor stimulates growth of embryonal carcinoma stem cells. Germain EL, et al. **In Vitro Cell Dev Biol** 1986 Feb;22(2):107–12

Conditions affecting the differentiation of F9 teratocarcinoma cells: potentiation of response by cyclic AMP. Grover A, et al. **In Vitro Cell Dev Biol** 1986 May;22(5):280–4

Comparison of the colony forming ability and invasive potential of six primate cell lines treated with retinoic acid. Saiga T, et al. **Invest New Drugs** 1986;4(1):25–9

Improved colony formation of cultured retinoblastoma cells. Inomata M, et al. **Invest Ophthalmol Vis Sci** 1986 Sep; 27(9):1423–8

Regulatory mechanisms affecting the blast stem cells of acute myeloblastic leukemia. McCulloch EA. **J Cell Physiol [Suppl]** 1986;4:27–33 (49 ref.)

Post-transcriptional control of myc and p53 expression during differentiation of the embryonal carcinoma cell line F9. Dony C, et al. **Nature** 1985 Oct 17–23;317(6038):636–9

Neoplasms of the hematopoietic stem cell. Adamson JW. **Prog Clin Biol Res** 1985;184:393–402

[Modification of the clonal growth of stem cells of myeloblastic leukemia under various conditions of stimulation in in vivo culture] Hansz J, et al. **Acta Haematol Pol** 1985 Jul–Dec;16(3–4):165–9 (Eng. Abstr.) **(Pol)**

DRUG EFFECTS

Effect of cytosine arabinoside on leukemic blast cell colonies [letter] Iacopino P, et al. **Am J Hematol** 1986 Jun; 22(2):219–20

Growth promotion of human leukemic colonies in vitro with human malignant effusions. Park CH, et al. **Anticancer Res** 1986 Mar–Apr;6(2):187–90

Bone marrow transplantation for paroxysmal nocturnal hemoglobinuria: eradication of the PNH clone and documentation of complete lymphohematopoietic engraftment. Antin JH, et al. **Blood** 1985 Dec;66(6):1247–50

Tpa-induced maturation in secretory human B-leukemic cells in vitro: DNA synthesis, antigenic changes, and immunoglobulin secretion. Efremidis AP, et al. **Blood** 1985 Oct;66(4):953–60

Altered glycosaminoglycan production by HL-60 cells treated with 4-methylumbelliferyl-beta-D-xyloside. Luikart SD, et al. **Blood** 1985 Oct;66(4):866–72

Differential protection of normal and malignant human myeloid progenitors (CFU-GM) from Ara-C toxicity using cycloheximide. Slapak CA, et al. **Blood** 1985 Oct; 66(4):830–4

Clonal variation in the sensitivity of a murine mammary carcinoma to melphalan. McMillan TJ, et al. **Br J Cancer** 1986 Jun;53(6):753–9

Growth factors for human tumor clonogenic cells elaborated by macrophages isolated from human malignant effusions. Hamburger AW, et al. **Cancer Immunol Immunother** 1986; 22(3):186–90

A model for tumor response to chemotherapy: an integration of the stem cell and somatic mutation hypotheses. Goldie JH, et al. **Cancer Invest** 1985;3(6):553–64 (32 ref.)

In vitro comparison of vinzolidine and vinblastine: a model for methods of evaluation of analogues in a human tumor cloning system. Lathan B, et al. **Cancer Res** 1985 Dec;45(12 Pt 1):6286–9

Prospective correlative chemosensitivity testing in high-dose intraarterial chemotherapy for liver metastases. Link KH, et al. **Cancer Res** 1986 Sep;46(9):4837–40

New approaches to antitumor drug screening: the human tumor colony-forming assay. Shoemaker RH. **Cancer Treat Rep** 1986 Jan;70(1):9–12

In vitro activity of menogaril and N-demethylmenogaril in a human tumor cloning assay. Dodion P, et al. **Eur J Cancer Clin Oncol** 1986 Mar;22(3):245–9

Effects of various cytochalasins on the IgE-mediated serotonin release from rat basophilic leukemia cells. Teshima R, et al. **Int Arch Allergy Appl Immunol** 1985; 78(3):237–42

Antitumor activity of bovine cartilage extract (Catrix-S) in the human tumor stem cell assay. Durie BG, et al. **J Biol Response Mod** 1985 Dec;4(6):590–5

Effects of poly(I,C)-LC on growth and differentiation of normal and malignant myelopoietic progenitor cells. Schlick E, et al. **J Biol Response Mod** 1985 Dec;4(6):628–33

Cell surface markers to monitor the process of visceral endoderm differentiation from embryonal carcinoma cells: identification of the stage sensitive to high concentration of retinoic acid. Sato M, et al. **J Embryol Exp Morphol** 1985 Aug;88:165–82

Reversible and irreversible effects of retinol upon the phenotypic properties of embryonal carcinoma cells. Sherman MI, et al. **J Embryol Exp Morphol** 1986 Apr; 93:179–96

Use of a novel colony assay to evaluate the cytotoxicity of an immunotoxin containing pokeweed antiviral protein against blast progenitor cells freshly obtained from patients with common B-lineage acute lymphoblastic leukemia. Uckun FM, et al. **J Exp Med** 1986 Feb 1;163(2):347–68

Monocyte-derived growth factors for human tumor clonogenic cells. Hamburger AW, et al. **J Leukocyte Biol** 1986 Oct;40(4):381–92

Antitumor effect of tumor necrosis factor against various primarily cultured human cancer cells. Watanabe N, et al. **Jpn J Cancer Res** 1985 Nov;76(11):1115–9

Antileukemic effect of cimetidine in vitro. Takahashi T, et al. **Nippon Ketsueki Gakkai Zasshi** 1985 Jul;48(4):1100–3

Comparison of colony-stimulating activities for evaluating in vitro granulomonopoiesis in normal subjects and in patients with myeloid leukemias. López-Karpovitch X, et al. **Rev Invest Clin** 1985 Oct–Dec;37(4):323–7

The in vitro effect of leucocyte alpha-interferon on human myeloma cells in a semisolid agar culture system. Brenning G. **Scand J Haematol** 1985 Aug;35(2):178–85

[In vitro drug sensitivity tests in human brain tumors] Geroza MA, et al. **G Ital Chemioter** 1985 Jan–Apr;32(1):87–92 (Eng. Abstr.) **(Ita)**

[Clonogenic cells in human tumors and the sensitivity to chemotherapy] Potapov SL, et al. **Eksp Onkol** 1986; 8(1):7–12 (50 ref.) (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Changes in the activity and subcellular distribution of cyclic-AMP-dependent protein kinases with retinoic-acid-induced differentiation of embryonal carcinoma cells. Plet A, et al. **Differentiation** 1985; 30(2):159–64

Retinoic acid effect on cyclic AMP-dependent protein kinases in embryonal carcinoma cells: studies with differentiation-defective sublines. Plet A, et al. **J Cell Physiol** 1986 May;127(2):341–7

Isoelectric focusing of alpha-L-fucosidase from human embryonal carcinoma. Laury-Kleintop LD, et al. **JNCI** 1986 Apr;76(4):649–52

[A comparative study of esterase isozyme profiles in mouse embryonic and adult tissues and embryonal carcinoma cells] Hsu WM, et al. **Shih Yen Sheng Wu Hsueh Pao** 1985 Mar; 18(1):99–104 (Eng. Abstr.) **(Chi)**

IMMUNOLOGY

Occurrence of the common acute lymphoblastic leukemia antigen on blast cells of a patient with chronic myelomonocytic leukemia in non-lymphoid blastic phase. Gressler V, et al. **Blood** 1985 Dec;66(6):1482–4

Human placental conditioned medium reverses apparent commitment to differentiation of human promyelocytic leukemia cells (HL60). von Melchner H, et al. **Blood** 1985 Dec;66(6):1469–72

Elimination of clonogenic tumor cells from human bone marrow using a combination of monoclonal antibody:ricin A chain conjugates. Bregni M, et al. **Cancer Res** 1986 Mar; 46(3):1208–13

Neuropeptides are chemoattractants for human tumor cells and monocytes: a possible mechanism for metastasis. Ruff M, et al. **Clin Immunol Immunopathol** 1985 Dec; 37(3):387–96

A pluripotent human stem-cell clone isolated from the TERA-2 teratocarcinoma line lacks antigens SSEA-3 and SSEA-4 in vitro, but expresses these antigens when grown as a xenograft tumor. Andrews PW, et al. **Differentiation** 1985;29(2):127–35

Response of granulocyte-committed progenitors from patients with chronic myeloid leukemia to humoral regulators release by macrophages in agar diffusion chamber culture. Hansz J, et al. **Folia Haematol (Leipz)** 1985;112(3):415–23

Elimination of murine erythroleukemic stem cells with a novel anti-erythroid antibody conjugated to ricin A-chain: a model for studies of bone-marrow transplantation therapy. Tonevitsky AG, et al. **Int J Cancer** 1986 Feb 15; 37(2):263–73

[Lineage infidelity of leukemia cells] Bettelheim P, et al. **Onkologie** 1986 Apr;9(2):72–6 (Eng. Abstr.) **(Ger)**

METABOLISM

Population heterogeneity in the surface expression of Ulex europaeus I-lectin (UEA I)-binding sites in cultured malignant and transformed cells. Virtanen I, et al. **Exp Cell Res** 1985 Nov;161(1):53–62

Actin synthesis in tumorigenic and non-tumorigenic human hybrid cells. Gowing LR, et al. **J Cell Sci** 1985 Jun; 76:255–67

Nuclear activity from F9 embryonal carcinoma cells binding specifically to the enhancers of wild-type polyoma virus and PyEC mutant DNAs. Fujimura FK. **Nucleic Acids Res** 1986 Apr 11;14(7):2845–61

MICROBIOLOGY

Negative regulation of early polyomavirus expression in mouse embryonal carcinoma cells. Cremisi C, et al. **J Virol** 1986 Sep;59(3):761–3

Constitutive and retinoic acid–inducible expression of cytomegalovirus immediate-early genes in human teratocarcinoma cells. LaFemina R, et al. **J Virol** 1986 May; 58(2):434–40

PATHOLOGY

Induction of differentiation in the human leukemia cell line SPI-802: morphological, immunological, and isoenzymatic changes. Drexler HG, et al. **Am J Hematol** 1986 Apr; 21(4):337–49

Clonal origin of mouse liver cell tumors. Howell S, et al. **Am J Pathol** 1985 Dec;121(3):426–32

Fucose binding lectin for characterizing acute myeloid leukemia progenitor cells. Delwel R, et al. **Blood** 1986 Jul; 68(1):41–5

Application of hyperthermia to the treatment of human acute leukemia: purging human leukemic progenitor cells by heat. Moriyama Y, et al. **Blood** 1986 Mar;67(3):802–4

The nature of blast cells in myelodysplastic syndromes evolving to acute leukaemia. San Miguel JF, et al. **Blut** 1986 Jun;52(6):357–63

Non-linearity of colony formation by human tumour cells from biopsy samples. Eliason JF, et al. **Br J Cancer** 1985 Sep;52(3):311–8

On the clonality of tumours [letter] Woodruff MF, et al. **Br J Cancer** 1985 Sep;52(3):407

A serially transplantable human giant cell glioblastoma that maintains a near-haploid stem line. Bigner SH, et al. **Cancer Genet Cytogenet** 1985 Oct;18(2):141–53

Human tumor clonogenic assays: growth conditions and applications. Salmon SE. **Cancer Genet Cytogenet** 1986 Jan 1;19(1–2):21–8

In vitro cloning of tumor stem cells in semi-solid media containing agar and agarose. Bagasra O, et al. **Cancer Immunol Immunother** 1985;20(1):55–60

Drug and radiation sensitivity measurements of successful primary monolayer culturing of human tumor cells using cell–adhesive matrix and supplemented medium. Baker FL, et al. **Cancer Res** 1986 Mar;46(3):1263–74

Analysis of growth fractions and stem cell compartments in transformed rat tracheal epithelial cell colonies. Fitzgerald DJ, et al. **Cancer Res** 1986 Sep;46(9):4642–9

Stimulation of human metastatic melanoma colony-forming cells by an acid-sensitive factor in human platelet sonicate. Sipes NJ, et al. **Cancer Res** 1985 Dec;45(12 Pt 1):6268–72

Induction of tumor cell differentiation as a therapeutic approach: preclinical models for hematopoietic and solid neoplasms. Reiss M, et al. **Cancer Treat Rep** 1986 Jan; 70(1):201–18 (214 ref.)

Differentiation of embryonal carcinoma cells: commitment, reversibility, and refractoriness. Sherman MI. **Curr Top Dev Biol** 1986;20:345–56 (35 ref.)

On neuronal and glial differentiation of a pluripotent stem

cell line, RT4-AC: a branch determination. Sueoka N, et al. **Curr Top Dev Biol** 1986;20:211-21 (25 ref.)
Derivation of a nondifferentiating clone from multipotential PSA1 embryonal carcinoma cells. Felix JS. **Differentiation** 1985;29(3):254-8
The response of embryonal carcinoma cells to retinoic acid depends on colony size. Koopman P, et al. **Differentiation** 1986;31(1):55-60
Characterization of human embryonal carcinoma cell lines derived from testicular germ-cell tumors. Sekiya S, et al. **Differentiation** 1985;29(3):259-67
Cellular immortality, clonogenicity, tumorigenicity and the metastatic phenotype. Price JE, et al. **Eur J Cancer Clin Oncol** 1986 Mar;22(3):349-55
Induction of F9 embryonal carcinoma cell differentiation by inhibition of polyamine synthesis. Oredsson SM, et al. **Exp J Cell Biol** 1985 Sep;38(2):335-43
Effects and interactions of epidermal growth factor, insulin, hydrocortisone, and estradiol on the cloning of human tumor cells. Singletary SE, et al. **Int J Cell Cloning** 1985 Nov;3(6):407-14
Nature of leukemic stem cells in murine myelogenous leukemia. Yoshida K, et al. **Int J Cell Cloning** 1986 Mar; 4(2):91-102
Experimental chemotherapy and concepts related to the cell cycle. Tannock IF. **Int J Radiat Biol** 1986 Feb;49(2):335-55 (48 ref.)
Cytological evidence for single-cell origin of tumors induced with 3-methylcholanthrene in female mice carrying Cattanach's translocation. Takagi N, et al. **Jpn J Cancer Res** 1986 Apr;77(4):376-84
Adherent cells in cultures of blast progenitors in acute myeloblastic leukemia. Langley GR, et al. **Leuk Res** 1986; 10(8):953-9
Clinical implications of tumor-cell heterogeneity. Schnipper L. **N Engl J Med** 1986 May 29;314(22):1423-31 (59 ref.)
Predictive testing in cancer chemotherapy. II. In vitro. Slee PH, et al. **Pharm Weekbl [Sci]** 1985 Aug 23;7(4):125-33 (64 ref.)
Unregulated proliferation of primitive chronic myeloid leukemia progenitors in the presence of normal marrow adherent cells. Eaves AC, et al. **Proc Natl Acad Sci USA** 1986 Jul;83(14):5306-10
Chronic granulocytic leukemia: the heterogeneity of stem cell differentiation within a single disease entity. Canellos GP, et al. **Semin Oncol** 1985 Sep;12(3):281-8 (65 ref.)
[Influence of the in vivo microenvironment on the differentiation of cloned B7-2 embryonal carcinoma cells] Yao Z, et al. **Shih Yen Sheng Wu Hsueh Pao** 1985 Jun; 18(2):239-49 (Eng. Abstr.) (Chi)
[Optimization of the exposure of normal and transformed cell populations to phase-specific agents] Dibrov BF, et al. **Biofizika** 1985 Nov-Dec;30(6):1050-63 (Eng. Abstr.) (Rus)
[Effect of monocytes on the colony-forming activity of hematopoietic cells in healthy persons and patients with myeloblastic leukemia] Novikova NN, et al. **Gematol Transfuziol** 1986 May;31(5):9-13 (Eng. Abstr.) (Rus)

PHYSIOLOGY

An anti-carbohydrate monoclonal antibody inhibits cell-substratum adhesion of F9 embryonal carcinoma cells. Nomoto S, et al. **Exp Cell Res** 1986 May;164(1):49-62
Expression of cellular oncogenes in teratoma-derived cell lines. Sejersen T, et al. **Exp Cell Res** 1985 Sep;160(1):19-30
N-myc and c-src genes are differentially regulated in PCC7 embryonal carcinoma cells undergoing neuronal differentiation. Sejersen T, et al. **J Cell Physiol** 1986 May; 127(2):274-80
Effects of cytostatic drugs and 40.5 degrees C hyperthermia on human bone marrow progenitors (CFU-C) and human clonogenic tumor cells implanted into mice. Neumann HA, et al. **JNCI** 1985 Dec;75(6):1059-66
Clonogenic cells in acute myeloblastic leukaemia. Sabbath KD, et al. **Scand J Haematol** 1985 Sep;35(3):251-6 (40 ref.)
[Hybrids between F9 "nullipotent" teratocarcinoma and rat thymus cells produce differentiated cells] Hsu WM, et al. **Shih Yen Sheng Wu Hsueh Pao** 1985 Jun;18(2):177-87 (Eng. Abstr.) (Chi)

PHYSIOPATHOLOGY

Evidence for clonal development of childhood acute lymphoblastic leukemia. Dow LW, et al. **Blood** 1985 Oct; 66(4):902-7
[Radiation response of clonogenic cells of solid tumors. Clonogenic capacity of the murine NKLy solid tumor and its oxygen status] Gulverdashvili NA, et al. **Radiobiologiia** 1985 Sep-Oct;25(5):661-4 (Eng. Abstr.) (Rus)

RADIATION EFFECTS

Effect of X-irradiation dose rate on the clonagenic survival of human and experimental animal hematopoietic tumor cell lines: evidence for heterogeneity. FitzGerald TJ, et al. **Int J Radiat Oncol Biol Phys** 1986 Jan;12(1):69-73
[Radiosensitivity of the murine NKLy solid tumor and recovery of clonogenic cells from potentially lethal radiation damage] Gulverdashvili NA, et al. **Radiobiologiia** 1985 Sep-Oct;25(5):713-6 (Eng. Abstr.) (Rus)

[Survival of clonogenic cells of Lewis lung carcinoma cells forming colonies in agar cultures in diffusion chambers during gamma-irradiation and exposure to gamma-neutron californium-252 irradiation] Konopliannikov AG, et al. **Radiobiologiia** 1986 Jul-Aug;26(4):473-6 (Eng. Abstr.) (Rus)
[Radiosensitivity of clonogenic granulocytic macrophage cell precursors in the bone marrow and spleen of tumor-bearing mice] Lepekhina LA, et al. **Radiobiologiia** 1985 Nov-Dec; 25(6):752-5 (Eng. Abstr.) (Rus)

SECRETION

[Mechanism of a glycoprotein: laminin secretion from embryonal carcinoma F9 cells] Kitagawa Y, et al. **Seikagaku** 1985 Oct;57(10):1396-402 (22 ref.) (Jpn)

TUMOR VIRUS INFECTIONS

In situ hybridization analysis of HPV 16 DNA sequences in early cervical neoplasia. Crum CP, et al. **Am J Pathol** 1986 Apr;123(1):174-82
Human papillomavirus. Singer A, et al. **Br J Hosp Med** 1985 Aug;34(2):104-8
Papillomaviruses. **Ciba Found Symp** 1986;120:1-259
Human papilloma virus and the gynecologist [editorial] Gusberg SB. **Gynecol Oncol** 1986 Jan;23(1):iii
Epidermodysplasia verruciformis associated with type II human papilloma virus. Sibrizzi JM, et al. **J Am Podiatr Med Assoc** 1986 Apr;76(4):224-6
Human papilloma virus and cervical cancer [letter] Coppleson M, et al. **Med J Aust** 1986 Sep 1;145(5):242
Human papilloma virus and cervical cancer [letter] Gray N. **Med J Aust** 1986 May 12;144(10):555
Demonstration of Epstein-Barr virus in malignant non-Hodgkin's lymphomas. Wutzler P, et al. **Oncology** 1986;43(4):224-9

ANALYSIS

Human papillomavirus deoxyribonucleic acid in cervical carcinoma from primary and metastatic sites. Lancaster WD, et al. **Am J Obstet Gynecol** 1986 Jan;154(1):115-9
Correlation of cellular atypia and human papillomavirus deoxyribonucleic acid sequences in exfoliated cells of the uterine cervix. Lörincz AT, et al. **Obstet Gynecol** 1986 Oct; 68(4):508-12

COMPLICATIONS

Association of human papillomavirus and Chlamydia infections with incidence cervical neoplasia. Allerding TJ, et al. **Acta Cytol (Baltimore)** 1985 Sep-Oct;29(5):653-60
Human papillomavirus-related neoplasia of the lower female genital tract [letter] Pilotti S, et al. **Acta Cytol (Baltimore)** 1985 Sep-Oct;29(5):905-6
Epidermodysplasia verruciformis. Skin carcinoma containing human papillomavirus type 5 DNA sequences and primary hepatocellular carcinoma associated with chronic hepatitis B virus infection in a patient. van Voorst Vader PC, et al. **Acta Derm Venereol (Stockh)** 1986;66(3):231-6
Variant translocation t(7;922) during lymphoid blastic crisis in a case of Ph1-positive chronic myelogenous leukemia with previous EBV infection. Mecucci C, et al. **Acta Haematol (Basel)** 1986;75(1):46-8
Chlamydial cervicitis in women followed-up for human papillomavirus (HPV) lesions of the uterine cervix. Syrjänen K, et al. **Acta Obstet Gynecol Scand** 1985; 64(6):467-71
Primary central nervous system lymphoma related to Epstein-Barr virus in a patient with acquired immune deficiency syndrome. Rosenberg NL, et al. **Ann Neurol** 1986 Jul;20(1):98-102
Human papillomaviruses and cancer. McCance DJ. **Biochim Biophys Acta** 1986;823(3):195-205 (75 ref.)
The wart virus and genital neoplasia: a casual or causal association [editorial] Singer A, et al. **Br J Obstet Gynaecol** 1985 Nov;92(11):1083-5
Association of human papillomavirus with squamous carcinoma of the uterine cervix. Coleman DV, et al. **Ciba Found Symp** 1986;120:175-89
Epidermodysplasia verruciformis associated with Bowen's carcinoma, B lymphocytopenia and decreased immune functions. Maeda K, et al. **Dermatologica** 1985; 171(6):478-85
The role of human papillomaviruses in the pathogenesis and histologic classification of precancerous lesions of the cervix. Brescia RJ, et al. **Hum Pathol** 1986 Jun;17(6):552-9 (81 ref.)
Human papillomavirus and cervical neoplasia: epidemiological considerations. Grubb GS. **Int J Epidemiol** 1986 Mar;15(1):1-7
Chronic active Epstein-Barr virus infection in patients with Chediak-Higashi syndrome. Merino F, et al. **J Clin Immunol** 1986 Jul;6(4):299-305
Infection with two genotypes of Epstein-Barr virus in an infant with AIDS and lymphoma of the central nervous system. Katz BZ, et al. **J Infect Dis** 1986 Mar;153(3):601-4
Genital warts, human papillomaviruses, and cervical cancer [editorial] **Lancet** 1985 Nov 9;2(8463):1045-6
Opportunistic lymphoproliferations associated with Epstein-Barr viral DNA in infants and children with AIDS. Andiman WA, et al. **Lancet** 1985 Dec 21-28; 2(8469-70):1390-3
Prospective evaluation of risk of cervical cancer after cytological evidence of human papilloma virus infection. Mitchell H, et al. **Lancet** 1986 Mar 15;1(8481):573-5
BK virus as cause of haemorrhagic cystitis after bone marrow transplantation [letter] Rice SJ, et al. **Lancet** 1985 Oct 12; 2(8459):844-5
Verrucous carcinoma of the vulva associated with an unusual type 6 human papillomavirus. Rando RF, et al. **Obstet Gynecol** 1986 Mar;67(3 Suppl):70S-75S
Human papillomavirus (HPV) infections of the female genital tract and their associations with intraepithelial neoplasia and squamous cell carcinoma. Syrjänen KJ. **Pathol Annu** 1986;21 Pt 1:53-89 (196 ref.)
Human papillomavirus infection related to oesophageal carcinoma in black South Africans. A preliminary study. Hille JJ, et al. **S Afr Med J** 1986 Mar 29;69(7):417-20
Langerhans' cells, papillomaviruses and oesophageal carcinoma. A hypothesis. Morris H, et al. **S Afr Med J** 1986 Mar 29;69(7):413-7
[Human papilloma virus. Relation to cervical neoplasia] Bagi P. **Ugeskr Laeger** 1985 Nov 25;147(48):3885-9 (Eng. Abstr.) (Dan)
[Papillomavirus infection and cervical intraepithelial neoplasia (CIN). Study of CINIII in 2 series of conization and hysterectomies (1957-1968 and 1981-1983)] de Brux J, et al. **Bull Cancer (Paris)** 1985;72(4):290-7 (Eng. Abstr.) (Fre)
[Viral carcinogenesis] Bierwolf D. **Arch Geschwulstforsch** 1986;56(2):89-97 (78 ref.) (Eng. Abstr.) (Ger)
[Virus infections of the skin and mucous membranes and malignant tumors] Gross G. **Z Hautkr** 1985 Dec 1; 60(23):1872-7 (13 ref.) (Eng. Abstr.) (Ger)
[Bowenoid papulosis and its relation to Bowen's disease and atypical condyloma] Jablónska S, et al. **Z Hautkr** 1986 Apr 15;61(8):563-5 (Eng. Abstr.) (Ger)
[Cervical intraepithelial neoplasms and viral infections. Cytological, colposcopic and histological study] Ferrarini C, et al. **Minerva Ginecol** 1986 Jan-Feb;38(1-2):75-80 (Eng. Abstr.) (Ita)
[Role of papilloma virus (HPV) infection in the development of precancerous conditions and cancer of the cervix uteri in women] Malarewicz A. **Ginekol Pol** 1985 Dec; 56(12):773-8 (49 ref.) (Eng. Abstr.) (Pol)

DIAGNOSIS

Reproducibility of the cytologic diagnosis of human papillomavirus infection. Horn PL, et al. **Acta Cytol (Baltimore)** 1985 Sep-Oct;29(5):692-4
Diagnosis of cervical lesions from human papova virus. Mencaglia L, et al. **Acta Eur Fertil** 1985 Nov-Dec; 16(6):449-55
Herpes genitalis. Kaufman R. **Ala J Med Sci** 1986 Jul; 23(3):289-92
Human papillomavirus infection of the cervix detected by cervicovaginal lavage and molecular hybridization: correlation with biopsy results and Papanicolaou smear. Burk RD, et al. **Am J Obstet Gynecol** 1986 May; 154(5):982-9
Genital warts and cervical cancer. VII. An improved colposcopic index for differentiating benign papillomaviral infections from high-grade cervical intraepithelial neoplasia. Reid R, et al. **Am J Obstet Gynecol** 1985 Nov 15;153(6):611-8
Enzyme-linked immunosorbent assay of antibodies to Epstein-Barr virus nuclear and early antigens in patients with infectious mononucleosis and nasopharyngeal carcinoma. Halprin J, et al. **Ann Intern Med** 1986 Mar; 104(3):331-7
Methods for diagnosing papillomavirus infection. McDougall JK, et al. **Ciba Found Symp** 1986;120:86-103 (23 ref.)
Association of human papilloma virus and Chlamydia trachomatis infections with incidence cervical neoplasia. Cardillo MR. **Eur J Gynaecol Oncol** 1985;6(3):218-21
Non-invasive detection of cervical papillomavirus DNA [letter] McCance DJ, et al. **Lancet** 1986 Mar 8; 1(8480):558-9
A comparison of the ages of patients with cervical smears showing human papilloma virus, dysplasia and carcinoma in situ changes [letter] Chang AR. **NZ Med J** 1986 Mar 26;99(798):205-6
Identification of human papilloma virus in cervical swabs [letter] Okagaki T. **Obstet Gynecol** 1985 Nov;66(5):746-7
[Human papilloma virus (HPV) infection of the uterine cervix. I. Historical development, nomenclature and diagnosis] Vetner M, et al. **Ugeskr Laeger** 1985 Nov 25; 147(48):3877-9 (Eng. Abstr.) (Dan)
[Epidermodysplasia verruciformis--an example of viral carcinogenesis] Fráki J, et al. **Duodecim** 1986;102(1):36-41 (Eng. Abstr.) (Fin)
[Nasopharyngeal carcinoma with positive Epstein-Barr virus serology in a Hodgkin's disease patient. Viral reactivation?] Viala JJ, et al. **Presse Med** 1985 Dec 28;14(46):2349 (Fre)
[Virus papillomas and malignant genital tumors] Grussendorf-Conen EI. **Z Hautkr** 1985 Dec 15; 60(24):1970-4 (Eng. Abstr.) (Ger)
[An immunofluorescence study of the papilloma virus in viral warts] Takeshige M, et al. **Nippon Hifuka Gakkai Zasshi** 1985 Jul;95(8):901-4 (Jpn)

DRUG THERAPY

Hematoporphyrin derivative therapy of papillomas. Experimental study. Shikowitz MJ, et al. **Arch Otolaryngol Head Neck Surg** 1986 Jan;112(1):42–6

Cellular transformation by the herpesviruses and antiviral drugs. Lin JC, et al. **Pharmacol Ther** 1985;28(2):135–61 (107 ref.)

[Biological effect of interferons and their possible therapeutic use] Stelzner A. **Dermatol Monatsschr** 1986;172(1):1–8 (Eng. Abstr.) (Ger)

ETIOLOGY

Cancer and wart virus: a review. McCrossin I. **Australas J Dermatol** 1985 Apr;26(1):1–3 (24 ref.)

Evaluation of urinary cytology of male sexual partners of women with cervical intraepithelial neoplasia and human papilloma virus infection. Nahhas WA, et al. **Gynecol Oncol** 1986 Jul;24(3):279–85

Association of BK viruria with hemorrhagic cystitis in recipients of bone marrow transplants. Arthur RR, et al. **N Engl J Med** 1986 Jul 24;315(4):230–4

Pruritic vulvar squamous papillomatosis: evidence for human papillomavirus etiology. Growdon WA, et al. **Obstet Gynecol** 1985 Oct;66(4):564–8

Human papillomavirus and lower genital neoplasia in renal transplant patients. Halpert R, et al. **Obstet Gynecol** 1986 Aug;68(2):251–8

Epstein–Barr virus and malaria in relation to Burkitt's lymphoma in Papua New Guinea. Moss D. **Papua New Guinea Med J** 1986 Mar;29(1):41–3

[Viral tumors in monkeys] Lapin BA. **Arch Geschwulstforsch** 1986;56(2):99–106 (14 ref.) (Eng. Abstr.) (Ger)

FAMILIAL & GENETIC

RNA virus expression during and after methylnitrosoures–induced T–cell leukemogenesis in mice. Grompe M, et al. **Blut** 1985 Dec;51(6):377–84

High frequency germline acquisition of ecotropic MuLV proviruses in SWR/J–RF/J hybrid mice. Jenkins NA, et al. **Cell** 1985 Dec;43(3 Pt 2):811–9

Occurrence of human papillomavirus types 16 and 18 DNA in cervical carcinomas from Japan: age of patients and histological type of carcinomas. Yoshikawa H, et al. **Jpn J Cancer Res** 1985 Aug;76(8):667–71

Intracellular surveillance of persisting viral infections. Human genital cancer results from deficient cellular control of papillomavirus gene expression. zur Hausen H. **Lancet** 1986 Aug 30;2(8505):489–91

Human papillomavirus deoxyribonucleic acid in adenocarcinoma and adenosquamous carcinoma of the uterine cervix. Smotkin D, et al. **Obstet Gynecol** 1986 Aug; 68(2):241–4

IMMUNOLOGY

Natural killer (NK) cells with HNK–1 phenotype in the cervical biopsies of women followed–up for human papillomavirus (HPV) lesions. Syrjänen K, et al. **Acta Obstet Gynecol Scand** 1986;65(2):139–45

The expression of Ia–antigen on nasopharyngeal carcinomas xenografted into nude mice. Ebbers J, et al. **Arch Otorhinolaryngol** 1985;242(2):209–15

Increased incidence of IgA antibodies to the Epstein–Barr virus–associated viral capsid antigen and early antigens in patients with chronic lymphocytic leukemia. Dölken G, et al. **Int J Cancer** 1986 Jul 15;38(1):55–9

Chronic infection of nude mice by murine K papovavirus. Greenlee JE. **J Gen Virol** 1986 Jun;67 (Pt 6):1109–14

Reversal of virus–induced immune suppression. Strayer DS, et al. **J Immunol** 1986 Apr 1;136(7):2649–53

Requirement of Ia–positive accessory cells in the MLR response against class II antigen on human B cell tumor line. Yamamoto M, et al. **J Immunol** 1985 Dec; 135(6):3887–96

Role of the blood–brain barrier in the establishment of the immune response against polyoma virus–induced cerebral tumours in hamsters. de Micco C, et al. **J Neuroimmunol** 1986 Jun;11(4):301–10

In vivo immunologic selection of proviral gene deletion variants from a nonproducer clone. Tanio Y, et al. **JNCI** 1986 Sep;77(3):767–75

Progressive multifocal leukoencephalopathy: JC virus detection by in situ hybridization compared with immunohistochemistry. Aksamit AJ, et al. **Neurology** 1986 Apr;36(4):499–504

Immunobiology of human papillomavirus infection. Kirchner H. **Prog Med Virol** 1986;33:1–41 (168 ref.)

[Papilloma viruses: group–specific antigens within lesions of the oral mucosa] Gogusev J, et al. **Rev Stomatol Chir Maxillofac** 1986;87(1):14–24 (60 ref.) (Eng. Abstr.) (Fre)

[Pedicled papilloma of the conjunctiva with papilloma virus. Immunohistochemical detection of species specific papilloma–virus antigens] Völcker HE, et al. **Klin Monatsbl Augenheilkd** 1985 Sep;187(3):212–4 (Eng. Abstr.) (Ger)

[Immunohistochemical study of condyloma and and carcinoembryonic antigens in the uterine cervix in human papilloma virus infection and neoplasia] Alcántara–Vázquez A, et al. **Rev Invest Clin** 1985 Oct–Dec; 37(4):291–6 (Eng. Abstr.) (Spa)

METABOLISM

A 105 000 dalton antigen of transformed mouse cells is a stress protein. Rose TM, et al. **Can J Biochem Cell Biol** 1985 Dec;63(12):1258–64

Disturbed expression of ribonucleotide reductase and cytokeratin polypeptides in focal epithelial hyperplasia. An immunohistochemical study using monoclonal antibodies. Rozell B, et al. **J Oral Pathol** 1986 May;15(5):261–4

MICROBIOLOGY

Human papillomavirus (HPV) DNA sequences demonstrated by in situ DNA hybridization in serial paraffin–embedded cervical biopsies. Syrjänen S, et al. **Arch Gynecol** 1986; 239(1):39–48

Verrucous carcinoma of the larynx. Possible human papillomavirus etiology. Abramson AL, et al. **Arch Otolaryngol** 1985 Nov;111(11):709–15

Human papillomavirus (HPV) infection of cervical lesions detected by immunohistochemistry and in situ hybridization. Hoepfner I, et al. **Cancer Detect Prev** 1986; 9(3–4):293–301

Epidermodysplasia verruciformis: a model for understanding the oncogenicity of human papillomaviruses. Orth G. **Ciba Found Symp** 1986;120:157–74

Human papillomavirus type 16 DNA in genital tumours: a pathological and molecular analysis. Di Luca D, et al. **J Gen Virol** 1986 Mar;67 (Pt 3):583–9

Epidermodysplasia verruciformis–associated human papillomavirus 8: genomic sequence and comparative analysis. Fuchs PG, et al. **J Virol** 1986 May;58(2):626–34

Infection of the oral mucosa with defined types of human papillomaviruses. de Villiers EM, et al. **Med Microbiol Immunol (Berl)** 1986;174(6):287–94

In vitro growth characteristics of simian T–lymphotropic virus type III. Kannagi M, et al. **Proc Natl Acad Sci USA** 1985 Oct;82(20):7053–7

Detection of papillomavirus DNA in human semen. Ostrow RS, et al. **Science** 1986 Feb 14;231(4739):731–3

RNA tumor virus in human thymomas and thymus hyperplasias. Ono A, et al. **Semin Surg Oncol** 1985; 1(3):139–52

Human papillomavirus and cervical neoplasia [editorial] Rone R. **Tex Med** 1986 Jul;82(7):5–6

Human papillomavirus and cervical disease in a Mexican–American community. Weiss KM, et al. **Tex Med** 1986 Jul;82(7):21–5

Human papillomavirus type 17 DNA in skin carcinoma tissue of a patient with epidermodysplasia verruciformis. Yutsudo M, et al. **Virology** 1985 Jul 15;144(1):295–8

[Condylomas—evidence for the involvement of papillomaviruses in the development of cervical cancer] Gissmann L. **Gynakologe** 1985 Sep;18(3):160–2 (Ger)

OCCURRENCE

[Focal epithelial hyperplasia: first cases in Switzerland and review of the literature] Samson J, et al. **Dermatologica** 1985;171(5):308–15 (Eng. Abstr.) (Fre)

PATHOLOGY

Epidermodysplasia verruciformis. Clinical and light– and electron–microscopic observations during etretinate therapy. Kanerva LO, et al. **Arch Dermatol Res** 1985; 278(2):153–60

Factors influencing the biological behaviour of cervical human papillomavirus (HPV) infections in prospectively followed–up women. Syrjänen K, et al. **Arch Geschwulstforsch** 1985;55(6):457–66

The malignant potential of papillomavirus. Dyall–Smith D, et al. **Australas J Dermatol** 1985 Dec;26(3):102–7 (74 ref.)

Papillomaviruses and their involvement in oncogenesis. Smith KT, et al. **Biomed Pharmacother** 1985;39(8):405–14 (97 ref.)

Natural history of cervical human papillomavirus (HPV) infections based on prospective follow–up. Syrjänen K, et al. **Br J Obstet Gynaecol** 1985 Nov;92(11):1086–92

Papillomavirus infection in cattle: viral and chemical cofactors in naturally occurring and experimentally induced tumours. Campo MS, et al. **Ciba Found Symp** 1986; 120:117–35

Criteria for establishing that a virus is oncogenic. Crawford L. **Ciba Found Symp** 1986;120:104–16

Laryngeal papillomatosis is associated with a defect in cellular differentiation. Steinberg BM. **Ciba Found Symp** 1986;120:208–20

What does the spiral fibril of Eberth mean? [letter] Giacomini G, et al. **Diagn Cytopathol** 1986 Jan–Mar;2(1):86–7

Recurrence incidence in follow–up of patients affected by condylomatosis of the uterine cervix with VCE (viral cytopathic effect). Alberico S, et al. **Eur J Gynaecol Oncol** 1985;6(3):222–6

Human papillomaviruses of different types in precancerous lesions of the uterine cervix: histologic, immunocytochemical and ultrastructural studies. Kadish AS, et al. **Hum Pathol** 1986 Apr;17(4):384–92

Bowenoid papulosis of the male and female genitalia: risk of cervical neoplasia. Obalek S, et al. **J Am Acad Dermatol** 1986 Mar;14(3):433–44

Virus–induced pancreatic cancer in guinea fowl: a morphologic study. Kirev TT, et al. **JNCI** 1986 Sep; 77(3):713–20

Employment of a [3H]thymidine–incorporation assay to distinguish the effects of different Friend erythroleukemia–inducing retroviruses on erythroid cell proliferation. Ruscetti SK. **JNCI** 1986 Jul;77(1):241–5

Koilocyte frequency and prevalence of cervical human papillomavirus infection [letter] **Lancet** 1986 Mar 8; 1(8480):557–8

Koilocytes and cervical human papillomavirus infection [letter] Byrne P, et al. **Lancet** 1986 Jan 25;1(8474):205–6

[Human papilloma virus (HPV) infection of the uterine cervix. II. A prospective colposcopic and cytological examination] Frandsen K, et al. **Ugeskr Laeger** 1985 Nov 25;147(48):3880–2 (Eng. Abstr.) (Dan)

[Human papilloma virus (HPV) infection of the uterine cervix. III. A prospective study of women referred because of abnormal smears] Toft B, et al. **Ugeskr Laeger** 1985 Nov 25;147(48):3882–5 (Eng. Abstr.) (Dan)

[In situ cancer of the cervix and papillomavirus. Study of III cases of conization] Barrasso R, et al. **Rev Fr Gynecol Obstet** 1985 Jan;80(1):1–5 (Eng. Abstr.) (Fre)

[Clinical significance of human papilloma virus (HPV) infections of the lower genital tract] Schneider A, et al. **Geburtshilfe Frauenheilkd** 1986 May;46(5):261–6 (Eng. Abstr.) (Ger)

[Papilloma viruses in benign and malignant tumors of the mouth and upper respiratory tract] de Villiers EM, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Apr;65(4):177–9 (Eng. Abstr.) (Ger)

[Immunohistochemical studies with retrovirus–specific antibodies in benign and malignant diseases of the breast] Gössner W, et al. **Verh Dtsch Ges Pathol** 1985;69:249–53 (Eng. Abstr.) (Ger)

[Type–specific morphology of viral papillomas (electron microscopic findings in HPV–1 and HPV–4 warts)] Grussendorf–Conen EI. **Z Hautkr** 1985 Nov 15; 60(22):1745–9 (Eng. Abstr.) (Ger)

[Cell patterns induced by human papilloma virus in samples sent to a cytodiagnostic central laboratory] Schieck H. **Zentralbl Gynakol** 1985;107(17):1081–4 (Eng. Abstr.) (Ger)

[Eosinophilic granules of myrmecia] Honda M, et al. **Nippon Hifuka Gakkai Zasshi** 1985 Oct;95(11):1173–85 (Jpn)

PHYSIOPATHOLOGY

The pathophysiology of murine retrovirus–induced leukemias. Schiff RD, et al. **CRC Crit Rev Oncol Hematol** 1986;5(3):257–323 (757 ref.)

Ectopic hematopoiesis in peritoneal tumor nodules induced by the myeloproliferative sarcoma virus in DBA/2 mice. Smadja–Joffe F, et al. **JNCI** 1986 Feb;76(2):351–7

PREVENTION & CONTROL

Prevention of oncogenic viral infections in mice with CGP 11637, a synthetic muramyl dipeptide analog. Acevedo HF, et al. **Antimicrob Agents Chemother** 1985 Nov;28(5):589–96

Not all potently neutralizing, vaccine–induced antibodies to Epstein–Barr virus ensure protection of susceptible experimental animals. Epstein MA, et al. **Clin Exp Immunol** 1986 Mar;63(3):485–90

[Prevention of genito–anal and bucco–laryngo–esophageal cancers caused by sexually transmitted viruses] Mathé G. **Biomed Pharmacother** 1985;39(6):253–62 (57 ref.) (Eng. Abstr.) (Fre)

RADIOGRAPHY

Computed tomography of monkey brain tumors. Satoh T, et al. **J Comput Assist Tomogr** 1986 Sep–Oct;10(5):827–30

SURGERY

Efficacy of cryotherapy in the treatment of human papilloma virus infection of the uterine cervix. Benrubi G, et al. **J Fla Med Assoc** 1986 Mar;73(3):188–91

THERAPY

Papillomaviruses and interferon. Androphy EJ. **Ciba Found Symp** 1986;120:221–34 (25 ref.)

Warts and other human papillomavirus infections. Mroczkowski TF, et al. **Postgrad Med** 1985 Nov 15; 78(7):91–8

[Warts in humans. Pathogens—clinical aspects—therapy] Grussendorf–Conen EI. **Med Monatsschr Pharm** 1986 Jun; 9(6):165–71 (Ger)

TRANSMISSION

Sexual behaviour of women with human papillomavirus lesions of the uterine cervix [letter] Evans BA. **Genitourin Med** 1985 Feb;61(1):67

Transmissible lymphoma and simian acquired immunodeficiency syndrome in rhesus monkeys. Baskin GB, et al. **JNCI** 1986 Jul;77(1):127–39

Viruses, specula, and cervical cancer [letter] Skegg DC, et al. **Lancet** 1986 Apr 5;1(8484):797

Human papilloma virus and cervical cancer [letter] Abraham S. **Med J Aust** 1986 Feb 3;144(3):164

[Bowenoid papulosis and carcinoma in situ of the cervix uteri in sex partners. An example of the transmissibility of

HPV-16 infection] Gross G, et al. **Hautarzt** 1985 Aug; 36(8):465-9 (Eng. Abstr.) (Ger)
[Sexual transmissibility of papillomaviruses] Gross G, et al. **Z Hautkr** 1985 Nov 15;60(22):1737-8, 1741-2 (Eng. Abstr.) (Ger)

ULTRASTRUCTURE

Retrovirus-induced osteopetrosis in mice. Ultrastructural evidence of early virus production in osteoblasts and osteocytes. Murray AB, et al. **Am J Pathol** 1986 Aug; 124(2):319-23

VETERINARY

Immunoprecipitation of Epstein-Barr virus (EBV)-specific proteins by prelymphomatous and normal baboon sera containing antibodies reactive with EBV early antigen. Voevodin AF, et al. **Acta Virol (Praha)** 1985 May; 29(3):242-6
A papova-like virus infection of lovebirds (Agapornis sp). Pass DA. **Aust Vet J** 1985 Sep;62(9):318-9
Immunization against bovine papillomavirus infection. Pilacinski WP, et al. **Ciba Found Symp** 1986;120:136-56
Resistance of line 6(3) chickens to reticuloendotheliosis-virus-induced bursa-associated lymphomas. Fadly AM, et al. **Int J Cancer** 1986 Jul 15; 38(1):139-43
Diagnostic exercise: tumors in a baboon. Walker DH, et al. **Lab Anim Sci** 1985 Dec;35(6):627-8
[Enhanced pathenogicity of chicken anemia agent (CAA) in dual infections with Marek's disease virus (MDV), infectious bursal disease virus (IBDV) or reticuloendotheliosis virus (REV)] von Bülow V, et al. **Zentralbl Veterinarmed [B]** 1986 Mar;33(2):93-116 (Eng. Abstr.) (Ger)

TUMOR VIRUSES see **ONCOGENIC VIRUSES**

TUMORS see **NEOPLASMS**

TUNA see under **FISHES**

TUNGSTEN

On the chemical basis of the Lowry protein determination. Legler G, et al. **Anal Biochem** 1985 Nov 1;150(2):278-87
Half-value-layer increase owing to tungsten buildup in the x-ray tube: fact or fiction. Stears JG, et al. **Radiology** 1986 Sep;160(3):837-8

METABOLISM

Chromate, molybdate, tungstate and vanadate behave as substrates of yeast diadenosine 5',5'''-p1,p4-tetraphosphate alpha, beta-phosphorylase. Guranowski A, et al. **Biochimie** 1986 May;68(5):757-60
Distribution of tungstate in pregnant mice and effects on embryonic cells in vitro. Wide M, et al. **Environ Res** 1986 Aug;40(2):487-98

PHARMACODYNAMICS

Activation in vitro of respiratory nitrate reductase of Escherichia coli K12 grown in the presence of tungstate. Involvement of molybdenum cofactor. Saracino L, et al. **Eur J Biochem** 1986 Aug 1;158(3):483-90

TUNICAMYCIN see under **GLUCOSAMINE**

TUNICATA see **UROCHORDATA**

TUPAIA see under **TUPAIIDAE**

TUPAIIDAE

ANATOMY & HISTOLOGY

Pretectal complex and accessory optic system of primates. Weber JT. **Brain Behav Evol** 1985;26(2):117-40 (70 ref.)
Demonstration of ipsilateral retinocollicular projections in the tree shrew (Tupaia glis). Conley M, et al. **Brain Res** 1985 Oct 28;346(1):181-5

GROWTH & DEVELOPMENT

Ultrastructure of the developing tree shrew lateral geniculate nucleus. Brunso-Bechtold JK, et al. **Brain Res** 1985 Dec; 355(2):310-4

METABOLISM

[Cultivation of smooth muscle cells from the tree shrew aorta with special reference on the effects of hyperlipemic serum on the cultured cells] Xia RY. **Chung-hua Ping Li Hsueh Tsa Chih** 1985 Mar;14(1):23-6 (Eng. Abstr.) (Chi)

MICROBIOLOGY

Isolation and characterization of a tupaia rhabdovirus. Kurz W, et al. **Intervirology** 1986;25(2):88-96

PHYSIOLOGY

Spectral mechanisms and color vision in the tree shrew (Tupaia belangeri). Jacobs GH, et al. **Vision Res** 1986; 26(2):291-8
A contribution to the longevity of Tupaia glis DIARD, 1820 in captivity—short communication. Bever K, et al. **Z Versuchstierkd** 1986;28(1-2):3-5

TUPAIINAE see **TUPAIIDAE**

TURBATRIX see **NEMATODA**

TURBELLARIA

ANATOMY & HISTOLOGY

The brain of the planarian as the ancestor of the human brain. Sarnat HB, et al. **Can J Neurol Sci** 1985 Nov;12(4):296-302
Kronborgia pugettensis sp.nov. (Neorhabdocoela: Fecampiidae), an endoparasitic turbellarian infesting the shrimp Heptacarpus kincaidi (Rathbun), with notes on its life-history. Shinn GL, et al. **Parasitology** 1985 Dec;91 (Pt 3):431-47

DRUG EFFECTS

Stimulation of cellular proliferation and differentiation in the intact and regenerating planarian Dugesia(G) tigrina by the neuropeptide substance P. Saló E, et al. **J Exp Zool** 1986 Jan;237(1):129-35

ENZYMOLOGY

[Malate dehydrogenase and lactate dehydrogenase in trematodes and turbellarians] Vykhrestiuk NP, et al. **Zh Evol Biokhim Fiziol** 1986 Jan-Feb;22(1):24-9 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Cell movement in intact and regenerating planarians. Quantitation using chromosomal, nuclear and cytoplasmic markers. Saló E, et al. **J Embryol Exp Morphol** 1985 Oct; 89:57-70
Nerve repair and behavioral recovery following brain transplantation in Notoplana acticola, a polyclad flatworm. Davies L, et al. **J Exp Zool** 1985 Aug;235(2):157-73
Neuropeptides in a microturbellarian—whole mount immunocytochemistry. Wikgren MC, et al. **Peptides** 1985; 6 Suppl 3:471-5
Absence of light response in eyeless planaria. Arees EA. **Physiol Behav** 1986;36(3):445-9
[Turbellaria in the lagoon of Ghar-el-Melh. Research on the regenerative ability of Monocelis fusca Oersted (Turbellaria, Monocelididae)] Zghal F, et al. **Arch Inst Pasteur Tunis** 1985 Mar-Jun;62(1-2):37-45 (Eng. Abstr.) (Fre)

TURBIDIMETRY see **NEPHELOMETRY AND TURBIDIMETRY**

TURBINATES

Nasal obstruction caused by cystic nasal conchae in cattle. Ross MW, et al. **J Am Vet Med Assoc** 1986 Apr 15; 188(8):857-60

ABNORMALITIES

Nasal airway obstruction: CT assessment. Chinwuba C, et al. **Radiology** 1986 May;159(2):503-6

ANATOMY & HISTOLOGY

Morphological study on the nasal turbinates (conchae) of the pika (Ochotona rufescens rufescens) and the volcano rabbit (Romerolagus diazi). Kuramoto K, et al. **Anat Histol Embryol** 1985 Dec;14(4):332-41

CYTOLOGY

Isolation and long-term culture of rat, rabbit, and human nasal turbinate epithelial cells. Steele VE, et al. **In Vitro Cell Dev Biol** 1985 Dec;21(12):681-7

GROWTH & DEVELOPMENT

Topography and differential growth of the nasal ventral concha (os conchae nasalis ventralis) of the pig from birth to six weeks of age. Martineau-Doizé B, et al. **Am J Vet Res** 1986 Feb;47(2):416-21

PATHOLOGY

Turbinate atrophy in gnotobiotic pigs intranasally inoculated with protein toxin isolated from type D Pasteurella multocida. Dominick MA, et al. **Am J Vet Res** 1986 Jul; 47(7):1532-6
Lesions induced in the nasal turbinates of neonatal pigs inoculated with Pasteurella multocia and/or Bordetella bronchiseptica. Oyamada T, et al. **Nippon Juigaku Zasshi** 1986 Apr;48(2):377-87
The pathogenesis of persistent turbinate atrophy induced by toxigenic Pasteurella multocida in pigs. Elling F, et al. **Vet Pathol** 1985 Sep;22(5):469-74

SURGERY

The role of turbinectomy in rhinoplasty. Mahler D, et al. **Aesthetic Plast Surg** 1985;9(4):277-9
Anterior turbinectomy. A new surgical approach to turbinate hypertrophy: a review of 220 cases. Fanous N. **Arch Otolaryngol Head Neck Surg** 1986 Aug;112(8):850-2
Changes in olfactory acuity induced by total inferior turbinectomy. Ophir D, et al. **Arch Otolaryngol Head Neck Surg** 1986 Feb;112(2):195-7
[8 years' laser surgery of the inferior turbinates in vasomotor rhinopathy in the form of laser strip carbonization] Lenz H. **HNO** 1985 Sep;33(9):422-5 (Eng. Abstr.) (Ger)

TURKEYS

Comparison of two lighting regimens and drinker cleaning programmes on the performance and incidence of leg abnormalities in turkey males. Hester PY, et al. **Br Poult Sci** 1986 Mar;27(1):63-73
Ultrastructural features of ethanol-induced cardiomyopathy in turkey poults. Czarnecki CM, et al. **Comp Biochem Physiol [A]** 1985;82(4):939-43
Diseases diagnosed in wild turkeys (Meleagris gallopavo) of the southeastern United States. Davidson WR, et al. **J Wildl Dis** 1985 Oct;21(4):386-90
Deep pectoral myopathy: a penalty of successful selection for muscle growth. Siller WG. **Poult Sci** 1985 Aug; 64(8):1591-5 (16 ref.)
Vitamin A toxicosis in the chick and turkey poults. Veltmann JR Jr, et al. **Poult Sci** 1986 Mar;65(3):538-45
Necropsy of chickens, turkeys, and other poultry. Schwartz LD, et al. **Vet Clin North Am Food [Food Anim Pract]** 1986 Mar;2(1):43-60
Turkey rhinotracheitis: leads and lessons. **Vet Rec** 1986 Feb 22;118(8):193
Viruses associated with turkey rhinotracheitis in Great Britain [letter] Alexander DJ, et al. **Vet Rec** 1986 Feb 22; 118(8):217-8
Scour in turkeys [letter] Cavill JP. **Vet Rec** 1985 Dec 21-28; 117(25-26):673
Scour in turkeys [letter] Gooderham KR. **Vet Rec** 1985 Nov 23;117(21):563
Scours in turkeys [letter] Horrox NE. **Vet Rec** 1985 Oct 12; 117(15):395
Turkey breeder vaccination [letter] Horrox NE. **Vet Rec** 1985 Dec 21-28;117(25-26):673
Turkey rhinotracheitis: preliminary investigations. McDougall JS, et al. **Vet Rec** 1986 Feb 22;118(8):206-7
Evidence of immunosuppression in turkey poults affected by rhinotracheitis [letter] Timms LM. **Vet Rec** 1986 Feb 22; 118(8):218
[Changes in the acid-base equilibrium of turkey poults infected with Eimeria adenoeides] Kolnarski V. **Vet Med Nauki** 1985;22(8):74-8 (Eng. Abstr.) (Bul)
[Pathomorphology and histokinesis of the changes due to Eimeria in turkey poults experimentally infected with Eimeria adenoeides] Lozanov L, et al. **Vet Med Nauki** 1985; 22(10):43-50 (Eng. Abstr.) (Bul)
[The effect of extreme cooling and the temperature for crystallization on the quality of turkey sperm] Skrobánek P, et al. **Vet Med (Praha)** 1986 Jan;31(1):43-8 (Eng. Abstr.) (Cze)
[Monensin/sulfachlorpyrazine poisoning in turkeys] Braunius WW. **Tijdschr Diergeneeskd** 1986 Jul 15;111(14):676-8 (Eng. Abstr.) (Dut)
[A case of narasin poisoning in turkeys] Litjens JB. **Tijdschr Diergeneeskd** 1985 Sep 1;110(17):665 (Dut)

BLOOD

Influence of cerebroventricular injection of dopamine on plasma prolactin and LH levels of postlaying and broody turkey hens. Hargis BM, et al. **Gen Comp Endocrinol** 1986 Jan;61(1):142-7
Accumulation rate in the whole blood of market turkeys fed prophylactic and therapeutic levels of sulfadimethoxine. Hakimi AY, et al. **Poult Sci** 1986 Jul;65(7):1275-7
An on-farm method for determination of sulfonamide drug residues in turkeys. I. An agar-diffusion analysis for sulfadimethoxine in whole blood. Murphy ML, et al. **Poult Sci** 1986 Jul;65(7):1281-6
Serum corticosterone levels in embryos, newly hatched, and young turkey poults. Wentworth BC, et al. **Poult Sci** 1985 Nov;64(11):2195-201

GENETICS

Ring lethal: an early embryonic failure in medium white turkeys. Savage TF, et al. **J Hered** 1985 Nov-Dec; 76(6):474-6
The influence of genetic increases in shank width on body weight, walking ability, and reproduction of turkeys. Nestor KE, et al. **Poult Sci** 1985 Dec;64(12):2248-55
Swollen down plumules, an autosomal recessive lethal in turkeys. Savage TF, et al. **Poult Sci** 1986 May;65(5):823-8

GROWTH & DEVELOPMENT

Effect of dietary energy on lipogenesis in turkey hens prior to and after sexual maturity. Rosebrough RW, et al. **Growth** 1985 Summer;49(2):218-28
Growth-related changes in the intracellular distribution of succinate dehydrogenase activity in turkey muscle. Swatland HJ. **Growth** 1985 Winter;49(4):409-16
Effects of graded levels of dietary phosphorus on bone mineralization in the very young poult. Bailey CA, et al. **Poult Sci** 1986 May;65(5):1018-20
Effects of aflatoxin on young turkeys and broiler chickens.

Giambrone JJ, et al. **Poult Sci** 1985 Sep;64(9):1678–84
Pathology of vitamin D deficiency in growing turkeys. Hedstrom OR, et al. **Vet Pathol** 1986 Jul;23(4):485–98
[Mathematical treatment of a growth series for body mass in turkeys (male, female)] Sager G. **Anat Anz** 1985; 160(3):203–13 (Eng. Abstr.) (Ger)

IMMUNOLOGY

Field vaccination against hemorrhagic enteritis of turkeys by a cell–culture live–virus vaccine. Fadly AM, et al. **Avian Dis** 1985 Jul–Sep;29(3):768–77
Immune response of poults following intranasal inoculation with Artvax vaccine and a formalin–inactivated Bordetella avium bacterin. Hofstad MS, et al. **Avian Dis** 1985 Jul–Sep; 29(3):746–54
Onset and duration of immunity and minimum dosage with CU cholera vaccine in turkeys via drinking water. Olson LD, et al. **Avian Dis** 1986 Jan–Mar;30(1):87–92
Vaccination regimes for poultry. Haxby D. **In Pract** 1985 Nov;7(6):182–3
Evidence of immunosuppression in turkey poults affected by rhinotracheitis. Timms LM, et al. **Vet Rec** 1986 Jul 26; 119(4):91–2

METABOLISM

The pharmacokinetics of chlortetracycline orally administered to turkeys: influence of citric acid and Pasteurella multocida infection. Pollet RA, et al. **J Pharmacokinet Biopharm** 1985 Jun;13(3):243–64
Metabolism and ovarian follicular uptake of the major yolk precursor in laying turkey hens. Bacon WL. **Poult Sci** 1986 Jun;65(6):1184–92
Relationship of selected quality characteristics and the cholesterol and sodium content of turkey. Prusa KJ. **Poult Sci** 1986 Jun;65(6):1208–10
Influence of age on utilization of supplemental fats by young turkeys. Sell JL, et al. **Poult Sci** 1986 Mar;65(3):546–54
Pharmacokinetics of tetracyclines in turkeys. Conzelman GM, et al. **Proc West Pharmacol Soc** 1985;28:323–5
Arachidonic acid metabolism in thrombocytes and vascular tissues of turkeys. Einzig S, et al. **Prostaglandins** 1985 Dec; 30(6):999–1017
[Binding centers of adrenoreceptors. Topography of erythrocyte beta–adrenoreceptors in the turkey] Kats MM. **Izv Akad Nauk SSSR [Biol]** 1985 Sep–Oct;(5):748–53 (Eng. Abstr.) (Rus)

MICROBIOLOGY

Establishment of a variant type of turkey herpesvirus which releases cell–free virus into the culture medium in large quantities. Brief report. Yachida S, et al. **Arch Virol** 1986; 91(1–2):183–92
Influence of temperature on the growth of Bordetella avium in turkeys and in vitro. Arp LH, et al. **Avian Dis** 1985 Oct–Dec;29(4):1066–77
Clearance of bacteria in turkeys with Bordetella avium–induced tracheitis. Ficken MD, et al. **Avian Dis** 1986 Apr–Jun;30(2):352–7
The efficacy of a temperature–sensitive mutant vaccine against Northwest Arkansas isolates of Alcaligenes faecalis. Herzog M, et al. **Avian Dis** 1986 Jan–Mar;30(1):112–6
Contribution to the taxonomy of the turkey coryza agent: cellular fatty acid analysis of the bacterium. Jackwood MW, et al. **Avian Dis** 1986 Jan–Mar;30(1):172–8
Further characterization of the agent causing coryza in turkeys. Jackwood MW, et al. **Avian Dis** 1985 Jul–Sep; 29(3):690–705
Clinical outbreak of Bordetella avium infection in two turkey breeder flocks. Kelly BJ, et al. **Avian Dis** 1986 Jan–Mar; 30(1):234–7
Characterization of herpesvirus of turkeys. Replication using recombinant DNA. Mucenski ML, et al. **Avian Dis** 1986 Apr–Jun;30(2):255–63
Studies on orthoreoviruses isolated from young turkeys. II. Virus distribution in organs and serological response of poults inoculated orally. Nersessian BN, et al. **Avian Dis** 1985 Oct–Dec;29(4):963–9
Studies on orthoreoviruses isolated from young turkeys. I. Isolation and characterization. Nersessian BN, et al. **Avian Dis** 1985 Jul–Sep;29(3):755–67
Effect of chlorination of drinking water on experimental salmonella infection in poultry. Poppe C, et al. **Avian Dis** 1986 Apr–Jun;30(2):362–9
Isolation and serial propagation of turkey rotaviruses in a fetal rhesus monkey kidney (MA104) cell line. Theil KW, et al. **Avian Dis** 1986 Jan–Mar;30(1):93–104
Antigenic characterization of influenza A (H1N1) viruses recently isolated from pigs and turkeys in France. Aymard M, et al. **Bull WHO** 1985;63(3):537–42
Analysis of structural polypeptides of the lymphoproliferative disease virus (LPDV) of turkeys. Gazit A, et al. **Int J Cancer** 1986 Feb 15;37(2):241–5
Comparison of immune electron microscopy and genome electropherotyping techniques for detection of turkey rotaviruses and rotaviruslike viruses in intestinal contents. Theil KW, et al. **J Clin Microbiol** 1986 Apr;23(4):695–9
Salmonellosis in a wild turkey. Howerth EW. **J Wildl Dis** 1985 Oct;21(4):433–4
Monoclonal antibodies against virus–specific antigens in culture cells infected with herpesvirus of turkeys. Yasuda M, et al. **Nippon Juigaku Zasshi** 1985 Oct;47(5):835–9
Infection and immunity with a virus isolate from turkeys. Winterfield RW, et al. **Poult Sci** 1985 Nov;64(11):2076–80
Serological survey of the incidence of infectious bursal disease serotypes 1 and 2 in chicken and turkey flocks in England. Eddy RK, et al. **Vet Rec** 1985 Oct 19;117(16):415
A possible viral candidate for the aetiology of turkey rhinotracheitis [letter] Giravd P, et al. **Vet Rec** 1986 Jan 18;118(3):81
Mycoplasma iowae from turkey phallus and semen [letter] Shah–Majid M, et al. **Vet Rec** 1986 Apr 12;118(15):435
Ciliostatic agent found in rhinotracheitis [letter] Wilding GP, et al. **Vet Rec** 1986 Jun 28;118(26):735
[Salmonellae in autopsied turkeys in Slovakia 1971–1981] Simko S. **Cesk Epidemiol Mikrobiol Immunol** 1986 Apr; 35(2):96–101 (Eng. Abstr.) (Slo)

PARASITOLOGY

A study of the dynamics of the invasion of immunized birds by Eimeria sporozoites. Augustine PC, et al. **Avian Dis** 1986 Apr–Jun;30(2):347–51
Transmission of Leucocytozoon smithi (Sporozoa: Leucocytozoidae) by black flies (Diptera: Simuliidae) in New York, USA. Kiszewski AE, et al. **J Med Entomol** 1986 May 30;23(3):256–62
Pre–erythrocytic development and associated host responses to Haemoproteus meleagridis (Haemosporina: Haemoproteidae) in experimentally infected domestic turkeys. Atkinson CT, et al. **J Protozool** 1986 Aug; 33(3):375–81
Fatal systemic toxoplasmosis in a wild turkey. Howerth EW, et al. **J Wildl Dis** 1985 Oct;21(4):446–9

PHYSIOLOGY

Pressor responses to central hypertonic NaCl stimulation in conscious turkeys. Lee JC, et al. **Am J Physiol** 1986 Aug; 251(2 Pt 2):R258–63
Neoplasms in the oviducts of turkeys. Beasley JN, et al. **Avian Dis** 1986 Apr–Jun;30(2):433–7
Tracheal mucus transport rate in normal turkeys and in turkeys infected with Bordetella avium (Alcaligenes faecalis). Ficken MD, et al. **Avian Dis** 1986 Jan–Mar; 30(1):154–9
Serotonergic influences on pituitary gland and hypothalamic induction of prolactin and luteinizing hormone release in the young turkey (Meleagris gallopavo). Fehrer SC, et al. **Biol Reprod** 1985 Dec;33(5):1064–72
Rupture pressure of elastic and muscular aortic segments from hypertensive and hypotensive turkeys. Krista LM, et al. **Br Poult Sci** 1986 Jun;27(2):207–13
Relationship of the number of spermatozoa inseminated to fertility of turkey semen stored 6 h at 5 degrees C. Sexton TJ. **Br Poult Sci** 1986 Jun;27(2):237–45
The influence of acute or repeated immobilization on plasma prolactin levels in the turkey (Meleagris gallopavo). el Halawani ME, et al. **Gen Comp Endocrinol** 1985 Sep; 59(3):410–5
Supplemental thyroid hormones and hatchability of turkey eggs. Christensen VL. **Poult Sci** 1985 Nov;64(11):2202–10
Adrenal cortical response of tom poults. Davis GS, et al. **Poult Sci** 1985 Nov;64(11):2189–94
The influence of prolactin on food intake of turkey hens. Denbow DM. **Poult Sci** 1986 Jun;65(6):1197–200
Food and water intake response of turkeys to intracerebroventricular injections of angiotensin II. Denbow DM. **Poult Sci** 1985 Oct;64(10):1996–2000
Photoperiod, diet, and method of feeding on reproduction. Dobrescu O. **Poult Sci** 1986 Mar;65(3):559–64
Effect of plane of nutrition from starting through the breeder period on the reproductive performance of tom turkeys. Ferket PR, et al. **Poult Sci** 1985 Nov;64(11):2110–8
Effect of sperm numbers per insemination following early or late initial inseminations in turkeys. McIntyre DR, et al. **Poult Sci** 1986 Jul;65(7):1400–4
Effect of initial insemination and insemination interval on fertility in turkey hens. McIntyre DR, et al. **Poult Sci** 1985 Aug;64(8):1549–52
Varying fat and protein in diets of growing large white turkeys. Potter LM, et al. **Poult Sci** 1985 Oct;64(10):1941–9
Parthenogenesis in medium white turkeys selected for low and high semen ejaculate volumes. Savage TF, et al. **Poult Sci** 1986 Feb;65(2):401–2
Independent effects of dietary metabolizable energy and protein concentrations on performance and carcass characteristics of Tom turkeys. Sell JL, et al. **Poult Sci** 1985 Aug;64(8):1527–35

TURNER–KIESER SYNDROME see **NAIL–PATELLA SYNDROME**

TURNER'S SYNDROME

Altered fetal growth and development in a patient with Turner's syndrome. Platt LD, et al. **Am J Perinatol** 1986 Jul;3(3):175–7

BLOOD

Lowered plasma albumin concentration in fetal Turner syndrome. Shepard TH, et al. **J Pediatr** 1986 Jan; 108(1):114–6

COMPLICATIONS

Chronic lymphangiectasis in Turner's syndrome. Perry HD, et al. **Br J Ophthalmol** 1986 May;70(5):396–9
Pseudocoarctation of the aortic arch in a patient with Turner's syndrome [letter] Wolf WJ. **Clin Cardiol** 1986 Jan; 9(1):A5, 38
Juvenile rheumatoid arthritis in Turner's syndrome. Balestrazzi P, et al. **Clin Exp Rheumatol** 1986 Jan–Mar; 4(1):61–2
Measurement of body fat in Turner syndrome. Delgado JA, et al. **Clin Genet** 1986 Apr;29(4):291–7
Mosaic Turner's syndrome and pituitary microadenoma. Gáspár L, et al. **Exp Clin Endocrinol** 1985 Aug;86(1):87–92
Upper moiety pelviureteric obstruction in infant with Turner syndrome. Aaronson IA. **Urology** 1986 Feb;27(2):158–9
[Craniostenosis and the Turner syndrome: unusual combination] Bozzola M, et al. **Ann Pediatr (Paris)** 1986 Jan;33(1):64–6 (Eng. Abstr.) (Fre)
[A case of cholangiocarcinoma and dysgerminoma associated with Turner's syndrome] Ishiyama S, et al. **Gan No Rinsho** 1986 Apr;32(4):433–9 (Eng. Abstr.) (Jpn)
[A case of Turner syndrome with renal hypertension: fibromuscular dysplasia in cerebro–renal arteries] Miyake S, et al. **No To Hattatsu** 1985 Sep;17(5):438–42 (Eng. Abstr.) (Jpn)
[Severe hemophilia A in a phenotypically normal female with 45,X/46,Xr(X) mosaicism] Ariyoshi N, et al. **Rinsho Ketsueki** 1985 Nov;26(11):1810–4 (Eng. Abstr.) (Jpn)

DIAGNOSIS

Turner's syndrome. Verco PW, et al. **Australas Radiol** 1986 Feb;30(1):74–5
Unsuspected fetal abnormality. Fetal cystic hygroma associated with Turner's syndrome. Zagoria RJ, et al. **Invest Radiol** 1986 Mar;21(3):282–4
Prenatal diagnosis of trisomy 21 and X/XX sex chromosome mosaicism. McCorquodale MM, et al. **Prenat Diagn** 1985 Jul–Aug;5(4):295–8
[Fertility in the Ullrich–Turner syndrome] Tuschy U, et al. **Zentralbl Gynakol** 1985;107(22):1384–7 (Eng. Abstr.) (Ger)
[Turner's phenotype and diagnosis of Noonan's syndrome] Latini G, et al. **Pediatr Med Chir** 1982 Sep–Oct;4(5):535–8 (Eng. Abstr.) (Ita)
[Presence of the Y chromosome in female patients with Turner's syndrome] Boczkowski K. **Pol Tyg Lek** 1985 Dec 9;40(49):1369–70 (Eng. Abstr.) (Pol)
[Turner's syndrome in the newborn infant. Clinical analysis in 12 patients with karyotype 45,X] Martínez y Martínez R, et al. **Bol Med Hosp Infant Mex** 1986 Jul;43(7):412–6 (Eng. Abstr.) (Spa)

DRUG THERAPY

Treatment of Turner's syndrome with methionyl human growth hormone for six months. Takano K, et al. **Acta Endocrinol (Copenh)** 1986 May;112(1):130–7
Turner syndrome. Brook CG. **Arch Dis Child** 1986 Mar; 61(3):305–9
Growth response relationship between growth hormone dose and short term growth in patients with Turner's syndrome. Ross JL, et al. **J Clin Endocrinol Metab** 1986 Oct; 63(4):1028–30
[Effect of mestranol and chlormadinone acetate on TSH, T4, TBC and FT4 index in Turner syndrome] Rudolf K, et al. **Zentralbl Gynakol** 1986;108(9):551–9 (Eng. Abstr.) (Ger)
[Effect of mestranol and chlormadinone acetate on basal and TRH–stimulated PRL secretion in Turner's syndrome] Rudolf K, et al. **Zentralbl Gynakol** 1985;107(23):1446–53 (Eng. Abstr.) (Ger)
[Effect of mestranol and chlormadinone acetate on basal and GnRH stimulated gonadotropin secretion in Turner's syndrome] Rudolf K, et al. **Zentralbl Gynakol** 1985; 107(23):1437–45 (Eng. Abstr.) (Ger)
[Effect of mestranol and chlormadinone acetate on HGH secretion in Turner's syndrome] Rudolf K, et al. **Zentralbl Gynakol** 1985;107(23):1454–9 (Eng. Abstr.) (Ger)
[Hormonal treatment in Turner's syndrome. Correction of the growth deficit] Zbranca E. **Rev Med Chir Soc Med Nat Iasi** 1984 Jul–Sep;88(3):563–4 (Rum)

EMBRYOLOGY

Perinatal oocyte loss in XO mice and its implications for the aetiology of gonadal dysgenesis in XO women. Burgoyne PS, et al. **J Reprod Fertil** 1985 Nov;75(2):633–45

FAMILIAL & GENETIC

Fetal cystic hygroma and Turner's syndrome. Carr RF, et al. **Am J Dis Child** 1986 Jun;140(6):580–3
Quantitative analysis of sex–chromosome mosaicism with X–Y DNA probes. Disteche CM, et al. **Am J Hum Genet** 1986 May;38(5):751–8
46,X,i(Xq)/47,XX,+13 mosaicism. Igarashi M, et al. **Ann Genet (Paris)** 1985;28(4):241–4
Sex chromosome fragment in a phenotypically normal female. Significance of occult Y–related material. Wilson

DM, et al. **Clin Pediatr (Phila)** 1986 Jan;25(1):36–9
Prune belly appearance in a Turner subject. Savanelli A, et al. **J Med Genet** 1986 Feb;23(1):92–3
Ultrasonography of Turner's syndrome. Shawker TH, et al. **J Ultrasound Med** 1986 Mar;5(3):125–9
A 14-year-old girl with Turner syndrome of complicated karyotype; 45,X/47,XY,+18,–19,+der(19),t(Y;19)(q12;p13.3). Niihira S, et al. **Jinrui Idengaku Zasshi** 1985 Dec;30(4):307–11
Chromosomal sensitivity to X-rays in lymphocytes from patients with Turner syndrome. Heras JG, et al. **Mutat Res** 1986 Mar;160(1):33–8
Turner's syndrome: updating on diagnosis and therapy. De Paepe A, et al. **Prog Clin Biol Res** 1985;200:283–300
[A cytogenetic study of secondary amenorrhea] Gu SY. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Jan;21(1):19–21, 60 (Eng. Abstr.) (Chi)
[A chromosomal study of 864 cases of female genital abnormalities (Turner's syndrome)] Chuang SM, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Dec;84(12):1301–12 (Eng. Abstr.) (Chi)

IMMUNOLOGY

Serologically H-Y antigen-negative XO mice. Wiberg UH, et al. **J Immunogenet** 1985 Feb;12(1):55–63

METABOLISM

Responsiveness of the pituitary to stimulation with arginine, GRH and TRH in patients with Turner's syndrome (karyotype 45, XO). Kunkel S, et al. **Acta Univ Palacki Olomuc Fac Med** 1981;101:84–9
[Circadian rhythm of growth hormone secretion in Turner's syndrome] Waiko R, et al. **Endokrynol Pol** 1985;36(1):9–17 (Eng. Abstr.) (Pol)

MORTALITY

Mortality ratios, life expectancy, and causes of death in patients with Turner's syndrome. Price WH, et al. **J Epidemiol Community Health** 1986 Jun;40(2):97–102

PATHOLOGY

Body proportions in Turner's syndrome. Hughes PC, et al. **Arch Dis Child** 1986 May;61(5):506–7
Oro-maxillofacial development in patients with Turner's syndrome. Ogiuchi H, et al. **Endocrinol Jpn** 1985 Dec; 32(6):881–90
Craniofacial morphology in Turner syndrome. Jensen BL. **J Craniofac Genet Dev Biol** 1985;5(4):327–40
Palatal dimensions in 45,X-females. Laine T, et al. **J Craniofac Genet Dev Biol** 1985;5(3):239–46
Aortic dilation in Turner syndrome. Allen DB, et al. **J Pediatr** 1986 Aug;109(2):302–5
[Neuropathology of the Turner syndrome] Della Giustina E, et al. **Pediatr Med Chir** 1985 Jan–Feb;7(1):49–55 (Eng. Abstr.) (Ita)

PHYSIOPATHOLOGY

Electroencephalographic examination of 64 Danish Turner girls. Tsuboi T, et al. **Acta Neurol Scand** 1985 Dec; 72(6):590–601
Growth curve for girls with Turner syndrome. Lyon AJ, et al. **Arch Dis Child** 1985 Oct;60(10):932–5
Growth hormone in Turner syndrome [letter] Lippe BM, et al. **J Pediatr** 1985 Oct;107(4):642
Pubertal growth: physiology and pathophysiology. Cutler GB Jr, et al. **Recent Prog Horm Res** 1986;42:443–70 (67 ref.)

PSYCHOLOGY

Psychosocial adjustment of adult women with Turner syndrome. McCauley E, et al. **Clin Genet** 1986 Apr; 29(4):284–90
The neuropsychological phenotype in Turner syndrome. Pennington BF, et al. **Cortex** 1985 Sep;21(3):391–404
Cognitive abilities of adolescent Turner's syndrome patients. LaHood BJ, et al. **J Adolesc Health Care** 1985 Sep; 6(5):358–64
Psychosocial functioning in girls with Turner's syndrome and short stature: social skills, behavior problems, and self-concept. McCauley E, et al. **J Am Acad Child Psychiatry** 1986 Jan;25(1):105–12
[Mental disorders in women with ovarian dysgenesis] Raboch J Jr, et al. **Cesk Psychiatr** 1985 Dec;81(6):397–402 (Eng. Abstr.) (Cze)
[Self concept of females without gonadal function. Turner syndrome, panhypopituitarism, premature climacteric] Jürgensen O, et al. **Gynakologe** 1986 Mar;19(1):42–6 (Ger)

RADIOGRAPHY

[Skeletal changes in congenital dysgenesis of the ovary (a report of 10 cases)] Lang ZJ. **Chung Hua Fang She Hsueh Tsa Chih** 1985 Aug; 19(4):229–31 (Eng. Abstr.) (Chi)

URINE

Urinary hydroxylysine and hydroxylysyl glycosides excretion in patients with Turner's syndrome. Larizza D, et al. **Horm Metab Res** 1985 Aug;17(8):432–3

TURNER'S SYNDROME, MALE see **NOONAN SYNDROME**

TURPENTINE

ADVERSE EFFECTS

Allergy to oil of turpentine in Portugal. Cachão P, et al. **Contact Dermatitis** 1986 Apr;14(4):205–8
Turpentine sensitization. Romaguera C, et al. **Contact Dermatitis** 1986 Mar;14(3):197

PHARMACODYNAMICS

Acute phase mediators and glucocorticoids elevate alpha 1-acid glycoprotein gene transcription. Kulkarni AB, et al. **J Biol Chem** 1985 Dec 15;260(29):15386–9
Transcortin and alpha 2u-globulin messenger RNA activities during turpentine-induced inflammation in the rat. Faict D, et al. **J Steroid Biochem** 1985 Sep;23(3):243–6
Further studies of the mechanism of counter irritation by turpentine. Damas J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Feb; 332(2):196–200
[The influence in the rat of counter-irritation by turpentine on the leukocyte content of exudates induced by sponge implants] Deflandre E, et al. **J Pharmacol** 1986 Apr–Jun; 17(2):155–62 (Eng. Abstr.) (Fre)

TOXICITY

Effect of serum proteins from normal and turpentine-treated rats on prostaglandin synthesis by peritoneal cells. Damas J, et al. **Arch Int Pharmacodyn Ther** 1985 Dec;278(2):215–23
Modulation of alpha 2-acute phase globulin serum concentration in turpentine- and immune complex-challenged rats by dexamethasone and adrenaline: evidence for a synergistic mode of action. Göhler K, et al. **Biomed Biochim Acta** 1986;45(5):661–72

TURTLES

Cloacoscopy in reptiles. Coppoolse KJ, et al. **Vet Q** 1985 Jul;7(3):243–5
Rhinitis in long term captive Mediterranean tortoises (Testudo graeca and T hermanii). Lawrence K, et al. **Vet Rec** 1985 Dec 21–28;117(25–26):662–4
Clinical and pathological findings related to malnutrition and husbandry in captive giant tortoises (Geochelone species). Samour JH, et al. **Vet Rec** 1986 Mar 15;118(11):299–302
[Comparison between the chemical constituents of tortoise plastron and tortoise shell] Zhang YM. **Chung Yao Tung Pao** 1984 Sep;9(5):12–3 (Chi)
[Postradiation recovery of hematopoiesis in mice administered cell-free tissue extracts from the central Asiatic turtle] Turdyev AA, et al. **Radiobiologiia** 1985 Sep–Oct;25(5):665–9 (Eng. Abstr.) (Rus)

ANATOMY & HISTOLOGY

Identification of the bicarbonate secretory cell of the turtle bladder. Fritsche C, et al. **Am J Physiol** 1985 Dec;249(6 Pt 2):F858–62
Alpha and beta types of carbonic anhydrase-rich cells in turtle bladder. Stetson DL, et al. **Am J Physiol** 1985 Oct; 249(4 Pt 2):F553–65
Light and electron microscopic immunocytochemistry of the pituitary gland of the tortoise. Mikami S, et al. **Arch Histol Jpn** 1985 Oct;48(4):373–88
Comparison of olfactory bulb projections in pigeons and turtles. Reiner A, et al. **Brain Behav Evol** 1985;27(1):11–27
Quantitative morphological study of the outer nuclear layer in the turtle retina. Kouyama N, et al. **Brain Res** 1985 Oct 14;345(1):200–3
Projections from the cochlear nuclear complex to rhombencephalic auditory centers and torus semicircularis in the turtle. Künzle H. **Brain Res** 1986 Aug 6;379(2):307–19
Synaptic contacts between red-sensitive cones and triphasic chromaticity horizontal cells in the turtle retina. Ohtsuka T, et al. **Brain Res** 1985 Nov 4;346(2):374–7
Seasonal changes in the thymus and spleen of the turtle, Mauremys caspica. A morphometrical, light microscopical study. Leceta J, et al. **Dev Comp Immunol** 1985 Fall; 9(4):653–68 (59 ref.)
An immunocytochemical and ultrastructural study of the endocrine pancreas of Pseudemys scripta elegans (Chelonia). Agulleiro B, et al. **Gen Comp Endocrinol** 1985 Oct;60(1):95–103
The morphology of the kidney of the green turtle (Chelonia mydas L.). Solomon SE. **J Anat** 1985 May;140 (Pt 3):355–69
Marine turtle middle-ear anatomy. Lenhardt ML, et al. **J Aud Res** 1985 Jan;25(1):66–72
Ultrastructural features of the ventromedial region of the laminar nucleus in the red-eared turtle (Chrysemys scripta elegans). Drakontides AB, et al. **J Comp Neurol** 1986 Jun 22;248(4):555–72
Electron microscopic study of synaptic contacts between photoreceptors and HRP-filled horizontal cells in the turtle retina. Ohtsuka T, et al. **J Comp Neurol** 1986 Aug 8; 250(2):141–56
Dendrite distribution of identified motoneurons in the lumbar spinal cord of the turtle Pseudemys scripta elegans. Ruigrok TJ, et al. **J Comp Neurol** 1985 Aug 15;238(3):275–85
Morphology of retinogeniculate terminals in the turtle, Pseudemys scripta elegans. Sjöström AM, et al. **J Comp Neurol** 1985 Aug 1;238(1):107–20
Organization of motor pools supplying the cervical musculature in a cryptodyran turtle, Pseudemys scripta elegans. I. Dorsal and ventral motor nuclei of the cervical spinal cord and muscles supplied by a single motor nucleus. Yeow MB, et al. **J Comp Neurol** 1986 Jan 8;243(2):145–65
Organization of motor pools supplying the cervical musculature in a cryptodyran turtle, Pseudemys scripta elegans. II. Medial motor nucleus and muscles supplied by two motor nuclei. Yeow MB, et al. **J Comp Neurol** 1986 Jan 8;243(2):166–81
Morphology and histochemistry of the ambiens muscle of the red-eared turtle (Pseudemys scripta). Hermanson JW, et al. **J Morphol** 1986 Jan;187(1):39–49
Contacts between basal processes of visual cones in the outer plexiform layer of the ocular sensory tunic in turtles. Davydova TV. **Neurosci Behav Physiol** 1986 Jan–Feb; 16(1):6–11
[Morphologic features of the adaptation of vessels of the renal glomerular complex of Testudo horsfeldi Gr. and Columba livia] Valishin ES. **Arkh Anat Gistol Embriol** 1985 Dec; 89(12):60–7 (Eng. Abstr.) (Rus)
[Study of cerebellar connections in the turtle using the technic of axonal transport of horseradish peroxidase] Belekhova MG, et al. **Neirofiziologiia** 1985;17(6):786–94 (Eng. Abstr.) (Rus)

BLOOD

Seasonal variations in haematological data from Mediterranean tortoises (Testudo graeca and Testudo hermanni) in captivity. Lawrence K, et al. **Res Vet Sci** 1986 Mar;40(2):225–30
Use of carbenicillin in two species of tortoise (Testudo graeca and T hermanni). Lawrence K, et al. **Res Vet Sci** 1986 May;40(3):413–5
Influence of temperature on the CO2 dissociation curve of the turtle Pseudemys scripta. Weinstein Y, et al. **Respir Physiol** 1986 Jan;63(1):53–63

CLASSIFICATION

The name of the red-eared slider: herpetologists in slow ferment [letter] Banquer KJ. **JAMA** 1986 Feb 14;255(6):748

EMBRYOLOGY

Epiplexus cells in the embryos of the turtle, Trionyx sinensis. Ling EA, et al. **Arch Histol Jpn** 1985 Oct;48(4):355–61
Temperature dependent sex determination in the olive ridley turtle. Mohanty-Hejmadi P, et al. **Prog Clin Biol Res** 1986; 217A:159–62

IMMUNOLOGY

Cell-mediated immune response of Chelonia mydas. McKinney EC, et al. **Dev Comp Immunol** 1985 Summer; 9(3):445–52
Light and electron microscopy of S-antigen- and opsin-immunoreactive photoreceptors in the retina of turtle, chicken, and hedgehog. van Veen T, et al. **Exp Biol** 1986;45(1):1–14
Seasonal variations in the immune response of the tortoise Mauremys caspica. Leceta J, et al. **Immunology** 1986 Mar; 57(3):483–7

METABOLISM

Effect of relative shell size in turtles on water and electrolyte composition. Dunson WA, et al. **Am J Physiol** 1986 Jun; 250(6 Pt 2):R1133–7
Single potassium channels blocked by lidocaine and quinidine in isolated turtle colon epithelial cells. Richards NW, et al. **Am J Physiol** 1986 Jul;251(1 Pt 1):C85–9
The co-occurrence of substance P-like immunoreactivity and dynorphin-like immunoreactivity in striatopallidal and striatonigral projection neurons in birds and reptiles. Reiner A. **Brain Res** 1986 Apr 16;371(1):155–61
Kainic acid-induced release of serotonin from OFF-bipolar cells in the turtle retina. Weiler R, et al. **Brain Res** 1985 Dec 23;360(1–2):379–83
The distribution of cholecystokinin-8 in the central nervous system of turtles: an immunohistochemical and biochemical study. Reiner A, et al. **Brain Res Bull** 1985 Aug; 15(2):167–81
Isolation and properties of sea turtle (Chelonia mydas) pituitary prolactin. Chang YS, et al. **Gen Comp Endocrinol** 1985 Dec;60(3):372–9
Specific uptake, dissociation, and degradation of 125I-labeled insulin in isolated turtle (Chrysemys dorbigni) thyroid glands. Marques M, et al. **Gen Comp Endocrinol** 1985 Nov; 60(2):306–14
Cytoplasmic progesterone receptors in uterine tissue of the snapping turtle (Chelydra serpentina). Mahmoud IY, et al. **J Endocrinol** 1986 Jun;109(3):385–92
Characterization of the insulin-binding sites in turtle thyroid microsomes. Turyn D, et al. **J Endocrinol** 1986 Jan; 108(1):157–62

MICROBIOLOGY

Salmonellae and salmonellosis in captive reptiles. Onderka DK, et al. **Can J Comp Med** 1985 Jul;49(3):268–70
Herpesvirus-like infection in Argentine tortoises. Jacobson

ER, et al. **J Am Vet Med Assoc** 1985 Dec 1;187(11):1227–9
Salmonella in turtles imported to Israel from Louisiana [letter] Chassis G, et al. **JAMA** 1986 Aug 22–29;256(8):1003
A comparison between Dactylaria gallopava and Scolecobasidium humicola: first report of an infection in a tortoise caused by S. humicola. Weitzman I, et al. **Sabouraudia** 1985 Aug;23(4):287–93
[Characteristics of Salmonellae present in turtles in Poland and their enterotoxins. II. Partial purification of enterotoxins produced by Salmonella newport No. 6] Peconek J. **Przegl Epidemiol** 1985;39(3–4):309–19 (Eng. Abstr.) (Pol)

PARASITOLOGY

Histopathology of infections by Learedius learedi Price, 1934 and Neospirorchis schistosomatoides Price, 1934 (Digenea: Spirorchiidae) in wild green turtles, Chelonia mydas L., from Bermuda. Rand TG, et al. **J Wildl Dis** 1985 Oct; 21(4):461–3
Haemogregarine infection in long term captive Mediterranean tortoises. Lawrence K, et al. **Vet Rec** 1985 Aug 10;117(6):129–30

PHYSIOLOGY

The role of imidazole ionization in the control of breathing. Burton RF. **Comp Biochem Physiol [A]** 1986;83(2):333–6
Effect of hypophysectomy on plasma electrolytes and adrenal mineralocorticoid secretion in the terrestrial chelonian Testudo hermanni. Vallarino M, et al. **Comp Biochem Physiol [A]** 1985;81(2):283–6
LH secretion in response to gonadotropin releasing hormone (GnRH) by superfused pituitaries from two species of turtles. Licht P, et al. **Gen Comp Endocrinol** 1985 Sep; 59(3):442–8
In vivo and in vitro responses to gonadotropin releasing hormone in the turtle, Chrysemys picta, in relation to sex and reproductive stage. Licht P, et al. **Gen Comp Endocrinol** 1985 Oct;60(1):75–85
Effects of gonadectomy and steroid treatment on plasma gonadotropins and the response of superfused pituitaries to gonadotropin-releasing hormone in the turtle Sternotherus odoratus. Licht P, et al. **Gen Comp Endocrinol** 1985 Dec;60(3):441–9
Electrical resonance and membrane currents in turtle cochlear hair cells. Art JJ, et al. **Hear Res** 1986;22:31–6
A triphasic ventilator for reptiles. Hasan Z. **J Exp Biol** 1986 Jul;123:441–5
Partitioning of body fluids and cardiovascular responses to circulatory hypovolaemia in the turtle, Pseudemys scripta elegans. Smits AW, et al. **J Exp Biol** 1985 May;116:237–50
Photothermal effects on the testicular cycle in the musk turtle, Sternotherus odoratus. Mendonça MT, et al. **J Exp Zool** 1986 Jul;239(1):117–30
Dynamics of turtle horizontal cell response. Chappell RL, et al. **J Gen Physiol** 1985 Sep;86(3):423–53
Neurotransmitter inputs to directionally sensitive turtle retinal ganglion cells. Ariel M, et al. **J Neurophysiol** 1985 Nov;54(5):1123–43
Cellular physiology of the turtle visual cortex: distinctive properties of pyramidal and stellate neurons. Connors BW, et al. **J Neurosci** 1986 Jan;6(1):164–77
Cellular physiology of the turtle visual cortex: synaptic properties and intrinsic circuitry. Kriegstein AR, et al. **J Neurosci** 1986 Jan;6(1):178–91
Modulation by applied electric fields of Purkinje and stellate cell activity in the isolated turtle cerebellum. Chan CY, et al. **J Physiol (Lond)** 1986 Feb;371:89–114
The absence of spread of adaptation between rod photoreceptors in turtle retina. Copenhagen DR, et al. **J Physiol (Lond)** 1985 Dec;369:161–81
Effects of gamma-aminobutyric acid on isolated cone photoreceptors of the turtle retina. Kaneko A, et al. **J Physiol (Lond)** 1986 Apr;373:443–61
Blocking effects of cobalt and related ions on the gamma-aminobutyric acid-induced current in turtle retinal cones. Kaneko A, et al. **J Physiol (Lond)** 1986 Apr; 373:463–79
An underestimated visual pathway in reptiles. Belekhova MG. **Neurosci Lett** 1985 Jul 4;58(1):111–6
The gastro-entero-pancreatic system of the turtle, Chrysemys picta. Gapp DA, et al. **Peptides** 1985;6 Suppl 3:347–52
Postsynaptic potentials of bulbar respiratory neurons of the turtle. Takeda R, et al. **Respir Physiol** 1986 May; 64(2):149–60
Hibernating tortoises [letter] Harper R. **Vet Rec** 1986 Apr 5;118(14):408
Chelonian hibernation [letter] Jackson OF. **Vet Rec** 1985 Oct 26;117(17):451
Chelonia hibernation warning [letter] Samour J. **Vet Rec** 1985 Sep 14;117(11):290
Temporal transfer and nonlinearity properties of turtle ERG: tuning by temperature, pharmacology, and light intensity. Adolph AR. **Vision Res** 1985;25(4):483–92
Chromatic and spatial information processing by red cones and L-type horizontal cells in the turtle retina. Perlman I, et al. **Vision Res** 1985;25(4):543–9
[Features of the dynamics of the forebrain EEG of Emys orbicularis during the solving of an extrapolation problem] Semiokhina AF, et al. **Zh Vyssh Nerv Deiat** 1985 Nov–Dec; 35(6):1110–7 (Eng. Abstr.) (Rus)

URINE

A double-membrane model for urinary bicarbonate secretion. Stetson DL, et al. **Am J Physiol** 1985 Oct;249(4 Pt 2):F546–52

TWEENS see **POLYSORBATES**

TWENTY-FOUR HOUR RHYTHM see **CIRCADIAN RHYTHM**

TWIN TRANSFUSION SYNDROME see **FETOFETAL TRANSFUSION**

TWINS

see related
DISEASES IN TWINS

Estimation of zinc and other trace elements in the nails of Hungarian adult twin pairs by neutron activation analysis. Forrai G, et al. **Acta Biochim Biophys Acad Sci Hung** 1984; 19(3–4):299–304
Twin research. **Acta Genet Med Gemellol (Roma)** 1986; 35(1–2):3–118
Zygosity partitioning of small twin samples. Allen G, et al. **Acta Genet Med Gemellol (Roma)** 1985;34(3–4):167–74
A study of multiple biological markers in twins. Anton-Guirgis H, et al. **Acta Genet Med Gemellol (Roma)** 1985;34(3–4):153–65
Disturbed intrauterine growth in twins: etiological aspects. Björo K Jr, et al. **Acta Genet Med Gemellol (Roma)** 1985; 34(1–2):73–9
Language disabilities in three twin pairs and their relatives. Borges-Osório MR, et al. **Acta Genet Med Gemellol (Roma)** 1985;34(1–2):95–100
The death of a newborn twin: how can support for parents be improved? Bryan EM. **Acta Genet Med Gemellol (Roma)** 1986;35(1–2):115–8
Do breech presentations in twins and singletons run different risks? Buekens P, et al. **Acta Genet Med Gemellol (Roma)** 1985;34(3–4):207–11
Cardiac output in twin pregnancy. Campbell DM, et al. **Acta Genet Med Gemellol (Roma)** 1985;34(3–4):225–8
Arterial blood pressure—the pattern of change in twin pregnancies. Campbell DM, et al. **Acta Genet Med Gemellol (Roma)** 1985;34(3–4):217–23
Fetal alcohol syndrome in twin pregnancy. Chasnoff IJ. **Acta Genet Med Gemellol (Roma)** 1985;34(3–4):229–32
Possible linkage relationship between genetic markers and blood magnesium and zinc. A twin study. Darlu P, et al. **Acta Genet Med Gemellol (Roma)** 1985;34(1–2):109–12
The secular trend of twinning in Australia, 1853–1982. Doherty JD, et al. **Acta Genet Med Gemellol (Roma)** 1986; 35(1–2):61–76
Resting metabolic rate in monozygotic and dizygotic twins. Fontaine E, et al. **Acta Genet Med Gemellol (Roma)** 1985; 34(1–2):41–7
Gregor Mendel and twins. Gedda L, et al. **Acta Genet Med Gemellol (Roma)** 1985;34(3–4):121–4
Possible mechanism of the heredity of twinning. Gedda L, et al. **Acta Genet Med Gemellol (Roma)** 1986;35(1–2):3–5
Umbilical waveforms in twin pregnancy. Giles WB, et al. **Acta Genet Med Gemellol (Roma)** 1985;34(3–4):233–7
Prune belly syndrome and heart defect in one of monozygotic twins, following exposure to Tigan and Bendectin. Greene C, et al. **Acta Genet Med Gemellol (Roma)** 1985; 34(1–2):101–4
Twin pregnancies: an 11-year review. Grothe W, et al. **Acta Genet Med Gemellol (Roma)** 1985;34(1–2):49–58
Is routine hospitalization in twin pregnancy necessary? A follow-up study. Hartikainen-Sorri AL. **Acta Genet Med Gemellol (Roma)** 1985;34(3–4):189–92
TWINAN: twin data analysis program for microcomputers. Kang KW. **Acta Genet Med Gemellol (Roma)** 1985; 34(1–2):113–4
Human placental lactogen and dU-estrogen levels in normal twin pregnancies. Kappel B, et al. **Acta Genet Med Gemellol (Roma)** 1985;34(1–2):59–65
Bed rest in twin pregnancy. Kappel B, et al. **Acta Genet Med Gemellol (Roma)** 1985;34(1–2):67–71
Differential enrollment in twin registries: its effect on prevalence and concordance rates and estimates of genetic parameters. Kendler KS, et al. **Acta Genet Med Gemellol (Roma)** 1985;34(3–4):125–40
The offspring of twins as sampling units in pedigree analysis of congenital anomalies. Kramer AA, et al. **Acta Genet Med Gemellol (Roma)** 1986;35(1–2):35–48
Discordant monozygotic twins with trisomy 13. Loevy HT, et al. **Acta Genet Med Gemellol (Roma)** 1985;34(3–4):185–8
Monoamniotic twin pregnancy. Lumme RH, et al. **Acta Genet Med Gemellol (Roma)** 1986;35(1–2):99–105
Twin studies in craniofacial genetics: a review. Nakata M. **Acta Genet Med Gemellol (Roma)** 1985;34(1–2):1–14 (117 ref.)
Management in second stage of labour in term twin delivery. Olofsson P, et al. **Acta Genet Med Gemellol (Roma)** 1985; 34(3–4):213–6
An assessment of perinatal mortality in twin pregnancies in Dundee. Osbourne GK, et al. **Acta Genet Med Gemellol (Roma)** 1985;34(3–4):193–9
A low rate of perinatal deaths for twin births. Papiernik E, et al. **Acta Genet Med Gemellol (Roma)** 1985;34(3–4):201–6
Twins with acardia and anencephaly. Pavone L, et al. **Acta Genet Med Gemellol (Roma)** 1985;34(1–2):89–93
Acute polyhydramnios complicating twin pregnancies. Schneider KT, et al. **Acta Genet Med Gemellol (Roma)** 1985;34(3–4):179–84
Premature contractions: are they caused by maternal standing? Schneider KT, et al. **Acta Genet Med Gemellol (Roma)** 1985;34(3–4):175–8
Heritability estimation from concordant twin pairs alone. Sofaer JA, et al. **Acta Genet Med Gemellol (Roma)** 1986; 35(1–2):49–60
Cotwin closeness in monozygotic and dizygotic twins: a biasing factor in IQ heritability analysis? Tambs K, et al. **Acta Genet Med Gemellol (Roma)** 1985;34(1–2):33–9
A study of the influence of ovulation stimulants and oral contraception on twin births in England. Webster F, et al. **Acta Genet Med Gemellol (Roma)** 1985;34(1–2):105–8
NOR variability in twins. Weltens R, et al. **Acta Genet Med Gemellol (Roma)** 1985;34(3–4):141–51
Twins discordant for vater association. Obstructed labor of the second twin due to ascites and persistent cloaca without communication to the exterior. Knudtzon J, et al. **Acta Obstet Gynecol Scand** 1986;65(2):185–6
Sneezy twins. Forrai G, et al. **Acta Paediatr Hung** 1985; 26(4):323–6
Genotype-controlled changes in body composition and fat morphology following overfeeding in twins. Poehlman ET, et al. **Am J Clin Nutr** 1986 May;43(5):723–31
Monozygotic twins discordant for the acquired immunodeficiency syndrome. Menez-Bautista R, et al. **Am J Dis Child** 1986 Jul;140(7):678–9
Overripe ova and twinning. Harlap S, et al. **Am J Hum Genet** 1985 Nov;37(6):1206–15
The "vanishing twin": ultrasonographic assesment of fetal disappearance in the first trimester. Landy HJ, et al. **Am J Obstet Gynecol** 1986 Jul;155(1):14–9
Twin delivery: how should the second twin be delivered? Olofsson P, et al. **Am J Obstet Gynecol** 1985 Nov 1; 153(5):479–81
Serial biparietal diameter and femur length measurements in twin gestations. Gilstrap LC 3d, et al. **Am J Perinatol** 1986 Jul;3(3):183–6
Comparative genetic variance and heritability of dental occlusal variables in U.S. and Northwest Indian twins. Corruccini RS, et al. **Am J Phys Anthropol** 1986 Jul; 70(3):293–9
Testing for the presence of genetic variance in factors of face measurements of Belgian twins. Hauspie RC, et al. **Ann Hum Biol** 1985 Sep-Oct;12(5):429–40
Dizygotic twinning, birth weight and latitude. James WH. **Ann Hum Biol** 1985 Sep-Oct;12(5):441–7
Twinning rates in Fiji. Pollard R. **Ann Hum Genet** 1985 Jan; 49 (Pt 1):65–73
Parkinson's disease in monozygotic twins. Jankovic J, et al. **Ann Neurol** 1986 Apr;19(4):405–8
Monozygotic twins with Parkinson's disease. Koller W, et al. **Ann Neurol** 1986 Apr;19(4):402–5
Quantitative hematological characteristics in MZ and DZ twins. Bergman P, et al. **Anthropol Anz** 1986 Mar; 44(1):77–85
Congenital malalignment of great toenails in two sets of monozygotic twins [letter] Barth JH, et al. **Arch Dermatol** 1986 Apr;122(4):379–80
Wiedemann-Beckwith syndrome in one of monozygotic twins. Bose B, et al. **Arch Dis Child** 1985 Dec;60(12):1191–2
The surviving monozygotic twin. Szymonowicz W, et al. **Arch Dis Child** 1986 May;61(5):454–8
Ankylosis in monozygotic twins. Helpin ML, et al. **ASDC J Dent Child** 1986 Mar-Apr;53(2):135–9
The growth and development of twins compared with singletons at ages 9 and 11. Silva PA, et al. **Aust Paediatr J** 1985 Nov;21(4):265–7
Multiple regression analysis of twin data. DeFries JC, et al. **Behav Genet** 1985 Sep;15(5):467–73
Heredity, environment, and the Thurstone Temperament Schedule. Loehlin JC. **Behav Genet** 1986 Jan;16(1):61–73
A twin study of ethanol metabolism. Martin NG, et al. **Behav Genet** 1985 Mar;15(2):93–109
Twins, families, and the psychology of individual differences: the legacy of Steven G. Vandenberg. Zonderman AB. **Behav Genet** 1986 Jan;16(1):11–24
The development of lichen sclerosus et atrophicus in monozygotic twin girls. Meyrick Thomas RH, et al. **Br J Dermatol** 1986 Mar;114(3):377–9
The value of height records in orthodontics—a case report. Hathorn IS. **Br J Orthod** 1986 Apr;13(2):119–23
Late-onset folie simultanée in a pair of monozygotic twins. Kendler KS, et al. **Br J Psychiatry** 1986 Apr;148:463–5
Immune changes associated with insulin dependent diabetes may remit without causing the disease: a study in identical twins. Millward BA, et al. **Br Med J [Clin Res]** 1986 Mar 22;292(6523):793–6
Assessment of peri-neonatal mortality and morbidity risk in twin pregnancy. Guaschino S, et al. **Clin Exp Obstet Gynecol** 1986;13(1–2):18–25
Prenatal testing and twinning [letter] Flannery DB, et al. **Clin Genet** 1985 Aug;28(2):180–2
The development of a New Zealand twin register. Findlay J, et al. **Community Health Stud** 1986;10(2):181–8
A twin study of structural chromosome aberrations in lymphocytes. Hedner K, et al. **Cytogenet Cell Genet** 1986; 41(1):58–9
Tobramycin pharmacokinetics in premature identical twins

during newborn period. Nahata MC, et al. **Dev Pharmacol Ther** 1986;9(3):178–82
No significant difference in birth weight for offspring of birth weight discordant monozygotic female twins. Magnus P, et al. **Early Hum Dev** 1985 Oct;12(1):55–9
A two and a half year review of some aspects of twin delivery at the Kenyatta National Hospital. Oyieke JB. **East Afr Med J** 1985 Nov;62(11):802–6
The 4–5 cycles per second rhythm—changes in time. Heintel H, et al. **Eur Arch Psychiatry Neurol Sci** 1986; 235(5):299–300
Genetic basis of dental occlusal variations in northwest Indian twins. Sharma K, et al. **Eur J Orthod** 1986 May; 8(2):91–7
A study of some immunological variables in twins, discordant for multiple sclerosis. Heltberg A, et al. **Eur Neurol** 1985; 24(6):361–73
The development of twin fetuses. Kurlej W. **Folia Morphol (Warsz)** 1985;44(1):54–9
Testing for developmental changes in gene expression on resemblance for quantitative traits in kinships of twins: application to height, weight, and blood pressure. Corey LA, et al. **Genet Epidemiol** 1986;3(2):73–83
Genetic and environmental causes of variation in renal tubular handling of sodium and potassium: a twin study. Whitfield JB, et al. **Genet Epidemiol** 1985;2(1):17–27
Genetic and environmental influences on the size and number of cells in the blood. Whitfield JB, et al. **Genet Epidemiol** 1985;2(2):133–44
Two cases of dizygotic twins with androgenetic mole and normal conceptus. Ohama K, et al. **Hiroshima J Med Sci** 1985 Dec;34(4):371–5
Within- and between-zygosity variance in oral traits among US and Punjabi twins. Corruccini RS, et al. **Hum Hered** 1985;35(5):314–8
Interhemispheric asymmetry on the electroencephalogram of twins. Meshkova TA. **Hum Physiol** 1985 Jul–Aug; 11(4):254–60
Antepartum diagnosis of monoamniotic twin pregnancy. Brzezinski A, et al. **Int J Gynaecol Obstet** 1985 Sep; 23(4):335–7
Genetic factors and fetal growth sex constitution and birthweight in twins. Pilić Z, et al. **Int J Gynaecol Obstet** 1985 Oct;23(5):421–5
Infantile spasms syndrome in monozygotic twins. A 7-year follow-up. Pavone L, et al. **Ital J Neurol Sci** 1985 Dec; 6(4):503–6
Trachea and lung dimensions in nonsmoking twins: morphological and functional studies. Kawakami Y, et al. **J Appl Physiol** 1986 Aug;61(2):495–9
Slipped capital femoral epiphyses in identical twins. Gajraj HA. **J Bone Joint Surg [Br]** 1986 Aug;68(4):653–4
Plasma cholesterol response to a change in dietary fat intake: a collaborative twin study. Rona RJ, et al. **J Chronic Dis** 1985;38(11):927–34
Identical twins concordant for Crohn's disease. Sirlin SM, et al. **J Clin Gastroenterol** 1986 Jun;8(3 Pt 1):290–4
Similarity of monozygotic and dizygotic twins in level and lability of subclinically depressed mood. Wierzbicki M. **J Clin Psychol** 1986 Jul;42(4):577–85
Genetic variance in dental dimensions of Punjabi twins. Sharma K, et al. **J Dent Res** 1985 Dec;64(12):1389–91
MZ or DZ? Not even their hairdresser knows for sure [letter] Segal NL. **J Forensic Sci** 1986 Jan;31(1):10–1
Characterization of antigen-specific T cells in multiple sclerosis twins with elevated proliferative responses to measles virus. Greenstein JI, et al. **J Immunol** 1986 Jul 15;137(2):546–50
Identical twins and in vitro fertilization. Edwards RG, et al. **J In Vitro Fert Embryo Transfer** 1986 Apr;3(2):114–7
Zygosity determination in newborn twins using DNA variants. Derom C, et al. **J Med Genet** 1985 Aug; 22(4):279–82
Disparate responses of lymphocyte clones to cells of monozygotic twins discordant for multiple sclerosis. Birnbaum G, et al. **J Neuroimmunol** 1986 May;11(3):237–43
Concordant cerebral oligodendroglioma in identical twins. Roelvink NC, et al. **J Neurol Neurosurg Psychiatry** 1986 Jun;49(6):706–8
Pulmonary hydrogen and methane excretion following ingestion of an unabsorbable carbohydrate: a study of twins. Flatz G, et al. **J Pediatr Gastroenterol Nutr** 1985 Dec; 4(6):936–41
Congenital nystagmus in identical twins: discordant features. Spooner SN, et al. **J Pediatr Ophthalmol Strabismus** 1986 May–Jun;23(3):115–9
Unilateral posterior dislocation of the radial head in identical twins. Gattey PH, et al. **J Pediatr Orthop** 1986 Mar–Apr; 6(2):220–1
Non-identicality of monozygous twins. Kothari ML, et al. **J Postgrad Med** 1985 Jan;31(1):1–4
Concentrations of monoamine metabolites in the cerebrospinal fluid of twins and unrelated individuals—a genetic study. Oxenstierna G, et al. **J Psychiatr Res** 1986; 20(1):19–29
Clinical findings and ancillary studies on identical twins exposed to diethylstilbestrol in utero. A case report. Harper RH, et al. **J Reprod Med** 1986 Mar;31(3):217–8
Discordance for ankylosing spondylitis in a B27 negative monozygotic twin. Wojtys E, et al. **J Rheumatol** 1986 Feb; 13(1):205–7
The relation of twin infanticide to status of women, societal aggression, and material well-being. Lester D. **J Soc Psychol** 1986 Feb;126(1):57–9
Identical-twin (syngeneic) marrow transplantation for hematologic cancers. Fefer A, et al. **JNCI** 1986 Jun; 76(6):1269–73
Use of minisatellite DNA probes for determination of twin zygosity at birth. Hill AV, et al. **Lancet** 1985 Dec 21–28; 2(8469–70):1394–5
Probability of monozygotic twinning as a reflection of the genetic control of cell development. Berkovich SY, et al. **Mech Ageing Dev** 1985 Jul–Aug;31(2):147–54
The Australian NHMRC Twin Registry. A resource for the Australian scientific community [editorial] Clifford CA, et al. **Med J Aust** 1986 Jul 21;145(2):63–5
Frequency of dizygotic twinning [letter] Atkinson DE. **Nature** 1986 Aug 28–Sep 3;322(6082):780
Testis size and dizygotic twins [letter] Willatt LR, et al. **Nature** 1986 Jun 12–18;321(6071):658
A case-control study of twin pairs discordant for Parkinson's disease: a search for environmental risk factors. Bharucha NE, et al. **Neurology** 1986 Feb;36(2):284–8
Myasthenia gravis in identical twins. Murphy J, et al. **Neurology** 1986 Jan;36(1):78–80
Gilles de la Tourette's syndrome: tics and central nervous system stimulants in twins and nontwins. Price RA, et al. **Neurology** 1986 Feb;36(2):232–7
Parathyroid hormone, 1,25-dihydroxyvitamin D3 and calcitonin in women breast-feeding twins. **Nutr Rev** 1985 Oct;43(10):300–1 (7 ref.)
Fetal biophysical profile in twin gestations. Lodeiro JG, et al. **Obstet Gynecol** 1986 Jun;67(6):824–7
Intravenous glucose tolerance tests in women with twin pregnancy. Naidoo L, et al. **Obstet Gynecol** 1985 Oct; 66(4):500–2
Birth weight in twins: an analysis of discordancy and growth retardation. O'Brien WF, et al. **Obstet Gynecol** 1986 Apr; 67(4):483–6
Intravenous ritodrine therapy: a comparison between twin and singleton gestations. Rayburn W, et al. **Obstet Gynecol** 1986 Feb;67(2):243–8
Intrapartum management of twin gestation [letter] Scialli AR. **Obstet Gynecol** 1986 Jan;67(1):149–50
Genetic and environmental effects on the development of myopia in Chinese twin children. Chen CJ, et al. **Ophthalmic Paediatr Genet** 1985 Aug;6(1–2):353–9
Eye findings in twins reared apart. Knobloch WH, et al. **Ophthalmic Paediatr Genet** 1985 Feb;5(1–2):59–66
Current concepts in management of obstetric problems for pediatricians. II. Modern concepts in the management of multiple gestation. Polin JI, et al. **Pediatr Clin North Am** 1986 Jun;33(3):649–61
Primary cutaneous amyloidosis: identically distributed lesions in identical twins. LeBoit PE, et al. **Pediatr Dermatol** 1986 Jun;3(3):244–6
Fetus in fetu associated with an undescended testis. Alpers CE, et al. **Pediatr Pathol** 1985;4(1–2):37–46
Congenital microcephaly due to vascular disruption: in utero documentation. Hughes HE, et al. **Pediatrics** 1986 Jul; 78(1):85–7
Follow-up study of physical growth of monozygous twins with discordant within-pair birth weights. Keet MP, et al. **Pediatrics** 1986 Mar;77(3):336–44
Twins' reactions to delayed auditory feedback. Timmons BA. **Percept Mot Skills** 1985 Oct;61(2):559–65
Twin and singleton growth patterns compared using US. Grumbach K, et al. **Radiology** 1986 Jan;158(1):237–41
Unilateral tubal twin gestation. A case report. Franca-Martins AM, et al. **S Afr Med J** 1986 May 10; 69(10):628
Genetic and teratological considerations in the analysis of concordant and discordant abnormalities in twins. Gericke GS. **S Afr Med J** 1986 Jan 18;69(2):111–4 (44 ref.)
Combined vaginal and caesarean delivery of twins [letter] Graubard Z, et al. **S Afr Med J** 1986 Sep 13;70(6):374–5
Individual differences in sensitivity and tolerance to alcohol. Wilson JR, et al. **Soc Biol** 1985 Fall–Winter;32(3–4):162–84
Twin study methodology and variability in xenobiotic placental metabolism. Gottlieb K, et al. **Teratogenesis Carcinog Mutagen** 1986;6(4):253–63
Twin birthweight in Nigeria and the effect of sex-pair and parity. Fakeye OO. **Trop Geogr Med** 1986 Sep;38(3):265–70
Renal transplantation between identical twins: a review. Tilney NL. **World J Surg** 1986 Jun;10(3):381–8 (18 ref.)
[An epidemiologic study on blood pressure in siblings in primary and middle school students] Wang JH. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1985 Sep; 13(3):194–6 **(Chi)**
[A study of skeletal age in 250 pairs of twins] Zhang GD. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1985 Nov; 19(6):321–3 (Eng. Abstr.) **(Chi)**
[Monozygotic twins and congenital malformations] Ceelie N. **Tijdschr Kindergeneeskd** 1985 Aug;53(4):142–5 (Eng. Abstr.) **(Dut)**
[Infantile spasm in 2 monozygotic twins. A new case (letter)] Senga P, et al. **Presse Med** 1986 Mar 8;15(10):485 **(Fre)**
[Body weight and body height of newborn twins] Liebing M. **Arztl Jugendkd** 1985 Aug;76(4):201–6 (Eng. Abstr.) **(Ger)**
[Sarcoidosis in identical twins] Isobe H, et al. **Nippon Naika Gakkai Zasshi** 1986 Apr;75(4):552–8 **(Jpn)**
[Systemic lupus erythematosus in identical twins: report of a pair of concordant and another pair of discordant twins] Mukai M, et al. **Nippon Naika Gakkai Zasshi** 1986 Jan; 75(1):33–9 **(Jpn)**
[Twin pregnancy. The importance of early diagnosis and bedrest] Oian P, et al. **Tidsskr Nor Laegeforen** 1986 Mar 20;106(8):654–6 (Eng. Abstr.) **(Nor)**
[Hemispheric asymmetry in the electroencephalogram of twins] Meshkova TA. **Fiziol Cheloveka** 1985 Jul–Aug; 11(4):586–93 **(Rus)**
[Hereditary and environmental factors in the formation of phenotypes of physical development in children under 1 year of age] Ivanov VP. **Pediatriia** 1986 Jun;(6):43–6 (Eng. Abstr.) **(Rus)**
[Age and characteristics of the heart in twins and singletons] Kukhar ID, et al. **Vrach Delo** 1986 May;(5):84–6 (Eng. Abstr.) **(Rus)**
[Growth in cranial circumference of twins during the 1st two years of life] Alonso Ortiz T, et al. **Arch Neurobiol (Madr)** 1986 May–Jun;49(3):136–40 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Multimethod assessment of temperament in twins: birth to six months. Riese ML, et al. **Acta Genet Med Gemellol (Roma)** 1985;34(1–2):15–31
Validating an experiential measure of parental style: the use of a twin sample. Parker G. **Acta Psychiatr Scand** 1986 Jan;73(1):22–7
Communicating the relational shift: separation among adult twins. Adelman MB, et al. **Am J Psychother** 1986 Jan; 40(1):96–109
Genetic and environmental contributions to the covariation between the Wechsler Adult Intelligence Scale (WAIS) subtests: a study of twins. Tambs K, et al. **Behav Genet** 1986 Jul;16(4):475–91
Further evidence for genetic influences on educational achievement. Gill CE, et al. **Br J Educ Psychol** 1985 Nov; 55 (Pt 3):240–50
Homosexuality in monozygotic twins reared apart. Eckert ED, et al. **Br J Psychiatry** 1986 Apr;148:421–5
Maternal behavior and attachment in low-birth-weight twins and singletons. Goldberg S, et al. **Child Dev** 1986 Feb; 57(1):34–46
A study of the vicissitudes of identification in twins. Athanassiou C. **Int J Psychoanal** 1986;67 (Pt 3):329–35
Genetic influence in the expression of affectivity: twin study of children and adolescents. Webb TE, et al. **J Genet Psychol** 1986 Jun;147(2):279–81
Altruism and aggression: the heritability of individual differences. Rushton JP, et al. **J Pers Soc Psychol** 1986 Jun;50(6):1192–8
[Anamnestic conditions of adolescent twins in East Germany] Reissig M. **Arztl Jugendkd** 1985 Aug;76(4):207–14 (Eng. Abstr.) **(Ger)**
[Effect of genotype on evoked potentials of the left and right hemispheres during perception of visual stimuli] Mariutina TM, et al. **Zh Vyssh Nerv Deiat** 1985 Nov–Dec; 35(6):1039–44 (Eng. Abstr.) **(Rus)**

TWINS, CONJOINED

Prenatal diagnosis of conjoined twins (diprosopus) with myelomeningocele. Rydnert J, et al. **Acta Obstet Gynecol Scand** 1985;64(8):687–8
Magnetic resonance imaging and ultrasonography in the antenatal evaluation of conjoined twins. Turner RJ, et al. **Am J Obstet Gynecol** 1986 Sep;155(3):645–9
Anencephaly with encephalocele in craniopagus twins: prenatal diagnosis by ultrasonography and computed tomography. Abrams SL, et al. **J Ultrasound Med** 1985 Sep;4(9):485–8
Early second-trimester sonographic diagnosis of thoracopagus twins. Blum E, et al. **JCU** 1986 Mar–Apr; 14(3):207–8
Obstetric management of conjoined twins. Sakala EP. **Obstet Gynecol** 1986 Mar;67(3 Suppl):21S–25S
De novo membranous nephropathy following renal transplantation between conjoint twins. Bansal VK, et al. **Transplantation** 1986 Mar;41(3):404–6
[Egon Erwin Kisch and the Blazek sisters. A contribution to the history of teratology] Schierhorn H. **Anat Anz** 1985; 160(5):353–65 (Eng. Abstr.) **(Ger)**
[Prenatal diagnosis of thoracopagus in the 19th week of pregnancy] Intödy Z, et al. **Zentralbl Gynakol** 1986; 108(1):57–61 (Eng. Abstr.) **(Ger)**
[Bicephalic monstrosities (anterior diplogenesis). Prospects for survival] Orts Llorca F. **An R Acad Nac Med (Madr)** 1985;102(4):431–44 **(Spa)**
[Apropos of a heteropagus: pygomelus] Gil-Barbosa M, et al. **Bol Med Hosp Infant Mex** 1985 Dec;42(12):775–80 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

[Prenatal echographic diagnosis of conjoined twins after 20 weeks of amenorrhea] Khouja H, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1985;14(7):883–7 (Eng. Abstr.) **(Fre)**

ETIOLOGY

High-frequency twinning of Xenopus laevis embryos from eggs centrifuged before first cleavage. Black SD, et al. **Dev Biol** 1986 Jul;116(1):228–40

PATHOLOGY

Cardiovascular system of the conjoined twins. Ichev K, et al. **Anat Anz** 1985;160(2):133–9
Internal organs of the conjoined twins. Ichev K, et al. **Anat Anz** 1985;160(3):221–6
Tubal conjoined twin pregnancy. Kontogeorgos G, et al. **Pathol Res Pract** 1986 Jun;181(3):327–30
Cardiovascular system in conjoined twins: an analysis of 14 Korean cases. Seo JW, et al. **Teratology** 1985 Oct; 32(2):151–61
Comments on the neural crest and parasitic conjoined twins [letter] Stephens TD. **Teratology** 1985 Oct;32(2):323–6
Conjoined twin calves: a case report and cytogenetic considerations. Amaitari Berepubo N. **Vet Q** 1986 Apr; 8(2):171–4
[A rare case of thoracoabdominopagous twins of late diagnosis: obstetric management] Chiapponi R, et al. **Minerva Ginecol** 1985 Sep;37(9):497–500 (Eng. Abstr.) (Ita)
[A case of a double di-cephalecus monster] Valentini D. **Pathologica** 1985 Mar–Apr;77(1048):189–97 (Eng. Abstr.) (Ita)
[Spontaneous delivery at term of conjoined twins of the thoraco-omphalopagus type] Szczurowicz A, et al. **Ginekol Pol** 1985 May–Jun;56(5–6):379–83 (Eng. Abstr.) (Pol)

SURGERY

Diagnostic procedures leading to successful separation of xipho-omphalopagus twins. Abel M, et al. **Helv Paediatr Acta** 1986 May;41(1–2):41–8
Surgical treatment of an asymmetric double monstrosity with esophageal atresia, omphalocele, and interventricular defect. Nasta R, et al. **J Pediatr Surg** 1986 Jan;21(1):60–2
A new technique for evaluating cutaneous vascularity in complicated conjoined twins. Ross AJ 3d, et al. **J Pediatr Surg** 1985 Dec;20(6):743–6
Management of xiphopagus conjoined twins with small bowel obstruction. Wong TJ, et al. **J Pediatr Surg** 1986 Jan; 21(1):53–7
Separation of craniopagus twins utilizing tissue expanders. Shively RE, et al. **Plast Reconstr Surg** 1985 Nov; 76(5):765–73
Conjoined ischiopagus twins. Olcay I, et al. **Turk J Pediatr** 1985 Oct–Dec;27(4):241–6
Successful separation of xiphoomphalopagus twins. She YX, et al. **Z Kinderchir** 1985 Aug;40(4):237–40
[Omphalopagus twins separated in the vagina during labor] Brandi L, et al. **Ugeskr Laeger** 1985 Nov 25;147(48):3893–5 (Eng. Abstr.) (Dan)
[Therapy in utero on a double monster: value of echography] Fasolino A, et al. **Minerva Ginecol** 1986 Jan–Feb; 38(1–2):67–70 (Eng. Abstr.) (Ita)

VETERINARY

A possible mechanism of partial twinning in a calf. Easton TW. **Anat Rec** 1985 May;212(1):100–2
Clinical and anatomical observations of a two-headed lamb. Fisher KR, et al. **Anat Rec** 1986 Apr;214(4):432–40

TWINS, DIZYGOTIC see under **TWINS**

TWINS, MONOZYGOTIC see under **TWINS**

TYLENCHOIDEA see under **NEMATODA**

TYLOSINS see **LEUCOMYCINS**

TYMPANIC CAVITY see **EAR, MIDDLE**

TYMPANIC MEMBRANE

Tympanograms in ears with small perforations of the tympanic membranes. Kobayashi T, et al. **Arch Otolaryngol Head Neck Surg** 1986 Jun;112(6):642–5
A new device for tympanocentesis in infants and children. Marchisio P, et al. **Int J Pediatr Otorhinolaryngol** 1986 Feb; 11(1):97–9
Mini-myringoplasty in the treatment of tympanic atelectasis. Donaldson JD. **J Otolaryngol** 1986 Feb;15(1):21–4
Treatment of tympanic atelectasis [letter] Friedberg J. **J Otolaryngol** 1986 Apr;15(2):136
Tympanostomy tubes and liquids—an in vitro study. Pashley NR, et al. **J Otolaryngol** 1984 Oct;13(5):296–8
Three cases of chronic granular myringitis cured by formalin. Yinglin Z. **J Otolaryngol** 1985 Dec;14(6):379–80
Visualization of a retraction pocket/cholesteatoma: indications for use of the middle ear telescope in children. Gonzalez C, et al. **Laryngoscope** 1986 Jan;96(1):109–10
Otogenic complications with an intact tympanic membrane. Samuel J, et al. **Laryngoscope** 1985 Nov;95(11):1387–90

ANALYSIS

In situ localization of F-actin in the normal and injured guinea-pig tympanic membrane. Boden P, et al. **Acta Otolaryngol (Stockh)** 1986 Mar–Apr;101(3–4):278–85

BLOOD SUPPLY

The vascular supply of the rat tympanic membrane. Albiin N, et al. **Anat Rec** 1985 May;212(1):17–22
Pharmacological characterization of receptors on blood vessels in the tympanic membrane involved in otitis media. Hellström S, et al. **Auris Nasus Larynx** 1985;12 Suppl 1:S135–7

CYTOLOGY

Mast cells in human middle ear mucosa in health and in disease. Berger G, et al. **J Otolaryngol** 1984 Dec; 13(6):370–4

INJURIES

Iatrogenic ossicular injury in an autistic child. Harada T. **Auris Nasus Larynx** 1985;12(3):157–61
Metal spark perforation of the tympanic membrane with deafness and facial paralysis. Stage J, et al. **J Laryngol Otol** 1986 Jun;100(6):699–700
The healing pattern of experimental heat myringotomy. Söderberg O, et al. **Rev Laryngol Otol Rhinol (Bord)** 1985; 106(2):81–5
[Traumatic tympanic membrane perforations] Liavaag G, et al. **Tidsskr Nor Laegeforen** 1986 Apr 20;106(10):817–9 (Eng. Abstr.) (Nor)

PARASITOLOGY

A case of aural gnathostomiasis. Cutchavaree A, et al. **Auris Nasus Larynx** 1985;12(3):163–7

PATHOLOGY

Atelectatic ear and pathologic nasopharynx. Kowata I, et al. **Auris Nasus Larynx** 1985;12 Suppl 1:S208–10
The atelectatic ear and its classification. Ohnishi T, et al. **Auris Nasus Larynx** 1985;12 Suppl 1:S211–3
Comparison of tympanometry and otomicroscopy during healing of otitis media. Holmberg K, et al. **Scand Audiol** 1986;15(1):3–8
The correlation between otoscopy and otomicroscopy in acute otitis media during healing. Holmberg K, et al. **Scand Audiol** 1985;14(4):191–9
[Tympanic membrane symptomatology] Guyot JP. **Schweiz Rundsch Med Prax** 1985 May 21;74(21):562–6 (Eng. Abstr.) (Fre)
[Occult Shrapnell cholesteatoma] Schwarz M. **HNO** 1985 Dec;33(12):559–60 (Eng. Abstr.) (Ger)

PHYSIOLOGY

Effects of tenotomy of the tensor tympani muscle on the acoustic reflex in dogs. Sims MH, et al. **Am J Vet Res** 1986 May;47(5):1022–31
Epithelial migration on the tympanic membrane and external canal. Makino K, et al. **Arch Otorhinolaryngol** 1986; 243(1):39–42
Effects of normal and pathologic eardrum impedance on sound pressure in the aided ear canal: a computer simulation. Egolf DP, et al. **J Acoust Soc Am** 1985 Oct; 78(4):1281–5
Standing wave patterns in the human ear canal used for estimation of acoustic energy reflectance at the eardrum. Lawton BW, et al. **J Acoust Soc Am** 1986 Apr;79(4):1003–9
[Tympanograms in relation to conditions of the tympanic membranes] Shao DH, et al. **Sheng Li Hsueh Pao** 1985 Aug;37(4):323–9 (Eng. Abstr.) (Chi)
[Epithelial migration on the tympanic membrane and external canal] Amatsu M, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1985 Aug;88(8):1104–7 (Jpn)
[Correlation between tympanogram and middle ear pressure—some considerations from experimental results] Okitsu T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Mar; 89(3):261–6 (Eng. Abstr.) (Jpn)

PHYSIOPATHOLOGY

Central auditory function in a hearing-impaired white mouse. Horner KC, et al. **Hear Res** 1986;23(1):71–9
Esophageal and tympanic temperature responses to core blood temperature changes during hyperthermia. Shiraki K, et al. **J Appl Physiol** 1986 Jul;61(1):98–102
Tensor tympani and masseter muscle synkinesis. Lusk R, et al. **Otolaryngol Head Neck Surg** 1985 Aug;93(4):555–8
[Functional and anatomical results of tympanoplasty using a fibrin glue] Dvořáková J, et al. **Acta Univ Palacki Olomuc Fac Med** 1984;107:341–52 (Ger)

SURGERY

Treatment of chronic otitis media with effusion: results of myringotomy. Gates GA, et al. **Auris Nasus Larynx** 1985; 12 Suppl 1:S262–4
On fluctuation of hearing in otitis media with effusion after myringotomy. Ito K, et al. **Auris Nasus Larynx** 1985;12 Suppl 1:S255–7
Exogenous hyaluronic acid (Healon) accelerates the healing of experimental myringotomies. Stenfors LE, et al. **Auris Nasus Larynx** 1985;12 Suppl 1:S214–5
Post-myringotomy care: a prospective study. Arcand P, et al. **J Otolaryngol** 1984 Oct;13(5):305–8
[Heterografts of calf jugular vein. History and technic] Zini C, et al. **Rev Laryngol Otol Rhinol (Bord)** 1985; 106(5):347–51 (Eng. Abstr.) (Fre)
[A method of magnetic fixation of an artificial tympanic membrane] Chkannikov AN. **Vestn Otorinolaringol** 1986 Mar–Apr;(2):36–9 (Eng. Abstr.) (Rus)

TRANSPLANTATION

Preservation of otologic homografts. Sataloff RT, et al. **Am J Otol** 1986 May;7(3):214–7
Homografts of the tympanic membrane with malleus; histological study in cat. Moriyama H, et al. **Auris Nasus Larynx** 1985;12(2):73–80
[Tympano-ossicular transplants] Poch Broto J. **An R Acad Nac Med (Madr)** 1986;103(1):103–15 (Spa)

ULTRASTRUCTURE

Fine structure of the rat tympanic membrane after treatment with local anaesthetics. Schmidt SH, et al. **Acta Otolaryngol (Stockh)** 1986 Jan–Feb;101(1–2):88–95
Casts and crusts of the tympanic membrane. Weinberger J, et al. **Acta Otolaryngol (Stockh)** 1986 Jul–Aug; 102(1–2):44–51
Ultrastructural characteristics of mesenchyme in the middle ear. Rauchfuss A. **Arch Otorhinolaryngol** 1986;243(3):162–6
An ultrastructural study of the skin of the tympanic membrane and external ear canal of the guinea pig. Johnson A, et al. **J Otolaryngol** 1985 Dec;14(6):357–64

TYMPANOMETRY see **ACOUSTIC IMPEDANCE TESTS**

TYMPANOPLASTY

Columellar tympanoplasty. Austin DF. **Am J Otol** 1985 Nov; 6(6):464–7
Tympanoplasty in children. An analysis of late results. Lau T, et al. **Am J Otol** 1986 Jan;7(1):55–9
Posterior canal wall atrophy after intact canal wall tympanoplasty. Sanna M, et al. **Am J Otol** 1986 Jan; 7(1):74–5
Autogenous fibrin glue in tympanoplasty. Wolf G. **Am J Otol** 1986 Jul;7(4):287–8
Histopathological studies in the long-term evaluation of Plastipore prostheses. Tomoda K. **Arch Otorhinolaryngol** 1985;242(2):119–28
Experimental and clinical aspects of carbon as a middle ear prosthesis. Blayney AW, et al. **Clin Otolaryngol** 1986 Jun; 11(3):189–97
Percutaneous healing of clinical tympanic membrane implants. Powers DL, et al. **J Biomed Mater Res** 1986 Feb; 20(2):143–51
Hearing results in tympanoplasty. Wehrs RE. **Laryngoscope** 1985 Nov;95(11):1301–6
Regenerated middle ear mucosa after tympanoplasty. Part I. Transmission electron microscopy. Gamoletti R, et al. **Otolaryngol Head Neck Surg** 1986 Mar;94(3):339–43
Regenerated middle ear mucosa after tympanoplasty. Part II. Scanning electron microscopy. Gamoletti R, et al. **Otolaryngol Head Neck Surg** 1986 Apr;94(4):430–4
Soft-wall reconstruction of the posterior external ear canal wall. Smith PG, et al. **Otolaryngol Head Neck Surg** 1986 Mar;94(3):355–9
[The results of ear surgeries in aged patients] Terazono T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Mar; 89(3):267–72 (Eng. Abstr.) (Jpn)
[Tympanoplasty in chronic suppuration of the ear] Drașoveanu C, et al. **Rev Chir [Otorinolaringol]** 1986 Apr–Jun;31(2):91–104 (Eng. Abstr.) (Rum)
[Surgical treatment of recurrent epitympanitis] Volokhov VA, et al. **Voen Med Zh** 1986 Apr;(4):60–1 (Rus)

ADVERSE EFFECTS

Cochlear hearing loss in tympanoplasty. Bellucci RJ. **Otolaryngol Head Neck Surg** 1985 Aug;93(4):482–5

INSTRUMENTATION

Tympanoplasty with bio-inert and bio-active ceramics. Jahnke K. **Rev Laryngol Otol Rhinol (Bord)** 1985; 106(5):339–42
[Our experience with ossicular prostheses of Ceravital] Gersdorff M. **Rev Laryngol Otol Rhinol (Bord)** 1985; 106(5):329–34 (Eng. Abstr.) (Fre)
[Heterografts of calf jugular vein. History and technic] Zini C, et al. **Rev Laryngol Otol Rhinol (Bord)** 1985; 106(5):347–51 (Eng. Abstr.) (Fre)

METHODS

The fate of homologous nasal septal cartilages in tympanoplasty. Iwanaga M, et al. **Acta Otolaryngol (Stockh)** 1986 Mar–Apr;101(3–4):306–13
Anatomic findings one year after combined approach tympanoplasty. Mercke U. **Am J Otol** 1986 Mar;7(2):150–4
The anterior marginal perforation. Primrose WJ, et al. **Clin Otolaryngol** 1986 Jun;11(3):175–6
Silastic coated incus in tympanoplasty: a preliminary report. Bonding P, et al. **J Laryngol Otol** 1986 Jan;100(1):9–14
A comparison of PORP, TORP, and incus homograft for ossicular reconstruction in chronic ear surgery. Silverstein H, et al. **Laryngoscope** 1986 Feb;96(2):159–65
[Comparison of 2 molded autograft technics on intact ossicular chains] Fombeur JP, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(6):461–3 (Eng. Abstr.) (Fre)
[Anatomic and functional surgical reconstruction of the

middle ear] Urrets-Zavalia J, et al. **Rev Laryngol Otol Rhinol (Bord)** 1985;106(5):365–8 (Eng. Abstr.) **(Fre)**

[Functional and anatomical results of tympanoplasty using a fibrin glue] Dvořáková J, et al. **Acta Univ Palacki Olomuc Fac Med** 1984;107:341–52 **(Ger)**

[Experience with fibrin glue in type-III tympanoplasty with stapes elevation] Haid T, et al. **HNO** 1985 Oct; 33(10):458–62 (Eng. Abstr.) **(Ger)**

[Tragal perichondrium and cartilage in tympanoplasty. A report on 2500 operations by an established ENT physician] Nitsche O. **HNO** 1985 Oct;33(10):455–7 (Eng. Abstr.) **(Ger)**

[Hearing after tympanomastoidectomy] Shirahata Y. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Jan;89(1):47–53 (Eng. Abstr.) **(Jpn)**

[Hermetic internal dressing after tympanoplasty] Moszyński B, et al. **Otolaryngol Pol** 1985;39(3):211–9 (Eng. Abstr.) **(Pol)**

[Mastoido- and tympanomastoidoplasty using brephocartilaginous and corneal xenotransplants] Melan'in VD, et al. **Vestn Otorinolaringol** 1986 Mar–Apr;(2):75–6 **(Rus)**

TYMPANOSTOMY TUBE INSERTION see MIDDLE EAR VENTILATION

TYMPANUM see EAR, MIDDLE

TYPE A PERSONALITY

Smoking behavior of type A and type B smokers. Hughes JR, et al. **Addict Behav** 1986;11(2):115–8

The prevalence of type A personality in the children of alcoholics. Manning DT, et al. **Alcoholism (NY)** 1986 Mar–Apr;10(2):184–9

Type A behavior and myocardial infarction [letter] Myrtek M. **Am Heart J** 1986 Jun;111(6):1215–6

The coronary-prone behavior pattern. Achievements and missed opportunities. Horwitz RI, et al. **Arch Intern Med** 1986 Jul;146(7):1429–33

The type A behaviour pattern as a precursor to stressful life-events: a confluence of coronary risks. Byrne DG, et al. **Br J Med Psychol** 1986 Mar;59 (Pt 1):75–82

Type As who think they are type Bs: discrepancies between self-ratings and interview ratings of the type A (coronary-prone) behaviour pattern. Herman S, et al. **Br J Med Psychol** 1986 Mar;59 (Pt 1):83–8

Psychological correlates of the type A behaviour pattern in coronary angiography patients. Langeluddecke PM, et al. **Br J Med Psychol** 1986 Jun;59 (Pt 2):141–8

Is there a substitute for Structured Interview assessments of type A behaviour? O'Looney BA, et al. **Br J Med Psychol** 1985 Dec;58 (Pt 4):343–50

Type A behavior in normal and hyperactive children: multisource evidence of overlapping constructs. Whalen CK, et al. **Child Dev** 1986 Jun;57(3):688–99

Psychophysiological reactivity in type A and B women during a rapid information processing task. Pfiffner D, et al. **Experientia** 1986 Feb 15;42(2):126–31

Type A behavior in children: demographic, behavioral, and physiological correlates. Murray DM, et al. **Health Psychol** 1986;5(2):159–69

The Montreal Type A Intervention Project: major findings. Roskies E, et al. **Health Psychol** 1986;5(1):45–69

Toward an animal model of type A behavior. Straub RO, et al. **Health Psychol** 1986;5(1):71–85

The relation between the type A behavior pattern, pacing, and subjective workload under single- and dual-task conditions. Damos D. **Hum Factors** 1985 Dec;27(6):675–80

Affect cognizance and the type A behavior pattern: labeling, cognitive effort or phenomenological loss? Ketterer MW, et al. **Int J Psychiatry Med** 1985–86;15(3):225–41

Anxiety, type A behavior, and cardiovascular disease. Lee MA, et al. **Int J Psychiatry Med** 1986–87;16(2):123–9

Reduction of physiological, behavioral, and self-report responses in type A behavior: a preliminary report. Razin AM, et al. **Int J Psychiatry Med** 1986–87;16(1):31–47

On the hyperreactivity of type A's. Schmieder R, et al. **Int J Psychosom** 1986;33(2):4–8

The type A behavior pattern: a review for the primary care physician. Ketterer MW, et al. **J Am Osteopath Assoc** 1985 Oct;85(10):649–56

Role ambiguity, type A behavior, and job satisfaction: moderating effects on cardiovascular and biochemical responses associated with coronary risk. Howard JH, et al. **J Appl Psychol** 1986 Feb;71(1):95–101

Type A behaviour and coronary heart disease: a preliminary study in Indian patients. Verghese A, et al. **J Assoc Physicians India** 1985 May;33(5):362–3

The type A behavior pattern and coronary heart disease among Japanese men in Hawaii. Cohen JB, et al. **J Behav Med** 1985 Dec;8(4):343–52

Physical health correlates of type A behavior in children and adolescents. Eagleston JR, et al. **J Behav Med** 1986 Aug;9(4):341–62

Do type A men drink more frequently than type B men? Findings in the Multiple Risk Factor Intervention Trial (MRFIT). Folsom AR, et al. **J Behav Med** 1985 Sep; 8(3):227–35

Social insecurity, the type A behavior pattern, and sympathetic arousal. Fontana AF, et al. **J Behav Med** 1986 Feb;9(1):79–88

Personality (hardiness) as a moderator of job stress and coronary risk in type A individuals: a longitudinal study. Howard JH, et al. **J Behav Med** 1986 Jun;9(3):229–44

The thrill of victory: blood-pressure variability and the type A behavior pattern. Jones KV. **J Behav Med** 1985 Sep; 8(3):277–85

Cardiovascular responses in type A children during a cognitive challenge. Murray DM, et al. **J Behav Med** 1985 Dec;8(4):377–95

Should studies of patients undergoing coronary angiography be used to evaluate the role of behavioral risk factors for coronary heart disease? Pickering TG. **J Behav Med** 1985 Sep;8(3):203–13

Familial aggregation of type A behavior. Sweda MG, et al. **J Behav Med** 1986 Feb;9(1):23–32

Cardiovascular responses in type A and type B men to a series of stressors. Ward MM, et al. **J Behav Med** 1986 Feb;9(1):43–9

The reliability of the student version of the Jenkins Activity Survey. Yarnold PR, et al. **J Behav Med** 1986 Aug; 9(4):401–14

A psychometric investigation of two measures of type A behaviour in a British sample. O'Looney BA, et al. **J Chronic Dis** 1985;38(10):841–8

Type A behavior: clinical significance, evaluation, and management. Weaver RC, et al. **J Fam Pract** 1986 Sep; 23(3):255–61

Beliefs and fears underlying type A behavior: correlates of time urgency and hostility. Burke RJ. **J Gen Psychol** 1985 Apr;112(2):133–45

Relationships among age, sex, the type A behavior pattern, and cardiovascular reactivity. Harbin TJ, et al. **J Gerontol** 1985 Nov;40(6):714–20

Social interaction and cardiovascular response of boys exhibiting the coronary-prone behavior pattern. Spiga R. **J Pediatr Psychol** 1986 Mar;11(1):59–69

The JAS-T and type A in students: a replication note. Rainey DW. **J Pers Assess** 1985 Oct;49(5):528–9

Influence of personal and universal failure on the subsequent performance of persons with type A and type B behavior patterns. Schwartz DP, et al. **J Pers Soc Psychol** 1986 Aug; 51(2):459–62

Models of personality and disease: an interactional approach to type A behavior and cardiovascular risk. Smith TW, et al. **J Pers Soc Psychol** 1986 Jun;50(6):1166–73

Type A behavior pattern and the judgment of control. Strube MJ, et al. **J Pers Soc Psychol** 1986 Feb;50(2):403–12

Postperformance attributions and task persistence among type A and B individuals: a clarification. Strube MJ, et al. **J Pers Soc Psychol** 1986 Feb;50(2):413–20

Self-schematic representation of the type A and B behavior patterns. Strube MJ, et al. **J Pers Soc Psychol** 1986 Jul; 51(1):170–80

Relinquishment of control and the type A behavior pattern: the role of performance evaluation. Strube MJ, et al. **J Pers Soc Psychol** 1985 Sep;49(3):831–42

Brief and easily-scored self-report measure of type A behavior [letter] Bass C. **J Psychosom Res** 1986;30(2):251

Type A and ectopy in patients with coronary artery disease and controls [letter] Freeman LJ, et al. **J Psychosom Res** 1985;29(5):549–50

The paradoxical relation between diastolic blood pressure change under stress and the H factor of the Jenkins Activity Survey. Goldstein HS, et al. **J Psychosom Res** 1985; 29(4):419–25

Type A behavior and physiological responsivity in young women. Lawler KA, et al. **J Psychosom Res** 1984; 28(3):197–204

Exaggerated psychophysiological reactivity: issues in quantification and reliability. Seraganian P, et al. **J Psychosom Res** 1985;29(4):393–405

Type A behavior and magnesium metabolism. Henrotte JG. **Magnesium** 1986;5(3–4):201–10 (69 ref.)

Change in type A behaviour among medical students: a 4-year longitudinal study. Wolf TM, et al. **Med Educ** 1986 May;20(3):176–80

Is type A behaviour a cause of coronary heart disease? Freeman Z. **Med J Aust** 1986 Sep 15;145(6):262, 266–70

Effect of EMG-biofeedback training in reduction of muscle tension for individuals displaying type A behavior patterns. Chen W, et al. **Percept Mot Skills** 1986 Jun;62(3):841–2

Communication and type A coronary-prone behavior: preliminary studies of expressive and instrumental communication. Tardy CH, et al. **Percept Mot Skills** 1985 Oct;61(2):603–14

Career orientations and type A behavior in police officers. Burke RJ. **Psychol Rep** 1985 Dec;57(3 Pt 2):1239–46

Convergent validity of self-reported type A behavior pattern of patients with coronary artery disease. Caracciolo S, et al. **Psychol Rep** 1986 Jun;58(3):831–8

Relationship between type A behavior pattern and motivational needs. Chusmir LH, et al. **Psychol Rep** 1986 Jun;58(3):783–94

Concordance in the Framingham and Bortner type A behavior scales: preliminary inquiry. Flannery RB Jr, et al. **Psychol Rep** 1986 Aug;59(1):294

Relationships among locus of control, coronary-prone behavior, and suicidal ideation. Froyd J, et al. **Psychol Rep** 1985 Dec;57(3 Pt 2):1155–8

Irrational beliefs underlying type A behavior: evidence for a cautious approach. Hamberger LK, et al. **Psychol Rep** 1986 Aug;59(1):19–25

Type A behavior, cognitive defense, and stress. Heilbrun AB Jr, et al. **Psychol Rep** 1986 Apr;58(2):447–56

Stomach disorders and type A–B behavior. Hicks RA, et al. **Psychol Rep** 1985 Dec;57(3 Pt 2):1254

Burnout: a comparative analysis of personality and environmental variables. Nagy S, et al. **Psychol Rep** 1985 Dec;57(3 Pt 2):1319–26

Type A behavior, family health history, and psychological distress. Nowack KM. **Psychol Rep** 1985 Dec;57(3 Pt 1):799–806

Death anxiety and the type A behavior pattern. Pfost KS, et al. **Psychol Rep** 1985 Dec;57(3 Pt 1):745–6

Prevalence and correlates of the type A behavior pattern in patients with rheumatoid arthritis. Potts MK, et al. **Psychol Rep** 1985 Dec;57(3 Pt 1):699–706

Cardiovascular responsivity, type A behavior, and parental history of heart disease in young women. Lawler KA, et al. **Psychophysiology** 1986 Jan;23(1):28–32

Heart rate reactivity and type A behavior as modifiers of physiological response to active and passive coping. Lovallo WR, et al. **Psychophysiology** 1986 Jan;23(1):105–12

Type A behavior: a longitudinal study from childhood to adulthood. Bergman LR, et al. **Psychosom Med** 1986 Jan–Feb;48(1–2):134–42

Work pressure and the type A behavior pattern exam stress in male medical students. Lovallo WR, et al. **Psychosom Med** 1986 Jan–Feb;48(1–2):125–33

Electrocardiographic T-wave changes are more pronounced in type A than in type B men during mental work. Scher H, et al. **Psychosom Med** 1986 Mar–Apr;48(3–4):159–66

Self-involvement and coronary heart disease incidence in the multiple risk factor intervention trial. Scherwitz L, et al. **Psychosom Med** 1986 Mar–Apr;48(3–4):187–99

Potential for hostility and suppression of displays of anger in relation to the type A behavior pattern (TABP) and coronary angiography [letter] Steptoe A. **Psychosom Med** 1986 May–Jun;48(5):370–3

[Physical work capacity under different levels of measured stress in relation to type-A personality in intellectual workers] Mincheva L, et al. **Probl Khig** 1985;10:20–32 (Eng. Abstr.) **(Bul)**

[Further discussion on the correlation between type A behavior and syndrome differentiation of traditional Chinese medicine in patients with coronary heart disease] Yang JX. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Feb; 6(2):79–81, 66 (Eng. Abstr.) **(Chi)**

[Modification of pattern A] Defourny M. **Acta Psychiatr Belg** 1986 Jan–Feb;86(1):22–9 (Eng. Abstr.) **(Fre)**

[Prognostic significance of the type A behavior pattern] Defourny M, et al. **Acta Psychiatr Belg** 1986 Jan–Feb; 86(1):30–5 (Eng. Abstr.) **(Fre)**

[Is type A behavior modulated by genetic factors regulating magnesium and zinc metabolism? Working hypotheses and preliminary results] Henrotte JG, et al. **Magnesium** 1985; 4(5–6):295–302 (Eng. Abstr.) **(Fre)**

[Stress and type-A behavior, risk factors for coronary disease? A critical inventory (letter)] Halhuber MJ. **Psychother Psychosom Med Psychol** 1985 Sep;35(9):247–52 **(Ger)**

[Is there such a thing as psychological secondary prevention following heart infarct?] Halhuber C. **Schweiz Rundsch Med Prax** 1986 Jan 21;75(4):53–6 (Eng. Abstr.) **(Ger)**

[Type A behavior] Jouve A. **Cardiologia** 1985 May; 30(5):341–5 **(Ita)**

[Type A behavior as a factor affecting the relations between organizational stress in professional work and somatic illness] Borucki Z. **Pol Tyg Lek** 1985 Nov 18–25; 40(46–47):1291–4 **(Pol)**

[Excretion of catecholamines in relation to personality types A and B] Zaleska T, et al. **Pol Tyg Lek** 1985 Jul 15; 40(28):781–3 (Eng. Abstr.) **(Pol)**

[Character peculiarities in patients with various forms of ischemic heart disease and hypertension] Kavtaradze GV. **Ter Arkh** 1985;57(10):105–8 (Eng. Abstr.) **(Rus)**

[Pattern of type A behavior: therapeutic intervention] de Flores T, et al. **Med Clin (Barc)** 1986 Mar 1;86(8):339–48 (95 ref.) **(Spa)**

[Modification of the coronary behavior pattern (type A) in the context of cardiac rehabilitation] Rosenman RH. **Rev Esp Cardiol** 1985;38 Suppl 3:50–5 (Eng. Abstr.) **(Spa)**

[Interaction of the psychosocial environment, coronary risk behavior and ischemic cardiopathy] Theorell T. **Rev Esp Cardiol** 1985;38 Suppl 3:45–9 (Eng. Abstr.) **(Spa)**

TYPHOID

Summary of an international workshop on typhoid fever. Edelman R, et al. **Rev Infect Dis** 1986 May–Jun;8(3):329–49

[Typhoid fever in children in Tananarive (Madagascar). Comments on 97 cases] Charieras JL, et al. **Med Trop (Mars)** 1985 Oct–Dec;45(4):413–22 (Eng. Abstr.) **(Fre)**

[Case report of typhoid fever with a fatal outcome] Breitenfeld V, et al. **Vojnosanit Pregl** 1986 May–Jun; 43(3):235–7 **(Ser)**

COMPLICATIONS

Typhoid fever complicating pregnancy. Amster R, et al. **Acta Obstet Gynecol Scand** 1985;64(8):685–6
Mild typhoid fever. Topley JM. **Arch Dis Child** 1986 Feb; 61(2):164–7
Toxic megacolon in typhoid fever. González A, et al. **Arch Intern Med** 1985 Nov;145(11):2120
Pyrexia in an Asian migrant. Haddad W. **Aust Fam Physician** 1986 May;15(5):600
Typhoid perforations [letter] Kapoor VK, et al. **Br J Surg** 1986 Jan;73(1):79
Acute non–A non–B hepatitis after typhoid fever. Caredda F, et al. **Br Med J [Clin Res]** 1986 May 31;292(6533):1429
Typhoid colitis. Chikanza IC, et al. **Cent Afr J Med** 1986 Feb;32(2):51–2
Unusual complications of typhoid fever. Chikanza IC, et al. **Cent Afr J Med** 1986 Feb;32(2):31–4
Typhoid colitis with massive lower gastrointestinal bleeding. An unexpected behavior of Salmonella typhi. Reyes E, et al. **Dis Colon Rectum** 1986 Aug;29(8):511–4
Surgical management of massive lower intestinal haemorrhage due to enteric fever. Bose SM, et al. **Indian J Gastroenterol** 1986 Jul;5(3):179–80
Cerebellar atrophy after typhoid fever [letter] Raoult D, et al. **Infection** 1985 Jul–Aug;13(4):198
Enteric hepatitis. Kar P, et al. **J Assoc Physicians India** 1985 Jun;33(6):417–8
Unusual neuropsychiatric manifestation of enteric fever [letter] Khosla SN, et al. **J Assoc Physicians India** 1985 Dec;33(12):821–2
Typhoid cerebellitis. Misra GC, et al. **J Indian Med Assoc** 1985 Oct;83(10):352–3
Salmonella hepatitis: detection of salmonella antigens in the liver of patients with typhoid fever [letter] Calva JJ, et al. **J Infect Dis** 1986 Aug;154(2):373–4
Athetosis in typhoid fever. Simon JW. **J R Army Med Corps** 1986 Feb;132(1):19
Electrocardiographic pattern in children suffering from typhoid fever. Salaki A, et al. **Paediatr Indones** 1985 Jul–Aug;25(7–8):131–5
Anemia with typhoid fever [letter] Chow CB, et al. **Pediatr Infect Dis** 1986 Jul–Aug;5(4):495–6
Hemophagocytosis accompanying typhoid fever. Fame TM, et al. **Pediatr Infect Dis** 1986 May–Jun;5(3):367–9
Acute cerebellar ataxia in enteric fever. Sawhney IM, et al. **Trans R Soc Trop Med Hyg** 1986;80(1):85–6
[CT diagnosis of a mycotic aneurysm of the femoral artery following typhoid infection] Löhr E, et al. **Radiologe** 1986 Mar;26(3):159–61 (Eng. Abstr.) (Ger)
[Hepatic injury due to typhoid and paratyphoid fever] Machii A, et al. **Kansenshogaku Zasshi** 1986 Feb;60(2):145–51 (Eng. Abstr.) (Jpn)
[Perforation of the small intestine in typhoid] Ryndin VD, et al. **Khirurgiia (Mosk)** 1986 Mar;(3):51–5 (Eng. Abstr.) (Rus)
[Case of abdominal typhus with multiple complications] Saroiants SV, et al. **Klin Med (Mosk)** 1985 Jul;63(7):128–9 (Rus)
[Cerebellar involvement in typhoid fever] Becerra M, et al. **Rev Chil Pediatr** 1985 Mar–Apr;56(2):107–8 (Eng. Abstr.) (Spa)
[Dissociated cholestasis and typhoid fever (letter)] Pérez Blanco FJ, et al. **Rev Clin Esp** 1986 May;178(8):417–8 (Spa)

DIAGNOSIS

The Widal slide agglutination test, a valuable rapid diagnostic test in typhoid fever patients at the Infectious Diseases Hospital of Jakarta. Hoffman SL, et al. **Am J Epidemiol** 1986 May;123(5):869–75
Bone marrow aspirate culture superior to streptokinase clot culture and 8 ml 1:10 blood–to–broth ratio blood culture for diagnosis of typhoid fever. Hoffman SL, et al. **Am J Trop Med Hyg** 1986 Jul;35(4):836–9
Diagnostic value of a single Widal test. Pu SJ, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1985 Nov;18(4):256–63
Coagglutination for diagnosis of enteric fever. Sarvamangala Devi JN, et al. **Indian J Pathol Microbiol** 1985 Oct; 28(4):349–53
Typhoid hepatitis [letter] Singh DS. **J Assoc Physicians India** 1985 Sep;33(9):621
Comparison of passive haemagglutination test with Widal agglutination test for serological diagnosis of typhoid fever in an endemic area. Coovadia YM, et al. **J Clin Pathol** 1986 Jun;39(6):680–3
Enteric fever: an unusual clinical presentation [letter] Garg KC, et al. **J Indian Med Assoc** 1985 May;83(5):172–3
Duodenal string cultures: practicality and sensitivity for diagnosing enteric fever in children. Avendano A, et al. **J Infect Dis** 1986 Feb;153(2):359–62
Salmonella typhi infection in adults is not limited to travellers returning from the tropics. Downey D, et al. **NZ Med J** 1986 Jun 25;99(804):443–6
Stellate maculopathy due to Salmonella typhi. A case report. Fusco R, et al. **Ophthalmologica** 1986;192(3):154–8
Rhabdomyolysis and pancytopenia in a young man [clinical conference] Barnes P, et al. **West J Med** 1986 May; 144(5):586–90
[Lyophilized red blood cells in the passive hemagglutination test in the diagnosis of typhoid fever] Liu HS. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1986 Jun; 7(3):167–9 (Eng. Abstr.) (Chi)
[A case of recurrent abdominal typhus in an 8–year–old boy] Franczak T, et al. **Wiad Lek** 1985 Aug 1;38(15):1087–9 (Eng. Abstr.) (Pol)
[Characteristics of the early diagnosis of typhoid–paratyphoid diseases] Kazantsev AP. **Voen Med Zh** 1985 Nov;(11):45–6 (Rus)
[Typhoid fever: its diagnosis] Arredondo–García JL. **Bol Med Hosp Infant Mex** 1986 Apr;43(4):201–3 (Spa)
[Evaluation of the methods of bacteriological diagnosis of typhoid fever in pediatrics] Vallenas C, et al. **Bol Med Hosp Infant Mex** 1986 Apr;43(4):204–10 (Eng. Abstr.) (Spa)

DRUG THERAPY

Ceftriaxone therapy in bacteremic typhoid fever. Ti TY, et al. **Antimicrob Agents Chemother** 1985 Oct;28(4):540–3
Typhoid fever: successful therapy with cefoperazone. Pape JW, et al. **J Infect Dis** 1986 Feb;153(2):272–6
Two to three days treatment of typhoid fever with ceftriaxone. Lan CK, et al. **Southeast Asian J Trop Med Public Health** 1986 Mar; 17(1):119–24
Management of typhoid. Cook GC. **Trop Doct** 1985 Oct; 15(4):154–9
[Combined use of levomycetin and ampicillin in patients with abdominal typhus and paratyphoid fever] Shalygin VA. **Vrach Delo** 1986 Mar;(3):113–5 (Eng. Abstr.) (Rus)
[Tetroxoprim–sulphadiazine in the treatment of typhoid fever (letter)] Sánchez Sevillano A, et al. **Med Clin (Barc)** 1985 Nov 9;85(15):642 (Spa)

ENZYMOLOGY

[Enzymatic characteristics of peripheral blood neutrophils in the acute period of typhoid fever] Dzhordzhadze NS, et al. **Lab Delo** 1985;(8):455–7 (Eng. Abstr.) (Rus)

ETIOLOGY

Pathogenesis of typhoid fever. Moudgil KD, et al. **Indian J Pediatr** 1985 Jul–Aug;52(417):371–8
[Pathogenesis of the typhoid bacterium carrier state] Obgol'ts AA, et al. **Sov Med** 1986;(4):54–7 (28 ref.) (Rus)
[In vivo experimental modelling of the infectious process caused by stable L forms of the causative agent of typhoid] Prozorovskil SV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Aug;(8):10–4 (Eng. Abstr.) (Rus)

HISTORY

The great typhoid epidemic in Florida, 1898. Straight WM. **J Fla Med Assoc** 1986 Apr;73(4):289–99
The medical milieu of Daniel Drake. King LS. **JAMA** 1985 Oct 18;254(15):2126–8
Social mores influence lessons of science [news] Ziporyn T. **JAMA** 1985 Nov 15;254(19):2720

IMMUNOLOGY

Immune complexes and immunoglobulins in Nigerian patients with typhoid fever. Onyemelukwe GC, et al. **East Afr Med J** 1985 Feb;62(2):96–100
Recurrent typhoid in an HTLV–III antibody positive man. Jarrett DR, et al. **Gut** 1986 May;27(5):587–8
Antibodies to porin antigens of Salmonella typhi induced during typhoid infection in humans. Calderón I, et al. **Infect Immun** 1986 Apr;52(1):209–12
Intestinal antibody responses in typhoid patients: a preliminary study. Banchuin N, et al. **J Med Assoc Thai** 1985 Sep;68(9):449–56
[Bactericidal components of neutrophil peroxidasosomes in abdominal typhus] Pogorel'skaia LV, et al. **Sov Med** 1986; (4):38–41 (Eng. Abstr.) (Rus)
[Comparison of the Gruber–Widal and ELISA technics used to study Salmonella typhi and Salmonella paratyphi infections in patients] Ayyildiz A, et al. **Mikrobiyol Bul** 1986 Jan;20(1):14–24 (Eng. Abstr.) (Tur)

METABOLISM

Gastric secretion in patients with typhoid [letter] Howden CW, et al. **Gut** 1985 Dec;26(12):1387–8

MICROBIOLOGY

Molecular techniques in the study of Salmonella typhi in epidemiologic studies in endemic areas: comparison with Vi phage typing. Maher KO, et al. **Am J Trop Med Hyg** 1986 Jul;35(4):831–5
Plasmid–mediated resistance to multiple antibiotics in Salmonella typhi. Goldstein FW, et al. **J Infect Dis** 1986 Feb;153(2):261–6
Efficacy of bone marrow, blood, stool and duodenal contents cultures for bacteriologic confirmation of typhoid fever in children. Vallenas C, et al. **Pediatr Infect Dis** 1985 Sep–Oct;4(5):496–8
[Adsorption of Vi antigen on human erythrocytes] Bunin KV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Sep; (9):29–31 (Eng. Abstr.) (Rus)

OCCURRENCE

Case–control study to identify risk factors for paediatric endemic typhoid fever in Santiago, Chile. Black RE, et al. **Bull WHO** 1985;63(5):899–904
An international point source outbreak of typhoid fever: a European collaborative investigation. Stanwell–Smith RE, et al. **Bull WHO** 1986;64(2):271–8
Typhoid fever in young children. Kapoor JP, et al. **Indian Pediatr** 1985 Nov;22(11):811–3
Introduction of Salmonella typhi in the United States via travelers. Sussman SJ, et al. **J Med Soc NJ** 1985 Aug; 82(8):655–7
An outbreak of typhoid fever in Chandigarh, North India. Gupta V, et al. **Trop Geogr Med** 1986 Mar;38(1):51–4
[Typhoid outbreak following a holiday meal] Aarts GJ, et al. **Ned Tijdschr Geneeskd** 1985 Sep 7;129(36):1743–4 (Dut)
[Abdominal typhus and paratyphoid fevers—1984] Gonera E. **Przegl Epidemiol** 1986;40(1):54–60 (Eng. Abstr.) (Pol)
[Typhoid and paratyphoid fevers—1983] Gonera E. **Przegl Epidemiol** 1985;39(1):81–6 (Eng. Abstr.) (Pol)
[Typhoid fever in Serbia exclusive of the autonomous provinces] Kostić A, et al. **Srp Arh Celok Lek** 1985 Feb; 113(2):173–8 (Eng. Abstr.) (Scc)

PATHOLOGY

Bone marrow histiocytic hyperplasia and hemophagocytosis with pancytopenia in typhoid fever. Udden MM, et al. **Am J Med Sci** 1986 Jun;291(6):396–400

PHYSIOPATHOLOGY

On the nature and significance of rose spots. Gupta MS, et al. **Indian J Med Sci** 1986 Feb;40(2):31–4
Polymorphonuclear leucocyte phagocytosis in bilharzial and non bilharzial patients with enteric fevers. el–Hawy AM, et al. **J Egypt Soc Parasitol** 1985 Jun;15(1):343–52
Current clinical patterns of typhoid fever: a prospective study. Gupta SP, et al. **J Trop Med Hyg** 1985 Dec; 88(6):377–81

PREVENTION & CONTROL

Oral vaccination against enteric bacterial infections: an overview. Germanier R. **Infection** 1985;13 Suppl 2:S206–10
[Prevention is more expensive than healing] Hirschel B. **Schweiz Med Wochenschr** 1985 Nov 30;115(48):1738–9 (Ger)
[Typhus epidemiology in Switzerland 1980–1983. Slight or lack of effectiveness of the live vaccine Vivotif in tropical travel] Wüthrich RP, et al. **Schweiz Med Wochenschr** 1985 Nov 30;115(48):1714–20 (Eng. Abstr.) (Ger)
[Prophylactic vaccination against typhoid] Germanier R. **Z Gesamte Hyg** 1985 Dec;31(12):675–7 (11 ref.) (Eng. Abstr.) (Ger)

RADIOGRAPHY

Salmonella typhi pneumonia without gastrointestinal manifestations. Olutola PS, et al. **Diagn Imag Clin Med** 1985;54(5):263–7

THERAPY

[Treatment of typhoid fever] Yasuda MA. **Rev Paul Med** 1985 Sep–Oct;103(5):249–53 (Por)

TYPHOID–PARATYPHOID VACCINES

ADMINISTRATION & DOSAGE

Malignant melanoma arising de novo within a T.A.B.T. inoculation site. Attard GJ. **J R Army Med Corps** 1986 Feb;132(1):20
[Prevention is more expensive than healing] Hirschel B. **Schweiz Med Wochenschr** 1985 Nov 30;115(48):1738–9 (Ger)
[Typhus epidemiology in Switzerland 1980–1983. Slight or lack of effectiveness of the live vaccine Vivotif in tropical travel] Wüthrich RP, et al. **Schweiz Med Wochenschr** 1985 Nov 30;115(48):1714–20 (Eng. Abstr.) (Ger)
[Prophylactic vaccination against typhoid] Germanier R. **Z Gesamte Hyg** 1985 Dec;31(12):675–7 (11 ref.) (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

Angioimmunoblastic lymphadenopathy following typhoid AB vaccination and terminating in disseminated infection. Gold JA, et al. **Arch Pathol Lab Med** 1985 Dec; 109(12):1085–8
Pancreatitis following monovalent typhoid and cholera vaccinations. Gatt DT. **Br J Clin Pract** 1986 Jul;40(7):300–1
Damages for stroke after cholera and typhoid vaccination. Brahams D. **Lancet** 1985 Dec 14;2(8468):1372
Erythema nodosum following typhoid vaccination. Thomson BJ, et al. **Scott Med J** 1985 Jul;30(3):173

IMMUNOLOGY

IgA–driven T cell–mediated anti–bacterial immunity in man after live oral Ty 21a vaccine. Taglabue A, et al. **J Immunol** 1986 Sep 1;137(5):1504–10
[Relation between human erythrocytic polymorphism and immunologic reactivity to tetanus, typhoid and smallpox antigens] Veresh I, et al. **Gematol Transfuziol** 1985 Nov; 30(11):7–12 (Eng. Abstr.) (Rus)

TOXICITY

[A typhoid vaccine dried by direct vacuum desiccation] Dimache G, et al. **Rev Ig [Bacteriol]** 1986 Apr-Jun; 31(2):145-50 (Rus)

TYPHUS see TYPHUS, EPIDEMIC LOUSE-BORNE

TYPHUS, ENDEMIC FLEA-BORNE

COMPLICATIONS

Pulmonary embolism complicating murine typhus. Potasman I, et al. **J R Soc Med** 1986 Jun;79(6):367-8

IMMUNOLOGY

Mechanisms of immunity to infection with typhus rickettsiae: infected fibroblasts bear rickettsial antigens on their surfaces. Rollwagen FM, et al. **Infect Immun** 1985 Dec; 50(3):911-6

Mechanisms of immunity to rickettsial infection: characterization of a cytotoxic effector cell. Rollwagen FM, et al. **J Immunol** 1986 Feb 15;136(4):1418-21

OCCURRENCE

An endemic focus of murine typhus in Europe [letter] Tselentis Y, et al. **J Infect** 1986 Jul;13(1):91-2

Epidemiology of murine typhus in Texas. 1980 through 1984. Taylor JP, et al. **JAMA** 1986 Apr 25;255(16):2173-6

Keep murine typhus in mind [editorial] Woodward TE. **JAMA** 1986 Apr 25;255(16):2211-2

TYPHUS, EPIDEMIC LOUSE-BORNE

DIAGNOSIS

A sporadic case of epidemic (louse-borne) typhus. Padbidri VS, et al. **J Assoc Physicians India** 1986 Mar;34(3):213-4

HISTORY

John Donne's sickness [letter] McSherry J. **Can Med Assoc J** 1986 Jan 15;134(2):105

Medicine as social science: Rudolf Virchow on the typhus epidemic in Upper Silesia. Taylor R, et al. **Int J Health Serv** 1985;15(4):547-59

The medical milieu of Daniel Drake. King LS. **JAMA** 1985 Oct 18;254(15):2126-8

IMMUNOLOGY

Thymus-independent antibody production to the antigen of Rickettsia prowazekii. Kabanova EA, et al. **Acta Virol (Praha)** 1986 May;30(3):256-60

[Importance of T-lymphocytes in antibody production in experimental typhus infection] Ignatovich VF, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Jun;(6):74-8 (Eng. Abstr.) (Rus)

OCCURRENCE

Keep murine typhus in mind [editorial] Woodward TE. **JAMA** 1986 Apr 25;255(16):2211-2

PATHOLOGY

Typhus-induced facial necrosis. Wolfman DE, et al. **Otolaryngol Head Neck Surg** 1986 Mar;94(3):390-3

TYPHUS, MURINE see TYPHUS, ENDEMIC FLEA-BORNE

TYPOLOGY see SOMATOTYPES

TYRAMINE

Relation of nitrite concentration to mutagen formation in soy sauce. Nagahara A, et al. **Food Chem Toxicol** 1986 Jan;24(1):13-5

ADMINISTRATION & DOSAGE

Moclobemide, a new reversible MAO inhibitor—interaction with tyramine and tricyclic antidepressants in healthy volunteers and depressive patients. Korn A, et al. **Psychopharmacology (Berlin)** 1986;88(2):153-7

ADVERSE EFFECTS

Attempts to attenuate the 'cheese effect'. Combined drug therapy in depressive illness. Pare CM, et al. **J Affective Disord** 1985 Sep;9(2):137-41

ANALOGS & DERIVATIVES

Stereoselective accumulation of hydroxylated metabolites of amphetamine in rat striatum and hypothalamus. Dougan DF, et al. **Br J Pharmacol** 1986 May;88(1):285-90

Loci of catabolism of beta-very low density lipoprotein in vivo delineated with a residualizing label, 125I-dilactitol tyramine. Daugherty A, et al. **J Biol Chem** 1985 Nov 25; 260(27):14564-70

Identification of fibroblasts as a major site of albumin catabolism in peripheral tissues. Strobel JL, et al. **J Biol Chem** 1986 Jun 15;261(17):7989-94

Ring-substituted beta-methoxyphenethylamines: a new class of psychotomimetic agents active in man. Lemaire D, et al. **J Pharm Pharmacol** 1985 Aug;37(8):575-7

[Potential radiopharmaceuticals for adrenal gland scintigraphy. 3. Animal experimental studies with 131Iodine labeled tyraminyl- and p-hydroxyphenyl-aglycones] Röder E, et al. **Arch Pharm (Weinheim)** 1985 Dec;318(12):1115-25 (Eng. Abstr.) (Ger)

[Potential radiopharmaceutical for adrenal gland scintigraphy. I. Radioiodination of tyramine derivatives of some derivatives of digitoxigenin and scillarenin] Röder E, et al. **Arch Pharm (Weinheim)** 1985 Sep;318(9):837-42 (Eng. Abstr.) (Ger)

ANALYSIS

Analysis of cheese for histamine, tyramine, tryptamine, histidine, tyrosine, and tryptophane. Chang SF, et al. **J Dairy Sci** 1985 Nov;68(11):2840-6

ANTAGONISTS & INHIBITORS

Differential sensitivity to prazosin and yohimbine blockade of tyramine and noradrenaline. Lucchelli A, et al. **Pharmacol Res Commun** 1985 Aug;17(8):787-801

BIOSYNTHESIS

Microbial preparation of L-[15N]tyrosine and [15N]tyramine and their gas chromatographic-mass spectrometric analyses. Kahana ZE, et al. **Anal Biochem** 1985 Sep; 149(2):549-54

DIAGNOSTIC USE

Metabolism of [125I]tyramine cellobiose-labeled low density lipoproteins in squirrel monkeys. Portman OW, et al. **Atherosclerosis** 1985 Sep;56(3):283-99

METABOLISM

The effects of estradiol and progesterone on the concentration of striatal dopamine and tyramine in ovariectomized mice. Yeung SC, et al. **Gen Pharmacol** 1985; 16(5):517-9

Dietary tyramine and other pressor amines in MAOI regimens: a review. McCabe BJ. **J Am Diet Assoc** 1986 Aug;86(8):1059-64 (73 ref.)

The concentration in brain of octopamine and tyramine after portal-systemic bypass in rats: neuroamine concentrations determined simultaneously by methane chemical ionization gas chromatography mass spectrometry. Meredith CG, et al. **Life Sci** 1986 May 5;38(18):1701-5

The effect of raphé nuclei lesions on striatal tyramine concentration and dopamine turnover in the rat. Juorio AV, et al. **Neurochem Res** 1986 May;11(5):687-93

Concentration of striatal tyramine and dopamine metabolism in diabetic rats and effect of insulin administration. Kwok RP, et al. **Neuroendocrinology** 1986;43(5):590-6

PHARMACODYNAMICS

Effects of tyramine on noradrenaline outflow and electrical responses induced by field stimulation in the perfused rabbit ear artery. Miyahara H, et al. **Br J Pharmacol** 1985 Oct; 86(2):405-16

Pressor response of oral tyramine in healthy men given amiflamine and placebo. Grind M, et al. **Clin Pharmacol Ther** 1986 Aug;40(2):155-60

Tyramine-induced release of neuropeptide Y (NPY) in isolated rabbit intestine. Cheng JT, et al. **Eur J Pharmacol** 1986 Apr 16;123(2):303-6

Trace amines inhibit the electrically evoked release of [3H]acetylcholine from slices of rat striatum in the presence of pargyline: similarities between beta-phenylethylamine and amphetamine. Baud P, et al. **J Pharmacol Exp Ther** 1985 Oct;235(1):220-9

THERAPEUTIC USE

Quadriplegia, orthostatic hypotension, and phenelzine with tyramine [letter] Wood CA Jr, et al. **Ann Intern Med** 1985 Nov;103(5):803-4

URINE

Urinary excretion of free tyramine and of norepinephrine and its metabolites in unipolar depressed patients. Roy A, et al. **Biol Psychiatry** 1986 Feb;21(2):221-4

TYROPANOATE see under IODOBENZENES

TYROSINASE see under DIPHENOL OXIDASES

TYROSINE

Tyr1-substituted and fluorescent Pya1-enkephalins bind strongly and selectively to mu and delta opiate receptors. Mihara H, et al. **Biochem Biophys Res Commun** 1986 May 14;136(3):1170-6

m-Fluorotyrosine substitution in beta-galactosidase; evidence for the existence of a catalytically active tyrosine. Ring M, et al. **Biochem Biophys Res Commun** 1985 Sep 16;131(2):675-80

p-Diazobenzoyl biocytin—a new biotinylating reagent for the labeling of tyrosines and histidines in proteins. Wilchek M, et al. **Biochem Biophys Res Commun** 1986 Jul 31; 138(2):872-9

Tyrosine motions in relation to the ferric spin equilibrium of cytochrome P-450cam. Fisher MT, et al. **Biochemistry** 1985 Nov 5;24(23):6696-701

Determination of chemical properties of individual histidine and tyrosine residues of concanavalin A by competitive labeling with 1-fluoro-2,4-dinitrobenzene. Jackson GE, et al. **Biochemistry** 1986 Apr 8;25(7):1657-62

Time-resolved fluorescence and 1H NMR studies of tyrosine and tyrosine analogues: correlation of NMR-determined rotamer populations and fluorescence kinetics. Laws WR, et al. **Biochemistry** 1986 Feb 11;25(3):599-607

Time-resolved fluorescence and 1H NMR studies of tyrosyl residues in oxytocin and small peptides: correlation of NMR-determined conformations of tyrosyl residues and fluorescence decay kinetics. Ross JB, et al. **Biochemistry** 1986 Feb 11;25(3):607-12

Radioiodination of tyrosine residue(s) of ox testis and of wheat germ calmodulins. Dutoit C, et al. **Biochim Biophys Acta** 1986 Jun 5;871(2):130-6

Evidence from pulse radiolysis and flash photolysis of the environment of tryptophan and tyrosine in the coat protein of fd phage. Ghiron CA, et al. **Biochim Biophys Acta** 1986 Feb 14;869(3):363-6

Fluorescence from L-tyrosine and its quenching by phosphate ions and deoxyribonucleic acid. Verma NC. **Indian J Biochem Biophys** 1985 Aug;22(4):218-22

Phosphorylation of synthetic insulin receptor peptides by the insulin receptor kinase and evidence that the preferred sequence containing Tyr-1150 is phosphorylated in vivo. Stadtmauer L, et al. **J Biol Chem** 1986 Jul 25; 261(21):10000-5

High-performance liquid chromatography of tyrosine-containing peptides by pre-column derivatization involving formylation followed by fluorescence reaction with 1,2-diamino-4,5-dimethoxybenzene. Ishida J, et al. **J Chromatogr** 1986 Mar 28;356(1):171-7

Phosphorylation of an Escherichia coli protein at tyrosine. Cortay JC, et al. **J Mol Biol** 1986 Jan 20;187(2):305-8

Tyrosyl fluorescence spectra of proteins lacking tryptophan: effects of intramolecular interactions. Lux B, et al. **Photochem Photobiol** 1985 Sep;42(3):245-51

Fluorescence behaviour of sequential tyrosyl polypeptides. Pantar AV, et al. **Photochem Photobiol** 1986 May; 43(5):591-4

Evidence for a tyrosine protonation change during the primary phototransition of bacteriorhodopsin at low temperature. Rothschild KJ, et al. **Proc Natl Acad Sci USA** 1986 Jan;83(2):347-51

Modification of a tyrosine residue in the carboxyterminal portion of human alpha2-antiplasmin. Lijnen HR, et al. **Thromb Res** 1985 Sep 1;39(5):625-9

[Hydrophily of surface non-polar fragment in the protein molecule—a new approach to the stabilization of enzymes. Chemical modification of tyrosine residues in trypsin] Mozhaev VV, et al. **Dokl Akad Nauk SSSR** 1986; 288(4):1006-9 (Rus)

ADMINISTRATION & DOSAGE

The effect of short-term immunotherapy with Pollinex on anti-IgE and antigen-induced histamine release from sensitive human basophils. Chyrek-Borowska S, et al. **Arch Immunol Ther Exp (Warsz)** 1985;33(6):777-82

Interaction between specific dietary factors and experimental chemotherapy of metastatic melanoma. Meadows GG, et al. **Cancer Chemother Pharmacol** 1986;16(3):229-36

ANALOGS & DERIVATIVES

Phosphotyrosine as a substrate of acid and alkaline phosphatases. Apostol I, et al. **Acta Biochim Pol** 1985; 32(3):187-97

Utilization of N-acetyl-L-tyrosine and glycyl-L-tyrosine during long-term parenteral nutrition in the growing rat. Neuhäuser M, et al. **Am J Clin Nutr** 1985 Oct;42(4):585-96

Identification of tyrosine O-sulfate in proteins by reverse-phase high-performance liquid chromatography: use of base hydrolysis combined with precolumn derivatization using phenyl isothiocyanate. Christie DL, et al. **Anal Biochem** 1986 Apr;154(1):92-9

Purification of the catalytically active phosphorylated form of insulin receptor kinase by affinity chromatography with O-phosphotyrosyl-binding antibodies. Pang DT, et al. **Arch Biochem Biophys** 1985 Oct;242(1):176-86

Pharmacokinetics of tiropramide after single doses in man. Arigoni R, et al. **Arzneimittelforschung** 1986 Apr; 36(4):738-44

The conversion of native adenylylated glutamine synthetase into phosphotyrosine enzyme by micrococcal nuclease. Kimura K, et al. **Biochem Biophys Res Commun** 1986 Jun 13;137(2):716-21

m-Fluorotyrosine substitution in beta-galactosidase; evidence for the existence of a catalytically active tyrosine. Ring M, et al. **Biochem Biophys Res Commun** 1985 Sep 16;131(2):675-80

Nature of sulphated macromolecules in mouse Reichert's membrane. Evidence for tyrosine O-sulphate in basement-membrane proteins. Paulsson M, et al. **Biochem J** 1985 Nov 1;231(3):571-9

Time-resolved fluorescence and 1H NMR studies of tyrosine and tyrosine analogues: correlation of NMR-determined rotamer populations and fluorescence kinetics. Laws WR,

et al. **Biochemistry** 1986 Feb 11;25(3):599–607
Reactivities of tyrosine, histidine, tryptophan, and methionine in radical pair formation in flavin triplet induced protein nuclear magnetic polarization. Muszkat KA, et al. **Biochemistry** 1985 Sep 24;24(20):5416–21
Observation of tyrosine-O-phosphate in Drosophila melanogaster larvae by 31P-NMR spectroscopy. Moore RR, et al. **Biochim Biophys Acta** 1985 Sep 30;846(3):394–7
In vivo phosphorylation and dephosphorylation of the platelet-derived growth factor receptor studied by immunoblot analysis with phosphotyrosine antibodies. Zippel R, et al. **Biochim Biophys Acta** 1986 Mar 19; 881(1):54–61
Rabbit antibodies with specificity for tyrosine phosphate are not reactive with tyrosine sulphate. Jones JA, et al. **Biosci Rep** 1985 Aug;5(8):707–14
Complement-mediated lysis of K562 human leukemic cells by antibodies to phosphotyrosine and identification of cell surface proteins phosphorylated on tyrosine. Ogawa R, et al. **Cancer Res** 1986 May;46(5):2507–10
Direct identification of phosphotyrosine-containing proteins in some retrovirus-transformed cells by use of anti-phosphotyrosine antibody. Seki J, et al. **Cancer Res** 1986 Feb;46(2):907–16
In vivo formation of diiodotyrosine by extrathyroidal thyroxine ether-link cleavage and effects of mononitrotyrosine on this pathway in the rat. Meinhold H, et al. **Endocrinology** 1986 Jun;118(6):2305–11
Immunological detection of proteins phosphorylated at tyrosine in cells stimulated by growth factors or transformed by retroviral-oncogene-coded tyrosine kinases. Di Renzo MF, et al. **Eur J Biochem** 1986 Jul 15; 158(2):383–91
Is the C-terminal flanking peptide of rat cholecystokinin double sulphated? Adrian TE, et al. **FEBS Lett** 1986 Feb 3;196(1):5–8
Complete tyrosine O-sulfation of gastrin in adult and neonatal cat pancreas. Cantor P, et al. **FEBS Lett** 1986 Jan 20;195(1–2):272–4
Dityrosine is a prominent component of the yeast ascospore wall. A proof of its structure. Briza P, et al. **J Biol Chem** 1986 Mar 25;261(9):4288–94
Identification of the site of sulfation of the fourth component of human complement. Hortin G, et al. **J Biol Chem** 1986 Feb 5;261(4):1786–93
Use of fluorinated tyrosine phosphates to probe the substrate specificity of the low molecular weight phosphatase activity of calcineurin. Martin B, et al. **J Biol Chem** 1985 Dec 5;260(28):14932–7
Evidence of the activity of tyrosine kinase(s) and of the presence of phosphotyrosine proteins in pea plantlets. Torruella M, et al. **J Biol Chem** 1986 May 25; 261(15):6651–3
19F nuclear magnetic resonance studies of fluorotyrosine-labeled aspartate transcarbamoylase. Properties of the enzyme and its catalytic and regulatory subunits. Wacks DB, et al. **J Biol Chem** 1985 Sep 25; 260(21):11651–8
19F nuclear magnetic resonance studies of communication between catalytic and regulatory subunits in aspartate transcarbamoylase. Wacks DB, et al. **J Biol Chem** 1985 Sep 25;260(21):11659–62
Inhibition of monoamine oxidase selectively in brain monoamine nerves using the bioprecursor (E)-beta-fluoromethylene-m-tyrosine (MDL 72394), a substrate for aromatic L-amino acid decarboxylase. Palfreyman MG, et al. **J Neurochem** 1985 Dec; 45(6):1850–60
Increase of phosphotyrosine-containing proteins in human carcinomas. Ogawa R, et al. **Jpn J Cancer Res** 1985 Nov; 76(11):1049–55
Anti-O-phosphotyrosine antibodies in human sera. Ogawa R, et al. **Microbiol Immunol** 1985;29(8):759–67
The FLP recombinase of the Saccharomyces cerevisiae 2 microns plasmid attaches covalently to DNA via a phosphotyrosyl linkage. Gronostajski RM, et al. **Mol Cell Biol** 1985 Nov;5(11):3274–9
Isolation of antibodies for phosphotyrosine by immunization with a v-abl oncogene-encoded protein. Wang JY. **Mol Cell Biol** 1985 Dec;5(12):3640–3
Insulin rapidly stimulates tyrosine phosphorylation of a Mr-185,000 protein in intact cells. White MF, et al. **Nature** 1985 Nov 14–20;318(6042):183–6
Cholecystokinin-associated COOH-terminal peptides are fully sulfated in pig brain. Eng J, et al. **Proc Natl Acad Sci USA** 1986 May;83(9):2832–5
Tyrosine sulfation of proteins from the human hepatoma cell line HepG2. Liu MC, et al. **Proc Natl Acad Sci USA** 1985 Nov;82(21):7160–4
Phosphotyrosine-containing proteins are concentrated in focal adhesions and intercellular junctions in normal cells. Maher PA, et al. **Proc Natl Acad Sci USA** 1985 Oct; 82(19):6576–80
Tyrosine phosphorylation of platelet protein induced by phorbol ester. Ishihara N, et al. **Thromb Haemost** 1985 Oct 30;54(3):579–85
Adjuvanticity of stearyl tyrosine on inactivated poliovirus vaccine. Landi S, et al. **Vaccine** 1986 Jun;4(2):99–104
[Tiropramide in the prevention of post-cholecystectomy disorders] Lelli A, et al. **Chir Patol Sper** 1984 Apr; 32(2):101–5 (Eng. Abstr.) **(Ita)**
[Effect of tiropramide on solid gastric emptying time in man] Corinaldesi R, et al. **Minerva Med** 1986 Apr 21;77(17):675–7 (Eng. Abstr.) **(Ita)**
[Clinical and instrumental evaluation by multiple colonic manometry of tiropramide, trimebutine and octylonium bromide in the irritable colon: I. Administration by single i.v.] Galeone M, et al. **Pharmatherapeutica** 1986;4(7):445–56 (Eng. Abstr.) **(Ita)**
[Clinical and instrumental evaluation by multiple colonic manometry of tiropramide, trimebutine and octylonium bromide in irritable colon. II. Repeated oral administration] Galeone M, et al. **Pharmatherapeutica** 1986;4(8):496–509 (Eng. Abstr.) **(Ita)**

ANALYSIS

The use of dithionite reduction to identify the essential tyrosine residue in the F1-ATPase from the thermophilic bacterium, PS3, that reacts with 7-chloro-4-nitrobenzofurazan. Verburg JG, et al. **Arch Biochem Biophys** 1986 Feb 15;245(1):8–13
Tyrosine-rich crystalloids in neoplasms and tissues of the head and neck. Harris BR, et al. **Arch Pathol Lab Med** 1986 Aug;110(8):709–12
The distances separating Tyr-69 from the high-affinity nucleotide and metal binding sites in actin. Barden JA, et al. **Biochem Int** 1986 Feb;12(2):321–9
Fluorescence energy transfer between Tyr 69 and Cys 374 in actin. Barden JA. **Biochem Int** 1985 Oct;11(4):583–9
Tyrosine and tryptophan modification monitored by ultraviolet resonance Raman spectroscopy. Caswell DS, et al. **Biochim Biophys Acta** 1986 Sep 5;873(1):73–8
Proximity relations between tyrosine and tryptophan residues in fd phage determined by luminescence measurements. Ghiron CA, et al. **Biochim Biophys Acta** 1986 Sep 5; 873(1):102–7
Comparative distribution of neuropeptide tyrosine-, vasoactive intestinal polypeptide-, substance P-immunoreactive, acetylcholinesterase-positive and noradrenergic nerves in the reproductive tract of the female rat. Papka RE, et al. **Cell Tissue Res** 1985;242(3):475–90
Kinetics of acetylation-deacetylation of angiotensin II. Intramolecular interactions of the tyrosine and histidine side-chains. Moore GJ. **Int J Pept Protein Res** 1985 Nov; 26(5):469–81
Evidence for the steric proximity of Tyr 174 and Lys 111 in bovine growth hormone. Nowicki C, et al. **Int J Pept Protein Res** 1985 Dec;26(6):568–74
Exposed tyrosine residues of lambda cro repressor protein evidenced by nitration and photo CIDNP experiments. Shirakawa M, et al. **J Biochem (Tokyo)** 1985 Sep; 98(3):799–805
4-Hydroxyphenylpyruvate dioxygenase is an iron-tyrosinate protein. Bradley FC, et al. **J Biol Chem** 1986 Sep 5; 261(25):11693–6
Identification of tyrosine and lysine peptides labeled by 5'-p-fluorosulfonylbenzoyl adenosine in the active site of pyruvate kinase. DeCamp DL, et al. **J Biol Chem** 1986 Apr 5;261(10):4499–503
Localization of the structural difference between bovine blood coagulation factors X1 and X2 to tyrosine 18 in the activation peptide. Morita T, et al. **J Biol Chem** 1986 Mar 25;261(9):4008–14
Distribution of tyrosinated and nontyrosinated alpha-tubulin during mitosis. Gundersen GG, et al. **J Cell Biol** 1986 Mar; 102(3):1118–26
Homogeneous [mono-125I-Tyr10]- and [mono-125I-Tyr13] glucagon. Pingoud V. **J Chromatogr** 1985 Aug 30; 331(1):125–32
Analysis of cheese for histamine, tyramine, tryptamine, histidine, tyrosine, and tryptophane. Chang SF, et al. **J Dairy Sci** 1985 Nov;68(11):2840–6
Site-directed mutagenesis shows that tyrosine 248 of carboxypeptidase A does not play a crucial role in catalysis. Gardell SJ, et al. **Nature** 1985 Oct 10–16;317(6037):551–5

BIOSYNTHESIS

Microbial preparation of L-[15N]tyrosine and [15N]tyramine and their gas chromatographic-mass spectrometric analyses. Kahana ZE, et al. **Anal Biochem** 1985 Sep; 149(2):549–54
Evolutionary implications of features of aromatic amino acid biosynthesis in the genus Acinetobacter. Byng GS, et al. **Arch Microbiol** 1985 Nov;143(2):122–9
In vivo studies on the formation of m-tyrosine and o-tyrosine from L-phenylalanine in rats. Ishimitsu S, et al. **Chem Pharm Bull (Tokyo)** 1986 Feb;34(2):768–74
Tyrosine biosynthesis in Sorghum bicolor: isolation and regulatory properties of arogenate dehydrogenase. Connelly JA, et al. **Z Naturforsch [C]** 1986 Jan–Feb; 41(1–2):69–78
Tyrosine biosynthesis in Sorghum bicolor: characteristics of prephenate aminotransferase. Siehl DL, et al. **Z Naturforsch [C]** 1986 Jan–Feb;41(1–2):79–86
[Isolation of Tyr- mutants of facultative methylotrophic Pseudomonas sp. M.] Olekhnovich IN, et al. **Genetika** 1986 Apr;22(4):705–8 (Eng. Abstr.) **(Rus)**
[Synthesis of tyrosine and 3,4-dihydroxyphenylalanine by Citrobacter freundii bacteria from lactic acid] Kupletskaia MB. **Prikl Biokhim Mikrobiol** 1985 May–Jun;21(3):342–8 (Eng. Abstr.) **(Rus)**

BLOOD

Association of specific tyrosine phosphorylation with stages of B-cell differentiation in human lymphoid leukemias. Kuratsune H, et al. **Biochem Biophys Res Commun** 1985 Dec 17;133(2):598–607
Concentrations of succinylacetone after homogentisate and tyrosine loading in healthy individuals with low fumarylacetoacetase activity. Kvittingen EA, et al. **Clin Chim Acta** 1985 Nov 15;152(3):271–9
HPLC assay of phenylalanine and tyrosine in blood spots on filter paper. Roesel RA, et al. **Clin Chim Acta** 1986 Apr 15;156(1):91–6
Metabolic syndromes with dermatologic manifestations. Irons M, et al. **Clin Rev Allergy** 1986 Feb;4(1):101–24 (81 ref.)
Prenatal diagnosis of tyrosinaemia type I by use of stable isotope dilution mass spectrometry [letter] Jakobs C, et al. **Eur J Pediatr** 1985 Jul;144(2):209–10
Prenatal diagnosis of hereditary tyrosinaemia type I by determination of fumarylacetoacetase in chorionic villus material [letter] Kvittingen EA, et al. **Eur J Pediatr** 1986 Apr;144(6):597–8
Role of leukocytes in ocular inflammation of tyrosinemia II. Ripple RE, et al. **Invest Ophthalmol Vis Sci** 1986 Jun; 27(6):926–31
Plasma tyrosine/neutral amino acid ratio correlated with clinical response to nortriptyline in endogenously depressed patients. Møller SE, et al. **J Affective Disord** 1985 Nov; 9(3):223–9
Determination of m-tyrosine and o-tyrosine in human serum by high-performance liquid chromatography with fluorimetric detection. Ishimitsu S, et al. **J Chromatogr** 1986 May 28;378(1):222–5
Resolution of the clinical features of tyrosinemia following orthotopic liver transplantation for hepatoma. Van Thiel DH, et al. **J Hepatol** 1986;3(1):42–8
Liver transplantation in a 23-year-old tyrosinaemia patient: effects on the renal tubular dysfunction. Kvittingen EA, et al. **J Inherited Metab Dis** 1986;9(2):216–24
Biopterin, neopterin and tyrosine responses to combined oral phenylalanine and tetrahydrobiopterin loading tests in two normal children and in a girl with partial biopterin deficiency. Lykkelund C, et al. **J Inherited Metab Dis** 1985; 8 Suppl 2:95–6
Cholestasis and hypermethioninemia during dietary management of hereditary tyrosinemia type 1. Ameen VZ, et al. **J Pediatr** 1986 Jun;108(6):949–52
Direct venous-arterial transfer of 125I-radiolabelled relaxin and tyrosine in the ovarian pedicle in sheep. Schramm W, et al. **J Reprod Fertil** 1986 Jul;77(2):513–21
L-tyrosine and L-tryptophan transport in red blood cells in normal subjects. Effects of other amino acids, temperature and medium of incubation. Widmer J, et al. **Neuropsychobiology** 1986;15(1):7–12
Plasma tryptophan and tyrosine ratios to competing amino acids in relation to antidepressant response to citalopram and maprotiline. A preliminary study. Møller SE, et al. **Psychopharmacology (Berlin)** 1986;88(1):96–100
[Tyrosinemia II] Kalimo K, et al. **Duodecim** 1985; 101(16):1585–9 (Eng. Abstr.) **(Fin)**
[Erythrocyte membrane transport of L-tyrosine and L-tryptophan in 66 patients with depressive syndromes. Preliminary results] Pringuey D, et al. **Acta Psychiatr Belg** 1986 Mar–Apr;86(2):131–40 (Eng. Abstr.) **(Fre)**
[Palmoplantar keratosis associated with keratitis: hereditary hypertyrosinemia treated by diet] Ogier H, et al. **Ann Med Interne (Paris)** 1986;137(2):129–32 (Eng. Abstr.) **(Fre)**
[Incurable keratitis and chronic palmoplantar hyperkeratosis with hypertyrosinemia. Cure using a tyrosine-restricted diet. Type II tyrosinemia] Hervé F, et al. **Arch Fr Pediatr** 1986 Jan;43(1):19–22 (Eng. Abstr.) **(Fre)**
[Hereditary tyrosinemia and vitamin-dependent rickets in Saguenay. A genetic and demographic approach] Bouchard G, et al. **Union Med Can** 1985 Aug;114(8):633–6 (Eng. Abstr.) **(Fre)**
[New observations on fetal liver cirrhosis associated with hereditary tyrosinemia] Gourdeau H, et al. **Union Med Can** 1985 Sep;114(9):762–4 (Eng. Abstr.) **(Fre)**
[Hereditary tyrosinemia] Rubecz I, et al. **Orv Hetil** 1985 Dec 22;126(51):3141–5 (Eng. Abstr.) **(Hun)**
[Chronic hereditary tyrosinemia: a possible cause of rickets] Napoli V, et al. **Radiol Med (Torino)** 1985 May;71(5):348–51 **(Ita)**
[Estimation and clinical significance of serum tyrosine concentrations in patients with liver disease] Endo R, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Oct; 82(10):2582–93 (Eng. Abstr.) **(Jpn)**
[Blood tyrosine level—a criterion of the optimal glucocorticoid therapy of patients with pemphigus] Alieva SA. **Vestn Dermatol Venerol** 1986;(3):18–21 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Cerebrospinal fluid monoamine precursor and metabolite levels in children treated for leukemia: age and sex effects and individual variability. Riddle MA, et al. **Biol Psychiatry** 1986 Jan;21(1):69–83

GENETICS

Molecular analysis of the promoter operator region of the Escherichia coli K-12 tyrP gene. Kasian PA, et al. **J Bacteriol** 1986 Aug;167(2):556-61

METABOLISM

Reactions of nitrogen dioxide in aqueous model systems: oxidation of tyrosine units in peptides and proteins. Prütz WA, et al. **Arch Biochem Biophys** 1985 Nov 15; 243(1):125-34

Whole-body nitrogen and tyrosine metabolism in surgical patients receiving branched-chain amino acid solutions. Desai SP, et al. **Arch Surg** 1985 Dec;120(12):1345-50

Effect of sustained exercise on concentrations of plasma aromatic and branched-chain amino acids and brain amines. Acworth I, et al. **Biochem Biophys Res Commun** 1986 May 29;137(1):149-53

Purification of mRNA coding for the enzyme deficient in hereditary tyrosinemia, fumarylacetoacetate hydrolase. Nicole LM, et al. **Biochem Cell Biol** 1986 May;64(5):489-93

1H n.m.r. studies of insulin. Assignment of resonances and properties of tyrosine residues. Bradbury JH, et al. **Biochem J** 1985 Aug 1;229(3):731-7

Quantification of the importance of individual steps in the control of aromatic amino acid metabolism. Salter M, et al. **Biochem J** 1986 Mar 15;234(3):635-47

K+-dependent stimulation of tyrosine hydroxylation in striatal slices: role of Ca2+/calmodulin and Ca2+/phospholipid-dependent mechanisms. Knorr AM, et al. **Biochem Pharmacol** 1986 Jun 15;35(12):1929-32

Catecholamine synthesis: physiological coupling to precursor supply. Milner JD, et al. **Biochem Pharmacol** 1986 Mar 15;35(6):875-81

Tyrosine transport into isolated rat brain synaptosomes. Ionic dependence and kinetic studies. Diez-Guerra FJ, et al. **Biochim Biophys Acta** 1986 May 28;857(2):209-16

Optimization of hydroxylation of tyrosine and tyrosine-containing peptides by mushroom tyrosinase. Marumo K, et al. **Biochim Biophys Acta** 1986 Jul 25; 872(1-2):98-103

Synthesis and biliary excretion of tyrosine-conjugated bile salts in Wistar rats. Mills CO, et al. **Biochim Biophys Acta** 1986 May 21;876(3):667-76

The effect of tyrosine conjugation on the critical micellar concentration of free and glycine-conjugated bile salts. Mills CO, et al. **Biochim Biophys Acta** 1986 May 21; 876(3):677-83

Interaction of tyrosine residues with the chromophore in bacteriorhodopsin. Takeda K, et al. **Biosci Rep** 1985 Jul; 5(7):615-23

Formation of m-tyrosine and o-tyrosine from L-phenylalanine in various tissues of rats. Ishimitsu S, et al. **Chem Pharm Bull (Tokyo)** 1985 Sep;33(9):3887-92

Intracellular transport and tyrosine sulfation of procollagens V. Fessler LI, et al. **Eur J Biochem** 1986 Aug 1;158(3):511-8

Vinculin and 36 kDa protein are not tyrosine-phosphorylated in Rous sarcoma virus infected cells which have been treated with interferon. Strube W, et al. **Eur J Cell Biol** 1985 Sep;38(2):226-33

Protein phosphorylation at tyrosine residues in v-abl transformed mouse lymphocytes and fibroblasts. Saggioro D, et al. **Int J Cancer** 1986 Apr 15;37(4):623-8

Aromatic amino acid requirement of the lactating sow. Lellis WA, et al. **J Anim Sci** 1985 Dec;61(6):1448-53

Studies on T. utilis tRNATyr variants with enzymatically altered D-loop sequences. II. Relationship between the tertiary structure and tyrosine acceptance. Ohyama T, et al. **J Biochem (Tokyo)** 1986 Mar;99(3):859-66

Tyrosine sulfation in precursors of collagen V. Fessler LI, et al. **J Biol Chem** 1986 Apr 15;261(11):5034-40

Tyrosine phosphorylation of a 94-kDa protein of human fibroblasts stimulated by streptococcal lipoteichoic acid. Ganguly CL, et al. **J Biol Chem** 1985 Oct 25; 260(24):13342-6

In vivo and in vitro tyrosine sulfation of a membrane glycoprotein. Liu N, et al. **J Biol Chem** 1986 Jan 15; 261(2):856-61

Similar control mechanisms regulate the insulin and type I insulin-like growth factor receptor kinases. Affinity-purified insulin-like growth factor I receptor kinase is activated by tyrosine phosphorylation of its beta subunit. Yu KT, et al. **J Biol Chem** 1986 Aug 25; 261(24):11341-9

Sensitive determination of tyrosine metabolites, p-hydroxyphenylacetic acid, 4-hydroxy-3-methoxyphenyl-acetic acid and 4-hydroxy-3-methoxymandelic acid, by gas chromatography-negative-ion chemical-ionization mass spectrometry. Application to a stable isotope-labelled tracer experiment to investigate their metabolism in man. Shimamura M, et al. **J Chromatogr** 1986 Jan 10;374(1):17-26

Selective and differential medium for the primary isolation of members of the Proteeae. Hawkey PM, et al. **J Clin Microbiol** 1986 Mar;23(3):600-3

Ionic requirements and subcellular localization of tubulin tyrosinolation in human polymorphonuclear leukocytes. Nath J, et al. **J Immunol** 1986 Jan;136(2):628-35

Phorbol ester induces tyrosine phosphorylation in normal and abnormal human B lymphocytes. Nel AE, et al. **J Immunol** 1985 Nov;135(5):3448-53

Tyrosine phosphorylation of a 66,000 Mr soluble protein in lectin-activated human peripheral blood T lymphocytes. Wedner HJ, et al. **J Immunol** 1986 Jun 1;136(11):4226-31

Mechanism of nasal absorption of drugs. II: Absorption of L-tyrosine and the effect of structural modification on its absorption. Huang CH, et al. **J Pharm Sci** 1985 Dec; 74(12):1298-301

Deuterium isotope effect in the transamination of p-tyrosine by rat liver tyrosine transaminase. Yu PH, et al. **Life Sci** 1985 Oct 7;37(14):1287-91

Tyrosine availability determines stimulus-evoked dopamine release from rat striatal slices. Milner JD, et al. **Neurosci Lett** 1985 Aug 30;59(2):215-20

Two juxtaposed tyrosyl-OH groups participate in phi X174 gene A protein catalysed cleavage and ligation of DNA. van Mansfeld AD, et al. **Nucleic Acids Res** 1986 May 27; 14(10):4229-38

Phosphorylation of tyrosine in the carboxyl-terminal tryptic peptide of pp60c-src. Laudano AP, et al. **Proc Natl Acad Sci USA** 1986 Feb;83(4):892-6

Interaction of vanadate with phenol and tyrosine: implications for the effects of vanadate on systems regulated by tyrosine phosphorylation. Tracey AS, et al. **Proc Natl Acad Sci USA** 1986 Feb;83(3):609-13

Tyr527 is phosphorylated in pp60c-src: implications for regulation. Cooper JA, et al. **Science** 1986 Mar 21; 231(4744):1431-4

[Effect of a single ethanol administration on the permeability of the hemato-encephalic barrier for 14C-tyrosine, 14C-DOPA and horseradish peroxidase] Burov IuV, et al. **Biull Eksp Biol Med** 1986 Mar;101(3):331-4 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effects of dietary protein and tyrosine on behavior of diabetic rats. Bellush LL, et al. **Am J Physiol** 1986 Aug;251(2 Pt 2):R371-80

Influences of amino acids on the circadian rhythms of brain neurotransmitters. Angelova C, et al. **Bibl Nutr Dieta** 1986; (38):72-81

Reduced brain norepinephrine metabolism in obese (ob/ob) mice is not normalized by tyrosine supplementation. Johnston JL, et al. **J Nutr** 1986 Mar;116(3):435-45

Effects of excess dietary tyrosine or certain xenobiotics on the cholesterogenesis in rats. Nagaoka S, et al. **J Nutr** 1986 May;116(5):726-32

Acute effects of oral or parenteral aspartame on catecholamine metabolism in various regions of rat brain. Yokogoshi H, et al. **J Nutr** 1986 Mar;116(3):356-64

Effect of dietary level of protein or methionine and threonine on the amino acids and catecholamines in brain of rats fed a high tyrosine diet. Yokogoshi H. **J Nutr Sci Vitaminol (Tokyo)** 1985 Oct;31(5):519-31

Dietary tyrosine suppresses the rise in plasma corticosterone following acute stress in rats. Reinstein DK, et al. **Life Sci** 1985 Dec 9;37(23):2157-63

Effects of L-dopa and L-tyrosine on release of free and conjugated dopamine, homovanillic acid and dihydroxyphenylacetic acid from slices of rat striatum. Tyce GM, et al. **Life Sci** 1985 Dec 23;37(25):2439-48

Effects of L-tyrosine on brain monoamines in rats given intravenous amphetamine. Smith DG, et al. **Subst Alcohol Actions Misuse** 1984-85;5(6):293-8

[Effect of tyrosine on serum concentrations of LH, FSH and testosterone in adult men] Ni J, et al. **Sheng Li Hsueh Pao** 1985 Jun;37(3):303-6 (Eng. Abstr.) **(Chi)**

PHYSIOLOGY

Involvement of tyrosyl residues in the structure-function relationships of D-beta-hydroxybutyrate dehydrogenase: a phospholipid-requiring enzyme. el Kebbaj MS, et al. **Arch Biochem Biophys** 1986 Feb 1;244(2):671-7

Inhibition of phosphate transport in human erythrocytes by 7-chloro-4-nitrobenzo-2-oxa-1,3-diazole (NBD-Cl). Craik JD, et al. **Biochim Biophys Acta** 1986 Apr 25; 856(3):602-9

THERAPEUTIC USE

Tyrosine and hypertension. Mauron J. **Bibl Nutr Dieta** 1986; (38):209-18

Neurotransmitter precursor therapies in affective disorders. von Lerber-Good WF. **Int J Vitam Nutr Res [Suppl]** 1986; 29:69-82 (39 ref.)

Amino acid supplementation as therapy for attention deficit disorder. Nemzer ED, et al. **J Am Acad Child Psychiatry** 1986 Jul;25(4):509-13

Tyrosine for the treatment of depression. Gelenberg AJ, et al. **Nutr Health** 1984;3(3):163-73 (44 ref.)

Effect of l-p-tyrosine on the development of renal hypertension in rats. Lockley OE, et al. **Pharmacology** 1985; 31(3):132-49

TYROSINE AMINOTRANSFERASE

ANALYSIS

New sensitive high-performance liquid chromatographic method for p-tyrosine aminotransferase assay. Yu PH, et al. **J Chromatogr** 1986 Jul 4;362(1):55-9

ANTAGONISTS & INHIBITORS

Inhibition of aromatic L-amino acid decarboxylase and tyrosine aminotransferase by the monoamine oxidase inhibitor phenelzine. Dyck LE, et al. **J Neurochem** 1986 Jun;46(6):1899-903

BIOSYNTHESIS

Diacylglycerol amplifies the induction in vivo of tyrosine aminotransferase and ornithine decarboxylase by glucocorticoid. Kido H, et al. **Biochem Biophys Res Commun** 1986 Jul 16;138(1):275-82

Phorbol ester inhibition of hormonal induction of tyrosine aminotransferase. Koontz JW, et al. **Biochem Biophys Res Commun** 1985 Sep 16;131(2):815-20

The synergistic interaction of hydrocortisone and dibutyryl cyclic AMP during enzyme induction in hybrids between rat C6 glioma cells and FU5AH hepatoma cells. Meyer R, et al. **Biochim Biophys Acta** 1986 Apr 8;886(1):143-51

Glucocorticoid regulation of hepatic cytosolic glucocorticoid receptors in vivo and its relationship to induction of tyrosine aminotransferase. Shirwany TA, et al. **Biochim Biophys Acta** 1986 Apr 8;886(1):162-8

Regulation of insulin and insulin-like growth factor (IGF) responsiveness by IGFs in rat hepatoma cells. Heaton JH, et al. **Endocrinology** 1986 Jun;118(6):2555-60

A new glucocorticoid receptor species: relation to induction of tryptophan dioxygenase by glucocorticoids. Hirota T, et al. **Endocrinology** 1985 Nov;117(5):1788-95

Influence of ethanol, nicotinamide, orotic acid and caffeine upon the induction of tyrosine aminotransferase, the NAD content and the ADPR transferase activity in rat liver. Kröger H, et al. **Gen Pharmacol** 1986;17(1):43-8

DEFICIENCY

[Tyrosinemia II] Kalimo K, et al. **Duodecim** 1985; 101(16):1585-9 (Eng. Abstr.) **(Fin)**

GENETICS

Insulin enhances transcription of the tyrosine aminotransferase gene in rat liver. Lee KL, et al. **Arch Biochem Biophys** 1986 Aug 1;248(2):597-603

Inhibition of steroid-inducible tyrosine aminotransferase gene expression by N-methyl-N'-nitro-N-nitrosoguanidine in a rat hepatoma cell line. Miller MS, et al. **Carcinogenesis** 1986 Aug;7(8):1273-8

The human tyrosine aminotransferase gene mapped to the long arm of chromosome 16 (region 16q22----q24) by somatic cell hybrid analysis and in situ hybridization. Barton DE, et al. **Hum Genet** 1986 Mar;72(3):221-4

Assignment of the human tyrosine aminotransferase gene to chromosome 16. Natt E, et al. **Hum Genet** 1986 Mar; 72(3):225-8

Isolation, characterization and chromosomal mapping of the mouse tyrosine aminotransferase gene. Müller G, et al. **J Mol Biol** 1985 Aug 5;184(3):367-73

The effect of age on the induction of tyrosine aminotransferase and tryptophan oxygenase genes by physiological stress. Wellinger R, et al. **Mech Ageing Dev** 1986 Apr;34(2):203-17

Chromosomal assignment and trans regulation of the tyrosine aminotransferase structural gene in hepatoma hybrid cells. Peterson TC, et al. **Mol Cell Biol** 1985 Sep;5(9):2491-4

METABOLISM

Effect of acetaldehyde treatment in vivo on rat liver tryptophan oxygenase and tyrosine aminotransferase activities. Shiohara E, et al. **Arukoru Kenkyuto Yakubutsu Ison** 1985 Dec;20(4):388-94

Effects of an antitumoural rhodium complex on thioacetamide-induced liver tumor in rats. Changes in the activities of ornithine decarboxylase, tyrosine aminotransferase and of enzymes involved in fatty acid and glycerolipid synthesis. Cascales C, et al. **Biochem Pharmacol** 1986 Aug 15;35(16):2655-61

Lipid peroxidation and activities of tyrosine aminotransferase and glutamine synthetase in hepatoma and glioma cells grown in bovine colostrum-supplemented medium. Odland L, et al. **In Vitro Cell Dev Biol** 1986 May;22(5):259-62

Deuterium isotope effect in the transamination of p-tyrosine by rat liver tyrosine transaminase. Yu PH, et al. **Life Sci** 1985 Oct 7;37(14):1287-91

Effects of saikosaponins on liver tyrosine aminotransferase activity induced by cortisone in adrenalectomized rats. Hashimoto M, et al. **Planta Med** 1985 Oct;(5):401-3

[The glucocorticoid receptors and the induction of tyrosine aminotransferase by glucocorticoid in the human liver cancer cell line (SMMC-7721) in vitro] Lu J, et al. **Shih Yen Sheng Wu Hsueh Pao** 1985 Jun;18(2):231-8 (Eng. Abstr.) **(Chi)**

[The effect of sex factors on the interaction of progesterone and glucocorticoids during increased tyrosine aminotransferase and tryptophane pyrrolase activity in the liver in rats] Németh S. **Bratisl Lek Listy** 1986 Jan; 85(1):19-23 (Eng. Abstr.) **(Slo)**

TYROSINE DECARBOXYLASE

Evaluations of tyrosine apodecarboxylase assays for pyridoxal phosphate. Fonda ML. **Anal Biochem** 1986 May 15;155(1):14-22

Measurement of plasma pyridoxal 5'-phosphate by combination of an enzymatic assay with high-performance liquid chromatography/electrochemistry. Lequeu B, et al. **Anal Biochem** 1985 Sep;149(2):296-300

TYROSINE HYDROXYLASE

ANALYSIS

Relationships between catecholaminergic neurons and cholecystokinin-containing neurons in the caudal part of the dorsomedial medulla oblongata of the rat: light and electron microscopic observations by the 'mirror technique'. Kubota Y, et al. **Brain Res** 1986 Apr 9; 370(2):343-8

Presynaptic dopamine and serotonin receptors modulating tyrosine hydroxylase activity in synaptosomes of the nucleus accumbens of rats. Hetey L, et al. **Eur J Pharmacol** 1985 Jul 11;113(1):1-10

Electron microscopic analysis of tyrosine hydroxylase, dopamine-beta-hydroxylase and phenylethanolamine-N-methyltransferase immunoreactive innervation of the hypothalamic paraventricular nucleus in the rat. Liposits Z, et al. **Histochemistry** 1986; 84(2):105-20

Early development of tyrosine hydroxylase-like and substance P-like immunoreactivity in the human fetal retina. Nguyen-Legros J, et al. **Hum Neurobiol** 1986; 5(2):115-20

Distribution of tyrosine hydroxylase and neuropeptide Y-like immunoreactive neurons in rabbit medulla oblongata, with attention to colocalization studies, presumptive adrenaline-synthesizing perikarya, and vagal preganglionic cells. Blessing WW, et al. **J Comp Neurol** 1986 Jun 8; 248(2):285-300

Ontogeny of phenylethanolamine N-methyltransferase- and tyrosine hydroxylase-like immunoreactivity in presumptive adrenaline neurones of the foetal rat central nervous system. Foster GA, et al. **J Comp Neurol** 1985 Jun 15; 236(3):348-81

A monoclonal antibody against tyrosine hydroxylase: application in light and electron microscopy. Semenenko FM, et al. **J Histochem Cytochem** 1986 Jun;34(6):817-21

An improved method for tyrosine hydroxylase immunolabeling of catecholamine cells in whole mounted rat retina. Versaux-Botteri C, et al. **J Histochem Cytochem** 1986 Jun;34(6):743-7

Tyrosine hydroxylase immunoreactive neurons throughout the hypothalamus receive glutamate decarboxylase immunoreactive synapses: a double pre-embedding immunocytochemical study with particulate silver and HRP. van den Pol AN. **J Neurosci** 1986 Mar;6(3):877-91

Molecular and physiological properties of tyrosine hydroxylase induced by reserpine in rat adrenal gland. Togari A, et al. **Life Sci** 1985 Oct 28;37(17):1605-11

Tyrosine hydroxylase in magnocellular neurosecretory neurons. Response to physiological manipulations. Kiss JZ, et al. **Neuroendocrinology** 1986;43(4):519-25

Anatomical evidence for interactions between catecholamine- and adrenocorticotropin-containing neurons. Baker H, et al. **Neuroscience** 1986 Feb; 17(2):469-84

Injury of nigral neurons exposed to 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine: a tyrosine hydroxylase immunocytochemical study in monkey. Kitt CA, et al. **Neuroscience** 1986 Apr;17(4):1089-103

ANTAGONISTS & INHIBITORS

Failure of alpha-methyltyrosine to prevent hypertensive crisis in pheochromocytoma. Ram CV, et al. **Arch Intern Med** 1985 Nov;145(11):2114-5

Study of dopamine turnover by monitoring the decline of dopamine metabolites in rat CSF after alpha-methyl-p-tyrosine. Mignot E, et al. **J Neurochem** 1985 Nov;45(5):1527-33

Inhibitory action of hydralazine on catecholamine-synthesizing enzymes prepared from bovine adrenal medulla. Morita K, et al. **Jpn J Pharmacol** 1986 Mar;40(3):445-53

Is inhibition of striatal synaptosomal tyrosine hydroxylation by dopamine agonists a measure of dopamine autoreceptor function? Fowler CJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Oct; 331(1):12-9

Direct inhibition of tyrosine hydroxylase from PC-12 cells by catechol derivatives. Laschinski G, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Apr; 332(4):346-50

Some catecholamine inhibitors do not cause accumulation of nuclear estrogen receptors in rat hypothalamus and anterior pituitary gland. Blaustein JD, et al. **Neuroendocrinology** 1986;43(2):143-9

Effect of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) on striatal tyrosine hydroxylase and tryptophan hydroxylase in rat. Matsuda LA, et al. **Neuropharmacology** 1986 Mar;25(3):249-55

Testosterone inhibition of tyrosine hydroxylase expression in the hypothalamic arcuate nucleus. Brawer J, et al. **Neurosci Lett** 1986 Jun 30;67(3):313-8

Early and late effects of systemically administered 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) on tyrosine hydroxylase activity in vitro and on tyrosine hydroxylation in tissue slices of mouse striatum. Hirata Y, et al. **Neurosci Lett** 1986 Jul 24;68(2):245-8

Inhibition of myocardial tyrosine hydroxylase during myocardial ischemia. Vulliet PR, et al. **Proc West Pharmacol Soc** 1985;28:57-9

BIOSYNTHESIS

Effect of chronic cold exposure on tyrosine hydroxylase mRNA in rat adrenal gland. Stachowiak M, et al. **Brain Res** 1985 Dec 16;359(1-2):356-9

A single RNA species injected in Xenopus oocyte directs the synthesis of active tyrosine hydroxylase. Horellou P, et al. **FEBS Lett** 1986 Sep 1;205(1):6-10

Thyroid hormone binding and regulation of adrenergic enzymes in two neuroblastoma cell lines. Safaei R, et al. **J Neurochem** 1985 Nov;45(5):1405-10

GENETICS

Homology between phenylalanine and tyrosine hydroxylases reveals common structural and functional domains. Ledley FD, et al. **Biochemistry** 1985 Jul 2;24(14):3389-94

Localization of the human tyrosine hydroxylase gene to 11p15: gene duplication and evolution of metabolic pathways. Craig SP, et al. **Cytogenet Cell Genet** 1986; 42(1-2):29-32

Time course of the changes of TH mRNA in rat brain and adrenal medulla after a single injection of reserpine. Biguet NF, et al. **EMBO J** 1986 Feb;5(2):287-91

Isolation and sequence of a cDNA clone which contains the complete coding region of rat phenylalanine hydroxylase. Structural homology with tyrosine hydroxylase, glucocorticoid regulation, and use of alternate polyadenylation sites. Dahl HH, et al. **J Biol Chem** 1986 Mar 25;261(9):4148-53

Sequence homology between tyrosine hydroxylase mRNA and a rat adrenal medullary cDNA. O'Malley KL. **J Neurosci Res** 1986;16(1):3-12

Tyrosine 3-hydroxylase in rat brain and adrenal medulla: hybridization histochemistry and immunohistochemistry combined with retrograde tracing. Schalling M, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(16):6208-12

Genes for neurotransmitter synthesis, storage and release. Joh TH. **Prog Clin Biol Res** 1985;192:423-9

ISOLATION & PURIFICATION

[Copurification of tyrosine hydroxylase from rat pheochromocytoma by protein kinase] Pigeon D, et al. **C R Acad Sci [III]** 1986;302(12):435-8 (Eng. Abstr.) (Fre)

METABOLISM

Modulation by basic polypeptides of ATP-induced activation of tyrosine hydroxylase prepared from bovine adrenal medulla. Morita K, et al. **Arch Biochem Biophys** 1986 May 15;247(1):84-90

Activation of tyrosine hydroxylase by Ca2+-dependent neutral protease, calpain. Togari A, et al. **Biochem Biophys Res Commun** 1986 Jan 29;134(2):749-54

Transient expression of tyrosine hydroxylase immunoreactivity in some neurons of the rat neocortex during postnatal development. Berger B, et al. **Brain Res** 1985 Nov;355(1):141-4

Ontogenesis of immunoreactive tyrosine hydroxylase-containing neurons in rat hypothalamus. Daikoku S, et al. **Brain Res** 1986 Jul;393(1):85-98

Depolarizing stimuli increase tyrosine hydroxylase in the mouse locus coeruleus in culture. Dreyfus CF, et al. **Brain Res** 1986 Aug 6;379(2):216-22

Changes in tyrosine hydroxylase, glutamic acid decarboxylase and choline acetyltransferase after local microinoculation of scrapie agent into the nigrostriatal system of the golden hamster. Durand-Gorde JM, et al. **Brain Res** 1985 Aug 26;341(2):243-51

Differential ontogeny of three putative catecholamine cell types in the postnatal rat retina. Foster GA, et al. **Brain Res** 1985 Oct;354(2):187-96

Stimulation of retinal dopamine biosynthesis in vivo by exogenous tetrahydrobiopterin: relationship to tyrosine hydroxylase activation. Iuvone PM, et al. **Brain Res** 1985 Dec 16;359(1-2):392-6

Synaptic connections between serotoninergic axon terminals and tyrosine hydroxylase-immunoreactive neurons in the arcuate nucleus of the rat hypothalamus. A combination of electron microscopic autoradiography and immunocytochemistry. Kiss J, et al. **Brain Res** 1986 Feb 5;364(2):284-94

Coexistence of immunoreactivities for glutamate decarboxylase and tyrosine hydroxylase in some neurons in the periglomerular region of the rat main olfactory bulb: possible coexistence of gamma-aminobutyric acid (GABA) and dopamine. Kosaka T, et al. **Brain Res** 1985 Sep 16; 343(1):166-71

So-called interplexiform cells immunoreactive to tyrosine hydroxylase or somatostatin in rat retina. Negishi K, et al. **Brain Res** 1985 Oct 28;346(1):136-40

Neurotoxic effects of N-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) in the cat. Tyrosine hydroxylase immunohistochemistry. Schneider JS, et al. **Brain Res** 1986 May 14;373(1-2):258-67

Ultrastructural analysis of synapses involving tyrosine hydroxylase-containing neurons in the ventral periventricular hypothalamus of the macaque. Thind KK, et al. **Brain Res** 1986 Feb 26;366(1-2):37-52

Identification of dopamine-containing cell bodies in the dorsal and median raphe nuclei of the rat brain using tyrosine hydroxylase immunochemistry. Trulson ME, et al. **Brain Res Bull** 1985 Aug;15(2):229-34

Regulation of tyrosine hydroxylase-containing amacrine cell number in larval frog retina. Reh TA, et al. **Dev Biol** 1986 Apr;114(2):463-9

Relationship of age, sex, and reproductive status to the quantity of tyrosine hydroxylase in the median eminence and superior cervical ganglion of the rat. Porter JC. **Endocrinology** 1986 Apr;118(4):1426-32

Evidence for a specific effect of BHT 920, an azepine derivative, on tyrosine hydroxylase in the dopaminergic system of the rat. Jennewein HM, et al. **Eur J Pharmacol** 1986 Apr 29;123(3):363-9

1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) administration to C57-black mice leads to parallel decrements in neostriatal dopamine content and tyrosine hydroxylase activity. Mayer RA, et al. **Eur J Pharmacol** 1986 Jan 29;120(3):375-7

A combined light and electron microscopic immunocytochemical method for the simultaneous localization of multiple tissue antigens. Tyrosine hydroxylase immunoreactive innervation of corticotropin releasing factor synthesizing neurons in the paraventricular nucleus of the rat. Liposits Z, et al. **Histochemistry** 1986; 85(2):95-106

The distribution of sympathetic adrenergic, tyrosine hydroxylase- and neuropeptide Y-immunoreactive nerves in human axillary sweat glands. Tainio H, et al. **Histochemistry** 1986;85(2):117-20

Identification of four phosphorylation sites in the N-terminal region of tyrosine hydroxylase. Campbell DG, et al. **J Biol Chem** 1986 Aug 15;261(23):10489-92

Effects of phorbol ester on tyrosine hydroxylase phosphorylation and activation in cultured bovine adrenal chromaffin cells. Pocotte SL, et al. **J Biol Chem** 1986 Feb 5;261(4):1873-7

Laminin increases both levels and activity of tyrosine hydroxylase in calf adrenal chromaffin cells. Acheson A, et al. **J Cell Biol** 1986 Jan;102(1):151-9

Ca2+-dependent phosphorylation of tyrosine hydroxylase in PC12 cells. Nose PS, et al. **J Cell Biol** 1985 Oct; 101(4):1182-90

The fine structural organization of tyrosine hydroxylase immunoreactive neurons in rat arcuate nucleus. Piotte M, et al. **J Comp Neurol** 1985 Sep 1;239(1):44-53

The distribution of tyrosine hydroxylase, dopamine-beta-hydroxylase, and phenylethanolamine-N-methyltransferase immunoreactive neurons in the feline medulla oblongata. Reiner PB, et al. **J Comp Neurol** 1986 Jun 22;248(4):518-31

LHRH and catecholamine neuronal systems in the olfactory bulb of the mouse. Rosser AE, et al. **J Comp Neurol** 1986 Aug 15;250(3):352-63

Regulation of guanosine triphosphate cyclohydrolase and tetrahydrobiopterin levels and the role of the cofactor in tyrosine hydroxylation in primary cultures of adrenomedullary chromaffin cells. Abou-Donia MM, et al. **J Neurochem** 1986 Apr;46(4):1190-9

Tyrosine hydroxylase activation in mesocortical 3,4-dihydroxyphenylethylamine neurons following footshock. Iuvone PM, et al. **J Neurochem** 1986 Sep; 47(3):837-44

Presynaptic dopamine autoreceptors control tyrosine hydroxylase activation in depolarized striatal dopaminergic terminals. el Mestikawy S, et al. **J Neurochem** 1986 Jan; 46(1):12-22

Cholinergic receptor-mediated phosphorylation and activation of tyrosine hydroxylase in cultured bovine adrenal chromaffin cells. Pocotte SL, et al. **J Neurochem** 1986 Feb;46(2):610-22

Phorbol 12,13-dibutyrate increases tyrosine hydroxylase activity in the superior cervical ganglion of the rat. Wang M, et al. **J Neurochem** 1986 Feb;46(2):388-93

Enhanced phosphorylation of tyrosine hydroxylase at more than one site is induced by 56 mM K+ in rat pheochromocytoma PC12 cells in culture. Yanagihara N, et al. **J Neurochem** 1986 Feb;46(2):562-8

Tyrosine hydroxylase in the rat parabrachial region: ultrastructural localization and extrinsic sources of immunoreactivity. Milner TA, et al. **J Neurosci** 1986 Sep; 6(9):2585-603

A simplified 14CO2-trapping microassay for tyrosine hydroxylase activity. Shen RS, et al. **J Neurosci Methods** 1986 Apr;16(2):163-73

Activities of cerebral dihydropteridine reductase and tyrosine hydroxylase in chronic uremia in rats. Mullen BJ, et al. **J Natr** 1986 Jul;116(7):1298-305

Tyrosine hydroxylase activity in the sympathoadrenal system under basal and stressful conditions: effect of 6-hydroxydopamine. Fluharty SJ, et al. **J Pharmacol Exp Ther** 1985 Nov;235(2):354-60

The effects of reserpine and haloperidol on tyrosine hydroxylase activity in the brains of aged rats. Fine MI, et al. **Life Sci** 1986 Jul 21;39(3):235-41

In situ activity and phosphorylation of tyrosine hydroxylase in the median eminence. Porter JC. **Mol Cell Endocrinol** 1986 Jun;46(1):21-7

Dopamine autoreceptor regulation of the kinetic state of striatal tyrosine hydroxylase. Strait KA, et al. **Mol Pharmacol** 1986 Jun;29(6):561–9

Coexistence of tyrosine hydroxylase and growth hormone–releasing factor in a subpopulation of tubero–infundibular neurons of the rat. Meister B, et al. **Neuroendocrinology** 1986;42(3):237–47

Coexistence of growth hormone releasing factor–like and tyrosine hydroxylase–like immunoreactivities in neurons of the rat arcuate nucleus. Okamura H, et al. **Neuroendocrinology** 1985 Aug;41(2):177–9

Tyrosine hydroxylase and 28K–vitamin D–dependent calcium binding protein are localized in different subpopulations of periglomerular cells of the rat olfactory bulb. Halász N, et al. **Neurosci Lett** 1985 Oct 24; 61(1–2):103–7

Vasoactive intestinal peptide increases tyrosine hydroxylase activity in normal and neoplastic rat chromaffin cell cultures. Tischler AS, et al. **Neurosci Lett** 1985 Oct 24; 61(1–2):141–6

Catecholaminergic neurites in senile plaques in prefrontal cortex of aged nonhuman primates. Kitt CA, et al. **Neuroscience** 1985 Nov;16(3):691–9

Low–frequency septal stimulation increases tyrosine hydroxylase activity in the hippocampus. Graham–Jones S, et al. **Pharmacol Biochem Behav** 1985 Oct;23(4):489–93

Direct activation of tyrosine hydroxylase by calmodulin. Vulliet PR. **Proc West Pharmacol Soc** 1985;28:27–30

[Catecholaminergic centers of the sheep encephalon. Immunocytochemistry. II. Mesencephalon and diencephalon] Tillet Y, et al. **C R Acad Sci [III]** 1986; 302(5):151–6 (Eng. Abstr.) **(Fre)**

[Topography of the catecholamine neurons in the brain stem of the human fetus: an immunohistochemical study using antibodies to tyrosine hydroxylase] Takahashi H, et al. **No To Shinkei** 1986 Jan;38(1):87–97 (Eng. Abstr.) **(Jpn)**

SECRETION

Restricted diffusion of tyrosine hydroxylase and phenylethanolamine N–methyltransferase from digitonin–permeabilized adrenal chromaffin cells. Kelner KL, et al. **Proc Natl Acad Sci USA** 1986 May; 83(9):2998–3002

TYROSINE PHENOL–LYASE see under **LYASES**

TYROSINE PROTEIN KINASE see **PROTEIN–TYROSINE KINASE**

TYROSINE SPECIFIC PROTEIN KINASE see **PROTEIN–TYROSINE KINASE**

TYROSYL T RNA SYNTHETASE see under **AMINO ACYL T RNA SYNTHETASES**

UBIQUINONE

Fluorescence probe studies of the interaction of ubiquinone–10 and ubiquinol–10 with phosphatidylcholine bilayers. Aranda FJ, et al. **Biochem Int** 1986 Jan; 12(1):137–43

Studies of protein–phospholipid interaction in isolated mitochondrial ubiquinone–cytochrome c reductase. Gwak SH, et al. **Biochim Biophys Acta** 1985 Sep 19;809(2):187–98

Location of ubiquinone–10 (CoQ–10) in phospholipid vesicles. Michaelis L, et al. **Biochim Biophys Acta** 1985 Nov 21;821(1):121–9

Proton magnetic resonance spectroscopic studies of the interaction of ubiquinone–10 with phospholipid model membranes. Ondarroa M, et al. **Eur J Biochem** 1986 Mar 3;155(2):353–61

ANALOGS & DERIVATIVES

The effect of coenzyme Q10 against the attack of phospholipase to myocardial membrane. Miyazaki Y, et al. **Arzneimittelforschung** 1986 Feb;36(2):187–9

Intestinal absorption enhancement of coenzyme Q10 with a lipid microsphere. Ozawa Y, et al. **Arzneimittelforschung** 1986 Apr;36(4):689–90

Fluorescence probe studies of the interaction of ubiquinone–10 and ubiquinol–10 with phosphatidylcholine bilayers. Aranda FJ, et al. **Biochem Int** 1986 Jan; 12(1):137–43

Coenzyme Q analogues reconstitute electron transport and proton ejection but not the antimycin–induced "red shift" in mitochondria from coenzyme Q deficient mutants of the yeast Saccharomyces cerevisiae. Beattie DS, et al. **Biochemistry** 1986 Mar 25;25(6):1395–402

Synthesis and biological activity of derivatives of ubiquinone: photoaffinity analogues containing the 4–azido–2–nitroanilino group. Campbell HD, et al. **Biochemistry** 1986 Jan 14;25(1):172–7

Determination of partition and lateral diffusion coefficients of ubiquinones by fluorescence quenching of n–(9–anthroyloxy)stearic acids in phospholipid vesicles and mitochondrial membranes. Fato R, et al. **Biochemistry** 1986 Jun 3;25(11):3378–90

Effect of alkyl side chain variation on the electron–transfer activity of ubiquinone derivatives. Yu CA, et al. **Biochemistry** 1985 Jul 16;24(15):3897–902

Identification of ubiquinone–binding proteins in yeast mitochondrial ubiquinol–cytochrome c reductase using an azido–ubiquinone derivative. Yu L, et al. **Biochim Biophys Acta** 1986 Mar 12;848(3):305–11

Protective effect of coenzyme Q10 against hypoxic cellular damage. Suzuki N, et al. **Chem Pharm Bull (Tokyo)** 1985 Jul;33(7):2896–903

Effect of coenzyme Q10 on endotoxin shock in dogs. Yasumoto K, et al. **Crit Care Med** 1986 Jun;14(6):570–4

Research on coenzyme Q10 in clinical medicine and in immunomodulation. Folkers K, et al. **Drugs Exp Clin Res** 1985;11(8):539–45

Effective treatment with coenzyme Q10 of patients with chronic myocardial disease. Langsjoen PH, et al. **Drugs Exp Clin Res** 1985;11(8):577–9

In vitro effect of different ubiquinones on the scavenging of biologically generated O2–. Littarru GP, et al. **Drugs Exp Clin Res** 1985;11(8):529–32

Long–term coenzyme Q10 therapy: a major advance in the management of resistant myocardial failure. Mortensen SA, et al. **Drugs Exp Clin Res** 1985;11(8):581–93

Effect of coenzyme Q10 on stress–induced cardiac dysfunction in paediatric patients with mitral valve prolapse: a study by stress echocardiography. Oda T. **Drugs Exp Clin Res** 1985;11(8):557–76

Inhibitory effects of several anthracyclines on mitochondrial respiration and coenzyme Q10 protection. Solaini G, et al. **Drugs Exp Clin Res** 1985;11(8):533–7

11C–coenzyme Q10: a new myocardial imaging tracer for positron emission tomography. Ishiwata K, et al. **Eur J Nucl Med** 1985;11(5):162–5

Evidence for a mobile semiquinone in the redox cycle of the mammalian cytochrome bc1 complex. Rich PR, et al. **FEBS Lett** 1986 Jan 1;194(1):176–82

Tissue concentrations of coenzyme Q in liver of rats intoxicated by carbon tetrachloride. Bertelli A, et al. **Int J Tissue React** 1986;8(4):343–6

Discrete catalytic sites for quinone in the ubiquinol–cytochrome c2 oxidoreductase of Rhodopseudomonas capsulata. Evidence from a mutant defective in ubiquinol oxidation. Robertson DE, et al. **J Biol Chem** 1986 Jan 15;261(2):584–91

The effect of Coenzyme Q10 on reperfusion injury in canine myocardium. Nagai S, et al. **J Mol Cell Cardiol** 1985 Sep; 17(9):873–84

Serum levels of coenzyme Q10 and lipids in patients during total parenteral nutrition. Okamoto T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1986 Feb;32(1):1–12

Reperfusate composition: supplemental role of intravenous and intracoronary coenzyme Q10 in avoiding reperfusion damage. Okamoto F, et al. **J Thorac Cardiovasc Surg** 1986 Sep;92(3 Pt 2):573–82

Effects of immunostimulation with OK432, coenzyme Q10, or levamisole on dimethylhydrazine–induced colonic carcinogenesis in rats. Suzuki H, et al. **Jpn J Surg** 1986 Mar;16(2):152–5

Effects of coenzyme Q10 on anoxia–induced changes in cultured adult rat cardiomyocytes. Yamana K, et al. **Kurume Med J** 1985;32(3):163–8

Treatment of Kearns–Sayre syndrome with coenzyme Q10. Ogasahara S, et al. **Neurology** 1986 Jan;36(1):45–53

Survival effect of coenzyme Q10 and naloxone on experimental stroke gerbils. Ogawa N, et al. **Pharmacol Biochem Behav** 1986 Feb;24(2):315–7

[Treatment of patients with congestive heart failure with coenzyme Q10 in an open trial] Cascone A, et al. **Boll Chim Farm** 1985 May;124(5):43S–52S (Eng. Abstr.) **(Ita)**

[Coenzyme Q10 (ubidecarenone) in the treatment of senile cardiopathy and of the toxic effects of antiblastic therapy] Cogo R, et al. **Boll Chim Farm** 1986 Mar;125(3):5S–11S (Eng. Abstr.) **(Ita)**

[Ubidecarenone in the treatment of various cardiopathies in patients with chronic hepatopathies] Corsini G, et al. **Boll Chim Farm** 1986 Mar;125(3):12S–15S (Eng. Abstr.) **(Ita)**

[Therapy of ischemic or toxic cardiopathies with ubidecarenone. Open study in a urologic ward] Durval A. **Boll Chim Farm** 1986 Mar;125(3):16S–20S (Eng. Abstr.) **(Ita)**

[Coenzyme Q10 in the treatment of cardiopathies in an analgesic intensive care unit] Franchi G. **Boll Chim Farm** 1986 Mar;125(3):21S–27S (Eng. Abstr.) **(Ita)**

[Therapy with ubidecarenone in various cardiopathies with and without decompensation. Comparison with a standard therapy] Ghiringhelli G. **Boll Chim Farm** 1986 Mar; 125(3):28S–33S (Eng. Abstr.) **(Ita)**

[Ubidecarenone (coenzyme Q10) in the therapy of chronic cor pulmonale] Gini M, et al. **Boll Chim Farm** 1985 Apr; 124(4):21S–28S (Eng. Abstr.) **(Ita)**

[Ubidecarenone and toxic cardiopathy from antiblastic therapy with daunoblastine] Luccarelli G, et al. **Boll Chim Farm** 1986 Mar;125(3):34S–39S (Eng. Abstr.) **(Ita)**

[Comparison of the relative bioavailability of coenzyme Q10 in two tablet preparations. The use of coenzyme Q10 in geriatric gynecologic surgery] Mazzari MG. **Boll Chim Farm** 1985 Apr;124(4):29S–36S (Eng. Abstr.) **(Ita)**

[Therapeutic activity of coenzyme Q10 (ubidecarenone) in ischemic and sclerotic cardiopathies] Pagliano F. **Boll Chim Farm** 1986 Mar;125(3):40S–45S (Eng. Abstr.) **(Ita)**

[Ubidecarenone in cardiologic therapy in a bronchopneumology ward] Perna A, et al. **Boll Chim Farm** 1986 Mar;125(3):46S–52S (Eng. Abstr.) **(Ita)**

[Abnormal cardiac index measured by means of systolic time intervals and the effect of co–enzyme Q10 in thyroid disorders] Naito T. **Nippon Naibunpi Gakkai Zasshi** 1986 May 20;62(5):619–30 (Eng. Abstr.) **(Jpn)**

[Effects of coenzyme Q10 on ischemic myocardium during coronary artery occlusion—evaluation of the time needed to change irreversible myocardium] Ishikura Y, et al. **Sangyo Ika Daigaku Zasshi** 1986 Mar 1;8(1):19–25 (Eng. Abstr.) **(Jpn)**

ANALYSIS

The distribution and content of ubiquinone in foods. Kamei M, et al. **Int J Vitam Nutr Res** 1986;56(1):57–63

Relation of mevalonate synthesis to mitochondrial ubiquinone content and respiratory function in cultured neuroblastoma cells. Maltese WA, et al. **J Biol Chem** 1985 Sep 25; 260(21):11524–9

High–performance liquid chromatography of coenzyme Q–related compounds and its application to biological materials. Okamoto T, et al. **J Chromatogr** 1985 Jul 12; 342(1):35–46

Tissue coenzyme Q (ubiquinone) and protein concentrations over the life span of the laboratory rat. Beyer RE, et al. **Mech Ageing Dev** 1985 Nov;32(2–3):267–81

ANTAGONISTS & INHIBITORS

Influence of in vitro ubiquinone antagonists on doxorubicin toxicity in vivo. Tábora O, et al. **J Toxicol Environ Health** 1986;18(2):231–40

[Inhibition of the synthesis of isoprenoid compounds by phenol precursors of the benzoquinone ring of ubiquinone] Fedurov VV. **Vopr Med Khim** 1985 Sep–Oct;31(5):121–3 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Isoprenoid biosynthesis in multiple sclerosis. Steen G, et al. **Acta Neurol Scand** 1985 Sep;72(3):328–35

BLOOD

Histochemical detection of ubiquinone in neutrophil polymorphonuclear leucocyte granules. Lee JA. **Exp Cell Biol** 1986;54(2):89–93

ISOLATION & PURIFICATION

Isolation and characterization of a novel coenzyme Q from some methane–oxidizing bacteria. Collins MD, et al. **Biochem Biophys Res Commun** 1985 Dec 31;133(3):1125–31

METABOLISM

Redox changes in coenzyme Q in the millisecond time range: an approach using rapid quenching and high–performance liquid chromatography. Tsai AL, et al. **Anal Biochem** 1985 Nov 15;151(1):131–6

Thyroxine–induced changes in rat liver mitochondrial ubiquinone. Horrum MA, et al. **Biochem Biophys Res Commun** 1986 Jul 16;138(1):381–6

An ubiquinone–binding protein in mitochondrial NADH–ubiquinone reductase (Complex I). Suzuki H, et al. **Biochem Biophys Res Commun** 1986 Aug 14; 138(3):1237–42

Ubiquinone reduction pattern in pigeon heart mitochondria. Identification of three distinct ubiquinone pools. Jørgensen BM, et al. **Biochem J** 1985 Aug 1;229(3):621–9

Determination of partition and lateral diffusion coefficients of ubiquinones by fluorescence quenching of n–(9–anthroyloxy)stearic acids in phospholipid vesicles and mitochondrial membranes. Fato R, et al. **Biochemistry** 1986 Jun 3;25(11):3378–90

Effect of alkyl side chain variation on the electron–transfer activity of ubiquinone derivatives. Yu CA, et al. **Biochemistry** 1985 Jul 16;24(15):3897–902

Radical–pair energetics and decay mechanisms in reaction centers containing anthraquinones, naphthoquinones or benzoquinones in place of ubiquinone. Woodbury NW, et al. **Biochim Biophys Acta** 1986 Aug 13;851(1):6–22

Alterations of oxygen uptake and the redox state of ubiquinone in rabbit sperm exposed to a variety of physiologic treatments. Killian GJ, et al. **Biol Reprod** 1985 Nov;33(4):859–69

Investigation of the role of ubiquinone in rat liver subcellular compartments. Casu A, et al. **Cell Biochem Funct** 1986 Jan; 4(1):37–42

The essentiality of coenzyme Q for bioenergetics and clinical medicine. Lenaz G, et al. **Drugs Exp Clin Res** 1985; 11(8):547–56 (39 ref.)

Dimeric ubiquinol:cytochrome c reductase of Neurospora mitochondria contains one cooperative ubiquinone–reduction centre. Linke P, et al. **Eur J Biochem** 1986 Aug 1;158(3):615–21

A mitochondrial encephalomyopathy: the first case with an established defect at the level of coenzyme Q. Fischer JC, et al. **Eur J Pediatr** 1986 Feb;144(5):441–4

Interactions of ubiquinones with membrane models. Boicelli CA, et al. **Ital J Biochem** 1985 Jul–Aug;34(4):250–61

Incorporation of ubiquinones into lipid vesicles and inhibition

of lipid peroxidation. Landi L, et al. **Ital J Biochem** 1985 Sep-Oct;34(5):356-63

The pathway of electron transfer in the dimeric QH2: cytochrome c oxidoreductase. de Vries S. **J Bioenerg Biomembr** 1986 Jun;18(3):195-224 (115 ref.)

Effect of ubiquinone extraction on the reaction of the mitochondrial bc1 complex with ferricyanide. Pasquali P, et al. **J Bioenerg Biomembr** 1985 Oct;17(5):283-94

Organization and function of cytochrome b and ubiquinone in the cristae membrane of beef heart mitochondria. von Jagow G, et al. **J Bioenerg Biomembr** 1986 Jun;18(3):157-79 (64 ref.)

PHARMACODYNAMICS

Coenzyme Q analogues reconstitute electron transport and proton ejection but not the antimycin-induced "red shift" in mitochondria from coenzyme Q deficient mutants of the yeast Saccharomyces cerevisiae. Beattie DS, et al. **Biochemistry** 1986 Mar 25;25(6):1395-402

Ubiquinone-8 stimulates phagocytosis in macrophages by modulation of the kinetics of the Fc receptor. Block LH, et al. **J Infect Dis** 1986 Feb;153(2):209-16

[Effect of ubiquinone-9 on the blood coagulation system] Vinogradova LF, et al. **Farmakol Toksikol** 1986 May-Jun; 49(3):52-4 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

[Coenzyme Q10 in dilated cardiomyopathy: a biochemical approach to the treatment. Preliminary data] Frustaci A, et al. **Cardiologia** 1985 Jul;30(7):533-6 (Eng. Abstr.) (Ita)

UBIQUITIN see under **HIGH MOBILITY GROUP PROTEINS**

UDDER see **MAMMAE**

UDP GLUCURONOSYLTRANSFERASE

ANALYSIS

The activity of UDP-glucuronyltransferase, sulphotransferase and glutathione-S-transferase in primary cultures of rat hepatocytes. Grant MH, et al. **Biochem Pharmacol** 1986 Sep 1;35(17):2979-82

Expression of glutathione S-transferase and phenol sulfotransferase, but not of UDP-glucuronosyltransferase, in the human lung tumor cell lines NCI-H322 and NCI-H358. Wiebel FJ, et al. **Biochem Pharmacol** 1986 Apr 15;35(8):1337-43

Regulation of bilirubin glucuronide synthesis in primate (Macaca fascicularis) liver. Kinetic analysis of microsomal bilirubin uridine diphosphate glucuronyltransferase. Hauser SC, et al. **Gastroenterology** 1986 Aug;91(2):287-96

Multiple forms and a deficiency of uridine diphosphate-glucuronosyltransferases in Wistar rats. Matsui M, et al. **J Pharmacobiodyn** 1985 Aug;8(8):679-86

Glucuronidation of 1-naphthol in nuclear and microsomal fractions of the human intestine. Pacifici GM, et al. **Pharmacology** 1986;33(2):103-9

ANTAGONISTS & INHIBITORS

Selective inhibitory effect of organophosphates on UDP-glucuronyl transferase activities in rat liver microsomes. Watanabe HK, et al. **Biochem Pharmacol** 1986 Feb 1;35(3):455-60

Inhibition of bilirubin UDPglucuronosyltransferase activity by triphenylacetic acid and related compounds. Fournel S, et al. **Biochim Biophys Acta** 1986 Sep 4;883(2):190-6

Suppressive effect of interferon inducer, polyriboinosinic acid-polyribocytidylic acid on induction of uridine diphosphate-glucuronyltransferases and monooxygenases in liver microsomes of rats. Matsunaga T, et al. **J Pharmacobiodyn** 1986 Apr;9(4):421-7

BIOSYNTHESIS

Substrate-selective induction of rabbit hepatic UDP-glucuronyltransferases by ethanol and other xenobiotics. Finley BL, et al. **Biochem Pharmacol** 1986 Sep 1;35(17):2875-81

Induction potential of antifungals containing an imidazole or triazole moiety. Miconazole and ketoconazole, but not itraconazole are able to induce hepatic drug metabolizing enzymes of male rats at high doses. Lavrijsen K, et al. **Biochem Pharmacol** 1986 Jun 1;35(11):1867-78

Induction of UDP-glucuronyltransferase and arylhydrocarbon hydroxylase activity in mouse skin and in normal and transformed skin cells in culture. Lilienblum W, et al. **Biochem Pharmacol** 1986 May 1;35(9):1517-20

Kinetic constant determination of liver microsomal and purified UDP-glucuronosyltransferase after phenobarbital and 3-methylcholanthrene treatments in rats. Thomassin J, et al. **Comp Biochem Physiol [C]** 1986;83(1):127-31

Induction of monooxygenase and UDP-glucuronosyltransferase activities in primary cultures of rat hepatocytes. Forster U, et al. **Drug Metab Dispos** 1986 May-Jun;14(3):353-60

Induction of digitoxigenin monodigitoxoside UDP-glucuronosyltransferase activity by glucocorticoids and other inducers of cytochrome P-450p in primary monolayer cultures of adult rat hepatocytes and in human liver. Schuetz EG, et al. **J Biol Chem** 1986 Jun 25; 261(18):8270-5

Hepatic presystemic elimination of diethylstilbestrol by rats and effect of pretreatment with inducers of UDP-glucuronosyltransferase. Thompson TN, et al. **J Toxicol Environ Health** 1985;16(3-4):615-29

DEFICIENCY

Genetic deficiency of androsterone UDP-glucuronosyltransferase activity in Wistar rats is due to the loss of enzyme protein. Matsui M, et al. **Biochem J** 1986 Feb 15;234(1):139-44

GENETICS

Induction of UDP-glucuronyl transferase mRNA in embryonic chick livers by phenobarbital. Jackson MR, et al. **Biochem Pharmacol** 1986 Apr 1;35(7):1191-8

Rat liver UDP-glucuronosyltransferase. Sequence and expression of a cDNA encoding a phenobarbital-inducible form. Mackenzie PI. **J Biol Chem** 1986 May 5; 261(13):6119-25

The full length coding sequence of rat liver androsterone UDP-glucuronyltransferase cDNA and comparison with other members of this gene family. Jackson MR, et al. **Nucleic Acids Res** 1986 Jan 24;14(2):779-95

ISOLATION & PURIFICATION

Isolation of streptococcal hyaluronate synthase. Prehm P, et al. **Biochem J** 1986 May 1;235(3):887-9

Isolation and characterization of multiple forms of rat liver UDP-glucuronate glucuronosyltransferase. Roy Chowdhury J, et al. **Biochem J** 1986 Feb 1;233(3):827-37

Separation, purification, and characterization of digitoxigenin-monodigitoxoside UDP-glucuronosyltransferase activity. von Meyerinck L, et al. **Drug Metab Dispos** 1985 Nov-Dec;13(6):700-4

METABOLISM

Evidence for rapid metabolic turnover of hyaluronate synthetase in Swarm rat chondrosarcoma chondrocytes. Bansal MK, et al. **Biochem J** 1986 Jun 1;236(2):515-9

Strain differences in purified rat hepatic 3 alpha-hydroxysteroid UDP-glucuronosyltransferase. Green MD, et al. **Biochem J** 1985 Sep 1;230(2):403-9

Diminished rates of glucuronidation and sulfation in perfused rat liver after chronic ethanol administration. Reinke LA, et al. **Biochem Pharmacol** 1986 Feb 1;35(3):439-47

Developmental alterations in hepatic UDP-glucuronosyltransferase. A comparison of the kinetic properties of enzymes from adult sheep and fetal lambs. Wang LH, et al. **Biochem Pharmacol** 1986 Sep 15; 35(18):3065-70

Evidence for the metabolism of mitozantrone by microsomal glutathione transferases and 3-methylcholanthrene-inducible glucuronosyl transferases. Wolf CR, et al. **Biochem Pharmacol** 1986 May 1; 35(9):1577-81

Effect of hyaluronidase treatment of intact cells on hyaluronate synthetase activity. Philipson LH, et al. **Biochemistry** 1985 Dec 31;24(27):7899-906

Reconstitution of membrane proteins. Spontaneous association of integral membrane proteins with preformed unilamellar lipid bilayers. Scotto AW, et al. **Biochemistry** 1985 Jul 16;24(15):4066-75

Effect of dietary cholesterol on microsomal membrane composition, dynamics and kinetic properties of UDPglucuronyl transferase. Castuma CE, et al. **Biochim Biophys Acta** 1986 Feb 27;855(2):231-42

Stereospecific induction of rat liver bilirubin UDPglucuronosyltransferase and lauric acid 12-hydroxylation by the isomers of 2-phenylpropionic acid. Fournel S, et al. **Biochim Biophys Acta** 1986 Jul 16; 882(3):469-72

Structure-dependent induction of bilirubin glucuronidation and lauric acid 12-hydroxylation by arylcarboxylic acids chemically related to clofibrate. Fournel S, et al. **Biochim Biophys Acta** 1985 Oct 17;842(2-3):202-13

Carbon tetrachloride modulates the rat hepatic microsomal UDP-glucuronyl transferase activity and membrane fluidity. Deliconstantinos G, et al. **Experientia** 1986 Feb 15;42(2):181-3

Substrates and products of purified rat liver bilirubin UDP-glucuronosyltransferase. Chowdhury NR, et al. **Hepatology** 1986 Jan-Feb;6(1):123-8

Microsomal UDP-glucuronyltransferase-catalyzed bilirubin diglucuronide formation in human liver. Peters WH, et al. **J Hepatol** 1986;2(2):182-94

Glucuronides of monohydroxylated bile acids: specificity of microsomal glucuronyltransferase for the glucuronidation site, C-3 configuration, and side chain length. Radomińska-Pyrek A, et al. **J Lipid Res** 1986 Jan; 27(1):89-101

Glucuronidation and sulfation in rabbit kidney. Hjelle JT, et al. **J Pharmacol Exp Ther** 1986 Jan;236(1):150-6

UDP-glucuronosyltransferase(s) activities towards natural substrates in rat liver microsomes. Kinetic properties and influence of triton X-100 activation. Thomassin J, et al. **Pharmacol Res Commun** 1985 Nov;17(11):1005-15

The role of membrane lipids in the regulation of membrane-bound enzymes. Zakim D. **Prog Liver Dis** 1986; 8:65-80 (93 ref.)

Presystemic glucuronidation of morphine in humans and rhesus monkeys: subcellular distribution of the UDP-glucuronyltransferase in the liver and intestine. Pacifici GM, et al. **Xenobiotica** 1986 Feb;16(2):123-8

[Effect of thyroid status on microsomal enzymes during liver regeneration in the rat] Goudonnet H, et al. **C R Soc Biol (Paris)** 1985;179(5):663-8 (Eng. Abstr.) (Fre)

[In vitro studies on glucuronidation of digitoxin and its metabolites] Schmoldt A, et al. **Beitr Gerichtl Med** 1985; 43:149-53 (Eng. Abstr.) (Ger)

UDP SUGARS see **URIDINE DIPHOSPHATE SUGARS**

ULCER

see related
CORNEAL ULCER
PEPTIC ULCER
SKIN ULCER

CHEMICALLY INDUCED

Amalgam-related chronic ulceration of oral mucosa. Jolly M, et al. **Br Dent J** 1986 Jun 21;160(12):434-7

Ulcerations of the colon associated with naproxen and acetylsalicylic acid treatment [letter] Uribe A, et al. **Gastrointest Endosc** 1986 Jun;32(3):242-4

Topical folinic acid therapy in methotrexate-induced oral ulceration. Barrett AP. **J Periodontol** 1986 May; 57(5):318-20

Mouth ulceration associated with proguanil [letter] Daniels AM. **Lancet** 1986 Feb 1;1(8475):269

Persistent ulcers after bladder instillation of mitomycin C [letter] Hetherington JW, et al. **Lancet** 1986 Feb 8; (8476):324

Benign ulcers after bladder instillation of mitomycin C [letter] Richards B, et al. **Lancet** 1986 Jan 4;1(8471):45

Indomethacin fails to induce ulceration in the gastrointestinal tract of newborn and suckling rats. Bedrick AD, et al. **Pediatr Res** 1986 Jul;20(7):598-601

[Esophageal ulcer caused by the "pill"] Allmendinger G. **Z Gastroenterol** 1985 Oct;23(10):531-3 (Eng. Abstr.) (Ger)

COMPLICATIONS

Enteric ulceration and its complications. Thomas WE, et al. **World J Surg** 1985 Dec;9(6):876-86

DRUG THERAPY

Topical PGE2 enhances healing of chemotherapy-associated mucosal lesions [letter] Kührer I, et al. **Lancet** 1986 Mar 15;1(8481):623

ETIOLOGY

The pathogenesis of the chronic radiation ulcer of the large bowel in rats. Breiter N, et al. **Br J Cancer [Suppl]** 1986; 7:29-30

Solitary J-pouch ulcer causing pouchitis-like syndrome. Franceschi D, et al. **Dis Colon Rectum** 1986 Aug; 29(8):515-7

Diffuse intestinal ulceration after marrow transplantation: a clinicopathologic study of 13 patients. Spencer GD, et al. **Hum Pathol** 1986 Jun;17(6):621-33

Chronic esophageal ulceration after endoscopic sclerotherapy. Subramanyam K, et al. **J Clin Gastroenterol** 1986 Feb;8(1):58-60

[Trophic ulcer caused by trigeminal neuropathy in children] Marandian MH, et al. **Ann Pediatr (Paris)** 1986 May; 33(5):433-6 (Eng. Abstr.) (Fre)

[Cauda equina syndrome with plantar perforating ulcer and neurogenic osteoarthropathies in a case of rheumatismal pelvospondylitis] Pouget J, et al. **Rev Rhum Mal Osteoartic** 1985 Jul-Sep;52(7-9):451-5 (Eng. Abstr.) (Fre)

[Acute cholecystitis in severely burned patients] Vishnevskii VA, et al. **Vestn Khir** 1985 Jul;135(7):76-9 (Eng. Abstr.) (Rus)

PATHOLOGY

Solitary rectal ulcer syndrome--clinical, endoscopic, and histological spectrum. Niv Y, et al. **Am J Gastroenterol** 1986 Jun;81(6):486-91

Benign cecal ulcers. Spectrum of disease and selective management. Shallman RW, et al. **Dis Colon Rectum** 1985 Oct;28(10):732-7

[Effect of the housing system and supplementation with raw feed on the occurrence of abomasal lesions in mast calves] van der Mei J. **DTW** 1985 Nov 26;92(11-12):463-5 (Eng. Abstr.) (Ger)

RADIOGRAPHY

Aphthoid ulcers in colonic tuberculosis. Downey DB, et al. **Br J Radiol** 1985 Jun;58(690):561-2

The barium enema appearances in solitary rectal ulcer syndrome. Millward SF, et al. **Clin Radiol** 1985 Mar; 36(2):185-9

Aphthoid ulcers in Crohn disease: radiographic course and relationship to bowel appearance. Ni XY, et al. **Radiology** 1986 Mar;158(3):589-96

[The syndrome of solitary rectal ulcer. Problems of radiologic diagnosis] Soardi GA, et al. **Radiol Med (Torino)** 1985 Dec;71(12):860–4 (Eng. Abstr.) **(Ita)**

SURGERY

Anteroposterior rectopexy in the treatment of solitary rectal ulcer syndrome without overt rectal prolapse. Nicholls RJ, et al. **Br J Surg** 1986 Mar;73(3):222–4

Laser ablation of hymenal fissures. Michlewitz H. **J Reprod Med** 1986 Jan;31(1):63–4

Reconstruction of the oral commissure. Takato T, et al. **Oral Surg Oral Med Oral Pathol** 1986 Aug;62(2):132–4

VETERINARY

Cryotherapy and chronic ulcerating lesions [letter] Green CJ. **Vet Rec** 1986 Feb 8;119(6):163

The effect of feeding pellets of different types of roughage on the incidence of lesions in the abomasum of veal calves. Wensing T, et al. **Vet Res Commun** 1986 May;10(3):195–202

[The gastric mucosal barrier and the abomasal ulcer in veal calves] Lourens JM, et al. **Tijdschr Diergeneeskd** 1985 Oct 1;110(19):755–61 (Eng. Abstr.) **(Dut)**

ULCER, APHTHOUS see STOMATITIS, APHTHOUS

ULNA

Osteolysis of the shaft of tubular bones in systemic scleroderma. Olutola PS, et al. **Diagn Imag Clin Med** 1985; 54(6):322–5

Metastatic carcinoma of the distal ulna from an occult pancreatic carcinoma. Huber DF, et al. **J Hand Surg [Am]** 1985 Sep;10(5):725–7

Diagnosis of osteoid osteoma using computerized tomography. Blankstein A, et al. **J Hand Surg [Br]** 1985 Oct;10(3):407–8

[Bone lipoma in children. Apropos of a case] Hoeffel JC, et al. **Pediatrie** 1986 Jan–Feb;41(1):57–64 (Eng. Abstr.) **(Fre)**

[Aneurysmal cyst of the ulna] Nowakowski A. **Chir Narzadow Ruchu Ortop Pol** 1985;50(6):509–12 (Eng. Abstr.) **(Pol)**

ABNORMALITIES

Congenital ulnar deficiency. Natural history and therapeutic implications. Johnson J, et al. **Hand Clin** 1985 Aug; 1(3):499–510 (38 ref.)

Skeletal abnormalities in wings of free-flying juvenile white pelicans (Pelecanus erythrorhynchus) in Minnesota. Drew ML, et al. **J Wildl Dis** 1986 Jul;22(3):447–9

[Hypoplasia and aplasia of the ulna in children. Internal longitudinal ectromelia of the arm. Study of 38 cases in 31 children] Rigault P, et al. **Chirurgie** 1985;111(8):692–700 (Eng. Abstr.) **(Fre)**

[An 8-finger hand with ulnar duplication (mirror image deformity)] Hussl H, et al. **Handchir Mikrochir Plast Chir** 1985 Nov;17 Suppl:47–52 (Eng. Abstr.) **(Ger)**

[A rare form of congenital limb reduction anomalies: defect of the ulnar–tibial axis] Czeizel E, et al. **Orv Hetil** 1985 Nov 10;126(45):2783–7 (Eng. Abstr.) **(Hun)**

ANALYSIS

Bone mineral content in the forearm of healthy adults. Harmut M, et al. **Arh Hig Rada Toksikol** 1985 Mar; 36(1):3–10

ANATOMY & HISTOLOGY

Regulation of bone mass by mechanical strain magnitude. Rubin CT, et al. **Calcif Tissue Int** 1985 Jul;37(4):411–7

Bilateral asymmetry of long arm bones and jugular foramen: implications for handedness. Glassman DM, et al. **J Forensic Sci** 1986 Apr;31(2):589–95

[Factors in the stabilization of the ulnar head] Mestdagh H, et al. **Bull Assoc Anat (Nancy)** 1984 Dec;68(203):83–90 (Eng. Abstr.) **(Fre)**

[Determination of the muscle origins at the interosseous membrane of the forearm] Moellers N, et al. **Anat Anz** 1985; 160(4):295–7 **(Ger)**

[Experimental study on rotation of the forearm—functional anatomy of the interosseous membrane] Mori K. **Nippon Seikeigeka Gakkai Zasshi** 1985 Jun;59(6):611–22 (Eng. Abstr.) **(Jpn)**

BLOOD SUPPLY

Complete involvement of the ulnar nerve secondary to an ulnar artery aneurysm. A case report. Axe MJ, et al. **Am J Sports Med** 1986 Mar–Apr;14(2):178–80

Ulnar artery thrombosis: a sports-related injury. Porubsky GL, et al. **Am J Sports Med** 1986 Mar–Apr;14(2):170–5

Improvement in the results in sixty-four ulnar nerve sections associated with arterial repair. Leclercq DC, et al. **J Hand Surg [Am]** 1985 Nov;10(6 Pt 2):997–9

Ulnar artery aneurysm complicated by distal embolization: management with regional thrombolysis and resection. Lawhorne TW Jr, et al. **J Vasc Surg** 1986 Apr;3(4):663–5

CYTOLOGY

Canalicular communication in the cortices of human long bones. Curtis TA, et al. **Anat Rec** 1985 Aug;212(4):336–44

GROWTH & DEVELOPMENT

Short term, low dose estradiol accelerates ulnar growth in boys. Caruso-Nicoletti M, et al. **J Clin Endocrinol Metab** 1985 Nov;61(5):896–8

INJURIES

Traumatic ulnar variance in Kienböck's disease. Stahl S, et al. **J Hand Surg [Am]** 1986 Jan;11(1):95–7

Break dancer's wrist. Gerber SD, et al. **J Pediatr Orthop** 1986 Jan–Feb;6(1):98–9

Galeazzi fractures. Kraus B, et al. **J Trauma** 1985 Nov; 25(11):1093–5

[Galeazzi's fracture-luxation (or Monteggia's inverted injury)] Perazzini PG, et al. **Arch Putti Chir Organi Mov** 1984;34:225–32 (Eng. Abstr.) **(Ita)**

PATHOLOGY

A new hereditary bone dysplasia with characteristic bowing and thickening of the distal ulna. Rosenberg E, et al. **Eur J Pediatr** 1986 Apr;145(1–2):40–5

[Comparative light and scanning electron microscopy studies of the morphologic structure of ligament insertions into the bone] Küsswetter W, et al. **Z Orthop** 1985 Sep–Oct; 123(5):876–9 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

The effect of partial removal of proximal ulna on elbow constraint. An KN, et al. **Clin Orthop** 1986 Aug;(209):270–9

RADIOGRAPHY

Ulnar variance in Kienböck's disease. Kristensen SS, et al. **J Hand Surg [Br]** 1986 Jun;11(2):258–60

Ulnar variance determination. Kristensen SS, et al. **J Hand Surg [Br]** 1986 Jun;11(2):255–7

Paget disease with contraction of long bones. Lander PH, et al. **Radiology** 1986 May;159(2):471–2

[Radiological study of the height of the cubitus in relation to the radius. Measures of 2 comparative series] Schuhl JF. **Ann Chir Main** 1985;4(3):246–8 (Eng. Abstr.) **(Fre)**

[Quantitative evaluation of the relation between bone mass of the metacarpal bone and bone mineral content of the forearm in normal persons and patients with chronic renal failure before and after kidney transplantation] Andresen J, et al. **Radiologe** 1986 Jun;26(6):290–2 (Eng. Abstr.) **(Ger)**

[Reactions of the overlapping volo-ulnar margin of the ulnar head in chronic polyarthritis—a hitherto disregarded sign] Fischer E. **Z Rheumatol** 1985 Jul–Aug;44(4):161–6 (Eng. Abstr.) **(Ger)**

SURGERY

Kienbock's disease. Almquist EE. **Clin Orthop** 1986 Jan; (202):68–78

Lengthening the ulna in patients with hereditary multiple exostoses. Pritchett JW. **J Bone Joint Surg [Br]** 1986 Aug; 68(4):561–5

The rheumatoid wrist after resection of the distal ulna. Gainor BJ, et al. **J Hand Surg [Am]** 1985 Nov;10(6 Pt 1):837–44

Resection of the distal ulna with and without implant arthroplasty in rheumatoid arthritis. White RE Jr. **J Hand Surg [Am]** 1986 Jul;11(4):514–8

Bone grafting an ulna defect with a free autologous rib transplant. Träger D, et al. **Z Kinderchir** 1985 Dec; 40(6):374–6

[Post-traumatic radio-ulnar synostoses in childhood, Bätz W, et al. **Aktuel Traumatol** 1986 Feb;16(1):13–6 (Eng. Abstr.) **(Ger)**

[V-shaped osteotomy of the olecranon, greater trochanter of the femur and internal malleolus] Meeder PJ, et al. **Aktuel Traumatol** 1985 Aug;15(4):184–5 **(Ger)**

TRANSPLANTATION

Canine cortical bone autograft remodeling in two simultaneous skeletal sites. Delloye C, et al. **Arch Orthop Trauma Surg** 1986;105(2):79–99

Retinoic acid modifies positional memory in the anteroposterior axis of regenerating axolotl limbs. Kim WS, et al. **Dev Biol** 1986 Mar;114(1):170–9

ULNA FRACTURES

COMPLICATIONS

Fatigue fracture of a forearm plate within a long-arm cast. Radin EL, et al. **Clin Orthop** 1986 Jun;(207):142–5

An unusual complication of fracture of both bones of the forearm in a child. A case report. Fatti JF, et al. **J Bone Joint Surg [Am]** 1986 Mar;68(3):451–3

Entrapment of the flexor digitorum profundus in the ulna with fracture of both bones of the forearm. Report of a case. Rayan GM, et al. **J Bone Joint Surg [Am]** 1986 Sep; 68(7):1102–3

Entrapment of the ulnar nerve in a greenstick fracture of the ulna. Prosser AJ, et al. **J Hand Surg [Br]** 1986 Jun; 11(2):211–2

[Late development of a nerve lesion after a Monteggia fracture] Petersen VS. **Ugeskr Laeger** 1985 Nov 25; 147(48):3914–5 (Eng. Abstr.) **(Dan)**

[Bone nocardiosis. Apropos of a case in a young child] Brauner M, et al. **J Radiol** 1985 Nov;66(11):699–701 (Eng. Abstr.) **(Fre)**

[Ulnar nerve paralysis 35 years after olecranon fracture] Ferencz J, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1986; 29(1):63–6 (Eng. Abstr.) **(Hun)**

DIAGNOSIS

Stress fracture of the distal ulna. A case report. Bell RH, et al. **Clin Orthop** 1986 Aug;(209):169–71

[Fractures of the upper end of radius and ulna and recent dislocations of the elbow in children] Le Saout J, et al. **J Chir (Paris)** 1986 May;123(5):333–7 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Stress fracture of the ulnar diaphysis: review of the literature and report of a case. Patel MR, et al. **J Hand Surg [Am]** 1986 May;11(3):443–5

RADIONUCLIDE IMAGING

Evaluation of the healing process of bone fractures in the non-human primate using sequential 99mTc-methylene diphosphonate scintigraphy. Mennen U, et al. **S Afr J Surg** 1985 Sep;23(3):98–101

SURGERY

Internal fixation of fractures in children and adolescents [letter] Price CT. **Clin Orthop** 1986 Jan;(202):309

Monteggia fracture-dislocation in children. Late treatment in two cases. Kalamchi A. **J Bone Joint Surg [Am]** 1986 Apr;68(4):615–9

Complications of tension-band wiring of olecranon fractures. Macko D, et al. **J Bone Joint Surg [Am]** 1985 Dec; 67(9):1396–401

Immediate internal fixation of open fractures of the diaphysis of the forearm. Moed BR, et al. **J Bone Joint Surg [Am]** 1986 Sep;68(7):1008–17

Both-bone midshaft forearm fractures in children. Kay S, et al. **J Pediatr Orthop** 1986 May–Jun;6(3):306–10

Experimental and clinical study of the figure-of-eight wiring for fracture of the olecranon, patella and other bones—crossed double figure-of-eight wiring. Miyagi S, et al. **Kurume Med J** 1985;32(1):37–57

Olecranon fractures treated with AO screw and tension bands. Johnson RP, et al. **Orthopedics** 1986 Jan;9(1):66–8

An overriding radius fracture in a child with an intact ulna: management considerations. Woodbury DF, et al. **Orthopedics** 1985 Jun;8(6):763–5

[Fractures of the distal humerus of children and the distal tibia with involvement of the epiphyseal groove] Draenert K, et al. **Z Orthop** 1985 Jul–Aug;123(4):522–5 **(Ger)**

[Errors and risks in osteosynthesis of forearm fractures in childhood] Kurz W, et al. **Zentralbl Chir** 1986; 111(11):659–65 **(Ger)**

[Fractures of the forearm, intramedullary nailing, long-term results] Poli G, et al. **Chir Organi Mov** 1986 Jan–Mar; 71(1):7–12 (Eng. Abstr.) **(Ita)**

THERAPY

Distal radioulnar involvement in trauma of the wrist. Péquignot JP, et al. **Ann Chir Main** 1985;4(4):273–85 **(Eng, Fre)**

Monteggia fracture-dislocations in children. Letts M, et al. **J Bone Joint Surg [Br]** 1985 Nov;67(5):724–7

Monteggia injuries in children. Wiley JJ, et al. **J Bone Joint Surg [Br]** 1985 Nov;67(5):728–31

Elastic stable intramedullary pinning of long bone shaft fractures in children. Ligier JN, et al. **Z Kinderchir** 1985 Aug;40(4):209–12

[The development of our therapeutic concept in the treatment of ulnar epicondyle fractures] Chrestian P, et al. **Z Kinderchir** 1985 Aug;40(4):213–6 (Eng. Abstr.) **(Ger)**

[Personal experience in the treatment of diaphyseal fractures of the forearm bones in children] Veselinov S, et al. **Med Pregl** 1985;38(7–8):377–80 (Eng. Abstr.) **(Ser)**

VETERINARY

[Surgical correction of angular deformities of the radius and ulna following malunion fractures] Fjeld T. **Nord Vet Med** 1985 Sep–Oct;37(5):273–85 (Eng. Abstr.) **(Nor)**

ULNAR NERVE

Ulnar nerve mononeuropathies after face-down positioning. Rabon RJ, et al. **Am J Ophthalmol** 1986 Jul 15;102(1):125

Complete involvement of the ulnar nerve secondary to an ulnar artery aneurysm. A case report. Axe MJ, et al. **Am J Sports Med** 1986 Mar–Apr;14(2):178–80

Nerve complications in closed fractures of the lower end of the radius. Bourrel P, et al. **Ann Chir Main** 1982; 1(2):119–26 **(Eng, Fre)**

The evaluation of suspected ulnar neuropathy at the elbow.

Normal conduction study values. Kincaid JC, et al. **Arch Neurol** 1986 Jan;43(1):44–7

Ulnar neuropathy at the wrist: case report and review of literature. Wu JS, et al. **Arch Phys Med Rehabil** 1985 Nov; 66(11):785–8

Bilateral ulnar nerve abscess in lepromatous leprosy; a first encounter. Gelber RH, et al. **Int J Lepr Other Mycobact Dis** 1986 Sep;54(3):480–2

Entrapment of the ulnar nerve by the deep flexor–pronator aponeurosis. Amadio PC, et al. **J Hand Surg [Am]** 1986 Jan;11(1):83–7

Guyon's canal decompression [letter] Grundberg AB. **J Hand Surg [Am]** 1986 May;11(3):454

The palmaris brevis profundus. An anomalous muscle associated with ulnar nerve compression at the wrist. Tonkin MA, et al. **J Hand Surg [Am]** 1985 Nov;10(6 Pt 1):862–4

Acute cubital tunnel syndrome from post traumatic calcific neuritis. Ametewee K. **J Hand Surg [Br]** 1986 Feb; 11(1):123–4

Entrapment of the ulnar nerve in a greenstick fracture of the ulna. Prosser AJ, et al. **J Hand Surg [Br]** 1986 Jun; 11(2):211–2

Tremor and peripheral nerve entrapment. Case report. Little JW, et al. **J Neurosurg** 1986 Jan;64(1):145–7

Risk factors associated with ulnar nerve compression in bedridden patients. Chuman MA. **J Neurosurg Nurs** 1985 Dec;17(6):338–42

Cubital tunnel syndrome: anterior transposition with epicondylar osteotomy. Mass DP, et al. **Orthopedics** 1986 May;9(5):711–5

The cubital tunnel in ulnar entrapment neuropathy. St. John JN, et al. **Radiology** 1986 Jan;158(1):119–23

Ulnar nerve abscess in Hansen's disease. Char G, et al. **West Indian Med J** 1986 Mar;35(1):66–8

[Galvanic skin response in the evaluation of sympathetic nerve block] Chmielnicki Z. **Pol Tyg Lek** 1985 Aug 12; 40(32):901–3 (Eng. Abstr.) (Pol)

[Paralysis of peripheral nerves of various etiology] Sarenac B, et al. **Srp Arh Celok Lek** 1985 Jan;113(1):55–8 (Eng. Abstr.) (See)

ABNORMALITIES

The contribution of median–ulnar communications in diagnosis of mild carpal tunnel syndrome. Gutmann L, et al. **Muscle Nerve** 1986 May;9(4):319–21

[Anomalous communication between the ulnar and median nerves in traumatic neuropathy. Electrophysiologic study] Fels A, et al. **Riv Neurobiol** 1984 Apr–Sep;30(2–3):317–23 (Eng. Abstr.) (Ita)

ANATOMY & HISTOLOGY

Surgical significance of the motor fascicular group of the ulnar nerve in the forearm. Chow JA, et al. **J Hand Surg [Am]** 1985 Nov;10(6 Pt 1):867–72

Musculotendinous variations about the medial humeral epicondyle. Dellon AL. **J Hand Surg [Br]** 1986 Jun; 11(2):175–81

[Anatomical study of the normal fasciculus of the radial, ulnar and median nerves and their clinical significance] Han Z, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Jan;24(1):23–5, 62 (Eng. Abstr.) (Chi)

BLOOD SUPPLY

The ulnar nerve as vascularized nerve transplant. Part I: Anatomy: arterial vascular supply. Künzel KH, et al. **J Reconstr Microsurg** 1986 Apr;2(3):175–9

[Vascular supply of the ulnar nerve following neurolysis in the area of the elbow] Graf P, et al. **Handchir Mikrochir Plast Chir** 1986 Jul;18(4):204–6 (Eng. Abstr.) (Ger)

CYTOLOGY

Convergence of sensory processes from the heart and left ulnar nerve onto a single afferent perikaryon: a neuroanatomical study in the rat employing fluorescent tracers. McNeill DL, et al. **Anat Rec** 1986 Apr; 214(4):441–4, 396–7

Somatotopic organization of motoneurons innervating the pronators, carpal and digital flexors and forepaw muscles in the dog: a retrograde horseradish peroxidase study. Mutai M, et al. **Brain Res** 1986 Apr 16;371(1):90–5

Location of motoneurones projecting to the cat distal forelimb. II. Median and ulnar motornuclei. Fritz N, et al. **J Comp Neurol** 1986 Feb 15;244(3):302–12

DRUG EFFECTS

[Post-injection damage of the ulnar nerve] Araszkiewicz H, et al. **Chir Narzadow Ruchu Ortop Pol** 1985;50(3):206–9 (Eng. Abstr.) (Pol)

INJURIES

Recognition of acutely lacerated ulnar nerve–median nerve palmar communicating branch. A case report. Rollins J, et al. **Clin Orthop** 1985 Dec;(201):91–3

Anatomical basis for repair of ulnar and median nerves in the distal part of the forearm by group fascicular suture and nerve–grafting. Chow JA, et al. **J Bone Joint Surg [Am]** 1986 Feb;68(2):273–80

Fracture–dislocation of the base of the fifth metacarpal associated with injury to the deep motor branch of the ulnar nerve: a case report. Peterson P, et al. **J Hand Surg [Am]** 1986 Jul;11(4):525–8

Abducted little finger in low ulnar nerve palsy. Burge P. **J Hand Surg [Br]** 1986 Jun;11(2):234–6

Delayed repair of the ulnar nerve. Trail IA. **J Hand Surg [Br]** 1985 Oct;10(3):345–6

[Ulnar nerve paralysis 35 years after olecranon fracture] Ferencz J, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1986; 29(1):63–6 (Eng. Abstr.) (Hun)

[Injury of the deep branch of the ulnar nerve] Haftek J, et al. **Neurol Neurochir Pol** 1985 Jul–Aug;19(4):323–6 (Eng. Abstr.) (Pol)

[Clinical diagnosis of movement disorders in longstanding injuries of the median and ulnar nerves] Goloborod'ko SA, et al. **Ortop Travmatol Protez** 1985 Oct;(10):27–9 (Rus)

[Method of correcting abduction of the 5th finger after injuries to the ulnar nerve] Goloborod'ko SA, et al. **Ortop Travmatol Protez** 1985 Nov;(11):48–50 (Rus)

[Timing of surgical treatment of hand deformities in sequelae of injuries of the median and ulnar nerves] Grishin IG, et al. **Ortop Travmatol Protez** 1986 May;(5):22–4 (Eng. Abstr.) (Rus)

[Treatment of hand deformities in sequelae of injuries of the ulnar nerve] Grishin IG, et al. **Sov Med** 1986;(3):47–50 (Eng. Abstr.) (Rus)

PATHOLOGY

The Martin–Gruber innervated hand. Brandsma JW, et al. **J Hand Surg [Am]** 1986 Jul;11(4):536–9

[Changes in the rate of conduction of stimulation in the motor fibers of the peripheral nerves in vibration disease] Komleva LM. **Gig Tr Prof Zabol** 1985 Jul;(7):31–3 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Somatosensory evoked potential quantification of ulnar nerve blockade. Benzon HT, et al. **Anesth Analg** 1986 Aug; 65(8):843–8

Proximal forearm ulnar nerve conduction techniques. Felsenthal G, et al. **Arch Phys Med Rehabil** 1986 Jul; 67(7):440–4

Nerve conduction velocities: normal values for median and ulnar nerves. Correa Pérez M, et al. **Bol Asoc Med PR** 1986 May;78(5):191–6

Long-term cortical consequences of reinnervation errors after nerve regeneration in monkeys. Wall JT, et al. **Brain Res** 1986 May 7;372(2):400–4

Peripheral nerve conduction velocity and brainstem auditory evoked responses in small for gestational age preterm infants. Kesson AM, et al. **Early Hum Dev** 1985 Sep; 11(3–4):213–9

Needle and surface recording electrodes in motor and sensory nerve conduction studies. Diószeghy P. **Electromyogr Clin Neurophysiol** 1986 Mar–Apr; 26(2):117–22

F-response behaviour in a control population. Peioglou-Harmoussi S, et al. **J Neurol Neurosurg Psychiatry** 1985 Nov;48(11):1152–8

F-responses: a study of frequency, shape and amplitude characteristics in healthy control subjects. Peioglou-Harmoussi S, et al. **J Neurol Neurosurg Psychiatry** 1985 Nov;48(11):1159–64

Relation between size of compound sensory or muscle action potentials, and length of nerve segment. Kimura J, et al. **Neurology** 1986 May;36(5):647–52

Electroneurographic examination of the ulnar and radial nerves in the dog: reference values, biological variation and reproducibility. van Nes JJ, et al. **Res Vet Sci** 1986 Mar;40(2):189–96

Peripheral nerve conduction velocity in workers occupational exposed to lead. Chen ZQ, et al. **Scand J Work Environ Health** 1985;11 Suppl 4:26–8

[Direct and indirect methods of measuring motor conduction velocity of the cervical–axillary segment of the median and cubital nerves] Linden P, et al. **Acta Belg Med Phys** 1985 Oct;8 Spec No:42–9 (Eng. Abstr.) (Dut)

[Antidromal sensory potential—a method of recording and normal values] Deike H, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1985 Jul;37(7):421–7 (Eng. Abstr.) (Ger)

[Conduction in the motor fibers of the ulnar nerve in cut-glass workers] Langauer-Lewowicka H, et al. **Med Pr** 1985;36(5):289–94 (Eng. Abstr.) (Pol)

PHYSIOPATHOLOGY

Pressures recorded in ulnar neuropathy. Werner CO, et al. **Acta Orthop Scand** 1985 Oct;56(5):404–6

Neuromuscular blockade variability [letter] Sosis M. **Anesthesiology** 1986 Jul;65(1):133

Motor nerve conduction study in Raynaud's phenomenon. Cavallaro A, et al. **Angiology** 1986 Apr;37(4):294–8

Ulnar nerve involvement in carpal tunnel syndrome. Cassvan A, et al. **Arch Phys Med Rehabil** 1986 May;67(5):290–2

An electromyographer's view of the ulnar nerve. Payan J. **J Bone Joint Surg [Br]** 1986 Jan;68(1):13–5

Apparent weakness of median and ulnar motors in radial nerve palsy. Labosky DA, et al. **J Hand Surg [Am]** 1986 Jul;11(4):528–33

The primary role of the Erb's point—axilla segment in median and ulnar motor nerve conduction determinations in alcoholic neuropathy. Ginzburg M, et al. **J Neurol Sci** 1986 Feb;72(2–3):299–306

SURGERY

Post decompression ulnar claw and its recovery. Shah A. **Indian J Lepr** 1986 Jan–Mar;58(1):54–7

An anatomic factor significant in transposition of the ulnar nerve. Inserra S, et al. **J Hand Surg [Am]** 1986 Jan; 11(1):80–2

Improvement in the results in sixty-four ulnar nerve sections associated with arterial repair. Leclercq DC, et al. **J Hand Surg [Am]** 1985 Nov;10(6 Pt 2):997–9

Carpal tunnel syndrome: associated abnormalities in ulnar nerve function and the effect of carpal tunnel release on these abnormalities. Silver MA, et al. **J Hand Surg [Am]** 1985 Sep;10(5):710–3

Palmaris longus transfer for replacement of the first dorsal interosseous. Hirayama T, et al. **J Hand Surg [Br]** 1986 Feb;11(1):84–6

Cubital tunnel syndrome. Chua YL, et al. **Singapore Med J** 1985 Oct;26(6):476–8

Anterior transposition for advanced ulnar neuropathy at the elbow. Friedman RJ, et al. **Surg Neurol** 1986 May; 25(5):446–8

[Results of ulnar nerve displacement of epicondylitis ulnaris] Schwarz B, et al. **Beitr Orthop Traumatol** 1985 Sep; 32(9):445–50 (Eng. Abstr.) (Ger)

[Distal ulnar nerve irritation] Wulle C, et al. **Handchir Mikrochir Plast Chir** 1986 Jul;18(4):207–8 (Eng. Abstr.) (Ger)

[Intraneural ganglion of the ulnar nerve. Case description] Mohsenipour I, et al. **Zentralbl Neurochir** 1986;47(1):63–5 (Eng. Abstr.) (Ger)

TRANSPLANTATION

Effect of submuscular versus intramuscular placement of ulnar nerve: experimental model in the primate. Dellon AL, et al. **J Hand Surg [Br]** 1986 Feb;11(1):117–9

ULTIMOBRANCHIAL BODY

see related
CALCITONIN

INNERVATION

Autonomic and sensory innervation of anuran ultimobranchial glands: a horseradish peroxidase study. Robertson DR. **Neurosci Lett** 1986 Jun 18;67(2):181–5

ULTRACENTRIFUGATION

INSTRUMENTATION

Rapid method for the concentration of hepatitis B virus particles using Beckman airfuge. Milborrow HM, et al. **J Clin Pathol** 1986 Jul;39(7):808–9

METHODS

Technique and apparatus for automated fractionation of the contents of small centrifuge tubes: application to analytical ultracentrifugation. Attri AK, et al. **Anal Biochem** 1986 Feb 1;152(2):319–28

Selective losses of large immune complexes during density gradient ultracentrifugation and an approach for prevention of these losses. Wener MH, et al. **J Immunol Methods** 1985 Nov 28;84(1–2):1–10

Comparison of gradient gel electrophoresis and zonal ultracentrifugation for quantitation of high density lipoproteins. McNerney CA, et al. **J Lipid Res** 1985 Nov; 26(11):1363–7

ULTRAFILTRATION

see related
MICROPORE FILTERS

An evaluation of ultrafiltration as treatment of therapy-resistant cardiac edema. Fauchald P, et al. **Acta Med Scand** 1986;219(1):47–52

Continuous arteriovenous hemofiltration in acute renal failure. Golper TA. **Am J Kidney Dis** 1985 Dec;6(6):373–86 (81 ref.)

The effects of plasmapheresis and hemofiltration on canine acid aspiration pulmonary edema. Sznajder JI, et al. **Am Rev Respir Dis** 1986 Aug;134(2):222–8

Indications for blood microfiltration [letter] Linko K. **Anaesthesia** 1986 Feb;41(2):210

Arteriovenous haemofiltration in hypervolaemia. Zobel G, et al. **Arch Dis Child** 1986 Aug;61(8):803–4

Hemofiltration in digoxin overdose. Lai KN, et al. **Arch Intern Med** 1986 Jun;146(6):1219–20

Canine islets in an ultrafiltered environment. Merrell RC, et al. **Artif Organs** 1985 Nov;9(4):421–5

Theoretical formulation of sieving coefficient evaluation for membrane plasma separation. Weryński A, et al. **Artif Organs** 1985 Aug;9(3):250–4

Ultrafiltration in the management of refractory congestive heart failure. Simpson IA, et al. **Br Heart J** 1986 Apr; 55(4):344–7

High altitude haemofiltration. Stevens PE, et al. **Br Med J [Clin Res]** 1986 May 24;292(6532):1354

Pharmacokinetics of netilmicin in hypertonic hemodiafiltration and standard hemodialysis. Basile C, et al. **Clin Nephrol** 1985 Dec;24(6):305–9

Change in plasma immunoreactive atrial natriuretic peptide during sequential ultrafiltration and haemodialysis. Wilkins MR, et al. **Clin Sci** 1986 Aug;71(2):157–60

Effects of furosemide versus isolated ultrafiltration on extravascular lung water in oleic acid–induced pulmonary edema. Sivak ED, et al. **Crit Care Med** 1986 Jan;14(1):48–51

Comparison of unfractionated heparin and low molecular weight heparin during long-term use in chronic haemodialysis and haemofiltration patients. Schrader J, et al. **Haemostasis** 1986;16 Suppl 2:48–58

Hemofiltration: a new technique in critical care nursing. Winkelman C. **Heart Lung** 1985 May;14(3):265–71

Combined hemofiltration and desferrioxamine treatment for aluminum induced osteomalacia. Barré PE, et al. **Int J Artif Organs** 1986 May;9(3):167–72

Experiments with continuous hemofiltration and hemofiltrate regeneration in the rat. Böttcher M, et al. **Int J Artif Organs** 1986 Jan;9(1):11–6

Drug removal during continuous arteriovenous hemofiltration: theory and clinical observations. Golper TA, et al. **Int J Artif Organs** 1985 Nov;8(6):307–12

Total body fluid volume determination based on urea kinetics in hemofiltration as an index of basal body weight in uremic patients. Kimura G, et al. **Int J Artif Organs** 1986 May; 9(3):159–62

Pharmacokinetics of cefotiam during hemofiltration. Alonso IG, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Jul; 24(7):359–61

Efficiency of high permeable membranes in hemodiafiltration in children: an optimal method of purification. Fischbach M, et al. **Int J Pediatr Nephrol** 1985 Oct–Dec;6(4):251–6

Hemofiltration in severe septic adult respiratory distress syndrome associated with varicella. Gotloib L, et al. **Intensive Care Med** 1985;11(6):319–22

Evaluation of lysis filtration as an adjunct to conventional blood culture. Chan R, et al. **J Clin Pathol** 1986 Jan; 39(1):89–92

Severe post-TURP syndrome in patient with renal insufficiency: treatment with hemofiltration. Sandroni S. **J Fla Med Assoc** 1986 May;73(5):384–5

A comparison of Cell Saver versus ultrafilter during coronary artery bypass operations. Breyer RH, et al. **J Thorac Cardiovasc Surg** 1985 Nov;90(5):736–40

Heterogeneity of the cardiovascular response to hemofiltration. Henderson LW. **Kidney Int** 1986 Apr; 29(4):901–7

Effect of dialysis and ultrafiltration on osmolality, colloid osmotic pressure, and vascular refilling rate. Rodriguez M, et al. **Kidney Int** 1985 Nov;28(5):808–13

Ultrafiltration coefficient of isolated glomeruli of rats aged 4 days to maturation. Savin VJ, et al. **Kidney Int** 1985 Dec; 28(6):926–31

Low molecular weight heparin in hemodialysis and hemofiltration patients. Schrader J, et al. **Kidney Int** 1985 Nov;28(5):823–9

Detection of plasma proteins during sequential ultrafiltration/dialysis. Wichman Z, et al. **Kidney Int** 1985 Sep;28(3):558–65

Clinical comparison of hemodialysis and hemofiltration. Collins AJ, et al. **Kidney Int [Suppl]** 1985 Dec;17:S18–22

Minimal standards for hemofiltration. Minetti L, et al. **Kidney Int [Suppl]** 1985 Dec;17:S116–9

Ultrafiltration and haemofiltration for refractory congestive cardiac failure [editorial] **Lancet** 1986 May 24;1(8491):1193

Membrane filtration and safety of human growth hormone [letter] Taylor DM. **Lancet** 1986 Mar 8;1(8480):559

How much additional blood trauma is caused by haemofiltration during cardiopulmonary bypass? Karliczek GF, et al. **Life Support Syst** 1986;4 Suppl 1:167–73

Comparative evaluation of bone aluminum content and bone histology in patients on chronic hemodialysis and hemofiltration. Sebert JL, et al. **Nephron** 1986;42(1):34–40

Effect of ultrafiltration on peritoneal dialysis drug clearances. Lau AH, et al. **Pharmacology** 1985;31(5):284–8

Hemofiltration in septic ARDS. The artificial kidney as an artificial endocrine lung. Gotloib L, et al. **Resuscitation** 1986 Jan;13(2):123–32

Hemofiltration in severe high microvascular permeability pulmonary edema secondary to rickettsial spotted fever. Gotloib L, et al. **Resuscitation** 1985 Jun;13(1):25–9

Continuous arteriovenous hemofiltration: improved survival in surgical acute renal failure? Bartlett RH, et al. **Surgery** 1986 Aug;100(2):400–8

Determination of free valproic acid levels by ultrafiltration [letter] Kara MH, et al. **Ther Drug Monit** 1986;8(2):245–6

Cerebral blood flow during cardiopulmonary bypass in man: effect of arterial filtration. Henriksen L, et al. **Thorax** 1986 May;41(5):386–95

Continuous arteriovenous hemofiltration: a comparison with hemodialysis in acute renal failure. Kohen JA, et al. **Trans Am Soc Artif Intern Organs** 1985;31:169–75

Spontaneous ascites filtration and reinfusion (SAFR) as ambulatory chronic treatment for hepatorenal syndrome. Landini S, et al. **Trans Am Soc Artif Intern Organs** 1985; 31:439–43

Flow visualization of blood at the wall of a porous fiber. Lewandowski JJ, et al. **Trans Am Soc Artif Intern Organs** 1985;31:419–23

[Clinical application of hemofiltration] Zhu LY, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Apr;25(4):204–7, 252–3 (Eng. Abstr.) (Chi)

[Treatment of lead poisoning by drinking water using hemofiltration and chelationin a hemodialysed anuric patient] Kessler M, et al. **Nephrologie** 1985;6(5):235–8 (Eng. Abstr.) (Fre)

[Hemofiltration in chronic heart failure] Glogar DH, et al. **Acta Med Austriaca** 1985;12(3–4):73–82 (Eng. Abstr.) (Ger)

[Continuous hemofiltration in peritonitis] Mauritz W, et al. **Acta Med Austriaca** 1985;12(3–4):83–7 (Eng. Abstr.) (Ger)

[Hemofiltration and the neurohumoral system in patients with severe heart failure] Wittels P, et al. **Acta Med Austriaca** 1985;12(3–4):89–95 (Eng. Abstr.) (Ger)

[Complications of continuous arteriovenous hemofiltration] Stokke T, et al. **Anaesthesist** 1985 Oct;34(10):528–9 (Eng. Abstr.) (Ger)

[Acute renal failure in abdominal infection. Comparison of hemodialysis and continuous arteriovenous hemofiltration] Mauritz W, et al. **Anasth Intensivther Notfallmed** 1986 Aug; 21(4):212–7 (Eng. Abstr.) (Ger)

[Production of picornavirus concentrates using ultrafiltration] Hantschel H, et al. **Arch Exp Veterinarmed** 1985 Sep; 39(5):723–9 (Eng. Abstr.) (Ger)

[Simplified procedure for ultrafiltration of cogener-containing blood samples] Bonte W, et al. **Biutalkohol** 1985 Nov;22(6):462–8 (Eng. Abstr.) (Ger)

[Continuous ultrafiltration. A new method in studies on binding with pharmaceutical substances] Rehse K. **Pharm Unserer Zeit** 1986 May;15(3):85–91 (Ger)

[Adsorption of gliclazide on the collodion membrane in ultrafiltration] Kobayashi K, et al. **Rinsho Byori** 1985 May; 33(5):569–71 (Jpn)

[Status of the cardiovascular system after sequential ultrafiltration and hemodialysis] Dzhabad-Zade MD, et al. **Sov Med** 1985;(8):21–5 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Influence of blood temperature on vascular stability during hemodialysis and isolated ultrafiltration. Maggiore Q, et al. **Int J Artif Organs** 1985 Jul;8(4):175–8

INSTRUMENTATION

Microfiltration of blood [letter] Nemeskal R, et al. **Anaesthesia** 1986 Jul;41(7):778–9

Study of blood transfusion microfilter "Filmil-1"Saev S, et al. **Anesteziol Reanim** 1986;11(2):117–20

Comparative analysis of two volumetrical ultrafiltration monitors for hemodialysis. Berden JH, et al. **Int J Artif Organs** 1986 May;9(3):163–6

Kinetic comparison of hemofilters for continuous arteriovenous hemofiltration (CAVH). Mineshima M, et al. **Trans Am Soc Artif Intern Organs** 1985;31:660–3

[Pathophysiologic evaluation study on key positions in the development concept of the implantable hemofilter intestinal hybrid kidney] Wüstenberg PW, et al. **Przegl Lek** 1985;42(4):412–5 (Ger)

[Determination of pressure loss in devices with capillary tubes made of semipermeable medical films] Dechev VI, et al. **Med Tekh** 1985 Nov–Dec;(6):18–23 (Eng. Abstr.) (Rus)

[Perfusion microfilter for blood] Simbirtsev SA, et al. **Vestn Khir** 1985 Aug;135(8):115–7 (Eng. Abstr.) (Rus)

METHODS

Solute kinetics in hypertonic hemodiafiltration and standard hemodialysis. Basile C, et al. **Am J Kidney Dis** 1986 Jun; 7(6):483–9

The purification of alphavirus virions and subviral particles using ultrafiltration and gel exclusion chromatography. Crooks AJ, et al. **Anal Biochem** 1986 Feb 1;152(2):295–303

Technical requirements for rapid high-efficiency therapies. Keshaviah P, et al. **Artif Organs** 1986 Jun;10(3):189–94

Clinical thermofiltration: initial application. Nosé Y, et al. **Artif Organs** 1985 Nov;9(4):425–7

Biofiltration in the treatment of patients with acetate dialysis intolerance. Panzetta G, et al. **Clin Nephrol** 1986 Jul; 26(1):33–6

Continuous arterio-venous haemofiltration. Ronco C, et al. **Contrib Nephrol** 1985;48:70–90

Hemofiltration. Renal replacement in the critically ill patient. Applegate GW. **Indiana Med** 1986 Jun;79(6):522–5

Enhanced efficiency during continuous arterio-venous hemofiltration: the use of predilution. Andre A, et al. **Int J Artif Organs** 1986 May;9(3):139–42

Spontaneous ascites filtration and reinfusion (SAFR) in cirrhotic patients. Landini S, et al. **Int J Artif Organs** 1985 Sep;8(5):277–80

A new technique in the treatment of pulmonary embolism. Milton DT, et al. **J Arkansas Med Soc** 1985 Dec; 82(7):326–9

Diagnostic and therapeutic technology assessment. Continuous arteriovenous hemofiltration. **JAMA** 1985 Mar 1;253(9):1325–6

Treatment of acute renal failure in newborns by continuous arterio-venous hemofiltration. Ronco C, et al. **Kidney Int** 1986 Apr;29(4):908–15

Outcome of long-term hemofiltration. Baldamus CA, et al. **Kidney Int [Suppl]** 1985 Dec;17:S41–6

Ultrafiltration and haemofiltration for refractory congestive cardiac failure [letter] **Lancet** 1986 Jun 14;1(8494):1390–1

Whole-blood filtration at different filtration pressures: evaluation in normals and diabetics. Caimi G, et al. **Microcirc Endothelium Lymphatics** 1985 Apr;2(2):185–93

Improved procedure for the purification of an iodinated protein: beta nerve growth factor. Ennulat DJ, et al. **Neurochem Res** 1985 Jul;10(7):1009–14

Depyrogenation, sterilization and deproteination of radiopharmaceuticals with an ultrafilter. Suzuki K, et al. **Nucl Med Commun** 1984 Jan;5(1):19–25

Ultrafiltration method for direct radioimmunoassay measurement of free thyroxine and free tri-iodothyronine in serum. Weeke J, et al. **Scand J Clin Lab Invest** 1986 Jun;46(4):381–9

Continuous arteriovenous hemofiltration: a simple method to improve efficacy. A technical note. Björck S, et al. **Scand J Urol Nephrol** 1985;19(4):295–6

Preparation of steroid radioligands for ultrafiltration assays by a solid-phase transport globulin method using concanavalin A–Sepharose. Hiramatsu R, et al. **Steroids** 1985 Jan;45(1):73–89

Filtration analysis of blood microemboli is not significantly affected by pulsatile filtration pressure and by pyrolite carbon filters. Solen KA, et al. **Thromb Res** 1986 Jun 1; 42(5):695–700

Reduced treatment time: hemodialysis (HD) versus hemofiltration (HF). Keshaviah P, et al. **Trans Am Soc Artif Intern Organs** 1985;31:176–82

Arteriovenous hemodiafiltration (AVHDF) combined with continuous arteriovenous hemofiltration (CAVH). Ronco C, et al. **Trans Am Soc Artif Intern Organs** 1985;31:349–53

Treatment of acute renal failure in the newborn by continuous arteriovenous hemofiltration. Ronco C, et al. **Trans Am Soc Artif Intern Organs** 1985;31:634–8

Thermal effect of LDL/HDL separation in membrane filtration; thermofiltration. Usami M, et al. **Trans Am Soc Artif Intern Organs** 1985;31:716–21

Filtration of blood for 51Cr survival studies [letter] Leigh K, et al. **Transfusion** 1986 Jan–Feb;26(1):117

When is the microfiltration of whole blood and red cell concentrates essential? When is it superfluous? **Vox Sang** 1986;50(1):54–64

[Continuous arteriovenous hemofiltration in acute renal failure. Value of regulating the rate of ultrafiltration] Milcent T, et al. **Nephrologie** 1985;6(5):239–44 (Eng. Abstr.) (Fre)

[Indications for and the results of continuous arteriovenous hemofiltration (CAVH) in heart surgery patients] Coraim F, et al. **Acta Med Austriaca** 1985;12(3–4):105–11 (Eng. Abstr.) (Ger)

[Continuous arteriovenous hemofiltration in interstitial pulmonary edema] Koller W, et al. **Acta Med Austriaca** 1985;12(3–4):97–103 (Eng. Abstr.) (Ger)

[Methods of hemofiltration] Stummvoll HK, et al. **Acta Med Austriaca** 1985;12(3–4):64–71 (Eng. Abstr.) (Ger)

[Current status and future perspectives of extracorporeal blood purification] Falkenhagen D, et al. **Z Gesamte Inn Med** 1986 May 15;41(10):297–305 (Eng. Abstr.) (Ger)

[Extracorporeal ultrafiltration method in the treatment of refractory heart failure] Takano T, et al. **Nippon Naika Gakkai Zasshi** 1985 Dec;74(12):1732–8 (Jpn)

[Experimental and clinical studies of continuous arteriovenous hemofiltration] Ota K. **Nippon Rinsho** 1985 Dec;43(12):2678–83 (Jpn)

[Ultrafiltration in the treatment of severe congestive circulatory insufficiency] Broks-Bratkowska B, et al. **Pol Tyg Lek** 1985 Aug 12;40(32):907–8 (Eng. Abstr.) (Pol)

[Review of the methods of cytological examination of the cerebrospinal fluid] Zbrojkiewicz JS, et al. **Pol Tyg Lek** 1986 Mar 10;41(10):291–4 (Pol)

[Current aspects of hemofiltration] Kurashvili RB. **Gematol Transfuziol** 1986 Apr;31(4):50–3 (Rus)

[Blood ultrafiltration in cardiac surgery patients] Pur'e GO. **Kardiologiia** 1985 Aug;25(8):112–4 (71 ref.) (Rus)

[Use of the method of ultrafiltration through UAM Vladipor semipermeable membranes for isolating low-molecular blood serum substances] Antonenko VT, et al. **Lab Delo** 1985;(10):590–1 (Eng. Abstr.) (Rus)

[Clinical and hemodynamic effectiveness of isolated ultrafiltration in the treatment of patients with severe cardiac insufficiency] Mukharliamov NM, et al. **Ter Arkh** 1985;57(10):85–9 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

Two years clinical experience with continuous arteriovenous hemofiltration in acute renal failure. Domoto DT. **Trans Am Soc Artif Intern Organs** 1985;31:581–5

ULTRASONIC DIAGNOSIS

Sonoanatomy of the shoulder. Balogh B, et al. **Acta Anat (Basel)** 1986;126(2):132–5

Ultrasonography in the diagnosis of bladder tumours. Rózsahegyi J, et al. **Acta Chir Hung** 1985;26(4):235–51

Current problems of the diagnostics of the retroperitoneum. Schmidt L, et al. **Acta Chir Hung** 1986;27(1):35–44

Scope for diagnostic uses of ultrasound in inveterate tendon

injuries. Vĕlek V, et al. **Acta Chir Plast** 1985;27(4):224–34

Comparison of ultrasonography and computed tomography in preoperative location of parathyroid adenomas. Järhult J, et al. **Acta Chir Scand** 1985;151(7):583–7

Ultrasonic A- and B-scanning in clinical and experimental dermatology. Søndergaard J, et al. **Acta Derm Venereol [Suppl] (Stockh)** 1985;120:76–82

Ultrasonographic evaluation of the pancreas in tropical pancreatic diabetes. Mohan V, et al. **Acta Diabetol Lat** 1985 Apr–Jun;22(2):143–8

The value of computed tomography, ultrasonography, and peritoneoscopy with biopsy in the detection of liver metastases secondary to gastro-enterological tumors. Fevery J, et al. **Acta Gastroenterol Belg** 1985 Mar–Apr; 48(2):105–10

An evaluation of routine early pregnancy ultrasonography. Imoedemhe DA, et al. **Acta Obstet Gynecol Scand** 1985; 64(5):427–31

Complete fetal heart block diagnosed by ultrasound. Iversen OE, et al. **Acta Obstet Gynecol Scand** 1985;64(6):533–5

Antenatal diagnosis of bilateral congenital chylothorax with pericardial effusion. Jaffa AJ, et al. **Acta Obstet Gynecol Scand** 1985;64(5):455–6

Advanced pregnancy in the rudimentary horn of a bicornuate uterus. Liang ST, et al. **Acta Obstet Gynecol Scand** 1985; 64(5):447–9

Growth in breech presentation. Ultrasound and post-partal assessment of growth in 225 fetuses presenting by the breech in the 33rd gestational week. Luterkort M, et al. **Acta Obstet Gynecol Scand** 1986;65(2):157–60

Fetal hydrothorax and bilateral pulmonary hypoplasia. Ultrasonic diagnosis. Peleg D, et al. **Acta Obstet Gynecol Scand** 1985;64(5):451–3

Intra-uterine weight curves obtained by ultrasound. Persson PH, et al. **Acta Obstet Gynecol Scand** 1986;65(2):169–73

Conceptual dating by ultrasonic measurement of the fetal biparietal diameter in early pregnancy. Selbing A, et al. **Acta Obstet Gynecol Scand** 1985;64(7):593–7

Ultrasonic assessment of cervix in 'at risk' patients. Varma TR, et al. **Acta Obstet Gynecol Scand** 1986;65(2):147–52

Ultrasonic assessment of cervix in normal pregnancy. Varma TR, et al. **Acta Obstet Gynecol Scand** 1986;65(3):229–33

Computed tomography and ultrasonography for diagnosis of hip joint effusion in children. Egund N, et al. **Acta Orthop Scand** 1986 Jun;57(3):211–5

Ultrasonography in hip disease in children. Kallio P, et al. **Acta Orthop Scand** 1985 Oct;56(5):367–71

Periventricular leukomalacia: ultrasonic diagnosis and neurological outcome. Calvert SA, et al. **Acta Paediatr Scand** 1986 May;75(3):489–96

Ultrasound imaging in diffuse thyroid disorders of children. Pöyhönen L, et al. **Acta Paediatr Scand** 1986 Mar; 75(2):272–8

Frequency of foetal growth deviations diagnosed by ultrasonic measurement and analysis of their causes. Stembera Z, et al. **Acta Paediatr Scand [Suppl]** 1985; 319:48–51

Ultrasound examination of skin thickness in patients with progressive systemic sclerosis (scleroderma). Åkesson A, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Jan–Feb;27(1):91–4

Sound velocity in the middle phalanges of the human hand. Fredfeldt KE. **Acta Radiol [Diagn] (Stockh)** 1986 Jan–Feb; 27(1):95–6

Ultrasonography of the undescended testis. Hederström E, et al. **Acta Radiol [Diagn] (Stockh)** 1985 Jul–Aug; 26(4):453–6

Accuracy of repeated kidney size estimation by ultrasonography and urography in children. Hederström E, et al. **Acta Radiol [Diagn] (Stockh)** 1985 Sep–Oct; 26(5):603–7

Ultrasonography and computed tomography in adenomyomatosis of the gallbladder. Izumi N, et al. **Acta Radiol [Diagn] (Stockh)** 1985 Nov–Dec;26(6):689–92

Incidental findings of gastrointestinal tumours at abdominal ultrasound examinations. Lyttkens K, et al. **Acta Radiol [Diagn] (Stockh)** 1985 Nov–Dec;26(6):671–5

Fallopian tube patency demonstrated at ultrasonography. Rasmussen F, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Jan–Feb;27(1):61–3

Ultrasonic assessment of abdominal venous return. II. Volume blood flow in the inferior vena cava and portal vein. Smith HJ, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Jan–Feb;27(1):23–7

Ultrasonic assessment of abdominal venous return. I. Effect of cardiac action and respiration on mean velocity pattern, cross-sectional area and flow in the inferior vena cava and portal vein. Smith HJ, et al. **Acta Radiol [Diagn] (Stockh)** 1985 Sep–Oct;26(5):581–8

Prostatic abscess. Diagnosis and follow-up. Rosi P, et al. **Acta Urol Belg** 1986;54(2):205–15

Periventricular leukomalacia in combination with intraventricular hemorrhage: sonographic features and sequelae. Grant EG, et al. **AJNR** 1986 May–Jun;7(3):443–7

Sonography of neonatal periventricular leukomalacia: recent experience with a 7.5-MHz scanner. Grant EG, et al. **AJNR** 1985 Sep–Oct;6(5):781–5

Prominent choroid plexus in meningomyelocele: sonographic findings. Netanyahu I, et al. **AJNR** 1986 Mar–Apr; 7(2):317–21

Sonography in the diagnosis of hepatic artery aneurysms. Athey PA, et al. **AJR** 1986 Oct;147(4):725–7

Sonographic standards for normal infant kidney length. Blane CE, et al. **AJR** 1985 Dec;145(6):1289–91

Sonographic characterization of carotid plaque: detection of hemorrhage. Bluth EI, et al. **AJR** 1986 May;146(5):1061–5

Sonography of the neonatal craniocervical junction. Cramer BC, et al. **AJR** 1986 Jul;147(1):133–9

Sonography of the postoperative rotator cuff. Crass JR, et al. **AJR** 1986 Mar;146(3):561–4

Sonographic detection of postsurgical recurrence of Crohn disease. DiCandio G, et al. **AJR** 1986 Mar;146(3):523–6

Renal sonography in the differentiation of upper from lower urinary tract infection. Dinkel E, et al. **AJR** 1986 Apr; 146(4):775–80

Peritrigonal echogenic "blush" on cranial sonography: pathologic correlates. DiPietro MA, et al. **AJR** 1986 May; 146(5):1067–72

Sonographic measurement of gallbladder volume. Dodds WJ, et al. **AJR** 1985 Nov;145(5):1009–11

Interstitial radiation therapy for hepatic metastases: sonographic guidance for applicator placement. Dritschilo A, et al. **AJR** 1986 Aug;147(2):275–8

CT and sonography of multiple bile-duct hamartomas simulating malignant liver disease (case report). Eisenberg D, et al. **AJR** 1986 Aug;147(2):279–80

Value of sonographic screening for gallstones in patients with chest pain and normal coronary arteries. Fein AB, et al. **AJR** 1986 Feb;146(2):337–9

Fetal renal cystic disease: sonographic-pathologic correlation. Fong KW, et al. **AJR** 1986 Apr;146(4):767–73

Sonographic diagnosis of foreign bodies of the distal extremities. Fornage BD, et al. **AJR** 1986 Sep;147(3):567–9

Regenerating nodules in cirrhosis: sonographic appearance with anatomic correlation. Freeman MP, et al. **AJR** 1986 Mar;146(3):533–6

Intraoperative sonography of perisplenic pseudocysts. Gooding GA, et al. **AJR** 1985 Nov;145(5):1013–5

Sonographic and arthrographic assessment of the shoulder after operative repair of a torn rotator cuff [letter] Hall FM. **AJR** 1986 Sep;147(3):646–7

Ossification center of the infant hip: sonographic and radiographic correlation. Harcke HT, et al. **AJR** 1986 Aug; 147(2):317–21

Real-time breast sonography: application in 300 consecutive patients. Hilton SV, et al. **AJR** 1986 Sep;147(3):479–86

The interrenicular junction: a mimic of renal scarring on normal pediatric sonograms. Hoffer FA, et al. **AJR** 1985 Nov;145(5):1075–8

The gestational sac and HCG levels [letter] Kadar N, et al. **AJR** 1986 May;146(5):1098–9

Neonatal umbilical artery pseudoaneurysm: sonographic evaluation (case report). Katz ME, et al. **AJR** 1986 Aug; 147(2):322–4

The anechoic crescent in abdominal aortic aneurysms: not a sign of dissection. King PS, et al. **AJR** 1986 Feb; 146(2):345–8

Sonography of neck masses in children. Kraus R, et al. **AJR** 1986 Mar;146(3):609–13

Neonatal aortoiliac compression caused by a distended bladder. Kushner DC, et al. **AJR** 1986 Jun;146(6):1273–5

The V-shaped artifact of the gallbladder wall. Lafortune M, et al. **AJR** 1986 Sep;147(3):505–8

Sonography of the hypertrophied column of Bertin. Lafortune M, et al. **AJR** 1986 Jan;146(1):53–6

Cutaneous and visceral hemangiomata in the Klippel–Trenaunay–Weber syndrome: antenatal sonographic detection. Lewis BD, et al. **AJR** 1986 Sep; 147(3):598–600

Fetal omphalocele and gastroschisis: pitfalls in sonographic diagnosis. Lindfors KK, et al. **AJR** 1986 Oct;147(4):797–800

Intraoperative sonographic monitoring of reduction of thoracolumbar burst fractures. McGahan JP, et al. **AJR** 1985 Dec;145(6):1229–32

Sonographic diagnosis of Klatskin tumors. Machan L, et al. **AJR** 1986 Sep;147(3):509–12

Pitfalls of rotator cuff sonography. Middleton WD, et al. **AJR** 1986 Mar;146(3):555–60

Sonography of diffuse benign liver disease: accuracy of pattern recognition and grading. Needleman L, et al. **AJR** 1986 May;146(5):1011–5

Ischemic hepatic necrosis: a cause of fetal liver calcification. Nguyen DL, et al. **AJR** 1986 Sep;147(3):596–7

Transrectal pelvic abscess drainage with sonographic guidance. Nosher JL, et al. **AJR** 1986 May;146(5):1047–8

Society of Gastrointestinal Radiologists Roscoe E. Miller Award. Monitoring hepatic cryosurgery with sonography. Onik G, et al. **AJR** 1986 Oct;147(4):665–9

Prepancreatic fat deposition: a possible pitfall in pancreatic sonography. Op den Orth JO. **AJR** 1986 May;146(5):1017–8

Pancreatic pseudomass caused by the second portion of the duodenum: a pitfall during water-aided sonography (technical note). Op den Orth JO. **AJR** 1986 Aug; 147(2):281–2

Renal calcium deposition in children: sonographic demonstration of the Anderson–Carr progression. Patriquin H, et al. **AJR** 1986 Jun;146(6):1253–6

Limb-body wall complex: in utero sonographic diagnosis of a complicated fetal malformation. Patten RM, et al. **AJR** 1986 May;146(5):1019–24

Sonographic recognition of idiopathic arterial calcification of infancy. Rosenbaum DM, et al. **AJR** 1986 Feb; 146(2):249–50

Pseudoomphalocele: pitfall in fetal sonography. Salzman L, et al. **AJR** 1986 Jun;146(6):1283–5

Sonographic appearance of the torcular Herophili. Segal SR, et al. **AJR** 1986 Jan;146(1):109–12

The sonographic evaluation of fetal anomalies in oligohydramnios between 16 and 30 weeks gestation. Sivit CJ, et al. **AJR** 1986 Jun;146(6):1277–81

High-resolution sonography of the recurrent laryngeal nerve: anatomic and pathologic considerations. Solbiati L, et al. **AJR** 1985 Nov;145(5):989–93

Incidental detection of impalpable testicular neoplasm by sonography. Stoll S, et al. **AJR** 1986 Feb;146(2):349–50

Renal sonography in American Burkitt lymphoma. Strauss S, et al. **AJR** 1986 Mar;146(3):549–52

Diffuse testicular disease: sonographic features and significance. Subramanyam BR, et al. **AJR** 1985 Dec; 145(6):1221–4

Pararenal space hyperechogenicity in childhood pancreatitis. Swischuk LE, et al. **AJR** 1985 Nov;145(5):1085–6

Microbubbles as a contrast agent for neurosonography and ultrasound-guided catheter manipulation: in vitro studies. Widder DJ, et al. **AJR** 1986 Aug;147(2):347–52

Prevalence of "compressed" and asymmetric lateral ventricles in healthy full-term neonates: sonographic study. Winchester P, et al. **AJR** 1986 Mar;146(3):471–5

Floating gallstones in bile without added contrast material. Yeh HC, et al. **AJR** 1986 Jan;146(1):49–50

Antenatal diagnosis of fetal anomalies and the reproductive ultrasound fetal malformation registry. Quinlan RW. **Ala J Med Sci** 1986 Jan;23(1):47–9

Ultrasound of the breast. What are the indications? Rubin E, et al. **Ala J Med Sci** 1986 Apr;23(2):192–5

Similarity of anomalous origin of right pulmonary artery from the ascending aorta to d-transposition of the great arteries: 2D echographic and Doppler study. Jureidini S, et al. **Am Heart J** 1986 Jul;112(1):175–6

Value and limitations of Doppler ultrasound in the evaluation of aortic stenosis: a statistical analysis of 70 consecutive patients. Panidis IP, et al. **Am Heart J** 1986 Jul;112(1):150–8

Systematic correlation of continuous-wave Doppler and hemodynamic measurements in patients with aortic stenosis. Smith MD, et al. **Am Heart J** 1986 Feb; 111(2):245–52

Impaired left ventricular function in acute myocardial infarction assessed by Doppler measurement of ascending aortic blood velocity and maximum acceleration. Mehta N, et al. **Am J Cardiol** 1986 May 1;57(13):1052–8

Computerized tomography and ultrasound in the noninvasive evaluation of coarctation of the aorta. Modena MG, et al. **Am J Cardiol** 1985 Nov 1;56(12):822–4

Detection of diastolic atrioventricular valvular regurgitation by pulsed Doppler echocardiography and its association with complete heart block. Rokey R, et al. **Am J Cardiol** 1986 Mar 1;57(8):692–4

Wilms' tumor detection in patients with sporadic aniridia. Successful use of ultrasound. Friedman AL. **Am J Dis Child** 1986 Feb;140(2):173–4

Primary leiomyosarcoma of gallbladder seen on computed tomography and ultrasound. Newmark H 3d, et al. **Am J Gastroenterol** 1986 Mar;81(3):202–4

The Mirizzi syndrome: preoperative diagnosis by sonography and transhepatic cholangiography. Ravo B, et al. **Am J Gastroenterol** 1986 Aug;81(8):688–90

The impact of new imaging techniques on the study of portal hypertension [editorial] Riely CA. **Am J Gastroenterol** 1986 Jun;81(6):499–500

Sonographic patent umbilical vein: lack of specificity for portal hypertension. Salmi A, et al. **Am J Gastroenterol** 1986 Jul;81(7):556–8

The prenatal growth of the human body determined by the measurement of bones and organs by ultrasonography. Elejalde BR, et al. **Am J Med Genet** 1986 Aug;24(4):575–98

Prenatal diagnosis of fetal renal mesoblastic nephroma. Apuzzio JJ, et al. **Am J Obstet Gynecol** 1986 Mar; 154(3):636–7

Predictive value of ultrasonic targeted imaging for fetal anomalies [letter] Arora SS. **Am J Obstet Gynecol** 1986 Aug;155(2):452

Ultrasound evaluation of amniotic fluid: outcome of pregnancies with severe oligohydramnios. Bastide A, et al. **Am J Obstet Gynecol** 1986 Apr;154(4):895–900

Limitations of using maximum vertical pocket and other sonographic evaluations of amniotic fluid volume to predict fetal growth: technical or physiologic? Bottoms SF, et al. **Am J Obstet Gynecol** 1986 Jul;155(1):154–8

A sonographic sign for detection of Down's syndrome [letter] Castillo RA. **Am J Obstet Gynecol** 1985 Nov 1;153(5):595

Ultrasonographic evidence of uterine malignancy in the postmenopausal uterus. Chambers CB, et al. **Am J Obstet Gynecol** 1986 Jun;154(6):1194–9

Antenatal diagnosis of renal anomalies with ultrasound. IV. Bilateral multicystic kidney disease. D'Alton M, et al. **Am J Obstet Gynecol** 1986 Mar;154(3):532–7

A sonographic sign for fetal Down's syndrome [letter] Defoort P, et al. **Am J Obstet Gynecol** 1986 May; 154(5):1169–70

Failure of nonstress test and Doppler-assessed umbilical arterial blood flow to detect imminent intrauterine death. Erskine RL, et al. **Am J Obstet Gynecol** 1986 May; 154(5):1109–10

Intrapartum ultrasound diagnosis of nuchal cord as a decisive factor in management. Feinstein SJ, et al. **Am J Obstet Gynecol** 1985 Oct 1;153(3):308–9

Fetal cystic hygroma colli: antenatal diagnosis, significance,

and management. Garden AS, et al. **Am J Obstet Gynecol** 1986 Feb;154(2):221–5

alpha–Thalassemia hydrops fetalis: clinical and ultrasonographic considerations. Guy G, et al. **Am J Obstet Gynecol** 1985 Nov 1;153(5):500–4

Reliability of amniotic fluid volume estimation from ultrasonograms: intraobserver and interobserver variation before and after the establishment of criteria. Halperin ME, et al. **Am J Obstet Gynecol** 1985 Oct 1;153(3):264–7

Ultrasound evaluation of polyhydramnios and twin pregnancy. Hashimoto B, et al. **Am J Obstet Gynecol** 1986 May;154(5):1069–72

Functional development of human eye movement in utero assessed quantitatively with real–time ultrasound. Inoue M, et al. **Am J Obstet Gynecol** 1986 Jul;155(1):170–4

Sonographic diagnosis of periappendicular abscess in pregnancy. Jaffe R, et al. **Am J Obstet Gynecol** 1985 Nov 15;153(6):623–4

Biophysical profile scoring in the management of the postterm pregnancy: an analysis of 307 patients. Johnson JM, et al. **Am J Obstet Gynecol** 1986 Feb;154(2):269–73

The "vanishing twin": ultrasonographic assessment of fetal disappearance in the first trimester. Landy HJ, et al. **Am J Obstet Gynecol** 1986 Jul;155(1):14–9

Ultrasound differentiation of the competent from the incompetent cervix: prevention of preterm delivery. Michaels WH, et al. **Am J Obstet Gynecol** 1986 Mar; 154(3):537–46

Prenatal diagnosis of craniofacial malformations with ultrasonography. Pilu G, et al. **Am J Obstet Gynecol** 1986 Jul;155(1):45–50

The prenatal diagnosis of Robin anomalad. Pilu G, et al. **Am J Obstet Gynecol** 1986 Mar;154(3):630–2

Ultrasound–guided fetal intravascular transfusion in severe rhesus immunization. Seeds JW, et al. **Am J Obstet Gynecol** 1986 May;154(5):1105–7

Correlation of the ultrasonic appearance of the ovaries in polycystic ovarian disease and the clinical, hormonal, and laparoscopic findings. el Tabbakh GH, et al. **Am J Obstet Gynecol** 1986 Apr;154(4):892–5

"Ultrasound rescue": a successful alternative form of oocyte recovery in patients with periovarian adhesions. Taylor PJ, et al. **Am J Obstet Gynecol** 1986 Feb;154(2):240–4

Magnetic resonance imaging and ultrasonography in the antenatal evaluation of conjoined twins. Turner RJ, et al. **Am J Obstet Gynecol** 1986 Sep;155(3):645–9

Maternal hemorrhage into the amniotic sac producing an apparent umbilical cord mass on sonogram. Witter FR, et al. **Am J Obstet Gynecol** 1986 Sep;155(3):649–51

Diagnostic ultrasound in pediatric oncology. Dean JC, et al. **Am J Pediatr Hematol Oncol** 1985 Fall;7(3):270–82

A pocket computer program for obstetric ultrasound calculations. Ashmead GG, et al. **Am J Perinatol** 1986 Jan; 3(1):69–73

Prenatal diagnosis of fetal abdominal masses by ultrasonography. Brans YW, et al. **Am J Perinatol** 1986 Jul;3(3):189–91

Midtrimester diagnosis of severe deforming osteogenesis imperfecta with autosomal dominant inheritance. Carpenter MW, et al. **Am J Perinatol** 1986 Apr;3(2):80–3

Computer assisted estimation of fetal weight by real–time ultrasound. Kirk JS, et al. **Am J Perinatol** 1986 Jan; 3(1):61–2

Candidiasis in very low birthweight infants. Ultrasonography in the diagnosis of renal involvement. Ohlsson A, et al. **Am J Perinatol** 1986 Jan;3(1):13–5

Software design for computerized analysis of obstetric and gynecologic ultrasound examinations. Peisner D, et al. **Am J Perinatol** 1986 Jan;3(1):64

The holoacardius acephalus twin: prenatal diagnosis. Reuhland RG, et al. **Am J Perinatol** 1986 Jan;3(1):33–4

Intrauterine malnutrition and computer–assisted processing of serial ultrasound data. Rossavik IK, et al. **Am J Perinatol** 1986 Jan;3(1):65–6

A microcomputer–based real–time system for measurement and analysis of umbilical flow velocity waveforms obtained by Doppler ultrasound. Saini VD, et al. **Am J Perinatol** 1986 Jan;3(1):74–6

Relationship of placental grade to fetal pulmonary maturity and respiratory distress syndrome. Shah YG, et al. **Am J Perinatol** 1986 Jan;3(1):53–5

Prenatal ultrasonic diagnosis of arteriovenous malformation of the vein of Galen. Vintzileos AM, et al. **Am J Perinatol** 1986 Jul;3(3):209–11

Acute development of oligohydramnios in a pregnancy complicated by chronic hypertension and superimposed pre–eclampsia. Weinbaum PJ, et al. **Am J Perinatol** 1986 Jan;3(1):47–9

Gastric mucosal blood flow measured by laser–Doppler velocimetry. Kiel JW, et al. **Am J Physiol** 1985 Oct;249(4 Pt 1):G539–45

Ultrasound measurement of the anterior leg compartment. Brahim F, et al. **Am J Sports Med** 1986 Jul–Aug;14(4):300–2

Effect of quantitated stenoses on arterial sound spectrum analysis. Flanigan DP, et al. **Am J Surg** 1986 Aug; 152(2):196–201

Initial experience comparing B–mode imaging and venography of the saphenous vein before in situ bypass. Leopold PW, et al. **Am J Surg** 1986 Aug;152(2):206–10

Carotid endarterectomy after Doppler ultrasonographic examination without angiography. Thomas GI, et al. **Am J Surg** 1986 May;151(5):616–9

Value of chest ultrasonography versus decubitus roentgenography for thoracentesis. Kohan JM, et al. **Am Rev Respir Dis** 1986 Jun;133(6):1124–6

The post endarterectomy carotid bruit. Evaluation by Duplex scan. Hines GL, et al. **Am Surg** 1985 Oct;51(10):570–2

Sonography of the tongue and floor of mouth. Balogh B, et al. **Anat Anz** 1986;161(4):249–58

Ultrasonographic anatomy and diagnosis of fetal uropathies affecting the upper urinary tract. I. Obstructive uropathies. Duval JM, et al. **Anat Clin** 1985;7(4):301–32 (121 ref.)

Ultrasonographic anatomy and physiology of the fetal kidney. Duval JM, et al. **Anat Clin** 1985;7(2):107–23

The region of the midbrain. Anatomy and peculiarities of its presentation in sonography. Kock C, et al. **Anat Clin** 1985;7(3):209–14

Junctional rhythm can mimic air embolism during precordial Doppler monitoring. Azad SS, et al. **Anesth Analg** 1986 Oct;65(10):1083–4

Continuous noninvasive monitoring of cardiac output with esophageal Doppler ultrasound during cardiac surgery. Mark JB, et al. **Anesth Analg** 1986 Oct;65(10):1013–20

Carotid artery assessment with continuous wave Doppler ultrasound, comparison of two methods with angiography. Hutchison KJ, et al. **Angiology** 1985 Nov;36(11):785–91

Transcutaneous flow measurements in in–situ bypasses: an assessment of duplex scanning. Leopold PW, et al. **Angiology** 1986 Mar;37(3 Pt 1):143–8

Ultrasonography in the diagnosis of cholestatic jaundice. Lui P, et al. **Ann Acad Med Singapore** 1986 Apr;15(2):182–5

Doppler ultrasound failure [letter] **Ann Emerg Med** 1985 Dec; 14(12):1243–4

Abdominal ultrasound. Sternbach G. **Ann Emerg Med** 1986 Mar;15(3):295–9

Ultrasonography in acute fatty liver of pregnancy. Campillo B, et al. **Ann Intern Med** 1986 Sep;105(3):383–4

Double shifting fluid levels detected ultrasonographically in total retinal detachment. Kozlowski JM, et al. **Ann Ophthalmol** 1986 Feb;18(2):59

Recognition of carotid artery disease. Barid RN. **Ann R Coll Surg Engl** 1985 Sep;67(5):284–7

Doppler waveform analysis in the management of lower limb arterial disease. Campbell WB. **Ann R Coll Surg Engl** 1986 Mar;68(2):103–6

Assessment of the distal lower limb arteries: a comparison of arteriography and Doppler ultrasound. Campbell WB, et al. **Ann R Coll Surg Engl** 1986 Jan;68(1):37–9

The accuracy of ultrasound in the diagnosis of breast disease. Smallwood JA, et al. **Ann R Coll Surg Engl** 1986 Jan; 68(1):19–22

Atypical gallbladder content in newborn infants: ultrasonic demonstration. Avni EF, et al. **Ann Radiol (Paris)** 1986; 29(3–4):267–73 **(Eng, Fre)**

Diagnosis in phlebothrombosis. Phlebofluorography versus Doppler sonography. Maurer HJ. **Ann Radiol (Paris)** 1986; 29(2):161–4

Fetal renal dysplasia: sonographic visualisation of six characteristic patterns with histological correlation. Paillé P, et al. **Ann Radiol (Paris)** 1986;29(3–4):406–14 **(Eng, Fre)**

Simple renal cyst and hypertension. Pearl M, et al. **Ann Radiol (Paris)** 1986;29(3–4):421–3

Ultrasonic study of pseudosurgical viral hepatitis. About four cases. Pracros JP, et al. **Ann Radiol (Paris)** 1986; 29(3–4):287–92 **(Eng, Fre)**

Method and results of ultrasound in hip studies. Zieger M, et al. **Ann Radiol (Paris)** 1986;29(3–4):383–6

Recurrent versus residual carotid stenosis. Incidence detected by Doppler ultrasound. Barnes RW, et al. **Ann Surg** 1986 Jun;203(6):652–60

Preoperative imaging of liver metastases. Comparison of angiography, CT scan, and ultrasonography. Gunvén P, et al. **Ann Surg** 1985 Nov;202(5):573–9

Intraoperative ultrasonography evaluation of the gallbladder in morbidly obese patients [letter] Meyerowitz BR. **Ann Surg** 1985 Dec;202(6):790

Pedunculated left ventricular rhabdomyoma. Howanitz EP, et al. **Ann Thorac Surg** 1986 Apr;41(4):443–5

Comparison of ultrasound examination and intravenous urography after a urinary tract infection. Lindsell D, et al. **Arch Dis Child** 1986 Jan;61(1):81–2

Transient sexual precocity and ovarian cysts. Lyon AJ, et al. **Arch Dis Child** 1985 Sep;60(9):819–22

Structure and evolution of echo dense lesions in the neonatal brain. A combined ultrasound and necropsy study. Rushton DI, et al. **Arch Dis Child** 1985 Sep;60(9):798–808

Diagnosis and outcome of subcortical cystic leucomalacia. Trounce JQ, et al. **Arch Dis Child** 1985 Nov;60(11):1041–4

Prenatal diagnosis of dwarfism by ultrasound screening. Weldner BM, et al. **Arch Dis Child** 1985 Nov;60(11):1070–2

Lesions in the neonatal brain [letter] Wigglesworth JS. **Arch Dis Child** 1985 Dec;60(12):1202–3

Fetal circulation 60 to 80 minutes after vaginal prostaglandin E2 in pregnant women at term. Lindblad A, et al. **Arch Gynecol** 1985;237(1):31–6

Ultrasound study of ovarian and uterine morphology in women with polycystic ovary syndrome before, during and after treatment with cyproterone acetate and ethinyloestradiol. Venturoli S, et al. **Arch Gynecol** 1985; 237(1):1–10

Ultrasonic characteristics of retinopathy of prematurity presenting with leukokoria. Shapiro DR, et al. **Arch Ophthalmol** 1985 Nov;103(11):1690–2

Thyroid cartilage imaging with diagnostic ultrasound. Correlative studies. Rothberg R, et al. **Arch Otolaryngol Head Neck Surg** 1986 May;112(5):503–15

Accuracy and indications of diagnostic studies for extracranial carotid disease. Connolly JE, et al. **Arch Surg** 1985 Nov;120(11):1229–32

Radiologic diagnosis of an intra–abdominal abscess. Do multiple tests help? Dobrin PB, et al. **Arch Surg** 1986 Jan; 121(1):41–6

Congenital microarteriovenous shunts. Angiographic and Doppler ultrasonographic identification. Haimovici H, et al. **Arch Surg** 1986 Sep;121(9):1065–70

The estimation of fetal weight using an ultrasonic parallel planimetric area method. Iijima S, et al. **Asia Oceania J Obstet Gynaecol** 1986 Mar;12(1):127–35

Experience with real time ultrasound directed transcervical chorionic villus biopsy. Liu DT, et al. **Asia Oceania J Obstet Gynaecol** 1985 Dec;11(4):515–20

Ultrasonic evaluation and classification of ovarian tumors. Vera MT, et al. **Asia Oceania J Obstet Gynaecol** 1986 Mar; 12(1):89–97

Ultrasound–guided puncture for gynaecological and pelvic lesions. de Crespigny LC, et al. **Aust NZ J Obstet Gynaecol** 1985 Aug;25(3):227–9

Intraoperative ultrasound during carotid artery surgery. Ackroyd N, et al. **Aust NZ J Surg** 1985 Aug;55(4):321–7

Hepatic peroperative echography. Hardy KJ. **Aust NZ J Surg** 1986 Jun;56(6):463–5 (15 ref.)

Aspiration cytology and ultrasonography of cold thyroid nodules. McLaughlin SJ, et al. **Aust NZ J Surg** 1986 Apr; 56(4):331–4

Ultrasonography and the impalpable testis. Rubin SZ, et al. **Aust NZ J Surg** 1986 Aug;56(8):609–11

Mortality and two year outcome of infants of birthweight 500–1500 g: relationship with neonatal cerebral ultrasound data. Kitchen WH, et al. **Aust Paediatr J** 1985 Nov; 21(4):253–9

Cranial ultrasonography as a diagnostic and predictive tool in neonatal periventricular haemorrhage [editorial] Tudehope DI. **Aust Paediatr J** 1985 Nov;21(4):249–50

The amniotic flop—a new ultrasonographic sign. Buttery B. **Australas Radiol** 1985 May;29(2):150–3

Ultrasound guided removal of an intracranial bullet: case report. de Campo JF, et al. **Australas Radiol** 1986 Feb; 30(1):6–7

Intraventricular haemorrhage. de Crespigny LC. **Australas Radiol** 1985 Aug;29(3):212–6

Ultrasound of splenic epidermoid cyst in children. Lam AH, et al. **Australas Radiol** 1985 May;29(2):147–9

The ultrasonic and angiographic appearances of Wilms tumours in adults. Morrison IS. **Australas Radiol** 1985 Nov; 29(4):345–8

The place of ultrasound in suspect early ectopic pregnancy. Murray A, et al. **Australas Radiol** 1985 Aug;29(3):256–9

The role of ultrasound in renal transplant management. Orlowski C. **Australas Radiol** 1985 Aug;29(3):251–5

The role of ultrasound in the management of twin pregnancies. Pridmore BR. **Australas Radiol** 1985 May; 29(2):154–7

Psoas abscess: ultrasonographic and computed tomographic appearances. Puvaneswary M, et al. **Australas Radiol** 1985 May;29(2):163–6

Ultrasonic evaluation of cervical incompetence. Costantini S, et al. **Biol Res Pregnancy Perinatol** 1986;7(1):11–6

In utero sonographic diagnosis of semilobar holoprosencephaly. Filice C, et al. **Biol Res Pregnancy Perinatol** 1985;6(3):112–3

The role of ultrasound in the diagnosis of cyclosporine toxicity in renal transplantation. Bergren CT, et al. **Bol Asoc Med PR** 1986 Feb;78(2):50–4

The role of cross sectional echocardiography and pulsed Doppler ultrasound in the management of neonates in whom congenital heart disease is suspected. A prospective study. Leung MP, et al. **Br Heart J** 1986 Jul;56(1):73–82

Reproducibility of linear cardiac output measurement by Doppler ultrasound alone. McLennan FM, et al. **Br Heart J** 1986 Jan;55(1):25–31

Non–invasive assessment by Doppler ultrasound of 155 patients with bioprosthetic valves: a comparison of the Wessex porcine, low profile Ionescu–Shiley, and Hancock pericardial bioprostheses. Simpson IA, et al. **Br Heart J** 1986 Jul;56(1):83–8

Ultrasound as a screening procedure for methotrexate–induced hepatic damage in severe psoriasis. Miller JA, et al. **Br J Dermatol** 1985 Dec;113(6):699–705

Estimation of gestational age by last menstrual period, by ultrasound scan and by SP1 concentration: comparisons with date of delivery. Ahmed AG, et al. **Br J Obstet Gynaecol** 1986 Feb;93(2):122–7

Examining the fetal heart [editorial] Allan LD. **Br J Obstet Gynaecol** 1986 Apr;93(4):305–6

The routine use of ultrasound [letter] Campbell S, et al. **Br J Obstet Gynaecol** 1986 Mar;93(3):294–6

The value of ultrasound and clinical trials in obstetrics [letter] Davey DA, et al. **Br J Obstet Gynaecol** 1986 Jan;93(1):95–7

Efficacy of intrauterine volume, fetal abdominal area and biparietal diameter measurements with ultrasound in screening for small–for–dates babies. Geirsson RT, et al. **Br J Obstet Gynaecol** 1985 Sep;92(9):929–35

Intrauterine volume, fetal abdominal area and biparietal diameter measurements with ultrasound in the prediction of small–for–dates babies in a high–risk obstetric

population. Geirsson RT, et al. **Br J Obstet Gynaecol** 1985 Sep;92(9):936–40

A new method for the measurement of pre-ejection period in the human fetus. Giorlandino C, et al. **Br J Obstet Gynaecol** 1986 Apr;93(4):307–9

Ultrasound study of ovarian cysts in pregnancy: prevalence and significance. Hogston P, et al. **Br J Obstet Gynaecol** 1986 Jun;93(6):625–8

Birthweight-for-gestational age charts based on early ultrasound estimation of gestational age. Secher NJ, et al. **Br J Obstet Gynaecol** 1986 Feb;93(2):128–34

Ultrasound demonstration of increased frequency of functional ovarian cysts in women using progestogen-only oral contraception. Tayob Y, et al. **Br J Obstet Gynaecol** 1985 Oct;92(10):1003–9

A comparison of fetal heart rate monitoring and umbilical artery waveforms in the recognition of fetal compromise. Trudinger BJ, et al. **Br J Obstet Gynaecol** 1986 Feb; 93(2):171–5

Doppler ultrasound assessment of cerebral blood flow in the human fetus. Wladimiroff JW, et al. **Br J Obstet Gynaecol** 1986 May;93(5):471–5

A case of branchial (lympho-epithelial) cyst, illustrating the value of ultrasound in diagnosis of cervical swellings. Earl PD, et al. **Br J Oral Maxillofac Surg** 1985 Aug;23(4):292–7

An implanted ultrasound Doppler probe for microvascular monitoring: an experimental study. Roberts JO, et al. **Br J Plast Surg** 1986 Jan;39(1):118–24

Proceedings of the British Institute of Radiology. Radiology '86: forty-fourth annual congress and scientific exhibition. Bristol, April 9–11, 1986. **Br J Radiol** 1986 Aug; 59(704):799–864

Proceedings of the British Medical Ultrasound Society. Seventeenth annual meeting. Southampton, December 17–19, 1985. Abstracts. **Br J Radiol** 1986 Jul;59(703):731–44

Proceedings of the British Medical Ultrasound Society. Fifteenth annual meeting. December 18–21, 1983. Abstracts. **Br J Radiol** 1985 Mar;58(687):275–83

Arthrosonography of the irritable hip in childhood: a review of 1 year's experience. Adam R, et al. **Br J Radiol** 1986 Mar;59(699):205–8

Ultrasound of the hip: a review of the applications of a new technique. Berman L, et al. **Br J Radiol** 1986 Jan; 59(697):13–7

The value of pre-operative ultrasound of the liver in colonic and gastric neoplasia. Cave-Bigley DJ, et al. **Br J Radiol** 1985 Jan;58(685):13–4

Prominent periportal echogenicity: its sonographic evaluation and its significance. Chau EM, et al. **Br J Radiol** 1986 Jun;59(702):543–6

Serial quantitative maternal nephrosonography in pregnancy. Cietak KA, et al. **Br J Radiol** 1985 May;58(689):405–13

Serial qualitative maternal nephrosonography in pregnancy. Cietak KA, et al. **Br J Radiol** 1985 May;58(689):399–404

Neurosonography in full-term cerebral haemorrhage. Cremin BJ, et al. **Br J Radiol** 1985 Feb;58(686):111–4

Thoracic neuroblastoma: antenatal demonstration in a case with unusual post-natal radiographic findings. de Filippi G, et al. **Br J Radiol** 1986 Jul;59(703):704–6

Ultrasonography of hepatic portal venous gas due to diverticulitis. Fataar S, et al. **Br J Radiol** 1986 Feb; 59(698):183–5

Computed tomography and ultrasound of a urachal cancer. Fitzgerald EJ, et al. **Br J Radiol** 1985 Jan;58(685):88–90

Prune belly syndrome with ultrasound demonstration of reduction of megacystis in utero. Fitzsimons RB, et al. **Br J Radiol** 1985 Apr;58(688):374–6

Unusual ultrasound appearance of the spleen—a case of hereditary spherocytosis. Gupta R, et al. **Br J Radiol** 1986 Mar;59(699):284–5

Lack of discernible effect of diagnostic ultrasound on the chromosomes of cord blood lymphocytes exposed in utero. Henderson LM, et al. **Br J Radiol** 1986 May; 59(701):499–503

The effect of temperature on ultrasonic images in infant cadavers. Lamont AC, et al. **Br J Radiol** 1986 Mar; 59(699):271–2

Copper-7 perforation of the uterus and urinary bladder with calculus formation—sonographic demonstration. McNamara M, et al. **Br J Radiol** 1985 Jun;58(690):558–9

Skeletal-muscle haemangioma presenting as an abdominal mass. Malone M, et al. **Br J Radiol** 1986 May;59(701):513–4

Ultrasound of the painful hip in children. Peck RJ. **Br J Radiol** 1986 Mar;59(699):293–4

Ultrasound demonstration of variations in normal portal vein diameter with posture. Rahim N, et al. **Br J Radiol** 1985 Apr;58(688):313–4

Imaging of questionable and unusual pelvic masses. Reuter KL, et al. **Br J Radiol** 1986 Aug;59(704):765–71

Accuracy of radiological staging procedures in non-seminomatous testis cancer compared with findings from surgical exploration and histopathological studies of extirpated tissue. Samuelsson L, et al. **Br J Radiol** 1986 Feb;59(698):131–4

Ultrasound and CT in renal parenchymal malakoplakia: report of a case with previous xanthogranulomatous pyelonephritis. Shaw PJ, et al. **Br J Radiol** 1985 Feb; 58(686):175–8

A miserable child with an abdominal mass—and more. Sweeney LE, et al. **Br J Radiol** 1986 Jul;59(703):707–8

External hydrocephalus—diagnosis by ultrasound. Trounce JQ, et al. **Br J Radiol** 1985 May;58(689):415–7

An assessment of ultrasound mammography as an additional investigation for the diagnosis of breast disease. Walsh P, et al. **Br J Radiol** 1985 Feb;58(686):115–9

Endoluminal ultrasound in the assessment of local invasion in rectal cancer. Beynon J, et al. **Br J Surg** 1986 Jun; 73(6):474–7

Ultrasonographic detection of early and curable carcinoma of the gallbladder. Koga A, et al. **Br J Surg** 1985 Sep; 72(9):728–30

Intrarectal ultrasound and computed tomography in the pre- and postoperative assessment of patients with rectal cancer. Romano G, et al. **Br J Surg** 1985 Sep;72 Suppl:S117–9

Failure of Doppler ankle pressure to predict healing of conservative forefoot amputations. Welch GH, et al. **Br J Surg** 1985 Nov;72(11):888–91

Ultrasonic detection of urethral calculus. Gammelgaard J, et al. **Br J Urol** 1985 Oct;57(5):589–90

Indications for ultrasound in the evaluation of the pathological scrotum. Scott RF, et al. **Br J Urol** 1986 Apr; 58(2):178–82

Comparison of barium swallow and ultrasound in diagnosis of gastro-oesophageal reflux in children [letter] Carré IJ. **Br Med J [Clin Res]** 1985 Aug 31;291(6495):606–7

Localised intratesticular abscess complicating epididymo-orchitis: the use of scrotal ultrasonography in diagnosis and management. Desai KM, et al. **Br Med J [Clin Res]** 1986 May 24;292(6532):1361–2

Size of pancreas in diabetes mellitus: a study based on ultrasound. Fonseca V, et al. **Br Med J [Clin Res]** 1985 Nov 2;291(6504):1240–1

Radiographers and obstetric ultrasound [editorial] Meire HB. **Br Med J [Clin Res]** 1986 Jan 11;292(6513):77–8

Difference in fetal size in the first trimester [letter] Pedersen JF, et al. **Br Med J [Clin Res]** 1985 Nov 2;291(6504):1278

Ultrasound scanning in the detection of hepatic fibrosis and steatosis. Saverymuttu SH, et al. **Br Med J [Clin Res]** 1986 Jan 4;292(6512):13–5

Obstetric ultrasonography: wider role for radiographers? Witcombe JB, et al. **Br Med J [Clin Res]** 1986 Jan 11; 292(6513):113–5

Cranial ultrasound in the detection of postmeningitic complications in the neonates. Hung KL. **Brain Dev** 1986, 8(1):31–6

Imaging for anaesthetists: a review of the methods and anaesthetic implications of diagnostic imaging techniques. Weston G, et al. **Can Anaesth Soc J** 1985 Sep;32(5):552–61

Optic nerve hypoplasia: clinical and ultrasonographic study. Singh J, et al. **Can J Ophthalmol** 1985 Oct;20(6):205–10

Ascites: ultrasound guidance or blind paracentesis? Bard C, et al. **Can Med Assoc J** 1986 Aug 1;135(3):209–10

Diagnostic accuracy of ultrasonography for hepatocellular carcinoma. Tanaka S, et al. **Cancer** 1986 Jul 15;58(2):344–7

Primary hepatocellular carcinoma: clinical, ultrasonic, and pathological patterns and correlations. Shamasa SS, et al. **Cancer Detect Prev** 1986;9(3–4):227–36

Coronary vein aneurysm presenting as pancreatic pseudocyst. Greenberg B, et al. **Cardiovasc Intervent Radiol** 1985; 8(3):143–5

Non-invasive ultrasonic measurement of the elastic properties of the human abdominal aorta. Imura T, et al. **Cardiovasc Res** 1986 Mar;20(3):208–14

Fine needle aspiration biopsy of mediastinal and peripheral pulmonary masses guided by real-time sonography. Pedersen OM, et al. **Chest** 1986 Apr;89(4):504–8

Evaluation of cerebral blood flow changes by transfontanelle Doppler ultrasound in infantile hydrocephalus. Alvisi C, et al. **Childs Nerv Syst** 1985;1(5):244–7

Ultrasonic placental grading in high risk pregnancy. Zou L, et al. **Chin Med J [Engl]** 1985 Sep;98(9):627–32

Cardiovascular metabolic imaging: physiologic and biochemical dynamics in vivo. Bethesda, Maryland, September 16 to 18, 1984. **Circulation** 1985 Nov;72(5 Pt 2):IV1–171

Comparative accuracy of two-dimensional echocardiography and Doppler pressure half-time methods in assessing severity of mitral stenosis in patients with and without prior commissurotomy. Smith MD, et al. **Circulation** 1986 Jan;73(1):100–7

Sonographic picture of submembranous haematoma. Vesce F, et al. **Clin Exp Obstet Gynecol** 1985;12(3–4):90–2

Endoscopic ultrasonography. Takemoto T, et al. **Clin Gastroenterol** 1986 Apr;15(2):305–19

Ultrasonic diagnosis of fetal and neonatal hydrocephalus. Manco-Johnson ML, et al. **Clin Neurosurg** 1985;32:574–92 (39 ref.)

Hepatobiliary imaging in choledocholithiasis. A comparison with ultrasound. Colletti PM, et al. **Clin Nucl Med** 1986 Jul;11(7):482–6

Recording Doppler blood flow signals on magnetic tape. Smallwood RH. **Clin Phys Physiol Meas** 1985 Nov; 6(4):357–9

A laser Doppler technique for measuring distal blood-pressure: a comparison with conventional strain-gauge technique. Andersson S, et al. **Clin Physiol** 1986 Aug;6(4):329–35

Spectral analysis with digital presentation of C-W Doppler signals in the evaluation of carotid stenosis. Jungquist G, et al. **Clin Physiol** 1986 Aug;6(4):319–27

Fibre orientation in the left ventricle and its influence on local pressure-length loop analysis in cats. Matre K, et al. **Clin Physiol** 1986 Jun;6(3):293–301

Diagnosis and hydrostatic reduction of an intussusception under ultrasound guidance. Bolia AA. **Clin Radiol** 1985 Nov;36(6):655–7

The value of oblique scans in the ultrasonic examination of the abdominal aorta. Creagh-Barry M, et al. **Clin Radiol** 1986 May;37(3):239–41

Biliary tract dilatation without jaundice demonstrated by ultrasound. Gilbert FJ, et al. **Clin Radiol** 1985 Mar; 36(2):197–8

Cystic fibrosis: ultrasonographic findings in the pancreas and hepatobiliary system correlated with clinical data and pathology. Graham N, et al. **Clin Radiol** 1985 Mar; 36(2):199–203

Diagnosis of disease in renal allografts: correlation between ultrasound and histology. Griffin JF, et al. **Clin Radiol** 1986 Jan;37(1):59–62

Radiological appearances of hydatid disease of the liver [letter] Gupta RK, et al. **Clin Radiol** 1985 Jul;36(4):444

Ultrasound of the breast in the symptomatic and X-ray dense breast. Guyer PB, et al. **Clin Radiol** 1985 Jan;36(1):69–76

The value of ultrasonic scanning of the spleen in lymphoma. King DJ, et al. **Clin Radiol** 1985 Sep;36(5):473–4

Biliary drainage by ultrasound-guided puncture of the left hepatic duct. Laméris JS, et al. **Clin Radiol** 1985 May; 36(3):269–74

Ultrasound and computed tomography of the infant brain: a clinical comparison. Lipinski JK, et al. **Clin Radiol** 1986 Jul;37(4):365–9

Bile duct calibre: the discrepancy between ultrasonic and retrograde cholangiographic measurement in the post-cholecystectomy patient. O'Connor HJ, et al. **Clin Radiol** 1985 Sep;36(5):507–10

Case report: ultrasonographic demonstration of portal vein thrombosis in the acute abdomen. Shaw PJ, et al. **Clin Radiol** 1986 Jan;37(1):101–2

Serial ultrasound in amoebic liver abscess. Simjee AE, et al. **Clin Radiol** 1985 Jan;36(1):61–8

Computed tomography and ultrasonography of hepatoma. Teefey SA, et al. **Clin Radiol** 1986 Jul;37(4):339–45

Pulmonary sequestration: the value of ultrasound. Thind CR, et al. **Clin Radiol** 1985 Jul;36(4):437–9

Ultrasonographic studies in hepatic neoplasms: patterns and comparisons with radiological contrast studies. Wong KL, et al. **Clin Radiol** 1985 Sep;36(5):511–5

Sciatic neuropathy at the popliteal fossa: clinical, ultrasonographic and computed tomographic diagnosis. Esselinckx W, et al. **Clin Rheumatol** 1986 Jan;5(1):107–11

Ultrasonographic diagnosis of aorto-iliac thrombosis. Tithof PK, et al. **Cornell Vet** 1985 Oct;75(4):540–4

Ultrasound monitored hepatic cryosurgery: longevity study on an animal model. Gilbert JC, et al. **Cryobiology** 1986 Jun;23(3):277–85

Cerebrovascular ultrasound, Doppler and B-mode techniques. Zwiebel WJ. **Curr Probl Diagn Radiol** 1986 Jan–Feb;15(1):1–72 (80 ref.)

An ultrasonographic study of the organisation of sucking and swallowing by newborn infants. Weber F, et al. **Dev Med Child Neurol** 1986 Feb;28(1):19–24

Spontaneous thrombolysis of a large caval thrombus after insertion of an inferior vena cava filter: diagnosis and follow-up by ultrasound. Puylaert JB, et al. **Diagn Imag Clin Med** 1986;55(3):121–5

Uncommon sonographic appearance of an obstructed uterus. A case report. van Rooij WJ, et al. **Diagn Imag Clin Med** 1986;55(3):161–3

Transrectal ultrasonography for the assessment of invasion of rectal carcinoma. Konishi F, et al. **Dis Colon Rectum** 1985 Dec;28(12):889–94

Detection of unrecognized liver metastases from colorectal cancers by routine use of operative ultrasonography. Machi J, et al. **Dis Colon Rectum** 1986 Jun;29(6):405–9

Brain growth in sick newborn infants: a clinical and real-time ultrasound analysis. Battisti O, et al. **Early Hum Dev** 1986 Feb;13(1):13–20

Ultrasonic fetal ophthalmology. Birnholz JC. **Early Hum Dev** 1985 Nov;12(2):199–209

Ultrasound studies of human fetal behaviour. Prechtl HF. **Early Hum Dev** 1985 Nov;12(2):91–8

Neurodevelopmental outcome of periventricular haemorrhage and leukomalacia in infants 1250 g or less at birth. Szymonowicz W, et al. **Early Hum Dev** 1986 Jul; 14(1):1–7

Comparison of real-time cholecystosonography and oral cholecystography. el Kadaru AG, et al. **East Afr Med J** 1985 Jun;62(6):403–7

Occasional survey: ultrasound and C.T. scanning. Palmer PE. **East Afr Med J** 1986 Feb;63(2):140–4

Echographic findings and histological feature of the thyroid: a reverse relationship between the level of echo-amplitude and lymphocytic infiltration. Yoshida A, et al. **Endocrinol Jpn** 1985 Oct;32(5):681–90

Endocrine diagnosis by ultrasound. II. The ovary. Dumitriu L, et al. **Endocrinologie** 1985 Jul–Sep;23(3):137–50

The value of colonoscopy and ultrasonography in the diagnosis of chronic intussusception in childhood. Maurer G, et al. **Endoscopy** 1986 Jan;18(1):29–30

Diagnostics of extra-cranial carotid stenoses. Comparison of CW-Doppler sonography and intravenous digital subtraction angiography. Puzich R, et al. **Eur Arch Psychiatry Neurol Sci** 1986;235(4):210–3

Ultrasonically guided fine needle aspiration biopsy (UG-FNAB): a useful technique for the diagnosis of abdominal malignancies. Civardi G, et al.

Eur J Cancer Clin Oncol 1986 Feb;22(2):225–7
Ultrasonography in the staging of Hodgkin's disease: lymphangiographic correlation. Pines A, et al.
Eur J Cancer Clin Oncol 1986 Jan;22(1):29–31
Prenatal ultrasonic diagnosis and management of ectopia cordis. Kragt H, et al.
Eur J Obstet Gynecol Reprod Biol 1985 Sep;20(3):177–80
Missed abortion, and later spontaneous abortion, in pregnancies clinically normal at 7–12 wk. McFadyen IR.
Eur J Obstet Gynecol Reprod Biol 1985 Dec;20(6):381–4
Prenatal ultrasonic diagnosis of anterior abdominal wall defects. Meizner I, et al.
Eur J Obstet Gynecol Reprod Biol 1986 Aug;22(4):217–24
Differential diagnosis of sonographically detected tumours in the fetal cervical region. Rempen A, et al.
Eur J Obstet Gynecol Reprod Biol 1985 Aug;20(2):89–105
Pelvic kidney presenting as tumor praevia: report of a case diagnosed by ultrasouad. Samuel N, et al.
Eur J Obstet Gynecol Reprod Biol 1985 Nov;20(5):325–8
Severe intrauterine growth retardation; assessment of its origin from fetal arterial flow velocity waveforms. Wladimiroff JW, et al.
Eur J Obstet Gynecol Reprod Biol 1986 Jun;22(1–2):23–8
Non-resolution of pelvic sonographic abnormality after chemotherapy for persistent trophoblastic disease—a word of caution. Woo JS, et al.
Eur J Obstet Gynecol Reprod Biol 1986 Jul;22(3):153–6
Prenatal diagnosis of a pulmonary cyst by ultrasonography. Lebrun D, et al. **Eur J Pediatr** 1985 Nov;144(4):399–402
Cholelithiasis in sickle cell disease: a cholecystographic and ultrasonographic evaluation in Nigerians. Akamaguna AI, et al. **Eur J Radiol** 1985 Nov;5(4):271–2
Value of ultrasound in localizing the internal mammary vessels. Bruneton JN, et al. **Eur J Radiol** 1986 May; 6(2):142–4
Comparison of ultrasonographic and histological findings for multinodular lesions of the salivary glands. Bruneton JN, et al. **Eur J Radiol** 1985 Nov;5(4):295–6
Sonography of the tongue and floor of mouth. Part II: Neoplasms of the tongue. Frühwald F, et al.
Eur J Radiol 1986 May;6(2):108–12
Splenic abcess on ultrasonography. Iko BO.
Eur J Radiol 1986 May;6(2):116–20
Concomitant thyroid disease in hyperparathyroidism. Reasons for unsatisfactory ultrasonographical localization of parathyroid glands. Karstrup S, et al. **Eur J Radiol** 1986 May;6(2):149–52
Sonography of the tongue and floor of mouth. Part I: Anatomy. Neuhold A, et al. **Eur J Radiol** 1986 May; 6(2):103–7
Value of intravesical sonography in tumor classification of bladder carcinoma. Jaeger N, et al. **Eur Urol** 1986; 12(2):76–84
Sonography of the endometrium during conception and nonconception cycles of in vitro fertilization and embryo transfer. Fleischer AC, et al. **Fertil Steril** 1986 Sep; 46(3):442–7
Enlargement of hydrosalpinges during ovarian stimulation protocols for in vitro fertilization and embryo replacement. Hill GA, et al. **Fertil Steril** 1986 Jun;45(6):883–5
Correlation of serum estradiol levels and ultrasound monitoring to assess follicular maturation. Hull ME, et al. **Fertil Steril** 1986 Jul;46(1):42–5
The value of ultrasonographic endometrial measurement in the prediction of pregnancy following in vitro fertilization. Rabinowitz R, et al. **Fertil Steril** 1986 Jun;45(6):824–8
Menotropins and sonography [letter] Shalev J, et al.
Fertil Steril 1986 Jul;46(1):155–7
Arrest of embryo development by ultrasound coupling gels. Sheean LA, et al. **Fertil Steril** 1986 Apr;45(4):568–71
Clinical sonographic examination in renal polycystosis. Despotov T, et al. **Folia Med (Plovdiv)** 1985;27(3):34–6
Ultrasonographic study of gallbladder motility during total parenteral nutrition. Cano N, et al. **Gastroenterology** 1986 Aug;91(2):313–7
Ultrasonography and diffuse hepatic disease [letter] Giorgio A, et al. **Gastroenterology** 1986 Aug;91(2):524–5
Measurement of gastric emptying rate in humans by real-time ultrasound. Holt S, et al. **Gastroenterology** 1986 Apr; 90(4):918–23
Effect of graded physiologic doses of cholecystokinin on gallbladder contraction measured by ultrasonography. Determination of threshold, dose-response relationships and comparison with intraduodenal bilirubin output. Hopman WP, et al. **Gastroenterology** 1985 Dec; 89(6):1242–7
Biliary ascariasis: ultrasonography, endoscopic retrograde cholangiopancreatography, and biliary drainage. Kamath PS, et al. **Gastroenterology** 1986 Sep;91(3):730–2
Intrahepatic versus extrahepatic cholestasis. Discrimination with biliary scintigraphy combined with ultrasound. Lieberman DA, et al. **Gastroenterology** 1986 Mar; 90(3):734–43
Endosonographic evaluation of mural abnormalities of the upper gastrointestinal tract. Gordon SJ, et al.
Gastrointest Endosc 1986 Jun;32(3):193–8
Ultrasound in postoperative acalculous cholecystitis. Becker CD, et al. **Gastrointest Radiol** 1986;11(1):47–50
Ultrasonographic findings in acute acalculous cholecystitis. Beckman I, et al. **Gastrointest Radiol** 1985;10(4):387–9
Diagnostic value of ultrasound in duodenal stenosis. Brambs HJ, et al. **Gastrointest Radiol** 1986;11(2):135–8
Ultrasound in acute pancreatic trauma. Jeffrey RB, et al.
Gastrointest Radiol 1986;11(1):44–6
"Skip areas" in hepatic steatosis: a sonographic-angiographic study. Marchal G, et al. **Gastrointest Radiol** 1986; 11(2):151–7
Ultrasound detection of choledocholithiasis: prospective comparison with ERCP in the postcholecystectomy patient. O'Connor HJ, et al. **Gastrointest Radiol** 1986; 11(2):161–4
Clinical significance of focal echogenic liver lesions. Pen JH, et al. **Gastrointest Radiol** 1986;11(1):61–6
Fine-needle aspiration biopsy of bowel lesions under ultrasound guidance: indications and results. Solbiati L, et al. **Gastrointest Radiol** 1986;11(2):172–6
Ultrasound study of adenopathies within the hepatoduodenal ligament: the "rosebud" pattern.Weill FS, et al.
Gastrointest Radiol 1986;11(2):142–4
Ultrasonography as a routine examination before treatment of retinal detachment due to macular hole. Clemens S, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(3):226–9
Ultrasonic examination of the silicone-filled eye: theoretical and practical considerations. Shugar JK, et al.
Graefes Arch Clin Exp Ophthalmol 1986;224(4):361–7
Transcutaneous Doppler ultrasound measurement of blood flow [letter] Anderson MF. **Gut** 1986 Aug;27(8):991–2
Prediction of rebleeding from peptic ulcer experience with an endoscopic Doppler device. Beckly DE, et al. **Gut** 1986 Jan;27(1):96–9
Transcutaneous Doppler ultrasound measurement of superior mesenteric artery blood flow in man. Qamar MI, et al. **Gut** 1986 Jan;27(1):100–5
Ultrasound increases the prognostic value of the postcoital test. Hamilton CJ, et al. **Gynecol Obstet Invest** 1986; 21(2):80–8
Growth of the fetal kidney assessed by real-time ultrasound. Sato A, et al. **Gynecol Obstet Invest** 1985;20(1):1–5
Laser Doppler flowmetry for measurement of femoral head blood flow. Experimental investigation and clinical application. Swiontkowski M, et al. **Helv Chir Acta** 1986 Jun;53(1–2):55–9
Computed tomographic and sonographic characterizations of central nervous system masses. Madrazo BL, et al.
Henry Ford Hosp Med J 1985;33(2–3):69–73
The incidence of calculi in focal nonshadowing echogenicity in the gallbladder. Sandler MA, et al.
Henry Ford Hosp Med J 1985;33(2–3):112–5
Ultrasonic evaluation of scrotal swellings. Misaki T, et al. **Hinyokika Kiyo** 1985 Jul;31(7):1151–8
A stochastic model of the backscattered Doppler ultrasound from blood. Mo LY, et al. **IEEE Trans Biomed Eng** 1986 Jan;33(1):20–7
Sonographic diagnosis of fractured kidney. Prasadarao PR, et al. **IMJ** 1986 Mar;169(3):167–8
Ultrasonic measurements of ocular components in angle closure glaucoma. Bhatia IM, et al.
Indian J Ophthalmol 1983;31 Suppl:823–6
Ultrasonography in cystic lesions of the orbit. Bhatia IM, et al. **Indian J Ophthalmol** 1983;31 Suppl:975–7
Ultrasonographic evaluation of abdominal masses in children. Bhatnagar V, et al. **Indian J Pediatr** 1985 Sep–Oct; 52(418):539–43
Splenichilar lymphatic cyst. Pai TS, et al.
Indian J Pediatr 1985 Mar–Apr;52(415):213–5
Real time ultrasonography in the evaluation of hydrocephalus and associated abnormalities. Gupta RK, et al.
Indian Pediatr 1986 Apr;23(4):249–54
Identification of peripheral vascular disease with real-time ultrasonic imaging. Correa MC, et al. **Int Angiol** 1985 Apr–Jun;4(2):255–61
Ultrasonic imaging in the diagnosis of extracranial carotid artery disease. Reneman RS, et al. **Int Angiol** 1985 Jan–Mar; 4(1):3–8
The epidemic of investigations. Palmer PE.
Int J Epidemiol 1985 Sep;14(3):359–62
Serum estradiols versus pelvic sonography in monitoring HMG therapy. Check JH, et al. **Int J Fertil** 1985;30(2):61–3
A case of single umbilical artery with various fetal anomalies: correlations between prenatal ultrasonographic diagnosis and autopsy. Hata T, et al. **Int J Gynaecol Obstet** 1986 Feb;24(1):75–80
Ultrasonic and endocrinologic investigation of ovarian follicle and free fluid in cul-de-sac for monitoring follicular development and ovulation. Sengoku K, et al.
Int J Gynaecol Obstet 1986 Feb;24(1):21–5
Prenatal diagnosis of placental hemangioma—clinical implication: a case report. Shalev E, et al.
Int J Gynaecol Obstet 1984 Aug;22(4):291–3
Ultrasonic visualization of NORPLANT subdermal contraceptive devices. Thomsen RJ, et al.
Int J Gynaecol Obstet 1985 Jun;23(3):223–7
The significance of increased echogenicity in the detection and differentiation of pediatric disease. Dietrich RB, et al.
Int J Pediatr Nephrol 1985 Jul–Sep;6(3):215–20
Management of an infant with prenatal ultrasound diagnosis of upper airway obstruction. Holinger LD, et al.
Int J Pediatr Otorhinolaryngol 1985 Dec;10(3):263–70
Ultrasonographic diagnosis of acute appendicitis in surgical indication. Takada T, et al. **Int Surg** 1986 Jan–Mar; 71(1):9–13
Ultrasonic echoes registered from erythrocytes. Alanen A, et al. **Invest Radiol** 1985 Aug;20(5):521–4
FL/AC ratio: poor predictor of intrauterine growth retardation. Benson CB, et al. **Invest Radiol** 1985 Oct; 20(7):727–30
Postoperative parathyroid high-frequency sonography: evaluation of persistent or recurrent hyperparathyroidism [letter] Doppman JL, et al. **Invest Radiol** 1986 Feb; 21(2):186–7
The sonographic fat/muscle ratio. Fried AM, et al.
Invest Radiol 1986 Jan;21(1):71–5
Sonography of the sole of the foot. Evidence for loss of foot pad thickness in diabetes and its relationship to ulceration of the foot. Gooding GA, et al. **Invest Radiol** 1986 Jan; 21(1):45–8
Sonographic evaluation of the normal response of subclavian veins to respiratory maneuvers. Hightower DR, et al.
Invest Radiol 1985 Aug;20(5):517–20
The spectrum of sonographic findings of fibroadenoma of the breast. Jackson VP, et al. **Invest Radiol** 1986 Jan; 21(1):34–40
Sonography of the kidneys in hemolytic uremic syndrome. Kenney PJ, et al. **Invest Radiol** 1986 Jul;21(7):547–50
The ultrasonic detection of soft tissue foreign bodies. Little CM, et al. **Invest Radiol** 1986 Mar;21(3):275–7
Right upper quadrant pain and tenderness in a young man [clinical conference] Middleton WD, et al.
Invest Radiol 1986 Aug;21(8):670–2
The sonographic evaluation of hydronephrosis with progressive ureteric obstruction. An experimental model. Paling MR, et al. **Invest Radiol** 1985 Sep;20(6):613–6
High resolution sonography of the menisci of the knee. Selby B, et al. **Invest Radiol** 1986 Apr;21(4):332–5
Unsuspected fetal abnormality. Fetal cystic hygroma associated with Turner's syndrome. Zagoria RJ, et al.
Invest Radiol 1986 Mar;21(3):282–4
Real-time carotid ultrasonography and wave-speed oculoplethysmography: a useful combination in the screening for carotid occlusive disease in ocular embolism. Brady HR, et al. **Ir J Med Sci** 1986 Feb;155(2):45–50
Ultrasonic features of hepatic abscesses. Manor A.
Isr J Med Sci 1986 Feb;22(2):85–90
Prenatal ultrasonic diagnosis of fetal thoracic and intrathoracic abnormalities. Meizner I, et al.
Isr J Med Sci 1986 May;22(5):350–4
Sonography of periventricular leukomalacia. Strauss S, et al. **Isr J Med Sci** 1985 Aug;21(8):683–7
Ultrasonography in the investigation of loose hip prostheses. Baratelli M, et al. **Ital J Orthop Traumatol** 1986 Mar; 12(1):77–83
Ultrasonography in the early diagnosis of congenital dysplasia of the hip. Motta F, et al.
Ital J Orthop Traumatol 1986 Mar;12(1):117–24
Ultrasonography in the diagnosis of soft tissue tumours. Ulivi M, et al. **Ital J Orthop Traumatol** 1986 Mar;12(1):109–15
Doppler velocimetry: first choice diagnostic procedure in angiology. Fattori A, et al. **Ital J Surg Sci** 1986;16(1):41–5
Tests of the accuracy of a data reduction method for determination of acoustic backscatter coefficients. Insana MF, et al. **J Acoust Soc Am** 1986 May;79(5):1230–6
The scattering of ultrasound by cylinders: implications for diffraction tomography. Robinson BS, et al.
J Acoust Soc Am 1986 Jul;80(1):40–9
Correlation between A-mode ultrasound and radiography in the diagnosis of maxillary sinusitis. Rohr AS, et al.
J Allergy Clin Immunol 1986 Jul;78(1 Pt 1):58–61
Blinded comparison of maxillary sinus radiography and ultrasound for diagnosis of sinusitis. Shapiro GG, et al.
J Allergy Clin Immunol 1986 Jan;77(1 Pt 1):59–64
Correlation of continuous wave Doppler velocities with cardiac catheterization gradients: an experimental model of aortic stenosis. Smith MD, et al. **J Am Coll Cardiol** 1985 Dec;6(6):1306–14
Quantification of aortic regurgitation utilizing continuous wave Doppler ultrasound. Teague SM, et al.
J Am Coll Cardiol 1986 Sep;8(3):592–9
Echocardiographic evaluation of pericardial effusion in hypothyroidism: incidence, biochemical and therapeutic correlations. Roy VC, et al. **J Assoc Physicians India** 1986 Feb;34(2):111–3
Isodense liver metastasis on CT: importance of "the hump sign". Rigaux A, et al. **J Belge Radiol** 1985;68(6):425–6
Poland's syndrome. Including ultrasonography of the pectoralis muscle as a new diagnostic modality. Risseeuw GA, et al. **J Belge Radiol** 1985;68(3):231–6
Small angiomyolipoma's of the kidney. Ultrasound evaluation. Van Roost W, et al. **J Belge Radiol** 1985; 68(2):115–7
On-line evaluation of ultrasonic integrated backscatter. Landini L, et al. **J Biomed Eng** 1985 Oct;7(4):301–4
Ultrasonographic evaluation of the rotator cuff and biceps tendon [letter] Hall F. **J Bone Joint Surg [Am]** 1986 Jul; 68(6):950–1
Ultrasonographic evaluation of the rotator cuff and biceps tendon. Middleton WD, et al. **J Bone Joint Surg [Am]** 1986 Mar;68(3):440–50
Ultrasonic features of aneurysms of splanchnic arteries. Bret PM, et al. **J Can Assoc Radiol** 1985 Sep;36(3):226–9
The prenatal ultrasonographic features of omphalocele: a study of 10 patients. Brown BS. **J Can Assoc Radiol** 1985 Dec;36(4):312–6
A comparison of angiography, intravenous digital subtraction angiography and dupiex ultrasound in the diagnosis of carotid artery atherosclerosis. D'Alotto C, et al.
J Can Assoc Radiol 1985 Sep;36(3):200–8

Antenatal ultrasound diagnosis of cystic adenomatoid malformation of the lung. Fitzgerald EJ, et al. **J Can Assoc Radiol** 1986 Mar;37(1):48–9

Antenatal sonographic diagnosis of adrenal neuroblastoma. Fowlie F, et al. **J Can Assoc Radiol** 1986 Mar;37(1):50–1

Ultrasound diagnosis of a benign calcified testicular mass: report of a case. Lipinski JK, et al. **J Can Assoc Radiol** 1986 Jun;37(2):112–3

Septic arthritis of the hip joint: sonographic and CT findings. Lopez M, et al. **J Can Assoc Radiol** 1985 Dec;36(4):322–4

Ultrasound findings in ectopic gestation. Simons ME, et al. **J Can Assoc Radiol** 1986 Mar;37(1):9–12

Ultrasonography in the diagnosis of thyroid lymphoma. Wallace JH. **J Can Assoc Radiol** 1985 Dec;36(4):317–9

Placental chorioangioma, an unusual cause of polyhydramnios: antenatal diagnosis. Zalev AH. **J Can Assoc Radiol** 1986 Mar;37(1):60–1

Errors in the differential diagnosis of incompetence of the popliteal vein and short saphenous vein by Doppler ultrasound. Hobbs JT. **J Cardiovasc Surg (Torino)** 1986 Mar–Apr;27(2):169–74

The echogenic echinococcal cyst. A diagnostic trap. Cockeram AW, et al. **J Clin Gastroenterol** 1986 Feb; 8(1):100–2

Measuring liver span. Bedside examination versus ultrasound and scintiscan. Skrainka B, et al. **J Clin Gastroenterol** 1986 Jun;8(3 Pt 1):267–70

Ultrasound demonstration of bile duct thickening in primary sclerosing cholangitis. Vria RF, et al. **J Clin Gastroenterol** 1986 Apr;8(2):213–5

Correlative study of the computed tomographic, ultrasonographic, and pathological characteristics of cavernous versus capillary hemangiomas of the orbit. Sklar EL, et al. **J Clin Neuro Ophthalmol** 1986 Mar;6(1):14–21

Mesenchymal hamartoma of the liver: computed tomography and ultrasonography. Giyanani VL, et al. **J Comput Assist Tomogr** 1986 Jan–Feb;10(1):51–4

MR imaging of the breast: comparison with mammography and ultrasound. Heywang SH, et al. **J Comput Assist Tomogr** 1986 Jul–Aug;10(4):615–20

Focal fatty infiltration of the liver mimicking a tumor: sonographic and CT features. Kawashima A, et al. **J Comput Assist Tomogr** 1986 Mar–Apr;10(2):329–31

Hepatic plasmocytoma: sonographic and CT findings. Mathieu D, et al. **J Comput Assist Tomogr** 1986 Jan–Feb; 10(1):144–5

Computed tomography and ultrasonography of carcinoma in duplication cysts. Rice CA, et al. **J Comput Assist Tomogr** 1986 Mar–Apr;10(2):233–5

Radiologic demonstration of Caroli's disease: a case report. Takaki Y, et al. **J Comput Tomogr** 1986 Apr;10(2):153–6

Ultrasonographic visualization of the fetal eye. de Elejalde MM, et al. **J Craniofac Genet Dev Biol** 1985;5(4):319–26

Interstitial pregnancy: pitfalls in ultrasound interpretation. Zweig S. **J Fam Pract** 1986 Jul;23(1):69–70

Noninvasive cerebrovascular screening for carotid extracranial cerebrovascular disease in the stroke-prone patient. Green J, et al. **J Fla Med Assoc** 1984 Jun; 71(6):404–7

Ultrasonic detection of a cumulus oophorus in patients undergoing in vitro fertilization. Cacciatore B, et al. **J In Vitro Fert Embryo Transfer** 1985 Dec;2(4):224–8

Irrigraphy (impedance plethysmography), segmental blood pressure and Doppler velocity metering in the assessment of arterial occlusive disease. Segard M, et al. **J Mal Vasc** 1985;10(3):227–33

Diagnosis of subdural hemorrhage in utero. Case report. Hanigan WC, et al. **J Neurosurg** 1985 Dec;63(6):977–9

Evaluation of cerebral AVM's using transcranial Doppler ultrasound. Lindegaard KF, et al. **J Neurosurg** 1986 Sep; 65(3):335–44

Assessment of intracranial hemodynamics in carotid artery disease by transcranial Doppler ultrasound. Lindegaard KF, et al. **J Neurosurg** 1985 Dec;63(6):890–8

Advantage of indium–111 leukocytes over ultrasound in imaging an infected renal cyst. Fortner A, et al. **J Nucl Med** 1986 Jul;27(7):1147–9

Determination of the volume of the thyroid gland by a high resolutional ultrasonic scanner. Yokoyama N, et al. **J Nucl Med** 1986 Sep;27(9):1475–9

A comparative ultrasonic–histologic study in breast cancer tissue characterization. Sarnelli R, et al. **J Nucl Med Allied Sci** 1985 Jul–Sep;29(3):253–9

The use of real–time ultrasound in a child with spinal dysraphism. Harolds JA, et al. **J Okla State Med Assoc** 1986 Mar;79(3):153–4

Complexities of intraventricular abnormalities. Pober BR, et al. **J Pediatr** 1986 Apr;108(4):545–51

Continuous wave Doppler ultrasound in the detection of abnormal arterial flow in patients with unusual defects. Wheller JJ, et al. **J Pediatr** 1985 Oct;107(4):569–72

Gallbladder wall thickening in acute hepatitis. Levine J, et al. **J Pediatr Gastroenterol Nutr** 1986 Jan;5(1):147–9

Correlation of anatomy and ultrasonographic images in the infant hip: an experimental cadaver study. Nichols GW, et al. **J Pediatr Orthop** 1986 Jul–Aug;6(4):410–5

Measurement of femoral torsion: comparison of standard roentgenographic techniques with ultrasound. Phillips HO, et al. **J Pediatr Orthop** 1985 Sep–Oct;5(5):546–9

Fetal cystic adenomatoid malformation: prenatal diagnosis and natural history. Adzick NS, et al. **J Pediatr Surg** 1985 Oct;20(5):483–8

Antenatal ultrasonography: the experience in a high risk perinatal center. Grisoni ER, et al. **J Pediatr Surg** 1986 Apr;21(4):358–61

Portal vein ultrasonography in the early diagnosis of necrotizing enterocolitis. Lindley S, et al. **J Pediatr Surg** 1986 Jun;21(6):530–2

Intraoperative ultrasonography of the pancreas in children. Telander RL, et al. **J Pediatr Surg** 1986 Mar;21(3):262–6

Ultrasound contributions to the management of the severely isoimmunized fetus. Buscaglia M, et al. **J Perinat Med** 1986; 14(1):51–8

The clinical value of measurements of the symphysis–fundus distance and ultrasonic measurements of the biparietal diameter in the diagnosis of intrauterine growth retardation. Cnattingius S, et al. **J Perinat Med** 1985;13(5):227–32

Hydrops fetalis [letter] Hackelöer BJ. **J Perinat Med** 1986; 14(2):142

Ultrasonic measurement of the growth of fetal limb bones in normal pregnancy. Issel EP. **J Perinat Med** 1985; 13(6):305–13

Accuracy of an average ultrasonic laboratory in measurements of fetal biparietal diameter, head circumference and abdominal circumference. Nicolini U, et al. **J Perinat Med** 1986;14(2):101–7

Cranial ultrasonography in the evaluation of neonatal intracranial hemorrhage and its complications. Shackelford GD, et al. **J Perinat Med** 1985;13(6):293–304

A comparison of oral cholecystography and real time ultrasonography in the diagnosis of non–acute disease of the gall bladder. Evans SD, et al. **J R Nav Med Serv** 1986 Summer;72(2):84–6

Scrotal ultrasound. Desai KM, et al. **J R Soc Med** 1985 Sep; 78(9):710–4

Chronic measurement, using a Doppler probe, of uterine artery flow in the gravid guinea–pig. Weiner CP, et al. **J Reprod Fertil** 1986 May;77(1):247–56

Sonographic detection of fetal hydrops. A report of two cases. Barss VA, et al. **J Reprod Med** 1985 Nov; 30(11):893–4

Ultrasonographic diagnosis of asymptomatic cholelithiasis in pregnancy. Chesson RR, et al. **J Reprod Med** 1985 Dec; 30(12):920–2

The vanishing sac syndrome. Ultrasound evidence of pregnancy failure in multiple gestations, induced and spontaneous. Gindoff PR, et al. **J Reprod Med** 1986 May; 31(5):322–5

Ratio of gestational sac volume to crown–rump length in early pregnancy. Goldstein SR, et al. **J Reprod Med** 1986 May;31(5):320–1

Antepartum ultrasonographic evaluation and management of placental chorioangioma. A case report. Grundy HO, et al. **J Reprod Med** 1986 Jun;31(6):520–2

Impact of beta–subunit human chorionic gonadotropin and ultrasonography in the management of suspected ectopic pregnancy. Hull ME, et al. **J Reprod Med** 1986 Jun; 31(6):478–82

Acute polyhydramnios and a fetal ovarian cyst. Ott WJ. **J Reprod Med** 1985 Nov;30(11):887–9

Impact of fetal testing on maternal anxiety. Reading AE, et al. **J Reprod Med** 1985 Dec;30(12):907–10

Ultrasonographic diagnosis of unruptured interstitial pregnancy. A case report. Russo JF, et al. **J Reprod Med** 1986 May;31(5):336–8

Hyperparathyroidism in pregnancy with sonographic documentation of a parathyroid adenoma. A case report. Sauer M, et al. **J Reprod Med** 1985 Aug;30(8):615–7

Controlled ultrasonographic measurements of cross–sectional areas of the quadriceps muscle submitted to dynamic strength training. De Carvalho A, et al. **J Sports Med Phys Fitness** 1985 Dec;25(4):251–4

Cholesonographic characteristics of cystic duct metastasis causing acute acalculous cholecystitis: case report. Andry G, et al. **J Surg Oncol** 1986 Mar;31(3):178–81

Testicular neoplasm diagnosed by ultrasound. Senay BA, et al. **J Surg Oncol** 1986 Jun;32(2):110–2

Selection and nonoperative management of pediatric blunt trauma patients: the role of quantitative crystalloid resuscitation and abdominal ultrasonography. Hoelzer DJ, et al. **J Trauma** 1986 Jan;26(1):57–62

Grey scale ultrasonography of neonatal abdominal masses. Iko BO, et al. **J Trop Pediatr** 1985 Aug;31(4):191–6

Proceedings of the 30th annual meeting of the American Institute of Ultrasound in Medicine and the 14th annual meeting of the Society of Diagnostic Medical Sonographers. October 8–11, 1985, Dallas, Texas. Abstracts. **J Ultrasound Med** 1985 Oct;4(10 Suppl):1–198

Proceedings of the 27th annual meeting of the American Institute of Ultrasound in Medicine and the 11th annual meeting of the Society of Diagnostic Medical Sonographers. October 4–8, 1982, Denver, Colorado. Abstracts. **J Ultrasound Med** 1982 Sep;1(7 Suppl):1–214

Proceedings of the 29th annual meeting of the American Institute of Ultrasound in Medicine and the 13th annual meeting of the Society of Diagnostic Medical Sonographers. September 16–19, 1984, Kansas City, Missouri. Abstracts. **J Ultrasound Med** 1984 Sep;3(9 Suppl):1–231

The role of ultrasonography in the detection of extrapulmonary tuberculosis in patients with acquired immunodeficiency syndrome (AIDS). Abiri MM, et al. **J Ultrasound Med** 1985 Sep;4(9):471–3

Sonographic demonstration of malabsorption in neonates. Avni EF, et al. **J Ultrasound Med** 1986 Feb;5(2):85–7

Sonographic detection of fetal goiter, an unusual cause of hydramnios. Barone CM, et al. **J Ultrasound Med** 1985 Nov;4(11):625–7

Prenatal sonographic diagnosis of congenital hemivertebra. Benacerraf BR, et al. **J Ultrasound Med** 1986 May; 5(5):257–9

Femur length/abdominal circumference ratio. Poor predictor of macrosomic fetuses in diabetic mothers. Benson CB, et al. **J Ultrasound Med** 1986 Mar;5(3):141–4

Focal areas of decreased echogenicity in the liver at the porta hepatis. Berland LL. **J Ultrasound Med** 1986 Mar; 5(3):157–9

Sonographic appearance of pseudomembranous colitis. Bolondi L, et al. **J Ultrasound Med** 1985 Sep;4(9):489–92

Leiomyoma of the bladder: sonographic and urographic findings. Bornstein I, et al. **J Ultrasound Med** 1986 Jul; 5(7):407–8

Sonographic demonstration of post–abortion intrauterine osseous tissue. Bourgouin P, et al. **J Ultrasound Med** 1985 Sep;4(9):507–9

The sonographic appearance of the pancreatic duct following transampullary septectomy. Braver JM, et al. **J Ultrasound Med** 1986 Aug;5(8):459–60

Antenatal sonographic findings in trisomy 18. Bundy AL, et al. **J Ultrasound Med** 1986 Jul;5(7):361–4

Sonographic diagnosis of a perirenal transplant bowel hernia. Burks DD, et al. **J Ultrasound Med** 1985 Dec;4(12):677–9

Sonographic evaluation of cerebral cortical mantle thickness in the fetus and neonate with hydrocephalus. Callen PW, et al. **J Ultrasound Med** 1986 May;5(5):251–5

The effect of ventricular dilatation upon biometry of the fetal head. Callen PW, et al. **J Ultrasound Med** 1986 Jan; 5(1):17–9

Use of the femur length to estimate fetal weight in premature infants: preliminary results. Campbell WA, et al. **J Ultrasound Med** 1985 Nov;4(11):583–90

Sonographic appearance of pelvic extramedullary hematopoiesis. Campbell WE Jr, et al. **J Ultrasound Med** 1986 Feb;5(2):103–4

Simple tailored microcomputer system for the obstetrical ultrasound laboratory. Carrasco CR, et al. **J Ultrasound Med** 1986 Jan;5(1):21–3

Antenatal measurement of fetal umbilical venous flow by pulsed Doppler and B–mode ultrasonography. Chen HY, et al. **J Ultrasound Med** 1986 Jun;5(6):319–21

Antenatal diagnosis of frontal cephalocele in a fetus with atelosteogenesis. Chervenak FA, et al. **J Ultrasound Med** 1986 Feb;5(2):111–3

Generalized testicular hyperechogenicity in acute testicular torsion. Chinn DH, et al. **J Ultrasound Med** 1985 Sep; 4(9):495–6

Prenatal and postnatal sonographic delineation of gastrointestinal abnormalities in a case of the VATER syndrome. Claiborne AK, et al. **J Ultrasound Med** 1986 Jan;5(1):45–7

Normal fetal adrenal gland location [letter] Co CS, et al. **J Ultrasound Med** 1986 Feb;5(2):117–8

The antenatal diagnosis of diaphragmatic anomalies. Comstock CH. **J Ultrasound Med** 1986 Jul;5(7):391–6

Agenesis of the corpus callosum in the fetus: its evolution and significance. Comstock CH, et al. **J Ultrasound Med** 1985 Nov;4(11):613–6

Predictive value of ultrasonography in the screening of non–ascitic cirrhotic patients with large varices. Cottone M, et al. **J Ultrasound Med** 1986 Apr;5(4):189–92

Sonography of cholesterol in the biliary system. Cover KL, et al. **J Ultrasound Med** 1985 Dec;4(12):647–53

Antenatal ultrasound findings in fetal triploidy syndrome. Crane JP, et al. **J Ultrasound Med** 1985 Oct;4(10):519–24

Inspissated bile in a neonate with cystic fibrosis. Davies C, et al. **J Ultrasound Med** 1986 Jun;5(6):335–7

Fluid in the female pelvis: cyclic patterns. Davis JA, et al. **J Ultrasound Med** 1986 Feb;5(2):75–9

The sonographic appearance of duodenal lesions. Derchi LE, et al. **J Ultrasound Med** 1986 May;5(5):269–73

Sonographic appearance of fecal masses. Derchi LE, et al. **J Ultrasound Med** 1985 Nov;4(11):573–5

Pyocele of the scrotum: sonographic demonstration of fluid–fluid level and a gas–forming component. Di Donna A, et al. **J Ultrasound Med** 1986 Feb;5(2):99–100

Sonography of intestinal lymphangiectasia. Dorne HL, et al. **J Ultrasound Med** 1986 Jan;5(1):13–6

Sonographic demonstration of lumbar disc herniation. Ebner F, et al. **J Ultrasound Med** 1986 Apr;5(4):193–6

Prenatal sonographic diagnosis of triploidy. Edwards MT, et al. **J Ultrasound Med** 1986 May;5(5):279–81

Serial echo–Doppler measurements of human fetal abdominal aortic blood flow. Eldridge MW, et al. **J Ultrasound Med** 1985 Sep;4(9):453–8

Visualization of the fetal genitalia by ultrasonography: a review of the literature and analysis of its accuracy and ethical implications. Elejalde BR, et al. **J Ultrasound Med** 1985 Dec;4(12):633–9 (19 ref.)

Pedunculated hepatic hemangioma: an unusual cause for anteriorly displaced retroperitoneal fat. Ellis JV, et al. **J Ultrasound Med** 1985 Nov;4(11):623–4

Prenatal ultrasound diagnosis of choledochal cyst. Elrad H, et al. **J Ultrasound Med** 1985 Oct;4(10):553–5

Cysts of the choroid plexus in neonates: documentation and review of the literature. Fakhry J, et al. **J Ultrasound Med** 1985 Oct;4(10):561–3

Sonographic depiction of normal and abnormal endometrium with histopathologic correlation. Fleischer AC, et al. J Ultrasound Med 1986 Aug;5(8):445–52
An easily made ultrasound biopsy phantom. Fredfeldt KE. J Ultrasound Med 1986 May;5(5):295–7
A teaching file program for use in an ultrasound department. Garra BS, et al. J Ultrasound Med 1986 Jun;5(6):313–7
Varied sonographic manifestations of cystitis. Gooding GA. J Ultrasound Med 1986 Feb;5(2):61–3
Ultrasonography in the jaundiced infant: a new approach. Green D, et al. J Ultrasound Med 1986 Jun;5(6):323–9
Sonographic visualization of the normal postmenopausal ovary. Hall DA, et al. J Ultrasound Med 1986 Jan;5(1):9–11
Sonographic diagnosis of clubfoot in utero. Hashimoto BE, et al. J Ultrasound Med 1986 Feb;5(2):81–3
Sonographic detection of fetal intraperitoneal fluid. Hashimoto BE, et al. J Ultrasound Med 1986 Apr; 5(4):203–4
Fetal pseudoascites: further anatomic observations. Hashimoto BE, et al. J Ultrasound Med 1986 Mar; 5(3):151–2
Sonography of pseudomyxoma peritonei. Hayashi N, et al. J Ultrasound Med 1986 Jul;5(7):401–3
Sonography of an intratesticular lipoma. Hertzberg BS, et al. J Ultrasound Med 1985 Nov;4(11):619–21
Accuracy of dynamic ultrasonography in the diagnosis of malignant liver lesions. Holm J, et al. J Ultrasound Med 1986 Jan;5(1):1–4
Diagnostic criteria of hydatid disease on hepatic sonography. Hussain S. J Ultrasound Med 1985 Nov;4(11):603–7
Prenatal sonographic visualization of the inner ear. Isaacson G, et al. J Ultrasound Med 1986 Jul;5(7):409–10
Sonographic diagnosis of adult hypertrophic pyloric stenosis. Jackson VP, et al. J Ultrasound Med 1985 Sep;4(9):505–6
A simple reporting system for obstetrical ultrasonography. Jeanty P. J Ultrasound Med 1985 Nov;4(11):591–3
In utero sonographic detection of hand and foot deformities. Jeanty P, et al. J Ultrasound Med 1985 Nov;4(11):595–601
Sonography of traumatic rupture of the bladder: "bladder within a bladder" appearance of extraperitoneal extravasation. Kauzlaric D, et al. J Ultrasound Med 1986 Feb;5(2):97–8
Parapelvic cyst vs. hydronephrosis on coronal sonography [letter] Kazam E. J Ultrasound Med 1986 Jun;5(6):355–6
Sonographic delineation of the neonatal acetabular labrum. Keller MS, et al. J Ultrasound Med 1985 Sep;4(9):501–2
Adenomyomatosis of the gallbladder: a pictorial exhibit. Kidney M, et al. J Ultrasound Med 1986 Jun;5(6):331–3
In utero analysis of heterozygous achondroplasia: variable time of onset as detected by femur length measurements. Kurtz AB, et al. J Ultrasound Med 1986 Mar;5(3):137–40
Sonographic detection of drainage catheter debris. LaBerge JM, et al. J Ultrasound Med 1985 Nov;4(11):629–30
Arterioportal fistula demonstrated by pulsed Doppler ultrasonography. Lafortune M, et al. J Ultrasound Med 1986 Feb;5(2):105–6
The antenatal sonographic visualization of cloacal dysgenesis. Lande IM, et al. J Ultrasound Med 1986 May;5(5):275–8
Sonographic demonstration of prostatic abscess. Lee F Jr, et al. J Ultrasound Med 1986 Feb;5(2):101–2
Sonographic diagnosis of partial Achilles tendon rupture and healing. Leekam RN, et al. J Ultrasound Med 1986 Feb; 5(2):115–6
Enlarged iliopsoas bursa simulating neoplasm on sonographic examination. Leekam RN, et al. J Ultrasound Med 1985 Sep;4(9):493–4
Fetal hydrops secondary to a paratracheal hemangiomatous malformation. Lenke RR, et al. J Ultrasound Med 1986 Apr;5(4):223–5
Standard deviation vs. standard error [letter] Leonidas JC. J Ultrasound Med 1986 May;5(5):294
Antepartum obstetrical ultrasound examination guidelines [editorial] Leopold GR. J Ultrasound Med 1986 May; 5(5):241–2
Prolapsing Chiari malformation in tricuspid regurgitation: a moving filling defect in the inferior vena cava. Lewandowski B, et al. J Ultrasound Med 1985 Dec; 4(12):655–8
Fractional spine length: a new parameter for assessing fetal growth. Li DF, et al. J Ultrasound Med 1986 Jul; 5(7):379–83
Pseudo perisplenic "fluid collections": a clue to normal liver and spleen echogenic texture. Li DK, et al. J Ultrasound Med 1986 Jul;5(7):397–400
Adrenal hypertrophy: possible pitfall in the sonographic diagnosis of renal agenesis. McGahan JP, et al. J Ultrasound Med 1986 May;5(5):265–8
High-resolution real-time sonography of the adrenal glands: a routine examination? Marchal G, et al. J Ultrasound Med 1986 Feb;5(2):65–8
Sonographic detection of fetal extrathoracic pulmonary sequestration. Mariona F, et al. J Ultrasound Med 1986 May;5(5):283–5
The subplacental complex: further sonographic observations. Marx M, et al. J Ultrasound Med 1985 Sep;4(9):459–61
Sonographic findings in mediastinal embryonal carcinoma. Marx MV, et al. J Ultrasound Med 1986 Jan;5(1):41–3
Abruptio placentae: apparent thickening of the placenta caused by hyperechoic retroplacental clot. Mintz MC, et al. J Ultrasound Med 1986 Jul;5(7):411–3
Prenatal sonographic diagnosis of bladder extrophy. Mirk P, et al. J Ultrasound Med 1986 May;5(5):291–3
Aneurysmal bone cyst presenting as a pelvic mass on sonographic examination. Mukuno DH, et al. J Ultrasound Med 1986 Apr;5(4):215–6
Sonographic detection of small intestinal subserosal lymphofollicular hyperplasia. Murayama S, et al. J Ultrasound Med 1986 Apr;5(4):217–9
Sonographic diagnosis of bicameral gallbladders: a report of three cases. Murayama S, et al. J Ultrasound Med 1985 Oct;4(10):539–43
New observations in the sonographic evaluation of intrauterine contraceptive devices. Najarian KE, et al. J Ultrasound Med 1986 Apr;5(4):205–10
Cholangiocarcinoma in pregnancy: the contributions of ultrasound-guided interventional techniques. Nakamoto SK, et al. J Ultrasound Med 1985 Oct;4(10):557–9
The design and implementation of a computer-based ultrasound data system. Ott WJ. J Ultrasound Med 1986 Jan;5(1):25–32
Sonography of colonic diverticulitis. Parulekar SG. J Ultrasound Med 1985 Dec;4(12):659–66
Congenital uterine anomalies and associated pregnancies: findings and pitfalls of sonographic diagnosis. Pennes DR, et al. J Ultrasound Med 1985 Oct;4(10):531–8
Ventricular size in newborn infants. Perry RN, et al. J Ultrasound Med 1985 Sep;4(9):475–7
Sonographic features of bile plug syndrome. Pfeiffer WR, et al. J Ultrasound Med 1986 Mar;5(3):161–3
Sonographic diagnosis of thrombosis of the superior mesenteric vein and small bowel infarction. Phillips G, et al. J Ultrasound Med 1985 Oct;4(10):565–6
The fetal subarachnoid cisterns: an ultrasound study with report of a case of congenital communicating hydrocephalus. Pilu G, et al. J Ultrasound Med 1986 Jul; 5(7):365–72
Fetal lateral ventricular ratio determination during the second trimester. Pretorius DH, et al. J Ultrasound Med 1986 Mar;5(3):121–4
Sonographic appearance of an inflatable penile prosthesis. Quinn MJ, et al. J Ultrasound Med 1985 Oct;4(10):567–9
The varied sonographic appearance of cystic hygromas in utero. Rahmani MR, et al. J Ultrasound Med 1986 Mar; 5(3):165–8
Further observations in the ultrasound evaluation of renal allograft rejection. Raiss GJ, et al. J Ultrasound Med 1986 Aug;5(8):439–44
Localized deposition of Wharton's jelly: sonographic findings. Ramanathan K, et al. J Ultrasound Med 1986 Jun; 5(6):339–40
Sonographic findings in leiomyomatosis peritonealis disseminata: a case report and literature review. Renigers SA, et al. J Ultrasound Med 1985 Sep;4(9):497–500
Hydrometrocolpos, uterus didelphys, and septate vagina: an antenatal sonographic diagnosis. Russ PD, et al. J Ultrasound Med 1986 Apr;5(4):211–3
Early diagnosis and intrauterine therapy of meconium plug syndrome in the fetus: risks and benefits. Samuel N, et al. J Ultrasound Med 1986 Aug;5(8):425–8
Sonographic measurements of the fetal spleen: clinical implications. Schmidt W, et al. J Ultrasound Med 1985 Dec;4(12):667–72
Sonographic diagnosis of bilateral fetal renal duplication with ectopic ureteroceles. Schoenecker SA, et al. J Ultrasound Med 1985 Nov;4(11):617–8
Sonographic evaluation of the testicular feminization syndrome. Schwimer SR, et al. J Ultrasound Med 1985 Sep;4(9):503–4
The distended gasless abdomen: a fertile field for ultrasound. Seibert JJ, et al. J Ultrasound Med 1986 Jun;5(6):301–8
The spectrum of sonographic findings in pancreatic carcinoma. Shawker TH, et al. J Ultrasound Med 1986 Mar;5(3):169–77
Ultrasonography of Turner's syndrome. Shawker TH, et al. J Ultrasound Med 1986 Mar;5(3):125–9
Hepatic pseudotumors in patients with ascites. Skwarok DJ, et al. J Ultrasound Med 1986 Jan;5(1):5–8
Doppler evaluation of cerebral arteries in a Galenic vein malformation. Soto G, et al. J Ultrasound Med 1985 Dec; 4(12):673–5
Sonography of the normal and abnormal stomach (excluding hypertrophic pyloric stenosis in children. Stringer DA, et al. J Ultrasound Med 1986 Apr;5(4):183–8
Calcified tumor of the urinary bladder: sonographic diagnosis and distinction from a bladder calculus. Sumers EH, et al. J Ultrasound Med 1985 Dec;4(12):681–2
The Mayer–Rokitansky–Kuster–Hauser syndrome: sonographic aid to diagnosis. Swayne LC, et al. J Ultrasound Med 1986 May;5(5):287–9
Prenatal sonographic diagnosis of hemifacial microsomia (Goldenhar–Gorlin syndrome). Tamas DE, et al. J Ultrasound Med 1986 Aug;5(8):461–3
Sonographic assessment of the endometrium in patients undergoing in vitro fertilization. Thickman D, et al. J Ultrasound Med 1986 Apr;5(4):197–201
Prenatal sonographic diagnosis of Hirschsprung's disease. Vermesh M, et al. J Ultrasound Med 1986 Jan;5(1):37–9
Sonographic appearance of an epidermal inclusion cyst. Vincent LM, et al. J Ultrasound Med 1985 Nov; 4(11):609–11
The echo-Doppler (duplex) system for the detection of vertebral artery occlusive disease: comparison with angiography. Visonà A, et al. J Ultrasound Med 1986 May; 5(5):247–50
Fetal femur length/abdominal circumference ratio in preterm labor patients with and without successful tocolytic therapy. Westgren M, et al. J Ultrasound Med 1986 May; 5(5):243–5
Accessory hepatic fissure mimicking an acoustically shadowing lesion. Wilbur AC, et al. J Ultrasound Med 1986 Jun;5(6):341–2
Placental chorioangioma: a rare cause of elevated amniotic fluid alpha-fetoprotein. Willard DA, et al. J Ultrasound Med 1986 Apr;5(4):221–2
Sonography of the adrenal glands in chronic disseminated histoplasmosis. Wilson DA, et al. J Ultrasound Med 1986 Feb;5(2):69–73
Comparison of biparietal diameter and femur length in the third trimester: effects of gestational age and variation in fetal growth. Wolfson RN, et al. J Ultrasound Med 1986 Mar;5(3):145–9
Cortical sulcal development seen on sonography: relationship to gestational parameters. Worthen NJ, et al. J Ultrasound Med 1986 Mar;5(3):153–6
Evaluation of extratesticular findings in scrotal neoplasms. Worthy L, et al. J Ultrasound Med 1986 May;5(5):261–3
Sonographic demonstration of simultaneous intrauterine and extrauterine gestation. Yaghoobian J, et al. J Ultrasound Med 1986 Jun;5(6):309–12
Clavicular measurement: a new biometric parameter for fetal evaluation. Yarkoni S, et al. J Ultrasound Med 1985 Sep; 4(9):467–70
The retrolenticular afterglow: an echo enhancement artifact. Ziskin MC, et al. J Ultrasound Med 1986 Jul;5(7):385–9
Splanchnic vein measurements in patients with liver cirrhosis: a case-control study. Zoli M, et al. J Ultrasound Med 1985 Dec;4(12):641–6
Fetal uropathies: diagnostic pitfalls and management. Avni EF, et al. J Urol 1985 Nov;134(5):921–5
Ultrasonic recognition of a cystic seminal vesicle with ipsilateral renal agenesis. Carvalho HA, et al. J Urol 1986 Jun;135(6):1267–8
Comparison of digital examination and transrectal ultrasonography for the diagnosis of prostatic cancer. Chodak GW, et al. J Urol 1986 May;135(5):951–4
Ultrasound versus digitally directed prostatic needle biopsy. Liddell HT, et al. J Urol 1986 Apr;135(4):716–8
Scrotal ultrasound in the infertile man: detection of subclinical unilateral and bilateral varicoceles. McClure RD, et al. J Urol 1986 Apr;135(4):711–5
Xeroradiography and ultrasonography in the evaluation of a penile injury. Oesterling JE, et al. J Urol 1986 Apr; 135(4):791–3
Real-time renal sonography in spinal cord injury patients: prospective comparison with excretory urography. Rao KG, et al. J Urol 1986 Jan;135(1):72–7
The role of transabdominal ultrasound in the preoperative evaluation of patients with benign prostatic hypertrophy. Roehrborn CG, et al. J Urol 1986 Jun;135(6):1190–3
Simultaneous bilateral testicular tumors, one side clinically occult: detection by ultrasonography. Sanchez S, et al. J Urol 1986 Mar;135(3):591–2
Re: Preoperative evaluation of localized prostatic carcinoma by transrectal ultrasonography [letter] Sorek PA, et al. J Urol 1986 Aug;136(2):479–80
High resolution sonography in diagnosing testicular neoplasms: clinical significance of false positive scans. Tackett RE, et al. J Urol 1986 Mar;135(3):494–6
Can transabdominal ultrasonography of the bladder replace cystoscopy in the followup of superficial bladder tumors? Vallancien G, et al. J Urol 1986 Jul;136(1):32–4
High resolution real-time ultrasonography in the localization of the undescended testis. Weiss RM, et al. J Urol 1986 May;135(5):936–8
Bilateral neonatal testicular torsion: ultrasonographic evaluation. Zafaranloo S, et al. J Urol 1986 Mar; 135(3):589–90
Measurement of mesenteric blood flow by duplex scanning. Jäger K, et al. J Vasc Surg 1986 Mar;3(3):462–9
Preoperative noninvasive assessment of arm veins to be used as bypass grafts in the lower extremities. Salles-Cunha SX, et al. J Vasc Surg 1986 May;3(5):813–6
Continuous-wave Doppler in the intraoperative assesment of carotid endarterectomy. Seifert KB, et al. J Vasc Surg 1985 Nov;2(6):817–20
Diagnostic and therapeutic technology assessment. Diagnostic intraoperative ultrasound. JAMA 1985 Jul 12; 254(2):285–7
Brain, spine surgeons say yes to ultrasound [news] Raymond CA. JAMA 1986 May 2;255(17):2258–9, 2262
Unusual presentation of carotid artery aneurysm. Abiri S, et al. JCU 1985 Oct;13(8):594–6
Ultrasonic characteristics of tumefactive biliary sludge: a thixotropic phenomenon. Ando H, et al. JCU 1986 May; 14(4):289–92
Ultrasound demonstration of a benign mesothelioma of tunica vaginalis testis. Aquino NM, et al. JCU 1986 May; 14(4):310–1
Meconium ileus: ultrasonic diagnosis of intraluminal inspissated meconium. Barki Y, et al. JCU 1985 Sep; 13(7):509–12
Ultrasonography of gastric phytobezoar. Bidula MM, et al. JCU 1986 Jan;14(1):49–51
Early second-trimester sonographic diagnosis of thoracopagus twins. Blum E, et al. JCU 1986 Mar–Apr; 14(3):207–8

Lipomatosis of the pancrease: mistake in diagnostic imaging. Bock E, et al. JCU 1986 Jun;14(5):398–400
Tuberculous mesenteric lymphadenitis clinically presenting as abdominal mass: CT and sonographic findings. Borgia G, et al. JCU 1985 Sep;13(7):491–3
Sonographic features associated with cleft palate. Bundy AL, et al. JCU 1986 Jul–Aug;14(6):486–9
Combination of ultrasonography and computed tomography in the diagnosis of hemorrhagic pseudocyst of the pancreas. Cadet J, et al. JCU 1985 Oct;13(8):591–3
Sonographic features of milk of calcium cholecystitis. Childress MH. JCU 1986 May;14(4):312–4
Antenatal detection of hepatic cyst. Chung WM. JCU 1986 Mar–Apr;14(3):217–9
Appendiceal abscess in pregnancy: diagnosis by ultrasound. Coady DJ, et al. JCU 1986 Jan;14(1):70–1
Ectopic embryo detection using real–time sonography. Coleman BG, et al. JCU 1985 Oct;13(8):545–54
Ultrasonic tissue characterization of the placenta: is it of clinical value? Crawford DC, et al. JCU 1985 Oct; 13(8):533–7
Noncystic appearance of intraperitoneal Echinococcus on ultrasonic examination. Davies RP, et al. JCU 1986 Jan; 14(1):55–6
Comparison of ultrasonic scanning and scintiscanning in the evaluation of thyroid hemiagenesis. De Remigis F, et al. JCU 1985 Oct;13(8):561–3
Ultrasonographic detection of the patellar plica in the knee. Derks WH, et al. JCU 1986 Jun;14(5):355–60
Placental grade and pulmonary maturity in premature fetuses. Destro F, et al. JCU 1985 Nov–Dec;13(9):637–9
Use of ultrasound in the detection of macrosomia: a review. Deter RL, et al. JCU 1985 Oct;13(8):519–24 (31 ref.)
Ultrasound appearance of particulate matter in amniotic cavity: vernix or meconium? DeVore GR, et al. JCU 1986 Mar–Apr;14(3):229–30
Varied sonographic patterns in Echinococcus liver disease. Diakoumakis EE, et al. JCU 1985 Nov–Dec;13(9):627–31
Real–time sector ultrasound in the evaluation of suspected abnormalities of diaphragmatic motion. Diament MJ, et al. JCU 1985 Oct;13(8):539–43
Ultrasonographic findings in the livers of patients with lepromatous leprosy. Doehring E, et al. JCU 1986 Mar–Apr;14(3):179–83
Sonographic diagnosis of seminal vesicle cysts. Eisenberg D, et al. JCU 1986 Mar–Apr;14(3):213–5
Prognostic value of ultrasound, HCG and progesterone in threatened abortion. Eriksen BC, et al. JCU 1986 Jan; 14(1):3–9
Early prenatal diagnosis of cystic hygroma by real–time ultrasound. Exalto N, et al. JCU 1985 Nov–Dec; 13(9):655–8
Routine obstetric ultrasound: effectiveness of cross–sectional screening for fetal growth retardation. Ferrazzi E, et al. JCU 1986 Jan;14(1):17–22
Ascites as a cause of hyperechogenic kidneys. Fontaine S, et al. JCU 1985 Nov–Dec;13(9):633–6
Sonographic diagnosis of rhabdomyolysis. Fornage BD, et al. JCU 1986 Jun;14(5):389–92
Contralateral seminoma in a patient with prior cryptorchidism: sonographic evaluation. Gadwood KA. JCU 1985 Nov–Dec;13(9):683–5
Prenatal appearance of a mesoblastic nephroma associated with polyhydramnios. Geirsson RT, et al. JCU 1985 Sep; 13(7):488–90
Prenatal ultrasonographic diagnosis of fetal adrenal neuroblastoma. Giulian BB, et al. JCU 1986 Mar–Apr; 14(3):225–7
Small hyperechoic nodules of the renal parenchyma [letter] Gooding GA. JCU 1986 May;14(4):322
Congenital chloridorrhea: antenatal ultrasonographic appearance. Groli C, et al. JCU 1986 May;14(4):293–5
Sonographic monitoring of LHRH analogue therapy in idiopathic precocious puberty in young girls. Hall DA, et al. JCU 1986 Jun;14(5):331–8
Uncommon causes of scrotal and inguinal swelling in children: sonographic appearance. Han BK. JCU 1986 Jul–Aug;14(6):421–7
Advantages and pitfalls of ultrasound in the diagnosis of breast cancer. Heywang SH, et al. JCU 1985 Oct; 13(8):525–32
Congenital mesoblastic nephroma: prenatal ultrasonic findings and surgical excision in a very–low–birth–weight infant. Howey DD, et al. JCU 1985 Sep;13(7):506–8
Acoustic intensity histogram pattern diagnosis of liver diseases. Itoh K, et al. JCU 1985 Sep;13(7):449–56
Early diagnosis of fetal anencephaly. Johnson A, et al. JCU 1985 Sep;13(7):503–5
Ultrasound measurement of the fetal cerebral ventricles: a prospective, consecutive study. Jörgensen C, et al. JCU 1986 Mar–Apr;14(3):185–90
Contractility of maternal and fetal gallbladder: an ultrasonic study. Jouppila P, et al. JCU 1985 Sep;13(7):461–4
Real–time ultrasonography in neuromuscular problems in children. Kamala D, et al. JCU 1985 Sep;13(7):465–8
Sonography of adrenal glands in neonates and children: changes in appearance with age. Kangarloo H, et al. JCU 1986 Jan;14(1):43–7
Atypical sonographic findings in splenic infarction. Kauzlaric D, et al. JCU 1986 Jul–Aug;14(6):461–2
Spontaneous regression of mesenchymal hamartoma: observations using ultrasound. Kenney IJ, et al. JCU 1986 Jan;14(1):72–6
Ultrasonic demonstration of superior mesenteric and splenoportal venous thrombosis. Kidambi H, et al. JCU 1986 Mar–Apr;14(3):199–201
Significance of preoperative use of ultrasonography in parathyroid neoplasms: comparison of sonographic textures with histologic findings. Kinoshita Y, et al. JCU 1985 Sep; 13(7):457–60
Antenatal sonographic appearance of Beckwith–Wiedemann syndrome. Koontz WL, et al. JCU 1986 Jan;14(1):57–9
Gastric amyloidosis simulating antral malignancy on ultrasound. Leekam RN, et al. JCU 1985 Sep;13(7):485–7
Sonographic diagnosis of a chylous mesenteric cyst. Longmaid HE 3d, et al. JCU 1986 Jul–Aug;14(6):458–60
Fetal neck hemangioendothelioma with secondary hydrops fetalis: sonographic diagnosis. McGahan JP, et al. JCU 1986 Jun;14(5):384–8
Sonographic patterns of carotid body tumors. Mäkäräinen H, et al. JCU 1986 Jun;14(5):373–5
Fetal small bowel simulating an abdominal mass at sonography. Manco LG, et al. JCU 1986 Jun;14(5):404–7
Sonographic patterns in splenic infarct. Maresca G, et al. JCU 1986 Jan;14(1):23–8
Quantitative pulsed Doppler measurement of common femoral artery blood flow variables during postocclusive reactive hyperemia. Marquis C, et al. JCU 1986 Mar–Apr; 14(3):165–70
In utero prenatal ultrasonic diagnosis of a rare case of cloacal exstrophy. Meizner I, et al. JCU 1985 Sep;13(7):500–2
Prenatal ultrasonic diagnosis of the extreme form of prune belly syndrome. Meizner I, et al. JCU 1985 Oct;13(8):581–3
Fetal hydronephrosis and polyhydramnios associated with vesico–ureteral reflux [letter] Meizner I, et al. JCU 1985 Nov–Dec;13(9):693–4
Sonographic diagnosis of lethal osteogenesis imperfecta in the second trimester: case report and review. Merz E, et al. JCU 1986 Jun;14(5):380–3
Fetal weight estimates in late pregnancy with emphasis on macrosomia. Miller JM Jr, et al. JCU 1986 Jul–Aug; 14(6):437–42
Intraatrial extension of hepatocellular carcinoma detected with ultrasound. Morimoto K, et al. JCU 1986 Jul–Aug; 14(6):466–9
Spontaneous resolution of unilateral hematometra in a patient with bicornuate uterus: sonographic findings. Musante F, et al. JCU 1986 May;14(4):307–9
Ultrasound diagnosis of renal calcification in infants on chronic furosemide therapy. Myracle MR, et al. JCU 1986 May;14(4):281–7
Ultrasonic appearance of the liver in hepatic venous outflow obstruction (Budd–Chiari syndrome): a case of pseudohepatic infarct associated with Behçet's disease. Nakayama S, et al. JCU 1986 May;14(4):300–3
Sonography of experimental acute renal vein occlusion. Paling MR, et al. JCU 1985 Nov–Dec;13(9):647–53
Primary lymphoma of the ascending colon: sonographic demonstration. Parker LA, et al. JCU 1986 Mar–Apr; 14(3):221–3
Primary malignant lymphoma of the thyroid: sonographic appearance. Parulekar SG, et al. JCU 1986 Jan;14(1):60–2
Sonographic diagnosis of intraspinal neuroblastoma. Patel RB. JCU 1985 Oct;13(8):565–9
Ultrasonographic appearance of multiseptate gallbladder: report a case with coexisting choledochal cyst. Pery M, et al. JCU 1985 Oct;13(8):570–3
Antenatal sonographic diagnosis of complicated ovarian cysts. Preziosi P, et al. JCU 1986 Mar–Apr;14(3):196–8
A pictorial essay of pelvic and abdominal masses seen during pregnancy. Rahatzad MT, et al. JCU 1986 May; 14(4):255–67
Massive vesicoureteral reflux mimicking posterior urethral valves in a fetus. Reuter KL, et al. JCU 1985 Oct; 13(8):584–7
Ultrasonic monitoring under local anesthesia during removal of an embedded intrauterine contraceptive device. Reuter KL, et al. JCU 1986 Jan;14(1):68–9
Sonography of hemorrhagic ovarian cysts. Reynolds T, et al. JCU 1986 Jul–Aug;14(6):449–53
Cape Town, South Africa. Ridley DM, et al. JCU 1986 Jul–Aug;14(6):491–2
Hepatic artery aneurysm: ultrasonic diagnosis. Rigaux A, et al. JCU 1986 Jun;14(5):401–3
Ultrasonic estimation of fetal weight: a new predictive model incorporating femur length for the low–birth–weight fetus. Roberts AB, et al. JCU 1985 Oct;13(8):555–9
Comparison of computed tomography and ultrasound in the evaluation of abdominal neuroblastoma. Saks JB, et al. JCU 1985 Nov–Dec;13(9):641–5
Differential diagnosis of anechoic/hypoechoic lesions in the abdomen detected by ultrasound. Schölmerich J, et al. JCU 1986 Jun;14(5):339–53 (196 ref.)
Clot formation in the renal artery in the neonate demonstrated by ultrasound. Seibert JJ, et al. JCU 1986 Jul–Aug;14(6):470–3
International report. Tokyo. Sekiya T. JCU 1985 Nov–Dec; 13(9):610
Real–time ultrasound diagnosis of bleeding uterine perforation during therapeutic abortion. Shalev E, et al. JCU 1986 Jan;14(1):66–7
Diagnosis of leukemic relapse in the pelvic soft tissues of juvenile females. Shirkhoda A, et al. JCU 1986 Mar–Apr; 14(3):191–5
Ultrasonic features of pneumatosis intestinalis. Sigel B, et al. JCU 1985 Nov–Dec;13(9):675–8
Indications for routine cranial ultrasound scanning in the nursery. Sims ME, et al. JCU 1986 Jul–Aug;14(6):443–7
Antenatal ultrasound diagnosis of an intracranial neoplasm (craniopharyngioma). Snyder JR, et al. JCU 1986 May; 14(4):304–6
Cytomegalic virus periventriculitis: a sonographic picture mimicking ventricular hemorrhage. Sofer S, et al. JCU 1985 Oct;13(8):574–6
Pseudoepidural reverberation artifact: a common ultrasound artifact in fetal cranium. Stanley JH, et al. JCU 1986 May; 14(4):251–4
Ultrasound characteristics of the pancreas in children with cystic fibrosis. Swobodnik W, et al. JCU 1985 Sep; 13(7):469–74
Multiple regular circumscript fatty infiltrations of the liver. Swobodnik W, et al. JCU 1985 Oct;13(8):577–80
Early diagnosis of hepatocellular carcinoma: usefulness of ultrasonically guided fine–needle aspiration biopsy. Tanaka S, et al. JCU 1986 Jan;14(1):11–6
Accessory ultrasonographic findings in chronic liver disease: diameter of splenic and hepatic arteries, fasting gallbladder volume, and course of left portal vein. Toni R, et al. JCU 1985 Nov–Dec;13(9):611–8
Sonographic and pathologic correlation in intussusception of the bowel. Verbanck JJ, et al. JCU 1986 Jun;14(5):393–7
Mesoblastic nephroma: prenatal sonographic detection. Walter JP, et al. JCU 1985 Nov–Dec;13(9):686–9
Three complex cases of foregut atresia: prenatal sonographic diagnosis with radiographic correlation. Weinberg B, et al. JCU 1985 Sep;13(7):481–4
Sonographic diagnosis of cloverleaf skull and thanatophoric dysplasia in the second trimester. Weiner CP, et al. JCU 1986 Jul–Aug;14(6):463–5
Tolerance intervals for standards in ultrasound measurements: determination of BPD standards. Wexler S, et al. JCU 1986 May;14(4):243–50
Ultrasound appearance of biliary rhabdomyosarcoma. Williams AG Jr, et al. JCU 1986 Jan;14(1):63–5
False positive ultrasonic cholecystogram caused by hepatic granuloma. Williams JE, et al. JCU 1985 Nov–Dec; 13(9):659–61
Significance of ultrasonic prenatal diagnosis of ventricular septal defect. Yagel S, et al. JCU 1985 Oct;13(8):588–90
Echogenic wound abscess mimicking hepatic mass on ultrasonography. Yiengpruksawan A, et al. JCU 1986 Jun; 14(5):376–9
Echo–Doppler measurement of splanchnic blood flow in control and cirrhotic subjects. Zoli M, et al. JCU 1986 Jul–Aug;14(6):429–35
A case of congenital lymphoblastic leukemia: clinical course and significance of ultrasonography. Muchi H, et al. **Jpn J Clin Oncol** 1985 Sep;15(3):563–6
Sonographic tissue characterisation in thyroid gland diagnosis. A correlation between sonography and histology. Müller HW, et al. **Klin Wochenschr** 1985 Aug 1;63(15):706–10
Sonography of hypertrophic pyloric stenosis. Nishiyama S, et al. **Kobe J Med Sci** 1985 Jun;31(3):109–15
Ultrasonogram of Menetrier's disease. Akagawa H, et al. **Kurume Med J** 1985;32(1):71–4
The observation of pleural opacities by B mode ultrasonogram. Ichikawa Y, et al. **Kurume Med J** 1985; 32(2):141–6
Ultrasonic and X–ray tomographic findings of schistosomiasis japonicum. Nagata O, et al. **Kurume Med J** 1985; 32(4):301–5
Imaging the transplanted kidney [editorial] **Lancet** 1986 Apr 5;1(8484):781–3
Sonomammography [editorial] **Lancet** 1986 May 10; 1(8489):1076
Gestational assessment [editorial] **Lancet** 1986 Jun 28; 1(8496):1474–6
Duplex ultrasound: vision on, sound on [editorial] **Lancet** 1986 Jul 19;2(8499):137–8
Duplex scanning and the transplanted kidney [letter] Ferretti G, et al. **Lancet** 1986 Jul 26;2(8500):219
Impaired energy metabolism in brains of newborn infants with increased cerebral echodensities. Hamilton PA, et al. **Lancet** 1986 May 31;1(8492):1242–6
Ultrasound scans of brain in pre–term infants [letter] Leviton A, et al. **Lancet** 1986 Jan 18;1(8473):161
Ultrasound localisation for shock–wave lithotripsy [letter] Martin X, et al. **Lancet** 1985 Nov 2;2(8462):1005
Ultrasound–guided sampling of umbilical cord and placental blood to assess fetal wellbeing. Nicolaides KH, et al. **Lancet** 1986 May 10;1(8489):1065–7
Ultrasound screening for spina bifida: cranial and cerebellar signs. Nicolaides KH, et al. **Lancet** 1986 Jul 12;2(8498):72–4
Ultrasound biparietal diameter in spina bifida [letter] Wald N, et al. **Lancet** 1986 Aug 23;2(8504):454
Per–rectal ultrasonography for diagnosis of and guide to drainage of prostatic abscess [letter] Weinberger M, et al. **Lancet** 1985 Oct 5;2(8458):772
Evaluation of the attenuation coefficients in normal and pathological breast tissue. Landini L, et al. **Med Biol Eng Comput** 1986 May;24(3):243–7
Versatile microcomputer–based system for the capture, storage and processing of spectrum–analysed Doppler ultrasound blood flow signals. Prytherch DR, et al. **Med Biol Eng Comput** 1985 Sep;23(5):445–52

Parathyroid localization [letter] Arkles B, et al. **Med J Aust** 1986 Aug 4–18;145(3–4):176–7

Transvaginal ultrasonically-guided oocyte pick-up [letter] Blackledge DG, et al. **Med J Aust** 1986 Sep 15;145(6):300

Ultrasound in the diagnosis of jaundice—a review. Cooper D, et al. **Med J Aust** 1985 Oct 28;143(9):381–5

Interventional ultrasound in obstetrics and gynaecology [editorial] de Crespigny LC, et al. **Med J Aust** 1986 Jan 20;144(2):57–8

Initial results with transvaginal, ultrasonically-guided oocyte pick-up in an Australian in-vitro fertilization programme [letter] Torode HW, et al. **Med J Aust** 1986 May 26; 144(11):613–4

The use of ultrasound scanning by aboriginal health workers in antenatal care in a remote area of Australia. Watson DS. **Med J Aust** 1985 Oct 28;143(9 Suppl):S61–3

Ovarian dermoid: side by side presentation of the sonographic differential diagnosis. Fried AM, et al. **Med Radiogr Photogr** 1985 Jun;61(1–2):32–41

The use of gastric ultrasonography in the evaluation of a new antiflatulent preparation in human volunteers. Simón A, et al. **Methods Find Exp Clin Pharmacol** 1985 Jul; 7(7):393–8

Extracranial cerebrovascular Doppler examination with additional transcranial Doppler and Duplex scanning of the carotid artery in the stroke-prone patient. Keller HM, et al. **Monogr Atheroscler** 1986;14:52–65

The CNR program of preventive medicine—SP4 Objective 44. Non-invasive techniques for the evaluation of atherosclerotic plaque progression or regression. Lenzi S, et al. **Monogr Atheroscler** 1986;14:83–90

Early and late results of carotid endarterectomy. High-resolution echotomography and Doppler spectral analysis evaluation. Moggi L, et al. **Monogr Atheroscler** 1986;14:210–4

Echotomographic extracranial carotid evaluation in amaurosis fugax, hemispheric TIA and stroke patients. Senin U, et al. **Monogr Atheroscler** 1986;14:94–100

Ultrasonographic features of "milk of calcium" in kidney. Diakoumakis E, et al. **Mt Sinai J Med (NY)** 1985 Oct; 52(8):656–8

Effect of diet on dissolution of gallstones by ursodeoxycholic acid, including a comparison between ultrasonography and cholecystography. Lefkof IR, et al. **Mt Sinai J Med (NY)** 1986 Apr;53(4):241–9

Ultrasonographic fetal surveillance in the management of the isoimmunized pregnancy. Frigoletto FD, et al. **N Engl J Med** 1986 Aug 14;315(7):430–2

Prenatal diagnosis of congenital muscular dystrophy producing arthrogryposis [letter] Socol ML, et al. **N Engl J Med** 1985 Nov 7;313(19):1230

Interpretation of a 'bright' liver in ultrasound examination. de Korte PJ, et al. **Neth J Med** 1986;29(1):5–7

Noninvasive transcranial Doppler ultrasound in intracranial angiomas. Schwartz A, et al. **Neurology** 1986 May; 36(5):626–35

Increased periventricular echogenicity (periventricular halos) in neonatal brain: a sonographic study. Laub MC, et al. **Neuropediatrics** 1986 Feb;17(1):39–43

Doppler sonography in basilar artery occlusion. Biedert S, et al. **Neuroradiology** 1985;27(5):430–3

Periventricular leukomalacia: a correlation study between real-time ultrasound and autopsy findings. Periventricular leukomalacia in the neonate. Fawer CL, et al. **Neuroradiology** 1985;27(4):292–300

In utero diagnosis of a vein of Galen aneurysm by ultrasound. Mendelsohn DB, et al. **Neuroradiology** 1984;26(5):417–8

Use of intraoperative ultrasound in decision making during spinal operations. Theodotou BC, et al. **Neurosurgery** 1986 Aug;19(2):205–11

Use of echography in guinea pigs for pregnancy diagnosis. Inaba T, et al. **Nippon Juigaku Zasshi** 1986 Jun;48(3):615–8

Ultrasound diagnosis of interstitial pregnancy. Coady DJ, et al. **NY State J Med** 1985 Nov;85(11):655–6

Quantitative Doppler spectrum analysis of extracranial carotid artery stenosis. Perry MO, et al. **NY State J Med** 1985 Oct;85(10):577–80

Antenatal ultrasound diagnosis of developmental abnormalities. Mok PM, et al. **NZ Med J** 1985 Nov 13; 98(790):954–6

Ultrasonographic determination of chorion type in twin gestation. Barss VA, et al. **Obstet Gynecol** 1985 Dec; 66(6):779–83

Diagnosis and management of fetal teratomas. Chervenak FA, et al. **Obstet Gynecol** 1985 Nov;66(5):666–71

Sonographic imaging of intrauterine adhesions. Confino E, et al. **Obstet Gynecol** 1985 Oct;66(4):596–8

Sonographically guided extraction of a submucous myoma. Darney PD. **Obstet Gynecol** 1985 Nov;66(5):731–2

Ultrasonic assessment of fetal response to second-trimester amniocentesis. Gianopoulos J, et al. **Obstet Gynecol** 1986 Mar;67(3):410–3

Diagnosis of hydatidiform mole by ultrasound. Gottesfeld KR, et al. **Obstet Gynecol** 1967 Aug;30(2):163–71

Five hundred cases of amniocentesis without bloody tap. Katayama KP, et al. **Obstet Gynecol** 1986 Jul;68(1):70–3

Fetal biophysical profile in twin gestations. Lodeiro JG, et al. **Obstet Gynecol** 1986 Jun;67(6):824–7

Measurement of breast volume by ultrasound during normal menstrual cycles and with oral contraceptive use. Malini S, et al. **Obstet Gynecol** 1985 Oct;66(4):538–41

Umbilical blood flow velocity waveforms in different maternal positions and with epidural analgesia. Marx GF, et al. **Obstet Gynecol** 1986 Jul;68(1):61–4

Ultrasound prediction of pulmonary hypoplasia. Nimrod C, et al. **Obstet Gynecol** 1986 Oct;68(4):495–8

Role of amniocentesis in ultrasound-detected fetal malformations. Platt LD, et al. **Obstet Gynecol** 1986 Aug; 68(2):153–5

Sonographic detection of fetal urinary-tract anomalies. Quinlan RW, et al. **Obstet Gynecol** 1986 Apr;67(4):558–65

New criteria for the diagnosis of gestational trophoblastic disease. Romero R, et al. **Obstet Gynecol** 1985 Oct; 66(4):553–8

Value of fetal ponderal index in predicting growth retardation. Vintzileos AM, et al. **Obstet Gynecol** 1986 Apr; 67(4):584–8

Fetal liver ultrasound measurements in isoimmunized pregnancies. Vintzileos AM, et al. **Obstet Gynecol** 1986 Aug;68(2):162–7

Routine ultrasound screening for antenatal detection of intrauterine growth retardation. Warsof SL, et al. **Obstet Gynecol** 1986 Jan;67(1):33–9

Antenatal diagnosis and palliative treatment of nonimmune hydrops fetalis secondary to pulmonary extralobar sequestration. Weiner C, et al. **Obstet Gynecol** 1986 Aug; 68(2):275–80

Spontaneous abortion and pregnancy outcome after normal first-trimester ultrasound examination. Wilson RD, et al. **Obstet Gynecol** 1986 Mar;67(3):352–5

Small choroidal melanoma with diffuse orbital involvement detected and differentiated with standardized echography—with special reference to the reliability of sonography in predicting scleral tumoral infiltration. Rochels R, et al. **Ophthalmologica** 1986;192(1):39–45

Extraocular muscle size comparison using standardized A-scan echography and computerized tomography scan measurements. Holt JE, et al. **Ophthalmology** 1985 Oct; 92(10):1351–5

Comparison of ultrasonic corneal thickness measurements before and during surgery in the prospective evaluation of Radial Keratotomy (PERK) Study. Villaseñor RA, et al. **Ophthalmology** 1986 Mar;93(3):327–30

Ultrasound screening for sinus disease. Landman MD. **Otolaryngol Head Neck Surg** 1986 Feb;94(2):157–64

Newer concepts of diagnostic imaging [editorial] Levine MI. **Pediatr Ann** 1986 May;15(5):349–52

Pediatric ultrasound: an update. Narla LD, et al. **Pediatr Ann** 1986 May;15(5):360–6

Ultrasonography in the pediatric gyn patient. Sanfilippo JS, et al. **Pediatr Ann** 1986 Aug;15(8):607–13

Ultrasound assessment of ductal closure, pulmonary blood flow velocity, and systolic pulmonary arterial pressure in healthy neonates. Freund M, et al. **Pediatr Cardiol** 1986; 6(5):233–7

Prenatal detection of fetal anomalies with sonography. Fleischer AC, et al. **Pediatr Clin North Am** 1985 Dec; 32(6):1523–36 (29 ref.)

23rd congress of the European Society of Pediatric Radiology. Barcelona, Spain, 21–23 May 1986. **Pediatr Radiol** 1986;16(4):335–55

Ultrasonographic detection of spontaneous perforation of the extrahepatic bile ducts in infancy. Bahia JO, et al. **Pediatr Radiol** 1986;16(2):157–9

The role of ultrasonography in the evaluation of vomiting in infants. Blumhagen JD. **Pediatr Radiol** 1986;16(4):267–70

Real-time ultrasonographic surveillance in the detection of CNS involvement in systemic Candida infection. Bozynski ME, et al. **Pediatr Radiol** 1986;16(3):235–7

The prenatal ultrasonographic diagnosis of cardiomegaly due to tricuspid incompetence. Brown J, et al. **Pediatr Radiol** 1986;16(5):440

A review of the ultrasonic appearances of posterior urethral valve and ureteroceles. Cremin BJ. **Pediatr Radiol** 1986; 16(5):357–64

Ultrasound of Wilms' tumor. De Campo JF. **Pediatr Radiol** 1986;16(1):21–4

Real-time ultrasound in Crohn's disease: characteristic features and clinical implications. Dinkel E, et al. **Pediatr Radiol** 1986;16(1):8–12

Ultrasonographical aspects of urinary schistosomiasis: assessment of morphological lesions in the upper and lower urinary tract. Dittrich M, et al. **Pediatr Radiol** 1986; 16(3):225–30

Ultrasonographic features of glomerulocystic disease in infancy: similarity to infantile polycystic kidney disease. Fitch SJ, et al. **Pediatr Radiol** 1986;16(5):400–2

The sonographic evaluation of the great vessels' interspace in the pediatric retroperitoneum. Grünebaum M, et al. **Pediatr Radiol** 1986;16(5):384–7

Renal ultrasound in metabolic bone disease. Jequier S, et al. **Pediatr Radiol** 1986;16(2):135–9

Cranial ultrasonography of neonatal periventricular/intraventricular hemorrhage: who, how, why and when? Kirks DR, et al. **Pediatr Radiol** 1986; 16(2):114–9

Ultrasound in the diagnosis of systemic candidiasis (renal and cranial) in very low birth weight premature infants. Kirpekar M, et al. **Pediatr Radiol** 1986;16(1):17–20

High resolution ultrasonography of the parotid gland in children. Seibert RW, et al. **Pediatr Radiol** 1986;16(5):374–9

Fluid-filled structures simulating solid tumors at ultrasonography—a report on five cases. Söderlund V, et al. **Pediatr Radiol** 1986;16(2):110–3

Intussusception: indications for ultrasonography and an explanation of the doughnut and pseudokidney signs. Swischuk LE, et al. **Pediatr Radiol** 1985;15(6):388–91

Hemorrhage in cavum septi pellucidi. Vade A, et al. **Pediatr Radiol** 1986;16(5):417–9

Diagnostic value of ultrasonography in neonatal liver rupture. Zorzi C, et al. **Pediatr Radiol** 1986;16(5):425–6

Ultrasonography in the radiologic evaluation of children with urinary tract infection. Alon U, et al. **Pediatrics** 1986 Jul; 78(1):58–64

Ureteropelvic junction obstruction presenting with recurrent abdominal pain: diagnosis by ultrasound. Byrne WJ, et al. **Pediatrics** 1985 Dec;76(6):934–7

Physical principles of Doppler ultrasound. Measuring movement with sound. Fisher DC, et al. **Postgrad Med** 1985 Nov 1;78(6):118–20, 125–7, 130

Ultrasound in cerebral and peripheral vascular disease. Clinical applications. Halpern N. **Postgrad Med** 1985 Nov 1;78(6):137–43, 147–8

Doppler ultrasound in noninvasive cardiac evaluation. The growing range of applications. Voyles WF, et al. **Postgrad Med** 1985 Nov 1;78(6):151–5, 158, 161–4

Glomus tumour of the hallux: diagnosis by Doppler-shift ultrasound and digital subtraction angiography. Kreel L, et al. **Postgrad Med J** 1986 Jul;62(729):647–51

The fetal behavioural states: an ultrasonic study. Arduini D, et al. **Prenat Diagn** 1985 Jul–Aug;5(4):269–76

The prenatal diagnosis of the Walker-Warburg syndrome. Crowe C, et al. **Prenat Diagn** 1986 May–Jun;6(3):177–85

The use of amniotic FSH levels in resolving a discrepancy between fetal chromosomal and phenotypic sex. Dalprà L, et al. **Prenat Diagn** 1985 Nov–Dec;5(6):419–22

Early prenatal diagnosis of short rib–polydactyly (SRP) syndrome type I (Majewski) by ultrasound in a case at risk. Gembruch U, et al. **Prenat Diagn** 1985 Sep–Oct; 5(5):357–62

Antenatal sonographic diagnosis of arthrogryposis multiplex congenita. Goldberg JD, et al. **Prenat Diagn** 1986 Jan–Feb; 6(1):45–9

Sonographic demonstration of fetal sacrococcygeal teratoma. Holzgreve W, et al. **Prenat Diagn** 1985 Jul–Aug;5(4):245–57

Prenatal diagnosis of Mohr syndrome by ultrasonography. Iaccarino M, et al. **Prenat Diagn** 1985 Nov–Dec;5(6):415–8

Prenatal diagnosis of familial tuberous sclerosis following detection of cardiac rhabdomyoma by ultrasound. Journel H, et al. **Prenat Diagn** 1986 Jul–Aug;6(4):283–9

Prenatal diagnosis of dysegmental dwarfism. Kim HJ, et al. **Prenat Diagn** 1986 Mar–Apr;6(2):143–50

Prenatal obstruction of the ileum diagnosed by ultrasound. Kjøller M, et al. **Prenat Diagn** 1985 Nov–Dec;5(6):427–30

Congenital chylothorax—prenatal ultrasonic diagnosis and successful post partum management. Meizner I, et al. **Prenat Diagn** 1986 May–Jun;6(3):217–21

Prenatal ultrasonic diagnosis of radial-ray aplasia and renal anomalies (acro-renal syndrome). Meizner I, et al. **Prenat Diagn** 1986 May–Jun;6(3):223–5

Prenatal diagnosis of omphalocele and gastroschisis by ultrasonography. Nielsen LB, et al. **Prenat Diagn** 1985 Nov–Dec;5(6):381–92

Anatomic correlates of ultrasonographic prenatal diagnosis. Rutledge JC, et al. **Prenat Diagn** 1986 Jan–Feb;6(1):51–61

Prenatal measurement of the fetal cerebellum and cisterna cerebellomedullaris by ultrasound. Smith PA, et al. **Prenat Diagn** 1986 Mar–Apr;6(2):133–41

Prenatal ultrasonic diagnosis of familial asymmetric septal hypertrophy. Stewart PA, et al. **Prenat Diagn** 1986 Jul–Aug;6(4):249–56

Prenatal diagnosis of hypochondroplasia. Stoll C, et al. **Prenat Diagn** 1985 Nov–Dec;5(6):423–6

Ultrasound diagnosis of testicular tumors. Arvis G, et al. **Prog Clin Biol Res** 1985;203:237–42

The value of ultrasonography in the investigation of testicular tumours. Pascal-Suisse P, et al. **Prog Clin Biol Res** 1985; 203:213–4

Antenatal ultrasound diagnosis of congenital malformations of the urinary tract: results and criticism. dell'Agnola CA, et al. **Prog Pediatr Surg** 1986;19:158–9

Prenatal diagnosis of fetal malformations by ultrasonography. Kratochwil A. **Prog Pediatr Surg** 1986;19:143–57

Is prenatal ultrasonography of any advantage? Schütze U, et al. **Prog Pediatr Surg** 1986;19:178–83

Sonographic appearance of craniofacial dysostosis in utero. Brook F. **Radiography** 1986 May–Jun;52(603):153–4

Microcomputer system for record keeping during infertility monitoring by ultrasound. Clewes JS, et al. **Radiography** 1986 Jan–Feb;52(601):31–3

Ultrasound diagnosis of exomphalos: a case report. Ford D. **Radiography** 1985 Sep–Oct;51(599):262–3

Ultrasound case history: hydrocephaly. Lee HR, et al. **Radiography** 1986 Mar–Apr;52(602):69–70

Obstetric ultrasonography: college initiative needed [letter] Witcombe JB, et al. **Radiography** 1986 Jan–Feb;52(601):56

Symposium on new imaging technology: pitfalls and controversies. **Radiol Clin North Am** 1985 Sep; 23(3):379–586

Quantitative flow measurements with Doppler ultrasound: techniques, accuracy, and limitations. Burns PN, et al. **Radiol Clin North Am** 1985 Dec;23(4):641–57

Vascular ultrasonography: abdominal applications. Needleman L, et al. **Radiol Clin North Am** 1986 Sep; 24(3):461–84 (177 ref.)

Percutaneous aspiration biopsy of the pancreas under

ultrasonic guidance. Bohár L, et al. **Radiol Diagn (Berl)** 1985;26(5):683–7

Localization of parathyroid adenoma: experiences with ultrasonography. Gönczi J, et al. **Radiol Diagn (Berl)** 1986; 27(2):249–55

Real-time ultrasound of hypertrophic pyloric stenosis. Giyanani V. **Radiol Technol** 1986 Jan–Feb;57(3):257–9

Obstetrical sonography—focus on the fetus. Krebs CA. **Radiol Technol** 1986 Mar–Apr;57(4):350–4

The use of ultrasound in the radiation therapy treatment planning of metastatic neck node. Wilson EE. **Radiol Technol** 1985 Sep–Oct;57(1):41–5

Cumulative index 1981–1985, Volumes 138–157. **Radiology** 1985;:1–813

Extraperitoneal paravesical spaces: CT delineation with US correlation. Auh YH, et al. **Radiology** 1986 May; 159(2):319–28

Intraperitoneal paravesical spaces: CT delineation with US correlation. Auh YH, et al. **Radiology** 1986 May; 159(2):311–7

Abnormal facial features and extremities in human trisomy syndromes: prenatal US appearance. Benacerraf BR, et al. **Radiology** 1986 Apr;159(1):243–6

Intrauterine growth retardation: predictive value of US criteria for antenatal diagnosis. Benson CB, et al. **Radiology** 1986 Aug;160(2):415–7

Fetal lung development: compressibility as a measure of maturity. Birnholz JC, et al. **Radiology** 1985 Nov; 157(2):495–8

Tissue characterization of the testes using ultrasonic CT. Work in progress. Bland PH, et al. **Radiology** 1986 Apr; 159(1):101–5

Achilles tendon: US diagnosis of pathologic conditions. Work in progress. Blei CL, et al. **Radiology** 1986 Jun;159(3):765–7

The infant hip: assesment with real–time US. Boal DK, et al. **Radiology** 1985 Dec;157(3):667–72

Axillary lymph node metastases in breast cancer: preoperative detection with US. Bruneton JN, et al. **Radiology** 1986 Feb;158(2):325–6

Prostatic evaluation by transrectal sonography with histopathologic correlation: the echopenic appearance of early carcinoma. Dähnert WF, et al. **Radiology** 1986 Jan; 158(1):97–102

The echogenic focus in prostatic sonograms, with xeroradiographic and histopathologic correlation. Dähnert WF, et al. **Radiology** 1986 Apr;159(1):95–100

Parathymic parathyroid: CT, US, and angiographic findings. Doppman JL, et al. **Radiology** 1985 Nov;157(2):419–23

Re: US in the evaluation of acute flank pain [letter] Erwin BC, et al. **Radiology** 1985 Nov;157(2):554

Hepatic artery pseudoaneurysm: diagnosis with real–time and pulsed Doppler US. Falkoff GE, et al. **Radiology** 1986 Jan; 158(1):55–6

Achilles tendon: US examination. Fornage BD. **Radiology** 1986 Jun;159(3):759–64

Ultrasound examination of the hand [letter] Fornage BD, et al. **Radiology** 1986 Sep;160(3):853–4

Posttraumatic progressive myelopathy. Clinical and radiologic correlation employing MR imaging, delayed CT metrizamide myelography, and intraoperative sonography. Gebarski SS, et al. **Radiology** 1985 Nov;157(2):379–85

Obstruction of the superior vena cava or subclavian veins: sonographic diagnosis. Gooding GA, et al. **Radiology** 1986 Jun;159(3):663–5

Left coronary arterial blood flow: noninvasive detection by Doppler US. Gramiak R, et al. **Radiology** 1986 Jun; 159(3):657–62

Testicular neoplasms: 29 tumors studied by high–resolution US. Grantham JG, et al. **Radiology** 1985 Dec;157(3):775–80

Ureteropelvic junction stenosis: antenatal ultrasonographic diagnosis, postnatal investigation, and follow–up. Grignon A, et al. **Radiology** 1986 Sep;160(3):649–51

Urinary tract dilatation in utero: classification and clinical applications. Grignon A, et al. **Radiology** 1986 Sep; 160(3):645–7

Twin and singleton growth patterns compared using US. Grumbach K, et al. **Radiology** 1986 Jan;158(1):237–41

Multicystic dysplastic kidney in utero: changing appearance on US. Hashimoto BE, et al. **Radiology** 1986 Apr; 159(1):107–9

Vernix in amniotic fluid: sonographic detection. Hill LM, et al. **Radiology** 1986 Jan;158(1):80

Gaucher disease: sonographic appearance of the spleen. Hill SC, et al. **Radiology** 1986 Sep;160(3):631–4

Automated breast sonography using a 7.5–MHz PVDF transducer: preliminary clinical evaluation. Work in progress. Jackson VP, et al. **Radiology** 1986 Jun; 159(3):679–84

Extrapancreatic spread of acute pancreatitis: new observations with real–time US. Jeffrey RB Jr, et al. **Radiology** 1986 Jun;159(3):707–11

Spontaneous resolution of cholelithiasis in infants. Keller MS, et al. **Radiology** 1985 Nov;157(2):345–8

Ovarian carcinoma follow–up: US versus laparotomy. Khan O, et al. **Radiology** 1986 Apr;159(1):111–3

Schizencephaly: diagnosis and progression in utero. Klingensmith WC 3d, et al. **Radiology** 1986 Jun; 159(3):617–8

Whole–breast US imaging: four–year follow–up. Kopans DB, et al. **Radiology** 1985 Nov;157(2):505–7

Biliary dilatation: defining the level and cause by real–time US. Laing FC, et al. **Radiology** 1986 Jul;160(1):39–42

Fetal intracranial teratoma: US diagnosis of three cases and a review of the literature. Lipman SP, et al. **Radiology** 1985 Nov;157(2):491–4

Brain gliomas: sonographic characterization. McGahan JP, et al. **Radiology** 1986 May;159(2):485–92

Normal stomach wall and gastric cancer: evaluation with high–resolution operative US. Machi J, et al. **Radiology** 1986 Apr;159(1):85–7

Epiphyseal ossification centers in the assessment of fetal maturity: sonographic correlation with the amniocentesis lung profile. Mahony BS, et al. **Radiology** 1986 May; 159(2):521–4

Budd–Chiari syndrome: US evaluation. Menu Y, et al. **Radiology** 1985 Dec;157(3):761–4

The infant hip: real–time US assessment of acetabular development. Morin C, et al. **Radiology** 1985 Dec; 157(3):673–7

Ovary volume in young and premenopausal adults: US determination. Work in progress. Munn CS, et al. **Radiology** 1986 Jun;159(3):731–2

Threatened abortion: sonographic distinction of normal and abnormal gestation sacs. Nyberg DA, et al. **Radiology** 1986 Feb;158(2):397–400

Abnormal pregnancy: early diagnosis by US and serum chorionic gonadotropin levels. Nyberg DA, et al. **Radiology** 1986 Feb;158(2):393–6

Average fetal depth in utero: data for estimation of fetal absorbed radiation dose. Ragozzino MW, et al. **Radiology** 1986 Feb;158(2):513–5

Wilms tumor in children: abdominal CT and US evaluation. Reiman TA, et al. **Radiology** 1986 Aug;160(2):501–5

Transrectal US as an adjunct in the diagnosis of rectal and extrarectal tumors. Rifkin MD, et al. **Radiology** 1985 Nov; 157(2):499–502

Renal allografts in acute rejection: evaluation using duplex sonography. Rigsby CM, et al. **Radiology** 1986 Feb; 158(2):375–8

Uterine perforation and embedding by intrauterine device: evaluation by US and hysterography. Rosenblatt R, et al. **Radiology** 1985 Dec;157(3):765–70

Experimental acute tubular necrosis: US appearance. Rosenfield AT, et al. **Radiology** 1985 Dec;157(3):771–4

Efficacy of intraoperative US for evaluating intracranial masses. Rubin JM, et al. **Radiology** 1985 Nov;157(2):509–11

Placental abruption and subchorionic hemorrhage in the first half of pregnancy: US appearance and clinical outcome. Sauerbrei EE, et al. **Radiology** 1986 Jul;160(1):109–12

The thyroid gland with low uptake lesions: evaluation by ultrasound [letter] Schober O, et al. **Radiology** 1986 Jan; 158(1):277–8

Intraoperative US as an aid to intraoperative electron beam radiation therapy. Schoenecker SA, et al. **Radiology** 1986 Jul;160(1):251–3

Endotracheal tubes in neonates: sonographic positioning. Slovis TL, et al. **Radiology** 1986 Jul;160(1):262–3

Liver transplant recipients: portable duplex US with correlative angiography. Taylor KJ, et al. **Radiology** 1986 May;159(2):357–63

Quantitative US attenuation in normal liver and in patients with diffuse liver disease: importance of fat. Taylor KJ, et al. **Radiology** 1986 Jul;160(1):65–71

Differentiation of benign from malignant ascites by sonographic evaluation of gallbladder wall. Tsujimoto F, et al. **Radiology** 1985 Nov;157(2):503–4

Re: Renal parenchyma in infancy and childhood: US characteristics [letter] Turner PA, et al. **Radiology** 1985 Dec;157(3):837–8

Carotid artery disease: new criteria for evaluation by sonographic duplex scanning. Vaisman U, et al. **Radiology** 1986 Jan;158(1):253–5

Extratesticular hemorrhage associated with torsion of the spermatic cord: sonographic demonstration. Vick CW, et al. **Radiology** 1986 Feb;158(2):401–4

Pelvic masses in pregnant patients: MR and US imaging. Weinreb JC, et al. **Radiology** 1986 Jun;159(3):717–24

Mediastinal tumors: evaluation with suprasternal sonography. Wernecke K, et al. **Radiology** 1986 May;159(2):405–9

Unchanged size of a dilated common bile duct after a fatty meal: results and significance. Willson SA, et al. **Radiology** 1986 Jul;160(1):29–31

US of the upper abdomen: factors influencing image quality. Windler EE, et al. **Radiology** 1985 Nov;157(2):513–5

Regression of uveal malignant melanomas following cobalt–60 plaque. Correlates between acoustic spectrum analysis and tumor regression. Coleman DJ, et al. **Retina** 1985 Spring–Summer;5(2):73–8

Three cases of pigmented villonodular synovitis of the knee. Ultrasound and computed tomographic findings. Gagnerie F, et al. **ROFO** 1986 Aug;145(2):227–8

Sensitivity of ultrasonography for detecting gallstones. Tervonen O, et al. **Rontgenblatter** 1986 Aug;39(8):220–1

Sources of error in ultrasonography. Yläyrynen T, et al. **Rontgenblatter** 1986 Jun;39(6):146–50

Simulation of posterior fossa cyst by normal, hypo–echoic white matter on cranial ultrasonography. Moodley TR. **S Afr Med J** 1986 Jan 18;69(2):107–8

Antenatal ultrasonographic findings in tuberous sclerosis. Report of 2 cases. Muller L, et al. **S Afr Med J** 1986 May 10;69(10):633–8

Ultrasonic tissue characterization of malignant lymphoma. Kobayashi T, et al. **Sangyo Ika Daigaku Zasshi** 1986 Mar 1;8(1):63–72

Echographic characteristics and ultrasonic tissue characterization in breast tumor. Kobayashi T, et al. **Sangyo Ika Daigaku Zasshi** 1985 Dec 1;7(4):419–34

Ultrasonography in asymptomatic patients with abnormal biochemical liver tests. Ekberg O, et al. **Scand J Gastroenterol** 1986 Jun;21(5):573–6

The value of routine sonography in clinically suspected acute cholecystitis. Soiva M, et al. **Scand J Gastroenterol** 1986 Jan;21(1):70–4

Sonography and NMR imaging in rheumatoid gonarthritis. Hammer M, et al. **Scand J Rheumatol** 1986;15(2):157–64

Assessment of prosthetic mitral valve pressure gradients by means of ultrasound Doppler technique and on–line spectral analysis. Hatteland K, et al. **Scand J Thorac Cardiovasc Surg** 1985;19(2):113–7

Urothelial carcinoma in a bladder diverticulum evaluated by transurethral ultrasonography. Dragsted J, et al. **Scand J Urol Nephrol** 1985;19(2):153–4

Percutaneous balloon catheter nephrostomy guided by ultrasound. Results of a new technique. Juul N, et al. **Scand J Urol Nephrol** 1985;19(4):291–4

Evaluation of hydronephrosis in pregnancy using ultrasound and renography. Müller–Suur R, et al. **Scand J Urol Nephrol** 1985;19(4):267–73

Ultrasonographic findings in renal parenchymal diseases. Päivänsalo M, et al. **Scand J Urol Nephrol** 1985; 19(2):119–23

Control for recurrences of urinary bladder tumours by transabdominal ultrasonic scanning. Rosenkilde Olsen P, et al. **Scand J Urol Nephrol** 1985;19(2):105–7

Amniotic fluid volume: ultrasound assessment and clinical significance. Chamberlain P. **Semin Perinatol** 1985 Oct; 9(4):163–7

Specialized applications of obstetric ultrasound: management of the alloimmunized pregnancy. Harman CR. **Semin Perinatol** 1985 Oct;9(4):184–97

Assessment of fetal condition and risk: analysis of single and combined biophysical variable monitoring. Manning FA. **Semin Perinatol** 1985 Oct;9(4):168–83 (79 ref.)

Localisation of parathyroid tissue by ultrasound and computerised tomography scanning—a case report. Tan J, et al. **Singapore Med J** 1985 Oct;26(6):485–9

Computed tomography and ultrasonography of the hemophilic pseudotumor and their use in surgical planning. Hermann G, et al. **Skeletal Radiol** 1986;15(2):123–8

An interview study of pregnant women's attitudes to ultrasound scanning. Hyde B. **Soc Sci Med** 1986; 22(5):587–92

Ovarian torsion diagnosed by ultrasonography. Bowen A. **South Med J** 1985 Nov;78(11):1376–9

Sonographic diagnosis of a liver cell adenoma. Quinn SF, et al. **South Med J** 1986 Mar;79(3):372–3

Ultrasound of the spine in focal stenosis and disc disease. Engel JM, et al. **Spine** 1985 Dec;10(10):928–31

Pulsed Doppler: an evaluation of diameter, blood velocity and blood flow of the common carotid artery in patients with isolated unilateral stenosis of the internal carotid artery. Benetos A, et al. **Stroke** 1985 Nov–Dec;16(6):969–72

Influence of contralateral obstructions on Doppler–frequency spectral analysis of ipsilateral stenoses of the carotid arteries. Fischer M, et al. **Stroke** 1985 Sep–Oct;16(5):846–8

Reproducibility of carotid artery Doppler frequency measurements. Fischer M, et al. **Stroke** 1985 Nov–Dec; 16(6):973–6

Visual disturbance and carotid artery disease. 500 symptomatic patients studied by non–invasive carotid artery testing including B–mode ultrasonography. Gaul JJ, et al. **Stroke** 1986 May–Jun;17(3):393–8

Non–invasive diagnosis of intracranial lesions in the vertebrobasilar system. A comparison of Doppler sonographic and angiographic findings. Ringelstein EB, et al. **Stroke** 1985 Sep–Oct;16(5):848–55

Anterior cervical epidural abscess: the use of intraoperative spinal sonography. Feldenzer JA, et al. **Surg Neurol** 1986 Jan;25(1):105–8

Duplex scanning of the portal vein and portasystemic shunts. Ackroyd N, et al. **Surgery** 1986 May;99(5):591–7

Intraoperative ultrasonography in surgery for liver tumors. Gozzetti G, et al. **Surgery** 1986 May;99(5):523–30

Ovarian follicular growth monitored by ultrasound. Ko TM, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Aug;84(8):929–35

The opaque right hemithorax: identifying the diaphragm with ultrasound. Bedi DG, et al. **Tex Med** 1985 Dec;81(12):37–42

Prenatal detection of nuchal cystic hygroma by ultrasound. Perone N. **Tex Med** 1985 Sep;81(9):40–3

Doppler frequency spectrum analysis and digital subtraction angiography in carotid artery disease. Fischer M, et al. **Thorac Cardiovasc Surg** 1985 Oct;33(5):304–7

Noninvasive screening procedure for evaluation of bladder emptying function. Nishizawa O, et al. **Tohoku J Exp Med** 1985 Dec;147(4):421–5

Estimation of fetal weight by ultrasonic measurement of several fetal growth parameters. Sato A, et al. **Tohoku J Exp Med** 1985 Jul;146(3):349–61

Remote diagnosis via a telecommunication satellite—ultrasonic tomographic image transmission experiments. Nakajima I, et al. **Tokai J Exp Clin Med** 1985 Apr;10(1):65–9

Grey scale ultrasonography of the thyroid gland, Nigeria. Iko BO. **Trop Geogr Med** 1986 Mar;38(1):21–7

Fine needle percutaneous intratumoral chemotherapy under ultrasound guidance: a feasibility study. Livraghi T, et al.

Tumori 1986 Feb 28;72(1):81–7
Eleventh International Symposium on Ultrasonic Imaging and Tissue Characterization. June 2–4, 1986, Washington, DC. Abstracts. **Ultrason Imaging** 1986 Jan;8(1):29–72
Generalized description and tracking estimation of the frequency dependent attenuation of ultrasound in biological tissues. Cloostermans MJ, et al. **Ultrason Imaging** 1985 Apr; 7(2):133–41
Scatterer-induced frequency variations in reflected acoustic pulses: implications for tissue characterization. Gehlbach SM, et al. **Ultrason Imaging** 1985 Apr;7(2):172–8
Ultrasonic reflex transmission imaging. Green PS, et al. **Ultrason Imaging** 1985 Jul;7(3):201–14
Attenuation estimation on phantoms—a stability test. He P, et al. **Ultrason Imaging** 1986 Jan;8(1):1–10
Texture of B-mode echograms: 3-D simulations and experiments of the effects of diffraction and scatterer density. Oosterveld BJ, et al. **Ultrason Imaging** 1985 Apr; 7(2):142–60
Quantitative tests of a three-dimensional gray scale texture model. Zagzebski JA, et al. **Ultrason Imaging** 1985 Jul; 7(3):252–63
Accuracy of a pulse-echo boundary tomogram. Archer-Hall JA, et al. **Ultrasonics** 1986 Jan;24(1):36–40
Adaptive filtering for reduction of speckle in ultrasonic pulse-echo images. Bamber JC, et al. **Ultrasonics** 1986 Jan; 24(1):41–4
Ultrasound '82. Proceedings of the third meeting of the World Federation for Ultrasound in Medicine and Biology. Brighton, England, July 1982. Fifth World Congress of Ultrasound in Medicine and Biology. **Ultrasound Med Biol** 1983;Suppl 2:1–638
Mixing Apple microcomputer graphics for ultrasound scan measurement. Allan W, et al. **Ultrasound Med Biol** 1985 May–Jun;11(3):487–90
Ultrasonography in hepatosplenic schistosomiasis. Arafa NM, et al. **Ultrasound Med Biol** 1983;Suppl 2:477–84
Hypertrophied muscular bands in the region of the foramen of Bochdalek as a cause for an accessory fissure within the liver. Arenson AM, et al. **Ultrasound Med Biol** 1985 May–Jun;11(3):461–5
Neurological maturation of the human fetus. Awoust J, et al. **Ultrasound Med Biol** 1983;Suppl 2:583–7
Doppler ultrasound assessment of the femoro-popliteal segment: comparison of different methods using ROC curve analysis. Baker AR, et al. **Ultrasound Med Biol** 1986 Jun;12(6):473–82
Ultrasound exposure in diagnostic echography. Barnett SB, et al. **Ultrasound Med Biol** 1983;Suppl 2:41–4
Influence of spectral broadening on continuous wave Doppler ultrasound spectra: a geometric approach. Bascom PA, et al. **Ultrasound Med Biol** 1986 May;12(5):387–95
Doppler waveform analysis and percutaneous dilatation of arteries in ischaemia of the lower limb. Bird DR, et al. **Ultrasound Med Biol** 1983;Suppl 2:253–5
On the theoretical basis for an application of the nonlinear acoustics as a tool for tissue identification. Bjørnø, et al. **Ultrasound Med Biol** 1983;Suppl 2:167–71
Ultrasonographic findings in portal hypertension: correlation with the presence and size of oesophageal varices. Bolondi L, et al. **Ultrasound Med Biol** 1983;Suppl 2:499–503
Echography in hepatic angiomas. Bruneton JN, et al. **Ultrasound Med Biol** 1983;Suppl 2:485–7
Differential diagnosis of arterial disease of the lower limb using Doppler ultrasound. Campbell WB, et al. **Ultrasound Med Biol** 1983;Suppl 2:257–62
The role of ultrasonography and ultrasound guided biopsy in the management of patients with cold nodules of the thyroid. Ciatti S, et al. **Ultrasound Med Biol** 1983;Suppl 2:387–91
Serial maternal nephrosonography in pregnancy. Cietak K, et al. **Ultrasound Med Biol** 1983;Suppl 2:521–6
Spectral variations in tissues and phantoms. Flax SW, et al. **Ultrasound Med Biol** 1983;Suppl 2:127–31
Sonographic depiction of the endometrium during normal cycles. Fleischer AC, et al. **Ultrasound Med Biol** 1986 Apr; 12(4):271–7
Ultrasonic features of portocaval and interposition mesocaval shunts. Forsberg L, et al. **Ultrasound Med Biol** 1983;Suppl 2:505–10
Characteristics of blood flow velocity in the hypertensive canine pulmonary artery. Frantz EG, et al. **Ultrasound Med Biol** 1986 May;12(5):379–85
Evaluation of cerebral blood flow in the normal neonate by Doppler spectrum analysis. Gray PH, et al. **Ultrasound Med Biol** 1983;Suppl 2:249–52
Ultrasonography as a new important potential in improving family planning service. Hamed el Affandi MH, et al. **Ultrasound Med Biol** 1983;Suppl 2:99–100
Application of statistical techniques to data obtained from Doppler ultrasound examination of the extracranial arteries. Hames TK, et al. **Ultrasound Med Biol** 1983;Suppl 2:243–8
Facts and fantasies about ultrasonography in the developing countries. Hosni M, et al. **Ultrasound Med Biol** 1983;Suppl 2:91–3
Ultrasonographic diagnosis and drainage in noncalculous acute cholecystitis following surgery. Ito T, et al. **Ultrasound Med Biol** 1983;Suppl 2:471–5
Noninvasive mapping of lower limb arterial lesions. Jager KA, et al. **Ultrasound Med Biol** 1985 May–Jun;11(3):515–21
Ultrasound '85: challenges and opportunities. Kossoff G. **Ultrasound Med Biol** 1986 Jan;12(1):3–4
Legal problems and the ultrasonically detected malformed fetus. Kurjak A, et al. **Ultrasound Med Biol** 1983;Suppl 2:33–6
Evaluation of frequency dependence of backscatter coefficient in normal and atherosclerotic aortic walls. Landini L, et al. **Ultrasound Med Biol** 1986 May; 12(5):397–401
The ultrasound diagnosis of testicular leukemia. Lupetin AR, et al. **Ultrasound Med Biol** 1983;Suppl 2:423–6
Aspects of the design of performance measuring test objects. McCarty K, et al. **Ultrasound Med Biol** 1983;Suppl 2:185–9
Role of the manufacturer in ultrasound education. McClary AR. **Ultrasound Med Biol** 1983;Suppl 2:77–8
Diagnostic ultrasound in obstetrics and gynaecology: how it differs in developing countries. Mahran M, et al. **Ultrasound Med Biol** 1983;Suppl 2:95–7
The use of ultrasound in the management of repeated abortions. Mahran M, et al. **Ultrasound Med Biol** 1983; Suppl 2:101–4
Ultrasonic characteristics of the small hepatocellular carcinoma. Makuuchi M, et al. **Ultrasound Med Biol** 1983; Suppl 2:489–91
Doppler frequency ratio and peak frequency in the assessment of carotid artery disease: a comparative study with angiography. Manga P, et al. **Ultrasound Med Biol** 1986 Jul;12(7):573–6
Ultrasound findings in urolithiasis in the lower ureter. Ohnishi K, et al. **Ultrasound Med Biol** 1986 Jul;12(7):577–9
The prognostic significance of fetal size in early diabetic (and normal?) pregnancy and in threatened abortion. Pedersen JF, et al. **Ultrasound Med Biol** 1983;Suppl 2:573–6
Ultrasound properties of lung tissue and their measurements. Pedersen PC, et al. **Ultrasound Med Biol** 1986 Jun; 12(6):483–99
Antenatal recognition of cerebral anomalies. Pilu G, et al. **Ultrasound Med Biol** 1986 Apr;12(4):319–26
Development of medical ultrasonics. Reid JM. **Ultrasound Med Biol** 1983;Suppl 2:3–7
Cardiovascular applications of multi-gate pulsed Doppler systems. Reneman RS, et al. **Ultrasound Med Biol** 1986 May;12(5):357–70 (50 ref.)
Age-related changes in carotid artery wall properties in men. Reneman RS, et al. **Ultrasound Med Biol** 1986 Jun; 12(6):465–71
Detection of renal artery stenosis: experimental and clinical analysis of velocity waveforms. Rittgers SE, et al. **Ultrasound Med Biol** 1985 May–Jun;11(3):523–31
Standardized ultrasonic valuation of diffuse liver diseases. Rizzatto G, et al. **Ultrasound Med Biol** 1983;Suppl 2:151–5
Legal suits involving ultrasound. Sanders RC. **Ultrasound Med Biol** 1983;Suppl 2:27–32
Ultrasonic diagnosis of malignant and benign human breast lesions. Schmidt W, et al. **Ultrasound Med Biol** 1983;Suppl 2:407–14
Frequency independent ultrasound contrast-detail analysis. Smith SW, et al. **Ultrasound Med Biol** 1985 May–Jun; 11(3):467–77
The use of Doppler ultrasonography for the evaluation of cerebral artery flow patterns in infants with congenital heart disease. Snider AR. **Ultrasound Med Biol** 1985 May–Jun;11(3):503–14
The assessment of changes in multiple cystic encephalomalacia with diagnostic ultrasound. Stannard MW, et al. **Ultrasound Med Biol** 1983;Suppl 2:363–6
Ultrasound in the study of atherosclerosis. Strandness DE Jr. **Ultrasound Med Biol** 1986 Jun;12(6):453–64 (63 ref.)
The medico-legal implications of ultrasound. Taylor JL. **Ultrasound Med Biol** 1983;Suppl 2:23–5
Ultrasound monitoring of fetal behaviour. Tuck SM. **Ultrasound Med Biol** 1986 Apr;12(4):307–17
Reduced error in double beam Doppler ultrasound flow velocity measurement [letter] Wang WQ, et al. **Ultrasound Med Biol** 1986 May;12(5):L413–4
Natural history of benign prostatic hypertrophy. Watanabe H. **Ultrasound Med Biol** 1986 Jul;12(7):567–71
Bibliography of biomedical ultrasound. No. 52. White E, et al. **Ultrasound Med Biol** 1986 Jan;12(1):55–75
Bibliography of biomedical ultrasound. No. 54. White E, et al. **Ultrasound Med Biol** 1986 May;12(5):419–40
Bibliography of biomedical ultrasound. No. 55. White E, et al. **Ultrasound Med Biol** 1986 Jun;12(6):525–40
Bibliography of biomedical ultrasound. No. 56. White E, et al. **Ultrasound Med Biol** 1986 Jul;12(7):587–96
Bibliography of biomedical ultrasound. No. 48. White E, et al. **Ultrasound Med Biol** 1985 May–Jun;11(3):541–50
Bibliography of biomedical ultrasound. No. 50. White E, et al. **Ultrasound Med Biol** 1985 Sep–Oct;11(5):761–86
Doppler spectral broadening and anomalous vessel wall movement in the study of atherosclerosis of the carotid arteries. Woodcock JP, et al. **Ultrasound Med Biol** 1983; Suppl 2:235–7
Comparative assessment of ultrasonography and computed tomography in adrenal disorders. Yamakita N, et al. **Ultrasound Med Biol** 1986 Jan;12(1):23–9
Delineation of adrenal in controls and nontumorous adrenal disorders by real-time ultrasonic-scanner. Yamakita N, et al. **Ultrasound Med Biol** 1986 Feb;12(2):107–14
Duplex scanning in presumably normal persons of different ages. Zbornikova V, et al. **Ultrasound Med Biol** 1986 May; 12(5):371–8
Ultrasonography of the upper genitourinary tract. Coleman BG. **Urol Clin North Am** 1985 Nov;12(4):633–44 (34 ref.)
Ultrasonography of the lower genitourinary tract. Rifkin MD. **Urol Clin North Am** 1985 Nov;12(4):645–56 (27 ref.)
Pre- and postnatal ultrasonographic diagnosis of congenital obstructive uropathies. Seeds JW, et al. **Urol Clin North Am** 1986 Feb;13(1):131–54 (55 ref.)
Renal candidiasis of the infant: ultrasound evaluation. Cohen HL, et al. **Urol Radiol** 1986;8(1):17–21
Noninvasive ultrasound in detecting and staging bladder carcinoma. Denkhaus H, et al. **Urol Radiol** 1985;7(3):121–31
Sonography of lung carcinoma metastatic to the kidney. Dershaw DD, et al. **Urol Radiol** 1985;7(3):146–9
Crossed fused renal ectopia: sonographic diagnosis. Goodman JD, et al. **Urol Radiol** 1986;8(1):13–6
Sonography in transitional cell carcinoma of the renal pelvis. Grant DC, et al. **Urol Radiol** 1986;8(1):1–5
Sonographic evaluation of the rejecting ureter. Hricak H, et al. **Urol Radiol** 1986;8(1):25–31
Ultrasonography of scrotal trauma. Schaffer RM. **Urol Radiol** 1985;7(4):245–9 (19 ref.)
Ultrasound evaluation of uncommon renal transplant complications. Stuck KJ, et al. **Urol Radiol** 1986;8(1):6–12
Sonography of infantile polycystic kidney disease. Wernecke K, et al. **Urol Radiol** 1985;7(3):138–45
Correlations between radiography, ultrasonography, computed tomography and pathologic findings in prostatic disease. Cariou G, et al. **Urology** 1985 Dec;26(6):599–602
Ultrasound evaluation of scrotum in pediatrics. Finkelstein MS, et al. **Urology** 1986 Jan;27(1):1–9
Diagnostic ultrasound of scrotum. Gutman H, et al. **Urology** 1986 Jan;27(1):72–5
Ultrasonic diagnosis of pregnancy [letter] Wicks BT. **Vet Rec** 1986 Jan 4;118(1):28
Ultrasonography in the diagnosis and management of biliary ascariasis. Clarke WF, et al. **West Indian Med J** 1985 Dec; 34(4):265–7
Sonographically documented disappearance of nonimmune hydrops fetalis associated with maternal hypertension. Robertson L, et al. **West J Med** 1985 Sep;143(3):382–3
Future use of new imaging technologies in developing countries. Report of a WHO Scientific Group. **WHO Tech Rep Ser** 1985;723:1–67 (358 ref.)
Intraoperative ultrasound and reoperative parathyroid surgery: an initial evaluation. Norton JA, et al. **World J Surg** 1986 Aug;10(4):631–9
[Relationship between placental maturity determined by ultrasound and fetal maturity in pregnant diabetics] Katsulov A, et al. **Akush Ginekol (Sofia)** 1986;25(2):24–7 (Eng. Abstr.) **(Bul)**
[Placental maturity determined by ultrasound in women pregnant with twins] Katsulov A, et al. **Akush Ginekol (Sofia)** 1986;25(2):20–4 (Eng. Abstr.) **(Bul)**
[Relationship between placental maturity established by ultrasound and fetal lung maturity in late toxicoses] Katsulov A, et al. **Akush Ginekol (Sofia)** 1986;25(3):24–7 (Eng. Abstr.) **(Bul)**
[Ultrasonic diagnosis in placental insufficiency] Mateeva E, et al. **Akush Ginekol (Sofia)** 1986;25(3):19–24 (Eng. Abstr.) **(Bul)**
[Ultrasonic diagnosis in cases of puerperal mastitis] Mateeva E, et al. **Akush Ginekol (Sofia)** 1985;24(5):33–9 (Eng. Abstr.) **(Bul)**
[Ultrasonic studies in fetal growth retardation] Ruseva R, et al. **Akush Ginekol (Sofia)** 1985;24(4):76–82 (65 ref.) (Eng. Abstr.) **(Bul)**
[Echography and computed axial tomography in the diagnosis of bladder tumors] Kumanov Kh, et al. **Khirurgiia (Sofiia)** 1986;39(2):38–41 (Eng. Abstr.) **(Bul)**
[Treatment of solitary kidney cysts by percutaneous puncture under echographic control] Kumanov Kh, et al. **Khirurgiia (Sofiia)** 1985;38(4):95–8 (Eng. Abstr.) **(Bul)**
[Comparison between scintigraphy and echography and the surgical findings in diseases of the hepatobiliopancreatic system] Manolov G, et al. **Khirurgiia (Sofiia)** 1985; 38(5):22–5 **(Bul)**
[Punctures of pancreatic cysts under echographic control] Merdzhanov A, et al. **Khirurgiia (Sofiia)** 1985;38(5):11–6 (Eng. Abstr.) **(Bul)**
[Percutaneous puncture of polycystic kidneys under echographic control] Panchev P, et al. **Khirurgiia (Sofiia)** 1985;38(5):63–5 **(Bul)**
[Diagnostic value of ultrasonic tomography in thyroid tumors] Kovacheva R, et al. **Vutr Boles** 1985;24(6):54–61 (22 ref.) **(Bul)**
[Real-time ultrasonic diagnosis of metastatic tumor thrombus in the inferior vena cava] He J. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Feb;20(1):31–2 (Eng. Abstr.) **(Chi)**
[Preliminary investigation on the ultrasonic diagnosis of the umbilical cord twined about the neck of the fetus (analysis of 18 cases)] Lian HJ. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Feb;20(1):33–4 (Eng. Abstr.) **(Chi)**
[Evaluation of ultrasonography in the diagnosis of intrathoracic mass lesions: an analysis of 82 pathologically proved cases] Liu R. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Apr;20(2):75–8 (Eng. Abstr.) **(Chi)**
[Real time B-mode ultrasound scan in the diagnosis of intussusception] Qiu JS. **Chung Hua Fang She Hsueh Tsa Chih** 1985 Dec;19(6):331–3 (Eng. Abstr.) **(Chi)**

[Roentgenography and real-time ultrasonography in the diagnosis of pleural mesothelioma and metastatic tumors] You JL. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Apr; 20(2):100–2 (Eng. Abstr.) (Chi)

[An analysis of B scan ultrasonic values on 210 fetuses near term] Ma GY. **Chung Hua Fu Chan Ko Tsa Chih** 1985 Jul; 20(4):213–4, 253 (Eng. Abstr.) (Chi)

[Evaluation of ultrasonography and hormonal monitoring in early abortion] Qian GY.
Chung Hua Fu Chan Ko Tsa Chih 1986 Jan;21(1):22–4, 60 (Eng. Abstr.) (Chi)

[Monitoring intrauterine fetal growth with B-mode ultrasound scanning] Zhang FR, et al.
Chung Hua Fu Chan Ko Tsa Chih 1985 Nov;20(6):324–5, 382 (Eng. Abstr.) (Chi)

[Detection of tricuspid insufficiency by ultrasound angiography via the brachial vein] Jiang L.
Chung Hua Hsin Hsueh Kuan Ping Tsa Chih 1984 Dec; 12(4):290–1 (Chi)

[Differential diagnosis of periampullary carcinoma by ultrasonography] Wang B.
Chung Hua I Hsueh Tsa Chih 1985 Nov;65(11):677–9 (Eng. Abstr.) (Chi)

[Ultrasonic diagnosis of cardiac carcinoma] Li JG, et al.
Chung Hua Wai Ko Tsa Chih 1986 Feb;24(2):101–3, 126 (Eng. Abstr.) (Chi)

[Ultrasonography in the diagnosis of pancreatic diseases] Wang B, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Dec; 23(12):712–4, 780 (Eng. Abstr.) (Chi)

[Diagnosis of splenic artery aneurysm by Doppler and real-time sonography—2 case reports] Chou YH, et al.
Taiwan I Hsueh Hui Tsa Chih 1985 Jun;84(6):747–50 (Eng. Abstr.) (Chi)

[Ultrasonographic diagnosis of fatty liver] Tam KM, et al.
Taiwan I Hsueh Hui Tsa Chih 1986 Jan;85(1):45–53 (Eng. Abstr.) (Chi)

[Abdominal ultrasonography with a Doppler flowmeter in the diagnosis of portal hypertension] Červinka J, et al.
Cas Lek Cesk 1986 May 8;125(19):582–5 (Eng. Abstr.) (Cze)

[Abdominal ultrasonography in the diagnosis of focal liver processes] Kaláb M, et al. **Cas Lek Cesk** 1986 Jun 27; 125(26):803–6 (Eng. Abstr.) (Cze)

[The significance of ultrasonography for the detection of outflow tract obstruction in transplanted kidneys] Marečková O, et al. **Cas Lek Cesk** 1986 Jun 27; 125(26):807–11 (Eng. Abstr.) (Cze)

[The reliability of clinical, hormonal and ultrasonic examination in the diagnosis of extrauterine pregnancy] Dejmek M, et al. **Cesk Gynekol** 1985 Nov;50(9):645–50 (Eng. Abstr.) (Cze)

[Ultrasonic screening in pregnancy] Karásková I, et al.
Cesk Gynekol 1985 Sep;50(8):547–50 (Cze)

[Contribution of ultrasonic diagnosis to the early diagnosis of pregnancy] Karásková I, et al. **Cesk Gynekol** 1985 Nov; 50(9):662–4 (Cze)

[The disappearing twin—a new phenomenon in ultrasonic diagnosis in pregnancy] Malý Z, et al. **Cesk Gynekol** 1986 Apr;51(3):147–9 (Eng. Abstr.) (Cze)

[Our experience up to this time with computer tomography in intra-ocular diseases. Comparison with ultrasonic diagnosis] Vlková E, et al. **Cesk Oftalmol** 1985 Sep; 41(5):311–8 (Eng. Abstr.) (Cze)

[Modern possibilities in the diagnosis of foreign bodies in ophthalmology] Vlková E, et al. **Cesk Oftalmol** 1985 Sep; 41(5):319–26 (Eng. Abstr.) (Cze)

[Correlation of miction cystourethrography with ultrasonic examination in children with urination disorders] Abraham J, et al. **Cesk Pediatr** 1986 Jul;41(7):389–93 (Eng. Abstr.) (Cze)

[Sonographic study of the head of neonates and infants using the SAL 20 (Thosiba) apparatus] Velemínský M, et al.
Cesk Pediatr 1986 Apr;41(4):208–11 (Eng. Abstr.) (Cze)

[Ultrasonic picture of non-parasitic liver cysts and pyogenic abscesses] Axmann K Jr, et al. **Cesk Radiol** 1985 Dec; 39(6):389–98 (Eng. Abstr.) (Cze)

[Possibilities of diagnosing cholecystolithiasis and cholecystitis using ultrasound] Ružek V, et al.
Cesk Radiol 1986 Feb;40(1):49–58 (Eng. Abstr.) (Cze)

[Doppler assessment of transvalvular pressure gradients in stenoses of the bicuspid valve and aorta] Nevrtal M, et al. **Vnitr Lek** 1986 Apr;32(4):316–27 (Eng. Abstr.) (Cze)

[The significance of doppler sonography in the diagnosis of extracranial occlusive disease of the carotid arteries] Ščudlová M, et al. **Vnitr Lek** 1986 Jul;32(7):700–6 (Eng. Abstr.) (Cze)

[Ultrasonically guided celiac blockade in chronic pancreatogenic pain] Halgreen M, et al. **Ugeskr Laeger** 1986 Jul 14;148(29):1828–30 (Eng. Abstr.) (Dan)

[The reliability of ultrasonic diagnosis in cholelithiasis. A prospective evaluation] Jensen F, et al. **Ugeskr Laeger** 1985 Sep 9;147(37):2913–5 (Eng. Abstr.) (Dan)

[Ultrasonic follow-up of obese patients operated on by stomach bypass] Lindholt J, et al. **Ugeskr Laeger** 1986 Jan 27;148(5):258–60 (Eng. Abstr.) (Dan)

[Ultrasonic scanning of IUD wearers with a string missing in the external orifice] Rasmussen F, et al.
Ugeskr Laeger 1986 Mar 24;148(13):768–70 (Eng. Abstr.) (Dan)

[Ultrasonic scanning after the legal termination of pregnancy with complications] Refn H. **Ugeskr Laeger** 1986 May 26; 148(22):1341–2 (Eng. Abstr.) (Dan)

[Echography and fertility studies] Hamilton CJ, et al.
Ned Tijdschr Geneeskd 1986 Jun 14;130(24):1100–3 (Dut)

[The value of echography in breast examinations] Meischke-de Jongh ML, et al. **Ned Tijdschr Geneeskd** 1985 Jul 13;129(28):1339–42 (Eng. Abstr.) (Dut)

[The lost IUD: don't look too far for it] Nijhuis JG, et al.
Ned Tijdschr Geneeskd 1985 Jul 27;129(30):1409–10 (Dut)

[Intramural hematomas of the small intestine while using oral coagulants (letter)] Vierhout RJ, et al.
Ned Tijdschr Geneeskd 1986 Mar 15;130(11):507 (Dut)

[Echography of the normal kidney in infants] Cobben JM, et al. **Tijdschr Kindergeneeskd** 1986 Apr;54(2):51–7 (Eng. Abstr.) (Dut)

[The enlarged kidney in infancy—echographic findings] Cobben JM, et al. **Tijdschr Kindergeneeskd** 1986 Apr; 54(2):57–64 (Eng. Abstr.) (Dut)

[Estimation of the size of the prostate using transabdominal suprapubic ultrasonography] Aito H, et al. **Duodecim** 1985; 101(20):1978–82 (Eng. Abstr.) (Fin)

[Ultrasound in the differential diagnosis of deep venous thrombosis of the leg] Aronen H, et al. **Duodecim** 1986; 102(3):157–61 (Eng. Abstr.) (Fin)

[Ultrasonic findings in hypoxic-ischemic encephalopathy of preterm and full-term infants] Ikonen RS. **Duodecim** 1986; 102(2):103–11 (Fin)

[Prenatal diagnosis of urinary tract malformations using routine ultrasonic diagnosis] Rosendahl H. **Duodecim** 1986; 102(4):225–34 (Eng. Abstr.) (Fin)

[Imaging technic in the diagnosis and treatment of occult infections] Taavitsainen M, et al. **Duodecim** 1986; 102(11):760–9 (Fin)

[Echography: its principles, its indications] Levi S.
Acta Belg Med Phys 1985 Jul–Sep;8(3):155–61 (Fre)

[Intra-operative echography in hepato-biliary surgery. Preliminary results] Gigot JF, et al.
Acta Gastroenterol Belg 1985 Jul–Aug;48(4):434–46 (Eng. Abstr.) (Fre)

[Value of echography in acute pancreatitis] Pietri H, et al.
Acta Gastroenterol Latinoam 1985;15(2):81–8 (Eng. Abstr.) (Fre)

[Indications and limitations of ultrasound and axial computed tomography in urologic oncology] Braeckman J, et al.
Acta Urol Belg 1985;53(3):514–9 (Eng. Abstr.) (Fre)

[Is intravenous urography still indispensable in the assessment of prostatic adenoma?] Thiry AJ, et al. **Acta Urol Belg** 1985;53(3):609–17 (Eng. Abstr.) (Fre)

[Contribution of echocardiography and Holter monitoring to the diagnosis of occult sources of cerebral embolism] Boissonnot L, et al. **Ann Cardiol Angeiol (Paris)** 1985 Oct; 34(8):541–5 (Eng. Abstr.) (Fre)

[Radiologic and ultrasonic exploration of peritonitis in adults] Taboury J, et al. **Ann Chir** 1985 Dec;39(9):613–9 (Eng. Abstr.) (Fre)

[Basal cell nevus syndrome and ovarian fibroma in 2 sisters: value of systematic abdominal ultrasonic diagnosis] Guillet G, et al. **Ann Dermatol Venereol** 1985;112(12):997–1000 (Fre)

[Fasciolar hepatic abscesses: value of hepatic ultrasonography. Apropos of 3 cases] Karabinis A, et al.
Ann Med Interne (Paris) 1985;136(7):575–8 (Eng. Abstr.) (Fre)

[Neuro-cerebral malformation discovered during pregnancy and their treatment] Bourgeot P, et al.
Ann Pediatr (Paris) 1985 Oct;32(8):691–9 (Eng. Abstr.) (Fre)

[Hyperechogenicity of the renal medulla in the newborn] Sirinelli D, et al. **Ann Pediatr (Paris)** 1986 Mar;33(3):249–52 (Eng. Abstr.) (Fre)

[Ultrasonic symptomatology of parotid tumors and histo-ultrasonic correlations. Apropos of 70 cases] Castel JC, et al. **Ann Radiol (Paris)** 1985;28(5):360–4 (Eng. Abstr.) (Fre)

[Is ultrasonic diagnosis indispensable in thyroid pathology, in '85? Apropos of 201 cases] Giron J, et al.
Ann Radiol (Paris) 1986;29(1):44–55 (Eng. Abstr.) (Fre)

[Ultrasonic monitoring of the grafted kidney. Rejection crisis. Correlations with renal puncture-biopsy] Giron J, et al.
Ann Radiol (Paris) 1985;28(5):365–72 (Eng. Abstr.) (Fre)

[Association of parathyroid adenoma and thyroid adenocancer. Contribution of cervical ultrasonography apropos of 5 cases] Gremillet C, et al.
Ann Radiol (Paris) 1985;28(8):577–83 (Eng. Abstr.) (Fre)

[Shwachman's syndrome. Ultrasonic and x-ray computed tomographic aspects. Apropos of 3 cases] Hibon D, et al.
Ann Radiol (Paris) 1985;28(6):469–73 (Eng. Abstr.) (Fre)

[Heterogeneous fatty liver: ultrasonic variant or anatomic entity?] Laissy JP, et al. **Ann Radiol (Paris)** 1986;29(1):56–60 (Eng. Abstr.) (Fre)

[Calcifications in scrotal ultrasonography] Martin B.
Ann Radiol (Paris) 1985;28(8):637–44 (Eng. Abstr.) (Fre)

[A case of biliary cyst. Diagnostic contribution of pre- and postnatal ultrasonography] Plot C, et al.
Ann Radiol (Paris) 1985;28(7):554–6 (Eng. Abstr.) (Fre)

[Air in the portal system and mesenteric infarction. Value of ultrasonic examination. Apropos of a case] Porcel A, et al. **Ann Radiol (Paris)** 1985;28(8):615–7 (Eng. Abstr.) (Fre)

[Epidermoid cysts of the spleen in children. 2 cases diagnosed by ultrasonography and treated by partial splenectomy] Schmit P, et al. **Ann Radiol (Paris)** 1985;28(7):521–4 (Eng. Abstr.) (Fre)

[Percutaneous ultrasound-guided nephrostomy] Wimmer B, et al. **Ann Radiol (Paris)** 1985;28(7):527–32 (Eng. Abstr.) (Fre)

[Echography and fetal urinary malformations] Lepinard-Berbesson C. **Ann Urol (Paris)** 1986;20(4):225–32 (Eng. Abstr.) (Fre)

[Echography in urology. Why? By whom?] Vallancien G.
Ann Urol (Paris) 1985;19(5):295–6 (Fre)

[Radiological exploration of the inferior vena cava in nephroepithelioma] Wenger JJ, et al. **Ann Urol (Paris)** 1986; 20(2):142–5 (Eng. Abstr.) (Fre)

[The Doppler effect in ophthalmology] Rossazza C, et al.
Annee Ther Clin Ophtalmol 1984;35:117–39 (Eng. Abstr.) (Fre)

[Acute cholecystitis disclosing A virus hepatitis] Hermier M, et al. **Arch Fr Pediatr** 1985 Aug–Sep;42(7):525–9 (Eng. Abstr.) (Fre)

[Value of echography in the diagnosis of hematomas of the digestive tract wall in rheumatoid purpura] Le Luyer B, et al. **Arch Fr Pediatr** 1985 May;42(5):379–83 (Eng. Abstr.) (Fre)

[Ultrasonic diagnosis of periventricular leukomalacia in premature infants] Lequien P, et al. **Arch Fr Pediatr** 1985 Oct;42(8):691–4 (Eng. Abstr.) (Fre)

[Radiologic case of the month. Ultrasonic diagnosis of duodenal duplication in the neonatal period] Sirinelli D, et al. **Arch Fr Pediatr** 1986 Mar;43(3):203–4 (Fre)

[Quantification of carotid atheroma, by vascular ultrasonics and spectral analysis, after myocardial infarction. Apropos of 80 cases] Chaix AF, et al. **Arch Mal Coeur** 1985 Oct; 78(10):1486–92 (Eng. Abstr.) (Fre)

[The role of ultrasound in the diagnosis of traumatic hemoperitoneum] Vichard P, et al.
Bull Acad Natl Med (Paris) 1985 Apr;169(4):513–22 (Fre)

[Prostatic cancer: role of echography in the diagnosis, evaluation and surveillance] Fornage B.
Bull Cancer (Paris) 1985;72(5):442–51 (Eng. Abstr.) (Fre)

[Differential ultrasonic diagnosis of retinal and vitreous membranes] Arne JL, et al. **Bull Soc Ophtalmol Fr** 1984 Nov;84(11):1239–41 (Fre)

[Significance of Doppler effect in patients with glaucoma] Bechetoille A, et al. **Bull Soc Ophtalmol Fr** 1984 Nov; 84(11):1277–81 (Eng. Abstr.) (Fre)

[Value of x-ray computed tomography and echography for intraocular and intraorbital foreign bodies] François P, et al. **Bull Soc Ophtalmol Fr** 1985 Feb;85(2):219–21 (Fre)

[Value of ultrasonics in painful hip in children] Baunin C, et al. **Chir Pediatr** 1986;27(2):75–8 (Eng. Abstr.) (Fre)

[Pulmonary adenomatoid malformation. Prenatal diagnosis] Deffrenne P, et al. **Chir Pediatr** 1985;26(5):287–93 (Eng. Abstr.) (Fre)

[Measurement of femoral anteversion in children by ultrasonics] Fournet-Fayard J, et al. **Chir Pediatr** 1986; 27(2):79–83 (Eng. Abstr.) (Fre)

[Testicular exploration by Doppler ultrasonography in children. Importance, indications, limitations. Apropos of 90 cases] Valla JS, et al. **Chir Pediatr** 1985;26(6):351–5 (Eng. Abstr.) (Fre)

[Ultrasonic study of the hips in neonatal and infant luxation] Bensahel H, et al. **Chirurgie** 1985;111(8):688–91 (Eng. Abstr.) (Fre)

[The value of ultrasonic diagnosis in hepato-biliary-pancreatic pathology in black Africans in Dakar (preliminary study apropos of 100 cases)] Levy P, et al. **Dakar Med** 1984;29(1):127–33 (Eng. Abstr.) (Fre)

[Peroperative ultrasound scanning of the pancreas] Alexandre JH, et al. **Gastroenterol Clin Biol** 1985 Aug–Sep; 9(8–9):572–7 (Eng. Abstr.) (Fre)

[Pancreatic cystadenoma: diagnostic value of ultrasonics and x-ray computed tomography] Algard M, et al.
Gastroenterol Clin Biol 1986 Jan;10(1):23–8 (Eng. Abstr.) (Fre)

[Surgical treatment of hepatocellular carcinoma in cirrhosis. Value of peroperative ultrasonography] Belghiti J, et al.
Gastroenterol Clin Biol 1986 Mar;10(3):244–7 (Eng. Abstr.) (Fre)

[Echographic aspects of 2 cases of Vater's ampulloma (letter)] Blangy S, et al. **Gastroenterol Clin Biol** 1986 Mar; 10(3):277–8 (Fre)

[Percutaneous drainage of intra-abdominal abscesses guided by real-time ultrasonography] Bonnel D, et al.
Gastroenterol Clin Biol 1985 Nov;9(11):824–8 (Eng. Abstr.) (Fre)

[Post-stress nonlithiasic acute cholecystitis. Contribution of ultrasonics to the diagnosis and treatment in 50 cases] Langlois P, et al. **Gastroenterol Clin Biol** 1986 Mar; 10(3):238–43 (Eng. Abstr.) (Fre)

[Ultrasonics in the monitoring of portasystemic anastomoses] Marucci MM, et al. **Gastroenterol Clin Biol** 1986 Jan; 10(1):49–52 (Eng. Abstr.) (Fre)

[Ultrasonics in the diagnosis of carcinoma of the extrahepatic bile ducts (letter)] Roche J, et al.
Gastroenterol Clin Biol 1986 Apr;10(4):365–6 (Fre)

[Cystic lymphangioma of the lesser omentum: diagnostic value of ultrasonics (letter)] Roget L, et al.
Gastroenterol Clin Biol 1986 Jan;10(1):91–2 (Fre)

[Contribution of echography to the diagnosis of cystic lymphangiomas in children] Cornil AM, et al.
J Belge Radiol 1985;68(2):119–24 (Eng. Abstr.) (Fre)

[Peroperative ultrasonics and hepatic metastases (letter)] Elias

D, et al. **J Chir (Paris)** 1985 May;122(5):357–8 (Fre)
[Has prenatal ultrasonic diagnosis modified the prognosis of intestinal atresia? Results of a multicenter study] Battin J, et al. **J Genet Hum** 1985 Dec;33(5):463–8 (Eng. Abstr.) (Fre)
[Echo–anatomy of the fetal brain. Morphological markers of development. Significance in the detection of malformations] Droullé P. **J Genet Hum** 1985 Sep; 33(3–4):231–46 (Eng. Abstr.) (Fre)
[Morphological study of the removed fetus after therapeutic abortion for echographic anomalies (apropos of 42 cases)] Serville F, et al. **J Genet Hum** 1985 Sep;33(3–4):301–12 (Eng. Abstr.) (Fre)
[Correlations between pregnancy pathology, study of the placenta, antenatal echography and examination of the product of conception in a series of 175 congenital malformations] Stoll C, et al. **J Genet Hum** 1985 Sep; 33(3–4):247–56 (Eng. Abstr.) (Fre)
[Ultrasound in gynecology and obstetrics] **J Gynecol Obstet Biol Reprod (Paris)** 1985;14 Suppl:19–23 (Fre)
[Ectopia cordis: early echographic diagnosis in utero] de Rochambeau B, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(1):99–103 (Eng. Abstr.) (Fre)
[Echographic evaluation of non–immunologic feto–placental anasarca. A series of 24 cases] Elkhazen N, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(1):87–97 (Eng. Abstr.) (Fre)
[Prenatal echographic diagnosis of fetoplacental anasarca] Nguyen The H, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1985;14(8):1005–10 (Eng. Abstr.) (Fre)
[The evaluation of the risk of spontaneous abortion at various stages of pregnancy. Study of overall risk and of normal ultrasound pregnancy] Oberweis D, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1985;14(5):563–6 (Eng. Abstr.) (Fre)
[Congenital agenesis of the inferior vena cava. Apropos of a case presenting as an ilio–femoral phlebitis. Contribution of echography and x–ray computed tomography] Manouvrier J, et al. **J Mal Vasc** 1985;10(3):235–9 (Eng. Abstr.) (Fre)
[Tissue identification of carotid lesions using ultrasound] Sentou Y, et al. **J Mal Vasc** 1985;10(2):153–7 (Eng. Abstr.) (Fre)
[Venous ultrasound in current angiology practice] Tanitte M, et al. **J Mal Vasc** 1985;10(2):165–71 (Eng. Abstr.) (Fre)
[Desmoid tumor of the abdominal wall. Echographic and CT aspects] Agostini S, et al. **J Radiol** 1985 Aug–Sep; 66(8–9):531–3 (Eng. Abstr.) (Fre)
[Acute intestinal intussusception in infants and children and abdominal ultrasonography] Arnaud O, et al. **J Radiol** 1986 Feb;67(2):135–6 (Eng. Abstr.) (Fre)
[Acute intestinal invagination. Ultrasonic aspects] Bersani D, et al. **J Radiol** 1985 Nov;66(11):739–42 (Eng. Abstr.) (Fre)
[Pseudotumoral and subacute pathology of the epididymis. Contribution of ultrasonics] Brauner M, et al. **J Radiol** 1985 Nov;66(11):721–4 (Eng. Abstr.) (Fre)
[Combined analysis by echography and biology in bile duct dilatation. Value in etiologic diagnosis] Brauner M, et al. **J Radiol** 1985 Aug–Sep;66(8–9):515–8 (Eng. Abstr.) (Fre)
[Ultrasonic evaluation of the urinary tract in patients with spinal cord injuries. Systematic comparison with intravenous urography in 50 cases] Chagnon S, et al. **J Radiol** 1985 Dec;66(12):801–6 (Eng. Abstr.) (Fre)
[Comparison between ultrasonic and x–ray computed tomographic measurements of femoral antetorsion in children] Gormand E, et al. **J Radiol** 1985 Dec; 66(12):789–92 (Eng. Abstr.) (Fre)
[Neonatal ultrasonic detection of medullary nephrocalcinosis associated with Butler–Albright distal tubular acidosis. Apropos of a case] Hassan M, et al. **J Radiol** 1985 Nov; 66(11):689–91 (Eng. Abstr.) (Fre)
[Ultrasonic diagnosis in scrotal pathology. Apropos of 137 tests] Lapras V, et al. **J Radiol** 1986 Feb;67(2):127–33 (Eng. Abstr.) (Fre)
[Primary lymphoma of the liver: an uncommon disease. Ultrasonic and x–ray computed tomographic aspects. Apropos of a case with review of the literature] Legmann P, et al. **J Radiol** 1985 Oct;66(10):599–602 (Eng. Abstr.) (Fre)
[Gallbladder pathology in the Ivory Coast. Contribution of ultrasonics] Léonetti P, et al. **J Radiol** 1985 Jun–Jul; 66(6–7):459–62 (Eng. Abstr.) (Fre)
[Renal oncocytoma. Contribution of echography and computed tomography to the preoperative diagnosis. Apropos of a case] Macrez M, et al. **J Radiol** 1985 Aug–Sep;66(8–9):541–6 (Eng. Abstr.) (Fre)
[Value of the sitting position for studying suprahepatic veins by ultrasonography] Meziou S, et al. **J Radiol** 1985 Dec; 66(12):825–7 (Eng. Abstr.) (Fre)
[Congenital cystic dilatation of the common bile duct in adults. Apropos of a case diagnosed ultrasonically] Morel M, et al. **J Radiol** 1986 Jan;67(1):31–4 (Eng. Abstr.) (Fre)
[Left inferior vena cava. Ultrasonic diagnosis] Ollier P, et al. **J Radiol** 1986 Feb;67(2):145–7 (Eng. Abstr.) (Fre)
[The ultrasonic image in gallbladder lithiasis: the capped–chimney–rock image (letter)] Ozgüven O, et al. **J Radiol** 1985 Jun–Jul;66(6–7):481 (Fre)
[Diagnosis of renal, peri– and para–renal infections. Contribution of ultrasonics and x–ray computed tomography. Apropos of 10 cases] Pharaboz C, et al. **J Radiol** 1985 Nov;66(11):703–9 (Eng. Abstr.) (Fre)
[Value of ultrasonography in the diagnosis of cirrhoses. Prospective study of 128 patients] Richard P, et al. **J Radiol** 1985 Aug–Sep;66(8–9):503–6 (Eng. Abstr.) (Fre)
[Hematoma of the psoas. Comparative diagnostic contributions of ultrasonography and x–ray computed tomography] Rivasseau T, et al. **J Radiol** 1985 Nov; 66(11):731–4 (Eng. Abstr.) (Fre)
[Peroperative spinal cord ultrasonography in neurosurgery] Rouffiange B, et al. **J Radiol** 1986 Jan;67(1):17–21 (Eng. Abstr.) (Fre)
[Non–traumatic myositis ossificans. Ultrasonic and x–ray computed tomographic aspects. Apropos of a case] Roy C, et al. **J Radiol** 1985 Jun–Jul;66(6–7):473–5 (Eng. Abstr.) (Fre)
[Ultrasonography of seminal vesicles by the suprapubic approach. Value of their study in prostatic pathology] Sauvain JL, et al. **J Radiol** 1985 Nov;66(11):711–9 (Eng. Abstr.) (Fre)
[Ultrasonography in the study of prostatic pathology] Michel JR, et al. **J Urol (Paris)** 1985;91(8):483–97 (25 ref.) (Fre)
[Peroperative ultrasonics in excision of renal and ureteral calculi by the surgical approach. Apropos of 30 cases] Plainfosse MC, et al. **J Urol (Paris)** 1985;91(3):167–74 (Eng. Abstr.) (Fre)
[Functional evaluation of temporo–sylvian anastomoses by ultrasonic transcutaneous flow measurement] Lapierre F, et al. **Neurochirurgie** 1985;31(5):395–9 (Eng. Abstr.) (Fre)
[Echographic aspects of blood clots] Fauvel G. **Phlebologie** 1986 Jan–Mar;39(1):123–34 (Eng. Abstr.) (Fre)
[Comparative study of the clinical examination and the Doppler examination of the external saphenous vein: apropos of 191 cases] Megret G. **Phlebologie** 1985 Jul–Sep; 38(3):469–73 (Eng. Abstr.) (Fre)
[Importance of Doppler ultrasound tomography in medical treatment of external saphenous veins] Schadeck M. **Phlebologie** 1986 Apr–Jun;39(2):431–44 (Eng. Abstr.) (Fre)
[Value of intraoperative ultrasonography and the extemporaneous assay of insulin during surgery of insulinoma (letter)] Archambeaud–Mouveroux F, et al. **Presse Med** 1986 May 31;15(22):1044–5 (Fre)
[Echographic thickening of the gallbladder wall in a child. Adverse effects of umbilical catheterization (letter)] Belloir A, et al. **Presse Med** 1984 Mar 10;13(10):623–4 (Fre)
[Hepatic localization of Horton's disease or secondary cancer of the liver. Value of ultrasonic surveillance under corticotherapy (letter)] Biel P, et al. **Presse Med** 1986 May 17;15(20):931 (Fre)
[Volvulus of the gallbladder. Value of ultrasonic diagnosis (letter)] Carrelet T, et al. **Presse Med** 1986 May 24; 15(21):983 (Fre)
[Hemolytic–uremic syndrome in children. Prognostic value of ultrasonography in cases of cortical necrosis (letter)] Cochat P, et al. **Presse Med** 1986 Feb 1;15(4):163 (Fre)
[Popliteal artery entrapment. Contribution of ultrasonography] Cormier JM, et al. **Presse Med** 1985 Dec 14;14(43):2183–5 (Eng. Abstr.) (Fre)
[Ultrasonics for evaluating fetal well–being (letter)] de Montmarin JL, et al. **Presse Med** 1986 Jan 11;15(1):33 (Fre)
[Etiological diagnosis of gynecomastia. Value of testicular ultrasonography (letter)] Garcin JM, et al. **Presse Med** 1986 Jun 28;15(26):1241 (Fre)
[Renal hyperechogenicity associated with an obstructive urologic disease in the newborn infant. A case] Gouyon JB, et al. **Presse Med** 1986 May 24;15(21):969–70 (Eng. Abstr.) (Fre)
[Air–filled bile ducts: an ultrasonic diagnosis (letter)] Menu Y, et al. **Presse Med** 1986 May 31;15(22):1048 (Fre)
[Ultrasonic diagnosis of fetal supraventricular tachycardia (letter)] Mounac M, et al. **Presse Med** 1985 Nov 30; 14(41):2106 (Fre)
[Sonography in the diagnosis and surveillance of acute rhabdomyolysis (letter)] Sauvain JL, et al. **Presse Med** 1985 Oct 26;14(36):1885–6 (Fre)
[Pigmented villonodular synovitis. Value of ultrasonic diagnosis and x–ray computed tomography (letter)] Taillan B, et al. **Presse Med** 1986 Feb 15;15(6):260 (Fre)
[Measurement of antetorsion of the femoral neck by ultrasonics. Comparison with x–ray computed tomography] Clarac JP, et al. **Rev Chir Orthop** 1985;71(6):365–8 (Eng. Abstr.) (Fre)
[Utero–ovarian echography during normal development and in sexual precocity] Battin J, et al. **Rev Fr Gynecol Obstet** 1986 May;81(5):291–5 (Eng. Abstr.) (Fre)
[Influence of echography on the psychological course of pregnancy] Tourrette C, et al. **Rev Fr Gynecol Obstet** 1986 Mar;81(3):149–56 (Eng. Abstr.) (Fre)
[Retrieval of oocytes under echocardiographic monitoring] Lejeune B, et al. **Rev Med Brux** 1986 Jun;7(6):357–60 (Eng. Abstr.) (Fre)
[New diagnostic imaging: ultrasonic diagnosis] Peetrons P, et al. **Rev Med Brux** 1986 Apr;7(4):235–41 (Eng. Abstr.) (Fre)
[Prenatal diagnosis of urinary tract malformations: therapeutic approach] Schulman CC, et al. **Rev Med Brux** 1985 Oct;6(8):543–51 (Eng. Abstr.) (Fre)
[Cerebral ultrasonography of the newborn infant: indications, diagnosis and practical recommendations] Fawer CL, et al. **Rev Med Suisse Romande** 1985 Nov;105(11):1025–34 (Fre)
[Value and limitations of ultrasonic diagnosis in pneumology] Henneghien C, et al. **Rev Pneumol Clin** 1986;42(1):1–7 (Eng. Abstr.) (Fre)
[Muscular ultrasonic diagnosis. Etiological approach to various backaches] Drevet JG, et al. **Rev Rhum Mal Osteoartic** 1985 Jun;52(6):397–402 (Eng. Abstr.) (Fre)
[Cervical echography: evaluation of the lymphatic spread of cancers of the upper aerodigestive tract. Preliminary results] Scheffer P, et al. **Rev Stomatol Chir Maxillofac** 1985;86(6):366–8 (Eng. Abstr.) (Fre)
[Ultrasonic studies and indications for angiography. Comparative study of 547 carotid arteries] Rohr J, et al. **Schweiz Arch Neurol Psychiatr** 1986;137(2):45–62 (Eng. Abstr.) (Fre)
[The role of ultrasonography in the diagnosis of diffuse liver disease] Berrut C, et al. **Schweiz Med Wochenschr** 1986 Feb 15;116(7):215–8 (Eng. Abstr.) (Fre)
[Cancer of the ovary: ultrasonic–surgical comparison] Haddouk B, et al. **Tunis Med** 1985 Nov;63(11):627–31 (Eng. Abstr.) (Fre)
[Ultrasonic and surgical correlates in abdominal hydatid cysts: apropos of 50 primary cases studied by ultrasonics 1983–84] Kehila M, et al. **Tunis Med** 1985 Oct;63(10):545–8 (Eng. Abstr.) (Fre)
[Significance of ultrasound study in accident surgery] Lorenz G, et al. **Aktuel Traumatol** 1985 Oct;15(5):187–94 (Eng. Abstr.) (Ger)
[Ultrasound–guided fine needle biopsy in tumor diagnosis] Kleinau H, et al. **Arch Geschwulstforsch** 1986;56(1):39–43 (Eng. Abstr.) (Ger)
[Sonography of 2 unusual extramedullary plasmacytomas] Bachmayer K. **Digitale Bilddiagn** 1986 Mar;6(1):31–4 (Eng. Abstr.) (Ger)
[Chronic periduodenitis as a sonographic mass in the region of the pancreas head] Bachmayer K, et al. **Digitale Bilddiagn** 1985 Sep;5(3):151–3 (Eng. Abstr.) (Ger)
[Abdominal abscess—diagnostic progress via sonography and computed tomography] Gerlach A, et al. **Digitale Bilddiagn** 1986 Mar;6(1):18–24 (Eng. Abstr.) (Ger)
[Clinical significance of sonographically detected splenomegaly] Doll M, et al. **Dtsch Med Wochenschr** 1986 Jun 6;111(23):887–91 (Eng. Abstr.) (Ger)
[Preoperative diagnosis of cystic parathyroid adenoma by ultrasonic–guided fine–needle puncture and parathormone determination] Düber C, et al. **Dtsch Med Wochenschr** 1986 Jun 13;111(24):943–5 (Eng. Abstr.) (Ger)
[Medullary thyroid carcinoma. Results of a family screening program] Kotzerke J, et al. **Dtsch Med Wochenschr** 1986 Jul 25;111(30):1140–3 (Eng. Abstr.) (Ger)
[Diagnosis of inflammatory and tumorous changes of the large intestine using colonic sonography] Limberg B. **Dtsch Med Wochenschr** 1986 Aug 22;111(34):1273–6 (Eng. Abstr.) (Ger)
[Sonographic diagnosis of arterial occlusive disease] Mergelsberg M, et al. **Dtsch Med Wochenschr** 1986 Jul 4; 111(27):1055–8 (Eng. Abstr.) (Ger)
[Candida abscesses in the liver and spleen. The sonographic and computed tomographic morphology] Schmidt H, et al. **Dtsch Med Wochenschr** 1986 May 23;111(21):816–20 (Eng. Abstr.) (Ger)
[Unexpected findings during abdominal sonography. Their incidence and clinical significance] Schölmerich J, et al. **Dtsch Med Wochenschr** 1986 May 23;111(21):807–11 (Eng. Abstr.) (Ger)
[Ultrasound–guided fine–needle puncture in the diagnosis and therapy of liver and spleen abscesses] Schwerk WB, et al. **Dtsch Med Wochenschr** 1986 May 30;111(22):847–53 (Eng. Abstr.) (Ger)
[Ultrasonic diagnosis of bile duct diseases. Value and possibilities] Seitz K. **Dtsch Med Wochenschr** 1985 Oct 4; 110(40):1539–42 (Ger)
[Early diagnosis of congenital hip luxation by ultrasonic examination (letter)] Tönnis D. **Dtsch Med Wochenschr** 1985 Oct 18;110(42):1632 (Ger)
[The CO2 test for the diagnosis of hemodynamically critical carotid artery stenoses with transcranial Doppler sonography (letter)] Widder B. **Dtsch Med Wochenschr** 1985 Oct 4;110(40):1553 (Ger)
[Treatment of children with omphalocele and gastroschisis. Surgical tactical and technical consequences of prenatal and intraoperative sonography] Pistor G, et al. **Fortschr Med** 1986 Jul 10;104(26):519–21 (Eng. Abstr.) (Ger)
[Thyroid gland diagnosis with image–producing procedures. 1: Ultrasound] Rummeny E, et al. **Fortschr Med** 1985 Dec 5;103(45):1035–40 (Eng. Abstr.) (Ger)
[Echography findings in choroid melanoblastomas following ruthenium therapy] Hasenfratz G. **Fortschr Ophthalmol** 1985;82(5):453–6 (Eng. Abstr.) (Ger)

[Sonographic detection and consequences of prenatally recognizable abnormalities] Gieren SC, et al. **Geburtshilfe Frauenheilkd** 1985 Oct;45(10):719–23 (Eng. Abstr.) (Ger)

[Prenatal sonographic diagnosis of a cystic coccygeal teratoma with retroperitoneal extension] Goldhofer W, et al. **Geburtshilfe Frauenheilkd** 1986 Feb;46(2):121–3 (Eng. Abstr.) (Ger)

[Sonographic diagnosis of holoprosencephaly in the 2d trimester] Holzgreve W, et al. **Geburtshilfe Frauenheilkd** 1985 Nov;45(11):813–4 (Eng. Abstr.) (Ger)

[Prognostic significance of biochemical and sonographic findings in hemorrhage in early pregnancy] Kowatsch AW, et al. **Geburtshilfe Frauenheilkd** 1986 Feb;46(2):98–101 (Eng. Abstr.) (Ger)

[Sonographic evaluation of the amount of amniotic fluid. I. Polyhydramnios—significance for the course of pregnancy and labor] Leucht W, et al. **Geburtshilfe Frauenheilkd** 1986 Mar;46(3):157–61 (Eng. Abstr.) (Ger)

[Prenatal ultrasonic diagnosis of severe congenital microcephaly] Litschgi M. **Geburtshilfe Frauenheilkd** 1986 Apr;46(4):250–2 (Eng. Abstr.) (Ger)

[Changes in the diagnosis and therapy of extrauterine pregnancy with special emphasis on ultrasound. Study at the Gynecologic Clinic of the Düsseldorf University, 1962–1983] Müller JE, et al. **Geburtshilfe Frauenheilkd** 1986 Apr;46(4):221–7 (Eng. Abstr.) (Ger)

[Length of the uterine cervix toward the end of pregnancy—a sonographic study] Pfersmann C, et al. **Geburtshilfe Frauenheilkd** 1986 Apr;46(4):213–4 (Eng. Abstr.) (Ger)

[Sonography in early pregnancy from the viewpoint of the pregnant patient] Ringler M, et al. **Geburtshilfe Frauenheilkd** 1985 Oct;45(10):724–6 (Eng. Abstr.) (Ger)

[Sonographic diagnosis of severe fetal malformations] Schmidt W, et al. **Geburtshilfe Frauenheilkd** 1985 Aug; 45(8):511–24 (143 ref.) (Eng. Abstr.) (Ger)

[Ultrasonic diagnosis of a fetal lung cyst] Schramm T, et al. **Geburtshilfe Frauenheilkd** 1986 Feb;46(2):118–20 (Eng. Abstr.) (Ger)

[Sonographic diagnosis of fetal development disorders at the 1st Gynecologic Clinic of the Munich University 1984] Schramm T, et al. **Geburtshilfe Frauenheilkd** 1985 Oct; 45(10):714–8 (Eng. Abstr.) (Ger)

[Epignathus, a rare twin malformation] Sevelda P, et al. **Geburtshilfe Frauenheilkd** 1985 Aug;45(8):572–3 (Eng. Abstr.) (Ger)

[Ultrasonographic early diagnosis of placenta praevia and its clinical value] Zanke S. **Geburtshilfe Frauenheilkd** 1985 Oct;45(10):710–3 (Eng. Abstr.) (Ger)

[Diagnostic progress in malignant melanomas by high-resolution real-time sonography] Kraus W, et al. **Hautarzt** 1985 Jul;36(7):386–92 (Eng. Abstr.) (Ger)

[Radiological elucidation studies in biliary tract diseases] Fuchs WA. **Helv Chir Acta** 1986 Apr;52(6):771–4 (Eng. Abstr.) (Ger)

[High-resolution real-time sonography in salivary gland diseases. II: Salivary gland tumors] Schroeder HG, et al. **HNO** 1985 Nov;33(11):511–6 (Eng. Abstr.) (Ger)

[High-resolution real-time sonography in salivary gland diseases. I: Inflammatory diseases] Schwerk WB, et al. **HNO** 1985 Nov;33(11):505–10 (Eng. Abstr.) (Ger)

[Ultrasound diagnosis of the paranasal sinuses] Zenner HP. **HNO** 1985 Dec;33(12):534–40 (Eng. Abstr.) (Ger)

[Echographic findings in cyclitis annularis pseudotumorosa and ring melanoma of the ciliary body] Scherer U, et al. **Klin Monatsbl Augenheilkd** 1985 Nov;187(5):455–6 (Eng. Abstr.) (Ger)

[Results of ultrasonic, computer tomography and clinical findings for the detection of abdominal involvement in Hodgkin's disease in childhood—a retrospective statistical analysis of 145 patients in the therapeutic study DAL-HD-82] Schellong G, et al. **Klin Padiatr** 1986 May–Jun;198(3):147–54 (Eng. Abstr.) (Ger)

[Ultrasound diagnosis as a complement to sialography] Schadel A, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Mar; 65(3):138–42 (Eng. Abstr.) (Ger)

[B-mode sonography of the neck. Comparison of results of sonography, computer tomography and pathomorphology] Westhofen M, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Aug;64(8):409–17 (Eng. Abstr.) (Ger)

[Sonographic diagnosis of focal lesions of the liver] Swobodnik W. **Leber Magen Darm** 1986 May;16(3):153–68 (Ger)

[Imaging procedures and follow-up in pediatric surgical diseases] Brands W, et al. **Monatsschr Kinderheilkd** 1986 Jun;134(6):360–4 (Eng. Abstr.) (Ger)

[Prenatally diagnosed fetal hydrothorax] Harms E, et al. **Monatsschr Kinderheilkd** 1985 Sep;133(9):701–3 (Eng. Abstr.) (Ger)

[Diagnostic value of sonography in vesico-ureteral reflux in infancy and childhood] Hofmann V, et al. **Monatsschr Kinderheilkd** 1985 Nov;133(11):834–9 (Eng. Abstr.) (Ger)

[Sonographic findings in postpartum adrenal hemorrhage] Langer R, et al. **Monatsschr Kinderheilkd** 1985 Nov; 133(11):818–22 (Eng. Abstr.) (Ger)

[Sonographic findings in Tamm-Horsfall nephropathy in a newborn infant] Schneider K, et al. **Monatsschr Kinderheilkd** 1985 Aug;133(8):548–9 (Ger)

[Value of lymphography, computer tomography and ultrasound in the diagnosis of infradiaphragmatic malignant lymphomas in children] Winkler P, et al. **Monatsschr Kinderheilkd** 1985 Nov;133(11):823–7 (Eng. Abstr.) (Ger)

[Sonography for early detection and diagnosis of malignancy] Schillinger H. **Onkologie** 1985 Oct;8(5):264–70 (Eng. Abstr.) (Ger)

[Sonographic demonstration of an unusual bladder wall enlargement in a child with non-Hodgkin lymphoma] Ponhold W, et al. **Padiatr Padol** 1985;20(4):397–402 (Eng. Abstr.) (Ger)

[Ultrasonic tomography for documenting pregnancy-related changes in the kidney] Behm A, et al. **Radiol Diagn (Berl)** 1985;26(4):523–8 (Eng. Abstr.) (Ger)

[Sonographic diagnosis of the gastrointestinal tract] Dinkel E, et al. **Radiologe** 1986 Mar;26(3):144–53 (Eng. Abstr.) (Ger)

[Bacterial and abacterial inflammatory kidney diseases. Diagnostic value of the sonographic determination of kidney volume] Dinkel E, et al. **Radiologe** 1986 Jun; 26(6):273–9 (Eng. Abstr.) (Ger)

[Sonographic, clinical and surgical correlations in the diagnosis and control of the course of tongue infiltrations] Frühwald F, et al. **Radiologe** 1985 Oct;25(10):483–7 (Eng. Abstr.) (Ger)

[Pancreatic pseudoaneurysm and spurious aneurysm of the splenic artery—diagnosis by angio-CT and ultrasound] Gamroth A, et al. **Radiologe** 1986 Feb;26(2):73–5 (Eng. Abstr.) (Ger)

[Echinococcus cysticus of the liver—sonographically a solid tumor] Grosser G, et al. **Radiologe** 1985 Sep;25(9):442–4 (Eng. Abstr.) (Ger)

[Sonography of adrenal gland diseases] Günther RW. **Radiologe** 1986 Apr;26(4):174–80 (Eng. Abstr.) (Ger)

[Present status and limits of sonography in the diagnosis of hypertrophic pyloric stenosis] Langer R, et al. **Radiologe** 1985 Aug;25(8):396–9 (Eng. Abstr.) (Ger)

[Nonvisualization of the gallbladder lumen by sonography] Leitner H, et al. **Radiologe** 1985 Aug;25(8):392–5 (Eng. Abstr.) (Ger)

[5MHz realtime sonography of the breast. 2. Examination technic and diagnostic value] Teubner J, et al. **Radiologe** 1985 Oct;25(10):457–67 (Eng. Abstr.) (Ger)

[Picture documentation in ultrasonic diagnosis] Zabel HJ, et al. **Radiologe** 1985 Oct;25(10):474–82 (Eng. Abstr.) (Ger)

[Pancreas divisum as a possible cause of misinterpretation in ERCP, computed tomography, sonography and MDP] Brambs HJ, et al. **ROFO** 1986 Mar;144(3):273–7 (Eng. Abstr.) (Ger)

[Intraoperative sonographic demonstration of intraspinal tumors] Dewes W, et al. **ROFO** 1986 May;144(5):558–61 (Eng. Abstr.) (Ger)

[Experiences with a modified nephrostomy instrument kit in ultrasound-guided kidney fistulization] Dewes W, et al. **ROFO** 1986 Jan;144(1):80–2 (Eng. Abstr.) (Ger)

[Portal vein aneurysm. Sonographic and computerized tomographic diagnosis] Fahrendorf G, et al. **ROFO** 1986 Jun;144(6):732–4 (Ger)

[Computed tomographic and sonographic detection of renal and perirenal changes following shockwave lithotripsy] Grote R, et al. **ROFO** 1986 Apr;144(4):434–9 (Eng. Abstr.) (Ger)

[Magnetic resonance tomography of focal liver lesions in comparison with computed tomography and sonography] Hamm B, et al. **ROFO** 1986 Mar;144(3):278–86 (Eng. Abstr.) (Ger)

[Non-invasive imaging procedures in the diagnosis and control of therapy of varicoceles. 2. Importance of thermography and sonography for therapy control following sclerotherapy of varicoceles] Hamm B, et al. **ROFO** 1986 Jun;144(6):665–9 (Eng. Abstr.) (Ger)

[Noninvasive imaging procedures in the diagnosis and therapy control of varicoceles. I: Sonography and thermography in the diagnosis of varicoceles] Hamm B, et al. **ROFO** 1986 May;144(5):561–6 (Eng. Abstr.) (Ger)

[Computerized tomography and sonography in the diagnosis of recurrent colorectal tumors] Hollmann JP, et al. **ROFO** 1985 Dec;143(6):665–71 (Eng. Abstr.) (Ger)

[Sonography and computed tomography before and after liver resection and transplantation] Köster O, et al. **ROFO** 1986 Jan;144(1):56–62 (Eng. Abstr.) (Ger)

[Results of real-time sonography and raster mammography of 200 breast cancers] Majewski A, et al. **ROFO** 1986 Mar; 144(3):343–50 (Eng. Abstr.) (Ger)

[Diagnosis of deep venous thrombosis of the leg. Phlebofluorography versus Doppler sonography] Maurer HJ. **ROFO** 1986 Feb;144(2):196–8 (Eng. Abstr.) (Ger)

[Real-time sonography in the diagnosis and follow-up of malignant tongue tumors. I.Anatomic basis] Neuhold A, et al. **ROFO** 1985 Dec;143(6):640–4 (Eng. Abstr.) (Ger)

[Experimental studies on the sonographic image of the cruciate ligament] Röhr E. **ROFO** 1985 Oct;143(4):467–8 (Ger)

[Value of ultrasonography in the diagnosis of bladder tumors] Rózsahegyi J, et al. **ROFO** 1985 Oct;143(4):431–7 (Eng. Abstr.) (Ger)

[Potentialities and limitations of sonographic diagnosis of the chest in childhood] Schneider K, et al. **ROFO** 1986 May; 144(5):546–51 (Eng. Abstr.) (Ger)

[Sonography and nuclear spin tomography of hourglass neurinomas] Terwey B, et al. **ROFO** 1986 Mar;144(3):361–2 (Ger)

[Sonography of the irradiated breast] Thiel C. **ROFO** 1986 Mar;144(3):351–7 (Eng. Abstr.) (Ger)

[Echographic findings in gallbladder empyema] van Bergen AN, et al. **ROFO** 1985 Sep;143(3):297–300 (Eng. Abstr.) (Ger)

[Results of a comparative study of MR, CT and sonography of patients with primary hyperparathyroidism] Vogl T, et al. **ROFO** 1986 Aug;145(2):167–72 (Eng. Abstr.) (Ger)

[Therapeutic results of ultrasonically-guided kidney cyst punctures] Wernecke K, et al. **ROFO** 1985 Nov; 143(5):553–6 (Eng. Abstr.) (Ger)

[Image analysis in hip sonography. Classification criteria] Zieger M, et al. **ROFO** 1986 Jul;145(1):57–60 (Eng. Abstr.) (Ger)

[Diagnosis of Arnold-Chiari deformity in the newborn infant] Bliesener JA. **Rontgenblatter** 1985 Oct;38(10):305–11 (Eng. Abstr.) (Ger)

[Comparison between sonography and intravenous pyelography in follow-up controls in recurring urinary tract infections] Brockmann WP, et al. **Rontgenblatter** 1985 Oct;38(10):332–6 (Eng. Abstr.) (Ger)

[Intraoperative sonography to localize a kidney tumor] Denkhaus H, et al. **Rontgenblatter** 1986 Jun;39(6):143–5 (Eng. Abstr.) (Ger)

[Width of the lumen of the common bile duct: sonography compared with ERCP] Freise J, et al. **Rontgenblatter** 1985 Aug;38(8):241–3 (Eng. Abstr.) (Ger)

[The use of sonography in the diagnosis of pathological changes in the mouth floor and tongue region] Frühwald F, et al. **Rontgenblatter** 1985 Oct;38(10):312–6 (Eng. Abstr.) (Ger)

[Sonographic diagnosis of an aneurysm of the superior mesenteric artery] Furtschegger A, et al. **Rontgenblatter** 1986 Jan;39(1):10–1 (Eng. Abstr.) (Ger)

[Sonographic localization of a bullet in the pericardium] Gritzmann N, et al. **Rontgenblatter** 1986 May;39(5):125–6 (Eng. Abstr.) (Ger)

[Value of sonography following pancreas transplantation] Helweg G, et al. **Rontgenblatter** 1986 Aug;39(8):222–6 (Eng. Abstr.) (Ger)

[Quantitative determination of diaphragmatic motility using ultrasound. Comparison with pulmonary function test parameters and thoracic radiography] Helzel MV, et al. **Rontgenblatter** 1985 Aug;38(8):248–52 (Eng. Abstr.) (Ger)

[Ultrasound study of the portal vascular system in the puerperium] Kaemmerer H, et al. **Rontgenblatter** 1985 Aug; 38(8):244–7 (Eng. Abstr.) (Ger)

[Phlebography versus Doppler sonography for follow-up of venous thromboses of the legs] Maurer HJ, et al. **Rontgenblatter** 1986 May;39(5):121–4 (Eng. Abstr.) (Ger)

[Sonographic imaging of the posterior cruciate ligament] Röhr E. **Rontgenblatter** 1985 Dec;38(12):377–9 (Eng. Abstr.) (Ger)

[Sonographic follow-up of a 2-stage renal rupture] Stampfel G, et al. **Rontgenblatter** 1986 May;39(5):114–6 (Eng. Abstr.) (Ger)

[Diagnosis of varicocele: comparative studies using Doppler sonography and phlebography of the internal spermatic vein] Bähren W, et al. **Rontgenpraxis** 1986 May;39(5):151–8 (Ger)

[Ultrasonographic finding of sludge in the gallbladder—clinical correlations] Päivänsalo M, et al. **Rontgenpraxis** 1986 Jan;39(1):21–3 (Ger)

[Comparative studies using sonography and hypotonic duodenography in chronic pancreatitis for differential diagnostic purposes] Sildiroglu AI. **Rontgenpraxis** 1985 Jul; 38(7):242–9 (Ger)

[Postprandial hyperemia of the superior mesenteric artery] Jäger K, et al. **Schweiz Med Wochenschr** 1985 Dec 14; 115(50):1826–9 (Eng. Abstr.) (Ger)

[Peri-intraventricular hemorrhage in premature infants. Diagnosis by real-time ultrasound] Amato M, et al. **Schweiz Rundsch Med Prax** 1985 Nov 12;74(46):1283–5 (Eng. Abstr.) (Ger)

[Diagnosis of liver hemangioma using sonographically guided puncture] Brambs HJ, et al. **Schweiz Rundsch Med Prax** 1985 Oct 8;74(41):1113–4 (Eng. Abstr.) (Ger)

[Diseases of the choledochus—analysis of 50 cases] Eichenberger J, et al. **Schweiz Rundsch Med Prax** 1985 Oct 8;74(41):1115–6 (Eng. Abstr.) (Ger)

[Abdominal sonography] Kremer H. **Schweiz Rundsch Med Prax** 1985 Oct 8;74(41):1100–3 (Eng. Abstr.) (Ger)

[Value of abdominal sonography and laparoscopy in the diagnosis of primary hepatocellular cancer] Regli J, et al. **Schweiz Rundsch Med Prax** 1985 Oct 8;74(41):1109–11 (Eng. Abstr.) (Ger)

[Ultrasonics and ovulation] Hackelöer BJ. **Ther Umsch** 1985 Jul;42(7):452–9 (Eng. Abstr.) (Ger)

[Has intrauterine surgery using ultrasound a future?] Bonilla-Musoles F, et al. **Ultraschall Med** 1985 Aug; 6(4):208–14 (Eng. Abstr.) (Ger)

[Thrombosis of the umbilical vein in the ultrasound image—pathological findings and review of the literature] Bonilla-Musoles F, et al. **Ultraschall Med** 1985 Dec; 6(6):346–50 (Eng. Abstr.) (Ger)

[Sonographic diagnosis of hypertrophic pyloric stenosis in childhood] Deeg KH, et al. **Ultraschall Med** 1985 Dec; 6(6):320–4 (Eng. Abstr.) (Ger)

[Diagnosis of extensive dissections of the thoracic aorta by 2-D echography] Engberding R, et al. **Ultraschall Med** 1985 Dec;6(6):308–11 (Eng. Abstr.) (Ger)

[7 MHz real-time sonography of the skeletal musculature in Duchenne muscular dystrophy] Forst R, et al. **Ultraschall Med** 1985 Dec;6(6):336–40 (Eng. Abstr.) (Ger)

[Extrauterine pregnancy: sonographic criteria and their clinical value] Goldhofer W, et al. **Ultraschall Med** 1985 Aug;6(4):194–9 (Eng. Abstr.) (Ger)

[Sonographic detection of thromboses of the renal veins and vena cava in adenocarcinoma of the kidney] Hofmann R, et al. **Ultraschall Med** 1985 Dec;6(6):312–5 (Eng. Abstr.) (Ger)

[Histologically controlled ultrasound findings in the transplanted kidney] Kathrein H, et al. **Ultraschall Med** 1985 Dec;6(6):316–9 (Eng. Abstr.) (Ger)

[Quality control in obstetrical ultrasound diagnosis] Kratochwil A. **Ultraschall Med** 1985 Oct;6(5):265–9 (Eng. Abstr.) (Ger)

[Diagnosis and therapy of fetal kidney and urinary tract malformations] Maurer G, et al. **Ultraschall Med** 1985 Aug; 6(4):173–81 (Eng. Abstr.) (Ger)

[Amniocentesis under permanent ultrasonic control—advantages of a special procedure] Müller-Holve W, et al. **Ultraschall Med** 1985 Aug;6(4):200–7 (Eng. Abstr.) (Ger)

[Comparison of prostate sonography and the corresponding large-area histological section] Penkert A, et al. **Ultraschall Med** 1986 Feb;7(1):17–20 (Eng. Abstr.) (Ger)

[Results of ultrasonically-guided biopsy of the prostate] Penkert A. **Ultraschall Med** 1986 Feb;7(1):21–4 (Eng. Abstr.) (Ger)

[Development of the fetal lateral ventricles and their sonographic identification during pregnancy. I] Prenzlau P, et al. **Ultraschall Med** 1985 Aug;6(4):215–20 (Eng. Abstr.) (Ger)

[Sonographic positioning of the Shaw central Silastic floating catheter] Rösiger A, et al. **Ultraschall Med** 1985 Dec; 6(6):328–30 (Eng. Abstr.) (Ger)

[Sonographically controlled preparation for biopsy of the small intestine with the Watson capsule—significantly decreased radiation burden] Rösiger A, et al. **Ultraschall Med** 1985 Dec;6(6):325–7 (Eng. Abstr.) (Ger)

[Prenatal ultrasonic diagnosis of achondroplasia] Schlotter CM, et al. **Ultraschall Med** 1985 Aug;6(4):229–32 (Eng. Abstr.) (Ger)

[Sonography of a mesenteric lymphangioma] Schmidt H, et al. **Ultraschall Med** 1985 Dec;6(6):331–2 (Eng. Abstr.) (Ger)

[Sonographic detection and clinical studies in the spontaneous passage of bile duct calculi] Schneider H, et al. **Ultraschall Med** 1986 Jun;7(3):114–6 (Eng. Abstr.) (Ger)

[Sonographically demonstrable changes following percutaneous kidney biopsy] Schwaighofer B, et al. **Ultraschall Med** 1986 Feb;7(1):44–7 (Eng. Abstr.) (Ger)

[Aneurysms of the abdominal aorta: possibilities and limits of sonography] Seemann WR, et al. **Ultraschall Med** 1985 Dec;6(6):303–7 (Eng. Abstr.) (Ger)

[Accuracy of prenatal weight estimation using ultrasound in the case of birth weights less than 2000 grams] Steiner R, et al. **Ultraschall Med** 1985 Aug;6(4):221–5 (Eng. Abstr.) (Ger)

[Sonography of gallbladder calculi: possibilities and limits in the selection of gallstone patients suitable for conservative lysis] Swobodnik W, et al. **Ultraschall Med** 1986 Jun;7(3):117–22 (Eng. Abstr.) (Ger)

[Chorionic epithelioma of the testis in the ultrasonic image] Wagner W, et al. **Ultraschall Med** 1986 Feb;7(1):48–9 (Eng. Abstr.) (Ger)

[Evaluation of tumorous parotid gland diseases by sonography] Wagner W, et al. **Ultraschall Med** 1985 Dec; 6(6):341–5 (Eng. Abstr.) (Ger)

[The significance of nephrosonography for the early recognition of kidney tumors] Warnecke MU, et al. **Ultraschall Med** 1986 Feb;7(1):3–6 (Eng. Abstr.) (Ger)

[Sonographic detection of intracystic breast tumors] Weiss H, et al. **Ultraschall Med** 1985 Aug;6(4):233–6 (Eng. Abstr.) (Ger)

[Ultrasonic diagnosis of postoperative hematomas. Indications for early surgical treatment] Knopp W, et al. **Unfallchirurg** 1986 Jul;89(7):293–9 (Eng. Abstr.) (Ger)

[Doppler sonography and phlebography in the detection of hemodynamically different varicocele types] Gall H, et al. **Urologe [A]** 1986 May;25(3):147–52 (Eng. Abstr.) (Ger)

[Renal tumor diagnosis with ultrasound and CT] Heckemann R, et al. **Urologe [A]** 1985 Sep;24(5):243–52 (Eng. Abstr.) (Ger)

[Nonbulky nonseminomas: N-staging value of image-producing study procedures with reference to possible surveillance management] Tradowsky M, et al. **Urologe [A]** 1986 May;25(3):160–3 (Eng. Abstr.) (Ger)

[Imaging diagnosis in echinococcosis of the liver] Lotritsch KH, et al. **Wien Klin Wochenschr** 1986 Mar 7;98(5):146–51 (Eng. Abstr.) (Ger)

[Addison's disease with enlarged adrenal glands in sonography and computer tomography. Differential diagnostic considerations based on 2 cases of tuberculous adrenalitis] Renner F, et al. **Wien Klin Wochenschr** 1986 Apr 18;98(8):244–9 (Eng. Abstr.) (Ger)

[Nephrology for general practice—sonographic findings] Judmaier G. **Wien Med Wochenschr** 1986 Jan 31; 136(1-2):11–6 (Eng. Abstr.) (Ger)

[Possibilities and limits of ultrasound tomography in extrahepatic cholestasis. 2: Diagnosis of occlusion etiology] Wermke W. **Z Arztl Fortbild (Jena)** 1985;79(16):675–80 (Ger)

[Value of biochemical and imaging procedures for the diagnosis and prognosis of acute pancreatitis—results of a prospective clinical study] Büchler M, et al. **Z Gastroenterol** 1986 Feb;24(2):100–9 (Eng. Abstr.) (Ger)

[Intraoperative sonography in surgical diseases of the liver] Klotter HJ, et al. **Z Gastroenterol** 1985 Jul;23(7):381–9 (Eng. Abstr.) (Ger)

[Breech childbirth—obstetrical and antepartum ultrasonography findings] Boos R, et al. **Z Geburtshilfe Perinatol** 1985 May–Jun;189(3):130–5 (Eng. Abstr.) (Ger)

[Syndrome of the absent umbilical cord in ultrasound] Goldhofer W, et al. **Z Geburtshilfe Perinatol** 1985 Sep–Oct; 189(5):241–3 (Eng. Abstr.) (Ger)

[Combined B image Doppler sonography—measurements in the in vitro model and in fetal vessels] Kaesemann H, et al. **Z Geburtshilfe Perinatol** 1986 Feb–Mar;190(1):43–8 (Eng. Abstr.) (Ger)

[Prenatal ultrasonic diagnosis of jejunal atresia] Voigt HJ, et al. **Z Geburtshilfe Perinatol** 1985 May–Jun;189(3):144–6 (Eng. Abstr.) (Ger)

[Ultrasonic early diagnosis of osteogenesis imperfecta: a case report] von Rechenberg KN. **Z Geburtshilfe Perinatol** 1985 Nov–Dec;189(6):268–70 (Eng. Abstr.) (Ger)

[Use of B-image sonography in abdominal vascular diagnosis] Bittersohl A, et al. **Z Gesamte Inn Med** 1985 Jul 15; 40(14):424–7 (Eng. Abstr.) (Ger)

[Determination of the blood pressure index with Doppler sonography—a method for the ambulatory control of late results following vascular reconstruction] Burger P, et al. **Z Gesamte Inn Med** 1985 Aug 15;40(16):495–6 (Eng. Abstr.) (Ger)

[Sonographic studies in the differential diagnosis of thyroid diseases] Wünsche A, et al. **Z Gesamte Inn Med** 1986 Jan 1;41(1):10–2 (Eng. Abstr.) (Ger)

[Paradoxical constellations in Doppler sonographic reflux diagnosis] Hübner HJ, et al. **Z Hautkr** 1985 Dec 1; 60(23):1843–6, 1849 (Eng. Abstr.) (Ger)

[High-resolution real-time sonography in the evaluation of local lymphatic metastases in malignant melanomas] Kraus W, et al. **Z Hautkr** 1986 Jan;61(1-2):9–12 (Eng. Abstr.) (Ger)

[The diameter of arterial and venous abdominal vessels during acute and chronic administration of nitrates. A sonographic study] Schneider W, et al. **Z Kardiol** 1986 May; 75(5):296–302 (Eng. Abstr.) (Ger)

[Consequences from prenatal sonography of urinary tract abnormalities] dell'Agnola CA, et al. **Z Kinderchir** 1985 Dec;40(6):338–40 (Eng. Abstr.) (Ger)

[Ultrasonic diagnosis in orthopedics] Woltering H. **Z Orthop** 1985 May–Jun;123(3):416–9 (Eng. Abstr.) (Ger)

[Kidney sonography in childhood in chronic recurring pyelonephritis without a urinary transport disorder] Trappe BO, et al. **Z Urol Nephrol** 1986 Jan;79(1):1–4 (Eng. Abstr.) (Ger)

[Renal sonography in childhood. Normal findings] Trappe BO, et al. **Z Urol Nephrol** 1985 Dec;78(12):641–7 (Eng. Abstr.) (Ger)

[Cholelithiasis in the sonogram] Barndt J. **Zentralbl Chir** 1985;110(20):1276–81 (Ger)

[Roentgen computer tomography and sonography in thyroid gland diagnosis] Pfannenstiel P, et al. **Zentralbl Chir** 1985; 110(18):1105–14 (Eng. Abstr.) (Ger)

[Aggressive fibromatoses. Treatment concept and results with special reference to ultrasound diagnosis] Sinkwitz KD, et al. **Zentralbl Chir** 1986;111(5):261–6 (Eng. Abstr.) (Ger)

[Prenatal diagnosis of thoracopagus in the 19th week of pregnancy] Intödy Z, et al. **Zentralbl Gynakol** 1986; 108(1):57–61 (Eng. Abstr.) (Ger)

[Sonographically detectable changes in placental structures in pregnancy. 5. Statistical comparison of the frequency distribution of placental stages 0-3 in newborn infants in a pregnancy of less than 37 weeks duration] Lückert G, et al. **Zentralbl Gynakol** 1986;108(7):406–7 (Eng. Abstr.) (Ger)

[Sonographically detectable changes in placental structures in pregnancy. 4. Statistical comparison of the frequency distribution of placental stages 0-3 in newborn infants in a pregnancy of 37-42 weeks duration] Lückert G, et al. **Zentralbl Gynakol** 1986;108(7):403–5 (Eng. Abstr.) (Ger)

[Sonographically detectable changes in placental structures in pregnancy. 6. Effect of sonographic placental morphology on premature labor and intrauterine growth retardation] Lückert G, et al. **Zentralbl Gynakol** 1986; 108(7):408–10 (Eng. Abstr.) (Ger)

[Real time ultrasound in the diagnosis of false route during uterine curettage] Ben-Ami M, et al. **Harefuah** 1985 Jun 16;108(12):589–90 (Eng. Abstr.) (Heb)

[Ultrasonic examination in the diagnosis of cholelithiasis and cholecystitis] Kaplan O, et al. **Harefuah** 1985 Sep; 109(5–6):120–2 (Eng. Abstr.) (Heb)

[A study of uteroplacental blood flow using pulsed Doppler ultrasound] Meizner I, et al. **Harefuah** 1985 Dec 1; 109(11):317–9 (Eng. Abstr.) (Heb)

[The value of ultrasonography in the staging of Hodgkin's disease] Pines A, et al. **Harefuah** 1985 Oct;109(7–8):206–7 (Heb)

[Ultrasound diagnosis of fetal malformations] Shalev E, et al. **Harefuah** 1986 Mar 16;110(6):277–8 (Eng. Abstr.) (Heb)

[Congenital malformation detection by routine ultrasound examinations in pregnancy] Yagel S, et al. **Harefuah** 1985 Nov;109(9):228–30 (Eng. Abstr.) (Heb)

[The role of sonography in the diagnosis of abdominal aneurysm (letter)] **Orv Hetil** 1986 Apr 6;127(14):859– (Hun)

[Significance of a new tumor marker (CA 19-9) in the differential diagnosis of pathological changes in the pancreas detected by ultrasonic diagnosis] Bohár L, et al. **Orv Hetil** 1985 Oct 13;126(41):2525–7 (Eng. Abstr.) (Hun)

[Ultrasonic study of the adrenal gland] Gönczi J, et al. **Orv Hetil** 1985 Nov 24;126(47):2911–4 (Eng. Abstr.) (Hun)

[Prenatal ultrasonic diagnosis of a developmental heart defect and Down syndrome] Intödy Z, et al. **Orv Hetil** 1985 Dec 29;126(52):3207–9 (Eng. Abstr.) (Hun)

[Ultrasonic follow-up studies of the role of biparietal and thoracic diameters, as well as placental maturity, in the diagnosis of growth retardation] Kovács L, et al. **Orv Hetil** 1985 Dec 1;126(48):2951–2, 2955–6 (Eng. Abstr.) (Hun)

[Intraoperative localization of kidney stones by real-time ultrasound] Nádas G. **Orv Hetil** 1986 Jan 19;127(3):147–9 (Eng. Abstr.) (Hun)

[Incrustation of the IUD, demonstrated by ultrasonography] Patai K, et al. **Orv Hetil** 1986 May 25;127(21):1253–5 (Eng. Abstr.) (Hun)

[Possibilities of real-time sonography in the diagnosis of acute complications of aneurysm of the abdominal aorta] Regöly-Mérei J, et al. **Orv Hetil** 1986 Jan 19;127(3):139–43 (Eng. Abstr.) (Hun)

[Ultrasonic anatomy of the fetal heart and great vessels] Varga P, et al. **Orv Hetil** 1986 Mar 23;127(12):689–92 (Eng. Abstr.) (Hun)

[Comparative enzyme- and ultrasonic studies in acute pancreatitis] Zulik R, et al. **Orv Hetil** 1985 Nov 24; 126(47):2907–9 (Eng. Abstr.) (Hun)

[Milk of calcium renal lithiasis: uro-echographic evaluation] Ferrozzi F, et al. **Acta Biomed Ateneo Parmense** 1985; 56(4–5):201–5 (Eng. Abstr.) (Ita)

[Clinical indications of echographic study during the use of intrauterine devices (IUD)] Trentadue R, et al. **Acta Biomed Ateneo Parmense** 1985;56(4–5):221–4 (Eng. Abstr.) (Ita)

[Reliability of echotomography in the study of latero-cervical masses] Rossi M, et al. **Acta Otorhinolaryngol Ital** 1986 Jan–Feb;6(1):79–86 (Eng. Abstr.) (Ita)

[The role of echography in the diagnosis of extrauterine pregnancy] Kustermann A, et al. **Ann Ostet Ginecol Med Perinat** 1985 May–Jun;106(3):156–9 (Eng. Abstr.) (Ita)

[Correlation between monodimensional echocardiography and Doppler ultrasonography in noninvasive evaluation of aortic insufficiency] Neri G, et al. **Cardiologia** 1982; 27(8):807–12 (Ita)

[Indications and role of ultrasonography, transhepatic percutaneous cholangiography and endoscopic retrograde cholangiography in obstructive pathology of the distal choledochus] Albanese V, et al. **Chir Ital** 1984 Oct; 36(5):792–801 (Eng. Abstr.) (Ita)

[Diagnostic up-date in thrombosis of the portal vein] Scicolone G, et al. **Chir Ital** 1985 Dec;37(6):640–50 (Eng. Abstr.) (Ita)

["Wandering spleen": preoperative diagnosis by echotomography of the abdomen (review of the literature and report of a case)] Scicolone G, et al. **Chir Ital** 1986 Feb;38(1):72–9 (Eng. Abstr.) (Ita)

[Echography of neuromuscular diseases] Lipparini M, et al. **Chir Organi Mov** 1985 Oct–Dec;70(4):331–6 (Eng. Abstr.) (Ita)

[Echotomography in subcutaneous lesions of Achilles tendon] Reverberi S, et al. **Chir Organi Mov** 1985 Apr–Jun; 70(2):127–31 (Eng. Abstr.) (Ita)

[Comparison between computerized tomography and echotomography in the study of hepatic hydatidosis] Boni L, et al. **Clin Ter** 1985 Aug 31;114(4):331–5 (Eng. Abstr.) (Ita)

[Prevalence of atherosclerotic lesions of the carotid bifurcation found with echo-doppler (duplex) technic in patient candidates for aortocoronary bypass] Lusiani L, et al. **G Ital Cardiol** 1986 Feb;16(2):103–13 (Eng. Abstr.) (Ita)

[Study of cerebro-vascular pathology in the newborn infant using Doppler and frequency analysis. Preliminary results] Belcaro G, et al. **Minerva Cardioangiol** 1985 Sep; 33(9):515–8 (Eng. Abstr.) (Ita)

[Correlations between risk factors and morphology of carotid atherosclerotic lesions studied with the Duplex-Scanner] Caruzzo C, et al. **Minerva Cardioangiol** 1986 Apr; 34(4):171–81 (Eng. Abstr.) (Ita)

[Role of real-time echotomography in the study of transient ischemic attacks in the carotids] Pignocchino P. **Minerva Cardioangiol** 1985 Oct;33(10):669–70 (Ita)

[Importance of real-time echotomography in the evaluation

of atheroma injuries in cervico-cerebral region] Pignocchino P. **Minerva Cardioangiol** 1985 Sep;33(9):581–2 (Ita)

[Echography in general surgery. Potentialities of this new diagnostic technic in abdominal emergencies] Beltrani B, et al. **Minerva Chir** 1986 Feb 28;41(3–4):119–23 (Eng. Abstr.) (Ita)

[Limitations of echotomography in the evaluation of cholestasis] Garretti L, et al. **Minerva Chir** 1986 Apr 30; 41(8):701–7 (Eng. Abstr.) (Ita)

[Role of real-time ultrasonic diagnosis in the study of transient ischemic attacks in the carotid area] Pignocchino P. **Minerva Chir** 1986 Feb 28;41(3–4):188–9 (Ita)

[Role of echography in the diagnostic approach to abdominal injuries] Sciannameo F, et al. **Minerva Chir** 1986 Jun 30; 41(11–12):981–3 (Eng. Abstr.) (Ita)

[Echography and extrauterine pregnancy] Alemanno MG, et al. **Minerva Ginecol** 1985 Sep;37(9):483–8 (Eng. Abstr.) (Ita)

[Echographic semeiotics and preterm labor] Bassini PA, et al. **Minerva Ginecol** 1986 Apr;38(4):277–80 (Eng. Abstr.) (Ita)

[Possibilities and limitations of placental echography] Bilardo C. **Minerva Ginecol** 1985 Sep;37(9):489–92 (Eng. Abstr.) (Ita)

[Pathology of initial pregnancy: blighted ovum and vesicular mole] Bongiovanni A, et al. **Minerva Ginecol** 1985 Sep; 37(9):479–82 (Eng. Abstr.) (Ita)

[Echography as support for the modern invasive technics in obstetrics] Campogrande M, et al. **Minerva Ginecol** 1985 Sep;37(9):465–70 (Eng. Abstr.) (Ita)

[Echographic images of fetal visceral atony: limits between dysmorphism and dysfunction] Castaldi L, et al. **Minerva Ginecol** 1986 Jun;38(6):457–63 (Eng. Abstr.) (Ita)

[A rare case of thoracoabdominopagous twins of late diagnosis: obstetric management] Chiapponi R, et al. **Minerva Ginecol** 1985 Sep;37(9):497–500 (Eng. Abstr.) (Ita)

[Diagnosis of gestational age in the 20th week of pregnancy] Chiavazza F, et al. **Minerva Ginecol** 1986 Apr;38(4):281–4 (Eng. Abstr.) (Ita)

[Echotomographic diagnosis in a case of a rare genital malformation: uterus communicating with a double vagina one of which was uretic] Di Meglio A, et al. **Minerva Ginecol** 1986 Jun;38(6):469–72 (Eng. Abstr.) (Ita)

[Echographic monitoring of pathologic pregnancy in the first trimester: threatened abortion] Donadio S, et al. **Minerva Ginecol** 1985 Sep;37(9):475–7 (Eng. Abstr.) (Ita)

[Echographic diagnosis of fetal abnormalities: neural tube] Errante G, et al. **Minerva Ginecol** 1985 Sep;37(9):439–45 (Eng. Abstr.) (Ita)

[Fetal growth based on echographic bone parameters (BPD and LF)] Fasolino A, et al. **Minerva Ginecol** 1986 Jan–Feb; 38(1–2):71–3 (Eng. Abstr.) (Ita)

[Therapy in utero on a double monster: value of echography] Fasolino A, et al. **Minerva Ginecol** 1986 Jan–Feb; 38(1–2):67–70 (Eng. Abstr.) (Ita)

[Morphologic study of the development of the ovarian follicle in the normal menstrual cycle by ultrasound] Mangano U, et al. **Minerva Ginecol** 1985 Nov;37(11):691–4 (Eng. Abstr.) (Ita)

[Ultrasound in the diagnosis of adnexal tumefactions] Mangano U, et al. **Minerva Ginecol** 1985 Dec;37(12):779–82 (Eng. Abstr.) (Ita)

[Echographic picture of a case of prune belly syndrome] Mazzucco PL, et al. **Minerva Ginecol** 1986 Mar;38(3):135–7 (Eng. Abstr.) (Ita)

[The use of ultrasound in the evaluation of fetal well-being towards the end of the pregnancy] Menaldo G, et al. **Minerva Ginecol** 1985 Sep;37(9):493–6 (Eng. Abstr.) (Ita)

[Echographic diagnosis of fetal abnormalities: urinary tract] Pagliano M, et al. **Minerva Ginecol** 1985 Sep;37(9):447–51 (Eng. Abstr.) (Ita)

[Echography in the diagnosis of ovarian teratomas] Preziosi P, et al. **Minerva Ginecol** 1985 Dec;37(12):783–8 (Eng. Abstr.) (Ita)

[Echographic monitoring of the ovarian follicle] Struzziero E, et al. **Minerva Ginecol** 1986 Jun;38(6):465–8 (Eng. Abstr.) (Ita)

[The role of echography in cervico-segmental incontinence] Struzziero E, et al. **Minerva Ginecol** 1985 Oct; 37(10):597–600 (Eng. Abstr.) (Ita)

[Echographic diagnosis of fetal abnormalities: cardiovascular system] Todros T, et al. **Minerva Ginecol** 1985 Sep; 37(9):459–64 (Eng. Abstr.) (Ita)

[Echographic diagnosis of fetal abnormalities: gastrointestinal and skeletal systems] Viora E, et al. **Minerva Ginecol** 1985 Sep;37(9):453–8 (Eng. Abstr.) (Ita)

[Echo-guided percutaneous treatment of pancreatic pseudocysts] Campatelli A, et al. **Minerva Med** 1986 Mar 31;77(13):539–43 (Ita)

[Clinico-statistical considerations on the agreement between echographic and biopsy findings in hepatopathies of the diffuse type] Cusumano S, et al. **Minerva Med** 1986 May 12;77(20):889–92 (Eng. Abstr.) (Ita)

[Doppler ultrasound method in the study of vertigo syndrome] Deambrogio V, et al. **Minerva Med** 1986 Jun 30;77(27):1293–8 (Eng. Abstr.) (Ita)

[Echography in prenatal diagnosis of chorioangioma of the placenta] Karakaci F, et al. **Minerva Med** 1985 Nov 3; 76(42):1995–8 (Eng. Abstr.) (Ita)

[Aneurysm of the sinus of Valsalva and late rupture of the interventricular septum due to infective endocarditis. Is the two-dimensional echocardiography of endocarditic extension into the interventricular septum possible?] Pozzi R, et al. **Minerva Med** 1986 May 31;77(22–23):999–1003 (Eng. Abstr.) (Ita)

[Hepatic and splenic echography and scintigraphy in patients with beta-thalassemia given multiple transfusions] Agnello D, et al. **Minerva Pediatr** 1985 Sep 15;37(17):587–92 (Eng. Abstr.) (Ita)

[Demonstration of biliary lithiasis in sickle-cell anemia and thalassemia major using ultrasonics] Cottafava F, et al. **Minerva Pediatr** 1986 Jan 31;38(1–2):37–40 (Eng. Abstr.) (Ita)

[Echography or urography in prostatic adenoma pathology] Buffa G, et al. **Minerva Urol Nefrol** 1986 Jan–Mar; 38(1):9–10 (Eng. Abstr.) (Ita)

[Role of ultrasonographic diagnosis in cystic nephropathies] Di Paolo B, et al. **Minerva Urol Nefrol** 1985 Oct–Dec; 37(4):429–33 (Ita)

[Ultrasonographic study of renal cystic disease] Polito G, et al. **Minerva Urol Nefrol** 1985 Oct–Dec;37(4):435–40 (Ita)

[Current trends in the diagnosis and follow-up of prostatic inflammation] Porena M, et al. **Minerva Urol Nefrol** 1985 Jan–Mar;37(1):51–6 (Eng. Abstr.) (Ita)

[Echography in the study of renal pathology in childhood] Maresca G, et al. **Pediatr Med Chir** 1982 Nov–Dec; 4(6):699–704 (Eng. Abstr.) (Ita)

[Clinico-instrumental diagnosis of adrenal hematoma] Romondia A, et al. **Pediatr Med Chir** 1984 Nov–Dec; 6(6):811–3 (Eng. Abstr.) (Ita)

[Are echographic and radioisotopic studies substitutive or complementary to radiology in renal pathology in childhood?] Sterpa A, et al. **Pediatr Med Chir** 1985 Jul–Aug;7(4):569–71 (Eng. Abstr.) (Ita)

[Pancreatic needle biopsy guided by ultrasound or CT] Andreis M, et al. **Radiol Med (Torino)** 1984 Dec; 70(12):958–62 (Eng. Abstr.) (Ita)

[Present role of diagnostic imaging in the study of extensive pathology of the parotid gland] Armillotta M, et al. **Radiol Med (Torino)** 1986 May;72(5):291–6 (Eng. Abstr.) (Ita)

[Possibilities of echography in the study of tumefactions of superficial soft tissues] Balconi G, et al. **Radiol Med (Torino)** 1984 Nov;70(11):878–80 (Ita)

[Ultrasonic diagnosis of gastrointestinal perforation] Banderali A, et al. **Radiol Med (Torino)** 1986 May; 72(5):284–6 (Eng. Abstr.) (Ita)

[Echotomography in the diagnosis of Crohn's disease] Cammarota T, et al. **Radiol Med (Torino)** 1985 Sep; 71(9):597–601 (Eng. Abstr.) (Ita)

[Hypertrophic stenosis of the pylorus. Ultrasound and traditional diagnosis. Comparison of methods] Chiara A, et al. **Radiol Med (Torino)** 1986 Apr;72(4):188–94 (Eng. Abstr.) (Ita)

[Echographic diagnosis of gas in the excretory ducts of a transplanted kidney] Cicio GR, et al. **Radiol Med (Torino)** 1986 Jul–Aug;72(7–8):593–5 (Ita)

[Case of hematocolpos. Ultrasonic demonstration] Comelli S, et al. **Radiol Med (Torino)** 1984 Dec;70(12):1008 (Ita)

[Echographic evaluation of a case of "erysipelas of the scrotum"] Della Rovere S, et al. **Radiol Med (Torino)** 1986 Mar;72(3):147–8 (Ita)

[Ultrasonic diagnosis in the study of primary hyperparathyroidism] Di Donna A, et al. **Radiol Med (Torino)** 1985 Dec;71(12):843–9 (Eng. Abstr.) (Ita)

[Small fat-containing focal renal lesions: echographic and CT aspects] Fanfani S, et al. **Radiol Med (Torino)** 1985 May;71(5):321–5 (Eng. Abstr.) (Ita)

[Multidisciplinary radiological diagnosis of hepatic angioma in cancer patients] Garbagnati F, et al. **Radiol Med (Torino)** 1985 May;71(5):329–33 (Eng. Abstr.) (Ita)

[Preoperative ultrasonic diagnosis of metastasis to the cervical lymph nodes from otorhinolaryngeal neoplasms] Gardellin G, et al. **Radiol Med (Torino)** 1985 Dec; 71(12):865–7 (Eng. Abstr.) (Ita)

["Umbilicate" aspect of some lateral cervical adenomegalies. A possible sign of benign characterization?] Gardellin G, et al. **Radiol Med (Torino)** 1986 Mar;72(3):128–30 (Eng. Abstr.) (Ita)

[Preoperative localization of non-palpable breast lesions] Gardellin G, et al. **Radiol Med (Torino)** 1986 Apr; 72(4):199–203 (Eng. Abstr.) (Ita)

[Cholecystography and ultrasound compared in the radiological diagnosis of chronic cholecystitis] Garretti L, et al. **Radiol Med (Torino)** 1985 Sep;71(9):592–6 (Eng. Abstr.) (Ita)

[Sonographic structural and morphological features of the parathyroid glands in patients on dialysis. Observations concerning 75 patients] Giuseppetti GM, et al. **Radiol Med (Torino)** 1986 Jan–Feb;72(1–2):26–8 (Eng. Abstr.) (Ita)

[Clinical, radiological and ultrasonic correlations in secondary hyperparathyroidism. Observations concerning 75 patients on dialysis] Giuseppetti GM, et al. **Radiol Med (Torino)** 1986 Jan–Feb;72(1–2):29–31 (Eng. Abstr.) (Ita)

[Causes of attenuation of the sound waves in neoplasms of the breast. Histologic and echographic correlation study] Gozzi G, et al. **Radiol Med (Torino)** 1986 Apr;72(4):195–8 (Eng. Abstr.) (Ita)

[Sialography, echography and computerized tomography in the study of the parotid region] Gozzi G, et al. **Radiol Med (Torino)** 1985 Nov;71(11):752–6 (Eng. Abstr.) (Ita)

[Echographic diagnosis of ureterocele] Kauzlarich D, et al. **Radiol Med (Torino)** 1985 Nov;71(11):789–91 (Ita)

[Diagnostic value of echographic results in accessory spleens] Lorenzini F, et al. **Radiol Med (Torino)** 1985 Jun; 71(6):422–5 (Eng. Abstr.) (Ita)

[Ultrasonic diagnosis, staging and follow-up of prostatic neoplasms] Maresca G, et al. **Radiol Med (Torino)** 1986 May;72(5):300–4 (Eng. Abstr.) (Ita)

[Peritoneal pseudomyxoma. Diagnostic role of CT and ultrasonics] Perri G, et al. **Radiol Med (Torino)** 1986 May; 72(5):287–90 (Eng. Abstr.) (Ita)

[Mammary echography. Comparison with mammography] Pignatelli V, et al. **Radiol Med (Torino)** 1986 Mar; 72(3):121–7 (Eng. Abstr.) (Ita)

[Image diagnosis and Doppler ultrasound in the functional study of portal circulation] Renda F, et al. **Radiol Med (Torino)** 1985 Jul–Aug;71(7–8):496–505 (Eng. Abstr.) (Ita)

[Role of ultrasonic tomography in the diagnosis of prostatic cysts. Our experience in 13 cases] Simonetti G, et al. **Radiol Med (Torino)** 1984 Dec;70(12):963–8 (Eng. Abstr.) (Ita)

[Renal echography as a preliminary to the urographic study. Considerations on 839 cases and proposals] Trapani AR, et al. **Radiol Med (Torino)** 1985 May;71(5):316–20 (Eng. Abstr.) (Ita)

[Dynamic test in the echographic evaluation of the common bile duct] Verrengia D, et al. **Radiol Med (Torino)** 1985 Sep;71(9):587–91 (Eng. Abstr.) (Ita)

[Subphrenic adipose tissue, an infrequent cause of increased distance between the diaphragm and liver. Radiological study and echographic comparison] Villari V, et al. **Radiol Med (Torino)** 1985 Sep;71(9):582–6 (Eng. Abstr.) (Ita)

[Ultrasonic diagnosis of neonatal adrenal hemorrhage] Zennari R, et al. **Radiol Med (Torino)** 1985 Dec; 71(12):874–5 (Ita)

[Echographic diagnosis of acute rejection of the transplanted kidney] Zompatori M, et al. **Radiol Med (Torino)** 1986 Mar; 72(3):109–15 (Eng. Abstr.) (Ita)

[Primary hyperparathyroidism] Testa G, et al. **Recenti Prog Med** 1985 Jun;76(6):313–5 (Eng. Abstr.) (Ita)

[Ultrasound diagnosis of breast cancer] Kasumi F. **Gan No Rinsho** 1985 May;Suppl:23–39 (Eng. Abstr.) (Jpn)

[Ultrasonic diagnosis of breast cancer—principle and practice] Wagai T. **Gan No Rinsho** 1985 May;Suppl:9–22 (Eng. Abstr.) (Jpn)

[Ultrasonically guided puncture of the prostate and seminal vesicles] Kambayashi T, et al. **Hinyokika Kiyo** 1985 Jul; 31(7):1293–6 (Eng. Abstr.) (Jpn)

[Staging of bladder tumors by angiography, ultrasonography and computed tomography] Uchida T, et al. **Hinyokika Kiyo** 1985 Jun;31(6):949–59 (Eng. Abstr.) (Jpn)

[Non-invasive measurement of the elastic properties of the abdominal aorta and the analysis of aging change—changes of elasticity of the aorta by aging] Imura T. **Hokkaido Igaku Zasshi** 1985 Sep;60(5):653–61 (Eng. Abstr.) (Jpn)

[Study on ultrasonic tissue characterization of intraocular membranous structures] Sawada A. **Nippon Ganka Gakkai Zasshi** 1986 Jan;90(1):43–66 (Eng. Abstr.) (Jpn)

[Two cases of intussusception of appendiceal mucocele: diagnostic value of preoperative ultrasonography] Fujii M, et al. **Nippon Geka Gakkai Zasshi** 1986 Jul;87(7):808–12 (Eng. Abstr.) (Jpn)

[A case of inferior vena cava thrombosis associated with cholelithiasis demonstrated by ultrasonic examination] Ishikura Y, et al. **Nippon Geka Gakkai Zasshi** 1986 Jul; 87(7):813–7 (Eng. Abstr.) (Jpn)

[Acute noncalculous cholecystitis following gastrectomy for gastric cancer—study by ultrasonic examination] Ito T. **Nippon Geka Gakkai Zasshi** 1985 Oct;86(10):1434–43 (Eng. Abstr.) (Jpn)

[A case of mesenteric venous thrombosis: its sonographic and computed tomographic findings] Kokudo N, et al. **Nippon Geka Gakkai Zasshi** 1985 Aug;86(8):966–71 (Eng. Abstr.) (Jpn)

[Thyroid nodules; evaluation of malignancy by ultrasonography] Morifuji H, et al. **Nippon Geka Gakkai Zasshi** 1986 May;87(5):564–71 (Eng. Abstr.) (Jpn)

[The diagnosis of the depth of gastric cancer invasion by the ultrasonic method] Yasuda H. **Nippon Geka Gakkai Zasshi** 1986 Jun;87(6):608–25 (Eng. Abstr.) (Jpn)

[Management of urinary tract anomalies detected by prenatal ultrasonography] Shimada K, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Sep;76(9):1285–93 (Eng. Abstr.) (Jpn)

[Ultrasound-guided renal cyst puncture—experience with absolute ethanol instillation] Yamamoto M, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 May;77(5):791–8 (Eng. Abstr.) (Jpn)

[Comet-like echo in the gallbladder wall] Ishida H. **Nippon Igaku Hoshasen Gakkai Zasshi** 1985 Jun 25; 45(6):841–54 (Eng. Abstr.) (Jpn)

[Image diagnosis of parathyroid glands in patients with secondary hyperparathyroidism] Kuriyama K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Mar 25; 46(3):427–30 (Eng. Abstr.) (Jpn)

[Ultrasonography of the gouty kidney] Tsujimoto F, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1985 Jul 25; 45(7):977–81 (Eng. Abstr.) (Jpn)

[Sonographic evaluation of mammary carcinoma by using the 7.5 MHz polymer transducer] Uchiyama M, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Jan 25; 46(1):1–8 (Eng. Abstr.) (Jpn)

[Sonographic localization of enlarged parathyroid glands in primary hyperparathyroidism] Yamada K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1985 Sep 25; 45(9):1237–44 (Eng. Abstr.) (Jpn)

[Theory and clinical applications of diagnostic imaging methods (7). Obstetrical and gynecological disorders, with reference to the diagnosis of gestation and radiation effects on the gravida] Hirano K, et al. **Nippon Ika Daigaku Zasshi** 1986 Apr;53(2):206–8 (Jpn)

[Operative ultrasonography during cardiac and peripheral vascular surgery] Machi J. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Oct;33(10):1931–8 (Eng. Abstr.) (Jpn)

[Prenatal diagnosis and treatment of noninmune hydrops fetalis] Araki T. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Jan;38(1):113–8 (Jpn)

[A study on ultrasound imaging of invasive mole and choriocarcinoma with regard to clinical significance] Fukumoto S. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Mar;38(3):366–74 (Eng. Abstr.) (Jpn)

[The developmental characteristics of postterm fetuses assessed using both the physical parameters and real-time ultrasound] Koyanagi T. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Aug; 38(8):1251–6 (Eng. Abstr.) (Jpn)

[Ultrasonogram and ultrasonic histogram of intrauterine clot at late pregnancy] Mizuta M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Mar;38(3):444–7 (Jpn)

[Luteinized unruptured follicle] Satoh K. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Jan;38(1):119–24 (Jpn)

[Ultrasonic diagnosis of fetal malformation] Sekiba K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Mar; 38(3):427–32 (13 ref.) (Jpn)

[Studies on individual fetal weight estimation by ultrasonography in multiple pregnancies] Tsuzaki T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Apr;38(4):520–8 (Eng. Abstr.) (Jpn)

[A case of Cronkhite–Canada syndrome—clinical evaluation of computed tomography and ultrasonography] Hirohama S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Jun; 82(6):1585–90 (Jpn)

[Intratumoral injection therapy of mitomycin C adsorbed to activated carbon particles under ultrasound guidance for pancreatic cancer] Moriai T. **Nippon Shokakibyo Gakkai Zasshi** 1985 Dec;82(12):2994 (Jpn)

[Endoscopic ultrasonography of the gallbladder compared with pathological findings] Morita K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jan;83(1):86–95 (Eng. Abstr.) (Jpn)

[Changes in portal hemodynamics after portosystemic shunt surgery. Intraoperative and follow-up study using Doppler ultrasound] Moriyasu F, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 May;83(5):984–90 (Eng. Abstr.) (Jpn)

[A study on the depth of cancerous invasion in the gastric wall by endoscopic ultrasonography] Nakamura T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Mar;83(3):625–34 (Eng. Abstr.) (Jpn)

[Quantitative measurement of the blood flow in the abdominal arteries using an ultrasonic pulsed Doppler duplex system] Nakamura T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Aug;82(8):1932–9 (Eng. Abstr.) (Jpn)

[Ultrasonographic evaluation of gallbladder dynamics in normal subjects and cholecystolithiasis] Tamaki K. **Nippon Shokakibyo Gakkai Zasshi** 1986 May;83(5):1025–34 (Eng. Abstr.) (Jpn)

[Ultrasonic patterns of the gallbladder in patients with acute liver damage] Ueno N, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Aug;82(8):1908–13 (Eng. Abstr.) (Jpn)

[Endoscopic ultrasonography in the diagnosis of the degree of vertical invasion of gastric cancer] Yamanaka T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Aug;82(8):1865–74 (Eng. Abstr.) (Jpn)

[Intraoperative ultrasonography through a burr hole: clinical trial of ultrasound-guided stereotactic surgery] Kanazawa I, et al. **No Shinkei Geka** 1986 Mar;14(3 Suppl):295–300 (Eng. Abstr.) (Jpn)

[Intraoperative monitoring during brain surgery by B-mode ultrasonography] Tsutsumi Y. **No Shinkei Geka** 1985 Oct; 13(10):1041–50 (37 ref.) (Jpn)

[Ultrasonographic evaluation of the development of the brain sulcus] Juri T, et al. **No To Hattatsu** 1986 Jul;18(4):322–3 (Jpn)

[The neonatal spinal cord examined by ultrasonography] Kawahara H, et al. **No To Hattatsu** 1985 Nov;17(6):590–2 (Jpn)

[Ultrasound detection of CNS abnormalities in a fetus and its management] Yamashita Y, et al. **No To Hattatsu** 1986 Jul;18(4):326–9 (Jpn)

[Renal ultrasound. II] Heshiki A, et al. **Rinsho Hoshasen** 1986 Jan;31(1):97–8 (Jpn)

[Renal ultrasonography: diffuse parenchymal changes] Heshiki A. **Rinsho Hoshasen** 1986 Feb;31(2):297–9 (Jpn)

[Evaluation of renal function by ultrasonography] Higashi Y, et al. **Rinsho Hoshasen** 1986 May;31(5):611–5 (Eng. Abstr.) (Jpn)

[Differential points in the ultrasonographic diagnosis of biliary diseases] Hisa N. **Rinsho Hoshasen** 1985 Jun; 30(6):713–8 (Eng. Abstr.) (Jpn)

[Serial ultrasound examination in acute suppurative cholangitis—a case report] Ishida H, et al. **Rinsho Hoshasen** 1986 Feb;31(2):323–6 (Eng. Abstr.) (Jpn)

[Spinal sonography] Itoh K, et al. **Rinsho Hoshasen** 1986 May;31(5):645–9 (Eng. Abstr.) (Jpn)

[Indistinct band sign: a new sonographic finding in fatty liver] Kondo Y, et al. **Rinsho Hoshasen** 1986 Feb;31(2):275–9 (Eng. Abstr.) (Jpn)

[Ultrasonic diagnosis of gallbladder neoplasms] Kurosaki Y. **Rinsho Hoshasen** 1985 Jul;30(7):803–4 (Jpn)

[Common bile duct stones and intrahepatic stones] Kurosaki Y. **Rinsho Hoshasen** 1985 Jun;30(6):725–6 (Jpn)

[CT scan and ultrasonic evaluation of traumatic duodenal intramural hematoma in childhood] Ochi G, et al. **Rinsho Hoshasen** 1986 Apr;31(4):539–42 (Eng. Abstr.) (Jpn)

[Detection and qualitative evaluation of small hepatocellular carcinoma by ultrasonography—matters to be heeded and limitations] Ohishi H, et al. **Rinsho Hoshasen** 1985 Jun; 30(6):649–57 (Eng. Abstr.) (Jpn)

[Ultrasonic diagnosis of the female pelvis: normal anatomy] Sakuyama K. **Rinsho Hoshasen** 1985 Sep;30(9):999–1000 (Jpn)

[Ultrasound diagnosis: female pelvic organs—ovarian tumors] Sakuyama K, et al. **Rinsho Hoshasen** 1985 Nov; 30(12):1491–2 (Jpn)

[Ultrasonic diagnosis of uterine diseases] Sakuyama K, et al. **Rinsho Hoshasen** 1985 Oct;30(10):1131–2 (Jpn)

[Six cases of abdominal fatty masses—evaluation by ultrasonography and CT] Sugano S, et al. **Rinsho Hoshasen** 1986 Mar;31(3):383–8 (Eng. Abstr.) (Jpn)

[Ultrasonography of breast cancer] Tsujimoto F, et al. **Rinsho Hoshasen** 1986 Mar;31(3):407–8 (Jpn)

[Ultrasonic imaging of mammary gland diseases] Tsujimoto F, et al. **Rinsho Hoshasen** 1986 Apr;31(4):519–21 (Jpn)

[Ultrasonography of nodular goiter] Tsujimoto F, et al. **Rinsho Hoshasen** 1986 May;31(5):629–31 (Jpn)

[Colonic cancer demonstrated by ultrasonics] Aspestrand F. **Tidsskr Nor Laegeforen** 1985 Oct 30;105(30):2130 (Eng. Abstr.) (Nor)

[Ultrasonic diagnosis of pregnant women in general practice] Bratland SZ, et al. **Tidsskr Nor Laegeforen** 1985 Oct 10; 105(28):1940–6 (Eng. Abstr.) (Nor)

[Ultrasonic diagnosis in general practice. An evaluation study] Bratland SZ. **Tidsskr Nor Laegeforen** 1985 Oct 10; 105(28):1939–40 (Eng. Abstr.) (Nor)

[Ultrasonic diagnosis used in general practice. A summarized evaluation] Bratland SZ. **Tidsskr Nor Laegeforen** 1985 Oct 10;105(28):1954–5 (Eng. Abstr.) (Nor)

[Ultrasonography of the gallbladder in general practice] Bratland SZ, et al. **Tidsskr Nor Laegeforen** 1985 Oct 10; 105(28):1946–8 (Eng. Abstr.) (Nor)

[Ultrasonography of the paranasal sinuses in general practice] Bratland SZ. **Tidsskr Nor Laegeforen** 1985 Oct 10; 105(28):1951–3 (Eng. Abstr.) (Nor)

[Ultrasonography of the urinary tract in general practice] Bratland SZ, et al. **Tidsskr Nor Laegeforen** 1985 Oct 10; 105(28):1948–50 (Eng. Abstr.) (Nor)

[Preoperative localization of parathyroid tumors. CT and ultrasonics before surgery of primary hyperparathyroidism] Eri LM, et al. **Tidsskr Nor Laegeforen** 1986 May 10; 106(12):1042–5 (Eng. Abstr.) (Nor)

[Ultrasound in the diagnosis of gallbladder stones] Husby T, et al. **Tidsskr Nor Laegeforen** 1986 Apr 20;106(10):823–4 (Eng. Abstr.) (Nor)

[Ultrasonic diagnosis of hypertrophic pyloric stenosis] Nordshus T, et al. **Tidsskr Nor Laegeforen** 1985 Aug 30; 105(24):1598–9 (Eng. Abstr.) (Nor)

[Ultrasonic diagnosis in parenchymal liver disease] Odegaard S, et al. **Tidsskr Nor Laegeforen** 1986 May 20; 106(13):1101–3 (Nor)

[Prenatal diagnosis of malformations by ultrasonics] Rognerud H, et al. **Tidsskr Nor Laegeforen** 1986 May 10; 106(12):1030–2 (Eng. Abstr.) (Nor)

[Ultrasonic diagnosis of ectopic pregnancy] Klejewski A, et al. **Ginekol Pol** 1985 Nov;56(11):682–6 (Eng. Abstr.) (Pol)

[The use of ultrasonics in gynecology] Marianowski L, et al. **Ginekol Pol** 1985 Sep;56(9):505–14 (Eng. Abstr.) (Pol)

[Comparison of the results of oral cholecystography and ultrasonography of the gallbladder] Boroń Z, et al. **Pol Przegl Radiol (Warszawa)** 1985 Jan–Feb;49(1):11–3 (Eng. Abstr.) (Pol)

[Ultrasonic diagnosis of focal lesions of the hepatic parenchyma] Elwertowski M, et al. **Pol Przegl Radiol (Warszawa)** 1985 Jan–Feb;49(1):17–23 (Eng. Abstr.) (Pol)

[Ultrasonic diagnosis of suppurative conditions] Elwertowski M, et al. **Pol Przegl Radiol (Warszawa)** 1985 Jan–Feb; 49(1):38–43 (Eng. Abstr.) (Pol)

[Echogenicity of the normal pancreas] Gierbliński I, et al. **Pol Przegl Radiol (Warszawa)** 1985 Jan–Feb;49(1):2–4 (Eng. Abstr.) (Pol)

[ULtrasonic diagnosis of testicular pathology] Golebiewski J, et al. **Pol Przegl Radiol (Warszawa)** 1985 Mar–Apr; 49(2):125–32 (Eng. Abstr.) (Pol)

[Ultrasonic diagnosis of abdominal wall abscesses] Golebiewski J, et al. **Pol Przegl Radiol (Warszawa)** 1985 Jan–Feb;49(1):34–7 (Eng. Abstr.) (Pol)

[Ultrasonic diagnosis of prostatic diseases] Gomula A, et al. **Pol Przegl Radiol (Warszawa)** 1985 Jan–Feb;49(1):54–7 (Eng. Abstr.) (Pol)

[Neoplasms of the kidney pelvis in ultrasonic examination] Jakubowski W. **Pol Przegl Radiol (Warszawa)** 1984 Nov–Dec;48(6):403–6 (Eng. Abstr.) (Pol)

[Ultrasonic diagnosis of cancer of the gallbladder] Jakubowski W, et al. **Pol Przegl Radiol (Warszawa)** 1985 Jan–Feb;49(1):24–6 (Eng. Abstr.) (Pol)

[Percutaneous fine-needle biopsy of abdominal organs controlled by ultrasonics] Kubicki T, et al. **Pol Przegl Radiol (Warszawa)** 1985 Jan–Feb;49(1):30–3 (Eng. Abstr.) (Pol)

[Pediatric ultrasonography] Marciński A. **Pol Przegl Radiol (Warszawa)** 1985 Sep–Oct;49(5):338–46 (Pol)

[Usefulness of ultrasonic diagnosis with simultaneous hormonal diagnosis of ovulation] Marianowski L, et al. **Pol Przegl Radiol (Warszawa)** 1985 May–Jun;49(3):165–8 (Eng. Abstr.) (Pol)

[Ultrasonic examination of the thyroid] Nowak M, et al. **Pol Przegl Radiol (Warszawa)** 1985 Jul–Aug;49(4):289–94 (Pol)

[Real-time ultrasonography in gynecological oncology. Preliminary observations] Pertyński T, et al. **Pol Przegl Radiol (Warszawa)** 1985 Mar–Apr;49(2):133–7 (Eng. Abstr.) (Pol)

[Use of ultrasonics and isotope methods in the diagnosis of kidney diseases and liver neoplasms. Preliminary evaluation] Pertyński T, et al. **Pol Przegl Radiol (Warszawa)** 1985 Jan–Feb;49(1):44–8 (Eng. Abstr.) (Pol)

[Analysis of ultrasonic signs in pancreatic cancer] Rakoczy A. **Pol Przegl Radiol (Warszawa)** 1985 Jan–Feb;49(1):5–10 (Eng. Abstr.) (Pol)

[Value of ultrasonic examination for detection of biliary calculi] Rakoczy A, et al. **Pol Przegl Radiol (Warszawa)** 1985 Jan–Feb;49(1):27–9 (Eng. Abstr.) (Pol)

[Ultrasonography of the transplanted kidney] Rożniatowska-Sadkowska B, et al. **Pol Przegl Radiol (Warszawa)** 1985 Jul–Aug;49(4):251–7 (Eng. Abstr.) (Pol)

[Preliminary evaluation of the usefulness of ultrasonic examination of the Achilles tendon] Serafin-Król M, et al. **Pol Przegl Radiol (Warszawa)** 1985 Mar–Apr;49(2):145–8 (Eng. Abstr.) (Pol)

[Ultrasonographic determination of fetal sex] Soinierz A. **Pol Przegl Radiol (Warszawa)** 1985 Mar–Apr;49(2):142–4 (Eng. Abstr.) (Pol)

[Ultrasonographic determination of fetal sex] Adamski M, et al. **Pol Tyg Lek** 1985 Dec 9;40(49):1365–8 (Eng. Abstr.) (Pol)

[Use of Doppler ultrasonography in the evaluation of the changes in cerebral blood flow in patients after stroke] Gralewski Z. **Pol Tyg Lek** 1986 Mar 10;41(10):299–301 (Eng. Abstr.) (Pol)

[Value of ultrasonic diagnosis of jaundice] Habior A, et al. **Pol Tyg Lek** 1985 Jun 17;40(24):686–8 (Eng. Abstr.) (Pol)

[Polycystic degeneration of the kidney diagnosed by ultrasonics] Gierbliński I, et al. **Wiad Lek** 1985 Oct 15; 38(20):1459–61 (Eng. Abstr.) (Pol)

[Ultrasonographic diagnosis of cancer of the gallbladder] Juszczyk Z, et al. **Wiad Lek** 1985 Dec 15;38(24):1725–7 (Eng. Abstr.) (Pol)

[Usefulness of ultrasonic examination in the diagnosis of the cause of cholestasis in a case of coexistence of gallbladder cancer and cholelithiasis] Skrzelewski S, et al. **Wiad Lek** 1985 Dec 15;38(24):1728–32 (Eng. Abstr.) (Pol)

[Exercises in clinical reasoning] **Arq Gastroenterol** 1985 Jan–Mar;22(1):45–8 (Por)

[The ultrasonographic cholecystogram with intramuscular ceruletide] Conte VP, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1985 Sep–Oct; 40(5):216–9 (Eng. Abstr.) (Por)

[Accuracy of echography and cholecystography in the diagnosis of cholelithiasis] Acalovschi M, et al. **Rev Med Interna [Med Interna]** 1985 May–Jun;37(3):275–81 (Eng. Abstr.) (Rum)

[Value of Doppler ultrasonic examination in the diagnosis of peripheral arterial diseases] Dosan L, et al.

Rev Med Interna [Med Interna] 1986 Jan-Feb;38(1):29-37 (Eng. Abstr.) (Rus)
[Value of ultrasonic fetometry for determining fetal weight in pregnant women with diabetes mellitus] Badalian SS. **Akush Ginekol (Mosk)** 1986 Jun;(6):32-3 (Eng. Abstr.) (Rus)
[Echoscopic data on the effect of methylergometrin on the course of the placental and early postpartum stages] Belousov MA. **Akush Ginekol (Mosk)** 1985 Jun;(6):50-2 (Eng. Abstr.) (Rus)
[Clinical value of echography in early pregnancy] Demidov VN, et al. **Akush Ginekol (Mosk)** 1985 Oct;(10):63-7 (Rus)
[Possibilities of using echography to detect pathological processes in the endometrium] Gus AI. **Akush Ginekol (Mosk)** 1985 Jun;(6):61-5 (Eng. Abstr.) (Rus)
[Importance of direct echographic control in performing prenatal diagnosis] Karetnikova NA, et al. **Akush Ginekol (Mosk)** 1986 Mar;(3):21-3 (Eng. Abstr.) (Rus)
[Potentialities of ultrasonic diagnosis in pregnant women with diabetes mellitus] Ordynskii VF. **Akush Ginekol (Mosk)** 1985 Jun;(6):47-50 (Eng. Abstr.) (Rus)
[Normal echographic anatomy of the fetal brain] Ozerova OE. **Akush Ginekol (Mosk)** 1986 Mar;(3):23-6 (Eng. Abstr.) (Rus)
[Ultrasonic diagnosis of ovarian cystomas] Zykin BI. **Akush Ginekol (Mosk)** 1986 Feb;(2):48-9 (Eng. Abstr.) (Rus)
[Role of ultrasonic echo location in the diagnosis of nonspecific thoraco-abdominal aortoarteritis] Pokrovskii AV, et al. **Kardiologiia** 1986 Mar;26(3):21-3 (Eng. Abstr.) (Rus)
[Ultrasonic diagnosis of cancer recurrence in men after extirpation of the rectum] Bal'ter SA, et al. **Khirurgiia (Mosk)** 1986 Apr;(4):77-81 (Eng. Abstr.) (Rus)
[Computer echotomography in the diagnosis of forms of acute pancreatitis] Buromskaia GA, et al. **Khirurgiia (Mosk)** 1985 Aug;(8):7-12 (Eng. Abstr.) (Rus)
[Ultrasonic percutaneous drainage] Nasirov FN. **Khirurgiia (Mosk)** 1986 Jul;(7):16-9 (Eng. Abstr.) (Rus)
[Ultrasonic study combined with direct methods of biliary tract contrast in the diagnosis of the causes of mechanical jaundice] Nesterenko IuA, et al. **Khirurgiia (Mosk)** 1986 Jul;(7):43-6 (Eng. Abstr.) (Rus)
[Ultrasonic diagnosis of mechanical jaundice] Portnoi LM, et al. **Khirurgiia (Mosk)** 1986 Jul;(7):38-43 (Eng. Abstr.) (Rus)
[Ultrasonic diagnosis of gallbladder cancer] Struchkova TIa, et al. **Khirurgiia (Mosk)** 1986 Jul;(7):63-7 (Eng. Abstr.) (Rus)
[Echography in acute destruction cholecystitis] Tsol KV, et al. **Khirurgiia (Mosk)** 1985 Aug;(8):54-6 (Eng. Abstr.) (Rus)
[Comparative evaluation of ultrasonic and thermographic methods of diagnosis of diseases of the gallbladder and biliary tract] Doroshenko LN, et al. **Klin Med (Mosk)** 1986 Jun;64(6):94-7 (Rus)
[Ultrasonic diagnosis of liver cirrhosis] Litviakov AM. **Klin Med (Mosk)** 1986 Jun;64(6):97-101 (Eng. Abstr.) (Rus)
[Ultrasonic diagnosis of pericholedochal nonspecific lymphadenitis] Litviakov AM, et al. **Klin Med (Mosk)** 1985 Jul;63(7):94-7 (Eng. Abstr.) (Rus)
[Thyroid echography in various thyroid diseases] Ozerova OE, et al. **Klin Med (Mosk)** 1986 Feb;64(2):135-7 (Eng. Abstr.) (Rus)
[Ultrasonic tomography in the diagnosis of non-discrete retroperitoneal tumors] Mironova GT, et al. **Med Radiol (Mosk)** 1986 Jul;31(7):45-8 (Eng. Abstr.) (Rus)
[Ultrasound diagnosis of the involvement of retroperitoneal and abdominal lymph nodes in Hodgkin's disease] Tsyb AF, et al. **Med Radiol (Mosk)** 1986 Jul;31(7):39-45 (Eng. Abstr.) (Rus)
[Ultrasonic diagnosis of splenic and hepatic lesions in lymphogranulomatosis] Tsyb AF, et al. **Med Radiol (Mosk)** 1985 Oct;30(10):44-8 (Eng. Abstr.) (Rus)
[Ultrasonic scanning in determining the local spread of bladder cancer] Tsyb AF, et al. **Med Radiol (Mosk)** 1985 Oct;30(10):39-44 (Eng. Abstr.) (Rus)
[Ultrasonic scanning of the bile ducts in preventive examinations] Zubovskii GA, et al. **Med Radiol (Mosk)** 1986 May;31(5):20-5 (Eng. Abstr.) (Rus)
[Echographic studies in the diagnosis of endocrine ophthalmopathy] Fridman FE, et al. **Oftalmol Zh** 1985;(5):271-4 (Eng. Abstr.) (Rus)
[Comparative evaluation of the results of preoperative ultrasonic diagnosis and ophthalmoscopic data acquired at the time of and following vitrectomy in patients with intravitreal hemorrhage] Glinchuk IaI, et al. **Oftalmol Zh** 1985;(5):267-8 (Eng. Abstr.) (Rus)
[Ultrasonic study in fragmentation trauma of the eye] Kodzov MB, et al. **Oftalmol Zh** 1985;(5):261-3 (Eng. Abstr.) (Rus)
[15 years' experience in the use of ultrasonic diagnosis in ophthalmology] Machekhin VA, et al. **Oftalmol Zh** 1985;(5):269-71 (Eng. Abstr.) (Rus)
[Complex ultrasonic diagnosis of traumatic eye injuries] Marmur RK, et al. **Oftalmol Zh** 1985;(5):258-61 (Eng. Abstr.) (Rus)
[Echographic evaluation of the state of the crystalline lens in children with congenital and acquired cataracts] Sorochinskaia TA. **Oftalmol Zh** 1985;(5):263-6 (Eng. Abstr.) (Rus)
[Echography of the pancreas in children with diabetes mellitus] Dvoriakovskaia GM, et al. **Pediatriia** 1986 May;(5):38-40 (Rus)
[Ultrasound study in the diagnosis of thyroid gland pathology] Petrov VP, et al. **Probl Endokrinol (Mosk)** 1985 May-Jun;31(3):12-5 (Eng. Abstr.) (Rus)
[Ultrasonic diagnosis of hypercorticism] Demidov VN, et al. **Sov Med** 1986;(2):62-6 (Eng. Abstr.) (Rus)
[Clinico-ultrasonic parallels in puerperal mastitis] Volkov NA. **Sov Med** 1985;(12):104-8 (Rus)
[Use of echography for diagnosing aldosteromas] Demidov VN, et al. **Ter Arkh** 1985;57(9):118-20 (Eng. Abstr.) (Rus)
[Ultrasonic kidney study in anuria] Aslamazov EG, et al. **Urol Nefrol (Mosk)** 1985 Nov-Dec;(6):66-7 (Rus)
[Intraoperative ultrasonic diagnosis of choledocholithiasis] Gistishchev VK, et al. **Vestn Khir** 1985 Jul;135(7):37-40 (Eng. Abstr.) (Rus)
[Directed percutaneous punctures of pathological liver foci controlled by computed tomography and ultrasound] Krylov NL, et al. **Vestn Khir** 1986 Jan;136(1):32-5 (Eng. Abstr.) (Rus)
[Various aspects of the auditory perception of focused amplitude-modulated ultrasound] Pudov VI. **Vestn Otorinolaringol** 1986 Jan-Feb;(1):29-32 (Eng. Abstr.) (Rus)
[Ultrasonic and computed tomographic semeiotics of cholelithiasis] Kishkovskii AN, et al. **Vestn Rentgenol Radiol** 1986 Mar-Apr;(2):29-35 (Eng. Abstr.) (Rus)
[Potentials of the ultrasonic study method in diagnosing kidney pathology] Glukhov IuD, et al. **Voen Med Zh** 1985 Oct;(10):39-41 (Rus)
[Potential ultrasonic study in the early diagnosis of rectal cancer recurrence] Bal'ter SA, et al. **Vopr Onkol** 1986;32(2):42-8 (Eng. Abstr.) (Rus)
[Possibility of evaluating the degree of dissemination of malignant tumors of the bladder using ultrasonic tomography] Bal'ter SA, et al. **Vopr Onkol** 1986;32(4):46-52 (Eng. Abstr.) (Rus)
[Potentials for the ultrasonic diagnosis of laryngopharyngeal cancer metastases to the cervical lymph nodes] Vel'ter SA, et al. **Vopr Onkol** 1986;32(6):39-43 (Eng. Abstr.) (Rus)
[Use of echography in diagnosing diseases of the adrenals and gonads] Rybakov SI, et al. **Vrach Delo** 1985 Jul;(7):48-51 (Eng. Abstr.) (Rus)
[Echotomography of organs in the upper abdomen] Grbić R. **Srp Arh Celok Lek** 1985 Feb;113(2):199-201 (See)
[Prenatal determination of fetal sex using ultrasound] Marković A, et al. **Srp Arh Celok Lek** 1986 Feb;114(2):167-75 (Eng. Abstr.) (See)
[The importance of ultrasonic diagnosis in tumors of the internal genital organs in gynecology and obstetrics] Proročić M, et al. **Srp Arh Celok Lek** 1985 Oct;113(10):867-77 (Eng. Abstr.) (See)
[Evaluation of the central nervous system of the fetus using ultrasound] Radunović N, et al. **Srp Arh Celok Lek** 1985 May-Jun;113(5-6):457-65 (Eng. Abstr.) (See)
[Treatment of pancreatic cysts studied by real-time echo scanning] Davčev P, et al. **Acta Med Iugosl** 1985;39(4):301-10 (Eng. Abstr.) (Scr)
[Ultrasound grading of placental maturity and fetal lung maturity] Podobnik M, et al. **Jugosl Ginekol Perinatol** 1985 Sep-Dec;25(5-6):117-20 (Eng. Abstr.) (Scr)
[Diagnosis and follow-up of acute gallbladder inflammation using ultrasound] Bilić A, et al. **Lijec Vjesn** 1986 Jul-Aug;108(7-8):317-9 (Eng. Abstr.) (Scr)
[Ultrasonic detection of malformations of the fetal skeleton] Kurjak A, et al. **Lijec Vjesn** 1986 Jun;108(6):256-62 (Eng. Abstr.) (Scr)
[Echosonographic study of liver tumors. The need for directed biopsy] Buljevac M, et al. **Vojnosanit Pregl** 1985 Nov-Dec;42(6):432-6 (Eng. Abstr.) (Scr)
[Ultrasound. Its use and biological effects] Hrnjak M. **Vojnosanit Pregl** 1986 Jan-Feb;43(1):59-64 (Scr)
[Ultrasonography of the paranasal sinuses] Gál P, et al. **Cesk Otolaryngol** 1986 Jan;35(1):35-40 (Eng. Abstr.) (Slo)
[Sonographic study of the gallbladder and bile ducts] Antalík J, et al. **Cesk Radiol** 1985 Aug;39(4):232-8 (Eng. Abstr.) (Slo)
[Renal function: implications in the normal and abnormal development of the urinary tract; role of echography] Beamud Gómez A, et al. **Actas Urol Esp** 1986 Mar-Apr;10(2):137-40 (Eng. Abstr.) (Spa)
[Transrectal echography of the prostate: technic and indications] Espuela Orgaz R, et al. **Actas Urol Esp** 1985 Jul-Aug;9(4):317-26 (Eng. Abstr.) (Spa)
[Ectopic ureterocele. Presentation of 2 cases] Cortejoso Gonzalo E, et al. **An Esp Pediatr** 1985 Dec;23(8):593-6 (Spa)
[Echography in the diagnosis on childhood nephrocalcinosis. Apropos of 5 cases] López JA, et al. **An Esp Pediatr** 1985 Oct 15;23(4):253-8 (Eng. Abstr.) (Spa)
[Intrarenal abscess in childhood. Use of percutaneous aspiration with echography] Pérez Alvarez F, et al. **An Esp Pediatr** 1985 Jul;23(1):73-6 (Spa)
[Evaluation of tobacco-related main artery vasoconstriction by a new index of the Doppler wave] Sancho A, et al. **Angiologia** 1986 Mar-Apr;38(2):100-5 (Eng. Abstr.) (Spa)
[Possibilities and limitations of Doppler flowmeters in the study of angiodysplasias of the extremities] Stella A, et al. **Angiologia** 1986 Jan-Feb;38(1):42-50 (Eng. Abstr.) (Spa)
[Echodirected transperineal biopsy of the prostate: advantages and contributions to classical technics] Abad Menor F, et al. **Arch Esp Urol** 1986 Jan-Feb;39(1):27-32 (Eng. Abstr.) (Spa)
[Ultrasonic diagnosis of an intestinal polyp in a child] López-Marure EN, et al. **Bol Med Hosp Infant Mex** 1985 Jul;42(7):454-6 (Eng. Abstr.) (Spa)
[Demonstration by ultrasound of intestinal invagination in the child] López-Marure EN, et al. **Bol Med Hosp Infant Mex** 1985 Dec;42(12):755-9 (Eng. Abstr.) (Spa)
[Normality patterns according to dimensional analysis of the pancreas, portal system and common bile duct by ultrasonics] Barrios C, et al. **GEN** 1984 Jul-Dec;38(3-4):99-107 (Eng. Abstr.) (Spa)
[The flat-face image: an echosonographic sign of cholelithiasis] Carrillo Penso N. **GEN** 1984 Jul-Dec;38(3-4):91-8 (Eng. Abstr.) (Spa)
[Echography in diverticulitis] Carrillo Penso N. **GEN** 1985 Jan-Mar;39(1):20-7 (Eng. Abstr.) (Spa)
[Use of ultrasound in intrauterine fetal transfusion: presentation of a case] Amor Calleja L, et al. **Ginecol Obstet Mex** 1985 Dec;53:319-25 (Eng. Abstr.) (Spa)
[Correlation of the echographic pattern of the placenta and of biparietal diameter with fetal lung maturity] García Necoechea P, et al. **Ginecol Obstet Mex** 1985 Jun;53:157-61 (Eng. Abstr.) (Spa)
[Normal echographic anatomy of the brain of the newborn infant] Segura MA, et al. **Ginecol Obstet Mex** 1986 Apr;54:86-90 (Eng. Abstr.) (Spa)
[Prediction of fetal pulmonary maturity by the association of echographic parameters] Amor Lillo F, et al. **Rev Chil Obstet Ginecol** 1984;49(6):417-24 (Eng. Abstr.) (Spa)
[5-year experience in the echographic diagnosis of structural abnormalities of the fetus] Yurać C, et al. **Rev Chil Obstet Ginecol** 1984;49(6):369-99 (Eng. Abstr.) (Spa)
[Echotomographic diagnosis in complicated abdominal contusions] Mac Kinnon J. **Rev Chil Pediatr** 1985 Jul-Aug;56(4):238-42 (Eng. Abstr.) (Spa)
[Usefulness of ultrasonography in the management of cholestatic icterus. Apropos of a case of alcoholic acute hepatitis (letter)] Gómez Rodríguez F, et al. **Rev Clin Esp** 1985 Jun;177(2):93-4 (Spa)
[Value of ultrasonography in the diagnosis of infanto-juvenile renal polycystosis (letter)] Varas MJ, et al. **Rev Clin Esp** 1986 Jun;179(2):107-8 (Spa)
[Aspiration biopsy with guided fine needle or under continuous control with ultrasound in the diagnosis and treatment of digestive pathology] Capdevilla A, et al. **Rev Esp Enferm Apar Dig** 1985 Oct;68(4):331-6 (Eng. Abstr.) (Spa)
[Diagnostic value of the clinical evaluation and ultrasonography in biliary lithiasis] Garrigues V, et al. **Rev Esp Enferm Apar Dig** 1985 Sep;68(3):236-40 (Eng. Abstr.) (Spa)
[Value of echography in the diagnosis of portal hypertension in hepatic cirrhosis] González Reimers E, et al. **Rev Esp Enferm Apar Dig** 1985 Dec;68(6):503-5 (Eng. Abstr.) (Spa)
[The neoplastic liver. Scintigraphy or echotomography? Experience in 58 patients with clinically suspected hepatic neoplasm] MacKinnon J, et al. **Rev Med Chil** 1985 Jul;113(7):661-4 (Eng. Abstr.) (Spa)
[A piece of wood in a muscle can be detected by ultrasonics] Ahlbäck SO. **Lakartidningen** 1985 Oct 16;82(42):3590-1 (Swe)
[Consequences of a dilated urinary tract diagnosed at the fetal stage] Kullendorff CM, et al. **Lakartidningen** 1985 Oct 23;82(43):3697-8 (Swe)

ADVERSE EFFECTS

Procedural hazards of neonatal ultrasonography. DiPietro MA, et al. **JCU** 1986 Jun;14(5):361-6
Risks after exposure to diagnostic ultrasound in utero [letter] Reitz JC. **Obstet Gynecol** 1986 May;67(5):752
Obstetric ultrasound and childhood malignancies. Wilson MK. **Radiography** 1985 Nov-Dec;51(600):319-20
Investigation into the possible genetic effects of diagnostic ultrasound. Wegner RD, et al. **Ultrasound Med Biol** 1983;Suppl 2:49-53
[Does ultrasound have side effects?] Bom N, et al. **Ned Tijdschr Geneeskd** 1985 Nov 9;129(45):2150-4 (Dut)
[Possible biological effects and dangers of ultrasonics in perinatal medicine] Relier JP, et al. **Arch Fr Pediatr** 1985 Aug-Sep;42(7):491-5 (26 ref.) (Fre)
[Viability of human cancer cells in culture after exposure to diagnostic ultrasound] Farges MF, et al. **J Radiol** 1985 Aug-Sep;66(8-9):555-8 (Eng. Abstr.) (Fre)
[Experimental studies on possible biological effects of ultrasonic diagnosis: ultrastructural analysis of rat embryo]

Cardinale A, et al. **Radiol Med (Torino)** 1985 Jul–Aug; 71(7–8):506–9 (Eng. Abstr.) (Ita)

ECONOMICS

How to introduce diagnostic ultrasound in medical institutions of limited resources. Chaves OE. **Ultrasound Med Biol** 1983;Suppl 2:87–90

Imaging the gallbladder: appropriate/inappropriate use of high technology? de Lacey G, et al. **Ultrasound Med Biol** 1983;Suppl 2:469–70

Real time sonography in suspected abdominal disease and in the elderly asymptomatic patient. Does it reduce costs and exposure to radiation? Frank K, et al. **Ultrasound Med Biol** 1983;Suppl 2:441–6

Ultrasonic diagnosis of pregnancy [letter] Wilson J. **Vet Rec** 1986 Feb 8;119(6):163–4

[Economic aspects of ultrasound diagnosis. A retrospective study exemplified by cholecystolithiasis] Gasser G, et al. **Chirurg** 1985 Aug;56(8):528–31 (Eng. Abstr.) (Ger)

HISTORY

First steps in the development of the Doppler flowmeter. Kaneko Z. **Ultrasound Med Biol** 1986 Mar;12(3):187–95

INSTRUMENTATION

Method of evaluating ultrasonic pachometers. Ling T, et al. **Am J Optom Physiol Opt** 1986 Jun;63(6):462–6

Percutaneous oocyte recovery using ultrasound. Lenz S. **Clin Obstet Gynaecol** 1985 Dec;12(4):785–98

Ultrasound instrumentation. Bartrum RJ Jr. **CRC Crit Rev Diagn Imaging** 1986;25(3):279–303

A guide to ultrasonic pachymeters. Thornton SP. **J Cataract Refract Surg** 1986 Jul;12(4):416–9

Portable ultrasound examinations in intensive care units. Harris RD, et al. **J Ultrasound Med** 1985 Sep;4(9):463–5

Laboratory assessment of ultrasonic needle and catheter visualization. McGahan JP. **J Ultrasound Med** 1986 Jul; 5(7):373–7

Intraoperative abdominal ultrasonography: initial experience with a dedicated high-resolution operative transducer. Rifkin MD, et al. **J Ultrasound Med** 1986 Aug;5(8):429–33

Development and application of an ultrasonic imaging system for dental diagnosis. Fukukita H, et al. **JCU** 1985 Oct; 13(8):597–600

Measurement and characterisation of the acoustic output of medical ultrasonic equipment. Part 1. Preston RC. **Med Biol Eng Comput** 1986 Mar;24(2):113–20 (42 ref.)

Measurement and characterisation of the acoustic output of medical ultrasonic equipment. Part 2. Preston RC. **Med Biol Eng Comput** 1986 May;24(3):225–34 (63 ref.)

Which ultrasound? Cosgrove DO. **Nucl Med Commun** 1984 Feb;5(2):69–80

Improved mirror systems for high resolution ultrasonic imaging. Nicoli JJ, et al. **Ultrason Imaging** 1985 Apr; 7(2):107–21

A study of explicit greytone perception on TV video monitors. Breyer B, et al. **Ultrasound Med Biol** 1983;Suppl 2:197–201

The locations of peak pressures and peak intensities in finite amplitude beams from a pulsed focused transducer. Duck FA, et al. **Ultrasound Med Biol** 1986 May;12(5):403–9

Assessment of ultrasound scanners by acoustic signal injection. Duggan TC, et al. **Ultrasound Med Biol** 1983; Suppl 2:179–84

Transmission ultrasonography in the skeletal development of the hand. Kremer H, et al. **Ultrasound Med Biol** 1983; Suppl 2:219–22

Airborne ultrasound applied to anthropometry—physical and technical principles. Lindström K, et al. **Ultrasound Med Biol** 1983;Suppl 2:223–7

Local histogram information content of ultrasound B-mode echographic texture. Mailloux GE, et al. **Ultrasound Med Biol** 1985 Sep–Oct;11(5):743–50

Indication of Doppler sampling on the video image of a linear scanner without modification of commercial equipment. Matre K, et al. **Ultrasound Med Biol** 1985 Jul–Aug; 11(4):585–9

Realtime bloodflow imaging system utilizing auto-correlation techniques. Namekawa K, et al. **Ultrasound Med Biol** 1983; Suppl 2:203–8

Clinical application of ultrasound endoscope using linear array transducer for transesophageal ultrasonographic diagnosis of the disease of the mediastinum. Natori H, et al. **Ultrasound Med Biol** 1983;Suppl 2:339–43

Duplex Doppler scanning in the pelvis and abdomen. Taylor KJ, et al. **Ultrasound Med Biol** 1985 Jul–Aug;11(4):643–58 (51 ref.)

Analysis of a novel wide dynamic range transceiver for zone imaging. Taylor WB, et al. **Ultrasound Med Biol** 1983;Suppl 2:209–14

Improvement of echographic breast cancer images and screening of breast cancer by ultrasound. Wagai T. **Ultrasound Med Biol** 1983;Suppl 2:215–8

Doppler developments in the last quinquennium. Wells PN, et al. **Ultrasound Med Biol** 1985 Jul–Aug;11(4):613–23 (78 ref.)

Duplex scanning of the thyroid. Woodcock JP, et al. **Ultrasound Med Biol** 1985 Jul–Aug;11(4):659–63

Performance measurements of manual and real-time scanners using a new tissue-mimicking phantom. Zagzebski JA, et al. **Ultrasound Med Biol** 1983;Suppl 2:175–8

[Ultrasonically-guided kidney biopsy] von Bonsdorff M, et al. **Duodecim** 1985;101(16):1557–61 (Eng. Abstr.) (Fin)

[Endoscopic sonography of the upper gastrointestinal tract (letter)] Classen M, et al. **Dtsch Med Wochenschr** 1986 Sep 12;111(37):1421–2 (Ger)

[Vaginosonographic pelvimetry as a new method of the sonographic determination of internal pelvic measurements] Deutinger J, et al. **Geburtshilfe Frauenheilkd** 1986 Jun; 46(6):345–7 (Eng. Abstr.) (Ger)

[Prenatal diagnosis from chorionic villi: results in Münster] Holzgreve W, et al. **Geburtshilfe Frauenheilkd** 1986 May; 46(5):312–3 (Eng. Abstr.) (Ger)

[Breast sonography with high-frequency short-focusing transducers] Schröcksnadel H, et al. **Geburtshilfe Frauenheilkd** 1986 Mar;46(3):140–4 (Eng. Abstr.) (Ger)

[A simplified ultrasonographic measuring technic in combination with a computer program for calculating the power of intraocular lenses] Hauff W, et al. **Klin Monatsbl Augenheilkd** 1985 Dec;187(6):512–6 (Eng. Abstr.) (Ger)

[Use of ultrasonic tomography for diagnosis of focal breast lesions (experiences with a high-resolution real-time- and compound-scanner)] Grosche N, et al. **Radiol Diagn (Berl)** 1985;26(6):787–98 (Eng. Abstr.) (Ger)

[5MHz realtime sonography of the breast. 1. Technical equipment studies] Teubner J, et al. **Radiologe** 1985 Oct; 25(10):449–56 (Eng. Abstr.) (Ger)

[Technical aspects of the use of ultrasound diagnosis in surgical interventions] Klotter HJ, et al. **Ultraschall Med** 1986 Apr;7(2):76–82 (Eng. Abstr.) (Ger)

[Quality assurance in ultrasound diagnostic equipment in West Germany. Experiences with current regulations] Trier HG. **Ultraschall Med** 1985 Oct;6(5):255–64 (Eng. Abstr.) (Ger)

[Simple extension of an ultrasound B image device to a cw duplex scanner for carotid artery studies] Widder B. **Ultraschall Med** 1985 Oct;6(5):286–90 (Eng. Abstr.) (Ger)

[Sonography of the penis shaft] Widmann T, et al. **Z Urol Nephrol** 1985 Sep;78(9):475–9 (Eng. Abstr.) (Ger)

[Measurement of renal transplant blood flow by ultrasonic duplex system combined Doppler flowmeter with B-mode scanner] Akiyama T, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Apr;77(4):523–9 (Eng. Abstr.) (Jpn)

[Use of the UST-554-5 head attached to the SS-D Aloka ultrasonograph for evaluation of the common carotid artery and its bifurcation] Kryst T, et al. **Neurol Neurochir Pol** 1985 Jul–Aug;19(4):333–7 (Pol)

[Small-size piezotransducer with elastic protector for dynamic studies of biological objects] Simonov LG, et al. **Kosm Biol Aviakosm Med** 1985 Sep–Oct;19(5):81–2 (Rus)

[Experience in the use of flexible echo-probes in the ultrasonic diagnosis of tumors of the oral cavity] Fazylov AA, et al. **Med Tekh** 1986 Mar–Apr;(2):48–50 (Eng. Abstr.) (Rus)

[Echo-oculometer EOM-23] Timofeeva TE. **Med Tekh** 1986 May–Jun;(3):47–8 (Rus)

[Ultrasonic device for studying respiratory movements of the fetus] Voronin KV, et al. **Med Tekh** 1986 May–Jun;(3):36–8 (Eng. Abstr.) (Rus)

[Possibilities for the hemodynamic study of the eye using the Dopscan ultrasonic apparatus] Fedorov SN, et al. **Oftalmol Zh** 1986;(3):169–72 (Eng. Abstr.) (Rus)

METHODS

Renal size parameter. A sonographic method for measuring lumbar vertebral height in children. Hederström E. **Acta Radiol [Diagn] (Stockh)** 1985 Nov–Dec;26(6):693–6

Choroid plexus papilloma: detection by real-time and Doppler sonography. Chow PP, et al. **AJNR** 1986 Jan–Feb; 7(1):168–70

Transrectal sonography of benign and malignant prostatic lesions. Burks DD, et al. **AJR** 1986 Jun;146(6):1187–91

Pancreatic sonography: enhancement by metoclopramide. duCret RP, et al. **AJR** 1986 Feb;146(2):341–3

Time requirements for intraoperative neurosonography. Quencer RM, et al. **AJR** 1986 Apr;146(4):815–8

Hemorrhagic focal bacterial nephritis: findings on gray-scale sonography and CT. Rigsby CM, et al. **AJR** 1986 Jun; 146(6):1173–7

The air bronchogram: sonographic demonstration. Weinberg B, et al. **AJR** 1986 Sep;147(3):593–5

Assessment of ventricular shunt patency by sonography: a new noninvasive test. Widder DJ, et al. **AJR** 1986 Aug; 147(2):353–6

Diagnosis of cerebral atrophy in infants by near-field cranial sonography. Fischer AQ, et al. **Am J Dis Child** 1986 Aug; 140(8):774–7

Clinical utility of pulsed Doppler flowmetry in patients with portal hypertension. Ohnishi K, et al. **Am J Gastroenterol** 1986 Jan;81(1):1–8

Uterine artery Doppler velocimetry in pregnant women with hypertension. Fleischer A, et al. **Am J Obstet Gynecol** 1986 Apr;154(4):806–13

Efficacy of mathematical methods for ultrasound examinations in diabetic pregnancies. Rossavik IK, et al. **Am J Obstet Gynecol** 1986 Sep;155(3):638–44

Investigations of dilated ureters in children. Schneider K, et al. **Ann Radiol (Paris)** 1986;29(3–4):424–8

Continuous-wave versus range-gated pulsed Doppler power frequency spectrum analysis in the detection of carotid arterial occlusive disease. Harward TR, et al. **Ann Surg** 1986 Jul;204(1):32–7

Endosonographic staging of carcinoma of the uterine cervix. Bernaschek G, et al. **Arch Gynecol** 1986;239(1):21–6

Open direct ultrasonography: a new useful diagnostic method during gynecologic surgery. Igarashi M, et al. **Asia Oceania J Obstet Gynaecol** 1985 Dec;11(4):477–88

An evaluation of three ultrasound equations for fetal weight prediction. Wong F, et al. **Aust NZ J Obstet Gynaecol** 1985 Nov;25(4):271–2

Ultrasonic tissue differentiation through the acoustic differential backscattering coefficient. Botros N, et al. **Biomed Sci Instrum** 1986;22:133–6

Valvar prosthetic dysfunction. Localisation and evaluation of the dysfunction using the Doppler technique. Veyrat C, et al. **Br Heart J** 1985 Sep;54(3):273–84

Renal artery stenosis: duplex Doppler evaluation. Dubbins PA. **Br J Radiol** 1986 Mar;59(699):225–9

Renal carcinoma: duplex Doppler evaluation. Dubbins PA, et al. **Br J Radiol** 1986 Mar;59(699):231–6

Ultrasonography of the normal adrenal glands: a study using linear-array real-time equipment. Zappasodi F, et al. **Br J Radiol** 1986 Aug;59(704):759–64

Prenatal screening for congenital heart disease. Allan LD, et al. **Br Med J [Clin Res]** 1986 Jun 28;292(6537):1717–9

Ovarian ultrasonography highlights precision of symptoms of ovulation as markers of ovulation. Depares J, et al. **Br Med J [Clin Res]** 1986 Jun 14;292(6535):1562

Percutaneous deflation of a retained Foley catheter balloon with ultrasound guidance. Lewandowski B, et al. **Can Med Assoc J** 1986 Apr 15;134(8):915–6

Transrectal ultrasonography for prostatic cancer. II. The response of the prostate to definitive radiotherapy. Fujino A, et al. **Cancer** 1986 Mar 1;57(5):935–40

The role of continuous wave Doppler imaging in a vascular unit. Hames TK, et al. **Cardiovasc Res** 1985 Oct; 19(10):631–5

A new sensitive method for the quantification of internal carotid stenoses by means of ultrasound Doppler signal processing. Paulat K, et al. **Cardiovasc Res** 1985 Nov; 19(11):714–20

Evaluation of echographic diagnosis of rectal cancer using intrarectal ultrasonic examination. Saitoh N, et al. **Dis Colon Rectum** 1986 Apr;29(4):234–42

Endoscopic ultrasonography of an arteriovenous malformation in a gastric polyp. Tio TL, et al. **Endoscopy** 1986 Jul;18(4):156–8

Fat as a factor affecting resolution in diagnostic ultrasound: possibilities for improving picture quality. Fiegler W, et al. **Eur J Radiol** 1985 Nov;5(4):304–9

Ultrasonography of the pancreatic tail through spleen and through fluid-filled stomach. Päivänsalo M, et al. **Eur J Radiol** 1986 May;6(2):113–5

Ultrasound evaluation of atherosclerosis. Methodological problems and technological developments. Pignoli P, et al. **Eur Surg Res** 1986;18(3–4):238–53 (68 ref.)

Suprapubic ultrasonography in the follow-up of superficial bladder tumors. Boccon-Gibod L, et al. **Eur Urol** 1985; 11(5):317–9

Transvaginal sector scan sonography for needle guided transvaginal follicle aspiration and other applications in gynecologic routine and research. Feichtinger W, et al. **Fertil Steril** 1986 May;45(5):722–5

Endoscopic ultrasonography of non-Hodgkin lymphoma of the stomach. Tio TL, et al. **Gastroenterology** 1986 Aug; 91(2):401–8

Transperineal fine needle biopsy of gynecological tumors guided by transrectal ultrasound: a new method. Larsen T, et al. **Gynecol Oncol** 1985 Nov;22(3):281–7

Quantitative tissue characterization based on pulsed-echo ultrasound scans. Walach E, et al. **IEEE Trans Biomed Eng** 1986 Jul;33(7):637–43

Doppler spectrum analysis and vascular imaging in the diagnosis of extracranial carotid artery disease. Pourcelot L, et al. **Int Angiol** 1985 Jan–Mar;4(1):59–68

An algorithmic approach to accurate ultrasonic fetal weight estimation. Birnholz JC. **Invest Radiol** 1986 Jul;21(7):571–6

Quantitative assessment of burn injury in porcine skin with high-frequency ultrasonic imaging. Brink JA, et al. **Invest Radiol** 1986 Aug;21(8):645–51

Prediction of tissue composition from ultrasonic measurements and mixture rules. Apfel RE. **J Acoust Soc Am** 1986 Jan;79(1):148–52

Wave equations in linear viscoelastic materials. Charlier JP, et al. **J Acoust Soc Am** 1986 Apr;79(4):895–900

Application of stochastic analysis to ultrasonic echoes—estimation of attenuation and tissue heterogeneity from peaks of echo envelope. He P, et al. **J Acoust Soc Am** 1986 Feb;79(2):526–34

A general model for the absorption of ultrasound by biological tissues and experimental verification. Jongen HA, et al. **J Acoust Soc Am** 1986 Feb;79(2):535–40

Right atrial flow topography in healthy subjects studied with real-time two-dimensional Doppler flow imaging technique. Miyatake K, et al. **J Am Coll Cardiol** 1986 Feb; 7(2):425–31

Nonspecificity in the ultrasonographic appearance of angiomyolipoma. Hill JC. **J Am Osteopath Assoc** 1986 Apr;

86(4):235–9
Ultrasonic characterization of biological tissues. Shung KK. **J Biomech Eng** 1985 Nov;107(4):309–14
Detection of an asymptomatic gastroduodenal artery aneurysm by real–time and pulsed Doppler sonography. Dufresne MP, et al. **J Can Assoc Radiol** 1986 Mar; 37(1):40–1
Angiosonography of patent ductus arteriosus in neonates. Keller MS, et al. **J Can Assoc Radiol** 1985 Sep;36(3):223–5
A relationship between ultrasonic integrated backscatter and myocardial contractile function. Wickline SA, et al. **J Clin Invest** 1985 Dec;76(6):2151–60
Can surgeons rely on ultrasonography for gallstones? Hershman MJ, et al. **J R Coll Surg Edinb** 1986 Feb; 31(1):35–6
The limitations of ultrasound in thyroid swellings. Al Sayer HM, et al. **J R Coll Surg Edinb** 1986 Feb;31(1):27–31
Ultrasonographic prenatal diagnosis of hydranencephaly. A case report. Hadi HA, et al. **J Reprod Med** 1986 Apr; 31(4):254–6
Prenatal diagnosis of a congenital mesoblastic nephroma. A case report. Yambao TJ, et al. **J Reprod Med** 1986 Apr; 31(4):257–9
B–mode ultrasound evaluation of skin thickness in progressive systemic sclerosis. Myers SL, et al. **J Rheumatol** 1986 Jun;13(3):577–80
The selected use of ultrasound mammography to improve diagnostic accuracy in carcinoma of the breast. Frazier TG, et al. **J Surg Oncol** 1985 Aug;29(4):231–2
Evaluation of canine renal transplants with pulsed Doppler duplex sonography. Berland LL, et al. **J Surg Res** 1985 Nov;39(5):433–8
A technique for mid–trimester termination of pregnancies with severe oligohydramnios. Abramson A, et al. **J Ultrasound Med** 1985 Oct;4(10):551–2
Breast sonotomography and high–frequency, hand–held, real–time sonography: a clinical comparison. Fleischer AC, et al. **J Ultrasound Med** 1985 Nov;4(11):577–81
Deep venous thrombosis: detection by probe compression of veins. Raghavendra BN, et al. **J Ultrasound Med** 1986 Feb;5(2):89–95
Minicomputer–based system for obstetric ultrasound analysis, with multi–user and networking capability. Simon NV, et al. **J Ultrasound Med** 1985 Oct;4(10):545–50
Immobilization for pediatric ultrasonography. Taus RH, et al. **J Ultrasound Med** 1986 Jan;5(1):53–4
Transurethral ultrasonography in bladder cancer. Resnick MI, et al. **J Urol** 1986 Feb;135(2):253–5
Duplex scanning in the assessment of deep venous incompetence. Szendro G, et al. **J Vasc Surg** 1986 Sep; 4(3):237–42
Amebic liver abscess: sonographic diagnosis and management. Berry M, et al. **JCU** 1986 May;14(4):239–42
Production of microbubbles for use as echo contrast agents. Butler BD. **JCU** 1986 Jun;14(5):408–12
Diagnosis of renal pseudoaneurysms by pulsed Doppler ultrasound. Chou YH, et al. **JCU** 1985 Nov–Dec; 13(9):662–6
Use of femur length as a means of assessing M–mode ventricular dimensions during second and third trimesters of pregnancy in normal fetus. De Vore GR, et al. **JCU** 1985 Nov–Dec;13(9):619–25
Evaluation of three methods for estimating fetal weight. Hill LM, et al. **JCU** 1986 Mar–Apr;14(3):171–8
Range ambiguity in pulsed Doppler ultrasound: the ambiguity clarified? Jawad IA, et al. **JCU** 1985 Sep;13(7):475–9
A simple phantom for ultrasound–guided biopsy. McNamara MP Jr. **JCU** 1985 Nov–Dec;13(9):690–2
Third–dimension sweep: new scanning method in diagnostic ultrasound. Weinraub Z, et al. **JCU** 1985 Sep;13(7):513–5
Cystic renal mass evaluation: real–time versus static imaging. Weinreb JC, et al. **JCU** 1986 Jan;14(1):29–35
Recent progress in ultrasonic diagnosis of the heart: Doppler flow imaging. Nimura Y, et al. **Jpn Circ J** 1985 Jul; 49(7):694–701
Bedside diagnosis of stenosis of middle cerebral artery [letter] Kirkham FJ, et al. **Lancet** 1986 Apr 5;1(8484):797–8
Detection of low–grade arterial stenosis using an automatic minimum–flow–velocity tracking system (MVTS) as an adjunct to pulsed ultrasonic Doppler vessel imaging. Calil SJ, et al. **Med Biol Eng Comput** 1985 Jul;23(4):311–23
Comparison of correlation and modulus difference processing algorithms for the determination of foetal heart rate from ultrasonic Doppler signals. Manning GK, et al. **Med Biol Eng Comput** 1986 Mar;24(2):121–9
Transcranial Doppler sonography as a non–invasive guide for the transvascular treatment of an inoperable basilar–artery aneurysm. Ringelstein EB, et al. **Neurol Res** 1985 Dec;7(4):171–6
Intraoperative ultrasonography with a cystoscope for the biopsy of a deep–seated brain lesion: case study. Greenberg IM. **Neurosurgery** 1986 Jul;19(1):49–58
Ultrasound guided fine–needle biopsy of abdominal mass lesions. Mok PM, et al. **NZ Med J** 1986 Feb 26; 99(796):111–3
Ultrasound–guided fetal blood transfusion for severe rhesus isoimmunization. de Crespigny LC, et al. **Obstet Gynecol** 1985 Oct;66(4):529–32
Effects of ultrasound feedback on pregnancy anxiety, fetal activity, and neonatal outcome. Field T, et al. **Obstet Gynecol** 1985 Oct;66(4):525–8
Intraoperative real–time ultrasonography during intrauterine tandem placement. Grassi CO, et al. **Obstet Gynecol** 1986 Jan;67(1):112–4
Ultrasound cystourethrography by perineal scanning for the assessment of female stress urinary incontinence. Kohorn EI, et al. **Obstet Gynecol** 1986 Aug;68(2):269–72
Fetal liver ultrasound measurements during normal pregnancy. Vintzileos AM, et al. **Obstet Gynecol** 1985 Oct; 66(4):477–80
Differential diagnosis of intra– and perivesical abnormalities using bladder air/CO2 contrast sonography. Schneider K, et al. **Pediatr Radiol** 1986;16(4):309–12
The improved ultrasound diagnosis of hypertrophic pyloric stenosis. Stunden RJ, et al. **Pediatr Radiol** 1986;16(3):200–5
Perceptual studies on ultrasonic B–scan textures. Chivers RC, et al. **Phys Med Biol** 1986 Jun;31(6):627–34
Noninvasive Doppler flowmetry for measuring regional blood flow. Greene ER, et al. **Postgrad Med** 1985 Nov 1;78(6):165–9, 172–3, 177–8
Transrectal ultrasound in the diagnosis of prostate cancer: location, echogenicity, histopathology, and staging. Lee F, et al. **Prostate** 1985;7(2):117–29
A combined biparietal diameter and abdominal circumference graph: using a system velocity of 1540 metres per second. Farrant P, et al. **Radiography** 1985 Jul–Aug;51(598):220–1
Duplex ultrasonography: its expanding role in noninvasive vascular diagnosis. Grant EG. **Radiol Clin North Am** 1985 Sep;23(3):563–82 (47 ref.)
Frequency–demodulated US: evaluation in the liver. Work in progress. Aufrichtig D, et al. **Radiology** 1986 Jul; 160(1):59–64
Differentiation of pulmonary parenchymal consolidation from pleural disease using the sonographic fluid bronchogram. Dorne HL. **Radiology** 1986 Jan;158(1):41–2
Transducer frequency considerations in intraoperative US of the spine. Gooding GA, et al. **Radiology** 1986 Jul; 160(1):272–3
Plastic wrap for US transducer sterility or sanitization. Laing FC, et al. **Radiology** 1986 Sep;160(3):846
Prostatic evaluation by transrectal sonography: criteria for diagnosis of early carcinoma. Lee F, et al. **Radiology** 1986 Jan;158(1):91–5
Caroli disease: high–frequency US and pathologic findings. Marchal GJ, et al. **Radiology** 1986 Feb;158(2):507–11
Neonatal uterine morphology as seen on real–time US. Nussbaum AR, et al. **Radiology** 1986 Sep;160(3):641–3
Catheter–induced hyperreflexia in spinal cord injury patients: diagnosis by sonographic voiding cystourethrography. Perkash I, et al. **Radiology** 1986 May;159(2):453–5
Acute appendicitis: US evaluation using graded compression. Puylaert JB. **Radiology** 1986 Feb;158(2):355–60
Prostatic evaluation by transrectal endosonography: detection of carcinoma. Rifkin MD, et al. **Radiology** 1986 Jan;158(1):85–90
Technical factors responsible for "placental migration": sonographic assessment. Townsend RR, et al. **Radiology** 1986 Jul;160(1):105–8
Absolute flow measurements using pulsed Doppler US. Work in progress. Walter JP, et al. **Radiology** 1986 May; 159(2):545–8
Ultrasonically guided subsegmentectomy. Makuuchi M, et al. **Surg Gynecol Obstet** 1985 Oct;161(4):346–50
Influence of pulse–wave ultrasonic irradiation on the prenatal development of mouse. Takabayashi T, et al. **Tohoku J Exp Med** 1985 Dec;147(4):403–10
Modelling and restoration of ultrasonic phased–array B–scan images. Ardouin JP, et al. **Ultrason Imaging** 1985 Oct; 7(4):321–44
Comment on Vaknine, R. and Lorenz, W.J. Lateral filtering of medical ultrasonic B–scans before image generation. Dickinson RJ. **Ultrason Imaging** 1985 Apr;7(2):198–200
Lipid emulsions as contrast agents for hepatic sonography: an experimental study in rabbits. Fink IJ, et al. **Ultrason Imaging** 1985 Apr;7(2):191–7
Speckle reduction in pulse echo imaging using phase insensitive and phase sensitive signal processing techniques. Kerr AT, et al. **Ultrason Imaging** 1986 Jan;8(1):11–28
Prior inverse filtering for the improvement of axial resolution. Kim JH, et al. **Ultrason Imaging** 1985 Apr;7(2):179–90
Specular reflector noise: effect and correction for in vivo attenuation estimation. Laugier P, et al. **Ultrason Imaging** 1985 Oct;7(4):277–92
A new scan conversion algorithm for ultrasound compound scanning. Lee SW, et al. **Ultrason Imaging** 1985 Jul; 7(3):215–24
Quantitative assessment of in vivo backscatter enhancement from gelatin microspheres. Ophir J, et al. **Ultrason Imaging** 1985 Oct;7(4):293–9
Reflection mode diffraction tomography. Roberts BA, et al. **Ultrason Imaging** 1985 Oct;7(4):300–20
Analysis of a system for ultrasonic imaging of attenuation and texture in soft tissue. Salomonsson G, et al. **Ultrason Imaging** 1985 Jul;7(3):225–43
Replacing x–ray diagnostic procedures by urosonography. Bartels H, et al. **Ultrasound Med Biol** 1983;Suppl 2:517–9
Estimation of fetal age by echographic diagnosis of ossification centres in the fetal knee. Bernaschek G. **Ultrasound Med Biol** 1983;Suppl 2:589–91
Quantitative contrast measurements in B–mode images comparison between experiment and theory. Bly SH, et al. **Ultrasound Med Biol** 1986 Mar;12(3):197–208
Preoperative localization of parathyroid tumours by high resolution sonography. Brabant G, et al. **Ultrasound Med Biol** 1983;Suppl 2:393–6
The early diagnosis of fetal structural abnormalities. Campbell S, et al. **Ultrasound Med Biol** 1983;Suppl 2:547–63
A system for rapid analysis of the femoral blood velocity waveform at the bedside. Capper WL, et al. **Ultrasound Med Biol** 1986 Jan;12(1):31–8
In vitro estimation of acoustic parameters of the liver and correlations with histology. Cloostermans MJ, et al. **Ultrasound Med Biol** 1986 Jan;12(1):39–51
Ultrasound of the pleural space with cytological and/or bacteriological correlation: a study of 65 cases. Curati WL, et al. **Ultrasound Med Biol** 1983;Suppl 2:345–9
Neurosurgical intra–operative ultrasound: tumor localization and characterization. Engel IA, et al. **Ultrasound Med Biol** 1983;Suppl 2:353–6
In vivo attenuation estimation in reflection mode. Fink M, et al. **Ultrasound Med Biol** 1983;Suppl 2:117–22
Serial sonographic monitoring of intracranial hemorrhage (ICH) and its sequelae in the preterm neonate. Fleischer A, et al. **Ultrasound Med Biol** 1983;Suppl 2:357–62
Non–invasive and quantitative measurement of volume flow–rate at internal and external carotid and vertebral arteries. Furuhata H, et al. **Ultrasound Med Biol** 1983;Suppl 2:239–42
Ultrasonographic and endocrinological studies of ovarian function. Geisthövel F, et al. **Ultrasound Med Biol** 1983; Suppl 2:603–8
Establishment of normal ranges for ovarian volumes and identification of enlarged ovaries by real–time mechanical sector sonar in postmenopausal women. Goswamy RK, et al. **Ultrasound Med Biol** 1983;Suppl 2:615–9
Early fetal movements are useful for estimating the gestational weeks in the first trimester of pregnancy. Goto S, et al. **Ultrasound Med Biol** 1983,Suppl 2:577–82
Evaluation of material obtained by ultrasonically guided puncture. Grønvall S, et al. **Ultrasound Med Biol** 1983; Suppl 2:439–40
The accuracy of duplex scanning in the evaluation of early carotid disease. Hames TK, et al. **Ultrasound Med Biol** 1985 Nov–Dec;11(6):819–25
The validation of duplex scanning and continuous wave Doppler imaging: a comparison with conventional angiography. Hames TK, et al. **Ultrasound Med Biol** 1985 Nov–Dec;11(6):827–34
Transurethral and transrectal ultrasonic scanning. Holm HH, et al. **Ultrasound Med Biol** 1983;Suppl 2:531–3
Interventional ultrasound. Holm HH, et al. **Ultrasound Med Biol** 1983;Suppl 2:429–37
Analysis of the portal vein flow with two–dimensional echo–Doppler method. Kawamura S, et al. **Ultrasound Med Biol** 1983;Suppl 2:511–5
Factors critical to highly accurate diagnoses of malignant breast pathologies by ultrasound imaging. Kelly–Fry E, et al. **Ultrasound Med Biol** 1983;Suppl 2:415–21
Transcranial measurement of blood velocities in the basal cerebral arteries using pulsed Doppler ultrasound: velocity as an index of flow. Kirkham FJ, et al. **Ultrasound Med Biol** 1986 Jan;12(1):15–21
Sources of variability in carotid duplex examination: a prospective study. Kohler T, et al. **Ultrasound Med Biol** 1985 Jul–Aug;11(4):571–6
Acoustic microscopy for tissue characterization. Kolosov O, et al. **Ultrasound Med Biol** 1983;Suppl 2:163–5
Quo vadis ultrasound. Kossoff G. **Ultrasound Med Biol** 1983; Suppl 2:9–12
Frequency–dependent attenuation in breast tissue characterization. Landini L, et al. **Ultrasound Med Biol** 1985 Jul–Aug;11(4):599–603
Fetal biometric data obtained in a sole population with emphasis to sex differences. Levi S, et al. **Ultrasound Med Biol** 1983;Suppl 2:593–6
Non–invasive ultrasonic cardiac output measurement in intensive care unit. Levy BI, et al. **Ultrasound Med Biol** 1985 Nov–Dec;11(6):841–9
Transgastric sonography in pancreatic diseases. Lutz H, et al. **Ultrasound Med Biol** 1983;Suppl 2:465–7
The value of pre– and post–processing of liver images in the detection of liver masses. Madrazo BL, et al. **Ultrasound Med Biol** 1983;Suppl 2:149–50
Intraoperative ultrasonic examination for hepatectomy. Makuuchi M, et al. **Ultrasound Med Biol** 1983;Suppl 2:493–7
B–scan texture classification: a study using physical and theoretical models. Nassiri DK, et al. **Ultrasound Med Biol** 1983;Suppl 2:133–9
Tissue characterization from ultrasound B–scan data. Nicholas D, et al. **Ultrasound Med Biol** 1986 Feb; 12(2):135–43
Real–time in vivo diffraction scanning. Nicholas D, et al. **Ultrasound Med Biol** 1983;Suppl 2:141–4
New approach to noninvasive assessment of blood flow in the major arteries in the abdomen by two–dimensional Doppler echography. Nimura Y, et al. **Ultrasound Med Biol** 1983;Suppl 2:447–51
Transcranial measurement of blood velocities in the basal cerebral arteries using pulsed Doppler ultrasound: a method of assessing the Circle of Willis. Padayachee TS, et al. **Ultrasound Med Biol** 1986 Jan;12(1):5–14
A scoring system for the morphological ultrasonic assessment of foetal well–being and maturation. Picker RH. **Ultrasound Med Biol** 1983;Suppl 2:597–601
Characterisation of carotid artery disease: comparison of

duplex scanning with histology. Ratliff DA, et al. **Ultrasound Med Biol** 1985 Nov–Dec;11(6):835–40

Doppler sonography and B-scanning in renal surgery. Riedmiller H, et al. **Ultrasound Med Biol** 1983;Suppl 2:527–30

Quantitative sonography. Robinson DE, et al. **Ultrasound Med Biol** 1986 Jul;12(7):555–65 (34 ref.)

In vivo measurement of sound speed with pulsed echo ultrasound. Robinson DE, et al. **Ultrasound Med Biol** 1983; Suppl 2:123–6

Sonographical detection of free gas in the peritoneal cavity. Seitz K, et al. **Ultrasound Med Biol** 1983;Suppl 2:453–7

Advanced ultrasound evaluation of fetal hydrocephaly. Sharma S, et al. **Ultrasound Med Biol** 1983;Suppl 2:569–72

Imaging ultrasonography during blood vessel operations. Sigel B, et al. **Ultrasound Med Biol** 1983;Suppl 2:231–3

In vivo stochastic ultrasonic characterisation of abdominal tissues. Sommer G, et al. **Ultrasound Med Biol** 1983;Suppl 2:113–5

Real-time ultrasound evaluation of renal transplant failure during the early postoperative period. Swobodnik WL, et al. **Ultrasound Med Biol** 1986 Feb;12(2):97–105

Sonographic morphology of the breast. Teubner J, et al. **Ultrasound Med Biol** 1983;Suppl 2:397–405

Ocular tissue characterization by RF-signal analysis: results and experience of a 4 year in vivo-study. Trier HG. **Ultrasound Med Biol** 1983;Suppl 2:157–61

Staging of bladder tumors by transurethral ultrasound tomography. Walther V, et al. **Ultrasound Med Biol** 1983; Suppl 2:535–9

An objective feature extraction technique applied to the Doppler waveforms from the groin: a prospective study. Walton L, et al. **Ultrasound Med Biol** 1983;Suppl 2:263–8

Diagnostic accuracy and its limitations in prostatic cancer by means of transrectal ultrasonotomography. Watanabe H, et al. **Ultrasound Med Biol** 1983;Suppl 2:541–4

Measurement of stomach volume by real-time ultrasound. Whittingham TA, et al. **Ultrasound Med Biol** 1983;Suppl 2:459–63

The use of ultrasound in a human in vitro fertilization program. Wikland M, et al. **Ultrasound Med Biol** 1983; Suppl 2:609–13

Liver tissue characterization using computerized echography. Zuna I, et al. **Ultrasound Med Biol** 1983;Suppl 2:145–8

Experimental investigations on intracavity sonography. Part 2: Alteration of imaging by artificial alterations in the wall of isolated porcine urinary bladders. Jaeger N, et al. **Urol Res** 1986;14(1):15–9

Experimental investigations on intracavity sonography. Part 1: Alteration of imaging by variation of the contents of rigid hollow receptacles or isolated porcine urinary bladders. Jaeger N, et al. **Urol Res** 1986;14(1):9–14

Does an antifoaming agent improve the quality of abdominal ultrasonography? A double-blind study with special reference to the pancreas, the aorta and the para-aortic region. Lembcke B, et al. **Z Gastroenterol** 1985 Nov; 23(11):628–31

The diagnosis and course of antenatal urinary tract dilatation. Kullendorff CM, et al. **Z Kinderchir** 1986 Apr;41(2):104–6

[Intraoperative echographic control over the radical extent of transurethral resection in bladder tumors] Kumanov Kh, et al. **Khirurgiia (Sofiia)** 1986;39(2):32–6 (Eng. Abstr.) (Bul)

[Diagnosis of hepatic tumor by histogram pattern on the ultrasound image] Xu HS. **Chung Hua I Hsueh Tsa Chih** 1985 Oct;65(10):597–9 (Eng. Abstr.) (Chi)

[Gray scale ultrasound imaging of the normal pancreas. An analysis of 250 normal pancreas measurements] Zhao YQ. **Sun Chuan I Hsueh Yuan Hsueh Pao** 1985 Jun;16(2):158–61 (Eng. Abstr.) (Chi)

[Diagnosis of the biocomposition of bone tissue using an ultrasonic transmission method] Květ V, et al. **Acta Chir Orthop Traumatol Cech** 1986 Apr;53(2):103–11 (Eng. Abstr.) (Cze)

[Examination using ultrasonic endoprobes in urology] Zát'ura F. **Rozhl Chir** 1985 Nov;64(11):729–33 (Eng. Abstr.) (Cze)

[Determination of the value of spectrum analysis of the Doppler signal in the assessment of the carotid artery bifurcation] Van Baalen JM, et al. **Acta Chir Belg** 1986 Jan–Feb;86(1):31–6 (Eng. Abstr.) (Dut)

[Tumors of the bladder and peroperative genitourinary ultrasonography. A proposal for echographic classification] Lardennois B, et al. **Acta Urol Belg** 1986;54(2):188–204 (Eng. Abstr.) (Fre)

[Correlation between echography B and pathological anatomy: apropos of 13 eyeballs enucleated for tumor] Malan P, et al. **Bull Soc Ophtalmol Fr** 1985 Apr;85(4):457–9 (Eng. Abstr.) (Fre)

[X-ray computed tomography and echography B in the localization of metallic intraocular foreign bodies. Apropos of 33 cases] Turut P, et al. **Bull Soc Ophtalmol Fr** 1985 Feb;85(2):225–7 (Eng. Abstr.) (Fre)

[Real-time echographic study of the main axis of well-circumscribed solid breast tumors] Bronbart JC, et al. **J Belge Radiol** 1985;68(5):341–3 (Eng. Abstr.) (Fre)

[Echographic measurement of post-micturition urine volume: description of a simplified method for use in gynecology and obstetrics] Extermann P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1985;14(7):861–5 (Eng. Abstr.) (Fre)

[Prediction of ovulation by echographic monitoring and the appearance of the double outline of the follicle] Jaffe R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1985;14(7):867–9 (Eng. Abstr.) (Fre)

[Codus: a coding system for ultrasonic examinations] Hassan M, et al. **J Radiol** 1986 Feb;67(2):163–8 (Eng. Abstr.) (Fre)

[Evaluation of 524 cervicoencephalic Doppler studies in ocular pathology] Warter G. **Ophthalmologica** 1985; 191(3):154–60 (Eng. Abstr.) (Fre)

[The Doppler apparatus and digestive surgery] Huber OF. **Schweiz Rundsch Med Prax** 1985 Jun 4;74(23):619–21 (Eng. Abstr.) (Fre)

[Controlled ultrasound therapy of the fetus] Hansmann M. **Arch Gynecol** 1985;238(1–4):169–84 (Ger)

[Round table discussion: ultrasound diagnosis of the head and neck] **Arch Otorhinolaryngol [Suppl]** 1985;2:198–211 (Ger)

[Ultrasound diagnosis of the neonatal and infant hip with special reference to the detection of the decentering effect] Merk H, et al. **Beitr Orthop Traumatol** 1986 Mar; 33(3):154–61 (Eng. Abstr.) (Ger)

[Experiences with sonography of the dislocated hip] Weickert H, et al. **Beitr Orthop Traumatol** 1985 Jul; 32(7):347–57 (Eng. Abstr.) (Ger)

[Realtime sonography of intrascrotal space-occupying lesions] Brockmann WP, et al. **Digitale Bilddiagn** 1986 Jun; 6(2):86–92 (Eng. Abstr.) (Ger)

[Ultrasonic endoscopy. An assessment after 3 years] Heyder N, et al. **Dtsch Med Wochenschr** 1986 Feb 28;111(9):324–8 (Eng. Abstr.) (Ger)

[Endoscopic ultrasonography of the upper gastrointestinal tract] Strohm WD. **Dtsch Med Wochenschr** 1986 May 16; 111(20):788–90 (Ger)

[Ultrasound endoscopy—enrichment of gastrointestinal diagnosis] Heyder N. **Fortschr Med** 1985 Nov 21; 103(43):1004–6 (Eng. Abstr.) (Ger)

[Sonography in the diagnosis of pleuropulmonary disease] Kaemmerer H, et al. **Fortschr Med** 1986 Jun 12; 104(22):441–3 (Eng. Abstr.) (Ger)

[Endoscopic Doppler sonography in gastroenterology] Schmitt W, et al. **Fortschr Med** 1985 Sep 5;103(33):785–9 (Eng. Abstr.) (Ger)

[B-scan ultrasound in dermatology] Strasser W, et al. **Fortschr Med** 1986 Jul 3;104(25):495–8 (Eng. Abstr.) (Ger)

[Echographic findings of orbital vascular anomalies in conjunctival congestion as a key symptom] Hasenfratz G. **Fortschr Ophthalmol** 1986;83(3):275–8 (Eng. Abstr.) (Ger)

[Prenatal ophthalmologic echography] Rochels R, et al. **Fortschr Ophthalmol** 1986;83(2):240–1 (Eng. Abstr.) (Ger)

[Initial experiences with transvaginal sonography of the urethra and bladder within the scope of the diagnosis of incontinence] Debus-Thiede G, et al. **Geburtshilfe Frauenheilkd** 1985 Dec;45(12):891–4 (Eng. Abstr.) (Ger)

[Breast sonography with the new water bath scanning technics] Madjar H, et al. **Geburtshilfe Frauenheilkd** 1986 May;46(5):290–5 (Eng. Abstr.) (Ger)

[Is sonography useful in the diagnosis of hand surgery?] Linke E. **Handchir Mikrochir Plast Chir** 1986 Jul;18(4):222–4 (Eng. Abstr.) (Ger)

[Echographic findings and differential diagnosis in (peri-)orbital dermoid cysts] Rochels R, et al. **Klin Monatsbl Augenheilkd** 1986 Feb;188(2):101–4 (Eng. Abstr.) (Ger)

[Real-time sonography of the infant hip joint in the early diagnosis of congenital hip dysplasia] Casser HR, et al. **Klin Padiatr** 1985 Sep-Oct;197(5):398–408 (Eng. Abstr.) (Ger)

[Diagnosis of bilateral renal vein thrombosis in infancy by pulsed Doppler sonography of the renal vessels] Deeg KH, et al. **Klin Padiatr** 1985 Nov-Dec;197(6):467–72 (Eng. Abstr.) (Ger)

[High resolution real time sonography in tumors of the soft tissues of the neck] Eichhorn T, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Oct;64(10):506–12 (Eng. Abstr.) (Ger)

[Sonography of the thyroid gland] Pfannenstiel P, et al. **Lebensversicherungsmedizin** 1985 Nov 1;37(6):156–60 (Eng. Abstr.) (Ger)

[Endoscopic sonography—diagnostic progress in the upper digestive tract?] Dancygier H. **Leber Magen Darm** 1986 Mar;16(2):114–20 (Ger)

[Diagnosis of pleural effusion using sector sonography in childhood] Mühler E, et al. **Monatsschr Kinderheilkd** 1986 Mar;134(3):146–9 (Eng. Abstr.) (Ger)

[Ultrasound diagnosis: principles of application] Reither M. **Monatsschr Kinderheilkd** 1986 Jun;134(6):372–6 (Eng. Abstr.) (Ger)

[Sensitivity of abnormality screening within the scope of routine ultrasound diagnosis] Vutuc C, et al. **Off Gesundheitswes** 1986 Apr;48(4):176–8 (Eng. Abstr.) (Ger)

[Value and limitations of intravesical ultrasonic examination in determining the extent of bladder neoplasms] Rózsahegyi J, et al. **Radiol Diagn (Berl)** 1986;27(2):257–65 (Eng. Abstr.) (Ger)

[Value of angle measurements in hip sonography. Methodological and technical analysis] Zieger M, et al. **Radiologe** 1986 May;26(5):253–6 (Eng. Abstr.) (Ger)

[Quantitative technics in ultrasonic diagnosis] Zielke T, et al. **Radiologe** 1985 Oct;25(10):468–73 (Eng. Abstr.) (Ger)

[Occlusion or stenosis of the splenoportal axis. Supplementary information with duplex sonography?] Czembirek H, et al. **ROFO** 1985 Nov;143(5):530–3 (Eng. Abstr.) (Ger)

[Quantitative flow measurement of the carotid artery using a combination of intra-arterial digital subtraction angiography and ultrasound] Fiedler V, et al. **ROFO** 1985 Dec;143(6):655–60 (Eng. Abstr.) (Ger)

[Realtime sonography in the diagnosis and follow-up of malignant tongue tumors. II. Detection and staging] Frühwald F, et al. **ROFO** 1986 Feb;144(2):174–8 (Eng. Abstr.) (Ger)

[Real-time sonography in extranodal lymphoma] Gritzmann N, et al. **ROFO** 1986 Aug;145(2):144–9 (Eng. Abstr.) (Ger)

[High-resolution realtime sonography of varicoceles] Gritzmann N, et al. **ROFO** 1986 Feb;144(2):166–9 (Eng. Abstr.) (Ger)

[Subjective evaluation and quantitative gray-scale analysis in the sonographic diagnosis of diffuse changes in the liver parenchyma] Hess CF, et al. **ROFO** 1986 Aug;145(2):140–4 (Eng. Abstr.) (Ger)

[High-resolution 7.5-/10-MHz B-scan sonography for the localization of hyperparathyroid tumors] Zocholl G, et al. **ROFO** 1986 Apr;144(4):422–7 (Eng. Abstr.) (Ger)

[Venous diagnosis using duplex sonography] Stellamor K, et al. **Rontgenblatter** 1985 Nov;38(11):353–5 (Eng. Abstr.) (Ger)

[Transcranial Doppler sonography. A new method for the diagnosis of cerebrovascular diseases] Seiler R, et al. **Schweiz Med Wochenschr** 1986 May 10;116(19):626–34 (Eng. Abstr.) (Ger)

[When is a Doppler and B-image/duplex study of the carotid and vertebral arteries necessary?] Keller HM, et al. **Schweiz Rundsch Med Prax** 1986 Feb 25;75(9):217–21 (Eng. Abstr.) (Ger)

[Interventional sonography] Otto R. **Schweiz Rundsch Med Prax** 1985 Oct 8;74(41):1104–8 (Eng. Abstr.) (Ger)

[Quantification of gallbladder kinetics in hypothyroidism using a simple sonographic method] Bachmayer K. **Ultraschall Med** 1986 Jun;7(3):126–9 (Eng. Abstr.) (Ger)

[Evaluation of gallbladder kinetics using a very simple sonographic method] Bachmayer K. **Ultraschall Med** 1986 Jun;7(3):130–3 (Eng. Abstr.) (Ger)

[Cystic echinococcosis of the liver—problems of ultrasound diagnosis] Badea R, et al. **Ultraschall Med** 1986 Jun; 7(3):147–51 (Eng. Abstr.) (Ger)

[The micturition sonourogram: a new possibility for determining vesicorenal reflux in children] Beyer HJ, et al. **Ultraschall Med** 1985 Aug;6(4):182–8 (Eng. Abstr.) (Ger)

[Value of Doppler and duplex sonography studies of the extracranial carotid system performed by technical assistants] Felber S, et al. **Ultraschall Med** 1985 Oct; 6(5):282–5 (Eng. Abstr.) (Ger)

[Sonographic determination of spleen size: normal dimensions in adults with a healthy spleen] Frank K, et al. **Ultraschall Med** 1986 Jun;7(3):134–7 (Eng. Abstr.) (Ger)

[Echomorphology of the prostate] Frentzel-Beyme B, et al. **Ultraschall Med** 1986 Feb;7(1):7–16 (Eng. Abstr.) (Ger)

[Statistical principles for the validation of diagnostic procedures. A contribution to quality assurance exemplified by Doppler sonography] Herrmann F, et al. **Ultraschall Med** 1986 Apr;7(2):59–69 (Eng. Abstr.) (Ger)

[Visualization of the uterine fundus in intrauterine sonography] Hötzinger H, et al. **Ultraschall Med** 1985 Aug; 6(4):189–93 (Eng. Abstr.) (Ger)

[Determination of the acoustical properties of enamel, dentin and alveolar bone] Irion KM, et al. **Ultraschall Med** 1986 Apr;7(2):87–93 (Eng. Abstr.) (Ger)

[The tilted right-sided paramedian longitudinal section—sonographic imaging of the pancreas head and pancreas tail] König R. **Ultraschall Med** 1986 Jun; 7(3):145–6 (Eng. Abstr.) (Ger)

[Qualification and quality control in sonography] Loch EG, et al. **Ultraschall Med** 1985 Oct;6(5):250–4 (Eng. Abstr.) (Ger)

[Experimental studies in transurethral, intravesicular ultrasonographic research] Matouschek E. **Ultraschall Med** 1986 Feb;7(1):37–43 (Eng. Abstr.) (Ger)

[The concept of sonographic organ diagnosis—a contribution to quality assurance] Meudt R, et al. **Ultraschall Med** 1986 Apr;7(2):54–8 (Eng. Abstr.) (Ger)

[Sonographic imaging of the kidney cavity system using a ultrasonic contrast medium] Meyer-Schwickerath M, et al. **Ultraschall Med** 1986 Feb;7(1):34–6 (Eng. Abstr.) (Ger)

[Quality assurance of Doppler sonographic procedures] Neuerburg-Heusler D, et al. **Ultraschall Med** 1985 Oct; 6(5):270–8 (Eng. Abstr.) (Ger)

[Sonographic determination of the normal kidney volume in newborn infants and infants] Peters H, et al. **Ultraschall Med** 1986 Feb;7(1):25–9 (Eng. Abstr.) (Ger)

[Quality assurance of Doppler sonographic procedures—educational concepts of medical programs] Schäfer RD. **Ultraschall Med** 1985 Oct;6(5):279–81 (Eng. Abstr.) (Ger)

[Contrast sonography of the urinary tract in children]

Schneider K, et al. **Ultraschall Med** 1986 Feb;7(1):30–3 (Eng. Abstr.) (Ger)

[Results of sonographic diagnosis of choledochal calculi] Swobodnik W, et al. **Ultraschall Med** 1986 Jun;7(3):108–13 (Eng. Abstr.) (Ger)

[Use of 10 MHz ultrasonography in the determination of depth of burn injuries] Bauer J, et al. **Unfallchirurg** 1986 Jul;89(7):300–3 (Eng. Abstr.) (Ger)

[Sonography] Beyer D. **Verh Dtsch Ges Inn Med** 1985; 91:75–83 (Ger)

[Sonographic diagnosis of hypertrophic pyloric stenosis] Brandesky G, et al. **Wien Med Wochenschr** 1986 May 31; 136(10):235–7 (Eng. Abstr.) (Ger)

[Sonographic monitoring in blunt abdominal injuries in children] Menardi G, et al. **Wien Med Wochenschr** 1986 May 31;136(10):237–40 (Eng. Abstr.) (Ger)

[Transrectal and intravesical sonography. Method and value in modern urology] Riccabona M. **Wien Med Wochenschr** 1986 Feb 15;136(3):43–51 (Eng. Abstr.) (Ger)

[Remarks on sonography in obstetrics] Stummvoll W, et al. **Wien Med Wochenschr** 1986 Jun 30;136(11–12):280–6 (Eng. Abstr.) (Ger)

[Prenatal sonographic diagnosis and clinical consequences in small intestine obstruction] Rempen A, et al. **Z Geburtshilfe Perinatol** 1986 Mar–Apr;190(2):73–82 (Eng. Abstr.) (Ger)

[Possibilities of ultrasound diagnosis in dermatology] Breitbart EW, et al. **Z Hautkr** 1986 Apr 15;61(8):522–6 (Eng. Abstr.) (Ger)

[Demonstration of the neonatal hip joint by the anatomic frontal plane and ultrasound] Pfeil J, et al. **Z Orthop** 1986 Mar–Apr;124(2):188–91 (Eng. Abstr.) (Ger)

[Status of arthrosonography in rheumatologic diagnosis: examination technic, findings and their interpretation. I. The elbow joint] Sattler H, et al. **Z Rheumatol** 1986 Jan–Feb;45(1):1–6 (Eng. Abstr.) (Ger)

[Transrectal prostatosonography. Follow-up in prostate cancer therapy] Dolz M, et al. **Z Urol Nephrol** 1985 Sep; 78(9):465–74 (Eng. Abstr.) (Ger)

[Clinical value of suprapubic prostate and urinary bladder sonography] Hubrich W, et al. **Z Urol Nephrol** 1986 Jun; 79(6):347–55 (Eng. Abstr.) (Ger)

[Experiences with sonographically guided percutaneous nephrostomy] Roth M. **Z Urol Nephrol** 1986 Mar; 79(3):147–54 (Eng. Abstr.) (Ger)

[Potential applications of continuous-wave ultrasound Doppler sonography to the orofacial area. 1. The technic and potential uses with special reference to plastic and restorative oromaxillofacial surgery] Niekisch R. **Zahn Mund Kieferheilkd** 1985;73(8):822–7 (Eng. Abstr.) (Ger)

[Preoperative staging and follow-up in rectal cancer using endorectal sonography] Truong S, et al. **Zentralbl Chir** 1986;111(6):333–8 (Eng. Abstr.) (Ger)

[Improvement of the definition of carotid stenosis with duplex-scanners and with frequency analysis] Belcaro G, et al. **Minerva Cardioangiol** 1986 Apr;34(4):163–9 (Eng. Abstr.) (Ita)

[Ultrasonographic study of the gastric emptying time using a liquid meal in the diagnostic protocol of reflux esophagitis. Preliminary data with normal subjects for standardization of the method] Di Martino N, et al. **Minerva Med** 1986 Mar 24;77(12):451–4 (Ita)

[Peripheral stenosing-occlusive arteriopathies. Doppler echographic and digital angiographic evaluation] Nessi R, et al. **Minerva Med** 1986 Feb 18;77(5–6):135–43 (Eng. Abstr.) (Ita)

[Validity of transrectal echotomography as a diagnostic approach and therapeutic control in prostate pathology] Ferrando U, et al. **Minerva Urol Nefrol** 1986 Apr–Jun; 38(2):137–40 (Eng. Abstr.) (Ita)

[Usefulness of intracavitary echotomography in urology] Guermani P, et al. **Minerva Urol Nefrol** 1985 Jul–Sep; 37(3):271–3 (Eng. Abstr.) (Ita)

[High-resolution ultrasonography in cancer diagnosis—advances and indication of intraluminal sonography] Hirata K, et al. **Gan To Kagaku Ryoho** 1986 Apr;13(4 Pt 2):1661–7 (Eng. Abstr.) (Jpn)

[Diagnosis of malignant thyroid tumor using high-frequency ultrasonography with piezoelectric transducer, soft X-rays and aspiration biopsy cytology] Kawauchi A, et al. **Gan To Kagaku Ryoho** 1986 Apr;13(4 Pt 2):1686–91 (Eng. Abstr.) (Jpn)

[Total imaging diagnosis in ophthalmology: new experiments and clinical applications] Tane S. **Nippon Ganka Gakkai Zasshi** 1986 Jan;90(1):67–103 (Eng. Abstr.) (Jpn)

[Image processing of the ocular region in ultrasonic diagnosis and its clinical significance. 17. Three-dimensional display and volume measurements of intraocular mass based on spiral scanning] Yamamoto Y, et al. **Nippon Ganka Gakkai Zasshi** 1986 Jan;90(1):131–40 (Eng. Abstr.) (Jpn)

[Transabdominal electronic sector scanning of the prostate] Noto H, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 May; 76(5):700–5 (Eng. Abstr.) (Jpn)

[Development and clinical significance of protrusion of hypertrophic prostate into the bladder observed by transrectal ultrasonotomography] Ohnishi K, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Aug;76(8):1194–200 (Eng. Abstr.) (Jpn)

[The progress in mass screening for prostatic diseases by transrectal ultrasonotomography] Watanabe H, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Jun;76(6):913–20 (Eng. Abstr.) (Jpn)

[Intraoperative observation of coronary artery using cross-sectional echography and its application to coronary artery surgery] Konishi T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Jun;33(6):854–9 (Eng. Abstr.) (Jpn)

[Determination of thyroid volume using computerized ultrasonography and its clinical application] Miki K. **Nippon Naibunpi Gakkai Zasshi** 1986 Feb 20;62(2):97–107 (Eng. Abstr.) (Jpn)

[Antenatal assessment of intrauterine growth retardation by ultrasonic fetal biometry and non-stress fetal heart rate testing] Takeuchi K. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Nov; 37(11):2376–84 (Eng. Abstr.) (Jpn)

[Reversal of portal blood flow in a case of primary hepatocellular carcinoma demonstrated by the ultrasonic pulse Doppler method during a short clinical course] Ido E, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 May; 83(5):1044–8 (Jpn)

[Pulsed Doppler method for differential diagnosis of liver tumor] Ishida H. **Nippon Shokakibyo Gakkai Zasshi** 1986 Mar;83(3):700 (Jpn)

[Abdominal ultrasonography] Kitamura T. **Rinsho Byori** 1986 Jan;34(1):47–51 (Jpn)

[Renal ultrasound: Part I] Heishiki A, et al. **Rinsho Hoshasen** 1985 Dec;30(13):1573–4 (Jpn)

[Value of transurethral ultrasonography in the diagnosis of bladder neoplasms and in the evaluation of the degree of bladder wall infiltration (T) compared with clinical examination, transrectal and transabdominal ultrasonography and computerized tomography] Borkowski A, et al. **Pol Przegl Radiol (Warszawa)** 1985 Jan–Feb;49(1):49–53 (Eng. Abstr.) (Pol)

[Transrectal ultrasonic examination of the prostate] Jakubowski W, et al. **Pol Przegl Radiol (Warszawa)** 1984 Nov–Dec;48(6):407–11 (Eng. Abstr.) (Pol)

[Evaluation of transrectal and transvaginal ultrasonography in selected gynecologic cases] Korzycki J, et al. **Pol Przegl Radiol (Warszawa)** 1985 Mar–Apr;49(2):138–41 (Eng. Abstr.) (Pol)

[Ultrasonographic examination of the prostate by the intrarectal route] Krzeski T, et al. **Pol Przegl Radiol (Warszawa)** 1985 Jan–Feb;49(1):58–61 (Eng. Abstr.) (Pol)

[Ultrasonic mammography] Rojek-Kisyńska K. **Pol Przegl Radiol (Warszawa)** 1985 Jan–Feb;49(1):62–5 (Pol)

[Sonographic diagnosis of abdominal diseases—a comparative study with suggestions in regard to diagnostic procedures adapted for health care in developing countries] Weill FS. **Pol Przegl Radiol (Warszawa)** 1985 May–Jun;49(3):178–85 (Pol)

[Use of fetoamniography in the prenatal diagnosis of fetal congenital developmental defects] Bakahrev VA, et al. **Akush Ginekol (Mosk)** 1986 Mar;(3):18–21 (Eng. Abstr.) (Rus)

[Study of the left coronary artery by ultrasonic sectorial scanning] Antonov OS, et al. **Kardiologiia** 1985 Jul; 25(7):25–8 (Eng. Abstr.) (Rus)

[Evaluation of the potentialities of ultrasonic sectorial scanning for calculating left ventricular volumes by the disc method] Kuramov ChI, et al. **Kardiologiia** 1985 Jul; 25(7):67–71 (Eng. Abstr.) (Rus)

[Informative value of an echo signal during impulse ultrasonic localization of brain structures (use of a model)] Simonov LG, et al. **Kosm Biol Aviakosm Med** 1985 Jul–Aug; 19(4):83–5 (Rus)

[Ultrasonic contourography of the eye] Shirshikov IuK. **Oftalmol Zh** 1985;(5):274–5 (Eng. Abstr.) (Rus)

[Method of intraoral echography] Dusmuratov AM. **Stomatologiia (Mosk)** 1986 May–Jun;65(3):36–9 (Eng. Abstr.) (Rus)

[Determination of the infiltration stage of bladder neoplasms with intravesical echography] Espuela Orgaz R, et al. **Actas Urol Esp** 1985 Nov–Dec;9(6):507–16 (Eng. Abstr.) (Spa)

STANDARDS

Diagnosis of tricuspid regurgitation. Sensitivity of Doppler ultrasound compared with contrast echocardiography. Skjaerpe T, et al. **Eur Heart J** 1985 May;6(5):429–36

Ocular ultrasound in preoperative evaluation of posterior segment of the eye. Das T, et al. **Indian J Ophthalmol** 1983; 31 Suppl:1022–4

Uses and abuses of fetal echocardiography: a pediatric cardiologist's view. Huhta JC. **J Am Coll Cardiol** 1986 Aug; 8(2):451–8

Guidelines for obstetrical scanning and reporting: the legal necessity [editorial] Bundy AL, et al. **J Ultrasound Med** 1985 Sep;4(9):483–4

Artifacts in ultrasound imaging. Kremkau FW, et al. **J Ultrasound Med** 1986 Apr;5(4):227–37 (55 ref.)

Evaluation of image blur (unsharpness) in medical imaging. Haus AG. **Med Radiogr Photogr** 1985 Jun;61(1–2):42–53

Ultrasonic fetal abdominal circumference: comparison of direct versus calculated measurement. Tamura RK, et al. **Obstet Gynecol** 1986 Jun;67(6):833–5

Diabetic macrosomia: accuracy of third trimester ultrasound. Tamura RK, et al. **Obstet Gynecol** 1986 Jun;67(6):828–32

The reliability of measurements of the lumbar spine using ultrasound B-scan. Battié MC, et al. **Spine** 1986 Mar; 11(2):144–8

[Quality of sonography in internal medicine (editorial)] Bönhof JA, et al. **Dtsch Med Wochenschr** 1986 Aug 15; 111(33):1227–9 (Ger)

[Hygiene problems with the Technicare breast sonography (letter)] Habel H. **Geburtshilfe Frauenheilkd** 1985 Aug; 45(8):574 (Ger)

TRENDS

Diagnostic imaging in the 1980s: Quo vadis? Thrall JH, et al. **Henry Ford Hosp Med J** 1985;33(2–3):67–8

UTILIZATION

Use of A-mode ultrasound for diagnosis of sinus disease in young children. Berger WE. **Ann Allergy** 1986 Jan; 56(1):39–43

Is routine ultrasound before termination of pregnancy worthwhile? Jarallah Y, et al. **Scott Med J** 1985 Oct; 30(4):232–3

[The Uppsala model limits the need of ultrasound in late pregnancy to 25 per cent of the population] Caattingius S, et al. **Lakartidningen** 1986 Mar 26;83(13):1166, 1168 (Swe)

VETERINARY

Effects of acetylpromazine on the hemodynamics of the equine metatarsal artery, as determined by two-dimensional real-time and pulsed Doppler ultrasonography. Walker M, et al. **Am J Vet Res** 1986 May;47(5):1075–8

Evaluation of an ultrasonic pregnancy detector. Ducker MJ, et al. **Br Vet J** 1985 Sep–Oct;141(5):515–8

Use of ultrasound echography for the differential diagnosis of a granulosa cell tumour in a mare. White RA, et al. **Equine Vet J** 1985 Sep;17(5):401–2

Comparison of radiography and ultrasonography in the evaluation of renal lesions in the dog. Konde LJ, et al. **J Am Vet Med Assoc** 1986 Jun 15;188(12):1420–5

Use of gray-scale ultrasonography in the diagnosis of reproductive disease in the bitch: 18 cases (1981–1984). Poffenbarger EM, et al. **J Am Vet Med Assoc** 1986 Jul 1;189(1):90–5 (21 ref.)

Diagnostic ultrasound. **Vet Clin North Am [Equine Pract]** 1986 Apr;2(1):1–261

Uses of ultrasound in equine internal medicine. Byars TD, et al. **Vet Clin North Am [Equine Pract]** 1986 Apr;2(1):253–8

Diagnostic ultrasonography of equine limbs. Genovese RL, et al. **Vet Clin North Am [Equine Pract]** 1986 Apr; 2(1):145–226 (37 ref.)

Ultrasonographic appearance and correlative anatomy of the soft tissues of the distal extremities in the horse. Hauser ML. **Vet Clin North Am [Equine Pract]** 1986 Apr; 2(1):127–44

Ultrasound science for the veterinarian. Powis RL. **Vet Clin North Am [Equine Pract]** 1986 Apr;2(1):3–27

Diseases of the thorax. Rantanen NW. **Vet Clin North Am [Equine Pract]** 1986 Apr;2(1):49–66

Diseases of the abdomen. Rantanen NW. **Vet Clin North Am [Equine Pract]** 1986 Apr;2(1):67–88

Diseases of the heart. Rantanen NW. **Vet Clin North Am [Equine Pract]** 1986 Apr;2(1):33–47

Diseases of the liver. Rantanen NW. **Vet Clin North Am [Equine Pract]** 1986 Apr;2(1):105–14

General considerations for ultrasound examinations. Rantanen NW. **Vet Clin North Am [Equine Pract]** 1986 Apr;2(1):29–32

Diseases of the kidneys. Rantanen NW. **Vet Clin North Am [Equine Pract]** 1986 Apr;2(1):89–103

Diagnostic ultrasound in equine reproduction. Torbeck RL. **Vet Clin North Am [Equine Pract]** 1986 Apr;2(1):227–52

Ancillary diagnostic imaging. Angiography, ultrasonography, scintigraphy, and xeroradiography. Pharr JW. **Vet Clin North Am Food [Food Anim Pract]** 1985 Mar; 1(1):205–12

Ultrasonography of the eye and orbit. Eisenberg HM. **Vet Clin North Am [Small Anim Pract]** 1985 Nov; 15(6):1263–74

Two-dimensional, gray-scale abdominal ultrasonography. General interpretation and abdominal masses. Feeney DA, et al. **Vet Clin North Am [Small Anim Pract]** 1985 Nov; 15(6):1225–47

Two-dimensional, gray-scale ultrasonography. Applications in canine prostatic disease. Feeney DA, et al. **Vet Clin North Am [Small Anim Pract]** 1985 Nov; 15(6):1159–76

Physics, facts, and artifacts of diagnostic ultrasound. Herring DS, et al. **Vet Clin North Am [Small Anim Pract]** 1985 Nov;15(6):1107–22

Sonography of the kidney. Konde LJ. **Vet Clin North Am [Small Anim Pract]** 1985 Nov; 15(6):1149–58

Sonography of the liver, gallbladder, and spleen. Nyland TG, et al. **Vet Clin North Am [Small Anim Pract]** 1985 Nov; 15(6):1123–48

Ultrasound-guided biopsy. Smith S. **Vet Clin North Am [Small Anim Pract]** 1985 Nov; 15(6):1249–62

Pregnancy diagnosis in cows with linear-array real-time ultrasound scanning: a preliminary note. Taverne MA, et

al. **Vet Q** 1985 Oct;7(4):264–70
Accuracy of pregnancy diagnosis and prediction of foetal numbers in sheep with linear-array real-time ultrasound scanning. Taverne MA, et al. **Vet Q** 1985 Oct;7(4):256–63
Pregnancy diagnosis in pigs: a field study comparing linear-array real-time ultrasound scanning and amplitude depth analysis. Taverne MA, et al. **Vet Q** 1985 Oct; 7(4):271–6
Pregnancy diagnosis in the dog: a comparison between abdominal palpation and linear-array real-time echography. Taverne MA, et al. **Vet Q** 1985 Oct; 7(4):249–55
Ultrasonic diagnosis of pregnancy [letter] **Vet Rec** 1986 Feb 22;118(8):220
Pregnancy diagnosis in the sow using real-time ultrasonic scanning. Jackson GH. **Vet Rec** 1986 Jul 26;119(4):90–1
[Ultrasonic diagnosis in gynecology in small animals] Schmidt S, et al. **Tierarztl Prax** 1986;14(1):123–41 (Eng. Abstr.) **(Ger)**

ULTRASONIC LITHOTRIPSY see LITHOTRIPSY

ULTRASONIC THERAPY

Physical therapy in the management of myofacial pain dysfunction syndrome. Talaat AM, et al. **Ann Otol Rhinol Laryngol** 1986 May-Jun;95(3 Pt 1):225–8
Value of intraprostatic injection of zinc and vitamin C and of ultrasound application in infertile men with chronic prostatitis. Fahim MS, et al. **Arch Androl** 1985;14(1):81–7
Therapeutic ultrasound. Light and electron microscopic findings in an eye treated for glaucoma. Margo CE. **Arch Ophthalmol** 1986 May;104(5):735–8
Ultrasound therapy: a comparative study of different coupling media. Balmaseda MT Jr, et al. **Arch Phys Med Rehabil** 1986 Mar;67(3):147–50
Removal of fractured endodontic instruments using ultrasonics. Souyave LC, et al. **Br Dent J** 1985 Oct 19; 159(8):251–3
Low-powered ultrasound in the treatment of tinnitus: a pilot study. Carrick DG, et al. **Br J Audiol** 1986 May;20(2):153–5
Effect of hyperthermia on experimental choroidal melanoma. Burgess SE, et al. **Br J Ophthalmol** 1985 Nov;69(11):854–60
Treatment of experimental lens capsular tears with intense focused ultrasound. Coleman DJ, et al. **Br J Ophthalmol** 1985 Sep;69(9):645–9
Treatment for lateral epicondylitis: variables related to recovery. Gerberich SG, et al. **Br J Sports Med** 1985 Dec; 19(4):224–7
Scintigraphic control of bone-fracture healing under ultrasonic stimulation: an animal experimental study. Klug W, et al. **Eur J Nucl Med** 1986;11(12):494–7
A transient heating technique for the measurement of thermal properties of perfused biological tissue. Newman WH, et al. **J Biomech Eng** 1985 Aug;107(3):219–27
Fate of the capsular bag in endocapsular phacoemulsification and complete in-the-bag intraocular lens fixation. Hara T, et al. **J Cataract Refract Surg** 1986 Jul;12(4):408–12
Renal evaluation after CUSA plus Nd:YAG laser for partial nephrectomy. Landau ST, et al. **Lasers Surg Med** 1986; 6(2):146–9
"Therapeutic" ultrasound [letter] Fyfe MC. **Med J Aust** 1985 Oct 14;143(8):369
Pars plana lensectomy and vitrectomy by ultrasonic fragmentation: Part III--Results in eyes without other ocular pathology or an implant. Girard LJ, et al. **Ophthalmic Surg** 1985 Dec;16(12):765–8
Treatment of glaucoma with high-intensity focused ultrasound. Burgess SE, et al. **Ophthalmology** 1986 Jun; 93(6):831–8
Intraoperative auditory brain stem response monitoring during ultrasonic aspiration of posterior fossa tumors. Mangham CA, et al. **Otolaryngol Head Neck Surg** 1986 Jan;94(1):61–8
Ultrasound therapy of subacromial bursitis. A double blind trial. Downing DS, et al. **Phys Ther** 1986 Feb;66(2):194–9
Use of US [letter] Phillips HJ. **Phys Ther** 1986 Jul;66(7):1146, 1148
Functional, mechanical, and biochemical assessment of ultrasound therapy on tendon healing in the chicken toe. Stevenson JH, et al. **Plast Reconstr Surg** 1986 Jun; 77(6):965–72
Chronic histological effects of ultrasonic hyperthermia on normal feline brain tissue. Lyons BE, et al. **Radiat Res** 1986 May;106(2):234–51
Ultrasonic fragmentation of cataract in uveitis. Petrilli AM, et al. **Retina** 1986 Winter-Spring;6(1):61–5
Therapeutic ultrasound in the treatment of retinal detachment: clinical observations and light and electron microscopy. Rosecan LR, et al. **Retina** 1985 Spring-Summer;5(2):115–22
Stimulation of bone repair by ultrasound. Dyson M, et al. **Ultrasound Med Biol** 1983;Suppl 2:61–6
Effects of therapeutic ultrasound on the activity of the mononuclear phagocyte system in vivo. Saad AH, et al. **Ultrasound Med Biol** 1986 Feb;12(2):145–50
[Temperature in the anterior chamber of the eye in rabbits during ultrasonic phacoemulsification] Preisová J. **Cesk Oftalmol** 1986 May;42(3):180–6 (Eng. Abstr.) **(Cze)**
[Phacoemulsification of the rabbit lens in vivo] Preisová J. **Cesk Oftalmol** 1985 Sep;41(5):289–93 (Eng. Abstr.) **(Cze)**
[Ultrasound and the human ear] Caers G. **Acta Belg Med Phys** 1985 Jul-Sep;8(3):163–6 (Eng. Abstr.) **(Fre)**
[Ultrasound in dental and stomatology practice] Joosen E. **Acta Belg Med Phys** 1985 Jul-Sep;8(3):173–7 (Eng. Abstr.) **(Fre)**
[Ultrasound in rehabilitation and rheumatology] Urbin Choffray D, et al. **Acta Belg Med Phys** 1985 Jul-Sep; 8(3):167–71 **(Fre)**
[Animal experimental scintigraphic observations of the course of secondary fracture healing without and with ultrasound stimulation] Klug W, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(3):185–95 (Eng. Abstr.) **(Ger)**
[Our experience in the use of a new objective pain measuring system in rheumarthropatic subjects treated with transcutaneous electroanalgesia and ultrasound] Saveriano G, et al. **Minerva Med** 1986 Apr 28;77(18):745–52 (Eng. Abstr.) **(Ita)**
[An experimental study on enhancement of the effect of an anti-cancer drug by ultrasound] Akimoto R. **Nippon Gan Chiryo Gakkai Shi** 1985 Apr 20;20(3):562–70 (Eng. Abstr.) **(Jpn)**
[Potentiation of the action of antibiotics by ultrasound] Ukhov AIa, et al. **Antibiot Med Biotekhnol** 1985 Sep; 30(9):684–7 (Eng. Abstr.) **(Rus)**
[Use of a multi-component collagen preparation and low-frequency ultrasonics in gastrointestinal surgery] Petrov VI, et al. **Khirurgiia (Mosk)** 1986 Mar;(3):98–102 **(Rus)**
[Use of papain and ultrasound in the combined treatment of gangrenous lactation mastitis] Storozhuk VT, et al. **Klin Khir** 1986;(1):47–8 (Eng. Abstr.) **(Rus)**
[Clinico-experimental study of the effect of ultrasonic cavitation on microorganisms] Chaplinskii VV, et al. **Ortop Travmatol Protez** 1985 Aug;(8):29–32 (Eng. Abstr.) **(Rus)**
[Effect of local cooling and ultrasound on the reparative processes following mandibular fracture] Fedotov SN, et al. **Stomatologiia (Mosk)** 1986 Jul-Aug;65(4):4–6 (Eng. Abstr.) **(Rus)**
[Use of collalysine++ phonophoresis in the combined treatment of hypertrophic and keloid scars of the face and neck] Mikhailova RI, et al. **Stomatologiia (Mosk)** 1986 Jul-Aug;65(4):48–50 (Eng. Abstr.) **(Rus)**
[Ultrasound in the treatment of infected wounds] Gostishchev VK, et al. **Vestn Khir** 1986 Jan;136(1):69–70 **(Rus)**
[Treatment of suppurative and septic diseases in children using ultrasonic cavitation] Ismailov AA, et al. **Vestn Khir** 1985 Oct;135(10):96–8 (Eng. Abstr.) **(Rus)**
[Effectiveness of tonsillectomy and low-frequency ultrasonic therapy in patients with chronic tonsillitis and bronchial asthma] Ovchinnikov IuM, et al. **Vestn Otorinolaringol** 1986 Mar-Apr;(2):42–5 (Eng. Abstr.) **(Rus)**
[Experience with the conservative treatment of patients with chronic tonsillitis using low-frequency ultrasound] Ovchinnikov IuM, et al. **Vestn Otorinolaringol** 1986 Jul-Aug;(4):38–40 (Eng. Abstr.) **(Rus)**
[Ultrasonic therapy in the complex treatment of lactostasis and initial forms of postpartum mastitis] Akhmedianova GU, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Jul-Aug;(4):57–8 **(Rus)**
[Ultrasound and ganglerone electrophoresis in the rehabilitation treatment of patients after adenomectomy of the prostate gland] Nesterov NI. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Mar-Apr; (2):46–8 (Eng. Abstr.) **(Rus)**
[Ultrasound. Its use and biological effects] Hrnjak M. **Vojnosanit Pregl** 1986 Jan-Feb;43(1):59–64 **(Ser)**

ADVERSE EFFECTS

Possible mechanisms for the effect of therapeutic ultrasound on the clearance rate of blood borne colloidal particles in vivo. Saad AH, et al. **Ultrasound Med Biol** 1983;Suppl 2:55–60
[Does ultrasound have side effects?] Bom N, et al. **Ned Tijdschr Geneeskd** 1985 Nov 9;129(45):2150–4 **(Dut)**

INSTRUMENTATION

Liver resection. A comparison using the Nd-YAG laser, an ultrasonic surgical aspirator, or blunt dissection. Tranberg KG, et al. **Am J Surg** 1986 Mar;151(3):368–73
Practical tips [letter] Walmsley AD, et al. **Br Dent J** 1985 Oct 19;159(8):242–3
Status report on professional scaling and stain-removal devices. Council on Dental Materials, Instruments, and Equipment. **J Am Dent Assoc** 1985 Nov;111(5):801–2
Removal of acid-etched fixed partial dentures with modified ultrasonic scaler tips. Jordan RD, et al. **J Am Dent Assoc** 1986 Apr;112(4):505–7
Endoscopic ultrasonography [letter] Dalal L. **J Assoc Physicians India** 1985 Oct;33(10):681
Using ultrasonic scalers to remove fractured root posts. Krell KV, et al. **J Prosthet Dent** 1986 Jan;55(1):46–9
Measurement and characterisation of the acoustic output of medical ultrasonic equipment. Part 1. Preston RC. **Med Biol Eng Comput** 1986 Mar;24(2):113–20 (42 ref.)
Measurement and characterisation of the acoustic output of medical ultrasonic equipment. Part 2. Preston RC. **Med Biol Eng Comput** 1986 May;24(3):225–34 (63 ref.)
A new motor-driven surgical probe and its in vitro comparison with the Cavitron Ultrasonic Surgical Aspirator. Chan KK, et al. **Ultrasound Med Biol** 1986 Apr; 12(4):279–83
A new portable ultrasound power meter. Proctor MJ, et al. **Ultrasound Med Biol** 1986 Jun;12(6):L521–4
Cavitrons in urologic surgery. Addonizio JC, et al. **Urol Clin North Am** 1986 Aug;13(3):445–54
[Scaling and root polishing with curets and ultrasonic and pneumatic planers: SEM observations of the root surface] Picarelli A, et al. **Minerva Stomatol** 1985 Jul-Aug; 34(4):717–23 (Eng. Abstr.) **(Ita)**
[Focusing a spherical acoustic pulse with an elliptic reflector in a medical device for non-invasive crushing of renal calculi] Andriianov IuV, et al. **Med Tekh** 1986 May-Jun; (3):4–7 (Eng. Abstr.) **(Rus)**
[Ultrasonic instruments in the treatment of glaucoma] Dolzhich GI. **Vestn Oftalmol** 1985 Sep-Oct;101(5):59–61 (Eng. Abstr.) **(Rus)**
[Low-frequency ultrasonic/surgical instruments in osteoplastic ophthalmologic surgery] Kodzov MB. **Vestn Oftalmol** 1986 Mar-Apr;102(2):41–4 (Eng. Abstr.) **(Rus)**

METHODS

Ultrasonic fragmentation technique [letter] Heimann TM, et al. **Dis Colon Rectum** 1986 Apr;29(4):290–1
Percutaneous ultrasonic lithotripsy. A simplified treatment for renal stones. Crowley AR, et al. **Postgrad Med** 1986 Jun;79(8):57–64 (18 ref.)
[Thoracoscopic ultrasonic hermetic sealing of lung wounds in traumatic pneumothorax] Kabanov AN, et al. **Grudn Khir** 1986 May-Jun;(3):46–50 (Eng. Abstr.) **(Rus)**
[Use of low-frequency ultrasonics in the complex treatment of trophic ulcers] Ivanov VV. **Khirurgiia (Mosk)** 1986 May; (5):121–5 **(Rus)**

STANDARDS

Anti-inflammatory effects of ultrasound therapy: evidence for a major placebo effect. Hashish I, et al. **Br J Rheumatol** 1986 Feb;25(1):77–81

ULTRASONICS

see related
ECHOCARDIOGRAPHY
ECHOENCEPHALOGRAPHY

Successful ultrasound-guided intravascular transfusion in severe fetal anemia without blood group incompability. Bock JE, et al. **Acta Obstet Gynecol Scand** 1985;64(8):681–2
Value and limitations of Doppler ultrasound in the evaluation of aortic stenosis: a statistical analysis of 70 consecutive patients. Panidis IP, et al. **Am Heart J** 1986 Jul;112(1):150–8
Echographic and histologic tumor height measurements in uveal melanoma [letter] Coleman DJ. **Am J Ophthalmol** 1986 Jan 15;101(1):124–6
Echographic and histologic tumor height measurements in uveal melanoma [letter] Seddon JM, et al. **Am J Ophthalmol** 1986 Jan 15;101(1):126–8
Accurate ultrasonic estimation of fetal weight. Effect of head shape, growth patterns, and amniotic fluid volume. Ott WJ, et al. **Am J Perinatol** 1986 Jul;3(3):193–7
Laser-Doppler determination of papillary blood flow in young and adult rats. Roman RJ, et al. **Am J Physiol** 1986 Jul;251(1 Pt 2):F115–24
Real-time ultrasonic guidance for percutaneous puncture of the internal jugular vein [letter] Yonei A, et al. **Anesthesiology** 1986 Jun;64(6):830–1
Index 1983–1984 of European radiological journals. **Ann Radiol (Paris)** 1985;28(6 Pt 2):1–184
Segmental hepatic resection utilizing the ultrasonic dissector. Andrus CH, et al. **Arch Surg** 1986 May;121(5):515–21
Pyloric stenosis: a postoperative ultrasonic study. Bourchier D, et al. **Aust Paediatr J** 1985 Aug;21(3):189–90
Non-invasive grading of aortic regurgitation by Doppler ultrasonography. Hoffmann A, et al. **Br Heart J** 1986 Mar; 55(3):283–5
The effect of ultrasound on the percutaneous absorption of lignocaine. McElnay JC, et al. **Br J Clin Pharmacol** 1985 Oct;20(4):421–4
Ultrasonically guided fine-needle biopsy for histological sampling of suspect parathyroid tissue. Karstrup S, et al. **Br J Radiol** 1986 May;59(701):507–9
Ultrasound-guided percutaneous one-step nephrostomy. Schüller J, et al. **Br J Urol** 1984 Jun;56(3):341–3
Responsiveness to live M. tuberculosis, and common antigens, of sonicate-stimulated T cell lines from normal donors. Rook GA, et al. **Clin Exp Immunol** 1986 Jan; 63(1):105–10
Ultrasonic blood flow measurements in arteriovenous fistulas: an experimental study. Rodriguez Moran M, et al. **Clin Nephrol** 1985 Aug;24(2):76–8
Free radical generation by ultrasound in aqueous and nonaqueous solutions. Riesz P, et al. **Environ Health Perspect** 1985 Dec;64:233–52
Experience with a Doppler technique to investigate the interaction of isoprenaline and various B-adrenoceptor blocking drugs on blood vessels in the lower limb. FitzGerald DE, et al. **Eur J Clin Pharmacol** 1985; 29(4):447–54
Ultrasonically guided percutaneous and laparoscopic oocyte

aspiration: a comparative study. Janssen-Caspers HA, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Apr; 21(4):219–23

Sonochemical free radical formation in aqueous solutions. Riesz P, et al. **Fed Proc** 1986 Sep;45(10):2485–92 (25 ref.)

Ultrasound follicle diameter measurement: an assessement of interobserver and intraobserver variation. Eissa MK, et al. **Fertil Steril** 1985 Dec;44(6):751–4

Ultrasound study of the endometrium during in vitro fertilization cycles. Glissant A, et al. **Fertil Steril** 1985 Dec; 44(6):786–90

Ultrasonically guided oocyte collection under local anesthesia: the first choice method for in vitro fertilization—a comparative study with laparoscopy. Lewin A, et al. **Fertil Steril** 1986 Aug;46(2):257–61

Ultrasonic effect on adrenal and thyroid gland activity. Shtereva S. **Folia Med (Plovdiv)** 1984;26(4):36–41

Experimental study of the effect of ultrasound on the activity of some endocrine glands in a prolonged experiment. Shtereva S. **Folia Med (Plovdiv)** 1984;26(4):42–5

Effect of local action of ultrasound on cutaneous and deep tactile sensation in man. Tsirul'nikov EM, et al. **Hum Physiol** 1985 Mar–Apr;11(2):113–7

Measurement of ultrasound velocity in tissues utilizing a microcomputer-based system. Bronez MA, et al. **IEEE Trans Biomed Eng** 1985 Sep;32(9):723–6

Influence of temperature probe sheathing materials during ultrasonic heating. Kuhn PK, et al. **IEEE Trans Biomed Eng** 1986 May;33(5):536–8

Effect of ultrasound on papain. Ateqad N, et al. **Indian J Biochem Biophys** 1985 Jun;22(3):190–2

Ultrasonication effects on normal and denervated skeletal muscles. Jasra PK, et al. **Indian J Exp Biol** 1986 Jan; 24(1):44–5

Ultrasonography in perforating ocular injuries. Agarwal HC, et al. **Indian J Ophthalmol** 1984 Sep–Oct;32(5):285–8

Ultrasonographic identification and measurement of the human fetal adrenal gland in utero. Hata K, et al. **Int J Gynaecol Obstet** 1985 Oct;23(5):355–9

Hot spot kinetics of the sonolysis of aqueous acetate solutions. Gutiérrez M, et al. **Int J Radiat Biol** 1986 Aug;50(2):313–21

Chemical reactions by pulsed ultrasound: memory effects in the formation of NO3- and NO2- in aerated water. Henglein A, et al. **Int J Radiat Biol** 1986 Sep;50(3):527–33

Frequency-dependent angular scattering of ultrasound by tissue-mimicking materials and excised tissue. Davros WJ, et al. **J Acoust Soc Am** 1986 Jul;80(1):229–37

Nearfield of a piston source of ultrasound in an absorbing medium. Nyborg WL, et al. **J Acoust Soc Am** 1985 Nov; 78(5):1882–91

Ultrasonic nonlinear parameters and sound speed of alcohol–water mixtures. Sehgal CM, et al. **J Acoust Soc Am** 1986 Feb;79(2):566–70

B-mode ultrasonography of the bovine udder and teat. Cartee RE, et al. **J Am Vet Med Assoc** 1986 Jun 1;188(11):1284–7

The use of ultrasonography for pregnancy diagnosis in the bitch. Shille VM, et al. **J Am Vet Med Assoc** 1985 Nov 15;187(10):1021–5

Some characteristics of laminar flow velocity spectra detected by a 20 MHz pulsed ultrasound Doppler. Brown TD, et al. **J Biomech** 1985;18(12):927–38

Ultrasonic wave propagation and attenuation in wet bone. Lakes R, et al. **J Biomed Eng** 1986 Apr;8(2):143–8

Sterile hypopyon secondary to ultrasonic cleaning solution. Richburg FA, et al. **J Cataract Refract Surg** 1986 May; 12(3):248–51

Efficacy of ultrasound for German cockroach (Orthoptera: Blattellidae) and Oriental rat flea (Siphonoptera): Pulicidae) control. Koehler PG, et al. **J Econ Entomol** 1986 Aug; 79(4):1027–31

Distress vocalization in rat pups. A simple screening method for anxiolytic drugs. Gardner CR. **J Pharmacol Methods** 1985 Nov;14(3):181–7

Removal of silver points and fractured posts by ultrasonics. Glick DH, et al. **J Prosthet Dent** 1986 Feb;55(2):212–5

A comparison of sector and linear array scanners for the measurement of the fetal femur. Jeanty P, et al. **J Ultrasound Med** 1985 Oct;4(10):525–30

Ultrasonography of the rotator cuff [letter] Mayer V. **J Ultrasound Med** 1985 Nov;4(11):608, 607

The effect of extreme acid and alkali changes upon the echogenicity of blood. Ramos JR, et al. **J Ultrasound Med** 1985 Oct;4(10):513–8

Unidirectional 8-MHz continuous wave Doppler equipment can facilitate catheterization of the internal jugular vein. Schregel W, et al. **J Ultrasound Med** 1986 Aug;5(8):421–4

Removal of air from liver specimens via vacuum. Sommer FG, et al. **JCU** 1986 May;14(4):277–9

Ultrasonic vocalization in rat pups: effects of early postnatal exposure to haloperidol. Cagiano R, et al. **Life Sci** 1986 Apr 14;38(15):1417–23

The use of ultrasound in ocular biometry. Kuan BB, et al. **Med J Malaysia** 1984 Dec;39(4):280–4

Intraocular lens power calculations: the optimal approach. Boerrigter RM, et al. **Ophthalmologica** 1985;191(2):89–94

Controlled hypercapnia and neonatal cerebral artery Doppler ultrasound waveforms. Archer LN, et al. **Pediatr Res** 1986 Mar;20(3):218–21

The induction of hyperthermia by ultrasound; its value and associated problems: II. Scanned-plane transducer. ter Haar G, et al. **Phys Med Biol** 1985 Dec;30(12):1327–33

Use of ultrasound to locate a "lost" tissue expander injection port. Sellers DS, et al. **Plast Reconstr Surg** 1986 Aug; 78(2):250–1

Physical principles of Doppler ultrasound. Measuring movement with sound. Fisher DC, et al. **Postgrad Med** 1985 Nov 1;78(6):118–20, 125–7, 130

Damage in DNA irradiated with 1.2 MHz ultrasound and its effect on template activity of DNA for RNA synthesis. Kondo T, et al. **Radiat Res** 1985 Dec;104(3):284–92

Gas bubble detection in fluid lines by means of pulsed Doppler ultrasound. Hatteland K, et al. **Scand J Thorac Cardiovasc Surg** 1985;19(2):119–23

Evaluation of a scoring system for extracranial carotid atherosclerosis extent with B-mode ultrasound. Crouse JR, et al. **Stroke** 1986 Mar–Apr;17(2):270–5

Asymptomatic bruit, carotid and vertebrobasilar transient ischemic attacks—a clinical and ultrasonic correlation. Lo LY, et al. **Stroke** 1986 Jan–Feb;17(1):65–8

Generalized projection-slice theorem for fan beam diffraction tomography. Devaney AJ. **Ultrason Imaging** 1985 Jul; 7(3):264–75

Reduced-order autoregressive modeling for center-frequency estimation. Kuc R, et al. **Ultrason Imaging** 1985 Jul;7(3):244–51

Estimation of scatterer volume density near a concentration gradient. Newhouse VL, et al. **Ultrason Imaging** 1985 Apr; 7(2):161–71

Attenuation estimation with the zero-crossing technique: phantom studies. Ophir J, et al. **Ultrason Imaging** 1985 Apr; 7(2):122–32

Characterization of biological media by means of their non-linearity. Bjørnø L. **Ultrasonics** 1986 Sep;24(5):254–9

Attenuation of ultrasound in post rigor bovine skeletal muscle. Shore D, et al. **Ultrasonics** 1986 Mar;24(2):81–7

On the relationship between velocity distribution and power spectrum of scattered radiation in Doppler ultrasound measurements on moving suspensions. Williams RP. **Ultrasonics** 1986 Jul;24(4):197–200

Ultrasound speed and attenuation in homogenates of bovine skeletal muscle. Woods MO, et al. **Ultrasonics** 1986 Sep; 24(5):260–6

Lack of effect of high-intensity pulsed ultrasound on sister chromatid exchange and in vitro Chinese hamster ovary cell viability. Ciaravino V, et al. **Ultrasound Med Biol** 1985 May–Jun;11(3):491–5

Acoustic emission as a measure of exposure of suspended cells in vitro. Edmonds PD, et al. **Ultrasound Med Biol** 1986 Apr;12(4):297–305

Absorption of longitudinal and shear waves and generation of heat in soft tissues. Filipczyński L. **Ultrasound Med Biol** 1986 Mar;12(3):223–8

Ultrasound intensity and contractile characteristics of rat isolated papillary muscle. Forester GV, et al. **Ultrasound Med Biol** 1985 Jul–Aug;11(4):591–8

Ultrasonically induced intravascular streaming and thrombus formation adjacent to a micropipette. Frizzell LA, et al. **Ultrasound Med Biol** 1986 Mar;12(3):217–21

Changes in ultrasonic attenuation and backscatter of muscle with state of contraction. Glueck RM, et al. **Ultrasound Med Biol** 1985 Jul–Aug;11(4):605–10

Mutagenicity of ultrasound in cultured mammalian cells. Kaufman GE. **Ultrasound Med Biol** 1985 May–Jun; 11(3):497–501

Influence of dissolved gases on chemical and biological effects of ultrasound. Kondo T, et al. **Ultrasound Med Biol** 1986 Feb;12(2):151–5

Absolute hydrophone calibration. Livett AJ, et al. **Ultrasound Med Biol** 1983;Suppl 2:191–5

Lack of effect of pulsed ultrasound on ABO antigens of human erythrocytes in vitro. Miller DL, et al. **Ultrasound Med Biol** 1986 Mar;12(3):209–16

Phased array ultrasound imaging through planar tissue layers. Smith SW, et al. **Ultrasound Med Biol** 1986 Mar; 12(3):229–43

Bibliography of biomedical ultrasound. No. 54. White E, et al. **Ultrasound Med Biol** 1986 May;12(5):419–40

Bibliography of biomedical ultrasound. No. 53. White E, et al. **Ultrasound Med Biol** 1986 Feb;12(2):157–77

Bibliography of biomedical ultrasound. No. 49. White E, et al. **Ultrasound Med Biol** 1985 Jul–Aug;11(4):665–704

Bibliography of biomedical ultrasound. No. 51. White E, et al. **Ultrasound Med Biol** 1985 Nov–Dec;11(6):857–69

Ultrasound production and stress in rodents. Kock N. **Vet Rec** 1986 May 24;118(21):588

[Physical properties and production method of ultrasound] Charlier J. **Acta Belg Med Phys** 1985 Jul–Sep;8(3):139–46 (Eng. Abstr.) **(Fre)**

[Medical phonophoresis with anti-inflammatory agents] Famaey JP. **Acta Belg Med Phys** 1985 Jul–Sep;8(3):179–84 (Eng. Abstr.) **(Fre)**

[Ultrasound in the animal world: an overview] Libois RM. **Acta Belg Med Phys** 1985 Jul–Sep;8(3):147–53 (Eng. Abstr.) **(Fre)**

[Value of ultrasonics in the monitoring of intrauterine devices: apropos of 120 cases] Rezgui M, et al. **Tunis Med** 1985 Jun–Jul;63(6–7):390–3 (Eng. Abstr.) **(Fre)**

[Doppler ultrasonic evaluation of the efficiency of extra-intracranial anastomoses] Biedert S, et al. **Ear Arch Psychiatry Neurol Sci** 1986;235(5):315–22 (Eng. Abstr.) **(Ger)**

[Ultrasonography and computerized tomography in the determination of the femoral angle of anteversion. Experimental and clinical comparative study] Baratelli M, et al. **Radiol Med (Torino)** 1985 Jun;71(6):413–6 (Eng. Abstr.) **(Ita)**

[Abdominal ultrasonography in the staging and follow-up of malignant lymphomas] Scutellari PN, et al. **Radiol Med (Torino)** 1985 Jun;71(6):417–21 (Eng. Abstr.) **(Ita)**

[Experimental study on the effect of intracranial use of ultrasonic surgical aspirator with electric striction transducer] Konishi T, et al. **Neurol Med Chir (Tokyo)** 1985 Nov;25(11):894–9 (Eng. Abstr.) **(Jpn)**

[Ultrasonic tissue characterization of parotid tumors—measurement of the velocity of ultrasound in parotid tumors in vivo—relationship between ultrasonic properties and tissue constituents] Ishige T. **Nippon Jibiinkoka Gakkai Kaiho** 1985 Jun;88(6):734–46 (Eng. Abstr.) **(Jpn)**

[The development of ultrasonic microscopy and its biomedical application] Tanaka M. **Nippon Rinsho** 1985 Dec;43(12):2713–25 (26 ref.) **(Jpn)**

[Ultrasonic relaxation] Mitaku S. **Tangokushitsu Kakusan Koso** 1985 Sep;(28):208–10 **(Jpn)**

[Creation of percutaneous nephrostomy guided by ultrasonography] Kuzaka B, et al. **Pol Tyg Lek** 1985 Aug 5;40(31):876–9 (Eng. Abstr.) **(Pol)**

[The effect of ultrasound on the antigenic activity of human erythrocytes] Piruzian LA, et al. **Biofizika** 1986 Mar–Apr; 31(2):269–73 (Eng. Abstr.) **(Rus)**

[Use of focused ultrasound in experiments to study the development of brain nerve tissue in chicken embryogenesis] Karamian AI, et al. **Dokl Akad Nauk SSSR** 1985;284(4):979–82 **(Rus)**

[Changes in the steady potential in various structures of the rat brain induced by focused ultrasound] Vykhodtseva NI, et al. **Dokl Akad Nauk SSSR** 1986 Mar–Apr;287(1):248–51 **(Rus)**

[Auditory perception of focused ultrasound (morphofunctional electrophysiological, psychophysical and clinico-physiological aspects] Vartanian IA, et al. **Fiziol Cheloveka** 1985 May–Jun;11(3):386–94 **(Rus)**

[Effect of experimental low frequency ultrasound on the protoscolices of of echinococcus and alveococcus] Biriukov IuV, et al. **Grudn Khir** 1986 Jan–Feb;(1):42–5 (Eng. Abstr.) **(Rus)**

[Spreading depression in the cortex and subcortical structures of the brain of the rat induced by exposure to focused ultrasound] Koroleva VI, et al. **Neirofiziologiia** 1986; 18(1):55–61 (Eng. Abstr.) **(Rus)**

[Blood circulation in the ophthalmic artery basin in patients with aphakia studied by Doppler ultrasound] Kartasheva EA, et al. **Oftalmol Zh** 1985;(5):275–7 (Eng. Abstr.) **(Rus)**

[Somatosensory and auditory perception based on research data from using focused ultrasound] Tsirul'nikov EM. **Zh Evol Biokhim Fiziol** 1985 Nov–Dec;21(6):591–6 (21 ref.) **(Rus)**

[Bioacoustics and biomagnetism] Bru Villaseca L. **An R Acad Nac Med (Madr)** 1985;102(3):217–40 **(Spa)**

[Transrectal echography of the seminal vesicles] Espuela Orgaz R, et al. **Arch Esp Urol** 1985 May–Jun;38(3):253–8 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Ultrasound: biological effects and industrial hygiene concerns. Wiernicki C, et al. **Am Ind Hyg Assoc J** 1985 Sep;46(9):488–96

Dynamics of high-frequency hearing loss of operators of industrial ultrasonic devices. Grzesik J, et al. **Int Arch Occup Environ Health** 1986;57(2):137–42

Chronic response of normal porcine fat and muscle to focused ultrasound hyperthermia. Adams WM, et al. **Radiat Res** 1985 Nov;104(2 Pt 1):140–52

Is pulsed ultrasound mutagenic? Barnett SB, et al. **Ultrasound Med Biol** 1983;Suppl 2:45–8

Ultrasonically induced morphological changes in the mammalian neonatal spinal cord. Borrelli MJ, et al. **Ultrasound Med Biol** 1986 Apr;12(4):285–95

Does ultrasound induce sister chromatid exchanges? Miller MW. **Ultrasound Med Biol** 1985 Jul–Aug;11(4):561–70 (55 ref.)

Stable cavitation at low ultrasonic intensities induces cell death and inhibits 3H-TdR incorporation by Con-A-stimulated murine lymphocytes in vitro. Vivino AA, et al. **Ultrasound Med Biol** 1985 Sep–Oct;11(5):751–9

Haemolysis in vivo by therapeutic intensities of ultrasound. Williams AR, et al. **Ultrasound Med Biol** 1986 Jun; 12(6):501–9

[Does ultrasound have side effects?] Lucas C, et al. **Ned Tijdschr Geneeskd** 1986 Jan 4;130(1):40 **(Dut)**

[Possible biological effects and dangers of ultrasonics in perinatal medicine] Relier JP, et al. **Arch Fr Pediatr** 1985 Aug–Sep;42(7):491–5 (26 ref.) **(Fre)**

[Does ultrasound have an adverse effect on the fertility of women?] Quéreux C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(2):159–64 (Eng. Abstr.) **(Fre)**

[Effect of low-frequency ultrasound on the pleura and adjoining lung tissue] Vladimirtseva AL, et al. **Biull Eksp Biol Med** 1986 Jul;102(7):102–5 (Eng. Abstr.) **(Rus)**

[Effect of ultrasonics on internal ear receptors in chronic suppurative otitis media] Anichin VF, et al.

Vestn Otorinolaringol 1986 Mar-Apr;(2):8-13 (Eng. Abstr.) (Rus)

EDUCATION

Ultrasound--what do we need to know? John C. Radiography 1985 Jul-Aug;51(598):236-40
So you want to start a sonography program. Carlock PD, et al. Radiol Technol 1985 Nov-Dec;57(2):164-5

HISTORY

First steps in the development of the Doppler flowmeter. Kaneko Z. Ultrasound Med Biol 1986 Mar;12(3):187-95
Development of medical ultrasonics. Reid JM. Ultrasound Med Biol 1983;Suppl 2:3-7

INSTRUMENTATION

Phacoemulsification with the Heslin/Mackool Ocusystem: a follow-up report. Heslin KB, et al. Ann Ophthalmol 1985 Oct;17(10):601-4
The cavitron ultrasonic surgical aspirator system. An anatomical and physiological study of the effect of its use on the rat facial nerve. Gleeson MJ, et al. Clin Otolaryngol 1986 Jun;11(3):177-87
Ultrasonic Doppler probe assessment by scanned hydrophone. Chivers RC, et al. Clin Phys Physiol Meas 1986 May;7(2):161-78
A comparison between mean frequency estimators for multigated Doppler systems with serial signal processing. Kristoffersen K, et al. IEEE Trans Biomed Eng 1985 Sep; 32(9):645-57
Monitoring microvascular anastomoses by spectral analyzing multifrequency bidirectional CW ultrasound Doppler flowmeter. Mailänder P, et al. J Reconstr Microsurg 1986 Jan;2(2):107-9
"Therapeutic" ultrasound [letter]Fyfe MC. Med J Aust 1985 Oct 14;143(8):369
Measurement of the efficiency of tissue removal with the Cavitron Ultrasonic Surgical Aspirator and the comparison with a new motor-driven probe. Chan KK, et al. Ultrasound Med Biol 1985 May-Jun;11(3):L533-7
A discussion of procedures for ultrasonic intensity and power calculations from miniature hydrophone measurements. Harris GR. Ultrasound Med Biol 1985 Nov-Dec; 11(6):803-17
A comparison of the AIUM/NEMA, IEC and FDA (1980) definitions of various acoustic output parameters for ultrasonic transducers. Livett AJ, et al. Ultrasound Med Biol 1985 Nov-Dec;11(6):793-802
[New puncture aid in angiography (puncture doppler sonde)] Schmarsow R. ROFO 1986 Aug;145(2):233-4 (Ger)
[Advantages of ultrasonic surgical instruments in experimental neurophysiology] Ogleznev KIa, et al. Biull Eksp Biol Med 1986 Jul;102(7):115-6 (Eng. Abstr.) (Rus)
[Separation of undamaged single nerve fibers by using an ultrasonic microscalpel] Selektor LIa, et al. Biull Eksp Biol Med 1985 Dec;100(12):761-2 (Eng. Abstr.) (Rus)

METHODS

Neonatal blood pressure at birth by the Doppler method. Zachman RD, et al. Am Heart J 1986 Jan;111(1):189-90
Noninvasive measurements of nonlinear arterial elasticity. Megerman J, et al. Am J Physiol 1986 Feb;250(2 Pt 2):H181-8
Determination of corneal thickness using ultrasonic pachometry. Kremer FB, et al. Ann Ophthalmol 1985 Aug; 17(8):506-7
Comparison between ultrasonic and thermodilution cardiac output measurements in intensive care patients. Vandenbogaerde JF, et al. Crit Care Med 1986 Apr; 14(4):294-7
In vivo measurement of attenuation. Ferrari L, et al. Ultrasonics 1986 Mar;24(2):66-72
[Possibilities for the outpatient evaluation of the structure and function of the renal arteries by 2-dimensional Doppler echo scanning] Iurenev AP, et al. Ter Arkh 1986;58(1):13-6 (Rus)

ULTRASONOGRAPHY see ULTRASONIC DIAGNOSIS

ULTRAVIOLET RAYS

Induction of UVA pigmentation in pressure areas by hydrogen peroxide. Tegner E, et al. Acta Derm Venereol (Stockh) 1986;66(1):65-7
Unscheduled DNA synthesis in lens epithelium after in vivo exposure to UV radiation in the 300 nm wavelength region. Söderberg PG, et al. Acta Ophthalmol (Copenh) 1986 Apr; 64(2):162-8
Skin calcium binding protein: effect of ultraviolet B irradiation. Rizk M, et al. Am J Physiol 1986 Sep;251(3 Pt 1):C329-34
Photoimmunology: study of the effects of nonionizing radiation on the immune system. Morison WL. Ann NY Acad Sci 1985;453:105-13 (53 ref.)
Activation of the melanocyte system by ultraviolet radiation and cell transformation. Pathak MA. Ann NY Acad Sci 1985;453:328-39
Photoreactivation and other ultraviolet/visible light effects on DNA in human skin. Sutherland BM, et al. Ann NY Acad Sci 1985;453:73-9
Ultraviolet absorption of commonly used clip-on sunglasses. Magnante DB, et al. Ann Ophthalmol 1985 Oct;17(10):614-6
Cloning in Streptococcus lactis of plasmid-mediated UV resistance and effect on prophage stability. Chopin MC, et al. Appl Environ Microbiol 1986 Feb;51(2):233-7
Differential analysis of experimental hypermelanosis induced by UVB, PUVA, and allergic contact dermatitis using a brownish guinea pig model. Imokawa G, et al. Arch Dermatol Res 1986;278(5):352-62
A novel synthetic vitamin-A-like compound (a polyprenoic acid derivative: E-5166) inhibits UVB-stimulated epidermal ornithine decarboxylase activity. Nemoto O, et al. Arch Dermatol Res 1986;278(5):407-9
Immune suppression by ultraviolet radiation and its role in ultraviolet radiation induced carcinogenesis in mice. Noonan FP, et al. Australas J Dermatol 1985 Apr;26(1):4-8
Differential regulation of base and nucleotide excision repair in mammalian cells. Erixon K. Basic Life Sci 1986; 38:159-70
The involvement of an E. coli multiprotein complex in the complete repair of UV-damaged DNA. Grossman L, et al. Basic Life Sci 1986;38:287-94
Mechanisms of mutagenesis of E. coli by ultraviolet light. Hutchinson F, et al. Basic Life Sci 1986;38:377-83
DNA-to-protein crosslinks and backbone breaks caused by far- and near-ultraviolet, and visible light radiations in mammalian cells. Peak MJ, et al. Basic Life Sci 1986; 38:193-202
Pyrimidine dimers induced alteration of DNA tertiary structure evidence for unwinding and shortening. Pedrini AM, et al. Basic Life Sci 1986;38:295-301
Differential expression of SOS genes in an E. coli mutant producing unstable lexA protein enhances excision repair but inhibits mutagenesis. Peterson KR, et al. Basic Life Sci 1986;38:265-71
Restoration of DNA repair in UV-sensitive Chinese hamster ovary cell by the denV gene from bacteriophage T4. Valerie K, et al. Basic Life Sci 1986;38:319-26
Ultraviolet light-induced crosslinking of two major phosphoproteins and poly(A)+RNA from free polyribosomes; changes in phosphorylation by inhibitors of transcription and translation. Schweiger A, et al. Biochem Biophys Res Commun 1986 Apr 14;136(1):356-61
Protein-protein and protein-DNA interactions in calf thymus nuclear matrix using cross-linking by ultraviolet irradiation. Boulikas T. Biochem Cell Biol 1986 May; 64(5):474-84
Delayed alteration of membrane fluidity in intact cultured B-16 melanoma cells affected by ultraviolet irradiation. Sakanashi T, et al. Biochem Int 1986 Feb;12(2):341-6
Interrelationships in rats of tissue pools of cholecalciferol and 25-hydroxycholecalciferol formed in u.v. light. Lawson DE, et al. Biochem J 1986 Jan 15;233(2):535-40
Cyclobutane pyrimidine dimers and (6-4) photoproducts block polymerization by DNA polymerase I. Chan GL, et al. Biochemistry 1985 Oct 8;24(21):5723-8
Photochemical cross-linking of tRNA1Arg to the 30S ribosomal subunit using aryl azide reagents attached to the anticodon loop. Chen JK, et al. Biochemistry 1985 Aug 27;24(18):4777-84
Photosensitive DNA cleavage and phage inactivation by copper(II)-camptothecin. Kuwahara J, et al. Biochemistry 1986 Mar 25;25(6):1216-21
Photoreversal-dependent release of thymidine and thymidine monophosphate from pyrimidine dimer-containing DNA excision fragments isolated from ultraviolet-damaged human fibroblasts. Weinfeld M, et al. Biochemistry 1986 May 6;25(9):2656-64
Photoaffinity labeling of whole cells by flashed light: a simple apparatus for high-energy ultraviolet flashes. Frimmer M, et al. Biochim Biophys Acta 1986 Feb 13;855(1):143-6
Analysis of the structure and spatial distribution of ultraviolet-induced DNA repair patches in human cells made in the presence of inhibitors of replicative synthesis. Mullenders LH, et al. Biochim Biophys Acta 1985 Oct 3; 826(1):38-48
Template properties of ultraviolet-irradiated poly(dC) replicated by E. coli DNA polymerase I: indication for a role of apyrimidinic-sites in UV-induced mutagenesis. Boiteux S, et al. Biochimie 1985 Mar-Apr;67(3-4):371-6
Distribution of ultraviolet-induced lesions in simian virus 40 DNA. Bourre F, et al. Biochimie 1985 Mar-Apr; 67(3-4):293-9
Recent aspects of the photochemistry of nucleic acids and related model compounds. Cadet J, et al. Biochimie 1985 Mar-Apr;67(3-4):277-92 (124 ref.)
Mutagenesis and growth delay induced in Escherichia coli by near-ultraviolet radiations. Favre A, et al. Biochimie 1985 Mar-Apr;67(3-4):335-42 (33 ref.)
Survival and mutagenesis of ultraviolet irradiated simian virus 40 in foetal human fibroblasts. Gentil A, et al. Biochimie 1985 Mar-Apr;67(3-4):393-8
Bifilar enzyme-sensitive sites in ultraviolet-irradiated DNA are indicative of closely opposed cyclobutyl pyrimidine dimers. Lam LH, et al. Biophys J 1986 Aug;50(2):307-17
Repair of near-ultraviolet (365 nm)-induced strand breaks in Escherichia coli DNA. The role of the polA and recA gene products. Miguel AG, et al. Biophys J 1986 Feb; 49(2):485-91
UV-induced reduction of Cu(II) in DNA complex studied by Cu-K-edge XANES. Rongoni E, et al. Biopolymers 1986 Feb;25(2):217-21
In vitro PUVA radiation abolishes fluorescent staining with epidermal cell and basement membrane zone markers. Danno K, et al. Br J Dermatol 1985 Oct;113(4):391-6
Use of UV-A sunbeds for cosmetic tanning. Diffey BL. Br J Dermatol 1986 Jul;115(1):67-76
The erythemal response to ultraviolet radiation in subjects with polymorphic light eruption. Diffey BL, et al. Br J Dermatol 1986 Jan;114(1):103-8
Effects of ultraviolet radiation and immunosuppressive therapy on mouse epidermal cell kinetics. Kelly GE, et al. Br J Dermatol 1986 Feb;114(2):197-208
Occupational exposure to ultraviolet radiation in dermatology departments. Larkö O, et al. Br J Dermatol 1986 Apr;114(4):479-84
Photoageing: the role of UVB, solar-simulated UVB, visible and psoralen UVA radiation. Pfau RG, et al. Br J Dermatol 1986 Mar;114(3):319-27
Photocarcinogenesis by methoxypsoralen, neutral red, proflavine, and long UV radiation. Santamaria L, et al. Cancer Detect Prev 1985;8(4):447-54
Chromosome alterations associated with in vitro exposure of human fibroblasts to chemical or physical carcinogens. Popescu NC, et al. Cancer Res 1986 Sep;46(9):4720-5
Changes in nuclear protein acetylation in u.v.-damaged human cells. Ramanathan B, et al. Carcinogenesis 1986 Jul; 7(7):1087-94
U.v. wavelength dependence for the induction of ornithine decarboxylase activity in hairless mouse epidermis. Young AR, et al. Carcinogenesis 1986 Apr;7(4):601-4
Serum effects on DNA repair in human cells. Smith ME, et al. Chem Biol Interact 1985 Aug-Sep;54(3):325-35
Light and scanning electron microscopic observations on the two contrasting types of sister chromatid differential staining after ultraviolet light irradiation. Takayama S, et al. Chromosoma 1986;93(5):404-8
Effect of ultraviolet light on creatinine measurement in jaundiced specimens. Nisbet JA, et al. Clin Chim Acta 1986 Mar 28;155(3):335-9
Investigation into the effects of the photodecomposition of norethisterone by UV-B light on Salmonella typhimurium TA98 and the rat. Sedee AG, et al. Contraception 1985 Aug;32(2):207-16
Ultraviolet B radiation induces "local immunosuppression". Bergstresser PR. Curr Probl Dermatol 1986;15:205-18 (42 ref.)
Ultraviolet-induced pigmentary changes: benefits and hazards. Fitzpatrick TB. Curr Probl Dermatol 1986; 15:25-38 (24 ref.)
Molecular targets of UVB. Jung EG. Curr Probl Dermatol 1986;15:117-24
Effects of short-wave UV and PUVA treatment on structure and phenotype of bone marrow-derived dendritic cells of the mouse epidermis. Stingl G, et al. Curr Probl Dermatol 1986;15:195-204
Nosocomial infection: prevention by special clean-air, ultraviolet light, and barrier (isolator) techniques. Levenson SM, et al. Curr Probl Surg 1986 Jul;23(7):453-558 (224 ref.)
Tanning. Gange RW. Dermatol Clin 1986 Apr;4(2):189-93
Photoprotective effect of topical indomethacin--an experimental study. Schwarz T, et al. Dermatologica 1985; 171(6):450-8
Ultraviolet radiation inactivates SV40 by disrupting at least four genetic functions. Brown TC, et al. EMBO J 1986 Jan;5(1):197-203
Near ultraviolet DNA damage induces the SOS responses in Escherichia coli. Caldeira de Araujo A, et al. EMBO J 1986 Jan;5(1):175-9
Formation and repair of psoralen-DNA adducts and pyrimidine dimers in human DNA and chromatin. Cleaver JE, et al. Environ Health Perspect 1985 Oct;62:127-34
Cytotoxic and mutagenic effects of specific carcinogen-DNA adducts in diploid human fibroblasts. McCormick JJ, et al. Environ Health Perspect 1985 Oct;62:145-55
Kinetics of the inhibition and recovery of semiconservative DNA synthesis following the induction of non-dimer DNA damages by solar ultraviolet radiation in ICR 2A frog cells. Rosenstein BS. Environ Mutagen 1985;7(6):913-8
Induction of polynucleotide-protein cross-linkages by ultraviolet irradiation. Peculiarities of the high-intensity laser pulse irradiation. Budowsky EI, et al. Eur J Biochem 1986 Aug 15;159(1):95-101
Changes induced by ozone and ultraviolet light in type I collagen. Bovine Achilles tendon collagen versus rat tail tendon collagen. Fujimori E. Eur J Biochem 1985 Oct 15; 152(2):299-306
Posterior cataract induction by UV-B radiation in albino mice. Jose JG. Exp Eye Res. 1986 Jan;42(1):11-20
Ultraviolet irradiation of DNA: a way of generating partial digests for rapid restriction site mapping. Whittaker PA, et al. Gene 1986;41(1):129-34
A contribution to optimizing radiological protection in a U mine. Lombard J, et al. Health Phys 1986 Apr;50(4):473-83
Effect of variable doses of ultraviolet radiation (253.7 nm) on thermoluminescence NaCl:Ca(T) material. Nehate AK, et al. Health Phys 1986 Apr;50(4):485-91
Altered cellular response to UV irradiation in a patient affected by premature ageing. Stefanini M, et al. Hum Genet 1986 Jul;73(3):189-92
Circulating suppressor factors in mice subjected to ultraviolet irradiation and contact sensitization. Harriott-Smith TG, et al. Immunology 1986 Feb;57(2):207-11

Two phenotypically distinct T cells (Ly1+2- and Ly1-2+) are involved in ultraviolet-B light-induced suppression of the efferent DTH response to HSV-1 in vivo. Howie SE, et al. **Immunology** 1986 Aug;58(4):653–8

Alterations in epidermal handling of HSV-1 antigens in vitro induced by in vivo exposure to UV-B light. Howie SE, et al. **Immunology** 1986 Feb;57(2):225–30

Suppressor lymphocytes induced by epicutaneous sensitization of UV-irradiated mice control multiple immunological pathways. Ullrich SE, et al. **Immunology** 1986 Jun;58(2):185–90

Partial suppression of UV-sensitivity by plasmids in Haemophilus. Kanade RP, et al. **Indian J Exp Biol** 1986 Feb;24(2):108–11

Photodynamic inactivation of red cell uroporphyrinogen decarboxylase by porphyrins. Batlle AM, et al. **Int J Biochem** 1986;18(2):143–7

The effect of an ultraprotective sunscreen on Langerhans cell alteration induced by ultraviolet light in human skin. Edwards EK Jr, et al. **Int J Dermatol** 1986 Jun;25(5):327–9

The response of normal and ataxia-telangiectasia human fibroblasts to the lethal effects of far, mid and near ultraviolet radiations. Keyse SM, et al. **Int J Radiat Biol** 1985 Dec;48(6):975–85

Defective post-replication recovery and u.v. sensitivity in a simian virus 40-transformed Indian muntjac cell line. Pilidge L, et al. **Int J Radiat Biol** 1986 Jul;50(1):119–36

UV-type damage associated with ionizing radiation: a review. Redpath JL. **Int J Radiat Biol** 1986 Aug; 50(2):191–203

Interaction of ultraviolet laser light with the cornea. Krueger RR, et al. **Invest Ophthalmol Vis Sci** 1985 Nov; 26(11):1455–64

Stable transformation of the cyanobacterium Synechocystis sp. PCC 6803 induced by UV irradiation. Dzelzkalns VA, et al. **J Bacteriol** 1986 Mar;165(3):964–71

Essential role of small, acid-soluble spore proteins in resistance of Bacillus subtilis spores to UV light. Mason JM, et al. **J Bacteriol** 1986 Jul;167(1):174–8

Mechanism of replication of ultraviolet-irradiated single-stranded DNA by DNA polymerase III holoenzyme of Escherichia coli. Implications for SOS mutagenesis. Livnch Z. **J Biol Chem** 1986 Jul 15;261(20):9526–33

UV-induced interstrand cross-linking of d(GT)n.d(CA)n is facilitated by a structural transition. Love JD, et al. **J Biol Chem** 1986 Aug 5;261(22):10051–7

Inhibition of small nuclear RNA synthesis by ultraviolet radiation. Morra DS, et al. **J Biol Chem** 1986 Mar 5; 261(7):3142–6

Stability of nucleosome placement in newly repaired regions of DNA. Nissen KA, et al. **J Biol Chem** 1986 Jul 5; 261(19):8585–8

Ultraviolet light absorption in intraocular lenses. Lindstrom RL, et al. **J Cataract Refract Surg** 1986 May;12(3):285–9

Xeroderma pigmentosum D-HeLa hybrids with low and high ultraviolet sensitivity associated with normal and diminished DNA repair ability, respectively. Johnson RT, et al. **J Cell Sci** 1985 Jun;76:115–33

Ultraviolet radiation-induced decreases in tension and phosphorylase a formation in rat aorta. Lincoln TM, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1985; 10(6):525–33

Dynamics of the control of body pattern in the development of Xenopus laevis. III. Timing and pattern after u.v. irradiation of the egg and after excision of presumptive head endo-mesoderm. Cooke J. **J Embryol Exp Morphol** 1985 Aug;88:135–50

Isolation and physiological characterization of mitomycin C-sensitive/UV-sensitive mutants in Bacteroides fragilis. Abratt VR, et al. **J Gen Microbiol** 1985 Sep;131 (Pt 9):2479–83

Ultraviolet radiation and air contamination during total hip replacement. Carlsson AS, et al. **J Hosp Infect** 1986 Mar; 7(2):176–84

Desensitization of animals to the inflammatory effects of ultraviolet radiation is mediated through mechanisms which are distinct from those responsible for endotoxin tolerance. Gahring LC, et al. **J Immunol** 1986 Apr 15; 136(8):2868–74

Higher pyrimidine dimer yields in skin of normal humans with higher UVB sensitivity. Freeman SE, et al. **J Invest Dermatol** 1986 Jan;86(1):34–6

Comparative protection efficiency of UVA- and UVB-induced tans against erythema and formation of endonuclease-sensitive sites in DNA by UVB in human skin. Gange RW, et al. **J Invest Dermatol** 1985 Oct; 85(4):362–4

UVL and the epidermal Langerhans cell [letter] Iacobelli D, et al. **J Invest Dermatol** 1986 Aug;87(2):292–3

Studies on the mechanism of systemic suppression of contact hypersensitivity by UVB radiation. II. Differences in the suppression of delayed and contact hypersensitivity in mice. Kripke ML, et al. **J Invest Dermatol** 1986 May;86(5):543–9

Quantitative evaluations of the effect of UV irradiation on the infectivity of HTLV-III (AIDS virus) with HTLV-I-carrying cell line, MT-4. Nakashima H, et al. **J Invest Dermatol** 1986 Aug;87(2):239–43

Enhancement of the elicitation phase of the murine contact hypersensitivity response by prior exposure to local ultraviolet radiation. Polla L, et al. **J Invest Dermatol** 1986 Jan;86(1):13–7

Inhibition of the induction of contact hypersensitivity by a UV-mediated epidermal cytokine. Schwarz T, et al. **J Invest Dermatol** 1986 Aug;87(2):289–91

Abnormal wound healing in UV-irradiated skin of Sencar mice. Strickland PT. **J Invest Dermatol** 1986 Jan; 86(1):37–41

Inhibition of human lymphocyte proliferation by ultraviolet radiation: effects of ultraviolet B (290 to 320 nm) on T-lymphocytes, monocyte accessory function, and induction of suppressor mechanisms. Lederman MM, et al. **J Lab Clin Med** 1986 Jan;107(1):66–72

Pyrimidine dimers are not the principal pre-mutagenic lesions induced in lambda phage DNA by ultraviolet light. Wood RD. **J Mol Biol** 1985 Aug 20;184(4):577–85

Ultraviolet light-induced yellowing of dental restorative resins. Ferracane JL, et al. **J Prosthet Dent** 1985 Oct; 54(4):483–7

Effects of 2'-chlorothymidine on Chinese hamster cells irradiated with X-rays and ultraviolet light. Murai T, et al. **J Radiat Res (Tokyo)** 1985 Jun;26(2):233–7

Inhibitory effect of irradiation of DNA with near ultraviolet light in the presence of 8-methoxypsoralen on cleavage by restriction endonucleases. Wei K, et al. **J Radiat Res (Tokyo)** 1986 Mar;27(1):99–104

Effects of UV-cutting filters on aggregation of lens protein. Iwata MA, et al. **Jpn J Ophthalmol** 1985;29(4):460–7

Inactivation of bacteria and viruses in water: passage of germicidal ultraviolet light through Teflon. Wallbank AM, et al. **Lab Anim** 1985 Oct;19(4):273–4

DNA repair by articular chondrocytes. III. Unscheduled DNA synthesis following ultraviolet light irradiation of resting cartilage. Lipman JM, et al. **Mech Ageing Dev** 1985 Oct 14;32(1):39–55

The relationship between ultraviolet radiation and epithelial cancer. Illingworth JE. **Med Hypotheses** 1986 Feb; 19(2):155–9

A yeast protein analogous to Escherichia coli RecA protein whose cellular level is enhanced after UV irradiation. Angulo JF, et al. **MGG** 1985;201(1):20–4

Partial complementation of the UV sensitivity of E. coli and yeast excision repair mutants by the cloned denV gene of bacteriophage T4. Chenevert JM, et al. **MGG** 1986 Apr; 203(1):163–71

Untargeted mutagenesis induced by UV in the lacI gene of Escherichia coli. Christensen RB, et al. **MGG** 1985; 201(1):30–4

Regulation of the RAD6 gene of Saccharomyces cerevisiae in the mitotic cell cycle and in meiosis. Kupiec M, et al. **MGG** 1986 Jun;203(3):538–43

Enhancement of genetic transformation frequencies of mammalian cell cultures by damage to the cell DNA. Postel EH. **MGG** 1985;201(1):136–9

Analysis of mutagenic DNA repair in a thermoconditional mutant of Saccharomyces cerevisiae. III. Dose-response pattern of mutation induction in UV-irradiated rev2ts cells. Siede W, et al. **MGG** 1986 Jan;202(1):68–74

Mechanism of sbcB-suppression of the recBC-deficiency in postreplication repair in UV-irradiated Escherichia coli K-12. Wang TC, et al. **MGG** 1985;201(2):186–91

The use of plasmid DNA to probe DNA repair functions in the yeast Saccharomyces cerevisiae. White CI, et al. **MGG** 1985;201(1):99–106

Role of the RecF gene product in UV mutagenesis of lambda phage. Wood RD, et al. **MGG** 1986 Jul;204(1):82–4

Photoreactivation reverses ultraviolet radiation induced premutagenic lesions leading to frameshift mutations in Escherichia coli. Yamamoto K. **MGG** 1985;201(2):141–5

Suppressive effect of ultraviolet-B-irradiation of epidermal cells on the induction of contact sensitivity. Tsuchida T, et al. **Microbiol Immunol** 1986;30(1):65–74

Effect of near-UV (366 nm) on the activity of certain nucleic acid enzymes in Verticillium agaricinum. Osman M, et al. **Microbios** 1985;43(174–175):185–91

Photochemical cross-linking of cap binding proteins to eucaryotic mRNAs: effect of mRNA 5' secondary structure. Pelletier J, et al. **Mol Cell Biol** 1985 Nov; 5(11):3222–30

Interaction of UV and N-methyl-N'-nitro-N-nitrosoguanidine: cytotoxicity and mutagenicity in V79 cells. Bhattacharyya N, et al. **Mutat Res** 1985 Oct;152(1):77–83

A yeast screening system for simultaneously monitoring multiple genetic endpoints. Dixon ML, et al. **Mutat Res** 1986 Jun;161(1):49–64

Recovery of growth-arrested human fibroblasts from UV-induced lethal damage is inhibited by low cell density or sodium butyrate. Enninga IC, et al. **Mutat Res** 1985 Nov-Dec;152(2–3):233–41

Lethal and mutagenic effects of radiation and alkylating agents on two strains of mouse L5178Y cells. Evans HH, et al. **Mutat Res** 1986 Jun;161(1):91–7

A new ultraviolet-light sensitive mutant of Neurospora crassa with unusual photoreactivation property. Inoue H, et al. **Mutat Res** 1985 Nov-Dec;152(2–3):161–8

Antimutagenic effects of 5-fluorouracil and 5-fluorodeoxyuridine on UV-induced mutagenesis in Escherichia coli. Ohta T, et al. **Mutat Res** 1986 Jan; 173(1):19–24

Effect of 3-aminobenzamide on the process of ultraviolet-induced DNA excision repair. Otsuka F, et al. **Mutat Res** 1986 Jun;161(1):75–82

Sensitivity to DNA-damaging agents and mutation induction by UV light in UV-sensitive CHO cells. Stefanini M, et al. **Mutat Res** 1986 Jun;174(2):155–9

Comparison of sister-chromatid exchange induced by photoactivated 3-carbethoxypsoralen and 8-methoxypsoralen in human blood lymphocytes. Vijayalaxmi, et al. **Mutat Res** 1985 Nov-Dec; 152(2–3):211–5

Postreplicational formation and repair of DNA double-strand breaks in UV-irradiated Escherichia coli uvrB cells. Wang TC, et al. **Mutat Res** 1986 Jan;165(1):39–44

Ultraviolet-induced 8,8-adenine dehydrodimers in oligo- and polynucleotides. Gasparro FP, et al. **Nucleic Acids Res** 1986 May 27;14(10):4239–51

Photoalkylated DNA and ultraviolet-irradiated DNA are incised at cytosines by endonuclease III. Weiss RB, et al. **Nucleic Acids Res** 1985 Aug 26;14(16):6621–31

Further studies on the effects of UV radiation on the human lens. Lerman S, et al. **Ophthalmic Res** 1985;17(6):354–61

Change in sulfhydryl group microenvironment of calf lens alpha-crystallin by 300 nm light. Andley UP, et al. **Photochem Photobiol** 1986 Feb;43(2):175–81

Conformational changes of bovine lens crystallins in a photodynamic system. Andley UP, et al. **Photochem Photobiol** 1986 Jul;44(1):67–74

Drug sensitization: photobinding of sulfanilamide to bovine serum albumin. Bec JL, et al. **Photochem Photobiol** 1986 Jul;44(1):41–5

UVA exposure and pituitary secretion. Variations of human lipotropin concentrations (beta LPH) after UVA exposure. Belon PE. **Photochem Photobiol** 1985 Sep;42(3):327–9

Triplet excited states of 4',5'-photomonoadducts of 3-carbethoxypsoralen and 8-methoxypsoralen with DNA nucleosides. Blais J, et al. **Photochem Photobiol** 1985 Nov; 42(5):599–602

Methylallopsoralen-thymine 3,4- and 4',5'-monoadducts formed in the photoreaction with DNA. Caffieri S, et al. **Photochem Photobiol** 1985 Oct;42(4):361–6

Use of metabolic inhibitors to investigate the excision repair of pyrimidine dimers and non-dimer DNA damages induced in human and ICR 2A frog cells by solar ultraviolet radiation. Chao CC, et al. **Photochem Photobiol** 1986 Feb;43(2):165–70

Photoaddition of chlorpromazine to guanosine-5'-monophosphate. Ciulla TA, et al. **Photochem Photobiol** 1986 Jun;43(6):607–13

An action spectrum for UV photocarcinogenesis. Cole CA, et al. **Photochem Photobiol** 1986 Mar;43(3):275–84

Genetic effects of UV-B: mutagenicity of 308 nm light in Chinese hamster V79 cells. Colella CM, et al. **Photochem Photobiol** 1986 Apr;43(4):437–42

Effect of far-UV and near-UV radiation on the cell surface charge of the protozoan Tritrichomonas foetus. Costa e Silva Filho F, et al. **Photochem Photobiol** 1986 May; 43(5):505–7

Photosensitized production of superoxide anion by monochromatic (290–405 nm) ultraviolet irradiation of NADH and NADPH coenzymes. Cunningham ML, et al. **Photochem Photobiol** 1985 Aug;42(2):125–8

Effect of UV radiation on survival of non-haired mice. Davies RE, et al. **Photochem Photobiol** 1986 Mar; 43(3):267–74

Cellular uptake of hydroxyethylvinyldeuteroporphyrin (HVD) and photoinactivation of cultivated human leukemia (REH6) cells. Dellinger M, et al. **Photochem Photobiol** 1986 Jun;43(6):639–47

Action spectrum studies for induction of immunologic unresponsiveness to dinitrofluorobenzene following in vivo low dose ultraviolet radiation. Elmets CA, et al. **Photochem Photobiol** 1985 Oct;42(4):391–7

UVA effects on mammalian skin and cells. Gange RW, et al. **Photochem Photobiol** 1986 Jun;43(6):701–5 (49 ref.)

Interdependence of fluence, drug dose and oxygen on hematoporphyrin derivative induced photosensitization of tumor mitochondria. Gibson SL, et al. **Photochem Photobiol** 1985 Oct;42(4):367–73

Effects of 8-methoxypsoralen and near ultraviolet radiation on the survival of the lower eukaryote D. discoideum. Graetzer R, et al. **Photochem Photobiol** 1985 Sep; 42(3):275–9

Metabolism of tRNAs in growing cells of Escherichia coli illuminated with near-ultraviolet light. Hajnsdorf E, et al. **Photochem Photobiol** 1986 Feb;43(2):157–64

In situ hydrogen peroxide production may account for a portion of NUV (300–400 nm) inactivation of stationary phase Escherichia coli. Hartman PS. **Photochem Photobiol** 1986 Jan;43(1):87–9

Photochemical sensitization by azathioprine and its metabolites—I. 6-Mercaptopurine. Hemmens VJ, et al. **Photochem Photobiol** 1986 Mar;43(3):247–55

Photochemical sensitization by azathioprine and its metabolites—II. Azathioprine and nitroimidazole metabolites. Hemmens VJ, et al. **Photochem Photobiol** 1986 Mar;43(3):257–62

The cytotoxic and mutagenic effects of UVA radiation on L5178Y mouse lymphoma cells. Hitchins VM, et al. **Photochem Photobiol** 1986 Jul;44(1):53–7

Repair of UV-irradiated plasmid DNA in excision repair deficient mutants of Saccharomyces cerevisiae. Ikai K, et al. **Photochem Photobiol** 1985 Aug;42(2):179–81

An action spectrum for blue and near ultraviolet inactivation of Propionibacterium acnes; with emphasis on a possible porphyrin photosensitization. Kjeldstad B, et al. **Photochem Photobiol** 1986 Jan;43(1):67–70

Lack of inhibition of ultraviolet radiation-induced ornithine decarboxylase activity by retinoic acid. Kligman LH. **Photochem Photobiol** 1986 Apr;43(4):449–53

Wavelength dependence for ornithine decarboxylase induction in vivo. Kligman LH, et al. **Photochem Photobiol** 1986 Jun;43(6):649–54

Enhancement of mutagenesis and human skin cancer rates resulting from increase fluences of solar ultraviolet radiation. Kubitschek HE, et al. **Photochem Photobiol** 1986 Apr;43(4):443–7

Far UV irradiation of DNA in the presence of proteins, amino acids or peptides. Larcom LL, et al. **Photochem Photobiol** 1985 Aug;42(2):113–20

Acute effects of low-fluence ultraviolet light on human T-lymphocyte subsets. McGrath H, et al. **Photochem Photobiol** 1986 Jun;43(6):627–31

Carotenoids quench evolution of excited species in epidermis exposed to UV-B (290–320 nm) light. Mathews-Roth MM. **Photochem Photobiol** 1986 Jan;43(1):91–3

Effect of mid-UV radiation of DNA-Cu2+ complex: absorption and circular dichroism study. Matzeu M, et al. **Photochem Photobiol** 1986 Jul;44(1):59–65

Recovery of subchromosomal DNA synthesis in synchronous V-79 Chinese hamster cells after ultraviolet light exposure. Meechan PJ, et al. **Photochem Photobiol** 1986 Feb; 43(2):149–56

Repair of cyclobutane dimers and (6–4) photoproducts in ICR 2A frog cells. Mitchell DL, et al. **Photochem Photobiol** 1986 May;43(5):595–7

Porphyrin photosensitization of proteins in cell membranes as studied by spin-labelling and by quantification of DTNB-reactive SH-groups. Moan J, et al. **Photochem Photobiol** 1986 Jul;44(1):15–9

The effects of ultraviolet light on host cell reactivation and plaque size of herpes simplex virus type I in C3H/10T1/2 mouse cells. Montes JG, et al. **Photochem Photobiol** 1986 Jan;43(1):35–40

Benzofurocoumarins: new monofunctional DNA-photobinding agents. Palumbo M, et al. **Photochem Photobiol** 1986 Jul;44(1):1–4

Mutagenic effects photoinduced in mammalian cells in vitro by two monofunctional pyridopsoralens. Papadopoulo D, et al. **Photochem Photobiol** 1986 Jul;44(1):31–9

Different (direct and indirect) mechanisms for the induction of DNA–protein crosslinks in human cells by far- and near-ultraviolet radiations (290 and 405 nm). Peak MJ, et al. **Photochem Photobiol** 1985 Aug;42(2):141–6

Reduced repair of non-dimer photoproducts in a gene transfected into xeroderma pigmentosum cells. Protić-Sabljić M, et al. **Photochem Photobiol** 1986 May; 43(5):509–13

The ocular dose of ultraviolet radiation from sunlight exposure. Rosenthal FS, et al. **Photochem Photobiol** 1985 Aug;42(2):163–71

Photosensitization of melanins: a comparative study. Sarna T, et al. **Photochem Photobiol** 1985 Nov;42(5):529–32

Induction of umuC+ gene expression in Escherichia coli irradiated by near ultraviolet light. Sato N, et al. **Photochem Photobiol** 1985 Aug;42(2):135–9

Extensive crosslinking between subunits of oligomeric proteins induced by furocoumarins plus UV-A irradiation. Schiavon O, et al. **Photochem Photobiol** 1986 Mar; 43(3):243–6

Metabolically-produced 'UV-like' DNA damage and its role in spontaneous mutagenesis. Smith KC, et al. **Photochem Photobiol** 1985 Dec;42(6):801–3

Photochemical modifications of lac repressor: effect of effectors binding on tryptophan photooxidation. Spodheim-Maurizot M, et al. **Photochem Photobiol** 1985 Oct;42(4):353–9

DNA excision repair in the very UV-sensitive xeroderma pigmentosum complementation group A strain XP4LO. Sullivan JK, et al. **Photochem Photobiol** 1986 Apr; 43(4):429–36

Sensitivity of hemA mutant Escherichia coli cells to inactivation by near-UV light depends on the level of supplementation with delta-aminolevulinic acid. Tuveson RW, et al. **Photochem Photobiol** 1986 Jun;43(6):621–6

Suppression of the induction of delayed-type hypersensitivity reactions in mice by a single exposure to ultraviolet radiation. Ullrich SE, et al. **Photochem Photobiol** 1986 Jun; 43(6):633–8

Ultraviolet light irradiation of defined-sequence DNA under conditions of chemical photosensitization. Umlas ME, et al. **Photochem Photobiol** 1985 Sep;42(3):265–73

Sensitivity of mouse Skh-HR-2 to ultraviolet light: mouse pigmentation model. Warren R. **Photochem Photobiol** 1986 Jan;43(1):41–7

Dyes and dye mixtures useful for generation of UV in a flashlamp driven tunable dye laser. Wheeler J, et al. **Photochem Photobiol** 1985 Sep;42(3):331–4

Comparative study of erythema response to UVA radiation in guinea pigs and humans. Whitman GB, et al. **Photochem Photobiol** 1985 Oct;42(4):399–403

Laser Doppler velocimetry to quantify UV-B induced increase in human skin blood flow. Young AR, et al. **Photochem Photobiol** 1985 Oct;42(4):385–90

Repair in Escherichia coli of a psoralen-DNA interstrand crosslink site specifically introduced into T410A411 of the plasmid pUC 19. Zhen WP, et al. **Photochem Photobiol** 1986 Jul;44(1):47–51

Studies on the mechanism of systemic suppression of contact hypersensitivity by ultraviolet B radiation. Kripke ML, et al. **Photodermatol** 1986 Feb;3(1):4–14

Relative ultraviolet spectral intensity of direct solar radiation, sky radiation and surface reflections. Relative contribution of natural sources to the outdoor UV irradiation of man. Kromana N, et al. **Photodermatol** 1986 Apr;3(2):73–82

Method of sensitization determines if UVB irradiation inhibits the development of delayed type hypersensitivity to nickel in guinea pigs. Lammintausta K, et al. **Photodermatol** 1986 Apr;3(2):102–3

Increased penetration of epidermis by high intensity ultraviolet rays following the application of vaseline oil. Leroy D, et al. **Photodermatol** 1986 Feb;3(1):51–2

UVL and epidermal cell cytokine production [editorial] Luger TA. **Photodermatol** 1986 Jun;3(3):123–4

Polymorphous light eruption: the properties of a UVA-induced PLME patient group. McFadden N, et al. **Photodermatol** 1986 Feb;3(1):36–40

Urocanic acid may not be the photoreceptor for UV-induced suppression of contact hypersensitivity. Morison WL, et al. **Photodermatol** 1986 Apr;3(2):98–101

Effect of UV radiation on the DNA synthesis of human thymocytes cultured in vitro. Nordlind K, et al. **Photodermatol** 1986 Jun;3(3):190–1

Night and day solar UVB and UVA radiation in areas with midnight sun at 70 degrees and 78 degrees north. Volden G, et al. **Photodermatol** 1986 Apr;3(2):106–8

Influence of monochromator bandwidth on the erythema action spectrum in the UV-B region. Young S, et al. **Photodermatol** 1985 Dec;2(6):383–7

Effect of U.V. irradiation and of various chemical conditions on the oxidation of NADH by pheomelanins. Ito AS, et al. **Physiol Chem Phys Med NMR** 1985;17(2):205–9

Survival of UV-irradiated mammalian cells correlates with efficient DNA repair in an essential gene. Bohr VA, et al. **Proc Natl Acad Sci USA** 1986 Jun;83(11):3830–3

Repair pathways in mammalian cells: incision-ligation kinetics after UV, X-rays and mutagenic chemicals. Effects of 3-aminobenzamide and hydroxy urea + cytosine arabinoside. Ahnström G. **Prog Clin Biol Res** 1986; 209A:275–82

Enhanced mutagenicity of low doses of alkylating agents and UV-light by inhibition of ribonucleotide reductase. Jenssen D. **Prog Clin Biol Res** 1986;209A:541–9

Base sequence alterations induced by ultraviolet radiation in the URA3 locus in yeast. von Borstel RC, et al. **Prog Clin Biol Res** 1986;209A:449–56

The role of pyrimidine dimers in mutagenesis by ultraviolet light. Wood RD, et al. **Prog Clin Biol Res** 1986;209A:191–8

Selective gene amplification in mammalian cells after exposure to 60Co gamma rays, 241Am alpha particles, or uv light. Lücke-Huhle C, et al. **Radiat Res** 1986 Jun; 106(3):345–55

Radiation enhancement of the efficiency of DNA-mediated gene transfer in CHO UV-sensitive mutants. Perez CF, et al. **Radiat Res** 1986 Jun;106(3):401–7

An attempt to stimulate mitosis in Saccharomyces cerevisiae with the ultraviolet luminescence from exponential phase cultures of this yeast. Quickenden TI, et al. **Radiat Res** 1985 May;102(2):254–63

Epidemiology of malignant melanoma: pigmentary traits, ultraviolet radiation, and the identification of high-risk populations. Dubin N, et al. **Recent Results Cancer Res** 1986;102:56–75

Could melanoma be caused by fluorescent light? A review of relevant physics. Maxwell KJ, et al. **Recent Results Cancer Res** 1986;102:137–43

Environmental exposure to UV-B radiation. Diffey BL. **Rev Environ Health** 1984;4(4):317–37 (46 ref.)

Detection of cell-mediated lympholysis determinants encoded by the I-A and I-E genes on ultraviolet-irradiated spleen cells. Beretta A, et al. **Scand J Immunol** 1985 Sep; 22(3):267–71

Studies on gene transfer and reversion to UV resistance in xeroderma pigmentosum cells. Schultz RA, et al. **Somatic Cell Mol Genet** 1985 Nov;11(6):617–24

The immunology of skin cancer. Kripke ML. **Symp Fundam Cancer Res** 1986;38:113–20

Inhibition of HLA-DR antigen expression and of the allogeneic mixed leukocyte reaction by photochemical treatment. Gruner S, et al. **Tissue Antigens** 1986 Mar; 27(3):147–54

[Effect of ultraviolet and sunlight irradiation on the nitrosamine decomposition in fish meal] He YQ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1986 Jan;20(1):1–2 (Eng. Abstr.) (Chi)

[Ultraviolet radiation (UR) of living room sunlight and its biological effects] Qiu SC. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1985 Nov; 19(6):329–32 (Eng. Abstr.) (Chi)

[UV-ray sensitivity of patients with malignant melanoma] Galosi A, et al. **Hautarzt** 1985 Aug;36(8):449–52 (Eng. Abstr.) (Ger)

[The effect of UV radiation on Trevira threads.] Kothe HW, et al. **Ophthalmologica** 1986;192(2):71–5 (Eng. Abstr.) (Ger)

[Is the decrease of cholesterol after ultraviolet irradiation of blood an effect of citrate? Discussion] Frick G, et al. **Z Gesamte Inn Med** 1985 Sep 1;40(17):522–4 (Ger)

[Membrane fluidity of B-16 melanoma cells exposed to ultraviolet light UV-B] Sugiyama M, et al. **Nippon Hifuka Gakkai Zasshi** 1985 Sep;95(10):1043–7 (Jpn)

[UV or X-ray sensitivity of cells from Cockayne syndrome] Sugita K, et al. **No To Hattatsu** 1986 Jul;18(4):286–91 (Eng. Abstr.) (Jpn)

[Effect of ultraviolet radiation on the hematopoietic and immune systems. I. Generators of ultraviolet radiation, occupational exposure and the mechanism of biological action] Lisiewicz J, et al. **Przegl Lek** 1985;42(9):668–72 (Pol)

[Effect of ultraviolet radiation on the hematopoietic and immune systems. II. Histological changes in the skin, experimental studies in vitro and in vivo and PUVA therapy] Lisiewicz J, et al. **Przegl Lek** 1985;42(10):719–23 (Pol)

[Natural and UV-induced variability of the producer of telavimycin Streptomyces levoris, Krass, strain 243] Kandelaki ND, et al. **Antibiot Med Biotekhnol** 1985 Jul; 30(7):529–32 (Eng. Abstr.) (Rus)

[Effect of serotonin on the yield of UV-induced thymine dimers in DNA] Fraikin GIa, et al. **Biofizika** 1985 Jul–Aug; 30(4):564–7 (Eng. Abstr.) (Rus)

[Laser-induced covalent cross-links in DNA] Zavil'gel'skiĭ GB, et al. **Biofizika** 1985 Jul–Aug;30(4):568–70 (Eng. Abstr.) (Rus)

[Effect of serotonin on the yield of UV- and x ray-induced DNA damage] Ivanova EV, et al. **Biokhimiia** 1985 Aug; 50(8):1374–6 (Eng. Abstr.) (Rus)

[The role of histones H3 and H1 in the formation of thymine-lysine cross-links during UV-irradiation of deoxyribonucleoprotein] Kurochkina LP, et al. **Biokhimiia** 1985 Sep;50(9):1428–32 (Eng. Abstr.) (Rus)

[Therapeutic effect of the transfusion of UV-irradiated donor plasma in mechanical jaundice] Kolesova OE, et al. **Biull Eksp Biol Med** 1986 Mar;101(3):282–4 (Eng. Abstr.) (Rus)

[Participation of the pInt lambda 1 intmid in enhancing UV resistance and UV-induced mutagenesis in Escherichia coli: the integrative-replication mechanism of the process] Aleshkin GI, et al. **Dokl Akad Nauk SSSR** 1985; 283(4):1003–7 (Rus)

[The effect of pre-radiation history of Escherichia coli WP2 cells on the effectiveness of the antimutagenic process in the rpsL(strA) locus] Bridzhes BA, et al. **Dokl Akad Nauk SSSR** 1986;286(4):984–7 (Rus)

[The need for protein synthesis in UV-irradiated Escherichia coli cells for fixation of induced Str mutations] Filippov VD, et al. **Genetika** 1986 Apr;22(4):593–8 (Eng. Abstr.) (Rus)

[Effect of different doses of ultraviolet radiation on vitamin provision to the human body] Belakovskiĭ MS, et al. **Kosm Biol Aviakosm Med** 1986 Jan–Feb;20(1):56–61 (Eng. Abstr.) (Rus)

[Prospects for using ultraviolet radiation in protracted space flights] Panferova NE. **Kosm Biol Aviakosm Med** 1986 Jan–Feb;20(1):4–12 (54 ref.) (Eng. Abstr.) (Rus)

[Characteristics of mutagenesis and repair following UV irradiation in the methylotrophic bacterium Pseudomonas methanolica] Naumov GN, et al. **Mikrobiologiia** 1986 May–Jun;55(3):386–90 (Eng. Abstr.) (Rus)

[Selective method of isolating mutants sensitive to ultraviolet radiation from a culture of Rhodopseudomonas sphaeroides] Rodina NE, et al. **Mikrobiologiia** 1986 May–Jun;55(3):391–4 (Eng. Abstr.) (Rus)

[Principles of selective inactivation of the virus genome. IV. The effect of UV-irradiation of phage MS2 on its binding with anti-MS2-immunoglobulins] Budovskiĭ EI, et al. **Mol Biol (Mosk)** 1985 Sep–Oct;19(5):1216–22 (Eng. Abstr.) (Rus)

[Comparative characteristics of the effects of ultraviolet irradiation, blood serum and suppurative exudate from patients with purulent and septic diseases on the functional activity of bone marrow hematopoiesis] Levanovich VV, et al. **Pediatriia** 1986 Mar;(3):65–6 (Rus)

[Preferential formation of UV-induced DNA-protein crosslinks in the nuclear matrix of Ehrlich ascites carcinoma cells] Sirota NP, et al. **Radiobiologiia** 1986 Jan–Feb;26(1):52–5 (Eng. Abstr.) (Rus)

[Effect of UV irradiation on the mitotic cycle of Chinese hamster cells with varying UV sensitivity. II. The temporal relations in blocked cell division] Kirillova TV, et al. **Tsitologiia** 1985 Dec;27(12):1380–7 (Eng. Abstr.) (Rus)

[Effect of UV irradiation on the mitotic cycle of Chinese hamster cells with varying UV sensitivity. I. The time ratios after irradiation of the cells with UV light] Kirillova TV, et al. **Tsitologiia** 1985 Nov;27(11):1285–91 (Eng. Abstr.) (Rus)

[Molecular processes as a basis for plasmid-mediated UV resistance and mutagenesis of bacteria] Alwshkin GI, et al. **Vestn Akad Med Nauk SSSR** 1985;(10):31–8 (Eng. Abstr.) (Rus)

[New genetic information on deoxyribonucleic acid from the direct action of near ultraviolet light] Chapital-Blanno L, et al. **Rev Latinoam Microbiol** 1985 Jul–Sep;27(3):267–74 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

Changes in the rabbit corneal stroma caused by UV-radiation. Ringvold A, et al. **Acta Ophthalmol (Copenh)** 1985 Oct;63(5):601–6

The characterization of a black light device: a hazard evaluation process. Ellingson OL. **Am Ind Hyg Assoc J** 1986 Aug;47(8):488–90

The effect of prescription eyewear on ocular exposure to

ultraviolet radiation. Rosenthal FS, et al. **Am J Public Health** 1986 Oct;76(10):1216–20

Personal monitoring of exposure to ultraviolet radiation in the car manufacturing industry. Diffey BL, et al. **Ann Occup Hyg** 1986;30(2):163–70

DNA repair elicited by UVB during PUVA therapy for psoriasis. Bishop SC, et al. **Arch Dermatol Res** 1985; 278(1):25–30

Effects of exposure to ultraviolet light in a commercial solarium on Langerhans cells and melanocytes in human epidermis. Scheibner A, et al. **Australas J Dermatol** 1986 Apr;27(1):35–41

Photosensitive dermatitis with actinic reticuloid syndrome: an immunohistological study of the cutaneous infiltrate. Ralfkiaer E, et al. **Br J Dermatol** 1986 Jan;114(1):47–56

Transformation of human cells with cloned and genomic DNAs: towards an understanding of human skin cancers. Sutherland BM. **Carcinog Compr Surv** 1985;9:249–56

Ultraviolet and blue light induced damage to the Drosophila retina: microspectrophotometry and electrophysiology. Stark WS, et al. **Curr Eye Res** 1985 Oct;4(10):1059–75

Immunobiological consequences of acute and chronic UV exposure. Daynes RA, et al. **Curr Probl Dermatol** 1986; 15:176–94 (58 ref.)

Quantity, quality and mode of UV administration as denominators of photocarcinogenesis. Forbes PD, et al. **Curr Probl Dermatol** 1986;15:290–302

Ultraviolet erythema: causes and consequences. Greaves MW. **Curr Probl Dermatol** 1986;15:18–24

Sunscreens block the induction of unscheduled DNA synthesis and the inhibition of DNA synthesis by UV–B radiation in normal human fibroblasts. A new way of evaluating sunscreen efficacy in vitro. Arase S. **Derm Beruf Umwelt** 1985;33(6):209–12

The effect of ultraviolet radiation on humoral immune responses to T–dependent antigens. Alderson MR, et al. **Environ Res** 1986 Aug;40(2):321–31

Hypothesis: leprosy and the sun. Britton S. **Ethiop Med J** 1986 Jul;24(3):149–53

Wavelength dependency of cataracts in albino mice following chronic exposure. Jose JG, et al. **Exp Eye Res** 1985 Oct; 41(4):545–63

Artificial suntanning: spectral irradiance and hazard evaluation of ultraviolet sources. Gies HP, et al. **Health Phys** 1986 Jun;50(6):691–703

Double direction phototherapy and light–induced genetic abnormalities in human lymphocytes. Amato M, et al. **Helv Paediatr Acta** 1985 Sep;40(4):285–91

Actinic granuloma: the expanding significance. An analysis of its origin in elastotic ("aging") skin and a definition of necrobiotic (vascular), histiocytic, and sarcoid variants. Brien JP. **Int J Dermatol** 1985 Oct;24(8):473–90 (100 ref.)

Preventing actinic elastotic injury. The case of reducing exposure. O'Brien JP. **Int J Dermatol** 1985 Oct;24(8):505–6

Recovery from UV–induced potentially lethal damage in systemic lupus erythematosus skin fibroblasts. Zamansky GB. **Int J Radiat Biol** 1986 Aug;50(2):305–12

Physical factors in cataractogenesis: ambient ultraviolet radiation and temperature. Sliney DH. **Invest Ophthalmol Vis Sci** 1986 May;27(5):781–90

Circulating and in situ lymphocyte subsets and Langerhans cells in patients with compositae oleoresin dermatitis and increased ultraviolet A sensitivity during treatment with azathioprine. Baadsgaard O. **J Am Acad Dermatol** 1986 Apr;14(4):577–81

Immunology and photocarcinogenesis. New light on an old problem. Kripke ML. **J Am Acad Dermatol** 1986 Jan; 14(1):149–55 (35 ref.)

Pathogenesis of herpes simplex labialis: experimental induction of lesions with UV light. Spruance SL. **J Clin Microbiol** 1985 Sep;22(3):366–8

Lack of photoprotection against UVB–induced erythema by immediate pigmentation induced by 382 nm radiation. Black G, et al. **J Invest Dermatol** 1985 Nov;85(5):448–9

Immunochemistry of elastotic material in sun–damaged skin. Chen VL, et al. **J Invest Dermatol** 1986 Sep;87(3):334–7

UVA–induced erythema, pigmentation, and skin surface temperature changes are irradiance dependent. Kagetsu N, et al. **J Invest Dermatol** 1985 Nov;85(5):445–7

Additive effects of ultraviolet B and crude coal tar on cutaneous carcinogen metabolism: possible relevance to the tumorigenicity of the Goeckerman regimen. Mukhtar H, et al. **J Invest Dermatol** 1986 Sep;87(3):348–53

Characterization of cutaneous phototoxicity induced by topical alpha–terthienyl and ultraviolet A radiation. Rampone WM, et al. **J Invest Dermatol** 1986 Sep; 87(3):354–7

Photocarcinogenesis by near–ultraviolet (UVA) radiation in Sencar mice. Strickland PT. **J Invest Dermatol** 1986 Aug; 87(2):272–5

Sensitivity to ultraviolet radiation in a dominantly inherited form of xeroderma pigmentosum. Imray FP, et al. **J Med Genet** 1986 Feb;23(1):72–8

An exacerbation of SLE after visiting a tanning salon [letter] Stern RS, et al. **JAMA** 1986 Jun 13;255(22):3120

Induction of recurrent genital herpes simplex virus type 2 infection by ultraviolet light [letter] Klein KL, et al. **Lancet** 1986 Apr 5;1(8484):796–7

Ultraviolet and recurrent herpes [letter] Oates JK. **Lancet** 1986 May 10;1(8489):1094

Characterization of UV induced keratoacanthoma–like lesions in HRA/Skh–1 mice and their comparison with keratoacanthomas in man. Canfield PJ, et al. **Pathology** 1985 Oct;17(4):613–6

Failure of UVR dose reciprocity for skin tumorigenesis in hairless mice treated with 8–methoxypsoralen. Gibbs NK, et al. **Photochem Photobiol** 1985 Jul;42(1):39–42

Carotenoid dose level and protection against UV–B induced skin tumors. Mathews–Roth MM, et al. **Photochem Photobiol** 1985 Jul;42(1):35–8

In vitro evaluation of the photoprotective efficacy of sunscreens against DNA damage by UVB. Arase S, et al. **Photodermatol** 1986 Feb;3(1):56–9

The effect of ultraviolet radiation on the generation of plaque–forming cells and on T–suppressor cell activity to sheep erythrocytes. Funnell SG, et al. **Photodermatol** 1986 Apr;3(2):64–72

Effect of UVA and UVB irradiation on human epidermal Langerhans cell membrane markers defined by ATPase activity and monoclonal antibodies (OKT 6 and anti–Ia). Koulu L, et al. **Photodermatol** 1985 Dec;2(6):339–46

Ultraviolet radiation and chemical requirements for experimental contact photosensitivity. Ramsay CA, et al. **Photodermatol** 1986 Feb;3(1):41–5

Eicosanoids in skin UV inflammation. Søndergaard J, et al. **Photodermatol** 1985 Dec;2(6):359–66 (44 ref.)

Basement membranes in ultraviolet light–induced skin lesions and tumors. Stenbäck F, et al. **Photodermatol** 1985 Dec; 2(6):347–58

Occupational skin cancer. Four major carcinogens that put workers at risk. Travis LB, et al. **Postgrad Med** 1986 May 1;79(6):211–4, 217

Histological evidence for rescue of radiation dermatitis in an ultraviolet model system. Okuyama S, et al. **Tohoku J Exp Med** 1985 Oct;147(2):217–8

Mechanism for 6–methylcoumarin photoallergenicity. Kato S, et al. **Toxicol Appl Pharmacol** 1985 Nov;81(2):295–301

The effects of ultraviolet light on the eye. Absolon MJ. **Trans Ophthalmol Soc UK** 1985;104 (Pt 5):522–3

[Local protection against ultraviolet rays] Bousema MT, et al. **Ned Tijdschr Geneeskd** 1986 Jul 26;130(30):1351–4 (Dut)

[Nuclear antigen expression caused by ultraviolet irradiation—a contribution to UV–induced autoimmunity] Wollina U. **Dermatol Monatsschr** 1986;172(5):261–5 (Eng. Abstr.) (Ger)

[Effect of UVA on biosynthesis of melatonin in the retina] Cremer–Bartels G, et al. **Klin Monatsbl Augenheilkd** 1986 Apr;188(4):295–8 (Eng. Abstr.) (Ger)

[Pellagra—photo–induction of lesions by UVB irradiation] Kojima T, et al. **Nippon Hifuka Gakkai Zasshi** 1985 Aug; 95(9):949–53 (Jpn)

[Successful induction of hydroa vacciniforme lesions with monochromatic ultraviolet light] Kunieda M, et al. **Nippon Hifuka Gakkai Zasshi** 1985 Jul;95(8):893–9 (Jpn)

[Protection of xeroderma pigmentosum patients from solar ultraviolet radiation. Use of plastic films] Sato K, et al. **Nippon Hifuka Gakkai Zasshi** 1985 Aug;95(9):963–7 (Jpn)

[Biological criteria of the hygienic evaluation of ultraviolet radiation] Grzesik J, et al. **Pol Tyg Lek** 1985 Sep 16; 40(37):1048–53 (34 ref.) (Eng. Abstr.) (Pol)

[Combined action of carbophos, high temperature and ultraviolet radiation] Sapegin DI, et al. **Gig Sanit** 1986 Mar; (3):73–5 (Rus)

[Actinic porokeratosis] Kalamkarian AA, et al. **Vestn Dermatol Venerol** 1986;(5):6–7 (Rus)

DIAGNOSTIC USE

Cytologic detection of Pneumocystis carinii by ultraviolet light examination of Papanicolaou–stained sputum specimens [letter] Markowitz S, et al. **Acta Cytol (Baltimore)** 1986 Jan–Feb;30(1):79–80

Hypomelanosis of Ito. Wood's light and magnetic resonance imaging as diagnostic measures. Ardinger HH, et al. **Arch Neurol** 1986 Aug;43(8):848–50

Polymorphous light eruption: action spectrum and photoprotection. Ortel B, et al. **J Am Acad Dermatol** 1986 May;14(5 Pt 1):748–53

An inexpensive luminaire for diagnostic phototesting to UVB radiation. Diffey BL, et al. **Photodermatol** 1985 Aug; 2(4):260–2

ULTRAVIOLET THERAPY

see related

PHOTOCHEMOTHERAPY

Ultraviolet light therapy in chronic urticaria. Hannuksela M, et al. **Acta Derm Venereol (Stockh)** 1985;65(5):449–50

The influence of locally administered ultraviolet light (UVB) on the allergic contact dermatitis in the mouse. Sjövall P, et al. **Acta Derm Venereol (Stockh)** 1985;65(6):465–71

Treatment of chronic urticaria with PUVA or UVA plus placebo: a double–blind study. Olafsson JH, et al. **Arch Dermatol Res** 1986;278(3):228–31

Comparison of cold–quartz ultraviolet, low–energy laser, and occlusion in wound healing in a swine model. Basford JR, et al. **Arch Phys Med Rehabil** 1986 Mar;67(3):151–4

UV–B phototherapy for pityriasis lichenoides. Siew NT. **Australas J Dermatol** 1985 Apr;26(1):9–13

UVB phototherapy: principles, radiation sources, regimens. van der Leun JC, et al. **Curr Probl Dermatol** 1986;15:39–51

Macular amyloidosis: treatment with ultraviolet B. Hudson LD. **Cutis** 1986 Jul;38(1):61–2

Psoriasis treatment: faster clearance when UVB–dithranol is combined with topical clobetasol propionate. Lidbrink P, et al. **Dermatologica** 1986;172(3):164–8

Combined UVB and UVA phototherapy of atopic eczema. Midelfart K, et al. **Dermatologica** 1985;171(2):95–8

UVB maintenance phototherapy in psoriasis. Petrozzi JW. **Int J Dermatol** 1985 Nov;24(9):600–2

Effect of short–contact anthralin therapy on ultraviolet B irradiation of psoriasis. Boer J, et al. **J Am Acad Dermatol** 1986 Aug;15(2 Pt 1):198–204

Addition of short–contact anthralin therapy to an ultraviolet B phototherapy regimen: assessment of efficacy. Lebwohl M, et al. **J Am Acad Dermatol** 1985 Nov;13(5 Pt 1):780–4

Contribution of topical tar oil to ultraviolet B phototherapy for psoriasis. Stern RS, et al. **J Am Acad Dermatol** 1986 May;14(5 Pt 1):742–7

UV–light therapies in atopic dermatitis. Falk ES. **Photodermatol** 1985 Aug;2(4):241–6

Immunological aspects of prophylactic UVB and PUVA therapy in polymorphic light eruption. Horkay I, et al. **Photodermatol** 1986 Feb;3(1):47–9

UVB doses in maintenance psoriasis phototherapy versus solar UVB exposure. Schothorst AA, et al. **Photodermatol** 1985 Aug;2(4):213–20

Choosing the proper filter/detector combination for the measurement of UVA and UVB radiation from various light sources. Wulf HC, et al. **Photodermatol** 1985 Aug; 2(4):264–71

Treatment of psoriasis. Results achieved by the Johannesburg Hospital Psoriasis Clinic. Sher MA, et al. **S Afr Med J** 1986 Jan 4;69(1):23–6

[Psoriasis and sodium chloride] Wanjura HJ. **Derm Beruf Umwelt** 1986 Mar–Apr;34(2):41–2 (Eng. Abstr.) (Ger)

[Acute febrile neutrophilic dermatosis (Sweet syndrome). Phototherapy of persistent, postlesional erythemas] Mayerhausen W, et al. **Z Hautkr** 1986 Feb 15;61(4):205–13 (Eng. Abstr.) (Ger)

[Effectiveness of supplementary vitaminization and ultraviolet irradiation of female workers in a sewing shop] Garas'ko EV, et al. **Gig Sanit** 1985 Aug;(8):83–4 (Rus)

[Pathogenetic aspects of using ultraviolet irradiation of the blood in peritonitis in children] Levanovich VV, et al. **Klin Khir** 1986;(6):13–5 (Eng. Abstr.) (Rus)

[Effect of autologous transfusion of UV–irradiated blood on nonspecific resistance in patients with acute appendicitis] Potashov LV, et al. **Klin Khir** 1986;(4):16–9 (Rus)

[Ultraviolet irradiation of autologous blood in stomach ulcer] Baranovskii AIu. **Sov Med** 1986;(2):94–6 (Rus)

[Selective phototherapy of itching dermatoses] Vaisov ASh, et al. **Vestn Dermatol Venerol** 1985 Oct;(10):49–51 (Eng. Abstr.) (Rus)

[Use of photo–modified blood in surgical practice] Dvaladze NA, et al. **Vestn Khir** 1986 Feb;136(2):131–4 (Rus)

[UV irradiation of autologous blood in the combined treatment of lymphedema of the lower extremities] Potashov LV, et al. **Vestn Khir** 1985 Dec;135(12):104–6 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Potential hazards in phototherapy with ultraviolet radiation arising from variation in dose required to produce erythema. Armstrong RB, et al. **J Am Acad Dermatol** 1985 Nov;13(5 Pt 1):772–7

INSTRUMENTATION

The spectral emissions from ultraviolet radiation lamps used in dermatology. Diffey BL. **Photodermatol** 1986 Jun; 3(3):179–85

Phototherapy and photochemotherapy ultraviolet irradiation equipment. Mountford PJ. **Photodermatol** 1986 Apr; 3(2):83–91 (25 ref.)

[Phototherapy of acne vulgaris with the UVA irradiation instrument TBG 400] Meffert H, et al. **Dermatol Monatsschr** 1986;172(2):105–6 (Ger)

[Phototherapy of acne vulgaris with the "TuR" UV 10 body section irradiation unit] Meffert H, et al. **Dermatol Monatsschr** 1986;172(1):9–13 (Eng. Abstr.) (Ger)

[Therapy of psoriasis with combined UVA/UVB irradiation. Trial with a specific high intensity phototherapy (SHIP) with metal halogenide radiation instruments] Schaarschmidt H, et al. **Dermatol Monatsschr** 1985; 171(10):617–23 (Eng. Abstr.) (Ger)

[Suitability of the metal halogenide radiation source NS 1000–76 for SUP therapy] Schaarschmidt H, et al. **Dermatol Monatsschr** 1985;171(11):737–8 (Ger)

[A dosimeter for the fluorescent radiation instrument UVS 40–2] Standke R, et al. **Dermatol Monatsschr** 1986; 172(6):337–9 (Ger)

[Dermatitis solaris in newborn infants following phototherapy with a halogenide radiation unit] Eggert P, et al. **Monatsschr Kinderheilkd** 1986 Feb;134(2):105–6 (Eng. Abstr.) (Ger)

[Apparatus for the ultraviolet irradiation of the blood] Monastyrskii NS, et al. **Voen Med Zh** 1985 Nov;(11):64–5 (Rus)

METHODS

Addition of a topically applied corticosteroid to a modified Goeckerman regimen for treatment of psoriasis: effect on

duration of remission. Horwitz SN, et al.
J Am Acad Dermatol 1985 Nov;13(5 Pt 1):784–91
[Development of direct phototherapy of psoriasis with reference to overlapping different relative action spectra] Amlong UJ, et al. **Dermatol Monatsschr** 1986;172(6):325–8 (Eng. Abstr.) (Ger)
[Ultraviolet in dermatology: spectra—instruments—possibilities] Breit R. **Hautarzt** 1985 Sep;36(9):496–503 (Eng. Abstr.) (Ger)
[A new UV-B irradiation unit. Experiences with psoriasis vulgaris with low dosage UV-B irradiation and local cignoline use] Galosi A, et al. **Z Hautkr** 1985 Dec 15; 60(24):1929–30, 1935–6, 1939 (Eng. Abstr.) (Ger)
[Modification of skin sensitivity to selective UV-B (SUP) by water baths and various saline solutions—effect of various concentrations, duration of effect] Haas PJ.
Z Hautkr 1985 Dec 15;60(24):1953–8 (Eng. Abstr.) (Ger)
[Quantum hemotherapy in late stages of chronic arterial insufficiency of the limbs] Petukhov EB, et al.
Klin Khir 1985;(7):43–5 (Eng. Abstr.) (Rus)
[A flow-through method of ultraviolet irradiation of the blood in the complex treatment of patients with suppurative and inflammatory complications and renal insufficiency] Sazonov AM, et al. **Sov Med** 1986;(3):37–42 (Eng. Abstr.) (Rus)
[Clinical efficacy of selective phototherapy of psoriasis patients] Rusak IuE, et al. **Vestn Dermatol Venerol** 1985 Nov;(11):48–9 (Eng. Abstr.) (Rus)
[Experience with the autotransfusion of ultraviolet-irradiated blood in ophthalmology] Indelkin EN, et al.
Vestn Oftalmol 1985 Jul–Aug;101(4):61–2 (Eng. Abstr.) (Rus)

VETERINARY

[Effect of ultraviolet-irradiated autologous blood on the biochemical indices of sheep with a Corynebacterium infection] Filipov Zh, et al. **Vet Med Nauki** 1985; 22(8):79–86 (Eng. Abstr.) (Bul)

UMBELLIFERONES

A spectrofluorimetric assay of calmodulin-dependent protein phosphatase using 4-methylumbelliferyl phosphate. Anthony FA, et al. **Anal Biochem** 1986 May 15; 155(1):103–7
Characteristics of fluoroprobes for measuring intracellular pH. Graber ML, et al. **Anal Biochem** 1986 Jul;156(1):202–12

ADVERSE EFFECTS

[Coumarin necrosis (letter)] Clavero C, et al.
Med Clin (Barc) 1985 Nov 16;85(16):687 (Spa)

ANALYSIS

Glucosylceramidase from calf spleen. Characterization of its active site with 4-n-alkylumbelliferyl beta-glucosides and N-alkyl derivatives of 1-deoxynojirimycin. Legler G, et al. **Biol Chem Hoppe Seyler** 1985 Dec;366(12):1113–22
High-performance liquid chromatography with fluorimetric detection in biological tissues of the 4-bromomethyl-7-methoxycoumarin ester derivative of 5-pyrrolidone-2-carboxylic acid. Bousquet E, et al.
J Chromatogr 1985 Nov 8;344:325–31
Studies on the NMR spectroscopic properties of gelsemine—revisions and refinements. Schun Y, et al.
J Nat Prod 1985 Nov–Dec;48(6):969–71
beta-D-galactosidase activity in streptococci of serological group B. Lämmler C, et al.
Zentralbl Bakteriol Mikrobiol Hyg [A] 1986 Apr; 261(2):167–9

DIAGNOSTIC USE

Prenatal diagnosis of GM2 gangliosidoses using a fluorogenic sulfated substrate. Inui K, et al. **Clin Chim Acta** 1986 Jan 30;154(2):145–50
Measurement of active phagocytosis by polymorphonuclear leukocytes by fluorescence liberation from phagocytized microspheres. Suzuki K, et al. **J Leukocyte Biol** 1986 May; 39(5):475–88
[Isolation of modification-restriction enzymes HpaI and HpaII] Bogdarina IG, et al. **Biokhimiia** 1985 Oct; 50(10):1659–64 (Eng. Abstr.) (Rus)

METABOLISM

7-Ethoxycoumarin O-deethylation and methylumbelliferone conjugation in isolated fetal and adult bovine hepatocytes. Soulinna EM, et al. **Drug Metab Dispos** 1985 Nov–Dec; 13(6):722–4
Pharmacokinetic study of 4-methylumbelliferone in rats: influence of dose on its first-pass hepatic elimination. Morita K, et al. **J Pharmacobiodyn** 1986 Feb;9(2):117–24
Hydrolysis of organic sulfates in periportal and pericentral regions of the liver lobule: studies with 4-methylumbelliferyl sulfate in the perfused rat liver. Anundi IM, et al. **Mol Pharmacol** 1986 Jun;29(6):599–605

PHARMACODYNAMICS

Liberation of prostaglandin-like substances from the isolated coronary artery in presence of angiotensin and of 4-methylesculetin. Bettini V, et al.
Acta Vitaminol Enzymol 1985;7(3–4):257–67
Altered glycosaminoglycan production by HL-60 cells treated with 4-methylumbelliferyl-beta-D-xyloside.
Luikart SD, et al. **Blood** 1985 Oct;66(4):866–72
[Facilitation of the onset of tetanic responses induced by 4-methylesculetol in amphibian isolated neuromuscular preparations] Aragno R, et al. **Acta Vitaminol Enzymol** 1985;7(3–4):249–55 (Eng. Abstr.) (Ita)
[Contraction of the isolated stomach of the rat as a result of stimulation of postganglionic fibers in the presence of 4-methylesculetol] Aragno R, et al.
Acta Vitaminol Enzymol 1985;7(3–4):239–48 (Eng. Abstr.) (Ita)
[Effect of imecromone and hyoscin-N-butylbromide in endoscopic cholangiopancreatography] Garbarini A, et al. **Minerva Chir** 1986 Jan 31;41(1–2):45–50 (Eng. Abstr.) (Ita)

UMBILICAL ARTERIES

Rapid estimation of insertional length of umbilical catheters in newborns. Shukla H, et al. **Am J Dis Child** 1986 Aug; 140(8):786–8
The relation of pregnancy associated plasma protein A (PAPP-A) in the umbilical circulation of the human fetus to oestriol production by the placenta. Grudzinskas JG, et al. **Asia Oceania J Obstet Gynaecol** 1985 Sep;11(3):425–8
Gangrene of the buttock: a devastating complication of the infusion of hyperosmolar solutions in the umbilical artery at birth. De Curtis M, et al. **Eur J Pediatr** 1985 Sep; 144(3):261–2
Continuous versus intermittent heparin infusion of umbilical artery catheters in the newborn infant. Bosque E, et al.
J Pediatr 1986 Jan;108(1):141–3
Aorto-iliac aneurysms following umbilical artery catheterization. Drucker DE, et al. **J Pediatr Surg** 1986 Aug;21(8):725–30
Management of aortic thrombosis secondary to umbilical artery catheters in neonates. Krueger TC, et al.
J Pediatr Surg 1985 Aug;20(4):328–32
Massive gastric hemorrhage in a neonate. Diagnosis and control by umbilical artery catheterization and intra-arterial vasopressin infusion. Goldman ML, et al.
JAMA 1985 Dec 6;254(21):3061–2
Bladder injury and uroascites from umbilical artery catheterization. Dmochowski RR, et al. **Pediatrics** 1986 Mar;77(3):421–2
Mycotic aneurysm of the thoracic aorta as a late complication of umbilical artery catheterization. A case report. Saabye J, et al. **Scand J Thorac Cardiovasc Surg** 1986;20(2):179–82
[Mycotic aneurysm of the thoracic aorta as a late complication of umbilical artery catheterization] Saabye J, et al. **Ugeskr Laeger** 1986 Apr 28;148(18):1092–3 (Eng. Abstr.) (Dan)
[Echographic thickening of the gallbladder wall in a child. Adverse effects of umbilical catheterization (letter)] Belloir A, et al. **Presse Med** 1984 Mar 10;13(10):623–4 (Fre)
[Mycotic aneurysm after catheterization of the umbilical artery] Dubos JP, et al. **Presse Med** 1986 May 10; 15(19):876–8 (Eng. Abstr.) (Fre)
[Ultrasound study of blood flow velocity in the umbilical artery] Pál A, et al. **Zentralbl Gynakol** 1986;108(12):724–9 (Eng. Abstr.) (Ger)
[Prophylactic use of antibiotics in umbilical catheterization in newborn infants] Pulido N, et al. **Rev Chil Pediatr** 1985 Jul–Aug;56(4):247–9 (Eng. Abstr.) (Spa)

ABNORMALITIES

Single umbilical artery and other congenital defects in a calf. Stein FJ, et al. **Anat Anz** 1985;159(1–5):369–72
Persistent sciatic artery: a case report. Rubinstein ZJ, et al. **Cardiovasc Intervent Radiol** 1985;8(4):199–201
A case of single umbilical artery with various fetal anomalies: correlations between prenatal ultrasonographic diagnosis and autopsy. Hata T, et al. **Int J Gynaecol Obstet** 1986 Feb;24(1):75–80
Absence of Wharton's jelly around the umbilical arteries: an unusual cause of perinatal mortality. Labarrere C, et al. **Placenta** 1985 Nov–Dec;6(6):555–9
[Bilateral lower ureteral obstruction caused by aberrant blood vessels (umbilical ligament): a case report] Yamamoto Y, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Jan; 77(1):145–50 (Eng. Abstr.) (Jpn)

ANATOMY & HISTOLOGY

[Sequence of vascular closing mechanisms beginning post partum] Ďurčanský D, et al. **Cesk Patol** 1985 Aug; 21(3):155–9 (Eng. Abstr.) (Slo)

DRUG EFFECTS

In vitro perfusion studies on human umbilical arteries. I. Vasoactive effects of serotonin, PGF2 alpha and PGE2. Bjøro K, et al. **Acta Obstet Gynecol Scand** 1986;65(4):351–5
Effects of vasoactive autacoids on different segments of human umbilicoplacental vessels. Bjøro K, et al.
Gynecol Obstet Invest 1986;22(1):1–6
Effect of ethanol on human umbilical artery and vein in vitro. Yang HY, et al. **Gynecol Obstet Invest** 1986;21(3):131–5
Effect of porcine relaxin on the human umbilical artery. Dombrowski MP, et al. **J Reprod Med** 1986 Jun; 31(6):467–72
Effects of angiotensin I and II and their interactions with some prostanoids in perfused human umbilical arteries. Bjøro K Jr. **Prostaglandins** 1985 Dec;30(6):989–98

INJURIES

Neonatal umbilical artery pseudoaneurysm: sonographic evaluation (case report). Katz ME, et al. **AJR** 1986 Aug; 147(2):322–4

METABOLISM

Formation of prostanoids in human umbilical vessels perfused in vitro. Bjøro K, et al. **Prostaglandins** 1986 Apr; 31(4):683–98
Prostacyclin and thromboxane formation in human umbilical arteries following stimulation with vasoactive autacoids. Bjøro K. **Prostaglandins** 1986 Apr;31(4):699–714
Effects of aspirin and alcohol on platelet thromboxane synthesis and vascular prostacyclin synthesis. James MJ, et al. **Thromb Res** 1985 Sep 1;39(5):587–93

PHYSIOLOGY

Umbilical waveforms in twin pregnancy. Giles WB, et al.
Acta Genet Med Gemellol (Roma) 1985;34(3–4):233–7
The effect of maternal consumption of alcohol on human umbilical artery blood flow. Erskine RL, et al.
Am J Obstet Gynecol 1986 Feb;154(2):318–21
Surveillance of twin pregnancy with umbilical arterial velocimetry. Farmakides G, et al. **Am J Obstet Gynecol** 1985 Dec 1;153(7):789–92
A microcomputer-based real-time system for measurement and analysis of umbilical flow velocity waveforms obtained by Doppler ultrasound. Saini VD, et al.
Am J Perinatol 1986 Jan;3(1):74–6
Effect of selective occlusion of the umbilical arteries and/or veins on uterine blood flow in sheep. Hasaart TH, et al.
Eur J Obstet Gynecol Reprod Biol 1986 Jan;21(1):53–60
Feto-placental circulatory competence. Reuwer PJ, et al.
Eur J Obstet Gynecol Reprod Biol 1986 Jan;21(1):15–26
Umbilical catheters and arterial blood pressure monitoring. Goodwin SR, et al. **J Clin Monit** 1985 Oct;1(4):227–31

PHYSIOPATHOLOGY

Differential response of ovine placental lactogen levels in maternal and fetal circulations following single umbilical artery ligation in fetal sheep. Newnham JP, et al.
Placenta 1986 Jan–Feb;7(1):51–64

TRANSPLANTATION

[Human umbilical artery as a substitute for the infra-renal aorta in the rat] Chevalier JM, et al. **Union Med Can** 1986 Jul;115(7):473–8 (Eng. Abstr.) (Fre)

ULTRASTRUCTURE

Ultrastructure of human umbilical artery and vein. Characterization and quantification of lipid laden cells. Takagi T, et al. **Acta Pathol Jpn** 1985 Sep;35(5):1047–55
Ultrastructure of human umbilical vessels: a possible role in amniotic fluid formation? Gebrane-Younes J, et al.
Placenta 1986 Mar–Apr;7(2):173–85
[Structure and function of the fetal umbilical vessels] Hoang-Ngoc Minh, et al.
J Gynecol Obstet Biol Reprod (Paris) 1985;14(8):973–9 (Eng. Abstr.) (Fre)

UMBILICAL CORD

Predisposing and risk factors of umbilical cord prolapse. Ylä-Outinen A, et al. **Acta Obstet Gynecol Scand** 1985; 64(7):567–70
Intrapartum ultrasound diagnosis of nuchal cord as a decisive factor in management. Feinstein SJ, et al.
Am J Obstet Gynecol 1985 Oct 1;153(3):308–9
Intrauterine fetal death due to umbilical cord torsion. Glanfield PA, et al. **Arch Pathol Lab Med** 1986 Apr; 110(4):357–8
Monoamniotic twin pregnancy. Griffith HB.
Br J Clin Pract 1986 Jul;40(7):294–7
Triple antibiotic spray application to umbilical cords. Elias-Jones AC. **Early Hum Dev** 1986 Jun;13(3):299–302
Umbilical cord teratoma [letter] Driscoll SG. **Hum Pathol** 1985 Nov;16(11):1178
Prolapse of the umbilical cord: a three-year review at Siriraj Hospital. Vijatrasil S, et al. **J Med Assoc Thai** 1986 May; 69(5):273–8
Time of umbilical cord separation [letter] Oudesluys-Murphy AM, et al. **J Pediatr** 1986 Feb;108(2):334
Localized deposition of Wharton's jelly: sonographic findings. Ramanathan K, et al. **J Ultrasound Med** 1986 Jun; 5(6):339–40
Tetanus neonatorum in babies delivered by traditional birth attendants in Medan, Indonesia. Hamid ED, et al.
Paediatr Indones 1985 Sep–Oct;25(9–10):167–74
[Preliminary investigation on the ultrasonic diagnosis of the umbilical cord twined about the neck of the fetus (analysis of 18 cases)] Lian HJ.
Chung Hua Fang She Hsueh Tsa Chih 1986 Feb;20(1):33–4 (Eng. Abstr.) (Chi)
[An umbilical cord complication in a twin pregnancy with an a cardiac anencephalic monster] Kjølhede PK, et al.
Ugeskr Laeger 1986 May 12;148(20):1214–5 (Eng. Abstr.)

(Dan)

[Amniotic bands and the umbilical cord] van Vugt PJ. **Ned Tijdschr Geneeskd** 1985 Oct 12;129(41):1961–5 (Eng. Abstr.) (Dut)

[Syndrome of the absent umbilical cord in ultrasound] Goldhofer W, et al. **Z Geburtshilfe Perinatol** 1985 Sep–Oct; 189(5):241–3 (Eng. Abstr.) (Ger)

[Antepartal CTG in sixfold umbilical cord encirclement and placental insufficiency—a case report] Klug PW. **Z Geburtshilfe Perinatol** 1985 Jul–Aug;189(4):192–5 (Eng. Abstr.) (Ger)

[An unusual course of peritonitis originating in the umbilicus in a newborn infant] Szostek J, et al. **Wiad Lek** 1986 Feb 15;39(4):269–70 (Eng. Abstr.) (Pol)

ANATOMY & HISTOLOGY

The length of the human umbilical cord in vertex and breech presentations. Soernes T, et al. **Am J Obstet Gynecol** 1986 May;154(5):1086–7

Prognostic significance of short umbilical cord [letter] Goldstein DA. **J Pediatr** 1986 Feb;108(2):332–3

BLOOD SUPPLY

Use of fetal scalp hematocrit in the diagnosis of severe hemorrhage from vasa previa. Silva PD, et al. **Am J Obstet Gynecol** 1985 Oct 1;153(3):307–8

Metabolic and circulatory studies of fetal lamb at midgestation. Bell AW, et al. **Am J Physiol** 1986 May;250(5 Pt 1):E538–44

Effect of restriction of placental growth on umbilical and uterine blood flows. Owens JA, et al. **Am J Physiol** 1986 Mar;250(3 Pt 2):R427–34

[Vasa previa] Madsen LG, et al. **Ugeskr Laeger** 1986 Jun 9;148(24):1475–6 (Eng. Abstr.) (Dan)

METABOLISM

The relationship of umbilical glucose uptake to uterine blood flow. Wilkening RB, et al. **J Dev Physiol** 1985 Oct; 7(5):313–9

MICROBIOLOGY

Direct sibling contact and bacterial colonization in newborns. Kowba MD, et al. **J Obstet Gynecol Neonatal Nurs** 1985 Sep–Oct;14(5):412–7

Comparative efficiency of chlorhexidine and ethanol in umbilical cord care. Belfrage E, et al. **Scand J Infect Dis** 1985;17(4):413–20

[The effects of boric acid and chlorhexidine on bacterial flora of the umbilical stump in newborn infants. Comparative analysis] Nikolajsen IL. **Ugeskr Laeger** 1986 Jun 23; 148(26):1604–5 (Eng. Abstr.) (Dan)

PATHOLOGY

Isolated well-formed intestinal tissue in the umbilical cord. A variant of cyst of omphalomesenteric duct. Iwasaki I, et al. **Acta Pathol Jpn** 1986 Apr;36(4):565–9

Maternal hemorrhage into the amniotic sac producing an apparent umbilical cord mass on sonogram. Witter FR, et al. **Am J Obstet Gynecol** 1986 Sep;155(3):649–51

Umbilical cord lesions [letter] Heifetz SA. **Hum Pathol** 1986 Apr;17(4):429–30

Hematoma of the umbilical cord with acute antepartum fetal distress. A case report. Feldberg D, et al. **J Reprod Med** 1986 Jan;31(1):65–6

Umbilical cord stricture associated with intrauterine fetal demise. A report of two cases. Kiley KC, et al. **J Reprod Med** 1986 Feb;31(2):154–6

Ultrasonographic and pathologic study of mucoid degeneration of umbilical cord. Iaccarino M, et al. **JCU** 1986 Feb;14(2):127–9

PHYSIOLOGY

Fetal O2 consumption in sheep during controlled long-term reductions in umbilical blood flow. Anderson DF, et al. **Am J Physiol** 1986 Jun;250(6 Pt 2):H1037–42

UMBILICAL CORD BLOOD see **FETAL BLOOD**

UMBILICAL CYST see **URACHAL CYST**

UMBILICAL HERNIA see **HERNIA, UMBILICAL**

UMBILICAL VEINS

Rapid estimation of insertional length of umbilical catheters in newborns. Shukla H, et al. **Am J Dis Child** 1986 Aug; 140(8):786–8

Fetomaternal hemorrhage associated with umbilical vein thrombosis. Case report. Hoag RW. **Am J Obstet Gynecol** 1986 Jun;154(6):1271–4

The relation of pregnancy associated plasma protein A (PAPP-A) in the umbilical circulation of the human fetus to oestriol production by the placenta. Grudzinskas JG, et al. **Asia Oceania J Obstet Gynaecol** 1985 Sep;11(3):425–8

Rupture of a periumbilical vein causing hemoperitoneum in a cirrhotic patient. Paizis B, et al. **Mt Sinai J Med (NY)** 1986 Feb;53(2):123–5

Nonthrombogenic small-caliber human umbilical vein vascular prosthesis. Venkataramani ES, et al. **Surgery** 1986 Jun;99(6):735–43

[Clinical evaluation of the utilization of the umbilical vein in the diagnosis of portal hypertension and parenteral therapy] Domański A. **Ann Acad Med Stetin** 1985;31:67–83 (Eng. Abstr.) (Pol)

[Medusa-head—an unusual condition in a newborn infant] Appleby G. **Lakartidningen** 1986 May 14;83(20):1874 (Swe)

ABNORMALITIES

Persistent right umbilical vein—case report and review of literature. Bell AD, et al. **Int J Cardiol** 1986 Feb; 10(2):167–76

ANALYSIS

Structural and immunological differences between human platelet and endothelial thrombospondins. Clezardin P, et al. **FEBS Lett** 1986 Feb 3;196(1):49–53

Decay-accelerating factor is present on cultured human umbilical vein endothelial cells. Asch AS, et al. **J Exp Med** 1986 Jan 1;163(1):221–6

ANATOMY & HISTOLOGY

Antenatal measurement of fetal umbilical venous flow by pulsed Doppler and B-mode ultrasonography. Chen HY, et al. **J Ultrasound Med** 1986 Jun;5(6):319–21

[Sequence of vascular closing mechanisms beginning post partum] Durčanský D, et al. **Cesk Patol** 1985 Aug; 21(3):155–9 (Eng. Abstr.) (Slo)

CYTOLOGY

Effects of postprandial plasma and chylomicrons on endothelial cells. Differences between dietary cream and cod liver oil. Aviram M, et al. **Acta Med Scand** 1986; 219(4):341–8

Increased retraction of fibrin clots by endothelial cells of infants of diabetic mothers. Nappi C, et al. **Biol Res Pregnancy Perinatol** 1985;6(3):141–2

Separation of human endothelial cells from fibroblasts by centrifugation in Percoll gradients. Sbarbati R. **Biosci Rep** 1985 Jun;5(6):469–72

Diabetic serum stimulates the proliferation of endothelial cells in culture. Koh MS, et al. **Diabetes Res** 1985 Nov; 2(6):287–9

Differences in reactivity of confluent and nonconfluent cultures of human endothelial cells toward thrombin-stimulated platelets or heparinized salt solution. Solberg S, et al. **In Vitro Cell Dev Biol** 1985 Nov; 21(11):612–6

The turnover of thrombin-thrombomodulin complex in cultured human umbilical vein endothelial cells and A549 lung cancer cells. Endocytosis and degradation of thrombin. Maruyama I, et al. **J Biol Chem** 1985 Dec 15; 260(29):15432–8

Endothelial plasma membrane is a glucocorticoid-regulated barrier for the uptake of glucose into the cell. Olgemöller B, et al. **Mol Cell Endocrinol** 1985 Dec;43(2–3):165–71

Gender differences in prostacyclin and prostaglandin E2 synthesis by human endothelial cells. Batres RO, et al. **Prostaglandins Leukotrienes Med** 1986 May;22(2):159–71

Mitogen-induced disorganization of capillary-like structures formed by human large vessel endothelial cells in vitro. Allikmets EYu, et al. **Tissue Cell** 1986;18(4):481–9

DRUG EFFECTS

Oxidized low density lipoprotein can reduce the pinocytic activity in cultured human endothelial cells as measured by cellular uptake of [14C]sucrose. Børsum T, et al. **Atherosclerosis** 1985 Dec;58(1–3):81–96

Effects of vasoactive autacoids on different segments of human umbilicoplacental vessels. Bjøro K, et al. **Gynecol Obstet Invest** 1986;22(1):1–6

Effect of ethanol on human umbilical artery and vein in vitro. Yang HY, et al. **Gynecol Obstet Invest** 1986;21(3):131–5

Arachidonic acid and isolated human umbilical vein: concentration-limited prostacyclin generation and absence of direct toxic effects on endothelial integrity. Mehta P, et al. **Prostaglandins Leukotrienes Med** 1985 Aug; 19(2):187–92

[Ultrastructural changes in the wall of the umbilical vein of rats exposed to progesterone] Khristova M. **Akush Ginekol (Sofiia)** 1986;25(1):52–9 (Eng. Abstr.) (Bul)

IMMUNOLOGY

Immunocytochemical localization of factor VIII-related antigen in the human umbilical vein. Kagawa H, et al. **Sangyo Ika Daigaku Zasshi** 1985 Dec 1;7(4):365–72

METABOLISM

Expression of factor V on human umbilical vein endothelial cells is modulated by cell injury. Annamalai AE, et al. **Arteriosclerosis** 1986 Mar–Apr;6(2):196–202

The role of thrombin in the regulation of the endothelial prostaglandin production. de Groot PG, et al. **Biochim Biophys Acta** 1985 Sep 30;846(3):342–9

Characterization of thromboxane A2 receptors in the human fetal placental vessels and umbilical vein. Boura AL, et al. **Clin Exp Pharmacol Physiol** 1986 Jan;13(1):83–6

Influence of glucose, insulin and sera from diabetic patients on the prostacyclin synthesis in vitro in cultured human endothelial cells. Aanderud S, et al. **Diabetologia** 1985 Sep; 28(9):641–4

Thrombin-induced vimentin phosphorylation in cultured human umbilical vein endothelial cells. Bormann BJ, et al. **J Biol Chem** 1986 Aug 15;261(23):10471–4

Initial glycosylation and acidic pH in the Golgi apparatus are required for multimerization of von Willebrand factor. Wagner DD, et al. **J Cell Biol** 1986 Apr;102(4):1320–4

Superoxide anion release by human endothelial cells: synergism between a phorbol ester and a calcium ionophore. Matsubara T, et al. **J Cell Physiol** 1986 May; 127(2):207–10

Formation of prostanoids in human umbilical vessels perfused in vitro. Bjøro K, et al. **Prostaglandins** 1986 Apr; 31(4):683–98

Modulation of arachidonic acid metabolism in human endothelial cells by glucocorticoids. De Caterina R, et al. **Thromb Haemost** 1986 Jun 30;55(3):369–74

PATHOLOGY

Pathologic features of surgically excised human umbilical vein grafts. Guidoin R, et al. **J Vasc Surg** 1986 Jan; 3(1):146–54

[Thrombosis of the umbilical vein in the ultrasound image—pathological findings and review of the literature] Bonilla-Musoles F, et al. **Ultraschall Med** 1985 Dec; 6(6):346–50 (Eng. Abstr.) (Ger)

[Thrombosis of the umbilical vein] Dieminger HJ, et al. **Zentralbl Gynakol** 1986;108(12):765–9 (Eng. Abstr.) (Ger)

PHYSIOLOGY

Sonographic patent umbilical vein: lack of specificity for portal hypertension. Salmi A, et al. **Am J Gastroenterol** 1986 Jul;81(7):556–8

Correlation between umbilical vein blood flow and umbilical blood viscosity in normal and complicated pregnancies. Jouppila P, et al. **Arch Gynecol** 1986;237(4):191–7

Effect of selective occlusion of the umbilical arteries and/or veins on uterine blood flow in sheep. Hasaart TH, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Jan;21(1):53–60

Effects of fetal breathing movements on umbilical venous blood flow in fetal lambs. Hasaart TH, et al. **Eur J Obstet Gynecol Reprod Biol** 1985 Aug;20(2):121–9

Phasic blood flow patterns in the common umbilical vein of fetal sheep during umbilical cord occlusion and the influence of autonomic nervous system blockade. Hasaart TH, et al. **J Perinat Med** 1986;14(1):19–26

Endothelial cells produce a lipoxygenase derived chemo-repellent which influences platelet/endothelial cell interactions—effect of aspirin and salicylate. Buchanan MR, et al. **Thromb Haemost** 1985 Jun 24;53(3):306–11

[Combined B image Doppler sonography—measurements in the in vitro model and in fetal vessels] Kaesemann H, et al. **Z Geburtshilfe Perinatol** 1986 Feb–Mar;190(1):43–8 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

Patent umbilical vein and endoscopic sclerosis of esophageal varices [letter] Salmi A, et al. **Gastrointest Endosc** 1986 Feb;32(1):56–7

SECRETION

The use of human endothelial cells cultured in flat wells and on microcarrier beads to assess tissue plasminogen activator and factor VIII related antigen release. McArthur MM, et al. **Thromb Res** 1986 Feb 15;41(4):581–7

SURGERY

The fate of human umbilical vein grafts as an infrarenal aortic substitute in monkeys [letter] Dardik H. **J Vasc Surg** 1986 Apr;3(4):679

TRANSPLANTATION

Early and late comparison of umbilical vein and PTFE grafts in control and piroxicam-treated dogs. Solis E, et al. **Int Angiol** 1986 Apr–Jun;5(2):73–8

Mural degeneration in the glutaraldehyde-tanned umbilical vein graft: incidence and implications. Hasson JE, et al. **J Vasc Surg** 1986 Sep;4(3):243–50

Composite femorocrural bypass using a small caliber autogenous vein cuff and an umbilical vein graft. Buth J, et al. **Surg Gynecol Obstet** 1986 Aug;163(2):178–80

The use of falciform ligament in the repair of hepatic injuries. Fischer RP, et al. **Surg Gynecol Obstet** 1985 Oct; 161(4):383–4

Below-knee reconstructions with the human umbilical veins—three-year results. Largiadèr J. **Thorac Cardiovasc Surg** 1985 Dec;33(6):377–381

[Morphology of a neonatal umbilical vein graft under prolonged experimental conditions] Keem RI, et al. **Biull Eksp Biol Med** 1985 Oct;100(10):485–9 (Eng. Abstr.) (Rus)

[A modified method of preparing bioprostheses of different designations using the human umbilical cord vein] Andreev ID, et al. **Khirurgiia (Mosk)** 1985 Jun;(6):68–73 (Eng. Abstr.) (Rus)

ULTRASTRUCTURE

Ultrastructure of human umbilical artery and vein. Characterization and quantification of lipid laden cells. Takagi T, et al. **Acta Pathol Jpn** 1985 Sep;35(5):1047–55

Ultrastructure of human umbilical vessels: a possible role in amniotic fluid formation? Gebrane-Younes J, et al. **Placenta** 1986 Mar–Apr;7(2):173–85

[Structure and function of the fetal umbilical vessels] Hoang-Ngoc Minh, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1985;14(8):973–9 (Eng. Abstr.) (Fre)

UMBILICUS

Hemorrhagic disease of the newborn: an unusual etiology of neonatal bleeding. Binder L. **Ann Emerg Med** 1986 Aug; 15(8):935–8

Umbilical granuloma [letter] Phatak AT, et al. **Indian Pediatr** 1985 Jul;22(7):545

"Navelitis" [letter]Camisa C, et al. **JAMA** 1985 Nov 22–29; 254(20):2893

Anaerobic bacteria in omphalitis [letter] Brook I. **Pediatr Infect Dis** 1985 Nov–Dec;4(6):704

Umbilical metastasis from prostatic carcinoma—Sister Joseph nodule. Pieslor PC, et al. **Urology** 1986 Jun;27(6):558–9

Internal navel abscesses [letter] Brodrick TW. **Vet Rec** 1986 May 31;118(22):620

[Plasma fibronectin level in newborn infants with suppurative inflammatory diseases] Ermolin GA, et al. **Ter Arkh** 1986; 58(3):102–4 (Eng. Abstr.) (Rus)

[Epidemiological characteristics of new methods of preventing omphalitis] Arutiunian KE, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Feb;(2):66–9 (Eng. Abstr.) (Rus)

ABNORMALITIES

Umbilical dysmorphology. The importance of contemplating the belly button. Friedman JM. **Clin Genet** 1985 Oct; 28(4):343–7

ANATOMY & HISTOLOGY

Umbilicus and xiphisternum—poor antenatal reference points. Kingdom JC. **Ir Med J** 1985 Sep;78(9):248–50

MICROBIOLOGY

Disinfection of the umbilicus for abdominal surgery. Sellers J, et al. **Lancet** 1971 Dec 11;2(7737):1276–8

[Umbilical and ocular infections due to environmental contamination by Pseudomonas aeruginosa and Staphylococcus aureus. An outbreak at the neonatal and obstetric sections of the Locri Community Hospital. Environmental microbiological research and relative results] Poerio N, et al. **G Batteriol Virol Immunol** 1984 Jul–Dec;77(7–12):208–14 (Eng. Abstr.) (Ita)

PATHOLOGY

[Metastatic tumors of the umbilicus ("Sister Joseph's nodule")] Pöltl A, et al. **Orv Hetil** 1985 Dec 1;126(48):2965–6 (Eng. Abstr.) (Hun)

SURGERY

Reconstruction of umbilicus during functional closure of bladder exstrophy. Hanna MK. **Urology** 1986 Apr; 27(4):340–2

Internal navel abscesses in calves. Shearer AG. **Vet Rec** 1986 Apr 26;118(17):480–1

UNCINARIA AMERICANA see NECATOR

UNCINARIA DUODENALE see ANCYLOSTOMA

UNCONSCIOUS (PSYCHOLOGY)

The linguistic unconscious of Jacques Lacan. Stewart DW. **Am J Psychoanal** 1985 Winter;45(4):348–59

The role of unconscious conflict in informed consent. Zeichner B. **Bull Am Acad Psychiatry Law** 1985; 13(3):283–90

The symptom as metaphor in Lacan's theory of the unconscious. Stewart DW. **Hillside J Clin Psychiatry** 1986; 8(1):75–88

Infinite sets and double binds. Arden M. **Int J Psychoanal** 1984;65 (Pt 4):443–52

Understanding Matte Blanco [letter] Matte Blanco I. **Int J Psychoanal** 1986;67 (Pt 2):251–4

Understanding Matte-Blanco. Skelton R. **Int J Psychoanal** 1984;65 (Pt 4):453–60

The interpretation of psychic reality, developmental influences, and unconscious communication. Schafer R. **J Am Psychoanal Assoc** 1985;33(3):537–54

Lacan's linguistic unconscious and the language of desire. Stewart DW. **Psychoanal Rev** 1986 Spring;73(1):17–29

[The path into the wilderness as the path to the self? Critical reflections on Hans Peter Duerr's ethnology] Bartels M. **Psyche (Stuttg)** 1986 Jan;40(1):69–84 (Eng. Abstr.) (Ger)

[Past unconscious, present unconscious and the significance of transference] Sandler J, et al. **Psyche (Stuttg)** 1985 Sep; 39(9):800–29 (Ger)

[Multilevel organization of knowable and unknowable forms of higher nervous activity] Adrianov OS. **Vestn Akad Med Nauk SSSR** 1986;(4):43–9 (Rus)

UNCONSCIOUSNESS

see related SYNCOPE

The proton pump/leak mechanism of unconsciousness. Bangham AD, et al. **Chem Phys Lipids** 1986 Jun–Jul; 40(2–4):189–205

[Malaise and/or falls of elderly people. A real problem of public health] Bouchon JP. **Rev Med Interne** 1986 Jan; 7(1):15–7 (Fre)

[Complications of wide decompressive craniectomy. Clinical case] Simonetti G, et al. **Riv Neurol** 1986 Jan–Feb; 56(1):14–8 (Eng. Abstr.) (Ita)

DIAGNOSIS

A quick and easy guide to neurological assessment [letter] McNair ND. **J Neurosci Nurs** 1986 Aug;18(4):195

The electroencephalogram in altered states of consciousness. Brenner RP. **Neurol Clin** 1985 Aug;3(3):615–31 (62 ref.)

ETIOLOGY

Loss of consciousness in migraine: clinical and EEG findings during an attack [letter] Dick JP, et al. **Ann Neurol** 1986 May;19(5):514–5

Performance and physiological effects of acceleration-induced (+ Gz) loss of consciousness. Houghton JO, et al. **Aviat Space Environ Med** 1985 Oct; 56(10):956–65

Consciousness and amnesia after penetrating head injury: neurology and anatomy. Salazar AM, et al. **Neurology** 1986 Feb;36(2):178–87

Fits and other causes of loss of consciousness while driving. Parsons M. **Q J Med** 1986 Mar;58(227):295–303

Outlook after an acute stroke: urinary incontinence and loss of consciousness compared in 532 patients. Wade DT, et al. **Q J Med** 1985 Sep;56(221):601–8

[Prolonged losses of consciousness disclosing mastocytosis of the telangiectasia macularis eruptiva perstans type] Bonnefoy M, et al. **Ann Dermatol Venereol** 1986; 113(3):259–62 (Fre)

[Isolated loss of consciousness and brief malaise in children] Talon P, et al. **Ann Pediatr (Paris)** 1986 Apr;33(4):307–12 (Eng. Abstr.) (Fre)

[Malaise and loss of consciousness in the elderly patient: prospective evaluation of methods of investigation] Borde C, et al. **Rev Med Interne** 1986 Jan;7(1):26–34 (Eng. Abstr.) (Fre)

[Malaise and brief losses of consciousness after 65 years of age. Clinical diagnosis and value of complementary studies in 512 patients] Guillevin L, et al. **Rev Med Interne** 1986 Jan;7(1):19–25 (Eng. Abstr.) (Fre)

[Loss of consciousness of unclear origin at the wheel] Muggler-Bickel J, et al. **Ther Umsch** 1985 Sep;42(9):624–30 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

Consciousness as a neurological concept in epileptology: a critical review. Gloor P. **Epilepsia** 1986;27 Suppl 2:S14–26

THERAPY

Active management of the unconscious eclamptic patient. Richards AM, et al. **Br J Obstet Gynaecol** 1986 Jun; 93(6):554–62

UNCOUPLING AGENTS

Inhibition of electron transfer and uncoupling effects by emodin and emodinanthrone in Escherichia coli. Ubbink-Kok T, et al. **Antimicrob Agents Chemother** 1986 Jul;30(1):147–51

Effects of membrane channel-forming polypeptides on mitochondrial oxidative phosphorylation. A comparison of alamethicin, gramicidin A, melittin and tetraacetyl melittin. Das MK, et al. **Biochem Int** 1985 Sep;11(3):357–63

Fatty acid uncoupling of oxidative phosphorylation in rat liver mitochondria. Rottenberg H, et al. **Biochemistry** 1986 Apr 8;25(7):1747–55

ADVERSE EFFECTS

Nine cases of torsade de pointes with bepridil administration. Manouvrier J, et al. **Am Heart J** 1986 May;111(5):1005–7

BLOOD

Development of enzyme immunoassay for Platonin (NK 19). Yamamoto I, et al. **J Immunoassay** 1986;7(1–2):17–35

PHARMACODYNAMICS

Uncoupler-inhibitor titrations of ATP-driven reverse electron transfer in bovine submitochondrial particles provide evidence for direct interaction between ATPase and NADH:Q oxidoreductase. Herweijer MA, et al. **Biochim Biophys Acta** 1986 Apr 24;849(2):276–87

Uncoupler-induced relocation of elongation factor Tu to the outer membrane in an uncoupler-resistant mutant of Escherichia coli. Sedgwick EG, et al. **Biochim Biophys Acta** 1986 Mar 27;856(1):50–8

Further comments on the logic of the application of uncoupler- inhibitor titrations for the elucidation of the mechanisms of energy coupling. Pietrobon D, et al. **FEBS Lett** 1985 Nov 11;192(1):119–22

Changes in the survival curve shape of E. coli cells following irradiation in the presence of uncouplers of oxidative phosphorylation. Anderson RF, et al. **Int J Radiat Biol** 1985 Oct;48(4):495–504

The effects of mitochondrial energetics inhibitors on the fluorescence of potential-sensitive dyes rhodamine 123 and diS-C3-(5) in lymphocyte suspensions. Mokhova EN, et al. **J Bioenerg Biomembr** 1986 Aug;18(4):265–76

UNDERACHIEVEMENT

Intelligence and early academic underachievement. Kroft SB, et al. **Br J Clin Psychol** 1986 May;25 (Pt 2):147–8

Learning strategies: an instructional alternative for low-achieving adolescents. Deshler DD, et al. **Except Child** 1986 Apr;52(6):583–90

Perceived self-efficacy and intellectual performance of socially disadvantaged students. Singh S. **J Soc Psychol** 1985 Apr;125(2):267–8

UNDERTAKING see MORTUARY PRACTICE

UNDULANT FEVER see BRUCELLOSIS

UNEMPLOYMENT

Unemployment and its impact on adolescent work values. Israelowitz RE, et al. **Adolescence** 1986 Spring;21(81):145–58

Health consequences of youth unemployment. Sanford MN, et al. **Aust NZ J Psychiatry** 1985 Dec;19(4):427–32 (42 ref.)

Does father's unemployment put the fetus at risk? Golding J, et al. **Br J Obstet Gynaecol** 1986 Jul;93(7):704–10

Occupationless health [letter] **Br Med J [Clin Res]** 1986 Mar 15;292(6522):763–4

Occupationless health [letter] **Br Med J [Clin Res]** 1986 Jan 11;292(6513):137–8

Job loss and first pregnancy in young women. Beale N, et al. **Br Med J [Clin Res]** 1986 Mar 22;292(6523):799

From brainwave to breakfast television. Beale N. **Br Med J [Clin Res]** 1986 Mar 29;292(6524):869–70

A doctor's guide to the facts and figures of unemployment. Smith R. **Br Med J [Clin Res]** 1985 Oct 19; 291(6502):1107–11

"Bitterness, shame, emptiness, waste": an introduction to unemployment and health. Smith R. **Br Med J [Clin Res]** 1985 Oct 12;291(6501):1024–7

"Please never let it happen again": lessons on unemployment from the 1930s. Smith R. **Br Med J [Clin Res]** 1985 Oct 26;291(6503):1191–5

"He never got over losing his job": death on the doleSmith R. **Br Med J [Clin Res]** 1985 Nov 23;291(6507):1492–5

"Glissa job": the experience of unemployment.Smith R. **Br Med J [Clin Res]** 1985 Nov 2;291(6504):1263–6

Occupationless health. "I couldn't stand it any more": suicide and unemployment. Smith R. **Br Med J [Clin Res]** 1985 Nov 30;291(6508):1563–6

"What's the point. I'm no use to anybody": the psychological consequences of unemployment. Smith R. **Br Med J [Clin Res]** 1985 Nov 9;291(6505):1338–41 (20 ref.)

"I feel really ashamed": How does unemployment lead to poorer mental health? Smith R. **Br Med J [Clin Res]** 1985 Nov 16;291(6506):1409–12

"We get on each other's nerves": unemployment and the family. Smith R. **Br Med J [Clin Res]** 1985 Dec 14; 291(6510):1707–10

"I'm just not right": the physical health of the unemployed. Smith R. **Br Med J [Clin Res]** 1985 Dec 7;291(6509):1626–9

Training and "work" for the unemployed.Smith R. **Br Med J [Clin Res]** 1986 Feb 1;292(6516):320–3

Financial and local action to help the unemployed. Smith R. **Br Med J [Clin Res]** 1986 Feb 8;292(6517):400–3

Improving the health of the unemployed: a job for health authorities and health workers. Smith R. **Br Med J [Clin Res]** 1986 Feb 15;292(6518):470–2

"What can be done?" Responding to unemployment and health. Smith R. **Br Med J [Clin Res]** 1986 Jan 25; 292(6515):263–5

Dentist unemployment. A Scandinavian reality and workforce issues in the United States. Moore R. **Can Dent Assoc J** 1986 Jan;52(1):45–51

Unemployment and health: data and implications. D'Arcy C. **Can J Public Health** 1986 May–Jun;77 Suppl 1:124–31

The relationship between unemployment and physical abuse of children. Krugman RD, et al. **Child Abuse Negl** 1986; 10(3):415–8

Closing the gaps in health insurance coverage. AMA Council on Medical Service. **Conn Med** 1986 Apr;50(4):261–5

The effect of changing demographic composition on recent trends in underemployment. Clogg CC, et al. **Demography** 1985 Aug;22(3):395–414

Unemployment and family dynamics in meeting the needs of Chinese elderly in the United States. Yu LC, et al. **Gerontologist** 1985 Oct;25(5):472–6

Unemployment and health: an analysis of "Canada Health Survey" data. D'Arcy C, et al. **Int J Health Serv** 1985; 15(4):609–35

Job hazards and job security. Robinson JC. **J Health Polit Policy Law** 1986 Spring;11(1):1–18

Job-loss and family morbidity [letter] J R Coll Gen Pract 1986 Apr;36(285):176-7
Job-loss and family morbidity: a study of a factory closure. Beale N, et al. J R Coll Gen Pract 1985 Nov;35(280):510-4
Unemployment and mortality: further evidence from the OPCS Longitudinal Study 1971-81. Moser KA, et al. Lancet 1986 Feb 15;1(8477):365-7
Unemployment and health. Health promotion for the jobless male. Abraham IL, et al. Nurs Clin North Am 1986 Mar; 21(1):37-47 (54 ref.)
Challenge within the community: crisis intervention for society's unemployed. Keane SM. Nurs Forum 1984; 21(3):138-42
Self-perceived psychological effects on males of chronic unemployment by occupational classification. Peretti PO, et al. Psychiatr Med 1986 Jan-Mar;28(1):43-6
Depression among men made involuntarily redundant. Melville DI, et al. Psychol Med 1985 Nov;15(4):789-93
Factors influencing the psychological impact of prolonged unemployment and of re-employment. Warr P, et al. Psychol Med 1985 Nov;15(4):795-807
Employment, unemployment, and response to the General Health Questionnaire. Layton C. Psychol Rep 1986 Jun; 58(3):807-10
Social and clinical correlates of unemployment in two cohorts of male parasuicides. Platt SD, et al. Soc Psychiatry 1986;21(1):17-24
Unemployment stress: loss of control, reactance and learned helplessness. Baum A, et al. Soc Sci Med 1986;22(5):509-16
Alcohol consumption among laid-off workers before and after closure of a Danish ship-yard: a 2-year follow-up study. Iversen L, et al. Soc Sci Med 1986;22(1):107-9
Unemployment-related lifestyle changes and health disturbances in adolescents and children in the western countries. Olafsson O, et al. Soc Sci Med 1986; 22(11):1105-13 (60 ref.)
Unemployment, health and health services in German-speaking countries. Schwefel D. Soc Sci Med 1986;22(4):409-30 (269 ref.)
Time series analysis of the relationship between unemployment and mortality: a survey of econometric critiques and replications of Brenner's studies. Wagstaff A. Soc Sci Med 1985;21(9):985-96
Unemployment insurance, then and now, 1935-85. Price DN. Soc Secur Bull 1985 Oct;48(10):22-32
Veterinary unemployment: facts which persist [letter] Michell AR. Vet Rec 1985 Dec 14;117(24):647
[Emergency referrals of unemployed persons to the Department of Psychiatry in the Frederiksberg hospital. A follow-up study] Aggernaes H. Ugeskr Laeger 1986 Aug 11;148(33):2104-7 (Eng. Abstr.) (Dan)
[Unemployment among patients admitted to a psychiatric department] Solstad K, et al. Ugeskr Laeger 1986 Aug 11; 148(33):2107-9 (Eng. Abstr.) (Dan)
[Unemployment of elderly employees] Preiser K. Z Gerontol 1985 Sep-Oct;18(5):266-73 (Eng. Abstr.) (Ger)

UNESCO see UNITED NATIONS

UNICEF see UNITED NATIONS

UNIPOLAR DEPRESSION see DEPRESSIVE DISORDER

UNIT DOSE DRUG DISTRIBUTION SYSTEMS see MEDICATION SYSTEMS

UNIT DOSE DRUG DISTRIBUTION SYSTEMS, HOSPITAL see MEDICATION SYSTEMS, HOSPITAL

UNITED NATIONS

The role of IAEA in promoting health care services in developing countries. Nofal M. Ann Ist Super Sanita 1985; 21(4):527-34
Presentation of UNIDO: public pharmaceutical industry in the service of health. Tcheknavorian-Asenbauer A. Ann Ist Super Sanita 1985;21(4):565-71
FAO contribution to public health through livestock disease control with emphasis on viral disease. Wojciechowski KJ. Ann Ist Super Sanita 1985;21(4):535-41
International drug regulation. Lee PR, et al. Annu Rev Public Health 1986;7:217-35 (47 ref.)
FAO and nutrition: evolution of strategies. Lunven P. Food Nutr (Roma) 1985;11(1):2-16
Lebanon--its effect on smoking and drinking habits among Irish United Nations troops. Malone JM. Ir J Med Sci 1986 Jul;155(7):229-31
UNRWA and the health of Palestinian refugees. United Nations Relief and Works Agency. Lilienfeld LS, et al. N Engl J Med 1986 Aug 28;315(9):595-600
Dentist as U.N. diplomat (Dr. Lamuel Stanislaus). Florentz C. NY State Dent J 1986 Feb;52(2):44-5
Wisdom vs the "satisfied mind" [editorial]Thomison JB Jr. South Med J 1986 Jul;79(7):787-90
The United Nations Decade for Women: an end and a beginning. WHO Chron 1985;39(5):163-70
[The United Nations International Children's Emergency Fund and its help in saving children in developing countries] Holý J, et al. Cesk Zdrav 1986 Jul; 34(6-7):298-309 (Eng. Abstr.) (Cze)

HISTORY

The first forty years. WHO Chron 1985;39(6):203-6

LEGISLATION & JURISPRUDENCE

[United Nations' decade of the woman and measures in the area of occupational health] Volkova ZA. Gig Tr Prof Zabol 1985 Dec;(12):1-4 (Rus)

UNITED STATES ALCOHOL, DRUG ABUSE, AND MENTAL HEALTH ADMINISTRATION

NIMH to launch major campaign on recognition and treatment of depression. Runck B. Hosp Community Psychiatry 1986 Aug;37(8):779-80, 788
View from the Nation's Capital. NIH and ADAMHA FY 1986 appropriations. Appler WD. J Clin Psychopharmacol 1986 Apr;6(2):108-9
NIMH grant support in pharmacologic and somatic treatments research. Reatig N. Psychopharmacol Bull 1985; 21(4):1097-9
NIMH celebrates 40th birthday [news] Holden C. Science 1986 Jul 25;233(4762):408-9

ORGANIZATION & ADMINISTRATION

NIMH report. NIMH reorganization focuses on specific disorders, basic science, and research training. Frazier SH. Hosp Community Psychiatry 1985 Dec;36(12):1265-6, 1270
Treatment research and the NIMH re-reorganization. Parloff MB. Hosp Community Psychiatry 1985 Dec;36(12):1259

UNITED STATES CENTERS FOR DISEASE CONTROL see CENTERS FOR DISEASE CONTROL (U.S.)

UNITED STATES DEPARTMENT OF HEALTH AND HUMAN SERVICES see UNITED STATES DEPT. OF HEALTH AND HUMAN SERVICES

UNITED STATES DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE see UNITED STATES DEPT. OF HEALTH AND HUMAN SERVICES

UNITED STATES DEPT. OF HEALTH AND HUMAN SERVICES

APhA's response to HCFA's pharmacists incentive program. Am Pharm 1986 Mar;NS26(3):62-5, 68-70
HCFA makes life precarious for referral centers. Burda D. Hospitals 1986 Aug 5;60(15):26
New PRO guidelines seen as good, but... Gallivan M. Hospitals 1986 Feb 20;60(4):30, 33
Two years in a federal government role: reflections of a school health educator. Gilbert GG. J Sch Health 1985 Sep;55(7):283
Indian Health Service: 30 years of progress [news] Glasbrenner K. JAMA 1985 Oct 11;254(14):1872

ORGANIZATION & ADMINISTRATION

Where money and medicine meet: a conversation with HCFA administrator Carolyne K. Davis [interview by John K. Iglehart] Davis CK. Health Aff (Millwood) 1985 Summer;4(2):72-81
Plugging gaps is key success of early Bowen days. Gallivan M. Hospitals 1986 Jul 5;60(13):32-3
Roper acts fast in shaping staff. Gallivan M. Hospitals 1986 Jul 5;60(13):33, 36
HCFA links Medicare's future with capitation [interview by Janet Firshein] Moley K. Hospitals 1986 Aug 5;60(15):63-4
The Orphan Products Board of the Department of Health & Human Services. Crooks GM. Prog Clin Biol Res 1985; 197:19-23
Overview of the Office of Research, Statistics, and International Policy functions. Ross JL. Soc Secur Bull 1985 Sep;48(9):5-9

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY see under GOVERNMENT AGENCIES

UNITED STATES FEDERAL TRADE COMMISSION see under GOVERNMENT AGENCIES

UNITED STATES FOOD AND DRUG ADMINISTRATION

Oral chelation products. Nightingale SL. Am Fam Physician 1986 Mar;33(3):325
Heckler v. Chaney: judicial and administrative regulation of capital punishment by lethal injection. Stolls M. Am J Law Med 1985;11(2):251-77
The American College of Allergists and the Food and Drug Administration [editorial] Boggs PB. Ann Allergy 1986 Jun; 56(6):443
Influence that research and technological developments have had on the ability of the FDA to protect the public health. Novitch M. Ann Ist Super Sanita 1985;21(4):459-61
Food and Drug Administration regulation of medical device biotechnology, and food and food additive biotechnology. Kahan JS, et al. Appl Biochem Biotechnol 1985 Dec; 11(6):507-16 (24 ref.)
The role of the Food and Drug Administration in ophthalmology. Stark WJ, et al. Arch Ophthalmol 1986 Aug;104(8):1145-8
The role of risk assessment in food safety policy. Scheuplein RJ. Basic Life Sci 1986;38:563-71
Food and Drug Administration requirements for approval of new anticancer drugs. Johnson JR, et al. Cancer Treat Rep 1985 Oct;69(10):1155-9
Social policy and drug safety. Tilson HH. Clin Geriatr Med 1986 Feb;2(1):165-80 (114 ref.)
New short form for reporting adverse drug reactions. FDA Drug Bull 1986 Jun;16(1):4
Should it be easier or harder to use unapproved drugs and devices? Flannery EJ. Hastings Cent Rep 1986 Feb; 16(1):17-23
Cardiovascular device regulation in the United States--views from a former FDA scientist. Rahmoeller GA. Int J Cardiol 1986 Jun;11(3):261-4
Evidence used for approval of new drugs. Botstein P. Isr J Med Sci 1986 Mar-Apr;22(3-4):197-200
Hormone-containing cosmetic preparations [editorial] Lober CW. J Am Acad Dermatol 1986 May;14(5 Pt 1):827-8
Federal regulation gone astray [editorial] Gloyd JS. J Am Vet Med Assoc 1986 Jun 1;188(11):1232
Regulation of medical devices by the Food and Drug Administration. Gluck MS. J Clin Monit 1985 Jul; 1(3):216-8
View from the Nation's Capital. Appler WD. J Clin Psychopharmacol 1986 Feb;6(1):42-4
Rethinking some USP-FDA relationships. Heller WM. J Parenter Sci Technol 1986 May-Jun;40(3):80-1
FDA's compendial--related activities. Konnor CA. J Parenter Sci Technol 1986 Jan-Feb;40(1):30-3
Keeping foods safe and labels honest [news] Cowart V. JAMA 1985 Oct 25;254(16):2228-9
Research resolves uncertainties of regulation [news] Glasbrenner K. JAMA 1985 Oct 25;254(16):2208-9
Medical devices sorted into classes, regulated [news] Goldsmith MF. JAMA 1985 Oct 25;254(16):2245-6
Fight against fraud tracks 'miracle cures' [news] Simmons K. JAMA 1985 Oct 25;254(16):2201-2
Device center regulates 'tools of the trade' [news] Simmons K. JAMA 1985 Oct 25;254(16):2243-4
Veterinary center safeguards larger public [news] Ziporyn T. JAMA 1985 Oct 25;254(16):2236-7
Who would be affected if the FDA publishes mandatory standards? Or. . . Why Congress should get the FDA "off the hook".Miller MJ. Med Instrum 1986 May-Jun;20(3):168
Health fraud: a growing problem. Haffner ME, et al. Milit Med 1986 Jul;151(7):374-9
FDA's perspective on women and drugs. Danello MA. Natl Inst Drug Abuse Res Monogr Ser 1986;65:9-13
FDA chastised by Congress [news] Beardsley T. Nature 1986 Jan 30-Feb 5;319(6052):347
Cochlear implants: overview of safety and effectiveness. The FDA evaluation. Yin L, et al. Otolaryngol Clin North Am 1986 May;19(2):423-33
Regulating software for medical devices [news] Holden C. Science 1986 Oct 3;234(4772):20
A new look in government regulation? [editorial] Watts MS. West J Med 1986 Jan;144(1):73

HISTORY

The Food and Drug Administration: how those regulations came to be. Ziporyn T. JAMA 1985 Oct 18;254(15):2037-9, 2043-6

ORGANIZATION & ADMINISTRATION

Working with virtually every federal agency [news] Glasbrenner K. JAMA 1985 Oct 25;254(16):2200
Field staff: inspect, initiate enforcement, investigate [news] Glasbrenner K. JAMA 1985 Oct 25;254(16):2199
Postmarketing follow-up: physicians have key role [news] Goldsmith MF. JAMA 1985 Oct 25;254(16):2217
Reviewing new, very complicated drugs [news] Goldsmith MF. JAMA 1985 Oct 25;254(16):2215-6, 2218, 2221
Drug review, approval process changing [news] Goldsmith MF. JAMA 1985 Oct 25;254(16):2221, 2227
FDA prepares to meet regulatory challenges of the 21st century. Marwick C. JAMA 1985 Oct 25;254(16):2189-93, 2199-201
Efforts aim at being more in touch with professions, public [news] Marwick C. JAMA 1985 Oct 25;254(16):2192-3

UNITED STATES HEALTH CARE FINANCING ADMINISTRATION see under UNITED STATES DEPT. OF HEALTH AND HUMAN SERVICES

UNITED STATES HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION see UNITED STATES ALCOHOL, DRUG ABUSE, AND MENTAL HEALTH ADMINISTRATION

UNITED STATES NATIONAL HEALTH INSURANCE see NATIONAL HEALTH INSURANCE, UNITED STATES

UNITED STATES NATIONAL INSTITUTES OF HEALTH see NATIONAL INSTITUTES OF HEALTH (U.S.)

UNITED STATES NATIONAL LIBRARY OF MEDICINE see NATIONAL LIBRARY OF MEDICINE (U.S.)

UNITED STATES OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

The environment of the workplace and human values. Foreword: dialogue as a tool of the real world. Samuels SW. **Am J Ind Med** 1986;9(1):3–7

The future of OSHA, occupational medicine hinges on politics, economics. Strasser AL. **Occup Health Saf** 1986 Aug;55(8):15

Through cooperation, working with lawyers can go smoothly. Wang CC. **Occup Health Saf** 1986 Jun;55(6):48, 50

ORGANIZATION & ADMINISTRATION

OSHA's future direction obscured by controversy, personnel turnovers. Schechter D. **Occup Health Saf** 1985 Sep; 54(9):24–5

Acting OSHA chief Tyson says agency suffers during controversy [interview by Deborah Schechter] Tyson PR. **Occup Health Saf** 1985 Sep;54(9):26–8

UNITED STATES OFFICE OF ECONOMIC OPPORTUNITY

Identification and reporting of child maltreatment by Head Start personnel: attitudes and experiences. Nightingale NN, et al. **Child Abuse Negl** 1986;10(2):191–9

UNITED STATES PUBLIC HEALTH SERVICE

Smokeless tobacco. An open letter to the Surgeon General [editorial] Bailey BJ. **Arch Otolaryngol** 1985 Nov; 111(11):707–8

Rainbow reviews: II. Recent publications of the National Center for Health Statistics. Jekel JF. **J Chronic Dis** 1986; 39(3):189–93

National Center for Health Care Technology assessment of therapeutic apheresis for rheumatoid arthritis, 1981. Heyse SP, et al. **J Clin Apheresis** 1982;1(1):50–4

Laboratory-based research on the Cognitive Aspects of Survey Methodology: the goals and methods of the National Center for Health Statistics study. Lessler JT, et al. **Milbank Mem Fund Q** 1985 Summer;63(3):565–81

What happened to the U.S. Public Health Service Hospitals? [editorial] Driscoll RS. **Milit Med** 1986 Feb; 151(2):128–9

The PHS Task Force on Women's Health Issues. Chatham L. **Natl Inst Drug Abuse Res Monogr Ser** 1986;65:1–8

Scientific fraud. New public health service policy [news] Beardsley T. **Nature** 1986 Jun 26–Jul 2;321(6073):804

Response of the RAC Risk Assessment Subcommittee to scientific issues raised in an HHS memorandum. **Recomb DNA Tech Bull** 1985 Sep;8(3):108–14

Health Service unveils fraud policy [news] Holden C. **Science** 1986 Jul 18;233(4761):278–9

HISTORY

The nationalization of a disease: a paradigm? Soviero DJ. **Public Health Rep** 1986 Jul–Aug;101(4):399–404

ORGANIZATION & ADMINISTRATION

Florida physician to be Assistant Secretary for Health [news] Sun M. **Science** 1986 Jul 4;233(4759):22

TRENDS

Medical preparedness of seafarers: new problems, new approaches, no solutions. Johnson WP. **J Occup Med** 1986 Jan;28(1):53–4

UNITED STATES VETERANS ADMINISTRATION

Determination of medical disability [letter] Kumar K, et al. **Ann Intern Med** 1986 Aug;105(2):292–3

The Veterans Administration library program. Gartland HJ. **Bull Med Libr Assoc** 1968 Jan;56(1):21–3

Health care for veterans: the limits of obligation. Levinsky NG. **Hastings Cent Rep** 1986 Aug;16(4):10–5

Once a soldier, always a dependent. Sommers CH. **Hastings Cent Rep** 1986 Aug;16(4):15–7

Veterans' and nonveterans' use of health services. A comparative analysis. Wolinsky FD, et al. **Med Care** 1985 Dec;23(12):1358–71

ORGANIZATION & ADMINISTRATION

Care of the elder veteran: new directions for change. Schlesinger M, et al. **Health Aff (Millwood)** 1986 Summer; 5(2):59–71

The Veterans Administration Northwest Regional Health Services Research and Development Field Program: organization, activities, and early outcomes. Austin CD, et al. **Health Serv Res** 1986 Feb;20(6 Pt 2):825–39

Health Services Research and Development: the Veterans Administration Program. Goldschmidt PG. **Health Serv Res** 1986 Feb;20(6 Pt 2):789–824

Collaboration in health services research: on developing relationships between VA researchers and those in other institutions. Greenlick MR, et al. **Health Serv Res** 1986 Feb;20(6 Pt 2):841–9

The Veterans Administration medical care system faces an uncertain future. Iglehart JK. **N Engl J Med** 1985 Oct 31; 313(18):1168–72

The Veterans Administration medical care system and the private sector. Iglehart JK. **N Engl J Med** 1985 Dec 12; 313(24):1552–6

UNITHIOL see under **DIMERCAPROL**

UNIVERSITIES

Peer review in the allocation of university research funds. Chubb IW, et al. **Aust Clin Rev** 1985 Jun;(17):86–9

Joint mobility among university students [letter] Bird HA, et al. **Br J Rheumatol** 1986 Aug;25(3):314

An alternative to foster care for victims of child abuse/neglect: a university-based program. Van Meter MJ. **Child Abuse Negl** 1986;10(1):79–84

Mandatory retirement in higher education: is it necessary? Krause DR. **Gerontol Geriatr Educ** 1985 Spring;5(3):61–7

Measles and rubella on campus: how far have we come? Bart KJ, et al. **J Am Coll Health** 1985 Oct;34(2):91–9

When the learning disabled go to college. Faigel HC. **J Am Coll Health** 1985 Aug;34(1):18–22

Sharing health services: two universities, a seminary, and a community. Oliver TG, et al. **J Am Coll Health** 1985 Dec; 34(3):138–9

Sexuality and the disabled: apathy on the campus. Taylor ME, et al. **J Am Coll Health** 1985 Aug;34(1):34–6

Alan Gregg memorial lecture. Medical education and the university. Shapiro HT. **J Med Educ** 1986 Feb;61(2):81–91

Correlates of university nurse faculty publication productivity. Ostmoe PM. **J Nurs Educ** 1986 May; 25(5):207–12

Another ten years in education. Warnock M. **J R Soc Med** 1986 Apr;79(4):194–9

Public health—what is this thing called ...? Best J. **Med J Aust** 1986 Jan 20;144(2):93, 96–7

How to establish official student chapters of AAMD at colleges and universities. Fletcher D. **Ment Retard** 1986 Feb;24(1):43–4

Laboratory safety: just how hot is Harvard? [news] Collins E. **Nature** 1986 Jul 3–9;322(6074):7

Universities need adequate employee safety, health programs. Hurst R, et al. **Occup Health Saf** 1986 Feb;55(2):39–43

Academic center approaches to orphan drug research and development. Hauck FP, et al. **Prog Clin Biol Res** 1985; 197:115–22

College choice among prospective health professions majors: implications for nursing education. Chapman DW, et al. **Res Nurs Health** 1985 Dec;8(4):339–46

New university-industry pact signed [news] Barnes DM. **Science** 1985 Dec 13;230(4731):1255–6

University–industry research relationships in biotechnology: implications for the university. Blumenthal D, et al. **Science** 1986 Jun 13;232(4756):1361–6

Industrial support of university research in biotechnology. Blumenthal D, et al. **Science** 1986 Jan 17;231(4735):242–6

Cooperation between university and industry in the field of medical research. Black J. **Verh K Acad Geneeskd Belg** 1985;47(6):439–45

Exchanges between university and industry. Janssen P. **Verh K Acad Geneeskd Belg** 1985;47(6):547–50

Future leadership in public health in the Commonwealth Caribbean, including the role of the University of the West Indies. Standard KL, et al. **West Indian Med J** 1985 Dec; 34(4):220–4

[The university, the lecturer and the student] van der Schijff HP. **J S Afr Vet Assoc** 1985 Dec;56(4):173–6 **(Afr)**

[Epidemiology of arterial hypertension in students at the University of Nice] Morand P, et al. **Arch Mal Coeur** 1985 Oct;78(11):1633–9 (Eng. Abstr.) **(Fre)**

[Tuberculosis among the teaching personnel and students at the Central University of Cluj-Napoca (1926–1983)] Moisescu V, et al. **Rev Ig [Pneumoftiziol]** 1985 Oct–Dec; 34(4):325–38 (Eng. Abstr.) **(Rum)**

[The university and health for all in the year 2000 (editorial)] Guerra de Macêdo C. **Bol Of Sanit Panam** 1985 Sep; 99(3):209–16 **(Spa)**

[A model of teaching training at the university level] Giraldo de Londoño A. **Educ Med Salud** 1985;19(4):483–8 **(Spa)**

[The university and "health for all by the year 2000"] Guerra de Macedo C. **Educ Med Salud** 1985;19(3):259–65 **(Spa)**

ECONOMICS

Commercializing university research. Lessons from the experience of the Wisconsin Alumni Research Foundation. Blumenthal D, et al. **N Engl J Med** 1986 Jun 19; 314(25):1621–6

OMB floats new indirect cost plan [news] Norman C. **Science** 1986 Jun 20;232(4757):1494–5

A plea from academia [news] Norman C. **Science** 1986 Jan 31;231(4737):447

Subsidizing research: role of the university. Rosenzweig RM. **Science** 1986 Jun 20;232(4757):1508–9

HISTORY

Thirty-five years of the Faculty of Medicine at the reestablished University in Olomouc. Kolařík J, et al. **Acta Univ Palacki Olomuc Fac Med** 1982;103:7–21

The hen's egg versus the horse's brain: how equine encephalomyelitis vaccine established the Dorothy and Joseph Beard Foundation. Sealy WC. **NC Med J** 1986 Jan; 47(1):37–8

The Golden Jubilee of the Department of Optometry, Uwist, Cardiff [editorial] Millodot M. **Ophthalmic Physiol Opt** 1986;6(2):127–8

Department of Physiology and Biophysics at University of Kentucky. Boyarsky LL. **Physiologist** 1985 Dec; 28(6):482–4

History of Physiology at The Ohio State University. Lessler MA, et al. **Physiologist** 1985 Dec;28(6):491–501

History of physiology at the University of Virginia. Pitts GC. **Physiologist** 1985 Oct;28(5):402–6

[40 years' of the Orthopedic Clinic of Palacký University in Olomouc] Hampel F. **Acta Chir Orthop Traumatol Cech** 1986 Jul;53(4):271–2 **(Cze)**

[The Chair of Gynecology and Obstetrics of the University of Liège: 150 years' history] Lambotte R. **Rev Med Liege** 1985 Nov 1;40(21):725–30 **(Fre)**

[The beginnings of physiological chemistry at the Berlin University. Significance of J. Ch. Reil and G. K. L. Sigwart in the development of clinical chemistry] Sepke H, et al. **Z Gesamte Hyg** 1985 Nov;31(11):651–2 (Eng. Abstr.) **(Ger)**

[The university system and medical education in Hungary are 350 years old] Kapronczay K. **Orv Hetil** 1985 Dec 15;126(50):3103–4 **(Hun)**

[The 1st teachers of pediatric diseases at Moscow University] Shakirzianova RM, et al. **Sov Zdravookhr** 1986;(2):62–4 **(Rus)**

[The diploma of surgeon from Trnava University. On the 350th anniversary of the opening of Trnava University] Simončič J. **Bratisl Lek Listy** 1986 Jul;86(1):101–3 **(Slo)**

[Clinical research in the university: prototype based on the discovery, treatment and prevention of hereditary metabolic disease] Velázquez A. **Bol Estud Med Biol** 1983 Jul–Oct;32(7–8 Suppl 1):309–17 (Eng. Abstr.) **(Spa)**

[Research and teaching in public health. History of the relations between the universities and the government] Bustamante ME. **Salud Publica Mex** 1986 Mar–Apr; 28(2):198–211 (Eng. Abstr.) **(Spa)**

[Miguel E. Bustamante and the University] Narro Robles JR. **Salud Publica Mex** 1986 Mar–Apr;28(2):215–6 **(Spa)**

ORGANIZATION & ADMINISTRATION

Current status of clinical pharmacology in the United Kingdom. Turner P. **Clin Pharmacol Ther** 1986 Apr; 39(4):448–50

The role of universities in professional education. Mulgan RG. **NZ Med J** 1986 Feb 26;99(796):107–10

[General Financial Schedule of universities and colleges 1986–1990] Deetman WJ. **Tijdschr Diergeneeskd** 1986 Jul 15;111(14):699–702 **(Dut)**

[Teaching departments in university education] Guzmán EE, et al. **Educ Med Salud** 1985;19(3):344–50 **(Spa)**

STANDARDS

Apartheid and academic boycott [letter] McGregor M. **N Engl J Med** 1985 Dec 26;313(26):1666

UNIVERSITY HEALTH SERVICES see **STUDENT HEALTH SERVICES**

UNIVERSITY MEDICAL CENTERS see **ACADEMIC MEDICAL CENTERS**

UPHILL TRANSPORT see **BIOLOGICAL TRANSPORT, ACTIVE**

UPPER RESPIRATORY INFECTIONS see **RESPIRATORY TRACT INFECTIONS**

UPTAKE INHIBITORS, NEUROTRANSMITTER see **TRANSMITTER UPTAKE INHIBITORS, NEURONAL**

URACHAL CYST

COMPLICATIONS

A fatal case of ruptured infected urachal cyst. Akintan B, et al. **Int Urol Nephrol** 1985;17(2):133–8

DIAGNOSIS

Infected suture granuloma simulating mass of urachal origin: case report. Katz PG, et al. **J Urol** 1986 Apr;135(4):782–3

Differential diagnosis of intra- and perivesical abnormalities using bladder air/CO2 contrast sonography. Schneider K, et al. **Pediatr Radiol** 1986;16(4):309–12

URACHUS

A case of urachal carcinoma with Meigs's syndrome. Kidera Y, et al. **Asia Oceania J Obstet Gynaecol** 1986 Mar; 12(1):57–61

Computed tomography and ultrasound of a urachal cancer. Fitzgerald EJ, et al. **Br J Radiol** 1985 Jan;58(685):88–90

A case of apenia, urachal fistua and anorectal agenesis.

Arunachalam U. **J Indian Med Assoc** 1986 Jan;84(1):28
Urachal abscess remnant in an adult. Kaisary AV. **J Urol (Paris)** 1985;91(8):523–4
Urachal carcinoma. Rosen L, et al. **Urol Radiol** 1985; 7(3):174–7
[A case of pseudomyxoma peritonei in which the primary site is supposed to be the urachus] Mizuno S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Dec;82(12):2979–82 **(Jpn)**

PATHOLOGY

Villous adenoma of the urachus with mucusuria: a light and electron microscopic study. Eble JN, et al. **J Urol** 1986 Jun;135(6):1240–4
[Adenocarcinoma of the urachus. A case report] Bäumer F, et al. **Fortschr Med** 1986 Apr 17;104(15):315–6 (Eng. Abstr.) **(Ger)**
[Pathology of the residual urachus: a congenital anomality of possibly late clinical onset] Tomasella G, et al. **Chir Ital** 1986 Feb;38(1):80–5 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Abdominal case of the day. Rao BK, et al. **AJR** 1986 May; 146(5):1074–9
Computed tomographic imaging of microscopic dystrophic calcification in urachal adenocarcinoma. Nesbitt JA, et al. **Urology** 1986 Feb;27(2):184–6

SURGERY

[Patent urachus] Krikunovskaia LA. **Khirurgiia (Mosk)** 1985 Jul;(7):45–6 (Eng. Abstr.) **(Rus)**

URACIL

Free energy contributions of G.U and other terminal mismatches to helix stability. Freier SM, et al. **Biochemistry** 1986 Jun 3;25(11):3209–13
Hydrogen-bonding preferences in 2,6-diaminopurine: uracil (thymine) and 8-methyl adenine:uracil (thymine) complexes. Rao SN, et al. **Biopolymers** 1986 Feb; 25(2):267–80
Synthesis of poly-L-glutamates containing 5-substituted uracil moieties. Mochizuki E, et al. **Nucleic Acids Symp Ser** 1985;(16):121–4

ADMINISTRATION & DOSAGE

Phase II study of co-administration of uracil and tegafur (UFT) in hepatocellular carcinoma. Tokyo Liver Cancer Chemotherapy Study Group. **Jpn J Clin Oncol** 1985 Sep; 15(3):559–62

ANALOGS & DERIVATIVES

Quantitative determination of the 5-(hydroxymethyl)uracil moiety in the DNA of gamma-irradiated cells. Frenkel K, et al. **Biochemistry** 1985 Aug 13;24(17):4527–33
Tissue-specific enhancement of uridine utilization and 5-fluorouracil therapy in mice by benzylacyclouridine. Darnowski JW, et al. **Cancer Res** 1985 Nov;45(11 Pt 1):5364–8
DNA binding by the bacteriophage SPO1-encoded type II DNA-binding protein, transcription factor 1. Site-specific binding requires 5-hydroxymethyluracil-containing DNA. Greene JR, et al. **J Biol Chem** 1986 Sep 25;261(27):12828–33
Nucleosides. 136. Synthesis and antiviral effects of several 1-(2-deoxy-2-fluoro-beta-D-arabinofuranosyl)-5-alkyluracils. Some structure-activity relationships. Su TL, et al. **J Med Chem** 1986 Jan;29(1):151–4
Assesment of electron irradiation damage to biomolecules using the Patterson function. Misra M, et al. **J Microsc** 1985 Aug;139 (Pt 2):197–204
Potentiation by acyclothymidine esters of the antitumor effect of orally administered 5-fluoro-2'-deoxyuridine esters on L1210 in mice. Kawaguchi T, et al. **Jpn J Cancer Res** 1986 May;77(5):436–9
Reaction of nucleic acids bases and their derivatives with peroxodisulfate ion. Itahara T, et al. **Nucleic Acids Symp Ser** 1985;(16):61–4
Alkali-catalyzed isomerization of some nitrogen-bridged furanosyl uracils to the corresponding pyranosyl cyclonucleosides. Minamoto K, et al. **Nucleic Acids Symp Ser** 1985;(16):65–8
[Effect of prodigiozan, levamisole and methyluracil on endogenous colony formation and absorptive function of the reticuloendothelial system] Riabchinskaia LA. **Antibiot Med Biotekhnol** 1985 Jun;30(6):446–9 (Eng. Abstr.) **(Rus)**
[Properties of T-cell growth factor obtained from diucifon-stimulated human lymphocytes] Leskov VP, et al. **Biull Eksp Biol Med** 1985 Dec;100(12):738–40 (Eng. Abstr.) **(Rus)**
[Effect of diucifon and its structural precursors on inflammatory and pain reactions] Gorbunov SM, et al. **Farmakol Toksikol** 1985 Nov-Dec;48(6):44–7 (Eng. Abstr.) **(Rus)**
[Use of a multi-component collagen preparation and low-frequency ultrasonics in gastrointestinal surgery] Petrov VI, et al. **Khirurgiia (Mosk)** 1986 Mar;(3):98–102 **(Rus)**
[Comparative analysis of the results of the local treatment of gastroduodenal ulcers using low-energy laser radiation and methyluracil] Sinev IuV, et al. **Klin Med (Mosk)** 1985 Sep;63(9):82–5 (Eng. Abstr.) **(Rus)**
[Efficacy of immunotropic drugs in experimental tuberculosis] Zabolotnykh NV, et al. **Probl Tuberk** 1985; (11):50–4 (Eng. Abstr.) **(Rus)**
[Diucifon in the treatment of chronic aphthous stomatitis] Terekhova NV, et al. **Stomatologiia (Mosk)** 1986 Jan-Feb; 65(1):20–1 (Eng. Abstr.) **(Rus)**
[Effectiveness of using diucifon in patients with chronic pulmonary pathology] Borisova AM, et al. **Ter Arkh** 1986; 58(4):90–3 **(Rus)**
[Various aspects of immunomodulating therapy in patients with protracted pneumonia during convalescence] Karaulov AV, et al. **Ter Arkh** 1986;58(4):113–7 **(Rus)**
[Clinico-immunologic basis for using a collagen preparation in the treatment of trophic ulcers] Berchenko VV, et al. **Vestn Dermatol Venerol** 1986;(6):57–9 (Eng. Abstr.) **(Rus)**
[Dynamics of quantitative and functional indices of peripheral blood T-RFC during treatment of acne with anti-inflammatory preparations] Kovalev VM. **Vestn Dermatol Venerol** 1986;(2):45–9 (Eng. Abstr.) **(Rus)**
[Clinico-immunologic substantiation of the use of diucifon in patients with chronic tonsillitis] Konstantinova NP, et al. **Vestn Otorinolaringol** 1985 Nov-Dec;(6):49–52 (Eng. Abstr.) **(Rus)**
[New method of treating patients with rheumatoid arthritis using electrophoresis of the immunosuppressive preparation dopan from a dimexide solution] Kozlova LA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Jan-Feb;(1):33–5 (Eng. Abstr.) **(Rus)**
[Comparative efficacy of treatment of fractures of the lower jaw using laser puncture, ultra-high frequency and methyluracil ointment phonophoresis] Luk'ianenko VT, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 May-Jun; (3):57–9 **(Rus)**

ANALYSIS

Identification of three G.U base pairs in Bacillus subtilis ribosomal 5S RNA via 500-MHz proton homonuclear Overhauser enhancements. Chang LH, et al. **Biochemistry** 1986 May 20;25(10):3056–63

ISOLATION & PURIFICATION

Low molecular weight immunosuppressive factors found in elevated amounts in cancer ascitic fluids of mice. I. Isolation, identification and immunosuppressive effects of uric acid and uracil. Sami S, et al. **J Immunopharmacol** 1986;8(1):39–58

METABOLISM

Dihydrothymine dehydrogenase deficiency in a family, leading to elevated levels of uracil and thymine. De Abreu RA, et al. **Adv Exp Med Biol** 1986;195 Pt A:77–80
The repair of uracil-containing DNA. Weiss B, et al. **Basic Life Sci** 1986;38:349–56
Is uracil misincorporation into DNA of mammalian cells a consequence of methotrexate treatment? Fraser DC, et al. **Biochem Biophys Res Commun** 1986 Mar 28;135(3):886–93
Effects of uridine and thymidine on the degradation of 5-fluorouracil, uracil, and thymine by rat liver dihydropyrimidine dehydrogenase. Tuchman M, et al. **Cancer Res** 1985 Nov;45(11 Pt 1):5553–6
Selection by genetic transformation of a Saccharomyces cerevisiae mutant defective for the nuclear uracil-DNA-glycosylase. Burgers PM, et al. **J Bacteriol** 1986 Jun;166(3):905–13
Eimeria tenella: parasite-specific incorporation of 3H-uracil as a quantitative measure of intracellular development. Schmatz DM, et al. **J Protozool** 1986 Feb;33(1):109–14
[5-FU, FT-207 and uracil concentrations in the serum and tissues of patients with cervical cancer after UFT oral administration] Tanimura T, et al. **Gan To Kagaku Ryoho** 1986 Feb;13(2):349–55 (Eng. Abstr.) **(Jpn)**

TOXICITY

Uracil-induced urolithiasis and the development of reversible papillomatosis in the urinary bladder of F344 rats. Shirai T, et al. **Cancer Res** 1986 Apr;46(4 Pt 2):2062–7
Toxicity study of uracil in dogs. Spicer EJ, et al. **J Appl Toxicol** 1985 Oct;5(5):333–8

URINE

Identification of Escherichia coli by detection of hydroquinone and uracil in the urine system. Maeda K, et al. **J Chromatogr** 1985 Nov 29;345(1):11–8
Batch separation of uracil derivatives from urine. Uziel M. **J Chromatogr** 1986 Apr 25;377:175–82
Dihydropyrimidine dehydrogenase deficiency leading to thymine-uraciluria. An inborn error of pyrimidine metabolism. Wadman SK, et al. **J Inherited Metab Dis** 1985; 8 Suppl 2:113–4

URACIL NUCLEOTIDES

Halogenated nucleic acids: effects of 5-fluorouracil on the conformation and properties of a polyribonucleotide and its constituents. Loomis RE, et al. **Biopolymers** 1986 Apr; 25(4):571–600
Differential inhibitory effects of 5-substituted 1-beta-D-xylofuranosyluracil 5'-triphosphates and related nucleotides on DNA-dependent RNA polymerases I and II from the cherry salmon (Oncorhynchus masou). Nakayama C, et al. **J Biochem (Tokyo)** 1985 Aug; 98(2):417–25

ANALYSIS

Location of oligo(uridylic acid) sequences within messenger ribonucleic acid molecules of HeLa cells. Kulkosky JW, et al. **Biochemistry** 1985 Jul 2;24(14):3678–86

BIOSYNTHESIS

Isolation and characterization of pyrimidine mutants of Salmonella typhimurium altered in expression of pyrC, pyrD, and pyrE. Kelln RA, et al. **Can J Microbiol** 1985 Nov;31(11):981–7
De novo pyrimidine nucleotide biosynthesis in isolated rat glomeruli. Cortes P, et al. **Kidney Int** 1986 Jul;30(1):27–34
Uracil nucleotide synthesis in a human breast cancer cell line (MCF-7) and in two drug-resistant sublines that contain increased levels of enzymes of the de novo pyrimidine pathway. Karle JM, et al. **Mol Pharmacol** 1986 Aug; 30(2):136–41

CHEMICAL SYNTHESIS

Synthesis and antitumor and antiviral properties of 5-alkyl-2'-deoxyuridines, 3',5'-cyclic monophosphates, and neutral cyclic triesters. Bères J, et al. **J Med Chem** 1986 Apr;29(4):494–9
Synthesis of two diastereoisomeric p-nitrophenyl phosphodiesters of 2',3'-secouridine and their affinity for phosphodiesterases. Jones AS, et al. **Nucleic Acids Res** 1986 Jul 11;14(13):5409–16

ISOLATION & PURIFICATION

Sequence content of oligo(uridylic acid)-containing messenger ribonucleic acid from HeLa cells. Wood WM, et al. **Biochemistry** 1985 Jul 2;24(14):3686–93

METABOLISM

Potentiation of antimetabolite action by uridylate trapping. Keppler D, et al. **Adv Enzyme Regul** 1985;24:417–27
Extraction, purification, identification and metabolism of 3',5'-cyclic UMP, 3',5'-cyclic IMP and 3',5'-cyclic dTMP from rat tissues. Newton RP, et al. **Biochem J** 1986 Jun 1;236(2):431–9
Investigations on the messenger RNA binding site of eukaryotic ribosomes by using reactive oligo(U) derivatives. Stahl J, et al. **Biomed Biochim Acta** 1985; 44(7-8):1057–64
Association of RNA polymerase having increased Km for ATP and UTP with hyperexpression of the pyrB and pyrE genes of Salmonella typhimurium. Jensen KF, et al. **J Bacteriol** 1986 Jun;166(3):857–65

PHARMACODYNAMICS

Effect of pyrophosphate and orotidine monophosphate on cytosine deaminase regulatory properties. West TP. **Experientia** 1985 Dec 15;41(12):1563–4
Synthesis, structure, and antitumor and antiviral activities of a series of 5-halouridine cyclic 3',5'-monophosphates. Béres J, et al. **J Med Chem** 1986 Apr;29(4):488–93
Role of translation in the UTP-modulated attenuation at the pyrBI operon of Escherichia coli. Clemmesen K, et al. **MGG** 1985;201(2):247–51
[Proliferative response of HeLa and Hep2 cell lines to exogenous nucleotides] Mkrtchian LN, et al. **Vopr Onkol** 1985;31(12):74–6 (Eng. Abstr.) **(Rus)**

URACIL POLYNUCLEOTIDES see POLY U

URAGOGA see IPECAC

URALENIC ACID see GLYCYRRHETINIC ACID

URANIUM

Radiation protection of workers in mines. **Ann ICRP** 1986; 16(1):1–21
Microbial release of 226Ra2+ from (Ba,Ra)SO4 sludges from uranium mine wastes. Fedorak PM, et al. **Appl Environ Microbiol** 1986 Aug;52(2):262–8
Randomization of grab-sampling strategies for estimating the annual exposure of U miners to Rn daughters. Borak TB. **Health Phys** 1986 Apr;50(4):465–72
Histopathologic findings of lung cancer in Navajo men: relationship to U mining. Butler C, et al. **Health Phys** 1986 Sep;51(3):365–8
Transfer coefficient of 226Ra from vegetation to meadow voles, Microtus pennsylvanicus, on U mill tailings. Cloutier NR, et al. **Health Phys** 1986 Jun;50(6):775–80
Pre-operational survey of a U mine near Val Vedello, Italy. Fenzi A. **Health Phys** 1986 Aug;51(2):197–205
The relative effect of ventilation on the potential alpha energy from 222Rn and 220Rn progeny. Johnson JR. **Health Phys** 1985 Nov;49(5):996–8
A simple two-count method for routine monitoring of 222Rn and 220Rn progeny working levels in U mines. Khan A,

et al. **Health Phys** 1986 Mar;50(3):381–8
Radiation data input for the design of dry or semi-dry U tailings disposal. Kvasnicka J. **Health Phys** 1986 Sep; 51(3):329–36
Final product dust activity median aerodynamic diameters in the product packing areas of two Australian U mills. Woods DA. **Health Phys** 1986 Sep;51(3):352–6
Functional basis for the glomerular alterations in uranyl nitrate acute renal failure. Blantz RC, et al. **Kidney Int** 1985 Nov;28(5):733–43
Risk assessment for indoor exposure to radon daughters. Jacobi W, et al. **Sci Total Environ** 1985 Oct;45:551–62

ADVERSE EFFECTS

A World War II uranium hexafluoride inhalation event with pulmonary implications for today. Moore RH, et al. **J Occup Med** 1985 Oct;27(10):753–6

ANALYSIS

Natural U concentrations in soft tissues and bone of New York City residents. Fisenne IM, et al. **Health Phys** 1986 Jun;50(6):739–46
Determination of U in Japanese human tissues by the fission track method. Igarashi Y, et al. **Health Phys** 1985 Nov; 49(5):707–12
Public health standards limiting the concentration of U in drinking water [letter] Johnson CJ. **Health Phys** 1986 Jan; 50(1):169–70
Ratios of 234U, 238U and 230Th in dog lungs exposed to U ore dust: an interlaboratory comparison. Singh NP, et al. **Health Phys** 1986 Feb;50(2):292–7
Food-chain transfer of U-series radionuclides in a northern Saskatchewan aquatic system. Swanson SM. **Health Phys** 1985 Nov;49(5):747–70
Elemental imaging and resolution in energy-filtered conventional electron microscopy. Shuman H, et al. **Ultramicroscopy** 1986;19(2):121–33
[Uranium, thorium and potassium contents and radioactive equilibrium states of the uranium and thorium series nuclides in phosphate rocks and phosphate fertilizers] Komura K, et al. **Radioisotopes** 1985 Oct;34(10):529–36 (Eng. Abstr.) **(Jpn)**
[Natural uranium content of human organs and excreta] Drutman RD, et al. **Gig Sanit** 1985 Jul;(7):61–4 (Eng. Abstr.) **(Rus)**
[Natural distribution of uranium in skeletal bones and bone tissue fractions] Popov DK, et al. **Radiobiologiia** 1986 Jan–Feb;26(1):127–30 (Eng. Abstr.) **(Rus)**

BLOOD

Isotopic U concentration in human blood from New York City donors. Fisenne IM, et al. **Health Phys** 1985 Dec; 49(6):1272–5

METABOLISM

Levels of 234U, 238U and 230Th in excreta of U mill crushermen [letter] Singh NP, et al. **Health Phys** 1986 Feb; 50(2):300–3
Multicompartment kinetic models for the metabolism of americium, plutonium and uranium in rats. Sontag W. **Hum Toxicol** 1986 May;5(3):163–73
Metabolism of an industrial uranium trioxide dust after deposition in the rat lung. Stradling GN, et al. **Hum Toxicol** 1985 Nov;4(6):563–72
Increased deposition of uranium in the bones of vitellogenic male Japanese quail. Effect of estradiol-17 beta on the distribution of uranium (VI), thorium (IV), gadolinium (III), and calcium (II). Robinson GA, et al. **Poult Sci** 1986 Jun;65(6):1178–83
[Studies on uranium mobilization drugs: synthesis of two new types of phosphonic acid chelating agents] Chen WZ, et al. **Yao Hsueh Hsueh Pao** 1984 Nov;19(11):865–8 (Eng. Abstr.) **(Chi)**
[Studies on uranium mobilization agents. II. Synthesis of polyaminopolycarboxylic acid amides with catechol moieties] Xu MZ, et al. **Yao Hsueh Hsueh Pao** 1986 Feb; 21(2):148–51 (Eng. Abstr.) **(Chi)**

PHARMACODYNAMICS

Induced formation of chelating agents by Pseudomonas aeruginosa grown in presence of thorium and uranium. Premuzic ET, et al. **Arch Environ Contam Toxicol** 1985 Nov;14(6):759–68
Mechanism of rhythmic contractions induced by uranyl ion in the ileal longitudinal muscle of guinea-pig. Fu WM, et al. **Eur J Pharmacol** 1985 Jul 17;113(2):199–204
Antagonistic action of uranyl nitrate on presynaptic neurotoxins from snake venoms. Lin-Shiau SY, et al. **Neuropharmacology** 1986 Jan;25(1):95–101
Mode of inhibitory action of Zn2+, Hg2+ and UO2(2+) on 5'-nucleotidase of mouse hepatic microsomes. Lin RH, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Sep;84(9):1009–16

POISONING

Gastric cancer in New Mexico counties with significant deposits of uranium. Wilkinson GS. **Arch Environ Health** 1985 Nov–Dec;40(6):307–12

TOXICITY

Validation of impaired renal function chick model with uranyl nitrate. Harvey RB, et al. **Bull Environ Contam Toxicol** 1986 Jan;36(1):67–72
Acute toxicity of uranyl nitrate and behaviour of serum lipolytic activity. Gojer M, et al. **Indian J Physiol Pharmacol** 1985 Apr–Jun;29(2):96–102
Effect of acclimation to caging on nephrotoxic response of rats to uranium. Damon EG, et al. **Lab Anim Sci** 1986 Feb; 36(1):24–7

URANYL NITRATE see under URANIUM

URATE OXIDASE

Immobilization of uricase on protamine bound to glass beads and its application to determination of uric acid. Nakamura N, et al. **Anal Biochem** 1986 Feb 1;152(2):386–90
Comments on the uricase/peroxidase—phenol—4—aminoantipyrine reaction [letter] Pachla LA, et al. **Clin Chem** 1986 Jan;32(1 Pt 1):233–4

ANALYSIS

Ultrastructural cytochemical localization of uricase in peroxisomes of rat liver. Angermüller S, et al. **J Histochem Cytochem** 1986 Feb;34(2):159–65

ANTAGONISTS & INHIBITORS

Inhibition of uricase by pyrimidine and purine drugs. Hurst DT, et al. **Clin Biochem** 1985 Aug;18(4):247–51

BLOOD

Urate oxidase encapsulated in erythrocytes. Sprandel U. **Adv Exp Med Biol** 1986;195 Pt A:417–23

IMMUNOLOGY

Studies on antigenicity of the polyethylene glycol (PEG)-modified uricase. Tsuji J, et al. **Int J Immunopharmacol** 1985;7(5):725–30

ISOLATION & PURIFICATION

Uricase from fish liver: isolation and some properties. Kinsella JE, et al. **Comp Biochem Physiol [B]** 1985; 82(4):621–4

THERAPEUTIC USE

[Clinical experience with a new uricolytic agent] Alessandri C, et al. **Recenti Prog Med** 1986 Mar;77(3):147–8 (Eng. Abstr.) **(Ita)**

URBAN DEVELOPMENT see URBAN RENEWAL

URBAN HEALTH see under HEALTH

URBAN POPULATION

An epidemiological survey of psoriasis in the greater Helsinki area. Könönen M, et al. **Acta Derm Venereol [Suppl] (Stockh)** 1986;124:1–10
Risk factors affecting the occurrence of acute otitis media among 2–3-year-old urban children. Pukander J, et al. **Acta Otolaryngol (Stockh)** 1985 Sep–Oct;100(3–4):260–5
Pathways to heroin abstinence: a longitudinal study of urban black youth. Brunswick AF, et al. **Adv Alcohol Subst Abuse** 1986 Spring;5(3):111–35
Natural experiments and the educational context: the environment and effects of an alternative inner-city public school on adolescents. Trickett EJ, et al. **Am J Community Psychol** 1985 Dec;13(6):617–43
Detoxification recidivism among urban American Indian alcoholics. Kivlahan DR, et al. **Am J Psychiatry** 1985 Dec; 142(12):1467–70
The nutritional status and feeding practices among sick urban pre-school children admitted to a major hospital in Accra, Ghana. Commey JO, et al. **Ann Trop Paediatr** 1985 Sep; 5(3):131–6
Imported malaria in Paris. Coulaud JP. **Arch Roum Pathol Exp Microbiol** 1985 Jul–Sep; 44(3):239–46
Aspects of the dysentery evolution in the territory surveilled by the Sanitary-Antiepidemic Center of B Municipality—Laboratory No 2 (Administrative District 2 and 3) after the introduction of the dysentery vaccination. Petrescu R, et al. **Arch Roum Pathol Exp Microbiol** 1984 Jul–Dec;43(3–4):341–9
Epidemiology of acute otitis media in children in an urban population. Ingvarsson L, et al. **Acta Nasus Laryngol** 1985; 12 Suppl 1:S105–7
Urbanization, nutritive status, and food habits in the Spanish population. Varela G, et al. **Bibl Nutr Dieta** 1985;(36):55–71
'Inner city Britain: a challenge for the dental profession' [letter] Hogan JI. **Br Dent J** 1985 Sep 21;159(6):171
Changes in the population aged over 75 of an urban general practice: implications for screening. Graham H, et al. **Br Med J [Clin Res]** 1986 Feb 15;292(6518):453–4
Provision of first contact care out of hours in four urban areas in England. Williams BT, et al. **Br Med J [Clin Res]** 1985 Dec 14;291(6510):1689–92
Drugs and homicide. McBride DC, et al. **Bull NY Acad Med** 1986 Jun;62(5):497–508
Patterns of homicide victimization in the city of Los Angeles, 1970–79. Mercy JA, et al. **Bull NY Acad Med** 1986 Jun; 62(5):427–45
The contribution of homicide to the decline of American cities. Sampson RJ. **Bull NY Acad Med** 1986 Jun; 62(5):562–9
Homicide in New York City. Tardiff K, et al. **Bull NY Acad Med** 1986 Jun;62(5):413–26
Differences in total tooth extraction between an urban and a rural area in the Netherlands. Bouma J, et al. **Community Dent Oral Epidemiol** 1986 Jun;14(3):181–3
Dental caries prevalence amongst 12-year-old urban children in East Africa. Frencken J, et al. **Community Dent Oral Epidemiol** 1986 Apr;14(2):94–8
Prevalence of caries, plaque and gingivitis in an urban and rural Tanzanian child population. Frencken JE, et al. **Community Dent Oral Epidemiol** 1986 Jun;14(3):161–4
Caries levels and patterns in head start children in fluoridated and non-fluoridated, urban and non-urban sites in Ohio, USA. Johnsen DC, et al. **Community Dent Oral Epidemiol** 1986 Aug;14(4):206–10
Prevalence of mandibular dysfunction in an urban population in Hungary. Szentpétery A, et al. **Community Dent Oral Epidemiol** 1986 Jun;14(3):177–80
Bowel function in an urban black African population. Oettlé GJ, et al. **Dis Colon Rectum** 1985 Oct;28(10):717–20
Alcohol consumption during pregnancy among Southern city women. Stephens CJ. **Drug Alcohol Depend** 1985 Sep; 16(1):19–29
Epidemiology of epilepsy in urban areas of the People's Republic of China. Li SC, et al. **Epilepsia** 1985 Sep–Oct; 26(5):391–4
Multiple admissions to an urban psychiatric center: a comparative study. Carpenter MD, et al. **Hosp Community Psychiatry** 1985 Dec;36(12):1305–8
Dental occlusal variation among rural and urban Bengali youths. Corruccini RS, et al. **Hum Biol** 1986 Feb;58(1):61–6
A re-evaluation of urban vs rural as ways of life: implications for health educators. Falck VT. **Hygie** 1985 Dec;4(4):40–4
Rural-urban differentials in fertility of south Indian women. Rao PS, et al. **Indian J Med Res** 1986 Apr;83:401–3
Morbidity pattern of adolescents in an urban community. Shrivastava U, et al. **Indian Pediatr** 1985 Oct;22(10):753–6
Lead content in abortion material from urban women in early pregnancy. Borella P, et al. **Int Arch Occup Environ Health** 1986;57(2):93–9
Environmental setting and early drug involvement among inner-city junior high school youths. Dembo R, et al. **Int J Addict** 1985 Aug;20(8):1239–55
A causal analysis of early drug involvement in three inner-city neighborhood settings. Dembo R, et al. **Int J Addict** 1985 Aug;20(8):1213–37
Urban climate from the viewpoint of atmospheric environment. Kawamura T. **Int J Biometeorol** 1985;29 Suppl 2:138–47
The biometeorology of urbanization and housing in developing countries. Landsberg HE. **Int J Biometeorol** 1984;28 Suppl:191–8
Urban dog rabies endemicity and dog physiology. Narayan KG. **Int J Zoonoses** 1985 Mar;12(1):22–7
Urban patterns of psychiatric hospitalization in Israel 1972–1976. Ellencweig AY. **Isr J Psychiatry Relat Sci** 1985; 22(3):173–83
Central auditory processing in urban black children: a normative study. Windham R, et al. **J Dev Behav Pediatr** 1986 Feb;7(1):8–13
A study of urinary sodium and potassium excretion rates among urban and rural Zulus and Indians. Hoosen S, et al. **J Hypertens** 1985 Aug;3(4):351–8
Free falls from heights: a persistent urban problem. Ramos SM, et al. **J Natl Med Assoc** 1986 Feb;78(2):111–5
A comparison by ethnic group and city of the criminal activities of narcotic addicts. Nurco DN, et al. **J Nerv Ment Dis** 1986 Feb;174(2):112–6
Epidemiology of motor vehicle accidents in Jeddah. Bener A, et al. **J R Soc Health** 1985 Dec;105(6):200–1
Drug hoarding in a Jerusalem community. Slater PE, et al. **J R Soc Health** 1986 Jun;106(3):87–9
Obtaining best value for money in nutrition: an emerging new priority for the urban poor. Reichenheim M, et al. **J Trop Pediatr** 1986 Apr;32(2):93–6
Some aspects of child health in an urban township Lusaka. Watts TK. **J Trop Pediatr** 1986 Apr;32(2):52–6
Sex education in the inner city. Learning and retention. Benson MD, et al. **JAMA** 1986 Jan 3;255(1):43–7
Urban-rural difference in the trend of colo-rectal cancer mortality with special reference to the subsites of colon cancer in Japan. Tajima K, et al. **Jpn J Cancer Res** 1985 Aug;76(8):717–28
The prevalence of retained testes in Dunedin. Simpson AS, et al. **NZ Med J** 1985 Sep 11;98(786):758–60
Factors related to early termination of breast-feeding in an urban population. Feinstein JM, et al. **Pediatrics** 1986 Aug; 78(2):210–5
Personal and ambient factors in cancer causation in an urban population. Dayal H, et al. **Prog Clin Biol Res** 1986; 216:229–36
Metropolitan elderly out-migration in Canada, 1971–1976. Characterization and explanation. Liaw KL, et al. **Res Aging** 1986 Jun;8(2):201–31

The foot shape of school girls and female farm workers in northern Kyushu. Hojo T, et al.
Sangyo Ika Daigaku Zasshi 1985 Sep 1;7(3):265–8

Peroxybenzoylnitrate: measurements in smog chambers and in urban air. Fung K, et al. **Sci Total Environ** 1985 Nov; 46:29–40

Measurements of alkyllead compounds in the gas and aerosol phase in urban and rural atmospheres. Harrison RM, et al. **Sci Total Environ** 1985 Sep;44(3):235–44

Sources of lead in urban dust: identification of a contribution from newspaper printworks. Jensen RA, et al.
Sci Total Environ 1985 Nov;46:19–27

Differences in symptomatology and social adjustment between urban and rural schizophrenics. Chu CC, et al. **Soc Psychiatry** 1986;21(1):10–4

Smoking among urban Malaysian school children. Thambypillai V. **Soc Sci Med** 1985;21(7):819–23

Effects of women's education on postpartum practices and fertility in urban Nigeria. Oni GA. **Stud Fam Plann** 1985 Nov–Dec;16(6 Pt 1):321–31

Contraceptive prevalence in the slums of Rio de Janeiro. Wawer MJ, et al. **Stud Fam Plann** 1986 Jan–Feb;17(1):44–52

The prevalence of suicidal behaviors, attitudes and associated social experiences in an urban population. Ramsay R, et al. **Suicide Life Threat Behav** 1985 Fall;15(3):151–67

Harvard Air Pollution Health Study in six cites in the U.S.A. Spengler JD, et al. **Tokai J Exp Clin Med** 1985 Aug; 10(4):263–86

[Risk factors of developing cervical cancer in workers and employees of the city of Sofia] Tsekov V, et al.
Akush Ginekol (Sofiia) 1985;24(5):50–5 (Eng. Abstr.) **(Bul)**

[The campaign against leprosy in an urban African environment: problems encountered at the level of case-finding and of monitoring of patients in Dakar] Millan J, et al. **Acta Leprol (Geneve)** 1986 Jan–Mar;(100):5–17 (Eng. Abstr.) **(Fre)**

[Risk of rehospitalization of schizophrenic patients: urban versus rural areas] Angermeyer MC, et al. **Nervenarzt** 1986 Jul;57(7):391–7 **(Ger)**

[Psychosocial services of the city of Herne 1980–1984] Brandenburg A, et al. **Off Gesundheitswes** 1985 Oct; 47(10):519–23 **(Ger)**

[Suicide in urban and rural areas] Buser K, et al.
Off Gesundheitswes 1986 Jan;48(1):8–14 (Eng. Abstr.) **(Ger)**

[Cancer mortality in the Thurgau canton 1970 and 1980 with a comparison between urban and rural areas] Hardmeier T, et al. **Schweiz Med Wochenschr** 1986 May 24; 116(21):707–13 (Eng. Abstr.) **(Ger)**

[Short report on the number of DMF teeth among 45-year-old residents of Zurich] Curilović Z.
Schweiz Monatsschr Zahnmed 1985 Nov;95(11):1064–5 (Eng. Abstr.) **(Ger)**

[Treatment status and caries recurrence since school days compared to personality and life style. A study of 15- to 25-year-old patients at the National Dental Clinic, Zürich] Magri F, et al. **Schweiz Monatsschr Zahnmed** 1986 Jul; 96(7):844–60 (Eng. Abstr.) **(Ger)**

[Demographic and social characteristics of patients with Crohn disease in an urban area. A study with neighborhood hospital controls] Balzer K, et al. **Z Gastroenterol** 1985 Jul; 23(7):347–54 (Eng. Abstr.) **(Ger)**

[A model of a sociologically oriented study on noise stress of an urban population] Wölke G, et al.
Z Gesamte Hyg 1985 Jul;31(7):391–4 (Eng. Abstr.) **(Ger)**

[Mineralization of refuse from medical consulting rooms and municipal refuse in a model landfill] Filip Z, et al.
Zentralbl Bakteriol Mikrobiol Hyg [B] 1985 Dec; 181(6):556–62 (Eng. Abstr.) **(Ger)**

[Body weight at birth and neonatal mortality in Palermo for the years 1971, 1977, 1982] Priolisi A, et al.
Minerva Pediatr 1986 Jul 31;38(13–14):513–22 (Eng. Abstr.) **(Ita)**

[Correlations between morbidity, hospitalization and mortality and environmental factors] Krzyżanowski M, et al. **Przegl Lek** 1985;42(12):779–83 (Eng. Abstr.) **(Pol)**

[Arterial hypertension in the population in the districts of the city of Iaşi. Its prevalence, economic implications and control (prevention)] Ruginã-Dodea M.
Rev Med Chir Soc Med Nat Iasi 1984 Jan–Mar;88(1):99–103 (Eng. Abstr.) **(Rum)**

[Clinical aspects and the socio-occupational rehabilitation of schizophrenics in the Romanian capital] Alexandrescu L, et al. **Rev Med Interna [Neurol Psihiatr]** 1985 Apr–Jun; 30(2):105–24 **(Rum)**

[Comparative study of diffuse intimal thickening of the coronary arteries in infants in the 1st year of life in Moscow, Frunze and Yakutsk] Sultanaliev AA. **Arkh Patol** 1986; 48(4):38–44 (Eng. Abstr.) **(Rus)**

[Population genetics study of the differential fertility in urban populations] Kucher AN, et al. **Genetika** 1986 Feb; 22(2):304–11 (Eng. Abstr.) **(Rus)**

[Epidemiological characteristics of echinococcosis in the population centers of the Yakutsk ASSR with different types of water supply] Martynenko VB, et al.
Med Parazitol (Mosk) 1986 May–Jun;(3):11–4 (Eng. Abstr.) **(Rus)**

[Outbreak of trichinelliasis in Tuapse and the socioeconomic loss it caused] Tverdokhlebova TI, et al.
Med Parazitol (Mosk) 1985 Sep–Oct;(5):61–4 (Eng. Abstr.) **(Rus)**

[Organization of the detection and treatment of ocular pathology in preschool children under the annual outpatient care in Moscow] Kovalevskiĭ EI, et al.
Oftalmol Zh 1986;(1):1–5 (Eng. Abstr.) **(Rus)**

[Urban morbidity from bronchial asthma] Shoniia ShA, et al. **Sov Zdravookhr** 1986;(7):25–6 (Eng. Abstr.) **(Rus)**

[Periodontal status of Moscow schoolchildren] Grudianov AI, et al. **Stomatologiia (Mosk)** 1985 Nov–Dec;64(6):16 **(Rus)**

[Results of using Vitafluor for dental caries prevention in 1st graders in Brest] Petrushko OE, et al.
Stomatologiia (Mosk) 1985 May–Jun;64(3):84–5 **(Rus)**

[Current problems of organizing dental care for the pupils of vocational and technical schools in a large city] Poliakov IV, et al. **Stomatologiia (Mosk)** 1986 May–Jun;65(3):75–6 **(Rus)**

[Seasonal and circadian exacerbations of ischemic heart disease and their prognosis under the regional conditions of Tashkent] Iuldashev KIu, et al. **Ter Arkh** 1986;58(1):43–5 **(Rus)**

[Myocardial infarct morbidity among men and women in Krasnoyarsk from the viewpoint of age] Ivanov AG.
Ter Arkh 1986;58(1):48–51 (Eng. Abstr.) **(Rus)**

[Population research on ischemic heart disease in middle-aged men in Tashkent] Makhmudov BKh.
Ter Arkh 1986;58(1):40–3 (Eng. Abstr.) **(Rus)**

[Ischemic heart disease, arterial pressure and the lipid composition of the blood in men over 80 in Leningrad (epidemiological survey data)] Mirer GI, et al.
Ter Arkh 1985;57(11):52–5 (Eng. Abstr.) **(Rus)**

[Effect of meteorological and heliogeophysical factors on the acute pneumonia morbidity of the adult population of Arkhangelsk in 1981–1983] Spivak MIa, et al. **Ter Arkh** 1986;58(1):91–3 **(Rus)**

[Comparative characteristics of an urban and a rural population according to the basic risk factors for ischemic heart disease (epidemiological study data on men and women 40 to 59 living in Urgench District, Uzbek SSR)] Tursunov SIu, et al. **Ter Arkh** 1985;57(11):55–9 **(Rus)**

[Efficacy of preventing injuries and the treatment results in penetrating eye wounds in Moscow children] Kovalevskiĭ EI, et al. **Vestn Oftalmol** 1986 May–Jun;102(3):51–5 (Eng. Abstr.) **(Rus)**

[Characteristics of the 1983 influenza epidemic in Dushanbe] Fedorova GI, et al. **Vopr Virusol** 1985 Nov–Dec; 30(6):741–3 **(Rus)**

[Efficacy of a complex program for controlling influenza in a large industrial city] Koza NM, et al.
Zh Mikrobiol Epidemiol Immunobiol 1985 Aug;(8):36–8 (Eng. Abstr.) **(Rus)**

[Gastroenteritis of a nonbacterial nature in Sverdlovsk children] Zakirova SF, et al.
Zh Mikrobiol Epidemiol Immunobiol 1985 Dec;(12):27–30 (Eng. Abstr.) **(Rus)**

URBAN RENEWAL

see related
HOUSING

Urban development and road safety. Henning-Hager U.
Accid Anal Prev 1986 Apr;18(2):135–45

Neighborhood revitalization and racial change: the case of Washington, D.C. Lee BA, et al. **Demography** 1985 Nov; 22(4):581–602

Mites from the city pavement. Samšiňák K, et al.
Zentralbl Bakteriol Mikrobiol Hyg [B] 1985 Jun; 181(1–2):132–8

[Development of hygiene in urban construction in East Germany 1970 to 1986] Petzold H. **Z Gesamte Hyg** 1985 Jul;31(7):387–90 (Eng. Abstr.) **(Ger)**

URBANIZATION

Mouth breathing, occlusion, and modernization in a north Indian population. An epidemiologic study. Corruccini RS, et al. **Angle Orthod** 1985 Jul;55(3):190–6

Cancer mortality and urbanization in China. Haynes R.
Int J Epidemiol 1986 Jun;15(2):268–71

Urbanization, industrialization, smoking and lung cancer in Europe, 1955–1974. Ioannidis PJ, et al. **Med Law** 1985; 4(5):409–24

Effects of rapid urbanization on child behaviour and health in a part of Khartoum, Sudan—I. Socio-economic changes 1965–1980. Cederblad M, et al. **Soc Sci Med** 1986; 22(7):713–21

Effects of rapid urbanization on child behaviour and health in a part of Khartoum, Sudan—II. Psycho-social influences on behaviour. Rahim SI, et al. **Soc Sci Med** 1986; 22(7):723–30

Further observations on social factors associated with duodenal ulcer in Soweto. Segal I, et al. **Soc Sci Med** 1986; 23(4):417–22

[Urban growth and disease: schistosomiasis in the municipality of São Paulo (Brazil)] da Silva LJ.
Rev Saude Publica 1985 Feb;19(1):1–7 (Eng. Abstr.) **(Por)**

[Preventive health inspection of the development of planning and building designs for rural population centers] Shendrakov OA, et al. **Gig Sanit** 1986 Jun;(6):72 **(Rus)**

HISTORY

Migration patterns during Italian urbanization, 1865–1921. Hogan DP, et al. **Demography** 1985 Aug;22(3):309–25

[Ujpest in the service of the Hungarian Settlement movement] Fleischmann M. **Orv Hetil** 1986 Mar 9; 127(10):587–9 **(Hun)**

UREA

see related
BLOOD UREA NITROGEN

Urea myoclonus: possible involvement of glycine. Chung EY, et al. **Adv Neurol** 1986;43:565–8

Urea-induced stimulus-sensitive myoclonus in the rat. Muscatt S, et al. **Adv Neurol** 1986;43:553–63

The orotic acid concentration in the blood, milk, and urine of dairy cows fed with urea supplemented diet. Motyl T, et al. **Arch Tierernahr** 1986 Jun;36(6):551–6

Some attempts to improve the nutritive value of urea for dairy cows. 3. Its adjunction to fermentable carbohydrates: starea. Teller E, et al. **Arch Tierernahr** 1986 Jun; 36(6):541–50

Interactions of myoglobin with urea and some alkylureas. I. Solvation in urea and alkylurea solutions. Zerovnik E, et al. **Biophys Chem** 1986 Jun;24(1):53–9

Effects of dextran on five biuret-based procedures for total protein in serum. Barnes DB, et al. **Clin Chem** 1985 Dec; 31(12):2018–9

Optimized production of high specific activity [11C]urea. Emran AM, et al. **Int J Appl Radiat Isot** 1985 Sep; 36(9):739–40

ADMINISTRATION & DOSAGE

Performance of dairy cows offered isonitrogenous diets containing urea or fishmeal in early and in mid-lactation. Oldham JD, et al. **Br J Nutr** 1985 Mar;53(2):337–45

Treatment and prevention of sickle-cell crisis [letter]
Lancet 1971 Dec 4;2(7736):1255–6

[Selective arterial catheterization and urea injection treatment of huge cavernous hemangiomas] Wang XZ, et al.
Chung Hua Wai Ko Tsa Chih 1985 Jun;23(6):367–8, 383 (Eng. Abstr.) **(Chi)**

[Utilization of urea nitrogen in young calves] Jagoš P, et al. **Vet Med (Praha)** 1986 Mar;31(3):141–7 (Eng. Abstr.) **(Cze)**

[Therapeutic activity of a hydrocortisone-carbamide (urea) combination in hyperkeratotic and/or desquamative dermatitis] Petruzzellis V, et al.
G Ital Dermatol Venereol 1985 Jul–Aug;120(4):XXXV–XL (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Urea formaldehyde foam insulation: defusing a timebomb. Fox EM. **Am J Law Med** 1985;11(1):81–104

Exposure to formaldehyde: relationship to respiratory symptoms and function. Bracken MJ, et al.
Can J Public Health 1985 Sep–Oct;76(5):312–6

Respiratory function of children in homes insulated with urea formaldehyde foam insulation. Norman GR, et al.
Can Med Assoc J 1986 May 15;134(10):1135–8

Science, public policy and media disease [editorial] Norman GR. **Can Med Assoc J** 1986 Apr 1;134(7):719–20

Health effects of urea formaldehyde foam insulation: evidence of causation. Norman GR, et al.
Can Med Assoc J 1986 Apr 1;134(7):733–8 (49 ref.)

Scleroderma, renal failure and death associated with exposure to urea formaldehyde foam insulation [letter] Rush PJ, et al. **J Rheumatol** 1986 Apr;13(2):475–6

[Clinical observations on 76 children exposed to urea-formaldehyde insulation foam (letter)] Gagnon NB.
Union Med Can 1985 Nov;114(11):941–2 **(Fre)**

[Hygienic characteristics of the working conditions for workers in the large-tonnage manufacture of carmabide] Rumiantsev GI, et al. **Gig Sanit** 1986 Apr;(4):85–6 **(Rus)**

ANALOGS & DERIVATIVES

Harmine-, LON-954- and 5-hydroxytryptophan-induced tremors in rats withdrawn from ethanol. Gothóni P.
Acta Pharmacol Toxicol (Copenh) 1985 Jul;57(1):40–6

Axonal transport in the motor neurons of rats with neuropathy induced by p-bromophenylacetylurea. Nagata H, et al. **Ann Neurol** 1986 May;19(5):458–64

Quinuronium levels in ovine plasma as determined by an in vitro/in vivo system with Babesia rodhaini. Mitema ES.
Arch Int Pharmacodyn Ther 1985 Jul;276(1):12–6

Interactions of myoglobin with urea and some alkylureas. I. Solvation in urea and alkylurea solutions. Zerovnik E, et al. **Biophys Chem** 1986 Jun;24(1):53–9

Nitrosation of 1-phenyl-3-(pyridylmethyl)ureas and the reactivity of two nitrosated isomers. Miyahara M, et al.
Chem Pharm Bull (Tokyo) 1986 Mar;34(3):980–5

Imidazolidinyl urea dermatitis. Dooms-Goossens A, et al.
Contact Dermatitis 1986 May;14(5):322–4

Reactions to Quaternium 15, Bronopol and Germall 115 in a standard series. Ford GP, et al. **Contact Dermatitis** 1986 May;14(5):271–4

Elevated serum creatinine levels in three patients treated with phenacemide. Duggan E, et al. **Drug Intell Clin Pharm** 1986 Mar;20(3):225–8

Biological activity of polynoxylin—an insoluble urea-formaldehyde condensation product. Blenkharn JI.
J Clin Hosp Pharm 1985 Dec;10(4):367–72

Radioiodination of human calcitonin using the Iodogen reagent. Motté P, et al. **J Immunol Methods** 1986 Mar 13; 87(2):223–7

Iodogen-catalysed iodination of human calcitonin and Tyr(0)-katacalcin and purification of their mono- and di-iodinated derivatives by chromatofocusing. Woloszczuk W. **J Immunol Methods** 1986 Jun 10;90(1):1–6

Effect of an atypical barbiturate, the 2-allophanyl-2-allyl-4-valerolactore (valofan), on exploratory behaviour and brain serotonin concentrations in mice. Traversa U, et al. **J Pharmacol** 1985 Jul–Sep; 16(3):279–90

Unimpaired energy metabolism in experimental neuropathy induced by p-bromophenylacetylurea. Brimijoin S, et al. **Muscle Nerve** 1984 Nov–Dec;7(9):725–32

An improved iodogen method of labelling antibodies with 123I. Richardson AP, et al. **Nucl Med Commun** 1986 May; 7(5):355–62

Effect of urea–hydrogen peroxide on hypoxia in rabbits. Wu JN. **Respiration** 1985;48(4):303–9

Comparative studies of the effects of quinuronium sulfate and diminazene diaceturate in sheep. Mitema ES. **Vet Hum Toxicol** 1985 Dec;27(6):539–42

[Synthesis of carbonyl–bisamino acid derivatives as potential ACE inhibitors] Henklein P, et al. **Pharmazie** 1986 Jan; 41(1):56–7 (Ger)

[Comparison of the leukopoietic effect of NeyTumorin, NeyThymun and 2-cyanethyl-carbamide] von Ardenne M, et al. **Pharmazie** 1986 Apr;41(4):263–5 (Eng. Abstr.) (Ger)

[Extrelut column extraction for screening of drugs in biological materials by gas chromatography and gas chromatography–mass spectrometry—a fatal poisoning by ingestion of a drug containing acetaminophen, ethenzamide and bromvalerylurea] Okamoto I, et al. **Nippon Hoigaku Zasshi** 1985 Oct;39(5):386–91 (Eng. Abstr.) (Jpn)

[Relation of the toxicity of urea formaldehyde–based complex polymeric fertilizers to their structure] Danilov VB, et al. **Gig Tr Prof Zabol** 1986 Mar;(3):23–6 (Eng. Abstr.) (Rus)

ANALYSIS

The influence of renal papillary urea concentrations and of plasma vasopressin on the urinary prostaglandins E2 and F2 alpha excretion in conscious rats in steady state of urine formation. Bojesen E, et al. **Acta Physiol Scand** 1986 Feb; 126(2):279–88

Flow injection analysis for the determination of urea in cow's milk. Oltner R, et al. **Acta Vet Scand** 1985;26(3):396–404

Urea concentration in bulk milk as an indicator of the protein supply at the herd level. Refsdal AO, et al. **Acta Vet Scand** 1985;26(2):153–63

Urea concentration and ornithine decarboxylase in liver of female rats. Hitier Y, et al. **Am J Physiol** 1986 Apr;250(4 Pt 1):E377–80

Milk urea and protein content to diagnose energy and protein malnutrition of dairy cows. Kirchgessner M, et al. **Arch Tierernahr** 1986 Feb–Mar;36(2–3):192–7

The interaction of urea with the generic class of poly(2-hydroxyethyl methacrylate) hydrogels. Pinchuk L, et al. **J Biomed Mater Res** 1984 Jul–Aug;18(6):671–84

Liquid chromatographic determination of urea and ammonia in body fluids using a post-column enzymatic reactor. Jansen H, et al. **J Chromatogr** 1986 May 28;378(1):215–21

Simple fluorometric ultramicroassay for urea in tubular fluid of the kidney. Leng L, et al. **Pflugers Arch** 1986 Jun; 406(6):648–50

Determination of milk urea by flow injection analysis. Andersson G, et al. **Zentralbl Veterinarmed [A]** 1986 Jan; 33(1):53–8

[Amniotic uric acid and urea in the last trimester of pregnancy] Matýlek P, et al. **Cesk Gynekol** 1985 Dec; 50(10):739–41 (Cze)

[Determination of the urea content of milk in general practice] Gfrörer F, et al. **Tierarztl Prax** 1985;13(4):559–63 (Eng. Abstr.) (Ger)

[Synthesis of diacetylmonoxime, a reagent for measuring urea in biological fluids] Cojocaru Z, et al. **Rev Med Chir Soc Med Nat Iasi** 1985 Oct–Dec;89(4):661–2 (Eng. Abstr.) (Rum)

[Urea and arginase activity in rat liver during the administration of thioacetamide] Feijóo B, et al. **Rev Esp Oncol** 1984;31(1):15–20 (Eng. Abstr.) (Spa)

BIOSYNTHESIS

The glutamine analog acivicin as antipyrimidine. Studies on the interrelationship between pyrimidine and urea synthesis in liver. Pausch J, et al. **Adv Enzyme Regul** 1985;24:233–43

Ureagenesis and pH homeostasis [letter] Atkinson DE. **Am J Physiol** 1986 Jun;250(6 Pt 2):F1128–30

Is urea formation regulated primarily by acid–base balance in vivo? Halperin ML, et al. **Am J Physiol** 1986 Apr;250(4 Pt 2):F605–12

Roles of urea production, ammonium excretion, and amino acid oxidation in acid–base balance. Mackenzie W. **Am J Physiol** 1986 Feb;250(2 Pt 2):F181–8 (26 ref.)

Decreased urea synthesis in cafeteria–diet–induced obesity in the rat. Barber T, et al. **Biochem J** 1985 Sep 15; 230(3):675–81

Inhibition of ureogenesis in isolated rat liver cells by a non-steroidal anti-inflammatory drug (butibufen). del Prado Miguez M, et al. **Biochem Pharmacol** 1986 Jul 1; 35(13):2145–8

Effect of improved hydrogen supply on energy state, ureogenesis and gluconeogenesis in isolated hepatocytes. Letko G, et al. **Biomed Biochim Acta** 1986;45(3):265–71

The effect of arginine vasopressin on ureagenesis in isolated rat hepatocytes. Drew PJ, et al. **Clin Sci** 1985 Aug; 69(2):231–3

Validation of a method for measuring the short-term rate of urea synthesis after an amino acid load. Kay JD, et al. **Clin Sci** 1986 Jan;70(1):31–8

Effects of chronic uraemia on the formation of glucose and urea plus ammonia from L-alanine, L-glutamine and L-serine in isolated rat hepatocytes. Klim RA, et al. **Clin Sci** 1986 Jun;70(6):627–34

Submitochondrial localization of arginase and other enzymes associated with urea synthesis and nitrogen metabolism, in liver of Squalus acanthias. Casey CA, et al. **Comp Biochem Physiol [B]** 1985;82(2):307–15

Control of urea production, glutamine release and ammonia uptake in the perfused rat liver by the sympathetic innervation. Ballé C, et al. **Eur J Biochem** 1986 Jul 1; 158(1):13–8

Hepatic urea synthesis and pH regulation. Role of CO2, HCO3–, pH and the activity of carbonic anhydrase. Häussinger D, et al. **Eur J Biochem** 1985 Oct 15; 152(2):381–6

Control of ammonia distribution ratio across the liver cell membrane and of ureogenesis by extracellular pH. Rémésy C, et al. **Eur J Biochem** 1986 Jul 15;158(2):283–8

Possible existence of two mechanisms involved in alpha 1-adrenergic action: effect of Sgd 101/75. García-Sáinz JA, et al. **Eur J Pharmacol** 1986 Jun 5;125(1):103–10

Urea synthesis in hepatocytes isolated from young and old rats. Kmieć Z, et al. **Exp Gerontol** 1985;20(5):271–5

Utilization of nitrogen from 15NH4Cl and [15N]alanine for urea synthesis in hepatocytes from fed and starved rats. Wiechetek M, et al. **Int J Biochem** 1986;18(7):653–7

Carbonic anhydrase: inhibition results in decreased urea production by hepatocytes. Dodgson SJ, et al. **J Appl Physiol** 1986 Feb;60(2):646–52

The capacity of urea–N synthesis as a quantitative measure of the liver mass in rats. Hansen BA, et al. **J Hepatol** 1986; 2(3):468–74

Effect of a maternal fast on the urea cycle enzymes of the ovine fetus. Lemons JA, et al. **J Pediatr Gastroenterol Nutr** 1986 Jan;5(1):138–42

Changes in the hepatic capacity of urea–N synthesis, galactose elimination and antipyrine clearance following 70% hepatectomy in the rat. Adel Hansen B, et al. **Scand J Clin Lab Invest** 1986 May;46(3):233–7

Liver pathology in a new congenital disorder of urea synthesis: N-acetylglutamate synthetase deficiency. Zimmermann A, et al. **Virchows Arch [A]** 1985; 408(2–3):259–68

[Gluconeogenesis, ketogenesis, and ureogenesis in isolated hepatocytes from diabetic rats: effects of insulin] Couderc R, et al. **Ann Nutr Metab** 1986;30(2):129–36 (Eng. Abstr.) (Fre)

BLOOD

High plasma urea concentrations in collodion babies. Beverley DW, et al. **Arch Dis Child** 1986 Jul;61(7):696–8

Control of red cell urea and water permeability by sulfhydryl reagents. Toon MR, et al. **Biochim Biophys Acta** 1986 Aug 21;860(2):361–75

Relation between red cell anion exchange and urea transport. Toon MR, et al. **Biochim Biophys Acta** 1985 Dec 19; 821(3):502–4

Age and/or sex differences of blood glucose and urea in school children. Sapigni T, et al. **Boll Soc Ital Biol Sper** 1985 Apr 30;61(4):627–32

Ammonia–nitrogen turnover in the rabbit caecum and exchange with plasma urea–N. Forsythe SJ, et al. **Br J Nutr** 1985 Jul;54(1):285–92

Measurement of urea as a side ward investigation. Faye SA, et al. **Br Med J [Clin Res]** 1986 Apr 19;292(6527):1048

Reference values for urea, creatinine and electrolytes in Zimbabwean males. Marima–Matarira HT. **Cent Afr J Med** 1985 Dec;31(12):235–7

Reference values for urea, creatinine and electrolytes in Zimbabwean females. Marima–Matarira HT. **Cent Afr J Med** 1986 Jan;32(1):21–2

Gaseous diffusion as a source of reagent carryover. Bailey IR, et al. **Clin Chem** 1986 Mar;32(3):563

Influence of vitamin B6 on age dependent changes in blood urea. Nirmal Kumar A, et al. **Indian J Exp Biol** 1985 Feb; 23(2):88–91

Simultaneous determination of serum uremic toxins, cations and anions and urea determination by post-column colorimetry using immobilized enzyme. Shintani H. **J Chromatogr** 1986 May 28;378(1):95–108

Urea/creatinine ratio and gastrointestinal haemorrhage [letter] **Lancet** 1986 Jul 12;2(8498):109

Urea/creatinine ratios, age, and gastrointestinal bleeding [letter] Dunstan EJ. **Lancet** 1986 Jun 7;1(8493):1327

Urea/creatinine ratio and gastrointestinal haemorrhage [letter] Snook J. **Lancet** 1986 Aug 16;2(8503):400

Value of a simple biochemical ratio in distinguishing upper and lower sites of gastrointestinal haemorrhage. Snook JA, et al. **Lancet** 1986 May 10;1(8489):1064–5

Interference in radioimmunoassay of human calcitonin by vitamin C and urea. Morimoto S, et al. **Med J Osaka Univ** 1985 Mar;35(3–4):77–82

Plasma concentration of urate, urea and creatinine in Nigerian primigravidae with pre-eclampsia. Egwuatu VE. **Trop Geogr Med** 1986 Mar;38(1):11–5

Canine trichinellosis: glucose, urea and total protein values. Moreno T, et al. **Wiad Parazytol** 1985;31(3):279–82

[Nitrogen metabolism in the large intestine of ruminants. 1. Metabolism of i.v. infused 15N–urea without additional carbohydrate supply to the large intestine] Bergner H, et al. **Arch Tierernahr** 1985 Oct;35(10):733–45 (Eng. Abstr.) (Ger)

[Effect of 20-kilometer running on biochemical indicators of the blood in trained and untrained students] Iurimiae TA, et al. **Fiziol Zh** 1986 Mar–Apr;32(2):227–30 (Eng. Abstr.) (Rus)

CEREBROSPINAL FLUID

Post-mortem oxypurine concentrations in the CSF. Manzke H, et al. **Adv Exp Med Biol** 1986;195 Pt A:587–91

DIAGNOSTIC USE

Urea reflection coefficient for the human red cell membrane. Chasan B, et al. **Biochim Biophys Acta** 1985 Nov 21; 821(1):56–62

METABOLISM

Pyruvate–carboxylase deficiency with urea cycle impairment. Greter J, et al. **Acta Paediatr Scand** 1985 Nov;74(6):982–6

15N tracer investigations of the physiological availability of urea nitrogen in mother's milk. Heine W, et al. **Acta Paediatr Scand** 1986 May;75(3):439–43

Synthesis, intracellular transport and processing of mitochondrial urea cycle enzymes. Mori M, et al. **Adv Enzyme Regul** 1983;21:121–32

Disk method for measuring effects of neurohypophysial hormones on urea permeability of toad bladder. Eggena P. **Am J Physiol** 1986 Jan;250(1 Pt 1):E31–4

Radiation inactivation studies of renal brush border water and urea transport. Verkman AS, et al. **Am J Physiol** 1985 Dec;249(6 Pt 2):F806–12

Kinetics and product stoichiometry of ureolysis by human salivary bacteria and artificial mouth plaques. Sissons CH, et al. **Arch Oral Biol** 1985;30(11–12):781–90

On extent of ureagenesis and gluconeogenesis in ruminants with regards to the NPN diet. Barej W. **Arch Tierernahr** 1986 Feb–Mar;36(2–3):154–63

Urea utilization in the large intestine of sheep. Bergner H, et al. **Arch Tierernahr** 1986 Feb–Mar;36(2–3):212–6

Urea utilization in the large intestine of bulls. Bergner H, et al. **Arch Tierernahr** 1986 Feb–Mar;36(2–3):216–22

Studies on the secretion of amino acids and of urea into the gastrointestinal tract of pigs. 3. Secretion of urea determined by continuous intravenous infusion of 15N–urea. Bergner H, et al. **Arch Tierernahr** 1986 Jun; 36(6):479–90

Utilization of urea in pigs. Bock HD. **Arch Tierernahr** 1986 Feb–Mar;36(2–3):285–8

Utilization of urea in laying hens. Gruhn K, et al. **Arch Tierernahr** 1986 Feb–Mar;36(2–3):297–302

Protein supplement resistant against ruminal degradation as a factor improving utilization of urea in ruminant feeding. Krzemiński J, et al. **Arch Tierernahr** 1985 Jun;35(6):401–9

Postprandial quantitative kinetics of urea and ammonia nitrogen exchanges between the digestive tract and the portal blood in conscious pigs receiving a diet with or without urea. Rerat A, et al. **Arch Tierernahr** 1986 Feb–Mar;36(2–3):252–69

Some attempts to improve the nutritive value of urea for dairy cows. II. Its administration in a slightly soluble form: isobutylidene diurea (IBDU). Teller E, et al. **Arch Tierernahr** 1986 Apr–May;36(4–5):419–28

Adequacy of dialysis: marker molecules and kinetic modeling. Farrell PC. **Artif Organs** 1986 Jun;10(3):195–200

Target analysis studies of red cell water and urea transport. Dix JA, et al. **Biochim Biophys Acta** 1985 Dec 5; 821(2):243–52

Urea turnover and transfer to the digestive tract in the rabbit. Forsythe SJ, et al. **Br J Nutr** 1985 Jan;53(1):183–90

Evidence of inherited urea cycle defect in a case of fatal valproate toxicity. Hjelm M, et al. **Br Med J [Clin Res]** 1986 Jan 4;292(6512):23–4

Role of the main mandibular excretory duct in salivary excretion of urea in dogs. Watanabe J, et al. **Chem Pharm Bull (Tokyo)** 1985 Jun;33(6):2483–9

Volume regulation in salt-acclimated toad (Bufo viridis): the role of urea and the urinary bladder. Katz U. **Comp Biochem Physiol [A]** 1986;84(3):505–9

Blood urea nitrogen and creatinine. Lyman JL. **Emerg Med Clin North Am** 1986 May;4(2):223–33 (39 ref.)

Urea excretion in sweat during short-term efforts of high intensity. Górski J, et al. **Eur J Appl Physiol** 1985; 54(4):416–9

Disorders of the urea cycle. Brusilow SW. **Hosp Pract [Off]** 1985 Oct 15;20(10):65–72

Total body fluid volume determination based on urea kinetics in hemofiltration as an index of basal body weight in uremic patients. Kimura G, et al. **Int J Artif Organs** 1986 May; 9(3):159–62

Plasma, rumen and urine pools in urea dilution determination

of body composition in cattle. Bartle SJ, et al. **J Anim Sci** 1986 Jul;63(1):77–82

Utilization by sheep of whole shelled corn impregnated with urea, calcium, potassium and sulfur. Koeln LL, et al. **J Anim Sci** 1985 Aug;61(2):495–503

Effects of water restriction on nitrogen metabolism and urea recycling in the macropodid marsupials Macropus eugenii (tammar wallaby) and Thylogale thetis (red-necked pademelon). Chilcott MJ, et al. **J Comp Physiol [B]** 1985; 155(6):759–67

Urea efflux from the Squalus acanthias pup: the effect of stress. Evans DH, et al. **J Exp Biol** 1985 Nov;119:375–9

Hydrosmotic salt effect in toad skin: urea permeability and glutaraldehyde fixation of water channels. Aboulafia J, et al. **J Membr Biol** 1985;87(3):249–52

Utilization of urea nitrogen in Papua New Guinea highlanders. Rikimaru T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1985 Jun;31(3):393–402

Differentiation of transient hyperammonemia of the newborn and urea cycle enzyme defects by clinical presentation. Hudak ML, et al. **J Pediatr** 1985 Nov;107(5):712–9

Role of mandibular striated duct in salivary excretion of urea in dogs. Watanabe J, et al. **J Pharmacobiodyn** 1986 Feb; 9(2):197–201

Urea hydrolysis in patients with Campylobacter pyloridis infection [letter] Marshall BJ, et al. **Lancet** 1986 Apr 26; 1(8487):965–6

15N transfer from 15N-urea and 15N-diammonium citrate into tissue proteins in normal cats fed with an optimal protein diet. Deguchi E. **Nippon Juigaku Zasshi** 1985 Dec; 47(6):995–8

Thymine glycols and urea residues in M13 DNA constitute replicative blocks in vitro. Ide H, et al. **Nucleic Acids Res** 1985 Nov 25;13(22):8035–52

Hepatic enzymes of glutamine and ureagenesis in metabolic acidosis. Welbourne TC, et al. **Proc Soc Exp Biol Med** 1986 Jul;182(3):399–403

Sodium chloride, water and urea handling in the rat renal medulla: a computer simulation. Barrett GL, et al. **Renal Physiol** 1986;9(4):223–40

Comparative studies of nicotinohydroxamic acid and neomycin on ammonia and urea metabolism in rats. Harada K, et al. **Res Commun Chem Pathol Pharmacol** 1985 Aug; 49(2):309–12

Comparison of urea kinetics and direct dialysis quantification in hemodialysis patients. Aebischer P, et al. **Trans Am Soc Artif Intern Organs** 1985;31:338–42

Examining the foundations of urea kinetics. Ilstrup K, et al. **Trans Am Soc Artif Intern Organs** 1985;31:164–8

Catalysts of the urea cycle. Jones ME. **Trans NY Acad Sci** 1983;41:77–82

[Quantitative measurement of postprandial exchanges of urea and ammonia nitrogen between the digestive tract and portal blood in the pig] Rérat A. **Bull Acad Natl Med (Paris)** 1986 Jan;170(1):47–54 (Eng. Abstr.) (Fre)

[Postprandial exchange of urea and ammonia nitrogen between the digestive tract and portal blood in the conscious pig after ingestion of a diet with or without urea] Rerat A. **C R Acad Sci [III]** 1986;302(15):561–6 (Eng. Abstr.) (Fre)

[Urea utilization in growing lambs. 3. Effect of urea and straw on carcass composition] Baumeier A, et al. **Arch Tierernahr** 1986 Jun;36(6):531–40 (Eng. Abstr.) (Ger)

[The utilization of 15N-labeled urea by the laying hen. 3. Incorporation of labeled nitrogen into the amino acids of the white and egg yolk] Gruhn K, et al. **Arch Tierernahr** 1986 Jan;36(1):55–69 (Eng. Abstr.) (Ger)

[Utilization of 15N marked urea by the laying hen. 2. Incorporation and metabolism of 15N for the synthesis of egg protein] Gruhn K, et al. **Arch Tierernahr** 1985 Nov; 35(11):791–8 (Eng. Abstr.) (Ger)

[Urea utilization of growing lambs. 2. Growth experiments] Hoffmann M, et al. **Arch Tierernahr** 1986 Apr–May; 36(4–5):455–65 (Eng. Abstr.) (Ger)

[Urea and the skin] Wohlrab W. **Schweiz Rundsch Med Prax** 1986 Feb 18;75(8):201–4 (Eng. Abstr.) (Ger)

[Effect of arginine on the arginase activity and urea content of the brain and liver of rats acclimating to cold] Krichevskaia AA, et al. **Biol Nauki** 1985;(9):33–6 (Eng. Abstr.) (Rus)

[Inborn metabolic errors due to disorders in the urea synthesis cycle] Kardošová A, et al. **Cesk Pediatr** 1986 Jan;41(1):31–3 (Slo)

PHARMACODYNAMICS

Discoupling of excitation–contraction processes by urea treatment of frog skeletal muscle. Gesztelyi I, et al. **Acta Physiol Hung** 1986;67(3):283–91

Tropomyosin's end-to-end polymerization is irreversibly lost on exposure to urea or cyanate. Graceffa P, et al. **Biochem Biophys Res Commun** 1986 Jan 14;134(1):64–70

Urea treatment allows dithiothreitol to release the binding subunit of the insulin receptor from the cell membrane: implications for the structural organization of the insulin receptor. Grunfeld C, et al. **Biochem Biophys Res Commun** 1985 Dec 17;133(2):389–96

Effects of urea and guanidine hydrochloride on the activity and dynamical structure of equine liver alcohol dehydrogenase. Strambini GB, et al. **Biochemistry** 1986 May 6;25(9):2471–6

A study of the selective inhibition by urea of neutrophil alkaline phosphatase isoenzymes. Vergnes HA, et al. **Enzyme** 1985;34(1):45–7

The kinetics of concurrent instantaneous and time dependent inhibition of alkaline phosphatase by urea and related compounds. Miggiano GA, et al. **Ital J Biochem** 1986 Jan–Feb;35(1):33–41

Effects of DNA and urea on the specificity for H1 histone of the neutral protease B partially-purified from rat liver chromatin. Tsurugi K, et al. **J Biochem (Tokyo)** 1986 Jan; 99(1):237–41

Evaluation of urea and dried whey in diets of cows during early lactation. Casper DP, et al. **J Dairy Sci** 1986 May; 69(5):1346–54

Exposure of binding sites for antibodies and concanavalin A on collagen by solubilization in hot urea. An immunoblot analysis. Marton LS, et al. **J Immunol Methods** 1986 Jul 24;91(2):187–94

The osmoprotective properties of urine for bacteria: the protective effect of betaine and human urine against low pH and high concentrations of electrolytes, sugars, and urea. Chambers S, et al. **J Infect Dis** 1985 Dec; 152(6):1308–16

Glycerolipid formation and PGE2 and PGF2 alpha production of rat renal papillae in vitro, the effects of urea. Bojesen IN. **Prostaglandins** 1985 Sep;30(3):479–89

[Urea—a survey with special consideration of its pharmaceutical application and analysis] Horsch W, et al. **Pharmazie** 1985 Oct;40(10):665–76 (100 ref.) (Ger)

SECRETION

Studies on the secretion of amino acids and of urea into the gastro intestinal tract of pigs. 1. Secretion of leucine into the stomach and upper part of the duodenum during continuous intravenous infusion of 14C-leucine. Simon O, et al. **Arch Tierernahr** 1986 Jan;36(1):5–16

Studies on the secretion of amino acids and of urea into the gastro intestinal tract of pigs. 2. Net secretion of leucine into the small and large intestines. Zebrowska T, et al. **Arch Tierernahr** 1986 Jan;36(1):17–24

THERAPEUTIC USE

Auditory dehydration testing: glycerol versus urea. Van de Water SM, et al. **Am J Otol** 1986 May;7(3):200–3

High plasma urea concentrations in collodion babies. Beverley DW, et al. **Arch Dis Child** 1986 Jul;61(7):696–8

The "chemo-laser" technique for the treatment of decorative tattoos: a more complete dye-removal procedure. Dismukes DE. **Lasers Surg Med** 1986;6(1):59–61

Effect of urea on endolymphatic hydrops in guinea pigs. Yazawa Y, et al. **ORL J Otorhinolaryngol Relat Spec** 1985; 47(6):281–7

[Short-term treatment of psoriasis vulgaris with dithranol with added urea] Taube KM, et al. **Dermatol Monatsschr** 1985;171(10):650–3 (Eng. Abstr.) (Ger)

[Use of a urea emulsion in the treatment of dry skin] Taube KM, et al. **Vestn Dermatol Venerol** 1986;(2):52–4 (Eng. Abstr.) (Rus)

[Clinical trial of a topical preparation containing urea, sunflower oil, evening primrose oil, wheat germ oil and sodium pyruvate, in several hyperkeratotic skin conditions] Ferrando J. **Med Cutan Ibero Lat Am** 1986;14(2):133–7 (Eng. Abstr.) (Spa)

TOXICITY

[Materials for deciding the maximum allowable concentration of carbamide in the air of the work zone] Kotova NI. **Gig Tr Prof Zabol** 1986 Mar;(3):43–4 (Rus)

URINE

The effects of captopril on serum digoxin and urinary urea and digoxin clearances in patients with congestive heart failure. Cleland JG, et al. **Am Heart J** 1986 Jul;112(1):130–5

The role of urea in albumin dimerisation in nephrotic urines. Birtwistle RJ, et al. **Clin Chim Acta** 1985 Sep 16;151(1):41–8

Comparison of 15N analysis by optical emission spectrometry and mass spectrometry for clinical studies during total parenteral nutrition. Ragon A, et al. **Clin Chim Acta** 1985 Sep 16;151(1):9–15

Effect of urea on the simple determination of delta-aminolevulinic acid in urine. Tomokuni K, et al. **Ind Health** 1985;23(4):295–7

A simple method for estimating nitrogen balance in hospitalized patients: a review and supporting data for a previously proposed technique. Mackenzie TA, et al. **J Am Coll Nutr** 1985;4(5):575–81 (38 ref.)

Massive azoturia and failure to achieve positive nitrogen balance in a botulism patient. Cashman MD, et al. **JPEN J Parenter Enteral Nutr** 1986 May–Jun;10(3):316–8

Urea nitrogen excretion in chair-adapted primates. Dempsey DT, et al. **JPEN J Parenter Enteral Nutr** 1986 Jul–Aug; 10(4):369–74

The urinary excretion of orotic acid and urea in dairy cows in early lactation. Motyl T. **Zentralbl Veterinarmed [A]** 1986 Mar;33(3):169–73

UREAPLASMA

Skene's gland calculi produced by a Ureaplasma urealyticum infection. Gellman AC, et al. **J Urol** 1986 Apr;135(4):786–8

Intrauterine infection with Ureaplasma urealyticum as a cause of fatal neonatal pneumonia. Quinn PA, et al. **Pediatr Infect Dis** 1985 Sep–Oct;4(5):538–43

Concrement formation in the urinary bladder in rats inoculated with Ureaplasma urealyticum. Grenabo L, et al. **Urol Res** 1985;13(4):195–8

CLASSIFICATION

Ureaplasma urealyticum serotypes in urinary tract disease. Hewish MJ, et al. **J Clin Microbiol** 1986 Jan;23(1):149–54

Serotypes of Ureaplasma urealyticum isolated from patients with nongonococcal urethritis and gonorrhea and from asymptomatic urethral carriers. Cricca E, et al. **Sex Transm Dis** 1985 Oct–Dec;12(4):219–23

CYTOLOGY

Light and electron microscopic studies on the attachment of Ureaplasma urealyticum to human leukemia cell. Chang MW, et al. **Hiroshima J Med Sci** 1985 Dec;34(4):455–8

DRUG EFFECTS

Ultrastructural changes in mollicutes induced by the peptide antibiotic herbicolin A. Birkelund S, et al. **Antimicrob Agents Chemother** 1986 Feb;29(2):371–3

In vitro activity of amifloxacin against Chlamydia trachomatis and Ureaplasma urealyticum [letter] Freeman S, et al. **Eur J Clin Microbiol** 1985 Oct;4(5):515–6

[Antibiotic sensitivity of ureaplasma of cattle] Pilaszek J, et al. **Arch Exp Veterinarmed** 1986 Jan;40(1):88–93 (Eng. Abstr.) (Ger)

[In vitro, activity of a new macrolide (RU 28965) against Chlamydia trachomatis and Ureaplasma urealyticum] Sambri V, et al. **G Ital Chemioter** 1985 Jan–Apr;32(1):175–6 (Eng. Abstr.) (Ita)

[Antimicrobial sensitivity of Ureaplasma urealyticum in vitro] Martinez MA, et al. **Rev Med Chil** 1985 Mar;113(3):220–4 (Eng. Abstr.) (Spa)

ENZYMOLOGY

Properties of urease from Ureaplasma urealyticum: kinetics, molecular weight, and demonstration of multiple enzyme isoelectric point forms. Eng H, et al. **Can J Microbiol** 1986 Jun;32(6):487–93

Endogenous activity of phospholipases A and C in Ureaplasma urealyticum. De Silva NS, et al. **J Clin Microbiol** 1986 Feb;23(2):354–9

Enzymes of intermediary carbohydrate metabolism in Ureaplasma urealyticum and Mycoplasma mycoides subsp. mycoides. Cocks BG, et al. **J Gen Microbiol** 1985 Sep;131 (Pt 9):2129–35

[Mycoplasma] Nakamura M. **Rinsho Byori** 1985 Aug; 33(8):898–904 (Jpn)

GENETICS

Dissemination of the tetM tetracycline resistance determinant to Ureaplasma urealyticum. Roberts MC, et al. **Antimicrob Agents Chemother** 1986 Feb;29(2):350–2

Genomic and phenotypic analyses of avian ureaplasma strains. Harasawa R, et al. **Nippon Juigaku Zasshi** 1985 Dec; 47(6):901–9

GROWTH & DEVELOPMENT

Ureaplasma infection of cell cultures. Kotani H, et al. **Infect Immun** 1986 May;52(2):437–44

IMMUNOLOGY

The use of ELISA for detection of antibodies against mycoplasmas and ureaplasmas in milk of mastitic cows. Jurmanová K, et al. **Arch Exp Veterinarmed** 1986 Jan; 40(1):67–74

ISOLATION & PURIFICATION

Genital mycoplasma colonization in neonatal girls. Iwasaka T, et al. **Acta Obstet Gynecol Scand** 1986;65(3):269–72

Ureaplasma urealyticum and upper urinary tract stones. Hedelin H, et al. **Br J Urol** 1984 Jun;56(3):244–9

Screening for Ureaplasma urealyticum infections in the neonate and the association with prematurity. Kimpen J, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Jun; 22(1–2):53–60

Recovery of microorganisms in semen and relationship to semen evaluation. Naessens A, et al. **Fertil Steril** 1986 Jan; 45(1):101–5

Ureaplasma urealyticum causing persistent urethritis in a patient with hypogammaglobulinaemia. Taylor-Robinson D, et al. **Genitourin Med** 1985 Dec;61(6):404–8

Ureaplasma urealyticum & its antibodies in non-gonococcal urethritis. Deodhar L, et al. **Indian J Med Res** 1986 Apr; 83:374–6

Evaluation of Mycotrim-GU for isolation of Mycoplasma species and Ureaplasma urealyticum. Wood JC, et al. **J Clin Microbiol** 1985 Nov;22(5):789–92

Chronic Ureaplasma urealyticum amnionitis associated with abruptio placentae. Foulon W, et al. **Obstet Gynecol** 1986 Aug;68(2):280–2

Hormonal status and mycoplasma colonization in the female genital tract. Iwasaka T, et al. **Obstet Gynecol** 1986 Aug; 68(2):263–6

Vaginal colonization with mycoplasma hominis and ureaplasma urealyticum. McCormack WM, et al. **Sex Transm Dis** 1986 Apr–Jun;13(2):67–70

[Incidence of Ureaplasma urealyticum and Mycoplasma hominis in persons examined for sterility] Vojtěchovský K, et al. **Cesk Gynekol** 1986 May;51(4):245–50 (Eng. Abstr.) **(Cze)**

[Prevalence of Mycoplasma hominis and Ureaplasma urealyticum in patients with impaired fertility] Schmidt U, et al. **Arch Exp Veterinarmed** 1986 Jan;40(1):128–35 (Eng. Abstr.) **(Ger)**

PATHOGENICITY

Significance of ureaplasma infection in infertility of turkeys. Stipkovits L, et al. **Arch Exp Veterinarmed** 1986 Jan; 40(1):103–4

The ovine mammary gland as an experimental model to determine the virulence of animal ureaplasmas. Ball HJ, et al. **J Hyg (Lond)** 1985 Oct;95(2):375–82

[Pathogenicity of Ureaplasma urealyticum] Bollmann R, et al. **Arch Exp Veterinarmed** 1986 Jan;40(1):115–20 (Eng. Abstr.) **(Ger)**

[Significance of Ureaplasma urealyticum and Clostridium difficile in nongonococcal urethritis] Katoh N. **Kansenshogaku Zasshi** 1985 Jul;59(7):687–700 (Eng. Abstr.) **(Jpn)**

UREASE

ADMINISTRATION & DOSAGE

[Activity of urease in microcapsules] Ristau O, et al. **Biomed Biochim Acta** 1985;44(7–8):1105–11 (Eng. Abstr.) **(Ger)**

ANALYSIS

A new Salmonella serotype Salmonella arizonae (28 : z : z10) with urease–positive character (a note). Kádár M, et al. **Acta Microbiol Hung** 1985;32(3):275–7

Properties of urease from Ureaplasma urealyticum: kinetics, molecular weight, and demonstration of multiple enzyme isoelectric point forms. Eng H, et al. **Can J Microbiol** 1986 Jun;32(6):487–93

[Various properties of urease encapsulated into liposomes] Zakrevskiĭ VI, et al. **Ukr Biokhim Zh** 1986 Jul–Aug; 58(4):31–5 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Acetohydroxamate, a urease inhibitor, inhibits the covalent binding reaction of complement proteins C3 and C4. Sim E, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Oct; 57(4):304–6

Urinary calculi: microbiological and crystallographic studies. Rosenstein IJ. **CRC Crit Rev Clin Lab Sci** 1986;23(3):245–77 (206 ref.)

Specific inhibition of urease by N–acylphosphoric triamides. Kobashi K, et al. **J Biochem (Tokyo)** 1985 Dec;98(6):1681–8

The inhibitory effect of human urine on urease–induced crystallization in vitro. Grenabo L, et al. **J Urol** 1986 Feb; 135(2):416–9

[Selection of parameters for thermal treatment of soybeans by enzyme inactivation] Gómez MH, et al. **Arch Latinoam Nutr** 1985 Mar;35(1):163–71 (Eng. Abstr.) **(Spa)**

BIOSYNTHESIS

A strain of urease–producing Vibrio parahaemolyticus isolated in Malaysia [letter] Jegathesan M, et al. **J Diarrhoeal Dis Res** 1985 Sep;3(3):162

ISOLATION & PURIFICATION

Nickel–content of urease from Bacillus pasteurii. Christians S, et al. **Arch Microbiol** 1986 Jun;145(1):51–5

The purification of urease from Aspergillus nidulans. Creaser EH, et al. **Int J Biochem** 1985;17(12):1339–41

Purification of a nickel–containing urease from the rumen anaerobe Selenomonas ruminantium. Hausinger RP. **J Biol Chem** 1986 Jun 15;261(17):7866–70

METABOLISM

Campylobacter pyloridis, urease, hydrogen ion back diffusion, and gastric ulcers. Hazell SL, et al. **Lancet** 1986 Jul 5;2(8497):15–7

Campylobacter pyloridis, urease, and gastric ulcers [letter] Hazell SL, et al. **Lancet** 1986 Sep 13;2(8507):626

Campylobacter pyloridis, urease, and gastric ulcers [letter] Rathbone BJ, et al. **Lancet** 1986 Aug 16;2(8503):400–1

[Epidemiologic significance of urease–positive yersiniae in anthropurgic foci of pseudotuberculosis] Kuznetsov VG, et al. **Voen Med Zh** 1986 Jan;(1):39–40 **(Rus)**

PHARMACODYNAMICS

The effects of urease in undiluted human urine. Hedelin H, et al. **J Urol** 1986 Sep;136(3):743–5

URECHOLINE see BETHANECHOL COMPOUNDS

UREMIA

IVth Capri Conference on Uremia. Capri, Italy, September 1983. **Kidney Int [Suppl]** 1985 Dec;17:S1–193

BLOOD

Platelet dysfunction in uremia. Multifaceted defect partially corrected by dialysis. Di Minno G, et al. **Am J Med** 1985 Nov;79(5):552–9

Can plasma concentration of middle molecules contribute to assessment of adequate dialysis treatment? Válek A, et al. **Artif Organs** 1986 Feb;10(1):37–44

Presence of 2–amino–3,8–dimethylimidazo [4,5–f]quinoxaline (MeIQx) in dialysate from patients with uremia. Yanagisawa H, et al. **Biochem Biophys Res Commun** 1986 Aug 14;138(3):1084–9

Defective platelet adhesion on vessel subendothelium in uremic patients. Castillo R, et al. **Blood** 1986 Aug; 68(2):337–42

Evidence against a platelet cyclooxygenase defect in uraemic subjects on chronic haemodialysis. Bloom A, et al. **Br J Haematol** 1986 Jan;62(1):143–9

Urinary and serum silicon in normal and uraemic individuals. Dobbie JW, et al. **Ciba Found Symp** 1986;121:194–213

Non–effect of uremia on analytical recovery of aluminum in serum. Mikkelsen DJ, et al. **Clin Chem** 1986 May; 32(5):896

Identification by nuclear magnetic resonance and mass spectrometry of a glucuronic acid conjugate of o–hydroxybenzoic acid in normal urine and uremic plasma. Monti JP, et al. **Clin Chem** 1985 Oct;31(10):1640–3

Intra–erythrocytic sodium in uremic patients, as determined by "high–resolution" 23Na nuclear magnetic resonance. Monti JP, et al. **Clin Chem** 1986 Jan;32(1 Pt 1):104–7

Fluorescent substances in uremic and normal serum. Shaykh M, et al. **Clin Chem** 1985 Dec;31(12):1988–92

Determination of indoxyl sulfate in plasma of patients with renal failure by use of ion–pairing liquid chromatography. Stanfel LA, et al. **Clin Chem** 1986 Jun;32(6):938–42

Guanidino compounds in uraemic dialysed patients. De Deyn P, et al. **Clin Chim Acta** 1986 Jun 15;157(2):143–50

Hormonal profile and serum zinc levels in uraemic men with gonadal dysfunction undergoing haemodialysis. Joven J, et al. **Clin Chim Acta** 1985 Jun 14;148(3):239–45

Bioactive luteinizing hormone in plasma of uraemic men and men with primary testicular damage. Handelsman DJ, et al. **Clin Endocrinol (Oxf)** 1986 Mar;24(3):259–66

A circulating Na+–K+ATPase inhibitor, erythrocyte sodium transport and hypertension in patients with chronic renal failure. Kariya K, et al. **Clin Exp Hypertens [A]** 1986; 8(2):167–83

Plasma vitamin E levels in a chronically hemolyzing group of dialysis patients. Cohen JD, et al. **Clin Nephrol** 1986 Jan;25(1):42–7

The usefulness of micro– and macrochromatographic determinations of glycohemoglobin in diabetic patients with nephropathy. Saloranta C, et al. **Clin Nephrol** 1986 Apr;25(4):186–92

Erythrocyte deformability in uremic hemodialyzed patients [letter] Zachee P, et al. **Clin Nephrol** 1986 Jun;25(6):315

Evaluation of equilibrium gel filtration chromatography for the study of protein binding of aluminum in normal and uremic sera. Bertholf RL, et al. **Clin Physiol Biochem** 1985; 3(5):271–6

Twenty–four hour hormonal and metabolic profiles in uraemic patients before and during treatment with continuous ambulatory peritoneal dialysis. Heaton A, et al. **Clin Sci** 1985 Oct;69(4):449–57

Hormonal abnormalities in renal transplantation. Bonomini V, et al. **Contrib Nephrol** 1985;49:70–7

Parathyroid hormone and hyperlipemia of uremia. Drüeke T, et al. **Contrib Nephrol** 1985;49:12–9

Kinetics of glycosylated haemoglobin in uraemia determined on ion–exchange and affinity chromatography: no increase in the rate of glycosylation. Wettre S, et al. **Diabetes Res** 1986 Feb;3(2):107–10

Glicentin 1–61 probably represents a major fraction of glucagon–related peptides in plasma of anaesthetized uraemic pigs. Baldissera FG, et al. **Diabetologia** 1986 Jul; 29(7):462–7

Changes in the adenyl system, the lactate and the pyruvate in patients with chronic nephritis and patients on hemodialysis. Pissanets M, et al. **Folia Med (Plovdiv)** 1985; 27(4):33–7

C4 uremic variant: an acquired C4 allotype. Welch TR, et al. **Immunogenetics** 1985;22(6):553–62

Chromatographic evaluation of perfusion on charcoal in uraemia. Laganà A, et al. **J Chromatogr** 1985 Dec 13; 345(2):251–8

Simultaneous determination of serum uremic toxins, cations and anions and urea determination by post–column colorimetry using immobilized enzyme. Shintani H. **J Chromatogr** 1986 May 28;378(1):95–108

Simultaneous determination of serum cations, anions and uremic toxins by ion chromatography using an immobilized enzyme. Shintani H, et al. **J Chromatogr** 1985 Nov 8; 344:145–56

Plasma pyridoxal 5'–phosphate concentrations in relation to apo–aminotransferase levels in normal, uraemic, and post–myocardial infarct sera. Gresner AM, et al. **J Clin Chem Clin Biochem** 1985 Oct;23(10):631–6

Molecular heterogeneity of circulating prolactin in chronic uremic men and renal transplant recipients. Rodríguez–Puyol D, et al. **J Clin Endocrinol Metab** 1986 Feb;62(2):352–6

Multiple immunoreactive forms of osteocalcin in uremic serum. Gundberg CM, et al. **J Clin Invest** 1986 Jun; 77(6):1762–7

Platelet dysfunction in uremia. II. Correction by arachidonic acid of the impaired exposure of fibrinogen receptors by adenosine diphosphate or collagen. Di Minno G, et al. **J Lab Clin Med** 1986 Sep;108(3):246–52

Possible mechanisms for reduced plasma clearance of diflunisal in rat experimental renal failure. Lin JH, et al. **J Pharmacol Exp Ther** 1986 Sep;238(3):978–84

Sodium transport in red blood cells from dialyzed uremic patients. Corry DB, et al. **Kidney Int** 1986 Jun; 29(6):1197–202

Hemodialysis membrane–induced activation of phagocyte oxidative metabolism detected in vivo and in vitro within microamounts of whole blood. Nguyen AT, et al. **Kidney Int** 1985 Aug;28(2):158–67

Predialysis BUN and creatinine do not predict adequate dialysis, clinical rehabilitation, or longevity. Avram MM, et al. **Kidney Int [Suppl]** 1985 Dec;17:S100–4

Effect of zinc supplementation on hyperprolactinaemia in uraemic men. Mahajan SK, et al. **Lancet** 1985 Oct 5; 2(8458):750–1

The role of metabolic acidosis in causing uremic hyperphosphatemia. Barsotti G, et al. **Miner Electrolyte Metab** 1986;12(2):103–6

Thyroglobulin and thyroid function in patients on regular hemodialysis [letter] Amado JA, et al. **Nephron** 1986; 43(2):160

Uremia and red blood cell sodium transport. Díez J, et al. **Nephron** 1986;43(2):155–7

Analysis of polymorphonuclear leukocyte respiratory burst activity in uremic patients using whole–blood chemiluminescence. Eckardt KU, et al. **Nephron** 1986; 43(4):274–8

Effects of hemodialysis on guanidinopropionic acid metabolism. Gurreri G, et al. **Nephron** 1986;42(4):295–7

DDAVP, cryoprecipitate, and highly 'purified' factor VIII concentrate in uremia. Juhl A. **Nephron** 1986;43(4):305–6

Serum antioxidant activity in uremic patients. Kuroda M, et al. **Nephron** 1985;41(3):293–8

Profiling of endogenous ligand solutes that bind to serum proteins in sera of patients with uremia. Mabuchi H, et al. **Nephron** 1986;43(2):110–6

Carbamylated plasma protein in renal failure. Oimomi M, et al. **Nippon Jinzo Gakkai Shi** 1986 Mar;28(3):269–71

Hemodialysis clearance of chloroquine in uremic patients. Akintonwa A, et al. **Ther Drug Monit** 1986;8(3):285–7

Effect of total drug concentration on the free fraction in uremic sera. Tiula E, et al. **Ther Drug Monit** 1986; 8(1):27–31

Studies on therapy of metabolic alkalosis during experimental uremia. Influences of arginine–hydrochloride on the intra– and extracellular acid–base status of the rat. Rothe KF, et al. **Urol Int** 1986;41(3):161–6

[Studies on platelet aggregation and 14C–serotonin release in patients with uremia] Kang ZQ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1985 Dec; 7(6):429–33 (Eng. Abstr.) **(Chi)**

[Behavior of the hypothalamo–hypophyseal unit to stimulation with arginine, GnRH and TRH in patients with chronic uremia] Rudolf K, et al. **Zentralbl Gynakol** 1985; 107(24):1510–9 (Eng. Abstr.) **(Ger)**

[Effects of uremic middle molecules on the activity of erythrocyte lactate dehydrogenase (LDH)] Severini G, et al. **Ann Ist Super Sanita** 1985;21(3):357–61 (Eng. Abstr.) **(Ita)**

[Assessment of the blood chemistry parameters in the oral cavity treatment of chronic uremic patients] Tarello F, et al. **Minerva Stomatol** 1985 Jul–Aug;34(4):657–64 (Eng. Abstr.) **(Ita)**

[Amino acids and CAPD] Bruno M, et al. **Minerva Urol Nefrol** 1986 Apr–Jun;38(2):205–10 (Eng. Abstr.) **(Ita)**

[Nutritional status and peritoneal dialysis: comparison between various hematochemical parameters in CAPD and IPD] della Volpe M, et al. **Minerva Urol Nefrol** 1986 Apr–Jun;38(2):201–3 (Eng. Abstr.) **(Ita)**

[Anemia of chronic renal failure: erythropoiesis and serum inhibitor(s) of erythroid progenitor cells in uremia] Urushiyama M, et al. **Rinsho Ketsueki** 1985 May; 26(5):668–73 (Eng. Abstr.) **(Jpn)**

[Middle–molecule toxins in the suppression of erythropoiesis] Ivanova VS, et al. **Gematol Transfuziol** 1986 Apr;31(4):9–12 (Eng. Abstr.) **(Rus)**

[Use of the determination of the blood serum levels of middle molecules for screening azotemia] Titel'man KM, et al. **Lab Delo** 1986;(3):143–5 (Eng. Abstr.) **(Rus)**

[Effect of 1–deamino–8–D–arginine vasopressin (DDAVP) on bleeding time in uremic patients] Alarcón F, et al. **Rev Med Chil** 1985 Aug;113(8):763–8 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Lithium–induced uraemia in rats: survival and renal function and morphology after one year. Christensen S, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 May;58(5):339–47

Pulmonary hypertension, hemolytic anemia, and renal failure. A mitomycin–associated syndrome. McCarthy JT, et al.

Chest 1986 Apr;89(4):608–11
Hemolytic uremic syndrome in a patient on cis-platinum, vinblastine and bleomycin. van der Meer J, et al. **J Cancer Res Clin Oncol** 1985;110(2):119–22

COMPLICATIONS

Uremic polyneuropathy: different effects of hemodialysis and continuous ambulatory peritoneal dialysis. Tegnér R, et al. **Acta Med Scand** 1985;218(4):409–16
Deceptive patterns of uremic pulmonary edema. Kohen JA, et al. **Am J Kidney Dis** 1986 Jun;7(6):456–60
Uremia as a cause of bleeding. Andrassy K, et al. **Am J Nephrol** 1985;5(5):313–9 (66 ref.)
Amyloid kidney stones of uremic patients consist of beta 2-microglobulin fragments. Linke RP, et al. **Biochem Biophys Res Commun** 1986 Apr 29;136(2):665–71
Is there a treatment necessity for lipid disorders of uremic patients? Lacour B, et al. **Blood Purif** 1985;3(1–3):42–51 (91 ref.)
Uraemic follicular hyperkeratosis. Garcia-Bravo B, et al. **Clin Exp Dermatol** 1985 Sep;10(5):448–54
Uremic encephalopathy: an updating. Biasioli S, et al. **Clin Nephrol** 1986 Feb;25(2):57–63 (30 ref.)
Clostridium difficile-associated colitis in uremic patients. Leung AC, et al. **Clin Nephrol** 1985 Nov;24(5):242–8
Uremic pleural effusion detected on radionuclide renogram. Abdel-Dayem HM, et al. **Clin Nucl Med** 1986 Mar; 11(3):196–7
Uremic neuropathy: clinical and neurophysiological investigation of dialysis patients using different chemical membranes. Violante F, et al. **Eur Neurol** 1985; 24(6):398–404
Hydroxyapatite associated arthritis in a patient undergoing chronic haemodialysis. Yano E, et al. **Int J Tissue React** 1985;7(6):527–34
Autonomic dysfunction in uremia [editorial] Acharya VN, et al. **J Assoc Physicians India** 1985 May;33(5):315
Treatment of aluminum toxicity in infantile uremia with deferoxamine. Freundlich M, et al. **J Pediatr** 1986 Jul; 109(1):140–3
Effect of verapamil on uremic myocardial disease in the rat. Zahavi I, et al. **J Submicrosc Cytol** 1985 Oct;17(4):637–44
Diuretic therapy in uremic patients. Dal Canton A, et al. **Kidney Int [Suppl]** 1985 Dec;17:S154–6
Uraemic platelets [letter] **Lancet** 1986 Apr 19;1(8486):913–4
Uraemic hypoglycaemia [editorial] **Lancet** 1986 Mar 22; 1(8482):660–1
Kidney lesions in uraemic patients and beta 2-microglobulin derived amyloid [letter] Bommer J, et al. **Lancet** 1985 Dec 21–28;2(8469–70):1437–8
Hypoglycaemia and insulin resistance in uraemia associated with insulin fragments. Pun KK. **Med Hypotheses** 1985 Jul; 17(3):243–8 (30 ref.)
Anemia, uremia and polyamines [letter] Campbell RA. **Nephron** 1985;41(3):299–301
Zinc deficiency and haem synthesis: an additional problem in uraemia [letter] Yalouris AG. **Nephron** 1986;43(1):72
Control of bleeding in severely uremic patients undergoing oral surgery. Buckley DJ, et al. **Oral Surg Oral Med Oral Pathol** 1986 Jun;61(6):546–9
Emergency endoscopy in uraemic patients with haematemesis and/or melaena. Rumi G. **Przegl Lek** 1985;42(4):422–4
The influence of uremic acidosis on carbohydrate and lipid metabolism in erythrocytes. Rutkowski B, et al. **Przegl Lek** 1985;42(4):425–7
Evaluation of uremic neuropathy by visual (VEP) and brainstem auditory (BAEP) evoked potentials. Weber B, et al. **Trans Am Soc Artif Intern Organs** 1985;31:586–9
[Calcifying uremic arteriopathy] Janda J. **Cesk Patol** 1986 May;22(2):103–7 (Eng. Abstr.) **(Cze)**
[Iron poisoning as a risk in the treatment of nephrogenic anemia] Hansen BL, et al. **Ugeskr Laeger** 1985 Aug 26; 147(35):2747–9 (Eng. Abstr.) **(Dan)**
[Relapsing pseudomembranous colitis in uremia] Chagnac A, et al. **Harefuah** 1986 Apr 15;110(8):397–9 (Eng. Abstr.) **(Heb)**
[The half and half nail phenomenon in uremic patients. Clinical and epidemiological study] Bencini PL, et al. **G Ital Dermatol Venereol** 1985 Jul–Aug;120(4):289–91 (Eng. Abstr.) **(Ita)**
[Incidence of malnutrition in chronic uremic patients in relation to sex, age and years in hemodialysis] Canepari G, et al. **Minerva Urol Nefrol** 1986 Apr–Jun;38(2):177–82 (Eng. Abstr.) **(Ita)**
[Clinical evaluation of Periflux laser doppler flowmeter in uremic autonomic neuropathy] Hatanaka H, et al. **Nippon Jinzo Gakkai Shi** 1985 Oct;27(10):1437–43 (Eng. Abstr.) **(Jpn)**
[Pathogenesis of uremic hypogonadism and its treatment with parlodel] Kukhtevich AV, et al. **Akush Ginekol (Mosk)** 1985 Aug;(9):63–4 **(Rus)**
[Uremic hypogonadism syndrome] Kukhtevich AV, et al. **Sov Med** 1985;(6):24–7 (Eng. Abstr.) **(Rus)**
[Treatment of uremic hypogonadism with parlodel] Kukhtevich AV, et al. **Ter Arkh** 1985;57(12):39–41 (Eng. Abstr.) **(Rus)**
[Zinc supplements in uremic hypogonadism: absence of beneficial effects] del Río Vázquez A, et al. **Rev Clin Esp** 1986 May;178(8):373–6 (Eng. Abstr.) **(Spa)**

CONGENITAL

Aluminium toxicity in uraemic babies [letter] Koch H, et al. **Lancet** 1985 Oct 12;2(8459):831
[Iatrogenic aluminum osteopathy in a uremic infant] Koch H, et al. **Monatsschr Kinderheilkd** 1986 May;134(5):279–81 (Eng. Abstr.) **(Ger)**

DIET THERAPY

Restoration of blood levels of testosterone in male uremics following a low protein diet supplemented with essential amino acids and ketoanalogues. Barsotti G, et al. **Contrib Nephrol** 1985;49:63–9
The effect of a low protein diet with amino acid/keto acid supplements on glucose metabolism in children with uremia. Mak RH, et al. **J Clin Endocrinol Metab** 1986 Oct; 63(4):985–9
Effects of a low phosphorus, low nitrogen diet supplemented with essential amino acids and ketoanalogues on serum triglycerides of chronic uremic patients. Ciardella F, et al. **Nephron** 1986;42(3):196–9
Low and normal protein diets in chronic uremia: nitrogen and potassium balances and albumin and IgG turnover. Peña JC, et al. **Rev Invest Clin** 1986 Apr–Jun;38(2):159–65

DRUG THERAPY

Serum-aluminum in nondialyzed chronic uremic patients before and during treatment with aluminum-containing phosphate-binding gels. Brahm M. **Clin Nephrol** 1986 May; 25(5):231–5
Effect of naloxone on the defective autonomic control of heart rate in uraemic patients. Zoccali C, et al. **Clin Sci** 1985 Jul;69(1):81–6
Experimental studies on therapy of metabolic alkalosis during the beginning of uremia. Influences of ammonium chloride on the intra- and extracellular acid–base status of the rat. Rothe KF, et al. **Eur Urol** 1986;12(1):54–8
Steroid sensitivity of chronic uraemic and renal transplant patients measured by the antibody dependent cellular cytotoxicity reaction. Petri I, et al. **Haematologia (Budap)** 1985;18(4):225–32
Serum azathioprine and 6-mercaptopurine levels and immunosuppressive activity after azathioprine in uremic patients. Odlind B, et al. **Int J Immunopharmacol** 1986; 8(1):1–11
Effect of captopril on heavy proteinuria in azotemic diabetics. Taguma Y, et al. **N Engl J Med** 1985 Dec 26; 313(26):1617–20
Desmopressin induces decrease in platelet count in uremia [letter] Rydzewski A, et al. **Thromb Haemost** 1986 Jun 30; 55(3):436
Effect of sodium bicarbonate and Tris (THAM) infusion on intra- and extracellular acid–base status during experimental uremia in the rat. Rothe KF, et al. **Urol Int** 1985;40(4):190–5
[Therapeutic activity of nephroton, lespenefril and furosemide in experimental azotemia] Lambev I, et al. **Eksp Med Morfol** 1985;24(4):27–35 (Eng. Abstr.) **(Bul)**
[24 cases of renal syndrome complicated by nitremia treated with traditional Chinese medicine and Western medicine combined] Wang YJ. **Chung Hsi I Chieh Ho Tsa Chih** 1985 Sep;5(9):550–2, 516 (Eng. Abstr.) **(Chi)**

ECONOMICS

Uremia therapy: the resource allocation dilemma from a global perspective. Cummings NB. **Kidney Int [Suppl]** 1985 Dec;17:S133–5

ENZYMOLOGY

Studies on the effects of low-molecular uraemic toxins on the activity of 3-phospho-D-glycerol aldehyde dehydrogenase (E.C.1.2.1.12) in human erythrocytes. Kopczyński Z, et al. **Acta Physiol Pol** 1984 Sep–Dec; 35(5–6):539–45
Creatine kinase MB isoenzyme in serum of uremic patients: electrophoresis and quantification with the Corning models 720 and 760 fluorometer/densitometers [letter] Medeiros LJ, et al. **Clin Chem** 1986 Jan;32(1 Pt 1):227–8
Increased plasma glycosidase and protease activity in uraemia: possible role in the aetiology of the anaemia of chronic renal failure. Shannon JS, et al. **Clin Chim Acta** 1985 Dec 31;153(3):203–7
Adenylate cyclase activity in kidney of partially nephrectomized uremic rats: decreased sensitivity to arginine-vasopressin in kidney medulla. Munclinger M. **Horm Metab Res** 1985 Nov;17(11):616–7
Is the glucocorticoid-induced hypertriglyceridemia in uremic rats caused by decreased tissue lipoprotein lipase activity? Tan MH. **Horm Metab Res** 1985 Nov;17(11):580–2
Activities of cerebral dihydropteridine reductase and tyrosine hydroxylase in chronic uremia in rats. Mullen BJ, et al. **J Nutr** 1986 Jul;116(7):1298–305
Effect of 1,25-dihydroxyvitamin D3 on intestinal disaccharidases in uremic rats. Inagaki O, et al. **Nephron** 1986;44(1):75–7
Can hemodialysis remove the factor that suppresses platelet cyclo-oxygenase activity in uremic patients? Tanaka H, et al. **Trans Am Soc Artif Intern Organs** 1985;31:552–5

ETIOLOGY

Retroperitoneal fibrosis with azotaemia secondary to metastatic breast cancer. Srinivas V, et al. **Br J Urol** 1986 Apr;58(2):231
Uremic pericarditis in hemophilia A [letter] Aguado S, et al. **Clin Nephrol** 1985 Sep;24(3):158
Computer-assisted diagnosis of acute azotemia. Fugleberg S, et al. **Comput Biomed Res** 1986 Feb;19(1):103–15
Uremia is an intoxication. Bergström J. **Kidney Int [Suppl]** 1985 Dec;17:S2–4
Lack of evidence for the role of secondary hyperparathyroidism in the pathogenesis of uremic thrombocytopathy. Docci D, et al. **Nephron** 1986; 43(1):28–32
Are recent findings on 1,25-dihydroxycholecalciferol metabolism relevant for the pathogenesis of uremia? Merke J, et al. **Nephron** 1986;42(4):277–84 (98 ref.)

FAMILIAL & GENETIC

Is lower ploidy of megakaryocytes another reason for uremic thrombocytopathy? Winkelmann M, et al. **Klin Wochenschr** 1986 Jun 16;64(12):540–4
[Familial proximal tubular azotemia. Elevated urea plasma levels in normal kidney function] Armsen T, et al. **Dtsch Med Wochenschr** 1986 May 2;111(18):702–6 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Synthesis of the nonatetracontapeptide corresponding to the entire amino acid sequence of thymopoietin I and its effect on the low E-rosette-forming cells of a uremic patient. Abiko T, et al. **Chem Pharm Bull (Tokyo)** 1985 Apr; 33(4):1583–91
Neutrophil and monocyte adherence in diabetes mellitus, alcoholic cirrhosis, uraemia and elderly patients. Kelly MK, et al. **Int Arch Allergy Appl Immunol** 1985;78(2):132–8
Effect of interleukin-2 and methylprednisolone on in vitro transformation of uremic lymphocytes. Langhoff E, et al. **Int Arch Allergy Appl Immunol** 1986;81(1):5–11
In vitro natural killer and killer cell functions in uremia. Langhoff E, et al. **Int Arch Allergy Appl Immunol** 1985; 78(2):218–20
Chemiluminescence and lymphocyte transformation of immune cells in experimental uremia [letter] Fromtling RA. **Nephron** 1986;43(1):78
Defective radioresistant suppressor cell activity in hemodialysis patients. Mirapeix E, et al. **Nephron** 1985; 41(2):184–8

METABOLISM

System ASC and sodium-independent neutral amino acid transport in muscle of uremic rats. Maroni BJ, et al. **Am J Physiol** 1986 Jul;251(1 Pt 2):F81–6
System A amino acid transport in incubated muscle: effects of insulin and acute uremia. Maroni BJ, et al. **Am J Physiol** 1986 Jul;251(1 Pt 2):F74–80
Water and nonelectrolyte permeability in brain synaptosomes isolated from normal and uremic rats. Verkman AS, et al. **Am J Physiol** 1986 Feb;250(2 Pt 2):R306–12
Zinc tolerance test in uremia. Effect of ferrous sulfate and aluminum hydroxide. Abu-Hamdan DK, et al. **Ann Intern Med** 1986 Jan;104(1):50–2
Protein catabolic factors in patients on renal replacement therapy. Bergström J. **Blood Purif** 1985;3(4):215–36 (162 ref.)
Enzyme activities and adenine nucleotide content in aorta, heart muscle and skeletal muscle from uraemic rats. Krog M, et al. **Br J Exp Pathol** 1986 Jun;67(3):431–8
Inhibition of microtubule formation by uremic toxins: action mechanism and hypothesis about the active component. Braguer D, et al. **Clin Nephrol** 1986 Apr;25(4):212–8
Digoxin intoxication induced by verapamil in an uremic patient [letter] Johannessen A, et al. **Clin Nephrol** 1985 Sep; 24(3):158–9
A method for separation of middle molecules by high performance liquid chromatography: application in studies of glucuronyl-o-hydroxyhippurate in normal and uremic subjects. Zimmerman L, et al. **Clin Nephrol** 1986 Feb; 25(2):94–100
Effects of chronic uraemia on the formation of glucose and urea plus ammonia from L-alanine, L-glutamine and L-serine in isolated rat hepatocytes. Klim RA, et al. **Clin Sci** 1986 Jun;70(6):627–34
Insulin-mediated glucose uptake in nondialyzed and dialyzed uremic insulin-dependent diabetic subjects. Schmitz O. **Diabetes** 1985 Nov;34(11):1152–9
Cellular mechanisms in selected states of insulin resistance: human obesity, glucocorticoid excess, and chronic renal failure. Amatruda JM, et al. **Diabetes Metab Rev** 1985; 1(3):293–317 (100 ref.)
Assessment of tissue sensitivity to insulin in uraemic patients on long-term haemodialysis therapy. Schmitz O, et al. **Diabetes Res** 1985 Mar;2(2):57–63
Effect of uremia and anephric state on the pharmacokinetics of sulindac and its metabolites in rats. II. Differential effects on the biliary excretion. Lin JH, et al. **Drug Metab Dispos** 1985 Sep–Oct;13(5):608–13
Effect of uremia and anephric state on the pharmacokinetics of sulindac and its metabolites in rats. I. An application of pharmacokinetic model for reversible metabolism. Lin JH, et al. **Drug Metab Dispos** 1985 Sep–Oct;13(5):602–7
Circulating endogenous vasoactive intestinal polypeptide (VIP) in patients with uraemia and liver cirrhosis.

Henriksen JH, et al. **Eur J Clin Invest** 1986 Jun;16(3):211–6

Neutral steroid metabolites in patients with uraemia and after renal transplantation: a quantitative and qualitative study in body fluids. Ladwig–Köhn H, et al. **Eur J Clin Invest** 1985 Dec;15(6):332–40

Malnutrition at the cellular level in uremia: a new frontier for research. Metcoff J. **J Am Coll Nutr** 1986;5(3):229–41 (47 ref.)

Determination of indican and tryptophan in normal and uraemic patients by high–performance liquid chromatography with a new electrochemical detector. Laganà A, et al. **J Chromatogr** 1986 May 28;378(1):85–93

Profiling of organic acids and polyols in nerves of uraemic and non–uraemic patients. Niwa T, et al. **J Chromatogr** 1986 Apr 25;377:15–22

Determination of histidine, 1–methylhistidine and 3–methylhistidine in biological samples by high–performance liquid chromatography. Clinical application of urinary 3–methylhistidine in evaluating the muscle protein breakdown in uraemic patients. Qureshi GA, et al. **J Chromatogr** 1986 Jan 24;374(2):363–9

Calcium transport abnormality in uremic rat brain synaptosomes. Fraser CL, et al. **J Clin Invest** 1985 Nov; 76(5):1789–95

Protein synthesis and degradation in skeletal muscle of chronically uremic rats. Li JB, et al. **Kidney Int** 1986 Jun; 29(6):1136–43

Specific defects in insulin–mediated muscle metabolism in acute uremia. May RC, et al. **Kidney Int** 1985 Sep; 28(3):490–7

Is glucose intolerance harmful for the uremic patient? DeFronzo RA, et al. **Kidney Int [Suppl]** 1985 Dec; 17:S88–97 (81 ref.)

Plasma and brain catecholamines in experimental uremia: acute and chronic studies. Ali F, et al. **Life Sci** 1985 Nov 11;37(19):1757–64

Uptake and distribution of 45Ca in the brain of chronically uremic rats. Adler AJ, et al. **Nephron** 1985;41(4):354–8

Atrial natriuretic factor and adrenal steroid production in uremia [letter] Coruzzi P. **Nephron** 1986;42(2):179–80

Effect of long–term administration of 1,25–dihydroxyvitamin D3 and 1 alpha–hydroxyvitamin D3 on the calcium content of the aorta, heart and kidney of normal and uremic rats. Saupe J, et al. **Nephron** 1986;43(4):290–2

Calcium balance in uremia: longitudinal study of long–term survivors. Schuster VL, et al. **Nephron** 1985;41(2):132–40

Impaired metabolism of guanidinoacetic acid in uremia. Tofuku Y, et al. **Nephron** 1985;41(2):174–8

Carbamylation of proteins and sulfacetamide free fraction in serum in experimentally–induced high blood urea states. Erill S, et al. **Res Commun Chem Pathol Pharmacol** 1985 Oct;50(1):45–56

Cobalamin absorption determined by the stool spot test. Reliability in patients with uremia or disorders of the ileum. Hansen PK, et al. **Scand J Gastroenterol** 1986 Apr; 21(3):341–7

Copper metabolism in uremia: effect of dialysis and zinc supplementation. Mahajan SK, et al. **Trans Am Soc Artif Intern Organs** 1985;31:521–5

PATHOLOGY

Myocardial changes in rats with lithium–induced uraemia. Basandrup U, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1985 Nov; 93(6):317–22

Metabolic bone disease and aluminium contamination in 38 uremic patients. A bone histomorphometric study. Pødenphant J, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1986 Jan; 94(1):1–6

Ultrastructural observations of chronic uremic lungs with special reference to histochemical and X–ray microanalytic studies on altered alveolocapillary basement membranes. Lee YS. **Am J Nephrol** 1985;5(4):255–66

The effect of branch chain amino acids on the proliferation of normal and uremic cells. Esposito R, et al. **Kidney Int [Suppl]** 1985 Dec;17:S98–9

X–ray microanalysis of uremic nephrocalcinosis: cellular distribution of calcium, aluminium and silicon in uremic nephrocalcinosis. Goligorsky MS, et al. **Miner Electrolyte Metab** 1985;11(5):301–8

Cytotoxicity of commercial peritoneal dialysis solutions towards peritoneal cells of chronically uremic mice. Gallimore B, et al. **Nephron** 1986;43(4):283–9

Fenestrated capillaries in human parietal and rabbit diaphragmatic peritoneum. Gotloib L, et al. **Nephron** 1985; 41(2):200–2

[Skeletal muscle in uremia] Janda J. **Cesk Patol** 1986 May; 22(2):111–5 (Eng. Abstr.) **(Cze)**

[Normalization of uremic skin changes following kidney transplantation] Altmeyer P, et al. **Hautarzt** 1986 Apr; 37(4):217–21 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Autonomic function tests in healthy controls and in terminal uraemia. Solders G. **Acta Neurol Scand** 1986 Jun; 73(6):638–9

The phagocytic process of human peritoneal macrophages in cancer or uremia. Athlin L, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1986 Apr; 94(2):63–8

Beta–adrenergic contribution to glucagon–induced glucose production and insulin secretion in uremia. Baylor P, et al. **Am J Physiol** 1986 Sep;251(3 Pt 1):E322–7

Reduced chronotropic responsiveness of the heart in experimental uremia. Mann JF, et al. **Am J Physiol** 1986 May;250(5 Pt 2):H846–52

Toxicity of parathyroid hormone in uremia. Klahr S, et al. **Annu Rev Med** 1986;37:71–8

In vivo pretreatment with human chorionic gonadotropin fails to reverse the dysfunction of isolated Leydig cells from chronically uremic rats. Tsitouras PD, et al. **Biol Reprod** 1985 Nov;33(4):781–9

Unilaterally nephrectomized rat with aortic ligation: a uremic model of severe hypertension. Heidemann HT, et al. **Clin Exp Hypertens [A]** 1985;7(8):1109–20

Cardiac parasympathetic pathway in chronic uremia patients [letter] Camici M, et al. **Clin Nephrol** 1986 Apr;25(4):219–20

Parathyroid function and pituitary–gonadal axis in male uremics; effects of dietary treatment and of maintenance hemodialysis. Fioretti P, et al. **Clin Nephrol** 1986 Mar; 25(3):155–8

Autonomic function in uremic patients treated by hemodialysis or CAPD and in transplant patients. Mallamaci F, et al. **Clin Nephrol** 1986 Apr;25(4):175–80

Baroreflex sensitivity and pressor responses in a rat model of uraemia. Watson AJ, et al. **Clin Sci** 1985 Nov; 69(5):637–40

Thyroid function in uremic children—studies at various stages of nephron loss and during treatment with hemodialysis and/or CAPD. DeSanto NG, et al. **Contrib Nephrol** 1985;49:56–62

Current status of the role of parathyroid hormone in uremic toxicity. Massry SG. **Contrib Nephrol** 1985;49:1–11

Relationship between plasma noradrenaline and blood pressure in uremia. Zuccalà A, et al. **Contrib Nephrol** 1985; 49:134–9

Testicular function in experimental uremia. Handelsman DJ, et al. **Endocrinology** 1985 Nov;117(5):1974–83

Hypothalamic–pituitary function in experimental uremic hypogonadism. Handelsman DJ, et al. **Endocrinology** 1985 Nov;117(5):1984–95

Liver dysfunction in dialysis patients. Quintanilla AP. **Int J Artif Organs** 1986 Jan;9(1):1–2

Renal effects of aluminium in uraemic rats and in rats with intact kidney function. Bräunlich H, et al. **J Appl Toxicol** 1986 Feb;6(1):55–9

Plasma noradrenaline and blood pressure in uremia. Zuccalà A, et al. **J Clin Hypertens** 1985 Jun;1(2):161–9

The lungs in uraemia: a review. Bush A, et al. **J R Soc Med** 1985 Oct;78(10):849–55 (59 ref.)

Evaluation of the rat renal allograft model in comparison to man: a physiological perspective. Lander EB, et al. **J Urol** 1986 Sep;136(3):710–4

Minimal laboratory investigation of uremic patients. Brancaccio D, et al. **Kidney Int [Suppl]** 1985 Dec; 17:S108–11

Thyroid function in uremic children. De Santo NG, et al. **Kidney Int [Suppl]** 1985 Dec;17:S166–9

Neurotoxicity of parathyroid hormone in uremia. Massry SG. **Kidney Int [Suppl]** 1985 Dec;17:S5–11 (72 ref.)

Effect of chronic uremia on the cardiovascular alpha 1 receptor. Meggs LG, et al. **Life Sci** 1986 Jul 14;39(2):169–79

Delayed–type hypersensitivity skin reaction in the chronically uremic mouse: influence of severity and duration of uremia on the development of response. Gagnon RF. **Nephron** 1986;43(1):16–21

Diminished parathyroid gland responsiveness to hypocalcemia in diabetic patients with uremia. Heidbreder E, et al. **Nephron** 1986;42(4):285–9

Osmotic fragility of red blood cells, secondary hyperparathyroidism, and uremia [letter] Massry SG, et al. **Nephron** 1986;43(1):70–1

Assessment of cardiac performance in uremic patients by echocardiography. Huang HW, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Aug;84(8):898–908

Comparison of different blood parameters for evaluation of complement activation during hemodialysis. Gardinali M, et al. **Trans Am Soc Artif Intern Organs** 1985;31:42–4

Autonomic system dysfunction and polyneuropathy in nondiabetic uremia. A one–year follow–up study after renal transplantation. Solders G, et al. **Transplantation** 1986 May; 41(5):616–9

[Sexual consequences and problems in marital relations in patients with chronic renal disease] Bouchelouche P, et al. **Ugeskr Laeger** 1985 Oct 14;147(42):3347–50 (Eng. Abstr.) **(Dan)**

[Extrarenal regulation of acid–base equilibrium in chronic uremia by the use of acetazolamide] De Marchi S, et al. **Minerva Urol Nefrol** 1985 Apr–Jun;37(2):243–4 **(Ita)**

[The hypothalamo–pituitary–gonadal axis in uremic patients receiving hemodialysis in childhood] Fujisawa T, et al. **Nippon Jinzo Gakkai Shi** 1985 Oct;27(10):1445–9 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Intense myocardial uptake of gallium–67 citrate and technetium–99m pyrophosphate in a uremic patient. Chaudhuri TK. **Clin Nucl Med** 1985 Oct;10(10):728–9

SURGERY

Management of the diabetic patient before, during and after surgery with special emphasis on uremic patients and kidney transplant recipients. Lum CT, et al. **Minn Med** 1985 Sep;68(9):693–6

THERAPY

Improved growth of three uremic children by nocturnal nasogastric feedings. Strife CF, et al. **Am J Dis Child** 1986 May;140(5):438–43

New insights about uremia through its attenuation by dialysis. Maher JF. **Artif Organs** 1986 Aug;10(4):306–12

Failure of naloxone in reversal hemodialysis–induced hypotension. Sturani A, et al. **Blood Purif** 1985;3(4):184–6

Assessment of the aluminum overload and of its possible toxicity in asymptomatic uremic patients: evidence for a depressive effect on bone formation. Sebert JL, et al. **Bone** 1985;6(5):373–5

Total body fluid volume determination based on urea kinetics in hemofiltration as an index of basal body weight in uremic patients. Kimura G, et al. **Int J Artif Organs** 1986 May; 9(3):159–62

The effect of oral essential amino acids and their ketoanalogues on children receiving regular haemodialysis. Bulla M, et al. **Int J Pediatr Nephrol** 1986 Apr–Jun; 7(2):73–80

Adequacy of chronic peritoneal dialysis in low socioeconomic class uremic children. Muñoz–Arizpe R, et al. **Int J Pediatr Nephrol** 1986 Apr–Jun;7(2):81–4

Cerebral computed tomography in uremic and hemodialyzed patients. Cusmano F, et al. **J Comput Assist Tomogr** 1986 Jul–Aug;10(4):567–70

A mechanistic analysis of the National Cooperative Dialysis Study (NCDS). Gotch FA, et al. **Kidney Int** 1985 Sep; 28(3):526–34

Plasma levels of granulocyte elastase during hemodialysis: effects of different dialyzer membranes. Hörl WH, et al. **Kidney Int** 1985 Nov;28(5):791–6

Outcome of long–term hemofiltration. Baldamus CA, et al. **Kidney Int [Suppl]** 1985 Dec;17:S41–6

Benefits of early initiation of dialysis. Bonomini V, et al. **Kidney Int [Suppl]** 1985 Dec;17:S57–9

Combining hemodialysis and peritoneal dialysis. Buoncristiani U. **Kidney Int [Suppl]** 1985 Dec;17:S50–3

Calcium carbonate, an aluminum–free agent for control of hyperphosphatemia, hypocalcemia, and hyperparathyroidism in uremia. Fournier A, et al. **Kidney Int [Suppl]** 1986 Feb;18:S114–9

Physician bias in uremia therapy. Friedman EA. **Kidney Int [Suppl]** 1985 Dec;17:S38–40

Hemoperfusion in the treatment of uremia. Gurland HJ. **Kidney Int [Suppl]** 1985 Dec;17:S47–9

The gastrointestinal tract in uremic patients on long–term hemodialysis. Milito G, et al. **Kidney Int [Suppl]** 1985 Dec; 17:S157–60

Plasmapheresis holds distinct advantages for 21st century uremia therapy. Nose Y, et al. **Kidney Int [Suppl]** 1985 Dec; 17:S131–2

Are standards and checklists needed in uremia therapy? Shaldon S, et al. **Kidney Int [Suppl]** 1985 Dec;17:S124–6

The need for dialysis. Vercellone A, et al. **Kidney Int [Suppl]** 1985 Dec;17:S29–30

Hemoperfusion for uremia: past, present, and future. Winchester JF, et al. **Kidney Int [Suppl]** 1985 Dec; 17:S127–30

Internal jugular vein cannulation using 2 silastic catheters. A new, simple and safe long–term vascular access for extracorporeal treatment. Canaud B, et al. **Nephron** 1986; 43(2):133–8

Changes in insulin binding during hemodialysis in uremic patients. Milutinović S, et al. **Nephron** 1985;41(4):307–13

Persistence of gastric hypoacidity in uraemic patients after renal transplantation. Paimela H. **Scand J Gastroenterol** 1985 Sep;20(7):873–6

[Transfusions of HLA–A and B compatible blood in kidney transplant candidates] Amoroso A, et al. **Nephrologie** 1985; 6(5):245–6 **(Fre)**

[Is aluminum poisoning unavoidable in the uremic patient?] Drücke T, et al. **Nephrologie** 1985;6(5):217–8 **(Fre)**

[Uremic neuropathy. Clinical and neurophysiological data on patients on chronic hemodialysis treatment] Ministeri CM, et al. **Clin Ter** 1986 Jul 31;118(2):89–92 (Eng. Abstr.) **(Ita)**

[What's the most suitable treatment of uremia in the elderly?] Tarentini Trojani F. **Clin Ter** 1986 Apr 15;117(1):69–71 **(Ita)**

[Nutritional aspects and problems in the uremic patient under CAPD] Viglino G, et al. **Minerva Urol Nefrol** 1986 Apr–Jun;38(2):183–9 (Eng. Abstr.) **(Ita)**

[Radiological evaluation of the state of hydration in uremic patients under periodic dialysis] Gavelli G, et al. **Radiol Med (Torino)** 1984 Dec;70(12):933–6 (Eng. Abstr.) **(Ita)**

[Partial recovery of kidney function in patients with chronic uremia during hemodialysis treatment] Ermolenko VM, et al. **Ter Arkh** 1985;57(6):145–7 **(Rus)**

URINE

Urinary lead excretion in uremic patients. Behringer D, et al. **Nephron** 1986;42(4):323–9

VETERINARY

Dental dysplasia in two young uremic dogs. Dubielzig RR,

et al. **Vet Pathol** 1986 May;23(3):333–5

UREOHYDROLASES

ISOLATION & PURIFICATION

Purification and characterization of creatine amidinohydrolase of Alcaligenes origin. Matsuda Y, et al. **Chem Pharm Bull (Tokyo)** 1986 May;34(5):2155–60

Purification and properties of agmatine ureohydrolyase, a putrescine biosynthetic enzyme in Escherichia coli. Satishchandran C, et al. **J Bacteriol** 1986 Mar;165(3):843–8

Evolution of allantoinase and allantoicase involved in urate degradation in liver peroxisomes. A rapid purification of amphibian allantoinase and allantoicase complex, its subunit locations of the two enzymes, and its comparison with fish allantoinase and allantoicase. Noguchi T, et al. **J Biol Chem** 1986 Mar 25;261(9):4221–3

URETER

Therapeutic ureteral occlusion in advanced pelvic malignant tumors. Kinn AC, et al. **J Urol** 1986 Jan;135(1):29–32

The ectopic ureter in men. MacDonald GR. **J Urol** 1986 Jun;135(6):1269–71

Ureteroscopy [editorial] **Lancet** 1986 Aug 30;2(8505):497–8

Indwelling ureteral stents: percutaneous management of complications. LeRoy AJ, et al. **Radiology** 1986 Jan; 158(1):219–22

Ectopic ureter and ureterocele: their varied sonographic manifestations. Nussbaum AR, et al. **Radiology** 1986 Apr; 159(1):227–35

An active artificial ureter with autonomous energy supply. Graw M, et al. **Urol Int** 1986;41(1):9–15

Percutaneous antegrade flexible ureteroscopy. Bagley DH, et al. **Urology** 1986 Apr;27(4):331–4

Transperineal placement of ureteroscope in males. Marchuk JM. **Urology** 1986 Jun;27(6):526

Rapid dilatation of ureteral orifice for ureteroscopy. Smith AD. **Urology** 1985 Oct;26(4):407

[Correct use of ureteral guide wires] Vallancien G, et al. **Ann Urol (Paris)** 1985;19(5):319–22 (Eng. Abstr.) **(Fre)**

[The ureteral stent: is it useful?] Taki Y, et al. **Hinyokika Kiyo** 1985 Dec;31(12):2203–7 (Eng. Abstr.) **(Jpn)**

ABNORMALITIES

The coexistence of congenital megacalyces and primary megaureter. Vargas B, et al. **AJR** 1986 Aug;147(2):313–6

The management of severe ureteric anomalies in infancy. Rothwell DL, et al. **Aust NZ J Surg** 1985 Jun;55(3):263–8

Treatment of retrocaval ureter. Stojkovič J, et al. **Czech Med** 1986;9(1):15–22

Treatment of neonatal hydronephrosis by malformation of the ureteropelvic junction: interest of percutaneous nephrostomy. Héloury Y, et al. **Eur Urol** 1986;12(4):224–9

Ultrastructural characteristics of collagen tissue in normal and congenitally dilated ureter. Medel R Jr, et al. **Eur Urol** 1985;11(5):324–9

Ectopic ureter in a dog: extension from the kidney to the urinary bladder and to the urethra. Hager DA, et al. **J Am Vet Med Assoc** 1986 Aug 1;189(3):309–10

Right periureteric venous ring detected by computed tomography. Sasai K, et al. **J Comput Assist Tomogr** 1986 Mar–Apr;10(2):349–51

Computed tomography demonstration of renal dysplasia with a vaginal ectopic ureter. Korogi Y, et al. **J Comput Tomogr** 1986 Jul;10(3):273–5

Potential pitfall of DMSA scintigraphy in patients with ureteral duplication. Wu F, et al. **J Nucl Med** 1986 Jul; 27(7):1154–6

Uncrossed complete ureteral duplication with upper system reflux. Ahmed S, et al. **J Urol** 1986 Jan;135(1):128–9

Duplicate segment within a single ureter. Bingham BJ. **J Urol** 1986 Jun;135(6):1234

Bifid blind-ending ureters. Eisenberg MJ, et al. **J Urol** 1986 Jul;136(1):90–1

Reimplantation of the dilated ectopic ureter of the duplex system as a separate unit. Marshall S. **J Urol** 1986 Mar; 135(3):574–5

Ureteropelvic junction obstruction of the upper pole moiety in complete ureteral duplication. Mesrobian HG. **J Urol** 1986 Aug;136(2):452–3

Inverted Y duplication of the ureter. Mosli HA, et al. **J Urol** 1986 Jan;135(1):126–7

Embryological and diagnostic aspects of seminal vesicle cysts associated with upper urinary tract malformation. Roehrborn CG, et al. **J Urol** 1986 May;135(5):1029–32

Type I ureteral triplication: an extension of the Weigert–Meyer law. Zaontz MR, et al. **J Urol** 1985 Nov; 134(5):949–50

Single ectopic ureter causing incontinence after childbirth. Zimmern PE, et al. **J Urol** 1986 Jul;136(1):92–3

Fluid-filled structures simulating solid tumors at ultrasonography—a report on five cases. Söderlund V, et al. **Pediatr Radiol** 1986;16(2):110–3

A complete pyelo-uretero-vesical duplication. Vaage S, et al. **Scand J Urol Nephrol** 1985;19(4):309–13

The ureter. **Semin Roentgenol** 1986 Jul;21(3):163–237

Extrinsic displacement of the ureter. Cunat JS, et al. **Semin Roentgenol** 1986 Jul;21(3):188–200

Congenital abnormalities of the ureter. Young DW, et al. **Semin Roentgenol** 1986 Jul;21(3):172–87 (22 ref.)

Blind-ending branch of a trifid ureter. Coughlan JD. **Urol Radiol** 1985;7(3):172–3

Single ectopic ureter: unusual presentation in adult male. Nseyo UO, et al. **Urology** 1986 Sep;28(3):238–40

Acetylcholinesterase activities in association with congenital malformation of the terminal ureter in infants and children. Hofmann J, et al. **Z Kinderchir** 1986 Feb;41(1):32–4

[Retrocaval ureter: report of 6 cases] Yan CL, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Jan;24(1):38–9, 63–4 (Eng. Abstr.) **(Chi)**

[Primary megaureter in children and adults with coexisting vesico-ureteral reflux. Case report] Vitovec J. **Cesk Radiol** 1986 Mar;40(2):80–8 (Eng. Abstr.) **(Cze)**

[Retroiliac ureter] Utíkalová A, et al. **Rozhl Chir** 1985 Nov; 64(11):734–6 (Eng. Abstr.) **(Cze)**

[Pyeloureteral duplications in the adult: diagnostic means and therapeutic indications. Apropos of 20 cases] Belas M, et al. **Ann Urol (Paris)** 1985;19(6):376–80 (Eng. Abstr.) **(Fre)**

[Treatment of extra-vesical ureteroceles associated with pyeloureteral duplication in children] Heloury Y, et al. **Ann Urol (Paris)** 1985;19(6):381–6 (Eng. Abstr.) **(Fre)**

[Anuria due to bilateral ureteral blockage by the iliac pedicles (retro-iliac ureters)] Jurascheck F, et al. **Ann Urol (Paris)** 1985;19(5):355–7 (Eng. Abstr.) **(Fre)**

[The bifid ureter with blind-ending branch. Its place among the other malformed or acquired ureteral variations] Dardenne B, et al. **J Belge Radiol** 1985;68(4):291–4 (Eng. Abstr.) **(Fre)**

[Ectopic insertions of single ureters in children. Apropos of 9 cases] Haffaf Y, et al. **J Chir (Paris)** 1986 Jan;123(1):19–23 (Eng. Abstr.) **(Fre)**

[Retrograde ejaculation, a little known complication of ectopic ureterocele with ureteral duplication] Viville C, et al. **J Urol (Paris)** 1985;91(8):533–5 (Eng. Abstr.) **(Fre)**

[Simulation of a retroperitoneal mass by a rare anomaly in the path of the ureter] Holdeigel M. **ROFO** 1986 May; 144(5):605–6 **(Ger)**

[CT diagnosis of the retrocaval ureter] Kopp W, et al. **Rontgenblatter** 1985 Oct;38(10):329–31 (Eng. Abstr.) **(Ger)**

[Operative therapy of a refluxing double ureter in childhood] Friedrich U, et al. **Zentralbl Chir** 1985;110(16):1006–14 (Eng. Abstr.) **(Ger)**

[Postoperative uretero-vaginal fistula in a duplicated excretory system] Cortellini P, et al. **Acta Biomed Ateneo Parmense** 1985;56(3):143–8 (Eng. Abstr.) **(Ita)**

[An ectopic vaginal ureter with renal hypoplasia: analysis of a case] Mantovani F, et al. **Ann Ostet Ginecol Med Perinat** 1985 Jul–Aug;106(4):200–5 (Eng. Abstr.) **(Ita)**

[Solomon's epidermal nevus syndrome and its importance in urology] de Dominicis C, et al. **Minerva Urol Nefrol** 1986 Jan–Mar;38(1):59–63 (Eng. Abstr.) **(Ita)**

[Considerations on 3 cases of proximal blind branch bifid ureters and a case of caudal bifid ureter. A rare pathology?] Esposito C, et al. **Minerva Urol Nefrol** 1985 Jul–Sep; 37(3):317–20 (Eng. Abstr.) **(Ita)**

[A case of primary ureteral carcinoma in the duplicated renal pelvis and ureter diagnosed by transurethral uretero-renoscopy] Banya Y, et al. **Hinyokika Kiyo** 1986 Mar;32(3):454–61 (Eng. Abstr.) **(Jpn)**

[Ectopic ureteral opening in four males: including a case of inverted Y ureteral duplication] Kajikawa H, et al. **Hinyokika Kiyo** 1985 Nov;31(11):2039–48 (Eng. Abstr.) **(Jpn)**

[The ectopic ureter: a report of 7 cases] Kawamura N, et al. **Hinyokika Kiyo** 1985 Jul;31(7):1183–8 (Eng. Abstr.) **(Jpn)**

[Two ectopic openings of an unduplicated ureter into the bladder neck and the vagina: a case report] Miura T, et al. **Hinyokika Kiyo** 1985 May;31(5):833–7 (Eng. Abstr.) **(Jpn)**

[A case of combined anomaly of horseshoe kidney, retrocaval ureter and pelviureteric stenosis] Taguchi K, et al. **Hinyokika Kiyo** 1986 May;32(5):745–50 (Eng. Abstr.) **(Jpn)**

[Primary obstructed megaureter with preureteral vena cava and renal pelvic tumor: report of a case] Sugao H, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Sep;76(9):1413–8 (Eng. Abstr.) **(Jpn)**

[Results of the surgical treatment of vesico-ureteral reflux in children with double ureters] Fryczkowski M, et al. **Wiad Lek** 1985 Dec 15;38(24):1700–4 (Eng. Abstr.) **(Pol)**

[New methods of the surgical treatment of the sequelae of total ureter duplex in children] Witeska A. **Wiad Lek** 1985 Sep 1;38(17):1208–12 **(Pol)**

[Ectopy of and embryonally rudimentary accessory kidney and ureter] Minasian AM, et al. **Khirurgiia (Mosk)** 1985 Jul;(7):142–3 **(Rus)**

[Bilateral megacalycosis associated with megaureter] Rumiantseva GN, et al. **Urol Nefrol (Mosk)** 1986 May–Jun; (3):59–60 **(Rus)**

[Surgical treatment of congenital ureteral stenosis in children with double upper urinary tract] Bairov GA, et al. **Vestn Khir** 1985 Oct;135(10):86–9 (Eng. Abstr.) **(Rus)**

[Blind bifid ureter. Contribution of 2 cases] Lancina Martín JA, et al. **Actas Urol Esp** 1986 May–Jun;10(3):205–8 (Eng. Abstr.) **(Spa)**

[Retroiliac ureter] Nova Sánchez E, et al. **Actas Urol Esp** 1986 May–Jun;10(3):209–12 (Eng. Abstr.) **(Spa)**

[Ureteral triplication with reflux and ureterocele] Rodó Salas J, et al. **Arch Esp Urol** 1986 Jun;39(5):343–7 (Eng. Abstr.) **(Spa)**

[Ectopic ureter in the vagina] Sanjuán Rodríguez S, et al. **Arch Esp Urol** 1986 Mar;39(2):143–7 (Eng. Abstr.) **(Spa)**

[Renal dysplasia associated with an ectopic ureteral orifice into the vagina] Bidegaín MA, et al. **Rev Chil Pediatr** 1985 Jul–Aug;56(4):254–8 (Eng. Abstr.) **(Spa)**

ANALYSIS

The specific glycosphingolipid composition of human ureteral epithelial cells. Breimer ME, et al. **J Biochem (Tokyo)** 1985 Nov;98(5):1169–80

ANATOMY & HISTOLOGY

Surgical method of identifying the ureters during total vaginal hysterectomy. Cruikshank SH. **Obstet Gynecol** 1986 Feb;67(2):277–80

[The vesico-ureteral junction in children: its topography, structure and significance] Kernesiuk NL. **Vestn Khir** 1986 Apr;136(4):93–8 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

[Upper urinary tract functions; microcirculation in the ureteral wall at a time of increased pressure in the kidney pelvis and ureter] Shinsato S, et al. **Nippon Heikatsukin Gakkai Zasshi** 1985 Aug;21(4):292–4 **(Jpn)**

[Ureteral varices: a diagnosis to keep in mind] Domínguez Bravo C, et al. **Arch Esp Urol** 1986 May;39(4):231–5 (Eng. Abstr.) **(Spa)**

CYTOLOGY

Novel antigen system for tracking epithelial cell migration in serum-free culture. Kirk D, et al. **Exp Cell Res** 1985 Sep;160(1):221–9

Endocrine cells in renal pelvis and ureter, an immunohistochemical analysis. Fetissof F, et al. **J Urol** 1986 Feb;135(2):420–1

DRUG EFFECTS

Generation and transmission of ovine ureteral contractions, with special reference to prostaglandins. Thulesius O, et al. **Acta Physiol Scand** 1986 Aug;127(4):485–90

Investigations on the effect of metamizol on ureteral motility. Schroth HJ, et al. **Agents Actions [Suppl]** 1986;19:177–88

Are there valid reasons for using anti-muscarinic drugs in the management of renal colic? Tomiak RH, et al. **Br J Urol** 1985 Oct;57(5):498–9

Effects of noradrenaline, isoproterenol and acetylcholine on ureteral resistance. Morita T, et al. **J Urol** 1986 Jun; 135(6):1296–8

Effect of dobutamine on adenylate cyclase activity in rabbit renal pelvis and ureter. Kondo S, et al. **Tohoku J Exp Med** 1986 Jan;148(1):113–4

Effects of autonomic drugs on in vivo recording of electromyograms of canine renal pelvis and ureter. Kondo S, et al. **Urol Int** 1985;40(5):260–6

Effect of dibutyryl cyclic adenosine monophosphate on canine pelviureteral discharge potentials. Morita T, et al. **Urol Int** 1986;41(2):117–20

The effect of various drugs on canine ureteric peristalsis. Stower MJ, et al. **Urol Res** 1986;14(1):41–4

ENZYMOLOGY

[Effect of dobutamine and terbutaline on adenylate cyclase activity of the kidney pelvis and ureter in the adult rat] Kondo T, et al. **Nippon Heikatsukin Gakkai Zasshi** 1985 Aug;21(4):284–5 **(Jpn)**

[Effects of dobutamine and terbutaline on adenylate cyclase activity in rabbit renal pelvis and ureter] Kondo S, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Sep;76(9):1401–6 (Eng. Abstr.) **(Jpn)**

INJURIES

Ureteral injury in lumbar disc surgery. Krone A, et al. **Acta Neurochir (Wien)** 1985;78(3–4):108–12

Iatrogenic ureteral injury: aggressive or conservative treatment. Witters S, et al. **Am J Obstet Gynecol** 1986 Sep; 155(3):582–4

Rupture of the ureteropelvic junction by nonpenetrating trauma. Beamud-Gomez A, et al. **J Pediatr Surg** 1986 Aug; 21(8):702–5

The use of indwelling ureteral stents in managing ureteral injuries due to external violence. Steers WD, et al. **J Trauma** 1985 Oct;25(10):1001–3

Complications following ureteroscopy. Biester R, et al. **J Urol** 1986 Aug;136(2):380–2

Iatrogenic ureteral injury. Dowling RA, et al. **J Urol** 1986 May;135(5):912–5

Pseudoxanthoma elasticum and its urological implications. Heaton JP, et al. **J Urol** 1986 Apr;135(4):776–7

Ureteroscopy [editorial] Lytton B. **J Urol** 1986 Aug; 136(2):440

Traumatic ureteropelvic disruption in the child. Reda EF, et al. **Pediatr Radiol** 1986;16(2):164–6

Pathogenesis and management of ureteric injuries. Grizic AM, et al. **S Afr Med J** 1985 Nov 23;68(11):811–4

Complications of ureteroscopy. Lytton B. **Semin Urol** 1986 Aug;4(3):183–90

Avoiding ureteral injury during total vaginal hysterectomy. Cruikshank SH. **South Med J** 1985 Dec;78(12):1447–50

Conservative management of electrical burn injury of ureter secondary to laparoscopy. Winslow PH, et al. **Urology** 1986 Jan;27(1):60–2

[Repair of a severe ureteral injury by fallopian tube graft] Yu LF. **Chung Hua Fu Chan Ko Tsa Chih** 1985 Nov; 20(6):356–8, 384 (Eng. Abstr.) **(Chi)**

[Rupture of the ureter after a non-penetrating injury] Nicolaisen T. **Ugeskr Laeger** 1985 Jul 15;147(29):2308 (Eng. Abstr.) **(Dan)**

[Ureteral rupture caused by blunt abdominal trauma] Hanssen LH, et al. **Chirurg** 1986 Feb;57(2):107–8 **(Ger)**

[Traumatic injuries of the ureter, bladder and urethra in pelvic fractures] Hengst E, et al. **Radiol Diagn (Berl)** 1986; 27(2):163–77 (41 ref.) (Eng. Abstr.) **(Ger)**

[Uniform theory on the pathomechanism of closed renal stalk injuries—subpelvic ureteral ruptures and kidney vascular stalk lesions] Hallmann B, et al. **Z Urol Nephrol** 1985 Aug; 78(8):409–17 (Eng. Abstr.) **(Ger)**

[Labor in twin pregnancy complicated by anuria caused by ligation of both ureters during hysterectomy in atonia] Musierowicz A, et al. **Ginekol Pol** 1985 Nov;56(11):707–11 (Eng. Abstr.) **(Pol)**

[Combined injuries of the abdominal organs with ureteral damage] Ukhanov AP. **Urol Nefrol (Mosk)** 1986 May–Jun; (3):61–2 **(Rus)**

[Reno-ureteral gunshot injuries] Sanz Jaka JP, et al. **Actas Urol Esp** 1986 Jul–Aug;10(4):259–64 (Eng. Abstr.) **(Spa)**

[Ureteral lesions in gynecological surgery] Bengió RH, et al. **Rev Fac Cien Med Univ Nac Cordoba** 1984;42(3):22–7 (Eng. Abstr.) **(Spa)**

INNERVATION

Analysis of electrophysiological activity of the ureter muscle in the rabbit, in vivo (with wire electrodes). Magora A, et al. **Electromyogr Clin Neurophysiol** 1986 Jan–Feb; 26(1):57–61

METABOLISM

Lower intestinal modification of ureteral urine in hydrated house sparrows. Goldstein DL, et al. **Am J Physiol** 1986 Jan;250(1 Pt 2):R89–95

PATHOLOGY

Inverted papilloma of the renal pelvis. Cytologic features of ureteral washings. Taylor FM 3d, et al. **Acta Cytol (Baltimore)** 1986 Mar–Apr;30(2):166–8

Investigations of dilated ureters in children. Schneider K, et al. **Ann Radiol (Paris)** 1986;29(3–4):424–8

Transitional neonatal hydronephrosis: fact or fantasy? Homsy YL, et al. **J Urol** 1986 Jul;136(1 Pt 2):339–41

Sonographic evaluation of the rejecting ureter. Hricak H, et al. **Urol Radiol** 1986;8(1):25–31

[The megaureter–megabladder syndrome. Apropos of a case] Aragona F, et al. **J Chir (Paris)** 1986 Jan;123(1):27–9 (Eng. Abstr.) **(Fre)**

[Multifocal malacoplakia in the urinary tract] Johansen TE, et al. **Tidsskr Nor Laegeforen** 1985 Sep 10;105(25):1688–90 (Eng. Abstr.) **(Nor)**

[Acute necrosis of the upper segment of the ureter] Baev VA, et al. **Urol Nefrol (Mosk)** 1986 Mar–Apr;(2):62–3 **(Rus)**

PHYSIOLOGY

The effect of nephrectomy and ureter ligation on plasma neurotensin-like immunoreactivity levels in the conscious rat. Theodorsson-Norheim E, et al. **Acta Physiol Scand** 1985 Mar;123(3):269–72

Renal vasodilation with ureteral occlusion and prostaglandins: attenuation by histamine H1 antagonists. Banks RO, et al. **Am J Physiol** 1985 Dec;249(6 Pt 2):F851–7

Partitioning of regulatory sites in Bufo marinus during hypercapnia. Tufts BL, et al. **J Exp Biol** 1985 Nov; 119:199–209

Renal function in the fetal lamb: a chronic model to study physiological effects of ureteral ligation and deligation. Bellinger MF, et al. **J Urol** 1986 Jul;136(1 Pt 2):225–8

Effect of calyceal resection on pelviureteral peristalsis in isolated pig kidney. Morita T, et al. **J Urol** 1986 Jan; 135(1):151–4

Short-term screening of promoters of bladder carcinogenesis in N-butyl-N-(4-hydroxybutyl)nitrosamine-initiated, unilaterally ureter-ligated rats. Miyata Y, et al. **Jpn J Cancer Res** 1985 Sep;76(9):828–34

Evaluation of the pelvioureteral function through a new urine bolusmetry: simultaneous measurement of urine bolus volume and electroureterogram. Harada T, et al. **Nippon Heikatsukin Gakkai Zasshi** 1985 Dec;21(6):467–80

Motility of the human ureter, with special reference to the effect of indomethacin. Angelo-Khattar M, et al. **Scand J Urol Nephrol** 1985;19(4):261–5

Relationship between pelviureteral peristaltic frequency and urine flow change evoked by autonomic drug administration. Morita T, et al. **Tohoku J Exp Med** 1985 Jul;146(3):265–71

Changes in the ureteral peristaltic rate and the bolus volume in gradual and rapid urinary flow increase. Saeki H, et al. **Tohoku J Exp Med** 1985 Jul;146(3):273–5

Simulation of physiological ureteral peristalsis. Graw M, et al. **Urol Int** 1986;41(1):1–8

The role of ureteral peristaltic rate and bolus volume on increasing urine flow. Saeki H, et al. **Urol Int** 1986; 41(3):174–9

Contractile behaviour of the human pyelo-ureteral musculature. II. Repetitive electrical stimulation effects. Vereecken RL, et al. **Urol Res** 1986;14(1):31–5

Contractile behaviour of the human pyelo-ureteral musculature. I. Contraction frequency/force relationship. Vereecken RL, et al. **Urol Res** 1986;14(1):25–30

[Ureteral compliance and sectional dimensions measured by the impedance method] Harada T, et al. **Nippon Heikatsukin Gakkai Zasshi** 1985 Aug;21(4):290–2 **(Jpn)**

[Studies on the function of the upper urinary tract. XXI. Urine transporting ability in the aperistaltic pelvi-ureteral system in dogs] Akasaka T, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Jun;76(6):859–64 (Eng. Abstr.) **(Jpn)**

[Pressure-flow study of the upper urinary tract. 1. Pressure-flow study of the normal human ureter] Takahashi K, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 May;77(5):806–12 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

The effects of double J stenting on unobstructed ureters. An experimental and clinical study. Ramsay JW, et al. **Br J Urol** 1985 Dec;57(6):630–4

[The maximum muscular active tension and contractile protein content in dilated ureteral obstruction] Yamaguchi O, et al. **Nippon Heikatsukin Gakkai Zasshi** 1985 Aug; 21(4):282–3 **(Jpn)**

[Functional state of the kidneys and urinary tract in scoliosis] Akhmedov ShB, et al. **Ortop Travmatol Protez** 1985 Aug; (8):23–6 (Eng. Abstr.) **(Rus)**

[Intraureteral and pelvic electroureterography using diuretics in the functional diagnosis of hydronephrosis and neuromuscular dysplasia of the ureter] Golubev IuG. **Urol Nefrol (Mosk)** 1985 Jul–Aug;(4):41–4 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Radiation damage to the rat ureter. Knowles JF, et al. **Br J Cancer [Suppl]** 1986;7:277–9

Radiation-induced hydronephrosis in the rat: a new experimental model. Knowles JF. **Int J Radiat Biol** 1985 Nov;48(5):737–44

RADIOGRAPHY

Ureteral diameter in low-risk vesicoureteral reflux in infancy and childhood. Hellström M, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Jan–Feb;27(1):77–83

Normal ureteral diameter in infancy and childhood. Hellström M, et al. **Acta Radiol [Diagn] (Stockh)** 1985 Jul–Aug;26(4):433–9

Racial variations in normal ureteric course. Adam EJ, et al. **Clin Radiol** 1985 Jul;36(4):373–5

Computed tomography demonstration of traumatic suburothelial hemorrhage. Mirich D, et al. **J Comput Tomogr** 1986 Jan;10(1):71–2

Solitary filling defects of the ureter. Fein AB, et al. **Semin Roentgenol** 1986 Jul;21(3):201–13 (55 ref.)

[Ureteral leakage diagnosed by computed tomography] Christensen T, et al. **Ugeskr Laeger** 1986 Jul 28; 148(31):1971–2 (Eng. Abstr.) **(Dan)**

RADIONUCLIDE IMAGING

Accumulation of technetium-99m MDP in distended ureter. A potential error in diagnosing osteoblastic bone activity. Garty I, et al. **Clin Nucl Med** 1985 Sep;10(9):667

[Retrograde radioisotope cystography in the diagnosis of vesicorenal reflux in children] Kliment J, et al. **Cesk Pediatr** 1985 Dec;40(12):723–6 (Eng. Abstr.) **(Slo)**

SURGERY

Biofeedback for the treatment of anal incontinence in a child with ureterosigmoidostomy. Duckro PN, et al. **Biofeedback Self Regul** 1985 Dec;10(4):325–33

Pyeloureterostomy or ureteroneocystostomy in renal transplantation? Landau R, et al. **Br J Urol** 1986 Feb; 58(1):6–11

Surgical intervention in dilated bilharzial ureters. Pawar HN. **Br J Urol** 1984 Jun;56(3):276–9

An experimental study of hydrophilic plastics for urological use. Ramsay JW, et al. **Br J Urol** 1986 Feb;58(1):70–4

Assessment of collagen film for use in urinary tract surgery. Scott R, et al. **Br J Urol** 1986 Apr;58(2):203–7

Carcinoma of the colon as a late complication of ureterosigmoidostomy. Urwin GH, et al. **Br J Urol** 1986 Jun;58(3):341–2

Re: Management of recurrent urinary stress incontinence by the Marshall-Marchetti-Krantz vesicourethropexy [letter] Loughlin KR, et al. **J Urol** 1985 Nov;134(5):975

Dismembered nonstented ureteroureterostomy using the carbon dioxide laser in the rabbit: comparison with suture anastomosis. Merguerian PA, et al. **J Urol** 1986 Jul;136(1 Pt 2):229–31

The role of dysfunctional voiding in failure or complication of ureteral reimplantation for primary reflux. Noe HN. **J Urol** 1985 Dec;134(6):1172–5

Posterior surgical approach to the kidney and upper ureter. Qureshi AL. **JPMA** 1985 Nov;35(11):334–7

Percutaneous placement of soft, indwelling ureteral stent. Bettmann MA, et al. **Radiology** 1985 Dec;157(3):817–8

Upper urinary tract calculi: extrusion into perinephric and periureteric tissues during percutaneous management. Verstandig AG, et al. **Radiology** 1986 Jan;158(1):215–8

Renal transplantation in primary reflux nephropathy without nephro-ureterectomy. A report of 4 cases. Pontin AR, et al. **S Afr Med J** 1985 Oct 12;68(8):593–6

Reimplantation of ureters for primary reflux nephropathy in end-stage renal failure. Pontin AR, et al. **Transplant Proc** 1986 Aug;18(4):974–5

Management of hydronephrosis in a kidney transplant patient. Case report. Larson A, et al. **Ups J Med Sci** 1985; 90(2):115–8

Long-term ureterostomy with suprapubic intravesical drainage used to bypass severe schistosomal obstructive uropathy—preliminary report. Abu-Aisha H, et al. **Urol Res** 1985;13(5):263–6

External ureteroneocystostomy in renal transplantation. Cos LR, et al. **Urology** 1985 Oct;26(4):362–7

Ureteral intussusception catheter for one-incision nephroureterectomy. Kaye KW. **Urology** 1986 Apr; 27(4):358–9

Spontaneous vesicoileal fistula two years post ureteroileoneocystostomy undiversion. Klein FA, et al. **Urology** 1985 Oct;26(4):393–5

Ureteral dilatation. Meagher MJ. **Urology** 1986 Aug;28(2):144

[Ureteroplasty using a piece of polyglactin. Experimental study in the dog. Preliminary results] Amory JP, et al. **Acta Urol Belg** 1985;53(4):703–17 (Eng. Abstr.) **(Fre)**

[Ureterovesicle reimplantation by the extravesicular anterior approach. Analysis of 800 primary transplantations] Lefebvre YJ, et al. **Acta Urol Belg** 1986;54(2):152–9 (Eng. Abstr.) **(Fre)**

[Comments on the article "Restoration of urinary continuity in renal transplantation"] Vallancien G. **Ann Urol (Paris)** 1985;19(6):399 **(Fre)**

[Stenosis and reflux after surgery of the ureterovesical junction in children. Indications and results of reoperation. Apropos of 460 ureterovesical reimplantations] Viville C. **J Urol (Paris)** 1985;91(8):509–17 (Eng. Abstr.) **(Fre)**

[Urologic complications of renal transplantation. Role of the length of the ureter] Benoit G, et al. **Presse Med** 1986 Jan 25;15(3):101–4 (Eng. Abstr.) **(Fre)**

[Replacement of the ureter] Boillat JJ, et al. **Schweiz Rundsch Med Prax** 1985 Nov 5;74(45):1231–3 (Eng. Abstr.) **(Fre)**

[Experiences using transureterureterostomy II (TUUS) as a possibility in supravesicle urinary diversion] Oehler D, et al. **Z Urol Forthild (Jena)** 1986;80(5):221–4 **(Ger)**

[Results of treatment following 474 Leadbetter-Politano ureterocystoneostomies in vesicorenal reflux] Hinselmann D, et al. **Z Kinderchir** 1986 Jun;41(3):160–2 (Eng. Abstr.) **(Ger)**

[Ureterocystoneostomy using the psoas hitch technic—outside variant] Perović S, et al. **Z Kinderchir** 1986 Jun;41(3):163–6 (Eng. Abstr.) **(Ger)**

[Experience with a transurethral removal of the ureter in total nephroureterectomy] Inada F, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Aug;76(8):1119–24 (Eng. Abstr.) **(Jpn)**

[Psoic bladder: a good alternative in the replacement of the terminal ureter] Wroclawski ER, et al. **Rev Paul Med** 1985 Mar–Apr;103(2):75–8 (Eng. Abstr.) **(Por)**

[New approach to the pelvic ureter] Proca E. **Rev Chir [Chir]** 1985 Sep–Oct;34(5):321–32 (Eng. Abstr.) **(Rum)**

[External prosthesis of the ureter in retroperitoneal fibrosis] Mazo EB, et al. **Urol Nefrol (Mosk)** 1986 May–Jun;(3):20–5 (Eng. Abstr.) **(Rus)**

[Operations on the vesicoureteral segment and bladder of children using a CO2 laser] Nikol'skiĭ AD, et al. **Urol Nefrol (Mosk)** 1985 Nov–Dec;(6):9–13 (Eng. Abstr.) **(Rus)**

[Surgical treatment of compression of the parapelvic portion of the ureter by the lower polar renal vessels in children] Babloian AS. **Vestn Khir** 1986 Feb;136(2):82–5 (Eng. Abstr.) **(Rus)**

URETERAL CALCULI

COMPLICATIONS

Transient atrial fibrillation in a patient with acute ureterolithiasis. Vargo BP. **J Emerg Med** 1985;2(3):169–73

Urinary tract infection with septicaemia due to Staphylococcus saprophyticus in a patient with a ureteric calculus [letter] Olafsen LD, et al. **J Infect** 1986 Jul; 13(1):92–3

[Percutaneous nephrostomy for unusual complications occurring in patients with ureteral stones: a report of two cases] Nishino A, et al. **Hinyokika Kiyo** 1986 Jan;32(1):85–9 (Eng. Abstr.) **(Jpn)**

[Obstructive calculous pyelonephritis in children] Sulaĭmanov AS, et al. **Vestn Khir** 1986 May;136(5):100–1

(Rus)

DIAGNOSIS

Ureteral infection stones. Bahnson RR, et al. J Urol 1986 Jul;136(1):87–9
Complications of ureteroscopy. Lytton B. Semin Urol 1986 Aug;4(3):183–90
Ultrasound findings in urolithiasis in the lower ureter. Ohnishi K, et al. Ultrasound Med Biol 1986 Jul;12(7):577–9
[Clinical experience with rigid ureteropyeloscopy] Guo YL, et al. Chung Hua Wai Ko Tsa Chih 1986 Feb;24(2):71–2, 124 (Eng. Abstr.) (Chi)

DRUG THERAPY

Prostaglandin synthetase inhibition with indomethacin rectal suppositories in the treatment of acute and chronic urinary calculus obstruction. Al-Waili NS.
Clin Exp Pharmacol Physiol 1986 Mar;13(3):195–9
Glucagon in acute ureteral colic. A randomized trial. Bahn Zobbe V, et al. Eur Urol 1986;12(1):28–31
[Clinical application and experimental studies of progesterone in the treatment of ureteral stones] Dong HS, et al.
Chung Hua Wai Ko Tsa Chih 1986 Feb;24(2):77–8, 124 (Eng. Abstr.) (Chi)
[Treatment of acute pain due to ureteral calculi with intravenous indomethacin or pethidine] Lund PG, et al. Ugeskr Laeger 1986 Jun 23;148(26):1601–4 (Eng. Abstr.) (Dan)
[Treatment of acute biliary and kidney/urether pain. A comparative study of the effects of intravenous injections of buprenorphine, indomethacin and pethidine] Viksmoen L, et al. Tidsskr Nor Laegeforen 1986 May 20; 106(13):1104–8 (Nor)

ECONOMICS

A success and cost analysis study of the methods of managing impacted lower ureteric calculi. Brown RB.
Aust NZ J Surg 1985 Feb;55(1):51–4

ETIOLOGY

Massive incrustation on silicone ureteral stent: a severe complication. Cranidis A, et al. Int Urol Nephrol 1985; 17(4):319–22
Primary liquid intake and urinary stone disease. Shuster J, et al. J Chronic Dis 1985;38(11):907–14
[A case of right ureteral stone with complete deficiency of adenine phosphoribosyltransferase] Ito T, et al.
Hinyokika Kiyo 1985 Aug;31(8):1453–8 (Eng. Abstr.) (Jpn)

METABOLISM

Studies on the composition and structure of urinary calculi by infrared spectroscopy, polarizing microscopy and scanning electron microscopy. Sun XZ, et al.
J Tongji Med Univ 1986;6(2):104–8
[Milk of calcium calculi: a new composition] García Cuerpo E, et al. Actas Urol Esp 1985 Sep-Oct;9(5):445–8 (Eng. Abstr.) (Spa)
[Presence of bile pigments in urinary calculi] Rodríguez Rebollo T, et al. Arch Esp Urol 1985 Nov-Dec; 38(6):567–71 (Eng. Abstr.) (Spa)

PHYSIOPATHOLOGY

Intraprocedural passage of an obstructing ureteral calculus. Machen BC, et al. J Comput Tomogr 1986 Apr;10(2):135–7

SURGERY

Intercostal-space nephrostomy for percutaneous stone removal. Picus D, et al. AJR 1986 Aug;147(2):393–7
Conservative treatment of ureteric stones. Ureteric stones—surgical intervention. Ala-Kulju K, et al.
Ann Chir Gynaecol 1985;74(6):284–7
Surgical treatment of ureteric stones. Hjortrup A, et al.
Ann Chir Gynaecol 1986;75(1):48–50
Fibrin adhesive sealing of ureter after ureteral stone surgery. A controlled clinical trial. Schultz A, et al. Eur Urol 1985; 11(4):267–8
Percutaneous nephrostolithotomy. An alternative to open renal surgery. Short KL, et al. J Ky Med Assoc 1985 Oct; 83(10):554–60
Hydrophilic graft copolymers: a new concept in urological surgery. Miller RA, et al. J Med Eng Technol 1985 Sep-Oct;9(5):205–8
Role of endoscopic surgery in management of renal and ureteric calculi: a review. Miller RA. J R Soc Med 1985 Dec;78(12):1034–8 (36 ref.)
Re: Percutaneous ureterolithotomy [letter] Miller RA, et al. J Urol 1986 Aug;136(2):478
Ureteral calculi: percutaneous removal using modified basket extractors and fluoroscopy. Hare WS. Radiology 1986 Jul; 160(1):189–92
Upper urinary tract calculi: extrusion into perinephric and periureteric tissues during percutaneous management. Verstandig AG, et al. Radiology 1986 Jan;158(1):215–8
Practical exchange technique for removal of ureteral calculi. Daughtry JD, et al. Urology 1985 Nov;26(5):504–5
Endoscopic transvesical lower ureterolithotomy. Li R, et al. Urology 1986 Jun;27(6):555
[Single-stage surgical treatment of bilateral nephroureterolithiasis] Patrashkov T, et al.
Khirurgiia (Sofiia) 1985;38(4):60–4 (Eng. Abstr.) (Bul)
[Anterograde ureteroscopy in the extraction of lumbar ureteral calculi] Vallancien G, et al. Ann Urol (Paris) 1986; 20(3):166–70 (Eng. Abstr.) (Fre)
[Results of the percutaneous extraction of calculi of the kidney and ureter. Apropos of 124 cases] Ballanger P.
J Urol (Paris) 1986;92(1):11–6 (Eng. Abstr.) (Fre)
[Peroperative ultrasonics in excision of renal and ureteral calculi by the surgical approach. Apropos of 30 cases] Plainfosse MC, et al. J Urol (Paris) 1985;91(3):167–74 (Eng. Abstr.) (Fre)
[Percutaneous nephroureterolithotomy. IV. Especially concerning maneuver with forceps] Nishimura T, et al.
Nippon Hinyokika Gakkai Zasshi 1986 Jan;77(1):1–4 (Eng. Abstr.) (Jpn)
[Percutaneous extraction of urinary stones (2nd report)] Tanahashi Y, et al. Nippon Hinyokika Gakkai Zasshi 1985 Sep;76(9):1314–22 (Eng. Abstr.) (Jpn)
[A comparative study between classical lumbotomy and percutaneous nephrolithotomy in the treatment of renal lithiasis] Netto Júnior NR, et al. Rev Paul Med 1986 Jan-Feb;104(1):38–40 (Eng. Abstr.) (Por)
[Removal of renal and ureteral calculi via a nephrostomy fistula] Morozov AV, et al. Urol Nefrol (Mosk) 1985 Jul-Aug;(4):30–2 (Eng. Abstr.) (Rus)
[The anterior transperitoneal approach in surgery of reno–ureteral lithiasis: our experience] Torres Ramírez C, et al. Arch Esp Urol 1985 Jul-Aug;38(4):381–91 (Eng. Abstr.) (Spa)

THERAPY

Endoscopic management of upper urinary tract stones. Tolley DA, et al. Ann R Coll Surg Engl 1986 Mar;68(2):70–2
Extracorporeal shockwave lithotripsy, endourology and open surgery: the management and follow-up of 200 patients with urinary calculi. Webb DR, et al.
Ann R Coll Surg Engl 1985 Nov;67(6):337–40
Ureteroscopy. Using endoscopes for ureterolithotripsy. Cubler AJ, et al. AORN J 1985 Dec;42(6):853–8
Endoscopic management of upper urinary tract stones. Payne SR, et al. Br J Surg 1985 Oct;72(10):822–4
Stones, lithotripters, trials, and arguments [editorial] Dudley HA. Br Med J [Clin Res] 1986 Mar 29;292(6524):846–7
Complications following ureteroscopy. Biester R, et al.
J Urol 1986 Aug;136(2):380–2
Two cases of ureteroscopy and attempted stone disintegration complicated by disruption of the burr tip of the ultrasonic probe. Dalton JR, et al. J Urol 1986 Apr;135(4):778–9
Endourological treatment of ureteral calculi. Kahn RI.
J Urol 1986 Feb;135(2):239–43
Ureteroscopy: the initial experience. Keating MA, et al.
J Urol 1986 Apr;135(4):689–93
Ureteral stone management: emerging concepts. Lingeman JE, et al. J Urol 1986 Jun;135(6):1172–4
Extracorporeal shock wave lithotripsy: the Methodist Hospital of Indiana experience. Lingeman JE, et al.
J Urol 1986 Jun;135(6):1134–7
Extracorporeal shock wave lithotripsy of ureteral stones: clinical experience and experimental findings. Mueller SC, et al. J Urol 1986 Apr;135(4):831–4
Methodology for endoscopic treatment of ureteral calculi. Netto Júnior NR, et al. J Urol 1986 May;135(5):909–11
Extracorporeal shock wave lithotripsy experience in children. Newman DM, et al. J Urol 1986 Jul;136(1 Pt 2):238–40
Stone extraction from lower ureter [letter] Peterson CG Jr. J Urol 1986 Aug;136(2):478
Percutaneous removal of kidney stones: review of 1,000 cases. Segura JW, et al. J Urol 1985 Dec;134(6):1077–81
Late sequelae of the management of ureteral calculi with the ureterorenoscope. Stacki W, et al. J Urol 1986 Aug; 136(2):386–9
Percutaneous stone removal in children. Woodside JR, et al. J Urol 1985 Dec;134(6):1166–7
Initial experience with a pulsed dye laser for ureteric calculi. Watson GM, et al. Lancet 1986 Jun 14;1(8494):1357–8
Glucagon and ureteric calculi. Webb DR, et al.
Med J Aust 1986 Feb 3;144(3):124
Upper and midureteral calculi: percutaneous extraction with an occlusion balloon catheter. Beckmann CF, et al.
Radiology 1986 Jun;159(3):643–5
Extracorporeal shock wave lithotripsy of ureteral stones. Riehle RA Jr. Semin Urol 1986 Aug;4(3):175–82
Forceps extraction of ureteral stones. Daughtry JD, et al. Urology 1986 Feb;27(2):179–83
[Extracorporeal shockwave lithotripsy. Its application in pyelocaliceal and upper ureteral calculi] Cukier J, et al. Chirurgie 1985;111(4):321–5 (Eng. Abstr.) (Fre)
[Technic and results of ureteroscopy for ureteral lithiasis. Apropos of 54 ureteroscopies] Gelet A, et al.
J Urol (Paris) 1985;91(5):251–5 (Eng. Abstr.) (Fre)
[Lithotripsy and litholapaxy. Toward the disappearance of surgery of the renal calculus] Deslarzes C.
Rev Med Suisse Romande 1986 Jun;106(6):565–77 (Fre)
[Nonoperative treatment of ureteral calculi] Schmeller N, et al. Helv Chir Acta 1985 Sep;52(3–4):477–80 (Eng. Abstr.) (Ger)
[Percutaneous litholapaxy: a routine method?] Senn E, et al. Helv Chir Acta 1985 Sep;52(3–4):481–3 (Eng. Abstr.) (Ger)
[Percutaneous transrenal extraction of stones from the upper ureter] Meretyk S, et al. Harefuah 1985 Dec 15; 109(12):381–3 (Eng. Abstr.) (Heb)
[Experience in using a ureterorenoscope in 14 cases] Aoki H, et al. Hinyokika Kiyo 1985 Jul;31(7):1123–30 (Eng. Abstr.) (Jpn)
[Clinical experiences of renal and upper ureter stone by extracorporeal shock wave lithotripsy (ESWL). II: 3-month follow-up of cases treated with ESWL] Kato S, et al. Hinyokika Kiyo 1985 Aug;31(8):1317–20 (Eng. Abstr.) (Jpn)
[Transurethral ureteroscopic removal of ureteral calculi] Kawamura N, et al. Hinyokika Kiyo 1986 Apr;32(4):533–9 (Eng. Abstr.) (Jpn)
[Percutaneous nephroureterolithotomy] Tanahashi Y.
Hinyokika Kiyo 1985 Jul;31(7):1287–91 (Eng. Abstr.) (Jpn)
[A case of successful removal of a ureteral stone by using the Rutner balloon dilatation helical stone extractor: accompanied with percutaneous nephrolithotomy] Yui Y, et al. Hinyokika Kiyo 1985 Jun;31(6):1037–40 (Eng. Abstr.) (Jpn)
[Clinical experiences of renal and upper ureter stones by extracorporeal shock wave lithotripsy (ESWL)] Tanda H, et al. Nippon Hinyokika Gakkai Zasshi 1985 Dec; 76(12):1770–83 (Eng. Abstr.) (Jpn)
[Physical methods in the treatment of patients with kidney and ureteral calculi] Li AA.
Vopr Kurortol Fizioter Lech Fiz Kult 1985 Jul-Aug;(4):65–8 (29 ref.) (Rus)
[Use of Dormia's catheter: review of 100 cases] Leunda Saizar J, et al. Actas Urol Esp 1986 Jul-Aug;10(4):231–8 (Eng. Abstr.) (Spa)

URETERAL DISEASES

Staghorn blood clot voided spontaneously from the urinary tract. Ronchi F, et al. Br J Urol 1984 Jun;56(3):337
The ureter. Semin Roentgenol 1986 Jul;21(3):163–237

COMPLICATIONS

Massive haematuria due to an ilio-ureteric fistula. Beard JD, et al. Br J Urol 1986 Jun;58(3):332
Anuria in a premature infant due to ureteropelvic fungal bezoars. Laufer J, et al. Eur J Pediatr 1986 Apr; 145(1-2):125–7
[Roentgenologic changes in the lungs of patients with urinary schistosomiasis] Novikov VP, et al.
Vestn Rentgenol Radiol 1985 Sep-Oct;(5):22–5 (Eng. Abstr.) (Rus)
[Ureteral colic without evidence of nephrolithiasis or other causes] Klarica J. Lijec Vjesn 1986 Apr;108(4):130–4 (Eng. Abstr.) (Ser)
[Cystic ureteritis and urothelial neoplasm] Camacho González JE, et al. Arch Esp Urol 1985 May-Jun; 38(3):285–90 (Eng. Abstr.) (Spa)

CONGENITAL

Congenital abnormalities of the ureter. Young DW, et al.
Semin Roentgenol 1986 Jul;21(3):172–87 (22 ref.)

DIAGNOSIS

The rigid ureteropyeloscope: description and applications. Finan BF, et al. J Arkansas Med Soc 1985 Aug;82(3):150–1
Ureteroscopy: the initial experience. Keating MA, et al.
J Urol 1986 Apr;135(4):689–93
Ureteroscopy [editorial] Lytton B. J Urol 1986 Aug; 136(2):440
Ureteropyeloscopy in the evaluation of upper tract filling defects. Streem SB, et al. J Urol 1986 Aug;136(2):383–5
Ureteral herniation: case report and literature review. Burstein JD, et al. Mt Sinai J Med (NY) 1986 Feb; 53(2):134–6
Endometriosis of ureter. Stillwell TJ, et al. Urology 1986 Aug;28(2):81–5
[Uretero-nephroscopy. Personal experience] Graziotti P, et al. J Urol (Paris) 1985;91(3):181–3 (Eng. Abstr.) (Fre)
[A case of hernia of the ureter in the sciatic foramen] Garritano A, et al. Minerva Urol Nefrol 1985 Jul-Sep; 37(3):315–6 (Eng. Abstr.) (Ita)
[Urinary extravasation. Report of five cases and review] Kurokawa K, et al. Nippon Hinyokika Gakkai Zasshi 1986 Apr;77(4):659–66 (Eng. Abstr.) (Jpn)

DRUG THERAPY

Nifedipine and ureteral colic [letter] McCormack M, et al.
Ann Intern Med 1986 Apr;104(4):590
Nifedipine and ureteral colic [letter] Viskin S, et al.
Ann Intern Med 1986 Jul;105(1):142
Indomethacin in the treatment of ureteral colic: is fluid restriction necessary? Edna TH, et al. J Urol 1986 Aug; 136(2):390–2
[Medical therapy of ureteral colic and biliary colic with rociverin and a rociverin-lysine acetylsalicylate combination. Clinical study] Rossi M, et al.
Minerva Dietol Gastroenterol 1985 Oct-Dec;31(4):665–71 (Eng. Abstr.) (Ita)
[Sodium diclofenac in ureteral colic. Comparative double-blind study with placebo] Broggini M, et al.
Minerva Urol Nefrol 1985 Oct-Dec;37(4):493–7 (Eng. Abstr.) (Ita)
[Clinical effect of buprenorphine in ureteral colic] Ikeda A,

et al. **Hinyokika Kiyo** 1986 Apr;32(4):619–23 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Non-specific segmental ureteritis. Kimche D, et al. **Br J Urol** 1986 Feb;58(1):104–5

Clinical significance of minimal changes on intravenous urography after spinal cord injury. Kuhlemeier KV, et al. **Br J Urol** 1986 Jun;58(3):256–60

Eosinophilic nephro–ureteritis. Massey JA. **Br J Urol** 1986 Feb;58(1):107

The role of the ileal conduit in the development of upper tract dilatation. Neal DE, et al. **Br J Urol** 1985 Oct; 57(5):520–4

Spontaneous rupture of the ureter of a patient with Cushing's syndrome. Fuse H, et al. **Eur Urol** 1985;11(5):346–7

Common iliac artery–ureteral fistula: case report and literature review. Ahlborn TN, et al. **J Vasc Surg** 1986 Jan;3(1):155–8

Multiple and diffuse ureteral filling defects. Williamson B Jr, et al. **Semin Roentgenol** 1986 Jul;21(3):214–23

[A case of uretero–uterine fistula following cesarean section treated by uretero–ureterostomy] Docquier J. **Acta Urol Belg** 1986;54(1):57–9 (Eng. Abstr.) **(Fre)**

[Ureteral invagination caused by a fibroepithelial polyp of the ureter. Apropos of a case] Haupert S, et al. **Ann Urol (Paris)** 1985;19(6):403–5 (Eng. Abstr.) **(Fre)**

[Stenosis of the ureter in the development of Crohn's disease] Desrousseaux B, et al. **Chir Pediatr** 1985;26(6):373–6 (Eng. Abstr.) **(Fre)**

[2 cases of uretero–arterial fistula] Dauplat J, et al. **J Urol (Paris)** 1985;91(7):457–61 (Eng. Abstr.) **(Fre)**

[Spontaneous rupture of the ureter] Akkilic M, et al. **Z Urol Nephrol** 1985 Aug;78(8):419–22 (Eng. Abstr.) **(Ger)**

[Postoperative uretero–vaginal fistula in a duplicated excretory system] Cortellini P, et al. **Acta Biomed Ateneo Parmense** 1985;56(3):143–8 (Eng. Abstr.) **(Ita)**

[Urogenital fistulas after gynecologic operations] Sikorski A, et al. **Ginekol Pol** 1985 Sep;56(9):557–62 (Eng. Abstr.) **(Pol)**

[Uretero–intestinal fistula as a complication of nephrectomy] Milewski JB, et al. **Wiad Lek** 1985 Jul 1;38(13):958–60 (Eng. Abstr.) **(Pol)**

[Ureteral fistula after renal transplant. Surgical treatment] Muruamendiaraz V, et al. **Arch Esp Urol** 1986 Jun; 39(5):313–8 (Eng. Abstr.) **(Spa)**

METABOLISM

Ureteral occlusion decreases phospholipid and cholesterol of renal tubular membranes. Morrissey J, et al. **Am J Physiol** 1986 Jan;250(1 Pt 2):F136–43

PATHOLOGY

[Pyeloureteritis cystica: report of a case] Komeda H, et al. **Hinyokika Kiyo** 1986 May;32(5):740–4 (Eng. Abstr.) **(Jpn)**

[A case of megaureter] Okano M, et al. **Hinyokika Kiyo** 1986 May;32(5):764–8 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Solitary filling defects of the ureter. Fein AB, et al. **Semin Roentgenol** 1986 Jul;21(3):201–13 (55 ref.)

Multiple and diffuse ureteral filling defects. Williamson B Jr, et al. **Semin Roentgenol** 1986 Jul;21(3):214–23

RADIOGRAPHY

Spontaneous healing of uretero–vesico–vaginal fistulas. Alonso Gorrea M, et al. **Eur Urol** 1985;11(5):341–3

The dilated ureter. Pfister RC, et al. **Semin Roentgenol** 1986 Jul;21(3):224–35 (62 ref.)

[Transient stenosing ureteritis in childhood. A rare complication of rheumatoid purpura] Beluffi G, et al. **Radiol Med (Torino)** 1985 Sep;71(9):602–5 (Eng. Abstr.) **(Ita)**

[A case of cystic pyelo–ureteritis] Prieto Acero M, et al. **Arch Esp Urol** 1986 May;39(4):287–91 (Eng. Abstr.) **(Spa)**

RADIONUCLIDE IMAGING

Urine extravasation into the scrotum. Noel AW, et al. **J Nucl Med** 1986 Jun;27(6):807–9

SURGERY

Tuberculous stricture of ureter. A new method of intubated ureterotomy. Osborn DE, et al. **Br J Urol** 1986 Feb; 58(1):103–4

Percutaneous ureteral surgery. Badlani GH, et al. **Semin Urol** 1986 Aug;4(3):191–7

[Water–electrolyte disturbances caused by transjejunal cutaneous ureterostomy] Delhumeau A, et al. **Cah Anesthesiol** 1985 Aug–Sep;33(5):391–4 **(Fre)**

[Ureteral endoprostheses. Reflections apropos of 40 cases] Mazeman E, et al. **Chirurgie** 1985;111(3):291–300 (Eng. Abstr.) **(Fre)**

[Replacement of the ureter] Boillat JJ, et al. **Schweiz Rundsch Med Prax** 1985 Nov 5;74(45):1231–3 (Eng. Abstr.) **(Fre)**

[Experiences using transureterureterostomy II (TUUS) as a possibility in supravesicle urinary diversion] Oehler D, et al. **Z Aerztl Fortbild (Jena)** 1986;80(5):221–4 **(Ger)**

[Effectiveness of the surgical treatment of patients with tuberculosis of the kidneys and urinary tract] Abdumuminov AA, et al. **Probl Tuberk** 1986;(5):52–5 (Eng. Abstr.) **(Rus)**

[Treatment of ureteral neuromuscular dysplasia] Zhitnikova LN. **Urol Nefrol (Mosk)** 1985 Nov–Dec;(6):13–6 (Eng. Abstr.) **(Rus)**

[Rare forms of ureteral pathology in surgical practice] Shapkin AG, et al. **Vestn Khir** 1986 Feb;136(2):59–63 (Eng. Abstr.) **(Rus)**

[Autotransplantation of the kidney in tuberculosis] Shapkin AG, et al. **Vestn Khir** 1985 Nov;135(11):94–7 (Eng. Abstr.) **(Rus)**

THERAPY

The management of severe ureteric anomalies in infancy. Rothwell DL, et al. **Aust NZ J Surg** 1985 Jun;55(3):263–8

[Use of a self–contained stent in the treatment of patients with cavernous renal tuberculosis with ureteral lesion] Mochalova TP, et al. **Probl Tuberk** 1986;(6):43–6 (Eng. Abstr.) **(Rus)**

[Primary megaureter: evaluation and treatment] Medel R, et al. **Arch Esp Urol** 1985 Nov–Dec;38(6):573–7 (Eng. Abstr.) **(Spa)**

URETERAL NEOPLASMS

Fibroepithelial polyps of the ureter. Etiology, diagnosis, treatment and pathology. Van Poppel H, et al. **Eur Urol** 1986;12(3):174–9

[Tumors of the upper urinary excretory duct: apropos of 24 cases] Boujnah H, et al. **Tunis Med** 1985 Jun–Jul; 63(6–7):382–5 (Eng. Abstr.) **(Fre)**

ANALYSIS

CEA and ABO(H) in upper urinary tract transitional tumors. Dalla Palma P, et al. **Appl Pathol** 1984;2(3):146–52

COMPLICATIONS

Bilateral ureteric obstruction due to endometriosis presenting with hypertension and cyclical oliguria. Gourdie RW, et al. **Br J Urol** 1986 Apr;58(2):224

Obstructive uropathy caused by bilateral synchronous ureteral carcinoma: report of a case. Wu HR, et al. **Eur Urol** 1986;12(4):287–8

Benign fibroepithelial polyps as a cause of intermittent ureteropelvic junction obstruction in a child: a case report and review of the literature. Macksood MJ, et al. **J Urol** 1985 Nov;134(5):951–2

Acute renal failure due to bilateral ureteral obstruction by metastases from breast cancer. Akmal M, et al. **Nephron** 1986;42(1):23–8

Benign ureteral fibrous polyp as a cause of obstruction in children. Roodhooft AM, et al. **Pediatr Radiol** 1985; 15(6):429–30

Coaxial cancer dilator. Cardella JF, et al. **Radiology** 1985 Dec;157(3):820

[Ureteral invagination caused by a fibroepithelial polyp of the ureter. Apropos of a case] Haupert S, et al. **Ann Urol (Paris)** 1985;19(6):403–5 (Eng. Abstr.) **(Fre)**

[A case of primary ureteral carcinoma in the duplicated renal pelvis and ureter diagnosed by transurethral uretero–renoscopy] Banya Y, et al. **Hinyokika Kiyo** 1986 Mar;32(3):454–61 (Eng. Abstr.) **(Jpn)**

[A long ureteral polyp with ureteropelvic junction obstruction: report of a case] Sugao H, et al. **Hinyokika Kiyo** 1986 Apr;32(4):586–91 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Primary ureteral tumours. Hegedüs M, et al. **Acta Chir Hung** 1985;26(4):181–8

A case of hemangiomyoma of the ureter in a child. Ogata S, et al. **Eur Urol** 1985;11(5):355–6

The spectrum of urinary tract fibroepithelial polyps in children. Musselman P, et al. **J Urol** 1986 Aug;136(2):476–7

Leiomyoma of ureter. Zaitoon MM. **Urology** 1986 Jul; 28(1):50–1

[Primary tumors of the ureter] Pan BN, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Oct;23(10):625–7, 639 (Eng. Abstr.) **(Chi)**

[Intermittent hydronephrosis and a ureteral polyp in an 8–year–old boy] Olsen PR, et al. **Ugeskr Laeger** 1985 Jul 29;147(31):2462 (Eng. Abstr.) **(Dan)**

[Ureteral endometriosis] Casper F, et al. **Geburtshilfe Frauenheilkd** 1985 Nov;45(11):789–91 (Eng. Abstr.) **(Ger)**

[Primary carcinoma of the ureter. Presentation of 3 cases and review of the literature] Giuliani A, et al. **Minerva Urol Nefrol** 1986 Apr–Jun;38(2):155–62 (Eng. Abstr.) **(Ita)**

[Synchronously diagnosed and treated triple cancer (rectum–ureter–prostate)] Mikata N, et al. **Gan No Rinsho** 1986 Jun;32(7):837–42 (Eng. Abstr.) **(Jpn)**

[A clinical study on primary ureteral tumors] Uchida T, et al. **Hinyokika Kiyo** 1986 Jan;32(1):19–26 (Eng. Abstr.) **(Jpn)**

[A clinical survey of 102 cases of renal pelvic and ureteral tumors] Tada Y, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Mar;77(3):507–16 (Eng. Abstr.) **(Jpn)**

[Fibroepithelial polyps of the ureter] Johansen TE, et al. **Tidsskr Nor Laegeforen** 1985 Nov 30;105(33):2384–6 (Eng. Abstr.) **(Nor)**

[Fibroepithelial polyp of the ureter. Contribution of a new case] Lancina Martin J, et al. **Arch Esp Urol** 1986 Mar; 39(2):139–42 (Eng. Abstr.) **(Spa)**

[Fibroepithelial polyp of the ureter associated with transitional cell carcinoma of the bladder in a young patient] Regadera Sejas FJ, et al. **Arch Esp Urol** 1985 Jul–Aug;38(4):401–5 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Treatment of urothelial carcinoma of the upper urinary tract following prostatocystectomy with mitomycin C instillation in the ileal loop. van Helsdingen PJ, et al. **J Urol** 1986 Aug;136(2):461–3

Consideration for treatment of upper urinary tract tumors with topical therapy. Huffman JL, et al. **Urology** 1985 Oct; 26(4 Suppl):47–50

[Intrapelvic instillation of mitomycin C in the treatment of ureteral tumor in a patient with a single kidney] Eldrup J, et al. **Ugeskr Laeger** 1986 Jan 13;148(3):137–8 (Eng. Abstr.) **(Dan)**

ETIOLOGY

Carcinogenesis in ureterosigmoidostomy. Gittes RF. **Urol Clin North Am** 1986 May;13(2):201–5 (19 ref.)

FAMILIAL & GENETIC

Chromosomes in kidney, ureter, and bladder cancer. Berger CS, et al. **Cancer Genet Cytogenet** 1986 Sep;23(1):1–24

Chromosome change in transitional cell carcinoma of ureter. Sandberg AA, et al. **Cancer Genet Cytogenet** 1986 Jan 15; 19(3–4):335–40

Family history of cancer among cases of upper urothelial tumours in a Balkan nephropathy area. Radovanović Z, et al. **J Cancer Res Clin Oncol** 1985;110(2):181–3

Familial transitional cell carcinoma of renal pelvis and upper ureter. Orphali SL, et al. **Urology** 1986 May;27(5):394–6

MORTALITY

Survival of patients with tumors of the renal pelvis and ureter: a retrospective study. Shimazui T, et al. **Jpn J Clin Oncol** 1985 Dec;15(4):603–9

OCCURRENCE

[A clinical survey of 7 cases with primary ureteral tumor: experiences in a year] Takeda M, et al. **Hinyokika Kiyo** 1985 Sep;31(9):1553–7 (Eng. Abstr.) **(Jpn)**

[Tumors of the upper urothelium. Review and treatment] Hoyos Fitto C, et al. **Rev Esp Oncol** 1984;31(2):349–57 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Malignant lymphoma of the ureter. Ligthelm RJ, et al. **Br J Urol** 1985 Oct;57(5):587

Risk of second malignancy after cancers of the renal parenchyma, renal pelvis, and ureter. Kantor AF, et al. **Cancer** 1986 Sep 1;58(5):1158–61

Transitional carcinoma of the upper urinary tract: a histological and cytopathological study. Highman WJ. **J Clin Pathol** 1986 Mar;39(3):297–305

Heterotopic bone formation occurring near a ligated ureter. Segen JC, et al. **J Urol** 1986 Jan;135(1):124–5

Chronic sclerosing ureteritis and nephrogenic adenoma of the ureter in analgesic abuse. Marek J, et al. **Pathol Res Pract** 1985 Nov;180(5):569–75

Calcified papilloma of ureter. Albert NE, et al. **Urology** 1986 May;27(5):460–2

Ureteral endometriosis in post–menopausal women. Pious RH, et al. **Urology** 1985 Oct;26(4):408–11

Ureteral endometriosis: an endoscopic diagnosis. Porena M, et al. **Urology** 1985 Dec;26(6):566–7

Inverted papilloma of upper urinary tract. Schulze S, et al. **Urology** 1986 Jul;28(1):58–61

Biopsy of ureteral tumor in patient with ileal conduit. Shental J, et al. **Urology** 1985 Nov;26(5):492–4

[Obstructive endometriosis of the efferent urinary tract] Favre Y, et al. **Geburtshilfe Frauenheilkd** 1986 Jan; 46(1):23–6 (Eng. Abstr.) **(Ger)**

[Fibro–epithelial polyp of the lower ureter] Saghy N, et al. **Harefuah** 1985 Dec 1;109(11):333–4 (Eng. Abstr.) **(Heb)**

[Clinical and pathological study of renal pelvic and ureteral tumors] Kawakura K, et al. **Hinyokika Kiyo** 1985 Oct; 31(10):1689–94 (Eng. Abstr.) **(Jpn)**

[Ureteral polyp of great size] Megias Garrigós J, et al. **Actas Urol Esp** 1985 Jul–Aug;9(4):351–4 (Eng. Abstr.) **(Spa)**

RADIOTHERAPY

Analysis of cell survival after multiple fractions per day and low–dose–rate irradiation of two in vitro cultured rat tumor cell lines. van Rongen E. **Radiat Res** 1985 Oct;104(1):28–46

[Radiotherapy of kidney pelvis and ureteral cancers] Müller RP, et al. **Urologe [A]** 1986 Jan;25(1):7–11 (Eng. Abstr.) **(Ger)**

SECONDARY

Residual stump metastasis from renal cell carcinoma. Kanetoh H, et al. **Eur Urol** 1985;11(4):273–6

Bilateral ureteric and renal pelvic invasion by metastatic oesophageal carcinoma (a case report). Goel AK, et al. **J Postgrad Med** 1985 Oct;31(4):212–4

[A case of hypernephroid carcinoma metastatic to the ureter] Patrashkov T. **Khirurgiia (Sofiia)** 1986;39(2):62–3 **(Bul)**

[Ureteral and kidney pelvp6is metastases of a hypernephroma] Denis BR, et al. **Acta Urol Belg** 1985; 53(3):484–9 (Eng. Abstr.) **(Fre)**

[A rare case of ureteral metastasis of a colonic neoplasm] Gattoni F, et al. **Radiol Med (Torino)** 1986 Jul–Aug; 72(7–8):595–7 **(Ita)**

[Metastatic ureteral tumor: a case report] Kakehi Y, et al. **Hinyokika Kiyo** 1985 May;31(5):827–32 (Eng. Abstr.) **(Jpn)**

SURGERY

Local excision of urothelial cancer of the upper urinary tract. Bazeed MA, et al. **Eur Urol** 1986;12(2):89–95

Primary ureteral carcinoma. Experience in a general surgical service. Alessi G, et al. **Ital J Surg Sci** 1985;15(3):275–80

[Primary tumors of the ureter] Pan BN, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Oct;23(10):625–7, 639 (Eng. Abstr.) **(Chi)**

[Primary carcinoma of the ureteral stump: a report of 4 cases] Wu GQ, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Nov; 23(11):685–6, 704 (Eng. Abstr.) **(Chi)**

[Treatment of superficial ureteral tumors using the neodymium–YAG laser] Schilling A, et al. **Urologe [A]** 1985 Nov;24(6):313–5 (Eng. Abstr.) **(Ger)**

[Operative ureteroscopy: endoscopic surgery of a fibrous polyp of the ureter] Rocca Rossetti S, et al. **Minerva Urol Nefrol** 1986 Jan–Mar;38(1):21–4 (Eng. Abstr.) **(Ita)**

[Bilateral simultaneous upper urothelial tumors—6 and a half years postoperative follow-up study] Kusuyama H, et al. **Gan No Rinsho** 1986 Jul;32(8):949–53 (Eng. Abstr.) **(Jpn)**

[Urothelial tumors of the upper urinary tract] Lancina Martín JA, et al. **Actas Urol Esp** 1985 Sep–Oct;9(5):403–8 (Eng. Abstr.) **(Spa)**

THERAPY

[Combined treatment with 8 MHz radiofrequency hyperthermia and irradiation in a patient with advanced ureteral cancer] Nakajima K, et al. **Gan No Rinsho** 1986 Jan;32(1):101–5 (Eng. Abstr.) **(Jpn)**

VETERINARY

Ureteral fibropapilloma in a dog. Hattel AL, et al. **J Am Vet Med Assoc** 1986 Apr 15;188(8):873

URETERAL OBSTRUCTION

COMPLICATIONS

Congenital solitary kidney with obstructive uropathy. Thapa BR, et al. **Indian J Pediatr** 1985 Mar–Apr;52(415):205–8

Association of ureteropelvic pseudo-obstruction with cryptorchidism. Barton CH, et al. **J Natl Med Assoc** 1985 Dec;77(12):1010–3

Urinothorax: report of 4 cases and review of the literature. Salcedo JR. **J Urol** 1986 Apr;135(4):805–8 (23 ref.)

Partial ureteric obstruction in weanling rats. I. Long-term effects on the renal morphology. Stenberg A, et al. **Scand J Urol Nephrol** 1985;19(2):139–46

Reflux nephropathy follows obstruction or infection. Roberts JA. **Semin Urol** 1986 May;4(2):70–3 (37 ref.)

Right ureteral obstruction associated with pancreatitis. Morehouse HT, et al. **Urol Radiol** 1985;7(3):150–2

Upper moiety pelviureteric obstruction in infant with Turner syndrome. Aaronson IA. **Urology** 1986 Feb;27(2):158–9

[Hydronephrosis in childhood caused by ureteropelvic obstruction] Høgdall C, et al. **Ugeskr Laeger** 1986 Jun 30; 148(27):1676–8 (Eng. Abstr.) **(Dan)**

[Anuria due to bilateral ureteral blockage by the iliac pedicles (retro-iliac ureters)] Jurascheck F, et al. **Ann Urol (Paris)** 1985;19(5):355–7 (Eng. Abstr.) **(Fre)**

[Obstructive anuria with non-dilated cavities] Maillet PJ, et al. **Presse Med** 1985 Oct 5;14(33):1733–7 (Eng. Abstr.) **(Fre)**

[Spontaneous urinary extravasation due to chronic ureteral obstruction] Konami T, et al. **Hinyokika Kiyo** 1985 Oct; 31(10):1801–6 (Eng. Abstr.) **(Jpn)**

[A long ureteral polyp with ureteropelvic junction obstruction: report of a case] Sugao H, et al. **Hinyokika Kiyo** 1986 Apr;32(4):586–91 (Eng. Abstr.) **(Jpn)**

[Crossed displacement of the kidney as a cause of anuria in pregnancy] Kowalski A, et al. **Ginekol Pol** 1985 Feb; 56(2):78–81 (Eng. Abstr.) **(Pol)**

[Late-stage ureterohydronephrosis: various aspects of pathogenesis, diagnosis and treatment] Morozov AV, et al. **Urol Nefrol (Mosk)** 1985 Sep–Oct;(5):6–10 (Eng. Abstr.) **(Rus)**

CONGENITAL

Congenital obstruction of the pelviureteric junction with spontaneous peripelvic extravasation of urine. Niazi ZA, et al. **Br J Urol** 1984 Jun;56(3):331

Congenital obstructive uropathy and nodular renal blastema. Craver R, et al. **J Urol** 1986 Jul;136(1 Pt 2):305–7

Extreme unilateral hydronephrosis with normal glomerular filtration rate: physiological studies in a case of obstructive uropathy. Green J, et al. **J Urol** 1986 Aug;136(2):361–5

[Masked obstructive uropathy of the upper urinary tract in childhood] Thon A, et al. **Monatsschr Kinderheilkd** 1985 Sep;133(9):708–11 (Eng. Abstr.) **(Ger)**

[Use of microsurgery in the operative treatment of primary hydronephrosis] Oesterwitz H, et al. **Z Urol Nephrol** 1985 Sep;78(9):481–7 (Eng. Abstr.) **(Ger)**

[A case of combined anomaly of horseshoe kidney, retrocaval ureter and pelviureteric stenosis] Taguchi K, et al. **Hinyokika Kiyo** 1986 May;32(5):745–50 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

The sonographic evaluation of hydronephrosis with progressive ureteric obstruction. An experimental model. Paling MR, et al. **Invest Radiol** 1985 Sep;20(6):613–6

Acute renal failure due to bilateral ureteral obstruction by metastases from breast cancer. Akmal M, et al. **Nephron** 1986;42(1):23–8

Ureteropelvic junction obstruction presenting with recurrent abdominal pain: diagnosis by ultrasound. Byrne WJ, et al. **Pediatrics** 1985 Dec;76(6):934–7

Renal obstruction in patients with ileal loops: US evaluation. Cronan JJ, et al. **Radiology** 1986 Mar;158(3):647–8

Ureteropelvic junction stenosis: antenatal ultrasonographic diagnosis, postnatal investigation, and follow-up. Grignon A, et al. **Radiology** 1986 Sep;160(3):649–51

Nondilated obstructive acute renal failure: diagnostic procedures and therapeutic management. Maillet PJ, et al. **Radiology** 1986 Sep;160(3):659–62

[The significance of ultrasonography for the detection of outflow tract obstruction in transplanted kidneys] Marečková O, et al. **Cas Lek Cesk** 1986 Jun 27; 125(26):807–11 (Eng. Abstr.) **(Cze)**

[Anuria resulting from the obstruction of a ureter in an otherwise normal pregnancy] Dyrborg J. **Ugeskr Laeger** 1986 Jul 14;148(29):1833 (Eng. Abstr.) **(Dan)**

[A new method of diagnosing organic ureteral obstruction in hydronephrosis] Arustamov DL, et al. **Urol Nefrol (Mosk)** 1986 May–Jun;(3):12–5 (Eng. Abstr.) **(Rus)**

[The value of the Whitaker test in the diagnosis of the equivocal obstruction of the pyeloureteral junction] Burgos FJ, et al. **Arch Esp Urol** 1986 Mar;39(2):83–91 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Treatment of pain owing to acute ureteral obstruction with prostaglandin–synthetase inhibitor: a prospective randomized study. Khalifa MS, et al. **J Urol** 1986 Aug; 136(2):393–5

The effect of ritodrine and glucagon on the acutely obstructed canine ureter. Stower MJ, et al. **Urol Res** 1986; 14(1):37–40

EMBRYOLOGY

Ligating the embryonic ureter facilitates the induction of renal dysplasia. Maizels M, et al. **Prog Clin Biol Res** 1986; 217B:445–8

ENZYMOLOGY

Increase in enzyme activities of prostaglandin biosynthesis and catabolism by acute ureteral ligation in rat kidney. Fukuda S, et al. **Life Sci** 1985 Sep 30;37(13):1249–55

ETIOLOGY

Obstructive renal failure and pleural effusion caused by the gravid uterus. Weiss Z, et al. **Acta Obstet Gynecol Scand** 1986;65(2):187–9

Transplant ureteral obstruction masquerading as recurrent rejection episodes: management by percutaneous antegrade balloon dilatation. Quigg RJ Jr, et al. **Am J Kidney Dis** 1986 Jul;8(1):67–70

Fever and renal dysfunction in a renal transplant patient [clinical conference] Bennett WM, et al. **Am J Nephrol** 1986;6(3):232–9

Systemic sclerosis and pregnancy complicated by obstructive uropathy. Moore M, et al. **Am J Obstet Gynecol** 1985 Dec 15;153(8):893–4

Periappendicular abscess as a cause of ureteral obstruction. Kivioja A, et al. **Ann Chir Gynaecol** 1985;74(4):195–7

Urological complications after total hip replacement. Videback PA, et al. **Arch Orthop Trauma Surg** 1985; 104(2):132–4

An unusual cause of bilateral ureteric obstruction. Wakeman R, et al. **Br J Surg** 1986 Aug;73(8):623

Left nephroureteric obstruction due to carcinoma of the pancreatic tail. Eisenkraft S, et al. **Br J Urol** 1986 Feb; 58(1):97–8

Bilateral ureteric obstruction due to endometriosis presenting with hypertension and cyclical oliguria. Gourdie RW, et al. **Br J Urol** 1986 Apr;58(2):224

Bladder neurofibromas causing ureteric obstruction in Von Recklinghausen's disease. Brooks PT, et al. **Clin Radiol** 1985 Sep;36(5):537–8

Renal failure and upper urinary tract obstruction after retrograde pyelography with potassium bromide solution. Joyce DA, et al. **Hum Toxicol** 1985 Sep;4(5):481–90

Massive incrustation on silicone ureteral stent: a severe complication. Cranidis A, et al. **Int Urol Nephrol** 1985; 17(4):319–22

Wegener's granulomatosis with ureteric obstruction. Adelizzi RA, et al. **J Rheumatol** 1986 Apr;13(2):448–51

Complications following ureteroscopy. Biester R, et al. **J Urol** 1986 Aug;136(2):380–2

Benign fibroepithelial polyps as a cause of intermittent ureteropelvic junction obstruction in a child: a case report and review of the literature. Macksood MJ, et al. **J Urol** 1985 Nov;134(5):951–2

Ureteropelvic junction obstruction of the upper pole moiety in complete ureteral duplication. Mesrobian HG. **J Urol** 1986 Aug;136(2):452–3

Urological complications associated with a kidney transplant biopsy: report of 3 cases and review of the literature. Rao KV. **J Urol** 1986 Apr;135(4):768–70

The manifestation and management of late urological complications in renal transplant recipients: use of the urological armamentarium. Thomalla JV, et al. **J Urol** 1985 Nov;134(5):944–8

Retroperitoneal parasitic leiomyoma causing unilateral ureteral obstruction. Zaitoon MM. **J Urol** 1986 Jan; 135(1):130–1

Abdominal aortic aneurysm causing duodenal and ureteric obstruction. Hodgson KJ, et al. **J Vasc Surg** 1986 Feb; 3(2):364–8

Junctional epidermolysis bullosa, pyloric atresia, and genitourinary disease. Berger TG, et al. **Pediatr Dermatol** 1986 Feb;3(2):130–4

Prolapse of an ectopic ureterocele into both urethra and ipsilateral orthotopic ureter. Hochhauser L, et al. **Pediatr Radiol** 1986;16(2):167–8

Benign ureteral fibrous polyp as a cause of obstruction in children. Roodhooft AM, et al. **Pediatr Radiol** 1985; 15(6):429–30

Ureteral involvement secondary to diverticulitis of the colon. Ney C, et al. **Surg Gynecol Obstet** 1986 Sep;163(3):215–8

Methylmethacrylate upper ureteral obstruction. Fiore A, et al. **Urology** 1986 May;27(5):454–5

Ureteral obstruction in postmenopausal woman with endometriosis. Ray J, et al. **Urology** 1985 Dec;26(6):577–8

Acute obstructive renal failure secondary to granulocytic sarcoma (chloroma). Steinbock GS, et al. **Urology** 1986 Mar;27(3):268–70

Pregnancy following ureteroneocystostomy [letter] Whitesitt RC. **West J Med** 1986 Apr;144(4):475

[Spontaneous peri-renal urinoma] Bouffioux C, et al. **Acta Urol Belg** 1985;53(3):507–13 (Eng. Abstr.) **(Fre)**

[Stenosis and reflux after surgery of the ureterovesical junction in children. Indications and results of reoperation. Apropos of 460 ureterovesical reimplantations] Viville C. **J Urol (Paris)** 1985;91(8):509–17 (Eng. Abstr.) **(Fre)**

[Urological symptoms of abdominal aortic aneurysms] Burri J, et al. **Helv Chir Acta** 1985 Dec;52(5):723–5 (Eng. Abstr.) **(Ger)**

[Spontaneous rupture of the kidney pelvis] Szentgyörgyi E, et al. **Orv Hetil** 1986 May 25;127(21):1269–71 (Eng. Abstr.) **(Hun)**

[Obstructive renal failure in patients with terminal malignant tumors—unilateral relief of ureteral obstruction and recovery of renal function on the opposite side] Kawanishi Y, et al. **Gan No Rinsho** 1985 Oct;31(13):1704–8 (Eng. Abstr.) **(Jpn)**

[Bilateral lower ureteral obstruction caused by aberrant blood vessels (umbilical ligament): a case report] Yamamoto Y, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Jan; 77(1):145–50 (Eng. Abstr.) **(Jpn)**

[Development of acute kidney failure as a consequence of ureteral compression by a giant abscess] Reizis AV, et al. **Khirurgiia (Mosk)** 1986 Apr;(4):133 **(Rus)**

FAMILIAL & GENETIC

Dominantly inherited ureteropelvic junction obstruction. Buscemi M, et al. **Urology** 1985 Dec;26(6):568–71

IMMUNOLOGY

Ureteral blockade sensitizes to the generalized Shwartzman reaction. Latour JG, et al. **Am J Pathol** 1986 Aug; 124(2):187–92

[Changes in humoral and cellular immunity in children with chronic obstructive pyelonephritis with vesico-ureteral reflux, hydronephrosis and ureterohydronephrosis] Botvin'eva VV, et al. **Pediatriia** 1986 Feb;(2):19–22 (Eng. Abstr.) **(Rus)**

METABOLISM

Study of renal acidification in various urological clinical pictures. Banyó T, et al. **Acta Chir Hung** 1985;26(4):225–33

Platelet-activating factor is a potent stimulus for renal prostaglandin synthesis: possible significance in unilateral ureteral obstruction. Weisman SM, et al. **J Pharmacol Exp Ther** 1985 Oct;235(1):10–5

PATHOLOGY

Patterns of Schistosoma haematobium egg distribution in the

human lower urinary tract. II. Obstructive uropathy. Christie JD, et al. **Am J Trop Med Hyg** 1986 Jul;35(4):752–8
Chronic sclerosing ureteritis and nephrogenic adenoma of the ureter in analgesic abuse. Marek J, et al. **Pathol Res Pract** 1985 Nov;180(5):569–75
Dietl's crises [letter] Felts JH, et al. **Urology** 1986 Jun; 27(6):575
Unusual presentation of ureteropelvic junction obstruction in an incomplete duplex system. Jerkins GR, et al. **Urology** 1985 Oct;26(4):402–4
[Obstructive endometriosis of the efferent urinary tract] Favre Y, et al. **Geburtshilfe Frauenheilkd** 1986 Jan; 46(1):23–6 (Eng. Abstr.) (Ger)
[Acute necrosis of the upper segment of the ureter] Baev VA, et al. **Urol Nefrol (Mosk)** 1986 Mar–Apr;(2):62–3 (Rus)

PHYSIOPATHOLOGY

Technetium–99m DMSA imaging and the obstructed kidney. Piepsz A, et al. **Clin Nucl Med** 1986 Jun;11(6):389–91
Atriopeptin III improves renal functions in a ureter–obstructed rat kidney model. Olsen UB, et al. **Eur J Pharmacol** 1986 Mar 18;122(2):191–6
Reflex responses to reductions in functioning renal mass. Humphreys MH, et al. **Fed Proc** 1985 Oct;44(13):2840–5 (40 ref.)
Renal function in the fetal lamb: a chronic model to study physiological effects of ureteral ligation and deligation. Bellinger MF, et al. **J Urol** 1986 Jul;136(1 Pt 2):225–8
Contribution of endogenous vasoactive compounds to renal vascular resistance in neonatal chronic partial ureteral obstruction. Chevalier RL, et al. **J Urol** 1986 Aug; 136(2):532–5
Comparative effects of four prostaglandin synthesis inhibitors on the obstructed kidney in the dog. Gasparich JP, et al. **J Urol** 1986 May;135(5):1088–90
Glomerular filtration response to acute ureteral obstruction in the dog. Katzberg RW, et al. **J Urol** 1985 Nov; 134(5):1007–10
Pathophysiology of ureteropelvic junction obstruction: experimental and clinical observations. Koff SA, et al. **J Urol** 1986 Jul;136(1 Pt 2):336–8
Long–term effects of 24–hr unilateral ureteral obstruction on renal function in the rat. Bander SJ, et al. **Kidney Int** 1985 Oct;28(4):614–20
Hemodynamic effects of enalapril on neonatal chronic partial ureteral obstruction. Chevalier RL, et al. **Kidney Int** 1985 Dec;28(6):891–8
Acidification in the medullary collecting duct following ureteral obstruction. Ribeiro C, et al. **Kidney Int** 1986 Jun; 29(6):1167–71
Dynamics of the urinary tract in longterm vesico–ureteral reflux with infravesical obstruction and infection in pigs; V. Jörgensen TM, et al. **Scand J Urol Nephrol** 1985; 19(2):113–7
Tubuloglomerular feedback response in the contralateral kidney after 24–hour unilateral ureteral obstruction. Boberg U, et al. **Upn J Med Sci** 1985;90(2):193–9
Experimental study of the pressure–volume and pressure–time relations in the completely obstructed pelvis of the porcine kidney. Part 4: Instability and blow out. Donkervoort TK, et al. **Urol Res** 1985;13(5):259–62
[Mechanisms of postobstructive polyuria] Kramer HJ. **Klin Wochenschr** 1985 Sep 16;63(18):934–43 (Eng. Abstr.) (Ger)
[The maximum muscular active tension and contractile protein content in dilated ureteral obstruction] Yamaguchi O, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Aug; 21(4):282–3 (Jpn)
[Pressure–flow relationship at varying degrees of ureteral obstruction] Fukuzaki A, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Jul;76(7):1015–21 (Eng. Abstr.) (Jpn)

RADIOGRAPHY

Percutaneous antegrade pyelography in children. Man DW, et al. **Br J Urol** 1984 Jun;56(3):237–43
Fluoroscopic assessment of bilharzial ureteropathy. Abdel–Halim RE, et al. **Clin Radiol** 1985 Jan;36(1):89–94
Intraprocedural passage of an obstructing ureteral calculus. Machen BC, et al. **J Comput Tomogr** 1986 Apr;10(2):135–7
Use of antegrade pyelography in the investigation of obstructive uropathy: experience in Zambia. Elem B, et al. **Med J Zambia** 1984 Jun;18(2):18–21
Acquired ureteropelvic junction obstruction in childhood. Cleveland RH, et al. **Pediatr Radiol** 1986;16(1):76–8
[Retrograde miction cystoradioureterography in infant boys] Velemínský M. **Cesk Pediatr** 1986 Jan;41(1):44–5 (Cze)
[Effectiveness of morphological urography in neoplasms of the genital organs] Mlosek K, et al. **Pol Przegl Radiol (Warszawa)** 1985 May–Jun;49(3):169–73 (Eng. Abstr.) (Pol)

RADIONUCLIDE IMAGING

A clinical study of the prognostic value of technetium dimercaptosuccinic Acid uptake in renal obstruction. de Meyer JM, et al. **Acta Urol Belg** 1986;54(2):137–42
Prolonged half–life following diuretic radionuclide urography as evidence of ureteral obstruction. Taylor A Jr, et al. **Clin Nucl Med** 1985 Nov;10(11):796–8
Role of the diuresis renogram in the study of the pelviureteric junction. Tasca A, et al. **Eur Urol** 1985;11(6):374–7

SURGERY

Percutaneous nephrostomy for malignant ureteral obstruction in children. Report of six cases. Montagne JP, et al. **Ann Radiol (Paris)** 1986;29(3–4):401–5 (Eng, Fre)
Surgery of pelviureteric obstruction in the first year of life. Ahmed S, et al. **Aust NZ J Surg** 1985 Jun;55(3):253–61
Ureteroscopic pyelolysis for pelviureteric junction obstruction. Inglis JA, et al. **Br J Urol** 1986 Jun;58(3):250–2
Surgical intervention in dilated bilharzial ureters. Pawar HN. **Br J Urol** 1984 Jun;56(3):276–9
Percutaneous nephrostomy catheter use in gynecologic malignancy: M.D. Anderson Hospital experience. Dudley BS, et al. **Gynecol Oncol** 1986 Jul;24(3):273–8
Uretero–pelvic obstruction. Yadav K, et al. **Indian Pediatr** 1985 Jun;22(6):445–50
Percutaneous surgery for ureteropelvic junction obstruction (endopyelotomy): technique and early results. Badlani G, et al. **J Urol** 1986 Jan;135(1):26–8
Kidney growth after pyeloplasty in childhood. Rikalainen H, et al. **J Urol** 1986 Jun;135(6):1219–22
Percutaneous techniques for the management of urological renal transplant complications. Streem SB, et al. **J Urol** 1986 Mar;135(3):456–9
Nondilated obstructive uropathy: percutaneous nephrostomy performed to reverse renal failure. Naidich JB, et al. **Radiology** 1986 Sep;160(3):653–7
Druy ureteral stent set: clinical experience in 25 patients. Rozenblit G, et al. **Radiology** 1986 Sep;160(3):737–40
The use of percutaneous nephrostomy in patients with ureteric obstruction undergoing renal transplantation. Ehrlichman RJ, et al. **Surg Gynecol Obstet** 1986 Feb; 162(2):121–5
Management of transplant ureteropelvic junction obstruction by dismembered pyeloplasty. Waltzer WC, et al. **Transplant Proc** 1985 Oct;17(5):2149–51
Long–term ureterostomy with suprapubic intravesical drainage used to bypass severe schistosomal obstructive uropathy—preliminary report. Abu–Aisha H, et al. **Urol Res** 1985;13(5):263–6
Repair of upper ureteric obstruction with Boari flap and psoas hitch. Bhattacharya S, et al. **Urology** 1986 May;27(5):451–3
[Ureteroplasty using a piece of polyglactin. Experimental study in the dog. Preliminary results] Amory JP, et al. **Acta Urol Belg** 1985;53(4):703–17 (Eng. Abstr.) (Fre)
[Reconstruction of the proximal ureter by interposition of a short segment of the small intestine] Mohácsi L. **Orv Hetil** 1986 Jan 26;127(4):209–11 (Eng. Abstr.) (Hun)
[Neuropathic bladder in childhood. Treatment of the complications and prevention] Belloli G, et al. **Pediatr Med Chir** 1985 Sep–Oct;7(5):677–84 (Eng. Abstr.) (Ita)
[Results of the surgical treatment of primary obstructive megaureter in the child] Belloli G, et al. **Pediatr Med Chir** 1985 Sep–Oct;7(5):611–8 (Eng. Abstr.) (Ita)
[Urological complications after renal transplantation] Ben A, et al. **Hinyokika Kiyo** 1985 Oct;31(10):1683–8 (Eng. Abstr.) (Jpn)
[Percutaneous nephrostomy] Hirao Y, et al. **Hinyokika Kiyo** 1985 Jul;31(7):1281–6 (Eng. Abstr.) (Jpn)
[Surgical treatment of congenital obstruction of the vesicoureteral segment in children] Bairov GA, et al. **Klin Khir** 1986;(6):60–2 (Eng. Abstr.) (Rus)
[Repeat operations in tuberculosis and post–tuberculosis stenosis of the urinary tract] Dovlatian AA. **Urol Nefrol (Mosk)** 1986 Mar–Apr;(2):23–8 (Eng. Abstr.) (Rus)
[Successful treatment of a urinary fistula after transplantation of a kidney by transcutaneous puncture nephropyelostomy] Krugliakov PA, et al. **Urol Nefrol (Mosk)** 1985 Jul–Aug; (4):62–4 (Rus)
[External prosthesis of the ureter in retroperitoneal fibrosis] Mazo EB, et al. **Urol Nefrol (Mosk)** 1986 May–Jun;(3):20–5 (Eng. Abstr.) (Rus)
[Surgical treatment of compression of the parapelvic portion of the ureter by the lower polar renal vessels in children] Babloian AS. **Vestn Khir** 1986 Feb;136(2):82–5 (Eng. Abstr.) (Rus)
[Surgical treatment of congenital ureteral stenosis in children with double upper urinary tract] Bairov GA, et al. **Vestn Khir** 1985 Oct;135(10):86–9 (Eng. Abstr.) (Rus)
[Combined plastic surgery in retroperitoneal fibrosis] Dovlatian AA, et al. **Vestn Khir** 1986 Apr;136(4):60–2 (Rus)
[Uretero–vesical stenosis following kidney transplant–satisfactorily solved by an endo–urologic approach] Silmi A, et al. **Actas Urol Esp** 1985 Jul–Aug; 9(4):345–50 (Eng. Abstr.) (Spa)
[Urinary diversion in patients with carcinoma of the cervix and ureteral obstruction: a call to attention] Torres Ramírez C, et al. **Arch Esp Urol** 1985 May–Jun;38(3):259–65 (Eng. Abstr.) (Spa)

THERAPY

A dilating introducer–sheath for the antegrade insertion of ureteral stents. Druy EM. **AJR** 1985 Dec;145(6):1274–6
Simplified method of introducing double–J stent catheters using a coaxial sheath system. Mercado S, et al. **AJR** 1985 Dec;145(6):1271–3
Steerable guide–wire for insertion of ureteric stent into tortuous ureter. Schmeller NT, et al. **Br J Urol** 1985 Oct; 57(5):595
New techniques for stenting severely strictured or occluded ureters. Mygind T, et al. **Eur J Radiol** 1985 Nov;5(4):321–4
Retroperitoneal fibrosis: an alternative therapy. Dénes FT, et al. **Eur Urol** 1986;12(4):283–4
Ureteral stent placement for recurrent hydronephrosis in pregnancy. A case report. Ismail MA, et al. **J Reprod Med** 1986 Apr;31(4):280–2
Balloon dilation of upper ureteral strictures in primates. Shore N, et al. **J Urol** 1986 Jul;136(1 Pt 2):342–3
Pediatric percutaneous nephrostomy: experience with 50 patients. Stanley P, et al. **J Urol** 1986 Jun;135(6):1223–6
Coaxial cancer dilator. Cardella JF, et al. **Radiology** 1985 Dec;157(3):820
Antegrade ureteroscopy: a new tool in management of severe ureteral strictures. de Jonge MK, et al. **Urology** 1986 Jan; 27(1):49–52
[Retroperitoneal fibrosis. Surgical or medical treatment. Apropos of 15 cases] Abourachid H, et al. **J Urol (Paris)** 1985;91(7):447–51 (Eng. Abstr.) (Fre)
[Benign ureteral stenoses. Dilatation with an angioplasty balloon] Cornud F, et al. **Presse Med** 1986 Jun 28; 15(26):1237–9 (Eng. Abstr.) (Fre)
[Experiences with sonographically guided percutaneous nephrostomy] Roth M. **Z Urol Nephrol** 1986 Mar; 79(3):147–54 (Eng. Abstr.) (Ger)
[The ureteral stent: is it useful?] Taki Y, et al. **Hinyokika Kiyo** 1985 Dec;31(12):2203–7 (Eng. Abstr.) (Jpn)

VETERINARY

Nonsurgical management of canine obstructive urolithopathy. Osborne CA, et al. **Vet Clin North Am [Small Anim Pract]** 1986 Mar; 16(2):333–47

URETEROCELE

COMPLICATIONS

Prolapse of an ectopic ureterocele into both urethra and ipsilateral orthotopic ureter. Hochhauser L, et al. **Pediatr Radiol** 1986;16(2):167–8
[Retrograde ejaculation, a little known complication of ectopic ureterocele with ureteral duplication] Viville C, et al. **J Urol (Paris)** 1985;91(8):533–5 (Eng. Abstr.) (Fre)
[A case of congenital agenesis of the gallbladder associated with right hypoplastic kidney and bilateral ureterocele] Nagaoka S, et al. **Rinsho Hoshasen** 1986 Jan;31(1):147–50 (Eng. Abstr.) (Jpn)

CONGENITAL

Congenital obstructive uropathy and nodular renal blastema. Craver R, et al. **J Urol** 1986 Jul;136(1 Pt 2):305–7

DIAGNOSIS

Beware of the 'plum'—ureterocele. Case report. MacNab G, et al. **Br J Obstet Gynaecol** 1985 Sep;92(9):989–90
Sonographic diagnosis of bilateral fetal renal duplication with ectopic ureteroceles. Schoenecker SA, et al. **J Ultrasound Med** 1985 Nov;4(11):617–8
A review of the ultrasonic appearances of posterior urethral valve and ureteroceles. Cremin BJ. **Pediatr Radiol** 1986; 16(5):357–64
Differential diagnosis of intra– and perivesical abnormalities using bladder air/CO2 contrast sonography. Schneider K, et al. **Pediatr Radiol** 1986;16(4):309–12
Ectopic ureter and ureterocele: their varied sonographic manifestations. Nussbaum AR, et al. **Radiology** 1986 Apr; 159(1):227–35
[Strangulated ureterocele and prolapsed urethral mucosa in a little girl. Diagnostic difficulties] Bourdelat D. **Ann Urol (Paris)** 1986;20(1):47–50 (Eng. Abstr.) (Fre)
[Echographic diagnosis of ureterocele] Kauzlarich D, et al. **Radiol Med (Torino)** 1985 Nov;71(11):789–91 (Ita)
[Ectopic ureterocele in duplicated kidney. Prenatal diagnosis with early post–natal surgery. Contribution of 2 cases] Agra Cadarso B, et al. **Actas Urol Esp** 1986 Mar–Apr;10(2):123–6 (Eng. Abstr.) (Spa)
[Ectopic ureterocele. Presentation of 2 cases] Cortejoso Gonzalo E, et al. **An Esp Pediatr** 1985 Dec;23(8):593–6 (Spa)

RADIOGRAPHY

Inverted Y duplication of the ureter. Mosli HA, et al. **J Urol** 1986 Jan;135(1):126–7

SURGERY

Experience with endoscopic incision and open unroofing of ureteroceles. Tank ES. **J Urol** 1986 Jul;136(1 Pt 2):241–2
[Treatment of extra–vesical ureteroceles associated with pyeloureteral duplication in children] Heloury Y, et al. **Ann Urol (Paris)** 1985;19(6):381–6 (Eng. Abstr.) (Fre)
[A case of "recurrent" ureterocele in the adult] Cantarelli I, et al. **Minerva Chir** 1985 Sep 15;40(17):1185–8 (Eng. Abstr.)

(Ita)
[Ureterocele: study of 66 cases observed in 60 children] Belloli G, et al. **Pediatr Med Chir** 1983 Sep–Oct;5(5):321–32 (Eng. Abstr.) (Ita)
[The ureterocele in childhood. Type of treatment and results] Musi L, et al. **Pediatr Med Chir** 1985 Sep–Oct;7(5):619–27 (Eng. Abstr.) (Ita)
[New methods of the surgical treatment of the sequelae of total ureter duplex in children] Witeska A. **Wiad Lek** 1985 Sep 1;38(17):1208–12 (Pol)
[Clinical picture, diagnosis and treatment of ureterocele] Urenkov SB, et al. **Urol Nefrol (Mosk)** 1985 Jul–Aug; (4):37–41 (Eng. Abstr.) (Rus)

URETHANE

see related

POLYURETHANES

Analysis of factors involved in determining urinary bladder voiding cycle in urethan–anesthetized rats. Maggi CA, et al. **Am J Physiol** 1986 Aug;251(2 Pt 2):R250–7
Hippocampal theta rhythm and the firing of neurons in walking and urethane anesthetized rats. Fox SE, et al. **Exp Brain Res** 1986;62(3):495–508
Suitability of urethane anesthesia for physiopharmacological investigations in various systems. Part 1: General considerations. Maggi CA, et al. **Experientia** 1986 Feb 15; 42(2):109–14 (67 ref.)
Urethanes as ethylene oxide reservoirs in hollow–fiber dialyzers. Lee FF, et al.
Trans Am Soc Artif Intern Organs 1985;31:526–33

ANALOGS & DERIVATIVES

N–substituted urethanes as potential antiinflammatory agents. Krupińska J, et al. **Farmaco [Sci]** 1985 Aug;40(8):581–8
Sister chromatid exchange analysis in cultured primary lung, liver, and kidney cells of mice following in vivo exposure to vinyl carbamate. Campbell JA, et al.
In Vitro Cell Dev Biol 1986 Aug;22(8):443–8

METABOLISM

Distribution of urethane and its binding to DNA, RNA, and protein in SENCAR and BALB/c mice following oral and dermal administration. Fossa AA, et al.
J Toxicol Environ Health 1985;15(5):635–54

PHARMACODYNAMICS

Laminar distribution of hippocampal rhythmic slow activity (RSA) in the behaving rat: current–source density analysis, effects of urethane and atropine. Buzsáki G, et al.
Brain Res 1986 Feb 12;365(1):125–37
Suitability of urethane anesthesia for physiopharmacological investigations in various systems. Part 2: Cardiovascular system. Maggi CA, et al. **Experientia** 1986 Mar 15; 42(3):292–7 (59 ref.)
Suitability of urethane anesthesia for physiopharmacological investigations. Part 3: Other systems and conclusions. Maggi CA, et al. **Experientia** 1986 May 15;42(5):531–7 (78 ref.)
The generation of cortical slow potentials in the rat anaesthetised with urethane and their modification by nicotine. Ebenezer IS. **Neuropharmacology** 1986 Jun; 25(6):639–43
The effects of arginine–8 vasopressin on the cerebral cortex of rats anaesthetised with urethane. Webb AC, et al.
Neuropharmacology 1986 Apr;25(4):425–31
[Kinetics of DNA reparative replication in the spleen cells of CBA– and C57BL/6–strain mice induced by urethane and and the influenza virus] Froiov AFo LV, et al.
Biull Eksp Biol Med 1986 Apr;101(4):426–8 (Eng. Abstr.) (Rus)
[Urethane inhibition of DNA synthesis in the hepatocytes of the regenerating liver in mice] Faktor VM.
Tsitologiia 1985 Oct;27(10):1145–9 (Eng. Abstr.) (Rus)

TOXICITY

Effects of strain and age on prophylaxis and co–carcinogenesis of urethan–induced mouse lung adenomas by butylated hydroxytoluene. Malkinson AM, et al. **Cancer Res** 1986 Apr;46(4 Pt 1):1694–7
Immune function in adult C57BL/6J mice following exposure to urethan pre– or postnatally. Luebke RW, et al.
J Immunopharmacol 1986;8(2):243–57
The H–2 complex affects the frequency of urethan–induced chromosomal aberrations. Miyashita N, et al.
Jpn J Cancer Res 1985 Dec;76(12):1141–5
Cell kinetics in mouse lung following administration of carcinogens and butylated hydroxytoluene. Witschi HP, et al. **Toxicol Appl Pharmacol** 1985 May;78(3):464–72
[Analysis of the DNA content of urethane–induced liver tumors in mice] Faktor VM, et al. **Tsitologiia** 1986 Jun; 28(6):599–606 (Eng. Abstr.) (Rus)

URETHRA

No lead in his pencil. An authentic case history from Australian general practice. Graham PW.
Aust Fam Physician 1985 Sep;14(9):926
Acute renal failure secondary to fishing line. Williams RJ, et al. **Br J Urol** 1985 Oct;57(5):590–1
Pathologic masturbation with drastic consequences: case report. Grumet GW. **J Clin Psychiatry** 1985 Dec; 46(12):537–9
Routine prostatitis? A case report of long–term foreign body in the prostatic urethra. Adams GW Jr, et al. **J Urol** 1986 Sep;136(3):682–3
Long–standing urethral instrumentation leading to an unusual complication. Vilmann P, et al. **Scand J Urol Nephrol** 1985; 19(2):147–8
[Urinary incontinence treated with submucous or periurethral Teflon (poly–tetra–fluoroethylene) injection] Osther PJ, et al. **Ugeskr Laeger** 1986 Feb 3;148(6):325–7 (Eng. Abstr.) (Dan)

ABNORMALITIES

Duplication of the male urethra: report of three cases. Hoekstra I, et al. **Clin Radiol** 1985 Sep;36(5):529–31
Unexpected anterior urethral diverticula. Smith SE.
Clin Radiol 1986 Jan;37(1):55–8
Subdural empyema in a child with posterior urethral valves. Mahapatra AK. **Indian J Pediatr** 1985 Jul–Aug; 52(417):429–31
Management of posterior urethral valves. Sen S, et al.
Indian Pediatr 1986 Jul;23(7):525–8
Posterior urethral valves in Saudi Arabia. Morcos RR, et al. **Int Surg** 1985 Oct–Dec;70(4):357–60
Posterior urethral valves: report of a case and review of the literature. Prohaska MG. **J Am Osteopath Assoc** 1985 Aug; 85(8):515–8
Prognosis of posterior urethral valves presenting at birth. Nakayama DK, et al. **J Pediatr Surg** 1986 Jan;21(1):43–5
Megalourethra. Appel RA, et al. **J Urol** 1986 Apr; 135(4):747–51
Complete patent duplication of the urethra. Psihramis KE, et al. **J Urol** 1986 Jul;136(1):63–7
Percutaneous antegrade ablation of posterior urethral valves in infants with small caliber urethras: an alternative to urinary diversion. Zaontz MR, et al. **J Urol** 1986 Jul;136(1 Pt 2):247–8
Scaphoid megalourethra associated with nonobstructive dilatation of the posterior urethra. Mieza MA, et al.
NY State J Med 1986 Jan;86(1):24–5
Duplication of the urethra with communication to the rectum. Report of a case. Bruce R, et al.
Pediatr Radiol 1986;16(1):79–81
A review of the ultrasonic appearances of posterior urethral valve and ureteroceles. Cremin BJ. **Pediatr Radiol** 1986; 16(5):357–64
[Vesico–vaginal reflux in patients with hypospadia femina and spastic paresis] Dørup I, et al. **Ugeskr Laeger** 1986 May 19;148(21):1281 (Eng. Abstr.) (Dan)
[Urethral duplication in the male] Weissmüller J.
Urologe [A] 1985 Sep;24(5):274–9 (Eng. Abstr.) (Ger)
[Urethral duplications] Rusconi U, et al.
Minerva Urol Nefrol 1985 Apr–Jun;37(2):173–6 (Eng. Abstr.) (Ita)
[Urethral valves, radiological aspects and considerations] Zeccolini R, et al. **Pediatria (Napoli)** 1983 Oct–Dec; 91(4):411–8 (Eng. Abstr.) (Ita)
[A case of scaphoid megalourethra with urethrocutaneous fistula following plastic surgery] Fujita Y, et al.
Nippon Hinyokika Gakkai Zasshi 1986 Jan;77(1):151–9 (Eng. Abstr.) (Jpn)
[The vestibular form of female hypospadias] Podluzhnyĭ GA, et al. **Urol Nefrol (Mosk)** 1986 Jan–Feb;(1):44–6 (Eng. Abstr.) (Rus)
[Double urethra with epispadias] Zikrillaev Z, et al.
Urol Nefrol (Mosk) 1986 Jan–Feb;(1):62–3 (Rus)
[Valves of the posterior urethra: case reviews] Sierra J, et al. **An Esp Pediatr** 1986 Mar;24(3):197–201 (Eng. Abstr.) (Spa)

ANALYSIS

Effects of urinary bladder distention on location of the urinary bladder and urethra of healthy dogs and cats. Johnston GR, et al. **Am J Vet Res** 1986 Feb;47(2):404–15
The fiber type of the rabbits' striated external urethral sphincter: electrophoretic analysis of myosin. Tokunaka S, et al. **J Urol** 1986 Feb;135(2):427–30
[Investigation of the fiber type of the rabbits external urethral sphincter with the analysis of myosin light and heavy chains] Tokunaka S, et al.
Nippon Hinyokika Gakkai Zasshi 1985 Oct;76(10):1499–503 (Eng. Abstr.) (Jpn)

ANATOMY & HISTOLOGY

Correlative study of paraurethral anatomy. DeLancey JO.
Obstet Gynecol 1986 Jul;68(1):91–7
Polarization optic investigations on the anatomy of the bladder neck and the vesical fundus in women. Hanke P, et al. **Urol Int** 1986;41(2):121–8
[Topographical changes following urethrovesicopexy surgery] Wenger M, et al. **Gynakol Rundsch** 1985;25 Suppl 3:60–2 (Ger)

BLOOD SUPPLY

Urethral stricture following cardiovascular surgery: role of urethral ischemia. Elhilali MM, et al. **J Urol** 1986 Feb; 135(2):275–7

CYTOLOGY

Argyrophil and argentaffin APUD cells in the human female prostate homologue and urethra. Zaviačič M.
Acta Histochem (Jena) 1986;79(1):93–6
Nerve fibers in the urethral mucosa of canine penis are immunoreactive for both substance P and calcitonin gene–related peptide. Iwanaga T, et al. **Arch Histol Jpn** 1985 Dec;48(5):547–52
Cosinor demonstration of circatrigintan (circavigintan) biorhythm in cell component volume of female urethral ejaculate. Mikulecký M, et al. **Chronobiologia** 1986 Apr–Jun;13(2):155–9

DRUG EFFECTS

Supersensitivity to methacholine in rat urethra following hypertrophy or disuse. Ekström J, et al.
Acta Pharmacol Toxicol (Copenh) 1985 Oct;57(4):297–300
Effects of xylazine on the urethral pressure profile of healthy dogs. Richter KP, et al. **Am J Vet Res** 1985 Sep; 46(9):1881–6
Clinical response and urethral pressure profile changes after phenylpropanolamine in dogs with primary sphincter incompetence. Richter KP, et al. **J Am Vet Med Assoc** 1985 Sep 15;187(6):605–11
The action of intrathecal morphine and methadone on the lower urinary tract in the dog. Drenger B, et al.
J Urol 1986 Apr;135(4):852–5
Effect of estrogens on the weight and muscarinic cholinergic receptor density of the rabbit bladder and urethra. Shapiro E. **J Urol** 1986 May;135(5):1084–7
Effects of dobutamine on the in vivo urethra in the female dog. Moriya I, et al. **Tohoku J Exp Med** 1985 Nov; 147(3):311–4
Effects of autonomic agonists on in vivo female canine urethral motility. Nishizawa O, et al. **Urol Int** 1985; 40(6):320–4
Effects of the autonomic antagonists on canine urethral responses to autonomic nerve stimulation. Nishizawa O, et al. **Urol Int** 1985;40(6):314–9
[Effects of 2 anabolizing substances with estrogenic action on the urethral muscle of the calf. Histochemical and morphometric study] Wouk AF, et al.
Reprod Nutr Dev 1986;26(1A):53–64 (Eng. Abstr.) (Fre)
[Clinical and pharmacological studies on alpha–1 antagonists in smooth muscle of human urinary bladder base and prostatic urethra] Kunisawa Y.
Nippon Hinyokika Gakkai Zasshi 1986 Apr;77(4):600–11 (Eng. Abstr.) (Jpn)
[The effect of autonomic agonists on the in vivo urethra in the female dog] Moriya I.
Nippon Hinyokika Gakkai Zasshi 1986 Jan;77(1):52–60 (Eng. Abstr.) (Jpn)
[The effect of autonomic antagonists on the in vivo urethra in the female dog] Moriya I.
Nippon Hinyokika Gakkai Zasshi 1986 Jan;77(1):61–71 (Eng. Abstr.) (Jpn)
[Effects of oxybutynin hydrochloride on the urinary bladder and urethra in in situ preparations] Mayuzumi K, et al.
Nippon Yakurigaku Zasshi 1986 May;87(5):557–71 (Eng. Abstr.) (Jpn)

EMBRYOLOGY

Development of sexual dimorphism in human urogenital sinus complex. Kellokumpu–Lehtinen P. **Biol Neonate** 1985; 48(3):157–67

ENZYMOLOGY

The adult human female urethra. Enzyme–histochemical study. Zaviačič M, et al. **Acta Histochem (Jena)** 1985; 77(2):165–75

INJURIES

Diagnosis and treatment of posterior urethral injury. Fowler JW, et al. **Br J Urol** 1986 Apr;58(2):167–73
Perineal transpubic repair: a technique for treating post–traumatic prostatomembranous urethral strictures. Webster GD, et al. **J Urol** 1986 Feb;135(2):278–9
Endoscopic internal urethrotomy in complete urethral obstruction following straddle injury. Choi H. **Urology** 1986 Jan;27(1):65–6
Simple method to control bleeding and for urethral continuity in posterior urethral injuries. McWilliams WA, et al.
Urology 1985 Oct;26(4):405–6
[Posterior urethral injury associated with pelvic fracture: analysis of 109 cases] Jia LR.
Chung Hua Wai Ko Tsa Chih 1985 Jun;23(6):372–3, 384 (Eng. Abstr.) (Chi)
[Recent traumatic lesions of the male anterior urethra. Apropos of 17 cases] Hosatte F, et al. **Ann Urol (Paris)** 1986;20(3):187–90 (Eng. Abstr.) (Fre)
[Recent injuries of the male urethra] **J Urol (Paris)** 1984; 90(10):659–70 (Fre)
[Traumatic injuries of the ureter, bladder and urethra in pelvic fractures] Hengst E, et al. **Radiol Diagn (Berl)** 1986; 27(2):163–77 (41 ref.) (Eng. Abstr.) (Ger)
[Urethral injuries—a retrospective analysis of therapeutic possibilities and late morbidity] Zwergel U, et al.
Z Urol Nephrol 1985 Aug;78(8):423–8 (Eng. Abstr.) (Ger)
[Total urethral rupture in spontaneous delivery] Rommel L,

et al. **Zentralbl Gynakol** 1985;107(21):1326–7 (Eng. Abstr.) **(Ger)**

[Urethral injuries in boys and their treatment] Raciborski K. **Pediatr Pol** 1986 Feb;61(2):128–33 (28 ref.) **(Pol)**

[Closed injuries of the urethra in boys] Stechly HJ, et al. **Pediatr Pol** 1985 Oct;60(10):713–8 **(Pol)**

[Injuries of the urethra in women] Loran OB, et al. **Akush Ginekol (Mosk)** 1986 Feb;(2):62–5 **(Rus)**

[Combined injuries of the the pelvic bones and urethral canal in children] Bairov GA, et al. **Vestn Khir** 1985 Sep; 135(9):89–93 (Eng. Abstr.) **(Rus)**

INNERVATION

Regional distribution of alpha-adrenoceptor subtypes in the female rabbit urethra. Larsson B, et al. **Acta Physiol Scand** 1986 Jan;126(1):39–43

The innervation of the muscles of continence. Snooks SJ, et al. **Ann R Coll Surg Engl** 1986 Jan;68(1):45–9

Clinical relevance of some findings in neuro-anatomy and neurophysiology of the lower urinary tract. Andersson KE. **Clin Sci** 1986;70 Suppl 14:21s–32s (121 ref.)

Autonomic failure and the role of the sympathetic nervous system in the control of lower urinary tract function. Kirby RS. **Clin Sci** 1986;70 Suppl 14:45s–50s

Bladder muscle biopsy and urethral sphincter EMG in patients with bladder dysfunction after pelvic surgery. Kirby RS, et al. **J R Soc Med** 1986 May;79(5):270–3

Vasoactive intestinal polypeptide-, somatostatin- and substance P-immunoreactive nerves in the smooth and striated muscle of the intrinsic external urethral sphincter of patients with spinal cord injury. Crowe R, et al. **J Urol** 1986 Aug;136(2):487–91

Refractoriness of urethral striated sphincter during voiding: studies with afferent pudendal reflex arc stimulation in male subjects. Dyro FM, et al. **J Urol** 1986 Apr;135(4):732–6

Role of the sympathetic nerve in bladder and urethral sphincter function during the micturition cycle in the dog evaluated by pressure flow EMG study. Nishizawa O, et al. **J Urol** 1985 Dec;134(6):1259–61

METABOLISM

Alpha 1- and alpha 2-adrenoceptors in the smooth muscle of male and female rabbit urethra. Yablonsky F, et al. **Eur J Pharmacol** 1986 Feb 11;121(1):1–8

MICROBIOLOGY

Detection of Chlamydia trachomatis in genital specimens by the Microtrak direct specimen test. Coudron PE, et al. **Am J Clin Pathol** 1986 Jan;85(1):89–92

Adherence of Escherichia coli to epithelial cells in the pathogenesis of urinary tract infection. Kozody NL, et al. **Clin Invest Med** 1985;8(2):121–5

Prevalence of Staphylococcus saprophyticus in patients in a venereal disease clinic. Ringertz O, et al. **Eur J Clin Microbiol** 1986 Jun;5(3):358–61

Colonisation of the urethra with Streptococcus pneumoniae: a case report. Noble RC. **Genitourin Med** 1985 Oct; 61(5):345–6

Microbiological and serological study of non-gonococcal urethritis with special reference to Mycoplasma genitalium. Taylor-Robinson D, et al. **Genitourin Med** 1985 Oct; 61(5):319–24

Evaluation of a monoclonal antibody test to detect chlamydia in cervical and urethral specimens. Forbes BA, et al. **J Clin Microbiol** 1986 Jun;23(6):1136–7

Effect of polybrene on isolation of Chlamydia trachomatis from clinical specimens. Sankar-Mistry P, et al. **J Clin Microbiol** 1985 Oct;22(4):671–3

Evaluation of an enzyme immunoassay for the diagnosis of chlamydial infections in urogenital specimens. Tjiam KH, et al. **J Clin Microbiol** 1986 Apr;23(4):752–4

Asymptomatic virus shedding in men with genital herpes infection. Strand A, et al. **Scand J Infect Dis** 1986; 18(3):195–7

Serotypes of Ureaplasma urealyticum isolated from patients with nongonococcal urethritis and gonorrhea and from asymptomatic urethral carriers. Crăcea E, et al. **Sex Transm Dis** 1985 Oct-Dec;12(4):219–23

[Isolation of Chlamydiae from the urethra in the diagnosis of chronic prostatitis] Soldatova SI, et al. **Urol Nefrol (Mosk)** 1985 Sep-Oct;(5):14–5 (Eng. Abstr.) **(Rus)**

[Recurrences of gonorrhea] Dmitriev GA. **Vestn Dermatol Venerol** 1985 Dec;(12):25–9 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Urethral dysplasia and bladder cancer in cystectomy specimens. Coutts AG, et al. **Br J Urol** 1985 Oct; 57(5):535–41

Steroid 5 alpha-reductase deficiency and posterior urethral valves. Stanhope R, et al. **Horm Res** 1986;23(4):213–4

Gynecologic and urodynamic evaluation of women with urinary incontinence. Benson JT. **Obstet Gynecol** 1985 Nov;66(5):691–4

Catheter-induced hyperreflexia in spinal cord injury patients: diagnosis by sonographic voiding cystourethrography. Perkash I, et al. **Radiology** 1986 May;159(2):453–5

[Initial experiences with transvaginal sonography of the urethra and bladder within the scope of the diagnosis of incontinence] Debus-Thiede G, et al. **Geburtshilfe Frauenheilkd** 1985 Dec;45(12):891–4 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Electromyographic and urethral pressure evaluations: assessment of urethral function in female and ovariohysterectomized female cats. Gregory CR, et al. **Am J Vet Res** 1986 Jul;47(7):1472–5

The anisotropic nature of urethral occlusive forces. Ward GH, et al. **Br J Obstet Gynaecol** 1985 Dec;92(12):1279–85

Internal urinary sphincter in maintenance of female continence [letter] Hickey DS, et al. **Br Med J [Clin Res]** 1986 Mar 22;292(6523):830

Cerebral responses evoked by stimulation of vesico-urethral junction in man: methodological evaluation of monopolar stimulation. Sarica Y, et al. **Electroencephalogr Clin Neurophysiol** 1986 Mar;65(2):130–5

Clinical pharmacology of the lower urinary tract. New aspects. Lose G, et al. **Eur Urol** 1986;12(1):1–11 (66 ref.)

The neural and non-neural mechanisms involved in urethral activity in rabbits. Ito Y, et al. **J Physiol (Lond)** 1985 Oct; 367:57–72

Intraluminal urethral pressure measurements in the female baboon: effects of hormonal manipulation. Bump RC, et al. **J Urol** 1986 Aug;136(2):508–11

Voluntary contractions in the female urethra. Colstrup H. **J Urol** 1985 Nov;134(5):902–6

Cough-induced microtransducer movements in the urethra affecting pressure measurements. de Jonge MC, et al. **J Urol** 1986 Mar;135(3):634–7

Isometric detrusor pressure in the male patient: a comparison between voluntary urethral sphincter contraction and forced penile compression techniques. Morita M, et al. **J Urol** 1985 Dec;134(6):1161–5

Elastic jump in male urethra during voiding: clinical observations in male subjects and experimental studies in dogs. Yalla SV, et al. **J Urol** 1985 Nov;134(5):907–13

Effects of some different pulse parameters on bladder inhibition and urethral closure during intravaginal electrical stimulation: an experimental study in the cat. Ohlsson B, et al. **Med Biol Eng Comput** 1986 Jan;24(1):27–33

The pressure within a collapsed tube, with special reference to urethral pressure. Griffiths D. **Phys Med Biol** 1985 Sep; 30(9):951–63

Alpha- and beta-adrenoceptors in the female dog urethra. García-Sacristán A, et al. **Rev Esp Fisiol** 1986 Jun; 42(2):245–50

Simultaneous measurement of pressure profile and pull-through force in the urethra of 25 female patients. Bruijnes E, et al. **Urol Int** 1986;41(1):26–34

An evaluation of contractility parameters determined from isometric contractions and micturition studies. van Mastrigt R, et al. **Urol Res** 1986;14(1):45–52

Objective assessment of resistance of female urethra to stress. A scale to establish degree of urethral incompetence. Schick E. **Urology** 1985 Nov;26(5):518–26

[Lower urinary tract physiology and clinical pharmacology. New aspects] Lose G, et al. **Ugeskr Laeger** 1986 Jan 20; 148(4):163–7 (27 ref.) (Eng. Abstr.) **(Dan)**

[Assessment of surgery-induced changes in the urethral closing function using 2 different evaluation methods] Keller HJ, et al. **Gynakol Rundsch** 1985;25 Suppl 3:56–9 **(Ger)**

[The physiology of continence and pathophysiology of stress incontinence] Ulmsten U. **Gynakol Rundsch** 1985;25 Suppl 3:1–14 **(Ger)**

[Evaluation of urethral pressure on stimulation of the pudendal nerve and lower abdominal nerve by Stereo-UPP] Kinami N, et al. **Nippon Heikatsukin Gakkai Zasshi** 1985 Aug;21(4):288–90 **(Jpn)**

[Urethral function at the time of urination] Miyakawa M. **Nippon Hinyokika Gakkai Zasshi** 1985 Nov;76(11):1635–6 **(Jpn)**

PHYSIOPATHOLOGY

Urethral axis and sphincteric function. Fantl JA, et al. **Am J Obstet Gynecol** 1986 Sep;155(3):554–8

Reduction of urethral pressure in response to stress: relationship to urethral mobility. Richardson DA. **Am J Obstet Gynecol** 1986 Jul;155(1):20–5

Quantification of urethral closure function by SUI threshold after pubococcygeal sling operation. Kujansuu E, et al. **Ann Chir Gynaecol [Suppl]** 1985;197:19–22

Changes in urethral closure pressure after radical hysterectomy for cervical cancer. Christ F, et al. **Arch Gynecol** 1985;237(2):93–9

Perineal electromyographic patterns in urge incontinence. Vereecken RL, et al. **Arch Gynecol** 1986;237(4):235–42

Inhibition of the external urethral sphincter and sacral reflex by anal stretch in spinal cord injured patients. Wu YC, et al. **Arch Phys Med Rehabil** 1986 Feb;67(2):135–6

The fluid bridge test applied to urethral sphincter function with special reference to the male urethra. Desmond AD, et al. **Br J Urol** 1985 Dec;57(6):737–41

A comparative study of various electrodes in electromyography of the striated urethral and anal sphincter in children. Nielsen KK, et al. **Br J Urol** 1985 Oct;57(5):557–9

Sacral root and hypogastric plexus stimulators and what these models tell us about autonomic actions on the bladder and urethra. Brindley GS. **Clin Sci** 1986;70 Suppl 14:41s–44s

The effect of beta-adrenergic stimulation on the bladder and urethra following radical hysterectomy. Kerr-Wilson RH, et al. **Gynecol Oncol** 1986 Mar;23(3):267–74

Decelerating burst and complex repetitive discharges in the striated muscle of the urethral sphincter, associated with urinary retention in women. Fowler CJ, et al. **J Neurol Neurosurg Psychiatry** 1985 Oct;48(10):1004–9

Urethro-vesical dysfunction in progressive autonomic failure with multiple system atrophy. Kirby R, et al. **J Neurol Neurosurg Psychiatry** 1986 May;49(5):554–62

Urethral prolapse in children: insights into etiology and management. Lowe FC, et al. **J Urol** 1986 Jan;135(1):100–3

The role of dysfunctional voiding in failure or complication of ureteral reimplantation for primary reflux. Noe HN. **J Urol** 1985 Dec;134(6):1172–5

Electromyography of urethral sphincter in women with urinary retention. Fowler CJ, et al. **Lancet** 1986 Jun 28; 1(8496):1455–7

Q-Tip test in female urinary incontinence. Montz FJ, et al. **Obstet Gynecol** 1986 Feb;67(2):258–60

Clinical significance of urethral instability. Weil A, et al. **Obstet Gynecol** 1986 Jul;68(1):106–10

Voiding dysfunction after radical abdominal hysterectomy. Kuo HC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Oct; 84(10):1137–46

Rotational differences in urethral pressure in incontinent women. Vereecken RL, et al. **Urol Int** 1985;40(4):201–5

Urethral and perineal instability. Vereecken RL, et al. **Urol Int** 1985;40(6):325–30

[Sphincter EMG in urodynamic studies in neurogenic miction disorders] Grisar P, et al. **Acta Belg Med Phys** 1985 Oct; 8 Spec No:32–41 (Eng. Abstr.) **(Dut)**

[Striated sphincter of the urethra. 4: Therapeutic possibilities] De Leval J, et al. **J Urol (Paris)** 1985;91(1):1–12 (98 ref.) (Eng. Abstr.) **(Fre)**

[Standardized measurement of urethral pressure with normal values in the diagnosis of stress incontinence] Eberhard J. **Geburtshilfe Frauenheilkd** 1986 Mar;46(3):145–50 (Eng. Abstr.) **(Ger)**

[Urodynamic results before and after physiotherapy of women with stress incontinence] Voigt R. **Geburtshilfe Frauenheilkd** 1985 Aug;45(8):563–6 (Eng. Abstr.) **(Ger)**

[Evaluation of the urethral pressure profile according to the new criteria of the Swiss Working Group for Urodynamics] Eberhard J, et al. **Gynakol Rundsch** 1985;25 Suppl 3:53–5 **(Ger)**

[Evaluation of neurogenic bladder in patients with spinal cord injury using a CMG.EMG study and CMG.UFM.EMG study] Aoki H, et al. **Hinyokika Kiyo** 1985 Jun;31(6):937–48 (Eng. Abstr.) **(Jpn)**

[Electromyography (EMG) of the external urethral sphincter in patients with micturition disturbances] Abe S. **Nippon Hinyokika Gakkai Zasshi** 1986 May;77(5):747–59 (Eng. Abstr.) **(Jpn)**

[Urethral compliance and cross sectional area measurement—clinical study of male patients with lower urinary tract dysfunction] Harada T, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Sep;76(9):1341–8 (Eng. Abstr.) **(Jpn)**

[Urodynamics of the lower urinary tract in women with urinary incontinence] Savin VF. **Urol Nefrol (Mosk)** 1985 Sep-Oct;(5):65–9 (41 ref.) **(Rus)**

RADIOGRAPHY

Ovarian radiation dose during dynamic cystourethrography using videorecording and photofluorography. Westby M, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Jan-Feb;27(1):55–9

Micturating cystourethrography and vesicoureteral reflux. Thomsen HS, et al. **Eur J Radiol** 1985 Nov;5(4):318–20

Importance of urethral length, bladder neck position and vestibulovaginal stenosis in sphincter mechanism incompetence in the incontinent bitch. Holt PE. **Res Vet Sci** 1985 Nov;39(3):364–72

Changes in symptoms and colpo-cystourethrography in 35 patients before and after total abdominal hysterectomy: a prospective study. Hansen BM, et al. **Urol Int** 1985; 40(4):224–6

[Profilometry in relation to lateral radiographic urethrocystography in women with urinary stress incontinence] Feyereisl J, et al. **Cesk Gynekol** 1986 Feb; 51(1):23–6 (Eng. Abstr.) **(Cze)**

[Urethrocystography in women with urgency incontinence] Voigt R, et al. **Cesk Gynekol** 1986 Jul;51(6):411–4 (Eng. Abstr.) **(Cze)**

[Correlation of miction cystourethrography with ultrasonic examination in children with urination disorders] Abraham J, et al. **Cesk Pediatr** 1986 Jul;41(7):389–93 (Eng. Abstr.) **(Cze)**

[Present role of urethrocystography in the diagnosis of female stress incontinence] Göller W, et al. **ROFO** 1986 Jun; 144(6):670–3 (Eng. Abstr.) **(Ger)**

[Small chain functional cystourethrography in female urinary incontinence] Fischetti GC, et al. **Minerva Urol Nefrol** 1986 Jan-Mar;38(1):49–57 (Eng. Abstr.) **(Ita)**

[The introduction of an urodynamic technic synchronized with videocystourethrograms and its data management] Sasaki M, et al. **Hinyokika Kiyo** 1985 Dec;31(12):2135–40 (Eng. Abstr.) **(Jpn)**

[Complete radiological evaluation of the urinary tract in

children. Excretory urography with urination radiography] Mitre AI, et al. **AMB** 1985 May–Jun;31(5–6):98–100 (Eng. Abstr.) **(Por)**

SURGERY

Colpo–urethrocystopexy—a simple method for treatment of genuine primary stress incontinence. Iosif CS. **Acta Obstet Gynecol Scand** 1985;64(6):525–7

Modified retropubic cystourethropexy. Goodno JA Jr, et al. **Am J Obstet Gynecol** 1986 Jun;154(6):1211–5

Graft urethroplasty in the treatment of urethral stricture disease. Badejo OA, et al. **Br J Clin Pract** 1986 Jul; 40(7):282–7

Lateral bead–chain urethrocystography after successful and unsuccessful colposuspension. Hertogs K, et al. **Br J Obstet Gynaecol** 1985 Nov;92(11):1179–83

Mechanism of urinary continence after colposuspension: barrier studies. Hertogs K, et al. **Br J Obstet Gynaecol** 1985 Nov;92(11):1184–8

Reconstruction of the urethra for hypospadiac cripples by microvascular free flap transfers. Harrison DH. **Br J Plast Surg** 1986 Jul;39(3):408–13

A simple approach to the entire urethra. De Sy WA, et al. **Br J Urol** 1986 Jun;58(3):344

Direct vision internal urethrotomy. A critical review of 365 operations. Holm–Nielsen A, et al. **Br J Urol** 1984 Jun; 56(3):308–12

Evaluation of light sources and light guides for use in transurethral surgery. Pepper MG, et al. **Br J Urol** 1986 Apr;58(2):208–10

Modern approaches to the treatment of male urethral strictures. Horňák M, et al. **Czech Med** 1986;9(1):23–8

Long–term results of treatment of urethral strictures by transpubic urethroplasty. Zvara V, et al. **Czech Med** 1986; 9(1):1–8

Intracavernous injection of noradrenaline to interrupt erections during surgical interventions. de Meyer JM, et al. **Eur Urol** 1986;12(3):169–70

INCO needle paraurethral suspension for stress urinary incontinence. Lebed JP, et al. **J Am Osteopath Assoc** 1985 May;85(5):314–7

Vision loss following transurethral resection of the prostate. Kay MC, et al. **J Clin Neuro Ophthalmol** 1985 Dec; 5(4):273–6

Bladder mucosa graft for construction of male urethra. Hendren WH, et al. **J Pediatr Surg** 1986 Mar;21(3):189–92

Hernias after transpubic urethroplasty. Bissada NK, et al. **J Urol** 1986 May;135(5):1010–1

Pediatric urethral reconstruction without proximal diversion. Gonzalez R, et al. **J Urol** 1986 Jul;136(1 Pt 2):264–5

Urethroplasty using transverse penile island flap for hypospadias. el–Kasaby AW, et al. **J Urol** 1986 Sep; 136(3):643–4

Urethral lengthening and reimplantation for neurogenic incontinence in children. Kropp KA, et al. **J Urol** 1986 Mar;135(3):533–6

Incorporation of corpora cavernosa in bulbous urethral artificial urinary sphincter. Nelson RP. **J Urol** 1986 Jul; 136(1):102–3

Long–term results of transpubic prostatomembranous urethroplasty in children. Patil UB. **J Urol** 1986 Jul;136(1 Pt 2):286–7

Use of the rectus abdominis muscle flap in urological reconstructive procedures. Robertson CN, et al. **J Urol** 1986 May;135(5):963–5

Fungal infection associated with artificial urethral sphincters in children. Walterspiel JN, et al. **J Urol** 1986 Jun; 135(6):1245–6

Urethroplasty management in 100 cases of urethral stricture: a rationale for procedure selection. Webster GD, et al. **J Urol** 1985 Nov;134(5):892–8

An improved hook for destroying posterior urethral valves. Whitaker RH, et al. **J Urol** 1986 Mar;135(3):531–2

A new, one–stage pedicled scrotal skin graft urethroplasty. Yachia D. **J Urol** 1986 Sep;136(3):589–92

Modified Pereyra procedure under local anesthesia. Growdon WA, et al. **Obstet Gynecol** 1986 Aug;68(2):272–4

Retropubic cystourethropexy: a review of two operative procedures with long–term follow–up. Riggs JA. **Obstet Gynecol** 1986 Jul;68(1):98–105

Operative correction for female urethral incompetence. Hadley HR, et al. **Semin Urol** 1986 Feb;4(1):13–23

Mechanism of continence after transpubic urethroplasty. Koraitim M, et al. **Urology** 1986 Feb;27(2):187–90

Modified technique of urethral meatotomy in males. Lane JW. **Urology** 1986 Feb;27(2):170

Endoscopic transurethral suspension of bladder neck and urethra. Experimental trials of new procedure in dogs. Lattanzi CA, et al. **Urology** 1986 Mar;27(3):243–6

Free full thickness (patch) graft urethroplasty: long–term follow–up. Nielsen MA, et al. **Urology** 1985 Dec; 26(6):562–5

[New modification of urethrovesical suspension in urinary incontinence in women (according to Hirsch's method)] ATanasov A, et al. **Akush Ginekol (Sofiia)** 1986;25(2):30–2 (Eng. Abstr.) **(Bul)**

[Endoscopically controlled urethrosuspension. Employed in women with urinary incontinence with recurrence and/or markedly obese patients] Nilsson T, et al. **Ugeskr Laeger** 1985 Jul 22;147(30):2373–6 (Eng. Abstr.) **(Dan)**

[The effect of urethropexy by the Lapides method in incontinent women] Schultz A, et al. **Ugeskr Laeger** 1986 Feb 17;148(8):438–40 (Eng. Abstr.) **(Dan)**

[Results of bladder and urethra reconstruction for exstrophy] Mollard P, et al. **Chir Pediatr** 1986;27(1):27–32 (Eng. Abstr.) **(Fre)**

[Indications and results of transurethral 12 o'clock sphincterotomy in the therapy of neurogenic disorders of bladder emptying in transverse paralysis] Göcking K, et al. **Z Urol Nephrol** 1986 Apr;79(4):207–11 (Eng. Abstr.) **(Ger)**

[Value of the distal urethrotomy in girls with infravesicular obstruction and vesico–ureteral reflux] Nürnberger N. **Z Urol Nephrol** 1985 Nov;78(11):589–93 (Eng. Abstr.) **(Ger)**

[Female neourethra: comparison of 2 methods] Acanfora F, et al. **Minerva Urol Nefrol** 1985 Jul–Sep;37(3):275–8 (Eng. Abstr.) **(Ita)**

[Internal urethrotomy under urethral anesthesia] Lee K, et al. **Hinyokika Kiyo** 1986 Apr;32(4):609–10 (Eng. Abstr.) **(Jpn)**

[One stage total repair of severe hypospadias: operation technic and results] Imanaka K, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Apr;77(4):626–32 (Eng. Abstr.) **(Jpn)**

[One stage total repair of hypospadias: results of one stage urethroplasty with parameatal flap(OUPF)] Imanaka K, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Aug;76(8):1171–8 (Eng. Abstr.) **(Jpn)**

[Urethral recurrence of bladder carcinoma following cystectomy] Takigawa H, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Feb;77(2):323–7 (Eng. Abstr.) **(Jpn)**

[A clinical study of one stage hypospadias repair (Hodgson type III)] Umeyama T, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Dec;76(12):1815–23 (Eng. Abstr.) **(Jpn)**

[Results of treatment of urethral stricture using internal optical urethrotomy] Borówka A, et al. **Pol Tyg Lek** 1986 Jan 13;41(2):42–5 (Eng. Abstr.) **(Pol)**

[Surgical treatment of urinary incontinence in women using the double suburethral roll] Mănescu G. **Rev Chir [Chir]** 1986 Jan–Feb;35(1):69–75 (Eng. Abstr.) **(Rum)**

URETHRAL DISEASES

Spontaneous passage of large urethral calculus. Cummings JM, et al. **Urology** 1986 Jan;27(1):71

[The valves of the posterior urethra] Lottman H, et al. **Chir Pediatr** 1986;27(1):15–26 (74 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Carcinoma in diverticulum of female urethra. Gonzalez MO, et al. **Urology** 1985 Oct;26(4):328–32

["Lacuna magna": a little known cause of dysuria and urethrorrhagia in children] Hentati M, et al. **Tunis Med** 1985 Jun–Jul;63(6–7):353–6 (Eng. Abstr.) **(Fre)**

[A case of complicated giant urethro–vesical calculosis. Etiopathogenetic considerations] Giona C, et al. **Minerva Urol Nefrol** 1986 Jan–Mar;38(1):31–3 (Eng. Abstr.) **(Ita)**

[Diverticulum of the female urethra as a cause of acute retention of the urine. Observation of a case] Premuda S, et al. **Radiol Med (Torino)** 1984 Dec;70(12):1009–10 **(Ita)**

CONGENITAL

Parameatal urethral cysts in newborn females. Baldew IM. **Br J Urol** 1984 Jun;56(3):338

Giant diverticulum of the anterior urethra. Lima SV, et al. **Br J Urol** 1984 Jun;56(3):335–6

[Cyst of the urogenital sinus. Apropos of a case] Machuca J, et al. **Arch Esp Urol** 1985 Jul–Aug;38(4):407–11 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Ultrasonic detection of urethral calculus. Gammelgaard J, et al. **Br J Urol** 1985 Oct;57(5):589–90

Chlamydial infections of the urethra in women. Bradley MG, et al. **Genitourin Med** 1985 Dec;61(6):371–5

Hyperchloremic metabolic acidosis as a clue to recto–urethral fistula in an infant with anal atresia. Alon U, et al. **Int J Pediatr Nephrol** 1986 Apr–Jun;7(2):121–4

Migratory stone impacting female urethra. Pal SK, et al. **J Indian Med Assoc** 1985 Apr;83(4):123–4

Myeloid metaplasia masquerading as a urethral caruncle. Balogh K, et al. **J Urol** 1986 Apr;135(4):789–90

[Urethral prolapse in girls] Ilari J, et al. **Actas Urol Esp** 1985 Jul–Aug;9(4):369–72 (Eng. Abstr.) **(Spa)**

[Ventral diverticula of the bulbous urethra] Barriola M, et al. **An Esp Pediatr** 1985 Oct 31;23(5):319–24 (Eng. Abstr.) **(Spa)**

[Diverticulum of the anterior urethra in the adult male. Presentation of a case] Iranzo S, et al. **Arch Esp Urol** 1985 Nov–Dec;38(6):593–5 (Eng. Abstr.) **(Spa)**

[Paraurethral cyst. Report of 2 cases] Sumano–Avendaño E, et al. **Bol Med Hosp Infant Mex** 1986 Jun;43(6):382–4 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Single–dose cephalexin therapy for acute bacterial urinary tract infections and acute urethral syndrome with bladder bacteriuria. Cardenas J, et al. **Antimicrob Agents Chemother** 1986 Mar;29(3):383–5

Clinical pharmacology of the lower urinary tract. New aspects. Lose G, et al. **Eur Urol** 1986;12(1):1–11 (66 ref.)

ETIOLOGY

Urethro–thigh fistula. Report of 2 cases. Moskovitz B, et al. **Eur Urol** 1986;12(2):141–2

Skene's gland calculi produced by a Ureaplasma urealyticum infection. Gellman AC, et al. **J Urol** 1986 Apr;135(4):786–8

Major rectal complications following interstitial implantation of 125iodine for carcinoma of the prostate. Jordan GH, et al. **J Urol** 1985 Dec;134(6):1212–4

Complications from urinary condom catheters [letter] Melekos MD, et al. **Urology** 1986 Jan;27(1):88

[A case of scaphoid megalourethra with urethrocutaneous fistula following plastic surgery] Fujita Y, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Jan;77(1):151–9 (Eng. Abstr.) **(Jpn)**

[Development of a urethral diverticulum after forceps delivery] Klyszejko C, et al. **Ginekol Pol** 1985 Dec; 56(12):766–9 (Eng. Abstr.) **(Pol)**

[Urogenital fistulas after gynecologic operations] Sikorski A, et al. **Ginekol Pol** 1985 Sep;56(9):557–62 (Eng. Abstr.) **(Pol)**

[Injuries of the urethra in women] Loran OB, et al. **Akush Ginekol (Mosk)** 1986 Feb;(2):62–5 **(Rus)**

MICROBIOLOGY

Chlamydial infections of the urethra in women [letter] Gollow MM, et al. **Genitourin Med** 1986 Aug;62(4):283

PATHOLOGY

Unexpected laboratory diagnosis of latent urogenital coccidioidomycosis in a nonendemic area. Dunne WM Jr, et al. **Arch Pathol Lab Med** 1986 Mar;110(3):236–8

Primary localized amyloidosis of the urethra. Dounis A, et al. **Eur Urol** 1985;11(5):344–5

Parameatal urethral cysts. Yoshida K, et al. **Urology** 1985 Nov;26(5):490–1

[Strangulated ureterocele and prolapsed urethral mucosa in a little girl. Diagnostic difficulties] Bourdelat D. **Ann Urol (Paris)** 1986;20(1):47–50 (Eng. Abstr.) **(Fre)**

[Bulbourethral diverticuli] Valdivia Uría JG, et al. **Arch Esp Urol** 1986 Mar;39(2):117–32 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Sphincter behaviour in myelomeningocele. Mundy AR, et al. **Br J Urol** 1985 Dec;57(6):647–51

Urethral dysfunction in upper motor neurone lesions. Stephenson TP. **Clin Sci** 1986;70 Suppl 14:59s–62s

Decelerating burst and complex repetitive discharges in the striated muscle of the urethral sphincter, associated with urinary retention in women. Fowler CJ, et al. **J Neurol Neurosurg Psychiatry** 1985 Oct;48(10):1004–9

Urethral prolapse in children: insights into etiology and management. Lowe FC, et al. **J Urol** 1986 Jan;135(1):100–3

Re: Urethral instability: related to stress and/or urge incontinence? [letter] Venema PL, et al. **J Urol** 1986 Sep; 136(3):688–9

Clinical significance of urethral instability. Weil A, et al. **Obstet Gynecol** 1986 Jul;68(1):106–10

[Urodynamic study of the lower urinary tract in children today] Campobasso P, et al. **Pediatr Med Chir** 1985 Sep–Oct;7(5):663–72 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Giant diverticula of the male urethra: a surprising radiological finding. Bendel CJ, et al. **Diagn Imag Clin Med** 1986;55(3):151–3

Computerized tomography of prostatic and periurethral abscesses: 2 case reports. Davidson KC, et al. **J Urol** 1986 Jun;135(6):1257–8

Male urethral diverticulum: the double density sign. Preminger GM, et al. **Urology** 1985 Oct;26(4):417–9

[Functional stenosis of the urethra in girls] Corrado F, et al. **Radiol Med (Torino)** 1984 Dec;70(12):969–75 (Eng. Abstr.) **(Ita)**

SURGERY

Closure of urethral fistulae by transverse Y–V advancement flap. Moscona AR, et al. **Br J Urol** 1984 Jun;56(3):313–5

Surgical treatment of rectourethral fistulae. Trippitelli A, et al. **Eur Urol** 1985;11(6):388–91

Urethroplasty using transverse penile island flap for hypospadias. el–Kasaby AW, et al. **J Urol** 1986 Sep; 136(3):643–4

A new retropubic retrourethral approach for large vesico–urethrovaginal fistulas. Koraitim M. **J Urol** 1985 Dec;134(6):1122–3

Operative correction for female urethral incompetence. Hadley HR, et al. **Semin Urol** 1986 Feb;4(1):13–23

Surgical treatment of female urethral diverticulum. Leach GE, et al. **Semin Urol** 1986 Feb;4(1):33–42

Vesicovaginal and urethrovaginal fistulae. Zimmern P, et al.

Semin Urol 1986 Feb;4(1):24–9
Proximal vaginal flap and needle suspension procedure in management of large urethral fistulas in females. Lockhart JL, et al. Urology 1986 Jan;27(1):24–7
Use of the recto–urethral fistula for reconstruction of the anal canal in high anal atresia. Frenckner B. Z Kinderchir 1985 Oct;40(5):312–4
[Plastic surgery of the gracilis muscle in the surgical treatment of urethrorectal fistulae] Simon V. Sb Lek 1985 Oct;87(10):289–91 (Eng. Abstr.) (Cze)
[Transvaginal urethrocystoplasty: clinical observations and therapy] Austoni E, et al. Ann Ostet Ginecol Med Perinat 1985 Jul–Aug; 106(4):206–13 (Eng. Abstr.) (Ita)
[Posterior urethral valve. Experience with 4 cases] Umeyama T, et al. Nippon Hinyokika Gakkai Zasshi 1985 Jul; 76(7):1071–7 (Eng. Abstr.) (Jpn)
[Urethrovaginal fistulas] Perepechal DL. Urol Nefrol (Mosk) 1985 Jul–Aug;(4):53–5 (Eng. Abstr.) (Rus)
[Surgical treatment of recurrent and acquired fistulae of the rectum and urogenital system in children] Sitkovskii NB, et al. Vestn Khir 1985 Dec;135(12):85–90 (Eng. Abstr.) (Rus)

THERAPY

Irritable urethral syndrome: follow up study in general practice. O'Dowd TC, et al. Br Med J [Clin Res] 1986 Jan 4;292(6512):30–2
Urethral syndrome [letter] Friedman MR. Urology 1986 Sep; 28(3):259
[Striated sphincter of the urethra. 4: Therapeutic possibilities] De Leval J, et al. J Urol (Paris) 1985;91(1):1–12 (98 ref.) (Eng. Abstr.) (Fre)

VETERINARY

Clinical response and urethral pressure profile changes after phenylpropanolamine in dogs with primary sphincter incompetence. Richter KP, et al. J Am Vet Med Assoc 1985 Sep 15;187(6):605–11

URETHRAL NEOPLASMS

[Carcinoma of the female urethra] Nan XY. Chung Hua Chung Liu Tsa Chih 1985 Nov;7(6):455–6 (Eng. Abstr.) (Chi)

COMPLICATIONS

Adenocarcinoma of Skene's duct associated with a systemic coagulopathy. Taylor RN, et al. Gynecol Oncol 1985 Oct; 22(2):250–6
[Polyp of the posterior urethra. Apropos of 6 cases] Cendron J, et al. Chir Pediatr 1985;26(6):356–61 (Eng. Abstr.) (Fre)

CONGENITAL

Congenital posterior urethral polyps. Foster RS, et al. J Urol 1986 Sep;136(3):670–2
Congenital polyp of the prostatic urethra in childhood. Report of 3 cases and review of literature. Bruijnes E, et al. Urol Int 1985;40(5):287–91
[Congenital polyp of the posterior urethra] Henriquez J, et al. Actas Urol Esp 1986 Mar–Apr;10(2):141–4 (Eng. Abstr.) (Spa)

DIAGNOSIS

[Inflammatory polyp of the urethra in the adult] Cortadellas Angel L, et al. Actas Urol Esp 1985 Jul–Aug;9(4):373–4 (Spa)
[Leiomyoma of the female urethra. Diagnostic significance] Arango OJ, et al. Arch Esp Urol 1985 Jul–Aug;38(4):419–22 (Eng. Abstr.) (Spa)

DRUG THERAPY

Treatment of urothelial carcinoma of the upper urinary tract following prostatocystectomy with mitomycin C instillation in the ileal loop. van Helsdingen PJ, et al. J Urol 1986 Aug;136(2):461–3
[Therapeutic possibilities in the treatment of condylomata of the distal urethra] Destito A, et al. Chir Patol Sper 1983 Oct;31(5):209–14 (Eng. Abstr.) (Ita)

ETIOLOGY

Paget's disease of the urethral meatus following transitional cell carcinoma of the bladder. Tomaszewski JE, et al. J Urol 1986 Feb;135(2):368–70
Post urethroplasty squamous cell carcinoma. Sawczuk I, et al. NY State J Med 1986 May;86(5):261–3

OCCURRENCE

[Urethral recurrence of bladder carcinoma following cystectomy] Takigawa H, et al. Nippon Hinyokika Gakkai Zasshi 1986 Feb;77(2):323–7 (Eng. Abstr.) (Jpn)

PATHOLOGY

Clear cell adenocarcinoma of the bladder and urethra. A report of three cases and review of the literature. Young RH, et al. Am J Surg Pathol 1985 Nov;9(11):816–26 (83 ref.)
Benign urethral villous adenoma. Case report. Howells MR, et al. Br J Obstet Gynaecol 1985 Oct;92(10):1070–1
Primary penile urethral carcinoma. Mahmood SA, et al. Br J Urol 1986 Jun;58(3):333
Primary malignant melanoma of the female urethral meatus. Robutti F, et al. Eur Urol 1986;12(1):62–3
Primary malignant melanoma of female urethra: report of a case and review of the literature. Yoshida K, et al. Hinyokika Kiyo 1986 Jan;32(1):105–11 (16 ref.)
Urethral cancer. Srinivas V, et al. Hosp Pract [Off] 1985 May 15;20(5):147–8, 152–4
Primary malignant melanoma of the urethra in a black man: a case report. Sanders TJ, et al. J Urol 1986 May; 135(5):1012–4
Primary carcinoma of the urethra in men [editorial] Godec CJ. NY State J Med 1986 May;86(5):234
Primary transitional cell carcinoma of the female urethra with features of clear cell adenocarcinoma. Groben P, et al. Urol Int 1985;40(5):294–7
Intraurethral condylomas acuminata in previous hypospadias repair. Buscemi ML, et al. Urology 1985 Oct;26(4):398–9
Carcinoma in diverticulum of female urethra. Gonzalez MO, et al. Urology 1985 Oct;26(4):328–32
Ectopic prostatic tissue in urethra. Leifert S, et al. Urology 1985 Nov;26(5):509–10
[Fibroadenoma of the paraurethral glands. Immunohistochemical study] Bertrand G, et al. Ann Pathol 1985;5(4–5):319–24 (Eng. Abstr.) (Fre)
[A rare case of hemangiomatous tumor of the posterior urethra] Destito A, et al. Ann Urol (Paris) 1985;19(6):406–8 (Eng. Abstr.) (Fre)
[Condyloma acuminatum of the urethral in a child: a case report and review of the literature] Takahashi Y, et al. Hinyokika Kiyo 1985 Aug;31(8):1483–8 (Eng. Abstr.) (Jpn)
[Urothelial inverted papilloma located in the urethra. Review of the literature] Carballido Rodriguez J, et al. Actas Urol Esp 1986 Mar–Apr;10(2):131–6 (Eng. Abstr.) (Spa)

RADIOGRAPHY

[Carcinoma of the male urethra. Study of a case] Bascuas Méliz S, et al. Actas Urol Esp 1985 Sep–Oct;9(5):437–40 (Eng. Abstr.) (Spa)

RADIOTHERAPY

Primary malignant neoplasm of the female urethra. Ampil FL. Obstet Gynecol 1985 Dec;66(6):799–804
[Radiotherapy of penis and urethral cancers] Müller RP, et al. Urologe [A] 1986 Jan;25(1):23–7 (Eng. Abstr.) (Ger)

SECONDARY

Papillary adenoma of the prostatic urethra. Zeid M, et al. Prostate 1986;9(1):9–14

SURGERY

The use of neodymium–YAG lasers in urology: indications, technique and critical assessment. Staehler G, et al. J Urol 1985 Dec;134(6):1155–60
Laser treatment of condylomata acuminata. Stein BS. J Urol 1986 Sep;136(3):593–4
[Neoplasms of the male urethra: diagnosis and therapy] Ferrone G, et al. Chir Ital 1985 Oct;37(5):525–32 (Eng. Abstr.) (Ita)
[Conservative surgery of tumors of the urethra] Castiñeiras J, et al. Arch Esp Urol 1985 Sep–Oct;38(5):449–56 (Eng. Abstr.) (Spa)

THERAPY

Management of condyloma acuminatum. Silva PD, et al. J Am Acad Dermatol 1985 Sep;13(3):457–63
Carcinoma in situ of the glans penis and distal urethra. Bernstein G, et al. J Dermatol Surg Oncol 1986 May; 12(5):450–5
Condyloma acuminatum treated with human leukocyte interferon. Szöke B. J Urol 1986 Jun;135(6):1247–8

URETHRAL OBSTRUCTION

CONGENITAL

Prognosis of posterior urethral valves presenting at birth. Nakayama DK, et al. J Pediatr Surg 1986 Jan;21(1):43–5
[Congenital urethral obstructions in male children] J Urol (Paris) 1984;90(10):649–58 (Fre)
[Clinical study of congenital mechanical obstruction of lower urinary tract] Gotoh T, et al. Nippon Hinyokika Gakkai Zasshi 1986 Feb;77(2):276–88 (Eng. Abstr.) (Jpn)

DIAGNOSIS

Unsuspected proximal urethral obstruction in young and middle-aged men. Norlen LJ, et al. J Urol 1986 May; 135(5):972–6
A possible prenatal evaluation of renal function by amino acid analysis on fetal urine. Lenz S, et al. Prenat Diagn 1985 Jul–Aug;5(4):259–67

DRUG THERAPY

Role of sympathetic blocking agents in outflow obstruction. Caine M. Clin Sci 1986;70 Suppl 14:63s–68s (20 ref.)

EMBRYOLOGY

[Valves of the posterior urethra: case reviews] Sierra J, et al. An Esp Pediatr 1986 Mar;24(3):197–201 (Eng. Abstr.) (Spa)

ETIOLOGY

Prolapse of an ectopic ureterocele into both urethra and ipsilateral orthotopic ureter. Hochhauser L, et al. Pediatr Radiol 1986;16(2):167–8
[A rare cause of obstruction of the posterior urethra: bladder diverticulum (letter)] Bensman A, et al. Arch Fr Pediatr 1986 Feb;43(2):150 (Fre)
[Polyp of the posterior urethra. Apropos of 6 cases] Cendron J, et al. Chir Pediatr 1985;26(6):356–61 (Eng. Abstr.) (Fre)
[Urinary retention secondary to a müllerian duct cyst] Spinelli C, et al. Minerva Chir 1985 Jul 15–31; 40(13–14):1013–6 (Eng. Abstr.) (Ita)
[A case of complicated giant urethro-vesical calculosis. Etiopathogenetic considerations] Giona C, et al. Minerva Urol Nefrol 1986 Jan–Mar;38(1):31–3 (Eng. Abstr.) (Ita)

PATHOLOGY

Urinary extravasation in the fetus with obstructive uropathy. Adzick NS, et al. J Pediatr Surg 1985 Dec;20(6):608–15

PHYSIOPATHOLOGY

Dynamics of the urinary tract in longterm vesico-ureteric reflux and infravesical obstruction in pigs. IV. Jörgensen TM. Scand J Urol Nephrol 1985;19(3):193–202

RADIOGRAPHY

[Bladder neck and urethral obstructions in childhood. Radiological study (review and personal case reports)] Suria G, et al. Ann Oto Maria Vittoria Torino 1984 Jul–Dec;27(7–12):159–84 (Eng. Abstr.) (Ita)
[Urethrocystography in a case of hypertrophy of the middle lobe of prostatic adenoma] Staniaszczyk R, et al. Pol Przegl Radiol (Warszawa) 1984 Nov–Dec;48(6):421–2 (Eng. Abstr.) (Pol)

SURGERY

Management of posterior urethral valves. Sen S, et al. Indian Pediatr 1986 Jul;23(7):525–8
Temporary cutaneous umbilical vesicostomy in premature infants with urethral obstruction. Adzick NS, et al. J Pediatr Surg 1986 Feb;21(2):171–2
Percutaneous antegrade ablation of posterior urethral valves in infants with small caliber urethras: an alternative to urinary diversion. Zaontz MR, et al. J Urol 1986 Jul;136(1 Pt 2):247–8
Endoscopic internal urethrotomy in complete urethral obstruction following straddle injury. Choi H. Urology 1986 Jan;27(1):65–6
[Posterior urethral valves. Type of treatment and short- and long-term evaluation of renal function] Belloli G, et al. Pediatr Med Chir 1985 Sep–Oct;7(5):653–62 (Eng. Abstr.) (Ita)
[Percutaneous nephrostomy] Hirao Y, et al. Hinyokika Kiyo 1985 Jul;31(7):1281–6 (Eng. Abstr.) (Jpn)

VETERINARY

Vaginal myxoma causing urethral and colonic obstruction in a tiger. Kollias GV Jr, et al. J Am Vet Med Assoc 1985 Dec 1;187(11):1261–2
Nonsurgical management of canine obstructive urolithopathy. Osborne CA, et al. Vet Clin North Am [Small Anim Pract] 1986 Mar; 16(2):333–47
Obstructive urethral calculi in the male camel: report of two cases. Kock RA. Vet Rec 1985 Nov 9;117(19):494–6
Massive obstructive urolithiasis in a bull used for artificial insemination. Ogaa JS, et al. Vet Rec 1985 Dec 21–28; 117(25–26):664–6

URETHRAL STRICTURE

COMPLICATIONS

Gynecologic and urodynamic evaluation of women with urinary incontinence. Benson JT. Obstet Gynecol 1985 Nov;66(5):691–4

ETIOLOGY

Urethral strictures at the Kenyatta National Hospital. Adwok JA. East Afr Med J 1986 Mar;63(3):175–81
Urethral stricture following cardiovascular surgery: role of urethral ischemia. Elhilali MM, et al. J Urol 1986 Feb; 135(2):275–7
Balanitis xerotica obliterans in children. Garat JM, et al. J Urol 1986 Aug;136(2):436–7
[Iatrogenic stricture of the urethra. A review of 67 cases]

Boujnah H, et al. **Tunis Med** 1985 Dec;63(12):705–9 (Eng. Abstr.) **(Ara)**

[Urethral stricture in patients after cardiac surgery] Vilmann P, et al. **Ugeskr Laeger** 1986 Jun 16;148(25):1539–40 (Eng. Abstr.) **(Dan)**

[Bladder catheterization in long-term surgical intensive care] Tauzin-Fin P, et al. **Agressologie** 1985 Nov;26(10):807–10 (Eng. Abstr.) **(Fre)**

[Iatrogenic stenosis of the urethra. Apropos of 67 cases] Boujnah H, et al. **J Urol (Paris)** 1985;91(3):163–6 (Eng. Abstr.) **(Fre)**

[Risks of operative treatment of prostatic adenoma in terminal renal failure] Britten D. **Urologe [A]** 1985 Sep;24(5):283–4 (Eng. Abstr.) **(Ger)**

[Role of inflammation in the development of urethral strictures in men] Rusakov VI, et al. **Vestn Dermatol Venerol** 1985 Jul;(7):64–5 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[Study on voiding disturbance in elderly males. II. Analysis of the patterns in uroflowmetric studies in patients with obstructive diseases in lower urinary tract and neurogenic bladder] Shimizu K, et al. **Hinyokika Kiyo** 1985 Sep; 31(9):1575–81 (Eng. Abstr.) **(Jpn)**

[Function of the lower urinary tract in patients with traumatic urethral stricture] Trapeznikova MF, et al. **Urol Nefrol (Mosk)** 1986 Jan-Feb;(1):35–9 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Retention secondary to urethral stricture in the female. Merimsky E. **Urology** 1985 Dec;26(6):598

SURGERY

Visual internal urethrotomy. A prospective controlled trial comparing the results after 3 versus 28 days of postoperative catheterisation. Nielsen HO, et al. **Ann Chir Gynaecol** 1985;74(5):244–6

Graft urethroplasty in the treatment of urethral stricture disease. Badejo OA, et al. **Br J Clin Pract** 1986 Jul; 40(7):282–7

A simple approach to the entire urethra. De Sy WA, et al. **Br J Urol** 1986 Jun;58(3):344

Direct vision internal urethrotomy. A critical review of 365 operations. Holm-Nielsen A, et al. **Br J Urol** 1984 Jun; 56(3):308–12

The use of split-skin mesh graft in the management of urethral strictures. Lipsky H. **Br J Urol** 1986 Apr; 58(2):174–7

Long-term results of two-stage urethroplasty. Somerville JJ, et al. **Br J Urol** 1985 Dec;57(6):742–5

Modern approaches to the treatment of male urethral strictures. Horňák M, et al. **Czech Med** 1986;9(1):23–8

Long-term results of treatment of urethral strictures by transpubic urethroplasty. Zvara V, et al. **Czech Med** 1986; 9(1):1–8

Island pedicle graft in the correction of urethral meatal stenosis following hypospadias repair. Palmer JM, et al. **J Urol** 1986 Jun;135(6):1227–8

Long-term results of transpubic prostatomembranous urethroplasty in children. Patil UB. **J Urol** 1986 Jul;136(1 Pt 2):286–7

Urethroplasty management in 100 cases of urethral stricture: a rationale for procedure selection. Webster GD, et al. **J Urol** 1985 Nov;134(5):892–8

Perineal transpubic repair: a technique for treating post-traumatic prostatomembranous urethral strictures. Webster GD, et al. **J Urol** 1986 Feb;135(2):278–9

Post urethroplasty squamous cell carcinoma. Sawczuk I, et al. **NY State J Med** 1986 May;86(5):261–3

Cystoscopic transvesical placement of sutures for repair of posterior urethral strictures. Boileau MA, et al. **Urology** 1986 Feb;27(2):171

Excisional repair of urethral stricture. Follow-up of 90 patients. Jakse G, et al. **Urology** 1986 Mar;27(3):233–6

Postoperative care following internal urethrotomy. Kaisary AV. **Urology** 1985 Oct;26(4):333–6

Catheterization postoptical urethrotomy [letter] Kesner KM. **Urology** 1986 Jun;27(6):575

[Personal experiences in the treatment of urethral strictures using endoscopic urethrotomy] Albrecht K, et al. **Z Arztl Fortbild (Jena)** 1985;79(11):485–7 **(Ger)**

[Value of the distal urethrotomy in girls with infravesicular obstruction and vesico-ureteral reflux] Nürnberger N. **Z Urol Nephrol** 1985 Nov;78(11):589–93 (Eng. Abstr.) **(Ger)**

[Internal urethrotomy under urethral anesthesia] Lee K, et al. **Hinyokika Kiyo** 1986 Apr;32(4):609–10 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of urethral stricture. 5th report: Incontinence after urethroplasty for posterior urethral stenosis due to pelvic fracture] Inoue T, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Mar;77(3):415–23 (Eng. Abstr.) **(Jpn)**

[Full-thickness skin graft urethroplasty] Takada K. **Nippon Hinyokika Gakkai Zasshi** 1986 Mar;77(3):403–8 (Eng. Abstr.) **(Jpn)**

[Results of treatment of urethral stricture using internal optical urethrotomy] Borówka A, et al. **Pol Tyg Lek** 1986 Jan 13;41(2):42–5 (Eng. Abstr.) **(Pol)**

[Endoscopic urethrotomy in sclerotic stenosis] Grinev AV. **Urol Nefrol (Mosk)** 1985 Sep-Oct;(5):18–21 (Eng. Abstr.) **(Rus)**

[Modification of the Mikhalovskii's operation in strictures of the penile part of the urethra] Kudriavtsev LA, et al. **Urol Nefrol (Mosk)** 1985 Sep-Oct;(5):21–3 (Eng. Abstr.) **(Rus)**

[Surgical treatment of patients with post-traumatic urethral stricture] Nikol'skii AD, et al. **Urol Nefrol (Mosk)** 1986 Jan-Feb;(1):39–43 (Eng. Abstr.) **(Rus)**

[Stenosis of the urethra: endoscopic treatment in 40 patients] de la Rosa F, et al. **Actas Urol Esp** 1986 Jul-Aug; 10(4):243–6 (Eng. Abstr.) **(Spa)**

[Distal urethroplasty with flap] Zungri E, et al. **Actas Urol Esp** 1986 Jan-Feb;10(1):29–30 (Eng. Abstr.) **(Spa)**

URETHRITIS

[Gonococcal and nongonococcal urethritis] Srougi M, et al. **AMB** 1985 Sep-Oct;31(9–10):157–64 (65 ref.) (Eng. Abstr.) **(Por)**

CHEMICALLY INDUCED

The assessment of urinary catheter toxicity using cell cultures: validation by comparison with an animal model. Nacey JN, et al. **J Urol** 1986 Sep;136(3):706–9

COMPLICATIONS

Gynecologic and urodynamic evaluation of women with urinary incontinence. Benson JT. **Obstet Gynecol** 1985 Nov;66(5):691–4

[Etiological role of genital Mycoplasma in non-gonococcal urethritis and complications] Schmidt U, et al. **Arch Exp Veterinarmed** 1986 Jan;40(1):121–7 (Eng. Abstr.) **(Ger)**

[Chlamydia trachomatis infection in a patient with condylomata acuminata] Jahn G, et al. **Geburtshilfe Frauenheilkd** 1986 Jan;46(1):56–9 (Eng. Abstr.) **(Ger)**

[Chlamydia trachomatis as a causative factor in prostatitis] Zdrodowska-Stefanow B, et al. **Pol Tyg Lek** 1985 Jun 10; 40(23):648–50 (Eng. Abstr.) **(Pol)**

[Mixed Trichomonas and Mycoplasma infections in women] Delectorskil VV, et al. **Vestn Dermatol Venerol** 1985 Aug; (8):28–32 (Eng. Abstr.) **(Rus)**

[Role of inflammation in the development of urethral strictures in men] Rusakov VI, et al. **Vestn Dermatol Venerol** 1985 Jul;(7):64–5 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Genital chlamydial infections in the female. Weström L. **Arch Gynecol** 1985;238(1–4):811–9

Comparisons of standard diagnostic techniques with Gonostat in detecting gonococcal urethritis in men [letter] Hicks DA, et al. **Genitourin Med** 1985 Dec;61(6):411

Clinical approach to urethritis, mucocutaneous lesions, and inguinal lymphadenopathy in homosexual men. Rein MF. **Med Clin North Am** 1986 May;70(3):587–609

[Direct diagnosis of Chlamydia trachomatis using monoclonal antibodies: diagnosis without culture?] de Wit FS, et al. **Ned Tijdschr Geneeskd** 1985 Sep 21;129(38):1824–7 (Eng. Abstr.) **(Dut)**

[Cytomegalovirus infection--significance in gynecology and obstetrics] Neumann-Haefelin D. **Gynakologe** 1985 Sep; 18(3):156–9 **(Ger)**

[The case from practice (56). Patient: Mr. D., born 3 October 1958] Gerber A, et al. **Schweiz Rundsch Med Prax** 1986 Jun 10;75(24):739–40 **(Ger)**

[Urethritis in the male, diagnosis and therapy] Korting HC. **Ther Umsch** 1985 Nov;42(11):748–54 (63 ref.) (Eng. Abstr.) **(Ger)**

[Significance and problems of Chlamydia detection in urologic patients] Krech T, et al. **Urologe [A]** 1986 May; 25(3):153–6 (Eng. Abstr.) **(Ger)**

[Clinical study of urogenital infection of Chlamydia trachomatis with direct smear specimens using FITC-labeled monoclonal antibody specific to Chlamydia trachomatis] Tsunekawa T, et al. **Kansenshogaku Zasshi** 1985 May;59(5):478–85 (Eng. Abstr.) **(Jpn)**

[Chlamydia trachomatis: comparative study of isolation with cell culture and direct examination, in the diagnosis of male urethritis] Belda W, et al. **Rev Paul Med** 1985 Jul-Aug; 103(4):199–201 (Eng. Abstr.) **(Por)**

[Clinico-laboratory evaluation of the Bordet-Gengou reaction in various forms of gonorrhea] Chistiakova TV, et al. **Vestn Dermatol Venerol** 1985 Aug;(8):68–71 **(Rus)**

[Diagnosis of Chlamydia trachomatis by direct examination with monoclonal antibodies] Martínez MA, et al. **Rev Med Chil** 1985 Aug;113(8):769–71 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Single dose treatment of gonococcal urethritis with augmentin in Ibadan. Osoba AO, et al. **Afr J Med Med Sci** 1985 Sep-Dec;14(3–4):169–73

Comparison of oxytetracycline, rifampicin, Septrin and trimethoprim in the treatment of NSU. Mohanty KC, et al. **Br J Clin Pract** 1986 Feb;40(2):78–9

Update on the treatment of sexually transmitted diseases. Fiumara NJ. **Compr Ther** 1986 Apr;12(4):38–43

Treatment of uncomplicated gonococcal urethritis in men with two dosages of ciprofloxacin. Tegelberg-Stassen MJ, et al. **Eur J Clin Microbiol** 1986 Apr;5(2):244–6

Evaluation of ciprofloxacin 500 mg twice daily for one week in treating uncomplicated gonococcal chlamydial, and non-specific urethritis in men. Arya OP, et al. **Genitourin Med** 1986 Jun;62(3):170–4

Unsuccessful treatment of non-gonococcal urethritis with roxoxacin provides information on the aetiology of the disease. Hawkins DA, et al. **Genitourin Med** 1985 Feb; 61(1):51–5

Ciprofloxacin for treating urethral gonorrhoea in men. Shahmanesh M, et al. **Genitourin Med** 1986 Apr;62(2):86–7

Effect of short term treatment of non-gonococcal urethritis with minocycline. Taylor-Robinson D, et al. **Genitourin Med** 1986 Feb;62(1):19–23

The combination of rifampicin-erythromycin in the treatment of gonococcal urethritis in men. Panikabutra K, et al. **J Med Assoc Thai** 1985 Nov;68(11):579–82

Simultaneous treatment for sexual partners of men with non-specific urethritis [letter] Lesseps A, et al. **Lancet** 1986 May 24;1(8491):1216

Single-dose oral treatment with cefaclor for men with uncomplicated gonococcal urethritis. Lim HB. **Med J Malaysia** 1984 Dec;39(4):272–4

Partial efficacy of clindamycin against Chlamydia trachomatis in men with nongonococcal urethritis. Bowie WR, et al. **Sex Transm Dis** 1986 Apr-Jun;13(2):76–80

[Decreased incidence of postgonococcal urethritis following minocycline treatment compared to penicillin/spectinomycin] Krause W, et al. **Z Hautkr** 1986 Jun 1;61(11):805–10 (Eng. Abstr.) **(Ger)**

[Treatment of nongonococcal urethritis--studies on clinical effects of ofloxacin] Saito I, et al. **Hinyokika Kiyo** 1986 Feb;32(2):303–9 (Eng. Abstr.) **(Jpn)**

[Therapeutic experiences of seishinrenshiin in patients with equivocal complaints of the lower urinary tract] Terada T, et al. **Hinyokika Kiyo** 1985 Jul;31(7):1253–6 (Eng. Abstr.) **(Jpn)**

[Clinical studies on doxycycline in the treatment of nongonococcal urethritis by Chlamydia trachomatis] Ito Y, et al. **Jpn J Antibiot** 1986 Jan;39(1):9–16 (Eng. Abstr.) **(Jpn)**

[Successful treatment of male urethritis with Chlamydia trachomatis by doxycycline] Kojima H, et al. **Jpn J Antibiot** 1985 Nov;38(11):3179–87 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of doxycycline in the treatment of Chlamydia trachomatis infections] Saito I, et al. **Jpn J Antibiot** 1985 Nov;38(11):3169–78 (Eng. Abstr.) **(Jpn)**

[A clinical evaluation of doxycycline in the treatment of genitourinary infections caused by Chlamydia trachomatis] Sumii T, et al. **Jpn J Antibiot** 1985 Nov;38(11):3188–93 (Eng. Abstr.) **(Jpn)**

[Clinical studies on doxycycline treatment of urogenital Chlamydia trachomatis infections] Tsunekawa T, et al. **Jpn J Antibiot** 1986 Jan;39(1):17–23 (Eng. Abstr.) **(Jpn)**

[Clinical studies on doxycycline in male nongonococcal urethritis] Yamagoe M, et al. **Jpn J Antibiot** 1985 Nov; 38(11):3156–68 (Eng. Abstr.) **(Jpn)**

[Minocycline treatment of chlamydia-infected non-gonococcal urethritis] Sumii T, et al. **Kansenshogaku Zasshi** 1985 Aug;59(8):831–5 (Eng. Abstr.) **(Jpn)**

[Clinical and microbiological results of doxycycline treatment of non-gonococcal urethritis (NGU) caused by Chlamydia and Ureaplasma] Dajek Z, et al. **Przegl Dermatol** 1986 Jan-Feb;73(1):59–65 (Eng. Abstr.) **(Pol)**

[Results of treating gonorrhea with a single dose of 3.5 g ampicillin combined with probenecid] Stapiński A, et al. **Przegl Dermatol** 1986 Jan-Feb;73(1):54–8 (Eng. Abstr.) **(Pol)**

[Treatment of mixed gonorrheal and chlamydial urethritis in men] Mavrov II, et al. **Vestn Dermatol Venerol** 1986; (4):56–8 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Nonspecific urethritis in men. Friberg J. **Arch Androl** 1985; 15(1):65–78

The setiology of urethral discharge in men. Lim KB, et al. **Singapore Med J** 1985 Jun;26(3):279–82

Gardnerella vaginalis carriage in male patients. Chowdhury MN. **Trop Geogr Med** 1986 Jun;38(2):137–40

[Clinical observation of non-gonococcal urethritis] Murakami S, et al. **Hinyokika Kiyo** 1985 Nov;31(11):1965–9 (Eng. Abstr.) **(Jpn)**

[Changing epidemiological and clinical picture of sexually transmitted diseases] Towpik J. **Pol Tyg Lek** 1985 Jun 10; 40(23):645–7 **(Pol)**

[Current theories on etiopathogenesis, clinical aspects and treatment of non-gonococcal urethritis] Dajek Z, et al. **Przegl Dermatol** 1985 Mar-Apr;72(2):176–81 (Eng. Abstr.) **(Pol)**

[Chlamydia infection as the cause of inflammatory diseases of the urogenital organs] Mavrov II. **Urol Nefrol (Mosk)** 1985 Sep-Oct;(5):11–3 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Antispermatozoal antibodies in men with urethritis. Shahmanesh M, et al. **Fertil Steril** 1986 Aug;46(2):308–11

Antigenic specificity of serological response in Chlamydia trachomatis urethritis detected by immunoblotting. Cevenini R, et al. **J Clin Pathol** 1986 Mar;39(3):325–7

[Detection of Chlamydia trachomatis antigen with an enzyme immunoassay] Näher H, et al. **Hautarzt** 1986 Jan; 37(1):37–41 (Eng. Abstr.) (Ger)

MICROBIOLOGY

The microbiology of non-gonococcal urethritis (NGU) in Singapore. Lim KB, et al. **Ann Acad Med Singapore** 1985 Oct;14(4):686–8

Non specific urethritis (NSU). Higgs D. **Aust Fam Physician** 1986 Mar;15(3):298

Solid-phase enzyme immunoassay for detection of Chlamydia trachomatis. van Ulsen J, et al. **Eur J Clin Microbiol** 1985 Aug;4(4):397–9

Cervicitis and urethritis caused by group B streptococcus: case report. Buttigieg G. **Genitourin Med** 1985 Oct; 61(5):343–4

Colonisation of the urethra with Streptococcus pneumoniae: a case report. Noble RC. **Genitourin Med** 1985 Oct; 61(5):345–6

Microbiological and serological study of non-gonococcal urethritis with special reference to Mycoplasma genitalium. Taylor-Robinson D, et al. **Genitourin Med** 1985 Oct; 61(5):319–24

Ureaplasma urealyticum causing persistent urethritis in a patient with hypogammaglobulinaemia. Taylor-Robinson D, et al. **Genitourin Med** 1985 Dec;61(6):404–8

Ureaplasma urealyticum & its antibodies in non-gonococcal urethritis. Deodhar L, et al. **Indian J Med Res** 1986 Apr; 83:374–6

Haemophilus influenzae and Haemophilus parainfluenzae in nongonococcal urethritis. Sturm AW. **J Infect Dis** 1986 Jan;153(1):165–7

The identification of Bacteroides ureolyticus from patients with non-gonococcal urethritis by conventional biochemical tests and by DNA and protein analyses. Taylor AJ, et al. **J Med Microbiol** 1986 Mar;21(2):109–16

Serotypes of Ureaplasma urealyticum isolated from patients with nongonococcal urethritis and gonorrhea and from asymptomatic urethral carriers. Crăcea E, et al. **Sex Transm Dis** 1985 Oct-Dec;12(4):219–23

Isolation of Chlamydia trachomatis from men with urethritis: relative value of one vs. two swabs and influence of concomitant gonococcal infection. Singal SS, et al. **Sex Transm Dis** 1986 Jan-Mar;13(1):50–2

[Prevalence of Chlamydia trachomatis in male urethritis in Casablanca (letter)] el Mdaghri N, et al. **Presse Med** 1986 Jun 21;15(25):1203–4 (Fre)

[Clinical evaluation of the Gonozyme enzyme immunoassay in comparison with the modified Thayer-Martin medium and the Jembec transport medium] Rufli T, et al. **Schweiz Med Wochenschr** 1985 Sep 14;115(37):1268–73 (Eng. Abstr.) (Ger)

[Significance of Ureaplasma urealyticum and Clostridium difficile in nongonococcal urethritis] Katoh N. **Kansenshogaku Zasshi** 1985 Jul;59(7):687–700 (Eng. Abstr.) (Jpn)

[Male urethritis and Chlamydia trachomatis] Fujii A, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 May;77(5):722–7 (Eng. Abstr.) (Jpn)

OCCURRENCE

[Sexually transmitted diseases in men. II. Urethral and anorectal infections] Christophersen J, et al. **Ugeskr Laeger** 1986 Feb 3;148(6):316–9 (Eng. Abstr.) (Dan)

[Urethritis in men in Belgium. Results of registration by a network of general practitioners] Stroobant A, et al. **Rev Epidemiol Sante Publique** 1985;33(6):432–6 (Eng. Abstr.) (Fre)

[Epidemiological characteristics of non-gonococcal urethritis in men] Stapiński A, et al. **Przegl Dermatol** 1985 Mar-Apr; 72(2):182–4 (Eng. Abstr.) (Pol)

PATHOLOGY

[Herpetic urethritis in men (a clinical electron microscopic study)] Grebeniuk VN, et al. **Vestn Dermatol Venerol** 1986; (4):52–5 (Eng. Abstr.) (Rus)

TRANSMISSION

Treatment for sexual partners of men with non-specific urethritis [letter] Bradbeer C, et al. **Lancet** 1986 Jun 21; 1(8495):1442

URIC ACID

Tophaceous gout of the spine in a patient with no peripheral tophi: case report and review of the literature. Varga J, et al. **Arthritis Rheum** 1985 Nov;28(11):1312–5 (14 ref.)

ANALOGS & DERIVATIVES

Erythrocyte ribosyluric acid of dairy cattle normal and deficient for uridine monophosphate synthase. Smith RC, et al. **J Dairy Sci** 1985 Oct;68(10):2723–6

A new synthesis of 9-beta-D-ribofuranosyluric acid and its 5'-monophosphate. Schulz BS, et al. **Nucleic Acids Symp Ser** 1985;(16):157–60

ANALYSIS

Immobilization of uricase on protamine bound to glass beads and its application to determination of uric acid. Nakamura N, et al. **Anal Biochem** 1986 Feb 1;152(2):386–90

A high-performance liquid chromatographic method for the determination of pseudouridine and uric acid in native human urine and ultrafiltered serum. Topp H, et al. **Anal Biochem** 1985 Nov 1;150(2):353–8

Prevalence of monosodium urate and calcium pyrophosphate dihydrate crystals in postmortem knee synovial fluid [letter] Moens C, et al. **Arthritis Rheum** 1985 Nov;28(11):1319–20

Comments on the uricase/peroxidase—phenol—4—aminoantipyrine reaction [letter] Pachla LA, et al. **Clin Chem** 1986 Jan;32(1 Pt 1):233–4

Improved spray reagent for thin layer chromatographic method for detecting uric acid: collaborative study. Ferrera RS, et al. **J Assoc Off Anal Chem** 1986 May-Jun; 69(3):499–503

Crystal-matrix interrelations in brushite and uric acid calculi. Iwata H, et al. **J Urol** 1986 Feb;135(2):397–401

Increased concentrations of uric acid in the spinal cord of rats with chronic relapsing experimental allergic encephalomyelitis. Honegger CG, et al. **Neurosci Lett** 1986 Aug 15;69(1):109–14

[Dissolution of uric acid calculi] Cai SL, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Sep;23(9):562–4, 574–5 (Eng. Abstr.) (Chi)

[Amniotic uric acid and urea in the last trimester of pregnancy] Matýlek P, et al. **Cesk Gynekol** 1985 Dec; 50(10):739–41 (Cze)

[Differential pulse voltammetry: focus on the measurement of 5-hydroxyindole compounds and uric acid in the brain] Cespuglio R, et al. **C R Acad Sci [III]** 1985;301(19):817–22 (Eng. Abstr.) (Fre)

[Computer tomography and urinary calculi. 2-determination of the composition of calculi by the CT value] Kageyama S, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Feb; 77(2):289–94 (Eng. Abstr.) (Jpn)

[Biochemical studies of the cerebral ischemia in the rat—changes in cerebral free amino acids, catecholamines and uric acid] Kaneko D. **No To Shinkei** 1986 Mar; 38(3):253–8 (Eng. Abstr.) (Jpn)

[Renal papilla calculus with a monosodium urate nucleus] Fernández-Conde M, et al. **Arch Esp Urol** 1985 Jul-Aug; 38(4):423–6 (Eng. Abstr.) (Spa)

ANTAGONISTS & INHIBITORS

[Dissolution of urate calculi] Bilobrov VM, et al. **Urol Nefrol (Mosk)** 1986 Mar-Apr;(2):33–8 (Eng. Abstr.) (Rus)

BLOOD

Serum uric acid correlates with beta 2-microglobulin in pre-eclampsia. Oian P, et al. **Acta Obstet Gynecol Scand** 1986;65(2):103–6

Study of the effect of hypouricaemic therapy on serum lipid levels in gout patients. Darlington LG, et al. **Adv Exp Med Biol** 1986;195 Pt A:341–4

Zinc-mediated urate binding to human albumin. Fleckenstein JL, et al. **Adv Exp Med Biol** 1986;195 Pt A:345–9

Effect of high altitude and acetazolamide on human serum and urine purines. Forster PJ, et al. **Adv Exp Med Biol** 1986;195 Pt A:601–7

Hyperuricemia as possible diagnostic aid to factitious-Bartter's syndrome. Jiménez ML, et al. **Adv Exp Med Biol** 1986;195 Pt A:351–6

Dose dependency of the uric acid lowering effects of allopurinol in the presence and absence of dietary purines. Löffler W, et al. **Adv Exp Med Biol** 1986;195 Pt A:441–6

The sex steroids influence on uric acid binding to human plasma proteins. Morozzi G, et al. **Adv Exp Med Biol** 1986; 195 Pt A:393–403

Erythrocyte GTP depletion in PNP deficiency presenting with haemolytic anaemia and hypouricaemia. Simmonds HA, et al. **Adv Exp Med Biol** 1986;195 Pt A:481–6

Unreliability of GUT score as predictor of CAD [letter] Signori D, et al. **Am J Clin Pathol** 1986 Feb;85(2):256

Hypouricemia due to renal tubular defect [letter] Gaspar GS, et al. **Arch Intern Med** 1986 Jun;146(6):1241, 1243

Increase in serum uric acid level associated with cisplatin therapy. Correlation with liver but not kidney platinum concentrations. Nanji AA, et al. **Arch Intern Med** 1985 Nov;145(11):2013–4

Allopurinol: a comparative study of the bioavailability and effect on plasma uric acid of two products in tablet form. Nissen P, et al. **Biopharm Drug Dispos** 1985 Oct-Dec; 6(4):441–6

The relation between plasma urate and placental bed vascular adaptation to pregnancy. McFadyen IR, et al. **Br J Obstet Gynaecol** 1986 May;93(5):482–7

Hyperuricemia and hypoalbuminemia predispose to cisplatin-induced nephrotoxicity. Nanji AA, et al. **Cancer Chemother Pharmacol** 1986;17(3):274–6

Azlocillin and serum uric acid. Papapetropoulou M, et al. **Chemioterapia** 1986 Apr;5(2):113–5

In vitro oxidation of uric acid in serum by methylene blue. Andranovich T, et al. **Clin Chem** 1986 Jan;32(1 Pt 1):177–9

Direct ultraviolet method for enzymatic determination of uric acid, with equilibrium and kinetic data-processing options. Dilena BA, et al. **Clin Chem** 1986 Mar;32(3):486–91

Reversed-phase liquid-chromatographic determination of purine compounds in serum applied to studies of hypouricemia. Kojima T, et al. **Clin Chem** 1986 Feb; 32(2):287–90

Hyperuricemia associated with sickle-cell anemia may compensate for chronic antioxidant deficiency. Liu TZ. **Clin Chem** 1986 Mar;32(3):560–1

Warfarin administration increases uric acid concentrations in plasma. Menon RK, et al. **Clin Chem** 1986 Aug; 32(8):1557–9

Bilirubin interference with determination of uric acid, cholesterol, and triglycerides in commercial peroxidase-coupled assays, and the effect of ferrocyanide. Spain MA, et al. **Clin Chem** 1986 Mar;32(3):518–21

Hypouricemic action of diflunisal in gouty patients. Pavelka K, et al. **Clin Rheumatol** 1986 Jun;5(2):271–2

Depression of glutamine-stimulated uric acid production and blood glutamine accumulation by insulin in chickens. Karasawa Y, et al. **Comp Biochem Physiol [B]** 1986; 84(2):159–61

Hypouricemia and renal tubular acidosis in primary biliary cirrhosis. Izumi N, et al. **Gastroenterol Jpn** 1985 Aug; 20(4):374–9

Rate of weight loss after vertical banded gastroplasty in morbid obesity: relationship to serum lipids and uric acid. Nanji AA, et al. **Int Surg** 1985 Oct-Dec;70(4):323–5

Loading tests for diagnosis of metabolic anomalies in urinary stone formers. Hesse A, et al. **Int Urol Nephrol** 1986; 18(1):45–53

Plasma fructose, uric acid, and inorganic phosphorus responses of hyperinsulinemic men fed fructose. Hallfrisch J, et al. **J Am Coll Nutr** 1986;5(1):61–8

Streptomycin induced acute hyperuricemia and podagra. Borade VB, et al. **J Assoc Physicians India** 1985 Jun; 33(6):427–8

Serum urate concentrations in the Dalmatian Coach Hound. Briggs OM, et al. **J Comp Pathol** 1985 Apr;95(2):301–4

Conservation of vitamin C by uric acid in blood. Sevanian A, et al. **J Free Radic Biol Med** 1985;1(2):117–24

Serum uric acid, urea nitrogen and creatinine levels in acute myocardial infarction. Prabhant C, et al. **J Med Assoc Thai** 1985 Sep;68(9):464–7

Antihyperuricemic properties of amflutizole in gout. Wortmann RL, et al. **J Rheumatol** 1985 Jun;12(3):540–3

Correlations between deviations from expected cirrhosis mortality and serum uric acid and dietary protein intake. Nanji AA, et al. **J Stud Alcohol** 1986 May;47(3):253–5

Hyperuricemia and gout. German DC, et al. **Med Clin North Am** 1986 Mar;70(2):419–36 (107 ref.)

Hyperuricemia and increase in postsecretory reabsorption of uric acid. Sanchez Bayle M, et al. **Nephron** 1986;43(2):151–2

Increased plasma uric acid after exercise in muscle phosphofructokinase deficiency. Kono N, et al. **Neurology** 1986 Jan;36(1):106–8

Renal hypouricaemia in a patient with 48,XXYY syndrome. Nakajima H, et al. **Postgrad Med J** 1986 Mar; 62(725):219–22

Captopril once daily in patients with essential hypertension and hyperuricaemia. Leary WP, et al. **S Afr Med J** 1985 Oct 26;68(9):642–4

Rational therapy for hyperuricaemia [editorial] Monteagudo FS, et al. **S Afr Med J** 1986 Mar 15;69(6):338

Plasma concentration of urate, urea and creatinine in Nigerian primigravidae with pre-eclampsia. Egwuatu VE. **Trop Geogr Med** 1986 Mar;38(1):11–5

Decrease in serum uric acid level following parathyroidectomy in patients with primary hyperparathyroidism. Duh QY, et al. **World J Surg** 1986 Aug;10(4):729–36

[Hyperuricemia in patients with essential hypertension] Wang XM, et al. **Chung Hua Nei Ko Tsa Chih** 1985 Dec; 24(12):709–11, 767 (Eng. Abstr.) (Chi)

[Hyperuricuria after fasting as a risk factor for the development of uric acid urolithiasis] Kříže k V, et al. **Cas Lek Cesk** 1986 Apr 18;125(16):478–80 (Eng. Abstr.) (Cze)

[Urate nephropathy—complication of cytostatic therapy] Doležel Z, et al. **Cesk Pediatr** 1986 Feb;41(2):105–7 (Cze)

[How to prevent the tumor lysis syndrome] Leclercq B, et al. **Presse Med** 1985 Dec 7;14(42):2127–8 (Fre)

[Blood uric acid and arterial hypertension in pregnancy. Interpretation and prognostic value] Bonhomme J, et al. **Rev Fr Gynecol Obstet** 1985 Jun;80(6 Pt 2):431–5 (Eng. Abstr.) (Fre)

[Differential diagnosis of hypouricemia. Apropos of a case of probable xanthinuria] Tesarik-Vouga AL, et al. **Schweiz Rundsch Med Prax** 1986 Jan 7;75(1-2):17–9 (Eng. Abstr.) (Fre)

[Serum potassium, creatinine and uric acid in 331 institutionalized elderly: pharmacologic considerations] Biron P, et al. **Union Med Can** 1986 Apr;115(4):273–5 (Eng. Abstr.) (Fre)

[Lipoprotein patterns in gout and hyperuricemia] Mertz DP. **Fortschr Med** 1985 Jul 11;103(26):686–90 (Eng. Abstr.) (Ger)

[Diagnosis in urinary calculus disease. Use of the purine stress test for the detection of latent hyperuricemia] Hesse A, et al. **Helv Chir Acta** 1985 Sep;52(3–4):493–8 (Eng. Abstr.)

(Ger)
[Life-threatening interaction between azathioprine and allopurinol] Greif J, et al. **Internist (Berlin)** 1985 Nov; 26(11):717–9 (Ger)
[Uric acid level of the serum and the incidence of primary hyperuricemia in children and adolescents] Mank H, et al. **Kinderarztl Prax** 1985 Dec;53(12):585–91 (Eng. Abstr.) (Ger)
[Hyperuricemia: explain, ignore or treat?] Kummer H. **Schweiz Med Wochenschr** 1986 Jun 14;116(24):797–801 (Eng. Abstr.) (Ger)
[Hyperuricemia: is treatment necessary or not?] Schlapbach P. **Ther Umsch** 1985 Oct;42(10):684–6 (32 ref.) (Eng. Abstr.) (Ger)
[Ketazone hepatosis—a possibility for the development of secondary hypouricemia] Heidelmann G, et al. **Z Arztl Fortbild (Jena)** 1986;80(1):17–8 (Ger)
[Behavior of biochemical parameters in probands with suspect cardiovascular findings in relation to age and sex. Studies of a representative sample following roentgen image screening (the Berlin cardiac detection and monitoring model)] Gerhard W, et al. **Z Gesamte Inn Med** 1985 Nov 1;40(21):619–24 (Eng. Abstr.) (Ger)
[An enzymatic color test for determining uric acid by the uricase–phenol–aminoantipyrine method] Krüger W, et al. **Z Med Lab Diagn** 1986;27(3):141–4 (Eng. Abstr.) (Ger)
[Influence of some sexual hormones on the binding of uric acid– plasma proteins: ex vivo and in vitro experience] D'Amato MS, et al. **Boll Soc Ital Biol Sper** 1985 Aug 30; 61(8):1177–83 (Eng. Abstr.) (Ita)
[Clinical experience with a new uricolytic agent] Alessandri C, et al. **Recenti Prog Med** 1986 Mar;77(3):147–8 (Eng. Abstr.) (Ita)
[A study on the prognosis of asymptomatic hyperuricemia—I] Hosoya T, et al. **Ryumachi** 1985 Nov; 25(5):369–71 (Eng. Abstr.) (Jpn)
[Secondary hyperuricemia] Nishizawa T. **Ryumachi** 1985 Sep;25(4):313–26 (Jpn)
[Serum glucose and uric acid levels in men aged 35–54 years employed by industrial plants in Wrocław] Chwistecki K, et al. **Przegl Lek** 1985;42(6):548–52 (Eng. Abstr.) (Pol)
[Determination of the uric acid content of the blood serum by high-performance liquid chromatography] Vanag IG, et al. **Lab Delo** 1986;(5):283–6 (Eng. Abstr.) (Rus)
[Hyperuricemia and pathology of the digestive organs in children] Kurshin MA, et al. **Pediatriia** 1985 Nov;(11):32–4 (Eng. Abstr.) (Rus)
[Blood lactic and uric acid levels in alcoholic lesions of the liver] Dzhalalov KD. **Sov Med** 1985;(8):17–21 (Eng. Abstr.) (Rus)
[Diagnostic significance of determining the blood content of lactic and uric acids in chronic liver lesions of alcoholic and viral etiologies] Loginov AS, et al. **Ter Arkh** 1985; 57(9):87–91 (Eng. Abstr.) (Rus)
[Hyperuricemic variant of latent glomerulonephritis] Mukhin NA, et al. **Ter Arkh** 1985;57(6):43–6 (Eng. Abstr.) (Rus)
[Differentiated dietotherapy of patients with obesity and hyperuricemia] Popova IuP, et al. **Vopr Pitan** 1985 Sep–Oct;(5):3–7 (Eng. Abstr.) (Rus)

CEREBROSPINAL FLUID

[Clinical value of the sequential study of the uric acid level in the CSF in patients with postoperative meningitis] Ueda T, et al. **No Shinkei Geka** 1985 Jul;13(7):719–24 (Eng. Abstr.) (Jpn)

ISOLATION & PURIFICATION

Low molecular weight immunosuppressive factors found in elevated amounts in cancer ascitic fluids of mice. 1. Isolation, identification and immunosuppressive effects of uric acid and uracil. Sami S, et al. **J Immunopharmacol** 1986;8(1):39–58

METABOLISM

Study to compare the relative hyperuricaemic effects of frusemide and bumetanide. Darlington LG. **Adv Exp Med Biol** 1986;195 Pt A:333–9
How can one define urate over-production in man? Emmerson BT. **Adv Exp Med Biol** 1986;195 Pt A:287–9
Hypouricemia due to renal urate wasting: different types of tubular transport defects. Gaspar GA, et al. **Adv Exp Med Biol** 1986;195 Pt A:357–63
The stabilization of ascorbic acid by uric acid. Hochstein P, et al. **Adv Exp Med Biol** 1986;195 Pt A:325–7
Diminished tubular secretion of urate in gout not dependent on serum urate levels. Mateos FA, et al. **Adv Exp Med Biol** 1986;195 Pt A:299–307
Sex differences in uric acid metabolism in adults: evidence for a lack of influence of estradiol–17 beta (E2). Puig JG, et al. **Adv Exp Med Biol** 1986;195 Pt A:317–23
Uric acid metabolism in psoriasis. Puig JG, et al. **Adv Exp Med Biol** 1986;195 Pt A:411–6
Frequency of intraarticular monosodium urate (MSU) crystals in asymptomatic hyperuricemic subjects. Weinberger A, et al. **Adv Exp Med Biol** 1986;195 Pt A:431–4
Cecal degradation of uric acid in Gambel quail. Campbell CE, et al. **Am J Physiol** 1986 Jul;251(1 Pt 2):R59–62
Urate and p-aminohippurate transport in rat renal basolateral vesicles. Kahn AM, et al. **Am J Physiol** 1985 Nov;249(5 Pt 2):F654–61
Urate transport in the proximal tubule: in vivo and vesicle studies. Kahn AM, et al. **Am J Physiol** 1985 Dec;249(6 Pt 2):F789–98 (51 ref.)
Lack of correlation between in vitro and in vivo effects of low density lipoprotein on the inflammatory activity of monosodium urate crystals. Gordon TP, et al. **Ann Rheum Dis** 1986 Aug;45(8):673–6
Yeast species utilizing uric acid, adenine, n-alkylamines or diamines as sole source of carbon and energy. Middelhoven WJ, et al. **Antonie Van Leeuwenhoek** 1985;51(3):289–301
Renal handling of uric acid: hypouricemia and tubular urate secretion [letter] Puig JG, et al. **Arch Intern Med** 1986 Sep; 146(9):1865
Preliminary evidence for the presence of an inhibitor on the surface of natural monosodium urate crystals [letter] Gordon TP, et al. **Arthritis Rheum** 1986 Sep;29(9):1172–3
Uric acid–iron ion complexes. A new aspect of the antioxidant functions of uric acid. Davies KJ, et al. **Biochem J** 1986 May 1;235(3):747–54
Ureidoglycollate lyase, a new metalloenzyme of peroxisomal urate degradation in marine fish liver. Takada Y, et al. **Biochem J** 1986 Apr 15;235(2):391–7
Increased norepinephrine and uric acid levels in the spinal cord of arthritic rats. Weil-Fugazza J, et al. **Brain Res** 1986 May 21;37[illegible]:190–4
Renal function and urate metabolism in late survivors with cyanotic congenital heart disease. Ross EA, et al. **Circulation** 1986 Mar;73(3):396–400
Binding of glycosaminoglycans to sodium urate and uric acid crystals. Fellström B, et al. **Clin Sci** 1986 Jul;71(1):61–4
Liquid chromatographic determination of uric acid and ascorbic acid in rat retinae after ophthalmic artery and optic nerve ligation. Iriyama K, et al. **Curr Eye Res** 1986 Jul;5(7):479–83
Uric acid disposition during intermittent chemotherapy of pulmonary tuberculosis with regimens containing pyrazinamide & rifampicin. Kannapiran M, et al. **Indian J Med Res** 1985 Aug;82:116–21
In vitro study of local solubility of uric acid stones with lithium carbonate. Jávor A, et al. **Int Urol Nephrol** 1985; 17(4):315–8
The fate of administered purines in the Dalmatian coach hound. Briggs OM, et al. **J Comp Pathol** 1986 May; 96(3):267–76
Changes of uric acid level in rat brain after focal ischemia. Kanemitsu H, et al. **J Neurochem** 1986 Mar;46(3):851–3
Tophaceous gout presenting with bilateral hand contractures and carpal tunnel syndrome [letter] Lianga J, et al. **J Rheumatol** 1986 Feb;13(1):230–1
Re: Dissolution of uric acid calculi with systemic alkalization [letter] Amin HA. **J Urol** 1985 Nov;134(5):976
Gravel passers. Sheikh MA, et al. **JPMA** 1985 Sep; 35(9):272–5
Sex differences in uric acid metabolism in adults: evidence for a lack of influence of estradiol–17 beta (E2) on the renal handling of urate. Antón FM, et al. **Metabolism** 1986 Apr;35(4):343–8
Hypouricemia in the syndrome of inappropriate secretion of antidiuretic hormone [letter] Shichiri M, et al. **Nephron** 1986;42(2):183–4
Immunochemical and ultrastructural characterization of serum proteins associated with monosodium urate crystals (MSU) in synovial fluid cells from patients with gout. Cherian PV, et al. **Ultrastruct Pathol** 1986;10(3):209–19
[Hypouricemia and hyperuricosuria in chronic decompensated respiratory insufficiency [letter]] Bonmarchand G, et al. **Presse Med** 1986 Feb 22;15(8):397–8 (Fre)
[Acute renal insufficiency caused by urate nephropathy and metastatic melanosarcoma (letter)] Gosset D, et al. **Presse Med** 1986 Apr 5;15(14):665–6 (Fre)
[Urates in genito-urinary lithiasis] Aguilar J, et al. **Arch Esp Urol** 1985 Sep–Oct;38(5):473–8 (Eng. Abstr.) (Spa)

PHARMACODYNAMICS

Uric acid protection of nucleobases from ozone-induced degradation. Meadows J, et al. **Arch Biochem Biophys** 1986 May 1;246(2):838–45
Uric acid protects membranes and linolenic acid from ozone–induced oxidation. Meadows J, et al. **Biochem Biophys Res Commun** 1986 May 29;137(1):536–41
Monosodium urate crystal–induced prostaglandin synthesis in the rat subcutaneous air pouch. Gordon TP, et al. **Clin Exp Rheumatol** 1985 Oct–Dec;3(4):291–6
Reduced susceptibility to lipid peroxidation in cold ischemic rabbit kidneys after addition of desferrioxamine, mannitol, or uric acid to the flush solution. Green CJ, et al. **Cryobiology** 1986 Aug;23(4):358–65
Granules are necessary for death of neutrophils after phagocytosis of crystalline monosodium urate. Rich AM, et al. **Inflammation** 1985 Sep;9(3):221–32
Effects of peptide hormones in urate crystal inflammation. Denko CW, et al. **J Rheumatol** 1985 Oct;12(5):971–5
A spin label study of the membranolytic effects of crystalline monosodium urate monohydrate. Herring FG, et al. **J Rheumatol** 1986 Jun;13(3):623–30
The effect of monosodium urate on the capacity of urine, chondroitin sulphate and heparin to inhibit calcium oxalate crystal growth and aggregation. Ryall RL, et al. **J Urol** 1986 Jan;135(1):174–7
Frequent administration of uric acid extends survival of fasting analbuminemic rats under cold environment. Kawaguchi T, et al. **Jpn J Physiol** 1986;36(2):295–303
[Response of polymorphonuclear neutrophils to monosodium urate crystals: production of oxygen free radicals] Parrini E, et al. **Boll Soc Ital Biol Sper** 1986 Mar 31;62(3):419–25 (Eng. Abstr.) (Ita)

SECRETION

[The effect of ascorbic acid on gastric secretion of uric acid] Neshyba P, et al. **Vnitr Lek** 1985 Nov;31(11):1068–70 (Eng. Abstr.) (Cze)

URINE

Corrected clearance identifies underexcretion of uric acid in a gouty kindred. Fleckenstein JL, et al. **Adv Exp Med Biol** 1986;195 Pt A:295–7
Renal handling of uric acid under methyclothiazide alone or associated with triamterene. Labeeuw M, et al. **Adv Exp Med Biol** 1986;195 Pt A:365–9
Spontaneous variations in the renal handling of uric acid. Pozet N, et al. **Adv Exp Med Biol** 1986;195 Pt A:405–9
Uric acid and phosphorus excretion in dogs with lymphosarcoma. Page RL, et al. **Am J Vet Res** 1986 Apr; 47(4):910–2
Successful treatment of hyperuricosuric calcium oxalate nephrolithiasis with potassium citrate. Pak CY, et al. **Arch Intern Med** 1986 May;146(5):863–7
Renal handling of urate in the syndrome of inappropriate secretion of antidiuretic hormone. Shichiri M, et al. **Arch Intern Med** 1985 Nov;145(11):2045–7
Time course of urinary excretion of intraportal ammonia as uric acid and ammonia in chickens fed low- or high-protein diet. Karasawa Y. **Comp Biochem Physiol [A]** 1986; 83(3):569–72
Characteristics of renal p-aminohippurate and urate excretion in rabbits. Donoso VS, et al. **J Lab Clin Med** 1986 Apr; 107(4):315–21
Purine excretion during tumor lysis in children with acute lymphocytic leukemia receiving allopurinol: relationship to acute renal failure. Andreoli SP, et al. **J Pediatr** 1986 Aug;109(2):292–8
Idiopathic hypercalciuria. Urate and other ions in urine before and on various long term treatments. Gill HS, et al. **Urol Res** 1985;13(6):271–5
The effect of crystalline monosodium urate on the crystallisation of calcium oxalate in whole human urine. Ryall RL, et al. **Urol Res** 1986;14(2):63–5
Etiopathogenesis of uric acid and ammonium urate uroliths in non–Dalmatian dogs. Kruger JM, et al. **Vet Clin North Am [Small Anim Pract]** 1986 Jan; 16(1):87–126 (91 ref.)
Dissolution of canine ammonium urate uroliths. Osborne CA, et al. **Vet Clin North Am [Small Anim Pract]** 1986 Mar; 16(2):375–88
Genetic predisposition to purine uroliths in Dalmatian dogs. Schaible RH. **Vet Clin North Am [Small Anim Pract]** 1986 Jan;16(1):127–31
[When does allopurinol treatment fail in recurring calcium lithiasis?] Ulshöfer B, et al. **Helv Chir Acta** 1985 Sep; 52(3–4):499–502 (Eng. Abstr.) (Ger)
[Why Dalmatians excrete uric acid. Causes and consequences of a classical metabolic disorder] Giesecke D, et al. **Tierarztl Prax** 1985;13(3):331–41 (Eng. Abstr.) (Ger)
[Diuretic and uricosuric activity of Parietaria judaica L.] Giachetti D, et al. **Boll Soc Ital Biol Sper** 1986 Feb 28; 62(2):197–202 (Eng. Abstr.) (Ita)
[A clinical study of urolithiasis in Shizuoka City Hospital—stone analysis and 24-hour urine calcium and uric acid levels] Kanamaru H, et al. **Hinyokika Kiyo** 1985 Jun;31(6):915–20 (Eng. Abstr.) (Jpn)
[Study of the influence of conditions during urine collection on measurement of the major constituents of urinary calculi] Miyazaki Y, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Jun;76(6):881–8 (E g. Abstr.) (Jpn)
[Staghorn calculi with hyperexcretion of uric acid: clinical treatment] de Arruda HO, et al. **Rev Paul Med** 1986 Jan–Feb;104(1):47–50 (Eng. Abstr.) (Por)
[Uricosuria after administration of benethazone] Loginova TK, et al. **Sov Med** 1985;(12):83–5 (Rus)
[Evaluation of the relation between uricosuria and hydroxyproline excretion in patients with ischemic heart disease in the period of early rehabilitation at a sanatorium] Endakova EA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Jan–Feb;(1):57–8 (Rus)

URICASE see **URATE OXIDASE**

URIDINE

Effect of replacing uridine 33 in yeast tRNAPhe on the reaction with ribosomes. Dix DB, et al. **J Biol Chem** 1986 Aug 5;261(22):10112–8
Synthesis of optically active beta-lactams using the photochemical reaction of 3-deazauridines. Katagiri N, et al. **Nucleic Acids Symp Ser** 1985;(16):113–6

ADMINISTRATION & DOSAGE

Comparison of the bioavailability of uridine in mice after

either oral or parenteral administration. Klubes P, et al. **Cancer Chemother Pharmacol** 1986;17(3):236–40

Clinical and pharmacokinetic studies of prolonged administration of high-dose uridine intended for rescue from 5-FU toxicity. van Groeningen CJ, et al. **Cancer Treat Rep** 1986 Jun;70(6):745–50

ANALOGS & DERIVATIVES

Anti-herpes simplex virus and cytostatic activity of some new 5-substituted 1-(4-hydroxybutyl)-and 1-(2-hydroxyethoxymethyl) uracil nucleoside analogues. Reefschläger J, et al. **Acta Virol (Praha)** 1985 May; 29(3):185–93

First clinical experiences with a selective chemotherapy of hepatocellular carcinoma with 5-fluorouridine in combination with other antipyrimidines. Pausch J, et al. **Adv Enzyme Regul** 1985;24:429–34

A high-performance liquid chromatographic method for the determination of pseudouridine and uric acid in native human urine and ultrafiltered serum. Topp H, et al. **Anal Biochem** 1985 Nov 1;150(2):353–8

Activity of 1-(2'-deoxy-2'-fluoro-beta-D-arabinofuranosyl)-5-iodouracil against simian varicella virus infections in African green monkeys. Soike KF, et al. **Antimicrob Agents Chemother** 1986 Jan;29(1):20–5

Mechanism of selective inhibition of human cytomegalovirus replication by 1-beta-D-arabinofuranosyl-5-fluorouracil. Suzuki S, et al. **Antimicrob Agents Chemother** 1985 Aug; 28(2):326–30

Treatment of experimental herpes simplex virus type 1 encephalitis in mice with (E)-5-(2-bromovinyl)- and 5-vinyl-1-beta-D-arabinofuranosyluracil: comparison with bromovinyl-deoxyuridine and acyclovir. Reefschläger J, et al. **Antiviral Res** 1986 Mar;6(2):83–93

Biosynthesis of 5-methylaminomethyl-2-selenouridine, a naturally occurring nucleoside in Escherichia coli tRNA. Wittwer AJ, et al. **Arch Biochem Biophys** 1986 Aug 1; 248(2):540–50

Two tRNAIle1 species from an extreme thermophile, Thermus thermophilus HB8: effect of 2-thiolation of ribothymidine on the thermostability of tRNA. Horie N, et al. **Biochemistry** 1985 Oct 8;24(21):5711–5

Halogenated nucleic acids: effects of 5-fluorouracil on the conformation and properties of a polyribonucleotide and its constituents. Loomis RE, et al. **Biopolymers** 1986 Apr; 25(4):571–600

Urinary pseudouridine excretion in myelomatosis. Sørensen SH, et al. **Br J Cancer** 1985 Dec;52(6):863–6

Urinary excretion of pseudouridine in patients with hepatocellular carcinoma. Tamura S, et al. **Cancer** 1986 Apr 15;57(8):1571–5

Pseudouridine: a prognostic marker in non-Hodgkin's lymphomas. Rasmuson T, et al. **Cancer Detect Prev** 1985; 8(1-2):287–90

Pseudouridine excretion and transfer RNA primers for reverse transcriptase in tumors of retroviral origin. Esposito F, et al. **Cancer Res** 1985 Dec;45(12 Pt 1):6260–3

Noninvasive spectroscopic analysis of fluoropyrimidine metabolism in cultured tumor cells. Keniry M, et al. **Cancer Res** 1986 Apr;46(4 Pt 1):1754–8

Inhibition of experimental pulmonary metastasis of mouse colon adenocarcinoma 26 sublines by a sialic acid:nucleoside conjugate having sialyltransferase inhibiting activity. Kijima-Suda I, et al. **Cancer Res** 1986 Feb;46(2):858–62

Use of 5-trifluoromethyldeoxycytidine and tetrahydrouridine to circumvent catabolism and exploit high levels of cytidine deaminase in tumors to achieve DNA- and target-directed therapies. Mekras JA, et al. **Cancer Res** 1985 Nov;45(11 Pt 1):5270–80

N3-benzyluridine exerts hypnotic activity in mice. Yamamoto I, et al. **Chem Pharm Bull (Tokyo)** 1985 Sep; 33(9):4088–90

Urinary pseudouridine as a tumor marker in patients with small cell lung cancer. Tamura S, et al. **Clin Chim Acta** 1986 Jan 30;154(2):125–32

The effect of 3-deazauridine and dipyridamole on uridine utilization by mice. Moyer JD, et al. **Eur J Cancer Clin Oncol** 1986 Mar;22(3):323–7

3-Deazauridine (NSC 126849): an interesting modulator of biochemical response. Moriconi WJ, et al. **Invest New Drugs** 1986;4(1):67–84

Fluoropyrimidine treatment of ocular cicatricial disease. Heath TD, et al. **Invest Ophthalmol Vis Sci** 1986 Jun; 27(6):940–5

Escherichia coli B/r leuK mutant lacking pseudouridine synthase I activity. Searles LL, et al. **J Bacteriol** 1986 Apr; 166(1):341–5

Identification of a modified nucleoside located in the first position of the anticodon of Torulopsis utilis tRNAPro as 5-carbamoylmethyluridine. Ogawa K, et al. **J Biochem (Tokyo)** 1986 Feb;99(2):527–30

Fluoropyrimidine-mediated changes in small nuclear RNA. Armstrong RD, et al. **J Biol Chem** 1986 Jan 5;261(1):21–4

15N-labeled tRNA. Identification of dihydrouridine in Escherichia coli tRNAfMet, tRNALys, and tRNAPhe by 1H-15N two-dimensional NMR. Davis DR, et al. **J Biol Chem** 1986 Mar 15;261(8):3584–7

Batch separation of uracil derivatives from urine. Uziel M. **J Chromatogr** 1986 Apr 25;377:175–82

Synthesis and antiviral activity of (E)-5-(2-bromovinyl)uracil and (E)-5-(2-bromovinyl)uridine. De Clercq E, et al. **J Med Chem** 1986 Feb;29(2):213–7

Enhanced serum concentrations of Ara-C using suppositories containing tetrahydrouridine as a deamination inhibitor of Ara-C. Liversidge GG, et al. **J Pharm Pharmacol** 1986 Mar;38(3):223–4

Effects of D-glucosamine and 6-azauridine on nucleotide contents, 5-fluorouridine uptake, and cytotoxicity in TA3 mammary tumor cells. Holstege A, et al. **JNCI** 1986 Mar; 76(3):485–92

Precursor-dependent differences in the incorporation of fluorouracil in RNA. Takimoto CH, et al. **Mol Pharmacol** 1986 Jun;29(6):637–42

On the mechanism of lithiation of uridine derivatives with lithium dialkylamides. Hayakawa H, et al. **Nucleic Acids Symp Ser** 1985;(16):109–12

Reaction of 2'5'-dichloro-2'5'-dideoxyuridine with nucleophiles. Hirota K, et al. **Nucleic Acids Symp Ser** 1985; (16):105–8

Gene for lysine tRNA1 may be a progenitor of the highly repetitive and transcribable sequences present in the salmon genome. Matsumoto K, et al. **Proc Natl Acad Sci USA** 1986 May;83(10):3156–60

Central depressant activities of N3-allyluridine and N3-allylthymidine. Yamamoto I, et al. **Res Commun Chem Pathol Pharmacol** 1986 Jun; 52(3):321–32

Does the metabolite uracil arabinoside inhibit cytosine arabinoside (Ara-C) penetration into the cerebrospinal fluid during high-dose Ara-C therapy? van Prooijen HC, et al. **Scand J Haematol** 1986 Jan;36(1):123–6

Pseudouridine and uridine in normal kidney and kidney cancer tissues. Koshida K, et al. **Urol Res** 1985;13(5):219–21

[1-(3-C-methyl-beta-D-ribofuranosyl)uracil-5'-phosphate--a terminator of RNA synthesis catalyzed by RNA polymerase from E. coli] Alvazashvili VA, et al. **Bioorg Khim** 1986 May;12(5):708–10 (Eng. Abstr.) **(Rus)**

ANALYSIS

Studies on the electrochemical behaviour of two anti-herpes uridines. Chatten LG, et al. **Analyst** 1985 Nov; 110(11):1369–72

[Reverse phase HPLC determination of nucleosides and their bases in the submerged culture of Ganoderma capense] Zhang GD, et al. **Yao Hsueh Hsueh Pao** 1986 Jan; 21(1):35–9 (Eng. Abstr.) **(Chi)**

[Simultaneous HPLC determination of cytidine, uridine and arginine malate] Campadello D, et al. **Farmaco [Prat]** 1985 Nov;40(11):383–7 (Eng. Abstr.) **(Ita)**

BLOOD

Trans-stimulation and trans-inhibition of uridine efflux from human erythrocytes by permeant nucleosides. Jarvis SM. **Biochem J** 1986 Jan 1;233(1):295–7

Effects of temperature on the transport of nucleosides in guinea pig erythrocytes. Jarvis SM, et al. **Can J Physiol Pharmacol** 1986 Feb;64(2):193–8

Plasma uridine changes in cancer patients treated with the combination of dipyridamole and N-phosphonacetyl-L-aspartate. Chan TC, et al. **Cancer Res** 1986 Jun;46(6):3168–72

METABOLISM

The effect of N-methyl-4-phenyl-1,2,3,6-tetrahydropyridine on uridine uptake in the mouse brain. Pakkenberg H, et al. **Brain Res** 1986 Jan 1;362(1):192–4

Tissue uridine pools: evidence in vivo of a concentrative mechanism for uridine uptake. Darnowski JW, et al. **Cancer Res** 1986 Jul;46(7):3490–4

Tissue-specific enhancement of uridine utilization and 5-fluorouracil therapy in mice by benzylacyclouridine. Darnowski JW, et al. **Cancer Res** 1985 Nov;45(11 Pt 1):5364–8

Effect of mouse skin tumor promoters upon [3H]uridine exchange and focus formation in cultures of C3H/10T1/2 mouse fibroblasts. Boreiko CJ, et al. **Carcinogenesis** 1986 Jul;7(7):1095–9

Nucleoside incorporation as a function of hormone levels during the early phases of estrogen-induced genesis of medullary bone in the Japanese quail, Coturnix coturnix. Hunter SJ, et al. **Cell Tissue Res** 1985;242(3):565–8

The effect of 3-deazauridine and dipyridamole on uridine utilization by mice. Moyer JD, et al. **Eur J Cancer Clin Oncol** 1986 Mar;22(3):323–7

Effect of lectins on 3H-uridine and 3H-thymidine uptake by cultured renal cell carcinoma and normal renal cells. Bazeed MA, et al. **Eur Urol** 1986;12(2):117–22

Stimulation of facilitated [3H]uridine transport by thyroid hormone in GH1 cells. Evidence for regulation by the thyroid hormone nuclear receptor. Stanley F, et al. **J Biol Chem** 1986 Jul 15;261(20):9400–4

Incorporation of C14-thymidine and C14-uridine nucleosides into nucleic acid molecules in the liver of mice exposed to trivalent arsenic in drinking water. Benei B, et al. **J Hyg Epidemiol Microbiol Immunol** 1985;29(4):347–51

Uridine transport and metabolism in the central nervous system. Spector R. **J Neurochem** 1985 Nov;45(5):1411–8

Regional specificity in estradiol effects on [3H]uridine incorporation in rat brain. Jones KJ, et al. **Mol Cell Endocrinol** 1986 Apr;45(1):57–63

Inhibition of uridine kinase and the salvage of uridine by modified pyrimidine nucleosides. Moyer JD, et al. **Mol Pharmacol** 1985 Nov;28(5):454–60

Pseudouridine and uridine in normal kidney and kidney cancer tissues. Koshida K, et al. **Urol Res** 1985;13(5):219–21

[Stimulating action of epidermal growth factor and insulin on uridine phosphorylation in 3T3 and 3T6 cells] Nikol'skil NN, et al. **Tsitologiia** 1985 Dec;27(12):1367–73 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Intravenous uridine treatment antagonizes hypoglycaemia-induced reduction in brain somatostatin-like immunoreactivity. Agnati LF, et al. **Acta Physiol Scand** 1986 Apr;126(4):525–31

Effects of uridine and thymidine on the degradation of 5-fluorouracil, uracil, and thymine by rat liver dihydropyrimidine dehydrogenase. Tuchman M, et al. **Cancer Res** 1985 Nov;45(11 Pt 1):5553–6

Interaction between uridine and GABA-mediated inhibitory transmission: studies in vivo and in vitro. Guarneri P, et al. **Epilepsia** 1985 Nov-Dec;26(6):666–71

Human chromosome hot points. IV. Uridine-induced hot-point breaks at 3p14 and 16q23-24 and increased expression of fragile site Xq27 in folate-free medium. Li N, et al. **Hum Genet** 1985;71(4):363–5

Uridine-induced hyperthermia in the rabbit. Cradock JC, et al. **J Pharm Pharmacol** 1986 Mar;38(3):226–9

Modulation of the effects of fluoropyrimidines on toxicity and tumor inhibition in rodents by uridine and thymidine. Hartmann HR, et al. **Med Oncol Tumor Pharmacother** 1986; 3(2):111–8

Sleep-promoting effects of intraperitoneally administered uridine in unrestrained rats. Honda K, et al. **Neurosci Lett** 1985 Nov 20;62(1):137–41

URIDINE DIPHOSPHATE see under **URACIL NUCLEOTIDES**

URIDINE DIPHOSPHATE N-ACETYLGALACTOSAMINE see under **URIDINE DIPHOSPHATE SUGARS**

URIDINE DIPHOSPHATE N-ACETYLGLUCOSAMINE see under **URIDINE DIPHOSPHATE SUGARS**

URIDINE DIPHOSPHATE N-ACETYLMURAMIC ACID see under **URIDINE DIPHOSPHATE SUGARS**

URIDINE DIPHOSPHATE GALACTOSE see under **URIDINE DIPHOSPHATE SUGARS**

URIDINE DIPHOSPHATE GLUCOSE see under **URIDINE DIPHOSPHATE SUGARS**

URIDINE DIPHOSPHATE GLUCOSE DEHYDROGENASE see under **CARBOHYDRATE DEHYDROGENASES**

URIDINE DIPHOSPHATE GLUCOSE EPIMERASE see under **CARBOHYDRATE ISOMERASES**

URIDINE DIPHOSPHATE GLUCURONIC ACID see under **URIDINE DIPHOSPHATE SUGARS**

URIDINE DIPHOSPHATE SUGARS

ANALYSIS

Effects of six anaesthetic agents on UDP-glucuronic acid and other nucleotides in rat liver. Christensson PI, et al. **Acta Anaesthesiol Scand** 1985 Aug;29(6):629–31

Piperine-mediated inhibition of glucuronidation activity in isolated epithelial cells of the guinea-pig small intestine: evidence that piperine lowers the endogeneous UDP-glucuronic acid content. Singh J, et al. **J Pharmacol Exp Ther** 1986 Feb;236(2):488–93

BIOSYNTHESIS

Biosynthesis of UDP-N-acetyl-D-glucosaminuronic acid and UDP-N-acetyl-D-mannosaminuronic acid in Micrococcus luteus. Kawamura T, et al. **J Biochem (Tokyo)** 1985 Jul;98(1):105–16

Hepatic UDP-glucuronic acid regulation during acetaminophen biotransformation in rats. Hjelle JJ. **J Pharmacol Exp Ther** 1986 Jun;237(3):750–6

Enhancements of mouse hepatic cytosol enzyme activities involved in UDP-glucuronic acid synthesis, glutathione reduction and conjugation with butylated hydroxyanisole (BHA) and its structural analogs. Cha YN, et al. **Yonsei Med J** 1984;25(2):105–15

METABOLISM

UDP-N-acetyl-D-galactosamine as a donor substrate for the glycosyltransferase encoded by the B gene at the human blood group ABO locus. Greenwell P, et al. **Carbohydr Res** 1986 Jun 1;149(1):149–70

The effect of inhibitors of mitochondrial energy production on hepatic glutathione, UDP-glucuronic acid, and adenosine 3'-phosphate-5'-phosphosulfate concentrations. Dills RL, et al. **Drug Metab Dispos** 1986 Mar-Apr;

14(2):190–6
Accumulation of UDP-GlcNAc into intracellular vesicles and occurrence of a carrier-mediated transport. Study with plasma-membrane-permeabilized mouse thymocytes.
Cecchelli R, et al. **Eur J Biochem** 1985 Nov 15;153(1):111–6
Biosynthesis of lipid-linked oligosaccharides in embryonic liver. Glucosylation of mannose containing dolichyl diphosphate oligosaccharide. Kyosseva SV, et al.
Int J Biochem 1986;18(2):195–8
Uridine diphosphate sugars: concentration and rate of synthesis in tissues of vertebrates. Zhivkov VI, et al.
Int J Biochem 1986;18(1):1–6
Acquisition of glucose by Rickettsia prowazekii through the nucleotide intermediate uridine 5'-diphosphoglucose. Winkler HH, et al. **J Bacteriol** 1986 Sep;167(3):805–8
The biosynthesis of gram-negative endotoxin. Formation of lipid A precursors from UDP-GlcNAc in extracts of Escherichia coli. Anderson MS, et al. **J Biol Chem** 1985 Dec 15;260(29):15536–41
Mechanism of galactosylation in the Golgi apparatus. A Chinese hamster ovary cell mutant deficient in translocation of UDP-galactose across Golgi vesicle membranes. Deutscher SL, et al. **J Biol Chem** 1986 Jan 5;261(1):96–100
Topography of glycosylation reactions in the rough endoplasmic reticulum membrane. Perez M, et al.
J Biol Chem 1986 May 25;261(15):6822–30
Determination of 5-fluorouridine diphosphate glucose as a metabolite of 5-fluorouracil in mouse T-lymphoma (S-49) cells using high-performance liquid chromatography. Day JL, et al. **J Chromatogr** 1986 Apr 18;356(3):445–9
Depletion of hepatic UDP-glucuronic acid by drugs that are glucuronidated. Howell SR, et al.
J Pharmacol Exp Ther 1986 Mar;236(3):610–4
Glycoconjugates as noninvasive probes of intrahepatic metabolism: pathways of glucose entry into compartmentalized hepatic UDP-glucose pools during glycogen accumulation. Hellerstein MK, et al.
Proc Natl Acad Sci USA 1986 Sep;83(18):7044–8
Exogenous uridine diphosphoglucuronic acid breakdown in rat small intestinal mucosa preparations. Effect of other nucleotides. Mottino AD, et al.
Res Commun Chem Pathol Pharmacol 1985 Sep;49(3):455–8

PHARMACODYNAMICS

Uridine sugar nucleotides modified in their nucleoside moieties and their effect on lipid-linked saccharide formation in vitro. McDowell W, et al. **Biosci Rep** 1986 May;6(5):435–43

THERAPEUTIC USE

Protection by uridine diphosphoglucuronic acid and DT-diaphorase against the cytotoxicity of polycyclic aromatic hydrocarbons isolated from a complex coal gasification condensate. Swanson MS, et al.
Toxicol Appl Pharmacol 1986 Jun 30;84(2):336–45

URIDINE DIPHOSPHATE XYLOSE see under **URIDINE DIPHOSPHATE SUGARS**

URIDINE KINASE see under **PHOSPHOTRANSFERASES, ATP**

URIDINE MONOPHOSPHATE see under **URACIL NUCLEOTIDES**

URIDINE PHOSPHATES see **URACIL NUCLEOTIDES**

URIDINE PHOSPHORYLASE see under **PENTOSYLTRANSFERASES**

URIDINE TRIPHOSPHATE see under **URACIL NUCLEOTIDES**

URINARY CALCULI

Struvite urolithiasis in animals and man: formation, detection, and dissolution. Osborne CA, et al.
Adv Vet Sci Comp Med 1985;29:1–101 (225 ref.)
Urolithiasis. Andriani RT, et al. **Clin Symp** 1986;38(3):3–32 (14 ref.)
Urolithiasis in childhood. Zvara V, et al. **Czech Med** 1985; 8(4):196–206
Urinary stones. Spirnak JP, et al. **Primary Care** 1985 Dec; 12(4):735–59 (104 ref.)
Abstracts of the 12th urolithiasis symposium Bonn–Vienna. Bonn (FRG), March 20–22, 1986. **Urol Res** 1986; 14(2):83–99
Spontaneous passage of large urethral calculus. Cummings JM, et al. **Urology** 1986 Jan;27(1):71

CHEMICALLY INDUCED

Effect of high oral doses of xylitol versus sucrose on urinary risk factors of urolithiasis in man. Bär A.
Int J Vitam Nutr Res [Suppl] 1985;28:91–118
Urolithiasis and nephrocalcinosis in xylitol- and sorbitol-fed male mice of two different strains. Bär A.
Int J Vitam Nutr Res [Suppl] 1985;28:69–89
Diet calcium carbonate, phosphorus and acidifying and alkalizing salts as factors influencing silica urolithiasis in rats fed tetraethylorthosilicate. Schreier CJ, et al.
J Nutr 1986 May;116(5):823–30
Calcium oxalate urolithiasis in the rat: is it a model for human stone disease? A review of recent literature. Khan SR, et al. **Scan Electron Microsc** 1985;(Pt 2):759–74 (123 ref.)
[Drug-induced crystalluria: myths and realities] Daudon M, et al. **Ann Biol Clin (Paris)** 1986;44(1):25–34 (Eng. Abstr.) (Fre)
[Calcium oxalate stones and hyperoxaluria secondary to treatment with pyridoxilate] Wolf C, et al.
Ann Urol (Paris) 1985;19(5):313–7 (Eng. Abstr.) (Fre)
[Iatrogenic oxalic lithiasis caused by pyridoxilate] Wolf C, et al. **Nephrologie** 1985;6(5):225–7 (Eng. Abstr.) (Fre)

COMPLICATIONS

The role of abnormal glucose tolerance, human lymphocyte antigen (HLA) typing, and urolithiasis in lichen planus [letter] Halevy S, et al. **J Am Acad Dermatol** 1986 Jan; 14(1):134–5
Vesical calculi associated with vesicovaginal fistulas: management considerations. Mahapatra TP, et al.
J Urol 1986 Jul;136(1):94–5
The management of upper urinary tract calculi in spinal cord damaged patients. Gardner BP, et al. **Paraplegia** 1985 Dec; 23(6):371–8
[A case of complicated giant urethro-vesical calculosis. Etiopathogenetic considerations] Giona C, et al.
Minerva Urol Nefrol 1986 Jan–Mar;38(1):31–3 (Eng. Abstr.) (Ita)
[Etiology, pathogenesis and treatment of acute pyelonephritis in urolithiasis patients] Rubtsov IuS.
Urol Nefrol (Mosk) 1985 Nov–Dec;(6):26–8 (Eng. Abstr.) (Rus)

DIAGNOSIS

Ultrasonic detection of urethral calculus. Gammelgaard J, et al. **Br J Urol** 1985 Oct;57(5):589–90
Migratory stone impacting female urethra. Pal SK, et al.
J Indian Med Assoc 1985 Apr;83(4):123–4
Re: US in the evaluation of acute flank pain [letter] Erwin BC, et al. **Radiology** 1985 Nov;157(2):554
The diagnosis, occurrence and clinical aspects of primary hyperparathyroidism in patients with recurrent urolithiasis as registered in general practice. Laerum E, et al.
Scand J Prim Health Care 1985 Nov;3(4):207–13
[Diagnosis in urinary calculus disease. Use of the purine stress test for the detection of latent hyperuricemia] Hesse A, et al. **Helv Chir Acta** 1985 Sep;52(3–4):493–8 (Eng. Abstr.) (Ger)
[Clinical observation of urolithiasis in Mie University Hospital] Nishii M, et al. **Hinyokika Kiyo** 1986 Apr; 32(4):561–5 (Eng. Abstr.) (Jpn)

DRUG THERAPY

Clinical results of allopurinol treatment in prevention of calcium oxalate stone formation. Tiselius HG, et al.
J Urol 1986 Jul;136(1):50–3
Observations with Magurlit in the treatment of patients with uric acid stone. Rosdy E, et al. **Ther Hung** 1984;32(2):82–4
[Medical treatment of idiopathic calcium lithiasis (II)] Bataille P, et al. **Nephrologie** 1985;6(4):195–202 (113 ref.) (Fre)
[When does allopurinol treatment fail in recurring calcium lithiasis?] Ulshöfer B, et al. **Helv Chir Acta** 1985 Sep; 52(3–4):499–502 (Eng. Abstr.) (Ger)
[Studies of phytin therapy for calcium urolithiasis with hypercalciuria. 1. Basal experiments] Ebisuno S, et al.
Nippon Hinyokika Gakkai Zasshi 1986 Jan;77(1):5–11 (Eng. Abstr.) (Jpn)
[Studies of phytin therapy for calcium urolithiasis with hypercalciuria. 2. An animal study] Ebisuno S, et al.
Nippon Hinyokika Gakkai Zasshi 1986 Jan;77(1):12–8 (Eng. Abstr.) (Jpn)

ETIOLOGY

Relationship of stone growth and urinary biochemistry in long-term follow-up of stone patients with idiopathic hypercalciuria. Marickar YM, et al. **Br J Urol** 1985 Dec; 57(6):613–7
Urinary calculi: microbiological and crystallographic studies. Rosenstein IJ. **CRC Crit Rev Clin Lab Sci** 1986;23(3):245–77 (206 ref.)
An acromegalic patient with recurrent urolithiasis. Tsuchiya H, et al. **Endocrinol Jpn** 1985 Dec;32(6):851–61
The effect of pH on the risk of calcium oxalate crystallization in urine. Berg C, et al. **Eur Urol** 1986;12(1):59–61
Common characteristics of mutant adenine phosphoribosyltransferases from four separate Japanese families with 2,8-dihydroxyadenine urolithiasis associated with partial enzyme deficiencies. Fujimori S, et al.
Hum Genet 1985;71(2):171–6
Rapid method for the diagnosis of partial adenine phosphoribosyltransferase deficiencies causing 2,8-dihydroxyadenine urolithiasis. Takeuchi F, et al.
Hum Genet 1985;71(2):167–70
The effect of short-term dietary changes on biochemical values in blood and urine and on some urinary risk factors for calcium oxalate stone formation in humans. Conyers RA, et al. **Int J Vitam Nutr Res [Suppl]** 1985;28:135–52
Metabolic disorders in patients with calcium urolithiasis. Butz M. **Int Urol Nephrol** 1986;18(2):131–9
Loading tests for diagnosis of metabolic anomalies in urinary stone formers. Hesse A, et al. **Int Urol Nephrol** 1986; 18(1):45–53
Skene's gland calculi produced by a Ureaplasma urealyticum infection. Gellman AC, et al. **J Urol** 1986 Apr;135(4):786–8
Lower tract urolithiasis after prostatectomy. Haddad FS.
J Urol 1986 Jul;136(1):123–6
Aetiological examination of recurrent urinary stone formers in general practice. Laerum E.
Scand J Prim Health Care 1983;1(2):56–62
Can the formation of calcium oxalate stones be explained by crystallization processes in urine? Baumann JM.
Urol Res 1985;13(6):267–70 (26 ref.)
The etiology of urolithiasis in Udaipur (western part of India). Pendse AK, et al. **Urol Res** 1986;14(2):59–62
Acute oral alkali citrate load in healthy humans—response of blood and urinary citrate, mineral metabolism, and factors related to stone formation. Schwille PO, et al.
Urol Res 1985;13(4):161–8
Measurement of the risk of calcium oxalate crystallization in urine. Tiselius HG. **Urol Res** 1985;13(6):297–300
Ileal conduit calculi from stapler anastomosis: a long-term complication? Brenner M, et al. **Urology** 1985 Dec; 26(6):537–40
Frequency of cystinuria among stone-forming patients in region of Brazil. Giugliani R, et al. **Urology** 1986 Jan; 27(1):38–40
[Oxalate urolithiasis following intestinal resection and dysfunction] Cheng JY, et al.
Chung Hua Wai Ko Tsa Chih 1985 Aug;23(8):505–6, 512 (Eng. Abstr.) (Chi)
[Juvenile urolithiasis (the importance of urine collection in its pathogenesis)] Vendl L. **Cesk Pediatr** 1986 Apr; 41(4):218–21 (Eng. Abstr.) (Cze)
[A study on the cause of urolithiasis of the upper urinary tract—clinical study of risk factors in the formation of stones in the upper urinary tract] Nonomura M, et al.
Hinyokika Kiyo 1986 Mar;32(3):311–25 (Eng. Abstr.) (Jpn)
[Study on the causative factor producing urinary calcium stones—urinary excretion of gamma-carboxyglutamic acid under various conditions] Nakamura S, et al.
Nippon Hinyokika Gakkai Zasshi 1985 Dec; 76(12):1896–900 (Eng. Abstr.) (Jpn)
[Two cases of urolithiasis associated with acromegaly] Yamaguchi S, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Jul;76(7):1066–70 (Eng. Abstr.) (Jpn)
[Urinary calculi associated with total proctocolectomy] Iwama T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jan;83(1):66–71 (Eng. Abstr.) (Jpn)
[Mycoplasma] Nakamura M. **Rinsho Byori** 1985 Aug; 33(8):898–904 (Jpn)
[Various aspects of the etiology and pathogenesis of urinary calculi in children] Stechly HJ. **Pediatr Pol** 1985 Oct; 60(10):724–9 (Pol)
[Genesis of urinary calculi] Arrabal M, et al.
Arch Esp Urol 1986 Apr;39(3):195–9 (Eng. Abstr.) (Spa)
[New etiologic aspects in septic urolithiasis] Soriano F.
Rev Clin Esp 1986 May;178(9):447–50 (Spa)

FAMILIAL & GENETIC

Heterozygous cystinuria and urinary lithiasis. Giugliani R, et al. **Am J Med Genet** 1985 Dec;22(4):703–15
[Three families with 2,8-dihydroxyadenine urolithiasis having different genetic abnormalities] Tatara K, et al.
Nippon Hinyokika Gakkai Zasshi 1986 Mar;77(3):517–22 (Eng. Abstr.) (Jpn)
[HLA antigens in patients with various forms of urolithiasis] Tiktinskii OL, et al. **Urol Nefrol (Mosk)** 1986 Mar–Apr; (2):29–32 (Eng. Abstr.) (Rus)

HISTORY

Earlier therapies for urinary stones [letter] Rosner F.
JAMA 1986 Sep 12;256(10):1294–5

METABOLISM

Methods of urinary calculus analysis: a critical review. Daudon M, et al. **Adv Nephrol** 1986;15:219–44 (22 ref.)
Analysis of urinary calculi using photon induced X-ray fluorescence (XRF). Cesareo R, et al. **Br J Urol** 1986 Jun; 58(3):253–5
A possible etiological role for ascorbate in calculi formation. Chalmers AH, et al. **Clin Chem** 1986 Feb;32(2):333–6
Urinary adenosine cyclic 3',5'-monophosphate in idiopathic calcium stone-formers [letter] Baghurst PA. **Clin Sci** 1985 Jul;69(1):109–10
In vitro study of local solubility of uric acid stones with lithium carbonate. Jávor A, et al. **Int Urol Nephrol** 1985; 17(4):315–8
Composition and texture of calcium oxalate calculi in children. Schubert G, et al. **Int Urol Nephrol** 1986; 18(2):141–5
Crystal-matrix interrelations in brushite and uric acid calculi. Iwata H, et al. **J Urol** 1986 Feb;135(2):397–401
Identification of urinary stone and sediment crystals by scanning electron microscopy and x-ray microanalysis. Khan SR, et al. **J Urol** 1986 Apr;135(4):818–25
Glycosaminoglycans content of stone matrix. Roberts SD, et al. **J Urol** 1986 May;135(5):1078–83
Chronological variation in the chemical composition of upper urinary tract calculi. Takasaki E. **J Urol** 1986 Jul;136(1):5–9
X-ray microanalysis of urinary stones, a comparison with

other methods. Kim KM, et al. **Scan Electron Microsc** 1985; (Pt 3):1239–46 (42 ref.)
The application of physico-chemical procedures in the analysis of urinary calculi. Rodgers AL.
Scan Electron Microsc 1985;(Pt 2):745–58
Improvements in the routine investigation of urinary calculi. Uldall A. **Scand J Clin Lab Invest [Suppl]** 1984;172:147–56
The severity of infection stones compared to other stones in the upper urinary tract. Grenabo L, et al.
Scand J Urol Nephrol 1985;19(4):285–9
Silica stones in humans. Haddad FS, et al. **Urol Int** 1986; 41(1):70–6
Calcium oxalate trihydrate in urinary calculi. Heijnen W, et al. **Urol Res** 1985;13(6):281–3
Sodium orthophosphate hydrate (NA3PO4.12H2O): a new type of human urinary stone. Kim KM, et al. **Urol Res** 1985;13(6):301–4
Urolithiasis research—where is it going? [editorial] Schwille PO. **Urol Res** 1985;13(4):157–9
[Physicochemical analysis of the composition and structure of uroliths] Zhang YS. **Chung Hua I Hsueh Tsa Chih** 1985 Sep;65(9):546–8 **(Chi)**
[Influence of oral sucrose on renal excretion of calcium, oxalate, urate and hydrogen ions] Ren ZY, et al.
Chung Hua Wai Ko Tsa Chih 1985 Dec;23(12):761–3, 783–4 (Eng. Abstr.) **(Chi)**
[Urinary crystalluria. A debatable problem] Caudarella R, et al. **Acta Urol Belg** 1986;54(1):49–56 (Eng. Abstr.) **(Fre)**
[Morphological typing of calcium oxalate calculi and etiopathogenic findings] Daudon M, et al.
Ann Urol (Paris) 1985;19(5):299–308 (Eng. Abstr.) **(Fre)**
[Metabolic evaluation of urinary calculi. What is a reasonable limitation? 2: Practical approach] Jourdan JL, et al.
J Urol (Paris) 1985;91(3):175–9 (Eng. Abstr.) **(Fre)**
[Metabolic evaluation in urinary lithiasis. What is a reasonable level? 1: Theoretical approach] Jourdan JL, et al.
J Urol (Paris) 1985;91(1):13–22 (98 ref.) (Eng. Abstr.) **(Fre)**
[Ensuring quality in the analyses of urinary calculi by a comparison of methods. 3d International Ring Trial] Rebentisch G, et al. **Z Urol Nephrol** 1986 Jan;79(1):5–12 (Eng. Abstr.) **(Ger)**
[A clinical study of urolithiasis in Shizuoka City Hospital—stone analysis and 24-hour urine calcium and uric acid levels] Kanamaru H, et al. **Hinyokika Kiyo** 1985 Jun;31(6):915–20 (Eng. Abstr.) **(Jpn)**
[Studies on urolithiasis. The histochemistry of the kidney tissues and stones from patients with urolithiasis] Tsai S. **Hinyokika Kiyo** 1986 Jan;32(1):27–42 (Eng. Abstr.) **(Jpn)**
[A study of bone mineral content in patients with calcium urolithiasis] Fujisawa M, et al.
Nippon Hinyokika Gakkai Zasshi 1986 May;77(5):766–71 (Eng. Abstr.) **(Jpn)**
[Computer tomography and urinary calculi. 2-determination of the composition of calculi by the CT value] Kageyama S, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Feb; 77(2):289–94 (Eng. Abstr.) **(Jpn)**
[A clinical survey of urinary calculi analyzed by infrared spectroscopy] Orito M, et al.
Nippon Hinyokika Gakkai Zasshi 1986 Apr;77(4):581–7 (Eng. Abstr.) **(Jpn)**
[Urates in genito-urinary lithiasis] Aguilar J, et al.
Arch Esp Urol 1985 Sep–Oct;38(5):473–8 (Eng. Abstr.) **(Spa)**

OCCURRENCE

Renal stones in children in Pakistan. Rizvi SA, et al.
Br J Urol 1985 Dec;57(6):618–21
Epidemiology of stone disease. Scott R. **Br J Urol** 1985 Oct; 57(5):491–7 (56 ref.)
Urolithiasis in Kuwait. Khalifa NS, et al.
Int Urol Nephrol 1986;18(2):147–51
Urinary calculous disease in Southeast Asian immigrants. Ireton RC, et al. **Urology** 1986 Sep;28(3):193–6

PATHOLOGY

Varied types of urinary calculi in a patient with cystinosis without renal tubular acidosis. Black J, et al. **Pediatrics** 1986 Aug;78(2):295–7
[Ultrastructural study of urinary lithiasis. Oxalo-calcic lithiasis. I: Helicoid fibers] Alonso JJ, et al.
Arch Esp Urol 1985 Sep–Oct;38(5):439–43 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Effects of pyruvate salts, pyruvic acid, and bicarbonate salts in preventing experimental oxalate urolithiasis in rats. Ogawa Y, et al. **J Urol** 1986 May;135(5):1057–60
Biological control to diminish dangers of urolithiasis. Sarig S, et al. **Urol Int** 1985;40(5):274–6
[Inhibition of lithogenesis by ethylphosphocitrate] Marçot B, et al. **Farmaco [Prat]** 1986 Mar;41(3):83–8 (Eng. Abstr.) **(Fre)**
[Secondary prevention of idiopathic calcium urolithiasis] Boni R, et al. **Clin Ter** 1985 Aug 31;114(4):279–87 (Eng. Abstr.) **(Ita)**
[A study of allopurinol in the prevention of recurrent calcium oxalate stones] Sonoda T, et al. **Hinyokika Kiyo** 1985 Nov; 31(11):2071–9 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

A secondary vaginal stone. A case report. van Oorschot FH, et al. **Diagn Imag Clin Med** 1986;55(3):157–60
Milk-of-calcium hydronephrosis in patients with paraplegia and urinary-enteric diversion: CT demonstration. Sussman SK, et al. **J Comput Assist Tomogr** 1986 Mar–Apr; 10(2):257–9

SURGERY

[Urological complications after renal transplantation] Ben A, et al. **Hinyokika Kiyo** 1985 Oct;31(10):1683–8 (Eng. Abstr.) **(Jpn)**
[Remote results of the surgical treatment of urinary calculi in children] Solov'ev AE. **Vestn Khir** 1986 May; 136(5):101–3 (Eng. Abstr.) **(Rus)**

THERAPY

Lithotripsy. Webb DR. **Aust NZ J Surg** 1986 Apr;56(4):293–5
Laserinduced shock-wave lithotripsy (LISL).
Schmidt-Kloiber H, et al. **Biomed Tech (Berlin)** 1985 Jul–Aug;30(7–8):173–81
A strategy for management of upper tract calculus disease. Payne SR, et al. **Br J Urol** 1985 Dec;57(6):610–2
Extracorporeal shock wave lithotripsy. Riehle RA Jr.
Bull NY Acad Med 1986 May;62(4):291–314
Results of treatment with Bacillus subtilis spores (Enterogermina) after antibiotic therapy in 95 patients with infection calculosis. Coppi F, et al. **Chemioterapia** 1985 Dec;4(6):467–70
Re: Dissolution of uric acid calculi with systemic alkalization [letter] Amin HA. **J Urol** 1985 Nov;134(5):976
Report of the United States cooperative study of extracorporeal shock wave lithotripsy. Drach GW, et al. **J Urol** 1986 Jun;135(6):1127–33
Some thoughts on the newer methods of management of urinary tract calculi [editorial] Murphy JJ. **J Urol** 1986 Jun;135(6):1230
Extracorporeal shock-wave lithotripsy for upper urinary tract calculi. One year's experience at a single center. Riehle RA Jr, et al. **JAMA** 1986 Apr 18;255(15):2043–8
The management of urinary calculi in a stone centre. Webb DR, et al. **Med J Aust** 1985 Dec 9–23;143(12–13):539–40
Extracorporeal shock wave lithotripsy. Noninvasive treatment for urinary stones. Kramolowsky EV, et al.
Postgrad Med 1986 Jun;79(8):69–74
Extracorporeal shockwave lithotripsy: role of the radiologist [letter] Bush WH, et al. **Radiology** 1986 Mar;158(3):855–6
Endourology in perspective. Brannen GE. **Urology** 1986 Sep; 28(3):161–72 (63 ref.)
[The role of the family physician and radiologist in the treatment of urinary tract calculi] de Voogt HJ.
Ned Tijdschr Geneeskd 1985 Jul 13;129(28):1318–9 **(Dut)**
[Extracorporeal shockwave destruction of urinary calculi after ultrasonic localization] Martin X, et al.
J Urol (Paris) 1985;91(5):247–50 (Eng. Abstr.) **(Fre)**
[Use of high frequency jet ventilation in extracorporeal shockwave lithotripsy] Schulte am Esch J, et al.
Anaesthesist 1985 Jun;34(6):294–8 (Eng. Abstr.) **(Ger)**
[Drainage procedures and stone extraction in radiology. Therapeutic possibilities in the biliary and urinary tracts] Kauffmann GW, et al. **Radiologe** 1985 Aug;25(8):371–80 (Eng. Abstr.) **(Ger)**
[Current aspects of surgery for urolithiasis] Hauri D.
Schweiz Rundsch Med Prax 1986 Mar 25;75(13):366–70 (Eng. Abstr.) **(Ger)**
[Experience with extracorporeal shockwave lithotripsy based on 5 years' clinical use] Chaussy C, et al. **Urologe [A]** 1985 Nov;24(6):305–9 (Eng. Abstr.) **(Ger)**
[Upper urinary tract calculi—new methods of treatment (editorial)] Jonas P, et al. **Harefuah** 1985 Dec 15; 109(12):412–3 **(Heb)**
[Changing modality of the treatment in upper urinary tract calculi. Percutaneous nephrolithotripsy and transurethro-ureteral lithotripsy] Kawamura J, et al.
Hinyokika Kiyo 1985 Dec;31(12):2183–92 (Eng. Abstr.) **(Jpn)**
[Clinical application of extracorporeal shock wave lithotripter] Nüjima T, et al.
Nippon Hinyokika Gakkai Zasshi 1985 Oct;76(10):1460–7 (Eng. Abstr.) **(Jpn)**
[Studies on the application of microexplosion to medicine and biology. XI. Development of model calculi for microexplosion lithotripsy] Uchida M, et al.
Nippon Hinyokika Gakkai Zasshi 1985 Sep;76(9):1309–13 (Eng. Abstr.) **(Jpn)**
[Clinical studies on childhood urolithiasis] Yamaguchi K, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 May;77(5):737–41 (Eng. Abstr.) **(Jpn)**
[Percutaneous extraction of biliary and urinary calculi] Ashida H, et al. **Rinsho Hoshasen** 1985 Dec;30(13):1557–63 (Eng. Abstr.) **(Jpn)**
[Non-invasive treatment of urinary lithiasis. I. Systemic chemolysis] Gastón de Iriarte E, et al. **Actas Urol Esp** 1985 Nov–Dec;9(6):455–64 (36 ref.) **(Spa)**
[Non-invasive treatment of urinary lithiasis. II. Local chemolysis] Gastón de Iriarte E, et al. **Actas Urol Esp** 1985 Nov–Dec;9(6):465–8 (33 ref.) **(Spa)**
[Extracorporeal shock wave lithotripsy—a new method in urinary tract calculi] Tiselius HG. **Lakartidningen** 1985 Nov 6;82(45):3902–3 **(Swe)**

URINE

Changes in urinary composition of calcium oxalate stone formers. Rahman B, et al. **Biomed Pharmacother** 1986; 40(3):108–10
Comparison of urinary oxalate excretion in urolithiasis patients with and without hypercalciuria. Koide T, et al.
Br J Urol 1985 Oct;57(5):505–9
Urinary citrate excretion in normal persons and patients with idiopathic calcium urolithiasis. Hosking DH, et al.
J Lab Clin Med 1985 Dec;106(6):682–9
Modifiers of calcium oxalate crystallization found in urine. III. Studies on the role of Tamm-Horsfall mucoprotein and of ionic strength. Scurr DS, et al. **J Urol** 1986 Aug; 136(2):505–7
Evaluation of the relative inhibitory potential of fractionated urinary macromolecules. Azoury R, et al. **Urol Res** 1985; 13(4):199–205
The oxalate-tolerance-value: a whole urine method to discriminate between calcium oxalate-stoneformers and others. Briellmann T, et al. **Urol Res** 1985;13(6):291–5
An evaluation of test sticks used for the measurement of the specific gravity of urine from patients with stone disease. Hesse A, et al. **Urol Res** 1985;13(4):185–8
Urine saturation with calcium salts in normal subjects and idiopathic calcium stone-formers estimated by an improved computer model system. Marangella M, et al. **Urol Res** 1985;13(4):189–93
A simple ion—chromatographic method for determination of urinary oxalate. Toyoda M. **Urol Res** 1985;13(4):179–83
[Hyperuricuria after fasting as a risk factor for the development of uric acid urolithiasis] Křížek V, et al.
Cas Lek Cesk 1986 Apr 18;125(16):478–80 (Eng. Abstr.) **(Cze)**
[Indication of the urinary citrate levels in idiopathic renal calculosis] Jaeger P, et al. **Schweiz Med Wochenschr** 1986 Mar 22;116(12):371–3 (Eng. Abstr.) **(Fre)**
[Magnesium excretion in recurrent calcium urolithiasis] Pfab R, et al. **Urologe [A]** 1985 Sep;24(5):296–8 (Eng. Abstr.) **(Ger)**
[Status and perspectives of technical equipment in centers for the analysis of urinary calculi in East Germany] Pirlich W, et al. **Z Urol Nephrol** 1986 Mar;79(3):175–6 **(Ger)**
[Oxalate loading test for outpatients with calcium oxalate stones] Kato M. **Hinyokika Kiyo** 1986 Mar;32(3):351–60 (Eng. Abstr.) **(Jpn)**
[Study of the influence of conditions during urine collection on measurement of the major constituents of urinary calculi] Miyazaki Y, et al.
Nippon Hinyokika Gakkai Zasshi 1985 Jun;76(6):881–8 (Eng. Abstr.) **(Jpn)**
[Studies on urinary calcium ion activity in urolithiasis. 1. Determination of calcium ion activity with an ion-selective electrode] Morimoto S.
Nippon Hinyokika Gakkai Zasshi 1985 Jul;76(7):989–97 (Eng. Abstr.) **(Jpn)**
[Studies on urinary calcium ion activity in urolithiasis, 2. The relationship to calcium oxalate crystal formation and the effects of magnesium and citrate] Morimoto S.
Nippon Hinyokika Gakkai Zasshi 1985 Jul;76(7):998–1005 (Eng. Abstr.) **(Jpn)**
[Studies on citrate metabolism in urolithiasis. 1. An enzymatic determination of urinary citrate with citrate lyase] Yasukawa S, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Dec;76(12):1848–54 (Eng. Abstr.) **(Jpn)**
[Relation between the concentration of different cations in the urine and lithogenesis] Arrabal M, et al.
Arch Esp Urol 1985 Nov–Dec;38(6):521–8 (Eng. Abstr.) **(Spa)**

VETERINARY

Induction of urolithiasis in single comb white Leghorn pullets: effect on glomerular number. Niznik RA, et al.
Poult Sci 1985 Aug;64(8):1430–7
Characterization and composition of uroliths from domestic fowl. Oldroyd NO, et al. **Poult Sci** 1986 Jun;65(6):1090–4
Urolithiasis in pullets and laying hens: role of dietary calcium and phosphorus. Wideman RF Jr, et al. **Poult Sci** 1985 Dec;64(12):2300–7
Crystalline composition of equine urinary calculi. Mair TS, et al. **Res Vet Sci** 1986 May;40(3):288–91
Ultrastructure and chemical composition of calcite urinary calculi in Chinese swamp buffalo. Wang XL, et al.
Res Vet Sci 1985 Nov;39(3):373–7
Canine cystine urolithiasis. Bovée KC.
Vet Clin North Am [Small Anim Pract] 1986 Mar; 16(2):211–5
Surgical removal of canine uroliths. Caywood DD, et al.
Vet Clin North Am [Small Anim Pract] 1986 Mar; 16(2):389–407
Radiographic and ultrasonographic features of uroliths and other urinary tract filling defects. Johnston GR, et al.
Vet Clin North Am [Small Anim Pract] 1986 Mar; 16(2):261–92 (39 ref.)
Canine primary hyperparathyroidism and its association with urolithiasis. Klausner JS, et al.
Vet Clin North Am [Small Anim Pract] 1986 Mar; 16(2):227–39 (35 ref.)
Canine calcium phosphate uroliths. Klausner JS, et al.
Vet Clin North Am [Small Anim Pract] 1986 Jan; 16(1):171–84 (46 ref.)
Etiopathogenesis of uric acid and ammonium urate uroliths

in non-Dalmatian dogs. Kruger JM, et al. **Vet Clin North Am [Small Anim Pract]** 1986 Jan; 16(1):87–126 (91 ref.)
Canine uroliths. Analysis of data derived from 813 specimens. Ling GV, et al. **Vet Clin North Am [Small Anim Pract]** 1986 Mar;16(2):303–16
Etiopathogenesis of uncommon canine uroliths. Xanthine, carbonate, drugs, and drug metabolites. Osborne CA, et al. **Vet Clin North Am [Small Anim Pract]** 1986 Mar; 16(2):217–25 (46 ref.)
Urolithiasis. Terms and concepts. Osborne CA, et al. **Vet Clin North Am [Small Anim Pract]** 1986 Jan;16(1):3–17
Comparison of qualitative and quantitative analyses of canine uroliths. Osborne CA, et al. **Vet Clin North Am [Small Anim Pract]** 1986 Mar; 16(2):317–23
Dissolution of canine ammonium urate uroliths. Osborne CA, et al. **Vet Clin North Am [Small Anim Pract]** 1986 Mar; 16(2):375–88
Crystalluria. Observations, interpretations, and misinterpretations. Osborne CA, et al. **Vet Clin North Am [Small Anim Pract]** 1986 Jan;16(1):45–65
Prevalence of canine uroliths. Minnesota Urolith Center. Osborne CA, et al. **Vet Clin North Am [Small Anim Pract]** 1986 Jan;16(1):27–44
Etiopathogenesis, clinical manifestations, and management of canine silica urolithiasis. Osborne CA, et al. **Vet Clin North Am [Small Anim Pract]** 1986 Jan; 16(1):185–207 (60 ref.)
Medical dissolution of canine struvite uroliths. Osborne CA, et al. **Vet Clin North Am [Small Anim Pract]** 1986 Mar; 16(2):349–74
Biologic behavior of canine uroliths. Osborne CA. **Vet Clin North Am [Small Anim Pract]** 1986 Mar; 16(2):251–60
Etiopathogenesis, clinical manifestations, and management of canine calcium oxalate urolithiasis. Osborne CA, et al. **Vet Clin North Am [Small Anim Pract]** 1986 Jan; 16(1):133–70 (136 ref.)
Etiopathogenesis of canine struvite urolithiasis. Osborne CA, et al. **Vet Clin North Am [Small Anim Pract]** 1986 Jan; 16(1):67–86 (105 ref.)
Nonsurgical management of canine obstructive urolithopathy. Osborne CA, et al. **Vet Clin North Am [Small Anim Pract]** 1986 Mar; 16(2):333–47
Canine distal renal tubular acidosis and urolithiasis. Polzin DJ, et al. **Vet Clin North Am [Small Anim Pract]** 1986 Mar; 16(2):241–50
Methods of analysis of canine uroliths. Ruby AL, et al. **Vet Clin North Am [Small Anim Pract]** 1986 Mar; 16(2):293–301
Bacterial culture of uroliths. Techniques and interpretation of results. Ruby AL, et al. **Vet Clin North Am [Small Anim Pract]** 1986 Mar; 16(2):325–31
Genetic predisposition to purine uroliths in Dalmatian dogs. Schaible RH. **Vet Clin North Am [Small Anim Pract]** 1986 Jan;16(1):127–31
Initiation and growth of uroliths. Senior DF, et al. **Vet Clin North Am [Small Anim Pract]** 1986 Jan;16(1):19–26 (34 ref.)
Obstructive urethral calculi in the male camel: report of two cases. Kock RA. **Vet Rec** 1985 Nov 9;117(19):494–6
Massive obstructive urolithiasis in a bull used for artificial insemination. Ogaa JS, et al. **Vet Rec** 1985 Dec 21-28; 117(25–26):664–6
[Nutritional aspects in relation to the feline urological syndrome (FUS)] Burger IH. **Tijdschr Diergeneeskd** 1986 May 15;111(10):476–9 (Eng. Abstr.) (Dut)
[Magnesium content of feed and the formation of urinary calculi in fattening calves] Kallfelz FA, et al. **DTW** 1985 Oct 8;92(10):407–11 (Eng. Abstr.) (Ger)
[Analysis of urinary calculi] Kraft W. **Tierarztl Prax** 1985; 13(3):395–401 (Eng. Abstr.) (Ger)

URINARY CATHETERIZATION

Failure of the urinalysis and quantitative urine culture in diagnosing symptomatic urinary tract infections in patients with long-term urinary catheters. Steward DK, et al. **Am J Infect Control** 1985 Aug;13(4):154–60
How do you teach female self-catheterization? Birdsall C. **Am J Nurs** 1985 Nov;85(11):1226
Is bladder catheterization really necessary before laparoscopy? Akhtar MS, et al. **Br J Obstet Gynaecol** 1985 Nov;92(11):1176–8
Bladder drainage for caesarean section under epidural analgesia. Kerr-Wilson RH, et al. **Br J Obstet Gynaecol** 1986 Jan;93(1):28–30
The effects of double J stenting on unobstructed ureters. An experimental and clinical study. Ramsay JW, et al. **Br J Urol** 1985 Dec;57(6):630–4
Toxicity testing of urinary catheters. Talja M, et al. **Br J Urol** 1985 Oct;57(5):579–84
The Tatro case: who gets what and why. Vitello SJ. **Except Child** 1986 Jan;52(4):353–6
Efficacy of an antibiotic coated indwelling catheter: a preliminary report. Sakamoto I, et al. **J Biomed Mater Res** 1985 Nov-Dec;19(9):1031–41
Improving self-catheterization of a disabled student. Trpisovsky S, et al. **J Sch Health** 1986 Feb;56(2):78–9
Successful renal transplantation in a patient with a neurogenic bladder managed by clean intermittent catheterization. Kogan SJ, et al. **J Urol** 1986 Mar;135(3):563–5
Intestinocystoplasty in combination with clean intermittent catheterization in the management of vesical dysfunction. Mitchell ME, et al. **J Urol** 1986 Jul;136(1 Pt 2):288–91
Hypospadias repair without a bladder drainage catheter. Mitchell ME, et al. **J Urol** 1986 Feb;135(2):321–3
Micturition in comatose patients. Wyndaele JJ. **J Urol** 1986 Jun;135(6):1209–11
Self catheterization: urinary complications and the social resettlement of spinal cord injured patients. Berard E, et al. **Paraplegia** 1985 Dec;23(6):386
Impact of an intermittent catheterization program on children with myelomeningocele. Uehling DT, et al. **Pediatrics** 1985 Dec;76(6):892–5
Temporary suprapubic catheter drainage after colorectal surgery. van Rensburg LC. **S Afr J Surg** 1986 Mar; 24(1):27–8
Is there a need for routine indwelling catheter after caesarean section. Arulkumaran S, et al. **Singapore Med J** 1986 Feb; 27(1):54–7
[The collecting dripping urine in incontinent elderly] Cools HJ. **Ned Tijdschr Geneeskd** 1986 Jan 18;130(3):97–100 (Dut)
[Chronic urinary tract infection of the patient with neurogenic bladder—with special reference to bacteriological study in relation to the kinds of urological management] Kurokawa J, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 May;76(5):678–86 (Eng. Abstr.) (Jpn)
[Prevention of renal injury by means of intermittent catheterization in children with neurogenic bladder secondary to spina bifida] Jiménez J, et al. **An Esp Pediatr** 1985 Oct 31;23(5):347–53 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

Catheter-associated bacteriuria. A controlled trial with the Bardex Urinary Drainage System. Klarskov P, et al. **Acta Obstet Gynecol Scand** 1986;65(4):295–9
Urinary tract infection after cystometry. Sabanathan K, et al. **Age Ageing** 1985 Sep;14(5):291–5
Incidence and magnitude of catheter-induced hematuria. Sklar DP, et al. **Am J Emerg Med** 1986 Jan;4(1):14–6
Upper and lower urinary tract infections: amikacin's role in managing surgical complications. Childs SJ. **Am J Med** 1986 Jun 30;80(6B):210–5
Distress caused by urethral catheters [letter] Coates MB. **Anaesthesia** 1986 Jun;41(6):670
The composition of catheter encrustations, including the effects of allopurinol treatment. Hedelin H, et al. **Br J Urol** 1984 Jun;56(3):250–4
Bacterial study of clean intermittent catheterisation in children. Taylor CE, et al. **Br J Urol** 1986 Feb;58(1):64–9
Entangled urinary catheters—prevention of a "knotty" problem. Thornhill JA. **Br J Urol** 1985 Oct;57(5):594
Percutaneous deflation of a retained Foley catheter balloon with ultrasound guidance. Lewandowski B, et al. **Can Med Assoc J** 1986 Apr 15;134(8):915–6
Bacteriuria in the catheterized surgical intensive care patient. Martinez OV, et al. **Crit Care Med** 1986 Mar;14(3):188–91
The epidemiology and risk factors for nosocomial catheter-associated bacteriuria caused by coagulase-negative staphylococci. Larsen RA, et al. **Infect Control** 1986 Apr;7(4):212–5
Massive incrustation on silicone ureteral stent: a severe complication. Cranidis A, et al. **Int Urol Nephrol** 1985; 17(4):219–22
Penile laceration from a Foley catheter. Barnes-Snow E, et al. **J Am Geriatr Soc** 1985 Oct;33(10):712–4
A double-blind randomized comparison of the effect and tolerance of Varidase versus saline when instilled in the urinary bladder in patients with catheter problems. Andersson H. **J Int Med Res** 1986;14(2):91–4
Retained straight catheter: complication of clean intermittent catheterization. Klein EA, et al. **J Urol** 1986 Apr; 135(4):780–1
The assessment of urinary catheter toxicity using cell cultures: validation by comparison with an animal model. Nacey JN, et al. **J Urol** 1986 Sep;136(3):706–9
Urethral catheter strictures [letter] Burkitt DS, et al. **Lancet** 1986 Mar 22;1(8482):688
Bacterial adherence to bladder uroepithelial cells in catheter-associated urinary tract infection. Daifuku R, et al. **N Engl J Med** 1986 May 8;314(19):1208–13
Indwelling ureteral stents: percutaneous management of complications. LeRoy AJ, et al. **Radiology** 1986 Jan; 158(1):219–22
Catheter-induced hyperreflexia in spinal cord injury patients: diagnosis by sonographic voiding cystourethrography. Perkash I, et al. **Radiology** 1986 May;159(2):453–5
Invasive candidal balanitis due to a condom catheter in a neutropenic patient. Morrissey R, et al. **South Med J** 1985 Oct;78(10):1247–9
Catheterization postoptical urethrotomy [letter] Kesner KM. **Urology** 1986 Jun;27(6):575
Complications from urinary condom catheters [letter] Melekos MD, et al. **Urology** 1986 Jan;27(1):88
Catheter-associated bacteriuria. An experimental study. Nickel JC, et al. **Urology** 1985 Oct;26(4):369–75
[Iatrogenic stricture of the urethra. A review of 67 cases] Boujnah H, et al. **Tunis Med** 1985 Dec;63(12):705–9 (Eng. Abstr.) (Ara)
[Urinary tract infections in children with an indwelling catheter] Posthumus PJ, et al. **Ned Tijdschr Geneeskd** 1986 May 24;130(21):964–7 (Eng. Abstr.) (Dut)
[Bladder catheterization in long-term surgical intensive care] Tauzin-Fin P, et al. **Agressologie** 1985 Nov;26(10):807–10 (Eng. Abstr.) (Fre)
[Iatrogenic stenosis of the urethra. Apropos of 67 cases] Boujnah H, et al. **J Urol (Paris)** 1985;91(3):163–6 (Eng. Abstr.) (Fre)
[An old complication returns. Anuria caused by ureteral catheterization] Merimsky E, et al. **J Urol (Paris)** 1985; 91(5):303–4 (Eng. Abstr.) (Fre)
[Possibility of oral vaccine therapy in elderly patients with recurrent infections of the urinary tract, wearers of permanent bladder catheters] Dacco L, et al. **G Clin Med** 1985 Jul-Aug;66(7–8):269–80 (Eng. Abstr.) (Ita)
[Efficacy of a latex Foley catheter with sustained release of chlorhexidine: 1st report: Clinical trials for the prevention of urinary tract infection] Nakano H, et al. **Hinyokika Kiyo** 1986 Apr;32(4):567–74 (Eng. Abstr.) (Jpn)
[Risk factors in hospital urinary infections. Prospective study] Monge V, et al. **Med Clin (Barc)** 1986 Jan 11;86(1):7–9 (Eng. Abstr.) (Spa)
[An extended urinary bladder is necessary when using the suprapubic bladder catheter] Lindell P. **Lakartidningen** 1986 Mar 26;83(13):1173 (Swe)

INSTRUMENTATION

A dilating introducer-sheath for the antegrade insertion of ureteral stents. Druy EM. **AJR** 1985 Dec;145(6):1274–6
The universal stent introducer: a simplified approach to antegrade ureteral stent insertion. Lee WJ, et al. **AJR** 1986 Oct;147(4):830–1
Condom leakage [letter] Kirkland LR. **Arch Phys Med Rehabil** 1986 Jan;67(1):64–5
Dermatitis from mercaptobenzothiazole in a Foley catheter. Ancona A, et al. **Contact Dermatitis** 1985 Nov;13(5):339–40
A urethral valve for bladder drill in patients with motor urge incontinence. Ahlbeck G, et al. **Gynecol Obstet Invest** 1986; 21(2):103–7
Fractured ureteral catheters in gynecologic oncology. Welch RA, et al. **Gynecol Oncol** 1985 Nov;22(3):356–62
Long-term catheter management: minimizing the problem of premature replacement due to balloon deflation. Barnes KE, et al. **J Adv Nurs** 1986 May;11(3):303–7
In vivo validation of a cell culture test for biocompatibility testing of urinary catheters. Graham DT, et al. **J Biomed Mater Res** 1984 Nov-Dec;18(9):1125–35
Hydrophilic graft copolymers: a new concept in urological surgery. Miller RA, et al. **J Med Eng Technol** 1985 Sep-Oct;9(5):205–8
Stone basket retrieval of foreign bodies from the maxillary sinus. White RD. **J Oral Maxillofac Surg** 1986 Mar; 44(3):247
Self-catheterization [letter] Heap GJ. **Med J Aust** 1986 Aug 4–18;145(3–4):180
Development of a latex foley catheter with sustained release of chlorhexidine. Mochizuki M, et al. **Trans Am Soc Artif Intern Organs** 1985;31:289–92
Use of loop double-lumen drainage system to prevent postoperative urinary diversion leaks. Fisher DT, et al. **Urology** 1986 Jun;27(6):553
Ureteral intussusception catheter for one-incision nephroureterectomy. Kaye KW. **Urology** 1986 Apr; 27(4):358–9
Coiled tip catheter for measuring intravesical pressure. Morita M, et al. **Urology** 1985 Nov;26(5):501
Transurethral double-lumen catheter with coiled tip for urodynamic examination. Nishizawa O, et al. **Urology** 1986 Jun;27(6):554
5-microtransducer catheter in evaluation of neurogenic bladder function. Rossier AB, et al. **Urology** 1986 Apr; 27(4):371–8
Technique for quick advancement of rubber nipple over ureteral catheter. Sawczuk I, et al. **Urology** 1986 Mar; 27(3):275
[The ureteral stent: is it useful?] Taki Y, et al. **Hinyokika Kiyo** 1985 Dec;31(12):2203–7 (Eng. Abstr.) (Jpn)
[Silicone pig-tail catheter for the upper urinary tract] Washida H, et al. **Hinyokika Kiyo** 1986 Mar;32(3):413–21 (Eng. Abstr.) (Jpn)
[Use of a self-contained stent in the treatment of patients with cavernous renal tuberculosis with ureteral lesion] Mochalova TP, et al. **Probl Tuberk** 1986;(6):43–6 (Eng. Abstr.) (Rus)
[Use of Dormia's catheter: review of 100 cases] Leunda Saizar J, et al. **Actas Urol Esp** 1986 Jul-Aug;10(4):231–8 (Eng. Abstr.) (Spa)

METHODS

Retrograde ureteral catheterization via the ileal conduit. Applbaum YN, et al. **AJR** 1986 Jan;146(1):61–3
Technique for rethreading loop drainage catheters. Burkhalter JL, et al. **AJR** 1985 Dec;145(6):1277–8
Simplified method of introducing double-J stent catheters using a coaxial sheath system. Mercado S, et al. **AJR** 1985

Dec;145(6):1271–3
Cost-effective application of the Centers for Disease Control Guideline for Prevention of Catheter-associated Urinary Tract Infections. Epstein SE. **Am J Infect Control** 1985 Dec;13(6):272–5
Steerable guide-wire for insertion of ureteric stent into tortuous ureter. Schmeller NT, et al. **Br J Urol** 1985 Oct; 57(5):595
Retrograde insertion of double pigtail stents: a more reliable technique. Walker WJ, et al. **Br J Urol** 1985 Dec; 57(6):793–4
Urologic procedures. Freeman S, et al. **Emerg Med Clin North Am** 1986 Aug;4(3):543–60 (36 ref.)
New techniques for stenting severely strictured or occluded ureters. Mygind T, et al. **Eur J Radiol** 1985 Nov;5(4):321–4
Retroperitoneal fibrosis: an alternative therapy. Dénes FT, et al. **Eur Urol** 1986;12(4):283–4
Functional recovery of the bladder in patients with spinal cord injury—prognosticating programs of an aseptic intermittent catheterization. Iwatsubo E, et al. **Hinyokika Kiyo** 1985 May;31(5):775–83
Nosocomial bacteriuria: estimating the potential for prevention by closed sterile urinary drainage. Burke JP, et al. **Infect Control** 1986 Feb;7(2 Suppl):96–9
Systemic and topical antimicrobial agents in the prevention of catheter-associated bacteriuria and its consequences. Simpson RA. **Infect Control** 1986 Feb;7(2 Suppl):100–3
Comparative urological outcome in women with spinal cord injury. McGuire EJ, et al. **J Urol** 1986 Apr;135(4):730–1
Percutaneous placement of soft, indwelling ureteral stent. Bettmann MA, et al. **Radiology** 1985 Dec;157(3):817–8
Complications of I251 implantation: inability to deflate Foley catheter. Grossman HB. **Urology** 1986 Jul;28(1):55
Suprapubic urinary diversion by percutaneous insertion of council tip catheter. Landrigan RR, et al. **Urology** 1986 Feb;27(2):168–9
Simple method to control bleeding and for urethral continuity in posterior urethral injuries. McWilliams WA, et al. **Urology** 1985 Oct;26(4):405–6
[Intermittent catheterization in the treatment of neurologic bladder in children] Wese FX, et al. **Acta Urol Belg** 1985; 53(3):602–8 (Eng. Abstr.) (Fre)
[Suprapubic catheter in complex vaginal operations] Bukovsky I, et al. **Harefuah** 1985 Sep;109(5–6):109–11 (Eng. Abstr.) (Heb)
[Combination of oxybutynin chloride (Ditropan) with intermittent catheterization in the treatment of neurogenic bladder in childhood: results on continence] De Castro R, et al. **Pediatr Med Chir** 1984 Nov–Dec;6(6):795–803 (Eng. Abstr.) (Ita)
[Conservative treatment of retroperitoneal fibrosis using internal drainage of the kidneys] Morozov AV, et al. **Urol Nefrol (Mosk)** 1985 Nov–Dec;(6):64–5 (Rus)

VETERINARY

Evaluation of a catheter biopsy technique as a diagnostic aid in lower urinary tract disease. Holt PE, et al. **Vet Rec** 1986 Jun 21;118(25):681–4

URINARY DIVERSION

Percutaneous nephrostomy: perpetuation of a myth [letter] Kunin M. **AJR** 1986 Apr;146(4):882
Shearing of percutaneous nephrostomy catheter during indwelling ureteral stent placement. Sussman SK, et al. **AJR** 1986 Oct;147(4):832–3
Urinary diversion for incontinence—a beneficial procedure? Malone PR, et al. **Ann R Coll Surg Engl** 1985 Nov; 67(6):349–52
Prophylaxis against radiation injury. The use of elemental diet prior to and during radiotherapy for invasive bladder cancer and in early postoperative feeding following radical cystectomy and ileal conduit. McArdle AH, et al. **Arch Surg** 1986 Aug;121(8):879–85
Biofeedback for the treatment of anal incontinence in a child with ureterosigmoidostomy. Duckro PN, et al. **Biofeedback Self Regul** 1985 Dec;10(4):325–33
The role of the ileal conduit in the development of upper tract dilatation. Neal DE, et al. **Br J Urol** 1985 Oct; 57(5):520–4
Histochemical changes after ureterosigmoidostomies and colonic diversion. Strachan JR, et al. **Br J Urol** 1985 Dec; 57(6):700–2
Uretero–ileo–ceco–sigmoidostomy: clinical analysis and experimental study. Zhan BY, et al. **Chin Med J [Engl]** 1985 Nov;98(11):793–8
99mTc-DTPA and 99mTc-DMSA renal gamma imaging in the surveillance of patients with conduit urinary diversion. Lindell O, et al. **Eur J Nucl Med** 1986;12(2):80–5
Mucosal morphology of ileal conduits with particular reference to urinary infections. Lindell O, et al. **Eur Urol** 1986;12(3):201–6
Milk-of-calcium hydronephrosis in patients with paraplegia and urinary-enteric diversion: CT demonstration. Sussman SK, et al. **J Comput Assist Tomogr** 1986 Mar–Apr; 10(2):257–9
Temporary cutaneous umbilical vesicostomy in premature infants with urethral obstruction. Adzick NS, et al. **J Pediatr Surg** 1986 Feb;21(2):171–2
The complications of urinary tract reconstruction. Burbige KA, et al. **J Urol** 1986 Jul;136(1 Pt 2):292–7
Urinary undiversion: indications, technique and results in 50 cases. Gonzalez R, et al. **J Urol** 1986 Jul;136(1):13–6
Metabolic changes associated with radical cystectomy. Hensle TW, et al. **J Urol** 1985 Nov;134(5):1032–6
Comparative study of Hodgson I and King's methods of 1-stage hypospadias repair. Kasraeian A, et al. **J Urol** 1985 Nov;134(5):918
Re: Bladder replacement in children and young adults [letter] Klauber GT. **J Urol** 1986 Aug;136(2):478–9
The antireflux ureteroileal reimplantation in children and adults. Lockhart JL, et al. **J Urol** 1986 Mar;135(3):576–9
Accurate determination of renal function in patients with intestinal urinary diversions. McDougal WS, et al. **J Urol** 1986 Jun;135(6):1175–8
Renal transplantation in end stage renal disease patients with existing urinary diversion. MacGregor P, et al. **J Urol** 1986 Apr;135(4):686–8
Successful hypospadias repair in infants using brief urinary diversion and watertight neourethral closure. Maizels M, et al. **J Urol** 1986 Apr;135(4):752–4
The microbial flora of the continent cecal urinary reservoir, its stoma and the peristomal skin. Månsson W, et al. **J Urol** 1986 Feb;135(2):247–50
Intestinocystoplasty in combination with clean intermittent catheterization in the management of vesical dysfunction. Mitchell ME, et al. **J Urol** 1986 Jul;136(1 Pt 2):288–91
Transpubic cystectomy and ileocecal bladder replacement after preoperative radiotherapy for bladder cancer. Steven K, et al. **J Urol** 1986 Mar;135(3):470–5
Percutaneous techniques for the management of urological renal transplant complications. Streem SB, et al. **J Urol** 1986 Mar;135(3):456–9
The Mainz pouch (mixed augmentation ileum and cecum) for bladder augmentation and continent diversion. Thüroff JW, et al. **J Urol** 1986 Jul;136(1):17–26
Continent catheterizable urinary diversion using the ileocecal segment with stapled intussusception of the ileocecal valve. Webster GD, et al. **J Urol** 1986 Mar;135(3):465–9
Urinary diversion for incontinence [editorial] **Lancet** 1986 Feb 15;1(8477):363–4
Renal obstruction in patients with ileal loops: US evaluation. Cronan JJ, et al. **Radiology** 1986 Mar;158(3):647–8
Water and electrolyte absorption in ileal segments surgically transposed to the urinary bladder in the cat. Akerlund S, et al. **Scand J Urol Nephrol** 1986;20(1):63–9
Pyelocutaneous ileal conduit for endoscopic control of recurrent renal pelvic tumour. A case report. Rannikko S, et al. **Scand J Urol Nephrol** 1986;20(2):151–2
Ureteral reflux and ileal conduit pressure following diversion with a reflux-preventing technique. Claesson K, et al. **Ups J Med Sci** 1985;90(2):119–25
The use of the large and small bowel in urologic surgery. **Urol Clin North Am** 1986 May;13(2):177–363
Carcinogenesis in ureterosigmoidostomy. Gittes RF. **Urol Clin North Am** 1986 May;13(2):201–5 (19 ref.)
Metabolic complications of urologic intestinal substitutes. Kosko JW, et al. **Urol Clin North Am** 1986 May; 13(2):193–200 (48 ref.)
Enterocystoplasty after cystoprostatectomy for bladder cancer. Time-saving technical modifications. De Sy WA, et al. **Urology** 1986 Aug;28(2):103–7
Use of loop double-lumen drainage system to prevent postoperative urinary diversion leaks. Fisher DT, et al. **Urology** 1986 Jun;27(6):553
Spontaneous vesicoileal fistula two years post ureteroileoneocystostomy undiversion. Klein FA, et al. **Urology** 1985 Oct;26(4):393–5
Experience with urinary undiversion in patients with neurogenic bladder. MacKinnon AE, et al. **Z Kinderchir** 1985 Dec;40 Suppl 1:44–5
[Colonic tumor following ureterosigmoidostomy] Marievoet C, et al. **Acta Urol Belg** 1985;53(3):520–8 (Eng. Abstr.) (Fre)
[Urinary diversion: importance of the surgical "rescue" in pelvic recurrences of cancer of the cervix uteri] Scarabelli C, et al. **Minerva Ginecol** 1985 Nov;37(11):699–702 (Eng. Abstr.) (Ita)
[Clinical studies of cis-diamminedichloroplatinum (CDDP) nephrotoxicity—influence of aging and urinary diversion] Suzuki K, et al. **Nippon Gan Chiryo Gakkai Shi** 1985 May 20;20(4):752–7 (Eng. Abstr.) (Jpn)
[Posterior urethral valve. Experience with 4 cases] Umeyama T, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Jul; 76(7):1071–7 (Eng. Abstr.) (Jpn)
[Surgical treatment of congenital ureteral stenosis in children with double upper urinary tract] Bairov GA, et al. **Vestn Khir** 1985 Oct;135(10):86–9 (Eng. Abstr.) (Rus)
[Urinary diversion in anuria of tumor origin] Mompo JA, et al. **Actas Urol Esp** 1985 Sep–Oct;9(5):409–14 (Eng. Abstr.) (Spa)
[Colonic conduit: our experience] Zungri E, et al. **Actas Urol Esp** 1986 Mar–Apr;10(2):103–6 (Eng. Abstr.) (Spa)
[Urinary diversion in patients with carcinoma of the cervix and ureteral obstruction: a call to attention] Torres Ramírez C, et al. **Arch Esp Urol** 1985 May–Jun;38(3):259–65 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

Retrograde ureteral catheterization via the ileal conduit. Applbaum YN, et al. **AJR** 1986 Jan;146(1):61–3
Urinary diversion and bowel cancer. Stewart M. **Ann R Coll Surg Engl** 1986 Mar;68(2):98–102
The fate of loop ureterostomy and severe contracted bladder. Kaneti J, et al. **Eur Urol** 1985;11(5):348–51
Small bowel complications after supravesical urinary diversion in pelvic exenteration. Lichtinger M, et al. **Gynecol Oncol** 1986 Jun;24(2):137–42
Abnormal patterns of colorectal mucin secretion after urinary diversion of different types: histochemical and lectin binding studies. Iannoni C, et al. **Hum Pathol** 1986 Aug; 17(8):834–40
Colonic polyps and ureterosigmoidostomy. Paterson IM, et al. **J R Coll Surg Edinb** 1985 Aug;30(4):264–5
Parastomal ileal conduit–enteric fistula. Hampel N, et al. **J Urol** 1985 Nov;134(5):956–7
Hypergastrinemia following antral gastrocystoplasty. Tiffany P, et al. **J Urol** 1986 Sep;136(3):692–5
Common iliac artery–ureteral fistula: case report and literature review. Ahlborn TN, et al. **J Vasc Surg** 1986 Jan;3(1):155–8
Adenocarcinoma in the defunctionalized bladder. Vesth N, et al. **Scand J Urol Nephrol** 1985;19(4):303–4
Ileal conduit calculi from stapler anastomosis: a long-term complication? Brenner M, et al. **Urology** 1985 Dec; 26(6):537–40
Incarcerated ileal loop and inguinal hernia. Green DF, et al. **Urology** 1986 Jun;27(6):546–7
Percutaneous intrapelvic pressure registration in patients with ureterointestinal urinary diversion. Hayashi T, et al. **Urology** 1986 Sep;28(3):176–8
Complications of radical cystectomy and correlation with nutritional assessment. Terry WJ, et al. **Urology** 1986 Mar; 27(3):229–32
Pregnancy following ureteroneocystostomy [letter] Whitesitt RC. **West J Med** 1986 Apr;144(4):475
[Entamoeba histolytica as the cause of urinary tract infection after cystectomy and internal urinary diversion with an ileocecal bladder] Gutschik E, et al. **Ugeskr Laeger** 1985 Nov 25;147(48):3907–8 (Eng. Abstr.) (Dan)
[Repeat operations in tuberculosis and post-tuberculosis stenosis of the urinary tract] Dovlatian AA. **Urol Nefrol (Mosk)** 1986 Mar–Apr;(2):23–8 (Eng. Abstr.) (Rus)
[Intestinal hemorrhage as a complication of ureterosigmoanastomosis] Shipilov VI, et al. **Urol Nefrol (Mosk)** 1985 Sep–Oct;(5):65 (Rus)

HISTORY

The use of bowel in urologic surgery. An historical perspective. Thorne ID, et al. **Urol Clin North Am** 1986 May;13(2):179–91

INSTRUMENTATION

The management of the Kock continent ileal reservoir urinary diversion with single pigtail self-retaining ileal conduit stents. Walther PJ. **J Urol** 1985 Dec;134(6):1104–6

METHODS

The continent urostomy. Brogna L, et al. **Am J Nurs** 1986 Feb;86(2):160–3
Urinary diversion with use of ileal and sigmoid conduits. Stanhope CR, et al. **Am J Obstet Gynecol** 1986 Aug; 155(2):288–92
Vesicorectostomy. Koskela E. **Br J Urol** 1986 Feb; 58(1):102–3
The effects of double J stenting on unobstructed ureters. An experimental and clinical study. Ramsay JW, et al. **Br J Urol** 1985 Dec;57(6):630–4
Ultrasound-guided percutaneous one-step nephrostomy. Schüller J, et al. **Br J Urol** 1984 Jun;56(3):341–3
Urinary tract undiversion. Sheehan SJ, et al. **Br J Urol** 1984 Jun;56(3):280–4
Retrograde insertion of double pigtail stents: a more reliable technique. Walker WJ, et al. **Br J Urol** 1985 Dec; 57(6):793–4
Review of bilateral uretero-sigmoidostomy as a preferred way of urinary diversion. Van Hoyweghen M. **East Afr Med J** 1984 Jul;61(7):561–4
Trigonal ureterocutaneostomy. Frang D, et al. **Int Urol Nephrol** 1985;17(2):127–31
Cutaneous ureterostomy with an introverted pediculate skin flap. Jilling A, et al. **Int Urol Nephrol** 1986;18(2):153–8
A neo-urethral enteroplication for urinary continence in a case of cloacal exstrophy. Lobe TE, et al. **J Pediatr Surg** 1985 Dec;20(6):616–8
Electrolyte and acid base imbalance in patients with rectosigmoid bladder. Caprilli R, et al. **J Urol** 1986 Jan; 135(1):148–50
Abdominal transposition of the female urethra. Das S, et al. **J Urol** 1986 Feb;135(2):373–5
Continent urinary diversion: variations on the Mitrofanoff principle. Duckett JW, et al. **J Urol** 1986 Jul;136(1):58–62
Pediatric applications of augmentation cystoplasty: the Johns Hopkins experience. Gearhart JP, et al. **J Urol** 1986 Aug; 136(2):430–2
To stent or not to stent [editorial] Gittes RF. **J Urol** 1985 Dec;134(6):1179
Augmentation and substitution enterocystoplasty. Goldwasser B, et al. **J Urol** 1986 Feb;135(2):215–24 (54 ref.)
Jejunal conduit urinary diversion. Klein EA, et al. **J Urol** 1986 Feb;135(2):244–6
Bladder reconstruction following cystectomy by

uretero-ileo-colourethrostomy. McDougal WS. **J Urol** 1986 Apr;135(4):698–701
Ileal conduit diversion from a bivalved kidney. Ogawa A, et al. **J Urol** 1985 Nov;134(5):953–5
Total bladder reconstruction after cystectomy. Perinetti EP. **J Urol** 1986 Jan;135(1):135–6
Stented versus nonstented ureteroileal anastomoses: is there a difference with regard to leak and stricture? Regan JB, et al. **J Urol** 1985 Dec;134(6):1101–3
Continent urinary diversion [editorial] Rowland RG. **J Urol** 1986 Jul;136(1):76
Further experience with ileocecal conduit urinary diversion. Sagalowsky AI. **J Urol** 1986 Jan;135(1):39–43
Ureterosigmoidostomy and bladder exstrophy: a long-term followup. Zabbo A, et al. **J Urol** 1986 Aug;136(2):396–8
Bladder replacement with use of a detubularized right colonic segment: preliminary report of a new technique. Goldwasser B, et al. **Mayo Clin Proc** 1986 Aug; 61(8):615–21
Urinary conduits in gynecologic oncology. Hancock KC, et al. **Obstet Gynecol** 1986 May;67(5):680–4
Use of absorbable staples for closure of proximal end of ileal loops. Wheeless CR Jr. **Obstet Gynecol** 1986 Feb; 67(2):280–3
Transvaginal closure of the bladder neck. Zimmern P, et al. **Semin Urol** 1986 Feb;4(1):30–2
Salvage cystectomy for bladder and gynaecologic cancer after irradiation failure. Norlén BJ, et al. **Ups J Med Sci** 1985;90(2):133–7
Stomal construction and reconstruction. Bloom DA, et al. **Urol Clin North Am** 1986 May;13(2):275–83 (65 ref.)
The Boyce–Vest operation for exstrophy of the bladder. 35 years later. Boyce WH, et al. **Urol Clin North Am** 1986 May;13(2):307–20
Use of the Mitrofanoff principle in urinary reconstruction. Duckett JW, et al. **Urol Clin North Am** 1986 May; 13(2):271–4
Ileal and jejunal conduit urinary diversion. Hampel N, et al. **Urol Clin North Am** 1986 May;13(2):207–24 (33 ref.)
Ileocecal segment for temporary and permanent urinary diversion. Libertino JA, et al. **Urol Clin North Am** 1986 May;13(2):241–50
Radical cystectomy with preservation of sexual and urinary function. Use of the ileocolonic pouch ("Le Bag").Light JK, et al. **Urol Clin North Am** 1986 May;13(2):261–9
Commentary and critique of Maurice Camey's enterocystoplasty. Lilien OM. **Urol Clin North Am** 1986 May;13(2):345–8
Use of bowel in undiversion. Mitchell ME. **Urol Clin North Am** 1986 May;13(2):349–59
Continent ileal urinary reservoir (Kock pouch). Montie JE, et al. **Urol Clin North Am** 1986 May;13(2):251–60
Sigmoid conduit urinary diversion. Richie JP. **Urol Clin North Am** 1986 May;13(2):225–31
Bladder substitution in children. Robertson CN, et al. **Urol Clin North Am** 1986 May;13(2):333–44 (38 ref.)
Transverse colon conduit diversion. Schmidt JD, et al. **Urol Clin North Am** 1986 May;13(2):233–9
Ureterosigmoidostomy. Spirnak JP, et al. **Urol Clin North Am** 1986 May;13(2):285–94
Right colocystoplasty for bladder replacement. Zinman L, et al. **Urol Clin North Am** 1986 May;13(2):321–31 (41 ref.)
A model for a bladder replacement plasty by an ileal reservoir—an experimental study in dogs. Studer UE, et al. **Urol Res** 1985;13(5):243–7
Technique and trial of continent ileocystostomy. Eshghi M, et al. **Urology** 1986 Feb;27(2):112–6
Suprapubic urinary diversion by percutaneous insertion of council tip catheter. Landrigan RR, et al. **Urology** 1986 Feb;27(2):168–9
Further experience with staged ureterocolocolostomy urinary diversion. Nieh PT, et al. **Urology** 1986 May; 27(5):397–402
[Study of a homogeneous series of 27 total cystectomies for cancer] Beurton D. **Ann Urol (Paris)** 1986;20(3):201–5 (Eng. Abstr.) (Fre)
[Complex urogenital fistula surgically treated in the 2 University Hospital Centers of Abidjan. Value of viscero- and parietoplasties. Apropos of 1018 cases] Le Guyader A, et al. **Chirurgie** 1985;111(6):467–79 (Eng. Abstr.) (Fre)
[Vesicostomy: a temporary urinary diversion in childhood] Arap S, et al. **J Urol (Paris)** 1985;91(7):429–33 (Eng. Abstr.) (Fre)
[Re-establishment of urinary continuity by uretero-ureterostomy in renal transplantation. Apropos of 135 cases] Guiter J, et al. **J Urol (Paris)** 1985;91(1):27–32 (Eng. Abstr.) (Fre)
[Cancer of the large intestine—a sequela of ureterosigmoidostomy] Schwab A, et al. **Chirurg** 1986 Jun; 57(6):394–6 (Eng. Abstr.) (Ger)
[Ureterotransversopyelostomy with unilateral nephrostomy] Marx FJ, et al. **Urologe [A]** 1985 Nov;24(6):334–9 (Eng. Abstr.) (Ger)
[Experiences using transureterureterostomy II (TUUS) as a possibility in supravesicle urinary diversion] Oehler D, et al. **Z Arztl Fortbild (Jena)** 1986;80(5):221–4 (Ger)
[Anastomosis of the total calyx system in solitary kidney with an ileal loop] Szőke B, et al. **Z Urol Nephrol** 1986 Apr; 79(4):219–23 (Eng. Abstr.) (Ger)
[Cutaneous urostomies: indications, technics, treatments] Mobilio G, et al. **Chir Ital** 1984 Oct;36(5):695–713 (Eng. Abstr.) (Ita)
[Urinary diversion with the Kock continent ileal reservoir: report of 13 cases] Okada Y, et al. **Hinyokika Kiyo** 1985 Dec;31(12):2193–201 (Eng. Abstr.) (Jpn)
[A case of urinary undiversion: preoperative bladder evaluation by cyclic bladder hydrodilation] Kato K, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Sep;76(9):1419–24 (Eng. Abstr.) (Jpn)
[Tubeless ureterostomy as a urinary diversion method] Kuroda S, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Feb;77(2):202–7 (Eng. Abstr.) (Jpn)
[The complication of ileal conduit. A review of 91 patients] Saiki T, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Jul; 76(7):1042–8 (Eng. Abstr.) (Jpn)
[Ureteral substitution for advanced retroperitoneal fibrosis: a case report] Tanabe N, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Feb;77(2):328–31 (Eng. Abstr.) (Jpn)
[Clinical evaluation of tubeless ureterocutaneostomy: results of tubeless ureterocutaneostomy in 62 cases and the comparison of long-term results in 9 cases to ileal conduit diversion in 24 cases] Uekado Y, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Feb;77(2):268–75 (Eng. Abstr.) (Jpn)
[Results of the surgical treatment of vesico-ureteral reflux in children with double ureters] Fryczkowski M, et al. **Wiad Lek** 1985 Dec 15;38(24):1700–4 (Eng. Abstr.) (Pol)
[New methods of the surgical treatment of the sequelae of total ureter duplex in children] Witeska A. **Wiad Lek** 1985 Sep 1;38(17):1208–12 (Pol)
[Surgical treatment of vesico-ureteral reflux in children] Rumiantseva GN, et al. **Urol Nefrol (Mosk)** 1986 Mar–Apr; (2):7–10 (Eng. Abstr.) (Rus)
[Results of diverting the urine into the intestines in bladder exstrophy in children] Bairov GA, et al. **Vestn Khir** 1986 Feb;136(2):86–9 (Eng. Abstr.) (Rus)
[Sigmocystourethroplasty in bladder exstrophy in children] Bairov GA, et al. **Vestn Khir** 1985 Nov;135(11):115–8 (Rus)
[Combined plastic surgery in retroperitoneal fibrosis] Dovlatian AA, et al. **Vestn Khir** 1986 Apr;136(4):60–2 (Rus)

URINARY FISTULA

COMPLICATIONS

[Renocolonic fistula complicated by a renal stone: report of two cases] Morozumi M, et al. **Hinyokika Kiyo** 1986 Apr; 32(4):581–5 (Eng. Abstr.) (Jpn)
[Urinoma or pararenal pseudocyst: contribution of 2 cases] Sánchez Chapado MV, et al. **Arch Esp Urol** 1986 Apr; 39(3):205–10 (Eng. Abstr.) (Spa)

DIAGNOSIS

Hyperchloremic metabolic acidosis as a clue to recto-urethral fistula in an infant with anal atresia. Alon U, et al. **Int J Pediatr Nephrol** 1986 Apr–Jun;7(2):121–4

ETIOLOGY

Urethro-thigh fistula. Report of 2 cases. Moskovitz B, et al. **Eur Urol** 1986;12(2):141–2
Caliceal urinary fistula in renal allotransplantation. Case report and review of the literature. Van Poppel H, et al. **Eur Urol** 1985;11(4):277–81
Vasal urinary fistula with retrograde reflux of urine after vasectomy. Desai KM, et al. **J Urol** 1986 May; 135(5):1023–4
Parastomal ileal conduit-enteric fistula. Hampel N, et al. **J Urol** 1985 Nov;134(5):956–7
Major rectal complications following interstitial implantation of 125iodine for carcinoma of the prostate. Jordan GH, et al. **J Urol** 1985 Dec;134(6):1212–4
Nephrocolic fistula: a complication of percutaneous nephrostolithotomy. Neustein P, et al. **J Urol** 1986 Mar; 135(3):571–3
Urological complications associated with a kidney transplant biopsy: report of 3 cases and review of the literature. Rao KV. **J Urol** 1986 Apr;135(4):768–70
Common iliac artery–ureteral fistula: case report and literature review. Ahlborn TN, et al. **J Vasc Surg** 1986 Jan;3(1):155–8
Urinary fistulae after radical ischiectomies in surgery of ischial pressure sores. Eltorai I, et al. **Paraplegia** 1985 Dec; 23(6):379–85
Calculocutaneous sinus. Lewi HJ, et al. **Urology** 1986 Sep; 28(3):232–4
Complications from urinary condom catheters [letter] Melekos MD, et al. **Urology** 1986 Jan;27(1):88
[A case of uretero-uterine fistula following cesarean section treated by uretero-ureterostomy] Docquier J. **Acta Urol Belg** 1986;54(1):57–9 (Eng. Abstr.) (Fre)
[Reno-colonic and reno-cutaneous fistula in calculous pyonephrosis. Apropos of a case] Markovic B, et al. **Ann Urol (Paris)** 1986;20(1):54–5 (Eng. Abstr.) (Fre)
[2 cases of uretero-arterial fistula] Dauplat J, et al. **J Urol (Paris)** 1985;91(7):457–61 (Eng. Abstr.) (Fre)
[Urinary fistula after the use of adhesives on the renal parenchyma] Somogyi L, et al. **Orv Hetil** 1986 Jul 13; 127(28):1701–2, 1707 (Eng. Abstr.) (Hun)
[Postoperative uretero-vaginal fistula in a duplicated excretory system] Cortellini P, et al. **Acta Biomed Ateneo Parmense** 1985;56(3):143–8 (Eng. Abstr.) (Ita)
[A case of scaphoid megalourethra with urethrocutaneous fistula following plastic surgery] Fujita Y, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Jan;77(1):151–9 (Eng. Abstr.) (Jpn)
[Uretero-intestinal fistula as a complication of nephrectomy] Milewski JB, et al. **Wiad Lek** 1985 Jul 1;38(13):958–60 (Eng. Abstr.) (Pol)
[Pyelovesical anastomosis in renal transplantation] Novaretti JP, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1985 May–Jun; 40(3):152–4 (Eng. Abstr.) (Por)
[Injuries of the urethra in women] Loran OB, et al. **Akush Ginekol (Mosk)** 1986 Feb;(2):62–5 (Rus)
[Retrospective study of 101 renal transplants. III: Urinary complications] Urmeneta Sanromá JM, et al. **Actas Urol Esp** 1985 Nov–Dec;9(6):493–6 (Eng. Abstr.) (Spa)
[Ureteral fistula after renal transplant. Surgical treatment] Muruamendiaraz V, et al. **Arch Esp Urol** 1986 Jun; 39(5):313–8 (Eng. Abstr.) (Spa)

RADIOGRAPHY

Spontaneous healing of uretero-vesico-vaginal fistulas. Alonso Gorrea M, et al. **Eur Urol** 1985;11(5):341–3
Reno-colic-cutaneous fistula. Maeda O, et al. **Urol Int** 1986; 41(3):222–4
[Pyelo-duodenal fistula complicating pyelonephritis] Delmas V, et al. **Ann Urol (Paris)** 1986;20(1):51–3 (Eng. Abstr.) (Fre)

RADIONUCLIDE IMAGING

Renocutaneous inflammatory tract shown during technetium-99m DTPA imaging. Slavin JD Jr, et al. **Clin Nucl Med** 1986 Jan;11(1):55–6
Urine extravasation into the scrotum. Noel AW, et al. **J Nucl Med** 1986 Jun;27(6):807–9

SURGERY

Closure of urethral fistulae by transverse Y-V advancement flap. Moscona AR, et al. **Br J Urol** 1984 Jun;56(3):313–5
Management and treatment of eighteen rectourethral fistulas. Vidal Sans J, et al. **Eur Urol** 1985;11(5):300–5 (54 ref.)
A new retropubic retrourethral approach for large vesico–urethrovaginal fistulas. Koraitim M. **J Urol** 1985 Dec;134(6):1122–3
Percutaneous techniques for the management of urological renal transplant complications. Streem SB, et al. **J Urol** 1986 Mar;135(3):456–9
Proximal vaginal flap and needle suspension procedure in management of large urethral fistulas in females. Lockhart JL, et al. **Urology** 1986 Jan;27(1):24–7
Urologic use of gracilis muscle flap for nonhealing perineal wounds and fistulas. Ryan JA Jr, et al. **Urology** 1985 Nov; 26(5):456–9
Use of the recto-urethral fistula for reconstruction of the anal canal in high anal atresia. Frenckner B. **Z Kinderchir** 1985 Oct;40(5):312–4
[Various types of complicated urinary fistula] Jinag SZ. **Chung Hua I Hsueh Tsa Chih** 1985 Jun;65(6):359–61 (Chi)
[Plastic surgery of the gracilis muscle in the surgical treatment of urethrorectal fistulae] Simon V. **Sb Lek** 1985 Oct;87(10):289–91 (Eng. Abstr.) (Cze)
[Complex urogenital fistula surgically treated in the 2 University Hospital Centers of Abidjan. Value of viscero- and parietoplasties. Apropos of 1018 cases] Le Guyader A, et al. **Chirurgie** 1985;111(6):467–79 (Eng. Abstr.) (Fre)
[Transvaginal urethrocystoplasty: clinical observations and therapy] Austoni E, et al. **Ann Ostet Ginecol Med Perinat** 1985 Jul–Aug; 106(4):206–13 (Eng. Abstr.) (Ita)
[Urological complications after renal transplantation] Ben A, et al. **Hinyokika Kiyo** 1985 Oct;31(10):1683–8 (Eng. Abstr.) (Jpn)
[Successful treatment of a urinary fistula after transplantation of a kidney by transcutaneous puncture nephropyelostomy] Kruglikov PA, et al. **Urol Nefrol (Mosk)** 1985 Jul–Aug; (4):62–4 (Rus)

URINARY INCONTINENCE

Urinary incontinence in the elderly. Snustad DG, et al. **Am Fam Physician** 1985 Nov;32(5):182–96
[The problem of fecal and urinary incontinence after extensive resection of the sacrum and 2d metamere] Pernice LM. **Ann Gastroenterol Hepatol (Paris)** 1986 Jul–Sep; 22(4):199–201 (Eng. Abstr.) (Fre)
[Swiss Society for Gynecology and Obstetrics. Report on the annual meeting. 20–22 June 1985, Lugano] **Gynakol Rundsch** 1985;25 Suppl 3:1–91 (Ger)

CHEMICALLY INDUCED

Treatment-emergent incontinence with lithium. Rosenbaum JF, et al. **J Clin Psychiatry** 1985 Oct;46(10):444–5
[Urinary incontinence after alpha-1 receptor blockade] Thomsen JK, et al. **Ugeskr Laeger** 1986 Jun 30; 148(27):1685–6 (Eng. Abstr.) (Dan)

COMPLICATIONS

Urinary incontinence and the psychopathology of the elderly with cognitive failure. Berrios GE. **Gerontology** 1986; 32(2):119–24

DIAGNOSIS

Analysis of the pattern of urine loss in women with incontinence as measured by weighing perineal pads. Sutherst JR, et al. **Br J Urol** 1986 Jun;58(3):273–8

Use of a visual analogue scale in the diagnosis of urinary incontinence. Parkin DE, et al. **Br Med J [Clin Res]** 1986 Aug 9;293(6543):365–6

Urinary incontinence verification in elderly men. Robb SS. **Nurs Res** 1985 Sep–Oct;34(5):278–82

Office evaluation of female urinary incontinence. Staskin DR, et al. **Primary Care** 1985 Dec;12(4):675–85

Pad tests in children with incontinence. Hellström AL, et al. **Scand J Urol Nephrol** 1986;20(1):47–50

Electromyographic study of bulbocavernosus muscle in 15 patients with postmicturition dribbling. Paquin JM, et al. **Urology** 1985 Dec;26(6):603–5

[The pad test. Quantitative evaluation of urinary incontinence] Opsomer RJ, et al. **Acta Urol Belg** 1985; 53(3):558–61 (Eng. Abstr.) (Fre)

[Current diagnostic procedures in urinary incontinence] De Grandi P. **Gynakol Rundsch** 1985;25 Suppl 3:23–37 (Fre)

[Urodynamic analysis of postoperative urinary incontinence in women. Apropos of 40 cases of incontinence recurring after treatment for incontinence or secondary to treatment for prolapse] Dauplat J, et al. **Rev Fr Gynecol Obstet** 1985 Jun;80(6 Pt 2):459–65 (Eng. Abstr.) (Fre)

[Significance of the urodynamic study in the diagnosis of urinary incontinence in women] Busch R, et al. **Urol Int** 1985;40(4):235–7 (Eng. Abstr.) (Ger)

[Changes in the parameters of the urethral pressure profile by measuring the patient in supine and sitting position] Voigt R, et al. **Z Urol Nephrol** 1986 Jan;79(1):13–7 (Eng. Abstr.) (Ger)

[Value of flowmetry in disorders of bladder emptying] Petri E, et al. **Zentralbl Gynakol** 1985;107(21):1307–13 (Eng. Abstr.) (Ger)

DRUG THERAPY

The effect of terodiline treatment in women with motor urge incontinence. Results from a double-blind study and long-term treatment. Ulmsten U, et al. **Am J Obstet Gynecol** 1985 Nov 15;153(6):619–22

Terodiline in the treatment of women with urgency and motor urge incontinence. A clinical and urodynamic double-blind cross-over study. Gerstenberg TC, et al. **Br J Urol** 1986 Apr;58(2):129–33

Dose titration in clinical trials. An example using emepronium carrageenate in detrusor instability. Massey JA, et al. **Br J Urol** 1986 Apr;58(2):125–8

Bladder training and terodiline in females with idiopathic urge incontinence and stable detrusor function. Klarskov P, et al. **Scand J Urol Nephrol** 1986;20(1):41–6

Terodiline in the treatment of urinary frequency and motor urge incontinence. Workshop in Düsseldorf, August 28–29, 1983. **Scand J Urol Nephrol [Suppl]** 1984;87:1–61

Evaluation of long-term safety and clinical benefit of terodiline in women with urgency/urge incontinence. A multicentre study. Fischer-Rasmussen W. **Scand J Urol Nephrol [Suppl]** 1984;87:35–47

The effect of terodiline on patients with detrusor instability. Macfarlane JR, et al. **Scand J Urol Nephrol [Suppl]** 1984; 87:51–4

Terodiline in the treatment of urinary frequency and motor urge incontinence. A controlled multicentre trial. Peters D. **Scand J Urol Nephrol [Suppl]** 1984;87:21–33

A symptomatic and cystometric comparison of terodiline with emepronium in the treatment of women with frequency, urgency and incontinence. Sole GM, et al. **Scand J Urol Nephrol [Suppl]** 1984;87:55–7

Terbutaline (Bricanyl) in the treatment of female urge incontinence. Lindholm P, et al. **Urol Int** 1986;41(2):158–60

[Pharmacological treatment of urinary incontinence and difficulty in emptying the bladder in women] Thind P, et al. **Ugeskr Laeger** 1985 Dec 2;147(49):3989–92 (Eng. Abstr.) (Dan)

[Treatment of urinary urgency symptoms in the female with the beta-2-sympathomimetic clenbuterol] Voigt R, et al. **Geburtshilfe Frauenheilkd** 1986 Feb;46(2):115–7 (Eng. Abstr.) (Ger)

[Cholinolytic treatment of pediatric bladder instability with Mictonetten] Pfestorf B, et al. **Kinderarztl Prax** 1986 Apr; 54(4):181–6 (Eng. Abstr.) (Ger)

[Changes induced by Mictonorm in the urodynamics of the detrusor muscle in females with symptoms of the urge to urinate] Höfner K, et al. **Z Urol Nephrol** 1985 Jul; 78(7):363–70 (Eng. Abstr.) (Ger)

[Personal experiences with conservative drug therapy of urgency symptoms in the female] Voigt R, et al. **Z Urol Nephrol** 1986 Apr;79(4):197–205 (Eng. Abstr.) (Ger)

[Periurethral teflon injection for urinary incontinence (editorial)] Gilon G, Servadio C. **Harefuah** 1985 May 15; 108(10):513–4 (Heb)

ETIOLOGY

Supravaginal uterine amputation versus hysterectomy with reference to subjective bladder symptoms and incontinence. Kilkku P. **Acta Obstet Gynecol Scand** 1985;64(5):375–9

Tethered cord syndrome in an adult. Pharmacological treatment of the urological symptomatology by oxybutynin. De Angelis M, et al. **Acta Urol Belg** 1986;54(1):99–105

Urinary incontinence after stroke: a prospective study. Borrie MJ, et al. **Age Ageing** 1986 May;15(3):177–81

Mind over bladder? [letter] Stang PE, et al. **Am Fam Physician** 1986 Mar;33(3):28, 30

The postmenopausal bladder. Tapp AJ, et al. **Br J Hosp Med** 1986 Jan;35(1):20–3

The urological evaluation and management of patients with myelodysplasia. Webster GD, et al. **Br J Urol** 1986 Jun; 58(3):261–5

Bladder dysfunction in progressive autonomic failure [editorial] Kirby RS, et al. **Br Med J [Clin Res]** 1986 Jul 26;293(6541):223–4

Detrusor instability: a delayed complication in association with the artificial sphincter. Bauer SB, et al. **J Urol** 1986 Jun;135(6):1212–5

Comparative urological outcome in women with spinal cord injury. McGuire EJ, et al. **J Urol** 1986 Apr;135(4):730–1

Type I ureteral triplication: an extension of the Weigert-Meyer law. Zaontz MR, et al. **J Urol** 1985 Nov; 134(5):949–50

Single ectopic ureter causing incontinence after childbirth. Zimmern PE, et al. **J Urol** 1986 Jul;136(1):92–3

Transurethral resection of the prostate (TURP) followed by intraoperative hemorrhage incontinence. Fiscinia S. **Milit Med** 1986 Jun;151(6):347

Gynecologic and urodynamic evaluation of women with urinary incontinence. Benson JT. **Obstet Gynecol** 1985 Nov;66(5):691–4

Outlook after an acute stroke: urinary incontinence and loss of consciousness compared in 532 patients. Wade DT, et al. **Q J Med** 1985 Sep;56(221):601–8

Psychological features of women with idiopathic detrusor instability. Freeman RM, et al. **Urol Int** 1985;40(5):257–9

Changes in symptoms and colpo-cystourethrography in 35 patients before and after total abdominal hysterectomy: a prospective study. Hansen BM, et al. **Urol Int** 1985; 40(4):224–6

[Urinary incontinence in women over 75. Clinical, etiopathogenic and therapeutic aspects] Hublet D, et al. **Acta Urol Belg** 1985;53(3):529–48 (Eng. Abstr.) (Fre)

[Hydrocephalus. Abesia—dementia—incontinence. Drain or not?] Scharfetter F. **Z Gerontol** 1985 Nov–Dec;18(6):325–9 (Eng. Abstr.) (Ger)

[Surgical treatment of urethral stricture. 5th report: Incontinence after urethroplasty for posterior urethral stenosis due to pelvic fracture] Inoue T, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Mar;77(3):415–20 (Eng. Abstr.) (Jpn)

[Secondary stenosis of the spinal canal in the lumbar segment with few symptoms (spondylogenic urinary incontinence)] Król R, et al. **Chir Narzadow Ruchu Ortop Pol** 1985; 50(4):288–91 (Eng. Abstr.) (Pol)

[Urological pathology in myelodysplasias] Moya-Angeler Garcia A, et al. **Arch Esp Urol** 1985 May-Jun;38(3):305–15 (Eng. Abstr.) (Spa)

[Renal dysplasia associated with an ectopic ureteral orifice into the vagina] Bidegain MA, et al. **Rev Chil Pediatr** 1985 Jul-Aug;56(4):254–8 (Eng. Abstr.) (Spa)

NURSING

A comparative trial of urinary incontinence aids. Smith BM. **Br J Clin Pract** 1985 Aug;39(8):311–24

Validation of the nursing diagnosis of urinary retention. Voith AM, et al. **Nurs Clin North Am** 1985 Dec;20(4):723–9

OCCURRENCE

Urinary incontinence and its correlates in very old age. Vehkalahti I, et al. **Gerontology** 1985;31(6):391–6

Occurrence, nature and treatment of urinary incontinence in a 70-year-old female population. Samsioe G, et al. **Maturitas** 1985 Nov;7(4):335–42

[Urinary incontinence. Occurrence and treatment in a department of long-term care] Kistrup K, et al. **Ugeskr Laeger** 1986 Jun 30;148(27):1661–3 (Eng. Abstr.) (Dan)

[Urinary incontinence in women: results of questionnaires] Fukui J. **Nippon Hinyokika Gakkai Zasshi** 1986 May; 77(5):707–10 (Eng. Abstr.) (Jpn)

PATHOLOGY

[Initial experiences with transvaginal sonography of the urethra and bladder within the scope of the diagnosis of incontinence] Debus-Thiede G, et al. **Geburtshilfe Frauenheilkd** 1985 Dec;45(12):891–4 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

Urinary tract infection after cystometry. Sabanathan K, et al. **Age Ageing** 1985 Sep;14(5):291–5

Perineal electromyographic patterns in urge incontinence. Vereecken RL, et al. **Arch Gynecol** 1986;237(4):235–42

Development and testing of an incontinence monitoring record. Ouslander JG, et al. **J Am Geriatr Soc** 1986 Feb; 34(2):83–90

Unifying concept of pelvic floor disorders and incontinence. Swash M, et al. **J R Soc Med** 1985 Nov;78(11):906–11

Clinical significance of urethral instability. Weil A, et al. **Obstet Gynecol** 1986 Jul;68(1):106–10

Rotational differences in urethral pressure in incontinent women. Vereecken RL, et al. **Urol Int** 1985;40(4):201–5

Urethral and perineal instability. Vereecken RL, et al. **Urol Int** 1985;40(6):325–30

[The significance of uroflowmetry in evaluating urination disorders in women] Zmrhal J, et al. **Cesk Gynekol** 1985 Aug;50(7):483–8 (Cze)

[Urinary incontinence] Kujansuu E. **Duodecim** 1985; 101(15):1504–11 (Fin)

[Urinary incontinence in the elderly] Lehtonen T. **Duodecim** 1985;101(19):1905–11 (Fin)

[The bladder immaturity syndrome. Apropos of 1097 cases] Averous M. **J Urol (Paris)** 1985;91(5):257–67 (Eng. Abstr.) (Fre)

[Are small urodynamic measuring sites able to compete?] Casper F, et al. **Gynakol Rundsch** 1985;25 Suppl 3:63–5 (Ger)

[Urinary incontinence. Urodynamic definitions] Eberhard J. **Gynakol Rundsch** 1985;25 Suppl 3:15–22 (Ger)

[Urination disorders in the aged] Zanollo A, et al. **Minerva Urol Nefrol** 1985 Jul–Sep;37(3):325–30 (Eng. Abstr.) (Ita)

[Urodynamics of the lower urinary tract in women with urinary incontinence] Savin VF. **Urol Nefrol (Mosk)** 1985 Sep–Oct;(5):65–9 (41 ref.) (Rus)

PREVENTION & CONTROL

Oxybutinin and the prevention of urinary incontinence in spina bifida. Hehir M, et al. **Eur Urol** 1985;11(4):254–6

Sacral resection with preservation of continence. Karakousis CP. **Surg Gynecol Obstet** 1986 Sep;163(3):270–3

Radical cystectomy with preservation of sexual and urinary function. Use of the ileocolonic pouch ("Le Bag"). Light JK, et al. **Urol Clin North Am** 1986 May;13(2):261–9

PSYCHOLOGY

The significance of the psychosomatic factor in urge incontinence. Frewen WK. **Br J Urol** 1984 Jun;56(3):330

[Incidence of psychiatric peculiarities in females with urinary incontinence] Zipprich KW, et al. **Zentralbl Gynakol** 1985; 107(22):1378–83 (Eng. Abstr.) (Ger)

RADIOGRAPHY

The radiology of incontinence. Rickards D, et al. **Br J Hosp Med** 1986 Jan;35(1):12–9

[Urethrocystography in women with urgency incontinence] Voigt R, et al. **Cesk Gynekol** 1986 Jul;51(6):411–4 (Eng. Abstr.) (Cze)

[Small chain functional cystourethrography in female urinary incontinence] Fischetti GC, et al. **Minerva Urol Nefrol** 1986 Jan–Mar;38(1):49–57 (Eng. Abstr.) (Ita)

REHABILITATION

[Personal findings on the training of the urinary bladder in older women] Halaška M, et al. **Cesk Gynekol** 1986 Apr; 51(3):154–9 (Eng. Abstr.) (Cze)

[The sphincter prosthesis] Bakker HH, et al. **Ned Tijdschr Geneeskd** 1986 Aug 2;130(31):1401–3 (Eng. Abstr.) (Dut)

[The collecting dripping urine in incontinent elderly] Cools HJ. **Ned Tijdschr Geneeskd** 1986 Jan 18;130(3):97–100 (Dut)

SURGERY

The effects of vaginal repair on anterior bladder suspension defects. A radiological and clinical evaluation. Meyhoff HH, et al. **Acta Obstet Gynecol Scand** 1985;64(5):433–5

Urinary diversion for incontinence—a beneficial procedure? Malone PR, et al. **Ann R Coll Surg Engl** 1985 Nov; 67(6):349–52

Artificial urinary sphincter. Restoring continence. Sant JP. **AORN J** 1986 Apr;43(4):866–75

Artificial urinary sphincters [editorial] Mundy AR. **Arch Dis Child** 1986 Jan;61(1):1–3

Marshall-Marchetti-Krantz procedure and Burch colposuspension in the surgical treatment of female urinary incontinence. Milani R, et al. **Br J Obstet Gynaecol** 1985 Oct;92(10):1050–3

"Clam" ileocystoplasty for the treatment of refractory urge incontinence. Mundy AR, et al. **Br J Urol** 1985 Dec; 57(6):641–6

Ileocaecocystoplasty in urinary tract reconstruction in children. Wespes E, et al. **Br J Urol** 1986 Jun;58(3):266–72

The radiological appearance of artificial urinary sphincters. Davies C, et al. **Clin Radiol** 1985 Jan;36(1):95–9

Results of treatment of post-prostatectomy incontinence using the Kaufman prosthesis. Cox R, et al. **Eur Urol** 1986; 12(3):154–7

Bulbar artificial sphincter. Schreiter F. **Eur Urol** 1985; 11(5):294–9

A neo-urethral enteroplication for urinary continence in a case of cloacal exstrophy. Lobe TE, et al. **J Pediatr Surg** 1985 Dec;20(6):616–8

Abdominal transposition of the female urethra. Das S, et al. **J Urol** 1986 Feb;135(2):373–5

Urethral lengthening and reimplantation for neurogenic incontinence in children. Kropp KA, et al. **J Urol** 1986 Mar;135(3):533–6

Enteroplasty to ablate bowel contractions in the reconstructed bladder: a case report. Light JK. **J Urol** 1985 Nov;134(5):958–9

Augmentation cystoplasty in the management of neurogenic bladder disease and urinary incontinence. Lockhart JL, et al. **J Urol** 1986 May;135(5):969–71

Modified pubovaginal sling in girls with myelodysplasia. McGuire EJ, et al. **J Urol** 1986 Jan;135(1):94–6

Incorporation of corpora cavernosa in bulbous urethral artificial urinary sphincter. Nelson RP. **J Urol** 1986 Jul; 136(1):102–3

Free autogenous muscle transplantation in rabbits: a technique for correction of urinary incontinence. Shore ND, et al. **J Urol** 1985 Nov;134(5):1047–9

Fungal infection associated with artificial urethral sphincters in children. Walterspiel JN, et al. **J Urol** 1986 Jun; 135(6):1245–6

Suprapubic endoscopic vesical neck suspension for the management of urinary incontinence in myelodysplastic girls. Woodside JR, et al. **J Urol** 1986 Jan;135(1):97–9

Free autogenous muscle transplantation in urinary incontinence. Gierup J. **J Urol (Paris)** 1985;91(9):595–603 **(Eng, Fre)**

Urinary diversion for incontinence [editorial] **Lancet** 1986 Feb 15;1(8477):363–4

The AS 800 artificial urinary sphincter in children with myelodysplasia. Preliminary results. Aaronson IA. **S Afr Med J** 1986 May 24;69(11):686–8

Transvaginal closure of the bladder neck. Zimmern P, et al. **Semin Urol** 1986 Feb;4(1):30–2

Incontinence operation for postprostatectomy incontinence. Hauri D. **Urol Int** 1986;41(1):35–41

[New modification of urethrovesical suspension in urinary incontinence in women (according to Hirsch's method)] ATanasov A, et al. **Akush Ginekol (Sofiia)** 1986;25(2):30–2 **(Eng. Abstr.) (Bul)**

[Results of the referral service for incontinence from 1981 to 1984 evaluated by an analysis of women treated surgically] Mardešić T. **Cesk Gynekol** 1985 Nov; 50(9):664–6 **(Cze)**

[Echographic measurement of post-micturition urine volume: description of a simplified method for use in gynecology and obstetrics] Extermann P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1985;14(7):861–5 **(Eng. Abstr.) (Fre)**

[Modification of bladder-induced urinary incontinence by a continence operation] Peters FD, et al. **Fortschr Med** 1985 Oct 17;103(39):910–2 (Eng. Abstr.) **(Ger)**

[Anterior levatorplasty in prolapse and incontinence: a clinical and urodynamic study] Kölbl H, et al. **Geburtshilfe Frauenheilkd** 1986 May;46(5):326–8 (Eng. Abstr.) **(Ger)**

[Morphologic changes in anterior levatorplasty] Riss P, et al. **Geburtshilfe Frauenheilkd** 1986 May;46(5):323–5 (Eng. Abstr.) **(Ger)**

[Female neourethra: comparison of 2 methods] Acanfora F, et al. **Minerva Urol Nefrol** 1985 Jul–Sep;37(3):275–8 (Eng. Abstr.) **(Ita)**

[Urinary incontinence in the neuropathic bladder in children. Treatment using an artificial urinary sphincter] Belloli G, et al. **Pediatr Med Chir** 1985 Sep–Oct;7(5):685–90 (Eng. Abstr.) **(Ita)**

[Surgical treatment of urinary incontinence in women using the double suburethral roll] Mănescu G. **Rev Chir [Chir]** 1986 Jan–Feb;35(1):69–75 (Eng. Abstr.) **(Rum)**

[Artificial sphincters in the treatment of urinary incontinence] Alftan O, et al. **Urol Nefrol (Mosk)** 1985 Sep–Oct;(5):32–6 **(Rus)**

THERAPY

Factors influencing outcome in elderly patients with urinary incontinence and detrusor instability. Castleden CM, et al. **Age Ageing** 1985 Sep;14(5):303–7

Urinary incontinence [editorial] Haber PA. **Ann Intern Med** 1986 Mar;104(3):429–30

Biofeedback for the treatment of anal incontinence in a child with ureterosigmoidostomy. Duckro PN, et al. **Biofeedback Self Regul** 1985 Dec;10(4):325–33

Urodynamic biofeedback treatment of urinary incontinence in children with myelomeningocele. Killam PE, et al. **Biofeedback Self Regul** 1985 Jun;10(2):161–71

Chronic retention after extratrigonal phenol injection for bladder instability. Cox R, et al. **Br J Urol** 1986 Apr; 58(2):229–30

CSF shunts for dementia, incontinence, and gait disturbance. Black PM, et al. **Clin Neurosurg** 1985;32:632–51 (117 ref.)

A urethral valve for bladder drill in patients with motor urge incontinence. Ahlbeck G, et al. **Gynecol Obstet Invest** 1986; 21(2):103–7

Obscuring urinary incontinence. Diapering of the elderly. Starer P, et al. **J Am Geriatr Soc** 1985 Dec;33(12):842–6

Provision of services for incontinent elderly people at home. McGrother CW, et al. **J Epidemiol Community Health** 1986 Jun;40(2):134–8

Comparison of long-term indwelling catheters and bed-pads in the treatment of urinary incontinence in elderly patients. Rannikko S, et al. **J Infect** 1986 May;12(3):221–7

Experience with the Artificial Sphincter 800 in patients with severe urinary incontinence [clinical conference] Harty JI, et al. **J Ky Med Assoc** 1985 Sep;83(9):485–9

Urobehavioral intervention in the rehabilitation of lower urinary tract dysfunction: a case report. Keating JC Jr, et al. **J Manipulative Physiol Ther** 1985 Sep;8(3):185–9

Therapeutic ureteral occlusion in advanced pelvic malignant tumors. Kinn AC, et al. **J Urol** 1986 Jan;135(1):29–32

Bladder training and related therapies for urinary incontinence in older people. Hadley EC. **JAMA** 1986 Jul 18;256(3):372–9

Effects of some different pulse parameters on bladder inhibition and urethral closure during intravaginal electrical stimulation: an experimental study in the cat. Ohlsson B, et al. **Med Biol Eng Comput** 1986 Jan;24(1):27–33

Urinary incontinence in the elderly. Ways to relieve it without surgery. Gregory JG, et al. **Postgrad Med** 1986 Aug;80(2):253–62 (18 ref.)

Management of neurogenic urinary incontinence with AMS artificial urinary sphincter. Jakobsen H, et al. **Scand J Urol Nephrol** 1986;20(2):137–41

Bladder inhibition by electrical stimulation of the perianal skin. Nakamura M, et al. **Urol Int** 1986;41(1):62–3

Contelle: pelvic floor stimulator for female stress-urge incontinence. A multicenter study. Fall M, et al. **Urology** 1986 Mar;27(3):282–7

[Treatment of urinary incontinence in neurogenic bladder patients] Margaritov A. **Khirurgiia (Sofiia)** 1985;38(6):65–9 (Eng. Abstr.) **(Bul)**

[Initial experience with the diagnosis and treatment of urinary urgency incontinence in an ambulatory gynecologic practice] Halaška M, et al. **Cesk Gynekol** 1986 May; 51(4):264–6 **(Cze)**

[Acupuncture in the treatment of female incontinence] Kolt'ai M, et al. **Cesk Gynekol** 1985 Aug;50(7):488–90 **(Cze)**

[Endoscopically controlled urethrosuspension. Employed in women with urinary incontinence with recurrence and/or markedly obese patients] Nilsson T, et al. **Ugeskr Laeger** 1985 Jul 22;147(30):2373–6 (Eng. Abstr.) **(Dan)**

[Urinary incontinence treated with submucous or periurethral Teflon (poly-tetra-fluoroethylene) injection] Osther PJ, et al. **Ugeskr Laeger** 1986 Feb 3;148(6):325–7 (Eng. Abstr.) **(Dan)**

[Technic and use of a silastic vaginal mold: urodynamic evaluation] Dauplat J, et al. **Rev Fr Gynecol Obstet** 1985 Aug–Sep;80(8–9):659–62 (Eng. Abstr.) **(Fre)**

[Electrostimulation to control urinary incontinence] **Fortschr Med** 1986 Apr 24;104(16):60 **(Ger)**

[Surgical problems in the therapy of urinary incontinence associated with a utero-vaginal prolapse] Gualerzi C, et al. **Minerva Ginecol** 1986 Apr;38(4):307–10 (Eng. Abstr.) **(Ita)**

[Clinical studies on the management of urogenital dysfunction in patients with spinal cord injury. 1. Noninflatable penile prosthesis for the management of urinary incontinence and sexual disability] Iwatsubo E, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 May;77(5):760–5 (Eng. Abstr.) **(Jpn)**

[The experience with nerve block in the management of urinary incontinence] Kubota M, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Jun;76(6):865–74 (Eng. Abstr.) **(Jpn)**

VETERINARY

Ectopic ureter in a dog: extension from the kidney to the urinary bladder and to the urethra. Hager DA, et al. **J Am Vet Med Assoc** 1986 Aug 1;189(3):309–10

Importance of urethral length, bladder neck position and vestibulovaginal stenosis in sphincter mechanism incompetence in the incontinent bitch. Holt PE. **Res Vet Sci** 1985 Nov;39(3):364–72

URINARY INCONTINENCE, STRESS

CLASSIFICATION

A grading model for stress urinary incontinence. Ferrari A, et al. **Urology** 1986 Jan;27(1):76–8

DIAGNOSIS

Predictive values of diagnostic tests in the evaluation of female urinary stress incontinence. Fischer-Rasmussen W, et al. **Acta Obstet Gynecol Scand** 1986;65(4):291–4

Perineal pad weighing versus videographic analysis in genuine stress incontinence. Versi E, et al. **Br J Obstet Gynaecol** 1986 Apr;93(4):364–6

Internal urinary sphincter in maintenance of female continence. Versi E, et al. **Br Med J [Clin Res]** 1986 Jan 18;292(6514):166–7

Evaluation of reliability of history in women complaining of urinary stress incontinence. Glezerman M, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Mar;21(3):159–64

Ultrasound cystourethrography by perineal scanning for the assessment of female stress urinary incontinence. Kohorn EI, et al. **Obstet Gynecol** 1986 Aug;68(2):269–72

[Sphincter resistance and stress incontinence] Penders L, et al. **Acta Urol Belg** 1985;53(3):549–57 **(Fre)**

[Standardized measurement of urethral pressure with normal values in the diagnosis of stress incontinence] Eberhard J. **Geburtshilfe Frauenheilkd** 1986 Mar;46(3):145–50 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Intraluminal urethral pressure measurements in the female baboon: effects of hormonal manipulation. Bump RC, et al. **J Urol** 1986 Aug;136(2):508–11

[Treatment of urgency urinary incontinence in women using clenbuterol] Voigt R, et al. **Cesk Gynekol** 1986 Mar; 51(2):76–80 (Eng. Abstr.) **(Cze)**

ETIOLOGY

[Recurrent stress incontinence] Kremling H. **Geburtshilfe Frauenheilkd** 1985 Sep;45(9):634–40 (Eng. Abstr.) **(Ger)**

[Comparison of the incidence and causes of micturition disorders in surgical and stress incontinent patients] Vahlensieck WK, et al. **Z Urol Nephrol** 1986 Apr; 79(4):189–95 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Urethral axis and sphincteric function. Fantl JA, et al. **Am J Obstet Gynecol** 1986 Sep;155(3):554–8

Reduction of urethral pressure in response to stress: relationship to urethral mobility. Richardson DA. **Am J Obstet Gynecol** 1986 Jul;155(1):20–5

Quantification of urethral closure function by SUI threshold after pubococcygeal sling operation. Kujansuu E, et al. **Ann Chir Gynaecol [Suppl]** 1985;197:19–22

Re: Urethral instability: related to stress and/or urge incontinence? [letter] Venema PL, et al. **J Urol** 1986 Sep; 136(3):688–9

Q-Tip test in female urinary incontinence. Montz FJ, et al. **Obstet Gynecol** 1986 Feb;67(2):258–60

Urodynamic changes in urethrovesical function after radical hysterectomy. Scotti RJ, et al. **Obstet Gynecol** 1986 Jul; 68(1):111–20

Simultaneous measurement of pressure profile and pull-through force in the urethra of 25 female patients. Bruijnes E, et al. **Urol Int** 1986;41(1):26–34

Objective assessment of resistance of female urethra to stress. A scale to establish degree of urethral incompetence. Schick E. **Urology** 1985 Nov;26(5):518–26

[Profilometry in relation to lateral radiographic urethrocystography in women with urinary stress incontinence] Feyereisl J, et al. **Cesk Gynekol** 1986 Feb; 51(1):23–6 (Eng. Abstr.) **(Cze)**

[Urinary incontinence in the elderly] Lehtonen T. **Duodecim** 1985;101(19):1905–11 **(Fin)**

[Urodynamic results before and after physiotherapy of women with stress incontinence] Voigt R. **Geburtshilfe Frauenheilkd** 1985 Aug;45(8):563–6 (Eng. Abstr.) **(Ger)**

[Urinary incontinence. Urodynamic definitions] Eberhard J. **Gynakol Rundsch** 1985;25 Suppl 3:15–22 **(Ger)**

[Evaluation of the urethral pressure profile according to the new criteria of the Swiss Working Group for Urodynamics] Eberhard J, et al. **Gynakol Rundsch** 1985;25 Suppl 3:53–5 **(Ger)**

[The physiology of continence and pathophysiology of stress incontinence] Ulmsten U. **Gynakol Rundsch** 1985;25 Suppl 3:1–14 **(Ger)**

RADIOGRAPHY

[Present role of urethrocystography in the diagnosis of female stress incontinence] Göller W, et al. **ROFO** 1986 Jun; 144(6):670–3 (Eng. Abstr.) **(Ger)**

SURGERY

Colpo-urethrocystopexy—a simple method for treatment of genuine primary stress incontinence. Iosif CS. **Acta Obstet Gynecol Scand** 1985;64(6):525–7

The effects of vaginal repair on anterior bladder suspension defects. A radiological and clinical evaluation. Meyhoff HH, et al. **Acta Obstet Gynecol Scand** 1985;64(5):433–5

Modified retropubic cystourethropexy. Goodno JA Jr, et al. **Am J Obstet Gynecol** 1986 Jun;154(6):1211–5

Follow-up of a new modification of the Marshall-Marchetti-Krantz (MMK) procedure. Briel RC. **Arch Gynecol** 1986;239(1):1–9

Lateral bead-chain urethrocystography after successful and unsuccessful colposuspension. Hertogs K, et al. **Br J Obstet Gynaecol** 1985 Nov;92(11):1179–83

Mechanism of urinary continence after colposuspension: barrier studies. Hertogs K, et al. **Br J Obstet Gynaecol** 1985 Nov;92(11):1184–8

Clinical and urodynamic assessment of the porcine dermis bladder sling in the treatment of genuine stress incontinence. Jarvis GJ, et al. **Br J Obstet Gynaecol** 1985 Nov;92(11):1189–91

Long-term follow-up of detrusor instability following the colposuspension operation. Steel SA, et al. **Br J Urol** 1986 Apr;58(2):138–42

INCO needle paraurethral suspension for stress urinary incontinence. Lebed JP, et al. **J Am Osteopath Assoc** 1985 May;85(5):314–7

Re: Management of recurrent urinary stress incontinence by the Marshall-Marchetti-Krantz vesicourethropexy [letter] Loughlin KR, et al. **J Urol** 1985 Nov;134(5):975

Modified Pereyra procedure under local anesthesia. Growdon WA, et al. **Obstet Gynecol** 1986 Aug;68(2):272–4

Retropubic cystourethropexy: a review of two operative procedures with long-term follow-up. Riggs JA. **Obstet Gynecol** 1986 Jul;68(1):98–105

Operative correction for female urethral incompetence. **Hadley HR, et al. Semin Urol** 1986 Feb;4(1):13–23

Preoperative, intraoperative, and postoperative management of vaginal surgery. Staskin DR, et al. **Semin Urol** 1986 Feb; 4(1):7–12

Experience with suprapubic vesicourethral suspension and endoscopic suspension of the vesical neck for stress urinary incontinence in females. Fowler JE Jr. **Surg Gynecol Obstet** 1986 May;162(5):437–41

Endoscopic transurethral suspension of bladder neck and urethra. Experimental trials of new procedure in dogs. Lattanzi CA, et al. **Urology** 1986 Mar;27(3):243–6

[Transvaginal bladder neck suspension operation for urinary stress incontinence: a preliminary report] Gao JG. **Chung Hua Fu Chan Ko Tsa Chih** 1985 Jul;20(4):230–2 **(Chi)**

[Early results of the Marshall–Marchetti–Krantz operation at the First Gynecologic–Obstetrical Clinic in Brno] Velčevský J, et al. **Cesk Gynekol** 1986 Mar;51(2):97–102 **(Cze)**

[Treatment of total incontinence after prostatectomy with artificial sphincter AMS 100] Larsen CF, et al. **Ugeskr Laeger** 1986 Jun 9;148(24):1469–70 (Eng. Abstr.) **(Dan)**

[The effect of urethropexy by the Lapides method in incontinent women] Schultz A, et al. **Ugeskr Laeger** 1986 Feb 17;148(8):438–40 (Eng. Abstr.) **(Dan)**

[Objective quantitation of urinary incontinence In women treated with levator ani plastic surgery] Vejtorp M, et al. **Ugeskr Laeger** 1985 Dec 16;147(51):4190–2 (Eng. Abstr.) **(Dan)**

[Stress incontinence in women; results of the Stamey–Pereyra surgical method of treatment (letter)] Kok FT, et al. **Ned Tijdschr Geneeskd** 1985 Aug 17;129(33):1603–4 **(Dut)**

[Urodynamic parameters before and following a vaginal incontinence operation] Hetzenauer A, et al. **Geburtshilfe Frauenheilkd** 1986 Jan;46(1):27–9 (Eng. Abstr.) **(Ger)**

[Long-term results of the operative treatment of stress incontinence by anterior colporrhaphy with diaphragmplasty] Vahlensieck WK, et al. **Geburtshilfe Frauenheilkd** 1985 Dec;45(12):887–90 (Eng. Abstr.) **(Ger)**

[Urinary incontinence. The concept of surgical therapy] Hochuli E. **Gynakol Rundsch** 1985;25 Suppl 3:38–46 **(Ger)**

[Assessment of surgery-induced changes in the urethral closing function using 2 different evaluation methods] Keller HJ, et al. **Gynakol Rundsch** 1985;25 Suppl 3:56–9 **(Ger)**

[Topographical changes following urethrovesicopexy surgery] Wenger M, et al. **Gynakol Rundsch** 1985;25 Suppl 3:60–2 **(Ger)**

[Operative measures in recurrence of urinary incontinence and advanced displacement of pelvic organs in the female] Schubert J, et al. **Z Urol Nephrol** 1985 Jul;78(7):349–55 (Eng. Abstr.) **(Ger)**

[Urodynamic results before and after operative treatment of stress incontinence in the female] Voigt R, et al. **Z Urol Nephrol** 1985 Jul;78(7):357–61 (Eng. Abstr.) **(Ger)**

[Severe micturition disorder after a sling operation following radical hysterectomy] Kölbl H, et al. **Zentralbl Gynakol** 1986;108(9):582–4 (Eng. Abstr.) **(Ger)**

[Anatomo-functional results of colpourethrocervicocystopexy by the Burch method] Galli PA, et al. **Ann Ostet Ginecol Med Perinat** 1985 Jul–Aug; 106(4):214–20 (Eng. Abstr.) **(Ita)**

[Results of the Burch colposuspension operation for female stress incontinence] Tsujimoto Y, et al. **Hinyokika Kiyo** 1985 Oct;31(10):1695–700 (Eng. Abstr.) **(Jpn)**

[Postoperative management and rehabilitation of women operated on for stress-induced urinary incontinence] Malarewicz A, et al. **Ginekol Pol** 1985 Mar;56(3):138–42 (Eng. Abstr.) **(Pol)**

[Intolerance to the suspension material in urethrocervicopexy under endoscopic control] López López JA, et al. **Arch Esp Urol** 1985 May–Jun;38(3):316–8 (Eng. Abstr.) **(Spa)**

THERAPY

The role of biofeedback in Kegel exercise training for stress urinary incontinence. Burgio KL, et al. **Am J Obstet Gynecol** 1986 Jan;154(1):58–64

The setting-up of an ambulatory urologic-gynecologic service. Management of patients and results. Glezerman M, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Mar; 21(3):125–33

Pelvic floor exercise versus surgery for female urinary stress incontinence. Klarskov P, et al. **Urol Int** 1986;41(2):129–32

Contelle: pelvic floor stimulator for female stress-urge incontinence. A multicenter study. Fall M, et al. **Urology** 1986 Mar;27(3):282–7

[Conservative treatment of functional disorders of the lower urinary tract] Petri E. **Gynakol Rundsch** 1985;25 Suppl 3:47–52 **(Ger)**

[Perineal functional rehabilitation in female urinary stress incontinence] Chiaudano M, et al. **Minerva Med** 1986 Mar 17;77(11):391–3 (Eng. Abstr.) **(Ita)**

[Exercise therapy in the complex treatment of women with stress-induced urinary incontinence] Kan DV, et al. **Akush Ginekol (Mosk)** 1986 Feb;(2):65–6 **(Rus)**

[Basic positions of exercise therapy in the treatment of women with stress incontinence (modified Atabekov–Pribylov method)] Iunusov FA. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Sep–Oct;(5):67–9 **(Rus)**

URINARY TRACT

[Urinary tract obstruction by Candida bezoars, or fungus balls] Domart Y, et al. **Presse Med** 1986 Feb 1;15(4):153–6 (Eng. Abstr.) **(Fre)**

ABNORMALITIES

Updating a diagnosis. The EEC/EECUT syndrome [editorial] Hecht F. **Am J Dis Child** 1985 Dec;139(12):1185

Further reports of urinary tract involvement in EEC syndrome [letter] Küster W. **Am J Dis Child** 1986 May; 140(5):411

Urinary tract involvement in EEC syndrome. London R, et al. **Am J Dis Child** 1985 Dec;139(12):1191–3

Distal obstructive uropathy with polydactyly: a new syndrome? Halal F. **Am J Med Genet** 1986 Aug;24(4):753–7

The outcome of antenatally diagnosed urological abnormalities. Pocock RD, et al. **Br J Urol** 1985 Dec; 57(6):788–92

Lack of association of supernumerary nipples with renal anomalies in black infants. Robertson A, et al. **J Pediatr** 1986 Sep;109(3):502–3

Female pseudohermaphroditism with anorectal, müllerian duct, and urinary tract malformations: report of four cases. Wenstrup RJ, et al. **J Pediatr** 1985 Nov;107(5):751–4

Megalourethra. Appel RA, et al. **J Urol** 1986 Apr; 135(4):747–51

Upper urinary tract anomalies associated with congenital hypospadias: is screening necessary? Cerasaro TS, et al. **J Urol** 1986 Mar;135(3):537–8

Sonographic detection of fetal urinary-tract anomalies. Quinlan RW, et al. **Obstet Gynecol** 1986 Apr;67(4):558–65

Antenatal ultrasound diagnosis of congenital malformations of the urinary tract: results and criticism. dell'Agnola CA, et al. **Prog Pediatr Surg** 1986;19:158–9

Obstructive uropathies diagnosed in utero. The postnatal outcome—a study of 43 cases. Fremond B, et al. **Prog Pediatr Surg** 1986;19:160–77

The diagnosis and course of antenatal urinary tract dilatation. Kullendorff CM, et al. **Z Kinderchir** 1986 Apr;41(2):104–6

[Prenatal diagnosis of urinary tract malformations using routine ultrasonic diagnosis] Rosendahl H. **Duodecim** 1986; 102(4):225–34 (Eng. Abstr.) **(Fin)**

[Urinary tract malformations diagnosed prenatally: exploratory strategy during the neonatal period] Schmit P, et al. **Ann Pediatr (Paris)** 1986 Mar;33(3):234–9 (Eng. Abstr.) **(Fre)**

[Echography and fetal urinary malformations] Lepinard–Berbesson C. **Ann Urol (Paris)** 1986;20(4):225–32 (Eng. Abstr.) **(Fre)**

[Fetal uropathies. Diagnostic and therapeutic problems] Avni EF, et al. **Chir Pediatr** 1985;26(5):305–10 (Eng. Abstr.) **(Fre)**

[Prenatal diagnosis of urinary tract malformations: therapeutic approach] Schulman CC, et al. **Rev Med Brux** 1985 Oct;6(8):543–51 (Eng. Abstr.) **(Fre)**

[Prenatal diagnosis and postnatal course in abnormalities of the kidneys and urinary tract] Rempen A, et al. **Geburtshilfe Frauenheilkd** 1986 Jun;46(6):366–74 (Eng. Abstr.) **(Ger)**

[Diagnosis and therapy of fetal kidney and urinary tract malformations] Maurer G, et al. **Ultraschall Med** 1985 Aug; 6(4):173–81 (Eng. Abstr.) **(Ger)**

[Consequences from prenatal sonography of urinary tract abnormalities] dell'Agnola CA, et al. **Z Kinderchir** 1985 Dec;40(6):338–40 (Eng. Abstr.) **(Ger)**

[Echographic diagnosis of fetal abnormalities: urinary tract] Pagliano M, et al. **Minerva Ginecol** 1985 Sep;37(9):447–51 (Eng. Abstr.) **(Ita)**

[Laboratory parameters as a guide for the radiologic study of infections of the urinary tract in childhood] Benigno V, et al. **Pediatr Med Chir** 1986 Jan–Feb;8(1):91–3 (Eng. Abstr.) **(Ita)**

[Management of urinary tract anomalies detected by prenatal ultrasonography] Shimada K, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Sep;76(9):1285–93 (Eng. Abstr.) **(Jpn)**

[Clinico-morphologic evaluation of the long-term results of treating developmental defects of the urinary system in newborn infants and infants] Doletskil SIa, et al. **Khirurgiia (Mosk)** 1985 Jul;(7):34–8 (Eng. Abstr.) **(Rus)**

[Acute abdomen on the basis of a defect of the urinary tract in a child] Gel'dt VG, et al. **Khirurgiia (Mosk)** 1985 Jul; (7):143–4 **(Rus)**

[Left-sided triplication of the upper urinary tracts and the upper calyx syndrome on the right] Bullov VM. **Vestn Rentgenol Radiol** 1986 May–Jun;(3):86–7 **(Rus)**

[Incidence of urocystographic abnormalities in urinary infection in the neonatal period] Barrio Pérez ML, et al. **An Esp Pediatr** 1986 Feb;24(2):83–6 (Eng. Abstr.) **(Spa)**

[Consequences of a dilated urinary tract diagnosed at the fetal stage] Kullendorff CM, et al. **Lakartidningen** 1985 Oct 23;82(43):3697–8 **(Swe)**

ANALYSIS

Immunohistochemical distribution of S-100 antigen in the urinary system of man and rat. Cocchia D, et al. **Cell Biol Int Rep** 1985 Oct;9(10):957–64

Calcitonin gene-related peptide (CGRP) in the female rat urogenital tract. Ghatei MA, et al. **Peptides** 1985 Sep–Oct; 6(5):809–15

ANATOMY & HISTOLOGY

Serial qualitative maternal nephrosonography in pregnancy. Cietak KA, et al. **Br J Radiol** 1985 May;58(689):399–404

CYTOLOGY

Cellular organization of urinary acidification. Steinmetz PR. **Am J Physiol** 1986 Aug;251(2 Pt 2):F173–87 (84 ref.)

Intermediate filament proteins as distinguishing markers of cell type and differentiated state in cultured human urinary tract epithelia. Rheinwald JG, et al. **Ann NY Acad Sci** 1985; 455:259–67

Adherence of Staphylococcus strains to human urinary and buccal epithelial cells. Carbone M, et al. **G Batteriol Virol Immunol** 1984 Jul–Dec;77(7–12):125–30

DRUG EFFECTS

Effects of calcium channel blockers on urinary tract smooth muscle. Andersson KE, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;58 Suppl 2:193–200 (43 ref.)

The effect of dietary administration of Disperse Blue 1 on the urinary system of the Fischer 344 rat. Burnett CM, et al. **Food Chem Toxicol** 1986 Apr;24(4):269–76

Non-epithelial basement membrane thickening in the urinary tract associated with phenacetin abuse. Palvio DH, et al. **Virchows Arch [A]** 1985;408(2–3):173–82

[Effects of metamizole on the motility of the urinary tract. A quantitative analysis of the excretory phase of serial renal scintigraphy] Schroth HJ, et al. **Fortschr Med** 1986 May 8;104(18):378–82 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

[The defence mechanism against bacteria in the urinary tract] Shehadeh N, et al. **Harefuah** 1985 Dec 15;109(12):409–11 **(Heb)**

INJURIES

Genitourinary trauma. Godec CJ. **Urol Radiol** 1985; 7(4):185–91 (30 ref.)

INNERVATION

Neurophysiological measurements in primary adult enuretics. Fidas A, et al. **Br J Urol** 1985 Dec;57(6):635–40

Non-adrenergic neurotransmitters in relation to sympathetic nervous control of the lower urinary tract. Burnstock G. **Clin Sci** 1986;70 Suppl 14:15s–20s (61 ref.)

The distribution of noradrenergic nerves in the human lower urinary tract. Gosling JA. **Clin Sci** 1986;70 Suppl 14:3s–6s

Calcitonin gene-related peptide immunoreactivity in afferent neurons supplying the urinary tract: combined retrograde tracing and immunohistochemistry. Su HC, et al. **Neuroscience** 1986 Jul;18(3):727–47

Electrical stimulation for bladder control. Talalla A. **PACE** 1986 Mar;9(2):164–70

METABOLISM

Effects of dobutamine on cyclic AMP content in canine upper urinary tract tissue. Kondo S, et al. **Tohoku J Exp Med** 1985 Jul;146(3):371–2

MICROBIOLOGY

Decrease in adherence of bacteria and yeasts to human mucosal epithelial cells by noxythiolin in vitro. Gorman SP, et al. **J Appl Bacteriol** 1986 Apr;60(4):311–7

Relationship between adhesion of Escherichia coli to uro-epithelial cells and the pathogenesis of urinary infection: problems in methodology and analysis. Rosenstein IJ, et al. **J Med Microbiol** 1985 Dec; 20(3):335–44

Prevalence of Leptospira interrogans serovar hardjo in the genital and urinary tracts of non-pregnant cattle. Ellis WA, et al. **Vet Rec** 1986 Jan 4;118(1):11–3

[Studies on the ability of Escherichia coli of urinary tract infection origin to adhere to isolated uroepithelial cells] Hakozaki N. **Nippon Ika Daigaku Zasshi** 1985 Aug; 52(4):367–75 (Eng. Abstr.) **(Jpn)**

PARASITOLOGY

Patterns of Schistosoma haematobium egg distribution in the human lower urinary tract. I. Noncancerous lower urinary tracts. Christie JD, et al. **Am J Trop Med Hyg** 1986 Jul; 35(4):743–51

PATHOLOGY

Ultrasonographic anatomy and diagnosis of fetal uropathies affecting the upper urinary tract. I. Obstructive uropathies. Duval JM, et al. **Anat Clin** 1985;7(4):301–32 (121 ref.)

O-acetylated sialic acid variants in intestinal glandular metaplasia of the urinary tract. Lapertosa G, et al. **Histopathology** 1986 Jul;10(7):707–12

Urinary tract dilatation in utero: classification and clinical applications. Grignon A, et al. **Radiology** 1986 Sep; 160(3):645–7

[Exfoliative cytological examination of the urinary tract using a membrane filter] Törzsök F, et al. **Orv Hetil** 1986 Jul 27;127(30):1807–8, 1811–2 (Eng. Abstr.) (Hun)

[Analgesia by percutaneous electric stimulation in urologic endoscopy] Speranza R, et al. **Minerva Anestesiol** 1985 Nov–Dec;51(11–12):579–82 (Eng. Abstr.) (Ita)

PHYSIOLOGY

The role of smooth muscle and its possible involvement in diseases of the lower urinary tract. Brading AF, et al. **Clin Sci** 1986;70 Suppl 14:7s–13s (15 ref.)

The innervation and function of the lower urinary tract. McGuire EJ. **J Neurosurg** 1986 Sep;65(3):278–85

alpha 1-Adrenoceptor subtype mediating contraction of the smooth muscle in the lower urinary tract and prostate of rabbits. Honda K, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jul; 330(1):16–21

Use of vaginal pressure measurements in urodynamic testing. Richardson DA. **Obstet Gynecol** 1985 Oct;66(4):581–4

[Dynamics of upper urinary tract—the effect of gravity on ureteral peristalsis] Oya A. **Nippon Hinyokika Gakkai Zasshi** 1985 Oct;76(10):1550–60 (Eng. Abstr.) (Jpn)

PHYSIOPATHOLOGY

Pressure changes in the dilated upper urinary tract on perfusion at varying flow rates. Lupton EW, et al. **Br J Urol** 1985 Dec;57(6):622–4

The impact of the artificial urinary sphincter in the neurogenic bladder on the upper urinary tracts. Scott FB, et al. **J Urol** 1986 Sep;136(3):636–42

RADIATION EFFECTS

[Urologic complications following radiotherapy of cancers of the corpus uteri] Staehler G, et al. **Geburtshilfe Frauenheilkd** 1985 Sep;45(9):630–3 (Eng. Abstr.) (Ger)

[Urologic complications following curative radiotherapy of gynecologic cancers] Maier U, et al. **Urologe [A]** 1986 Jan; 25(1):33–7 (Eng. Abstr.) (Ger)

RADIOGRAPHY

A device for the female urinary outflow tract [letter] Steventon RD. **Br J Radiol** 1985 Apr;58(688):390

The radiological appearance of artificial urinary sphincters. Davies C, et al. **Clin Radiol** 1985 Jan;36(1):95–9

Pneumopyonephrosis. Spirnak JP, et al. **Urology** 1986 Aug; 28(2):154

[Radio-urodynamic study of the lower urinary tract] Van Cangh P, et al. **J Radiol** 1985 Oct;66(10):585–9 (Eng. Abstr.) (Fre)

[Genito-urinary tuberculosis. Radiographic aspects of the distal tract] Valentini AL, et al. **Minerva Urol Nefrol** 1985 Apr–Jun;37(2):149–51 (Eng. Abstr.) (Ita)

RADIONUCLIDE IMAGING

Radionuclide imaging of the urinary tract. Velchik MG. **Urol Clin North Am** 1985 Nov;12(4):603–31 (136 ref.)

SURGERY

One stage surgical procedures for bilateral urinary tract lesions. Rao KM, et al. **Int Surg** 1985 Oct–Dec;70(4):353–5

The complications of urinary tract reconstruction. Burbige KA, et al. **J Urol** 1986 Jul;136(1 Pt 2):292–7

Use of intestinal segments in urology. Cascione CJ, et al. **Nebr Med J** 1985 Sep;70(9):323–9

Urotech. Recent surgeon's workshop. Gems and "pearls". **Urology** 1986 May;:1–41

[Use of netilmicin for antibiotic prevention of urinary infections after endoscopic surgery in urology] Conil JM, et al. **Cah Anesthesiol** 1985 Nov;33(7):583–7 (Eng. Abstr.) (Fre)

[Single daily doses of tobramycin sulfate in urologic surgery] Mendicino A, et al. **Chir Patol Sper** 1984 Apr;32(2):81–6 (Eng. Abstr.) (Ita)

[Clinical effect of prostaglandin F2 alpha on postoperative bowel movement in transurethral and transretroperitoneal urologic surgery] Sakashita S, et al. **Hinyokika Kiyo** 1986 Mar;32(3):433–40 (Eng. Abstr.) (Jpn)

[A clinical observation on aged patients subjected to urological surgery] Tokunaga S, et al. **Hinyokika Kiyo** 1986 Mar;32(3):423–31 (Eng. Abstr.) (Jpn)

[Physical factors in the treatment of postoperative cystitis in children] Karachevtseva TV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 May–Jun; (3):41–5 (Rus)

URINARY TRACT INFECTIONS

Urinary tract infections. Block B. **Am Fam Physician** 1986 Jun;33(6):172–85

Symptomatic urinary tract infections in high-risk Nigerian newborn infants. Okolo AA, et al. **Ann Trop Paediatr** 1985 Dec;5(4):181–4

Urinary tract infections and the urethral syndrome in adult women: pathogenesis, diagnosis, and therapy. Latham RH. **Emerg Med Clin North Am** 1985 Feb;3(1):75–86 (55 ref.)

The T' in UTI [letter] Webster RM. **Hosp Pract [Off]** 1986 Mar 15;21(3):18

Counterimmunoelectrophoresis in urinary candidiasis. Shivananda PG, et al. **Indian J Med Res** 1986 Jan;83:6–8

Symptomatic urinary tract infection in pediatric patients—a developmental aspect. Elzouki AY, et al. **Int J Pediatr Nephrol** 1985 Oct–Dec;6(4):267–70

[Urinary tract infection in young women] Leibovici L, et al. **Harefuah** 1986 Feb 16;110(4):194–7 (40 ref.) (Heb)

BLOOD

Serial concentrations of C-reactive protein as an indicator of urinary tract infection in patients with spinal injury. Galloway A, et al. **J Clin Pathol** 1986 Aug;39(8):851–5

CHEMICALLY INDUCED

Relationship between urinary tract infection and oral contraceptive usage. Tanphaichitra D, et al. **J Med Assoc Thai** 1985 Aug;68(8):395–8

COMPLICATIONS

Ureaplasma urealyticum and upper urinary tract stones. Hedelin H, et al. **Br J Urol** 1984 Jun;56(3):244–9

Urinary calculi: microbiological and crystallographic studies. Rosenstein IJ. **CRC Crit Rev Clin Lab Sci** 1986;23(3):245–77 (206 ref.)

The treatment of urinary tract infections in women with diabetes mellitus. Forland M, et al. **Diabetes Care** 1985 Sep–Oct;8(5):499–506

Urinary leucocytes in bladder schistosomiasis. Bhatt KM, et al. **East Afr Med J** 1984 Jun;61(6):449–53

Complications of urinary tract infections. Holder CD, et al. **Hosp Pract [Off]** 1986 Jul 15;21(7):110C–110G passim

Urinary tract infection and recurrent gastroenteritis. Santhanakrishnan BR, et al. **Indian Pediatr** 1986 Mar; 23(3):215–7

Urinary tract infection in renal transplant patients. Prát V, et al. **Infection** 1985 Sep–Oct;13(5):207–10

Problems with diagnosis and antibiotic treatment of frequency and dysuria syndrome. Chattopadhyay B. **J Antimicrob Chemother** 1985 Dec;16(6):680–4

Urinary tract infection with septicaemia due to Staphylococcus saprophyticus in a patient with a ureteric calculus [letter] Olafsen LD, et al. **J Infect** 1986 Jul; 13(1):92–3

Rapidly recurrent renal calculi caused by Ureaplasma urealyticum: a case report. Grenabo L, et al. **J Urol** 1986 May;135(5):995–7

Hyperammonemic coma due to Proteus infection. Kuntze JR, et al. **J Urol** 1985 Nov;134(5):972–3

Lack of correlation of P blood group phenotype and renal scarring. Jacobson SH, et al. **Kidney Int** 1985 Nov; 28(5):797–800

Hirschsprung's disease and urinary tract infection: unrecognized association. Yazbeck S, et al. **Nephron** 1986; 43(3):211–3

Bilateral and symmetrical osteomyelitis due to gram-negative bacilli. A report on two cases. Javaloyas M, et al. **Scand J Rheumatol** 1985;14(3):289–92

The severity of infection stones compared to other stones in the upper urinary tract. Grenabo L, et al. **Scand J Urol Nephrol** 1985;19(4):285–9

Reflux nephropathy follows obstruction or infection. Roberts JA. **Semin Urol** 1986 May;4(2):70–3 (37 ref.)

Urinary tract infection, vesicoureteric reflux, and renal scarring. Smellie JM. **Semin Urol** 1986 May;4(2):82–5

Reflux. Turner WR Jr. **Semin Urol** 1986 May;4(2):63–9 (64 ref.)

Concrement formation in the urinary bladder in rats inoculated with Ureaplasma urealyticum. Grenabo L, et al. **Urol Res** 1985;13(4):195–8

[Dissolution of infectious concretions by irrigation of the hollow system of the kidney] Kočvara R. **Rozhl Chir** 1985 Nov;64(11):759–66 (Eng. Abstr.) (Cze)

[Nephrolithiasis due to infections. Analysis of the mode and factors of progression toward renal failure] Marangella M, et al. **Minerva Urol Nefrol** 1986 Jan–Mar;38(1):103–6 (Eng. Abstr.) (Ita)

[Incrusted cystitis. Etiopathogenesis and discussion of 10 new cases] Tizzani A, et al. **Minerva Urol Nefrol** 1985 Jan–Mar; 37(1):75–80 (Eng. Abstr.) (Ita)

[Formation of the staghorn calculi] Takeuchi H, et al. **Hinyokika Kiyo** 1985 Aug;31(8):1381–5 (Eng. Abstr.) (Jpn)

[Effect of urinary tract infections on the effectiveness of the litholytic action of Debelysin] Gomula A, et al. **Pol Tyg Lek** 1986 Jan 13;41(2):46–8 (Eng. Abstr.) (Pol)

[Urinary infection in patients with glomerular nephropathies] Gluhovschi G, et al. **Rev Med Interna [Med Interna]** 1985 Nov–Dec;37(6):545–56 (Rum)

[Incidence of urocystographic abnormalities in urinary infection in the neonatal period] Barrio Pérez ML, et al. **An Esp Pediatr** 1986 Feb;24(2):83–6 (Eng. Abstr.) (Spa)

[New etiologic aspects in septic urolithiasis] Soriano F. **Rev Clin Esp** 1986 May;178(9):447–50 (Spa)

DIAGNOSIS

Diagnostic potential of urinary enzymes and beta 2-microglobulin in acute urinary tract infection. Sandberg T, et al. **Acta Med Scand** 1986;219(5):489–95

Combined [99mTc]DMSA kidney scintigraphy and [131I]hippuran renography in children with urinary tract infections. Thelle T, et al. **Acta Paediatr Scand** 1985 Sep; 74(5):720–5

Renal sonography in the differentiation of upper from lower urinary tract infection. Dinkel E, et al. **AJR** 1986 Apr; 146(4):775–80

Failure of the urinalysis and quantitative urine culture in diagnosing symptomatic urinary tract infections in patients with long-term urinary catheters. Steward DK, et al. **Am J Infect Control** 1985 Aug;13(4):154–60

Utility of urine cultures in the emergency department. Werman HA, et al. **Ann Emerg Med** 1986 Mar;15(3):302–7

Urinalysis and urine culture in women with dysuria. Komaroff AL. **Ann Intern Med** 1986 Feb;104(2):212–8

Use of clinical findings in diagnosis of urinary tract infection in women [letter] Jurica JV. **Arch Intern Med** 1986 Jun; 146(6):1232, 1235, 1237

Use of clinical findings in the diagnosis of urinary tract infection in women. Wigton RS, et al. **Arch Intern Med** 1985 Dec;145(12):2222–7

Development of new renal scars [letter] Maskell R, et al. **Br Med J [Clin Res]** 1985 Oct 12;291(6501):1050

Rapid methods in microbiology for in-office testing. Needham CA. **Clin Lab Med** 1986 Jun;6(2):291–304

Microbiologic studies. Pancoast P, et al. **Emerg Med Clin North Am** 1986 May;4(2):345–66 (98 ref.)

Counterimmunoelectrophoresis in urinary candidiasis. Shivananda PG, et al. **Indian J Med Res** 1986 Jan;83:6–8

When should we use urine cultures? Stamm WE. **Infect Control** 1986 Aug;7(8):431–3

Lower genitourinary infections in women. Berg AO, et al. **J Fam Pract** 1986 Jul;23(1):61–7 (42 ref.)

Current concepts in the management of urinary candidosis. Wise GJ. **J Urol (Paris)** 1985;91(7):409–16

Comparison of Chemstrip (TM) and Avantage as screens for urinary-tract infection. Flournoy DJ, et al. **Milit Med** 1985 Nov;150(11):593–6

Acute and recurrent urinary tract infections in children. Kass EJ. **Primary Care** 1985 Dec;12(4):607–20

Female urinary tract infection. Mulholland SG. **Primary Care** 1985 Dec;12(4):661–73 (26 ref.)

Uroflowmetry in neurologically normal children with voiding disorders. Jensen KM, et al. **Scand J Urol Nephrol** 1985;19(2):81–4

Genitourinary fungal infections. Frangos DN, et al. **South Med J** 1986 Apr;79(4):455–9 (57 ref.)

Urinary infection. Puigvert A. **Urol Int** 1986;41(2):109–11

[3 human cases of urinary tract infection with Rhabditis] He YX, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1985;3(3):206–8 (Eng. Abstr.) (Chi)

[Importance of the systematic detection of urinary infections in diabetics] Fontbonne A, et al. **Diabete Metab** 1986 Feb; 12(1):47–8 (Fre)

[First urinary infection in infants aged less than 3 months. Diagnostic and therapeutic aspects from 44 cases] Senga P, et al. **Pediatrie** 1985 Oct–Nov;40(7):527–38 (Eng. Abstr.) (Fre)

[Comparison between sonography and intravenous pyelography in follow-up controls in recurring urinary tract infections] Brockmann WP, et al. **Rontgenblatter** 1985 Oct;38(10):332–6 (Eng. Abstr.) (Ger)

[Neonatal sepsis and urinary tract infection due to Citrobacter diversus] Weizer S, et al. **Harefuah** 1986 Apr 1;110(7):346 (Eng. Abstr.) (Heb)

[Laboratory parameters as a guide for the radiologic study of infections of the urinary tract in childhood] Benigno V, et al. **Pediatr Med Chir** 1986 Jan–Feb;8(1):91–3 (Eng. Abstr.) (Ita)

[Urinary tract infections in premature infants: considerations on the reliability of bladder catheterization and other methods of urine collection for bacteriological study] Paci A, et al. **Pediatr Med Chir** 1983 Sep–Oct;5(5):371–9 (Eng. Abstr.) (Ita)

[Clinical studies on urogenital infection with Chlamydia trachomatis. I. Detection of antibodies to chlamydiae in patient sera by means of the microplate immunofluorescence antibody technique (MFA)] Amano M, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Sep; 76(9):1294–302 (Eng. Abstr.) (Jpn)

[Diagnosis of urinary tract infections in general practice (letter)] **Tidsskr Nor Laegeforen** 1986 Apr 30; 106(11):968–71 (Nor)

[Diagnosis of urinary tract infections in general practice. II. The general practitioner's basis for diagnosis and treatment] Gunnes M. **Tidsskr Nor Laegeforen** 1986 Jan 30; 106(3):224–5 (Eng. Abstr.) (Nor)

[Diagnosis of urinary tract infections in general practice. I. A testing of Sensicult and the standardized disc diffusion method] Gunnes M. **Tidsskr Nor Laegeforen** 1986 Jan 30; 106(3):221–3 (Eng. Abstr.) (Nor)

[Chlamydia and urogenital chlamydioses (a review of the literature)] Il'in II. **Voen Med Zh** 1986 Apr;(4):27–31 (0 ref.) (Rus)

DRUG THERAPY

Norfloxacin treatment in urinary tract infections by urease-producing bacteria accompanying renal calculi. Our experience. Muzzonigro G, et al. **Acta Urol Belg** 1985; 53(4):724–9

Upper and lower urinary tract infections: amikacin's role in managing surgical complications. Childs SJ. **Am J Med** 1986 Jun 30;80(6B):210–5

Comparative study of ticarcillin plus clavulanate potassium versus piperacillin in the treatment of hospitalized patients with urinary tract infections. Cox CE. **Am J Med** 1985 Nov 29;79(5B):88–90

Timentin versus piperacillin in the therapy of serious urinary tract infections. File TM Jr, et al. **Am J Med** 1985 Nov 29;79(5B):91–5

Timentin in the treatment of symptomatic complicated urinary tract infections in adult patients. Gebhart RJ, et al. **Am J Med** 1985 Nov 29;79(5B):101–5

Single-dose cephalexin therapy for acute bacterial urinary tract infections and acute urethral syndrome with bladder bacteriuria. Cardenas J, et al. **Antimicrob Agents Chemother** 1986 Mar;29(3):383–5

Randomized, double-blind comparison of ceftazidime and moxalactam in complicated urinary tract infections. Horowitz EA, et al. **Antimicrob Agents Chemother** 1985 Aug;28(2):299–301

Amoxicillin–clavulanic acid versus cefaclor in the treatment of urinary tract infections and their effects on the urogenital and rectal flora. Iravani A, et al. **Antimicrob Agents Chemother** 1986 Jan;29(1):107–11

Randomized comparative study of amoxicillin–clavulanic acid and co-trimoxazole in the treatment of acute urinary tract infections in adults. Karachalios GN. **Antimicrob Agents Chemother** 1985 Nov;28(5):693–4

Single-dose antibiotic therapy for urinary tract infections and type II error [letter] Jordan NS. **Arch Intern Med** 1986 Feb;146(2):413–4

Changing role of co-trimoxazole in the treatment of recurrent urinary infections: a comparison with augmentin. Brumfitt W, et al. **Br J Clin Pract** 1985 Sep;39(9):346–51

Further data on augmentin and co-trimoxazole in the treatment of urinary tract infection. Matts SG, et al. **Br J Clin Pract** 1985 May;39(5):179–84

Urinary tract infection: significance and management. Tolkoff-Rubin NE, et al. **Bull NY Acad Med** 1986 Mar; 62(2):131–48

Amoxicillin–clavulanate (Clavulin). Infectious Diseases and Immunization Committee, Canadian Paediatric Society. **Can Med Assoc J** 1985 Oct 15;133(8):739

Norfloxacin versus pipemidic acid in complicated urinary tract infections due to susceptible pathogens: a comparative clinical trial. Del Favero A, et al. **Chemioterapia** 1986 Apr; 5(2):88–91

Combination of cefmenoxime and cefsulodin in the treatment of complicated urinary tract infections caused by Pseudomonas aeruginosa. Doi T, et al. **Chemotherapy** 1986; 32(3):299–304

Oral treatment of Pseudomonas-induced urinary tract infections with ciprofloxacin. Van Poppel H, et al. **Chemotherapy** 1986;32(1):83–7

Treatment of serious urological infections with cefotaxime compared to ampicillin plus netilmicin. Rasmussen D, et al. **Dan Med Bull** 1986 Feb;33(1):49–51

Norfloxacin: a three-day course for the treatment of urinary tract infection. Ganguli LA, et al. **Drugs Exp Clin Res** 1985; 11(3):177–9

Effects of MT-141, a new cephamycin antibiotic, on acute urinary tract infections. Miyamoto S, et al. **Drugs Exp Clin Res** 1985;11(6):379–82

Comparison of rapid bacteriological response to MT-141 and latamoxef in complicated urinary tract infections. Miyamoto S, et al. **Drugs Exp Clin Res** 1985;11(6):383–5

Overview of clinical experience with ciprofloxacin. Ball AP. **Eur J Clin Microbiol** 1986 Apr;5(2):214–9 (44 ref.)

Clinical evaluation of treatment with ciprofloxacin. Finch R, et al. **Eur J Clin Microbiol** 1986 Apr;5(2):257–9

Ciprofloxacin in the treatment of urinary tract infection due to enterobacteria. Guibert J, et al. **Eur J Clin Microbiol** 1986 Apr;5(2):247–8

Comparison of intravenous ciprofloxacin and mezlocillin in treatment of complicated urinary tract infection. Peters HJ. **Eur J Clin Microbiol** 1986 Apr;5(2):253–5

Ciprofloxacin in the treatment of urinary tract infections caused by Pseudomonas aeruginosa and multiresistant bacteria. Saavedra S, et al. **Eur J Clin Microbiol** 1986 Apr; 5(2):255–7

Ciprofloxacin in the treatment of urinary tract infection in patients with multiple sclerosis. Van Poppel H, et al. **Eur J Clin Microbiol** 1986 Apr;5(2):251–3

Employment of azthreonam in generalized and localized infections determined by gram negative bacteria. Terragna A, et al. **G Ital Chemioter** 1985 May–Aug;32(2):423–5

Clinical superinfection in complicated urinary tract infections: therapy with broad-spectrum beta-lactam antibiotics in urology. Kumazawa J. **Infection** 1985;13 Suppl 1:S96–9

In vitro activity, pharmacokinetics, clinical safety and therapeutic efficacy of enoxacin in the treatment of patients with complicated urinary tract infections. Naber KG, et al. **Infection** 1985 Sep–Oct;13(5):219–24

Cefotaxime for the treatment of gram-positive urinary tract infection. Piccinno A, et al. **Infection** 1985;13 Suppl 1:S100–2

Randomized comparative trial with ceftizoxime and cefotaxime in urinary tract infections. Tripi M, et al. **Int Urol Nephrol** 1985;17(3):195–202

Oral cefuroxime axetil: clinical pharmacology and comparative dose studies in urinary tract infection. Adams DH, et al. **J Antimicrob Chemother** 1985 Sep;16(3):359–66

Efficacy and safety of ciprofloxacin (Bay 0 9867) in the treatment of patients with complicated urinary tract infections. Boerema J, et al. **J Antimicrob Chemother** 1985 Aug;16(2):211–7

Efficacy and safety of pefloxacin in the treatment of patients with complicated urinary tract infections. Boerema JB, et al. **J Antimicrob Chemother** 1986 Apr;17 Suppl B:103–9

A clinical comparison between Macrodantin and trimethoprim for prophylaxis in women with recurrent urinary infections. Brumfitt W, et al. **J Antimicrob Chemother** 1985 Jul;16(1):111–20

Successful use of reduced dosage of cinoxacin in the treatment of recurrent urinary infection. Brumfitt W, et al. **J Antimicrob Chemother** 1985 Dec;16(6):781–8

Comparison of long-term, low-dose pivmecillinam and nitrofurantoin in the control of recurrent urinary tract infection in children. An open, randomized, cross-over study. Carlsen NL, et al. **J Antimicrob Chemother** 1985 Oct;16(4):509–17

Timentin versus piperacillin in the treatment of hospitalized patients with urinary tract infections. Cox CE. **J Antimicrob Chemother** 1986 May;17 Suppl C:93–6

Norfloxacin versus trimethoprim–sulphamethoxazole: efficacy in a model of ascending urinary tract infection in normal and streptozotocin-induced diabetic mice. Fromtling RA, et al. **J Antimicrob Chemother** 1985 Dec; 16(6):735–41

Pharmacokinetics, in-vitro activity, therapeutic efficacy and clinical safety of aztreonam vs. cefotaxime in the treatment of complicated urinary tract infections. Naber KG, et al. **J Antimicrob Chemother** 1986 Apr;17(4):517–27

Treatment of urinary tract infections with aztreonam [letter] Phipps JH, et al. **J Antimicrob Chemother** 1985 Nov; 16(5):678

Clinical evaluation of Timentin in complicated urinary tract infections. Westenfelder M, et al. **J Antimicrob Chemother** 1986 May;17 Suppl C:97–102

Influence of laboratory sensitivity reporting on antibiotic prescribing preferences of general practitioners in the Leeds area [letter] Langdale P, et al. **J Clin Pathol** 1986 Feb;39(2):233–4

Treatment of urinary tract infections [letter] Dunlay J. **J Fam Pract** 1986 Apr;22(4):322, 324

Augmentin (amoxycillin–clavulanic acid) compared with amoxycillin alone in the treatment of urinary tract infections in the elderly. Gallacher G, et al. **J Infect** 1986 May;12(3):229–33

Randomized study of single-dose, three-day, and seven-day treatment of cystitis in women. Greenberg RN, et al. **J Infect Dis** 1986 Feb;153(2):277–82

Kelfiprim. A new sulfa-trimethoprim combination in urinary tract infections. Tanphaichitra D. **J Med Assoc Thai** 1985 Jul;68(7):342–6

Extensive pelvic malacoplakia: observations on management. Matthews PN, et al. **J Urol** 1986 Jan;135(1):132–4

Acute interstitial nephritis and non-oliguric renal failure after cefaclor treatment. Pommer W, et al. **Klin Wochenschr** 1986 Mar 17;64(6):290–3

Urinary-tract infection and low-dose nitrofurantoin [letter] **Lancet** 1971 Dec 4;2(7736):1258

Single-dose therapy in the management of urinary tract infections. Whitworth JA. **Med J Aust** 1986 Feb 3; 144(3):136–8 (33 ref.)

Nitrofurantoin in pregnancy. **Med Lett Drugs Ther** 1986 Mar 14;28(709):32

Mezlocillin: a broad spectrum penicillin in the treatment of urinary tract infection. Roy JB, et al. **Millit Med** 1986 Jun; 151(6):315–7

Comparison of netilmicin with ceftriaxone for the treatment of severe or complicated urinary tract infections. Bailey RR, et al. **NZ Med J** 1986 Jun 25;99(804):459–61

New 4-quinolones in the treatment of urinary tract infections. Boerema JB. **Pharm Weekbl [Sci]** 1986 Feb 21;8(1):46–52

Single-dose cefotetan for urinary tract infection. Sanderson PJ. **Pharmatherapeutica** 1985;4(5):332–4

Aztreonam therapy for complicated urinary tract infections caused by multidrug-resistant bacteria. Cox CE. **Rev Infect Dis** 1985 Nov–Dec;7 Suppl 4:S767–71

Clinical experience with aztreonam in four Mediterranean countries. Daikos GK. **Rev Infect Dis** 1985 Nov–Dec;7 Suppl 4:S831–5

Studies of beta-lactam antibiotics in systemic infections: some personal observations over 25 years. Geddes AM. **Rev Infect Dis** 1986 Jul–Aug;8 Suppl 3:S333–40

Summary of worldwide clinical trials of aztreonam in patients with urinary tract infections. Swabb EA, et al. **Rev Infect Dis** 1985 Nov–Dec;7 Suppl 4:S772–7

Nalidixic acid and pivmecillinam for treatment of acute lower urinary tract infections. Hovelius B, et al. **Scand J Prim Health Care** 1985 Nov;3(4):227–32

Empiric antimicrobial therapy of serious urinary tract infections. File TM Jr, et al. **Urology** 1986 Jan;27(1):80–5 (32 ref.)

Neutropenia induced by short-term oral trimethoprim–sulfamethoxazole therapy; case report. Harris GJ, et al. **Wis Med J** 1986 Mar;85(3):19–21

[Use of Rocefin with urological patients] Kumanov Kh, et al. **Khirurgiia (Sofiia)** 1985;38(5):66–7 (Bul)

[Pipemidinic acid as a urinary antiseptic—microbiological and clinical study] Minkov N, et al. **Vutr Boles** 1985; 24(5):46–53 (Eng. Abstr.) (Bul)

[196 cases of urinary tract infection treated with traditional Chinese medicine and Western medicine combined] Dou GX. **Chung Hsi I Chieh Ho Tsa Chih** 1985 Sep;5(9):526–9, 514 (Eng. Abstr.) (Chi)

[Current status of urinary tract infections] Qian TS. **Chung Hua Nei Ko Tsa Chih** 1985 Aug;24(8):497–500 (27 ref.) (Chi)

[Treatment of urinary infections with a single dose of antibiotics] Frimodt-Møller N, et al. **Nord Med** 1986; 101(4):128–30 (Eng. Abstr.) (Dan)

[Urinary tract infection in general practice treated with sulfamethizole in a single dose or for 6 days] Andersen B, et al. **Ugeskr Laeger** 1986 Feb 24;148(9):511–3 (Eng. Abstr.) (Dan)

[Treatment of urinary infections with a single dose of an antibiotic] Frimodt-Møller N, et al. **Ugeskr Laeger** 1985 Dec 9;147(50):4086–9 (Eng. Abstr.) (Dan)

[New antibiotics in urinary infections in children] Bégué P, et al. **Ann Pediatr (Paris)** 1986 Mar;33(3):257–61 (Eng. Abstr.) (Fre)

[Mass treatment of urinary bilharziasis in Senegal using praziquantel] Diallo S, et al. **Dakar Med** 1984;29(1):249–54 (Eng. Abstr.) (Fre)

[Ofloxacin treatment in nephrologic problem patients with various degrees of chronic renal failure (including dialysis treatment). Preliminary results] Schulz W, et al. **Infection** 1986;14 Suppl 1:S97–101 (Eng. Abstr.) (Ger)

[Ofloxacin versus pipemidic acid and co-trimoxazole] Wittenberger R. **Infection** 1986;14 Suppl 1:S93–6 (Eng. Abstr.) (Ger)

[Norfloxacin in the treatment of urinary tract infections] Joost J. **Wien Klin Wochenschr** 1986 May 30;98(11):355–7 (Eng. Abstr.) (Ger)

[Clinical experience with norfloxacin in urinary tract infections in gynecology] Angelini A, et al. **Clin Ter** 1986 Jun 15;117(5):383–5 (Eng. Abstr.) (Ita)

[Use of netilmicin in the treatment of infections of the urinary tract] Avogadro A, et al. **Clin Ter** 1986 Jun 15;117(5):403–7 (Eng. Abstr.) (Ita)

[Aztreonam in urinary tract infections] Gioè FP, et al. **Clin Ter** 1986 Jun 15;117(5):399–402 (Eng. Abstr.) (Ita)

[Clinical use of josamycin in comparison with erythromycin in respiratory and urinary tract infections] Lazzaro A, et al. **Clin Ter** 1985 Sep 30;114(6):469–73 (Eng. Abstr.) (Ita)

[Genito-urinary infections. Clinico-therapeutic experience with piperacillin] Pastorello M, et al. **Clin Ter** 1986 Apr 30;117(2):115–20 (Eng. Abstr.) (Ita)

[Piperacillin in infections of the urinary tract. Comparison with cefuroxime] Salvia G, et al. **Clin Ter** 1986 Mar 15; 116(5):377–83 (Eng. Abstr.) (Ita)

[Comparative multicenter study between aztreonam and gentamycin in the treatment of renal and urinary infections] Albertazzi A, et al. **G Ital Chemioter** 1985 May–Aug; 32(2):465–8 (Eng. Abstr.) (Ita)

[Mezlocillin versus cefuroxime in infections of the urinary tract] Bernacchi P, et al. **G Ital Chemioter** 1985 May–Aug; 32(2):315–6 (Ita)

[Comparative study of the effectiveness and renal tolerance of aztreonam (1 daily dosage) and gentamycin (2 daily doses) in the therapy of renal and urinary infections] Bonadio M, et al. **G Ital Chemioter** 1985 May–Aug; 32(2):459–63 (Eng. Abstr.) (Ita)

[Netilmicin prevention and therapy in cystoscopic practice] Cirillo-Marucco E, et al. **G Ital Chemioter** 1985 May–Aug; 32(2):481–4 (Eng. Abstr.) (Ita)

[Therapeutic evaluation of aztreonam in the treatment of infections of the urinary tract in another 800 patients] Cortecchia V, et al. **G Ital Chemioter** 1985 May–Aug; 32(2):449–51 (Eng. Abstr.) (Ita)

[Ceftizoxime in the treatment of urinary tract and respiratory infections in liver disease patients] Esposito S, et al. **G Ital Chemioter** 1985 May–Aug;32(2):361–5 (Eng. Abstr.) (Ita)

[Pharmacokinetics and therapeutic activity of netilmicin 200 mg in a single dose (daily) in urinary infections] Praschini F, et al. **G Ital Chemioter** 1985 Sep–Dec;32(3):567–71 (Eng. Abstr.) (Ita)

[Clinical evaluation of aztreonam in the treatment of urinary infections in pediatrics] Impellizzeri A, et al. **G Ital Chemioter** 1985 May–Aug;32(2):431–2 (Eng. Abstr.) (Ita)

[Evaluation of the therapeutic effects of aztreonam and ceftazidime in the treatment of complicated infections of the urinary tract] Orani A, et al. **G Ital Chemioter** 1985 May–Aug;32(2):443–7 (Eng. Abstr.) (Ita)

[Treatment of urinary infections after kidney transplant with ofloxacin (RG 191). Preliminary results] Prati GF, et al. **G Ital Chemioter** 1985 May–Aug;32(2):501–4 (Eng. Abstr.) (Ita)

[Aztreonam in children with severe infections of the urinary tract] Rancilio L, et al. **G Ital Chemioter** 1985 May–Aug; 32(2):437–41 (Eng. Abstr.) (Ita)

[Aztreonam in the treatment of infections of the urinary tract in childhood] Ravelli A, et al. **G Ital Chemioter** 1985 May–Aug;32(2):427–30 (Eng. Abstr.) (Ita)

[Clinical medicine and pharmacokinetics of ceftriaxone in the neonatal period] Serra G, et al. **G Ital Chemioter** 1985 May-Aug;32(2):347-53 (Eng. Abstr.) (Ita)

[Mezlocillin: antibacterial activity and clinical use] Speciale A, et al. **G Ital Chemioter** 1985 May-Aug;32(2):281-4 (Eng. Abstr.) (Ita)

[Bolus doses of netilmicin in the treatment of infections of the urinary tract] Varese LA, et al. **G Ital Chemioter** 1985 May-Aug;32(2):473-6 (Ita)

[Treatment with single doses of netilmicin in infections of the lower urinary tract in children] Viganò A, et al. **G Ital Chemioter** 1985 May-Aug;32(2):477-80 (Eng. Abstr.) (Ita)

[Therapeutic effects and tolerance of aztreonam in infections of the urinary tract in childhood] Zappulla F, et al. **G Ital Chemioter** 1985 May-Aug;32(2):433-6 (Eng. Abstr.) (Ita)

[Control of the maternal and fetal risk in pregnancies complicated by infections of the urinary tract] Vinci GW, et al. **Minerva Ginecol** 1985 Jul-Aug;37(7-8):379-88 (Eng. Abstr.) (Ita)

[Clinical evaluation of cinoxacin in infections of the urinary tract in ambulatory patients] Aimè G, et al. **Minerva Urol Nefrol** 1986 Apr-Jun;38(2):147-50 (Eng. Abstr.) (Ita)

[Netilmicin in comparison with tobramycin in the therapy of severe infections in nephropathic patients] Chiarini C, et al. **Minerva Urol Nefrol** 1985 Jan-Mar;37(1):29-33 (Eng. Abstr.) (Ita)

[Treatment of complicated urinary infections with a new drug of unusual efficacy: norfloxacin] Fischetti GC, et al. **Minerva Urol Nefrol** 1985 Jan-Mar;37(1):83-6 (Eng. Abstr.) (Ita)

[Use of tobramycin in single doses in the prevention and therapy of urinary tract infections] Ghiron P, et al. **Minerva Urol Nefrol** 1986 Jan-Mar;38(1):77-80 (Eng. Abstr.) (Ita)

[Mezlocillin in the treatment of severe infections of the urinary tract] Laudi M, et al. **Minerva Urol Nefrol** 1985 Jul-Sep;37(3):349-52 (Eng. Abstr.) (Ita)

[Clinical experimentation with aztreonam in infections of the urinary tract] Martini G, et al. **Minerva Urol Nefrol** 1986 Apr-Jun;38(2):173-6 (Eng. Abstr.) (Ita)

[Therapeutic activity of aztreonam in the treatment of acute and chronic urinary infections] Ranno S, et al. **Minerva Urol Nefrol** 1986 Jan-Mar;38(1):65-9 (Eng. Abstr.) (Ita)

[Efficacy and tolerance of nitrofurantoin macrocrystals in infections of the urinary tract] Sandri S, et al. **Minerva Urol Nefrol** 1985 Jul-Sep;37(3):357-60 (Eng. Abstr.) (Ita)

[Comparative therapeutic evaluation of 2 quinolone derivatives, norfloxacin and cinoxacin, in complicated infections of the urinary tract] Tizzani A, et al. **Minerva Urol Nefrol** 1985 Oct-Dec;37(4):489-92 (Eng. Abstr.) (Ita)

[Evaluation of the efficacy and tolerance of ceftriaxone in childhood] Dellepiane RM, et al. **Pediatr Med Chir** 1984 Nov-Dec;6(6):783-9 (Eng. Abstr.) (Ita)

[Anticancer therapy of the genito-urinary tract and infection] Kumazawa J, et al. **Gan No Rinsho** 1985 Jul;31(9 Suppl):1218-22 (Eng. Abstr.) (Jpn)

[Clinical experience of norfloxacin in urinary tract infection] Banya Y, et al. **Hinyokika Kiyo** 1985 Aug;31(8):1501-17 (Eng. Abstr.) (Jpn)

[Clinical experience of norfloxacin (Baccidal) in the urological field] Fukuoka H, et al. **Hinyokika Kiyo** 1985 Sep;31(9):1667-74 (Eng. Abstr.) (Jpn)

[Clinical studies of efficacy of piperacillin against complicated urinary tract infections] Ikeuchi T, et al. **Hinyokika Kiyo** 1986 Jan;32(1):143-50 (Eng. Abstr.) (Jpn)

[Concomitant therapy with cefmenoxime and cefsulodin for refractory complicated urinary tract infection (especially caused by Pseudomonas aeruginosa)] Ishigami J, et al. **Hinyokika Kiyo** 1986 May;32(5):779-88 (Eng. Abstr.) (Jpn)

[Clinical study on long-term cinoxacin therapy for outpatients with chronic complicated urinary tract infections] Matsumoto J, et al. **Hinyokika Kiyo** 1985 May;31(5):895-900 (Eng. Abstr.) (Jpn)

[Clinical studies of norfloxacin in urinary tract infections] Matsuura T, et al. **Hinyokika Kiyo** 1985 Nov;31(11):2085-9 (Eng. Abstr.) (Jpn)

[Clinical experience with cefmenoxime (CMX) in complicated urinary tract infections] Minami Y, et al. **Hinyokika Kiyo** 1985 Jun;31(6):1077-84 (Eng. Abstr.) (Jpn)

[Clinical evaluation of aztreonam for complicated urinary tract infection] Moriguchi R, et al. **Hinyokika Kiyo** 1985 Sep;31(9):1675-80 (Eng. Abstr.) (Jpn)

[The study of urinary tract infection with a possible cause of fungi and evaluation of the efficacy of 5-FC] Suzuki K, et al. **Hinyokika Kiyo** 1985 Oct;31(10):1885-94 (Eng. Abstr.) (Jpn)

[Study of the local use of amikacin] Wada S, et al. **Hinyokika Kiyo** 1985 May;31(5):907-13 (Eng. Abstr.) (Jpn)

[Cefpiramide] Fujimori I. **Jpn J Antibiot** 1985 Dec; 38(12):3437-48 (32 ref.) (Jpn)

[Effect of cefaclor on urinary tract infections (the third report)] Honda M, et al. **Jpn J Antibiot** 1985 Aug; 38(8):2094-107 (Eng. Abstr.) (Jpn)

[Clinical studies of ceftizoxime suppositories in respiratory tract infections and urinary tract infections in children] Iwai N, et al. **Jpn J Antibiot** 1985 Oct;38(10):2903-16 (Eng. Abstr.) (Jpn)

[Comparative studies of the efficacy, safety and usefulness of S6472, cefaclor and cephalexin on complicated urinary tract infection by the double-blind method] Kamidono S, et al. **Jpn J Antibiot** 1985 Oct;38(10):2735-69 (Eng. Abstr.) (Jpn)

[Clinical experience with aztreonam in the pediatric field] Kobashi H, et al. **Jpn J Antibiot** 1985 Nov;38(11):3316-22 (Eng. Abstr.) (Jpn)

[Clinical study on aztreonam in pediatrics] Niino M, et al. **Jpn J Antibiot** 1985 Nov;38(11):3334-42 (Eng. Abstr.) (Jpn)

[Therapeutic efficacies of suppository of ceftizoxime against experimental infections in mice] Obana Y, et al. **Jpn J Antibiot** 1985 Dec;38(12):3458-63 (Eng. Abstr.) (Jpn)

[Well-controlled comparative study on aztreonam and cefoperazone in the treatment of complicated urinary tract infections] Ohmori H, et al. **Jpn J Antibiot** 1986 Jan; 39(1):24-56 (Eng. Abstr.) (Jpn)

[Clinical studies on cefoxitin in the prevention of postoperative infections and the treatment of postoperative pulmonary and urinary tract infections] Sakaki T, et al. **Jpn J Antibiot** 1985 Jun;38(6):1625-37 (Eng. Abstr.) (Jpn)

[Laboratory and clinical studies on cefminox] Sawae Y, et al. **Jpn J Antibiot** 1985 May;38(5):1155-64 (Eng. Abstr.) (Jpn)

[Investigation on effectiveness and safety of fosfomycin in treatment of patients with allergy induced by antibacterial agents] Suzuki K, et al. **Jpn J Antibiot** 1986 Jan; 39(1):141-53 (Eng. Abstr.) (Jpn)

[Clinical evaluation of sisomicin in the treatment of complicated chronic urinary tract infections administered by intravenous infusion] Suzuki K, et al. **Jpn J Antibiot** 1985 Nov;38(11):3097-104 (Eng. Abstr.) (Jpn)

[Fundamental and clinical studies on aztreonam in the field of obstetrics and gynecology] Yamamoto K, et al. **Jpn J Antibiot** 1985 Dec;38(12):3651-9 (Eng. Abstr.) (Jpn)

[Comparative studies of T-1982 (cefbuperazone) and cefmetazole in complicated urinary tract infections] Kawada Y, et al. **Kansenshogaku Zasshi** 1983 Jun; 57(6):470-86 (Eng. Abstr.) (Jpn)

[Trimethoprim or trimethoprim-sulfonamide in urinary tract infections and other infections?] Bruun JN. **Tidsskr Nor Laegeforen** 1986 Jan 20;106(2):146-7 (Nor)

[Short-term treatment of primary infections of the urinary tract in children] Horanský V. **Cesk Pediatr** 1986 Jul; 41(7):412-3 (Eng. Abstr.) (Slo)

[Study of a national survey to evaluate the in vitro activity of norfloxacin and 6 other antibiotics against urinary pathogens (letter)] Román Pumar JL. **Med Clin (Barc)** 1986 May 3;86(17):741 (Spa)

[Comparative study of the activity of trimethoprim-sulfamethopyrazine and nitrofurantoin in urinary infections of children] González E, et al. **Rev Chil Pediatr** 1985 Sep-Oct;56(5):341-4 (Eng. Abstr.) (Spa)

[Peroral estriol treatment of older women with urogenital infections] Brandberg A, et al. **Lakartidningen** 1985 Oct 2;82(40):3399-401 (Swe)

ECONOMICS

Costs and strategies for managing nosocomial urinary tract infections. Rutledge KA, et al. **Drug Intell Clin Pharm** 1986 Jul-Aug;20(7-8):587-9

Cost-saving procedures for urinary tract infections [letter] Suppes FT. **Postgrad Med** 1985 Oct;78(5):53

Urinary tract infections [letter] Suppes FT. **Postgrad Med** 1985 Dec;78(8):30, 36

ENZYMOLOGY

Leukocyte esterase activity in the rapid detection of urinary tract and lower genital tract infections in obstetric patients. Abbasi IA, et al. **Am J Perinatol** 1985 Oct;2(4):311-3

[Behavior of certain forms of enzymuria in subjects treated with pipemidic acid] Clemenzia G, et al. **Minerva Med** 1986 Apr 14;77(16):621-6 (Eng. Abstr.) (Ita)

ETIOLOGY

The role of bacterial adherence in the initiation of clinical pyelonephritis. Svenson SB, et al. **Adv Nephrol** 1986; 15:245-57 (33 ref.)

Urinary tract infection after cystometry. Sabanathan K, et al. **Age Ageing** 1985 Sep;14(5):291-5

Confidence intervals vs significance tests: quantitative interpretation [letter] Fleiss JL. **Am J Public Health** 1986 May;76(5):587-8

Epidemiology of urinary tract infection: I. Diaphragm use and sexual intercourse. Foxman B, et al. **Am J Public Health** 1985 Nov;75(11):1308-13

Epidemiology of urinary tract infection: II. Diet, clothing, and urination habits. Foxman B, et al. **Am J Public Health** 1985 Nov;75(11):1314-7

Comparison of ultrasound examination and intravenous urography after a urinary tract infection. Lindsell D, et al. **Arch Dis Child** 1986 Jan;61(1):81-2

Staphylococcus saprophyticus as a urinary pathogen [letter] Hunter PR, et al. **Br Med J [Clin Res]** 1985 Dec 14; 291(6510):1724

Nosocomial urinary tract infection. Schaberg DR, et al. **Compr Ther** 1986 Apr;12(4):8-11

Acquired urinary tract infection in ICU patients [letter] Blenkharn JI. **Crit Care Med** 1986 Feb;14(2):172-3

Bladder dysfunction following anterior resection for carcinoma of the rectum. Janu NC, et al. **Dis Colon Rectum** 1986 Mar;29(3):182-3

Urinary tract infections after renal transplantation. Alexopoulos E, et al. **Drugs Exp Clin Res** 1985;11(2):101-5

Posterior urethral valves: report of a case and review of the literature. Prohaska MG. **J Am Osteopath Assoc** 1985 Aug; 85(8):515-8

Escherichia coli in extra-intestinal infections. Orskov I, et al. **J Hyg (Lond)** 1985 Dec;95(3):551-75 (198 ref.)

Urinary-tract infection by Mycoplasma pulmonis in mice and its wider implications. Taylor-Robinson D, et al. **J Hyg (Lond)** 1986 Jun;96(3):439-46

Relationship between adhesion of Escherichia coli to uro-epithelial cells and the pathogenesis of urinary infection: problems in methodology and analysis. Rosenstein IJ, et al. **J Med Microbiol** 1985 Dec; 20(3):335-44

Indium-111 white blood cell scan for infectious complications of polycystic renal disease [letter] Tsang V, et al. **J Nucl Med** 1986 Aug;27(8):1376

Urinary tract infection in percutaneous surgery for renal calculi. Charton M, et al. **J Urol** 1986 Jan;135(1):15-7

Comparative urological outcome in women with spinal cord injury. McGuire EJ, et al. **J Urol** 1986 Apr;135(4):730-1

Urinary tract deterioration associated with the artificial urinary sphincter. Roth DR, et al. **J Urol** 1986 Mar; 135(3):528-30

Type I ureteral triplication: an extension of the Weigert-Meyer law. Zaontz MR, et al. **J Urol** 1985 Nov; 134(5):949-50

Diaphragm use and urinary tract infection [letter] Peddie BA, et al. **JAMA** 1986 Apr 4;255(13):1707

Urinary tract infection after bladder irrigation with povidone-iodine in vaginal surgery [letter] Anderman S, et al. **Lancet** 1986 Aug 2;2(8501):294

Urinary infection by coagulase-negative staphylococci [letter] Maskell RM. **Lancet** 1971 Dec 4;2(7736):1258-9

Constipation: a cause of enuresis, urinary tract infection and vesico-ureteral reflux in children. O'Regan S, et al. **Med Hypotheses** 1985 Aug;17(4):409-13

Ultrasonography in the radiologic evaluation of children with urinary tract infection. Alon U, et al. **Pediatrics** 1986 Jul; 78(1):58-64

Urinary infections in adults--1985. Cattell WR. **Postgrad Med J** 1985 Oct;61(720):907-13 (23 ref.)

Urinary tract infections and renal papillary necrosis in alcoholism. Pitts TO, et al. **Recent Dev Alcohol** 1986; 4:341-55

Bacterial adherence in urinary tract infections caused by Escherichia coli. Svanborg Edén C. **Scand J Urol Nephrol** 1986;20(2):81-8 (114 ref.)

Detrusor instability in children with recurrent urinary tract infection and/or enuresis. I. Clinical conditions and symptomatology. Qvist N, et al. **Urol Int** 1986;41(3):196-8

Detrusor instability in children with recurrent urinary tract infection and/or enuresis. II. Treatment. Qvist N, et al. **Urol Int** 1986;41(3):199-201

New aspects of pathogenesis of lower urinary tract infections. Sobel JD. **Urology** 1985 Nov;26(5 Suppl):11-6 (47 ref.)

Postoperative infection in urologic surgery. Ward TT. **Urology** 1985 Nov;26(5 Suppl):6-10 (17 ref.)

[Urinary tract infections in children with an indwelling catheter] Posthumus PJ, et al. **Ned Tijdschr Geneeskd** 1986 May 24;130(21):964-7 (Eng. Abstr.) (Dut)

[Bladder catheterization in long-term surgical intensive care] Tauzin-Fin P, et al. **Agressologie** 1985 Nov;26(10):807-10 (Eng. Abstr.) (Fre)

[Presence of newberyite in the right kidney and carbonated apatite in the left kidney in a patient with recurrent urinary infections] Uebelhart D, et al. **Nephrologie** 1986;7(1):13-8 (Eng. Abstr.) (Fre)

[Urinary infections caused by yeasts] Crotti D, et al. **Minerva Med** 1986 May 12;77(20):893-6 (Eng. Abstr.) (Ita)

[Are echographic and radioisotopic studies substitutive or complementary to radiology in renal pathology in childhood?] Sterpa A, et al. **Pediatr Med Chir** 1985 Jul-Aug;7(4):569-71 (Eng. Abstr.) (Ita)

[Four cases of Salmonella urinary tract infection] Ikeda R, et al. **Hinyokika Kiyo** 1985 Jul;31(7):1199-202 (Eng. Abstr.) (Jpn)

[Chronic urinary tract infection of the patient with neurogenic bladder--with special reference to bacteriological study in relation to the kinds of urological management] Kurokawa J, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 May;76(5):678-86 (Eng. Abstr.) (Jpn)

[Role of Mycoplasma hominis and Ureaplasma urealyticum in the etiology of various diseases] Slagowska A. **Przegl Lek** 1985;42(12):811-5 (Pol)

[Urinary infection in children (aspects of its etiopathogenesis, diagnosis, prognosis and treatment)] Târdea A. **Rev Pediatr Obstet Ginecol [Pediatr]** 1986 Jan-Mar;

35(1):17–42 (65 ref.) (Eng. Abstr.) (Rum)
[Interrelations between the causative agent of urinary tract infection and the patient's body] Fünfstück R, et al. **Urol Nefrol (Mosk)** 1985 Nov–Dec;(6):67–71 (49 ref.) (Rus)
[Ren mobilis—pathologic mobility of the kidney as a factor in the onset of chronic recurrent urinary tract infections and chronic pyelonephritis] Negrojević M. **Med Pregl** 1985; 38(11–12):527–30 (Eng. Abstr.) (Ser)
[Urinary infection and prostatic adenomectomy] Torres C, et al. **Actas Urol Esp** 1986 Jan–Feb;10(1):5–10 (Eng. Abstr.) (Spa)
[Risk factors in hospital urinary infections. Prospective study] Monge V, et al. **Med Clin (Barc)** 1986 Jan 11;86(1):7–9 (Eng. Abstr.) (Spa)
[Urinary infection by Corynebacterium species: presentation of 8 cases] Ortí T, et al. **Med Clin (Barc)** 1985 Sep 14; 85(7):266–8 (Eng. Abstr.) (Spa)
[Corynebacterium group D2 urinary infections (letter)] Soriano García F. **Med Clin (Barc)** 1986 Mar 15; 86(10):435–6 (Spa)

IMMUNOLOGY

Non-antibiotic prevention of urinary tract infection. Hagberg L, et al. **Infection** 1985;13 Suppl 2:S196–201
Effect of autovaccination on the course of urinary tract infection in animal experiment. Straube E, et al. **J Hyg Epidemiol Microbiol Immunol** 1985;29(4):435–46
[Effect of immunization with K1-antigen of Escherichia coli on the course of experimental urinary tract infection in the rat] Straube E, et al. **Z Urol Nephrol** 1986 Jun; 79(6):335–46 (Eng. Abstr.) (Ger)

METABOLISM

Urothelial hyperplasia and neoplasia. II. Detection of nitrosamines and interferon in chronic urinary tract infections in rats. Davis CP, et al. **J Urol** 1985 Nov; 134(5):1002–6
[In vitro activity, serum, urine and prostatic adenoma concentrations of ofloxacin in urologic patients with complicated urinary tract infections] Naber KG, et al. **Infection** 1986;14 Suppl 1:S60–4 (Eng. Abstr.) (Ger)

MICROBIOLOGY

Identification of coagulase-negative Staphylococci isolated from urinary tract infections. Leighton PM, et al. **Am J Clin Pathol** 1986 Jan;85(1):92–5
Altered patterns of posttransplant urinary tract infections associated with perioperative antibiotics and curtailed catheterization. Hoy WE, et al. **Am J Kidney Dis** 1985 Oct;6(4):212–6
Relationships between human blood groups, bacterial pathogens, and urinary tract infections. Ratner JJ, et al. **Am J Med Sci** 1986 Aug;292(2):87–91
Antimicrobial susceptibility of urinary tract pathogens—community acquired strains [letter] Waters MJ, et al. **Aust NZ J Med** 1986 Feb;16(1):84–5
Bacterial study of clean intermittent catheterisation in children. Taylor CE, et al. **Br J Urol** 1986 Feb;58(1):64–9
Staphylococcus saprophyticus as a urinary pathogen: a six year prospective survey. Pead L, et al. **Br Med J [Clin Res]** 1985 Oct 26;291(6503):1157–9
Deoxyribonucleic acids of Corynebacterium genitalium and Corynebacterium pseudogenitalium: their genome molecular weights, base ratios, and DNA relatedness with other corynebacteria involved in urinary tract infections. Imaeda T, et al. **Can J Microbiol** 1985 Nov;31(11):1068–70
Incidence of beta-lactamase producing E. coli in urinary tract infections. Sami AA, et al. **Chemioterapia** 1985 Dec; 4(6):429–30
Adherence of Escherichia coli to epithelial cells in the pathogenesis of urinary tract infection. Kozody NL, et al. **Clin Invest Med** 1985;8(2):121–5
Virulence factors of urinary pathogens. Harber MJ, et al. **Clin Sci** 1986 Jun;70(6):531–8 (96 ref.)
Urinary tract infection probably caused by Agrobacterium radiobacter. Alós JI, et al. **Eur J Clin Microbiol** 1985 Dec; 4(6):596–7
In vitro adhesion of urinary & bowel Escherichia coli from patients with urinary tract infection. Singh R, et al. **Indian J Med Res** 1986 Apr;83:363–8
Serratia marcescens infections. Acar JF. **Infect Control** 1986 May;7(5):273–8 (68 ref.)
Chromosomal map position of genes encoding P adhesins in uropathogenic Escherichia coli. Hull R, et al. **Infect Immun** 1986 Feb;51(2):693–5
Role of type 1 pili and effects of phase variation on lower urinary tract infections produced by Escherichia coli. Hultgren SJ, et al. **Infect Immun** 1985 Nov;50(2):370–7
Influence of blood group on the availability of receptors for attachment of uropathogenic Escherichia coli. Lomberg H, et al. **Infect Immun** 1986 Mar;51(3):919–26
Changing resistance of uropathogens to antibiotics. Leibovici L, et al. **Isr J Med Sci** 1985 Jul;21(7):627–8
A follow-up survey of transferable, plasmid-encoded trimethoprim resistance in a general hospital (1975–1983). Chirnside ED, et al. **J Antimicrob Chemother** 1985 Oct; 16(4):419–34
The effect of a range of antimicrobial drugs on the haemagglutination of two clinical isolates from urinary tract infections. Hales BA, et al. **J Antimicrob Chemother** 1985 Nov;16(5):671–4
Recording of antimicrobial resistance of urinary tract isolates—effect of repeat samples on resistance levels. Huovinen P. **J Antimicrob Chemother** 1985 Oct;16(4):443–7
Activity of pefloxacin and thirteen other antimicrobial agents in vitro against isolates from hospital and genitourinary infections. Jones BM, et al. **J Antimicrob Chemother** 1986 Jun;17(6):739–46
The in-vitro comparative activity of quinolones against bacteria from urinary tract infections in general practice. Willems FT, et al. **J Antimicrob Chemother** 1986 Jan; 17(1):69–73
Ureaplasma urealyticum serotypes in urinary tract disease. Hewish MJ, et al. **J Clin Microbiol** 1986 Jan;23(1):149–54
An interesting problem of strain identification with urinary isolates of Escherichia coli. Crichton PB, et al. **J Hosp Infect** 1986 Jan;7(1):34–41
Rare occurrence of Proteus vulgaris in faeces: a reason for its rare association with urinary tract infections. Senior BW, et al. **J Med Microbiol** 1986 Mar;21(2):139–44
Laboratory diagnosis of urinary tract infection in ambulatory women. Latham RH, et al. **JAMA** 1985 Dec 20; 254(23):3333–6
Virulence of urinary pathogens. Harber MJ, et al. **Kidney Int** 1985 Nov;28(5):717–21 (82 ref.)
Streptococci as urinary pathogens. Collins LE, et al. **Lancet** 1986 Aug 30;2(8505):479–81
Plasmid mediated gentamicin resistance in strains of Klebsiella from hospital acquired infections. Romoli E, et al. **Microbiologica** 1986 Jan;9(1):47–52
Standardization and demonstration of antibody-coated Candida in urine by direct immunofluorescence test. Taiwar P, et al. **Mycopathologia** 1986 Apr;94(1):39–44
Bacterial adherence to bladder uroepithelial cells in catheter-associated urinary tract infection. Daifuku R, et al. **N Engl J Med** 1986 May 8;314(19):1208–13
[Entamoeba histolytica as the cause of urinary tract infection after cystectomy and internal urinary diversion with an ileocecal bladder] Gutschik E, et al. **Ugeskr Laeger** 1985 Nov 25;147(48):3907–8 (Eng. Abstr.) (Dan)
[Bacterial and resistance pattern in the urine from patients admitted for prostatectomy] Kjaergaard B, et al. **Ugeskr Laeger** 1986 Feb 10;148(7):396–7 (Eng. Abstr.) (Dan)
[Microbiologic findings in nephrology] Mittermayer H. **Wien Med Wochenschr** 1986 Jan 31;136(1–2):7–10 (Eng. Abstr.) (Ger)
[New knowledge in some areas of urinary tract infections in childhood] Misselwitz J. **Z Arztl Fortbild (Jena)** 1986; 80(10):411–4 (Ger)
[Evaluation of the in vitro activity of flumequine on bacterial strains recently isolated in the hospital] Nani E, et al. **Boll Ist Sieroter Milan** 1986;65(1):14–21 (Eng. Abstr.) (Ita)
[In vitro sensitivity of 39 strains of Pseudomonas aeruginosa isolated from urine culture of hospitalized patients] Vanni M, et al. **Minerva Med** 1986 Jun 30;77(27):1289–92 (Eng. Abstr.) (Ita)
[Hospital infections. Comparative critical evaluation between chemotherapeutic indications and bacterial resistance in urinary tract infections] D'Ingianna E, et al. **Minerva Urol Nefrol** 1985 Apr–Jun;37(2):133–40 (Eng. Abstr.) (Ita)
[Streptococcus faecalis in urinary tract infections] Tripi M, et al. **Minerva Urol Nefrol** 1986 Jan–Mar;38(1):5–7 (Eng. Abstr.) (Ita)
[Urinary microbial load evaluation: comparison of an agar–colony count method and a colorimetric method] Usai G, et al. **Quad Sclavo Diagn** 1985 Dec;21(4):462–8 (Eng. Abstr.) (Ita)
[Clinical and experimental studies on the pathogenicity of clinical isolated Citrobacter freundii] Harada M. **Hinyokika Kiyo** 1985 Jul;31(7):1159–70 (Eng. Abstr.) (Jpn)
[Statistic studies on bacteria isolated from urinary tract infections (report 3)] Okada K, et al. **Hinyokika Kiyo** 1985 Oct;31(10):1727–42 (Eng. Abstr.) (Jpn)
[Comparative studies of antimicrobial agents against causative organisms isolated from urinary tract infections (1983). III. Secular changes in susceptibility] Kosakai N, et al. **Jpn J Antibiot** 1985 Aug;38(8):2243–312 (Eng. Abstr.) (Jpn)
[Comparative studies of antimicrobial agents against causative organisms isolated from urinary tract infections (1983). II. Background of patients] Kosakai N, et al. **Jpn J Antibiot** 1985 Aug;38(8):2230–41 (Eng. Abstr.) (Jpn)
[Comparative studies of antimicrobial agents against causative organisms isolated from urinary tract infections (1983). I. Susceptibility distribution] Kosakai N, et al. **Jpn J Antibiot** 1985 Aug;38(8):2185–229 (Eng. Abstr.) (Jpn)
[The statistical observation of microbial isolated from the urine. The comparison between monomicrobial and polymicrobial isolation] Sawahata T, et al. **Kansenshogaku Zasshi** 1985 Jun;59(6):571–9 (Eng. Abstr.) (Jpn)
[Studies on the ability of Escherichia coli of urinary tract infection origin to adhere to isolated uroepithelial cells] Hakozaki N. **Nippon Ika Daigaku Zasshi** 1985 Aug; 52(4):367–75 (Eng. Abstr.) (Jpn)
[Comparison of serological types of E. coli occurring in the urine and feces of patients with urinary tract infection] Halasa J, et al. **Med Dosw Mikrobiol** 1986;38(2):79–84 (Eng. Abstr.) (Pol)
[Role of bacterial adherence in urinary tract infections] Gromska W. **Postepy Hig Med Dosw** 1985 May–Jun; 39(3):245–63 (56 ref.) (Eng. Abstr.) (Pol)
[Usefulness of bacteriological studies in the diagnosis and treatment of urinary tract infections] Swiderski M, et al. **Wiad Lek** 1986 Apr 15;39(8):522–8 (Eng. Abstr.) (Pol)
[Biotyping and resistotyping for epidemiological tracing of the fecal origin of Klebsiella pneumoniae in urinary infections] Pereira JA, et al. **Mem Inst Oswaldo Cruz** 1985 Jul–Sep;80(3):313–20 (Eng. Abstr.) (Por)
[Comparative analysis of the structure and antibiotic sensitivity of the gram-negative causative agents of suppurative-inflammatory diseases in the patients of a surgical and urological hospital] Bekbergenov BM, et al. **Antibiot Med Biotekhnol** 1986 Mar;31(3):220–4 (Rus)
[Beta-lactam antibiotic sensitivity of Gram-negative bacteria isolated from urology patients] Rudenko AV, et al. **Antibiot Med Biotekhnol** 1985 Oct;30(10):773–6 (Eng. Abstr.) (Rus)
[Antibiotic susceptibility of E. coli strains isolated from urinary tract infections and the role of metabolically deficient strains in these infections] Söyletir G, et al. **Mikrobiyol Bul** 1985 Oct;19(4):210–7 (Eng. Abstr.) (Tur)

OCCURRENCE

Urinary tract infections and the outcome of pregnancy. Naeye RL. **Adv Nephrol** 1986;15:95–102
Epidemiology of bacteriuria in an elderly ambulatory population. Boscia JA, et al. **Am J Med** 1986 Feb; 80(2):208–14
Nosocomial urinary tract infections due to enterococcus. Ten years' experience at a university hospital. Morrison AJ Jr, et al. **Arch Intern Med** 1986 Aug;146(8):1549–51
Prevalence of urinary tract infection in homosexual and heterosexual men. Wilson AP, et al. **Genitourin Med** 1986 Jun;62(3):189–90
The value of a streamlined surveillance method [letter] Page S, et al. **Infect Control** 1986 May;7(5):254
Urinary-tract infection in sexually active homosexual men. Barnes RC, et al. **Lancet** 1986 Jan 25;1(8474):171–3
Circumcision and urinary tract infections [letter] Cunningham N. **Pediatrics** 1986 Feb;77(2):267–9
Corroborative evidence for the decreased incidence of urinary tract infections in circumcised male infants. Wiswell TE, et al. **Pediatrics** 1986 Jul;78(1):96–9
An epidemiological survey of urinary tract infections among outpatients in Northern Norway. Vorland LH, et al. **Scand J Infect Dis** 1985;17(3):277–83
[Screening for urinary tract infections in a urological department. A prospective study] Haase P, et al. **Ugeskr Laeger** 1986 Jul 14;148(29):1811–4 (Eng. Abstr.) (Dan)
[Use of urine collectors for infants from 0 to 4 years of age in a mass survey of urinary schistosomiasis in Niger] Perel Y, et al. **Med Trop (Mars)** 1985 Oct–Dec;45(4):429–33 (Eng. Abstr.) (Fre)
[Infections of the urinary tract in a zonal hospital: preliminary research to a surveillance program] Grandis C, et al. **Ann Ist Super Sanita** 1986;22(2):711–6 (Eng. Abstr.) (Ita)
[Urinary tract infections in a general medicine department. Comments on cases collected over 3 years] Arosio A, et al. **Minerva Med** 1986 Jul 14;77(28–29):1339–46 (Eng. Abstr.) (Ita)
[Self-regulation of the epidemic process in Pseudomonas aeruginosa infection under hospital conditions] Zueva LP. **Zh Mikrobiol Epidemiol Immunobiol** 1986 May;(5):56–60 (Eng. Abstr.) (Rus)

PARASITOLOGY

[Urinary bilharziasis and sideropenic anemia. Study of their relation in 2 villages in Niger] Bretagne S, et al. **Bull Soc Pathol Exot Filiales** 1985;78(5):648–56 (Eng. Abstr.) (Fre)

PATHOLOGY

Mucosal morphology of ileal conduits with particular reference to urinary infections. Lindell O, et al. **Eur Urol** 1986;12(3):201–6
Bacteriology and ultrastructure of the bladder in patients with urinary tract infections. Elliott TS, et al. **J Infect** 1985 Nov;11(3):191–9

PHYSIOPATHOLOGY

Cystometry: unstable bladder and urinary tract infection. Bhatia NN, et al. **Br J Urol** 1986 Apr;58(2):134–7
A comparative study of various electrodes in electromyography of the striated urethral and anal sphincter in children. Nielsen KK, et al. **Br J Urol** 1985 Oct;57(5):557–9
Interaction of a pyelonephritogenic Escherichia coli strain with the tissue components of the mouse urinary tract. Hagberg L, et al. **J Urol** 1986 Jul;136(1):165–72
Dynamics of the urinary tract in longterm vesico-ureteral reflux with infravesical obstruction and infection in pigs; V. Jörgensen TM, et al. **Scand J Urol Nephrol** 1985; 19(2):113–7

[Unstable bladder in childhood] Rodríguez E, et al. **Rev Chil Pediatr** 1985 Jan–Feb;56(1):45–8 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Cost-effective application of the Centers for Disease Control Guideline for Prevention of Catheter-associated Urinary Tract Infections. Epstein SE. **Am J Infect Control** 1985 Dec;13(6):272–5

ABC of spinal cord injury. Urological management. Grundy D, et al. **Br Med J [Clin Res]** 1986 Jan 25;292(6515):249–53

Single- versus multiple-dose mezlocillin prophylaxis in emergency cesarean section. Jaffe R, et al. **Chemotherapy** 1986;32(2):173–7

Prophylactic single-dose co-trimoxazole for prevention of urinary tract infection after abdominal hysterectomy. Jaffe R, et al. **Chemotherapy** 1985;31(6):476–9

Prevention and management of enterococcal infection: cost implications. Barriere SL. **Drug Intell Clin Pharm** 1986 Jul–Aug;20(7–8):573–5

Cycloserine as a urinary tract antiseptic. Kaltenis P. **Int Urol Nephrol** 1986;18(2):125–30

The influence of prophylactic piperacillin on the postoperative course of transurethral prostatectomy. Hoogkamp-Korstanje JA, et al. **J Antimicrob Chemother** 1985 Dec;16(6):773–9

Short-term prophylactic antibiotics in patients undergoing prostatectomy: report of a double-blind randomized trial with 2 intravenous doses of cefotaxime. Prokocimer P, et al. **J Urol** 1986 Jan;135(1):60–4

Does circumcision prevent urinary tract infection. Roberts JA. **J Urol** 1986 May;135(5):991–2

Immunization against urinary tract infections. Uehling DT, et al. **J Urol (Paris)** 1985;91(1):23–6

Randomized comparison of five irrigation solutions at cesarean section. Dashow EE, et al. **Obstet Gynecol** 1986 Oct;68(4):473–8

Appropriate surgical prophylaxis in transurethral genitourinary surgery and potential reduction in nosocomial infections. Childs SJ. **Urology** 1986 May; 27(5):415–20

Perioperative use of carbenicillin in transurethral resection of prostate. Fair WR. **Urology** 1986 Feb;27(2 Suppl):15–8

Prophylactic antibiotics in transurethral resection of bladder tumors: are they necessary? Upton JD, et al. **Urology** 1986 May;27(5):421–3

[Use of netilmicin for antibiotic prevention of urinary infections after endoscopic surgery in urology] Conil JM, et al. **Cah Anesthesiol** 1985 Nov;33(7):583–7 (Eng. Abstr.) **(Fre)**

[Single daily doses of tobramycin sulfate in urologic surgery] Mendicino A, et al. **Chir Patol Sper** 1984 Apr;32(2):81–6 (Eng. Abstr.) **(Ita)**

[Possibility of oral vaccine therapy in elderly patients with recurrent infections of the urinary tract, wearers of permanent bladder catheters] Daccò L, et al. **G Clin Med** 1985 Jul–Aug;66(7–8):269–80 (Eng. Abstr.) **(Ita)**

[Clinical studies on aztreonam in infections in obstetrics and gynecology] Hatase T, et al. **Jpn J Antibiot** 1985 Dec; 38(12):3683–6 (Eng. Abstr.) **(Jpn)**

[Problems in the prevention and dispensary care of urogenital arthritis] Il'in II, et al. **Revmatologiia (Moskva)** 1985 Jul–Sep;(3):66–70 **(Rus)**

[Short-term antibiotic prevention of inflammatory complications of transurethral operations] Ukhin AV. **Urol Nefrol (Mosk)** 1986 Mar–Apr;(2):21–3 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Identification of children requiring radiologic evaluation for urinary infection. Johnson CE, et al. **Pediatr Infect Dis** 1985 Nov–Dec;4(6):656–63

Management of childhood urinary tract infection. McAloon J, et al. **Ulster Med J** 1985 Apr;54(1):65–7

RADIONUCLIDE IMAGING

Radionuclide imaging in pediatrics. Majd M. **Pediatr Clin North Am** 1985 Dec;32(6):1559–79 (28 ref.)

The localization of urinary tract infection with 99mTc glucoheptonate scintigraphy. Traisman ES, et al. **Pediatr Radiol** 1986;16(5):403–6

THERAPY

Results of treatment with Bacillus subtilis spores (Enterogermina) after antibiotic therapy in 95 patients with infection calculosis. Coppi F, et al. **Chemioterapia** 1985 Dec;4(6):467–70

Allogeneic transfusion of macrophages in acute urinary tract infection. Al-Waili NS, et al. **Clin Exp Pharmacol Physiol** 1986 Feb;13(2):173–6

The clinical significance of urinary tract infection: and some thoughts about the future. Grüneberg RN. **Med Lab Sci** 1985 Apr;42(2):186–9

Urinary infections in children 1985. Smellie JM, et al. **Postgrad Med J** 1985 Oct;61(720):895–905 (87 ref.)

Controversies in management of urinary tract infection. Mulholland SG. **Urology** 1986 Feb;27(2 Suppl):3–8

[Plasmapheresis in the complex therapy of patients with acute pyelonephritis and urologic infection] Lopatkin NA, et al. **Z Urol Nephrol** 1986 Jun;79(6):317–24 (Eng. Abstr.) **(Ger)**

URINE

Evaluation of rapid methods for the detection of bacteriuria (screening) in primary health care. Hallander HO, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1986 Feb; 94(1):39–49

Quantitative urine culture in patients with urinary tract infection and bacteremia. Roberts FJ. **Am J Clin Pathol** 1986 May;85(5):616–8

Biochemical urine screening: rationale and advantages. Roy JB, et al. **J Okla State Med Assoc** 1986 Apr;79(4):234–6

Urinary sIgA in children with urinary tract infection. Fliedner M, et al. **J Pediatr** 1986 Sep;109(3):416–21

Urologic evaluation of urinary tract infection in pregnancy. Diokno AC, et al. **J Reprod Med** 1986 Jan;31(1):23–6

Sideroom prediction of urinary tract infections in general practice. O'Dowd TC, et al. **Practitioner** 1986 Jul; 230(1417):655–8

[Urinary tract infections in childhood: importance of immediate urine culture. Personal experience with 4176 tests] Tucci F, et al. **Pediatr Med Chir** 1985 Jan–Feb; 7(1):121–3 (Eng. Abstr.) **(Ita)**

[Bacteria and leukocyte count in the urine in the diagnosis of urinary tract infections] Vangone G, et al. **Pediatr Med Chir** 1985 Jan–Feb;7(1):125–9 (Eng. Abstr.) **(Ita)**

VETERINARY

Pipemidic acid, a new treatment for recurrent urinary tract infection in small animals. van Oosterom RA, et al. **Vet Q** 1986 Jan;8(1):2–5

Evaluation of a catheter biopsy technique as a diagnostic aid in lower urinary tract disease. Holt PE, et al. **Vet Rec** 1986 Jun 21;118(25):681–4

URINATION

Postnatal development of micturition reflex in rats. Maggi CA, et al. **Am J Physiol** 1986 May;250(5 Pt 2):R926–31

Analysis of factors involved in determining urinary bladder voiding cycle in urethan-anesthetized rats. Maggi CA, et al. **Am J Physiol** 1986 Aug;251(2 Pt 2):R250–7

Epidemiology of urinary tract infection: II. Diet, clothing, and urination habits. Foxman B, et al. **Am J Public Health** 1985 Nov;75(11):1314–7

Radionuclide voiding cystography in intrarenal reflux detection. Rizzoni G, et al. **Ann Radiol (Paris)** 1986; 29(3–4):415–20

Internal urinary sphincter in maintenance of female continence [letter] Hickey DS, et al. **Br Med J [Clin Res]** 1986 Mar 22;292(6523):830

Internal urinary sphincter in maintenance of female continence. Versi E, et al. **Br Med J [Clin Res]** 1986 Jan 18;292(6514):166–7

The value of post-void radiographs in excretory urography. Gerber WL, et al. **Clin Radiol** 1985 Sep;36(5):525–7

Bladder wall mechanics and micturition before and after subtotal and total hysterectomy. Lalos O, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Mar;21(3):143–50

Micturating cystourethrography and vesicoureteral reflux. Thomsen HS, et al. **Eur J Radiol** 1985 Nov;5(4):318–20

The role of neuropeptides in the regulation of the micturition reflex. Maggi CA, et al. **J Auton Pharmacol** 1986 Jun; 6(2):133–62 (351 ref.)

Urine pH and the relationship between urine flow and urinary prostaglandin E excretion in the rat. Haylor J, et al. **J Endocrinol** 1986 Feb;108(2):247–53

Clinical evaluation of patients with prostatic obstruction: correlation of flow rates with voided, residual or total bladder volume. Drach GW, et al. **J Urol** 1986 Apr; 135(4):737–40

Refractoriness of urethral striated sphincter during voiding: studies with afferent pudendal reflex arc stimulation in male subjects. Dyro FM, et al. **J Urol** 1986 Apr;135(4):732–6

Relevance of spontaneous activity to urinary bladder function: an in vitro and in vivo study. Levin RM, et al. **J Urol** 1986 Aug;136(2):517–21

Isometric detrusor pressure in the male patient: a comparison between voluntary urethral sphincter contraction and forced penile compression techniques. Morita M, et al. **J Urol** 1985 Dec;134(6):1161–5

Role of the sympathetic nerve in bladder and urethral sphincter function during the micturition cycle in the dog evaluated by pressure flow EMG study. Nishizawa O, et al. **J Urol** 1985 Dec;134(6):1259–61

Micturition in comatose patients. Wyndaele JJ. **J Urol** 1986 Jun;135(6):1209–11

Elastic jump in male urethra during voiding: clinical observations in male subjects and experimental studies in dogs. Yalla SV, et al. **J Urol** 1985 Nov;134(5):907–13

Facial urination due to congestive heart failure [letter] Gould L, et al. **JAMA** 1986 May 9;255(18):2448

Bladder training and related therapies for urinary incontinence in older people. Hadley EC. **JAMA** 1986 Jul 18;256(3):372–9

Day-night variations in urine excretions and hormones in dogs: role of autonomic innervation. Gordon CR, et al. **Physiol Behav** 1985 Aug;35(2):175–81

Measurement of detrusor contractility in the reflex micturition of the decerebrate dog. Nishizawa O, et al. **Tohoku J Exp Med** 1985 Sep;147(1):109–10

An evaluation of contractility parameters determined from isometric contractions and micturition studies. van Mastrigt R, et al. **Urol Res** 1986;14(1):45–52

Post-micturition dribbling [letter] Davies PO Jr. **Urology** 1986 Mar;27(3):288

Mechanism of continence after transpubic urethroplasty. Koraitim M, et al. **Urology** 1986 Feb;27(2):187–90

Accurate diagnosis of detrusor areflexia using combined uroflowmetry and abdominal wall electromyography. Park YC, et al. **Urology** 1985 Oct;26(4):423–5

[The significance of uroflowmetry in evaluating urination disorders in women] Zmrhal J, et al. **Cesk Gynekol** 1985 Aug;50(7):483–8 **(Cze)**

[Neuroanatomical study of micturition] Benoît G, et al. **Ann Urol (Paris)** 1986;20(3):158–65 (72 ref.) (Eng. Abstr.) **(Fre)**

[Dynamic study of miction in patients with spinal cord injuries. Comparison with cystomanometry in 50 cases] Chagnon S, et al. **J Radiol** 1985 Dec;66(12):807–14 (Eng. Abstr.) **(Fre)**

[The physiology of continence and pathophysiology of stress incontinence] Ulmsten U. **Gynakol Rundsch** 1985;25 Suppl 3:1–14 **(Ger)**

[Normal values of urine stream velocity in boys] Nürnberger N. **Z Urol Nephrol** 1985 Oct;78(10):539–44 (Eng. Abstr.) **(Ger)**

[On urine flow and insensible water loss under helium-oxygen high pressure] Tomiyasu K, et al. **Ann Physiol Anthropol** 1985 Jan;4(1):55–9 (Eng. Abstr.) **(Jpn)**

[Role of the lower abdominal nerve in urination] Fukuda T, et al. **Nippon Heikatsukin Gakkai Zasshi** 1985 Aug; 21(4):301–3 **(Jpn)**

[Influence of noradrenaline denervation supersensitivity on urination] Wada T, et al. **Nippon Heikatsukin Gakkai Zasshi** 1985 Aug;21(4):280–2 **(Jpn)**

[Urethral function at the time of urination] Miyakawa M. **Nippon Hinyokika Gakkai Zasshi** 1985 Nov;76(11):1635–6 **(Jpn)**

[Urodynamics of the lower urinary tract in women with urinary incontinence] Savin VF. **Urol Nefrol (Mosk)** 1985 Sep–Oct;(5):65–9 (41 ref.) **(Rus)**

DRUG EFFECTS

Micturition in naive and morphine-dependent rats. Carpenter FG. **Br J Pharmacol** 1986 Apr;87(4):725–31

Oxytocin and [1-deamino, 8-D-arginine]-vasopressin (dDAVP): intrathecal effects on blood pressure, heart rate and urine output. Riphagen CL, et al. **Brain Res** 1986 May 28;374(2):371–4

Postoperative enhancement of urinary output in patients with acute renal failure using continuous furosemide therapy. Krasna MJ, et al. **Chest** 1986 Feb;89(2):294–5

Effects of flavoxate on urinary bladder contraction, micturition reflex and urodynamic parameters. Pietra C, et al. **Farmaco [Prat]** 1986 Aug;41(8):267–73

Activation of micturition reflex by substance P and substance K: indirect evidence for the existence of multiple tachykinin receptors in the rat urinary bladder. Maggi CA, et al. **J Pharmacol Exp Ther** 1986 Jul;238(1):259–66

Dual effects of clonidine on micturition reflex in urethane anesthetized rats. Maggi CA, et al. **J Pharmacol Exp Ther** 1985 Nov;235(2):528–36

The capsaicin-sensitive innervation of the rat urinary bladder: further studies on mechanisms regulating micturition threshold. Maggi CA, et al. **J Urol** 1986 Sep; 136(3):696–700

Bladder and urethral function and supersensitivity to subcutaneously administered bethanechol in cats with chronic cauda equina lesions. el-Salmy S, et al. **J Urol** 1985 Nov;134(5):1011–8

Urinary function during epidural analgesia with methadone and morphine in post-cesarean section patients. Evron S, et al. **Pain** 1985 Oct;23(2):135–44

Micturition activity of pollen extract: contractile effects on bladder and inhibitory effects on urethral smooth muscle of mouse and pig. Kimura M, et al. **Planta Med** 1986 Apr; (2):148–51

Effects of single doses of two antihypertensive rauwolfia-diuretic combinations on urinary excretion. Leary WP, et al. **S Afr Med J** 1986 Jul 19;70(2):95–8

[Fetal urodynamics. Preliminary echographic study in drug-dependent patients] Noia G, et al. **Minerva Ginecol** 1985 Nov;37(11):681–4 (Eng. Abstr.) **(Ita)**

URINATION DISORDERS

Voiding dysfunction in the adolescent. Sand PK, et al. **Obstet Gynecol Surv** 1986 Jun;41(6):342–7 (21 ref.)

CHEMICALLY INDUCED

Chronic retention after extratrigonal phenol injection for bladder instability. Cox R, et al. **Br J Urol** 1986 Apr; 58(2):229–30

Postantibiotic fever, jaundice, dysuria. Karim AH, et al. **Hosp Pract [Off]** 1986 Mar 15;21(3):148, 150

Steroid-induced urogenital tract changes and urine retention

in laboratory rodents. Buhl AE, et al. **J Urol** 1985 Dec; 134(6):1262–7

Urinary retention induced by estrogen injections in mice: an analytical model. Kuroda H, et al. **J Urol** 1985 Dec; 134(6):1268–70

Nifedipine and nocturia [letter] Williams G, et al. **Lancet** 1986 Mar 29;1(8483):738

Naloxone causes urinary urgency. Sandyk R, et al. **Urology** 1986 Jan;27(1):79

CLASSIFICATION

[Proposed functional classification of urination disorders of a neurologic nature in children] Belloli G, et al. **Pediatr Med Chir** 1985 Sep–Oct;7(5):673–5 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Relation between flexor spasms, uninhibited detrusor contractions and anal sphincter activity. Pedersen E, et al. **J Neurol Neurosurg Psychiatry** 1986 Mar;49(3):273–7

[Myo–asthenia syndrome of the bladder] Liu ZP. **Chung Hua I Hsueh Tsa Chih** 1985 Aug;65(8):477–9 **(Chi)**

DIAGNOSIS

Re: Delayed diagnosis of voiding dysfunction: occult spinal dysrhaphism [letter] Kondo A. **J Urol** 1986 Sep;136(3):688

Retroverted impacted gravid uterus with acute urinary retention: report of two cases and a review of the literature. Silva PD, et al. **Obstet Gynecol** 1986 Jul;68(1):121–3

[Urodynamic examination as an objective criterion for evaluating the results of open adenomectomy] Minkov N, et al. **Khirurgiia (Sofiia)** 1985;38(6):59–64 (Eng. Abstr.) **(Bul)**

DRUG THERAPY

Terodiline in the treatment of women with urgency and motor urge incontinence. A clinical and urodynamic double–blind cross–over study. Gerstenberg TC, et al. **Br J Urol** 1986 Apr;58(2):129–33

Rociverine for nocturia in the elderly. Daccó L, et al. **Clin Ther** 1986;8(2):170–4

[Pharmacological treatment of urinary incontinence and difficulty in emptying the bladder in women] Thind P, et al. **Ugeskr Laeger** 1985 Dec 2;147(49):3989–92 (Eng. Abstr.) **(Dan)**

[Exogenous estrogens and the urinary tract] Grio R, et al. **Minerva Ginecol** 1986 Jun;38(6):503–5 (Eng. Abstr.) **(Ita)**

[Clinical effectiveness of KL 007 (oxybutynin hydrochloride) in urinary disorders] Takimoto Y, et al. **Hinyokika Kiyo** 1985 Dec;31(12):2284–301 (Eng. Abstr.) **(Jpn)**

[Therapeutic experiences of seishinrenshiin in patients with equivocal complaints of the lower urinary tract] Terada T, et al. **Hinyokika Kiyo** 1985 Jul;31(7):1253–6 (Eng. Abstr.) **(Jpn)**

[Effect of Robaveron tablet (KN–7) in the long–term therapy for urinary disturbances] Yamada K, et al. **Hinyokika Kiyo** 1985 May;31(5):901–6 (Eng. Abstr.) **(Jpn)**

[Clinical and pharmacological studies on alpha–1 antagonists in smooth muscle of human urinary bladder base and prostatic urethra] Kunisawa Y. **Nippon Hinyokika Gakkai Zasshi** 1986 Apr;77(4):600–11 (Eng. Abstr.) **(Jpn)**

[Acute dysuria/pollakisuria syndrome in women] Gossius G, et al. **Tidsskr Nor Laegeforen** 1986 Jun 10;106(16):1398–400 (Eng. Abstr.) **(Nor)**

[Bethanechol as treatment for urinary retention induced by a combination of neuroleptics and anticholinergics] Segui Montesinos J, et al. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1985 Nov–Dec;13(6):402–5 (Eng. Abstr.) **(Spa)**

[Indoramin, an alpha blocker, in functional disorders of the lower urinary tract] García Ortiz R, et al. **Rev Med Chil** 1985 Jan;113(1):12–7 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Acute and chronic retention of urine: relevance of raised serum prostatic acid phosphatase levels. A prospective study. Collier DS, et al. **Urology** 1986 Jan;27(1):34–7

ETIOLOGY

Supravaginal uterine amputation versus hysterectomy with reference to subjective bladder symptoms and incontinence. Kilkku P. **Acta Obstet Gynecol Scand** 1985;64(5):375–9

Cysts of the seminal vesicle. A case report and review of the literature. Stenos J, et al. **Acta Urol Belg** 1985; 53(4):718–23

Acute urinary retention secondary to an incarcerated gravid uterus. Nelson MS. **Am J Emerg Med** 1986 May;4(3):231–2

Acute urinary retention as a presenting sign of spinal cord compression. Tintinalli JE. **Ann Emerg Med** 1986 Oct; 15(10):1235–7

Post–hysterectomy urethral dysfunction: evaluation and management. Farghaly SA, et al. **Br J Urol** 1986 Jun; 58(3):299–302

Micturition disturbance in Parkinson's disease. Fitzmaurice H, et al. **Br J Urol** 1985 Dec;57(6):652–6

Identification of the poor risk patient with "prostatism" and detrusor failure. George NJ, et al. **Br J Urol** 1986 Jun; 58(3):290–5

Long–term follow–up of detrusor instability following the colposuspension operation. Steel SA, et al. **Br J Urol** 1986 Apr;58(2):138–42

Retention of urine in occult anorectal herpes. Atia W, et al. **Br Med J [Clin Res]** 1986 Jan 25;292(6515):239

Posterior urethral valves: report of a case and review of the literature. Prohaska MG. **J Am Osteopath Assoc** 1985 Aug; 85(8):515–8

Problems with diagnosis and antibiotic treatment of frequency and dysuria syndrome. Chattopadhyay B. **J Antimicrob Chemother** 1985 Dec;16(6):680–4

Sexual and urinary dysfunction following surgery for sigmoid colon cancer. Tomoda H, et al. **Jpn J Surg** 1985 Sep; 15(5):355–60

Elsberg syndrome: a neurologic basis for acute urinary retention in patients with genital herpes. Hemrika DJ, et al. **Obstet Gynecol** 1986 Sep;68(3 Suppl):37S–39S

Urinary problems in decompression sickness. Dounis A, et al. **Paraplegia** 1986 Feb;24(1):20–5

Urodynamic investigation predicts bladder dysfunction at an early stage after abdominoperineal resection of the rectum for cancer. Aagaard J, et al. **Surgery** 1986 May;99(5):564–8

Voiding disturbances following anal surgery. Lyngdorf P, et al. **Urol Int** 1986;41(1):67–9

Micturition syncope: an atypical case. Eason AA. **Urology** 1986 Apr;27(4):354–5

Percutaneous intrapelvic pressure registration in patients with ureterointestinal urinary diversion. Hayashi T, et al. **Urology** 1986 Sep;28(3):176–8

[Micturition complaints in older men] Delaere KP. **Tijdschr Gerontol Geriatr** 1986 Feb;17(1):3–7 (Eng. Abstr.) **(Dut)**

["Lacuna magna": a little known cause of dysuria and urethrorrhagia in children] Hentati M, et al. **Tunis Med** 1985 Jun–Jul;63(6–7):353–6 (Eng. Abstr.) **(Fre)**

[Functional disorders of the lower urinary tract following a radical abdominal operation in cervical cancer] Ralph G, et al. **Geburtshilfe Frauenheilkd** 1985 Sep;45(9):625–9 (Eng. Abstr.) **(Ger)**

[Comparison of the renal ultrasound–furosemide test with the isotope nephrogram. Possible clue to the retention phenomenon?] Frass M, et al. **ROFO** 1986 Jul;145(1):87–90 (Eng. Abstr.) **(Ger)**

[Severe micturition disorder after a sling operation following radical hysterectomy] Kölbl H, et al. **Zentralbl Gynakol** 1986;108(9):582–4 (Eng. Abstr.) **(Ger)**

[Obstructive uropathy due to mumps] Keidar S, et al. **Harefuah** 1985 Apr 15;108(8):392 (Eng. Abstr.) **(Heb)**

[Urine retention in women. Our experience] Fanciullacci F, et al. **Minerva Urol Nefrol** 1985 Apr–Jun;37(2):129–31 (Eng. Abstr.) **(Ita)**

[The natural history of urological problems in myelomeningocele and their treatment] Grassetti F, et al. **Minerva Urol Nefrol** 1985 Apr–Jun;37(2):207–10 (Eng. Abstr.) **(Ita)**

[Diverticulum of the female urethra as a cause of acute retention of the urine. Observation of a case] Premuda S, et al. **Radiol Med (Torino)** 1984 Dec;70(12):1009–10 **(Ita)**

[Influence of complications of urination disorders due to status lacunaris] Murayama N, et al. **Nippon Hifukatsukin Gakkai Zasshi** 1985 Aug;21(4):299–301 **(Jpn)**

NURSING

Validation of the nursing diagnosis of urinary retention. Voith AM, et al. **Nurs Clin North Am** 1985 Dec;20(4):723–9

PHYSIOPATHOLOGY

Importance of the urodynamic examination of aged patients. Szüle E, et al. **Acta Chir Hung** 1986;27(1):45–51

Changes in micturition volume thresholds in conscious dogs following spinal opiate administration. Bolam JM, et al. **J Auton Nerv Syst** 1986 Aug;16(4):261–77

Decelerating burst and complex repetitive discharges in the striated muscle of the urethral sphincter, associated with urinary retention in women. Fowler CJ, et al. **J Neurol Neurosurg Psychiatry** 1985 Oct;48(10):1004–9

3–year followup of urinary symptoms after transurethral resection of the prostate. Bruskewitz RC, et al. **J Urol** 1986 Sep;136(3):613–5

The role of dysfunctional voiding in failure or complication of ureteral reimplantation for primary reflux. Noe HN. **J Urol** 1985 Dec;134(6):1172–5

Electromyography of urethral sphincter in women with urinary retention. Fowler CJ, et al. **Lancet** 1986 Jun 28; 1(8496):1455–7

Use of vaginal pressure measurements in urodynamic testing. Richardson DA. **Obstet Gynecol** 1985 Oct;66(4):581–4

Urodynamic changes in urethrovesical function after radical hysterectomy. Scotti RJ, et al. **Obstet Gynecol** 1986 Jul; 68(1):111–20

Urodynamic factors in relation to outcome of prostatectomy. Ball AJ, et al. **Urology** 1986 Sep;28(3):256–8

[Spinal and cerebral evoked potentials of genital origin. Clinical applications] Opsomer RJ, et al. **Acta Urol Belg** 1986;54(2):230–43 (Eng. Abstr.) **(Fre)**

[Echographic measurement of post–micturition urine volume: description of a simplified method for use in gynecology and obstetrics] Extermann P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1985;14(7):861–5 (Eng. Abstr.) **(Fre)**

[Electromyography (EMG) of the external urethral sphincter in patients with micturition disturbances] Abe S. **Nippon Hinyokika Gakkai Zasshi** 1986 May;77(5):747–59 (Eng. Abstr.) **(Jpn)**

[Urethral compliance and cross sectional area measurement—clinical study of male patients with lower urinary tract dysfunction] Harada T, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Sep;76(9):1341–8 (Eng. Abstr.) **(Jpn)**

[Unstable bladder in childhood] Rodríguez E, et al. **Rev Chil Pediatr** 1985 Jan–Feb;56(1):45–8 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Bladder drainage for caesarean section under epidural analgesia. Kerr–Wilson RH, et al. **Br J Obstet Gynaecol** 1986 Jan;93(1):28–30

Prophylactic phenoxybenzamine in the prevention of postoperative retention of urine after vaginal repair: a prospective randomized double–blind trial. Lose G, et al. **Int J Gynaecol Obstet** 1985 Sep;23(4):315–20

Self catheterization: urinary complications and the social resettlement of spinal cord injured patients. Berard E, et al. **Paraplegia** 1985 Dec;23(6):386

[Methenamine hippurate VUFB and mandelamine VUFB in the prevention of recurrent dysuria in women] Horčičková M, et al. **Cas Lek Cesk** 1986 Jul 4;125(27):849–53 (Eng. Abstr.) **(Cze)**

PSYCHOLOGY

[Sexuality and micturition disorders] Diederichs P. **Gynakologe** 1986 Mar;19(1):37–41 **(Ger)**

[A problem case in urologic consultation: symptoms of so–called irritable bladder in the female] Günthert EA. **Urologe [A]** 1986 Mar;25(2):82–3 (Eng. Abstr.) **(Ger)**

[Psychosomatic aspects of irritable bladder. A review] Huppertz BJ. **Urologe [A]** 1986 Mar;25(2):84–9 (Eng. Abstr.) **(Ger)**

[Three cases of psychogenic urinary retention in female] Fukui J, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Oct; 76(10):1561–6 (Eng. Abstr.) **(Jpn)**

[Psychogenic urinary retention—pathogenesis, pathophysiology, diagnosis and treatment] Yamanishi T, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Oct; 76(10):1567–72 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Retention secondary to urethral stricture in the female. Merimsky E. **Urology** 1985 Dec;26(6):598

SURGERY

Bilateral rectus femoris pedicle flaps for detrusor augmentation in the prune belly syndrome. Messing EM, et al. **J Urol** 1985 Dec;134(6):1202–5

[Short–term antibiotic prevention of inflammatory complications of transurethral operations] Ukhin AV. **Urol Nefrol (Mosk)** 1986 Mar–Apr;(2):21–3 (Eng. Abstr.) **(Rus)**

THERAPY

The use of hypnosis and paradox in the treatment of a case of chronic urinary retention/"bashful bladder" Mozdzierz GJ. **Am J Clin Hypn** 1985 Jul;28(1):43–7

Repeated bladder distension by the Cystomat in the treatment of detrusor instability. Stimpel H, et al. **Br J Urol** 1984 Jun;56(3):285–8

ABC of spinal cord injury. Urological management. Grundy D, et al. **Br Med J [Clin Res]** 1986 Jan 25;292(6515):249–53

Voiding problems in women. One physician's perspective on evaluation and therapy. Giesy JD. **Postgrad Med** 1986 Jan; 79(1):271–8

Bladder instability: concept, clinical associations and treatment. Abrams P. **Scand J Urol Nephrol [Suppl]** 1984; 87:7–12

Transcutaneous electrical nerve stimulation in urinary retention. Crocker M, et al. **South Med J** 1985 Dec; 78(12):1515–6

[Spontaneous urinary extravasation due to chronic ureteral obstruction] Konami T, et al. **Hinyokika Kiyo** 1985 Oct; 31(10):1801–6 (Eng. Abstr.) **(Jpn)**

[Therapy of vesical dysfunction in the Shy–Drager syndrome] Hattori T, et al. **No To Shinkei** 1985 Jul; 37(7):671–4 **(Jpn)**

URINE

Urinalysis and urine culture in women with dysuria. Komaroff AL. **Ann Intern Med** 1986 Feb;104(2):212–8

URINE

see related
ALBUMINURIA
ALKAPTONURIA
ANURIA
BACTERIURIA
CYSTINURIA
GLYCOSURIA

HEMATURIA
HEMOGLOBINURIA
MAPLE SYRUP URINE DISEASE
PHENYLKETONURIA
POLYURIA
PROTEINURIA
PYURIA

Effect of urinary alkalinization on the intrarenal formation of kinins. Brukman J, et al. **Am J Physiol** 1985 Dec;249(6 Pt 2):F827–31

Measurement of urinary constituents and output using disposable napkins. Roberts SB, et al. **Arch Dis Child** 1985 Nov;60(11):1021–4

Comparison of hydrometry, refractometry, osmometry and Ames N-Multistix SG in estimation of urinary concentration. McCrossin T, et al. **Aust Paediatr J** 1985 Aug;21(3):185–8

Giant urinoma. Kiff RS, et al. **Br J Clin Pract** 1986 Jan; 40(1):32–3

Investigation by the Ames test of urine samples from rats exposed to methyl isocyanate. Anderson D, et al. **Br J Ind Med** 1986 Aug;43(8):566–7

Recurrent transudative effusion with an abdominal mass. Urinothorax. Nusser RA, et al. **Chest** 1986 Aug;90(2):263–4

Li as exogenous marker for urine volume determinations [letter] Larsen CE. **Clin Chem** 1986 Jan;32(1 Pt 1):222

Detection of urinary extravasation by delayed technetium-99m DTPA renal imaging. Taki J, et al. **Clin Nucl Med** 1986 Aug;11(8):583–4

Autodialysis in neonatal urinary ascites. Fleisher DS, et al. **Clin Pediatr (Phila)** 1985 Dec;24(12):724–6

Influence of pH and human urine on the antibacterial activity of ciprofloxacin, norfloxacin and ofloxacin. Zeiler HJ. **Drugs Exp Clin Res** 1985;11(5):335–8

A new urine bag—'Urobag' [letter] Simon D, et al. **Eur Urol** 1985;11(4):288

The use of voided urine temperature in the determination of basal body temperature. Brenner SH, et al. **Fertil Steril** 1985 Oct;44(4):536–8

Mortality in relation to urinary characteristics in the very aged. Heinämäki P, et al. **Gerontology** 1986;32(3):167–71

A multi-centre study on completeness of urine collection in 11 European centres. I. Some problems with the use of creatinine and 4-aminobenzoic acid as markers of the completeness of collection. Knuiman JT, et al. **Hum Nutr Clin Nutr** 1986 May;40(3):229–37

Boric acid in preservation of urine. Riddhimat R, et al. **J Med Assoc Thai** 1985 Sep;68(9):473–9

Bilateral urinothorax identified by technetium-99m DPTA renal imaging. Ralston MD, et al. **J Nucl Med** 1986 Jan; 27(1):56–9

Urinary pH and urine flow independent renal clearance of methotrexate in dogs. Lui CY, et al. **J Pharmacokinet Biopharm** 1985 Apr;13(2):159–71

The effect of monosodium urate on the capacity of urine, chondroitin sulphate and heparin to inhibit calcium oxalate crystal growth and aggregation. Ryall RL, et al. **J Urol** 1986 Jan;135(1):174–7

Urinothorax: report of 4 cases and review of the literature. Salcedo JR. **J Urol** 1986 Apr;135(4):805–8 (23 ref.)

Effects of human urine on aggregation of calcium oxalate crystals. Springmann KE, et al. **J Urol** 1986 Jan; 135(1):69–71

Perirenal urinoma secondary to prostatic obstruction. Urbain D, et al. **J Urol** 1985 Nov;134(5):967–8

Urine temperature and core temperature [letter] Ehrenkranz JR. **JAMA** 1986 Apr 11;255(14):1880–1

Chronopharmacological study of furosemide in rats. Fujimura A, et al. **Life Sci** 1986 Mar 31;38(13):1215–20

A new method for measuring body temperature. Ehrenkranz JR. **NJ Med** 1986 Feb;83(2):93–6

Incomplete 24 h urine collections [letter] Townsend JC. **NZ Med J** 1986 Apr 23;99(800):292

Bladder injury and uroascites from umbilical artery catheterization. Dmochowski RR, et al. **Pediatrics** 1986 Mar;77(3):421–2

Long term effects on activity in female mice following exposure to urine from lactating mothers. Cowley JJ, et al. **Physiol Behav** 1986 Jan;36(1):115–21

Responses to conspecifics' urine by the degu (Octodon degus). Fischer RB, et al. **Physiol Behav** 1985 Jun; 34(6):999–1001

Effect of gentamicin on urinary acidification in the rat. Silva VL, et al. **Renal Physiol** 1986;9(4):204–12

Post-parturition and late lactation urine: long-term effects of exposure on mouse activity and sniffing behaviour. Cowley JJ, et al. **Reprod Nutr Dev** 1986;26(1A):113–26

Pneumaturia caused by alcoholic fermentation. A case report. Gasser F, et al. **Scand J Urol Nephrol** 1985;19(4):297–8

Analysis of peritoneal fluid in urinary ascites. Arnold WC, et al. **South Med J** 1986 May;79(5):591–4

Relationship between pelviureteral peristaltic frequency and urine flow change evoked by autonomic drug administration. Morita T, et al. **Tohoku J Exp Med** 1985 Jul;146(3):265–71

Changes in the ureteral peristaltic rate and the bolus volume in gradual and rapid urinary flow increase. Saeki H, et al. **Tohoku J Exp Med** 1985 Jul;146(3):273–5

Urine drinking [letter] Manser PA, et al. **Vet Rec** 1985 Aug 3;117(5):114

Rhodamine B ingestion as a cause of fluorescent red urine. Kelner MJ. **West J Med** 1985 Oct;143(4):523–4

[Spontaneous peri-renal urinoma] Bouffioux C, et al. **Acta Urol Belg** 1985;53(3):507–13 (Eng. Abstr.) (Fre)

[The pad test. Quantitative evaluation of urinary incontinence] Opsomer RJ, et al. **Acta Urol Belg** 1985; 53(3):558–61 (Eng. Abstr.) (Fre)

[Echographic measurement of post-micturition urine volume: description of a simplified method for use in gynecology and obstetrics] Extermann P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1985;14(7):861–5 (Eng. Abstr.) (Fre)

[Evaluation of the effect of the acute administration and long-term use of oligomineral water diuresis and the specific gravity of the urine] Fianchini A, et al. **Clin Ter** 1985 Sep 30;114(6):525–31 (Eng. Abstr.) (Ita)

[On the increased night urine flow and water balance under helium-oxygen high pressure] Tomiyasu K, et al. **Ann Physiol Anthropol** 1985 Apr;4(2):163–7 (Eng. Abstr.) (Jpn)

[Six cases of spontaneous peripelvic extravasation from the renal pelvis] Kinoshita N, et al. **Hinyokika Kiyo** 1985 Jul; 31(7):1171–82 (Eng. Abstr.) (Jpn)

[Studies on the function of the upper urinary tract. XXI. Urine transporting ability in the aperistaltic pelvi-ureteral system in dogs] Akasaka T, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Jun;76(6):859–64 (Eng. Abstr.) (Jpn)

[A case of urinothorax] Takase K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Sep; 23(9):1059–64 (Eng. Abstr.) (Jpn)

[A case of idiopathic urinoma successfully treated by transcatheter arterial embolization] Nakamura K, et al. **Rinsho Hoshasen** 1986 Apr;31(4):547–50 (Eng. Abstr.) (Jpn)

[Urinoma or pararenal pseudocyst: contribution of 2 cases] Sánchez Chapado MV, et al. **Arch Esp Urol** 1986 Apr; 39(3):205–10 (Eng. Abstr.) (Spa)

ANALYSIS

A guide to Tibetan medical urinalysis. Rapgay L. **Acupunct Electrother Res** 1986;11(1):25–43

Inhibition of benzodiazepine receptor binding by urinary extracts: effect of ethanol. Volicer L, et al. **Alcoholism (NY)** 1985 Sep–Oct;9(5):407–10

Performance of a urine-screening protocol. Loo SY, et al. **Am J Clin Pathol** 1986 Apr;85(4):479–84

Estimation of quantitative proteinuria in the dog, using the urine protein–to–creatinine ratio from a random, voided sample. Grauer GF, et al. **Am J Vet Res** 1985 Oct; 46(10):2116–9

Urinalysis and urine culture in women with dysuria. Komaroff AL. **Ann Intern Med** 1986 Feb;104(2):212–8

Osmolal gaps in urine. Evans JR. **Clin Chem** 1986 Jul; 32(7):1415

Urinalysis: its proper role in the physician's office. Free AH, et al. **Clin Lab Med** 1986 Jun;6(2):253–66

Dry chemistry: its expanded role in doctor's office testing. Free HM, et al. **Clin Lab Med** 1986 Jun;6(2):267–71

Effect of short-term cyclosporine A administration on urinary acidification. Batlle DC, et al. **Clin Nephrol** 1986; 25 Suppl 1:S62–9

Acceleration and delay of puberty in female mice via urinary chemosignals: age of the urine stimulus. Drickamer LC. **Dev Psychobiol** 1986 Mar;19(2):155–61

Urinalysis. Sheets C, et al. **Emerg Med Clin North Am** 1986 May;4(2):263–80 (97 ref.)

Biochemical variables in plasma and urine before and after prolonged physical exercise. Lijnen P, et al. **Enzyme** 1985; 33(3):134–42

Absence of mutagenicity in the urine of autopsy service workers exposed to formaldehyde: factors influencing mutagenicity testing of urine. Connor TH, et al. **Int Arch Occup Environ Health** 1985;56(3):225–37

A comparative study of the allergens of cat urine, serum, saliva, and pelt. Anderson MC, et al. **J Allergy Clin Immunol** 1985 Oct;76(4):563–9

Multi-centre evaluation of the urine test strip analyser Rapimat. Haeckel R, et al. **J Clin Chem Clin Biochem** 1985 Aug;23(8):473–92

ABO typing studies on liquid urines. Chase MG. **J Forensic Sci** 1986 Jul;31(3):881–5

A clinico-pathological study on dental treatment for the handicapped patient. Otake S, et al. **J Nihon Univ Sch Dent** 1985 Dec;27(4):228–32

Estimation of urine specific gravity in neonates with a reagent strip. Assadi FK, et al. **J Pediatr** 1986 Jun;108(6):995–6

Inaccuracy in neonatal measurement of urine concentration with a refractometer. Benitez OA, et al. **J Pediatr** 1986 Apr;108(4):613–6

Is the refractometer specific gravity a reliable index for pediatric fluid management? Rowe MI, et al. **J Pediatr Surg** 1986 Jul;21(7):580–2

The inhibitory effect of human urine on urease-induced crystallization in vitro. Grenabo L, et al. **J Urol** 1986 Feb; 135(2):416–9

The effects of urease in undiluted human urine. Hedelin H, et al. **J Urol** 1986 Sep;136(3):743–5

Modifiers of calcium oxalate crystallization found in urine. III. Studies on the role of Tamm-Horsfall mucoprotein and of ionic strength. Scurr DS, et al. **J Urol** 1986 Aug; 136(2):505–7

Procoagulant activity in normal human urine associated with subcellular particles. Wiggins RC, et al. **Kidney Int** 1986 Feb;29(2):591–7

Intact ability to lower urine pH in nonacidotic adrenalectomized rats. Mujais SK, et al. **Miner Electrolyte Metab** 1986;12(2):107–12

A prospective study of routine dipstick urinalysis in acute medical admissions to Middlemore Hospital [letter] Isaacs RD. **NZ Med J** 1986 Jun 25;99(804):467

Screening for urinary tract infection using Bac-T-Screen bacteriuria device. Khanna OP, et al. **Urology** 1986 May; 27(5):424–8

Observation of drug metabolites and endogenous compounds in human urine by 1H nuclear magnetic resonance spectroscopy. Coleman MD, et al. **Xenobiotica** 1986 Jan; 16(1):69–77

[Detection of urinary substances in stains from amniotic fluid, urine and the blood of pregnant women using thin-layer chromatography] Strejc P, et al. **Soud Lek** 1986 Mar; 31(1):5–7 (Eng. Abstr.) (Cze)

[The specific gravity of urine determined with a colorimetric strip. A clinical trial] Malling B, et al. **Ugeskr Laeger** 1986 Apr 28;148(18):1086–9 (Eng. Abstr.) (Dan)

[Electrophoresis of urinary proteins on SDS-polyacrylamide gel, without preliminary concentration] Coquelin H, et al. **Pathol Biol (Paris)** 1986 Jan;34(1):71–4 (Eng. Abstr.) (Fre)

[Nephrological tests: normal values] Claeys V, et al. **Rev Med Suisse Romande** 1985 Nov;105(11):959–68 (Fre)

[The role of colorimetry strips in routine urine analysis in ambulatory practice] Bonard C, et al. **Schweiz Med Wochenschr** 1986 Mar 15;116(11):338–41 (Eng. Abstr.) (Fre)

[Use of solid reagent carriers for determining the specific gravity of urine] Ochab D, et al. **Biomed Tech (Berlin)** 1985 Oct;30(10):261–3 (Eng. Abstr.) (Ger)

[Questionable significance of the chemical analysis of a single 24-hour urine sample in recurrent calcium oxalate nephrolithiasis] Riess C, et al. **Klin Wochenschr** 1986 May 2;64(9):411–6 (Eng. Abstr.) (Ger)

[Circadian rhythms of lithogenic and inhibitory substances in the urine] Ebisuno S, et al. **Hinyokika Kiyo** 1986 May; 32(5):667–71 (Eng. Abstr.) (Jpn)

[Indices of biological monitoring, with special reference to urinalysis of metabolites of organic solvents] Ogata M. **Sangyo Igaku** 1985 Jul;27(4):229–41 (Eng. Abstr.) (Jpn)

[Screening urine test in the program of prenatal care] Tomaszewski L, et al. **Pol Tyg Lek** 1985 Jun 3;40(22):640–4 (Pol)

[Use of urine tests in a rural health center] Tyszko P, et al. **Pol Tyg Lek** 1986 Jan 13;41(2):62–4 (Eng. Abstr.) (Pol)

[Thin-layer chromatography in the rapid diagnosis of acute drug poisoning in children] Kuznetsova NI. **Lab Delo** 1985; (8):490–2 (Eng. Abstr.) (Rus)

CYTOLOGY

Intranuclear inclusions in urinary cytology. Rouse BA, et al. **Acta Cytol (Baltimore)** 1986 Mar–Apr;30(2):105–9

Dipstick testing of urine—can it replace urine microscopy? Morrison MC, et al. **Am J Clin Pathol** 1986 May; 85(5):590–4

Office microscopy of urine. Carroll JR. **Aust Fam Physician** 1986 Mar;15(3):314–6

Significance of dipstick haematuria. 1. Correlation with microscopy of the urine. Arm JP, et al. **Br J Urol** 1986 Apr;58(2):211–7

Prognostic significance of urine cytology on initial follow-up after intravesical mitomycin C for superficial bladder cancer. Cant JD, et al. **Cancer** 1986 Jun 1;57(11):2119–22

Urine cytology in the detection of renal adenocarcinoma. Piscioli F, et al. **Cancer** 1985 Nov 1;56(9):2251–5

Urinary cytology in diagnostic pathology. Murphy WM. **Diagn Cytopathol** 1985 Jul–Sep;1(3):173–5

Occurrence of yellow and blue-green fluorescence exhibited by renal tubular cells, red blood cells, and lymphocytes found in urinary sediments of renal allograft recipients immunosuppressed with cyclosporin A [letter] Nobbs GL. **J Clin Pathol** 1986 Jan;39(1):116

Preparation of urine microscopic slides by double cover slips technique. Asaawamahasakda W, et al. **J Med Assoc Thai** 1986 Jan;69(1):53–5

How accurate is urine cytology? Curling M, et al. **J R Soc Med** 1986 Jun;79(6):336–8

Normal human urothelial cells in culture. Subculture procedure, flow cytometric and chromosomal analyses. Herz F, et al. **Lab Invest** 1985 Nov;53(5):571–4

Screening test for Y chromosome in newborn using urinary epithelial cells [letter] Baccichetti C, et al. **Lancet** 1971 Dec 11;2(7737):1328

Diuretic potentiation of shedding of renal progenitor cells [letter] Ellem KA, et al. **Lancet** 1985 Oct 26;2(8461):946–7

Voided urine in cytologic screening for female genital cancer. Graham RM, et al. **Obstet Gynecol** 1967 Aug;30(2):253–6

Differential diagnosis of acute allograft rejection and CMV-infection in renal transplantation by urinary cytology. Winkelmann M, et al. **Pathol Res Pract** 1985 Aug; 180(2):161–8

Urine cytology in relation to urinary tract malignancies in renal transplant patients. Kootte AM, et al. **Transplantation** 1986 Jul;42(1):93–4

Value of urinary sediment in the diagnosis of interstitial rejection in renal transplants. Sandoz PF, et al.

Transplantation 1986 Mar;41(3):343–8
[Urinary cytodiagnosis: usefulness, difficulties. Apropos of 1000 urinary smears with histopathological correlation] Vieillefond A, et al. Arch Anat Cytol Pathol 1986;34(1):51–7 (Eng. Abstr.) (Fre)
[Usefulness of urine test strips for the detection of leukocyturia as a screening study in sow herds] Petersen B. DTW 1985 Jul 24;92(7–8):266–70 (Eng. Abstr.) (Ger)
[Possibilities and departure points for quantitative cytologic evaluation of urothelial cells for cancer diagnosis using microscopic procedures and digital image processing] Kolle P, et al. Urologe [A] 1985 Nov;24(6):301–4 (Eng. Abstr.) (Ger)
[Urinary cytology in symptomatic subjects: cyto–histological comparison in 124 cases] Pisa R, et al. Pathologica 1985 Jul–Aug;77(1050):409–16 (Eng. Abstr.) (Ita)
[Follow–up cytology in the management of urotheliomas] Kawachi Y, et al. Hinyokika Kiyo 1986 Apr;32(4):527–31 (Eng. Abstr.) (Jpn)
[Morphologic study of microscopic hematuria using phase contrast microscopy] Sato K, et al. Hinyokika Kiyo 1986 May;32(5):673–7 (Eng. Abstr.) (Jpn)
[Evaluation of urinary cytology for upper urinary tract disease] Takeuchi T, et al. Hinyokika Kiyo 1986 Feb;32(2):177–82 (Eng. Abstr.) (Jpn)
[Scanning electron microscopic exfoliative cytology in patients having malignant or non–malignant urothelial diseases] Suzuki T, et al. Nippon Hinyokika Gakkai Zasshi 1986 Feb;77(2):233–42 (Eng. Abstr.) (Jpn)
[Cytologic analysis of urine in the diagnosis of urothelial carcinoma] Znidarčić Z, et al. Lijec Vjesn 1985 Oct;107(10):447–9 (Eng. Abstr.) (Ser)

ENZYMOLOGY

Renal function and enzymatic studies of the urine in patients on a long–term lithium therapy. Astrug A, et al. Przegl Lek 1985;42(3):361–3
[Urine enzyme activities in chronic renal diseases] Precht K, et al. Przegl Lek 1985;42(3):364–6 (Eng. Abstr.) (Ger)

METABOLISM

Lower intestinal modification of ureteral urine in hydrated house sparrows. Goldstein DL, et al. Am J Physiol 1986 Jan;250(1 Pt 2):R89–95
Modifiers of calcium oxalate crystallization found in urine. II. Studies on their mode of action in an artificial urine. Scurr DS, et al. J Urol 1986 Jul;136(1):128–31

MICROBIOLOGY

Rapid identification of Escherichia coli from routine urine specimens based on macroscopic criteria. Jenum PA. Acta Pathol Microbiol Immunol Scand [B] 1985 Dec;93(6):407–10
Quantitative urine culture in patients with urinary tract infection and bacteremia. Roberts FJ. Am J Clin Pathol 1986 May;85(5):616–8
Comparison of visual and photometric Bac–T–Screen results. Wright DN, et al. Am J Clin Pathol 1986 May;85(5):622–5
Failure of the urinalysis and quantitative urine culture in diagnosing symptomatic urinary tract infections in patients with long–term urinary catheters. Steward DK, et al. Am J Infect Control 1985 Aug;13(4):154–60
Efficacy of chlorhexidine cleansing in reducing contamination of bagged urine specimens. MacDonald NE, et al. Can Med Assoc J 1985 Dec 15;133(12):1211–3
Mecillinam—an in–vitro evaluation of antibacterial action against 'coliform' isolates from urine. Atukorala SD, et al. Ceylon Med J 1985 Mar;30(1):43–6
Direct antimicrobial susceptibility testing of urines positive in the MS–2 urine screening program. Doyle PW, et al. Diagn Microbiol Infect Dis 1986 Mar;4(3):267–71
Automated instrument approaches to clinical microbiology. Pfaller MA. Diagn Microbiol Infect Dis 1985 Nov;3(6 Suppl):15S–23S
In vitro adhesion of urinary & bowel Escherichia coli from patients with urinary tract infection. Singh R, et al. Indian J Med Res 1986 Apr;83:363–8
When should we use urine cultures? Stamm WE. Infect Control 1986 Aug;7(8):431–3
Technique for the culture and direct sensitivity testing or large numbers of urine specimens. Cheetham P, et al. J Clin Pathol 1986 Mar;39(3):335–7
An interesting problem of strain identification with urinary isolates of Escherichia coli. Crichton PB, et al. J Hosp Infect 1986 Jan;7(1):34–41
Stored urine as a reservoir of gentamicin–resistant bacteria and as a site of conjugative R–plasmid transfer. Nagano Y, et al. J Hosp Infect 1985 Sep;6(3):245–51
The osmoprotective properties of urine for bacteria: the protective effect of betaine and human urine against low pH and high concentrations of electrolytes, sugars, and urea. Chambers S, et al. J Infect Dis 1985 Dec;152(6):1308–16
Detection of human cytomegalovirus in urine by DNA–DNA and RNA–DNA hybridization. Schuster V, et al. J Infect Dis 1986 Aug;154(2):309–14
Direct detection of the human papovavirus BK in urine of bone marrow transplant recipients: comparison of DNA hybridization with ELISA. Arthur RR, et al. J Med Virol 1985 May;16(1):29–36
Detection of cytomegalovirus by ELISA in urine samples is inhibited by beta 2 microglobulin. McKeating JA, et al. J Med Virol 1986 Apr;18(4):341–8
Accuracy of standard urinalysis in predicting culture results. Wright RA, et al. J Natl Med Assoc 1986 Jan;78(1):43–8
Urologic evaluation of urinary tract infection in pregnancy. Diokno AC, et al. J Reprod Med 1986 Jan;31(1):23–6
Value of a screening urinalysis in pregnancy. Sosson AP, et al. J Reprod Med 1985 Aug;30(8):588–90
Streptococci as urinary pathogens. Collins LE, et al. Lancet 1986 Aug 30;2(8505):479–81
Isolation of salmonella from unusual sites in the body. Jegathesan M. Med J Malaysia 1984 Dec;39(4):289–91
Standardization and demonstration of antibody–coated Candida in urine by direct immunofluorescence test. Taiwar P, et al. Mycopathologia 1986 Apr;94(1):39–44
Association of BK viruria with hemorrhagic cystitis in recipients of bone marrow transplants. Arthur RR, et al. N Engl J Med 1986 Jul 24;315(4):230–4
[Pipemidinic acid as a urinary antiseptic—microbiological and clinical study] Minkov N, et al. Vutr Boles 1985;24(5):46–53 (Eng. Abstr.) (Bul)
[In vitro sensitivity of 39 strains of Pseudomonas aeruginosa isolated from urine culture of hospitalized patients] Vanni M, et al. Minerva Med 1986 Jun 30;77(27):1289–92 (Eng. Abstr.) (Ita)
[Urinary tract infections in childhood: importance of immediate urine culture. Personal experience with 4176 tests] Tucci F, et al. Pediatr Med Chir 1985 Jan–Feb;7(1):121–3 (Eng. Abstr.) (Ita)
[Bacteria and leukocyte count in the urine in the diagnosis of urinary tract infections] Vangone G, et al. Pediatr Med Chir 1985 Jan–Feb;7(1):125–9 (Eng. Abstr.) (Ita)
[The Autobac MTS system] Picerno G, et al. Quad Sclavo Diagn 1985 Mar;21(1):44–6 (Eng. Abstr.) (Ita)
[The statistical observation of microbial isolated from the urine. The comparison between monomicrobial and polymicrobial isolation] Sawahata T, et al. Kansenshogaku Zasshi 1985 Jun;59(6):571–9 (Eng. Abstr.) (Jpn)
[Identification of non–sporoforming anaerobic bacteria in urine cultures and their significance] Lugo G, et al. Rev Latinoam Microbiol 1985 Jul–Sep;27(3):183–90 (Eng. Abstr.) (Spa)

PATHOLOGY

Diagnostic value of cytology of voided urine. Koss LG, et al. Acta Cytol (Baltimore) 1985 Sep–Oct;29(5):810–6
Immunocytochemical diagnosis of lymphoma from urine sediment. Yam LT, et al. Acta Cytol (Baltimore) 1985 Sep–Oct;29(5):827–32

PHYSIOLOGY

Effects of urine from females in oestrus on puberty in female mice. Drickamer LC. J Reprod Fertil 1986 Jul;77(2):613–22
Female urinary chemosignals influence scent–marking behavior in male Mongolian gerbils (Meriones unguiculatus). Probst B. Z Naturforsch [C] 1985 Nov–Dec;40(11–12):936–8

URINE CONCENTRATING ABILITY see **KIDNEY CONCENTRATING ABILITY**

UROBILINOGEN

URINE

Estimation of urine urobilinogen in cases of malarial pyrexia. Khan MQ, et al. J Indian Med Assoc 1985 Dec;83(12):406–8

UROCANASE see under **HYDRO–LYASES**

UROCANIC ACID see under **IMIDAZOLES**

UROCHORDATA

ANALYSIS

Fc receptor–independent phagocytosis by mouse macrophages of erythrocytes sensitized with a lectin from a marine invertebrate. Coombe DR, et al. Aust J Exp Biol Med Sci 1986 Apr;64 (Pt 2):105–18
Galactose–specific lectin in the hemolymph of solitary ascidian, Halocynthia roretzi. Molecular, binding and functional properties. Yokosawa H, et al. Biochim Biophys Acta 1986 Mar 28;870(2):242–7
Isolation, fractionation, and preliminary characterization of a novel class of sulfated glycans from the tunic of Styela plicata (Chordata Tunicata). Albano RM, et al. J Biol Chem 1986 Jan 15;261(2):758–65
Galactosyl–binding lectins from the tunicate Didemnum candidum. Carbohydrate specificity and characterization of the combining site. Vasta GR, et al. J Biol Chem 1986 Jul 15;261(20):9182–6
Galactosyl–binding lectins from the tunicate Didemnum candidum. Purification and physicochemical characterization. Vasta GR, et al. J Biol Chem 1986 Jul 15;261(20):9174–81
Carotenoids of tunicates. III. The structural elucidation of two new marine carotenoids, amarouciaxanthin A and B. Matsuno T, et al. J Nat Prod 1985 Jul–Aug;48(4):606–13

CYTOLOGY

Morphological and physiological properties of non–striated muscle from the tunicate, Ciona intestinalis: parallels with vertebrate skeletal muscle. Nevitt G, et al. Tissue Cell 1986;18(3):341–60

EMBRYOLOGY

Cytoplasmic determinants for cell lineage specification in ascidian embryos. Uzman JA, et al. Cell Differ 1986 Jun;18(4):215–24 (51 ref.)
Differentiation without cleavage: multiple cytospecific ultrastructural expressions in individual one–celled ascidian embryos. Crowther RJ, et al. Dev Biol 1986 Sep;117(1):114–26
The influence of tunichrome and other reducing compounds on tunic and fin formation in embryonic Ascidia callosa Stimpson. Robinson WE, et al. J Exp Zool 1986 Jan;237(1):63–72

ENZYMOLOGY

Trypsin–like enzyme from eggs of the ascidian (protochordate), Halocynthia roretzi. Purification, properties, and physiological role. Sawada H, et al. J Biol Chem 1985 Dec 15;260(29):15694–8

IMMUNOLOGY

Phylogenetic conservation of heavy chain determinants of vertebrates and protochordates. Rosenshein IL, et al. Dev Comp Immunol 1985 Fall;9(4):783–95

METABOLISM

Isolation of tunichrome B–1, a reducing blood pigment of the sea squirt, Ascidia nigra. Bruening RC, et al. J Nat Prod 1986 Mar–Apr;49(2):193–204
Antineoplastic agents, 116. An evaluation of the marine ascidian Aplidium californicum. Pettit GR, et al. J Nat Prod 1986 Mar–Apr;49(2):231–5

PHYSIOLOGY

Characterization of substance P–like immunoreactivity in submammalian species by high performance liquid chromatography. Lembeck F, et al. Peptides 1985;6 Suppl 3:231–6
Ultrastructural and experimental investigations of sperm–egg interactions in the ascidian, Phallusia mamillata. Honegger TG. Prog Clin Biol Res 1986;217B:85–9
Sperm–egg interaction and fusion in fertilization. Monroy A, et al. Prog Clin Biol Res 1986;217B:57–68

URODELA

ANATOMY & HISTOLOGY

Comparative features of the surface morphology of the basilar papilla in five families of salamanders (Amphibia; Caudata). White JS. J Morphol 1986 Feb;187(2):201–17

BLOOD

Volume regulation by Amphiuma red blood cells: cytosolic free Ca and alkali metal–H exchange. Cala PM, et al. Am J Physiol 1986 Mar;250(3 Pt 1):C423–9
Plasma T4 and T3 levels in naturally metamorphosing Eurycea bislineata (Amphibia; Plethodontidae). Alberch P, et al. Gen Comp Endocrinol 1986 Jan;61(1):153–63

GENETICS

Cytophotometric evidence of variation in genome size of desmognathine salamanders. Hally MK, et al. Histochemistry 1986;85(3):185–92

GROWTH & DEVELOPMENT

The fate of larval chondrocytes during the metamorphosis of the epibranchial in the salamander, Eurycea bislineata. Alberch P, et al. J Embryol Exp Morphol 1985 Aug;88:71–83
Scanning electron microscopic observations on the early development of the spinal ganglia in salamander larvae. Hirano S, et al. Okajimas Folia Anat Jpn 1986 Mar;62(6):385–97

METABOLISM

Functional heterogeneity in the early distal tubule of the Amphiuma kidney: evidence for two modes of Cl– and K+ transport across the basolateral cell membrane. Guggino WB. Am J Physiol 1986 Mar;250(3 Pt 2):F430–40
Adrenergic agents stimulate and cholinergic agents inhibit H+ secretion by amphibian jejunum. White JF, et al. Am J Physiol 1986 Sep;251(3 Pt 1):G405–12
[Endogenous substances of fire and Alpine salamanders] Becker H. Pharm Unserer Zeit 1986 Jul;15(4):97–106 (Ger)

PHYSIOLOGY

Trends in the functional morphology and sensorimotor control of feeding behavior in salamanders: an example of

the role of internal dynamics in evolution. Roth G, et al. **Acta Biotheor (Leiden)** 1985;34(2-4):175-91

Relation between light responses and dendritic branching in the salamander ganglion cells. Vallerga S, et al. **Exp Biol** 1986;45(2):81-90

Effect of thermal acclimation on locomotor energetics and locomotor performance in a lungless salamander, Desmognathus ochrophaeus. Feder ME. **J Exp Biol** 1986 Mar;121:271-83

URODYNAMICS

Importance of the urodynamic examination of aged patients. Szüle E, et al. **Acta Chir Hung** 1986;27(1):45-51

Quantification of urethral closure function by SUI threshold after pubococcygeal sling operation. Kujansuu E, et al. **Ann Chir Gynaecol [Suppl]** 1985;197:19-22

A computerised urodynamic system. Best BG, et al. **Br J Urol** 1986 Jun;58(3):327-31

Improved presentation of data in a urodynamics clinic by use of a microcomputer. Crawford AJ, et al. **Br J Urol** 1985 Dec;57(6):660-3

The radiological and urodynamic significance of large bladder diverticula. Wilson B, et al. **Clin Radiol** 1985 Sep; 36(5):521-4

The effect of thigh muscle reconditioning by electrical stimulation on urodynamic activity in SCI patients. Wheeler JS Jr, et al. **J Am Paraplegia Soc** 1986 Jan-Apr; 9(1-2):16-23

Clinical evaluation of patients with prostatic obstruction: correlation of flow rates with voided, residual or total bladder volume. Drach GW, et al. **J Urol** 1986 Apr; 135(4):737-40

Refractoriness of urethral striated sphincter during voiding: studies with afferent pudendal reflex arc stimulation in male subjects. Dyro FM, et al. **J Urol** 1986 Apr;135(4):732-6

Late urodynamic findings after surgery for cauda equina syndrome caused by a prolapsed lumbar intervertebral disk. Hellström P, et al. **J Urol** 1986 Feb;135(2):308-12

Isometric detrusor pressure in the male patient: a comparison between voluntary urethral sphincter contraction and forced penile compression techniques. Morita M, et al. **J Urol** 1985 Dec;134(6):1161-5

Urological evaluation in the Shy Drager syndrome. Salinas JM, et al. **J Urol** 1986 Apr;135(4):741-3

The value of urodynamic testing in the management of neonates with myelodysplasia: a prospective study. Sidi AA, et al. **J Urol** 1986 Jan;135(1):90-3

Urodynamic evaluation of lower urinary tract function in the neurogenic bladder. Mahamooth Z, et al. **Med J Malaysia** 1985 Jun;40(2):120-4

Evaluation of the pelvioureteral function through a new urine bolusmetry: simultaneous measurement of urine bolus volume and electroureterogram. Harada T, et al. **Nippon Heikatsukin Gakkai Zasshi** 1985 Dec;21(6):467-80

The estimation of urine bolus volume for patients with congenital hydronephrosis. Harada T, et al. **Nippon Heikatsukin Gakkai Zasshi** 1985 Dec;21(6):455-66

Gynecologic and urodynamic evaluation of women with urinary incontinence. Benson JT. **Obstet Gynecol** 1985 Nov;66(5):691-4

Urodynamic changes in urethrovesical function after radical hysterectomy. Scotti RJ, et al. **Obstet Gynecol** 1986 Jul; 68(1):111-20

Clinical significance of urethral instability. Weil A, et al. **Obstet Gynecol** 1986 Jul;68(1):106-10

Some clinical aspects of uroflowmetry in elderly males. A population survey. Jensen KM, et al. **Scand J Urol Nephrol** 1986;20(2):93-9

Uroflowmetry in neurologically normal children with voiding disorders. Jensen KM, et al. **Scand J Urol Nephrol** 1985;19(2):81-4

Dynamics of the urinary tract in longterm vesico-ureteral reflux with infravesical obstruction and infection in pigs; V. Jörgensen TM, et al. **Scand J Urol Nephrol** 1985; 19(2):113-7

Dynamics of the urinary tract during induced vesico-ureteric reflux in pigs. II. Jörgensen TM, et al. **Scand J Urol Nephrol** 1985;19(3):173-82

Dynamics of the urinary tract in longterm vesico-ureteric reflux and infravesical obstruction in pigs. IV. Jörgensen TM. **Scand J Urol Nephrol** 1985;19(3):193-202

Dynamics of spontaneous refluxing and non-refluxing ureters in pigs. I. The impact of urine flow variations. Jörgensen TM, et al. **Scand J Urol Nephrol** 1985;19(3):161-72

Dynamics of the urinary tract in longterm vesico-ureteric reflux in pigs. III. Jörgensen TM. **Scand J Urol Nephrol** 1985;19(3):183-91

The lazy bladder--appraisal of surgical reduction. Kinn AC. **Scand J Urol Nephrol** 1985;19(2):93-9

Voiding dysfunction after radical abdominal hysterectomy. Kuo HC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Oct; 84(10):1137-46

Simultaneous measurement of pressure profile and pull-through force in the urethra of 25 female patients. Bruijnes E, et al. **Urol Int** 1986;41(1):26-34

Simulation of physiological ureteral peristalsis. Graw M, et al. **Urol Int** 1986;41(1):1-8

Pressure evaluation of the antireflux ability of the rat ureterovesical junction. Vercesi LA, et al. **Urol Int** 1986; 41(3):192-5

Intra-renal reflux. Boccafoschi C, et al. **Urol Res** 1985; 13(5):253-8

Peristaltic activity in the normal renal pelvis of the pig during standardized perfusions. Frøkiaer J, et al. **Urol Res** 1985; 13(5):249-52

Reproducibility of uroflowmetry variables in elderly males. Jensen KM, et al. **Urol Res** 1985;13(5):237-9

Urodynamic appraisal of vaginal versus rectal pressure recordings as indication of intra-abdominal pressure changes. Bhatia NN, et al. **Urology** 1986 May;27(5):482-5

Predictive value of low maximum flow rate in benign prostatic hyperplasia. Dorflinger T, et al. **Urology** 1986 Jun; 27(6):569-73

Transurethral double-lumen catheter with coiled tip for urodynamic examination. Nishizawa O, et al. **Urology** 1986 Jun;27(6):554

[Profilometry in relation to lateral radiographic urethrocystography in women with urinary stress incontinence] Feyereisl J, et al. **Cesk Gynekol** 1986 Feb; 51(1):23-6 (Eng. Abstr.) (Cze)

[The significance of uroflowmetry in evaluating urination disorders in women] Zmrhal J, et al. **Cesk Gynekol** 1985 Aug;50(7):483-8 (Cze)

[Urinary incontinence] Kujansuu E. **Duodecim** 1985; 101(15):1504-11 (Fin)

[Manometric diagnosis of low neurogenic bladder. Rapid manometry or the bethanechol test?] Penders L, et al. **Acta Urol Belg** 1986;54(1):92-8 (Eng. Abstr.) (Fre)

[Sphincter resistance and stress incontinence] Penders L, et al. **Acta Urol Belg** 1985;53(3):549-57 (Fre)

[Dynamic study of miction in patients with spinal cord injuries. Comparison with cystomanometry in 50 cases] Chagnon S, et al. **J Radiol** 1985 Dec;66(12):807-14 (Eng. Abstr.) (Fre)

[Radio-urodynamic study of the lower urinary tract] Van Cangh P, et al. **J Radiol** 1985 Oct;66(10):585-9 (Eng. Abstr.) (Fre)

[Urodynamic analysis of postoperative urinary incontinence in women. Apropos of 40 cases of incontinence recurring after treatment for incontinence or secondary to treatment for prolapse] Dauplat J, et al. **Rev Fr Gynecol Obstet** 1985 Jun;80(6 Pt 2):459-65 (Eng. Abstr.) (Fre)

[Modification of bladder-induced urinary incontinence by a continence operation] Peters FD, et al. **Fortschr Med** 1985 Oct 17;103(39):910-2 (Eng. Abstr.) (Ger)

[Standardized measurement of urethral pressure with normal values in the diagnosis of stress incontinence] Eberhard J. **Geburtshilfe Frauenheilkd** 1986 Mar;46(3):145-50 (Eng. Abstr.) (Ger)

[Urodynamic parameters before and following a vaginal incontinence operation] Hetzenauer A, et al. **Geburtshilfe Frauenheilkd** 1986 Jan;46(1):27-9 (Eng. Abstr.) (Ger)

[Anterior levatorplasty in prolapse and incontinence: a clinical and urodynamic study] Kölbl H, et al. **Geburtshilfe Frauenheilkd** 1986 May;46(5):326-8 (Eng. Abstr.) (Ger)

[Urodynamic results before and after physiotherapy of women with stress incontinence] Voigt R. **Geburtshilfe Frauenheilkd** 1985 Aug;45(8):563-6 (Eng. Abstr.) (Ger)

[Are small urodynamic measuring sites able to compete?] Casper F, et al. **Gynakol Rundsch** 1985;25 Suppl 3:63-5 (Ger)

[Urinary incontinence. Urodynamic definitions] Eberhard J. **Gynakol Rundsch** 1985;25 Suppl 3:15-22 (Ger)

[Significance of the urodynamic study in the diagnosis of urinary incontinence in women] Busch R, et al. **Urol Int** 1985;40(4):235-7 (Eng. Abstr.) (Ger)

[Normal values of urine stream velocity in boys] Nürnberger N. **Z Urol Nephrol** 1985 Oct;78(10):539-44 (Eng. Abstr.) (Ger)

[Changes in the parameters of the urethral pressure profile by measuring the patient in supine and sitting position] Voigt R, et al. **Z Urol Nephrol** 1986 Jan;79(1):13-7 (Eng. Abstr.) (Ger)

[Urodynamic results before and after operative treatment of stress incontinence in the female] Voigt R, et al. **Z Urol Nephrol** 1985 Jul;78(7):357-61 (Eng. Abstr.) (Ger)

[Value of flowmetry in disorders of bladder emptying] Petri E, et al. **Zentralbl Gynakol** 1985;107(21):1307-13 (Eng. Abstr.) (Ger)

[Electromyography of the perineal plane with cutaneous electrodes in routine urodynamic examinations] Merlo F, et al. **Minerva Urol Nefrol** 1985 Apr-Jun;37(2):199-202 (Eng. Abstr.) (Ita)

[Urodynamic study of the lower urinary tract in children today] Campobasso P, et al. **Pediatr Med Chir** 1985 Sep-Oct;7(5):663-72 (Eng. Abstr.) (Ita)

[Evaluation of neurogenic bladder in patients with spinal cord injury using a CMG.EMG study and CMG.UFM.EMG study] Aoki H, et al. **Hinyokika Kiyo** 1985 Jun;31(6):937-48 (Eng. Abstr.) (Jpn)

[Uroflow metrical analysis of normal adults by male uroflow diagnostic interpretation] Mizunaga M, et al. **Hinyokika Kiyo** 1986 Mar;32(3):361-7 (Eng. Abstr.) (Jpn)

[The introduction of an urodynamic technic synchronized with videocystourethrograms and its data management] Sasaki M, et al. **Hinyokika Kiyo** 1985 Dec;31(12):2135-40 (Eng. Abstr.) (Jpn)

[Study on voiding disturbance in elderly males. II. Analysis of the patterns in uroflowmetric studies in patients with obstructive diseases in lower urinary tract and neurogenic bladder] Shimizu K, et al. **Hinyokika Kiyo** 1985 Sep; 31(9):1575-81 (Eng. Abstr.) (Jpn)

[Influence of complications of urination disorders due to status lacunaris] Murayama N, et al. **Nippon Heikatsukin Gakkai Zasshi** 1985 Aug;21(4):299-301 (Jpn)

[Pressure-flow relationship at varying degrees of ureteral obstruction] Fukuzaki A, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Jul;76(7):1015-21 (Eng. Abstr.) (Jpn)

[Urodynamic study on pediatric vesicoureteral reflux by X-ray fluoroscopic cystometry] Hiraga S, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Dec;76(12):1853-68 (Eng. Abstr.) (Jpn)

[A case of urinary undiversion: preoperative bladder evaluation by cyclic bladder hydrodilation] Kato K, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Sep;76(9):1419-24 (Eng. Abstr.) (Jpn)

[Kinetics of the prostate and urodynamics] Ooe H. **Nippon Hinyokika Gakkai Zasshi** 1985 Nov;76(11):1637-9 (Jpn)

[Studies of urodynamics. XII: A clinical study of the bulbocavernosus reflex] Park YC, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Aug;76(8):1148-53 (Eng. Abstr.) (Jpn)

[Pressure-flow study of the upper urinary tract. 1. Pressure-flow study of the normal human ureter] Takahashi K, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 May;77(5):806-12 (Eng. Abstr.) (Jpn)

[Examination routines in physiologic disorders of the lower urinary tract. Urodynamic equipment in the Scandinavian countries. Where is it--how is it used?] Fossberg E. **Nord Med** 1985;100(11):302-5 (Nor)

[Urodynamic studies in the diagnosis and treatment of altered bladder emptying following prostatic adenomectomy] Proca E, et al. **Rev Chir [Chir]** 1986 Mar-Apr;35(2):81-93 (Eng. Abstr.) (Rum)

[Function of the lower urinary tract in patients with traumatic urethral stricture] Trapeznikova MF, et al. **Urol Nefrol (Mosk)** 1986 Jan-Feb;(1):35-9 (Eng. Abstr.) (Rus)

[Unstable bladder in childhood] Rodríguez E, et al. **Rev Chil Pediatr** 1985 Jan-Feb;56(1):45-8 (Eng. Abstr.) (Spa)

DRUG EFFECTS

Renal function and lithium: a longitudinal study. DePaulo JR Jr, et al. **Am J Psychiatry** 1986 Jul;143(7):892-5

The action of intrathecal morphine and methadone on the lower urinary tract in the dog. Drenger B, et al. **J Urol** 1986 Apr;135(4):852-5

[Lower urinary tract physiology and clinical pharmacology. New aspects] Lose G, et al. **Ugeskr Laeger** 1986 Jan 20; 148(4):163-7 (27 ref.) (Eng. Abstr.) (Dan)

[Changes induced by Mictonorm in the urodynamics of the detrusor muscle in females with symptoms of the urge to urinate] Höfner K, et al. **Z Urol Nephrol** 1985 Jul; 78(7):363-70 (Eng. Abstr.) (Ger)

[Renal effects of nifedipine, a calcium antagonist, administered as anti-hypertensive drug] Yokoyama S, et al. **Nippon Jinzo Gakkai Shi** 1985 Oct;27(10):1451-7 (Eng. Abstr.) (Jpn)

UROGASTRONE see **EPIDERMAL GROWTH FACTOR-UROGASTRONE**

UROGENITAL NEOPLASMS

European Society for Urological Oncology and Endocrinology. Fourth congress. April 25-27, 1985, Amsterdam, The Netherlands. Abstracts. **Prostate** 1985; 6(4):449-71

BLOOD

Significance of serum protein and lipid-bound sialic acid as a marker for genitourinary malignancies. Erbil KM, et al. **Cancer** 1986 Apr 1;57(7):1389-94

COMPLICATIONS

Epidural cord compression in association with genitourinary neoplasms. Liskow A, et al. **Cancer** 1986 Aug 15; 58(4):949-54

Genitourinary neurofibromatosis in a child presenting with an enlarged penis and scrotum. Ogawa A, et al. **J Urol** 1986 Apr;135(4):755-7

Differentiation of benign from malignant ascites by sonographic evaluation of gallbladder wall. Tsujimoto F, et al. **Radiology** 1985 Nov;157(2):503-4

DIAGNOSIS

Diagnostic value of cytology of voided urine. Koss LG, et al. **Acta Cytol (Baltimore)** 1985 Sep-Oct;29(5):810-6

Magnetic resonance imaging of the genitourinary tract. Haggar AM, et al. **Urol Clin North Am** 1985 Nov; 12(4):725-36

[Multiple primary malignant neoplasms of the genitourinary system] Musierowicz A, et al. **Wiad Lek** 1985 Sep 1; 38(17):1213-6 (Eng. Abstr.) (Pol)

[Tumors with metastases to the brain] Kurennaia SS.

Vrach Delo 1986 Mar;(3):99–101 (Eng. Abstr.) (Rus)

DRUG THERAPY

[Subrenal capsule assay for testing the effectiveness of anticancer drugs] Nemoto R, et al. Gan To Kagaku Ryoho 1986 Apr;13(4 Pt 2):1235–40 (Eng. Abstr.) (Jpn)

[Phase II study of etoposide (VP–16–213) in genitourinary tumors. VP–16–213 Genitourinary Study Group] Suzuki K. Gan To Kagaku Ryoho 1986 Sep;13(9):2772–9 (Eng. Abstr.) (Jpn)

FAMILIAL & GENETIC

Oncogenes: a review with relevance to cancers of the urogenital tract. Peehl DM, et al. J Urol 1986 May; 135(5):897–904 (155 ref.)

IMMUNOLOGY

[PPD, PHA and Su–PS skin tests in genitourinary malignancies] Amano T, et al. Hinyokika Kiyo 1985 Dec; 31(12):2107–11 (Eng. Abstr.) (Jpn)

METABOLISM

[Polyamines, polyamine antimetabolites and urogenital tumors. State of research and clinical results] Dunzendorfer U. Urol Int 1985;40(5):241–50 (Eng. Abstr.) (Ger)

MORTALITY

Elevated systolic blood pressure as a predictor of long–term cancer mortality: analysis by site and histologic subtype in 10,000 middle–aged and elderly men. Goldbourt U, et al. JNCI 1986 Jul;77(1):63–70

OCCURRENCE

Urogenital tumors in Kinshasa. An overview of 25 years experience. Tshipeta N, et al. Acta Urol Belg 1986; 54(1):37–48

Second cancer following cancer of the urinary system in Denmark, 1943–80. Jensen OM, et al. Natl Cancer Inst Monogr 1985 Dec;68:349–60

Second cancer following cancer of the urinary system in Connecticut, 1935–82. Kantor AF, et al. Natl Cancer Inst Monogr 1985 Dec;68:149–59

[Statistics of genitourinary tumors at Mito Saiseikai Hospital] Morozumi M, et al. Hinyokika Kiyo 1985 Sep;31(9):1589–92 (Eng. Abstr.) (Jpn)

PATHOLOGY

Gangliorhabdomyosarcoma: a histopathological and immunohistochemical study of three cases. Kodet R, et al. Histopathology 1986 Feb;10(2):181–93

[Percutaneous fine needle cytopuncture of lymph nodes opacified by lymphography, in urogenital pathology. Apropos of 174 cases] Roger B, et al. J Urol (Paris) 1985; 91(9):565–73 (Eng. Abstr.) (Fre)

RADIOGRAPHY

Uroradiographic manifestations of Burkitt's lymphoma in children. Fernbach SK, et al. J Urol 1986 May;135(5):986–8

Lymphangiography in genitourinary cancer. von Eschenbach AC, et al. Urol Clin North Am 1985 Nov;12(4):715–23

[The clinical application of lymphangiography] Liu DY. Chung Hua Fang She Hsueh Tsa Chih 1985 Oct; 19(5):289–92 (Eng. Abstr.) (Chi)

SURGERY

Experience with laser energy in urologic surgery. Smith JA Jr. Bull NY Acad Med 1986 Apr;62(3):273–81

THERAPY

Current status and controversies in the management of genito–urinary cancer. Raghavan D. Aust NZ J Surg 1985 Jun;55(3):243–8

[Combined treatment of rhabdomyosarcomas of the urogenital tract in children] Gusev LI, et al. Pediatriia 1985 Sep;(9):49–52 (Rus)

URINE

Urinary modified nucleosides as tumor markers in cancer of the urinary organs or female genital tract. Koshida K, et al. Urol Res 1985;13(5):213–8

[Detection of urinary polyamine by a new enzymatic differential assay. (III). Studies on urinary polyamines in patients with malignant genitourinary diseases] Sakai S, et al. Hinyokika Kiyo 1986 Mar;32(3):343–50 (Eng. Abstr.) (Jpn)

VETERINARY

Evaluation of a catheter biopsy technique as a diagnostic aid in lower urinary tract disease. Holt PE, et al. Vet Rec 1986 Jun 21;118(25):681–4

UROGENITAL SYSTEM

ABNORMALITIES

Single umbilical artery and other congenital defects in a calf. Stein FJ, et al. Anat Anz 1985;159(1–5):369–72

Urogenital malformations and disease. Berry AC, et al. Br Med Bull 1986 Apr;42(2):181–6 (61 ref.)

Fetal uropathies: diagnostic pitfalls and management. Avni EF, et al. J Urol 1985 Nov;134(5):921–5

The beta–subunit of follicle–stimulating hormone is deleted in patients with aniridia and Wilms' tumour, allowing a further definition of the WAGR locus. Glaser T, et al. Nature 1986 Jun 26–Jul 2;321(6073):882–7

Sacral agenesis: why is it so frequently misdiagnosed? Borrelli M, et al. Urology 1985 Oct;26(4):351–5

[Pregnancy and labor in a woman with Herlyn–Werner–Wunderlich syndrome] Novachkov L, et al. Akush Ginekol (Sofiia) 1986;25(1):91–4 (Eng. Abstr.) (Bul)

[Principles of the surgical treatment of cloacal malformation. Apropos of 3 cases] Galifer RB, et al. Chir Pediatr 1985; 26(2):95–103 (Eng. Abstr.) (Fre)

ANATOMY & HISTOLOGY

Magnetic resonance imaging of the genitourinary tract. LiPuma JP, et al. Urol Clin North Am 1986 Aug; 13(3):531–50

[Contrast sonography of the urinary tract in children] Schneider K, et al. Ultraschall Med 1986 Feb;7(1):30–3 (Eng. Abstr.) (Ger)

DRUG EFFECTS

Steroid–induced urogenital tract changes and urine retention in laboratory rodents. Buhl AE, et al. J Urol 1985 Dec; 134(6):1262–7

EMBRYOLOGY

Macrophages in the urogenital ridge of the mid–gestation mouse fetus. De Felici M, et al. Cell Differ 1986 Mar; 18(2):119–29

Regulation of overgrowth and expression of prostatic binding protein in rat chimeric prostate gland. Thompson TC, et al. Endocrinology 1986 Jun;118(6):2437–44

The induction of new ductal growth in adult prostatic epithelium in response to an embryonic prostatic inductor. Norman JT, et al. Prostate 1986;8(3):209–20

INJURIES

Genitourinary injuries secondary to break dancing in children and adolescents. Gearhart JP, et al. Pediatrics 1986 Jun; 77(6):922–4

GU trauma [editorial] Becker JA. Urol Radiol 1985; 7(4):183–4

Radiologic diagnosis of extrarenal genitourinary trauma. Sclafani SJ, et al. Urol Radiol 1985;7(4):201–210

[Injuries to the urogenital system] Jitariu I, et al. Rev Med Chir Soc Med Nat Iasi 1984 Jul–Sep;88(3):471–8 (Eng. Abstr.) (Rum)

MICROBIOLOGY

Group B–beta haemolytic streptococcal colonization in women using intrauterine contraceptive devices. Farrag OA, et al. Contraception 1985 Jun;31(6):595–602

Urogenital challenge of primate species with Mycoplasma genitalium and characteristics of infection induced in chimpanzees. Tully JG, et al. J Infect Dis 1986 Jun; 153(6):1046–54

Leptospires in pig urogenital tracts and fetuses. Ellis WA, et al. Vet Rec 1985 Jul 20;117(3):66–7

PATHOLOGY

Unexpected laboratory diagnosis of latent urogenital coccidioidomycosis in a nonendemic area. Dunne WM Jr, et al. Arch Pathol Lab Med 1986 Mar;110(3):236–8

SURGERY

Risk factors for wound infections after genitourinary reconstructive surgery. McCray E, et al. Am J Epidemiol 1986 Jun;123(6):1026–32

Urological operations in the United States: 1979 to 1984. Rutkow IM. J Urol 1986 Jun;135(6):1206–8

Appropriate surgical prophylaxis in transurethral genitourinary surgery and potential reduction in nosocomial infections. Childs SJ. Urology 1986 May; 27(5):415–20

[Statistics on operations in the Department of Urology, Kobe University School of Medicine (January, 1976 to December, 1980)] Ishigami J, et al. Hinyokika Kiyo 1985 Jun;31(6):993–1000 (Eng. Abstr.) (Jpn)

UROGRAPHY

Low dose urography with a low osmolar contrast medium. Björk L, et al. Acta Radiol [Diagn] (Stockh) 1986 Jan–Feb; 27(1):111–3

Accuracy of repeated kidney size estimation by ultrasonography and urography in children. Hederström E, et al. Acta Radiol [Diagn] (Stockh) 1985 Sep–Oct; 26(5):603–7

Our experiences with X–ray diagnosis of renal pseudotumours. Rehulka M, et al. Acta Univ Palacki Olomuc Fac Med 1982;103:263–72

Interventional genitourinary radiology in children: a review of 61 procedures. Ball WS Jr, et al. AJR 1986 Oct; 147(4):791–6

Indications for intravenous pyelography in trauma. Uehara DT, et al. Ann Emerg Med 1986 Mar;15(3):266–9

Iodamide meglumine as a contrast medium for intravenous urography. Hare WS, et al. Australas Radiol 1985 May; 29(2):185–9

Delayed reactions to urographic contrast media. Panto PN, et al. Br J Radiol 1986 Jan;59(697):41–4

Clinical significance of minimal changes on intravenous urography after spinal cord injury. Kuhlemeier KV, et al. Br J Urol 1986 Jun;58(3):256–60

Hypotension during urography in patients taking beta–blockers [letter] Can Med Assoc J 1985 Oct 15; 133(8):724–6

The value of post–void radiographs in excretory urography. Gerber WL, et al. Clin Radiol 1985 Sep;36(5):525–7

Pre–prostatectomy intravenous urography—is it a must? Muzafer MH. Int Urol Nephrol 1986;18(1):65–9

Urography with a low osmolality contrast agent. Comparison of Hexabrix with Conray 325. McClennan BL, et al. Invest Radiol 1986 Feb;21(2):144–50

The value of excretory urography in staging bladder cancer. Hatch TR, et al. J Urol 1986 Jan;135(1):49

Iatrogenic dilatation of the upper urinary tract during radiographic evaluation of patients with spinal cord injury. Stover SL, et al. J Urol 1986 Jan;135(1):78–82

Pediatric uroradiology. Lebowitz RL. Pediatr Clin North Am 1985 Dec;32(6):1353–62 (44 ref.)

Urogenital schistosomiasis: CT evaluation. Jorulf H, et al. Radiology 1985 Dec;157(3):745–9

Post–ERCP pancreatitis: association with urographic visualization during ERCP. Roszler MH, et al. Radiology 1985 Dec;157(3):595–8

Replacing x–ray diagnostic procedures by urosonography. Bartels H, et al. Ultrasound Med Biol 1983;Suppl 2:517–9

Symposium on uroradiology. Urol Clin North Am 1985 Nov; 12(4):583–823

Radiologic diagnosis of extrarenal genitourinary trauma. Sclafani SJ, et al. Urol Radiol 1985;7(4):201–210

Response of patients to informed consent for excretory urography. Winfield AC, et al. Urol Radiol 1986;8(1):35–9

[Is intravenous urography still indispensable in the assessment of prostatic adenoma?] Thiry AJ, et al. Acta Urol Belg 1985;53(3):609–17 (Eng. Abstr.) (Fre)

[Comparison between sonography and intravenous pyelography in follow–up controls in recurring urinary tract infections] Brockmann WP, et al. Rontgenblatter 1985 Oct;38(10):332–6 (Eng. Abstr.) (Ger)

[Perirenal extravasation of contrast media during urography] Heising J, et al. Rontgenblatter 1986 May;39(5):133–40 (Eng. Abstr.) (Ger)

[Milk of calcium renal lithiasis: uro–echographic evaluation] Ferrozzi F, et al. Acta Biomed Ateneo Parmense 1985; 56(4–5):201–5 (Eng. Abstr.) (Ita)

[Renal echography as a preliminary to the urographic study. Considerations on 839 cases and proposals] Trapani AR, et al. Radiol Med (Torino) 1985 May;71(5):316–20 (Eng. Abstr.) (Ita)

[Analysis of reactions to urographic contrast media and an evaluation of pretesting] Miyamoto S, et al. Nippon Hinyokika Gakkai Zasshi 1985 Jun;76(6):875–80 (Eng. Abstr.) (Jpn)

[Interventional radiology in the diagnosis and management of renal failure] Matsunaga N, et al. Rinsho Hoshasen 1986 May;31(5):617–22 (Eng. Abstr.) (Jpn)

[Radiologic diagnosis of the urinary tract in renal failure] Munechika H. Rinsho Hoshasen 1986 May;31(5):583–8 (Eng. Abstr.) (Jpn)

[Iodamide–300 and 380: evaluation of the results of clinical trials in angiography and urography] Absava GI, et al. Vestn Rentgenol Radiol 1986 Jan–Feb;(1):74–7 (Rus)

ADVERSE EFFECTS

Hypotension during urography in patients taking beta–blockers [letter] Hamilton G. Can Med Assoc J 1985 Dec 15;133(12):1201–2

Vegetating iodides after an intravenous pyelogram. Lauret P, et al. Dermatologica 1985;171(6):463–8

Renal failure and upper urinary tract obstruction after retrograde pyelography with potassium bromide solution. Joyce DA, et al. Hum Toxicol 1985 Sep;4(5):481–90

Bullous lichen planus after intravenous pyelography [letter] Grunwald MH, et al. J Am Acad Dermatol 1985 Sep; 13(3):512–3

Contrast induced sialadenitis—a case report. Goldberg R, et al. J Otolaryngol 1984 Oct;13(5):331–2

[Leakage of air in retrograde pneumopyelography (report of 42 cases)] Wang HG. Chung Hua Fang She Hsueh Tsa Chih 1985 Jun;19(3):143–4 (Eng. Abstr.) (Chi)

[A contrast medium reaction with fatal outcome—and its consequences] Krueger P. ROFO 1986 Jun;144(6):739–40 (Ger)

[Disturbance of cardiac rhythm during intravenous urography] Di Piazza V, et al. Minerva Cardioangiol 1985 Jul–Aug;33(7–8):421–4 (Eng. Abstr.) (Ita)

[Bilateral kidney cortex necrosis caused by shock produced by the contrast medium used for intravenous urography] Przybyłowski J, et al. Pol Tyg Lek 1986 Mar 24; 41(12):373–5 (Eng. Abstr.) (Pol)

EDUCATION

Academic uroradiology: the future. Hartman GW, et al. **Radiology** 1986 Feb;158(2):559–61

INSTRUMENTATION

A 16 deg. wedge pad for urography. Kinnunen J. **Rontgenblatter** 1986 Jul;39(7):186–7

METHODS

The value of the erect film in intravenous urography. McGeorge A, et al. **Br J Urol** 1984 Jun;56(3):340–1

Dehydration in urography: is it really necessary? Bell KE, et al. **Clin Radiol** 1985 May;36(3):311–2

Comparison of the side-effects of low-osmolar contrast media in intravenous urography. Foord KD, et al. **Clin Radiol** 1985 Jul;36(4):379–80

The use of iohexol in pediatric urography: a comparative study with meglumine diatrizoate. Bani E, et al. **Int J Pediatr Nephrol** 1985 Oct-Dec;6(4):271–4

Use of antegrade pyelography in the investigation of obstructive uropathy: experience in Zambia. Elem B, et al. **Med J Zambia** 1984 Jun;18(2):18–21

Breast protection during intravenous pyelography. Cupstid GB. **Radiol Technol** 1986 Mar-Apr;57(4):347–8

Percutaneous studies of the upper urinary tract in children, with special emphasis on infants. Riedy MJ, et al. **Radiology** 1986 Jul;160(1):231–5

[Contrast quality of iopamidol in excretory urography. Comparative clinical evaluation at various imaging times] Osterhage HR. **Fortschr Med** 1985 Dec 19; 103(47–48):1105–6 (Eng. Abstr.) (Ger)

[Excretory urography—current indications of the status of a conventional diagnostic method. Status of nonionic and ionic contrast media] Porst H, et al. **Fortschr Med** 1985 Aug 15;103(30):755–8 (Eng. Abstr.) (Ger)

[Iohexol in excretory urography. Results of drug monitoring] Schrott KM, et al. **Fortschr Med** 1986 Feb 20;104(7):153–6 (Eng. Abstr.) (Ger)

[Premedication with H1- and H2-receptor antagonists for intravenous urography using contrast media] Reimann HJ, et al. **ROFO** 1986 Feb;144(2):169–73 (Eng. Abstr.) (Ger)

[Possibility of using the spot camera in the documentation of the arterial phase in urography] Borrè A, et al. **Radiol Med (Torino)** 1985 Jul-Aug;71(7–8):525–8 (Eng. Abstr.) (Ita)

[Sequential angio-urography (SAU) with photographic image subtraction] Spalluto F, et al. **Radiol Med (Torino)** 1985 Oct;71(10):684–8 (Eng. Abstr.) (Ita)

[Quality control in urography using non-ionic contrast media (iopamidol) and induced hydration] Stacul F, et al. **Radiol Med (Torino)** 1986 Mar;72(3):138–41 (Eng. Abstr.) (Ita)

[Antegrade pyelography] Hoshina A, et al. **Hinyokika Kiyo** 1985 Jul;31(7):1269–73 (Eng. Abstr.) (Jpn)

PSYCHOLOGY

Psychologic aspects of dealing with children in uroradiology. Fischman SE, et al. **Urology** 1986 May;27(5):478–81

STANDARDS

Simplifying radiological examinations. Can it really be done in urography? Göthlin JH, et al. **Eur J Radiol** 1986 May; 6(2):85–8

UTILIZATION

Current status of excretory urography. A premature epitaph? Pollack HM, et al. **Urol Clin North Am** 1985 Nov; 12(4):585–601 (166 ref.)

[Complete radiological evaluation of the urinary tract in children. Excretory urography with urination radiography] Mitre AI, et al. **AMB** 1985 May-Jun;31(5–6):98–100 (Eng. Abstr.) (Por)

UROKINASE

Homology of kringle structures in urokinase and tissue-type plasminogen activator: the phylogeny with the related serine proteases. Takahashi K, et al. **Cell Struct Funct** 1985 Sep;10(3):209–18

Primary structure of single-chain pro-urokinase. Kasai S, et al. **J Biol Chem** 1985 Oct 5;260(22):12382–9

Clinical study of urokinase-bound fibrocollagenous tubes. Senatore F, et al. **J Biomed Mater Res** 1986 Feb; 20(2):177–88

Lysis time and FDP immunoprecipitation by soluble and immobilized urokinase. Senatore F, et al. **J Biomed Mater Res** 1986 Feb;20(2):189–203

Lower molecular weight species of alpha 2-macroglobulin-plasmin complexes in human plasma activated by urokinase. Yamamoto J, et al. **Nippon Ketsueki Gakkai Zasshi** 1985 Jul;48(4):1090–9

ADMINISTRATION & DOSAGE

Local urokinase for the treatment of ventriculitis complications. San Frutos MA, et al. **Acta Paediatr Scand** 1986 May;75(3):497–8

Intra-arterial fibrinolytic therapy. Efficacy of streptokinase vs urokinase. Belkin M, et al. **Arch Surg** 1986 Jul; 121(7):769–73

Urokinase therapy for Silastic catheter-induced intravascular thrombi in infants and children. Curnow A, et al. **Arch Surg** 1985 Nov;120(11):1237–40

Plasma fibrinolysis after intraduodenal administration of urokinase in rats. Sumi H, et al. **Enzyme** 1985;33(3):122–7

Oral urokinase: absorption, mechanisms of fibrinolytic enhancement and clinical effect on cerebral thrombosis. Abe T. **Folia Haematol (Leipz)** 1986;113(1–2):122–36

Acute peripheral arterial and graft occlusion: treatment with selective infusion of urokinase and lysyl plasminogen. Pernes JM, et al. **Radiology** 1986 Feb;158(2):481–5

The beneficial effect of intracarotid urokinase on acute stroke in a baboon model. Del Zoppo GJ, et al. **Stroke** 1986 Jul-Aug;17(4):638–43

[Biological profile of the 1st 4 hours of a thrombolytic treatment combining urokinase with lysyl-plasminogen] Roncato M, et al. **Ann Biol Clin (Paris)** 1985;43(6):851–5 (Eng. Abstr.) (Fre)

[Local perfusion of fibrinolytics in the treatment of priapism] Dalery F, et al. **Cah Anesthesiol** 1986 Mar-Apr;34(2):163–5 (Fre)

[Value of a defibrinating agent in potentiating therapeutic thrombolysis in severe pulmonary embolism] Charbonnier B, et al. **J Mal Vasc** 1986;11(2):154–61 (Fre)

[Emergency venous thrombectomy with in situ perfusion of urokinase. Preliminary note] Azzena GF, et al. **Minerva Chir** 1986 Feb 28;41(3–4):161–3 (Eng. Abstr.) (Ita)

[A case of sudden obstruction of the left main coronary artery treated by intravenous thrombolysis] Hiasa Y, et al. **Kokyu To Junkan** 1985 Sep;33(9):1169–73 (Eng. Abstr.) (Jpn)

[Intravenous thrombolysis by urokinase in acute myocardial infarction] Onikura S, et al. **Nippon Naika Gakkai Zasshi** 1985 Nov;74(11):1512–21 (Jpn)

ADVERSE EFFECTS

Complications of intraarterial urokinase-lys-plasminogen infusion therapy in arterial ischemia of lower limbs. Fiessinger JN, et al. **AJR** 1986 Jan;146(1):157–9

Transgraft hemorrhage: a serious complication of low-dose thrombolytic therapy. Perler BA, et al. **J Vasc Surg** 1986 Jun;3(6):936–8

ANALYSIS

Plasminogen activator content of human tumor and adjacent normal tissue measured with fibrin and non-fibrin assays. Camiolo SM, et al. **Cancer Res** 1986 Apr;46(4 Pt 1):1788–94

Monoclonal antibodies inhibitory to human plasmin. Definitive demonstration of a role for plasmin in activating the proenzyme of urokinase-type plasminogen activator. Sim PS, et al. **Eur J Biochem** 1986 Aug 1;158(3):537–42

Elastase digested urokinase (ED-UK). Sumi H, et al. **Experientia** 1985 Dec 15;41(12):1546–8

Identification and localization of urokinase-type plasminogen activator in human NK-cells. Carpén O, et al. **Int J Cancer** 1986 Sep 15;38(3):355–60

The activation of pro-urokinase by plasma kallikrein and its inactivation by thrombin. Ichinose A, et al. **J Biol Chem** 1986 Mar 15;261(8):3486–9

Enzyme-linked immunosorbent assay for human urokinase-type plasminogen activator and its proenzyme using a combination of monoclonal and polyclonal antibodies. Nielsen LS, et al. **J Immunoassay** 1986; 7(3):209–28

Urokinase-type plasminogen activator in alveolar macrophages and bronchoalveolar lavage fluid from normal and smoke-exposed hamsters and humans. Bowen RM, et al. **J Lab Clin Med** 1985 Dec;106(6):667–73

Quantitation of urokinase antigen in plasma and culture media by use of an ELISA. Binnema DJ, et al. **Thromb Res** 1986 Sep 1;43(5):569–77

Solid-phase fibrin-tissue-plasminogen-activator activity assay (SOFIA-tPA): tPA but not UK is specifically detected. Boutière B, et al. **Thromb Res** 1986 Jul 1; 43(1):129–32

ANTAGONISTS & INHIBITORS

Structural and functional characterization of the inhibition of urokinase by alpha 2-macroglobulin. Straight DL, et al. **Biochemistry** 1985 Jul 16;24(15):3902–7

Quantitation and properties of the active and latent plasminogen activator inhibitors in cultures of human endothelial cells. Levin EG. **Blood** 1986 May;67(5):1309–13

Plasminogen activator inhibitor from human fibrosarcoma cells binds urokinase-type plasminogen activator, but not its proenzyme. Andreasen PA, et al. **J Biol Chem** 1986 Jun 15;261(17):7644–51

Purification and characterization of a novel inhibitor of urokinase from human urine. Quantitation and preliminary characterization in plasma. Stump DC, et al. **J Biol Chem** 1986 Sep 25;261(27):12759–66

Human leucocyte urokinase inhibitor—purification, characterization and comparative studies against different plasminogen activators. Kopitar M, et al. **Thromb Haemost** 1985 Dec 17;54(4):750–5

The fast-acting inhibitor of tissue-type plasminogen activator in plasma is also the primary plasma inhibitor of urokinase. Kruithof EK, et al. **Thromb Haemost** 1986 Feb 28; 55(1):65–9

BIOSYNTHESIS

Plasminogen activators and their inhibitors in a human mammary cell line (HBL-100). Modulation by glucocorticoids. Busso N, et al. **J Biol Chem** 1986 Jul 15; 261(20):9309–15

BLOOD

Plasminogen activator and fibrinogen/fibrin degradation products at conization of the uterine cervix. Larsson G, et al. **Acta Obstet Gynecol Scand** 1986;65(4):331–3

Pro-urokinase: a study of its stability in plasma and of a mechanism for its selective fibrinolytic effect. Pannell R, et al. **Blood** 1986 May;67(5):1215–23

Urokinase antigen in plasma of patients with liver cirrhosis and hepatoma. Kirchheimer JC, et al. **Thromb Haemost** 1985 Oct 30;54(3):617–8

GENETICS

Exon-intron boundary sliding in the generation of two mRNAs coding for porcine urokinase-like plasminogen activator. Nagamine Y, et al. **Biochem Biophys Res Commun** 1985 Oct 30;132(2):563–9

Modulation of urokinase plasminogen activator gene expression during the transition from quiescent to proliferative state in normal mouse cells. Grimaldi G, et al. **EMBO J** 1986 May;5(5):855–61

Molecular cloning of cDNA coding for human preprourokinase. Nagai M, et al. **Gene** 1985;36(1–2):183–8

Induction and desensitization of plasminogen activator gene expression by tumor promoters. Degen JL, et al. **J Biol Chem** 1985 Oct 15;260(23):12426–33

Increase in urokinase plasminogen activator mRNA synthesis in human carcinoma cells is a primary effect of the potent tumor promoter, phorbol myristate acetate. Stoppelli MP, et al. **J Cell Biol** 1986 Apr;102(4):1235–41

Chromosomal locations of human tissue plasminogen activator and urokinase genes. Rajput B, et al. **Science** 1985 Nov 8;230(4726):672–4

IMMUNOLOGY

A monoclonal antibody against human urokinase: the epitope structure and sequence homology with a human tissue-type plasminogen activator. Takahashi K, et al. **Cell Struct Funct** 1985 Sep;10(3):195–208

Monoclonal antibodies against human high molecular weight urinary urokinase: application for affinity purification of urinary prourokinase. Wojta J, et al. **Thromb Haemost** 1986 Jun 30;55(3):347–51

ISOLATION & PURIFICATION

Purification and characterization of recombinant single-chain urokinase produced in Escherichia coli. Winkler ME, et al. **Biochemistry** 1986 Jul 15;25(14):4041–5

Purification and characterization of single-chain urokinase-type plasminogen activator from human cell cultures. Stump DC, et al. **J Biol Chem** 1986 Jan 25; 261(3):1274–8

Characterization and fibrin-binding properties of different molecular forms of pro-urokinase from a monkey kidney cell culture. Wijngaards G, et al. **Thromb Res** 1986 Jun 15;42(6):749–60

[Isolation and characteristics of urokinase-type plasminogen activator from a culture of human embryo lung fibroblasts] Shevelev AIa, et al. **Mol Biol (Mosk)** 1986 May-Jun; 20(3):778–88 (Eng. Abstr.) (Rus)

METABOLISM

Two plasminogen activators, streptokinase and urokinase, stimulate human sperm motility. Hong CY, et al. **Andrologia** 1985 Jul-Aug;17(4):317–20

Cryptic urokinase binding sites on human foreskin fibroblasts. Bajpai A, et al. **Biochem Biophys Res Commun** 1985 Dec 17;133(2):475–82

Urokinase binding sites on human foreskin cells. Evidence for occupancy with endogenous urokinase. Bajpai A, et al. **Biochem Biophys Res Commun** 1985 Dec 31; 133(3):994–1000

Covalent molecular weight approximately 92 000 hybrid plasminogen activator derived from human plasmin amino-terminal and urokinase carboxyl-terminal domains. Robbins KC, et al. **Biochemistry** 1986 Jun 17;25(12):3603–11

The Mr 17500 region of the A chain of urokinase is required for interaction with a specific receptor in A431 cells. Fibbi G, et al. **Biochim Biophys Acta** 1986 Mar 14;885(3):301–8

Autocrine saturation of pro-urokinase receptors on human A431 cells. Stoppelli MP, et al. **Cell** 1986 Jun 6;45(5):675–84

Generation of C3d,g and C3d by urokinase-treated plasma in association with fibrinolysis. Seya T, et al. **Complement** 1985;2(2–3):165–74

Urokinase binding to bovine corneal endothelial cells. Shuman MA, et al. **Exp Eye Res** 1985 Sep;41(3):371–82

Action of urokinase and trypsin on angiotensin, ACTH and the oxidized B chain of insulin. Yomtova VM. **FEBS Lett** 1985 Oct 14;190(2):311–4

Activation of plasminogen by pro-urokinase. II. Kinetics. Collen D, et al. **J Biol Chem** 1986 Jan 25;261(3):1259–66

Proteolytic cleavage of single-chain pro-urokinase induces

conformational change which follows activation of the zymogen and reduction of its high affinity for fibrin. Kasai S, et al. **J Biol Chem** 1985 Oct 5;260(22):12377–81

Activation of plasminogen by pro-urokinase. I. Mechanism. Lijnen HR, et al. **J Biol Chem** 1986 Jan 25;261(3):1253–8

Tissue plasminogen activator and urokinase enhance the binding of plasminogen to thrombospondin. Silverstein RL, et al. **J Biol Chem** 1986 Jul 25;261(21):9959–65

Urokinase-type and tissue-type plasminogen activators have different distributions in cultured bovine capillary endothelial cells. Moscatelli D. **J Cell Biochem** 1986; 30(1):19–29

Production of Lys-plasminogen in urokinase-activated human plasma. Yamamoto J, et al.
Nippon Ketsueki Gakkai Zasshi 1986 Feb;49(1):131–5

Identification and cellular localization of plasminogen activators from human glomeruli. Angles-Cano E, et al. **Thromb Haemost** 1985 Oct 30;54(3):688–92

Does plasma urokinase antigen reflect tumor urokinase in prostatic carcinoma? [letter] Kirchheimer JC, et al.
Thromb Haemost 1985 Oct 30;54(3):729

Study on the mechanism of action of heparin and related substances on the fibrinolytic system: relationship between plasminogen activators and heparin. Pâques EP, et al.
Thromb Res 1986 Jun 15;42(6):797–807

Specific fibrinolytic properties of different molecular forms of pro-urokinase from a monkey kidney cell culture. Rijken DC, et al. **Thromb Res** 1986 Jun 15;42(6):761–8

[Fibrinolytic activity of acyl-urokinase] Stürzebecher J, et al. **Folia Haematol (Leipz)** 1986;113(1–2):137–43 (Eng. Abstr.) **(Ger)**

[Biliary and pancreatic excretion of mitomycin C, with special reference to the concomitant use of urokinase] Suda Y, et al. **Gan To Kagaku Ryoho** 1985 Nov;12(11):2225–6 **(Jpn)**

PHARMACODYNAMICS

Urokinase does not prevent abdominal adhesion formation in rats. Rivkind AI, et al. **Eur Surg Res** 1985;17(4):254–8

Accelerated thrombolysis. In vitro evaluation of agents and methods of administration. Bookstein JJ, et al.
Invest Radiol 1985 Oct;20(7):731–5

The effect of intravenous infusion of urokinase on coronary artery thrombolysis in the dog. Isojima K, et al.
Jpn Circ J 1985 Nov;49(11):1195–200

Experimental study on the comparative thrombolytic effects of intracoronary and intravenous administration of urokinase. Tomoda H. **Jpn Heart J** 1986 Mar;27(2):259–65

Fibrinolytic activity of immobilized plasminogen activator. Senatore FF, et al.
Res Commun Chem Pathol Pharmacol 1985 Aug; 49(2):295–304

Biological properties of recombinant and of natural pro-urokinase [letter] Gurewich V, et al.
Thromb Haemost 1985 Aug 30;54(2):558–9

Studies on the effect of PEG-modified urokinase on coagulation-fibrinolysis using beagles. Sakuragawa N, et al. **Thromb Res** 1986 Mar 1;41(5):627–35

Effects of fibrin on the enhanced activation of plasminogen by urokinase and tissue plasminogen activator: role of cross-link. Takada A, et al. **Thromb Res** 1986 Mar 1; 41(5):605–13

[Effects of urokinase on the transfer of 1-hexylcarbamoyl-5-fluorouracil (HCFU) into the blood, bile and pancreatic juice] Kato S, et al.
Gan To Kagaku Ryoho 1985 Nov;12(11):2134–8 (Eng. Abstr.) **(Jpn)**

[Water-soluble modified derivatives of urokinase: fibrinolytic activity and other properties] Maksimenko AV, et al.
Vopr Med Khim 1985 Jul-Aug;31(4):12–20 (Eng. Abstr.) **(Rus)**

SECRETION

Hormonal regulation of the release of plasminogen activators and of a specific activator inhibitor from endometrial tissue in culture. Casslén B, et al. **Proc Soc Exp Biol Med** 1986 Sep;182(4):419–24

THERAPEUTIC USE

Combined thrombolytic therapy and coronary angioplasty for acute myocardial infarction. Kitazume H, et al.
Am Heart J 1986 May;111(5):826–32

Thallium-201/technetium-99m pyrophosphate overlap in patients with acute myocardial infarction after thrombolysis: prediction of depressed wall motion despite thallium uptake. Schofer J, et al. **Am Heart J** 1986 Aug; 112(2):291–5

Thrombolytic therapy for pulmonary embolism in pregnancy: a case report. Delclos GL, et al. **Am J Obstet Gynecol** 1986 Aug;155(2):375–6

Thrombolytic therapy for deep vein thrombosis. Persson AV, et al. **Am J Surg** 1985 Oct 8;150(4A):50–3

Controlled trial of combined urokinase and dextran sulfate therapy in patients with acute cerebral infarction. Fujishima M, et al. **Angiology** 1986 Jul;37(7):487–98

Significant correlation between the immunofluorescence of alpha 2-plasmin inhibitor in glomeruli and the effects of urokinase therapy in patients with IgA nephropathy. Miura M, et al. **Ann Acad Med Singapore** 1986 Apr;15(2):255–7

Coronary thrombolysis with human single-chain, urokinase-type plasminogen activator (pro-urokinase) in patients with acute myocardial infarction. Van de Werf F, et al. **Ann Intern Med** 1986 Mar;104(3):345–8

CT-guided stereotactic aspiration of intracerebral hematoma—result of a hematoma-lysis method using urokinase. Niizuma H, et al. **Appl Neurophysiol** 1985; 48(1–6):427–30

Efficacy of tissue plasminogen activator and urokinase in a canine model of prosthetic graft thrombosis. Curl GR, et al. **Arch Surg** 1986 Jul;121(7):782–8

Effect of urokinase on posterior penetrating eye injuries. Lee S, et al. **Can J Ophthalmol** 1985 Dec;20(7):251–3

Coronary thrombolysis with urokinase infusion in acute myocardial infarction: multicenter study in Japan. Kambara H, et al. **Cathet Cardiovasc Diagn** 1985;11(4):349–60

Beneficial effect of aspirin in maintaining the patency of small-caliber prosthetic grafts after thrombolysis with urokinase or tissue-type plasminogen activator. Curl GR, et al. **Circulation** 1986 Sep;74(3 Pt 2):I21–4

Usefulness of coronary artery bypass graft surgery or percutaneous transluminal angioplasty after thrombolytic therapy. Dodge HT, et al. **Circulation** 1985 Dec;72(6 Pt 2):V39–45

A clinicopathologic study of patients with hemorrhagic myocardial infarction treated with selective coronary thrombolysis with urokinase. Fujiwara H, et al.
Circulation 1986 Apr;73(4):749–57

Treatment with urokinase for thrombotic complications of the bio-carbon prosthesis for hemodialysis [letter] Novoa D, et al. **Clin Nephrol** 1985 Dec;24(6):315

Urokinase in patients dialyzed with Hemasite [letter] Viron B, et al. **Clin Nephrol** 1986 Jun;25(6):314

Single-chain urokinase-type plasminogen activators: new hopes for clot-specific lysis. Flobé L. **Eur Heart J** 1985 Nov;6(11):905–8

Intravenous and intracoronary fibrinolytic therapy in acute myocardial infarction: overview of results on mortality, reinfarction and side-effects from 33 randomized controlled trials. Yusuf S, et al. **Eur Heart J** 1985 Jul;6(7):556–85

Comparison of fibrinolytic treatment with interruption of the inferior caval vein in the prevention of pulmonary embolism. Haissaguerre M, et al. **Int J Cardiol** 1986 Aug; 12(2):213–21

Coronary thrombolysis by intravenous infusion of recombinant single chain urokinase-type plasminogen activator or recombinant urokinase in baboons: effect on regional blood flow, infarct size and hemostasis. Flameng W, et al. **J Am Coll Cardiol** 1986 Jul;8(1):118–24

Acute thrombotic obstruction with disc valve prostheses: diagnostic considerations and fibrinolytic treatment. Ledain LD, et al. **J Am Coll Cardiol** 1986 Apr;7(4):743–51

The co-operative action of hyaluronidase and urokinase on the isoproterenol-induced myocardial infarction in rats. Borrelli F, et al. **Thromb Res** 1986 Apr 15;42(2):153–64

Thrombolytic effect of single-chain pro-urokinase in a rabbit jugular vein thrombosis model. Matsuo O, et al.
Thromb Res 1986 Apr 15;42(2):187–94

A review of fibrinolytic therapy in acute myocardial infarction. Cockins KA, et al. **W Va Med J** 1985 Sep; 81(9):191–4

[Treatment with the urokinase-lysyl plasminogen combination of developmental outbreaks of arteriopathies] Vitoux JF, et al. **Ann Med Interne (Paris)** 1986;137(2):105–7 (Eng. Abstr.) **(Fre)**

[Treatment of renal cancer extending supradiaphragmatically with fibrinolytics following surgery under extracorporeal circulation, hypothermia and circulatory arrest] Le Duc A, et al. **Ann Urol (Paris)** 1986;20(1):70–1 (Eng. Abstr.) **(Fre)**

[Treatment of acute pulmonary embolism with urokinase compared with the combination plasminogen-urokinase. Apropos of 67 cases] François G, et al.
Arch Mal Coeur 1986 Apr;79(4):435–42 (Eng. Abstr.) **(Fre)**

[Indications and results of combined urokinase-lys plasminogen in acute ischemic pathology of the legs] Giraud C, et al. **J Mal Vasc** 1985;10(4):321–6 (Eng. Abstr.) **(Fre)**

[Role of drug-induced thrombolysis in the treatment of pulmonary embolism (letter)] Jardin F, et al.
Presse Med 1986 Jun 14;15(24):1160 **(Fre)**

[Time dependence of myocardial preservation after thrombolysis. Consequences for indication and procedure] Mathey DG, et al. **Dtsch Med Wochenschr** 1985 Nov 1; 110(44):1681–5 (Eng. Abstr.) **(Ger)**

[Position and developmental trends in fibrinolytic therapy] Markwardt F. **Folia Haematol (Leipz)** 1986;113(1–2):6–17 (Eng. Abstr.) **(Ger)**

[Therapy of pulmonary embolism] Matthias FR, et al.
Folia Haematol (Leipz) 1986;113(1–2):38–46 (Eng. Abstr.) **(Ger)**

[Thrombolytic therapy with urokinase—indications and results] Tilsner V. **Folia Haematol (Leipz)** 1986; 113(1–2):108–21 (Eng. Abstr.) **(Ger)**

[Laboratory control of fibrinolytic therapy] Vinazzer H.
Folia Haematol (Leipz) 1986;113(1–2):30–7 (Eng. Abstr.) **(Ger)**

[Successful treatment of superior mesenteric artery thrombosis with local high-dose urokinase therapy] Köhler M, et al. **Klin Wochenschr** 1985 Aug 1;63(15):722–7 (Eng. Abstr.) **(Ger)**

[Indications for the intra-arterial infusion of urokinase in the treatment of acute intestinal ischemia in patients with heart disease] Inoue Y, et al. **ROFO** 1985 Dec;143(6):660–4 (Eng. Abstr.) **(Ger)**

[Acute arterial occlusion: surgical thrombectomy versus local thrombolysis—preliminary status determination from the interdisciplinary viewpoint] Brunner U, et al. **Vasa** 1986; 15(2):158–61 (Eng. Abstr.) **(Ger)**

[Early noninvasive detection of reperfusion and infarct by intravenous technetium 99m pyrophosphate scintigraphy following thrombolysis] Schofer J, et al. **Z Kardiol** 1986 May;75(5):276–82 (Eng. Abstr.) **(Ger)**

[Treatment of acute myocardial infarct by intracoronary thrombolysis and aortocoronary bypass] Medici D, et al.
Acta Biomed Ateneo Parmense 1985;56(3):173–9 (Eng. Abstr.) **(Ita)**

[Fibrinolytic treatment today] Bartolo M, et al. **Clin Ter** 1985 Sep 15;114(5):371–9 (Eng. Abstr.) **(Ita)**

[Thrombolytic therapy with urokinase in 8 patients with massive pulmonary thromboembol[illegible]] Russo R, et al.
G Ital Cardiol 1985 Oct;15(10):957–9 (Eng. Abstr.) **(Ita)**

[Intracoronary thrombolytic therapy in Kawasaki disease and the usefulness of two-dimensional echocardiography in detecting intracoronary thrombi] Ichinose E, et al.
J Cardiogr 1985 Mar;15(1):79–87 (Eng. Abstr.) **(Jpn)**

[The evaluation of the cardiac function and the effect of urokinase therapy in patients with AMI in ICU] Yamazaki J, et al. **Kaku Igaku** 1985 Oct;22(10):1495–503 (Eng. Abstr.) **(Jpn)**

[Intracoronary thrombolysis] Kambara H, et al.
Kokyu To Junkan 1986 Apr;34(4):413–7 **(Jpn)**

[Effective thrombolytic therapy with transluminal coronary angioplasty to prevent the evolution of acute myocardial infarction in the very early stage] Sakata K, et al.
Kokyu To Junkan 1986 Jan;34(1):103–9 (Eng. Abstr.) **(Jpn)**

[Intrathecal irrigation with urokinase in ruptured cerebral aneurysm cases. Basic study and clinical application] Yoshida Y, et al. **Neurol Med Chir (Tokyo)** 1985 Dec; 25(12):989–97 (Eng. Abstr.) **(Jpn)**

[Therapy of thrombosis: anticoagulant-fibrinolytic therapy] Hasegawa H. **Nippon Rinsho** 1986 May;44(5 Spec No 542):1087–93 (19 ref.) **(Jpn)**

[Stereotactic evacuation of hypertensive thalamic hematomas using plasminogen activator (urokinase)] Komai N, et al. **No Shinkei Geka** 1986 Mar;14(3 Suppl):249–56 (Eng. Abstr.) **(Jpn)**

[Arterial infusion therapy in mesenteric artery embolisms. A report of two cases treated by infusion therapy using only urokinase] Inoue Y, et al. **Rinsho Hoshasen** 1986 Mar; 31(3):377–81 (Eng. Abstr.) **(Jpn)**

[Intraarterial urokinase infusion in the treatment of lower limbs arterial occlusions] Tsuji M, et al.
Rinsho Hoshasen 1985 Nov;30(12):1513–6 **(Jpn)**

[Systemic thrombolytic therapy of myocardial infarction] Golikov AP, et al. **Kardiologiia** 1985 Oct;25(10):34–40 (Eng. Abstr.) **(Rus)**

[Immobilized thrombolytic enzymes and their use in ophthalmology] Samsonov GV, et al. **Vopr Med Khim** 1985 Jul-Aug;31(4):51–4 (Eng. Abstr.) **(Rus)**

URINE

Fibrin-binding urokinase (or precursor form of urokinase) with a molecular weight of about 100,000 in fresh human urine. Sumi H, et al. **Enzyme** 1985;34(4):201–11

Urokinase-related proteins in human urine. Isolation and characterization of single-chain urokinase (pro-urokinase) and urokinase-inhibitor complex. Stump DC, et al.
J Biol Chem 1986 Jan 25;261(3):1267–73

UROLOGIC DISEASES

Abstracts of the Proceedings of the Urological Society of Australasia, 38th annual scientific meeting. Adelaide, Australia, 1985. **Br J Urol** 1986 Feb;58(1):75–94

American Urological Association, Inc. Eighty-first annual meeting. May 18–22, 1986, New York, New York. Abstracts. **J Urol** 1986 Apr;135(4 Pt 2):103A–392A

Papers presented at the annual meeting of the Section of Urology, American Academy of Pediatrics. San Antonio, Texas, October 19–24, 1985. **J Urol** 1986 Jul;136(1 Pt 2):207–344

Swedish Association of Urology. Proceedings of the meetings 1984. Umeå, June 4–6, 1984, and Stockholm, November 29–30, 1984. Abstracts. **Scand J Urol Nephrol [Suppl]** 1985; 93:1–42

Proceedings of the 15th congress of the Scandinavian Association of Urology. Aalborg, Denmark, 25–28. September 1985. Abstracts.
Scand J Urol Nephrol [Suppl] 1985;94:1–69

[Swiss Society for Urology. 40th annual meeting. 8–10 November 1984, Lugano] **Helv Chir Acta** 1985 Sep; 52(3–4):413–632 **(Ger)**

CHEMICALLY INDUCED

Safety of cimetidine [letter] Seidelin R.
Br Med J [Clin Res] 1985 Dec 14;291(6510):1721–2

COMPLICATIONS

Significance of dipstick haematuria. 2. Correlation with pathology. Arm JP, et al. **Br J Urol** 1986 Apr;58(2):218–23

Diseases causing fetal and neonatal ascites. Machin GA.
Pediatr Pathol 1985;4(3–4):195–211 (120 ref.)

[Chronic kidney failure in children with unilateral obstructive uropathy] Alferov SM. **Urol Nefrol (Mosk)** 1985 Nov–Dec; (6):24–6 (Eng. Abstr.) **(Rus)**

CONGENITAL

[Urinary tract malformations diagnosed prenatally: exploratory strategy during the neonatal period] Schmit P, et al. **Ann Pediatr (Paris)** 1986 Mar;33(3):234–9 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Comparison of ultrasound examination and intravenous urography after a urinary tract infection. Lindsell D, et al. **Arch Dis Child** 1986 Jan;61(1):81–2

Pre-natal diagnosis: how useful is it? Thomas DF, et al. **Br J Urol** 1985 Dec;57(6):784–7

Magnetic resonance imaging of the genitourinary tract. te Strake L, et al. **Diagn Imag Clin Med** 1986;55(1–2):77–83

Applications of magnetic resonance imaging in clinical urology. Demas BE, et al. **Henry Ford Hosp Med J** 1985; 33(2–3):128–32

Genitourinary dysfunction in a geriatric outpatient population. Ouslander JG, et al. **J Am Geriatr Soc** 1986 Jul;34(7):507–14

Fetal uropathies: diagnostic pitfalls and management. Avni EF, et al. **J Urol** 1985 Nov;134(5):921–5

Pediatric uroradiology. Lebowitz RL. **Pediatr Clin North Am** 1985 Dec;32(6):1353–62 (44 ref.)

Flexible endoscopy in the urinary tract. Bagley DH. **Semin Urol** 1986 Aug;4(3):198–206

Replacing x-ray diagnostic procedures by urosonography. Bartels H, et al. **Ultrasound Med Biol** 1983;Suppl 2:517–9

Pre- and postnatal ultrasonographic diagnosis of congenital obstructive uropathies. Seeds JW, et al. **Urol Clin North Am** 1986 Feb;13(1):131–54 (55 ref.)

Diurnal variation of prostatic acid phosphatase (PAP) in urologic patients with nonprostatic disease. el-Shirbiny AM, et al. **Urology** 1986 Apr;27(4):302–5

[Echographic diagnosis in urologic emergencies] Kumanov Kh, et al. **Khirurgiia (Sofiia)** 1985;38(6):53–7 **(Bul)**

[Correlation of miction cystourethrography with ultrasonic examination in children with urination disorders] Abraham J, et al. **Cesk Pediatr** 1986 Jul;41(7):389–93 (Eng. Abstr.) **(Cze)**

[Gas and water cystometry. A comparative study] Sørensen SM. **Ugeskr Laeger** 1986 Jan 13;148(3):127–8 (Eng. Abstr.) **(Dan)**

[Echography in urology. Why? By whom?] Vallancien G. **Ann Urol (Paris)** 1985;19(5):295–6 **(Fre)**

[Ultrasonic evaluation of the urinary tract in patients with spinal cord injuries. Systematic comparison with intravenous urography in 50 cases] Chagnon S, et al. **J Radiol** 1985 Dec;66(12):801–6 (Eng. Abstr.) **(Fre)**

[Diagnosis of urogenital Chlamydia trachomatis infections] Frenk E, et al. **Ther Umsch** 1985 Nov;42(11):755–9 (Eng. Abstr.) **(Fre)**

[Pre- and postnatal diagnostic imaging of congenital urinary tract disorders] Grundner HG, et al. **Radiologe** 1986 Apr; 26(4):198–201 (Eng. Abstr.) **(Ger)**

[Urologic complications in 200 patients with Crohn disease] Kleinhans G, et al. **Z Gastroenterol** 1985 Jul;23(7):362–74 (Eng. Abstr.) **(Ger)**

[Evaluation of urinary cytology for upper urinary tract disease] Takeuchi T, et al. **Hinyokika Kiyo** 1986 Feb; 32(2):177–82 (Eng. Abstr.) **(Jpn)**

[Ultrasonography of the urinary tract in general practice] Bratland SZ, et al. **Tidsskr Nor Laegeforen** 1985 Oct 10; 105(28):1948–50 (Eng. Abstr.) **(Nor)**

[Urodynamic studies in the diagnosis and treatment of altered bladder emptying following prostatic adenomectomy] Proca E, et al. **Rev Chir [Chir]** 1986 Mar–Apr;35(2):81–93 (Eng. Abstr.) **(Rum)**

[Endoscopy in pediatrics] Isaeva LA, et al. **Pediatriia** 1986 Mar;(3):20–4 **(Rus)**

[Informative value of renal phlebography and the analysis of renal venous blood in various diseases of the kidneys and upper urinary tract] Figarov IG, et al. **Urol Nefrol (Mosk)** 1986 May–Jun;(3):31–4 (Eng. Abstr.) **(Rus)**

[Diagnosis of diseases of the urinary tract using screening data in children] Ignatova MS, et al. **Urol Nefrol (Mosk)** 1986 Mar–Apr;(2):11–5 (Eng. Abstr.) **(Rus)**

[Errors in the diagnosis and treatment of diseases of the kidneys, urinary tract and male genital organs] Tkachuk VN. **Urol Nefrol (Mosk)** 1986 Mar–Apr;(2):3–7 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[The action of imidazole-2-hydroxybenzoate in urologic inflammatory processes. Comparison with oxyphenbutazone] Durval A, et al. **Boll Chim Farm** 1985 Aug;124(8):81S–85S (Eng. Abstr.) **(Ita)**

ECONOMICS

[The economic loss connected with morbidity of the urogenital organs] Zaborovskiĭ GI. **Sov Zdravookhr** 1986; (2):21–4 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Ultrasonographic anatomy and diagnosis of fetal uropathies affecting the upper urinary tract. I. Obstructive uropathies. Duval JM, et al. **Anat Clin** 1985;7(4):301–32 (121 ref.)

ENZYMOLOGY

[Clinical relevance of beta-hexosaminidase activity in the urine] Hultberg B, et al. **Lakartidningen** 1985 Oct 2; 82(40):3396–7 **(Swe)**

ETIOLOGY

Urogenital malformations and disease. Berry AC, et al. **Br Med Bull** 1986 Apr;42(2):181–6 (61 ref.)

Urologic complications in 159 consecutive renal transplantations. Wahlberg J, et al. **Ups J Med Sci** 1985; 90(2):157–62

[The post-operative complications of adenoma of the prostate] Mhiri N, et al. **Tunis Med** 1985 Dec; 63(12):699–703 (Eng. Abstr.) **(Ara)**

[Urologic complications of renal transplantation. Role of the length of the ureter] Benoit G, et al. **Presse Med** 1986 Jan 25;15(3):101–4 (Eng. Abstr.) **(Fre)**

[Urologic complications following curative radiotherapy of gynecologic cancers] Maier U, et al. **Urologe [A]** 1986 Jan; 25(1):33–7 (Eng. Abstr.) **(Ger)**

[Urologic complications in Crohn disease] Kleinhans G, et al. **Z Gastroenterol** 1985 Jul;23(7):355–61 (Eng. Abstr.) **(Ger)**

[Differences in urinary tract complications between the control and study-group patients with spinal cord and caudal injuries] Iwakawa A, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Mar;77(3):421–7 (Eng. Abstr.) **(Jpn)**

METABOLISM

[Catecholamine metabolism of urologic diseases] Hirayama J. **Nippon Hinyokika Gakkai Zasshi** 1985 Nov; 76(11):1629–32 **(Jpn)**

[Serum and urinary alpha 1-microglobulin activities in patients with urological diseases] Tanaka T, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Sep;76(9):1407–12 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Chlamydia trachomatis [letter] Datson D, et al. **Med J Aust** 1986 Jun 9;144(12):672

OCCURRENCE

[Clinical statistics of the Urological Clinic of East Sapporo Sanjukai Hospital. V: Clinical statistics on patients admitted in 1984] Tanda H, et al. **Hinyokika Kiyo** 1985 Nov; 31(11):1995–202 (Eng. Abstr.) **(Jpn)**

[Clinical statistics on outpatients at the Urological Clinic of Higashi Sapporo Sanjukai Hospital in 1984] Tanda H, et al. **Hinyokika Kiyo** 1985 Oct;31(10):1743–9 (Eng. Abstr.) **(Jpn)**

[Prevalence and structure of urinary tract diseases among children in various regions of the country] Naumova VI, et al. **Pediatriia** 1985 Oct;(10):6–9 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Patterns of Schistosoma haematobium egg distribution in the human lower urinary tract. II. Obstructive uropathy. Christie JD, et al. **Am J Trop Med Hyg** 1986 Jul;35(4):752–8

Malakoplakia of the urinary tract. Arap S, et al. **Eur Urol** 1986;12(2):113–6

O-acetylated sialic acid variants in intestinal glandular metaplasia of the urinary tract. Lapertosa G, et al. **Histopathology** 1986 Jul;10(7):707–12

[Exfoliative cytological examination of the urinary tract using a membrane filter] Törzsök F, et al. **Orv Hetil** 1986 Jul 27;127(30):1807–8, 1811–2 (Eng. Abstr.) **(Hun)**

PHYSIOPATHOLOGY

The effects of renal pelvic pressure elevation on isotope nephrography and renal transit time, an experimental study. Tscholl R, et al. **J Urol** 1986 Mar;135(3):629–33

PREVENTION & CONTROL

Low incidence of urologic complications after renal transplantation. Santiago-Delpin EA, et al. **Am J Surg** 1986 Mar;151(3):374–7

New trends in urologic management of spinal cord injured patients. Lloyd LK. **Cent Nerv Syst Trauma** 1986 Winter; 3(1):3–12

[Ultrasonic scanning of the kidneys, prostate gland and urinary bladder in inpatient screening] Rybinskiĭ GA, et al. **Urol Nefrol (Mosk)** 1985 Jul–Aug;(4):8–9 **(Rus)**

PSYCHOLOGY

[Psychosomatic disorders in urology] Diederichs P. **Urologe [A]** 1986 Mar;25(2):76–81 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Contribution of cavography to diagnostics of urological diseases. Kotula V. **Czech Med** 1985;8(4):237–44

The value of angiography in gastrointestinal and urological bleeding. Lesak F, et al. **Diagn Imag Clin Med** 1986; 55(3):126–31

Urological complications in Crohn's disease. McManamon P, et al. **J Can Assoc Radiol** 1985 Sep;36(3):230–3

Uroradiographic manifestations of Burkitt's lymphoma in children. Fernbach SK, et al. **J Urol** 1986 May;135(5):986–8

Urologic complications following renal transplantation: role of interventional radiologic procedures. Bennett LN, et al. **Radiology** 1986 Aug;160(2):331–6

Symposium on uroradiology. **Urol Clin North Am** 1985 Nov; 12(4):583–823

[The upper urinary tract intermittent obstruction syndrome] Michel JR, et al. **J Radiol** 1986 Jan;67(1):3–9 **(Fre)**

[Radio-urodynamic study of the lower urinary tract] Van Cangh P, et al. **J Radiol** 1985 Oct;66(10):585–9 (Eng. Abstr.) **(Fre)**

[Results of clinical trials of Soviet-made 60% and 76% triombrast (analysis of contrasting capacity and tolerance in angiocardiography and urography examinations)] Abaava GI, et al. **Vestn Rentgenol Radiol** 1985 Sep–Oct; (5):39–43 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Role of Tc-99m diethylene triamine penta acetic acid (DTPA)—renal study in children with upper urinary tract dilatation. Padhy AK, et al. **Indian J Med Res** 1985 Sep; 82:238–47

Vesicoureteral reflux mimicking obstructive uropathy [letter] Malat J, et al. **J Nucl Med** 1986 Feb;27(2):304–5

[Quantitative evaluation of the kidney function using our method of renographic examination] Kowalczyk M, et al. **Folia Med Cracov** 1984;25(3–4):373–87 (Eng. Abstr.) **(Pol)**

REHABILITATION

[Scientific substantiation of reducing disability due to urologic diseases] Pavlova LP, et al. **Vrach Delo** 1985 Sep; (9):119–22 **(Rus)**

SURGERY

Significance of synthetic sutures in urological operations of the cavity system. Végh A, et al. **Acta Chir Hung** 1985; 26(4):215–23

Intra-uterine shunting procedures. Clewell WH. **Br J Hosp Med** 1985 Sep;34(3):149–53 (17 ref.)

One stage surgical procedures for bilateral urinary tract lesions. Rao KM, et al. **Int Surg** 1985 Oct–Dec;70(4):353–5

Prophylaxis of complications after urological abdominal surgery by substitution of plasma proteins. Bauer HW, et al. **J Surg Oncol** 1986 Mar;31(3):174–7

Outpatient surgery in pediatric urology. Roth DM, et al. **J Urol** 1986 Jan;135(1):104–5

Use of intestinal segments in urology. Cascione CJ, et al. **Nebr Med J** 1985 Sep;70(9):323–9

Vaginal surgery. **Semin Urol** 1986 Feb;4(1):1–62

Lasers and other technologic advances in urology. **Urol Clin North Am** 1986 Aug;13(3):365–562

Cavitrons in urologic surgery. Addonizio JC, et al. **Urol Clin North Am** 1986 Aug;13(3):445–54

Laser use in open surgery and external lesions. Benson RC Jr. **Urol Clin North Am** 1986 Aug;13(3):421–34 (44 ref.)

Use of the CO2 laser in urology. Schaeffer AJ. **Urol Clin North Am** 1986 Aug;13(3):393–404 (37 ref.)

Congenital obstructive uropathies. Pre- and postnatal treatment. Seeds JW, et al. **Urol Clin North Am** 1986 Feb; 13(1):155–65 (42 ref.)

Endoscopic applications of laser energy. Smith JA Jr. **Urol Clin North Am** 1986 Aug;13(3):405–19

The neodymium-yttrium aluminum garnet (Nd:YAG) laser in urology. von Eschenbach AC. **Urol Clin North Am** 1986 Aug;13(3):381–91

Antibiotic prophylaxis and urologic surgery. Love TA. **Urology** 1985 Nov;26(5 Suppl):2–5 (24 ref.)

A rational blood-ordering policy for urology. Sarma DP. **Urology** 1985 Oct;26(4):343–6

Postoperative infection in urologic surgery. Ward TT. **Urology** 1985 Nov;26(5 Suppl):6–10 (17 ref.)

[Cimetidine in the treatment of acute upper gastrointestinal hemorrhage after urological operations: report of 10 cases] Song ZL, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Jun; 23(6):357, 382 (Eng. Abstr.) **(Chi)**

[Percutaneous ultrasound-guided nephrostomy] Wimmer B, et al. **Ann Radiol (Paris)** 1985;28(7):527–32 (Eng. Abstr.) **(Fre)**

[Urologic surgery in prone position using an antistatic fitted mattress] Zerbib M, et al. **Ann Urol (Paris)** 1986;20(3):193–4 (Eng. Abstr.) **(Fre)**

[Reparative surgery of urologic complications of gynecologic surgery] Bollack C, et al. **Rev Med Suisse Romande** 1986 May;106(5):441–4 **(Fre)**

[Radiotom 804—a new high frequency surgical instrument in urology] Peters HJ. **Urologe [A]** 1986 Jan;25(1):72–3 (Eng. Abstr.) **(Ger)**

[Role of total parenteral nutrition in urologic surgery. II] Lunghi F, et al. **Minerva Urol Nefrol** 1985 Jul–Sep; 37(3):285–90 (Eng. Abstr.) **(Ita)**

[Five-year clinical statistics on operations at our department] Itoh K, et al. **Hinyokika Kiyo** 1985 Aug;31(8):1421–6 (Eng. Abstr.) **(Jpn)**

[Effect of the administration of liver extract after surgical operations in urology] Kondoh K, et al.

Hinyokika Kiyo 1986 Jan;32(1):163–7 (Eng. Abstr.) (Jpn)

[Clinical statistics of the Urological Clinic of Higashi Sapporo Sanjukai Hospital. IV. Clinical statistics on patients admitted from Nov. 1, 1978 to Dec. 31, 1983] Saka T, et al. Hinyokika Kiyo 1985 Oct;31(10):1751–9 (Eng. Abstr.) (Jpn)

[Clinical study of urological operations in elderly patients] Takeshima H, et al. Nippon Hinyokika Gakkai Zasshi 1986 Mar;77(3):409–14 (Eng. Abstr.) (Jpn)

[Interventional radiology in urinary tract obstruction] Matsunaga N, et al. Rinsho Hoshasen 1985 Dec; 30(13):1565–70 (Eng. Abstr.) (Jpn)

THERAPY

Urologic procedures. Freeman S, et al. Emerg Med Clin North Am 1986 Aug;4(3):543–60 (36 ref.)

The urological management of spinal cord damaged patients: a clinical algorithm. Gardner BP, et al. Paraplegia 1986 Jun;24(3):138–47

Embolization techniques in the urinary tract. McLean GK, et al. Urol Clin North Am 1985 Nov;12(4):743–54 (46 ref.)

[Organization of dispensary care for urological patients] Kumanov Kh, et al. Khirurgiia (Sofiia) 1985;38(5):72–4 (Eng. Abstr.) (Bul)

[Complications of the efferent urinary tract in gynecologic operations] Beck L, et al. Arch Gynecol 1985; 238(1–4):461–5 (Ger)

[Experience with the outpatient care of urological patients] Karpenko VS, et al. Urol Nefrol (Mosk) 1986 Jan–Feb; (1):9–15 (Eng. Abstr.) (Rus)

[Plasmapheresis in the combined therapy of patients with acute pyelonephritis and urosepsis] Lopatkin NA, et al. Urol Nefrol (Mosk) 1985 Nov–Dec;(6):3–9 (Eng. Abstr.) (Rus)

[Comparative evaluation of the transfusions of autologous and allogeneic blood in patients with kidney and urinary tract diseases] Dutkevich IG, et al. Vestn Khir 1985 Dec; 135(12):101–3 (Rus)

URINE

Asymptomatic microhematuria and urologic disease. A population–based study. Mohr DN, et al. JAMA 1986 Jul 11;256(2):224–9

VETERINARY

Incidence of obstructive uropathy in male B6C3F1 mice on a 24–month carcinogenicity study and its apparent prevention by ochratoxin A. Bendele AM, et al. Lab Anim Sci 1986 Jun;36(3):282–5

Urogenital problems in the neonatal foal. Richardson DW. Vet Clin North Am [Equine Pract] 1985 Apr;1(1):179–88

Cystourethroscopy in the dog. Biewenga WJ, et al. Vet Q 1985 Jul;7(3):229–31

[Evaluation of kidney function in sows with acute urinary tract inflammation] Stirnimann J, et al. Schweiz Arch Tierheilkd 1985 Sep;127(9):575–82 (Eng. Abstr.) (Ger)

UROLOGIC NEOPLASMS

[Swiss Society for Urology. 40th annual meeting. 8–10 November 1984, Lugano] Helv Chir Acta 1985 Sep; 52(3–4):413–632 (Ger)

[Transcatheter embolization in the management of pain from metastatic uroepithelial cancer] Konami T, et al. Hinyokika Kiyo 1986 May;32(5):685–9 (Eng. Abstr.) (Jpn)

ANALYSIS

Flow cytometry in urologic oncology. Stephenson RA, et al. Urol Clin North Am 1986 Aug;13(3):525–30 (42 ref.)

BLOOD

Serum parathyroid hormone levels in the hypercalcaemia of urological malignant disease. Ramsay JW, et al. J R Soc Med 1986 Jun;79(6):323–5

Zinc and cadmium plasma and erythrocyte levels in prostatic carcinoma, BPH, urological malignancies, and inflammations. Feustel A, et al. Prostate 1986;8(1):75–9

[Serum copper and zinc levels in patients with malignant neoplasm of the urogenital tract] Sanada S, et al. Hinyokika Kiyo 1985 Aug;31(8):1299–316 (Eng. Abstr.) (Jpn)

CHEMICALLY INDUCED

The effect of dietary administration of Disperse Blue 1 on the urinary system of the Fischer 344 rat. Burnett CM, et al. Food Chem Toxicol 1986 Apr;24(4):269–76

Phenacetin and cancers of the urinary tract [letter] N Engl J Med 1985 Dec 5;313(23):1479–80

Transitional cell carcinoma of the upper renal tract in rubber workers. Chapple CR, et al. Postgrad Med J 1985 Sep; 61(719):837–8

The effects of long–term dietary administration of the rubber accelerator, N–oxydiethylene thiocarbamyl–N–oxydiethylene sulfenamide, to rats. Hinderer RK, et al. Toxicol Appl Pharmacol 1986 Mar 15; 82(3):521–31

COMPLICATIONS

[Urinary diversion in anuria of tumor origin] Mompo JA, et al. Actas Urol Esp 1985 Sep–Oct;9(5):409–14 (Eng. Abstr.) (Spa)

DIAGNOSIS

Urine cytology in relation to urinary tract malignancies in renal transplant patients. Kootte AM, et al. Transplantation 1986 Jul;42(1):93–4

[Urologic tumors in old age] Debruyne FM. Tijdschr Gerontol Geriatr 1986 Apr;17(2):65–8 (Eng. Abstr.) (Dut)

[Indications and limitations of ultrasound and axial computed tomography in urologic oncology] Braeckman J, et al. Acta Urol Belg 1985;53(3):514–9 (Eng. Abstr.) (Fre)

[Present and future place of flow cytometry in urologic oncology (editorial)] Devonec M. Ann Urol (Paris) 1986; 20(3):155–7 (Fre)

DRUG THERAPY

Cisplatin, methotrexate, and vinblastine (CMV): an effective chemotherapy regimen for metastatic transitional cell carcinoma of the urinary tract. A Northern California Oncology Group study. Harker WG, et al. J Clin Oncol 1985 Nov;3(11):1463–70

Progress in treatment of advanced urothelial tract tumors [editorial] Yagoda A. J Clin Oncol 1985 Nov;3(11):1448–50

[Randomized cross–over study on the effects of methylprednisolone, metoclopramide and droperidol on the control of nausea and vomiting associated with cis–platinum chemotherapy] Niijima T, et al. Gan To Kagaku Ryoho 1986 Jul;13(7):2376–82 (Eng. Abstr.) (Jpn)

[Phase II collaborative study of (2'R)-4'-O-tetrahydropyranyladriamycin (THP) for urological malignancies—Urological Co–operative THP Study Group] Niijima T, et al. Gan To Kagaku Ryoho 1986 Feb;13(2):224–31 (Eng. Abstr.) (Jpn)

[PPA (cis–platinum), peplomycin and adriamycin) combination chemotherapy in transitional cell carcinoma of the urothelial tract—pilot study] Ono Y, et al. Nippon Gan Chiryo Gakkai Shi 1986 Feb 20;21(1):28–33 (Eng. Abstr.) (Jpn)

[Chemotherapy of urologic neoplasms—experimental approach and clinical application] Okada K. Nippon Hinyokika Gakkai Zasshi 1985 Nov;76(11):1640–2 (Jpn)

ETIOLOGY

Association of cancer of the lower urinary tract with consumption of alcoholic beverages. A case–control study. Kunze E, et al. Carcinogenesis 1986 Jan;7(1):163–5

FAMILIAL & GENETIC

Transforming activity of DNA extracted from human urological tumours. Possati L, et al. Urol Res 1986; 14(3):133–6

IMMUNOLOGY

Tissue polypeptide antigen (TPA): usefulness in urological neoplasia. Costello CB, et al. Anticancer Res 1986 Jul–Aug; 6(4):713–6

[Serum and urinary tissue polypeptide antigen (TPA) in patients with urological cancer] Kazama T, et al. Hinyokika Kiyo 1985 Dec;31(12):2113–9 (Eng. Abstr.) (Jpn)

METABOLISM

Abstracts. European Society of Urological Oncology and Endocrinology, 5th congress. 18th–20th August 1986, Edinburgh, UK. Urol Res 1986;14(3):153–73

MICROBIOLOGY

Analysis of benign and malignant urogenital tumors for human papillomavirus infection by labelling cellular DNA. de Villiers EM, et al. Med Microbiol Immunol (Berl) 1986; 174(6):281–6

PATHOLOGY

Nephrogenic adenoma. A report of 15 cases, review of the literature, and comparison with clear cell adenocarcinoma of the urinary tract. Young RH, et al. Am J Surg Pathol 1986 Apr;10(4):268–75

Urinary tract lymphoma. Lewi HJ, et al. Br J Urol 1986 Feb;58(1):16–8

How accurate is urine cytology? Curling M, et al. J R Soc Med 1986 Jun;79(6):336–8

Current status of chemotherapy sensitivity testing for urological malignancies. Chin JL, et al. J Urol 1986 Sep; 136(3):555–60 (86 ref.)

Assessment of the human tumor cloning assay for urologic malignancies with special emphasis on bladder cancer. Dittrich C, et al. Oncology 1986;43(1):40–5

Inverted papillomas of the urinary tract. A case of multiple, recurring inverted papillomas of the renal pelvis, ureter and bladder associated with malignant change. Palvio DH. Scand J Urol Nephrol 1985;19(4):299–302

[Cultivation of urologic and male genital tumor cells] Liu CJ, et al. Chung Hua Chung Liu Tsa Chih 1986 May; 8(3):178–80 (Eng. Abstr.) (Chi)

[Exfoliative cytological examination of the urinary tract using a membrane filter] Törzsök F, et al. Orv Hetil 1986 Jul 27;127(30):1807–8, 1811–2 (Eng. Abstr.) (Hun)

[Adenoma nephrogenic. Morphologic aspects] Prati GF, et al. Chir Ital 1985 Aug;37(4):412–8 (Eng. Abstr.) (Ita)

[Chemosensitivity testing using stem cell assay in urological and other malignancies] Yamamoto N, et al. Gan No Rinsho 1985 Sep;31(11):1407–14 (Eng. Abstr.) (Jpn)

[Studies on antitumor effects of human interferon (IFN). (I) In vitro antiproliferative effects of IFNs on cell lines derived from urinary tract tumors] Hayakawa M, et al. Nippon Hinyokika Gakkai Zasshi 1985 May;76(5):734–43 (Eng. Abstr.) (Jpn)

[Nephrogenic adenoma] Koike H, et al. Nippon Hinyokika Gakkai Zasshi 1985 Aug;76(8):1226–33 (Eng. Abstr.) (Jpn)

RADIOTHERAPY

Pelvic complications after interstitial and external beam irradiation of urologic and gynecologic malignancy. Schellhammer PF, et al. World J Surg 1986 Apr; 10(2):259–68 (55 ref.)

SECONDARY

Upper urinary tract transitional cell carcinoma after total cystectomy for bladder cancer. Lindell O, et al. Ann Chir Gynaecol 1985;74(6):288–93

SURGERY

[Surgical indication in aged patients with abnormal EKG] Shi PQ, et al. Chung Hua Wai Ko Tsa Chih 1985 Aug; 23(8):477–9, 510 (Eng. Abstr.) (Chi)

[Cryotherapy of urologic tumors] Steffens L. Fortschr Med 1986 Feb 6;104(5):108–11 (Eng. Abstr.) (Ger)

THERAPY

Time dependence of the radiation–modifying effect of cis–diamminedichloroplatinum II (cisplatin, DDP) on human urothelial cancer grown in nude mice. Kyriazis AP, et al. Cancer Invest 1986;4(3):217–22

[Eight–MHz RF–hyperthermia for advanced urological malignancies] Hisazumi H, et al. Gan To Kagaku Ryoho 1986 Apr;13(4 Pt 2):1381–6 (Eng. Abstr.) (Jpn)

[The in vitro assessment of various types of interferons for urological tumors by the human tumor clonogenic assay] Matsuyama H. Hinyokika Kiyo 1986 Apr;32(4):503–11 (Eng. Abstr.) (Jpn)

[Combined treatment of radiofrequency hyperthermia and irradiation in advanced urological malignancies] Nakajima K, et al. Nippon Gan Chiryo Gakkai Shi 1985 Dec 20; 20(10):2286–90 (Eng. Abstr.) (Jpn)

[Therapy of urologic neoplasms by interferons] Murai M. Nippon Hinyokika Gakkai Zasshi 1985 Nov;76(11):1622–5 (Jpn)

[Combined treatment of 8 MHz radiofrequency hyperthermia and irradiation for advanced urological malignancies] Nakajima K, et al. Nippon Hinyokika Gakkai Zasshi 1986 Feb;77(2):304–9 (Eng. Abstr.) (Jpn)

URINE

[Urine polyamine in patients with malignant urological diseases using a polyamine–test enzyme kit] Sakai S, et al. Hinyokika Kiyo 1986 May;32(5):661–5 (Eng. Abstr.) (Jpn)

UROLOGY

see related
UROLOGIC DISEASES

Training grants for the urological scientist (report of joint meeting of National Institutes of Health staff and concerned program directors). Hinman F Jr, et al. J Urol 1986 Jun; 135(6):1125–6

Revitalization of training grants [editorial] Hinman F Jr. J Urol 1986 Jun;135(6):1231

Computers in urology. Urol Clin North Am 1986 Feb; 13(1):1–128

The computer and your practice. Melnick I, et al. Urol Clin North Am 1986 Feb;13(1):47–58

Telecommunications in urology. Radwin HM. Urol Clin North Am 1986 Feb;13(1):59–64

Physician use of on–line databases. Rutledge R. Urol Clin North Am 1986 Feb;13(1):65–89

EDUCATION

Extracorporeal shock wave lithotripsy training in the United States [editorial] Cockett AT. J Urol 1986 Jun;135(6):1229

HISTORY

[20 years' of the Urology Clinic in Olomouc] Kučera J. Rozhl Chir 1985 Nov;64(11):705–7 (Cze)

[On the centenary of the publication of the first urology textbook in Poland] Nassalski M. Wiad Lek 1986 Feb 15; 39(4):283–7 (Eng. Abstr.) (Pol)

["It happened 75 years ago". The Spanish Association of

Urology founded 19 January 1911] Insausti Cordón JL. **Actas Urol Esp** 1986 Jan–Feb;10(1):1–4 (Spa)

INSTRUMENTATION

Noninvasive device to produce and maintain an erection–like state. Nadig PW, et al. **Urology** 1986 Feb;27(2):126–31
[Report of a study trip to West Berlin] Rozady E. **Orv Hetil** 1985 Sep 15;126(37):2293–5 (Hun)

TRENDS

The American Urological Association: 1984–1985. Mason JT. **J Urol** 1985 Nov;134(5):860–1
Clinical urology and basic renal research—introductory remarks. Persson AE. **Ups J Med Sci** 1985;90(2):171–2
[Urology 2001 (editorial)] Vallancien G. **Ann Urol (Paris)** 1986;20(1):7–8 (Fre)
[Occupational politics] Tscholl R. **Helv Chir Acta** 1985 Sep; 52(3–4):543–52 (Ger)
[Current problems of modern clinical urology] Lopatkin NA, et al. **Klin Med (Mosk)** 1986 Apr;64(4):3–9 (Rus)
[A word to the young] Savchenko NE, et al. **Urol Nefrol (Mosk)** 1985 Jul–Aug;(4):3–8 (Rus)

UTILIZATION

[Utilization of health services in Social Security: the neurology and nephrology specialty in the Valencia Autonomous Community] Almenar Roig FD, et al. **Actas Urol Esp** 1985 Sep–Oct;9(5):375–80 (Eng. Abstr.) (Spa)

UROLOGY DEPARTMENT, HOSPITAL see under **HOSPITAL DEPARTMENTS**

URONIC ACIDS

Presence of fucosamine in teichuronic acid of the alkalophilic Bacillus strain C–125. Aono R, et al. **Biochem J** 1986 Jan 1;233(1):291–4

ANALYSIS

The uronic acid composition of anticoagulantly active and inactive heparin. Rosenfeld L, et al. **Arch Biochem Biophys** 1985 Nov 1;242(2):574–8
Colorimetric estimation of uronic acids using 2–hydroxydiphenyl as a reagent. Vilim V. **Biomed Biochim Acta** 1985;44(11–12):1717–20
Structural studies on N–acetylmannosaminuronic acid–containing and glucuronic acid–containing teichuronic acids in the cell wall of Bacillus megaterium AHU 1375. Sasaki Y, et al. **J Biochem (Tokyo)** 1986 Mar; 99(3):713–22
Distribution of glucuronic and iduronic acid units in heparin chains. Radoff S, et al. **J Biol Chem** 1985 Dec 5; 260(28):15106–11
Continuous–flow monitoring of hexuronic acid by carbazole reaction during gel filtration of proteoglycans in urea solutions. Jeansonne N, et al. **J Chromatogr** 1986 Feb 28; 354:524–9

PHARMACODYNAMICS

Contractile activities of uronic acids on isolated rat gastric fundus. Tugrul L, et al. **Planta Med** 1985 Dec;(6):542–3

THERAPEUTIC USE

In vitro and in vivo studies with a non–aluminum phosphate–binding compound. Schneider HW, et al. **Kidney Int [Suppl]** 1986 Feb;18:S120–3

UROPEPSIN

ANTAGONISTS & INHIBITORS

[Inhibition of the catalytic activity of pepsin(ogen) in human urine. II. Isolation of uropepsin inhibitors from human urine concentrates using affinity chromatography with pepsin sepharose 4B] Friedrich K. **Z Med Lab Diagn** 1985; 26(5):261–7 (Eng. Abstr.) (Ger)

UROPORPHYRINOGEN DECARBOXYLASE see under **CARBOXY–LYASES**

UROPORPHYRINOGEN III SYNTHASE see under **HYDRO–LYASES**

UROPORPHYRINOGENS see under **PORPHYRINOGENS**

UROPORPHYRINS see under **PORPHYRINS**

UROTENSINS see under **PEPTIDES**

URSODEOXYCHOLIC ACID see under **DEOXYCHOLIC ACID**

URTICARIA

Urticaria: evaluation and treatment. Nardacci AW. **Compr Ther** 1986 May;12(5):58–63
Symposium on urticaria and the reactive inflammatory vascular dermatoses. **Dermatol Clin** 1985 Jan;3(1):1–193
Infantile multisystem inflammatory disease: another case of a new syndrome. Lampert F. **Eur J Pediatr** 1986 Apr; 144(6):593–6
[Up–date on urticaria] Finzi AF, et al. **Minerva Med** 1986 Jul 31;77(30–31):1401–6 (Ita)

BLOOD

A serological mediator in chronic idiopathic urticaria—a clinical, immunological and histological evaluation. Grattan CE, et al. **Br J Dermatol** 1986 May;114(5):583–90
Plasma protease inhibitor and anaphylatoxin inactivator levels in chronic urticaria/angioedema and in patients experiencing anaphylactoid reactions to radiographic contrast media. Mathews KP, et al. **Int Arch Allergy Appl Immunol** 1986;79(2):220–3
[Erythrocytes in allergic diseases] Odinokova VA, et al. **Lab Delo** 1985;(6):344–7 (Eng. Abstr.) (Rus)
[Interferon secretion in patients with chronic urticaria and Quincke's edema] Belonogova TS, et al. **Sov Med** 1985; (7):27–30 (Eng. Abstr.) (Rus)

CHEMICALLY INDUCED

Contact urticaria to O–phenylphenate. Tuer WF, et al. **Ann Allergy** 1986 Jan;56(1):19–21
Aspartame–induced urticaria. Kulczycki A Jr. **Ann Intern Med** 1986 Feb;104(2):207–8
The mechanism of morphine–induced urticaria [letter] McLelland J. **Arch Dermatol** 1986 Feb;122(2):138–9
Food sensitivity [letter] Ormerod AD. **Br Med J [Clin Res]** 1985 Nov 9;291(6505):1353
Urticaria from paracetamol [letter] Cole TO. **Clin Exp Dermatol** 1985 Jul;10(4):404
Contact urticaria to naphthylacetic acid. Camarasa JG. **Contact Dermatitis** 1986 Feb;14(2):113
Immediate and delayed reactions to cosmetic ingredients. Emmons WW, et al. **Contact Dermatitis** 1985 Oct; 13(4):258–65
Human assay for identifying substances which induce non–allergic contact urticaria: the NICU–test. Gollhausen R, et al. **Contact Dermatitis** 1985 Aug;13(2):98–106
Contact urticaria and respiratory symptoms from tulips and lilies. Lahti A. **Contact Dermatitis** 1986 May;14(5):317–9
Photocontact urticaria from chlorpromazine. Lovell CR, et al. **Contact Dermatitis** 1986 May;14(5):290–1
Contact sensitivity and urticaria in "wet" work.Nilsson E. **Contact Dermatitis** 1985 Nov;13(5):321–8
Contact urticaria and dermatitis from phosphorous sesquisulphide. Peña Payero ML, et al. **Contact Dermatitis** 1985 Aug;13(2):126–7
Contact sensitivity from systemic ampicillin. Pigatto PD, et al. **Contact Dermatitis** 1986 Mar;14(3):196
Contact urticaria and dermatitis from self–adhesive pads. Sterry W, et al. **Contact Dermatitis** 1985 Oct;13(4):284–5
Generalized urticaria from DNCB. Valsecchi R, et al. **Contact Dermatitis** 1986 Apr;14(4):254–5
Life–threatening contact urticaria from glove powder. van der Meeren HL, et al. **Contact Dermatitis** 1986 Mar; 14(3):190–1
Reactions to menthol. Fisher AA. **Cutis** 1986 Jul;38(1):17–8
Peroral challenge tests with food additives in urticaria and atopic dermatitis. Hannuksela M, et al. **Int J Dermatol** 1986 Apr;25(3):178–80
Long refractory period after one application of nonimmunologic contact urticaria agents to the guinea pig ear. Lahti A, et al. **J Am Acad Dermatol** 1985 Oct; 13(4):585–9
She should not have chewed [letter] Monéret–Vautrin DA, et al. **Lancet** 1986 Mar 15;1(8481):617
Lord of the flies, fleas and mosquitos—DEET (diethyltoluamide intoxication). Mack RB. **NC Med J** 1986 Jul;47(7):353–4
Food additives and urticaria [letter] Hentges K. **Postgrad Med** 1986 May 1;79(6):34
[Thaumetopoein, an urticating protein of the processionary hairs of the caterpillar (Thaumetopoea pityocampa Schiff) (Lepidoptera, Thaumetopoeidae)] Lamy M, et al. **C R Acad Sci [III]** 1985;301(5):173–6 (Eng. Abstr.) (Fre)
[Intolerance reactions to non–steroidal antiphlogistics and analgesics in chronic recurrent urticaria] Ziegler B, et al. **Dermatol Monatsschr** 1986;172(6):313–7 (Eng. Abstr.) (Ger)
[Local urticaria: rare side–effect of doxorubicin (letter)] Wandt H. **Dtsch Med Wochenschr** 1986 Feb 28;111(9):356 (Ger)
[Development of aspirin tolerance in hypersensitive persons. I. Methods of development of tolerance, aspirin refraction time and cross tolerance to other drugs] Kowalski ML, et al. **Pol Arch Med Wewn** 1986 Jan;75(1):42–8 (Pol)

CLASSIFICATION

Classification of urticaria and the reactive inflammatory vascular dermatoses. Jorizzo JL. **Dermatol Clin** 1985 Jan; 3(1):3–12

COMPLICATIONS

Cold urticaria associated with C4 deficiency and elevated IgM. Stafford CT, et al. **Ann Allergy** 1986 Apr;56(4):313–6
Cold urticaria and virus infections: a clinical and serological study in 39 patients. Doeglas HM, et al. **Br J Dermatol** 1986 Mar;114(3):311–8
Urticaria in cystic fibrosis. Laufer P. **Cutis** 1985 Sep; 36(3):245–6
Evidence for immunologically mediated pulmonary injury in the hypocomplementemic urticarial vasculitis syndrome [letter] Baer AN, et al. **J Am Acad Dermatol** 1985 Sep; 13(3):509–12
Eosinophilic cellulitis associated with urticaria. A report of two cases. Dijkstra JW, et al. **J Am Acad Dermatol** 1986 Jan;14(1):32–8
Urticaria associated with juvenile rheumatoid arthritis. Park JW. **W Va Med J** 1985 Oct;81(10):218–9
[Coincidence of light urticaria and lichen ruber planus] Keller J, et al. **Hautarzt** 1985 Sep;36(9):512–5 (Eng. Abstr.) (Ger)
[Hypocomplementemic urticarial vasculitis] Sukenik S, et al. **Harefuah** 1985 Nov;109(9):233–5 (Eng. Abstr.) (Heb)
[Urticarial vasculitis syndrome in cold–induced urticaria] Roszkiewicz J. **Przegl Dermatol** 1985 Nov–Dec; 72(6):536–41 (Eng. Abstr.) (Pol)
[An urticaria, vasculitis and hypocomplementemia syndrome. Presentation of a case] Ojeda–Durán SA, et al. **Bol Med Hosp Infant Mex** 1985 Jul;42(7):445–9 (Eng. Abstr.) (Spa)

DIAGNOSIS

The evaluation of patients with urticaria. Guin JD. **Dermatol Clin** 1985 Jan;3(1):29–49
Urticaria. Synkowski DR. **Emerg Med Clin North Am** 1985 Nov;3(4):737–45
Discrimination between urticaria–prone and other allergic patients by intradermal skin testing with codeine. Cohen RW, et al. **J Allergy Clin Immunol** 1986 Jun;77(6):802–7
[Erythema toxicum neonatorum with pustulation versus transient neonatal pustular melanosis] Hansen LP, et al. **Hautarzt** 1985 Aug;36(8):475–7 (Eng. Abstr.) (Ger)
[Hypocomplementemia with cutaneous vasculitis] Yukiyama Y. **Nippon Rinsho** 1985 Oct;43(10):2178–83 (21 ref.) (Jpn)

DRUG THERAPY

Successful treatment of idiopathic cold urticaria with the association of H1 and H2 antagonists: a case report. Duc J, et al. **Ann Allergy** 1986 Apr;56(4):355–7
Prevention of mast–cell degranulation by ketotifen in patients with physical urticarias. Huston DP, et al. **Ann Intern Med** 1986 Apr;104(4):507–10
Terfenadine and placebo compared in the treatment of chronic idiopathic urticaria: a randomised double–blind study. Ferguson J, et al. **Br J Clin Pharmacol** 1985 Dec; 20(6):639–41
Terfenadine in chronic urticaria: a comparison with clemastine and placebo. Fredriksson T, et al. **Cutis** 1986 Aug;38(2):128–30
Treatment of urticaria. Monroe EW. **Dermatol Clin** 1985 Jan; 3(1):51–5
Physical urticaria. Sibbald RG. **Dermatol Clin** 1985 Jan; 3(1):57–69
Colchicine treatment of urticarial vasculitis. Werni R, et al. **Dermatologica** 1986;172(1):36–40
Calcium channel blocking agents in the treatment of urticaria [letter] Figueiredo A, et al. **Diabetes Care** 1986 Mar–Apr; 9(2):215–6
The urticarias. Current concepts in pathogenesis and treatment. Mathews KP. **Drugs** 1985 Dec;30(6):552–60
Efficacy and safety of astemizole, a long–acting and nonsedating H1 antagonist for the treatment of chronic idiopathic urticaria. Bernstein IL, et al. **J Allergy Clin Immunol** 1986 Jan;77(1 Pt 1):37–42
Doxepin in the treatment of chronic urticaria [letter] Ledo A, et al. **J Am Acad Dermatol** 1985 Dec;13(6):1058–9
Urticarial vasculitis: response to dapsone and colchicine [letter] Muramatsu C, et al. **J Am Acad Dermatol** 1985 Dec; 13(6):1055
Warfarin sodium therapy for chronic urticaria and angioedema [letter] Duvall LA, et al. **South Med J** 1986 Mar;79(3):389
[Self assessment of the effect of antihistaminics by patients with chronic recurring urticaria] Ziegler B, et al. **Dermatol Monatsschr** 1986;172(3):163–7 (Eng. Abstr.) (Ger)
[Effect of ketotifen in urticaria factitia and urticaria cholinergica in a crossover double–blind trial] Cap JP, et al. **Hautarzt** 1985 Sep;36(9):509–11 (Eng. Abstr.) (Ger)
[Ketotifen treatment of chronic urticaria. An open study of therapeutically difficult courses] Taube KM, et al. **Z Hautkr** 1985 Dec 1;60(23):1878, 1881–2, 1885 (Eng. Abstr.) (Ger)
[Photodesensitization in a case of type V solar urticaria] Goitre M, et al. **G Ital Dermatol Venereol** 1986 May–Jun; 121(3):235–6 (Eng. Abstr.) (Ita)
[Therapeutic effect of beta–carotene on solar urticaria (type IV). A case report] Saito N, et al. **Nippon Naika Gakkai Zasshi** 1985 Aug;74(8):1118–24 (Jpn)

ETIOLOGY

IgE–mediated anaphylaxis to mustard. Widström L, et al. **Acta Derm Venereol (Stockh)** 1986;66(1):70–1
Local immunodeficiency of the intestinal mucosa—a contribution to etiopathogenesis of recurrent urticaria and

diarrhoea. Kikindjanin V, et al. **Allerg Immunol (Leipz)** 1985;31(3):183–8
Cold urticaria. Lin RY, et al. **Am Fam Physician** 1986 Feb; 33(2):145–50
Mechanical trauma and urticaria. Black AK. **Am J Ind Med** 1985;8(4–5):297–303
Anaphylactoid and systemic reactions following saline enema administration. Six case reports. Lozynsky OA, et al. **Ann Allergy** 1986 Jan;56(1):62–6
Solar urticaria. The relationship of photoallergen and action spectrum. Kojima M, et al. **Arch Dermatol** 1986 May; 122(5):550–5
Urticaria in Thai children. Tuchinda M, et al. **Asian Pac J Allergy Immunol** 1986 Jun;4(1):41–5
Mites and chronic urticaria [letter] Di Berardino L, et al. **Boll Ist Sieroter Milan** 1986;65(2):161
Systemic disease and chronic urticaria. Dupont C. **Br J Clin Pract** 1986 Apr;40(4):169–70
A case of porphyria cutanea tarda with experimental light urticaria. Ichihashi M, et al. **Br J Dermatol** 1985 Dec; 113(6):745–50
Contact urticaria to plants. Lahti A. **Clin Dermatol** 1986 Apr–Jun;4(2):127–36
Painful urticaria heralding the appearance of Philadelphia chromosome positive acute myeloid leukaemia [letter] Stockley RJ, et al. **Clin Lab Haematol** 1986;8(2):161–2
Contact urticaria due to nylon. Dooms–Goossens A, et al. **Contact Dermatitis** 1986 Jan;14(1):63
Dermatitis and urticaria from rubber and plastic gloves. Estlander T, et al. **Contact Dermatitis** 1986 Jan;14(1):20–5
Contact urticaria to strawberry. Grattan CE, et al. **Contact Dermatitis** 1985 Sep;13(3):191–2
Skin contact with gold and gold alloys. Rapson WS. **Contact Dermatitis** 1985 Aug;13(2):56–65 (68 ref.)
Occupational contact urticaria from penicillin. Rudzki E, et al. **Contact Dermatitis** 1985 Sep;13(3):192
Temperature effects in contact urticaria. Temesvári E, et al. **Contact Dermatitis** 1985 Sep;13(3):199–200
Solar urticaria. Armstrong RB. **Dermatol Clin** 1986 Apr; 4(2):253–9
The pathogenesis of urticaria. Keahey TM. **Dermatol Clin** 1985 Jan;3(1):13–28
Cnidarismus nudorum: A new epidemiological and clinical entity [letter] Maretic Z. **Dermatologica** 1986;172(2):123–5
The syndrome of immediate reactivities (contact urticaria syndrome). An historical study from a dermatology practice. I. Age, sex, race, and putative substances. Elpern DJ. **Hawaii Med J** 1985 Nov;44(11):426, 428, 437–8 passim
Exacerbating factors in recurrent urticaria [letter] Dupont C. **Int J Dermatol** 1986 Jun;25(5):334
Possible role of diet in delayed pressure urticaria—preliminary report. Davis KC, et al. **J Allergy Clin Immunol** 1986 Apr;77(4):566–9
Combined cold– and heat–induced cholinergic urticaria. Farnam J, et al. **J Allergy Clin Immunol** 1986 Aug; 78(2):353–7
Cold urticaria. Clinical findings in 220 patients. Neittaanmäki H. **J Am Acad Dermatol** 1985 Oct;13(4):636–44
Hyperthyroidism and urticaria [letter] Ertel NH. **JAMA** 1985 Nov 8;254(18):2553–4
Adrenergic urticaria: a new form of stress–induced hives. Shelley WB, et al. **Lancet** 1985 Nov 9;2(8463):1031–3
Hepatitis B vaccine: urticarial reaction [letter] De Silva L, et al. **Med J Aust** 1985 Sep 30;143(7):323–4
Unwrapping urticaria. The role of food additives. Podell RN. **Postgrad Med** 1985 Dec;78(8):83–4, 87–8, 92 passim
Urticaria among Danish children in general practice. Sørensen HT, et al. **Scand J Prim Health Care** 1985 May; 3(2):87–9
[Urticaria caused by processionary caterpillars] Bauer T, et al. **Ugeskr Laeger** 1985 Aug 5;147(32):2514–5 (Eng. Abstr.) **(Dan)**
[Gastroenteritis and acute urticaria in a child] Sørensen HT. **Ugeskr Laeger** 1985 Jul 1;147(27):2161 (Eng. Abstr.) **(Dan)**
[Urticarial vasculitis associated with apparently primary Gougerot–Sjögren syndrome] Rostoker G, et al. **Ann Dermatol Venereol** 1986;113(1):59–62 **(Fre)**
[Role of free radicals in chronic urticaria. Therapeutic effect of free radical scavengers (letter)] Moneret–Vautrin DA, et al. **Presse Med** 1986 Feb 1;15(4):164 **(Fre)**
[Contact urticaria] Kleinhans D. **Derm Beruf Umwelt** 1985; 33(6):198–203 (Eng. Abstr.) **(Ger)**
[Urticarial vasculitis] Bonelli U, et al. **G Ital Dermatol Venereol** 1985 Jul–Aug;120(4):265–70 (Eng. Abstr.) **(Ita)**
[Milk allergy in prurigo and urticaria] Rudzki E, et al. **Przegl Dermatol** 1985 Nov–Dec;72(6):558–62 (16 ref.) **(Pol)**
[Pathological symptoms and skin changes in humans caused by the bites of insects from the Simuliidae family] Wach B. **Przegl Dermatol** 1985 May–Jun;72(3):263–7 (Eng. Abstr.) **(Pol)**
[Allergic conditions in children caused by wasp bites] Zubova VA. **Pediatriia** 1986 May;(5):58–9 **(Rus)**
[Urticaria due to physical factors] Mijailović B, et al. **Vojnosanit Pregl** 1986 May–Jun;43(3):220–4 **(Ser)**
[Generalized urticaria due to food allergy (codfish)] Ferré A, et al. **Med Cutan Ibero Lat Am** 1985;13(4):327–9 (Eng. Abstr.) **(Spa)**
[Cutaneous reaction due to spider pollito (Grammostola doeringi)] Esteso SC, et al. **Rev Fac Cien Med Univ Nac Cordoba** 1984;42(3):35–8 (Eng. Abstr.) **(Spa)**
[Urticaria–causing coelenterates of the Spanish coasts: medical and health study of nematotoxism] Mira Gutiérrez J. **Rev Sanid Hig Publica (Madr)** 1985 Nov–Dec; 59(11–12):1359–86 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Eosinophilic synovitis: clinical observations on a newly recognized subset of patients with dermatographism. Brown JP, et al. **Arthritis Rheum** 1986 Sep;29(9):1147–51
Anti–endomysium antibodies in a patient with chronic urticaria [letter] Chorzelski T, et al. **Br J Dermatol** 1985 Nov;113(5):631
Serum proteins and immunoglobulins in contact urticaria. Temesvári E, et al. **Contact Dermatitis** 1985 Sep;13(3):197–8
Absence of immunologic abnormalities in chronic urticaria [letter] Dupont C. **J Am Acad Dermatol** 1986 Jun;14(6):1088
[Detection of specific IgE antibodies in veterinarians with contact urticaria] Kalveram KJ, et al. **Z Hautkr** 1986 Jan; 61(1–2):75–8, 81 (Eng. Abstr.) **(Ger)**
[A case of allergic food urticaria due to fish. (2) Cross reactivity and antigenic activity of white and red fish antigens] Yasuda K, et al. **Arerugi** 1985 Dec;34(12):1081–6 (Eng. Abstr.) **(Jpn)**
[Effect of sera from urticaria patients on purified rat mast cells] Tanii T. **Nippon Hifuka Gakkai Zasshi** 1985 Jul; 95(8):845–57 **(Jpn)**
[Generation of eosinophil chemotactic factor of anaphylaxis in patients with cold urticaria and study of its in vitro chemotactic deactivation] Ibáñez MD, et al. **Med Clin (Barc)** 1986 May 17;86(19):794–7 (Eng. Abstr.) **(Spa)**

OCCURRENCE

Incidence of contact urticaria. Rudzki E, et al. **Contact Dermatitis** 1985 Oct;13(4):279
The syndrome of immediate reactivities (contact urticaria syndrome) an historical study from a dermatology practice. III. General discussion and conclusions. Elpern DJ. **Hawaii Med J** 1986 Jan;45(1):10–2
The syndrome of immediate reactivities (contact urticaria syndrome). An historical study from a dermatology practice. II. The atopic diathesis and drug reactions. Elpern DJ. **Hawaii Med J** 1985 Dec;44(12):466–8

PARASITOLOGY

[Cryptosporidium enteritidis. Occurrence in southern Lower Saxony. Study of urticaria as an example] Qadripur SA, et al. **Dermatol Monatsschr** 1985;171(7):438–42 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Cholinergic urticaria shows neutrophilic inflammation. Winkelmann RK. **Acta Derm Venereol (Stockh)** 1985; 65(5):432–4
Immunofluorescent and histologic study of cold urticaria. Winkelmann RK. **Arch Dermatol Res** 1985;278(1):37–40
Neutrophilic urticaria [letter] Warin RP. **Br J Dermatol** 1986 Mar;114(3):393
Pressure urticaria—histopathological study. Winkelmann RK, et al. **Clin Exp Dermatol** 1986 Mar;11(2):139–47
The contact urticaria syndrome. Burdick AE, et al. **Dermatol Clin** 1985 Jan;3(1):71–84 (171 ref.)
Urticarial vasculitis. Gammon WR. **Dermatol Clin** 1985 Jan; 3(1):97–105
The histology and immunopathology of dermographism. Winkelmann RK. **J Cutan Pathol** 1985 Dec;12(6):486–92
[Urticarial plaque and papule disease of pregnancy] Madero Villegas JA, et al. **Ginecol Obstet Mex** 1985 Aug;53:217–20 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Enhanced weal and flare response to histamine in chronic idiopathic urticaria. Krause LB, et al. **Br J Clin Pharmacol** 1985 Nov;20(5):486–8
Solar urticaria: mechanism and treatment. Juhlin L, et al. **Photodermatol** 1986 Jun;3(3):164–8

PREVENTION & CONTROL

Effect of ketotifen treatment on cold–induced urticaria. St–Pierre JP, et al. **Ann Allergy** 1985 Dec;55(6):840–3

PSYCHOLOGY

Hostile personality characteristics, dysthymic states and neurotic symptoms in urticaria, psoriasis and alopecia. Lyketsos GC, et al. **Psychother Psychosom** 1985; 44(3):122–31
[Study of personality in patients with chronic urticaria using the 16–PF questionnaire] Anastagasti JI, et al. **Rev Clin Esp** 1986 Mar;178(4):177–80 (Eng. Abstr.) **(Spa)**

RADIOTHERAPY

Ultraviolet light therapy in chronic urticaria. Hannuksela M, et al. **Acta Derm Venereol (Stockh)** 1985;65(5):449–50

THERAPY

Treatment of chronic urticaria with PUVA or UVA plus placebo: a double–blind study. Olafsson JH, et al. **Arch Dermatol Res** 1986;278(3):228–31
Severe solar urticaria: active and passive action spectra and hyposensitizing effect of different UV modalities. Kalimo K, et al. **Photodermatol** 1986 Jun;3(3):194–5
[Antiallergic immunoglobulin in the therapy of patients with allergic dermatoses] Shevliakov LV, et al. **Vestn Dermatol Venerol** 1986;(1):44–8 (Eng. Abstr.) **(Rus)**

URTICARIA, GIANT see **ANGIONEUROTIC EDEMA**

URTICARIA PIGMENTOSA

BLOOD

Basophil/mast cell precursors in mast cell proliferative disorders. Denburg JA, et al. **Clin Invest Med** 1986; 9(1):21–5

COMPLICATIONS

Functional asplenia in malignant mastocytosis. Roth J, et al. **J Nucl Med** 1985 Oct;26(10):1149–52
Osteoporosis and mastocytosis with late appearance of urticaria pigmentosa. Colver GB, et al. **J R Soc Med** 1985 Oct;78(10):866–7
Systemic mastocytosis with extensive large cutaneous mastocytomas: surgical management. McDermott WV, et al. **J Surg Oncol** 1985 Dec;30(4):221–5
Mixed organic brain syndrome as a manifestation of systemic mastocytosis. Rogers MP, et al. **Psychosom Med** 1986 Jul–Aug;48(6):437–47

DIAGNOSIS

Hepatic involvement in systemic mast cell disease. Yam LT, et al. **Am J Med** 1986 May;80(5):819–26
Case report 369: Systemic mastocytosis. Rodenberg JC, et al. **Skeletal Radiol** 1986;15(4):334–7
[Prolonged losses of consciousness disclosing mastocytosis of the telangiectasia macularis eruptiva perstans type] Bonnefoy M, et al. **Ann Dermatol Venereol** 1986; 113(3):259–62 **(Fre)**
[Nettleship's disease in a 6–month–old girl] Kopyść Z, et al. **Pediatr Pol** 1985 Nov–Dec;60(11–12):802–5 **(Pol)**
[Systemic mastocytosis. A clinical, cytological and ultrastructural study] Vilaseca J, et al. **Med Clin (Barc)** 1986 Jun 21;87(4):156–8 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Minimal effect of complete H1 receptor blockade on urticaria pigmentosa. Krause LB, et al. **Acta Derm Venereol (Stockh)** 1985;65(4):338–40
Disodium cromoglycate in the treatment of systemic mastocytosis involving only bone. Alexander RR. **Acta Haematol (Basel)** 1985;74(2):108–10
Treatment of urticaria pigmentosa with corticosteroids. Barton J, et al. **Arch Dermatol** 1985 Dec;121(12):1516–23
[PUVA therapy of mastocytosis patients] Kasimov N. **Vestn Dermatol Venerol** 1986;(1):28–31 (Eng. Abstr.) **(Rus)**
[Effectiveness of zaditen in the treatment of mastocytosis in children] Kasimov N. **Vestn Dermatol Venerol** 1985 Oct; (10):52–4 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Serine proteinases in human cutaneous mastocytosis. Fräki JE, et al. **Arch Dermatol Res** 1986;278(5):363–6

FAMILIAL & GENETIC

Familial urticaria pigmentosa. Fowler JF Jr, et al. **Arch Dermatol** 1986 Jan;122(1):80–1

IMMUNOLOGY

Oligoclonal immunoglobulins in mastocytosis. Meggs WJ, et al. **Ann Intern Med** 1985 Dec;103(6 (Pt 1)):894–5
Failure of sulfites to produce clinical responses in patients with systemic mastocytosis or recurrent anaphylaxis: results of a single–blind study. Meggs WJ, et al. **J Allergy Clin Immunol** 1985 Dec;76(6):840–6

METABOLISM

Effects of isoprenaline and terbutaline on urinary excretion of histamine and its two main metabolites in systemic mastocytosis. van Doormaal JJ, et al. **Agents Actions** 1986 Apr;18(1–2):269–72
Metabolic fate of endogenously synthesized prostaglandin D2 in a human female with mastocytosis. Roberts LJ 2d, et al. **Prostaglandins** 1985 Sep;30(3):383–400

PATHOLOGY

Dermal mast cells in mastocytosis: fixation, distribution and quantitation. Olafsson JH, et al. **Acta Derm Venereol (Stockh)** 1986;66(1):16–22
Cutaneous and systemic mastocytosis in adults. A clinical, histopathological and immunological evaluation in relation to histamine metabolism. Olafsson JH.

Acta Derm Venereol [Suppl] (Stockh) 1985;115:1-43 (136 ref.)

Adult-onset urticaria pigmentosa and systemic mast cell disease. Travis WD, et al. **Am J Clin Pathol** 1985 Dec; 84(6):710-4

The bone marrow in urticaria pigmentosa and systemic mastocytosis. Cell composition and mast cell density in relation to urinary excretion of tele-methylimidazoleacetic acid. Ridell B, et al. **Arch Dermatol** 1986 Apr;122(4):422-7

A rare clinical manifestation of localized cutaneous mastocytosis [letter] Prens EP, et al. **J Am Acad Dermatol** 1986 Aug;15(2 Pt 1):291-3

Bleeding after liver biopsy in a patient with systemic mastocytosis and malabsorption. Adler SN, et al. **J Clin Gastroenterol** 1985 Aug;7(4):350-3

Ultrastructure of the immediate, histamine-mediated microvascular response in human skin with urticaria pigmentosa. Ludatscher RM. **Microvasc Res** 1986 May; 31(3):345-55

Case records of the Massachusetts General Hospital. Case 38-1986. A 73-year-old man with diffuse osteosclerotic lesions. N **Engl J Med** 1986 Sep 25;315(13):816-24

[Diffuse cutaneous Degos mastocytosis in an infant. 1] Hums R, et al. **Dermatol Monatsschr** 1985;171(11):731-6 **(Ger)**

[Systemic mastocytosis without skin involvement. Presentation of a case and review of the literature] Luraschi A, et al. **Minerva Med** 1985 Oct 6;76(38):1761-6 (Eng. Abstr.) **(Ita)**

[Primary systemic mastocytosis. Apropos of a case] Hurtado Santos J, et al. **Sangre (Barc)** 1985;30(4-A):463-9 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Radiologic case study. Systemic mastocytosis. Griffiths H, et al. **Orthopedics** 1985 Oct;8(10):1310-5

THERAPY

Urticaria pigmentosa and natural sunlight [letter] Vire G, et al. **J Am Acad Dermatol** 1986 Apr;14(4):687-8

USNIC ACID see under **BENZOFURANS**

USTILAGINALES see under **BASIDIOMYCETES**

USTILAGO see under **BASIDIOMYCETES**

UTERINE CONTRACTION

Premature contractions: are they caused by maternal standing? Schneider KT, et al. **Acta Genet Med Gemellol (Roma)** 1985;34(3-4):175-8

A comparison of uterine motility in the pregnant and non-pregnant cynomolgus monkey (Macaca fascicularis) and pregnant woman: a manometric and electromyographic study. Germain G, et al. **Acta Physiol Hung** 1986; 67(1):95-115

Cholinergic and adrenergic neural control of smooth muscle function in the non-pregnant rat uterine cervix. Stjernquist M, et al. **Acta Physiol Scand** 1985 Jul;124(3):429-36

Nonstress and contraction stress testing of baboon fetuses. Brans YW, et al. **Am J Obstet Gynecol** 1986 Aug; 155(2):435-6

The relationship of the nonstress test to gestational age. Druzin ML, et al. **Am J Obstet Gynecol** 1985 Oct 15; 153(4):386-9

Uterine activity during pregnancy in ambulatory patients: comparison of singleton and twin gestations. Newman RB, et al. **Am J Obstet Gynecol** 1986 Mar;154(3):530-1

Intrapartum fetal monitoring and uterine rupture [letter] Pollack DN, et al. **Am J Obstet Gynecol** 1985 Oct 1; 153(3):342-3

Electrical and mechanical uterine activity and gap junctions in peripartal sheep. Verhoeff A, et al. **Am J Obstet Gynecol** 1985 Oct 15;153(4):447-54

Breast stimulation contraction stress test: uterine contractions in the absence of oxytocin release. Ross MG, et al. **Am J Perinatol** 1986 Jan;3(1):35-7

Fetal vascular pressure and heart rate responses to nonlabor uterine contractions. Brace RA, et al. **Am J Physiol** 1986 Aug;251(2 Pt 2):R409-16

Uteroplacental O2 uptake: continuous measurements during uterine quiescence and contractions. Longo LD, et al. **Am J Physiol** 1986 Jun;250(6 Pt 2):R1099-107

Direction of uterine contractions during estrus in ewes: a reevaluation. Toutain PL, et al. **Am J Physiol** 1985 Oct; 249(4 Pt 2):R410-6

Synchronization of uterine contractions recorded by guard-ring tocodynamometer. Nakahara H, et al. **Asia Oceania J Obstet Gynaecol** 1986 Mar;12(1):137-42

Contributions of the fetoplacental unit to augmented uterine prostaglandin levels periparturition in the rat. Wilson L Jr, et al. **Biol Reprod** 1985 Oct;33(3):612-7

The aetiology of preterm labour. White DR, et al. **Br J Obstet Gynaecol** 1986 Jul;93(7):733-8

The clinical and biological significance of the bottom line. Silverman F, et al. **Clin Obstet Gynecol** 1986 Mar; 29(1):43-50

Essential prolonged and hypertonic contractions. Sieprath PJ, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Jan; 21(1):49-52

Prepartum and intrapartum breast stimulation in obstetrics. A review. Curtis P, et al. **J Reprod Med** 1986 Apr; 31(4):228-30

A new data analyzing tocodynamometer and its suitability for clinical application. Furuya H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Oct; 37(10):2121-9

Breast massage to obtain contraction stress test. Gantes M, et al. **Nurs Res** 1985 Nov-Dec;34(6):338-41

Uterine responses to three techniques of breast stimulation. Curtis P, et al. **Obstet Gynecol** 1986 Jan;67(1):25-8

Antepartal uterine hypercontractility [letter] Elliott JP. **Obstet Gynecol** 1986 Jul;68(1):143-4

Oxytocin and prolactin responses associated with nipple stimulation contraction stress tests. Finley BE, et al. **Obstet Gynecol** 1986 Jun;67(6):836-9

Correlation between subjective labour pain and uterine contractions: a clinical study. Corli O, et al. **Pain** 1986 Jul; 26(1):53-60

Effect of a diabetic state on myometrial ultrastructure and isolated uterine contractions in the rat. McMurtrie EM, et al. **Proc Soc Exp Biol Med** 1985 Dec;180(3):497-504

Contraction stress test by nipple stimulation: efficacy and safety. Palmer SM, et al. **South Med J** 1986 Sep; 79(9):1102-5

[Circadian rhythm of rabbit uterus contractions] Oikawa T, et al. **Nippon Heikatsukin Gakkai Zasshi** 1985 Aug; 21(4):317-9 **(Jpn)**

[A study of (Ca2+-Mg2+)-, and actomyosin-ATPase activities in pregnant myometrium and the functional modification by calmodulin] Kodaira H. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Jul; 38(7):1095-103 (Eng. Abstr.) **(Jpn)**

[Studies on the electromyogram of the maternal abdominal surface--the significance and the clinical application] Nagasawa K. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Sep;37(9):1866-74 (Eng. Abstr.) **(Jpn)**

[Test of uterine contraction induced by stimulation of the nipples] Breborowicz G, et al. **Ginekol Pol** 1986 Jun; 57(6):414-9 (Eng. Abstr.) **(Pol)**

[Selected elements of exertion physiology as an introduction to physiopathology in obstetrics and perinatology. II. Factors of physiological regulation of energy metabolism during physical exertion. Participation of energy substrates in exertion metabolism] Brodziński W. **Ginekol Pol** 1985 Apr;56(4):214-21 (Eng. Abstr.) **(Pol)**

[Selected elements of physical exertion physiology as an introduction to physiopathology in obstetrics and gynecology. II. The factors of physiological regulation of energy metabolism during physical exertion] Brodziński W. **Ginekol Pol** 1985 May-Jun;56(5-6):358-63 (Eng. Abstr.) **(Pol)**

[Selected elements of the physiology of physical exertion as the introduction to physiopathology in obstetrics and perinatology. II. Factors of physiological regulation of energy metabolism during physical exertion. Neurohormonal regulation: the adrenergic system] Brodziński W. **Ginekol Pol** 1985 Oct;56(10):585-91 (Eng. Abstr.) **(Pol)**

[Incidence of respiratory distress in premature infants delivered by cesarean section in relation to the onset of uterine contractions and rupture of fetal membranes] Marianowski L, et al. **Ginekol Pol** 1985 Mar;56(3):159-64 (Eng. Abstr.) **(Pol)**

[Comparative evaluation of the status of central hemodynamics after different methods of administration of the beta-adrenomimetic alupent in the treatment of discoordination of labor contractions] Abramchenko VV, et al. **Akush Ginekol (Mosk)** 1986 Jan;(1):47-8 (Eng. Abstr.) **(Rus)**

[Status of the fetoplacental system in high-risk pregnancy] Dobrotina AF, et al. **Akush Ginekol (Mosk)** 1985 Dec; (12):32-4 (Eng. Abstr.) **(Rus)**

[Correction of uterine contractile function in uncoordinated labor] Galichanin IA, et al. **Akush Ginekol (Mosk)** 1985 Aug;(8):17-20 (Eng. Abstr.) **(Rus)**

[Various pathogenetic mechanisms of the development of abnormal uterine contractile activity] Gazazian MG. **Akush Ginekol (Mosk)** 1986 Jan;(1):31-4 (Eng. Abstr.) **(Rus)**

[Clinical use of cardiotocography in the diagnosis of chronic fetal hypoxia] Kirakosian SA, et al. **Akush Ginekol (Mosk)** 1986 Mar;(3):16-8 (Eng. Abstr.) **(Rus)**

[Diagnosis and treatment of disorders of the contractile activity of the uterus during the preliminary period] Kurysheva KA, et al. **Akush Ginekol (Mosk)** 1986 Jan; (1):24-6 (Eng. Abstr.) **(Rus)**

[Uterine electrostimulation as a method of decreasing hemorrhage during cesarean section] Mirovich DIu, et al. **Akush Ginekol (Mosk)** 1985 Aug;(8):51-3 (Eng. Abstr.) **(Rus)**

[Role of the beta-adrenoreceptor inhibitory mechanism in regulating the contractile activity of the human uterus] Tsirkin VI, et al. **Akush Ginekol (Mosk)** 1986 Jan;(1):19-22 (Eng. Abstr.) **(Rus)**

[Contractile properties of smooth muscle cells of the horns, cervix and broad ligament of the pig uterus] Tsirkin VI. **Fiziol Zh SSSR** 1986 Jun;72(6):818-29 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

The effect on the human uterus of two newly developed competitive inhibitors of oxytocin and vasopressin. Akerlund M, et al. **Acta Obstet Gynecol Scand** 1985; 64(6):499-504

Effect of pharmacologically active agents upon the human myometrium in vivo. Theoretical and technical aspects. Joelsson I, et al. **Acta Obstet Gynecol Scand** 1985; 64(7):571-5

Effect upon the human myometrium during early pregnancy of the prostaglandin F2 alpha and its analogue 15(S)-15-methyl-PGF2 alpha. Rydnert J. **Acta Obstet Gynecol Scand** 1986;65(2):175-80

Effect of the naturally occurring prostaglandins E2 and F2 alpha on the human myometrium in vivo during pregnancy. Rydnert J, et al. **Acta Obstet Gynecol Scand** 1985; 64(7):577-82

Differences in contractile activation between human myometrium and intramyometrial arteries. Maigaard S, et al. **Acta Physiol Scand** 1985 Jul;124(3):371-9

Paradoxical response to intravenous terbutaline. Bhat N, et al. **Am J Obstet Gynecol** 1985 Oct 1;153(3):310-1

Myometrial desensitization to continuous but not to intermittent beta-adrenergic agonist infusion in the sheep. Casper RF, et al. **Am J Obstet Gynecol** 1986 Feb; 154(2):301-5

Single injection of terbutaline in term labor. II. Effect on uterine activity. Ingemarsson I, et al. **Am J Obstet Gynecol** 1985 Dec 15;153(8):865-9

Effect of oxytocin on spontaneous electrical and mechanical activities in pregnant human myometrium. Kawarabayashi T, et al. **Am J Obstet Gynecol** 1986 Sep;155(3):671-6

The effect of aminophylline on uterine smooth muscle contractility and prostaglandin production in the pregnant rat uterus in vitro. Laifer SA, et al. **Am J Obstet Gynecol** 1986 Jul;155(1):212-5

Relaxant effects of sulfonylureas on induced contractions of rat uterine smooth muscle: role of intracellular calcium. Villar A, et al. **Arch Int Pharmacodyn Ther** 1986 Feb; 279(2):248-57

Effects of chlorpromazine and the antidepressant drugs amitriptyline, clomipramine and mianserin on the Ca-depleted rat uterus. Villar A, et al. **Arch Int Pharmacodyn Ther** 1985 Oct;277(2):264-71

Uterine activity in the second stage of labour and the effect of epidural analgesia. Bates RG, et al. **Br J Obstet Gynaecol** 1985 Dec;92(12):1246-50

The effect of oxytocin infusion on uterine activity levels in slow labour. Steer PJ, et al. **Br J Obstet Gynaecol** 1985 Nov;92(11):1120-6

Interruption of first trimester human pregnancy following Epostane therapy. Effect of prostaglandin E2 pessaries. Webster MA, et al. **Br J Obstet Gynaecol** 1985 Sep; 92(9):963-8

Myometrial activity in first trimester human pregnancy after Epostane therapy. Effect of intravenous oxytocin. Webster MA, et al. **Br J Obstet Gynaecol** 1985 Sep;92(9):957-62

The effects of long-term infusion of salbutamol, diltiazem and nifedipine on uterine contractions in the ovariectomized, post-partum rat. Abel MH, et al. **Br J Pharmacol** 1986 Jul;88(3):577-84

Isolation and contractile responses of single pregnant rat myometrial cells in short-term primary culture and the effects of pharmacological and electrical stimuli. Amédée T, et al. **Br J Pharmacol** 1986 Aug;88(4):873-80

The spasmogenic action of oxytocin in the rat uterus--comparison with other agonists. Edwards D, et al. **Br J Pharmacol** 1986 Aug;88(4):899-908

Effects of calcium entry blockers on tension development and calcium influx in rat uterus. Granger SE, et al. **Br J Pharmacol** 1986 Jan;87(1):147-56

Experimental testing of Mackay's model for functional antagonism in the isolated costo-uterus of the rat. Henry PJ, et al. **Br J Pharmacol** 1985 Sep;86(1):131-9

Changes in the mechanical properties of the longitudinal and circular muscle tissues of the rat myometrium during gestation. Izumi H. **Br J Pharmacol** 1985 Sep;86(1):247-57

Structure-desensitization relationships of angiotensin analogues in the rat isolated uterus. Moore GJ, et al. **Can J Physiol Pharmacol** 1985 Aug;63(8):966-71

Progesterone receptor blockage. Effect on uterine contractility and early pregnancy. Bygdeman M, et al. **Contraception** 1985 Jul;32(1):45-51

Rabbit uterine oxytocin receptors and in vitro contractile response: abrupt changes at term and the role of eicosanoids. Riemer RK, et al. **Endocrinology** 1986 Aug; 119(2):699-709

GABAB receptors in the rabbit uterus may mediate contractile responses. Riesz M, et al. **Eur J Pharmacol** 1985 Dec 17;119(3):199-204

Forskolin effects on longitudinal myometrial strips from the pregnant rat: relationship with membrane potential and cyclic AMP. Smith DD, et al. **Eur J Pharmacol** 1986 Mar 11;122(1):29-35

Effects of compound D600 (methoxyverapamil) on drug-induced contractions of isolated dog uterine muscle. Calixto JB, et al. **Gen Pharmacol** 1986;17(2):203-9

Intracellular site of "Ca reversal": inhibition of uterine smooth muscle contraction in Ca-free medium by a minute amount of Ca ion released from mitochondria by drugs. Sakai K, et al. **Gen Pharmacol** 1986;17(2):151-6

Effects of free fatty acids and L-carnitine on the spontaneous motility of rat isolated uterine horn. Arduini D, et al. **Gynecol Obstet Invest** 1986;21(4):198-201

Oxytocic action of prostaglandin E1—role of 5-hydroxytryptamine. Acharya SB, et al. **Indian J Exp Biol** 1985 Feb;23(2):92–4

Response of isolated uterus of rat, hamster and guinea pig to different uterine stimulants. Mehrotra PK, et al. **Indian J Exp Biol** 1985 Oct;23(10):572–3

Modulation of 5-hydroxytryptamine–evoked responses of the isolated rat uterus by imidazole, a phosphodiesterase stimulator. Singh M, et al. **Indian J Physiol Pharmacol** 1985 Jan–Mar;29(1):39–42

Effect of oxytocin, prostaglandin F2 alpha and reproductive tract manipulations on uterine contractility in Holstein cows on days 0 and 7 of the estrous cycle. Cooper MD, et al. **J Anim Sci** 1986 Jul;63(1):151–61

Uterine contractility and actions of catecholamines in longitudinal and circular uterine layers from ovariectomised guinea-pigs: the effects of ovarian steroids. Adam SP, et al. **J Auton Pharmacol** 1985 Dec;5(4):317–24

Excitatory response of guinea-pig myometrium to intravenous noradrenaline declines towards term. Carter AM. **J Reprod Fertil** 1985 Nov;75(2):507–12

Evidence for a noradrenergic transmission in the control of parturition in the rat. Legrand C, et al. **J Reprod Fertil** 1986 Jan;76(1):415–24

Relaxin and progesterone are myometrial inhibitors in the ovariectomized non-pregnant mini-pig. Porter DG, et al. **J Reprod Fertil** 1986 Jan;76(1):205–13

Effect of porcine relaxin and progesterone on rat, pig and human myometrial activity in vitro. MacLennan AH, et al. **J Reprod Med** 1986 Jan;31(1):43–9

L-methionine enhances the contractile responses of rat uterine smooth muscle to acetylcholine and high KCl. Ichida S. **Jpn J Pharmacol** 1986 Mar;40(3):469–71

Effects of polyamines on the mechanical and electrical activities of the isolated circular muscle of rat uterus. Maruta K, et al. **Jpn J Physiol** 1985;35(6):903–15

Calcitonin gene-related peptide inhibits spontaneous contractions in human uterus and fallopian tube. Samuelson UE, et al. **Neurosci Lett** 1985 Dec 4;62(2):225–30

Uterine contraction pressures with oxytocin induction/augmentation. Hauth JC, et al. **Obstet Gynecol** 1986 Sep;68(3):305–9

Leukotrienes and myometrial activity of the term pregnant uterus. Bryman I, et al. **Prostaglandins** 1985 Dec; 30(6):907–13

Calcium requirement of uterine contraction induced by PGE1: importance of intracellular calcium stores. Villar A, et al. **Prostaglandins** 1985 Sep;30(3):491–6

Uterine motor responses to an alpha-adrenergic agonist (phenylephrine) in the ewe during oestrus and at the end of gestation. Prud'homme MJ. **Reprod Nutr Dev** 1986; 26(3):827–39

Long-term effects of marihuana smoke on uterine contractility and tumour development in rats. Murthy NV, et al. **West Indian Med J** 1985 Dec;34(4):244–7

[Dynamic changes in the duration of uterine contractions during tocolysis with the beta-adrenomimetic Pre-Par in high rupture of the amniotic sac] Ivanov S, et al. **Akush Ginekol (Sofiia)** 1985;24(4):35–7 (Eng. Abstr.) (Bul)

[Effect of loperamide on 15-methyl-PGF2 alpha induced diarrhea and its uterine-stimulating action] Song GX, et al. **Yao Hsueh Hsueh Pao** 1985 Apr;20(4):252–6 (Eng. Abstr.) (Chi)

[Stimulation and inhibition of uterine contractions from the modern viewpoint] Fröhlich H. **Wien Med Wochenschr** 1986 Jun 30;136(11–12):260–3 (Eng. Abstr.) (Ger)

[Steroids controlling uterine contraction during pregnancy and labor and their significance] Kosakai H, et al. **Nippon Heikatsukin Gakkai Zasshi** 1985 Aug;21(4):322–4 (Jpn)

[Behaviour of uterine muscle calmodulin and contraction during pregnancy and under estrogen, progesterone administration] Takayama T, et al. **Nippon Heikatsukin Gakkai Zasshi** 1985 Apr;21(2):89–93 (Eng. Abstr.) (Jpn)

[Influence of arachidonic acid metabolic inhibitors upon uterine contractions] Chimura T. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Nov; 37(11):2309–14 (Eng. Abstr.) (Jpn)

[Magnesium sulfate in the inhibition of premature labor] Mathias L, et al. **AMB** 1985 Jul–Aug;31(7–8):121–3 (Eng. Abstr.) (Por)

[Functional synergism of beta-adrenomimetics and seduxen during action on the uterine contractile function in an experiment] Gersamiia TV, et al. **Akush Ginekol (Mosk)** 1985 Aug;(8):65–6 (Rus)

[Possibilities of regulating uterine contractile function with adrenergic and cholinergic agents in an experiment] Pankratova VV, et al. **Akush Ginekol (Mosk)** 1985 Aug; (8):62–3 (Rus)

[Effect of spasmo-analgesics on uterine activity in induced labor] Maleniek B. **Pol Tygod Lekarski Suppl Perinatol** 1985 May–Aug;25(3–4):75–9 (Eng. Abstr.) (Ser)

[Importance of calcium in the interaction between prostaglandins E and sulfonylureas in utero] Villar A, et al. **Arch Farmacol Toxicol** 1986 Apr;12(1):41–8 (Eng. Abstr.) (Spa)

UTERINE DISEASES

Gynaecological tuberculosis: analysis of a personal series of 710 cases. Sutherland AM. **Aust NZ J Obstet Gynaecol** 1985 Aug;25(3):203–7

Inversion of uterus. Saxena K, et al. **J Indian Med Assoc** 1985 Sep;83(9):319–20, 328

BLOOD

[Status of the fetoplacental system in high-risk pregnancy] Dobrotina AF, et al. **Akush Ginekol (Mosk)** 1985 Dec; (12):32–4 (Eng. Abstr.) (Rus)

CHEMICALLY INDUCED

A decidual cast following therapy with norethisterone. Shaw DD, et al. **Aust NZ J Obstet Gynaecol** 1985 May; 25(2):138–9

Effect of various doses of catecholestrogens on uterine eosinophilia in the immature rat. Baumann P, et al. **Experientia** 1986 Feb 15;42(2):165–7

COMPLICATIONS

The coexistence of carcinoma and tuberculosis in the uterine cervix: report of 2 cases. Hsu CT, et al. **Asia Oceania J Obstet Gynaecol** 1985 Sep;11(3):363–9

Benign senile pyometra, endometrial cholesterol granulomas and adenosquamous carcinoma. Pounder DJ, et al. **Aust NZ J Obstet Gynaecol** 1985 May;25(2):139–41

Spontaneous rupture of pyometra due to leiomyomata. A case report. Jones VA, et al. **J Reprod Med** 1986 Jul; 31(7):637–8

Intrauterine membranous cyst: a report of antenatal diagnosis and obstetric aspects in two cases. Kirkinen P, et al. **Obstet Gynecol** 1986 Mar;67(3 Suppl):26S–30S

Dystrophic calcinosis cutis secondary to intrauterine herpes simplex. Beers BB, et al. **Pediatr Dermatol** 1986 Jun; 3(3):208–11

[Anterior sacculation of the pregnant uterus persisting until the 34th week] Dallay D, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1985;14(6):747–50 (Eng. Abstr.) (Fre)

[Scarred uterus: management] Mellier G, et al. **Rev Fr Gynecol Obstet** 1986 Apr;81(4):223–8 (Eng. Abstr.) (Fre)

[A case of axial torsion of the uterus as a labor obstacle in term pregnancy] Skorut S. **Wiad Lek** 1985 Jun 15; 38(12):878–80 (Eng. Abstr.) (Pol)

DIAGNOSIS

Müllerian inclusions in peritoneal washings. Potential source of error in cytologic diagnosis. Sneige N, et al. **Acta Cytol (Baltimore)** 1986 May–Jun;30(3):271–6

Intrauterine adhesions: current diagnostic and therapeutic trends. Fedele L, et al. **Acta Eur Fertil** 1986 Jan–Feb; 17(1):31–7

Uterine horn abscess complicating pregnancy. Sauer MV, et al. **Am J Perinatol** 1986 Jul;3(3):187–8

Pelvic haematocele in ruptured ectopic pregnancy simulating uterine enlargement. Cunat JS, et al. **Br J Radiol** 1985 Mar; 58(687):207–11

Uncommon sonographic appearance of an obstructed uterus. A case report. van Rooij WJ, et al. **Diagn Imag Clin Med** 1986;55(3):161–3

Hysteroscopic detection and treatment of adhesions at the tubal ostium/uterine junction in infertile patients. Daly DC, et al. **Fertil Steril** 1986 Jul;46(1):138–40

Diagnosis of intrauterine cytomegalovirus infection by IgM antibody test. Satapathy G, et al. **Indian J Med Res** 1985 Nov;82:421–6

New concept in diagnostic endometrial cytology: diagnostic criteria based on composition and architecture of large tissue fragments in smears. Skaarland E. **J Clin Pathol** 1986 Jan;39(1):36–43

Sonographic imaging of intrauterine adhesions. Confino E, et al. **Obstet Gynecol** 1985 Oct;66(4):596–8

Streptococcus milleri pyomyoma simulating infective endocarditis. Prichard JG, et al. **Obstet Gynecol** 1986 Sep; 68(3 Suppl):46S–49S

Retroverted impacted gravid uterus with acute urinary retention: report of two cases and a review of the literature. Silva PD, et al. **Obstet Gynecol** 1986 Jul;68(1):121–3

[Rudimentary uterine horn complicated by pregnancy] Hu ZQ, et al. **Chung Hua Fu Chan Ko Tsa Chih** 1985 Nov; 20(6):333–4, 382 (Eng. Abstr.) (Chi)

[Rudimentary uterine horn (report of 4 cases)] Lin FG. **Chung Hua Fu Chan Ko Tsa Chih** 1985 Nov;20(6):354–5, 384 (Eng. Abstr.) (Chi)

[Incrustation of the IUD, demonstrated by ultrasonography] Patai K, et al. **Orv Hetil** 1986 May 25;127(21):1253–5 (Eng. Abstr.) (Hun)

[Hysteroscopy and its applications. Considerations on a year of clinical experience] Giannola C, et al. **Minerva Ginecol** 1986 Apr;38(4):265–9 (Eng. Abstr.) (Ita)

[Hysteroscopic diagnosis and treatment of Asherman's syndrome] Ragonesi G, et al. **Minerva Ginecol** 1985 Sep; 37(9):523–4 (Eng. Abstr.) (Ita)

[Hysterography and hysteroscopy. Comparative study of 50 patients] De Vivo D, et al. **Radiol Med (Torino)** 1986 May; 72(5):305–7 (Eng. Abstr.) (Ita)

[Ultrasonic diagnosis of uterine diseases] Sakuyama K, et al. **Rinsho Hoshasen** 1985 Oct;30(10):1131–2 (Jpn)

[Hysteroscopy] Henie Omsjø I, et al. **Tidsskr Nor Laegeforen** 1985 Aug 10;105(22):1397–8 (Nor)

DRUG THERAPY

Flurbiprofen, aspirin, codeine, and placebo for postpartum uterine pain. Bloomfield SS, et al. **Am J Med** 1986 Mar 24;80(3A):65–70

Use of intravenous terbutaline to facilitate uterine repositioning [letter] Catanzarite V, et al. **Am J Obstet Gynecol** 1985 Nov 1;153(5):591–2

Acute puerperal uterine inversion: two-step management with a beta-mimetic and a prostaglandin. Thiery M, et al. **Am J Obstet Gynecol** 1985 Dec 15;153(8):891–2

[Results of the clinical use of cefminox in the field of obstetrics and gynecology] Tateno M, et al. **Jpn J Antibiot** 1985 May;38(5):1254–9 (Eng. Abstr.) (Jpn)

[Comparative evaluation of the status of central hemodynamics after different methods of administration of the beta-adrenomimetic alupent in the treatment of discoordination of labor contractions] Abramchenko VV, et al. **Akush Ginekol (Mosk)** 1986 Jan;(1):47–8 (Eng. Abstr.) (Rus)

ETIOLOGY

Menstrual fistula following caesarean section. Agrawal V, et al. **Asia Oceania J Obstet Gynaecol** 1985 Sep;11(3):325–8

An unusual cause of abdominal pain and shock in pregnancy: case report and review of the literature. Innes G, et al. **J Emerg Med** 1985;2(5):361–6

Severe obstetric complications after aggressive treatment of Asherman syndrome. Friedman A, et al. **Obstet Gynecol** 1986 Jun;67(6):864–7

[A case of uretero-uterine fistula following cesarean section treated by uretero-ureterostomy] Docquier J. **Acta Urol Belg** 1986;54(1):57–9 (Eng. Abstr.) (Fre)

[Vesico-uterine fistula: a case report and review] Kobayashi M, et al. **Hinyokika Kiyo** 1985 Jun;31(6):1049–52 (Eng. Abstr.) (Jpn)

[Vesicouterine fistula] Musierowicz A, et al. **Wiad Lek** 1985 Aug 1;38(15):1090–2 (Eng. Abstr.) (Pol)

[Posttraumatic uterine synechiae in gynecological practice] Gheorghiță E, et al. **Rev Med Chir Soc Med Nat Iasi** 1984 Jan–Mar;88(1):29–33 (0 ref.) (Rum)

[Various pathogenetic mechanisms of the development of abnormal uterine contractile activity] Gazazian MG. **Akush Ginekol (Mosk)** 1986 Jan;(1):31–4 (Eng. Abstr.) (Rus)

[Status of the uterine mucosa during long-term intrauterine contraception] Petrov IuA. **Sov Med** 1986;(5):103–4 (Rus)

PATHOLOGY

Calcifications of the benign endometrium. Herbold DR, et al. **Arch Pathol Lab Med** 1986 Jul;110(7):666–9

Giant cell arteritis of the uterus and adnexa. Case report. Lui IO, et al. **Br J Obstet Gynaecol** 1985 Oct;92(10):1064–6

Genital tuberculosis in reproductive-age women. A report of two cases. Bateman BG, et al. **J Reprod Med** 1986 Apr; 31(4):287–90

[Endometrial ossification: apropos of 3 cases] Dellagi K, et al. **Tunis Med** 1985 Aug–Sep;63(8–9):461–3 (Eng. Abstr.) (Fre)

[Ichthyosis uteri. Case report on a rare clinical entity] Heckeroth V, et al. **Geburtshilfe Frauenheilkd** 1986 Apr; 46(4):248–9 (Eng. Abstr.) (Ger)

[Endometrium cytology with endoscan] Heinzl S, et al. **Gynakol Rundsch** 1986;26(1):26–34 (Eng. Abstr.) (Ger)

[Removal of an intrauterine device (IUD) and uterine curettage. A report of experiences] Berg R. **Zentralbl Gynakol** 1986;108(9):576–9 (Eng. Abstr.) (Ger)

[Improving the diagnosis of pathological processes in the endometrium] Tabakman Iulu, et al. **Akush Ginekol (Mosk)** 1985 Aug;(9):61–2 (Rus)

PREVENTION & CONTROL

[Clinical studies on aztreonam in infections in obstetrics and gynecology] Hatase T, et al. **Jpn J Antibiot** 1985 Dec; 38(12):3683–6 (Eng. Abstr.) (Jpn)

SURGERY

Hysteroscopy: a prospective examination of its value. Chapman JD, et al. **J Am Osteopath Assoc** 1986 Apr; 86(4):219–23

Pyometrocolpos with distal vaginal agenesis. Singhal GD, et al. **J Indian Med Assoc** 1985 Feb;83(2):59–60

Intramyometrial coring as an adjunct to vaginal hysterectomy. Kovac SR. **Obstet Gynecol** 1986 Jan; 67(1):131–6

THERAPY

Acute inversion of uterus. Mishra J. **J Indian Med Assoc** 1985 Jul;83(7):240–1

Treatment of minimal and moderate intrauterine adhesions (Asherman's syndrome). Ismajovich B, et al. **J Reprod Med** 1985 Oct;30(10):769–72

New approaches to the management of acute puerperal uterine inversion. Catanzarite VA, et al. **Obstet Gynecol** 1986 Sep;68(3 Suppl):7S–10S

[Pregnancy outcome following insertion of Foley catheter

balloon for intrauterine adhesion] Munemura M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Oct; 37(10):2149–52 **(Jpn)**

[Experience with the diagnosis and treatment of inflammatory processes of the uterus and its adnexae] Vdovin SV, et al. **Akush Ginekol (Mosk)** 1985 Nov; (11):75–8 **(Rus)**

VETERINARY

Morphometric studies of the bovine uterus: microscopic lesions and retrospective reproductive history. Gonzalez HE, et al. **Am J Vet Res** 1985 Dec;46(12):2588–95

Changes in biochemical blood constituents of buffaloes with uterine torsion and the effect of caesarean section and certain post-operative therapeutic measures. Khatri CK, et al. **Arch Exp Veterinarmed** 1986 May;40(3):461–8

Prostaglandin concentrations in uterine fluid of cows with pyometra. Manns JG, et al. **Can J Comp Med** 1985 Oct; 49(4):436–8

Necrosis and abscessation of placental sites in a Pekingese bitch. Penzhorn BL. **J S Afr Vet Assoc** 1985 Sep; 56(3):135–6

Prostaglandin F2 alpha treatment of feline open pyometra. Arnbjerg J, et al. **Nord Vet Med** 1985 Sep–Oct;37(5):286–90

Pyometra. Nelson RW, et al. **Vet Clin North Am [Small Anim Pract]** 1986 May; 16(3):561–76

[Abscess of the cervix uteri and uterine wall in a cow of German red-spotted breed] Heuwieser W, et al. **Tierarztl Prax** 1986;14(1):19–22 (Eng. Abstr.) **(Ger)**

UTERINE HEMORRHAGE

BLOOD

Effect of bleeding during labor on the functional state of the anticlotting system in women. Kudryashov BA, et al. **Hum Physiol** 1985 Mar–Apr;11(2):143–7

CHEMICALLY INDUCED

Postmenopausal bleeding associated with corticosteroid administration [letter] Kerner JA. **JAMA** 1986 Jun 6; 255(21):2897–8

Correlation between the vaginal cornification count and progesterone-induced withdrawal bleeding: a prospective study. Lin TJ. **Obstet Gynecol** 1967 Aug;30(2):257–9

COMPLICATIONS

Acute abdominal condition caused by retrograde bleeding in a postmenopausal patient on estrogen–progestogen therapy. Rabinovici J, et al. **Am J Obstet Gynecol** 1985 Nov 15;153(6):677–8

Outcome of intrauterine periventricular haemorrhage and leukomalacia. Szymonowicz W, et al. **Aust Paediatr J** 1985 Nov;21(4):261–4

Alpha-fetoprotein, vaginal bleeding and pregnancy risk. Haddow JE, et al. **Br J Obstet Gynaecol** 1986 Jun; 93(6):589–93

[Clinico-morphologic characteristics of the shock lung syndrome among patients sustaining hemorrhagic shock during labor] Novikova RI, et al. **Anesteziol Reanimatol** 1986 Mar–Apr;(2):27–31 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Foetal bleeding in the first and second trimester uterine haemorrhage. Parulekar SV, et al. **J Postgrad Med** 1985 Jan;31(1):43–5

Real-time ultrasound diagnosis of bleeding uterine perforation during therapeutic abortion. Shalev E, et al. **JCU** 1986 Jan;14(1):66–7

Placental abruption and subchorionic hemorrhage in the first half of pregnancy: US appearance and clinical outcome. Sauerbrei EE, et al. **Radiology** 1986 Jul;160(1):109–12

[Prognostic significance of biochemical and sonographic findings in hemorrhage in early pregnancy] Kowatsch AW, et al. **Geburtshilfe Frauenheilkd** 1986 Feb;46(2):98–101 (Eng. Abstr.) **(Ger)**

[Ultrasonogram and ultrasonic histogram of intrauterine clot at late pregnancy] Mizuta M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Mar;38(3):444–7 **(Jpn)**

[Clinical, cytological and histopathological correlations in perimenopausal bleeding] Casillas del Moral OF, et al. **Ginecol Obstet Mex** 1985 Jul;53:181–4 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

[Treatment of postpartal atony with prostaglandins] Heinzl S, et al. **Z Geburtshilfe Perinatol** 1986 Mar–Apr;190(2):92–4 (Eng. Abstr.) **(Ger)**

[Effect of partusisten administered to pregnant women with uterine hemorrhage caused by placenta praevia on the prolongation of pregnancy] Sozański L, et al. **Ginekol Pol** 1985 Dec;56(12):754–8 (Eng. Abstr.) **(Pol)**

ECONOMICS

[An economic contribution to the prevention of climacteric bleeding] Kadrnková M, et al. **Cesk Gynekol** 1986 Apr; 51(3):181–3 **(Cze)**

ETIOLOGY

Perimenopausal bleeding. Masterson BJ. **Am Fam Physician** 1986 Feb;33(2):233–40

Constitutional hypofibrinogenemia associated with third trimester hemorrhage. McRoyan DK, et al. **Ann Clin Lab Sci** 1986 Jan–Feb;16(1):52–7

Dysfunctional uterine bleeding. Smith SK. **Br J Hosp Med** 1985 Dec;34(6):351–4

A rare late complication of first trimester induced abortion requiring hysterectomy–subinvolution of the placental bed. Case report. Lee ET, et al. **Br J Obstet Gynaecol** 1986 Jul;93(7):777–81

Postmenopausal bleeding and the endometrium. Fortier KJ. **Clin Obstet Gynecol** 1986 Jun;29(2):440–5 (18 ref.)

Malakoplakia of the endometrium: a rare cause of postmenopausal bleeding. Chadha S, et al. **Eur J Obstet Gynecol Reprod Biol** 1985 Sep;20(3):181–9

Gestational trophoblastic disease: the significance of vaginal metastases. Goldberg GL, et al. **Gynecol Oncol** 1986 Jun; 24(2):155–61

Abnormal vaginal bleeding—preliminary management. Bhose L. **J Indian Med Assoc** 1985 Jul;83(7):249–50

Complications of cervical cerclage in Igbo women. Egwuatu VE. **J Natl Med Assoc** 1986 Mar;78(3):245–6

Sonographic demonstration of post-abortion intrauterine osseous tissue. Bourgouin P, et al. **J Ultrasound Med** 1985 Sep;4(9):507–9

Aetiology of postmenopausal bleeding in black women in Durban. Luiz DA, et al. **S Afr Med J** 1986 May 24; 69(11):674–5

[Traumatic retroplacental hematomas] Louis E, et al. **Rev Fr Gynecol Obstet** 1986 Feb;81(2):63–5 (Eng. Abstr.) **(Fre)**

[A case of ovarian folliculoma with a stormy course] Gwóźdź AZ. **Wiad Lek** 1986 Mar 15;39(6):413–6 (Eng. Abstr.) **(Pol)**

METABOLISM

Decreased ratio of total progesterone to total estradiol receptor levels in endometria of women with adult dysfunctional uterine bleeding. Gorodeski IG, et al. **Gynecol Obstet Invest** 1986;22(1):22–8

MORTALITY

[Maternal mortality caused by hemorrhage. An 11-year analysis. Hospital de Gineco-Obstetricia No. 4, I.M.M.S.] Angeles Weintraub CD, et al. **Ginecol Obstet Mex** 1985 May;53:107–13 (Eng. Abstr.) **(Spa)**

OCCURRENCE

[Uterine hemorrhage in newborn infants] Berić BM, et al. **Jugosl Ginekol Perinatol** 1985 May–Aug;25(3–4):89–91 (Eng. Abstr.) **(Ser)**

PATHOLOGY

Histopathological findings in 226 women with post-menopausal uterine bleeding. Lidor A, et al. **Acta Obstet Gynecol Scand** 1986;65(1):41–3

Sonography of hemorrhagic ovarian cysts. Reynolds T, et al. **JCU** 1986 Jul–Aug;14(6):449–53

[Ultrastructural study of the endometrium in dysfunctional uterine bleeding] Xu WL, et al. **Chung Hua Fu Chan Ko Tsa Chih** 1985 Sep;20(5):287–9, 318–9 (Eng. Abstr.) **(Chi)**

PHYSIOPATHOLOGY

Dysfunctional uterine bleeding. Clarifying its definition, mechanisms, and management. Worley RJ. **Postgrad Med** 1986 Feb 15;79(3):101–6

[Dysfunctional uterine bleeding in the adolescent] Bourque J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986; 15(2):173–84 (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

Evaluation of blood loss during suction termination of pregnancy: ketamine compared with methohexitone. Coad NR, et al. **Acta Anaesthesiol Scand** 1986 Apr;30(3):253–5

[Vascularization of the hypertrophic cervix uteri and the nature of hemorrhages after surgical conization followed by electrocoagulation] Uzar A, et al. **Ginekol Pol** 1986 Mar; 57(3):190–4 (Eng. Abstr.) **(Pol)**

[Uterine electrostimulation as a method of decreasing hemorrhage during cesarean section] Mirovich DIu, et al. **Akush Ginekol (Mosk)** 1985 Aug;(8):51–3 (Eng. Abstr.) **(Rus)**

SURGERY

Management of postpartum and pelvic hemorrhage. Cruikshank SH. **Clin Obstet Gynecol** 1986 Jun;29(2):213–9

[Pregnancy after ligation of the hypogastric artery] Zábranský F, et al. **Cesk Gynekol** 1986 Feb;51(1):46–8 **(Cze)**

THERAPY

Embolic management of rare hemorrhagic gynecologic and obstetrical conditions. Vujic I, et al. **Cardiovasc Intervent Radiol** 1986;9(2):69–74

[Therapeutic vascular embolization in life-threatening gynecologic hemorrhages] Banaschak A, et al. **Zentralbl Gynakol** 1985;107(17):1050–6 (Eng. Abstr.) **(Ger)**

[A case of massive hemorrhage and successful resuscitation] Badridinov IuN. **Anesteziol Reanimatol** 1985 Nov–Dec; (6):66–7 **(Rus)**

UTERINE INERTIA

DIAGNOSIS

[Test of uterine contraction induced by stimulation of the nipples] Breborowicz G, et al. **Ginekol Pol** 1986 Jun; 57(6):414–9 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Prostaglandins—lifesaving drugs for postpartum uterine atony [letter] Catanzarite VA. **West J Med** 1986 Apr; 144(4):477

Local administration of (15 S)-15-methyl PGF2 alpha for management of hypotonic post-partum hemorrhage. Thiery M, et al. **Z Geburtshilfe Perinatol** 1985 Jul–Aug; 189(4):179–80

[Treatment of postpartal atony with prostaglandins] Heinzl S, et al. **Z Geburtshilfe Perinatol** 1986 Mar–Apr;190(2):92–4 (Eng. Abstr.) **(Ger)**

METABOLISM

[Features of the lipid composition of the serum and placenta in uterine inertia] Isaeva AD, et al. **Akush Ginekol (Mosk)** 1986 Jan;(1):27–9 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[Functional status of the adrenal cortex of mother and fetus during pregnancy and labor] Zakharova OI, et al. **Akush Ginekol (Mosk)** 1986 Jan;(1):16–9 (Eng. Abstr.) **(Rus)**

SURGERY

[Labor in twin pregnancy complicated by anuria caused by ligation of both ureters during hysterectomy in atonia] Musierowicz A, et al. **Ginekol Pol** 1985 Nov;56(11):707–11 (Eng. Abstr.) **(Pol)**

[Comparative analysis of forceps delivery and vacuum extraction based on our data] Woytoń J, et al. **Ginekol Pol** 1985 Mar;56(3):177–81 (Eng. Abstr.) **(Pol)**

THERAPY

[Hyperbaric oxygenation in obstetrics] Chernukha EA, et al. **Akush Ginekol (Mosk)** 1986 Jun;(6):3–6 (59 ref.) **(Rus)**

UTERINE MUSCLE see MYOMETRIUM

UTERINE NEOPLASMS

Metastatic carcinoma involving the left atrium. Lang RM, et al. **Am Heart J** 1985 Oct;110(4):884–6

Effect of hydatidiform molar vesicular fluid on blood coagulation. Kapian SS, et al. **Am J Obstet Gynecol** 1985 Nov 15;153(6):703–7

Risk factors for gestational trophoblastic neoplasia [letter] Meizner I, et al. **Am J Obstet Gynecol** 1986 Aug; 155(2):456–7

Risk of postmolar invasive complications with oral contraceptive use [letter] Yuen BH, et al. **Am J Obstet Gynecol** 1985 Dec 15;153(8):924–6

Occult, high-risk endometrial cancer. Smith M, et al. **Gynecol Oncol** 1985 Oct;22(2):154–61

Cutaneous metastasis (cancer en cuirasse and carcinoma erysipelatoides): a non-invasive search for the primary cancer using microscopical techniques on urine and skin. Copeman PW, et al. **J R Soc Med** 1985;78 Suppl 11:43–5

Role of computed axial tomography of the chest in staging patients with nonmetastatic gestational trophoblastic disease. Mutch DG, et al. **Obstet Gynecol** 1986 Sep; 68(3):348–52

Intracranial aneurysm due to metastatic choriocarcinoma. Monma F, et al. **Surg Neurol** 1986 Jan;25(1):74–6

[Triploidy and mole. Apropos of 2 cases continuing to the second trimester] Camus M, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(3):315–20 (Eng. Abstr.) **(Fre)**

[Uterine adenomyosis. A synthetic review] Pasquinucci C, et al. **Minerva Ginecol** 1986 May;38(5):365–9 (Eng. Abstr.) **(Ita)**

[Mixed mesodermal tumors of the uterus] Djurić M, et al. **Srp Arh Celok Lek** 1985 Sep;113(9):809–12 (Eng. Abstr.) **(Scc)**

[Adenomyosis in leiomyoma of the uterus] Popović-Lazić J, et al. **Srp Arh Celok Lek** 1985 Sep;113(9):791–4 (Eng. Abstr.) **(Scc)**

[Multiple malignant tumors] Tošić J, et al. **Srp Arh Celok Lek** 1985 Nov–Dec;113(11–12):1037–41 (Eng. Abstr.) **(Scc)**

ANALYSIS

Determination of HCG in choriocarcinoma using RIA kits for HCG and HCG-beta. Vlachová J, et al. **Acta Univ Palacki Olomuc Fac Med** 1981;101:166–71

Prostaglandins and endometriosis [letter] Sgarlata CS, et al. **Am J Obstet Gynecol** 1986 Apr;154(4):964–5

Determination of cell cycle DNA and 5'-nucleotide phosphodiesterase in endometrial cancer. Tsou KC, et al. **Ann NY Acad Sci** 1986;468:316–28

Photoaffinity labeling of the progesterone receptor from human endometrial carcinoma. Clarke CL, et al. **Cancer Res** 1985 Nov;45(11 Pt 1):5417–20

Use of a monoclonal anti-estrogen receptor antibody in the immunohistochemical evaluation of human tumors. McCarty KS Jr, et al. **Cancer Res** 1986 Aug;46(8 Suppl):4244s–4248s

Copper and zinc content of human leiomyomas. Salkie ML, et al. **Gynecol Obstet Invest** 1986;21(4):208–12

Immunohistochemical demonstration of chromogranin in endometrial carcinomas with argyrophil cells. Inoue M, et al. **Hum Pathol** 1986 Aug;17(8):841–7

Lipid composition, fluidity and lectin-reactivity of membranes from normal human uterus and benign and malignant uterine tumours. Biswas SK, et al. **Indian J Biochem Biophys** 1986 Feb;23(1):13–8

Density-dependent inhibition of expression of syncytiotrophoblastic markers by cultured human choriocarcinoma (BeWo) cells. Burres NS, et al. **J Cell Physiol** 1986 Sep;128(3):375–82

An estrogen-regulated protein in normal and malignant endometrium. McGuire WL, et al. **J Steroid Biochem** 1986 Jan;24(1):155–9

A case of mixed mesodermal tumor of the uterus with alpha-fetoprotein production. Kawagoe K. **Jpn J Clin Oncol** 1985 Sep;15(3):577–83

Detection of incompletely sialylated human chorionic gonadotropin by peanut agglutinin in choriocarcinoma. Nishimura R, et al. **Jpn J Exp Med** 1985 Apr;55(2):75–8

Immunohistochemical demonstration of chromogranin in endometrial carcinomas with argyrophilia. Ueda G, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Dec; 37(12):2853–4

Cytoplasmic estrogen and progesterone receptors as prognostic parameters in primary endometrial carcinoma. Liao BS, et al. **Obstet Gynecol** 1986 Apr;67(4):463–7

Flow cytometric DNA analysis of human endometrial carcinoma. Tase T, et al. **Tohoku J Exp Med** 1985 Aug; 146(4):429–37

[Steroid hormone receptor level in endometrial carcinoma] Bieglmayer C, et al. **Acta Univ Palacki Olomuc Fac Med** 1981;101:159–65 **(Ger)**

[Abnormal sugar chains found in tumor glycoproteins] Kobata A. **Gan To Kagaku Ryoho** 1986 Mar;13(3 Pt 2):747–53 (Eng. Abstr.) **(Jpn)**

[Histological and biochemical studies of collagen in human uterine leiomyomas] Fujita M. **Hokkaido Igaku Zasshi** 1985 Jul;60(4):602–15 (Eng. Abstr.) **(Jpn)**

[Studies on estrogen receptor in normal and cancerous human uterine endometrium by immunological methods] Fujii M, et al. **Nippon Naibunpi Gakkai Zasshi** 1986 May 20; 62(5):649–61 (Eng. Abstr.) **(Jpn)**

[Simultaneous measurements of nucleic acids and estrogen receptor in human endometrial adenocarcinoma cell lines by flow cytometry] Hirose T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Oct; 37(10):2133–4 **(Jpn)**

[Simultaneous cytofluorometric studies on DNA and protein in endometrial adenocarcinoma—with reference to gestagen treatment] Ohta T. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 May;38(5):750–8 (Eng. Abstr.) **(Jpn)**

BLOOD

Magnesium homeostasis following chemotherapy with cisplatin: a prospective study. Stewart AF, et al. **Am J Obstet Gynecol** 1985 Nov 15;153(6):660–5

Suppression of normal and preneoplastic mammary growth and uterine adenomyosis with reduced growth hormone level in SHN mice given monosodium glutamate neonatally. Nagasawa H, et al. **Eur J Cancer Clin Oncol** 1985 Dec;21(12):1547–51

Daily follicle-stimulating hormone, luteinizing hormone, estradiol, and progesterone in ten women harboring uterine leiomyomas. Maheux R, et al. **Fertil Steril** 1986 Aug; 46(2):205–8

ABO blood group in patients with malignant trophoblastic disease. Sasaki K, et al. **Gynecol Obstet Invest** 1985; 20(1):23–6

High-dose depot-medroxyprogesterone acetate—effects on the fatty acid composition of serum lecithin and cholesterol ester. Enk L, et al. **Gynecol Oncol** 1985 Nov;22(3):317–23

Ovarian steroid secretion in postmenopausal women with and without endometrial cancer. Nagamani M, et al. **J Clin Endocrinol Metab** 1986 Mar;62(3):508–12

Hormonal measurements in patients with theca lutein cysts and gestational trophoblastic disease. Osathanondh R, et al. **J Reprod Med** 1986 Mar;31(3):179–83

Follow-up of gestational trophoblastic disease by thyrotropin-releasing hormone test: a case study. Miyamoto J. **Keio J Med** 1985 Sep;34(3):161–6

Endocrine factors in the etiology of endometrial carcinoma. Gimes G, et al. **Neoplasma** 1986;33(3):393–7

Clinical significance of a new membrane associated placental protein 4 (PP4) in gynecologic malignancies. Inaba N, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Feb; 38(2):265–6

Plasma prolactin, progesterone, estradiol, and human chorionic gonadotropin in complete and partial moles before and after evacuation. Ho PC, et al. **Obstet Gynecol** 1986 Jan;67(1):99–106

Serum relaxin in patients with hydatidiform mole. Seki K, et al. **Obstet Gynecol** 1986 Mar;67(3):381–3

[Value of the radioimmunological assay of HCG and its subunits in the diagnosis and follow-up of gestational trophoblastic disease] Delpont PJ, et al. **Rev Fr Gynecol Obstet** 1985 Oct;80(10):737–52 (Eng. Abstr.) **(Fre)**

[Studies on plasma proteins in normal pregnancy and gynecological malignancy] Seki H. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Mar; 38(3):317–26 (Eng. Abstr.) **(Jpn)**

[Rheologic and coagulative properties of the blood in normal postmenopausal women and in those with endometrial pathology] Bezrukova OD, et al. **Akush Ginekol (Mosk)** 1986 May;(5):41–4 **(Rus)**

[Disseminated intravascular coagulation in patients with cancer of the corpus uteri] Kolesov AA. **Akush Ginekol (Mosk)** 1986 Feb;(2):34–6 (Eng. Abstr.) **(Rus)**

[Dynamics of the concentration of plasma 3', 5'-adenosine monophosphate in patients with genital endometriosis] Shinkareva LF, et al. **Akush Ginekol (Mosk)** 1985 Nov; (11):44–7 (Eng. Abstr.) **(Rus)**

[Cyclic adenosine monophosphate content in the lymphocytes of cancer patients] Bershtein LM, et al. **Eksp Onkol** 1985;7(5):53–6 (Eng. Abstr.) **(Rus)**

[Pregnancy-specific beta-1 glycoprotein (SP1) as a marker for tumors with or without trophoblastic character] Ruibal A, et al. **Rev Esp Oncol** 1984;31(3):427–34 (Eng. Abstr.) **(Spa)**

BLOOD SUPPLY

[Selected problems of morphology of the venous system of the female internal genital organs. II. Morphology of the veins of the mesosalpinx. The venous system in cases of uterine myoma. Atypical anastomoses between ovarian and uterine venous trunks] Czerkwiński J. **Ginekol Pol** 1985 May-Jun;56(5–6):293–9 (Eng. Abstr.) **(Pol)**

CHEMICALLY INDUCED

The risk of endometrial neoplasia and treatment with estrogens and estrogen-progestogen combinations. First results of a cohort study after one to four completed years of observation. Persson IR, et al. **Acta Obstet Gynecol Scand** 1986;65(3):211–7

Climacteric symptoms and estrogen replacement therapy in women with endometrial carcinoma. Pettersson B, et al. **Acta Obstet Gynecol Scand** 1986;65(1):81–7

Conjugated estrogen use and risk of endometrial cancer. Buring JE, et al. **Am J Epidemiol** 1986 Sep;124(3):434–41

Estrogens and endometrial cancer. Responses to arguments and current status of an epidemiologic controversy. Horwitz RI, et al. **Am J Med** 1986 Sep;81(3):503–7 (20 ref.)

Endometrial adenomatous hyperplasia and carcinoma and multiple endocrinopathies in rats exposed to N-nitrosomethylurea. Verdeal K, et al. **Anticancer Res** 1986 Jan-Feb;6(1):5–10

Oral contraceptives and cancer. Holck S, et al. **Arch Geschwulstforsch** 1986;56(2):155–67 (45 ref.)

Risk factors for uterine fibroids: reduced risk associated with oral contraceptives. Rosa RK, et al. **Br Med J [Clin Res]** 1986 Aug 9;293(6543):359–62

Cancer and the use of estrogens. Gambrell RD Jr. **Int J Fertil** 1986 May-Jun;31(2):112–3, 116–22

Risk of localized and widespread endometrial cancer in relation to recent and discontinued use of conjugated estrogens. Shapiro S, et al. **N Engl J Med** 1985 Oct 17; 313(16):969–72

Endometrial adenocarcinoma after in utero diethylstilbesterol exposure. Barter JF, et al. **Obstet Gynecol** 1986 Mar;67(3 Suppl):84S–85S

Physicians changing postmenopausal sex hormone prescribing regimens. Gruber JS, et al. **Prog Clin Biol Res** 1986;216:325–35

[Risks of estrogens in the prevention of osteoporosis (letter)] Kruyver GP. **Ned Tijdschr Geneeskd** 1986 Jul 5; 130(27):1246 **(Dut)**

[Risks of estrogens in the prevention of osteoporosis] van Hemert AM, et al. **Ned Tijdschr Geneeskd** 1986 Mar 29; 130(13):574–5 **(Dut)**

[Effect of estradiol dipropionate in various doses on induced uterine sarcomagenesis in mice] Morozova OV, et al. **Eksp Onkol** 1986;8(3):31–2 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Ploidy disturbances in endometrial and ovarian carcinomas. A review. Iversen OE, et al. **Anal Quant Cytol Histol** 1985 Dec;7(4):327–36 (83 ref.)

The endometrial hyperplasias and their relations to endometrial neoplasia. Fox H, et al. **Patol Pol** 1985 Jan-Mar;36(1):32–46

COMPLICATIONS

Genital tuberculosis in a postmenopausal patient with uterine myoma. Goovaerts G, et al. **Acta Clin Belg** 1985; 40(5):318–21

Endometrial polyps and hyperplasia as risk factors for endometrial carcinoma. A case-control study of curettage specimens. Pettersson B, et al. **Acta Obstet Gynecol Scand** 1985;64(8):653–9

Analysis of sequential treatment protocols for endometriosis-associated infertility. Olive DL, et al. **Am J Obstet Gynecol** 1986 Mar;154(3):613–9

The coexistence of carcinoma and tuberculosis in the uterine cervix: report of 2 cases. Hsu CT, et al. **Asia Oceania J Obstet Gynaecol** 1985 Sep;11(3):363–9

Benign senile pyometra, endometrial cholesterol granulomas and adenosquamous carcinoma. Pounder DJ, et al. **Aust NZ J Obstet Gynaecol** 1985 May;25(2):139–41

Postmenopausal bleeding and the endometrium. Fortier KJ. **Clin Obstet Gynecol** 1986 Jun;29(2):440–5 (18 ref.)

Choriocarcinoma in mother and fetus. Tsukamoto N, et al. **Gynecol Oncol** 1986 May;24(1):113–9

Intussusception of the appendix and endometriosis. Sonnino RE, et al. **Henry Ford Hosp Med J** 1986;34(1):61–4

Spontaneous rupture of pyometra due to leiomyomata. A case report. Jones VA, et al. **J Reprod Med** 1986 Jul; 31(7):637–8

Endometrial adenocarcinoma associated with drug-induced hyperprolactinemia. Ristic PI, et al. **Obstet Gynecol** 1986 Mar;67(3 Suppl):86S–88S

Naproxen reduces idiopathic but not fibromyoma-induced menorrhagia. Ylikorkala O, et al. **Obstet Gynecol** 1986 Jul; 68(1):10–2

[Polycythemia and uterine fibromyoma] Sommer S, et al. **Ugeskr Laeger** 1986 Aug 11;148(33):2092–3 (Eng. Abstr.) **(Dan)**

[Choriocarcinomatous neoplastic pulmonary embolism. A case] Liot F, et al. **Ann Med Interne (Paris)** 1985; 136(2):129–32 (Eng. Abstr.) **(Fre)**

[Unusual cause of pneumoperitoneum: upper genital infection complicating endometrial cancer. Apropos of 2 cases] Cougard P, et al. **J Chir (Paris)** 1985 May;122(5):315–7 (Eng. Abstr.) **(Fre)**

[Spinal cord compression complicating gynecological malignancy—report of four cases] Tsukamoto N, et al. **Gan No Rinsho** 1986 Feb;32(2):219–24 (Eng. Abstr.) **(Jpn)**

[A case of double malignant neoplasms with posthepatitis aplastic anemia and Stevens-Johnson-like syndrome induced by drugs] Hosokawa T, et al. **Rinsho Ketsueki** 1985 Jun;26(6):936–42 (Eng. Abstr.) **(Jpn)**

[Effectiveness of morphological urography in neoplasms of the genital organs] Mlosek K, et al. **Pol Przegl Radiol (Warszawa)** 1985 May-Jun;49(3):169–73 (Eng. Abstr.) **(Pol)**

[Tuberculosis in adenomyosis of the uterine body] Rozum VM. **Akush Ginekol (Mosk)** 1985 Jul;(7):64–5 **(Rus)**

[A case of massive hemorrhage and successful resuscitation] Badridinov IuN. **Anesteziol Reanimatol** 1985 Nov-Dec; (6):66–7 **(Rus)**

[Results of health resort treatment of women with chronic inflammation of the adnexae and uterine myoma] Borovskaia VD. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Jan-Feb;(1):44–6 **(Rus)**

[Coincidence of malignant tumors of the uterus and benign pathologic findings on the genital organs in operated patients] Stanimirović B, et al. **Srp Arh Celok Lek** 1985 Sep;113(9):785–90 (Eng. Abstr.) **(Scc)**

DIAGNOSIS

Müllerian inclusions in peritoneal washings. Potential source of error in cytologic diagnosis. Sneige N, et al. **Acta Cytol (Baltimore)** 1986 May-Jun;30(3):271–6

Leiomyomatosis peritonealis disseminata. Thejls H, et al. **Acta Obstet Gynecol Scand** 1986;65(4):373–4

Reliability of endometrial cancer diagnoses in a Swedish Cancer Registry—with special reference to classification bias related to exogenous estrogens. Persson I, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1986 May; 94(3):187–94

Ultrasonographic evidence of uterine malignancy in the postmenopausal uterus. Chambers CB, et al. **Am J Obstet Gynecol** 1986 Jun;154(6):1194–9

Prognostic value of peritoneal washings in patients with malignant mixed müllerian tumors of the uterus. Geszler G, et al. **Am J Obstet Gynecol** 1986 Jul;155(1):83–9

Radioimmunoassay of free beta-subunit of human chorionic gonadotropin as a prognostic test for persistent trophoblastic disease in molar pregnancy. Khazaeli MB, et al. **Am J Obstet Gynecol** 1986 Aug;155(2):320–4

Intermediate filaments in endometrial and endocervical carcinomas. The diagnostic utility of vimentin patterns. Dabbs DJ, et al. **Am J Surg Pathol** 1986 Aug;10(8):568–76

Differential diagnosis between uterine myoma and endometriosis using CA 125 as a new tumor marker of ovarian carcinoma. Takahashi K, et al. **Asia Oceania J Obstet Gynaecol** 1986 Mar;12(1):99–103

Pre-operative magnetic resonance imaging of stage 1 endometrial adenocarcinoma. Powell MC, et al. **Br J Obstet Gynaecol** 1986 Apr;93(4):353–60

Magnetic resonance imaging and hydatidiform mole. Powell MC, et al. **Br J Radiol** 1986 Jun;59(702):561–4

Flow cytometric DNA and 5'-nucleotide phosphodiesterase in endometrium. Tsou KC, et al. **Cancer** 1985 Nov 1; 56(9):2340–7

The validity of Pap smear parameters as predictors of endometrial pathology in menopausal women. Zucker PK, et al. **Cancer** 1985 Nov 1;56(9):2256–63

Interpretation of endometrium obtained by the Endo-pap sampler and a clinical study of its use. Palermo VG. **Diagn Cytopathol** 1985 Jan–Mar;1(1):5–12

Diagnostic validity of the Vabra Curettage. Compared study on 172 patients who underwent Vabra Curettage and the fractional curettage of the uterine cavity. Alberico S, et al. **Eur J Gynaecol Oncol** 1986;7(2):135–8

Hemangiopericytoma of the uterus vs. hemangiopericytoma-like endometrial stromal sarcoma: a histopathological approach to differential diagnosis. Betta PG, et al. **Eur J Obstet Gynecol Reprod Biol** 1985 Oct; 20(4):235–40

Non-resolution of pelvic sonographic abnormality after chemotherapy for persistent trophoblastic disease—a word of caution. Woo JS, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Jul;22(3):153–6

Current status of hysteroscopy in the gynecological oncology clinic. Stelmachów J. **Ginekol Pol** 1985 Sep;56(9):548–56

Gestational trophoblastic diseases: the ratio of choriogonadotropin to specific pregnancy protein, hCG/SP1, provides useful diagnostic and prognostic evidence. Szymendera JJ, et al. **Gynecol Oncol** 1986 Feb; 23(2):149–59

Two cases of dizygotic twins with androgenetic mole and normal conceptus. Ohama K, et al. **Hiroshima J Med Sci** 1985 Dec;34(4):371–5

Hyperthyroidism in a healthy pregnant woman. Himelman RB, et al. **Hosp Pract [Off]** 1986 Sep 15;21(9):38–40, 45

Reactive spindle cell nodule of the endocervix simulating uterine sarcoma. Kay S, et al. **Int J Gynecol Pathol** 1985; 4(3):255–7

Rudimentary uterine horn with adenomyosis and pelvic endometriosis in a 23-year-old girl. Tang LC, et al. **J Adolesc Health Care** 1986 Jul;7(4):265–7

Comparison of pre-operative endometrial sampling with operative specimen histology. Benrubi G, et al. **J Fla Med Assoc** 1986 Jun;73(6):450–3

Unilateral giant lung metastasis of uterine leiomyosarcoma: diagnostic pitfalls in an unusual case. Donath J, et al. **J Natl Med Assoc** 1986 Feb;78(2):144–7

Adenomyosis in pregnancy. A review. Azziz R. **J Reprod Med** 1986 Apr;31(4):224–7

Gestational trophoblastic disease with coexistent normal fetus: evaluation by ultrasound-guided chorionic villus sampling. Hertzberg BS, et al. **J Ultrasound Med** 1986 Aug; 5(8):467–9

Radioimmunodetection of human choriocarcinoma xenografts by monoclonal antibody to placental alkaline phosphatase. Mano H, et al. **Jpn J Cancer Res** 1986 Feb; 77(2):160–7

Metastatic choriocarcinoma masquerading as septic pulmonary embolization. Tawney S, et al. **Mt Sinai J Med (NY)** 1986 Feb;53(2):126–8

Screening for cervical cancer [letter] **NZ Med J** 1985 Nov 13;98(790):968

Natural history of partial molar pregnancy. Berkowitz RS, et al. **Obstet Gynecol** 1985 Nov;66(5):677–81

Diagnosis of hydatidiform mole by ultrasound. Gottesfeld KR, et al. **Obstet Gynecol** 1967 Aug;30(2):163–71

Dysgerminoma in the differential diagnosis of hydatidiform mole. Roberts DK, et al. **Obstet Gynecol** 1986 Mar;67(3 Suppl):92S–94S

New criteria for the diagnosis of gestational trophoblastic disease. Romero R, et al. **Obstet Gynecol** 1985 Oct; 66(4):553–8

Uterine leiomyomas: correlation of MR, histopathologic findings, and symptoms. Hricak H, et al. **Radiology** 1986 Feb;158(2):385–91

Uterine cervical cancer: assessment with high-field MR imaging. Togashi K, et al. **Radiology** 1986 Aug;160(2):431–5

Uterine neoplasms: MR imaging. Worthington JL, et al. **Radiology** 1986 Jun;159(3):725–30

Use of monoclonal antibodies in trophoblastic neoplasia. Ng SC, et al. **Singapore Med J** 1986 Apr;27(2):143–7

[Current possibilities for the early diagnosis of endometrial cancer] Istatkov M, et al. **Akush Ginekol (Sofiia)** 1986; 25(3):56–8 (Eng. Abstr.) **(Bul)**

[Placental trophoblastic tumor of the uterus: 5 cases] Zhang JM. **Chung Hua I Hsueh Tsa Chih** 1985 Jun;65(6):349–51 **(Chi)**

[Non-mole derived postmenopausal choriocarcinoma] Holst-Pedersen M, et al. **Ugeskr Laeger** 1985 Aug 5; 147(32):2529 (Eng. Abstr.) **(Dan)**

[Endometrial hyperplasia] Conte M, et al. **Rev Fr Gynecol Obstet** 1985 Oct;80(10):707–11 (Eng. Abstr.) **(Fre)**

[Progestogen tests after the menopause] Erny R, et al. **Rev Fr Gynecol Obstet** 1986 Apr;81(4):195–8 (Eng. Abstr.) **(Fre)**

[The problem of the diagnosis of adenocarcinoma of the endometrium] D'Amato T. **Minerva Ginecol** 1985 Nov; 37(11):627–33 (Eng. Abstr.) **(Ita)**

[Fibromas in pregnancy. Clinico-therapeutic considerations] Gilardenghi F. **Minerva Ginecol** 1985 Oct;37(10):571–80 (Eng. Abstr.) **(Ita)**

[Endometrial stromal sarcoma. Description of a clinical case and review of the literature] Vergara V, et al. **Minerva Ginecol** 1986 Jul–Aug;38(7–8):567–9 (Eng. Abstr.) **(Ita)**

[Hysterography and hysteroscopy. Comparative study of 50 patients] De Vivo D, et al. **Radiol Med (Torino)** 1986 May; 72(5):305–7 (Eng. Abstr.) **(Ita)**

[Clinical evaluation of fluorescein polarization of peripheral lymphocytes (SCM test) in the diagnosis of cancer] Matsumoto J, et al. **Nippon Gan Chiryo Gakkai Shi** 1985 May 20;20(4):728–34 (Eng. Abstr.) **(Jpn)**

[A study on ultrasound imaging of invasive mole and choriocarcinoma with regard to clinical significance] Fukumoto S. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Mar;38(3):366–74 (Eng. Abstr.) **(Jpn)**

[On the results of hydatidiform mole managed by Niigata method] Hando T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Dec; 37(12):2722–30 (Eng. Abstr.) **(Jpn)**

[Tissue polypeptide antigen as a tumor marker for gynecologic malignancies] Inoue M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Sep; 37(9):1799–805 (Eng. Abstr.) **(Jpn)**

[Newly developed enzyme immunoassay for hCG–beta CTP and its significance in follow-up practice of trophoblastic disease] Sato Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Jul; 38(7):1079–86 (Eng. Abstr.) **(Jpn)**

[Diagnostic usefulness of stepwise discriminant analysis employing the values of CA125, TPA, IAP, CEA and ferritin in sera measured simultaneously for gynecological malignant neoplasms] Yabushita H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Sep; 37(9):1883–92 (Eng. Abstr.) **(Jpn)**

[Diagnosis, clinical course and treatment of malignant mesotheliomas] Hołówka J, et al. **Pneumonol Pol** 1985 Jul; 53(7):356–61 (Eng. Abstr.) **(Pol)**

[Severity factors in uterine cancer] Găleşanu MR, et al. **Rev Med Chir Soc Med Nat Iasi** 1985 Oct–Dec;89(4):643–6 (Eng. Abstr.) **(Rum)**

[Clinical aspects, diagnosis and treatment of endometrial polyps in the post-menopausal period] Breusenko VG, et al. **Akush Ginekol (Mosk)** 1985 Aug;(9):14–8 (Eng. Abstr.) **(Rus)**

[Possibilities of using echography to detect pathological processes in the endometrium] Gus AI. **Akush Ginekol (Mosk)** 1985 Jun;(6):61–5 (Eng. Abstr.) **(Rus)**

[Current methods of diagnosing endometrial polyps] Lebedev VA. **Akush Ginekol (Mosk)** 1985 Jun;(6):65–8 (Eng. Abstr.) **(Rus)**

[Diagnosis of precancer and cancer of the endometrium in pre- and postmenopausal patients with uterine myoma] Mezinova NN, et al. **Akush Ginekol (Mosk)** 1985 Nov; (11):30–2 (Eng. Abstr.) **(Rus)**

[Value of hysteroscopy in the diagnosis of uterine myoma] Sudoma IA, et al. **Akush Ginekol (Mosk)** 1986 Feb;(2):27–8 (Eng. Abstr.) **(Rus)**

[Principles of the postgraduate training of pathologists in the histological diagnosis of precancer and early forms of cancer] Khmel'nitskiĭ OK, et al. **Arkh Patol** 1985; 47(11):62–8 (Eng. Abstr.) **(Rus)**

[Cytomorphological diagnosis of nonepithelial tumors of the uterus] Novik VI. **Arkh Patol** 1985;47(8):45–52 (Eng. Abstr.) **(Rus)**

[Electrophysiologic criteria of uterine myoma] Vasilevskaia LN, et al. **Sov Med** 1985;(8):56–8 (Eng. Abstr.) **(Rus)**

[Individual prognosis of uterine choriocarcinoma patients] Berëzkin DP, et al. **Vopr Onkol** 1986;32(3):27–32 (Eng. Abstr.) **(Rus)**

[Clinical aspects of a synchronous cancerous lesion of the corpus uteri and the ovaries] Shuvaeva NI, et al. **Vopr Onkol** 1986;32(3):32–5 (Eng. Abstr.) **(Rus)**

[The importance of ultrasonic diagnosis in tumors of the internal genital organs in gynecology and obstetrics] Proročić M, et al. **Srp Arh Celok Lek** 1985 Oct; 113(10):867–77 (Eng. Abstr.) **(Scc)**

[Clinical, ultra-echosonographic and histopathological correlations in gynecology] Rosales Estrada G, et al. **Ginecol Obstet Mex** 1985 Sep;53:253–5 (Eng. Abstr.) **(Spa)**

[Carcinoma of the endometrium, neoplasm of the colon and adenocarcinoma of the rectum in the same patient (letter)] Marcos Sánchez F, et al. **Rev Clin Esp** 1986 Jun; 179(2):101–2 **(Spa)**

[Human B-HCG and AFP as biological markers in germinal testicular tumors] Huertas Mora RA, et al. **Rev Esp Oncol** 1984;31(2):321–30 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Intramuscular administration of hydroxyprogesterone caproate in patients with endometrial carcinoma. Pharmacokinetics and effects on adrenal function. Onsrud M, et al. **Acta Obstet Gynecol Scand** 1985;64(6):519–23

ICRF-159 (razoxane) in patients with advanced adenocarcinoma of the endometrium. A Gynecologic Oncology Group Study. Homesley HD, et al. **Am J Clin Oncol** 1986 Feb;9(1):15–7

Phase II trial of piperazinedione in patients with advanced or recurrent uterine sarcoma. A Gynecologic Oncology Group study. Thigpen JT, et al. **Am J Clin Oncol** 1985 Oct;8(5):350–2

Phase II trial of piperazinedione in the treatment of advanced or recurrent endometrial carcinoma. A Gynecologic Oncology Group Study. Thigpen JT, et al. **Am J Clin Oncol** 1986 Feb;9(1):21–3

Cisplatin as second-line chemotherapy in the treatment of advanced or recurrent leiomyosarcoma of the uterus. A phase II trial of the Gynecologic Oncology Group. Thigpen JT, et al. **Am J Clin Oncol** 1986 Feb;9(1):18–20

The outcome of pregnancy after chemotherapy for gestational trophoblastic disease. Hsieh FJ, et al. **Biol Res Pregnancy Perinatol** 1985;6(4):177–80

The potential of carboxypeptidase G2–antibody conjugates as anti-tumour agents. I. Preparation of antihuman chorionic gonadotrophin-carboxypeptidase G2 and cytotoxicity of the conjugate against JAR choriocarcinoma cells in vitro. Searle F, et al. **Br J Cancer** 1986 Mar; 53(3):377–84

Developments in chemotherapy for medium- and high-risk patients with gestational trophoblastic tumours (1979–1984). Newlands ES, et al. **Br J Obstet Gynaecol** 1986 Jan;93(1):63–9

Cisplatin, vinblastine, and bleomycin combination therapy in resistant gestational trophoblastic disease. Gordon AN, et al. **Cancer** 1986 Oct 1;58(7):1407–10

Prophylactic chemotherapy for hydatidiform mole. Five to 15 years follow-up. Kashimura Y, et al. **Cancer** 1986 Aug 1;58(3):624–9

Adjuvant vincristine, dactinomycin, and cyclophosphamide therapy in stage I uterine sarcomas. A pilot study. van Nagell JR Jr, et al. **Cancer** 1986 Apr 15;57(8):1451–4

Primary oral etoposide therapy in gestational trophoblastic disease. An update. Wong LC, et al. **Cancer** 1986 Jul 1; 58(1):14–7

Hormone steroid receptor variation after tamoxifen administration in endometrial adenocarcinoma from postmenopausal patients. Di Fronzo G, et al. **Cancer Detect Prev** 1986;9(3–4):323–30

The intraoperative intraperitoneal administration of cisplatin: a case report. Markman M, et al. **Cancer Drug Deliv** 1985 Spring;2(2):87–90

Inhibition of endometrial carcinoma cell cultures by a synthetic androgen. Centola GM. **Cancer Res** 1985 Dec; 45(12 Pt 1):6264–7

Tamoxifen in advanced and recurrent uterine sarcomas: a phase II study. Gynecological Group, Clinical Oncological Society of Australia and the Cancer Institute, Melbourne, Australia. **Cancer Treat Rep** 1986 Jun;70(6):811–2

Ineffectiveness of tamoxifen in advanced endometrial carcinoma after failure of progestin treatment. Edmonson JH, et al. **Cancer Treat Rep** 1986 Aug;70(8):1019–20

Use of cisplatin, doxorubicin, and cyclophosphamide to treat advanced and recurrent adenocarcinoma of the endometrium. Hancock KC, et al. **Cancer Treat Rep** 1986 Jun;70(6):789–91

Mitoxantrone in adenocarcinoma of the endometrium: a Southwest Oncology Group Study. Hilgers RD, et al. **Cancer Treat Rep** 1985 Nov;69(11):1329–30

Phase II trial of cisplatin in the treatment of patients with advanced or recurrent mixed mesodermal sarcomas of the uterus: a Gynecologic Oncology Group Study. Thigpen JT, et al. **Cancer Treat Rep** 1986 Feb;70(2):271–4

Effect of tamoxifen on steroid hormone receptors and creatine kinase activity in human endometrial carcinoma. Iacobelli S, et al. **Eur J Cancer Clin Oncol** 1986 Jan; 22(1):105–10

Modalities and results of a combined anti-estrogenic therapy by means of tamoxifen and medroxyprogesterone in gynecologic cancerology. Bonte J, et al. **Eur J Gynaecol Oncol** 1986;7(1):45–50

A study of endometrial adenocarcinoma treated with tamoxifen by scanning and transmission electron microscopy. Rigano A, et al. **Eur J Gynaecol Oncol** 1985; 6(3):176–82

Risk factors in gestational trophoblastic disease, and consequences for primary treatment. Dijkema HE, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Jul;22(3):145–52

Invasive mole. Franke HR, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Mar;21(3):181–5

Long-acting gonadotropin hormone-releasing hormone analog used to treat uteri. Coddington CC, et al. **Fertil Steril** 1986 May;45(5):624–9

Treatment of persistent trophoblastic tissue after salpingostomy with methotrexate. Higgins KA, et al. **Fertil Steril** 1986 Mar;45(3):427–8

Effect of gestrinone in endometriosis tissue and endometrium. Kauppila A, et al. **Fertil Steril** 1985 Oct;44(4):466–70

Ten year's experience with methotrexate and folinic acid as primary therapy for gestational trophoblastic disease. Berkowitz RS, et al. **Gynecol Oncol** 1986 Jan;23(1):111–8

Modified Bagshawe's regimen in high-risk gestational trophoblastic disease. Wong LC, et al. **Gynecol Oncol** 1986 Jan;23(1):87–93

Toward removing uterine fibroids without surgery: subcutaneous infusion of a luteinizing hormone-releasing hormone agonist commencing in the luteal phase. Healy DL, et al. **J Clin Endocrinol Metab** 1986 Sep;63(3):619–25

VP-16 plus ifosfamide plus cisplatin as salvage therapy in refractory germ cell cancer. Loehrer PJ Sr, et al. **J Clin Oncol** 1986 Apr;4(4):528–36

Randomized trials in rare tumors [letter] Omura GA. **J Clin Oncol** 1986 Feb;4(2):262–3

Estrogen replacement therapy in the patient treated for endometrial cancer. Creasman WT, et al. **Obstet Gynecol** 1986 Mar;67(3):326–30

Melphalan, 5-fluorouracil, and medroxyprogesterone acetate in metastatic endometrial carcinoma. Piver MS, et al.

Obstet Gynecol 1986 Feb;67(2):261–4
Hepatic metastases in gestational trophoblastic disease. Wong LC, et al. **Obstet Gynecol** 1986 Jan;67(1):107–11
Chemotherapy for trophoblastic neoplasms in the Philippines. Gonzales RB.
Southeast Asian J Trop Med Public Health 1985 Dec; 16(4):669–74
[Hormonal therapy in endometrial cancer] Piura B.
Harefuah 1985 Jul;109(1–2):11–3 (Eng. Abstr.) (Heb)
[Effect of long–term high–dose progesterone (Depo–Provera) therapy on endometrial carcinoma] Szarvas Z, et al. **Morphol Igazsagugyi Orv Sz** 1985 Oct; 25(4):253–60 (Eng. Abstr.) (Hun)
[Hormonal therapy of endometrial cancer] Kato J.
Gan No Rinsho 1985 Jul;31(9 Suppl):1182–8 (Eng. Abstr.) (Jpn)
[Combination chemotherapy with peplomycin, cis–platinum and mitomycin C in gynecologic cancer] Yasui Y, et al. **Gan No Rinsho** 1985 Sep;31(11):1415–21 (Eng. Abstr.) (Jpn)
[Analysis of pregnancy outcome after chemotherapy of trophoblastic disease] Kobayashi O, et al.
Nippon Sanka Fujinka Gakkai Zasshi 1986 Feb;38(2):181–6 (Eng. Abstr.) (Jpn)
[Experimental studies on photorsdiation therapy (PRT)—effects of PRT on cultured human cancer cell lines] Kubota K, et al.
Nippon Sanka Fujinka Gakkai Zasshi 1986 Jun;38(6):863–70 (Eng. Abstr.) (Jpn)
[Pathogenesis and conservative therapy of uterine leiomyoma] Mori T, et al.
Nippon Sanka Fujinka Gakkai Zasshi 1986 Jul;38(7):1144–9 (Jpn)
[The effect of cis–platinum (CDDP) on methotrexate–resistant choriocarcinoma cell line] Sagawa T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Feb; 38(2):203–9 (Eng. Abstr.) (Jpn)
[Pregnancy after chemotherapy of invasive moles] Tomoda Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Jun; 38(6):976–8 (Jpn)
[Results of hormone and chemotherapy of patients with cancer of the corpus uteri] Ploch E. **Nowotwory** 1985 Jul–Sep;35(3):255–61 (Eng. Abstr.) (Pol)
[Hormonal therapy and uterine steroid receptors in myoma] Landekhovskil IuD. **Akush Ginekol (Mosk)** 1986 Feb; (2):10–4 (Eng. Abstr.) (Rus)
[Use of levamisole in the complex treatment of patients with endometriosis] Startseva NV, et al.
Akush Ginekol (Mosk) 1985 Nov;(11):47–50 (Eng. Abstr.) (Rus)
[Risk factors and choice of treatment method with uterine choriocarcinoma patients] Semenovskil AV. **Vopr Onkol** 1986;32(3):23–7 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Cytochrome P–450 activity in human leiomyoma and normal myometrium. Senler TI, et al. **Am J Obstet Gynecol** 1985 Nov 1;153(5):551–5
Histochemical observation of alkaline phosphatase in endometrial abnormalities. Tsukada H, et al.
Asia Oceania J Obstet Gynaecol 1985 Dec;11(4):581–8
Effects of steroid hormones and antisteroids on alkaline phosphatase activity in human endometrial cancer cells (Ishikawa line). Holinka CF, et al. **Cancer Res** 1986 Jun; 46(6):2771–4
Biochemical properties of alkaline phosphatase from endometrial cancer cells. Miggiano GA, et al. **Enzyme** 1985; 34(3):113–21
Effect of aminoglutethimide on androstenedione aromatase activity in human uterine leiomyoma. Yamamoto T, et al. **Horm Metab Res** 1985 Oct;17(10):548–9
Ornithine decarboxylase activity in human endometrium and endometrial cancer cells. Holinka CF, et al.
In Vitro Cell Dev Biol 1985 Dec;21(12):697–706
Immunohistochemical demonstration of amylase in endometrial carcinomas. Ueda G, et al.
Int J Gynecol Pathol 1986;5(1):47–51
Effects of estradiol on deoxyribonucleic acid polymerase alpha activity in the Ishikawa human endometrial adenocarcinoma cell line. Gravanis A, et al.
J Clin Endocrinol Metab 1986 Aug;63(2):356–9
The effects of medroxyprogesterone acetate on enzyme activities in human endometrial carcinoma. Philipson KA, et al. **J Steroid Biochem** 1985 Dec;23(6A):1059–64
Plasminogen activators and their inhibitors in normal, hyperplastic and carcinomatous human endometrium. Soszka T, et al. **Thromb Res** 1986 Jun 15;42(6):835–46
[Response of peroxidase activity to estrogen in normal and cancer human endometrial tissue] Nawa M, et al.
Nippon Sanka Fujinka Gakkai Zasshi 1985 Oct; 37(10):2131–2 (Jpn)
[Effect of 17 beta–estradiol on 3',5'–cyclic AMP phosphodiesterase of uterine tissues in myoma] Garnovskaia MN, et al. **Akush Ginekol (Mosk)** 1986 Feb; (2):20–2 (Eng. Abstr.) (Rus)
[Thermostabile alkaline phosphatase—a tumor marker for endometrial cancer] Volodin MA, et al.
Akush Ginekol (Mosk) 1986 Feb;(2):29–31 (Eng. Abstr.) (Rus)

ETIOLOGY

Relationship of premorbid state of nutrition to endometrial carcinoma. Jensen H. **Acta Obstet Gynecol Scand** 1986; 65(4):301–6
Menstruation span—a time–limited risk factor for endometrial carcinoma. Pettersson B, et al.
Acta Obstet Gynecol Scand 1986;65(3):247–55
Cigarette smoking and endometrial cancer [letter] Baron JA.
Am J Obstet Gynecol 1986 Apr;154(4):965
Risk factors for gestational trophoblastic neoplasia. Messerli ML, et al. **Am J Obstet Gynecol** 1985 Oct 1;153(3):294–300
Endometriosis in association with uterine anomaly. Sanfilippo JS, et al. **Am J Obstet Gynecol** 1986 Jan;154(1):39–43
Endometrial ossification. Purwar M, et al.
Asia Oceania J Obstet Gynaecol 1985 Sep;11(3):399–402
Carcinoma of the endometrium—changing trends in aetiology and management. Bond AP. **Br J Clin Pract** 1986 Apr;40(4):157–64
Parental age and risk of complete and partial hydatidiform mole. Parazzini F, et al. **Br J Obstet Gynaecol** 1986 Jun; 93(6):582–5
Nutrition and diet in the etiology of endometrial cancer. La Vecchia C, et al. **Cancer** 1986 Mar 15;57(6):1248–53
Role of diet in endometrial cancer patients. Villani C, et al. **Eur J Gynaecol Oncol** 1986;7(2):139–43
Choriocarcinoma following M.T.P. Sen Gupta A, et al.
J Indian Med Assoc 1984 Jul;82(7):255–6
Fat intake, obesity, and cancer of the breast and endometrium. Simopoulos AP.
Med Oncol Tumor Pharmacother 1985;2(3):125–35
Uterine tumor due to placenta increta. Badawy SZ, et al. **NY State J Med** 1985 Aug;85(8):512–3
Placental pseudotumor of the uterus: an iatrogenic disease? [letter] Waxman M. **NY State J Med** 1985 Nov;85(11):663–4
Choriocarcinoma associated with ectopic pregnancy. Lurain JR, et al. **Obstet Gynecol** 1986 Aug;68(2):286–7
[Malignancy of the uterine body after radiotherapy for carcinoma of uterine cervix—report of 12 cases] Yu GR.
Chung Hua Chung Liu Tsa Chih 1985 Sep;7(5):361–3 (Eng. Abstr.) (Chi)
[Mixed malignant Müllerian tumors of the uterus] Parent B, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1985; 14(5):575–82 (Eng. Abstr.) (Fre)
["Denervation" of the tumor node as one of the elements of the pathogenesis of uterine myoma] Savitskil GA, et al.
Akush Ginekol (Mosk) 1986 Feb;(2):24–7 (Eng. Abstr.) (Rus)

FAMILIAL & GENETIC

Family trait analysis: a case–control study of 43 women with endometriosis and their best friends. Lamb K, et al.
Am J Obstet Gynecol 1986 Mar;154(3):596–601
Demonstration of myc and ras oncogene expression by hybridization in situ in hydatidiform mole and in the BeWo choriocarcinoma cell line. Sarkar S, et al.
Am J Obstet Gynecol 1986 Feb;154(2):390–3
Hydatidiform mole: cytogenetic marker analysis in twin gestation. Report of two cases. Vejerslev LO, et al.
Am J Obstet Gynecol 1986 Sep;155(3):614–7
Long–term effects of chemotherapy on lymphocyte chromosomes from patients treated for gestational trophoblastic tumours. Reeves BR, et al. **Br J Cancer** 1985 Nov;52(5):719–24
Cytogenetic and clinical features of placental moles: synopsis and update. Davis JR. **Cancer Genet Cytogenet** 1986 Jan 1;19(1–2):123–7
Marker chromosomes of the long arm of chromosome 1 in endometrial carcinoma. Fujita H, et al.
Cancer Genet Cytogenet 1985 Dec;18(4):283–93
Primary cytogenetic abnormality detected in an endometrial adenocarcinoma. Jenkyn DJ, et al.
Cancer Genet Cytogenet 1986 Feb 1;20(1–2):149–57
Hydatidiform moles: methods for culture and cytogenetic analyses. Vejerslev LO, et al. **Cancer Genet Cytogenet** 1986 May;22(1):19–27
Recurrent endometrial adenocarcinoma with rearrangement of chromosomes 1 and 11. Yoshida MA, et al.
Cancer Genet Cytogenet 1986 Feb 1;20(1–2):159–62
Dispermy as the origin of partial moles as well as a nonmolar conception. Vejerslev LO, et al. **Gynecol Obstet Invest** 1986;21(1):26–31
Androgenetic origin of African complete hydatidiform moles demonstrated by HLA markers. Couillin P, et al.
Hum Genet 1985;71(2):113–6
Trisomy and tetrasomy for long arm of chromosome 1 in near–diploid human endometrial adenocarcinomas. Couturier J, et al. **Int J Cancer** 1986 Jul 15;38(1):17–9
Cytogenetic and clinicopathologic studies of partial moles. Ohama K, et al. **Obstet Gynecol** 1986 Aug;68(2):259–62
Identification of triploidy by DA/DAPI staining of trophoblastic interphase nuclei. Tommerup N, et al.
Placenta 1985 Jul–Aug;6(4):363–7
[Chromosomal studies in patients with trophoblastic diseases before and after chemotherapy] Li GR.
Chung Hua Fu Chan Ko Tsa Chih 1986 Jan;21(1):28–30, 60–1 (Eng. Abstr.) (Chi)
[Chromosome analysis of hydatidiform mole. Theoretical and clinical aspects] Vejerslev LO. **Ugeskr Laeger** 1985 Sep 30;147(40):3149–52 (Eng. Abstr.) (Dan)
[Leiomyosarcoma of the uterus in young identical twins] Mosel A, et al. **Geburtshilfe Frauenheilkd** 1986 Mar; 46(3):190–3 (Eng. Abstr.) (Ger)
[The cancer family syndrome—a case report] Nomizu T, et al. **Gan No Rinsho** 1986 Feb;32(2):186–9 (Eng. Abstr.) (Jpn)
[Abnormalities of chromosome involving 1q in uterine endometrial carcinomas] Fujita H, et al.
Nippon Sanka Fujinka Gakkai Zasshi 1986 Feb;38(2):236–42 (Eng. Abstr.) (Jpn)
[Analysis of dermatoglyphic indicators in women with uterine myoma] Krondzhavi E. **Akush Ginekol (Mosk)** 1986 Feb;(2):57–8 (Rus)

HISTORY

Concurrent discoveries of the value of vaginal smears for diagnosis of uterine cancer. Koprowska I.
Diagn Cytopathol 1985 Jul–Sep;1(3):245–8

IMMUNOLOGY

Expression of trophoblast–leukocyte common antigens and placental–type alkaline phosphatase in complete molar pregnancy. Berkowitz RS, et al. **Am J Obstet Gynecol** 1986 Aug;155(2):443–6
T–cell subsets and natural killer cell activity in patients with gestational trophoblastic neoplasia. Ho PC, et al.
Am J Obstet Gynecol 1986 Aug;155(2):330–4
CA 125 in gynecologic practice. Malkasian GD Jr, et al.
Am J Obstet Gynecol 1986 Sep;155(3):515–8
Primary chronic abortion, preeclampsia, idiopathic intrauterine growth retardation, hydatidiform mole, and choriocarcinoma: a unifying concept. Labarrere CA, et al.
Am J Reprod Immunol Microbiol 1986 Apr;10(4):156–7
Factor VIII related antigen in gestational trophoblastic disease. Chan PH, et al. **Br J Obstet Gynaecol** 1985 Oct; 92(10):1044–9
Distribution of epithelial membrane antigen in normal and abnormal endometrial tissue. Morse AR, et al.
Br J Obstet Gynaecol 1985 Dec;92(12):1286–90
Distribution of intact and Fab2(1) fragments of anti–human chorionic gonadotrophin antibodies in nude mice bearing human choriocarcinoma xenografts. Searle F, et al.
Cancer Immunol Immunother 1986;21(3):205–8
Evaluation of circulating immune complexes (C.I.C.) in endometrial cancer. Benedetti Panici P, et al.
Eur J Gynaecol Oncol 1986;7(1):27–9
Reactivity of anti–human sperm monoclonal antibodies with normal placenta, hydatidiform mole, and gestational choriocarcinoma. Berkowitz RS, et al. **Gynecol Oncol** 1985 Nov;22(3):334–40
Expression of Rh0(D) antigen in choriocarcinoma of the uterus in an Rh0(D)–negative patient: report of a case. Fischer HE, et al. **Hum Pathol** 1985 Nov;16(11):1165–7
The immune system during the pre–cancer and the early cancer period. IL–2 production by PBL from post–menopausal women with and without endometrial carcinoma. Yron I, et al. **Int J Cancer** 1986 Sep 15; 38(3):331–8
Epithelial antigens in malignant mixed Müllerian tumours of endometrium. Ramadan M, et al. **J Pathol** 1986 Jan; 148(1):13–8
Enhanced expression of HLA antigens on gynecologic cancer cells by interferon–gamma. Okamura K, et al.
Nippon Sanka Fujinka Gakkai Zasshi 1986 Jun;38(6):945–8
[Clinical significance of CA 19–9 as a tumor marker for gynecologic malignancies] Inoue M, et al.
Nippon Sanka Fujinka Gakkai Zasshi 1985 Nov; 37(11):2411–4 (Jpn)
[The production and reactivity of the monoclonal antibody (MCA–97) to endometrial adenocarcinoma] Inoue M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Jan; 38(1):53–8 (Eng. Abstr.) (Jpn)
[The differentiation antigen of trophoblast expressed on trophoblastic neoplasms (choriocarcinoma and hydatidiform mole) detected by monoclonal antibodies] Nakamura T, et al.
Nippon Sanka Fujinka Gakkai Zasshi 1986 Apr; 38(4):477–84 (Eng. Abstr.) (Jpn)
[Reactivity of two monoclonal antibodies (Troma 1 and CAM 5.2) on tissue sections—as a histological trophoblast marker in normal pregnancy and trophoblastic disease] Sasagawa M, et al.
Nippon Sanka Fujinka Gakkai Zasshi 1986 Apr; 38(4):535–44 (Eng. Abstr.) (Jpn)
[Immunohistochemical study on trophoblast subpopulations in normal pregnancy and trophoblastic disease] Sasagawa M. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Oct; 37(10):2010–8 (Eng. Abstr.) (Jpn)
[Clinical significance of tissue polypeptide antigen (TPA) and carbohydrate antigen 12–5 (CA 12–5) in the sera from patients with various gynecologic tumors] Tohya T, et al.
Nippon Sanka Fujinka Gakkai Zasshi 1985 Dec; 37(12):2872–5 (Jpn)
[Clinical significances of tissue polypeptide antigen in patients with gynecological malignancies] Ueda M, et al.
Nippon Sanka Fujinka Gakkai Zasshi 1985 Nov; 37(11):2361–8 (Eng. Abstr.) (Jpn)
[Studies on HLA–class I and class II antigen expression in cultured choriocarcinoma cell lines] Yamashita K, et al.
Nippon Sanka Fujinka Gakkai Zasshi 1986 Jan;38(1):17–22 (Eng. Abstr.) (Jpn)

METABOLISM

Affinity to lectin, biological and immunological characteristics of human chorionic gonadotropins from pregnant women and trophoblastic tumour patients. Koyama K, et al. **Acta Endocrinol (Copenh)** 1986 Aug; 112(4):579–85

Ovarian steroid production in a woman with polycystic ovary syndrome associated with endometrial cancer. Dennefors BL, et al. **Acta Obstet Gynecol Scand** 1985;64(5):387–92

Cholesterol esterification in human secretory endometrium and in endometrial cancer tissue. Demonstration of microsomal acyl–CoA–cholesterol acyl–transferase (ACAT) activity. Omajø IH, et al.
Acta Obstet Gynecol Scand 1985;64(6):473–6

Concomitant neuropeptide–producing endometrial carcinomas and ileal carcinoid tumors. Wick MR, et al. **Am J Clin Pathol** 1986 Apr;85(4):406–10

Histologic control of biochemical steroid receptor analysis in endometrial carcinomas. Soper JT, et al.
Am J Obstet Gynecol 1985 Nov 1;153(5):520–3

Endocrine aspects of human uterine sarcoma: a preliminary study. Tseng L, et al. **Am J Obstet Gynecol** 1986 Jul; 155(1):95–101

Progesterone receptors in two groups of endometrial carcinoma. Deligdisch L, et al. **Cancer** 1986 Apr 1; 57(7):1385–8

Immunocytochemical assay of estrogen receptors in endometrial carcinoma with monoclonal antibodies. Comparison with biochemical assay. Pertschuk LP, et al. **Cancer** 1986 Mar 1;57(5):1000–4

Biological activity of the unique variants of human chorionic gonadotropin in choriocarcinoma tissue. Yazaki K, et al. **Cancer Lett** 1985 Oct;29(1):23–8

Differential modulation of chorionic gonadotropin (CG) subunit messenger ribonucleic acid levels and CG secretion by progesterone in normal placenta and choriocarcinoma cultured in vitro. Maruo T, et al. **Endocrinology** 1986 Aug; 119(2):855–64

Copper and zinc concentrations in normal and malignant tissues of ovary, uterus and cervix. Jendryczko A, et al. **Ginekol Pol** 1985 Nov;56(11):677–81

alpha–1–Antitrypsin, alpha–1–antichymotrypsin, actin, and myosin in uterine sarcomas. Marshall RJ, et al.
Int J Gynecol Pathol 1985;4(4):346–54

Epidermal growth factor inhibits the proliferation of a human endometrial carcinoma cell line. Korc M, et al.
J Clin Endocrinol Metab 1986 May;62(5):874–80

Expression of the human c–fms proto–oncogene product (colony–stimulating factor–1 receptor) on peripheral blood mononuclear cells and choriocarcinoma cell lines. Rettenmier CW, et al. **J Clin Invest** 1986 Jun;77(6):1740–6

Abnormal steroid excretion in gestational trophoblastic disease complicated by ovarian theca–lutein cysts. Bevan BR, et al. **J Clin Pathol** 1986 Jun;39(6):627–34

Basement membrane laminin and type IV collagen in endometrial adenocarcinoma: relation to differentiation and treatment. Stenbäck F, et al. **Oncology** 1985;42(6):370–6

Serum proteins in vesicular fluid of hydatidiform moles: a lack of selectivity of molar trophoblast in the transfer of maternal serum proteins. Hagiwara K, et al. **Placenta** 1986 May–Jun;7(3):199–207

[The relationship between changes of the steroid receptor and synchronization in human adenocarcinoma cells in vitro of the endometrium] Saito S, et al.
Nippon Naibunpi Gakkai Zasshi 1985 Oct 20;61(10):1210–20 (Eng. Abstr.) **(Jpn)**

[Interrelations between hormones and 3',5'–cyclic adenosine monophosphate in patients of reproductive age with uterine myoma] Dobrotina AF, et al. **Akush Ginekol (Mosk)** 1986 Feb;(2):14–7 (Eng. Abstr.) **(Rus)**

[Study of body composition by potassium–40 measurement in patients with breast and uterine cancer] Titov VK, et al. **Vopr Onkol** 1986;32(7):43–8 (Eng. Abstr.) **(Rus)**

[Tissue hormonal concentration: estrogen uptake by the myometrium] Parra Carracosa JL, et al.
Ginecol Obstet Mex 1985 Jun;53:153–5 (Eng. Abstr.) **(Spa)**

MORTALITY

Factors associated with survival differences between black women and white women with cancer of the uterine corpus. Steinhorn SC, et al. **Am J Epidemiol** 1986 Jul; 124(1):85–93

The significance of paraaortic node status in carcinoma of the cervix and endometrium. Manetta A, et al.
Gynecol Oncol 1986 Mar;23(3):284–90

Endometrial adenocarcinoma: clinical outcome in 881 patients and analysis of 146 patients whose deaths were due to endometrial cancer. Tiitinen A, et al.
Gynecol Oncol 1986 Sep;25(1):11–9

Period and cohort trends in mortality from cancers of the uterus in England and Wales. A new theory of changing gene frequencies. Burch PR. **Med Hypotheses** 1986 May; 20(1):53–63

Female reproductive organs and breast cancer mortality in New Jersey counties and the relationship with certain environmental variables. Najem GR, et al. **Prev Med** 1985 Sep;14(5):620–35

NURSING

[Nursing care of patients with side effects of chemotherapy of choriocarcinoma and invasive mole]
Chung Hua Hu Li Tsa Chih 1986 Jun;21(3):100–2, 105 **(Chi)**

OCCURRENCE

Choriocarcinoma incidence in the United States. Brinton LA, et al. **Am J Epidemiol** 1986 Jun;123(6):1094–100

Epidemiology of hydatidiform mole during early gestation. Atrash HK, et al. **Am J Obstet Gynecol** 1986 Apr; 154(4):906–9

Occurrence of molar pregnancy in patients undergoing elective abortion: comparison with other clinical presentations. Yuen BH, et al. **Am J Obstet Gynecol** 1986 Feb;154(2):273–6

UK registration scheme for hydatidiform mole 1973–83 [editorial] Bagshawe KD. **Br J Obstet Gynaecol** 1986 Jun; 93(6):529–31

Endometrial carcinoma in Nigerians. A pathologic study. Mordi VP, et al. **Cancer** 1986 May 1;57(9):1840–1

Endometrial carcinoma. A retrospective, epidemiological study. Jensen H. **Dan Med Bull** 1985 Aug;32(4):219–28

Complete hydatidiform mole in Hawaii: an epidemiological study. Matsuura J, et al. **Genet Epidemiol** 1984;1(3):271–84

Frequency of hydatidiform mole in Lombardy, Northern Italy. Mazzanti P, et al. **Gynecol Oncol** 1986 Jul; 24(3):337–42

Age dependence in cancers of the breast, ovary and endometrium. Cuzick J. **IARC Sci Publ** 1985;(58):97–104

Adenomyosis of the uterus: an enigma. Thompson JR, et al. **J Natl Med Assoc** 1986 Apr;78(4):305–7

The epidemiology of sarcomas of the uterus. Harlow BL, et al. **JNCI** 1986 Mar;76(3):399–402

Evaluation of the efficacy of mass screening for uterine cancer in Japan. Kuroishi T, et al. **Jpn J Cancer Res** 1986 Apr;77(4):399–405

A case–control study of trophoblastic diseases in the People's Republic of China. Wu PC, et al.
Natl Cancer Inst Monogr 1985 Dec;69:15–8

Risk factors and current management in carcinoma of the endometrium. Wharton JT, et al. **Surg Gynecol Obstet** 1986 Jun;162(6):515–20

[Placental tumors in Tunisia. Apropos of 35 cases] Ben Ayed F, et al. **Tunis Med** 1986 Feb;64(2):137–41 (Eng. Abstr.) **(Fre)**

[Clinico–epidemiological aspects of adenocarcinoma of the endometrium in the Vercelli province] Coggiola F, et al. **Minerva Ginecol** 1986 Jul–Aug;38(7–8):605–8 (Eng. Abstr.) **(Ita)**

[Epidemiology of malignant endometrial neoplasms. Comparative survey of case records of 2 hospital departments comprising 454 cases] Scaglione V, et al.
Minerva Ginecol 1985 Dec;37(12):763–9 (Eng. Abstr.) **(Ita)**

[Population screening for cancer and diagnostic cytology] Shibata H. **Rinsho Byori** 1986 Feb;34(2):148–54 **(Jpn)**

[Evaluation of the cancer risk of intrauterine contraception based on cytological studies of the endometrium] Petrov IuA. **Vopr Onkol** 1985;31(12):53–6 (Eng. Abstr.) **(Rus)**

[Risk factors in uterine choriocarcinoma patients and their effect on the treatment results] Semenovskil AV.
Vopr Onkol 1986;32(1):64–70 (Eng. Abstr.) **(Rus)**

[Incidence and therapeutic control of gestational trophoblastic disease] Zarain García AJ, et al.
Ginecol Obstet Mex 1986 Jan;54:8–11 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Comparison of cytohormonal status of postmenopausal women with cancer to age–matched controls. Cassano PA, et al. **Acta Cytol (Baltimore)** 1986 Mar–Apr;30(2):93–8

Cytologic findings in primary malignant carcinoid tumor of the cervix. Including immunohistochemistry and electron microscopy performed on cervical smears. Miles PA, et al. **Acta Cytol (Baltimore)** 1985 Nov–Dec;29(6):1003–8

Ciliated adenocarcinoma of the endometrium. Haibach H, et al. **Acta Obstet Gynecol Scand** 1985;64(5):457–62

A cystic adenomatoid tumor of the uterus simulating lymphangioma grossly. Iwasaki I, et al.
Acta Pathol Jpn 1985 Jul;35(4):989–93

Endolymphatic stromal myosis of the uterus with metastasis to ovary and recurrence in vagina. Yu TJ, et al.
Acta Pathol Jpn 1986 Feb;36(2):301–8

Choriocarcinoma in pregnancy. Case report. Kudela M, et al. **Acta Univ Palacki Olomuc Fac Med** 1984;107:367–71

Invasive partial mole. Gaber LW, et al.
Am J Clin Pathol 1986 Jun;85(6):722–4

Analysis of the relationships of the ploidy and cell cycle kinetics to differentiation and the female sex steroid hormone receptors in adenocarcinoma of the endometrium. Geisinger KR, et al. **Am J Clin Pathol** 1986 May; 85(5):536–41

Atypical polypoid adenomyoma of the uterus. A report of 27 cases. Young RH, et al. **Am J Clin Pathol** 1986 Aug; 86(2):139–45

Leiomyosarcoma metastatic to the back and scalp from a primary neoplasm in the uterus. Alessi E, et al.
Am J Dermatopathol 1985 Oct;7(5):471–6

Para–aortic node biopsy in cervical and endometrial cancers: does it affect survival? Blythe JG, et al.
Am J Obstet Gynecol 1986 Aug;155(2):306–14

The effect of dehydroepiandrosterone sulfate on de novo and low–density lipoprotein–stimulated progesterone secretion by human choriocarcinoma JEG–3 cells. Moise J, et al.
Am J Obstet Gynecol 1986 May;154(5):1080–5

Apoplectic leiomyomas of the uterus. A clinicopathologic study of five distinctive hemorrhagic leiomyomas associated with oral contraceptive usage. Myles JL, et al.
Am J Surg Pathol 1985 Nov;9(11):798–805

Uterine sarcomas. Punnonen R, et al.
Ann Chir Gynaecol [Suppl] 1985;197:11–4

Ruptured adenomyotic cyst of the uterus—a case report. Keating S, et al. **Arch Gynecol** 1986;237(3):169–73

Embryonic implantation in carcinoma of the endometrium. Pulitzer DR, et al. **Arch Pathol Lab Med** 1985 Dec; 109(12):1089–92

Recurrence of invasive moles and choriocarcinomas. Hirokawa K, et al. **Asia Oceania J Obstet Gynaecol** 1986 Mar;12(1):11–20

A huge rapidly growing leiomyoma in the first trimester of pregnancy. Kawarabayashi T, et al.
Asia Oceania J Obstet Gynaecol 1985 Dec;11(4):557–61

Mixed mesodermal tumor of the uterine cervix—a trial search for intermediate forms between carcinoma and sarcoma. Tokunaga T, et al. **Asia Oceania J Obstet Gynaecol** 1985 Sep;11(3):429–35

A rare pelvic mass: osteosarcoma of the body of the uterus. Jotkowitz MW, et al. **Aust NZ J Obstet Gynaecol** 1985 May;25(2):132–6

Heterotopic adipose and glial tissue in the endometrium with staining for glial fibrillary acidic protein. Case report. Brown LJ, et al. **Br J Obstet Gynaecol** 1986 Jun;93(6):637–9

Metastasizing leiomyoma of the uterus and hormonal manipulations. Case report. Evans AJ, et al.
Br J Obstet Gynaecol 1986 Jun;93(6):646–8

Epithelioid leiomyosarcoma of the uterus. Buscema J, et al. **Cancer** 1986 Mar 15;57(6):1192–6

Correlation of female sex steroid hormone receptors with histologic and ultrastructural differentiation in adenocarcinoma of the endometrium. Geisinger KR, et al. **Cancer** 1986 Oct 1;58(7):1506–17

Endometrial adenocarcinoma. A multiparameter clinicopathologic analysis including the DNA profile and the sex steroid hormone receptors. Geisinger KR, et al. **Cancer** 1986 Oct 1;58(7):1518–25

Müllerian adenosarcoma with ovarian sex cord–like differentiation. A light– and electron–microscopic study. Hirschfield L, et al. **Cancer** 1986 Mar 15;57(6):1197–200

Stage III endometrial carcinoma. A review of 90 cases. Mackillop WJ, et al. **Cancer** 1985 Nov 15;56(10):2519–23

Melanotic paraganglioma of the uterus. Tavassoli FA.
Cancer 1986 Aug 15;58(4):942–8

Choriocarcinoma with brain metastases. Successful management of increased intracranial pressure with barbiturates. Wolf AL, et al. **Cancer** 1986 Apr 1; 57(7):1432–6

Primary squamous cell carcinoma with its spindle cell variant in the endometrium. A case report and review of literature. Yamashina M, et al. **Cancer** 1986 Jan 15;57(2):340–5

The course of endomitosis in human cells. Therman E, et al. **Cancer Genet Cytogenet** 1986 Jan 15;19(3–4):301–10

Vaginal metastasis of choriocarcinoma and invasive mole. Clinical and pathological characteristics, diagnosis and treatment. Yang XY, et al. **Chin Med J [Engl]** 1985 Jul; 98(7):463–70

Cerebral hemorrhage from unsuspected choriocarcinoma. van den Doel EM, et al. **Clin Neurol Neurosurg** 1985; 87(4):287–90

Value of the new "Endopap" device for the cytological detection of endometrial precancerous lesions. Cardillo MR. **Eur J Gynaecol Oncol** 1986;7(1):51–8

Behavioural pattern of tumour cells in mouse uterus. Maharajan P, et al. **Gynecol Obstet Invest** 1986;21(1):32–9

Hepatic metastases of choriocarcinoma: a report of 15 patients. Barnard DE, et al. **Gynecol Oncol** 1986 Sep; 25(1):73–83

Gestational trophoblastic disease: the significance of vaginal metastases. Goldberg GL, et al. **Gynecol Oncol** 1986 Jun; 24(2):155–61

Microhysteroscopy in evaluation of the endocervix in endometrial carcinoma. Goldberg GL, et al.
Gynecol Oncol 1986 Jun;24(2):189–93

Choriocarcinoma associated with undetectable levels of human chorionic gonadotropin. Lemonnier MC, et al.
Gynecol Oncol 1986 Sep;25(1):48–52

Uterine sarcoma in Israel: a study of 104 cases [letter] Menczer J. **Gynecol Oncol** 1985 Nov;22(3):380

Malignant osteoclast–like giant cell tumor associated with a uterine leiomyosarcoma. Pilon VA, et al.
Gynecol Oncol 1986 Mar;23(3):381–6

Long–dormant invasive mole associated with multiple malignancies. Sato H, et al. **Gynecol Oncol** 1985 Oct; 22(2):240–3

Clinical significance of argyrophilia in endometrial carcinomas. Sato Y, et al. **Gynecol Oncol** 1986 Sep; 25(1):53–60

Invasion potential of human choriocarcinoma cell lines and the role of lytic enzymes. Sekiya S, et al.
Gynecol Oncol 1985 Nov;22(3):324–33

Endometrial stromal cells in culture: an attempt to understand the genesis and biologic activity of uterine sarcomas. Walton LA, et al. **Gynecol Oncol** 1986 Jun;24(2):247–57

Circumscribed endometrial stromatosis of the uterus with marked epitheliogenesis. Yu TJ, et al. **Gynecol Oncol** 1986

Jul;24(3):367–72
Plexiform tumorlet of the uterus: immunohistological evidence for a smooth muscle origin. Balaton AJ, et al. **Histopathology** 1986 Jul;10(7):749–54
Alveolar soft part sarcoma of the uterus. Gray GF Jr, et al. **Hum Pathol** 1986 Mar;17(3):297–300
Uterine tumor resembling ovarian sex cord tumors: report of a case with ultrastructural study. Kantelip B, et al. **Hum Pathol** 1986 Jan;17(1):91–4
Primary osteosarcoma of the uterine corpus. Report of a case and critical review of the literature. Piscioli F, et al. **Int J Gynaecol Obstet** 1985 Oct;23(5):377–85
Adenomatoid tumor of uterus: presentation in endometrial curettings. Carlier MT, et al. **Int J Gynecol Pathol** 1986; 5(1):69–74
Endometrial papillary adenocarcinomas: two clinicopathological types. Chen JL, et al. **Int J Gynecol Pathol** 1985;4(4):279–88
Uterine tumor resembling an ovarian sex-cord tumor: report of a case of an endometrial stromal tumor with foam cells and ultrastructural evidence of epithelial differentiation. Fekete PS, et al. **Int J Gynecol Pathol** 1985;4(4):378–87
Secretory adenocarcinoma of the endometrium. Tobon H, et al. **Int J Gynecol Pathol** 1985;4(4):328–35
Diffuse viral papillomatosis (condyloma) of the uterine cavity. Venkataseshan VS, et al. **Int J Gynecol Pathol** 1985; 4(4):370–7
Case report of two primary tumors: mullerian adenosarcoma and endometrial adenocarcinoma. Bahari CM, et al. **Isr J Med Sci** 1986 Feb;22(2):127–30
Infantile choriocarcinoma with cutaneous tumors. An additional case and review of the literature. Avril MF, et al. **J Am Acad Dermatol** 1986 May;14(5 Pt 2):918–27
Sudden death caused by embolization of trophoblast from hydatidiform mole. Cohle SD, et al. **J Forensic Sci** 1985 Oct;30(4):1279–83
Peritoneal cytology in stage I endometrial cancer. Hernandez E, et al. **J Natl Med Assoc** 1985 Oct;77(10):799–803
Reappraisal of endocervical curettage in predicting cervical involvement by endometrial carcinoma. Chen SS, et al. **J Reprod Med** 1986 Jan;31(1):50–2
Documentation of subclinical trophoblastic embolization with invasive cardiac monitoring in a woman with a molar pregnancy. A case report. Twiggs LB, et al. **J Reprod Med** 1986 Apr;31(4):277–9
Responses to estradiol in a human endometrial adenocarcinoma cell line (Ishikawa). Holinka CF, et al. **J Steroid Biochem** 1986 Jan;24(1):85–9
Sonographic depiction of normal and abnormal endometrium with histopathologic correlation. Fleischer AC, et al. **J Ultrasound Med** 1986 Aug;5(8):445–52
Carcinoma of the endometrium in young women. Whitaker GK, et al. **Milit Med** 1986 Jan;151(1):25–31
Ovarian and endometrial endometrioid carcinoma: diagnostic implications of flow cytometry. Vassilev NB, et al. **Neoplasma** 1986;33(1):57–62
Prognostic significance of squamous differentiation in stage I endometrial adenocarcinoma. Demopoulos RI, et al. **Obstet Gynecol** 1986 Aug;68(2):245–50
Papillary serous adenocarcinoma of the endometrium. Jeffrey JF, et al. **Obstet Gynecol** 1986 May;67(5):670–4
Sarcomas of the uterus: a clinicopathologic study of 119 patients. Kahanpää KV, et al. **Obstet Gynecol** 1986 Mar; 67(3):417–24
Malignant leiomyomatosis peritonealis disseminata. Rubin SC, et al. **Obstet Gynecol** 1986 Jul;68(1):126–30
Adenocarcinoma arising in adenomyosis detected by atypical cytology. Woodruff JD, et al. **Obstet Gynecol** 1986 Jan; 67(1):145–8
Atypical polypoid adenomyoma: a case report with ultrastructural examination. Delprado WJ, et al. **Pathology** 1985 Jul;17(3):522–5
Endometrial carcinoma and its precursors. Dallenbach-Hellweg G. **Pathol Pol** 1985 Jan–Mar; 36(1):23–31
Multicentric müllerian squamous neoplasia. Vega AP, et al. **South Med J** 1985 Nov;78(11):1360–2
Papillary serous carcinoma with basophilic cytoplasmic granules. Willett GD, et al. **Ultrastruct Pathol** 1985; 8(1):115–8
[Müller adenosarcoma of the uterus] Bjerregaard B, et al. **Ugeskr Laeger** 1985 Jul 15;147(29):2306–7 (Eng. Abstr.) (Dan)
[Sarcoma of the uterus. A retrospective clinical study of 56 cases] Dreisler A, et al. **Ugeskr Laeger** 1985 Nov 11; 147(46):3698–701 (Eng. Abstr.) (Dan)
[Trophoblastic tumor (of the placental site). Nosologic and prognostic considerations apropos of 4 cases] Bellocq JP, et al. **Arch Anat Cytol Pathol** 1985;33(4):241 (Eng. Abstr.) (Fre)
[Results of the transplantation of 2 lines of human endometrial adenocarcinoma into the nude mouse: takes of the graft and true tumors] Marques B, et al. **Bull Assoc Anat (Nancy)** 1984 Sep;68(202):345–55 (Eng. Abstr.) (Fre)
[Morphologic criteria in genital herpesvirus infections. Their value in diagnosis, their place in therapeutic indications] Dargent D. **Rev Fr Gynecol Obstet** 1986 Apr;81(4):207–8, 211–4, 217–8 (Eng. Abstr.) (Fre)
[Metastasizing leiomyoma of the uterus. Apropos of 2 cases] Heisel J, et al. **Rev Fr Gynecol Obstet** 1985 Jan;80(1):7–13 (Eng. Abstr.) (Fre)
[Long-term study of endometrial cell sampling and cytologic evaluation with special reference to Prevical and Curity] Caniels B, et al. **Geburtshilfe Frauenheilkd** 1985 Dec; 45(12):853–9 (Eng. Abstr.) (Ger)
[Stromal endometriosis. A rare semimalignant tumor with a tendency to recur. Clinical follow-up over 17 years] Christmann D, et al. **Geburtshilfe Frauenheilkd** 1985 Nov; 45(11):792–6 (Eng. Abstr.) (Ger)
[Morphologic prognostic criteria in endometrial cancer with special reference to nuclear grading] Schneider ML. **Geburtshilfe Frauenheilkd** 1986 May;46(5):267–77 (Eng. Abstr.) (Ger)
[Possibilities and limits of a cytologic early detection program for endometrial cancer] Schneider ML. **Geburtshilfe Frauenheilkd** 1985 Dec;45(12):831–9 (Eng. Abstr.) (Ger)
[Endometrium cytology with endoscan] Heinzl S, et al. **Gynakol Rundsch** 1986;26(1):26–34 (Eng. Abstr.) (Ger)
[Experiences with a cytologic method of diagnosing endometrial cancer] Hüber P. **Zentralbl Gynakol** 1986; 108(11):670–6 (Eng. Abstr.) (Ger)
[Lipoma of the uterus. Observation of 3 cases] Castagnola D, et al. **Minerva Ginecol** 1986 Jul–Aug;38(7–8):571–4 (Eng. Abstr.) (Ita)
[Cytology of the endometrium] **Pathologica** 1984;76 Suppl:S221–51 (Ita)
[Histopathological changes in endometrial cancer treated with tamoxifen] Lin HH, et al. **Gan To Kagaku Ryoho** 1986 Apr;13(4 Pt 1):1038–43 (Eng. Abstr.) (Jpn)
[Two cases of metastatic renal tumor] Yagame M, et al. **Hinyokika Kiyo** 1986 Jan;32(1):77–84 (Eng. Abstr.) (Jpn)
[A comparative study of the peri-focal stromal reaction in endometrial carcinoma and internal endometriosis] Shoda H. **Nippon Gan Chiryo Gakkai Shi** 1986 Apr 20;21(3):621–31 (Eng. Abstr.) (Jpn)
[Anti-tumor effects of the anti-hCG antibody on choriocarcinoma] Tadera S, et al. **Nippon Gan Chiryo Gakkai Shi** 1985 Apr 20;20(3):550–5 (Eng. Abstr.) (Jpn)
[A study on the contact effects producing radioresistance of uterine adenocarcinoma] Toyoizumi T. **Nippon Gan Chiryo Gakkai Shi** 1985 Dec 20;20(10):2329–37 (Eng. Abstr.) (Jpn)
[Establishment and characterization of a pulmonary metastatic cell line derived from human choriocarcinoma cell line (GCH–1)] Adachi S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Jun;38(6):961–2 (Jpn)
[On interrupted postmolar choriocarcinoma] Hando T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Oct; 37(10):2019–22 (Eng. Abstr.) (Jpn)
[Chemosensitivity test for gynecologic malignancies by in vitro colony assay] Kano T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Dec; 37(12):2827–36 (Eng. Abstr.) (Jpn)
[Histopathologic study of uterine adenomatoid tumor with special reference to histogenesis] Kobayashi S. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Sep; 37(9):1833–40 (Eng. Abstr.) (Jpn)
[Radiation-induced differential responses of uterine adeno- and squamous cell carcinoma spheroids in dose-survival relationships] Sasaki H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 May; 38(5):638–42 (Eng. Abstr.) (Jpn)
[Correlation between nuclear DNA content and cellular morphology in endometrial cancer—analysis by cell sorting with flow cytometry] Sugita M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Feb; 38(2):195–202 (Eng. Abstr.) (Jpn)
[A case of endometrial adenocarcinoma and ovarian endometrioid carcinoma complicated with polycystic ovary syndrome] Suzuki M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Jul;38(7):1150–3 (Jpn)
[Correlates of the histological features of cancer of the uterine body] Rowiński J, et al. **Patol Pol** 1985 Apr–Jun; 36(2):168–77 (Eng. Abstr.) (Pol)
[Euclidean distance as a measure of the degree of differentiation of cancer of the uterine body] Rowiński J, et al. **Patol Pol** 1985 Apr–Jun;36(2):153–67 (Eng. Abstr.) (Pol)
[Myxoid leiomyosarcoma of the uterus] Delmonte V, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1985 Jul–Aug; 40(4):200–2 (Eng. Abstr.) (Por)
[Morphological and histochemical study of the placenta of uterine leiomyoma patients] Zheleznov BI, et al. **Akush Ginekol (Mosk)** 1986 Mar;(3):55–9 (Eng. Abstr.) (Rus)
[Value of the cytological method in the diagnosis of endometrial precancer and cancer] Kozbagarova RG, et al. **Lab Delo** 1985;(11):662–5 (Eng. Abstr.) (Rus)
[Comparative clinico-morphological characteristics of the variants of adeno-squamous carcinoma and adenocarcinoma of the endometrium] Smirnov OA, et al. **Vopr Onkol** 1985;31(11):48–54 (Eng. Abstr.) (Rus)
[The state of the endometrium and myometrium in patients with ovarian tumors and tumor-like growths] Utkin IuK. **Vopr Onkol** 1985;31(11):44–8 (Eng. Abstr.) (Rus)
[Premalignant and malignant changes in the uterine cervix in women younger than 30 years] Postružnik S, et al. **Jugosl Ginekol Perinatol** 1985 Sep–Dec;25(5–6):121–4 (Eng. Abstr.) (Ser)
[Clinical and histologic diagnosis of precancerous conditions of the endometrium] Bárdoš A, et al. **Cesk Gynekol** 1986 Jun;51(5):332–7 (Eng. Abstr.) (Slo)

PHYSIOPATHOLOGY

Return of ovulation after evacuation of hydatidiform moles. Ho PC, et al. **Am J Obstet Gynecol** 1985 Nov 15; 153(6):638–42
Corpus and cervix cancer: a nutritional comparison. Orr JW Jr, et al. **Am J Obstet Gynecol** 1985 Dec 1;153(7):775–9
Sex steroid receptors in normal and malignant endometrium. Mortel R, et al. **Ann Pathol** 1986;6(2):109–14 (16 ref.)
Sexual dysfunction and signs of gynecologic cancer. Andersen BL, et al. **Cancer** 1986 May 1;57(9):1880–6
Huge intraabdominal fibromatosis on the posterior wall of uterus: a case report. Tamaya T, et al. **Gynecol Oncol** 1986 May;24(1):129–34
Hormone-dependence of endometrial cancer. Gusberg SB. **Obstet Gynecol** 1967 Aug;30(2):287–93
Thyroid function in gestational trophoblastic tumors. Vergadoro F, et al. **Tumori** 1986 Apr 30;72(2):205–9
[Ovarian follicular system in benign tumors of the uterus and adnexa uteri] Adamian LV, et al. **Akush Ginekol (Mosk)** 1986 Feb;(2):8–10 (Eng. Abstr.) (Rus)
[Characteristics of the microcirculatory bed of a woman's ovaries in various diseases of the genitalia] Bagdasarian AA. **Akush Ginekol (Mosk)** 1985 Nov;(11):50–3 (Eng. Abstr.) (Rus)
[Internal uterine endometriosis and characteristics of the climacteric in women] Shinkareva LF, et al. **Akush Ginekol (Mosk)** 1985 Aug;(9):18–20 (Eng. Abstr.) (Rus)
[Management of labor in patients with uterine myoma] Sidorova IS, et al. **Akush Ginekol (Mosk)** 1986 Feb; (2):69–72 (Rus)
[Small intestine function in patients with internal uterine endometriosis] Shinkareva LF, et al. **Vrach Delo** 1985 Jul; (7):18–22 (Eng. Abstr.) (Rus)

PREVENTION & CONTROL

Screening for endometrial cancer [letter] Husain OA. **Acta Cytol (Baltimore)** 1986 May–Jun;30(3):319
Current concepts in the control of carcinoma of the endometrium. Gusberg SB. CA 1986 Jul–Aug;36(4):245–53
Nuclear morphometry in the determination of the prognosis of marked atypical endometrial hyperplasia. Ausems EW, et al. **Int J Gynecol Pathol** 1985;4(3):180–5
Early detection of uterine cancer. Cavanagh D, et al. **J Fla Med Assoc** 1985 Jan;72(1):36–40
Prevention of endometrial cancer with progestogens. Gambrell RD Jr. **Maturitas** 1986 Jul;8(2):159–68
Cigarette smoking and endometrial cancer [letter] **N Engl J Med** 1986 Sep 4;315(10):645–7
Effects of prophylactic chemotherapy for persistent trophoblastic disease in patients with complete hydatidiform mole. Kim DS, et al. **Obstet Gynecol** 1986 May;67(5):690–4
[Basic concept in screening for endometrial carcinoma] Kuramoto H, et al. **Gan To Kagaku Ryoho** 1985 Dec; 12(12):2251–7 (Eng. Abstr.) (Jpn)
[Mass screening for uterine cancer] Tenjin Y. **Gan To Kagaku Ryoho** 1985 Dec;12(12):2245–50 (Eng. Abstr.) (Jpn)

PSYCHOLOGY

Psychosocial aspects of gestational trophoblastic disease in Chinese residents of Hong Kong. Ngan HY, et al. **J Reprod Med** 1986 Mar;31(3):173–8
[Clinical aspects of psychosomatic disorders: psychosomatic approach to obstetrics and gynecology] Kikukawa H. **Hokkaido Igaku Zasshi** 1985 Jul;60(4):472–4 (Jpn)

RADIOGRAPHY

Preoperative evaluation of endometrial carcinoma by selective hysterography: a preliminary report. Kishi Y, et al. **Eur J Gynaecol Oncol** 1986;7(2):69–76
Cystic pedunculated leiomyomas of the uterus with unusual CT manifestations. Togashi K, et al. **J Comput Assist Tomogr** 1986 Jul–Aug;10(4):642–4
[Pelvic arteriography in the diagnosis of uterine malignant trophoblastic disease] Wen ZQ. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Jan;21(1):25–7, 60 (Eng. Abstr.) (Chi)
[Partial Budd-Chiari syndrome with Zahn infarct of the liver in venous transmitted tumor thrombosis of a uterine cancer] Reichelt HG. **Rontgenblatter** 1985 Nov;38(11):345–7 (Eng. Abstr.) (Ger)
[Hysterographic findings in patients with cancer of the uterus and their prognostic significance] Kozakiewicz B, et al. **Ginekol Pol** 1985 Apr;56(4):235–41 (Eng. Abstr.) (Pol)
[Computerized tomography and selected problems of visualization of the genitals] Mlosek K, et al. **Pol Przegl Radiol (Warszawa)** 1985 Jul–Aug;49(4):282–8 (Pol)
[Use of computerized tomography in gynecology] Agaeva KS. **Akush Ginekol (Mosk)** 1986 Feb;(2):6–7 (29 ref.) (Rus)
[Roentgenotelevision method of examining patients with

uterine myoma during outpatient care] Landekhovskiĭ IuD. **Akush Ginekol (Mosk)** 1986 May;(5):55–8 (Eng. Abstr.) **(Rus)**

RADIOTHERAPY

Sexual healing after pelvic irradiation. Jenkins BY. **Am J Nurs** 1986 Aug;86(8):920–2

Comparison of Heyman packing and Cathetron afterloading methods in the treatment of endometrial cancer. Riippa P, et al. **Br J Radiol** 1985 May;58(689):437–41

Prognostic significance of interval from preoperative irradiation to hysterectomy for endometrial carcinoma. Komaki R, et al. **Cancer** 1986 Aug 15;58(4):873–9

Early uterine body carcinoma: has post-operative vaginal irradiation any value? Bond WH. **Clin Radiol** 1985 Nov; 36(6):619–23

Results of intracavitary radium treatment for adenocarcinoma of the body of the uterus. Jones DA, et al. **Clin Radiol** 1986 Mar;37(2):169–71

The treatment of carcinoma of the cervix and poor-risk endometrial carcinoma using the Cathetron at the Middlesex Hospital: experience since 1979. Yeoh EK, et al. **Clin Radiol** 1986 Mar;37(2):165–8

Uterine perforation at the time of brachytherapy for the carcinoma of the uterine cervix. Matsuyama T, et al. **Gynecol Oncol** 1986 Feb;23(2):205–11

Adenocarcinoma corpus et colli: analysis of diagnostic variables. Calkins AR, et al. **Int J Radiat Oncol Biol Phys** 1986 Jun;12(6):911–6

A new after-loading intrauterine packing device: ten years experience. Sklaroff DM, et al. **Int J Radiat Oncol Biol Phys** 1985 Dec;11(12):2159–62

Radiation associated hyperthyroidism in patients with gynecological malignancies. Katayama S, et al. **J Med** 1985; 16(5–6):587–96

Has the incidence of radiation-induced bowel damage following treatment of uterine carcinoma changed in the last 20 years? Allen-Mersh TG, et al. **J R Soc Med** 1986 Jul;79(7):387–90

Prevention of vaginal recurrence of stage I endometrial adenocarcinoma with postoperative vaginal radiation. Marchetti DL, et al. **Obstet Gynecol** 1986 Mar; 67(3):399–402

[Urologic complications following radiotherapy of cancers of the corpus uteri] Staehler G, et al. **Geburtshilfe Frauenheilkd** 1985 Sep;45(9):630–3 (Eng. Abstr.) **(Ger)**

[Control of the location of the afterloading applicator using computed tomography and effect on dose distribution in contact therapy of uterine cancer] Ehrhardt M, et al. **Radiobiol Radiother (Berl)** 1986;27(1):53–8 (Eng. Abstr.) **(Ger)**

[Side effects of postoperative irradiation of uterine cancer with high dose rate iridium and low dose rate radium] Kucera H, et al. **Strahlenther Onkol** 1986 Feb;162(2):111–4 (Eng. Abstr.) **(Ger)**

[Dose calculations for local irradiation of endometrial carcinoma] Martin M, et al. **Strahlenther Onkol** 1986 May; 162(5):308–15 (Eng. Abstr.) **(Ger)**

[Radiotherapy of uterine cancer. A retrospective study] Banaschak A, et al. **Zentralbl Gynakol** 1985;107(17):1057–64 (Eng. Abstr.) **(Ger)**

[Follow-up of patients with tumors of the uterus treated with cobalt therapy and controlled for over 20 years] Ottolenghi G, et al. **Minerva Ginecol** 1986 Jul–Aug;38(7–8):593–604 (Eng. Abstr.) **(Ita)**

[The CADO-E I type endometrial applicator for RALS therapy] Inoue T, et al. **Gan No Rinsho** 1986 Apr; 32(4):365–70 (Eng. Abstr.) **(Jpn)**

[Flow cytometric analysis of changes in lymphocyte subsets in the blood of cancer patients during radiation therapy. 8. Special reference to OKT10+-lymphocytes] Ogawa Y, et al. **Nippon Gan Chiryo Gakkai Shi** 1985 Apr 20; 20(3):542–9 (Eng. Abstr.) **(Jpn)**

[Studies on the significance of PLD repair for radioresistance in human uterine adenocarcinoma cells] Mitsunaga S. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Sep; 37(9):1859–65 (Eng. Abstr.) **(Jpn)**

[Dynamics of the changes in cytosol aminopeptidase, aminopeptidase I (microsomal) and gamma-glutamyltransferase activities during brachytherapy of cancer of the uterine cervix and corpus] Wieczorek E, et al. **Ginekol Pol** 1985 Oct;56(10):597–601 (Eng. Abstr.) **(Pol)**

[Results of combined gamma-proton irradiation of patients with cervical cancer] Kiseleva VN, et al. **Akush Ginekol (Mosk)** 1986 Feb;(2):37–9 **(Rus)**

[Current state and approaches to increasing the effectiveness of combined radiotherapy of uterine cancer] Kholin VV, et al. **Med Radiol (Mosk)** 1986 Jul;31(7):62–9 (94 ref.) **(Rus)**

[Immediate and near-term results of radiotherapy of uterine cancer using highly active 252Cf sources] Krauz VS, et al. **Med Radiol (Mosk)** 1986 Jan;31(1):44–8 (Eng. Abstr.) **(Rus)**

[The use of the "Selectron" apparatus in the radiotherapy of patients with uterine cancer] Mar'ina LA, et al. **Med Radiol (Mosk)** 1986 Jul;31(7):23–7 (Eng. Abstr.) **(Rus)**

[Treatment of uterine cancer using braking radiation (25 MeV)] Titova VA, et al. **Med Radiol (Mosk)** 1986 Jul; 31(7):27–32 (Eng. Abstr.) **(Rus)**

[Optimization of intracavity irradiation in the treatment of cancer of the corpus uteri using high-activity sources] Tsybulina LI, et al. **Med Radiol (Mosk)** 1985 Sep;30(9):24–7 (Eng. Abstr.) **(Rus)**

SECONDARY

Metastatic breast carcinoma arising in the endometrium. Case report. Giltrap S, et al. **Br J Obstet Gynaecol** 1986 May; 93(5):516–8

Breast carcinoma metastasizing to the uterus. Di Bonito L, et al. **Eur J Gynaecol Oncol** 1985;6(3):211–7

[Uterine metastases of extragenital carcinomas] di Bonito L, et al. **Rev Fr Gynecol Obstet** 1985 Jan;80(1):21–4 (Eng. Abstr.) **(Fre)**

[Metastases to the uterus from extragenital cancers] Bar-David J, et al. **Harefuah** 1986 Mar 16;110(6):307–8 **(Heb)**

[Endometrial metastasis of extragenital neoplasms] Merlo D, et al. **Ann Ostet Ginecol Med Perinat** 1985 Mar–Apr; 106(2):80–6 (Eng. Abstr.) **(Ita)**

[Carcinoid tumor of the appendix with a metastatic focus in the parametrium] Czekaj AM, et al. **Ginekol Pol** 1985 Feb;56(2):82–5 (Eng. Abstr.) **(Pol)**

SECRETION

[Polyfunctional endometrial adenocarcinoma producing melatonin, noradrenaline and chorionic gonadotropin] Rodkina RA, et al. **Arkh Patol** 1985;47(5):69–71 (Eng. Abstr.) **(Rus)**

SURGERY

Myomectomy. Boyd ME. **Can J Surg** 1986 May;29(3):161–3 (26 ref.)

Endometriosis. Boyd ME. **Can J Surg** 1985 Nov;28(6):471–3 (23 ref.)

Intestinal obstruction following previous myomectomy and the use of beta-sympathomimetics in pregnancy. Rachagan SP, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Jun; 22(1–2):99–101

Abdominal myomectomy for otherwise unexplained infertility. Rosenfeld DL. **Fertil Steril** 1986 Aug; 46(2):328–30

Acute peripheral arterial occlusion associated with surgery for gynecologic cancer. Townsend PA, et al. **Gynecol Oncol** 1986 Sep;25(1):108–14

Sarcomas of the vagina and uterus: the Intergroup Rhabdomyosarcoma Study. Hays DM, et al. **J Pediatr Surg** 1985 Dec;20(6):718–24

Sonographically guided extraction of a submucous myoma. Darney PD. **Obstet Gynecol** 1985 Nov;66(5):731–2

Wertheim's operation--a personal series of 55 cases. Cheng MC. **Singapore Med J** 1985 Oct;26(6):443–7

Anticoagulants and the formation of lymphocysts after pelvic lymphadenectomy in gynecologic and oncologic operations. Kragt H, et al. **Surg Gynecol Obstet** 1986 Apr; 162(4):361–4

[A series of 440 vaginal hysterectomies performed for non-prolapsed uterus] Zhang YX. **Chung Hua Fu Chan Ko Tsa Chih** 1985 Sep;20(5):294–7, 319 (Eng. Abstr.) **(Chi)**

[Surgery of myomas during pregnancy and labor] Andrýs J, et al. **Cesk Gynekol** 1986 Jun;51(5):352–4 **(Cze)**

[Complications and results of Wertheim's operation performed for the treatment of uterine cancer] Lansac J, et al. **J Chir (Paris)** 1985 Dec;122(12):681–7 (Eng. Abstr.) **(Fre)**

[Role of surgery in the strategy of primary local and regional treatment of stage I and II cancer of the endometrium] Piana L, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986; 15(3):347–54 (Eng. Abstr.) **(Fre)**

[Value of surgical hysteroscopy in the treatment of myomas and intracavitary fibrous polyps. Evaluation of 26 operations] Weyl B, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1985;14(8):1045–8 (Eng. Abstr.) **(Fre)**

[Cancer of the endometrium: analysis of the comparative results and causes of failure in radiosurgical treatment and physical agents alone. 215 cases treated between 1968 and 1978] Pourquier H, et al. **Rev Fr Gynecol Obstet** 1985 Jan; 80(1):15–20 (Eng. Abstr.) **(Fre)**

[Late pulmonary metastases of uterine choriocarcinoma: apropos of a case occurring 19 years after hysterectomy for choriocarcinoma. Review of the literature] Abouz D, et al. **Rev Pneumol Clin** 1986;42(2):104–9 (Eng. Abstr.) **(Fre)**

[Primary surgical therapy of uterine cancer] Sevin BU. **Gynakologe** 1986 Jun;19(2):88–93 **(Ger)**

[Genital sarcoma of the female with special reference to sarcomas of the uterus] Goebe L. **Zentralbl Gynakol** 1985; 107(23):1460–6 (Eng. Abstr.) **(Ger)**

[Penetration of cefoperazone into the exudate of the retroperitoneal space after (semi-)radical hysterectomy] Nozawa S, et al. **Jpn J Antibiot** 1986 Mar;39(3):686–92 (Eng. Abstr.) **(Jpn)**

[An essay on elective hysterectomy and the treatment of uterine myoma] Shinagawa S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Jul; 38(7):1139–43 **(Jpn)**

[Operation of functional maintenance in myoma uteri] Takahashi K. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Jun;38(6):971–5 **(Jpn)**

[Invasive and preinvasive cancer and cervix dysplasias in the surgical material of the Department of Obstetrics and Gynecology of the Satellite District Hospital in Toruń 1974–1983] Chojnacki A, et al. **Ginekol Pol** 1986 Jan; 57(1):35–8 (Eng. Abstr.) **(Pol)**

[Changes in several indices of the hemostatic system in patients with genital cancer during the postoperative period] Karabanov GN, et al. **Akush Ginekol (Mosk)** 1985 Nov;(11):58–9 **(Rus)**

[Prevention of complications after surgery for uterine cancer] Zagrebin AS. **Akush Ginekol (Mosk)** 1985 Jun;(6):76–8 (Eng. Abstr.) **(Rus)**

[Radionuclide study of kidney function in onco-gynecologic patients in the early postoperative period] Musina RKh. **Med Radiol (Mosk)** 1986 Feb;31(2):73–5 **(Rus)**

[Mini-doses of heparin in the prevention of microcirculatory disorders in patients operated on for uterine and ovarian cancer] Nadiradze ISh. **Vestn Akad Med Nauk SSSR** 1985; (7):58–61 (Eng. Abstr.) **(Rus)**

[Determination of the volume of surgical intervention in cancer of the corpus uteri] Smakhtina OL, et al. **Vopr Onkol** 1986;32(3):86–8 (Eng. Abstr.) **(Rus)**

THERAPY

Patterns of recurrence in malignant mixed müllerian tumor of the uterus. Spanos WJ Jr, et al. **Cancer** 1986 Jan 1; 57(1):155–9

Malignant trophoblastic neoplasias. Clinical experiences. Onnis A, et al. **Eur J Gynaecol Oncol** 1986;7(1):34–6

Endometrial carcinoma stage I--comparison of two different treatment regimes--evaluation of risk factors and its influence on prognosis; suggested step by step treatment protocol. Baram A, et al. **Gynecol Oncol** 1985 Nov; 22(3):294–301

Uterine sarcomas: prognostic factors and treatment modalities--study on 209 patients. George M, et al. **Gynecol Oncol** 1986 May;24(1):58–67

Adjuvant therapy in mixed mullerian tumors of the uterus. Kohorn EI, et al. **Gynecol Oncol** 1986 Feb;23(2):212–21

Management of high-grade stage I adenocarcinoma of the endometrium: hysterectomy following low dose external beam pelvic irradiation. Shimm DS, et al. **Gynecol Oncol** 1986 Feb;23(2):183–91

New treatment procedure for stage I endometrial adenocarcinoma. Wolff JP, et al. **Gynecol Oncol** 1986 Jan; 23(1):51–8

Carcinoma of the endometrium. Changing patterns and philosophy of treatment. Reddy S. **Indiana Med** 1986 Jan; 79(1):13–7

Failure patterns in gynecologic cancer. Brady LW, et al. **Int J Radiat Oncol Biol Phys** 1986 Apr;12(4):549–57

Stage II carcinoma of the endometrium: results of therapy and prognostic factors. Grigsby PW, et al. **Int J Radiat Oncol Biol Phys** 1985 Nov;11(11):1915–23

Treatment of stage I adenocarcinoma of the endometrium by hysterectomy and adjuvant irradiation: a retrospective analysis of 304 patients. Stokes S, et al. **Int J Radiat Oncol Biol Phys** 1986 Mar;12(3):339–44

Hysterectomy and adjuvant irradiation for pathologic stage III adenocarcinoma of the endometrium. Stokes S, et al. **Int J Radiat Oncol Biol Phys** 1986 Mar;12(3):335–8

Fertility after conservative treatment of endometriosis. Kable WT 3d, et al. **J Reprod Med** 1985 Nov;30(11):857–63

[Chemosensitive metastatic cancer cured by surgery of the residual lesions] Droz JP, et al. **Chirurgie** 1985;111(7):523–7 (Eng. Abstr.) **(Fre)**

[Severe arterial complications of radiosurgical treatment of uterine cancer. Apropos of 7 cases] Dauplat J, et al. **J Chir (Paris)** 1985 May;122(5):347–53 (Eng. Abstr.) **(Fre)**

[Therapeutic vascular embolization in life-threatening gynecologic hemorrhages] Banaschak A, et al. **Zentralbl Gynakol** 1985;107(17):1050–6 (Eng. Abstr.) **(Ger)**

[Our experience on the use of postoperative radiotherapy in adenocarcinoma of the endometrium] Boidi Trotti A, et al. **Minerva Ginecol** 1986 Apr;38(4):299–302 (Eng. Abstr.) **(Ita)**

[The effect of immunochemotherapy with PSK in malignant tumors of the female reproductive organs] Fujiwara S, et al. **Gan No Rinsho** 1986 Jan;32(1):65–70 (Eng. Abstr.) **(Jpn)**

[Multidisciplinary treatment of choriocarcinoma] Tomoda Y, et al. **Gan No Rinsho** 1985 Jul;31(9 Suppl):1160–4 (Eng. Abstr.) **(Jpn)**

[Therapy of cancer of the corpus uteri] Yamauchi K. **Rinsho Houhasen** 1985 Nov;30(12):1495–6 **(Jpn)**

[Treatment of patients with uterine sarcoma] Bokhman IaV, et al. **Akush Ginekol (Mosk)** 1986 Feb;(2):41–5 **(Rus)**

[Principles of organization of dispensary observation of uterine myoma patients] Landekhovskiĭ IuD. **Akush Ginekol (Mosk)** 1985 Nov;(11):25–30 **(Rus)**

ULTRASTRUCTURE

Cytochemistry of cell surface sialoglycoconjugates in endometrial adenocarcinoma. Effects of medroxyprogesterone therapy. Barni S, et al. **Appl Pathol** 1984;2(3):135–45

Cilia and ciliogenesis in endometrial adenocarcinomas. An ultrastructural analysis. Gould PR, et al. **Arch Pathol Lab Med** 1986 Apr;110(4):326–30

Adenomatoid tumor of the uterus. Ultrastructural, histochemical, and immunohistochemical analysis. Suzuki T, et al. **Arch Pathol Lab Med** 1985 Nov;109(11):1049–51

Uterine sarcomas: a clinicopathologic study [letter] Hemdal I, et al. **Gynecol Oncol** 1985 Nov;22(3):379

The difference in sex hormone dependence for gap junction formation in the muscles of uterine leiomyoma and normal myometrium. Saito Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Apr; 38(4):595–601

Ultrastructure of molar trophoblast. Observations on hydatidiform mole and chorioadenoma destruens. Okudaira Y, et al. **Obstet Gynecol** 1967 Aug;30(2):172–87

Clear cell leiomyoma (leiomyoblastoma) of the uterus: ultrastructural observations. Mazur MT, et al. **Ultrastruct Pathol** 1986;10(3):249–55

Stromomyoma of the uterus. Roth LM, et al. **Ultrastruct Pathol** 1985;9(1–2):137–43

[Characteristics of estradiol reception in myoma nodes of different morphological structure] Arutiunian NA, et al. **Akush Ginekol (Mosk)** 1986 Feb;(2):17–9 (Eng. Abstr.) (Rus)

[Ultrastructural study of uterine leiomyoma] Brekhman GI, et al. **Akush Ginekol (Mosk)** 1986 Feb;(2):22–4 (Eng. Abstr.) (Rus)

URINE

Comparison of carbohydrate structure between human chorionic gonadotropin present in urine of patients with trophoblastic diseases and healthy individuals. Mizuochi T, et al. **Jpn J Cancer Res** 1985 Aug;76(8):752–9

VETERINARY

Endometrial carcinoma in a young dog. Payne-Johnson CE, et al. **J Comp Pathol** 1986 Jul;96(4):463–7

Hereditary multifocal renal cystadenocarcinomas and nodular dermatofibrosis in the German shepherd dog: macroscopic and histopathologic changes. Lium B, et al. **Vet Pathol** 1985 Sep;22(5):447–55

UTERINE PERFORATION see under **UTERINE RUPTURE**

UTERINE PROLAPSE

DIAGNOSIS

Psychogenic pelvic pain or occult prolapse syndrome? Hastwell GB. **Med J Aust** 1986 Apr 14;144(8):405–7

ETIOLOGY

[A case of prolapse of the vaginal vault after colpohysterectomy] Bisbiglio L, et al. **Minerva Ginecol** 1985 Oct;37(10):617–9 (Eng. Abstr.) (Ita)

[Our observations of uterine inversion in labor] Lotocki W, et al. **Ginekol Pol** 1985 Oct;56(10):639–42 (Eng. Abstr.) (Pol)

METABOLISM

[Tissue hormonal concentration: estrogen uptake by the myometrium] Parra Carracosa JL, et al. **Ginecol Obstet Mex** 1985 Jun;53:153–5 (Eng. Abstr.) (Spa)

PATHOLOGY

Histological changes in the vaginal connective tissue of patients with and without uterine prolapse. Mäkinen J, et al. **Arch Gynecol** 1986;239(1):17–20

PREVENTION & CONTROL

[Experience of the Obstetrics and Gynecology Department of the 1st Workers Hospital in Sofia in preventing vaginal prolapse in vaginal hysterectomy] Bobchev T. **Akush Ginekol (Sofiia)** 1986;25(3):58–61 (Eng. Abstr.) (Bul)

SURGERY

Partial colpocleisis. Langmade CF, et al. **Am J Obstet Gynecol** 1986 Jun;154(6):1200–5

Prophylactic posterior culdoplasty [letter] Piura B. **Am J Obstet Gynecol** 1986 Sep;155(3):685–6

Abdominal repair of vaginal prolapse and the postoperative outcome as judged by a scoring system and X-ray colpography. Nagata I, et al. **Arch Gynecol** 1985; 237(1):11–7

Mullerian agenesis with vaginal prolapse. Case report. Ramaswamy S, et al. **Br J Obstet Gynaecol** 1986 Jun; 93(6):640–1

Modified Williams–Richardson operation for uterine prolapse. Nassar GF. **Obstet Gynecol** 1967 Aug;30(2):233–7

Surgery for pelvic prolapse. Leach GE, et al. **Semin Urol** 1986 Feb;4(1):43–50

[Clinical and roentgenographic evaluation of the Cooper ligament suspension operation in treating vaginal vault prolapse (analysis of 24 cases)] Shao WQ. **Chung Hua Fu Chan Ko Tsa Chih** 1985 Nov;20(6):349–53, 383–4 (Eng. Abstr.) (Chi)

[Genital prolapse. Apropos of a series of 220 cases] Blanc B, et al. **Rev Fr Gynecol Obstet** 1985 Oct;80(10):713–21 (Eng. Abstr.) (Fre)

[Urodynamic analysis of postoperative urinary incontinence in women. Apropos of 40 cases of incontinence recurring after treatment for incontinence or secondary to treatment for prolapse] Dauplat J, et al. **Rev Fr Gynecol Obstet** 1985 Jun;80(6 Pt 2):459–65 (Eng. Abstr.) (Fre)

[Hysterocolpectomy. The method of choice in genital prolapse in geriatric patients] Hohlweg-Majert P, et al. **Fortschr Med** 1986 Jan 16;104(3):27–8 (Eng. Abstr.) (Ger)

[Anterior levatorplasty in prolapse and incontinence: a clinical and urodynamic study] Kölbl H, et al. **Geburtshilfe Frauenheilkd** 1986 May;46(5):326–8 (Eng. Abstr.) (Ger)

[Morphologic changes in anterior levatorplasty] Riss P, et al. **Geburtshilfe Frauenheilkd** 1986 May;46(5):323–5 (Eng. Abstr.) (Ger)

[Colpopexy by fashioning prosthetic ligaments in the treatment of prolapse of the vaginal dome after total hysterectomy] Bonini CA, et al. **Minerva Ginecol** 1986 Mar; 38(3):155–61 (Eng. Abstr.) (Ita)

[Surgical problems in the therapy of urinary incontinence associated with a utero-vaginal prolapse] Gualerzi C, et al. **Minerva Ginecol** 1986 Apr;38(4):307–10 (Eng. Abstr.) (Ita)

[Sacrospinous ligament fixation of vaginal apex for repair operation of uterine prolapse—operative procedure and postoperative outcome evaluated with score system and X-ray subtraction colpography] Nagata I, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Jan;38(1):29–38 (Eng. Abstr.) (Jpn)

[Remote results of surgical treatment of uterine and vaginal prolapse] Skorut S, et al. **Ginekol Pol** 1985 May-Jun; 56(5–6):316–20 (Eng. Abstr.) (Pol)

[Personal method of the surgical treatment of uterine and vaginal wall prolapse] Krasnopol'skiĭ VI. **Akush Ginekol (Mosk)** 1985 Jul;(7):58–60 (Rus)

[Hysterocolpectomy in prolapse of the uterus in the elderly woman] Lozano Elizondo A, et al. **Ginecol Obstet Mex** 1985 Jun;53:171–3 (Eng. Abstr.) (Spa)

THERAPY

The neglected ring pessary. Rachagan SP, et al. **Asia Oceania J Obstet Gynaecol** 1986 Mar;12(1):75–7

Genital prolapse in the neonate. A case report. Ellis JB, et al. **S Afr Med J** 1986 Jun 21;69(13):836

[Technic and use of a silastic vaginal mold: urodynamic evaluation] Dauplat J, et al. **Rev Fr Gynecol Obstet** 1985 Aug–Sep;80(8–9):659–62 (Eng. Abstr.) (Fre)

VETERINARY

Prolapse of the uterus in the cow. Plenderleith B. **In Pract** 1986 Jan;8(1):14–5

Surgical correction of genital prolapse in three rhesus monkeys. Adams RJ, et al. **Lab Anim Sci** 1985 Aug; 35(4):405–8

Uterine prolapse in the cow [letter] **Vet Rec** 1986 Mar 15; 118(11):310

Uterine prolapse in the cow [letter] Johnston RW. **Vet Rec** 1986 Mar 1;118(9):252

Uterine prolapse in the cow [letter] Lyons AR. **Vet Rec** 1986 Apr 26;118(17):492

UTERINE RUPTURE

[Complete uterine rupture in the 1st trimester of pregnancy] Mrkáček I, et al. **Cesk Gynekol** 1985 Dec;50(10):742–5 (Cze)

[Air embolism in a labor with uterine rupture] Kuljić B, et al. **Jugosl Ginekol Perinatol** 1985 Jan–Apr;25(1–2):43–5 (Eng. Abstr.) (Ser)

CHEMICALLY INDUCED

Uterine rupture with the use of vaginal prostaglandin E2 [letter] Elder MG. **Am J Obstet Gynecol** 1985 Oct 1; 153(3):342

Uterine rupture following intramuscular injection of Carboprost in midtrimester pregnancy termination [letter] Tripathy SN. **J Indian Med Assoc** 1985 Sep;83(9):328

COMPLICATIONS

[Spontaneous hemoperitoneum at term] Monrigal C, et al. **Cah Anesthesiol** 1985 Aug–Sep;33(5):435–6 (Fre)

DIAGNOSIS

Spontaneously perforated pyometra. A differential diagnosis in acute abdomen. Hansen PT, et al. **Ann Chir Gynaecol** 1985;74(6):294–5

Copper-7 perforation of the uterus and urinary bladder with calculus formation—sonographic demonstration. McNamara M, et al. **Br J Radiol** 1985 Jun;58(690):558–9

Real-time ultrasound diagnosis of bleeding uterine perforation during therapeutic abortion. Shalev E, et al. **JCU** 1986 Jan;14(1):66–7

Uterine perforation and embedding by intrauterine device: evaluation by US and hysterography. Rosenblatt R, et al. **Radiology** 1985 Dec;157(3):765–70

[Uterine ruptures—diagnostic problems following previous cesarean sections] Göbel G, et al. **Zentralbl Gynakol** 1986; 108(7):446–52 (Eng. Abstr.) (Ger)

ETIOLOGY

The 'lost' or 'unknown' IUD. Siedlecky S, et al. **Aust Fam Physician** 1986 May;15(5):636–42

Uterine perforation at the time of brachytherapy for the carcinoma of the uterine cervix. Matsuyama T, et al. **Gynecol Oncol** 1986 Feb;23(2):205–11

Is lactation a risk factor of IUD- and sterilization-related uterine perforation? A hypothesis. Chi IC, et al. **Int J Gynaecol Obstet** 1984 Aug;22(4):315–7

Perforation of uterus by copper T. Kaur I, et al. **J Indian Med Assoc** 1985 Sep;83(9):315–6

Spontaneous rupture of pyometra due to leiomyomata. A case report. Jones VA, et al. **J Reprod Med** 1986 Jul; 31(7):637–8

Asymptomatic perforation of the small intestine by a copper-7 intrauterine device. Rochelson BL, et al. **NY State J Med** 1985 Aug;85(8):515–6

Choice of incision in caesarean section for transverse lie [letter] Barendregt WB. **S Afr Med J** 1986 Feb 15; 69(4):219–20

[Risks of the IUD] Kremer J. **Ned Tijdschr Geneeskd** 1985 Jul 27;129(30):1410–2 (Dut)

[Uterine rupture as a complication of oxytocin induction] Palo T, et al. **Duodecim** 1986;102(1):49–51 (Fin)

[Scarred uterus: management] Mellier G, et al. **Rev Fr Gynecol Obstet** 1986 Apr;81(4):223–8 (Eng. Abstr.) (Fre)

[Uterine rupture following tubal implantation] Scharp H. **Zentralbl Gynakol** 1985;107(18):1139–40 (Eng. Abstr.) (Ger)

[Rupture of the pregnant uterus. Clinical considerations of 4 cases] Serrentino R, et al. **Minerva Ginecol** 1986 Jul–Aug; 38(7–8):563–6 (Eng. Abstr.) (Ita)

MORTALITY

Factors influencing maternal survival in ruptured uterus. Megafu U. **Int J Gynaecol Obstet** 1985 Dec;23(6):475–80

OCCURRENCE

Rupture of the gravid uterus [letter] Calvo Perez A. **Trop Doct** 1985 Oct;15(4):172

PATHOLOGY

[Uterine rupture. Reflections apropos of a spontaneous case in mid-pregnancy] Gautier C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(2):201–9 (Eng. Abstr.) (Fre)

PHYSIOPATHOLOGY

Intrapartum fetal monitoring and uterine rupture [letter] Pollack DN, et al. **Am J Obstet Gynecol** 1985 Oct 1; 153(3):342–3

PREVENTION & CONTROL

[Management of pregnancy and labor in women with a uterine cicatrix] Kulavskiĭ VA, et al. **Akush Ginekol (Mosk)** 1986 Jan;(1):74–7 (Rus)

SURGERY

Rupture uterus in primigravida. Kaur K, et al. **J Indian Med Assoc** 1985 Oct;83(10):355–6

[Anesthesia for emergency cesarean section after uterine rupture associated with recent fracture of the cervical spine] Neff R, et al. **Ann Fr Anesth Reanim** 1985;4(5):421–3 (Eng. Abstr.) (Fre)

[Clinical aspects of perinatal hysterectomy] Słomko Z, et al. **Ginekol Pol** 1985 Mar;56(3):153–8 (Eng. Abstr.) (Pol)

VETERINARY

Surgical repair of a ruptured uterus in five mares. Fischer AT, et al. **Equine Vet J** 1986 Mar;18(2):153–5

Uterine rupture as a postpartum complication in two mares. Brooks DE, et al. **J Am Vet Med Assoc** 1985 Dec 15; 187(12):1377–9

UTEROGLOBIN see under **GLYCOPROTEINS**

UTERUS

see related
HYSTERECTOMY
HYSTEROSALPINGOGRAPHY

Fetal tibia retained in uterine cavity for eight years after legal abortion. Ingerslev HJ, et al. **Acta Obstet Gynecol Scand** 1986;65(4):371–2

Obstructive renal failure and pleural effusion caused by the gravid uterus. Weiss Z, et al. **Acta Obstet Gynecol Scand** 1986;65(2):187–9

Extracorporeal perfusion of the human uterus. Bulletti C, et al. **Am J Obstet Gynecol** 1986 Mar;154(3):683–8

Strangulated hernia containing an infantile uterus. Kelly SB. **Br J Surg** 1986 Jul;73(7):593

Intrauterine insemination: a critical review. Allen NC, et al. **Fertil Steril** 1985 Nov;44(5):569–80 (52 ref.)

Current status of hysteroscopy in the gynecological oncology clinic. Stelmachów J. **Ginekol Pol** 1985 Sep;56(9):548–56

Intrauterine shunting for ventriculomegaly [letter] Rodeck CH. **Lancet** 1986 Jan 11;1(8472):92

[The lost IUD: don't look too far for it] Nijhuis JG, et al.

Ned Tijdschr Geneeskd 1985 Jul 27;129(30):1409–10 (Dut)

ABNORMALITIES

Hysteroscopic treatment of uterine septa. Perino A, et al. Acta Eur Fertil 1985 Sep–Oct;16(5):331–5

Advanced pregnancy in the rudimentary horn of a bicornuate uterus. Liang ST, et al. Acta Obstet Gynecol Scand 1985; 64(5):447–9

Endometriosis in association with uterine anomaly. Sanfilippo JS, et al. Am J Obstet Gynecol 1986 Jan;154(1):39–43

Uterine horn abscess complicating pregnancy. Sauer MV, et al. Am J Perinatol 1986 Jul;3(3):187–8

Uterus duplex with a unilaterally imperforate vagina—diagnosis and treatment. Report of two cases and review of the literature. Deutsch M, et al. Ann Chir Gynaecol 1985;74(5):247–9

Unicornuate uterus and reproductive performance [letter] Rogers MS, et al. Aust NZ J Obstet Gynaecol 1985 May; 25(2):144–5

Entrapment of the fetal head in a unilateral imperforate vagina in association with complete duplication of uterus and cervix. Case report. Davies WA, et al. Br J Obstet Gynaecol 1985 Sep;92(9):986–8

Incarceration of the retroverted gravid uterus at term. Case report. Evans AJ, et al. Br J Obstet Gynaecol 1986 Aug; 93(8):883–5

Resectoscopic management of müllerian fusion defects. DeCherney AH, et al. Fertil Steril 1986 May;45(5):726–8

Malposition of the ovary associated with uterine anomalies. Rock JA, et al. Fertil Steril 1986 Apr;45(4):561–3

Problems of rudimentary horn pregnancy. Grover V, et al. Gynecol Obstet Invest 1986;22(1):52–5

Indications and results of metroplasty in uterine malformations. Kessler I, et al. Int J Gynaecol Obstet 1986 Apr;24(2):137–44

Rudimentary uterine horn with adenomyosis and pelvic endometriosis in a 23-year-old girl. Tang LC, et al. J Adolesc Health Care 1986 Jul;7(4):265–7

Uterus didelphys with one-half of a septate vagina imperforate. Sinha SK, et al. J Indian Med Assoc 1986 Jan;84(1):26

Successful intrauterine pregnancy after unilateral hysterectomy in a patient with uterus didelphys. A case report. Catanzarite VA, et al. J Reprod Med 1986 Feb; 31(2):133–5

Müllerian abnormalities in fertile women and recurrent aborters. Portuondo JA, et al. J Reprod Med 1986 Jul; 31(7):616–9

Congenital uterine anomalies and associated pregnancies: findings and pitfalls of sonographic diagnosis. Pennes DR, et al. J Ultrasound Med 1985 Oct;4(10):531–8

Hydrometrocolpos, uterus didelphys, and septate vagina: an antenatal sonographic diagnosis. Russ PD, et al. J Ultrasound Med 1986 Apr;5(4):211–3

An 18-year-old woman born with cloacal exstrophy [clinical conference] Mee S, et al. J Urol 1986 Apr;135(4):762–4

Uterus didelphys with unilateral imperforate vagina and ipsilateral renal agenesis. Miyazaki Y, et al. J Urol 1986 Jan;135(1):107–9

Bicornuate and unicornuate uterus associated with unilateral renal aplasia and abnormal solitary kidneys: report of 3 cases. Sayer T, et al. J Urol 1986 Jan;135(1):110–1

The Mayer-Rokitansky syndrome: pathogenesis, classification and management. Tarry WF, et al. J Urol 1986 Sep;136(3):648–52

Spontaneous resolution of unilateral hematometra in a patient with bicornuate uterus: sonographic findings. Musante F, et al. JCU 1986 May;14(4):307–9

Infantile lymphoblastic leukemia with t(4;11) and septate uterus, double cervix, and double vagina: case report and review of the literature. Morrow RC, et al. Med Pediatr Oncol 1985;13(6):366–9

Bilateral and synchronous squamous cell carcinoma of the cervix in a patient with uterus didelphys. Fox S, et al. Obstet Gynecol 1986 Mar;67(3 Suppl):76S–79S

Hysteroscopic treatment of the septate uterus. Valle RF, et al. Obstet Gynecol 1986 Feb;67(2):253–7

Uterus didelphys associated with unilateral haematocolpos and ipsilateral renal agenesis. A case report. Chew SY, et al. Singapore Med J 1985 Aug–Sep;26(4–5):395–7

Magnetic resonance imaging of bicornuate uterus with unilateral hematometrosalpinx and ipsilateral renal agenesis. Hamlin DJ, et al. Urol Radiol 1986;8(1):52–5

[A new surgical judgement in creating a neovagina in Mayer–Rokitansky–Küster syndrome] Atanasov A, et al. Akush Ginekol (Sofiia) 1986;25(2):27–30 (Eng. Abstr.) (Bul)

[Rokitansky–Kuster–Hauser syndrome: clinic analysis of 40 cases] Chen DY, et al. Chung Hua Fu Chan Ko Tsa Chih 1985 Jul;20(4):220–2, 253–4 (Eng. Abstr.) (Chi)

[Rudimentary uterine horn complicated by pregnancy] Hu ZQ, et al. Chung Hua Fu Chan Ko Tsa Chih 1985 Nov; 20(6):333–4, 382 (Eng. Abstr.) (Chi)

[Rudimentary uterine horn (report of 4 cases)] Lin FG. Chung Hua Fu Chan Ko Tsa Chih 1985 Nov;20(6):354–5, 384 (Eng. Abstr.) (Chi)

[Morphogenesis of vaginal aplasia. Therapeutic deductions] Minh HN, et al. Rev Fr Gynecol Obstet 1985 Aug–Sep; 80(8–9):629–34 (Eng. Abstr.) (Fre)

[Premature detachment of an at the uterine septum implanted placenta. Case report] Klaiber H, et al. Geburtshilfe Frauenheilkd 1985 Dec;45(12):913–4 (Eng. Abstr.) (Ger)

[Pregnancy in a rudimentary uterine horn. Case report] Lahousen M, et al. Geburtshilfe Frauenheilkd 1986 Apr; 46(4):255–6 (Eng. Abstr.) (Ger)

[Stapes anomaly, Gorlin–Goltz and hand–foot–uterus syndrome as partial aspects of a generalized ectodermal–mesodermal abnormality syndrome with variable expression] Knöbber D, et al. Laryngol Rhinol Otol (Stuttg) 1986 Jun;65(6):305–8 (Eng. Abstr.) (Ger)

[Uterus duplication abnormalities with unilateral kidney agenesis, a report on 5 cases] Hanimann B, et al. Z Kinderchir 1985 Oct;40(5):299–302 (Eng. Abstr.) (Ger)

[Ectopic pregnancy in uterus bicornis with rudimentary accessory horn on the side of the rudiment] Berg R, et al. Zentralbl Gynakol 1985;107(19):1190–2 (Eng. Abstr.) (Ger)

[Clinical and diagnostic aspects in Rokitansky–Küster–Hauser syndrome] Fulceri A, et al. Ann Ostet Ginecol Med Perinat 1985 Mar–Apr;106(2):100–4 (Eng. Abstr.) (Ita)

[A case of term pregnancy in a rudimentary uterine horn] Ardizzoja M, et al. Minerva Ginecol 1985 Dec;37(12):735–8 (Eng. Abstr.) (Ita)

[Echotomographic diagnosis in a case of a rare genital malformation: uterus communicating with a double vagina one of which was stretic] Di Meglio A, et al. Minerva Ginecol 1986 Jun;38(6):469–72 (Eng. Abstr.) (Ita)

[Characteristics of the endometrial estrogen-receptor system in women with habitual abortion and uterine hypoplasia] Fanchenko ND, et al. Akush Ginekol (Mosk) 1985 Oct; (10):56–7 (Rus)

ANALYSIS

Efficacy of extraction and incubation of ER and PgR with different solvent systems from rabbit uterus. Chen YM, et al. Anticancer Res 1986 Jul–Aug;6(4):589–94

Isolation of a keto sugar specific agglutinin from rat uterus. Chowdhury M. Biochem Biophys Res Commun 1986 Apr 14;136(1):116–21

Identification of immunoassayable estrogen receptor lacking hormone binding ability in tamoxifen-treated rat uterus. Nakao M, et al. Biochem Biophys Res Commun 1985 Oct 15;132(1):336–42

Two-dimensional gel electrophoresis of endometrial protein in human uterine fluids: qualitative and quantitative analysis. MacLaughlin DT, et al. Biol Reprod 1986 Apr; 34(3):579–85

Levels of neural vasoactive intestinal polypeptide in rat uterus are markedly changed in association with pregnancy as shown by immunocytochemistry and radioimmunoassay. Stjernquist M, et al. Biol Reprod 1985 Aug;33(1):157–63

Comparison of immunocytochemical estrogen receptor assay, estrogen receptor enzyme immunoassay, and radioligand-labeled estrogen receptor assay in human breast cancer and uterine tissue. Heubner A, et al. Cancer Res 1986 Aug;46(8 Suppl):4291s–4295s

Non-fertility in cows: treatment with PGF and investigation of uterine biopsies. Zaayer D, et al. Cytobios 1986; 45(180):55–70

Penetration of ciprofloxacin into female pelvic tissues. Segev S, et al. Eur J Clin Microbiol 1986 Apr;5(2):207–9

Endogenous opioid peptides in uterine fluid. Petraglia F, et al. Fertil Steril 1986 Aug;46(2):247–51

Neuropeptide Y (NPY)-like immunoreactivity in guinea pig uterus is reduced during pregnancy in parallel with noradrenergic nerves. Fried G, et al. Histochemistry 1985; 83(5):437–42

Glycoproteins in rabbit uterus during implantation. Differential localization visualized using 3H-N-acetyl-glucosamine labelling and FITC-conjugated lectins. Thie M, et al. Histochemistry 1986;84(1):73–9

Lipid composition, fluidity and lectin-reactivity of membranes from normal human uterus and benign and malignant uterine tumours. Biswas SK, et al. Indian J Biochem Biophys 1986 Feb;23(1):13–8

Preparation of a gap junction fraction from uteri of pregnant rats: the 28-kD polypeptides of uterus, liver, and heart gap junctions are homologous. Zervos AS, et al. J Cell Biol 1985 Oct;101(4):1363–70

Cholesterol in the plasma membrane of uterine epithelial cells: a freeze-fracture cytochemical study with digitonin. Murphy CR, et al. J Cell Sci 1985 Oct;78:163–72

Progesterone receptors in rat brain and uterus: dependence on the hormonal milieu. Al-Khouri H, et al. J Endocrinol 1985 Nov;107(2):159–62

Cytoplasmic progesterone receptors in uterine tissue of the snapping turtle (Chelydra serpentina). Mahmoud IY, et al. J Endocrinol 1986 Jun;109(3):385–92

Distribution of trimethoprim and sulfametopyrazine in the female reproductive tract. Preza PC, et al. J Ist Med Res 1986;14(2):101–4

An automatic multidimensional chromatography system for purification of human uterine progesterone receptor and induction of polyclonal antibodies. Heubner A, et al. J Steroid Biochem 1986 Jan;24(1):207–14

Estrogen and antiestrogen binding to rat uterine and pituitary estrogen receptor: evidence for at least two physicochemical forms of the estrogen receptor. Jasper TW, et al. J Steroid Biochem 1985 Nov;23(5A):537–45

Estrogen-induced protein in the rat uterus: association with actin. Mairesse N, et al. J Steroid Biochem 1986 Jan; 24(1):287–8

Identification of uterine nuclear type II estrogen binding sites in estrogen treated rats. Sheehan DM, et al. J Steroid Biochem 1986 Jul;25(1):37–43

Temporal effects of progesterone domination on estrogen and oxytocin receptors in hamster uterus. Takeda A, et al. J Steroid Biochem 1986 Aug;25(2):219–24

On the mechanism of opioid–oestradiol interactions. Vértes M, et al. J Steroid Biochem 1986 Jan;24(1):235–8

An indwelling catheter for the collection of cat uterine fluids. Verhage HG, et al. Lab Anim Sci 1986 Feb;36(1):71–3

Isolation and localization of neurophysin-like proteins in rat uterus. Ciarochi FF, et al. Peptides 1985 Sep–Oct; 6(5):903–11

A cytosolic binding protein for 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in the uterus and deciduoma of rata. Furuhashi N, et al. Pharmacology 1986;33(2):110–20

Neuronal localization and motor effects of gastrin-releasing peptide (GRP) in rat uterus. Stjernquist M, et al. Regul Pept 1986 Feb;13(3–4):197–205

Glycosaminoglycans of porcine uteri. Munakata H, et al. Tohoku J Exp Med 1985 Sep;147(1):73–5

[Change in contractile proteins in the uterine smooth muscle in pregnancy] Shimizu Y, et al. Nippon Heikatsukin Gakkai Zasshi 1985 Aug;21(4):319–21 (Jpn)

[Changes in the properties of the monoamine receptors in the organs of tumor carriers] Gedevanishvili MD, et al. Patol Fiziol Eksp Ter 1986 Jan–Feb;(1):68–70 (Rus)

ANATOMY & HISTOLOGY

The precision and accuracy of symphysis—fundus distance measurements during pregnancy. Bagger PV, et al. Acta Obstet Gynecol Scand 1985;64(5):371–4

Volume reduction of the uterus during and soon after hysterectomy. Ranney B, et al. Am J Obstet Gynecol 1986 Aug;155(2):354–7

Human uterine endometrium and endometriotic tissue transplanted into nude mice. Morphologic effects of various steroid hormones. Bergqvist A, et al. Am J Pathol 1985 Nov;121(2):337–41

Evaluation of fundal height measurement in antenatal care. Rogers MS, et al. Aust NZ J Obstet Gynaecol 1985 May; 25(2):87–90

Prediction of size of infants at birth by measurement of symphysis fundus height. Persson B, et al. Br J Obstet Gynaecol 1986 Mar;93(3):206–11

The lymphatic drainage of the cranial part of the sheep's uterus and its possible functional significance. Abdel Rahim SE, et al. J Anat 1985 Jun;140 (Pt 4):705–9

Teaching first trimester uterine sizing. Fox GN. J Fam Pract 1985 Nov;21(5):400–1

Antenatal screening of small-for-gestational age infants by symphysial-fundal height measurement. Linasmita V. J Med Assoc Thai 1985 Nov;68(11):587–91

Female pelvic anatomy: MR assessment of variations during the menstrual cycle and with use of oral contraceptives. McCarthy S, et al. Radiology 1986 Jul;160(1):119–23

Neonatal uterine morphology as seen on real-time US. Nussbaum AR, et al. Radiology 1986 Sep;160(3):641–3

Average fetal depth in utero: data for estimation of fetal absorbed radiation dose. Ragozzino MW, et al. Radiology 1986 Feb;158(2):513–5

[Visualization of the uterine fundus in intrauterine sonography] Hötzinger H, et al. Ultraschall Med 1985 Aug; 6(4):189–92 (Eng. Abstr.) (Ger)

[Normal sizes of internal genitals in girls before and after the menarche] Deutinger J, et al. Wien Klin Wochenschr 1986 Jul 18;98(14):465–8 (Eng. Abstr.) (Ger)

[Evolution of uterine height and abdominal circumference in normal pregnant women] da Cunha SP, et al. Rev Paul Med 1985 Sep–Oct;103(5):231–4 (Eng. Abstr.) (Por)

[Functional morphology of the lymphatic system of the rat uterus during pregnancy] Borodin IuI, et al. Arkh Anat Gistol Embriol 1986 Apr;90(4):18–23 (Eng. Abstr.) (Rus)

BLOOD SUPPLY

Changes in the uterine vasculature during the menstrual cycle. Bulletti C, et al. Acta Eur Fertil 1985 Sep–Oct; 16(5):367–71

The effect of Gestanon on the fetal and uteroplacental blood flow. Kurjak A, et al. Acta Med Iugosl 1986;40(2):121–31

Post mortem uterine arteriography and in vivo angiographic diagnosis. Arányi Z, et al. Acta Morphol Hung 1985; 33(3–4):219–25

Effects of reduced uterine blood flow on accelerations and decelerations in heart rate of fetal sheep. Bocking AD, et al. Am J Obstet Gynecol 1986 Feb;154(2):329–35

Arteriographic management of uterine arteriovenous fistula. Brown RL, et al. Am J Obstet Gynecol 1986 Sep; 155(3):491–3

Uterine artery Doppler velocimetry in pregnant women with hypertension. Fleischer A, et al. Am J Obstet Gynecol 1986 Apr;154(4):806–13

Effect of hexoprenaline on uteroplacental blood flow in the pregnant rat. Lipshitz J, et al. **Am J Obstet Gynecol** 1986 Feb;154(2):310–4

Uterine arteriovenous malformation successfully embolized with a liquid polymer, isobutyl 2-cyanoacrylate. Markoff G, et al. **Am J Obstet Gynecol** 1986 Sep;155(3):659–60

Systemic and uterine responsiveness to angiotensin II and norepinephrine in estrogen-treated nonpregnant sheep. Naden RP, et al. **Am J Obstet Gynecol** 1985 Oct 15; 153(4):417–25

A unique case of abdominal pregnancy: what are the minimal requirements for placental contact with the maternal vascular bed? Norén H, et al. **Am J Obstet Gynecol** 1986 Aug;155(2):394–6

Relationship of uteroplacental blood flow to placental clearance of maternal plasma C-19 steroids: evaluation of mathematical models. Senner JW, et al. **Am J Obstet Gynecol** 1985 Nov 1;153(5):573–5

Magnesium sulfate and ritodrine hydrochloride: systemic and uterine hemodynamic effects. Thiagarajah S, et al. **Am J Obstet Gynecol** 1985 Nov 15;153(6):666–74

The effect of a calcium channel blocker (nifedipine) on uterine blood flow in the pregnant goat. Veille JC, et al. **Am J Obstet Gynecol** 1986 May;154(5):1160–3

Metabolic and circulatory studies of fetal lamb at midgestation. Bell AW, et al. **Am J Physiol** 1986 May;250(5 Pt 1):E538–44

Endogenous hormones and regulation of uterine blood flow during pregnancy. Caton D, et al. **Am J Physiol** 1986 Mar; 250(3 Pt 2):R365–9

Effect of restriction of placental growth on umbilical and uterine blood flows. Owens JA, et al. **Am J Physiol** 1986 Mar;250(3 Pt 2):R427–34

Transplacental diffusion and blood flow of gravid bovine uterus. Reynolds LP, et al. **Am J Physiol** 1985 Nov;249(5 Pt 2):R539–43

Effect of graded reductions in uteroplacental blood flow on the fetal lamb. Skillman CA, et al. **Am J Physiol** 1985 Dec; 249(6 Pt 2):H1098–105

Spontaneous rupture of utero-ovarian vein in the 33rd week of pregnancy. Takahashi T, et al. **Asia Oceania J Obstet Gynaecol** 1985 Sep;11(3):387–92

Placental blood flow and fetal weight following uterine artery ligation. Temporal aspects of intrauterine growth retardation in the guinea pig. Jansson T, et al. **Biol Neonate** 1986;49(3):172–80

Decreased uterine blood flow in the diabetic pregnant rat does not modify the augmented glucose transfer to the fetus. Palacín M, et al. **Biol Neonate** 1985;48(4):197–203

Increased uterine vascular permeability at the time of embryonic attachment in the pig. Keys JL, et al. **Biol Reprod** 1986 Mar;34(2):405–11

Transcatheter embolization of uterine arteriovenous malformations. Wilms GE, et al. **Cardiovasc Intervent Radiol** 1986;9(2):61–4

Effect of selective occlusion of the umbilical arteries and/or veins on uterine blood flow in sheep. Hasaart TH, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Jan;21(1):53–60

Uteroplacental blood flow measurement using radioisotopes in small placentas. Philipp K, et al. **Gynecol Obstet Invest** 1986;21(2):70–5

Effects of sodium chloride on pregnant sheep with reduced uteroplacental perfusion pressure. Leffler CW, et al. **Hypertension** 1986 Jan;8(1):62–5

Relationship of uteroplacental blood flow to the placental clearance of maternal dehydroepiandrosterone through estradiol formation in the pregnant baboon. Fritz MA, et al. **J Clin Endocrinol Metab** 1985 Dec;61(6):1023–30

In vitro prostacyclin production by ovine uterine and systemic arteries. Effects of angiotensin II. Magness RR, et al. **J Clin Invest** 1985 Dec;76(6):2206–12

The relationship of umbilical glucose uptake to uterine blood flow. Wilkening RB, et al. **J Dev Physiol** 1985 Oct; 7(5):313–9

Metabolic and cardiovascular effects on fetal sheep of sustained reduction of uterine blood flow. Gu W, et al. **J Physiol (Lond)** 1985 Nov;368:109–29

Conceptus development after vascular occlusion of the middle uterine artery in the pig. Molina JR, et al. **J Reprod Fertil** 1985 Nov;75(2):501–6

Chronic measurement, using a Doppler probe, of uterine artery flow in the gravid guinea-pig. Weiner CP, et al. **J Reprod Fertil** 1986 May;77(1):247–56

Effects of the ovary and conceptus on uterine blood flow in the pig. Ford SP, et al. **J Reprod Fertil [Suppl]** 1985; 33:83–90 (38 ref.)

Uterine arteriovenous fistula. A case report. el-Torky M, et al. **J Reprod Med** 1986 Apr;31(4):283–6

Maternal factors in the control of fetal growth. Parer JT. **Mead Johnson Symp Perinat Dev Med** 1984;(23):11–4

Co-localization of neuropeptide Y, vasoactive intestinal polypeptide and dynorphin in non-noradrenergic axons of the guinea pig uterine artery. Morris JL, et al. **Neurosci Lett** 1985 Nov 20;62(1):31–7

Arteriovenous malformation of the uterus and pelvis. Ghosh TK. **Obstet Gynecol** 1986 Sep;68(3 Suppl):40S–43S

Pressure-diameter curves of mesometrial arteries of guinea pigs demonstrate a non-muscular, oestrogen-inducible mechanism of lumen regulation. Moll W, et al. **Pflugers Arch** 1985 Aug;404(4):332–6

Transplacental diffusion in a bicornuate uterus: comparison of uterine blood flow and oxygen uptake between horns. Wilkening RB. **Proc Soc Exp Biol Med** 1986 Jun; 182(2):237–44

[Determination of uterine-placental blood flow with 113mIn in the last trimester of a normal pregnancy] Slavov N, et al. **Akush Ginekol (Sofiia)** 1986;25(2):54–8 (Eng. Abstr.) **(Bul)**

[Study of uteroplacental circulation using 113mIn in physiological pregnancy in the 3d trimester] Rýznar V, et al. **Cesk Gynekol** 1986 May;51(4):233–9 (Eng. Abstr.) **(Cze)**

[Giant cell arteritis of the uterus. Apropos of a case] Dechelotte P, et al. **Ann Pathol** 1985;5(3):217–9 (Eng. Abstr.) **(Fre)**

[Obstetric hemostatic ligation of the uterine arteries] Negura A, et al. **Rev Fr Gynecol Obstet** 1985 Aug–Sep; 80(8–9):615–8 (Eng. Abstr.) **(Fre)**

[The effect of low blood pressure on venous function during and outside of pregnancy and therapeutic consequences] Goeschen K, et al. **Geburtshilfe Frauenheilkd** 1985 Aug; 45(8):525–33 (Eng. Abstr.) **(Ger)**

[Normalization of fetal heart rate and fetal blood pressure following reduction of uterine blood circulation] Hohmann M, et al. **Z Geburtshilfe Perinatol** 1986 Feb–Mar;190(1):1–8 (Eng. Abstr.) **(Ger)**

[Measurement of uteroplacental circulation—methods of determination and clinical evaluation] During R, et al. **Zentralbl Gynakol** 1986;108(12):713–23 (Eng. Abstr.) **(Ger)**

[Methodologic observations on the quantitative determination of uteroplacental perfusion] Petzold J, et al. **Zentralbl Gynakol** 1985;107(18):1123–30 (Eng. Abstr.) **(Ger)**

[A study of uteroplacental blood flow using pulsed Doppler ultrasound] Meizner I, et al. **Harefuah** 1985 Dec 1; 109(11):317–9 (Eng. Abstr.) **(Heb)**

[Hemoperitoneum in the 5th month of pregnancy] Bianchi C, et al. **Minerva Chir** 1986 May 15;41(9):799–801 (Eng. Abstr.) **(Ita)**

[A case of cirsoid aneurysm of the uterus] Okamoto Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 May; 38(5):802–5 **(Jpn)**

[Selected problems of morphology of the venous system of female internal genital organs. I. The system of uterine and ovarian veins] Czerkwiński J. **Ginekol Pol** 1985 Apr; 56(4):207–13 (Eng. Abstr.) **(Pol)**

[Selected problems of morphology of the venous system of the female internal genital organs. II. Morphology of the veins of the mesosalpinx. The venous system in cases of uterine myoma. Atypical anastomoses between ovarian and uterine venous trunks] Czerkwiński J. **Ginekol Pol** 1985 May–Jun;56(5–6):293–9 (Eng. Abstr.) **(Pol)**

[Selected problems of morphology of the venous system of the female internal genital organs. III. Venous valves in the internal female genital organs] Czerkwiński J. **Ginekol Pol** 1985 Sep;56(9):525–31 (Eng. Abstr.) **(Pol)**

[Angioarchitectonics of uterine arteries] Wydrzyński M. **Ginekol Pol** 1985 May–Jun;56(5–6):288–92 (Eng. Abstr.) **(Pol)**

[Various pathogenetic mechanisms of the development of abnormal uterine contractile activity] Gazazian MG. **Akush Ginekol (Mosk)** 1986 Jan;(1):31–4 (Eng. Abstr.) **(Rus)**

[Local blood hormone levels and hyperplastic processes in the endometrium] Savitskii GA, et al. **Akush Ginekol (Mosk)** 1985 Nov;(11):37–41 (Eng. Abstr.) **(Rus)**

[Measurement of blood flow in the uterus of the female rabbit by the hydrogen clearance method] Iripkhanov BB, et al. **Fiziol Zh SSSR** 1986 Mar;72(3):390–3 **(Rus)**

[Rupture of a varicose dilated vein of the uterus] Skripnichenko DF, et al. **Klin Khir** 1986;(1):70 **(Rus)**

[Uteroplacental blood circulation in normal pregnancy] Banović I. **Lijec Vjesn** 1985 Oct;107(10):422–7 (Eng. Abstr.) **(Ser)**

CYTOLOGY

Phagocytic and killing capacities of uterine-derived polymorphonuclear leukocytes from mares resistant and susceptible to chronic endometritis. Cheung AT, et al. **Am J Vet Res** 1985 Sep;46(9):1938–40

Proliferation of mouse uterine epithelial cells in vitro. Tomooka Y, et al. **Endocrinology** 1986 Mar;118(3):1011–8

Cell growth and cell proliferation may be dissociated in the mouse uterine luminal epithelium treated with female sex steroids. Cheng SV, et al. **Exp Cell Res** 1985 Oct; 160(2):459–70

Restoration of normal morphology and estrogen responsiveness in cultured vaginal and uterine epithelia transplanted with stroma. Cooke PS, et al. **Proc Natl Acad Sci USA** 1986 Apr;83(7):2109–13

Prostaglandin binding to different cell types of human uterus: quantitative light microscope autoradiographic study. Chegini N, et al. **Prostaglandins Leukotrienes Med** 1986 Apr;22(1):129–38

DRUG EFFECTS

Oestrogen agonistic effects of tamoxifen in the uterus of newborn guinea pigs after short and long treatment. Biological and histological studies. Pasqualini JR, et al. **Acta Endocrinol (Copenh)** 1986 Mar;111(3):378–86

Lack of effect of arbaprostil on the human non-pregnant uterus. Reele SB, et al. **Acta Obstet Gynecol Scand** 1985; 64(8):645–7

Upper genital tract changes and infertility in diethylstilbestrol-exposed women. Kaufman RH, et al. **Am J Obstet Gynecol** 1986 Jun;154(6):1312–8

Pharmacologic levels of nitrendipine do not affect actin-myosin interaction in the human uterus and placenta. Sakamoto H, et al. **Am J Obstet Gynecol** 1986 Feb; 154(2):402–7

Effect of ritodrine on uteroplacental blood flow and cardiac output distribution in unanesthetized pregnant guinea pigs. van de Walle AF, et al. **Am J Obstet Gynecol** 1986 Jan; 154(1):189–94

Peptides PHI and VIP: comparison between vascular and nonvascular smooth muscle effect in rabbit uterus. Bardrum B, et al. **Am J Physiol** 1986 Jul;251(1 Pt 1):E48–51

Histopathologic changes of uterus following gossypol treatment during early pregnancy in rats. Rikiihisa Y, et al. **Anat Rec** 1985 Sep;213(1):72–6

Hormonal effects on the activities of glycosidases in the endometrium of rabbit uterus. Munakata H, et al. **Biochem Med Metab Biol** 1986 Apr;35(2):179–83

Inhibition of postpartum uterine involution in the rat by relaxin. Adams WC, et al. **Biol Reprod** 1985 Dec; 33(5):1168–75

Intrauterine infusion of prostaglandins and decidualization in rats with uteri differentially sensitized for the decidual cell reaction. Kennedy TG. **Biol Reprod** 1986 Mar; 34(2):327–35

Vasotocin analogues which competitively inhibit vasopressin stimulated uterine activity in healthy women. Akerlund M, et al. **Br J Obstet Gynaecol** 1986 Jan;93(1):22–7

The beta 1- and beta 2-adrenoceptor stimulatory effects of alprenolol, oxprenolol and pindolol: a study in the isolated right atrium and uterus of the rat. Abrahamsson T. **Br J Pharmacol** 1986 Apr;87(4):657–64

The selective antagonism of bradykinin action on rat isolated uterus by crude Mandevilla velutina extract. Calixto JB, et al. **Br J Pharmacol** 1985 Aug;85(4):729–31

The spasmogenic action of oxytocin in the rat uterus—comparison with other agonists. Edwards D, et al. **Br J Pharmacol** 1986 Aug;88(4):899–908

Effects of calcium entry blockers on tension development and calcium influx in rat uterus. Granger SE, et al. **Br J Pharmacol** 1986 Jan;87(1):147–56

The affinity of norgestimate for uterine progestogen receptors and its direct action on the uterus. Killinger J, et al. **Contraception** 1985 Sep;32(3):311–9

Effects of progestins and glucocorticoids on deoxyribonucleic acid synthesis in the uterus of the neonatal mouse. Bigsby RM, et al. **Endocrinology** 1985 Dec; 117(6):2520–6

In vivo and in vitro antiestrogenic action of 3-hydroxytamoxifen, tamoxifen and 4-hydroxytamoxifen. Löser R, et al. **Eur J Cancer Clin Oncol** 1985 Aug; 21(8):985–90

Influence of GYKI-13504, a new antioestrogen, on the responsiveness of isolated uterus removed from oestradiol pretreated rats to PGF2 alpha. Borvendég J, et al. **Exp Clin Endocrinol** 1985 Dec;86(3):368–70

c-rasH and ornithine decarboxylase are induced by oestradiol-17 beta in the mouse uterine luminal epithelium independently of the proliferative status of the cell. Cheng SV, et al. **FEBS Lett** 1986 Feb 17;196(2):309–14

Effect of Depo-Provera and Noristerat on some biochemical constituents of rat uterus. Bhowmik T, et al. **Indian J Exp Biol** 1986 Mar;24(3):145–8

Modulation of oxytocin evoked uterine responses with phosphodiesterase active agents and catecholamines. Singh M, et al. **Indian J Exp Biol** 1985 Aug;23(8):441–6

Diethylstilbestrol metabolites and analogs. Biochemical probes for differential stimulation of uterine estrogen responses. Korach KS, et al. **J Biol Chem** 1985 Dec 15; 260(29):15420–6

Effect of prepartum selenium treatment on uterine involution in the dairy cow. Harrison JH, et al. **J Dairy Sci** 1986 May;69(5):1421–5

Differential potency of oestradiol-17 beta and diethylstilboestrol on separate groups of responses in the rat uterus. Grunert G, et al. **J Endocrinol** 1986 Jul; 110(1):103–14

Ornithine decarboxylase inhibition and the uterotrophic response to oestrogen in rats. Marshall K, et al. **J Reprod Fertil** 1986 Mar;76(2):597–601

Effects of oestradiol-17 beta and progesterone on the number of plasma cells in uteri of ovariectomized mice. Parr MB, et al. **J Reprod Fertil** 1986 May;77(1):91–7

Transient uterine refractoriness after oxytocin administration in ewes. Sheldrick EL, et al. **J Reprod Fertil** 1986 Jul; 77(2):523–9

Biological responses of tamoxifen in the fetal and newborn vagina and uterus of the guinea-pig and in the R-27 mammary cancer cell line. Pasqualini JR, et al. **J Steroid Biochem** 1986 Jan;24(1):99–108

The effects of acute administration of cytotoxic anticancer agents on the capacity for subsequent hormonal responses in the mouse uterus. Pavlik EJ, et al. **J Steroid Biochem** 1986 Aug;25(2):231–7

Estrogen responsiveness of fetal guinea pig uterine cells in culture. Sumida C, et al. **J Steroid Biochem** 1986 Jan; 24(1):231–4

Age-dependent change in sensitivity of oestrogen-induced

uterine cell proliferation of mice, estimated by incorporation of [125I]iododeoxyuridine. Terada N, et al. **J Steroid Biochem** 1985 Dec;23(6A):1037–41

Estrogenic activity of DDT: estrogen–receptor profiles and the responses of individual uterine cell types following o,p'-DDT administration. Robison AK, et al. **J Toxicol Environ Health** 1985;16(3–4):493–508

Dissociation of uterine eosinophilia and water imbibition from other estrogen–induced responses by nafoxidine pretreatment. Galand P, et al. **Mol Cell Endocrinol** 1985 Oct;42(3):227–33

Induction of progesterone receptor by androgens in the mouse uterus. Ho SM, et al. **Mol Cell Endocrinol** 1986 Jul; 46(2):103–8

Effect of estrogen, testosterone, and phenobarbital on uterine weight and liver microsomal enzymes in prepuberal mice. Robl JM, et al. **Pediatr Pharmacol (New York)** 1985; 5(3):157–64

Development of vaginal adenosis–like lesions and uterine epithelial stratification in mice exposed perinatally to diethylstilbestrol. Iguchi T, et al. **Proc Soc Exp Biol Med** 1986 Jan;181(1):59–65

Utero–ovarian venous concentrations of prostaglandin E2 (PGE2) and prostaglandin F2 alpha (PGF2 alpha) following PGE2 intrauterine infusions. Okrasa SO, et al. **Prostaglandins** 1985 Nov;30(5):851–6

Norepinephrine alters PGE2/PGE1 output ratio in isolated uterus from ovariectomized rats. Chand MA, et al. **Prostaglandins Leukotrienes Med** 1986 May;22(2):201–10

Uterine MR imaging: effects of hormonal stimulation. Demas BE, et al. **Radiology** 1986 Apr;159(1):123–6

Differential responses of rabbit endocervix and uterus to medroxyprogesterone acetate. Chilton BS, et al. **Steroids** 1985 Oct.–Nov;46(4–5):915–27

Rat luminal cell nuclear area changes correlated with uterine growth responses induced by a low dose infusion or injection of estradiol–17 beta. Lavia LA, et al. **Steroids** 1985 Jun;45(6):519–37

Interactive effects of estradiol and 2,3,7,8–tetrachlorodibenzo–p–dioxin on hepatic cytochrome P–450 and mouse uterus. Gallo MA, et al. **Toxicol Lett** 1986 Jul–Aug;32(1–2):123–32

Studies of the intrinsic antiuterotropic activity of murine alpha–fetoprotein. Mizejewski GJ, et al. **Tumour Biol** 1986; 7(1):19–36

Glycerol treatment increases intramembranous particle density in uterine epithelial cells. Murphy CR. **Z Mikrosk Anat Forsch** 1986;100(1):121–4

[Effects of total glycosides of Tripterygium wiifordii on the reproductive organs of experimental animals. II. Experiments in female rats] Zheng JR, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1985 Aug; 7(4):256–9 (Eng. Abstr.) **(Chi)**

[Relation between properties of adrenoceptors in mouse uterine smooth muscle and hormonal states] Xu DZ, et al. **Chung Kuo Yao Li Hsueh Pao** 1985 Jun;6(2):117–120 (Eng. Abstr.) **(Chi)**

[Effect on the beta adrenoceptor agonist, isoprenaline, on cAMP levels in the mouse uterus] Yao MH, et al. **Yao Hsueh Hsueh Pao** 1985 Mar;20(3):178–80 (Eng. Abstr.) **(Chi)**

[Effect of tamoxifen and estrogens on breast cancer cell lines: MCF–7 and R–27, and on the uterus and vagina of fetal and newborn guinea–pigs] Pasqualini JR, et al. **Pathol Biol (Paris)** 1985 Dec;33(10):987–92 (Eng. Abstr.) **(Fre)**

[Effects of routine administration of methylergometrin during puerperium on involution, maternal morbidity and lactation] Arabin B, et al. **Geburtshilfe Frauenheilkd** 1986 Apr;46(4):215–20 (Eng. Abstr.) **(Ger)**

[Proliferative activity of the uterine epithelium and mesenchymal elements in CBA–strain mice administered 1,2–dimethylhydrazine and estradiol dipropionate] Merkulova IB. **Eksp Onkol** 1986;8(1):47–51 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Ultrastructural modifications provoked by tamoxifen either alone or combined with oestradiol in the uteri of fetal or newborn guinea–pigs. Pasqualini JR, et al. **J Endocrinol** 1986 Aug;110(2):197–202

ENZYMOLOGY

The effect of oestrogen and relaxin on uterine and cervical enzymes: collagenase, proteoglycanase and beta–glycuronidase. Too CK, et al. **Acta Endocrinol (Copenh)** 1986 Mar;111(3):394–403

Inhibitors of trypsin, chymotrypsin and elastase in human uterine fluid. Caulén B. **Acta Obstet Gynecol Scand** 1986; 65(2):121–4

A rapid method for purification of arylsulphatase A from rabbit uterus. Fioretti E, et al. **Biochem Int** 1986 Jan; 12(1):1–9

Peroxidase activity in the mouse uterus, placenta and fetus during pregnancy. Nelson JL, et al. **Biochem Int** 1986 Jul; 13(1):131–8

Isolation of a precursor and a nascent chain form of glucose–6–phosphate dehydrogenase from rat uterus and regulation of precursor processing by estradiol. Cummings AM, et al. **Biochim Biophys Acta** 1986 Feb 19; 880(2–3):226–41

Partial purification and characterization of a trypsin–like proteinase from rabbit preimplantation uterine fluid. Tinljar U, et al. **Biol Chem Hoppe Seyler** 1985 Nov;366(11):1053–5

Comparative analysis of rat uterine estrogen–induced creatine kinase with monoclonal antibodies. Kumar SA, et al. **Hybridoma** 1985 Winter;4(4):297–309

Effect of copper and nylon–IUD on uterine carbonic anhydrase activity. Ghosh M, et al. **Indian J Exp Biol** 1985 Jun;23(6):345–6

The gelatinolytic activity of rat uterus collagenase. Welgus HG, et al. **J Biol Chem** 1985 Nov 5;260(25):13601–6

Direct inhibitory actions of GnRH on accessory reproductive organs of rat. Reddy PR, et al. **J Steroid Biochem** 1985 Nov;23(5B):819–22

Distribution of peroxidase and granulocytes in the human uterus. Press MF, et al. **Lab Invest** 1986 Feb;54(2):188–203

Oestrogen–induced changes in the relative concentrations of ribonuclease and ribonuclease inhibitor in rat uterus. Brockdorff NA, et al. **Mol Cell Endocrinol** 1986 Feb; 44(2):117–24

Phosphorus phase feeding and uterine and isthmus mucosal enzymes and minerals in relation to soft–shelled and shell–less egg production. Klingensmith PM, et al. **Poult Sci** 1985 Nov;64(11):2180–8

Interactions of isoflavones, zearalenone and DES with rat uterine peroxidase enzyme. Shore LS, et al. **Prog Clin Biol Res** 1986;213:253–6

Presence and estrogen modulation of the 2',5'– oligoadenylate synthetase/endoribonuclease system in the rat uterus. Watson GH, et al. **Prog Clin Biol Res** 1985;202:369–75

[Enzyme histochemistry of the pig placenta. III. Histotopics of enzymes in the uterine epithelium] Skolek–Winnisch R, et al. **Acta Histochem (Jena)** 1986;79(2):229–41 (Eng. Abstr.) **(Ger)**

[Role of histamine as an intermediary in the action of estradiol on the rat uterus: inhibition of the hormonal induction of enzymes using histamine antagonists] Pankova TG, et al. **Probl Endokrinol (Mosk)** 1985 May–Jun;31(3):73–8 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Studies on the energy metabolism of the pregnant sow. 1. Uterus and mammary tissue development. Noblet J, et al. **Br J Nutr** 1985 Mar;53(2):251–65

The postnatal ontogeny of rat uterine glands and age–related effects of 17 beta–estradiol. Branham WS, et al. **Endocrinology** 1985 Nov;117(5):2229–37

Inhibition of rat uterine gland genesis by tamoxifen. Branham WS, et al. **Endocrinology** 1985 Nov;117(5):2238–48

Puberty in the rat: modulation by melatonin and light. Rivest RW, et al. **J Neural Transm [Suppl]** 1986;21:81–108

Effect of ipriflavone on the response of uterus and thyroid to estrogen. Yamazaki I. **Life Sci** 1986 Feb 24;38(8):757–64

[Utero–ovarian echography during normal development and in sexual precocity] Battin J, et al. **Rev Fr Gynecol Obstet** 1986 May;81(5):291–5 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Opsonization of bacteria by uterine secretions of cyclic mares. Brown AE, et al. **Am J Reprod Immunol Microbiol** 1985 Dec;9(4):119–23

Concerning the immunology of the uterus. Head JR, et al. **Am J Reprod Immunol Microbiol** 1986 Mar;10(3):76–81

Immunoregulatory mechanisms in the uterus and survival of the fetus. Clark DA, et al. **Contrib Gynecol Obstet** 1985; 14:44–53 (35 ref.)

Identification of a uteroglobin–like antigen in human uterine washings. Cowan BD, et al. **Fertil Steril** 1986 Jun; 45(6):820–3

Preliminary characterization of two types of suppressor cells in the human uterus. Daya S, et al. **Fertil Steril** 1985 Dec; 44(6):778–85

Leucocyte surface antigens in metrial gland tissue of ovariectomized pregnant rats, deciduomata–bearing rats and in uterine tissue of non–pregnant rats. Mitchell BS, et al. **Immunology** 1986 Jun;58(2):297–301

Characterization of a specific antiserum for mammalian collagenase from several species: immunolocalization of collagenase in rabbit chondrocytes and uterus. Hembry RM, et al. **J Cell Sci** 1986 Mar;81:105–23

Active suppression of host–vs–graft reaction in pregnant mice. VII. Spontaneous abortion of allogeneic CBA/J x DBA/2 fetuses in the uterus of CBA/J mice correlates with deficient non–T suppressor cell activity. Clark DA, et al. **J Immunol** 1986 Mar 1;136(5):1668–75

Immune presensitization and local intrauterine defences as determinants of success or failure of murine interspecies pregnancies. Clark DA, et al. **J Reprod Fertil** 1986 Jul; 77(2):633–43

Immunohistochemical localization of immunoglobulins A, G and M in the mouse female genital tract. Parr MB, et al. **J Reprod Fertil** 1985 Jul;74(2):361–70

Influence of the embryo on the distribution of maternal immunoglobulins in the mouse uterus. Rachman F, et al. **J Reprod Fertil** 1986 May;77(1):257–64

Ia antigen expression in the rat uterus. Head JR, et al. **J Reprod Immunol** 1986 Jul;9(2):137–53

The identification of candidate antigens for the development of birth control vaccines. An international multi–centre study on antibodies to reproductive tract antigens, using clinically defined sera. Hjort T, et al. **J Reprod Immunol** 1985 Dec;8(4):271–8

An overview of the WHO international multi–centre study on antibodies to reproductive tract antigens in clinically defined sera. Hjort T, et al. **J Reprod Immunol** 1985 Dec; 8(4):359–62

Secretory immunoglobulin binding to bacteria in the mouse uterus after mating. Parr EL, et al. **J Reprod Immunol** 1985 Aug;8(1):71–82

Localization of immunoglobulins in the mouse uterus, embryo, and placenta during the second half of pregnancy. Parr EL, et al. **J Reprod Immunol** 1985 Nov;8(2–3):153–71

Estradiol regulation of the secretory immune system in the female reproductive tract: IgA in uterine and vaginal secretions of rats following portacaval anastomosis. Wira CR, et al. **J Steroid Biochem** 1986 Jan;24(1):33–7

The uterus lupus band test and its correlation with the skin lupus band test in autoimmune mice. Furukawa F, et al. **Microbiol Immunol** 1986;30(4):395–400

Specific antibody in the equine genital tract following local immunisation and challenge infection with contagious equine metritis organism (Taylorella equigenitalis). Widders PR, et al. **Res Vet Sci** 1986 Jan;40(1):54–8

Sex–dependent local cellular immunity to alloantigens. Taylor E, et al. **Transplantation** 1986 Mar;41(3):384–7

[Occurrence of antibodies against influenza viruses in the female genital tract of mice following oral immunization] Briese V, et al. **Zentralbl Gynakol** 1986;108(4):246–50 (Eng. Abstr.) **(Ger)**

[Characteristics of local immunity and microbial contamination of the birth canal in puerperae after cesarean section] Kolomiltseva AG, et al. **Akush Ginekol (Mosk)** 1985 Aug;(8):59–62 **(Rus)**

INJURIES

Comparison of electronically superpulsed and continuous–wave CO2 laser on the rat uterine horn. Baggish MS, et al. **Fertil Steril** 1986 Jan;45(1):120–7

[Posttraumatic uterine synechiae in gynecological practice] Gheorghiță E, et al. **Rev Med Chir Soc Med Nat Iasi** 1984 Jan–Mar;88(1):29–33 (0 ref.) **(Rum)**

INNERVATION

Structural studies of innervation on nonpregnant rat uterus. Garfield RE. **Am J Physiol** 1986 Jul;251(1 Pt 1):C41–54

Peptidergic innervation of the human and guinea pig uterus. Heinrich D, et al. **Arch Gynecol** 1986;237(4):213–9

Comparative histochemical distribution of nerve fibres storing noradrenaline and neuropeptide Y (NPY) in human ovary, fallopian tube, and uterus. Owman C, et al. **Med Biol** 1986;64(2–3):57–65

METABOLISM

Hormonal imprinting by steroids: a single neonatal treatment with diethylstilbestrol or allylestrenol gives rise to a lasting decrease in the number of rat uterine receptors. Csaba G, et al. **Acta Physiol Hung** 1986;67(2):207–12

Estradiol binding and phosphatase activity in the uterus after castration and chronic diabetes: effect of molybdate and estrogen replacement. Fridman O, et al. **Acta Physiol Pharmacol Latinoam** 1985;35(2):193–203

Relationship between type I and type II estrogen binding sites in the rat uterus. Moses DF, et al. **Acta Physiol Pharmacol Latinoam** 1985;35(4):451–7

Reduced uptake of noradrenaline into storage vesicles from the pregnant uterus. Fried G, et al. **Acta Physiol Scand** 1985 Mar;123(3):311–6

Phosphorylated nucleotides and glycolytic intermediates in diabetic and non–diabetic rat uterus in late pregnancy. Zaidise I, et al. **Adv Exp Med Biol** 1986;194:495–501

Mechanisms of human parturition: role of prostaglandins and related compounds. Mitchell MD. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:613–5

Immunochemical and cytochemical studies of relaxin–containing cells in the guinea pig uterus. Larkin LH, et al. **Am J Anat** 1986 Jul;176(3):353–65

Uterine metabolism of the pregnant rabbit under chronic steady–state conditions. Johnson RL, et al. **Am J Obstet Gynecol** 1986 May;154(5):1146–51

The effect of aminophylline on uterine smooth muscle contractility and prostaglandin production in the pregnant rat uterus in vitro. Laifer SA, et al. **Am J Obstet Gynecol** 1986 Jul;155(1):212–5

Heat flux and oxygen consumption of the pregnant uterus. Rudelstorfer R, et al. **Am J Obstet Gynecol** 1986 Feb; 154(2):462–70

Uteroplacental O2 uptake: continuous measurements during uterine quiescence and contractions. Longo LD, et al. **Am J Physiol** 1986 Jun;250(6 Pt 2):R1099–107

Changes in protein turnover in rat uterus during pregnancy. Morton AJ, et al. **Am J Physiol** 1986 Feb;250(2 Pt 1):E114–20

Concentrations of gentamicin in serum, milk, urine, endometrium, and skeletal muscle of cows after repeated intrauterine injections. Haddad NS, et al. **Am J Vet Res** 1986 Jul;47(7):1597–601

Stretch–induced myosin light chain phosphorylation in rat uterus. Csabina S, et al. **Arch Biochem Biophys** 1986 Sep; 249(2):374–81

Partitioning of nutrients in merino ewes. II. Glucose

utilization by skeletal muscle, the pregnant uterus and the lactating mammary gland in relation to whole body glucose utilization. Oddy VH, et al. **Aust J Biol Sci** 1985; 38(1):95–108

Uterine changes on removal of submaxillary glands in rats (histological changes/uterine peroxidase/blood estradiol level). Bhattacharyya J, et al. **Biochem Biophys Res Commun** 1985 Dec 17;133(2):462–7

Diethyl pyrocarbonate, a histidine selective reagent, inhibits estrogen binding to receptor protein in rat uterus cytosol. Baker ME, et al. **Biochem Int** 1985 Aug;11(2):233–8

Conformational and electrostatic properties of unoccupied and liganded estrogen receptors determined by aqueous two-phase partitioning. Hansen JC, et al. **Biochemistry** 1985 Oct 22;24(22):6078–85

Hydrodynamic characterizations of estrogen receptors complexed with [3H]-4-hydroxytamoxifen: evidence in support of contrasting receptor transitions mediated by different ligands. Pavlik EJ, et al. **Biochemistry** 1985 Dec 31;24(27):8101–6

Lipid peroxidation in rat uterus. Devasagayam TP. **Biochim Biophys Acta** 1986 May 21;876(3):507–14

Estradiol regulation of uterine nucleolar estradiol binding sites. Wheily SM. **Biochim Biophys Acta** 1986 Feb 19; 880(2–3):179–88

Prostaglandin F2 alpha as the luteolysin in swine: VI. Hormonal regulation of the movement of exogenous PGF2 alpha from the uterine lumen into the vasculature. Marengo SR, et al. **Biol Reprod** 1986 Mar;34(2):284–92

Permeability of the primary decidual zone in the rat uterus: studies using fluorescein-labeled proteins and dextrans. Parr MB, et al. **Biol Reprod** 1986 Mar;34(2):393–403

Contributions of the fetoplacental unit to augmented uterine prostaglandin levels periparturition in the rat. Wilson L Jr, et al. **Biol Reprod** 1985 Oct;33(3):612–7

Effects of undernutrition and exercise during late pregnancy on uterine, fetal and uteroplacental metabolism in the ewe. Chandler KD, et al. **Br J Nutr** 1985 May;53(3):625–35

Characterization of [3H]-nitrendipine binding to uterine smooth muscle plasma membrane and its relevance to inhibition of calcium entry. Batra S. **Br J Pharmacol** 1985 Aug;85(4):767–74

Autoradiographic determination of catechol estrogen binding sites in brain, pituitary and uterus. Parvizi N, et al. **Brain Res** 1985 Oct 7;344(2):373–6

Prostaglandin concentrations in uterine fluid of cows with pyometra. Manns JG, et al. **Can J Comp Med** 1985 Oct; 49(4):436–8

Inhibition by indomethacin of increased estradiol extraction by the IUD-containing rat uterine horn. Gambone JC, et al. **Contraception** 1985 Aug;32(2):191–7

Carbohydrate metabolism and the temporal occurrence of a serotonin-like indole in the male and female reproductive tract and its relationship with PGF and infertility: a review. van der Horst CJ. **Cytobios** 1986;45(181):85–95 (61 ref.)

Expression of active human uterine tissue plasminogen activator in yeast. Lemontt JF, et al. **DNA** 1985 Dec; 4(6):419–28

Comparison of the physicochemical properties of uterine nuclear estrogen receptors bound to estradiol or 4-hydroxytamoxifen. Attardi B, et al. **Endocrinology** 1986 Aug;119(2):904–15

Effect of aging on the dissociation kinetics and estradiol receptor nuclear interactions in mouse uteri: correlation with biological effects. Belisle S, et al. **Endocrinology** 1986 Feb;118(2):730–8

Estrogen stimulation of deoxyribonucleic acid synthesis in uterine epithelial cells which lack estrogen receptors. Bigsby RM, et al. **Endocrinology** 1986 Jul;119(1):390–6

Characterization of the calf uterine androgen receptor and its activation to the deoxyribonucleic acid–binding state. de Boer W, et al. **Endocrinology** 1986 Feb;118(2):851–61

Regulation of N-linked glycoprotein assembly in uteri by steroid hormones. Dutt A, et al. **Endocrinology** 1986 Feb; 118(2):661–73

Dissimilarities between the uterine estrogen receptor in cytosol of castrated and estradiol-treated rats. Faye JC, et al. **Endocrinology** 1986 Jun;118(6):2276–83

Estrogen receptors in cultured rat uterine cells: induction of progesterone receptors in the absence of estrogen receptor processing. Kassis JA, et al. **Endocrinology** 1986 Feb;118(2):603–8

Estrogen regulation of protein synthesis in the immature rat uterus: the analysis of proteins released into the medium during in vitro incubation. Komm BS, et al. **Endocrinology** 1986 Jun;118(6):2411–6

Ribosome-associated estradiol-binding components in the uterus and their relationship to the translational capacity of uterine ribosomes. Labate ME, et al. **Endocrinology** 1986 Jul;119(1):140–51

Hormonal control of phospholipid methylation in uterine luminal epithelial cells during uterine sensitivity to deciduogenic stimuli. Moulton BC, et al. **Endocrinology** 1986 Jan;118(1):244–9

Progesterone receptor replenishment during sustained progesterone treatment in the hamster uterus. Okulicz WC. **Endocrinology** 1986 Jun;118(6):2488–94

Antagonism to estradiol in the mouse: reduced entry of receptors complexed with 4-hydroxytamoxifen into a Mg2+-soluble chromatin fraction. Pavlik EJ, et al. **Endocrinology** 1986 May;118(5):1924–34

Rabbit uterine oxytocin receptors and in vitro contractile response: abrupt changes at term and the role of eicosanoids. Riemer RK, et al. **Endocrinology** 1986 Aug; 119(2):699–709

Evidence for the presence of luteinizing hormone/human chorionic gonadotropin–binding sites in the porcine uterus. Ziecik AJ, et al. **Endocrinology** 1986 Sep;119(3):1159–63

Pregnancy-related changes in the distribution of glycosaminoglycans in the cervix and corpus of the human uterus. Cabrol D, et al. **Eur J Obstet Gynecol Reprod Biol** 1985 Nov;20(5):289–95

Cytoplasmic and nuclear estrogen binding capacity in the rat uterus during treatment with danazol and testosterone. Cano A, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Apr;21(4):245–52

Differential effects of cations and guanyl nucleotides on agonist and antagonist binding to rat adrenal and uterine angiotensin II receptors. Capponi AM, et al. **Eur J Pharmacol** 1985 Aug 27;114(3):325–33

Antagonistic effect of progesterone towards estradiol dipropionate–induced changes in glycogen content in uterus and vagina of P-mice. Tripathi G, et al. **Experientia** 1985 Nov 15;41(11):1455–6

Composition in N, Ca, P and Mg in the group uterus, placenta and foetus until day 14 of gestation in the rat. Influence of the hydrocortisone acetate. Aranda P, et al. **Folia Morphol (Warsz)** 1985;44(3–4):241–8

Composition in N, Ca, P and Mg in the uterus, placenta and foetus from day 16 to day 21 of gestation in the rat. Influence of the hydrocortisone acetate. López-Jurado M, et al. **Folia Morphol (Warsz)** 1985;44(3–4):249–61

Copper and zinc concentrations in normal and malignant tissues of ovary, uterus and cervix. Jendryczko A, et al. **Ginekol Pol** 1985 Nov;56(11):677–81

IUD-associated radiate pseudocolony [letter] Schmidt WA. **Hum Pathol** 1986 May;17(5):534–5

Effect of estradiol on the amino acid-accepting activity of uterine tRNAs and their participation in protein synthesis. Lutz WH, et al. **J Biol Chem** 1986 Aug 25;261(24):11230–5

Uterine type II estrogen-binding sites are not of eosinophil origin. Markaverich BM, et al. **J Biol Chem** 1986 Jan 5; 261(1):142–6

Modulation of the estrogen receptor's affinity for DNA by estradiol. Skafar DF, et al. **J Biol Chem** 1985 Oct 5; 260(22):12208–13

Electrophoretic analysis of the estrogen receptor. Relationship of multiple receptor forms to the molybdate-stabilized form. Skipper JK, et al. **J Biol Chem** 1985 Nov 25;260(27):14636–41

Ultrastructural localization of the progesterone receptor by an immunogold method: effect of hormone administration. Perrot-Applanat M, et al. **J Cell Biol** 1986 Apr; 102(4):1191–9

Effects of oestradiol, the oestrous cycle and pregnancy on weight, metabolism and cytosol receptors in the uterus of the brush-tail possum (Trichosurus vulpecula). Curlewis JD, et al. **J Endocrinol** 1986 Feb;108(2):201–10

X-ray micro analyses of cations (Na, K, Ca) and anions (S, P, Cl) in uterine secretions during blastocyst implantation in the rat. Nilsson BO, et al. **J Exp Zool** 1985 Jun; 234(3):415–21

The effects of pregnancy and parturition on phosphorus metabolites in rat uterus studied by 31P nuclear magnetic resonance. Dawson MJ, et al. **J Physiol (Lond)** 1985 Nov; 368:19–31

Reversibility of the stabilization effect of sodium molybdate on uterine estrogen and progesterone receptors of the vervet monkey. Klein T, et al. **J Recept Res** 1985; 5(4):267–95

Proteins secreted by the sheep conceptus suppress induction of uterine prostaglandin F-2 alpha release by oestradiol and oxytocin. Fincher KB, et al. **J Reprod Fertil** 1986 Jan; 76(1):425–33

Uterine and embryonic metabolism after diapause in the tammar wallaby, Macropus eugenii. Shaw G, et al. **J Reprod Fertil** 1986 Jan;76(1):339–47

Uterine fluid volume. Cyclic variations and possible extrauterine contributions. Casslén B. **J Reprod Med** 1986 Jun;31(6):506–10

Hormone independent activation of rat uterine estrogen receptor by exposure of isolated uteri to anaerobic conditions. Bulger WH, et al. **J Steroid Biochem** 1986 Apr; 24(4):795–800

Interaction of the calf uterine estrogen receptor with acceptor sites in heterologous chicken target cell nuclei. de Boer W, et al. **J Steroid Biochem** 1986 Apr;24(4):825–33

Estrogen dependent induction of low affinity binding sites in the nuclear fraction of rat uterus. De Hertogh R, et al. **J Steroid Biochem** 1986 Jun;24(6):1171–7

Ion exchange, chromatofocusing and size exclusion high-performance liquid chromatography of the human uterine progesterone receptor. Holmes SD, et al. **J Steroid Biochem** 1985 Dec;23(6A):939–42

Steroid binding to the cytosolic estrogen receptor from rat uterus. Influence of the orientation of substituents in the 17-position of the 8 beta- and 8 alpha-series. Kaspar P, et al. **J Steroid Biochem** 1985 Sep;23(3):259–65

Immunohistochemical localization of estrogen receptor in rat brain, pituitary and uterus with monoclonal antibodies. Sar M, et al. **J Steroid Biochem** 1986 Feb;24(2):497–503

A method for the determination of estrogen receptor concentration in calf uterus and other tissues using an aqueous two-phase system. Södergård R. **J Steroid Biochem** 1986 Feb;24(2):597–605

Ribonuclease-induced transformation of progesterone receptor from rabbit uterus. Thomas T, et al. **J Steroid Biochem** 1986 Feb;24(2):505–11

Effect of estradiol and progesterone on the rate of incorporation of radiolabeled arachidonate into phospholipids and triglycerides of the rat uterus. Tóth M, et al. **J Steroid Biochem** 1986 Jun;24(6):1185–91

Regulation of estradiol and progesterone receptor concentrations in cat uteri following chronic progesterone administration. Verhage HG, et al. **J Steroid Biochem** 1986 Feb;24(2):587–90

Different interaction of estradiol and antiestrogens with the estrogen receptor of rat uterus. Faye JC, et al. **Mol Cell Endocrinol** 1986 Sep;47(1–2):119–24

Biochemical and autoradiographic analysis of specific 3H-estradiol binding by uterus of androgen-sterile rats. Orlov MM, et al. **Neurosci Behav Physiol** 1985 Sep–Oct; 15(5):423–7

Histochemical demonstration of a concomitant reduction in neural vasoactive intestinal polypeptide, acetylcholinesterase, and noradrenaline of cat uterus during pregnancy. Alm P, et al. **Neuroscience** 1986 Jul; 18(3):713–26

Estrogen receptor from human breast cancer and from normal human uterus: isolation and characterization of similar binding complexes. Bezwoda WR, et al. **Oncology** 1986;43(4):251–6

Prostaglandin concentrations in ovine maternal and fetal tissues at late gestation. Olson DM, et al. **Pediatr Res** 1986 Jan;20(1):83–6

Movement of oxygen, glucose, and lactate across the uterus of the awake near-term guinea pig. Peeters LL, et al. **Pediatr Res** 1986 Aug;20(8):730–4

Pregnancy related changes of opiate receptors identified in rat uterine membranes by 3H-naloxone binding. Baraldi M, et al. **Peptides** 1985 Sep–Oct;6(5):971–4

Different effects of prostaglandins E2 and F2 alpha on triglyceride levels in uterine smooth muscle from diabetic diestrous rats. Macciocchi EK, et al. **Prostaglandins Leukotrienes Med** 1985 Oct;20(1):99–109

Prostaglandin synthesis by rat uterine homogenates in the presence of copper ions, and the effects of indomethacin and salicylic acid. Peplow PV, et al. **Prostaglandins Leukotrienes Med** 1986 Jan;21(1):15–22

Release of prostaglandins E and F from rat uterine strips incubated in depolarizing and hyperpolarizing solutions. Rubiales de Barioglio S, et al. **Prostaglandins Leukotrienes Med** 1985 Nov;20(2):129–38

Effect of oxytocin on calcium movements in uterine smooth muscle. Batra S. **Regul Pept [Suppl]** 1985;4:78–81

[Effect of trichosanthin on progesterone, progesterone receptor and prostaglandin F2 alpha levels in pregnant rat uteri] Chu YH, et al. **Yao Hsueh Hsueh Pao** 1985 Apr; 20(4):262–6 (Eng. Abstr.) **(Chi)**

[Effects of estrone and 16, 17-pyrazoleestrone on estrogen receptor of the rat uterus] Wang NG, et al. **Yao Hsueh Hsueh Pao** 1986 Feb;21(2):98–101 (Eng. Abstr.) **(Chi)**

[The effect of ovarian steroids on the pharmacokinetics of Terguride in the rat uterus] Lidický J, et al. **Vet Med (Praha)** 1986 Jul;31(7):433–41 (Eng. Abstr.) **(Cze)**

[Studies on antimicrobial concentration of clindamycin phosphate in serum, pelvic dead space exudate, and pelvic organs/tissues] Obata T, et al. **Jpn J Antibiot** 1986 Feb; 39(2):317–25 (Eng. Abstr.) **(Jpn)**

[Significance of microtubule proteins and microfilaments of uterine tissue in pregnancy and labor] Hiraoka K, et al. **Nippon Heikatsukin Gakkai Zasshi** 1985 Aug;21(4):329–30 **(Jpn)**

[Comparative analysis of the interaction of various estrogens with the estrogen-receptor system of the uterus] Fanchenko ND, et al. **Biokhimiia** 1985 Nov;50(11):1853–8 (Eng. Abstr.) **(Rus)**

[Intracellular distribution of estradiol and estrogen binding sites in the uterus and oviducts of the green monkey (Cercopithecus griseus)] Alekseeva ML, et al. **Biull Eksp Biol Med** 1985 Oct;100(10):424–7 (Eng. Abstr.) **(Rus)**

[Nature of the recognition system of uterine cell plasma membranes for estradiol] Sulelmanov SSh, et al. **Farmakol Toksikol** 1985 Nov–Dec;48(6):58–61 (Eng. Abstr.) **(Rus)**

[Study of the effect of pH values of the uterine fluid on the Multiload Cu 250 intrauterine device] Sekulović D, et al. **Srp Arh Celok Lek** 1985 Jul;113(7):621–4 (Eng. Abstr.) **(Scc)**

MICROBIOLOGY

Delayed clearance from the murine uterus of gonococci enclosed in an artificial polysaccharide matrix. Jacques M, et al. **Exp Biol** 1986;45(4):317–21

[Bacterial flora in genital organs of women using intrauterine contraceptive devices of the Copper T-200 type] Mróz E, et al. **Wiad Lek** 1985 Jun 15;38(12):845–8 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Acute urinary retention secondary to an incarcerated gravid uterus. Nelson MS. **Am J Emerg Med** 1986 May;4(3):231–2

Endometriosis: clinical and pathologic findings in 70 rhesus monkeys. Fanton JW, et al. **Am J Vet Res** 1986 Jul; 47(7):1537–4.

Morphometric studies of the bovine uterus: microscopic lesions and retrospective reproductive history. Gonzalez HE, et al. **Am J Vet Res** 1985 Dec;46(12):2588–95

Ultrasound study of ovarian and uterine morphology in women with polycystic ovary syndrome before, during and after treatment with cyproterone acetate and ethinyloestradiol. Venturoli S, et al. **Arch Gynecol** 1985; 237(1):1–10

Hysterectomy after caesarean section: the treatment of last resort for serious infection. Tinga DJ. **East Afr Med J** 1986 May;63(5):362–4

A clinico–pathological evaluation of parametrial involvement of deep invasive carcinoma of the uterine cervix. Kishi Y, et al. **Eur J Gynaecol Oncol** 1986;7(1):18–27

Behavioural pattern of tumour cells in mouse uterus. Maharajan P, et al. **Gynecol Obstet Invest** 1986;21(1):32–9

Preventing cervical reflux of the distention medium during panoramic hysteroscopy. Gimpelson RJ. **J Reprod Med** 1986 Jul;31(7):592–4

Prognostic significance of squamous differentiation in stage I endometrial adenocarcinoma. Demopoulos RI, et al. **Obstet Gynecol** 1986 Aug;68(2):245–50

Malignant leiomyomatosis peritonealis disseminata. Rubin SC, et al. **Obstet Gynecol** 1986 Jul;68(1):126–30

Stage III carcinoma of cervix. The importance of increasing age and extent of parametrial infiltration. Benstead K, et al. **Radiother Oncol** 1986 Apr;5(4):271–6

[Uterine rupture. Reflections apropos of a spontaneous case in mid–pregnancy] Gautier C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(2):201–9 (Eng. Abstr.) (Fre)

[Euclidean distance as a measure of the degree of differentiation of cancer of the uterine body] Rowiński J, et al. **Patol Pol** 1985 Apr–Jun;36(2):153–67 (Eng. Abstr.) (Pol)

[Correlates of the histological features of cancer of the uterine body] Rowiński J, et al. **Patol Pol** 1985 Apr–Jun; 36(2):168–77 (Eng. Abstr.) (Pol)

[Value of the cytological method in the diagnosis of endometrial precancer and cancer] Kozbagarova RG, et al. **Lab Delo** 1985;(11):662–5 (Eng. Abstr.) (Rus)

[Proliferative mucosal changes of the corpus and cervix uteri in women using intrauterine contraceptives] Petrov IuA, et al. **Vopr Onkol** 1986;32(3):49–52 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Location of the angiogenic activity in the pregnant human uterus. Fuchs A, et al. **Acta Anat (Basel)** 1985; 124(3–4):241–4

Altered estrogen action in the senescent rat uterus: a model for steroid resistance during aging. Roth GS. **Adv Exp Med Biol** 1986;196:347–60 (43 ref.)

Correct use of Hegar's sign [letter] Speck G. **Am J Obstet Gynecol** 1986 Mar;154(3):691–2

Platelet–activating factor in normal rat uterus. Yasuda K, et al. **Biochem Biophys Res Commun** 1986 Aug 14; 138(3):1231–6

Motility characteristics of sperm from the uterus and oviducts of female mice after mating to congenic males differing in sperm transport and fertility. Olds–Clarke P. **Biol Reprod** 1986 Apr;34(3):453–67

Uterine adenylate cyclase in the rat: responses to a decidual–inducing stimulus. Sanders RB, et al. **Biol Reprod** 1986 Aug;35(1):100–5

Estrogen–induced increase in eosinophil number and peroxidase activity in uterus of genetically mast cell–deficient W/Wv mice. Terada N, et al. **Biol Reprod** 1985 Nov;33(4):899–901

Intrauterine position affects sex–accessory biochemistry in adult female mice. Wechman R Jr, et al. **Biol Reprod** 1985 Nov;33(4):803–7

Effect of intrauterine positions on fetal brain development in the rat. Zamenhof S, et al. **Brain Res** 1986 Aug 393(2):267–70

Temporal desensitization of rat uteri for the decidual cell reaction is abolished by cholera toxin acting by a mechanism apparently not involving adenosine 3'5'–cyclic monophosphate. Johnston ME, et al. **Can J Physiol Pharmacol** 1985 Sep;63(9):1052–6

Structure–desensitization relationships of angiotensin analogues in the rat isolated uterus. Moore GJ, et al. **Can J Physiol Pharmacol** 1985 Aug;63(8):966–71

Estrogen and progestin receptors in human uterus: reference ranges of clinical conditions. van der Walt LA, et al. **Clin Physiol Biochem** 1986;4(3):217–28

Intra–uterine pressure and serum ibuprofen: observations after oral administration of 400 mg ibuprofen to a patient with primary dysmenorrhoea. Milsom I, et al. **Eur J Clin Pharmacol** 1985;29(4):443–6

Effect of prolonged infusion of ritodrine on uteroplacental blood flow and cardiac output distribution in unanesthetized pregnant guinea pigs. van de Walle AF, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Apr; 21(4):253–60

Effects of free fatty acids and L–carnitine on the spontaneous motility of rat isolated uterine horn. Arduini D, et al. **Gynecol Obstet Invest** 1986;21(4):198–201

The role of the uterus in regulation of heat duration in cycling rats. Ahdieh HB, et al. **Horm Behav** 1985 Sep;19(3):292–303

Intrauterine contiguity influences regulatory activity in adult female and male mice. Kinsley C, et al. **Horm Behav** 1986 Mar;20(1):7–12

Interaction between phosphodiesterase active agents and acetylcholine using isolated rat uterus. Singh M, et al. **Indian J Exp Biol** 1986 Mar;24(3):185–8

Anovulation in postpartum suckled beef cows. I. Associations among size and numbers of ovarian follicles, uterine involution, and hormones in serum and follicular fluid. Spicer LJ, et al. **J Anim Sci** 1986 Mar;62(3):734–41

Fetal cardiovascular responses to asphyxia induced by decreased uterine perfusion. Cohn HE, et al. **J Dev Physiol** 1985 Oct;7(5):289–97

Embryonic axis orientation in the mouse and its correlation with blastocyst relationships to the uterus. II. Relationships from 4 1/4 to 9 1/2 days. Smith LJ. **J Embryol Exp Morphol** 1985 Oct;89:15–35

Colloidal carbon blocks oestrogen–induced migration of eosinophils to the uterus and the uterine water imbibition response. López M, et al. **J Endocrinol** 1986 Apr; 109(1):89–95

A model to show human uterine receptivity and embryo viability following ovarian stimulation for in vitro fertilization. Rogers PA, et al. **J In Vitro Fert Embryo Transfer** 1986 Apr;3(2):93–8

Bilateral distribution of implantation sites in small mammals of 22 North American species. Baird DD, et al. **J Reprod Fertil** 1985 Nov;75(2):381–92

Prostaglandin F–2 alpha is transferred from the uterus to the ovary in the sheep by lymphatic and blood vascular pathways. Heap RB, et al. **J Reprod Fertil** 1985 Jul; 74(2):645–56

Calcium channel, Ca++ mobilization, and mechanical reactivity of estrogen– and progesterone–treated rat uterus. Ishii K, et al. **Jpn J Pharmacol** 1986 May;41(1):47–54

Changes in action potential and beta–adrenergic effects of the circular muscle of postpartum rat uterus. Maruta K, et al. **Jpn J Physiol** 1985;35(4):567–79

A new data analyzing tocodynamometer and its suitability for clinical application. Furuya H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Oct; 37(10):2121–9

Influence of the increased uterine tonus on maternal hemodynamics. Hidaka A, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 May; 38(5):778–84

Hypothalamic nuclear progestin receptors and the duration of sexual receptivity in ovariectomized and ovariectomized–hysterectomized rats. Ahdieh HB, et al. **Physiol Behav** 1986;36(2):211–5

Influence of prostaglandin E2 on myoelectrical activity of the uterus and vagina in the domestic hen. Wechsung E, et al. **Poult Sci** 1985 Sep;64(9):1798–800

Blastocyst–uterus relationship in the Indian rhinopomatid, Rhinopoma hardwickei hardwickei (Gray). Karim KB. **Proc Clin Biol Res** 1986;217A:427–34

Uterine prostaglandin and blood flow responses to estradiol–17 beta in cyclic cattle. Knickerbocker JJ, et al. **Prostaglandins** 1986 Apr;31(4):757–76

Inhibition of uterine prostaglandin–F2 alpha production by bovine conceptus secretory proteins. Knickerbocker JJ, et al. **Prostaglandins** 1986 Apr;31(4):777–93

Plasma levels of 13,14–dihydro–15–keto prostaglandin F2 alpha, estrogens, and progesterone during stretch–induced labor at term. Manabe Y, et al. **Prostaglandins** 1985 Jul; 30(1):141–52

Decreased fibrinolytic activity in the rat uterus after laparotomy. Kjaeldgaard A, et al. **Res Exp Med (Berl)** 1985; 185(4):277–81

Evidence for the non–involvement of the uterus in the lifespan of the corpus luteum in the cyclic dog. Okkens AC, et al. **Vet Q** 1985 Jul;7(3):169–73

[Obstetrical mechanics. Intermediate stage and childbirth stage] Tourné CE. **J Gynecol Obstet Biol Reprod (Paris)** 1985;14(8):965–72 (Eng. Abstr.) (Fre)

[Labor induction by electrostimulation of the uterus] Khasin AZ, et al. **Akush Ginekol (Mosk)** 1985 Aug;(8):12–4 (Eng. Abstr.) (Rus)

[Monitoring using the "Express" apparatus in combined evaluation of the course of puerperium] Shevchukova NF. **Akush Ginekol (Mosk)** 1986 Jun;(6):69–70 (Rus)

[Physiologic properties of smooth muscle of the vagina and uterine cornua and cervix of the rabbit] Tsirkin VI. **Fiziol Zh** 1986 Jul–Aug;32(4):434–42 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Detection of preterm labor by ambulatory monitoring of uterine activity for the management of oral tocolysis. Katz M, et al. **Am J Obstet Gynecol** 1986 Jun;154(6):1253–6

Assessment of uterine activity in ambulatory patients at high risk of preterm labor and delivery. Katz M, et al. **Am J Obstet Gynecol** 1986 Jan;154(1):44–7

Uterine activity in myotonia dystrophica. Case report. Arulkumaran S, et al. **Br J Obstet Gynaecol** 1986 Jun; 93(6):634–6

Uterine fibrinolysis and unilateral insertion of devices in rats. Kjaeldgaard A. **Res Exp Med (Berl)** 1986;186(1):15–9

[Death during home childbirth caused by inversion of the uterus] Naumov VN. **Sud Med Ekspert** 1986 Apr–Jun; 29(2):57–8 (Rus)

RADIATION EFFECTS

Partial prevention of tritium induced uterine involution in mice by 2–mercaptopropionylglycine. Mathur SP, et al. **Acta Radiol [Oncol]** 1986 Jan–Feb;25(1):77–80

RADIONUCLIDE IMAGING

Indication and clinical application of radionuclide hysterosalpingography using 99mTc–pertechnetate. Rýznar V, et al. **Acta Univ Palacki Olomuc Fac Med** 1984; 107:185–93

Visualization of the uterus on evaluation of transplanted kidneys. Feldman N, et al. **Clin Nucl Med** 1986 Jan; 11(1):62–4

Normal uterine activity on a 99mTc–glucoheptonate renal scan. Krauth PH, et al. **Eur J Nucl Med** 1986;11(9):371–2

Uterine blush in multiphase bone imaging. Mandell GA, et al. **J Nucl Med** 1986 Jan;27(1):51–5

Uterine blush in multiphase imaging [letter] Segall GM, et al. **J Nucl Med** 1986 Sep;27(9):1500–1

SECRETION

Uterine fluid and prolactin secretion in the ovulating cynomolgus monkey. Ying YK, et al. **Am J Obstet Gynecol** 1986 Sep;155(3):677–80

Advancement of uterine secretion of prostaglandin E2 by treatment with progesterone and transfer of asynchronous embryos. Vincent DL, et al. **Endocrinology** 1986 Aug; 119(2):527–9

A simple method for the collection of human uterine flushing. Dawood MY, et al. **Fertil Steril** 1986 Jun;45(6):886–8

Isolation and characterization of a high molecular weight stable pink form of uteroferrin from uterine secretions and allantoic fluid of pigs. Baumbach GA, et al. **J Biol Chem** 1986 Sep 25;261(27):12869–78

Role of progesterone in regulating uteroovarian venous concentrations of PGF2 alpha and PGE2 during the estrous cycle and early pregnancy in ewes. Vincent DL, et al. **Prostaglandins** 1986 Apr;31(4):715–33

Opeonising ability of bovine uterine secretions during the oestrous cycle. Watson ED. **Vet Rec** 1985 Sep 14; 117(11):274–5

SURGERY

A comparative study on the suppression of peritoneal adhesion formation in the rat. Marais C, et al. **Acta Eur Fertil** 1985 Jul–Aug;16(4):267–71

Finger extension of transverse uterine incision [letter] Gerace JR. **Am J Obstet Gynecol** 1986 May;154(5):1168–9

In defense of the vertical uterine incision [letter] Goodlin RC. **Am J Obstet Gynecol** 1986 Apr;154(4):966–7

Pulsed CO2 laser versus conventional microsurgical anastomosis of the rat uterine horn. Badawy SZ, et al. **Fertil Steril** 1986 Jul;46(1):127–31

Comparison of electronically superpulsed and continuous–wave CO2 laser on the rat uterine horn [letter] Bellina JH. **Fertil Steril** 1986 Sep;46(3):533–4

Pregnancy following tubocornual anastomosis. Lavy G, et al. **Fertil Steril** 1986 Jul;46(1):21–5

Fatal pulmonary embolism occurring two hours after exteriorization of the uterus for repair following cesarean section. Stock RJ, et al. **Milit Med** 1985 Oct;150(10):549–51

Comparison between abdominal and hysteroscopic metroplasty. Fayez JA. **Obstet Gynecol** 1986 Sep; 68(3):399–403

Cervical carcinoma found incidentally in a uterus removed for benign indications. Heller PB, et al. **Obstet Gynecol** 1986 Feb;67(2):187–90

[Real time ultrasound in the diagnosis of false route during uterine curettage] Ben–Ami M, et al. **Harefuah** 1985 Jun 16;108(12):589–90 (Eng. Abstr.) (Heb)

[Surgical and conservative treatment of puerperal uterine inversion] Kisimre L, et al. **Orv Hetil** 1986 Mar 2; 127(9):531–2 (Eng. Abstr.) (Hun)

[Use of the laser in termino–terminal microanastomosis of the uterine horn in rats] Baffoni A, et al. **Minerva Ginecol** 1986 Mar;38(3):187–92 (Eng. Abstr.) (Ita)

[Metroplasty in our experience] De Meo I. **Minerva Ginecol** 1985 Jul–Aug;37(7–8):415–20 (Eng. Abstr.) (Ita)

[Surgical correction of developmental anomalies of the uterus] Bruchář D, et al. **Bratisl Lek Listy** 1986 May; 85(5):548–52 (Eng. Abstr.) (Slo)

TRANSPLANTATION

[Autologous microsurgical transposition of segments of the uterine horns in the rat] Pérez Peña E, et al. **Ginecol Obstet Mex** 1986 Feb;54:27–35 (Eng. Abstr.) (Spa)

ULTRASTRUCTURE

The epithelium of uterine biopsies from cyclic dairy cattle: ultrastructure and endocytotic activity. Hyttel P. **Acta Anat (Basel)** 1985;123(2):93–100

Cell surface of mouse blastocysts at the trophectoderm–uterine interface during the adhesive stage of implantation. Chávez DJ. **Am J Anat** 1986 Jun; 176(2):153–8

Regeneration of the uterine epithelium in later stages of pseudopregnancy in the rabbit. An ultrastructural study.

Busch LC, et al. **Anat Embryol (Berl)** 1986;174(1):97–104
Electron microscopy of the initial stages of placentation in the pig. Dantzer V. **Anat Embryol (Berl)** 1985;172(3):281–93
Penetration of the basal lamina of the uterine luminal epithelium during implantation in the rat. Schlafke S, et al. **Anat Rec** 1985 May;212(1):47–56
Cilia and ciliogenesis in endometrial adenocarcinomas. An ultrastructural analysis. Gould PR, et al.
Arch Pathol Lab Med 1986 Apr;110(4):326–30
Structure of a radiate pseudocolony associated with an intrauterine contraceptive device. O'Brien PK, et al.
Hum Pathol 1985 Nov;16(11):1153–6
Structure of the uterine luminal epithelium of the brush-tailed possum (Trichosurus vulpecula). Arnold R, et al.
J Reprod Fertil 1985 Jul;74(2):565–73
Stingray placental analogues: structure of trophonemata in Rhinoptera bonasus. Hamlett WC, et al.
J Submicrosc Cytol 1985 Oct;17(4):541–50

UTILITARIANISM see **ETHICS**

UTILIZATION AND QUALITY CONTROL PEER REVIEW ORGANIZATIONS see **PROFESSIONAL REVIEW ORGANIZATIONS**

UTILIZATION REVIEW

Industry looks at utilization review. Anderson J.
Ala J Med Sci 1985 Oct;22(4):403–7
The medical community looks at review. Murchison GC.
Ala J Med Sci 1985 Oct;22(4):407–9
Patterns of otolaryngologic surgery utilization in Syracuse, NY. Leopold DA, et al.
Arch Otolaryngol Head Neck Surg 1986 Jun;112(6):623–7
The nutritional management of obese patients—a utilisation review. Charlwood R, et al. **Aust Clin Rev** 1986 Mar; 6(20):49–52
Antibiotic cost-containment. Huckleberry SD.
Drug Intell Clin Pharm 1986 Jul–Aug;20(7–8):589–91
All-inclusive concurrent antibiotic usage review: a way to reduce misuse without formal controls. Heineman HS, et al. **Infect Control** 1986 Mar;7(3):168–71
The effect of regionalization upon the quality of trauma care as assessed by concurrent audit before and after institution of a trauma system: a preliminary report. Shackford SR, et al. **J Trauma** 1986 Sep;26(9):812–20
Multicentre trial of four strategies to reduce use of a radiological test. Fowkes FG, et al. **Lancet** 1986 Feb 15; 1(8477):367–70
Hospital utilization by health maintenance organizations. Separating apples from oranges. Mott PD. **Med Care** 1986 May;24(5):398–406
Integrating quality assurance, utilization review, and risk management activities for the small hospital. Katz PS.
QRB 1986 Mar;12(3):114–5
The analysis of clinical practices: shedding light on cost containment opportunities in medicine. Mushlin AI.
QRB 1985 Dec;11(12):378–84
[A study of utilization review in hospitals—focusing on medical statistics] Nishimura M, et al.
Sangyo Ika Daigaku Zasshi 1986 Mar 20;8 Suppl:401–16 (Eng. Abstr.) **(Jpn)**

METHODS

Reliability of a method of determining the necessity for hospitalization days in Israel. Rishpon S, et al.
Med Care 1986 Mar;24(3):279–82
Clinician-interactive computerized utilization review for mental health care. McCormick RA, et al. **QRB** 1986 Apr; 12(4):121–7

UTRICLE see **SACCULE AND UTRICLE**

UVEA

ABNORMALITIES

Colobomatous macrophthalmia with microcornea. Bateman JB, et al. **Ophthalmic Paediatr Genet** 1984 Aug;4(2):59–66

BLOOD SUPPLY

Permeability of uveal vessels after experimental filtering surgery in rabbits. Tsuchisaka H, et al.
Jpn J Ophthalmol 1985;29(3):263–71

ENZYMOLOGY

Tyrosinase activity in the uveal tissue of the adult bovine eye. Nakazawa M, et al. **Exp Eye Res** 1985 Aug; 41(2):249–58

IMMUNOLOGY

HLA-antigens in the human uvea. Bakker M, et al.
Doc Ophthalmol 1986 Jan 15;61(3–4):271–9

METABOLISM

Uveal effusion in Hunter's syndrome. Evidence that abnormal sclera is responsible for the uveal effusion syndrome. Vine AK. **Retina** 1986 Winter–Spring;6(1):57–60

PATHOLOGY

Human sympathetic ophthalmia. Immunologic analysis of the vitreous and uvea. Kaplan HJ, et al. **Arch Ophthalmol** 1986 Feb;104(2):240–4
Absence of degenerative changes in retinal and uveal capillary pericytes in diabetic rats. Tilton RG, et al.
Invest Ophthalmol Vis Sci 1986 May;27(5):716–21

UVEAL DISEASES

COMPLICATIONS

Gyrate atrophy of the choroid and retina: 15 Japanese patients. Hayasaka S, et al. **Br J Ophthalmol** 1986 Aug; 70(8):612–4
[Clinical picture and pathogenetic treatment of uveal glaucoma] Khriapchenkova MP, et al. **Oftalmol Zh** 1986; (3):166–9 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Ten years experience with choroidal angiography using indocyanine green dye: a new routine examination or an epilogue? Bischoff PM, et al. **Doc Ophthalmol** 1985 Sep 30;60(3):235–91
Fluorescein angiography in potential carriers for choroideremia. An additional aid for final diagnosis, when funduscopy shows equivocal symptoms. van Dorp DB, et al. **Ophthalmic Paediatr Genet** 1985 Feb;5(1–2):25–30

ETIOLOGY

Temporary visual loss with ciliary body detachment and hypotony after attempted YAG laser repair of failed filtering surgery. Prywes AS, et al. **Am J Ophthalmol** 1986 Mar 15;101(3):305–7
Clinicopathologic correlation of ocular and neurologic findings in AIDS: case report. Chang M, et al.
Ann Ophthalmol 1986 Mar;18(3):105–6, 110–1
Pseudo-ciliochoroidal detachment, an undescribed anterior segment postoperative complication. Neetens A, et al.
Bull Soc Belge Ophtalmol 1986;213:127–30
Spontaneous choroidal detachment and 'red-eyed shunt syndrome': two clinical entities with the same cause? Mazzeo V, et al. **Int Ophthalmol** 1985 Sep;8(3):129–38
Diagnosis and management of ocular complications of sickle hemoglobinopathies: Part IV. Cohen SB, et al.
Ophthalmic Surg 1986 May;17(5):312–5 cont'd
[Uveal effusion syndrome secondary to orbital cellulitis] Turut P, et al. **Bull Soc Ophtalmol Fr** 1985 Jan;85(1):41–5 (Eng. Abstr.) **(Fre)**
[Uveal effusion syndrome following trabeculectomy in a case of Sturge-Weber-Krabbe syndrome] Turut P, et al.
Bull Soc Ophtalmol Fr 1985 Jan;85(1):33–4, 37–9 (Eng. Abstr.) **(Fre)**

FAMILIAL & GENETIC

Electroretinographic findings in selected pedigrees with choroideremia. Sieving PA, et al. **Am J Ophthalmol** 1986 Mar 15;101(3):361–7
Tapetochoroidal degeneration combined with cataract and lentodonesis. Jaeger W, et al.
Ophthalmic Paediatr Genet 1985 Feb;5(1–2):19–23
Fluorescein angiography in potential carriers for choroideremia. An additional aid for final diagnosis, when funduscopy shows equivocal symptoms. van Dorp DB, et al. **Ophthalmic Paediatr Genet** 1985 Feb;5(1–2):25–30

PATHOLOGY

Circinate choroidal degeneration. Hayasaka S, et al.
Jpn J Ophthalmol 1985;29(3):301–4
Gyrate atrophy of the choroid and retina. A five-year follow-up of creatine supplementation. Vannas-Sulonen K, et al. **Ophthalmology** 1985 Dec;92(12):1719–27
[Angiomorphology of the ciliary body in diabetic disease] Morone G, et al. **J Fr Ophtalmol** 1985;8(8–9):555–8 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Visual evoked potential (VEP) delays in central serous choroidopathy. Sherman J, et al.
Invest Ophthalmol Vis Sci 1986 Feb;27(2):214–21

PREVENTION & CONTROL

[Prevention of ciliochoroidal detachment during antiglaucoma surgery] Ustinova EI. **Oftalmol Zh** 1985; (5):285–7 (Eng. Abstr.) **(Rus)**

SURGERY

Krypton laser—clinical trial and preliminary observations. Mody K, et al. **Indian J Ophthalmol** 1983;31 Suppl:1031–7

UVEAL NEOPLASMS

Metastatic uveal melanoma. Correlation between survival time and cytomorphometry of primary tumors. Donoso LA, et al. **Arch Ophthalmol** 1986 Jan;104(1):76–8
[Breast metastases from a malignant ocular melanoma] Christensen H. **Ugeskr Laeger** 1985 Jul 22;147(30):2386–7 (Eng. Abstr.) **(Dan)**

CHEMICALLY INDUCED

Induction of ocular neoplasms in Wistar rat by N-methyl-N-nitrosourea. Albert DM, et al.
Exp Eye Res 1986 Jan;42(1):83–6

COMPLICATIONS

Posterior uveal melanomas in aphakic and pseudophakic eyes. Pe'er J, et al. **Am J Ophthalmol** 1986 Apr 15;101(4):458–60
[Cogan-Reese syndrome: therapeutic difficulties (apropos of 2 cases)] Malan P, et al. **Bull Soc Ophtalmol Fr** 1984 Nov; 84(11):1219–23 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

A lesion mistaken for malignant melanoma of the posterior uvea: a case report. Sukumaran K, et al.
Med J Malaysia 1984 Dec;39(4):317–9
Malignant uveal melanoma and simulating lesions: MR imaging evaluation. Mafee MF, et al. **Radiology** 1986 Sep; 160(3):773–80
[Exudative annular cyclitis simulating malignant melanoma—apropos of a familial case report] Charlin JF, et al. **Bull Soc Ophtalmol Fr** 1984 Nov;84(11):1289–93 (Eng. Abstr.) **(Fre)**
[Clinical characteristics of uveal melanoma] Krawczykowa Z, et al. **Klin Oczna** 1985 Sep;87(9):359–61 (Eng. Abstr.) **(Pol)**
[Problems in the diagnosis of uveal malignant melanoma. Apropos of personal cases] Bozac E, et al.
Rev Chir [Oftalmol] 1986 Jan–Mar;30(1):21–7 (Eng. Abstr.) **(Rum)**

ENZYMOLOGY

Gamma-enolase activity in choroidal melanoma. Margo CE, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(4):374–6

ETIOLOGY

Malignant melanoma at the site of penetrating ocular trauma. el Baba F, et al. **Arch Ophthalmol** 1986 Mar;104(3):405–9

FAMILIAL & GENETIC

Loss of alleles at polymorphic loci on chromosome 2 in uveal melanoma. Mukai S, et al. **Cancer Genet Cytogenet** 1986 May;22(1):45–53

IMMUNOLOGY

Antigenic and cellular heterogeneity of primary uveal melanomas [letter] Folberg R. **Arch Ophthalmol** 1986 Jun; 104(6):795, 798–9
Monoclonal antibodies to human primary uveal melanomas demonstrate tumor heterogeneity. Damato BE, et al.
Invest Ophthalmol Vis Sci 1986 Sep;27(9):1362–7
[Reaction of leukocyte migration inhibition in patients with uveal melanoblastoma] Nifontova TP. **Vopr Onkol** 1986; 32(4):57–61 (Eng. Abstr.) **(Rus)**

MORTALITY

[Late observations on patients treated for intraocular melanoma] Krawczykowa Z, et al. **Klin Oczna** 1985 Nov; 87(11):444–6 (Eng. Abstr.) **(Pol)**
[Survival indices of patients with uveal melanoblastoma undergoing therapeutic photo- and laser coagulation] Vit VV, et al. **Oftalmol Zh** 1985;(7):403–7 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Malignant melanoma of the uvea in Iceland 1955–1979. Gislason I, et al. **Acta Ophthalmol (Copenh)** 1985 Aug; 63(4):389–94
Association between iris color and iris melanocytic lesions. Kliman GH, et al. **Am J Ophthalmol** 1985 Oct 15; 100(4):547–8

PATHOLOGY

Echographic and histologic tumor height measurements in uveal melanoma [letter] Coleman DJ. **Am J Ophthalmol** 1986 Jan 15;101(1):124–6
Lymphocyte subpopulations before therapy in patients with uveal malignant melanoma. Flynn K, et al.
Am J Ophthalmol 1986 Feb 15;101(2):160–3
Fine-needle aspirates of uveal melanomas and prognosis. Folberg R, et al. **Am J Ophthalmol** 1985 Nov 15; 100(5):654–7
Lymphocyte subpopulations in uveal malignant melanoma. Kaplan HJ. **Am J Ophthalmol** 1986 Apr 15;101(4):483–5
Balloon cell nevus of the iris. Margo CE, et al.
Am J Ophthalmol 1986 Aug 15;102(2):282–3
Prognostic factors in choroidal and ciliary body melanomas with extrascleral extension. Pach JM, et al.
Am J Ophthalmol 1986 Mar 15;101(3):325–31
Echographic and histologic tumor height measurements in uveal melanoma [letter] Seddon JM, et al.
Am J Ophthalmol 1986 Jan 15;101(1):126–8
Differentiation of adenoma of the iris pigment epithelium from iris cyst and melanoma. Shields CL, et al.
Am J Ophthalmol 1985 Nov 15;100(5):678–81
Hepatic metastasis and orbital recurrence of uveal melanoma after 42 years. Shields JA, et al. **Am J Ophthalmol** 1985 Nov 15;100(5):666–8

Orbital extension of uveal melanoma. Seiff SR, et al. **Ann Ophthalmol** 1986 May;18(5):171–3
Uveal melanoma: doubling time and mitotic index [letter] Juster RP, et al. **Arch Ophthalmol** 1986 Feb;104(2):174–5
The mathematics of melanoma volume [letter] O'Rourke J. **Arch Ophthalmol** 1986 Jul;104(7):973–5
Prognostic factor study of survival after enucleation for juxtapapillary melanomas. Weinhaus RS, et al. **Arch Ophthalmol** 1985 Nov;103(11):1673–7
Simultaneous bilateral primary diffuse malignant uveal melanoma: case report with pathological examination. Tsukahara S, et al. **Br J Ophthalmol** 1986 Jan;70(1):33–8
A clinically useful method for combining gross and microscopic measurements to select high-risk patients after enucleation for ciliochoroidal melanoma. Gamel JW, et al. **Cancer** 1986 Apr 1;57(7):1341–4
Flow cytometry of uveal melanomas. Shapiro BE, et al. **Cancer Biochem Biophys** 1986 Jul;8(3):235–8
Comparison of direct and microslide pathology measurements of uveal melanomas. Folberg R, et al. **Invest Ophthalmol Vis Sci** 1985 Dec;26(12):1788–91
Leukemic iris infiltration as the only site of relapse in a child with acute lymphoblastic leukemia: temporary remission with high-dose chemotherapy. Behrendt H, et al. **Med Pediatr Oncol** 1985;13(6):352–6
Malignant melanoma of the uveal tract—a review of the Auckland experience. Miller MV, et al. **Pathology** 1985 Apr;17(2):281–4
[Malignant teratoid medulloepithelioma of the ciliary body and glial fibrillary acidic protein. Clinical, histochemical and immunohistochemical findings] Holbach L, et al. **Klin Monatsbl Augenheilkd** 1985 Oct;187(4):282–6 (Eng. Abstr.) (Ger)
[Echographic findings in cyclitis annularis pseudotumorosa and ring melanoma of the ciliary body] Scherer U, et al. **Klin Monatsbl Augenheilkd** 1985 Nov;187(5):455–6 (Eng. Abstr.) (Ger)
[Changes in uveal melanoblastomas during therapeutic photocoagulation] Vit VV. **Arkh Patol** 1985;47(7):23–9 (Eng. Abstr.) (Rus)

RADIOGRAPHY

CT-scan and intraocular tumours: detection and assessment of size and extrascleral growth of uveal melanomas. de Keizer RJ, et al. **Doc Ophthalmol** 1986 Jan 15; 61(3–4):285–94

RADIOTHERAPY

The effects of pre-enucleation irradiation on the development of metastases from intraocular Greene melanoma in hamsters. Fournier GA, et al. **Am J Ophthalmol** 1985 Nov 15;100(5):669–77
Uveal melanoma necrosis after helium ion therapy. Goodman DF, et al. **Am J Ophthalmol** 1986 Jun 15;101(6):643–5
Correlation of visual field, treatment fields, and dose in helium ion irradiation of uveal melanoma. Meecham WJ, et al. **Am J Ophthalmol** 1985 Nov 15;100(5):658–65
Ciliochoroidal melanomas treated with a narrow medical proton beam. Brovkina AF, et al. **Arch Ophthalmol** 1986 Mar;104(3):402–4
Pathologic examination of ciliary body melanoma treated with proton beam irradiation. Ferry AP, et al. **Arch Ophthalmol** 1985 Dec;103(12):1849–53
Proton beam therapy of uveal melanomas [editorial] Gragoudas ES. **Arch Ophthalmol** 1986 Mar;104(3):349–51
Juvenile xanthogranuloma of the iris managed with superficial radiotherapy. MacLeod PM. **Clin Radiol** 1986 May;37(3):295–6
Complications of local beta radiation of uveal melanomas. Foerster MH, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(4):336–40
Prognostic factors for metastasis following proton beam irradiation of uveal melanomas. Gragoudas ES, et al. **Ophthalmology** 1986 May;93(5):675–80
Neovascular glaucoma after helium ion irradiation for uveal melanoma. Kim MK, et al. **Ophthalmology** 1986 Feb; 93(2):189–93
Visual outcome after proton beam irradiation of uveal melanoma. Seddon JM, et al. **Ophthalmology** 1986 May; 93(5):666–74
Progress in low-LET heavy particle therapy: intracranial and paracranial tumors and uveal melanomas. Austin-Seymour M, et al. **Radiat Res [Suppl]** 1985; 8:S219–26
Regression of uveal malignant melanomas following cobalt-60 plaque. Correlates between acoustic spectrum analysis and tumor regression. Coleman DJ, et al. **Retina** 1985 Spring-Summer;5(2):73–8
Proton therapy at Harvard. Munzenrider JE, et al. **Strahlentherapie** 1985 Dec;161(12):756–63
[A beta ray applicator (106Ru/106Rh) in the treatment of ciliary body melanomas] Ballin R, et al. **Klin Monatsbl Augenheilkd** 1985 Aug;187(2):144–6 (Eng. Abstr.) (Ger)
[Treatment of ciliochoroidal melanomas with a medical narrow proton beam] Brovkina AF, et al. **Vestn Oftalmol** 1986 May-Jun;102(3):30–3 (Eng. Abstr.) (Rus)

SECONDARY

Orbital and choroidal metastases from carcinoma of the male breast. Schlaen ND, et al. **Arch Ophthalmol** 1986 Sep; 104(9):1344–6
Presumed iris metastatic tumor: a case study. Bence BG. **J Am Optom Assoc** 1985 Nov;56(11):860–1

SURGERY

Argon laser treatment of a bleeding iris vascular tuft. Hagen AP, et al. **Am J Ophthalmol** 1986 Mar 15;101(3):379–80
A clinicopathologic case of cyclectomy for malignant melanoma of the ciliary body, complicated by total traction retinal detachment. Kremer I, et al. **Ann Ophthalmol** 1985 Sep;17(9):555–8
Malignant melanoma of the iris: recurrence after 19 years. Roth AM. **Ann Ophthalmol** 1985 Nov;17(11):720–3
Enucleation vs cobalt plaque radiotherapy for malignant melanomas of the choroid and ciliary body. Augsburger JJ, et al. **Arch Ophthalmol** 1986 May;104(5):655–61
Iris "melanomas". A retrospective clinical/pathological study of 11 cases (1971–1983). Lavin J, et al. **Bull Soc Belge Ophtalmol** 1984;211:85–9
Ab interno resection of uveal melanoma. Peyman GA, et al. **Int Ophthalmol** 1986 Apr;9(1):29–36
Telangiectatic hamartoma of the iris and ciliary body. García-Alix C, et al. **Ophthalmologica** 1985;191(4):250–3
Management of iris melanomas [letter] Silbert GR. **Surv Ophthalmol** 1986 Jan-Feb;30(4):278
[Technic and results of iridocyclectomy] Busse H, et al. **Klin Monatsbl Augenheilkd** 1986 Feb;188(2):108–11 (Eng. Abstr.) (Ger)
[Difficulties in the evaluation of melanoma recurrences following iridocyclectomy] Lommatzsch PK, et al. **Klin Monatsbl Augenheilkd** 1985 Aug;187(2):97–100 (Eng. Abstr.) (Ger)

THERAPY

[Metastasis in mice bearing experimental intraocular melanoma and inhibition of its metastasis with BCG] Yokoyama T. **Nippon Ganka Gakkai Zasshi** 1985 Sep; 89(9):1064–8 (Eng. Abstr.) (Jpn)

ULTRASTRUCTURE

Mesectodermal leiomyoma of the ciliary body. An ultrastructural study. Takagi T, et al. **Arch Ophthalmol** 1985 Nov;103(11):1711–4
Light microscopic and electron microscopic histopathology of an iris microhaemangioma. Meades KV, et al. **Br J Ophthalmol** 1986 Apr;70(4):290–4
Fine structure of tapioca melanoma of the iris. Haddad R, et al. **Doc Ophthalmol** 1985 Nov 15;61(2):157–65
Mesectodermal leiomyoma of the ciliary body extending into the anterior chamber. Orsoni JG, et al. **Ophthalmologica** 1985;191(2):127–9

VETERINARY

A xanthomatous lesion resembling balloon cell melanoma of the iris and ciliary body of a dog. Mays MB, et al. **J Comp Pathol** 1985 Apr;95(2):217–25
Malignant melanoma of the uvea in the dog. Dietz HH, et al. **Nord Vet Med** 1986 Mar-Apr;38(2):68–73
[Primary intraocular malignant melanomas in dogs and cats] Schäffer EH, et al. **Tierarztl Prax** 1985;13(3):343–59 (Eng. Abstr.) (Ger)

UVEITIS

[Inflammatory complications and anterior chamber implants after intracapsular extraction of the lens] Chauvaud D, et al. **J Fr Ophtalmol** 1985;8(5):405–9 (Eng. Abstr.) (Fre)
[Uveomeningoencephalitic syndrome] Aasen J, et al. **Tidsskr Nor Laegeforen** 1985 Nov 20;105(32):2300–1 (Eng. Abstr.) (Nor)

CEREBROSPINAL FLUID

[Surface marker studies of cerebrospinal fluid lymphocytes in Vogt-Koyanagi-Harada diseases] Okubo K, et al. **Nippon Ganka Gakkai Zasshi** 1985 Jun;89(6):726–32 (Eng. Abstr.) (Jpn)

CHEMICALLY INDUCED

Experimental uveitis in rabbits induced with BSA and horseradish peroxidase. Smečka Z, et al. **Acta Univ Palacki Olomuc Fac Med** 1984;106:139–44
Uveitis induction in the rabbit by muramyl dipeptides. Waters RV, et al. **Infect Immun** 1986 Mar;51(3):816–25

COMPLICATIONS

Hodgkin's disease and granulomatous uveitis. Mosteller MW, et al. **Ann Ophthalmol** 1985 Dec;17(12):787–90
Chronic myelomonocytic leukemia presenting as a keratouveitis. Wijetunga JG, et al. **Ann Ophthalmol** 1986 May;18(5):199–200
Vitreous changes in peripheral uveitis. Hirokawa H, et al. **Arch Ophthalmol** 1985 Nov;103(11):1704–7
HLA-Bw54 and glaucomatocyclitic crisis. Hirose S, et al. **Arch Ophthalmol** 1985 Dec;103(12):1837–9
Peripapillary subretinal neovascularization in peripheral uveitis. Arkfeld DF, et al. **Retina** 1985 Summer-Fall; 5(3):157–60
Cataract and uveitis management by pars plana lensectomy and vitrectomy by ultrasonic fragmentation. Girard LJ, et al. **Retina** 1985 Spring-Summer;5(2):107–14
Ultrasonic fragmentation of cataract in uveitis. Petrilli AM, et al. **Retina** 1986 Winter-Spring;6(1):61–5
Ocular complications in juvenile chronic arthritis (JCA). Galea P, et al. **Scott Med J** 1985 Jul;30(3):164–7
Acute psychiatric decompensation with sudden loss of vision [clinical conference] Freedland RJ, et al. **Surv Ophthalmol** 1985 Nov-Dec;30(3):182–8
[Macular involvement, an element of severity in peripheral uveitis] Boirret D, et al. **Bull Soc Ophtalmol Fr** 1985 Jun-Jul;85(6-7):705–9 (Eng. Abstr.) (Fre)
[Rarity of sclerodermic renal crisis in the Italian population and the uncommon nature of the Vogt-Koyanagi-Harada syndrome in systemic sclerosis (letter)] Giordano M, et al. **Presse Med** 1986 May 10;15(19):892 (Fre)
[Association of Vogt-Koyanagi disease, Gougerot-Sjögren syndrome and erythema nodosum (letter)] Gouet D, et al. **Presse Med** 1984 Mar 10;13(10):624 (Fre)
[Morphological study of uveitis-induced cataract] Kohara M, et al. **Nippon Ganka Gakkai Zasshi** 1985 Jun;89(6):740–8 (Eng. Abstr.) (Jpn)
[Diagnosis of pulmonary sarcoidosis in uveitis patients with normal chest roentgenograms—studies by bronchoalveolar lavage] Sugimoto M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Sep; 23(9):1024–9 (Eng. Abstr.) (Jpn)
[Simultaneous lensectomy and vitrectomy in the treatment of complications of uveitis in children] Kornacki B, et al. **Klin Oczna** 1985 Aug;87(8):327–9 (Eng. Abstr.) (Pol)

DIAGNOSIS

Vogt-Koyanagi-Harada syndrome. A case report. Iversen TH, et al. **Acta Ophthalmol (Copenh)** 1986 Apr;64(2):235–8
Uveitis: many diseases, one diagnosis. Rosenbaum JT, et al. **Am J Med** 1985 Nov;79(5):545–7 (21 ref.)
The practical work-up of the uveitis patient. Coles RS. **Can J Ophthalmol** 1985 Aug;20(5):166–70
Lymphoma simulating uveitis (masquerade syndrome). Corriveau C, et al. **Can J Ophthalmol** 1986 Jun;21(4):144–9
[Exudative annular cyclitis simulating malignant melanoma—apropos of a familial case report] Charlin JF, et al. **Bull Soc Ophtalmol Fr** 1984 Nov;84(11):1289–93 (Eng. Abstr.) (Fre)
[Physiopathology of uveitis: the place of the dental examination] Bloch-Michel E. **Rev Stomatol Chir Maxillofac** 1985;86(6):389–91 (Eng. Abstr.) (Fre)
[A statistic study of uveitis with nodular infiltrations at the chamber angle] Okinami S, et al. **Nippon Ganka Gakkai Zasshi** 1985 Aug;89(8):895–900 (Eng. Abstr.) (Jpn)
[Harada's syndrome] Nižankowska H, et al. **Klin Oczna** 1985 Sep;87(9):383–5 (Eng. Abstr.) (Pol)
[Differential clinico-laboratory diagnosis of enterovirus and other uveitis in young children] Khvatova AV, et al. **Oftalmol Zh** 1986;(2):76–9 (Eng. Abstr.) (Rus)
[Clinical features of neisserian uveitis] Naritsyna NI. **Oftalmol Zh** 1986;(2):82–4 (Rus)
[Predicting the course of uveitis using radionuclides] Shambra VV. **Oftalmol Zh** 1986;(2):87–90 (Eng. Abstr.) (Rus)
[Enterovirus uveitis in children. Results of 5 years' observations] Shatilova RI, et al. **Oftalmol Zh** 1986; (2):79–82 (Eng. Abstr.) (Rus)
[Basic principles for the diagnosis and treatment of patients with endogenous uveitis] Shpak NI, et al. **Oftalmol Zh** 1986; (2):65–7 (Eng. Abstr.) (Rus)
[Clinical features of complicated experimental uveitis caused by enteroviruses in monkeys] Takhchidi KhP, et al. **Oftalmol Zh** 1986;(2):118–20 (Eng. Abstr.) (Rus)
[Clinico-biochemical changes in endogenous uveitis] Ustimenko LL, et al. **Oftalmol Zh** 1986;(2):68–70 (Eng. Abstr.) (Rus)

DRUG THERAPY

The treatment of presumed non-infective uveitis with cyclosporin A. Nissen C, et al. **Acta Ophthalmol [Suppl] (Copenh)** 1985;173:72–3
Immunosuppressive therapy of experimental uveitis. Smečka Z, et al. **Acta Univ Palacki Olomuc Fac Med** 1984;107:171–7
The effect of corticosteroids on experimental uveitis. Smečka Z, et al. **Acta Univ Palacki Olomuc Fac Med** 1984; 107:179–84
Local cyclosporine therapy for experimental autoimmune uveitis in rats. Nussenblatt RB, et al. **Arch Ophthalmol** 1985 Oct;103(10):1559–62
Effect of iron chelation on severity of ocular inflammation in an animal model. Rao NA, et al. **Arch Ophthalmol** 1986 Sep;104(9):1369–71
Is primary chronic uveitis responsive to treatment with nonsteroidal antiinflammatory drugs? [letter] Astorga GP, et al. **Arthritis Rheum** 1985 Nov;28(11):1317
Long-term cytogenetic follow-up study of patients with uveitis treated with chlorambucil. Reeves BR, et al. **Carcinogenesis** 1985 Nov;6(11):1615–9
Renal histopathologic alterations in patients treated with cyclosporine for uveitis. Palestine AG, et al. **N Engl J Med** 1986 May 15;314(20):1293–8
Modulation of lens-induced uveitis by superoxide dismutase. Rao NA, et al. **Ophthalmic Res** 1986;18(1):41–6

[Treatment of uveitis and chorioretinitis by the subconjunctival administration of betamethasone] Smažinka V, et al. **Cesk Oftalmol** 1986 May;42(3):207–9 (Eng. Abstr.) (Cze)

[Treatment of noninfectious posterior uveitis with a new immunomodulator, cyclosporin A: initial results] Le Hoang P, et al. **Bull Soc Ophtalmol Fr** 1[illegible] Aug–Sep;85(8–9):873–6 (Eng. Abstr.) (Fre)

[Effects of chromocarb diethylamine and prednisolone in experimental uveitis induced by clove oil in rabbits] Lapalus P, et al. **J Fr Ophtalmol** 1986;9(2):123–6 (Eng. Abstr.) (Fre)

[Treatment of posterior uveitis with cyclosporin or prednisolone—one-year report of a randomized prospective study] Wiederholt M, et al. **Fortschr Ophthalmol** 1986;83(3):348–52 (Eng. Abstr.) (Ger)

[Cyclosporin treatment in uveitis] Quentin CD, et al. **Klin Monatsbl Augenheilkd** 1986 Mar;188(3):248–50 (Eng. Abstr.) (Ger)

[Effect of treatment on the Sabin–Feldman test in ocular toxoplasmosis] Ziobrowski S. **Klin Oczna** 1985 Aug; 87(8):324–6 (Eng. Abstr.) (Pol)

[Comparative efficacy of the complex treatment of tuberculous uveitis] Shkromida MI, et al. **Oftalmol Zh** 1986; (2):90–2 (Eng. Abstr.) (Rus)

ETIOLOGY

Uveitis: many diseases, one diagnosis [letter] MacMillan IC. **Am J Med** 1986 Jul;81(1):185–6

Ocular complications of neuro-syphilis. Neetens A, et al. **Bull Soc Belge Ophtalmol** 1986;213:83–6

Induction of experimental autoimmune uveoretinitis and pinealitis by IRBP. Comparison to uveoretinitis induced by S-antigen and opsin. Broekhuyse RM, et al. **Curr Eye Res** 1986 Mar;5(3):231–40

HLA antigens and their significance in the pathogenesis of anterior uveitis: a mini review. Wakefield D, et al. **Curr Eye Res** 1986 Jun;5(6):465–73 (59 ref.)

Uveoretinitis and pinealitis induced by immunization with interphotoreceptor retinoid-binding protein. Gery I, et al. **Invest Ophthalmol Vis Sci** 1986 Aug;27(8):1296–300

Uveitis and arthritis induced by systemic injection of streptococcal cell walls. Wells A, et al. **Invest Ophthalmol Vis Sci** 1986 Jun;27(6):921–5

Diagnosis and surgical management of phacoanaphylactic uveitis following extracapsular cataract extraction with intraocular lens implantation. Abrahams IW. **J Am Intraocul Implant Soc** 1985 Sep;11(5):444–7

Childhood sarcoidosis manifesting as juvenile rheumatoid arthritis. Lindsley CB, et al. **Pediatrics** 1985 Nov; 76(5):765–3

Subretinal nematode. An unusual etiology for uveitis and retinal detachment. Goodart RA, et al. **Retina** 1985 Spring–Summer;5(2):87–90

[Allergic uveitis] Verin P. **Bull Soc Ophtalmol Fr** 1984 Oct; 84(10):1081–2 (Fre)

[Ocular manifestations of leptospirosis: methods of diagnosis, surveillance and treatment] Popa DP, et al. **Rev Chir [Oftalmol]** 1986 Jan–Mar;30(1):11–6 (Eng. Abstr.) (Rum)

[Sympathetic reaction against a background of complicating factors in the post-traumatic period] Cerikchi LE. **Oftalmol Zh** 1986;(1):38–41 (Eng. Abstr.) (Rus)

[Role of specific hemagglutinating antibodies in the pathogenesis of tuberculous uveitis] Zaĭtseva NS, et al. **Oftalmol Zh** 1986;(2):73–6 (Eng. Abstr.) (Rus)

[Papulous uveoretinitis in a female patient with secondary recurrent syphilis] Omarov IM, et al. **Vestn Dermatol Venerol** 1986;(1):72–4 (Eng. Abstr.) (Rus)

[A case of glaucomocyclitic crisis associated with primary glaucoma] Lukova NB, et al. **Vestn Oftalmol** 1986 Mar–Apr;102(2):71–2 (Rus)

[Autoimmune uveitis. I. Immunochemical properties of the soluble fractions of bovine retina] Berra A, et al. **Allergol Immunopathol (Madr)** 1985 Sep–Oct;13(5):383–91 (Eng. Abstr.) (Spa)

[Toxoplasmosis. II. Aspects relating to ocular disorders] Machín R, et al. **Rev Cubana Med Trop** 1984 Sep–Dec; 36(3):305–14 (Eng. Abstr.) (Spa)

FAMILIAL & GENETIC

[Genetic aspects in hypertensive uveitis] Călugăru M. **J Fr Ophtalmol** 1986;9(2):115–21 (Eng. Abstr.) (Fre)

IMMUNOLOGY

Changes in the concentration of secretory immunoglobulin A in tears during post-operative inflammation of the eye. Sand B, et al. **Acta Ophthalmol (Copenh)** 1986 Apr; 64(2):212–5

HLA-DR antigens on retinal pigment epithelial cells from patients with uveitis. Chan CC, et al. **Arch Ophthalmol** 1986 May;104(5):725–9

Retina S antigen-induced uveitis. The efficacy of cyclosporine and corticosteroids in treatment. Striph G, et al. **Arch Ophthalmol** 1986 Jan;104(1):114–7

Serum autoantibodies and uveitis. Murray P. **Br J Ophthalmol** 1986 Apr;70(4):266–8

Complement activation in uveitis. Vergani S, et al. **Br J Ophthalmol** 1986 Jan;70(1):60–3

Kinetics of T-lymphocyte subsets in the eyes of Lewis rats with experimental autoimmune uveitis. Chan CC, et al. **Cell Immunol** 1985 Dec;96(2):430–4

The effects of pertussis toxin on the induction and transfer of experimental autoimmune uveoretinitis. McAllister CG, et al. **Clin Immunol Immunopathol** 1986 May;39(2):329–36

Expression of Ia antigen on retinal pigment epithelium in experimental autoimmune uveoretinitis. Chan CC, et al. **Curr Eye Res** 1986 Apr;5(4):325–30

Inhibition of experimental autoimmune uveoretinitis in rats by S-antigen-specific monoclonal antibodies. De Kozak Y, et al. **Eur J Immunol** 1985 Nov;15(11):1107–11

Spondyloarthritis, uveitis, HLA-B27 and Klebsiella. Ebringer A, et al. **Immunol Rev** 1985 Aug;86:101–16

Induction of experimental autoimmune uveoretinitis by T-cell lines. Rozenszajn LA, et al. **Immunology** 1986 Apr; 57(4):559–65

Lymphocyte migration in the adoptive transfer of EAU. Palestine AG, et al. **Invest Ophthalmol Vis Sci** 1986 Apr; 27(4):611–5

Surface markers of peripheral blood lymphocytes in Vogt–Koyanagi–Harada disease. Okubo K, et al. **J Clin Lab Immunol** 1985 May;17(1):49–52

T cell lines mediating experimental autoimmune uveoretinitis (EAU) in the rat. Caspi RR, et al. **J Immunol** 1986 Feb 1;136(3):928–33

S-antigen-specific rat T cell lines recognize peptide fragments of S-antigen and mediate experimental autoimmune uveoretinitis and pinealitis. Gregerson DS, et al. **J Immunol** 1986 Apr 15;136(8):2875–82

Epstein–Barr virus-related antibody pattern in uveitis. Sunakawa M, et al. **Jpn J Ophthalmol** 1985;29(4):423–8

Uveitis with allergy to candidin. Bloch-Michel E, et al. **Ophthalmologica** 1985;191(2):102–6

Anti-retinal auto-antibodies in Vogt–Koyanagi–Harada syndrome, Behcet's disease, and sympathetic ophthalmia. Chan CC, et al. **Ophthalmology** 1985 Aug;92(8):1025–8

Experimental autoimmunity. Nussenblatt RB, et al. **Prog Allergy** 1986;38:159–80

[Experimental studies on non-granulomatous uveitis induced by immune complex] Zhang XF. **Chung Hua Yen Ko Tsa Chih** 1985 Jul;21(4):238–41 (Chi)

[T and B lymphocytes in aqueous humor and peripheral blood in patients with uveitis] Smečka Z, et al. **Cesk Oftalmol** 1986 Feb;42(1):39–42 (Eng. Abstr.) (Cze)

[Lymphocyte subsets of the peripheral blood in experimental autoimmune uveoretinitis] Takamura K, et al. **Nippon Ganka Gakkai Zasshi** 1986 Feb;90(2):248–54 (Eng. Abstr.) (Jpn)

[Lymphocyte subsets in sarcoid uveitis patients with and without systemic manifestations] Tanihara H, et al. **Nippon Ganka Gakkai Zasshi** 1986 Jun;90(6):803–7 (Eng. Abstr.) (Jpn)

[Evaluation of lymphocyte subsets in patients with sarcoid uveitis] Zhan Y, et al. **Nippon Ganka Gakkai Zasshi** 1986 Mar;90(3):493–7 (Eng. Abstr.) (Jpn)

[Lymphocyte subsets in peripheral blood and cerebrospinal fluid in Vogt–Koyanagi–Harada disease] Kuwasaki N, et al. **Rinsho Shinkeigaku** 1985 Aug;25(8):956–9 (Eng. Abstr.) (Jpn)

[Immunologic reactivity of patients with recurrent uveitis treated surgically] Lazarenko LF, et al. **Oftalmol Zh** 1985; (7):417–20 (Eng. Abstr.) (Rus)

[Immunologic reactivity in patients with peripheral uveitis] Pen'kov MA, et al. **Oftalmol Zh** 1986;(2):70–3 (Eng. Abstr.) (Rus)

[Autoallergic reactions to retinal S-antigen in various clinical forms of uveitis] Zaĭtseva NS, et al. **Vestn Oftalmol** 1986 Jan–Feb;102(1):36–9 (Eng. Abstr.) (Rus)

[Circulating immunocomplexes in uveitis] Némethová L, et al. **Cesk Oftalmol** 1985 Sep;41(5):334–8 (Eng. Abstr.) (Slo)

METABOLISM

Leukotrienes in the aqueous humor of patients with uveitis. Parker JA, et al. **Arch Ophthalmol** 1986 May;104(5):722–4

[Changes in the levels of endogenous glucocorticoids in endotoxic uveitis] Obenberger J, et al. **Cesk Oftalmol** 1986 Feb;42(1):29–38 (Eng. Abstr.) (Cze)

[Dynamics of radioactive phosphorus accumulation in normal paired eyes and in toxic allergic uveitis] Panfilova GV, et al. **Oftalmol Zh** 1985;(4):231–3 (Eng. Abstr.) (Rus)

OCCURRENCE

Ophthalmology in China. Endogenous uveitis in a Chinese ophthalmological clinic. Abrahams IW, et al. **Arch Ophthalmol** 1986 Mar;104(3):444–6

PATHOLOGY

Immunohistochemistry and electron microscopy of cyclitic membrane. Report of a case. Chan CC, et al. **Arch Ophthalmol** 1986 Jul;104(7):1040–5

Lymphocyte subpopulations in uveitis. Deschênes J, et al. **Arch Ophthalmol** 1986 Feb;104(2):233–6

Ultrastructural analysis of experimental allergic uveitis in rabbit. Rao NA, et al. **Ophthalmic Res** 1986;18(1):15–20

[Clinical immunopathology of phacoanaphylactic uveitis] Liu SB. **Chung Hua Yen Ko Tsa Chih** 1985 Jul;21(4):211–3 (Chi)

[Echographic findings in cyclitis annularis pseudotumorosa and ring melanoma of the ciliary body] Scherer U, et al. **Klin Monatsbl Augenheilkd** 1985 Nov;187(5):455–6 (Eng. Abstr.) (Ger)

[Peripheral proliferative vitreoretinopathy in intermediary uveitis] Slezak H. **Klin Monatsbl Augenheilkd** 1986 Feb; 188(2):95–6 (Eng. Abstr.) (Ger)

[Septic uveitis of streptococcal origin; comments on 2 cases] Stefănescu-Dima A. **Rev Chir [Oftalmol]** 1985 Oct–Dec; 29(4):307–11 (Eng. Abstr.) (Rum)

[Pathomorphology of uveitis caused by an echovirus] Erman BA, et al. **Arkh Patol** 1985;47(8):32–9 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

The effect of corticosteroids or nitrogen mustard on aqueous humor chemotactic activity induced by intravitreal endotoxin. Rosenbaum JT, et al. **Clin Immunol Immunopathol** 1986 Jun;39(3):414–20

Electrophysiological studies on Kiriŝawa type uveitis (acute retinal necrosis). Yamamoto S, et al. **Doc Ophthalmol** 1985 Aug 15;60(1):93–100

Laser interferometry and visual prognosis in uveitis. Palestine AG, et al. **Ophthalmology** 1985 Nov;92(11):1567–9

[Choriocapillary occlusion and uveitis] Lacaule F, et al. **Bull Soc Ophtalmol Fr** 1985 Feb;85(2):247–52 (Fre)

PREVENTION & CONTROL

Prevention of autoimmune uveitis by competitive immunization with bovine gamma globulin. McMaster PR, et al. **Ann Ophthalmol** 1985 Dec;17(12):779–83

Sodium hyaluronate in perspective: experiences from a four-year clinical trial. Percival SP. **Trans Ophthalmol Soc UK** 1985;104 (Pt 6):616–20

SURGERY

[Results of using the closed vitrectomy technic in the surgical treatment of chronic uveitis and its complications] Glinchuk IaI, et al. **Oftalmol Zh** 1986;(2):84–7 (Eng. Abstr.) (Rus)

THERAPY

Why did fever therapy work [letter] Heath WD. **Arch Ophthalmol** 1985 Oct;103(10):1457

Fox shield treatment of the UGH syndrome. Berger RO. **J Cataract Refract Surg** 1986 Jul;12(4):419–21

VETERINARY

Studies on equine recurrent uveitis. I: Levels of immunoglobulin and albumin in the aqueous humor of horses with and without intraocular disease. Halliwell RE, et al. **Curr Eye Res** 1985 Oct;4(10):1023–31

Studies on equine recurrent uveitis. II: The role of infection with Leptospira interrogans serovar pomona. Halliwell RE, et al. **Curr Eye Res** 1985 Oct;4(10):1033–40

Uveodermatological syndrome in the Japanese akita [letter] Bedford PG. **Vet Rec** 1986 Feb 1;118(5):134

UVEITIS, ANTERIOR

[Artificial lenses and Fuchs' syndrome] Turut P, et al. **Bull Soc Ophtalmol Fr** 1984 Oct;84(10):1147–8, 1151–3 (Eng. Abstr.) (Fre)

COMPLICATIONS

The relationship between ocular and articular disease activity in children with juvenile rheumatoid arthritis and associated uveitis. Rosenberg AM, et al. **Arthritis Rheum** 1986 Jun;29(6):797–800

Anterior uveitis associated with septic staphylococcal scarlet fever [letter] Barson WJ. **Pediatr Infect Dis** 1986 May–Jun; 5(3):385–6

[Apropos of a case of chronic eosinophilic pneumonia associated with iridocyclitis and bronchial asthma] San José J, et al. **Allergol Immunopathol (Madr)** 1985 Nov–Dec; 13(6):525–30 (Eng. Abstr.) (Spa)

DRUG THERAPY

Endogenous iridocyclitis relieved during treatment with bromocriptine. Hedner LP, et al. **Am J Ophthalmol** 1985 Oct 15;100(4):618–9

Methylprednisolone pulse therapy in severe anterior uveitis. Wakefield D. **Aust N Z J Ophthalmol** 1985 Nov;13(4):411–5

Pirprofen in acute ocular inflammation: a controlled study. Saggio F, et al. **Curr Med Res Opin** 1985;9(10):697–700

Chlorambucil in the treatment of intractable Uveitis associated with juvenile chronic arthritis. Palmer RG, et al. **J Rheumatol** 1985 Oct;12(5):967–70

ETIOLOGY

Clinical manifestations of iridocyclitis in leprosy. Suryawanshi N. **Indian J Lepr** 1985 Jul–Sep;57(3):549–55

Hypopyon-iridocyclitis as a complication of pustular psoriasis [letter] Hatchome N, et al. **J Am Acad Dermatol** 1985 Nov;13(5 Pt 1):828–9

Anterior uveitis, a presenting symptom in acute interstitial nephritis. Gafter U, et al. **Nephron** 1986;42(3):249–51

[Atypical ophthalmologic manifestations of Horton's disease: anterior segmentitis and bulbar pseudoconjunctivitis] Karsenti G, et al. **Bull Soc Ophtalmol Fr** 1985 May;

85(5):581–3 (Fre)
[Ocular manifestations in chronic atrophic polychondritis. Apropos of a case report] Lec MH, et al. **Bull Soc Ophtalmol Fr** 1985 Jan;85(1):117–24 (Eng. Abstr.) (Fre)
[Fuchs' syndrome and cicatrix of toxoplasma chorioretinitis. Pathogenetic discussion] Sarsux H, et al. **Bull Soc Ophtalmol Fr** 1985 Aug–Sep;85(8–9):959–62 (Fre)
[An etiology of anterior segment diseases not to be ignored: leprosy] Travers C, et al. **Bull Soc Ophtalmol Fr** 1985 Aug–Sep;85(8–9):859–60 (Eng. Abstr.) (Fre)
[Uveitis of aspergillar origin] Verin P, et al. **Bull Soc Ophtalmol Fr** 1985 Feb;85(2):243–5 (Fre)
[The Posner–Schlossmann syndrome and allergy] Demailly P, et al. **J Fr Ophtalmol** 1985;8(12):773–7 (Eng. Abstr.) (Fre)
[Mumps uveitis] Sanchez I. **Rev Chir [Oftalmol]** 1986 Apr–Jun;30(2):115–8 (Eng. Abstr.) (Rum)

IMMUNOLOGY

HLA antigens in Fuchs' heterochromic iridocyclitis. De Bruyere M, et al. **Am J Ophthalmol** 1986 Sep 15; 102(3):392–3
Rheumatoid arthritis, juvenile arthritis, iridocyclitis and the Epstein–Barr virus. Gear AJ, et al. **Ann Rheum Dis** 1986 Jan;45(1):6–8
IgG and IgA immune response against klebsiella in HLA–B27–associated anterior uveitis. Kijlstra A, et al. **Br J Ophthalmol** 1986 Feb;70(2):85–8
Decreased chemiluminescent associat..: phagocytic response of peripheral blood mononuclear cells to Chlamydia trachomatis in patients with HLA–B27+ anterior uveitis. Wakefield D, et al. **Br J Rheumatol** 1985 Nov;24(4):332–9
Immunoglobulin allotypes in patients with ankylosing spondylitis, Reiter's syndrome and acute anterior uveitis. Russell AS, et al. **J Rheumatol** 1985 Jun;12(3):523–5
Immunopathogenesis of acute lepromatous uveitis: a case report. Murray PI, et al. **Lepr Rev** 1986 Jun;57(2):163–8
Antibodies to oral mucosa in patients with ocular Behcet's disease. Michelson JB, et al. **Ophthalmology** 1985 Sep; 92(9):1277–81
[Acute anterior uveitis, antigen HLA–B27 and inflammatory rheumatism] Mladenović V, et al. **Srp Arh Celok Lek** 1984 Nov–Dec;112(11–12):1125–34 (Eng. Abstr.) (Sce)
[Circulating immunocomplexes in uveitis] Némethová L, et al. **Cesk Oftalmol** 1985 Sep;41(5):334–8 (Eng. Abstr.) (Slo)

PATHOLOGY

Glaucomatocyclitic crises (Posner–Schlossman syndrome). A case report. Harstad HK, et al. **Acta Ophthalmol (Copenh)** 1986 Apr;64(2):146–51

PREVENTION & CONTROL

The effect of naproxen on the ocular inflammatory response following extracapsular lens extraction in rabbits. Pritchett PM, et al. **Acta Ophthalmol (Copenh)** 1985 Oct;63(5):519–24

SURGERY

Disappearance of keratic precipitates after intraocular surgery. Hemo I, et al. **Ophthalmic Surg** 1985 Aug; 16(8):503–4

THERAPY

Hyphema following Honan balloon use in Fuchs' heterochromic iridocyclitis [letter] Feldman ST, et al. **Arch Ophthalmol** 1986 Jul;104(7):967

VETERINARY

[Periodic uveitis in horses] van der Velden MA, et al. **Tijdschr Diergeneeskd** 1985 Oct 1;110(19):771–5 (Eng. Abstr.) (Dut)

UVEOMENINGOENCEPHALITIC SYNDROME see under **UVEITIS**

UVEOPAROTID FEVER see under **SARCOIDOSIS**

UVULA

Acute uvulitis and epiglottitis [letter] Schwartz RH. **Arch Otolaryngol Head Neck Surg** 1986 Jul;112(7):784
Acute uvulitis associated with epiglottitis. Westerman EL, et al. **Arch Otolaryngol Head Neck Surg** 1986 Apr; 112(4):448–9

ABNORMALITIES

Cleft uvula. Bagatin M. **Acta Chir Plast** 1985;27(4):202–6

PATHOLOGY

Multiple, shallow, circinate mucosal erosions on the soft palate and base of uvula. Warnock GR, et al. **J Am Dent Assoc** 1986 Apr;112(4):523–4

SURGERY

Uvulopalatopharyngoplasty, (UPPP), an effective surgical treatment for cases of snoring and some cases of sleep apnea. Beal DD. **Alaska Med** 1985 Oct–Dec;27(4):90–1
Uvulopalatopharyngoplasty. Alternative surgery for obstructive sleep apnea. Galczak S. **AORN J** 1986 Jul; 44(1):33–41
Uvulectomy and uvular sound. Ijaduola GT, et al. **East Afr Med J** 1984 Jun;61(6):490–2
Popular, yes, but jury still out on apnea surgery [news] Raymond CA. **JAMA** 1986 Jul 25;256(4):439–41
Uvulopalatopharyngoplasty: a comparison of two techniques. Kimmelman CP, et al. **Laryngoscope** 1985 Dec; 95(12):1488–90
Accurate measurement of soft palate resection during uvulopharyngopalatoplasty. Lusk RP. **Laryngoscope** 1986 Jun;96(6):697–8
Refinements in the use of the electrocautery in tonsillectomy and uvulopalatopharyngoplasty. Peters GE, et al. **Laryngoscope** 1986 Feb;96(2):216
Predictive value of Müller maneuver in selection of patients for uvulopalatopharyngoplasty. Sher AE, et al. **Laryngoscope** 1985 Dec;95(12):1483–7
Postoperative evaluation of sleep apnea after uvulopalatopharyngoplasty. Wetmore SJ, et al. **Laryngoscope** 1986 Jul;96(7):738–41
Cultural "iatrogenic" cleft palate.Barakat AY, et al. **Pediatrics** 1986 Sep;78(3):511
Uvulopalatoplasty and obstructive sleep apnea. Harmon JD, et al. **South Med J** 1986 Feb;79(2):197–200
Obstructive sleep apnea treated with uvulopalatopharyngoplasty: a systematic follow–up study. Reimao R, et al. **South Med J** 1986 Sep;79(9):1064–6
[Obstructive sleep apnea syndrome and snoring; uvulopalatopharyngoplasty as surgical therapy] Wouters HJ, et al. **Ned Tijdschr Geneeskd** 1986 Jul 5;130(27):1237–40 (Eng. Abstr.) (Dut)
[Polysomnographic follow–up of sleep apneas after uvulopalatopharyngoplasty] Reimão R, et al. **Arq Neuropsiquiatr** 1985 Dec;43(4):360–4 (Eng. Abstr.) (Por)
[Devices for performing electrophoresis on children following uranostaphyloplasty] Pinelis IS, et al. **Stomatologiia (Mosk)** 1985 May–Jun;64(3):89–90 (Rus)

V–ONC PROTEINS see **ONCOGENE PROTEINS, VIRAL**

VACCINATION

Prevention of hepatocellular carcinoma. Zuckerman AJ. **Acta Gastroenterol Belg** 1985 Jul–Aug;48(4):392–403
Changes in the tendency of lymphocytes to undergo blastic transformation in the postoperative period, in immune–stimulated and untreated colonic tumour patients. Nagy A, et al. **Acta Microbiol Hung** 1985;32(3):259–65
Antibody activity before and after pneumococcal vaccination of otitis–prone and non–otitis–prone children. Kalm O, et al. **Acta Otolaryngol (Stockh)** 1986 May–Jun; 101(5–6):467–74
Protective effect of BCG in experimental tuberculosis. Smith DW. **Adv Tuberc Res** 1985;22:1–97 (198 ref.)
The effect of needle stimulation of acupuncture loci Tienshu (St–25) Chung–Wan (CV–12) on the immune response in sensitized mice against experimental cholera. Kuan TK, et al. **Am J Chin Med** 1986;14(1–2):73–83
Smallpox and biological warfare: the case for abandoning vaccination of military personnel. Capps L, et al. **Am J Public Health** 1986 Oct;76(10):1229–31
Vaccine delivery in developing countries. Hopkins DR. **Am J Trop Med Hyg** 1985 Nov;34(6):1013–6
Experimental bluetongue virus infection of sheep; effect of previous vaccination: clinical and immunologic studies. Mahrt CR, et al. **Am J Vet Res** 1986 Jun;47(6):1191–7
Experimental bluetongue virus infection of sheep; effect of vaccination: pathologic, immunofluorescent, and ultrastructural studies. Mahrt CR, et al. **Am J Vet Res** 1986 Jun;47(6):1198–203
Chicken embryonal vaccination with avian infectious bronchitis virus. Wakenell PS, et al. **Am J Vet Res** 1986 Apr;47(4):933–8
Immunization against poliomyelitis: still problems to solve in both developed and developing countries [editorial] Hovi T. **Ann Clin Res** 1986;18(3):119–20
Vaccination against pneumococcal infection [letter] **Ann Intern Med** 1986 May;104(5):722–3
Malaria vaccine trials: a guided step into the unknown. Bruce–Chwatt LJ. **Ann Soc Belg Med Trop** 1986;66(1):5–13
Malaria chemoprophylaxis with chloroquine in young Nigerian children. II. Effect on the immune response to vaccination. Bradley–Moore AM, et al. **Ann Trop Med Parasitol** 1985 Dec;79(6):563–73
Vaccination as a measure for prevention of neonatal GBS infection. Baker CJ, et al. **Antibiot Chemother** 1985; 35:281–90
Herpes simplex virus vaccines. Meignier B, et al. **Antiviral Res** 1985;Suppl 1:259–65
Rotavirus infections and their prevention by vaccination. Vesikari T. **Antiviral Res** 1985;Suppl 1:293–300
Revaccination of renal transplant and hemodialysis recipients with pneumococcal vaccine. Linnemann CC Jr, et al. **Arch Intern Med** 1986 Aug;146(8):1554–6
Vaccination against immunopathological disease in schistosomiasis japonica. Garcia EG, et al. **Asian Pac J Allergy Immunol** 1985 Dec;3(2):140–2
Vaccination: its birth, death and resurrection. Eighth Burnet lecture of the Australian Academy of Science, 1985. Fenner F. **Aust J Exp Biol Med Sci** 1985 Dec;63 (Pt 6):607–22 (35 ref.)
Vaccination against the gastrointestinal helminths Trichinella spiralis and Hymenolepis nana: relationship between routes of immunization and effective protection. Gabriele F, et al. **Boll Ist Sieroter Milan** 1985;64(5):408–13
The impact of a rubella prevention policy on the outcome of rubella in pregnancy. Edmond E, et al. **Br J Obstet Gynaecol** 1986 Jun;93(6):563–7
Humoral antibody response after rubella vaccination. Cubie HA, et al. **Br Med J [Clin Res]** 1985 Nov 30; 291(6508):1539–40
Prevention of measles: vaccine efficacy and potential effectiveness of a vaccination programme on entry to school. Fernandes V, et al. **Br Med J [Clin Res]** 1985 Dec 14;291(6510):1685
Role of an immunisation advisory clinic. Lingam S, et al. **Br Med J [Clin Res]** 1986 Apr 5;292(6525):939–40
Effect of selective vaccination on rubella susceptibility and infection in pregnancy. Miller CL, et al. **Br Med J [Clin Res]** 1985 Nov 16;291(6506):1398–401
Strategy for rapid elimination and continuing control of poliomyelitis and other vaccine preventable diseases of children in developing countries. Sabin AB. **Br Med J [Clin Res]** 1986 Feb 22;292(6519):531–3
Revaccination of adults against diphtheria [editorial] Walker E. **Br Med J [Clin Res]** 1986 Feb 22;292(6519):507
New approaches to vaccine development: memorandum from a WHO meeting. **Bull WHO** 1985;63(3):479–84
The effectiveness of BCG vaccination of the newborn against childhood tuberculosis in Bangkok. Padungchan S, et al. **Bull WHO** 1986;64(2):247–58
Statement on influenza vaccination for the 1985–86 season. **Can Med Assoc J** 1985 Oct 1;133(7):671–2
Treatment of early–stage Hodgkin's disease [letter] Brigden ML. **Can Med Assoc J** 1985 Dec 1;133(11):1108
The serologic response of patients with stage II melanoma to allogeneic melanoma cell vaccines. Livingston PO, et al. **Cancer** 1985 Nov 1;56(9):2194–200
Prevention of herpes simplex virus diseases in man. Epstein JS, et al. **Clin Dermatol** 1984 Apr–Jun;2(2):133–46 (107 ref.)
Vaccination with a purified blood–stage malaria antigen in mice: correlation of protection with T cell mediated immunity. Playfair JH, et al. **Clin Exp Immunol** 1985 Oct; 62(1):19–23
Cellular immunity against Salmonella typhi after live oral vaccine. Tagliabue A, et al. **Clin Exp Immunol** 1985 Nov; 62(2):242–7
An effective economical intradermal regimen of human diploid cell rabies vaccination for post–exposure treatment. Ubol S, et al. **Clin Exp Immunol** 1986 Mar;63(3):491–7
Pneumococcal vaccine in aboriginal children—a randomized controlled trial involving 60 children. Douglas RM, et al. **Community Health Stud** 1986;10(2):189–96
Split virus influenza vaccination in children: an evaluation of efficacy. Weller PH, et al. **Curr Med Res Opin** 1985; 9(10):713–5
Comment: Cyclosporine and vaccination [letter] Grabenstein JD, et al. **Drug Intell Clin Pharm** 1985 Sep;19(9):679–80
Active specific immunotherapy with supportive measures in the treatment of palliatively nephrectomized, renal adenocarcinoma patients. A thirteen–year follow–up study. Tallberg T, et al. **Eur Urol** 1985;11(4):233–43
Vaccination against hepatitis B virus infection in neonates. Pongpipat D, et al. **Helv Paediatr Acta** 1984 Aug; 39(3):231–6
Vaccination of leprosy patients and healthy contacts. Samuel NM, et al. **Indian J Lepr** 1985 Apr–Jun;57(2):288–96
Immunisation against poliomyelitis—present concepts and practice. John TJ. **Indian J Public Health** 1985 Jul–Sep; 29(3):162–7
Poliomyelitis in Pune vis–a–vis immunisation in urban slums. Phadke MA, et al. **Indian Pediatr** 1986 May;23(5):351–4
Paralytic poliomyelitis in immunized and unimmunized children [letter] Sen S, et al. **Indian Pediatr** 1986 May; 23(5):392
Marketing a hepatitis B vaccine program. Haas R, et al. **Infect Control** 1986 Jun;7(6):339–41
The prevalence of hepatitis B in employees of small, rural hospitals—implications for vaccine administration. Martin DB, et al. **Infect Control** 1986 Feb;7(2):64–6
Defective immunoglobulin M responses to vaccination or infection with Schistosoma mansoni in xid mice. Correa–Oliveira R, et al. **Infect Immun** 1985 Nov; 50(2):409–14
Effects of pneumococcal vaccination on tonsillo–pharyngitis and upper respiratory tract flora. Christensen P, et al. **Int Arch Allergy Appl Immunol** 1985;78(2):161–6
ICRC vaccine–induced changes in M. lepraе–specific cell–mediated immunity in langur (Presbytis entellus) monkeys. Chirmule NB, et al. **Int J Lepr Other Mycobact Dis** 1986 Mar;54(1):57–62
Sensitization studies with potential leprosy vaccine preparations in northern Malawi. Ponnighaus JM, et al. **Int J Lepr Other Mycobact Dis** 1986 Mar;54(1):25–37
Schistosoma mansoni: vaccination with adult worm antigens. Tendler M, et al. **Int J Parasitol** 1986 Aug;16(4):347–52
The measles immunisation programme—early results from Cork. Cahill M, et al. **Ir Med J** 1986 Jul;79(7):192
Assessment of new vaccines in immunization programs. Koplan JP. **Isr J Med Sci** 1986 Mar–Apr;22(3–4):272–6

Questions vaccine efficacy trial [letter] Roberts DS. **J Am Vet Med Assoc** 1986 Aug 1;189(3):256, 258

Serological failure of Pseudomonas vaccination in patients receiving multiple chemotherapy. Bannister P, et al. **J Biol Stand** 1985 Oct;13(4):321–6

Long-lasting cell-mediated immunity induced by a live Francisella tularensis vaccine. Tärnvik A, et al. **J Clin Microbiol** 1985 Oct;22(4):527–30

A critical review of adult health maintenance. Part 2. Prevention of infectious diseases. Frame PS. **J Fam Pract** 1986 May;22(5):417–22

Antigenic and molecular properties of type 3 poliovirus responsible for an outbreak of poliomyelitis in a vaccinated population. Magrath DI, et al. **J Gen Virol** 1986 May;67 (Pt 5):899–905

Attempted vaccination of jirds (Meriones unguiculatus) against Brugia pahangi with radiation attenuated infective larvae. Chusattayanond W, et al. **J Helminthol** 1986 Jun; 60(2):149–55

Hepatitis B vaccination in chronic alcoholics. Degos F, et al. **J Hepatol** 1986;2(3):402–9

Effect of autovaccination on the course of urinary tract infection in animal experiment. Straube E, et al. **J Hyg Epidemiol Microbiol Immunol** 1985;29(4):435–46

Impact of population density on immunization programmes. Arita I, et al. **J Hyg (Lond)** 1986 Jun;96(3):459–66

Investigation of the effectiveness of measles vaccination in children in Kenya. Bell TM, et al. **J Hyg (Lond)** 1985 Dec; 95(3):695–702

The protection of infant mice from colonization with Campylobacter jejuni by vaccination of the dams. Dolby JM, et al. **J Hyg (Lond)** 1986 Apr;96(2):143–51

Identification of Schistosoma mansoni glycoproteins recognized by protective antibodies from mice immunized with irradiated cercariae. Dalton JP, et al. **J Immunol** 1986 Jun 15;136(12):4689–94

Recent advances in the prevention of hepatitis B infection. Proceedings of a symposium. Singapore, 10 January 1986. **J Infect** 1986 Jul;13 Suppl A:1–78

Response to pneumococcal vaccination in normal and post-infected Nigerians. Onyemelukwe GC, et al. **J Infect** 1985 Sep;11(2):139–44

Serum opsonic activity for Haemophilus influenzae type b in infants immunized with polysaccharide-protein conjugate vaccines. Cates KL. **J Infect Dis** 1985 Nov; 152(5):1076–7

Immunoprophylaxis of perinatal transmission of the hepatitis B virus: efficacy of hepatitis B immune globulin and hepatitis B vaccine in a low-prevalence area. Esteban JI, et al. **J Med Virol** 1986 Apr;18(4):381–91

Comparison of long-term systemic and secretory antibody responses in children given live, attenuated, or inactivated influenza A vaccine. Johnson PR Jr, et al. **J Med Virol** 1985 Dec;17(4):325–35

Multicenter trial on the efficacy of HBIG and vaccine in preventing perinatal hepatitis B. Final report. Zanetti AR, et al. **J Med Virol** 1986 Apr;18(4):327–34

Different immune responses after intradermal and intramuscular administration of vaccine against tick-borne encephalitis virus. Zoulek G, et al. **J Med Virol** 1986 May; 19(1):55–61

Antigenuria after Haemophilus influenzae type b polysaccharide vaccination. Spinola SM, et al. **J Pediatr** 1986 Feb;108(2):247–9

Malignant melanoma arising de novo within a T.A.B.T. inoculation site. Attard GJ. **J R Army Med Corps** 1986 Feb;132(1):20

Annual cluster (pulse) immunization experience in villages near Sevagram, India. Jajoo UN, et al. **J Trop Med Hyg** 1985 Aug;88(4):277–80

Leads from the MMWR. Prevention and control of influenza. **JAMA** 1985 Nov 15;254(19):2722

Leads from the MMWR. Implementation of recommendations for influenza control. **JAMA** 1985 Nov 15;254(19):2722, 2724, 2727–8

Leads from the MMWR. Measles in a population with religious exemption to vaccination—Colorado. **JAMA** 1985 Dec 27;254(24):3411, 3415

Eliminating rubella from the United States [letter] Kindrachuk W. **JAMA** 1986 Jan 10;255(2):197

Influenza immunization changes for elderly? [news] Riesenberg DE. **JAMA** 1986 Jan 10;255(2):177

Vaccination against Haemophilus influenzae type B [editorial] **Lancet** 1986 May 10;1(8489):1074–5

Control of congenital rubella syndrome by mass vaccination [letter] Anderson RM, et al. **Lancet** 1985 Oct 12; 2(8459):827–8

Field trial of oral cholera vaccines in Bangladesh. Clemens JD, et al. **Lancet** 1986 Jul 19;2(8499):124–7

Measles control in Africa [letter] Dabis F, et al. **Lancet** 1986 Jul 19;2(8499):162–3

Immunogenicity in infants of Haemophilus influenzae type B polysaccharide in a conjugate vaccine with Neisseria meningitidis outer-membrane protein. Einhorn MS, et al. **Lancet** 1986 Aug 9;2(8502):299–302

A perspective on influenza control. Imperato PJ. **Lancet** 1986 Mar 29;1(8483):728–30

New purified Vero-cell vaccine prevents rabies in patients bitten by rabid animals. Suntharasamai P, et al. **Lancet** 1986 Jul 19;2(8499):129–31

Respective roles of immune and nutritional factors in the priming of the immune response in the elderly. Moulias R, et al. **Mech Ageing Dev** 1985 Jul–Aug;31(2):123–37

Predicting and understanding influenza vaccination behavior. Alternatives to the health belief model. Montano DE. **Med Care** 1986 May;24(5):438–53

Pertussis vaccination [letter] **Med J Aust** 1986 Jun 23; 144(13):726

Experience with hepatitis B vaccine [editorial] Burrell CJ. **Med J Aust** 1986 Apr 28;144(9):451–2

Protective efficacy against group B streptococcal infection in neonatal mice delivered from preimmunized pregnants. Itoh T, et al. **Microbiol Immunol** 1986;30(4):297–305

Immunogenicity and protective effect of hemolysis mutants of Mycoplasma pneumoniae. Yayoshi M, et al. **Microbiol Immunol** 1985;29(11):1029–37

Implementation of recommendations for influenza control. **MMWR** 1985 Oct 18;34(41):639–43

Prevention and control of influenza. **MMWR** 1985 Oct 18; 34(41):633–4, 639

Measles in a population with religious exemption to vaccination—Colorado. **MMWR** 1985 Nov 29; 34(47):718–20

Immunochemical structure of the hepatitis B surface antigen vaccine—II. Analysis of antibody responses in human sera against the envelope proteins. Petit MA, et al. **Mol Immunol** 1986 May;23(5):511–23

Measles vaccination in Haiti [letter] Narod S. **N Engl J Med** 1986 Feb 27;314(9):581–2

Vaccination and herd immunity to infectious diseases. Anderson RM, et al. **Nature** 1985 Nov 28–Dec 4; 318(6044):323–9 (123 ref.)

Protection of cottontop tamarins against Epstein-Barr virus-induced malignant lymphoma by a prototype subunit vaccine. Epstein MA, et al. **Nature** 1985 Nov 21–27; 318(6043):287–9

Accidental human vaccination with vaccinia virus expressing nucleoprotein gene [letter] Jones L, et al. **Nature** 1986 Feb 13–19;319(6054):543

Low dose hepatitis B vaccination in children. Milne A, et al. **NZ Med J** 1986 Feb 12;99(795):47–9

Progress in rotavirus vaccination. Vesikari T. **Pediatr Infect Dis** 1985 Nov–Dec;4(6):612–4

Health impact of measles vaccination in the United States. Bloch AB, et al. **Pediatrics** 1985 Oct;76(4):524–32

Why some parents refuse pertussis immunisation. Guest M, et al. **Practitioner** 1986 Mar;230(1413):210

Vaccination against schistosomiasis in mice with killed schistosomula without adjuvant. Hsü SY, et al. **Proc Soc Exp Biol Med** 1986 Mar;181(3):454–8

The malaria vaccine. McIntyre L. **Public Health** 1985 Nov; 99(6):343–8

Rubella vaccination: the effect of health education and administrative systems on vaccination rates in two health authorities. O'Mahony MC, et al. **Public Health** 1986 Mar; 100(2):84–90

Vaccine-preventable diseases and child day care. Hinman AR. **Rev Infect Dis** 1986 Jul–Aug;8(4):573–83 (44 ref.)

Screening of potential hepatitis B virus vaccine recipients versus mass immunization [letter] Kocks DJ, et al. **S Afr Med J** 1986 Jul 19;70(2):122

Serological immunity to diphtheria in Sweden in 1978 and 1984. Christenson B, et al. **Scand J Infect Dis** 1986; 18(3):227–33

Hepatitis B vaccine: issues, recommendations, and new developments. Stevens CE, et al. **Semin Liver Dis** 1986 Feb;6(1):23–7 (40 ref.)

Recent developments in childhood immunizations. Brunell PA. **Tex Med** 1986 Mar;82(3):21–3

Immunization of marmosets with Trypanosoma cruzi cell surface glycoprotein (GP90). Scott MT, et al. **Trans R Soc Trop Med Hyg** 1985;79(4):451–4

Simultaneous vaccination of cattle against foot-and-mouth disease and rinderpest. Hedger RS, et al. **Trop Anim Health Prod** 1986 Feb;18(1):21–5

Vaccinations: adaptation to local conditions. Mande R. **Trop Geogr Med** 1985 Sep;37(3):S52–4

The role of nutrition in primary health care. Practical considerations for the vaccination programme in Kaya, Burkina Faso. Parent G, et al. **Trop Geogr Med** 1985 Sep; 37(3):S17–20

Vaccination as a starter for primary health care. Stoeckel P. **Trop Geogr Med** 1985 Sep;37(3):S81–3

Evaluation of a diagnostic antigen for the detection of Aujeszky's disease virus-infected subunit-vaccinated pigs. Platt KB, et al. **Vet Microbiol** 1986 Feb;11(1–2):25–40

Avian paramyxovirus type 1 infections of racing pigeons: 4 laboratory assessment of vaccination. Alexander DJ, et al. **Vet Rec** 1986 Mar 8;118(10):262–6

Vaccination against listeriosis in sheep. Gudding R, et al. **Vet Rec** 1985 Jul 27;117(4):89–90

Turkey breeder vaccination [letter] Horrox NE. **Vet Rec** 1985 Dec 21–28;117(25–26):673

Immunizations for adults. Perez-Stable EJ. **West J Med** 1986 May;144(5):616–9

[Evaluation of BCG vaccination programme in the rural areas of Beijing] Song WH. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Feb;9(1):9–11, 61 (Eng. Abstr.) (Chi)

[The expanded WHO vaccination program] Le Gonidec G. **Ann Inst Pasteur Immunol** 1985 Sep–Oct;136D(2):167–74 (Eng. Abstr.) (Fre)

[Perspectives in vaccination against malaria] Ambroise-Thomas P. **Bull Acad Natl Med (Paris)** 1985 Apr;169(4):541–7 (Eng. Abstr.) (Fre)

[Activity of Anti-Yellow Fever Vaccination Centers] Picot N, et al. **Bull Soc Pathol Exot Filiales** 1985;78(5 Pt 2):986–9 (Fre)

[In Burkina Faso: general mobilization in favor of the "vaccination commando"] Bassolé A. **Hygie** 1986 Mar; 5(1):31–4 (Eng. Abstr.) (Fre)

[Report on 5 years of expanded program of vaccination in an experimental zone in Ivory Coast] Boutin JP, et al. **Med Trop (Mars)** 1985 Jul–Sep;45(3):287–94 (Eng. Abstr.) (Fre)

[Vaccination of adults against hepatitis B virus in a tropical African environment (Ivory Coast). Study of results according to the serologic status toward the virus] Ouattara SA, et al. **Med Trop (Mars)** 1986 Jan–Mar;46(1):33–7 (Eng. Abstr.) (Fre)

[Serum markers of hepatitis B among hospital personnel before vaccination (letter)] Wehbe F, et al. **Presse Med** 1985 Oct 12;14(34):1800 (Fre)

[Control of malaria—chemotherapy and immunoprophylaxis. 1. Chemotherapy] Wagner WH. **Arzneimittelforschung** 1986;36(1):2–9 (Eng. Abstr.) (Ger)

[Pertussis vaccination 1985: an update (editorial)] Shalev RS, et al. **Harefuah** 1985 Jul;109(1–2):47–9 (Heb)

[Preventive vaccination specific for anti-hepatitis B in a hospital environment] Corridori S, et al. **Riv Enoter Immunoematol** 1985;32(3):292–7 (Eng. Abstr.) (Ita)

[Development of live varicella vaccine] Takahashi M, et al. **Nippon Rinsho** 1985 Jul;43(7):1535–41 (26 ref.) (Jpn)

[Effect of thymus preparations on the efficacy of postvaccinal immunity in experimental tuberculosis] Kononko IV. **Fiziol Zh** 1986 Jul–Aug;32(4):478–81 (Eng. Abstr.) (Rus)

[Radial hemolysis reaction for the rapid titration of antirabies serum] Zgurskaia GN, et al. **Lab Delo** 1986;(3):168–70 (Eng. Abstr.) (Rus)

[Tuberculous infection of school children at the time of mass BCG vaccination] Adamova EA, et al. **Probl Tuberk** 1985; (11):7–9 (Eng. Abstr.) (Rus)

[Results of using different doses of BCG vaccine in newborn infants] Kshanovskii SA, et al. **Probl Tuberk** 1986;(6):3–6 (Eng. Abstr.) (Rus)

[Relation between postvaccinal skin manifestations and the dose of BCG vaccine] Mishkinis KK. **Probl Tuberk** 1985; (7):49–52 (Eng. Abstr.) (Rus)

[Further study of the prevention of streptococcal infections in experiments on monkeys] Keller V, et al. **Vestn Akad Med Nauk SSSR** 1986;(3):66–8 (Eng. Abstr.) (Rus)

[Comparative study of the immunogenicity of meningococcal vaccines in experiments on monkeys and trials in volunteers] Krasnoproshina LI, et al. **Vestn Akad Med Nauk SSSR** 1986;(3):57–60 (Eng. Abstr.) (Rus)

[Trial of the protective activity of ribosomal Sonne vaccine in monkeys] Levenson VI, et al. **Vestn Akad Med Nauk SSSR** 1986;(3):69–72 (Eng. Abstr.) (Rus)

[Study of the virulence and immunogenicity of vaccinal strains of Leishmania major, preserved by freezing in liquid nitrogen] Khusnetinova KhKh, et al. **Vestn Dermatol Venerol** 1985 Jul;(7):20–4 (Eng. Abstr.) (Rus)

[Various features of allergy and vaccination against measles of children in groups at risk] Ignatov SA, et al. **Vrach Delo** 1985 Nov;(11):18–20 (Eng. Abstr.) (Rus)

[Preventive properties of the blood sera from persons vaccinated with a Proteus vaccine made from soluble antigen complexes] Levina LA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Apr;(4):84–8 (Eng. Abstr.) (Rus)

[Development of a solid-phase immunoenzyme method for determining the antibody level in the blood sera of persons vaccinated with influenza vaccine] Starikova TIu, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Apr;(4):50–4 (Eng. Abstr.) (Rus)

[Use of files for forms no. 063y in planning preventive immunization] Voronin II. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Sep;(9):60–4 (Eng. Abstr.) (Rus)

[Evaluation of the protective effect of BCG vaccination] Calvete C, et al. **Bol Of Sanit Panam** 1986 Mar;100(3):300–8 (Eng. Abstr.) (Spa)

[Hepatitis B vaccination] Genescá Ferrer J, et al. **Rev Clin Esp** 1986 Mar;178(5):207–9 (Spa)

[Epidemiologic study of measles, rubella and mumps with regard to the possibility of their control by immunization] Rodríguez Borrego MJ, et al. **Rev Sanid Hig Publica (Madr)** 1985 Jan–Feb;59(1–2):117–25 (Eng. Abstr.) (Spa)

[Comparison of immunity produced by B. melitensis Rev. 1 and B. abortus strain 19 in guinea pigs challenged a month nd a year after vaccination] Garcia-Carrillo C. **Zentralbl Veterinarmed [B]** 1986 Apr;33(3):231–6 (Eng. Abstr.) (Spa)

[Differences in the vaccination policies in Scandinavia] **Nord Med** 1985;100(8–9):212–3, 216 (Swe)

ADVERSE EFFECTS

Myocarditis after triple immunisation. Amsel SG, et al. **Arch Dis Child** 1986 Apr;61(4):403–5

Angioimmunoblastic lymphadenopathy following typhoid

AB vaccination and terminating in disseminated infection. Gold JA, et al. **Arch Pathol Lab Med** 1985 Dec; 109(12):1085–8

Update on immunisation for measles, mumps, rubella and pertussis. Burgess MA. **Aust Fam Physician** 1986 Apr; 15(4):449–50, 452–3

Schick test as a predictor of immunity to diphtheria and of side effects after revaccination with diphtheria vaccine. Settergren BO, et al. **Br Med J [Clin Res]** 1986 Feb 22; 292(6519):524–5

Modified rabies after anti-rabies vaccination [letter] Jain S, et al. **J Neurol** 1985;232(6):385

Central nervous sequelae of vaccinations [letter] Ehrengut W. **Lancet** 1986 May 31;1(8492):1275–6

BCG osteitis: a case report. Aftimos S, et al. **NZ Med J** 1986 Apr 23;99(800):271–3

Contra-indications to measles and whooping cough vaccination: reality and mythology. Nicoll A. **Practitioner** 1986 Jun;230(1416):593–7

"The toxic shot syndrome".Thoman M. **Vet Hum Toxicol** 1986 Apr;28(2):163–6

[Neural complications after diphtheria vaccination and inoculations with diphtheria toxoid-mixed vaccines. Observations on their etiopathogenesis] Ehrengut W. **Dtsch Med Wochenschr** 1986 Jun 13;111(24):939–42 (Eng. Abstr.) (Ger)

[Neurological complications of immunization] Ishizaki A, et al. **No To Hattatsu** 1986 Mar;18(2):105–13 (Jpn)

[Neurological complications related to immunization] Kurokawa T, et al. **No To Hattatsu** 1986 Mar;18(2):98–104 (Jpn)

[Immunization and convulsive disorders in children] Matsuda M, et al. **No To Hattatsu** 1986 Mar;18(2):119–27 (Jpn)

[Vaccination of children with convulsive disorders] Mimaki T. **No To Hattatsu** 1986 Mar;18(2):114–8 (Jpn)

[Treatment of keloid scars developing after BCG vaccination in children and adolescents] Nikolaeva NV. **Probl Tuberk** 1985;(7):58–61 (Eng. Abstr.) (Rus)

ECONOMICS

Cost effectiveness of vaccination against pneumococcal pneumonia: an update. Sisk JE, et al. **Ann Intern Med** 1986 Jan;104(1):79–86

Cheaper immunisation against hepatitis B. Greenfield C, et al. **East Afr Med J** 1986 Jan;63(1):3–12

Hepatitis B vaccine for medical students. Chodash HB. **IMJ** 1986 Mar;169(3):145–6

A benefit-cost analysis of a childhood varicella vaccination programme. Preblud SR, et al. **Postgrad Med J** 1985;61 Suppl 4:17–22

Cost-effectiveness of the expanded programme on immunization in the Ivory Coast: a preliminary assessment. Shepard DS, et al. **Soc Sci Med** 1986;22(3):369–77

Implications of the introduction of the new killed poliomyelitis vaccine into the expanded programme of immunization (EPI). Martin JF. **Trop Geogr Med** 1985 Sep; 37(3):S55–9

[Cost-benefit analysis of vaccination against pneumococcal pneumonia] Ament AJ, et al. **Ned Tijdschr Geneeskd** 1986 Mar 1;130(9):407–10 (Eng. Abstr.) (Dut)

[Evaluation of vaccination policies. The case of measles] Lafarge H, et al. **Rev Epidemiol Sante Publique** 1985; 33(3):182–93 (Eng. Abstr.) (Fre)

HISTORY

One century after Louis Pasteur's victory against rabies. Eyquem A. **Am J Reprod Immunol Microbiol** 1986 Mar; 10(3):132–4

A centennial celebration: Pasteur and the modern era of immunization. **J Tenn Med Assoc** 1985 Oct;78(10):625

George Washington and variolation; Edward Jenner and vaccination [letter] Rabasa R. **JAMA** 1986 Apr 11; 255(14):1881

[From Jenner to Pasteur or the development of ideas on vaccination] Jenner E, et al. **Bull Acad Natl Med (Paris)** 1985 Jun;169(6):771–8 (Fre)

[History of vaccination against tuberculosis in Poland] Moskwa Z. **Przegl Lek** 1985;42(12):818–9 (Pol)

[History of inoculations in Russia] Efremenko AA. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Dec;(12):101–3 (Rus)

METHODS

Protective immunity against cutaneous leishmaniasis achieved by partly purified vaccine in a volunteer [letter] Monjour L, et al. **Lancet** 1986 Jun 28;1(8496):1490

Rapid effect on endemic measles, mumps, and rubella of nationwide vaccination programme in Finland. Peltola H, et al. **Lancet** 1986 Jan 18;1(8473):137–9

Intramuscular versus intradermal hepatitis B vaccination [letter] Milne A. **NZ Med J** 1986 Aug 27;99(808):640

[Aspects of vaccination health education] Reinicke H. **Off Gesundheitswes** 1985 Dec;47(12):609–10 (Eng. Abstr.) (Ger)

[Local reactions and antitoxin circulating levels induced by the administration of tetanus toxoid. Comparative study between Ped-o-Jet and hypodermic syringe] Pluciennik AM, et al. **Rev Saude Publica** 1985 Jun;19(3):201–14 (Eng. Abstr.) (Por)

TRENDS

El Salvador completes national vaccination campaign. **Bull Pan Am Health Organ** 1985;19(3):300–1

Vaccination against Epstein-Barr virus: current progress and future strategies. Epstein MA. **Lancet** 1986 Jun 21; 1(8495):1425–7

[Future of vaccination: vaccines of the future] Lagrange PH. **Ann Inst Pasteur Immunol** 1985 Nov-Dec;136D(3):313–34 (63 ref.) (Fre)

[The present and future of vaccination] Lepine P. **Bull Acad Natl Med (Paris)** 1985 Jun;169(6):795–802 (Fre)

UTILIZATION

Failure to vaccinate against whooping cough. Stevens D, et al. **Arch Dis Child** 1986 Apr;61(4):382–7

Measles, mumps, and rubella: the need for a change in immunisation policy. Walker D, et al. **Br Med J [Clin Res]** 1986 Jun 7;292(6534):1501–2

Vaccinology in practical perspective. Hilleman MR. **Dev Biol Stand** 1986;63:5–13

A national BCG scar survey in the estimation of BCG vaccination coverage in Kenya. Swai OB, et al. **East Afr Med J** 1985 Dec;62(12):842–51

[Effect of mass communication media on the coverage of a vaccination campaign] Pabón Lasso H, et al. **Bol Of Sanit Panam** 1986 Jul;101(1):39–47 (Eng. Abstr.) (Spa)

VETERINARY

Q fever vaccination of sheep: challenge of immunity in ewes. Brooks DL, et al. **Am J Vet Res** 1986 Jun;47(6):1235–8

Use of a toxoid vaccine to protect goats against intradermal challenge exposure to Corynebacterium pseudotuberculosis. Brown CC, et al. **Am J Vet Res** 1986 May;47(5):1116–9

Serotype-specific resistance to nasal colonization by Pasteurella haemolytica in cattle. Frank GH. **Am J Vet Res** 1985 Nov;46(11):2245–8

Field-trial evaluation of a Pasteurella vaccine in preconditioned and nonpreconditioned lightweight calves. Kadel WL, et al. **Am J Vet Res** 1985 Sep;46(9):1944–8

Immune response in sows given transmissible gastroenteritis virus or canine coronavirus. Woods RD, et al. **Am J Vet Res** 1986 Jun;47(6):1239–42

Standards for Clostridium chauvoei vaccine--the relationship between the response of guinea pigs and sheep following vaccination and challenge with virulent C. chauvoei. Crichton R, et al. **Aust Vet J** 1986 Mar;63(3):68–70

The effect of reduced-dose Brucella abortus strain 19 vaccination in accredited dairy herds. Beckett FW, et al. **Br Vet J** 1985 Sep-Oct;141(5):507–14

Attempt to prevent the effects of experimental chronic pneumonia in sheep by vaccination against Pasteurella haemolytica. Jones GE, et al. **Br Vet J** 1986 Mar-Apr; 142(2):189–94

Antibody-mediated resistance against duck enteritis virus infection. Lam KM, et al. **Can J Vet Res** 1986 Jul; 50(3):380–3

Experimental intramammary inoculation with Mycoplasma bovis in vaccinated and unvaccinated cows: effect on the mycoplasmal infection and cellular inflammatory response. Boothby JT, et al. **Cornell Vet** 1986 Apr;76(2):188–97

Rationale for the use of influenza vaccines in horses and the importance of antigenic drift. Baker DJ. **Equine Vet J** 1986 Mar;18(2):93–6

Vaccination regimes for poultry. Haxby D. **In Pract** 1985 Nov;7(6):182–3

Immunization of cattle against Boophilus microplus using extracts derived from adult female ticks: effects of induced immunity on tick populations. Johnston LA, et al. **Int J Parasitol** 1986 Feb;16(1):27–34

Immunization of cattle against Boophilus microplus using extracts derived from adult female ticks: feeding and survival of the parasite on vaccinated cattle. Kemp DH, et al. **Int J Parasitol** 1986 Apr;16(2):115–20

Adult cattle vaccination and revaccination with strain 19 reduced doses for the control of brucellosis: a field experience in Mexico. Flores-Castro R, et al. **Int J Zoonoses** 1985 Dec;12(4):299–303

Vaccination of swine with an inactivated porcine parvovirus vaccine in the presence of passive immunity. Paul PS, et al. **J Am Vet Med Assoc** 1986 Feb 15;188(4):410–3

A live Pasteurella haemolytica vaccine efficacy trial. Purdy CW, et al. **J Am Vet Med Assoc** 1986 Mar 15;188(6):589–91

Potential influence of viral infection and vaccination on drug disposition. Short CR. **J Am Vet Med Assoc** 1986 Aug 1;189(3):330–2

Immunization of zebu calves against Fasciola gigantica, using irradiated metacercariae. Younis SA, et al. **J Helminthol** 1986 Jun;60(2):123–34

Compendium of animal rabies vaccines, 1986. Prepared by: the National Association of State Public Health Veterinarians, Inc. **MMWR** 1986 Jan 3; 34(51–52):770–4,779–81

Evaluation of broiler breeder pullet vaccination programs for preventing clinical reovirus infections in the progeny. Giambrone JJ, et al. **Poult Sci** 1986 Mar;65(3):457–61

Foot-and-mouth disease vaccination: a multifactorial study of the influence of antigen dose and potentially competitive immunogens on the response of cattle of different ages. Black L, et al. **Res Vet Sci** 1986 May;40(3):303–7

Intranasal vaccination of pigs against Aujeszky's disease. 4. Comparison with one or two doses of an inactivated vaccine in pigs with moderate maternal antibody titres. Van Oirschot JT, et al. **Vet Microbiol** 1985 Aug;10(5):401–8

Incidence, economic effects, and control of Haemophilus pleuropneumoniae infections in pigs. Hunneman WA. **Vet Q** 1986 Jan;8(1):83–7

Influenza vaccination [letter] **Vet Rec** 1986 Mar 22; 118(12):342

Parvovirus vaccination [letter] **Vet Rec** 1985 Oct 19; 117(16):418

Parvovirus vaccination [letter] **Vet Rec** 1985 Oct 26; 117(17):450

Parvovirus vaccination [letter] Bloxham PA. **Vet Rec** 1985 Dec 14;117(24):645

Vaccination of pigeons against paramyxovirus 1 infection. Box PG, et al. **Vet Rec** 1985 Nov 23;117(21):555–6

Vaccination against leptospiral abortion and renal carriage [letter] Broughton ES, et al. **Vet Rec** 1986 Feb 15; 118(7):190–1

Naturally occurring parasitic bronchitis in red deer: effect of vaccination using live bovine lungworm vaccine. Corrigall W, et al. **Vet Rec** 1986 May 24;118(21):578–80

Vaccination clinics [letter] Culpin PA. **Vet Rec** 1986 Feb 8;119(6):164

Reactions to equine influenza vaccination [letter] Hardy BD. **Vet Rec** 1986 Apr 12;118(15):435

Aujeszky's disease in an Irish pig practice: incidence, trends and response to vaccination. Kavanagh NT. **Vet Rec** 1986 Apr 26;118(17):481

Equine influenza vaccination requirement [letter] Keith NW. **Vet Rec** 1985 Dec 14;117(24):646

Canine parvovirus vaccination [letter] McVicar ID, et al. **Vet Rec** 1985 Jul 20;117(3):71

Reactions to influenza vaccination [letter] Matthews AG. **Vet Rec** 1986 Mar 1;118(9):251–2

Protection of the nursing pig against experimentally induced enteric colibacillosis by vaccination of dam with fimbrial antigens of E coli (K88, K99 and 987P). Nagy LK, et al. **Vet Rec** 1985 Oct 19;117(16):408–13

Mitigation of the response of Friesian calves to live Babesia bovis vaccine by treatment with long acting oxytetracycline. Pipano E, et al. **Vet Rec** 1985 Oct 19; 117(16):413–4

Parvovirus vaccination [letter] Pound BH. **Vet Rec** 1985 Aug 3;117(5):115

Isolation of very virulent pathotypes of Marek's disease virus from vaccinated chickens in Europe. Powell PC, et al. **Vet Rec** 1986 Jun 21;118(25):688–91

Observations on the use of an inactivated canine parvovirus vaccine. Smith JR, et al. **Vet Rec** 1986 Apr 5;118(14):385–7

Chunnel: rabies risk? [letter] Stock JE. **Vet Rec** 1986 Mar 15;118(11):311

Measurement of antibodies after parvovirus vaccination [letter] Thompson H, et al. **Vet Rec** 1985 Sep 7;117(10):255

Parvovirus vaccination [letter] Whur P. **Vet Rec** 1985 Aug 31;117(9):220

Parvovirus vaccination [letter] Williams JR. **Vet Rec** 1985 Nov 2;117(18):479

The demonstration of cell-mediated immunity in chickens vaccinated with fowlpox virus. Dharsana R, et al. **Zentralbl Veterinarmed [B]** 1985 Sep;32(8):628–32

Persistent infection of the genital tract and excretion of the vaccine strain after live virus immunization with bovine herpesvirus 1 (IBR/IPV virus). Gregersen JP, et al. **Zentralbl Veterinarmed [B]** 1985 Jun;32(5):354–60

[Associated vaccination of poultry against infectious bronchitis, Newcastle disease and infectious bursitis] Cholakova R. **Vet Med Nauki** 1985;22(9):32–8 (Eng. Abstr.) (Bul)

[Associated vaccination of pigs against swine fever, erysipelas and Aujeszky's disease] Naidenova N, et al. **Vet Med Nauki** 1986;23(3):9–13 (Eng. Abstr.) (Bul)

[Vaccination of ferrets (Putorius furo) against rabies using a tissue vaccine] Matouch O, et al. **Vet Med (Praha)** 1986 Feb;31(2):123–8 (Eng. Abstr.) (Cze)

[1st experiences with the oral immunization of foxes against rabies in Hesse] Frost JW, et al. **Berl Munch Tierarztl Wochenschr** 1985 Aug 1;98(8):279–81 (Eng. Abstr.) (Ger)

[Distemper epidemic in Switzerland: epidemiology and anamnesis of vaccination] Glardon O, et al. **Schweiz Arch Tierheilkd** 1985 Nov;127(11):707–16 (Eng. Abstr.) (Ger)

[Experiences with local administration of herd-specific vaccines] Bauer K. **Tierarztl Prax** 1986;14(1):51–4 (Eng. Abstr.) (Ger)

[Experiences with oral immunization of foxes against rabies in Hesse] Wachendörfer G, et al. **Tierarztl Prax** 1986; 14(2):185–96 (Eng. Abstr.) (Ger)

VACCINATION ENCEPHALITIS see **ENCEPHALITIS, POST-VACCINAL**

VACCINES

Genetic engineering and vaccines. Davies JE. **Ann Inst Pasteur Immunol** 1985 Sep-Oct;136D(2):143–50

Vaccines against mycobacteria and other intracellular multiplying bacteria. Lagrange PH, et al. **Ann Inst Pasteur Immunol** 1985 Sep-Oct;136D(2):151–62

Synthetic antigens. Proceeding of the first international conference. Siena, Italy, 29–30 October 1984. **Ann Sclavo** 1984;1(2):1–208
Vaccine advances [editorial] Smith JW. **Arch Dis Child** 1986 Jun;61(6):531–2
Vaccination: its birth, death and resurrection. Eighth Burnet lecture of the Australian Academy of Science, 1985. Fenner F. **Aust J Exp Biol Med Sci** 1985 Dec;63 (Pt 6):607–22 (35 ref.)
Use of hybridoma antibodies and recombinant DNA technology in protozoan vaccine development. Danforth HD, et al. **Avian Dis** 1986 Jan–Mar;30(1):37–42
Molecular approaches to vaccines. Bachrach HL. **Basic Life Sci** 1986;37:217–42
Can molecular biology synthesise a vaccine to eradicate both malaria and bilharzia? If so, should a developing country like Zimbabwe become involved in their development? Robertson AI. **Cent Afr J Med** 1985 Nov;31(11):231–4
New aspects of vaccine development. Liew FY. **Clin Exp Immunol** 1985 Nov;62(2):225–41 (91 ref.)
Diagnostics and vaccines for parasitic diseases. Proceedings of a symposium. Stockholm, Sweden, 20–22 February 1985. **Dev Biol Stand** 1985;62:1–158
Pf 155, a candidate for a blood stage vaccine in Plasmodium falciparum malaria. Berzins K, et al. **Dev Biol Stand** 1985; 62:99–106
Field experience with the bovine lungworm vaccine. Urquhart GM. **Dev Biol Stand** 1985;62:109–12
New developments in the field of synthetic muramyl peptides, especially as adjuvants for synthetic vaccines. Lederer E. **Drugs Exp Clin Res** 1986;12(6–7):429–40 (93 ref.)
Plasmid-cured Salmonella enteritidis AL1192 as a candidate for a live vaccine. Nakamura M, et al. **Infect Immun** 1985 Nov;50(2):586–7
New vaccines. Hinman AR, et al. **Int J Epidemiol** 1985 Dec; 14(4):502–3
Development and approval of vaccines in the United States. Botstein P. **Isr J Med Sci** 1986 Mar–Apr;22(3–4):268–71
Pseudomonas aeruginosa. I. Large-volume cultivation of production strains for vaccination purposes. Bělohlávek S, et al. **J Hyg Epidemiol Microbiol Immunol** 1984; 29(3):297–302
Evaluation of a rapid passive hemagglutination assay for anti-rubella antibody: comparison to hemagglutination inhibition and a vaccine challenge study. Safford JW, et al. **J Med Virol** 1985 Nov;17(3):229–36
Progress towards a malaria vaccine. Cohen S. **J R Coll Physicians Lond** 1985 Oct;19(4):210–3
Prospects for a vaccine against malaria. Brown GV. **Med J Aust** 1986 Jun 23;144(13):703–4
Bureaucrats [letter] Gaynor B. **Med J Aust** 1986 Jun 9; 144(12):671
The science of vaccines in present and future perspective. Hilleman MR. **Med J Aust** 1986 Mar 31;144(7):360–4
Molecular biology, the new genetics and vaccine development. Dougan G, et al. **Med Lab Sci** 1985 Oct; 42(4):393–8
The potential of synthetic peptides for vaccines. Steward MW, et al. **Med Lab Sci** 1985 Oct;42(4):376–87 (47 ref.)
Research in malaria vaccines [editorial] Miller LH. **N Engl J Med** 1986 Sep 4;315(10):640–1
Recombinant vaccinia viruses as vaccines. Brown F, et al. **Nature** 1986 Feb 13–19;319(6054):549–50
Exploitation of animal mobility [news] Moore PD. **Nature** 1985 Sep 26–Oct 2;317(6035):288–9
AIDS protein made [news] Wright K. **Nature** 1986 Feb 13–19;319(6054):525
Comparison of immune responses between high and low responder strains of mice in the concomitant immunity and vaccine models of resistance to Schistosoma mansoni. James SL, et al. **Parasitology** 1985 Oct;91 (Pt 2):301–15
The newer vaccines. Brown F. **Philos Trans R Soc Lond [Biol]** 1985 Sep 12;310(1144):291–6
Cancer vaccine goes on trial. **Practitioner** 1986 Apr; 230(1414):307–8
Vaccination against schistosomiasis in mice with killed schistosomula without adjuvant. Hsü SY, et al. **Proc Soc Exp Biol Med** 1986 Mar;181(3):454–8
The malaria vaccine. McIntyre L. **Public Health** 1985 Nov; 99(6):343–8
Strategies for an AIDS vaccine [news] Barnes DM. **Science** 1986 Sep 12;233(4769):1149–53
Protection of cattle against foot-and-mouth disease by a synthetic peptide. DiMarchi R, et al. **Science** 1986 May 2;232(4750):639–41
Anti-idiotypic antibody vaccine for type B viral hepatitis in chimpanzees. Kennedy RC, et al. **Science** 1986 Apr 11; 232(4747):220–3
Progress toward a schistosomiasis vaccine [news] Kolata G. **Science** 1986 Jul 4;233(4759):28
Progress on a vaccine for Epstein–Barr virus [news] Marx JL. **Science** 1986 Feb 28;231(4741):919–20
USDA suspends license for engineered vaccine [news] Sun M. **Science** 1986 Apr 25;232(4749):446
Vaccines: quantities, production and costs. Van Wezel AL. **Trop Geogr Med** 1985 Sep;37(3):S35–39
Development and characterization of cold-adapted viruses for use as live virus vaccines. Maassab HF, et al. **Vaccine** 1985 Dec;3(5):355–69 (78 ref.)
Studies on the development of pelleted Newcastle disease virus (NDV) vaccine. Shuaib MA, et al. **Vaccine** 1985 Dec; 3(5):385–8
Biotechnology in the development of vaccines for animal parasites. Gamble HR, et al. **Vet Parasitol** 1986 Mar; 20(1–3):237–50 (63 ref.)
Plasmodium falciparum antigens as target molecules for a protective immunization against malaria: an up-to-date review. Heidrich HG. **Z Parasitenkd** 1986;72(1):1–11 (75 ref.)
[Future of vaccination: vaccines of the future] Lagrange PH. **Ann Inst Pasteur Immunol** 1985 Nov–Dec;136D(3):313–34 (63 ref.) (Fre)
[Perspectives in vaccination against malaria] Ambroise-Thomas P. **Bull Acad Natl Med (Paris)** 1985 Apr;169(4):541–7 (Fre) (Abstr.)
[The focus on vaccines—new approaches: a memorandum of a WHO meeting] **Bull WHO** 1985;63(5):851–7 (Fre)
[A new approach to vaccine development: anti-idiotypic vaccines] Lambert PH, et al. **Ther Umsch** 1986 Feb; 43(2):155–9 (9 ref.) (Eng. Abstr.) (Fre)
[Immunology and molecular biology: targetting of a vaccine] Perrin LH, et al. **Ther Umsch** 1986 Feb;43(2):148–54 (21 ref.) (Eng. Abstr.) (Fre)
[Development and present status of a leptospiral vaccine and the technology of vaccine production in China] Chen T. **Nippon Saikingaku Zasshi** 1985 Jul;40(4):755–62 (Jpn)
[From artificial antigens to artificial vaccines] Pokrovskiĭ VV. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Jul; (7):106–11 (41 ref.) (Rus)
[A malaria vaccine—illusion or reality?] Perlmann P. **Nord Med** 1985;100(12):320–1 (Swe)
[Malaria vaccine research] Sellioğlu B. **Mikrobiyol Bul** 1986 Jan;20(1):37–41 (Eng. Abstr.) (Tur)

ADMINISTRATION & DOSAGE

Q fever vaccination of sheep: challenge of immunity in ewes. Brooks DL, et al. **Am J Vet Res** 1986 Jun;47(6):1235–8
Probability of survival based on ELISA titer following challenge of vaccinated chickens with the X-73 strain of Pasteurella multocida. Briggs DJ, et al. **Avian Dis** 1985 Oct–Dec;29(4):904–11
Immunogenicity of an Escherichia coli (serotype O1) pili vaccine in chickens. Gyimah JE, et al. **Avian Dis** 1985 Oct–Dec;29(4):1078–83
Efficacy of a commercial turkey coryza vaccine (Art-Vax) in turkey poults. Jackwood MW, et al. **Avian Dis** 1985 Oct–Dec;29(4):1130–9
Tracheal populations of Mycoplasma gallisepticum after challenge of bacterin-vaccinated chickens. Kleven SH. **Avian Dis** 1985 Oct–Dec;29(4):1012–7
Embryo vaccination with infectious bursal disease virus alone or in combination with Marek's disease vaccine. Sharma JM. **Avian Dis** 1985 Oct–Dec;29(4):1155–69
Effect of thimerosal concentration on the efficacy of inactivated Newcastle disease oil-emulsion vaccines. Stone HD. **Avian Dis** 1985 Oct–Dec;29(4):1030–5
New approaches to vaccine development: memorandum from a WHO meeting. **Bull WHO** 1985;63(3):479–84
The serologic response of patients with stage II melanoma to allogeneic melanoma cell vaccines. Livingston PO, et al. **Cancer** 1985 Nov 1;56(9):2194–200
Role of muramyl peptides for the enhancement of synthetic vaccines. Chedid L, et al. **Dev Biol Stand** 1986;63:133–40 (34 ref.)
Adult immunization: protocols and problems. Fedson DS. **Hosp Pract [Off]** 1986 Jul 15;21(7):143–58
In vivo interference between pathogenic and non-pathogenic viruses. Csatary LK, et al. **J Med** 1985;16(5–6):563–73
Hepatitis B immunoprophylaxis of low-birth-weight infants [letter] Genesca J, et al. **Pediatrics** 1985 Dec;76(6):1020
Field trials to test the efficacy of polyvalent Marek's disease vaccines in layer and broiler breeder chickens. Witter RL, et al. **Poult Sci** 1985 Dec;64(12):2280–6
Hepatitis B vaccine: immune responses in children from families with an HBsAg carrier. Zahradnik JM, et al. **Vaccine** 1985 Dec;3(5):407–13
Reduction of rotavirus-, coronavirus- and E. coli-associated calf-diarrheas in a large-size dairy herd by means of dam vaccination with a triple-vaccine. Bürki F, et al. **Zentralbl Veterinarmed [B]** 1986 May;33(4):241–52
[Aerogenic immunization of rural domestic animals—a new research trend at the Riems Island Friedrich Loeffler Institute] Kaden V. **Arch Exp Veterinarmed** 1985 Sep; 39(5):692–706 (Eng. Abstr.) (Ger)
[Effectiveness and safety of vaccines. Points of reference for proper use in general practice] Scheier R. **Fortschr Med** 1986 Jun 5;104(21):421–2 (Eng. Abstr.) (Ger)
[The third generation vaccines] Stickl HA. **Padiatr Padol** 1986;21(2):197–204 (Eng. Abstr.) (Ger)
[New Swiss vaccination schedule] Just M. **Ther Umsch** 1986 Jul;43(7):565–71 (Eng. Abstr.) (Ger)
[Immunological methods of birth control] Verbitskiĭ MSh. **Vestn Akad Med Nauk SSSR** 1986;(1):28–36 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Confronting the immunization problem: proposals for compensation reform. Mariner WK, et al. **Am J Public Health** 1986 Jun;76(6):703–8
Cause and prevention of postinfectious and postvaccinal neuropathies in light of a new theory of autoimmunity. Westall FC, et al. **Lancet** 1986 Aug 2;2(8501):251–2
Vaccine compensation proposals abound on Capitol Hill [news] Sun M. **Science** 1986 Jul 25;233(4762):415
The devil and the deep blue sea [editorial] **Vaccine** 1986 Mar; 4(1):2

BIOSYNTHESIS

Tumor-specific idiotype vaccines. I. Generation and characterization of internal image tumor antigen. Raychaudhuri S, et al. **J Immunol** 1986 Sep 1;137(5):1743–9

HISTORY

[60 years of immunobiologic production in Czechoslovakia] Domorázková E, et al. **Cesk Pediatr** 1986 Jul;41(7):419–22 (Eng. Abstr.) (Cze)
[Leningrad Research Institute of Vaccines and Sera (on the centenary of vaccine and serum production in the USSR)] Lianda-Geller BA, et al. **Sov Zdravookhr** 1986;(7):67–70 (Rus)

IMMUNOLOGY

Protective immunity evoked by synthetic peptides of streptococcal M proteins. Beachey EH. **Adv Exp Med Biol** 1985;185:193–200
Recent efforts in the development of a sporozoite vaccine against human malaria. Hockmeyer WT, et al. **Adv Exp Med Biol** 1985;185:233–45
Antibody response to pneumococcal vaccine in children aged 5 to 15 years. Paton JC, et al. **Am J Dis Child** 1986 Feb; 140(2):135–8
Adoptive transfer of vaccine-induced resistance to Leishmania donovani. Jarecki-Black JC, et al. **Am J Trop Med Hyg** 1985 Nov;34(6):1095–7
Development of a sporozoite malaria vaccine. Nussenzweig V, et al. **Am J Trop Med Hyg** 1986 Jul;35(4):678–88
Malaria vaccine against sporozoites? Nussenzweig V, et al. **Ann Inst Pasteur Immunol** 1985 Nov–Dec;136D(3):301–12 (23 ref.)
Present situation and prospectives of influenza and cholera toxin vaccine. Arnon R. **Ann Sclavo** 1984;1(2):163–75
Epitope specific immunity elicited by totally synthetic monovalent or polyvalent vaccines. Chedid L, et al. **Ann Sclavo** 1984;1(2):77–85
Synthesis and perspectives of new adjuvants and carrier systems for potential application for synthetic vaccines. Jung G. **Ann Sclavo** 1984;1(2):191–208
Retrospect and prospects for synthetic vaccines: peptides, adjuvants and conjugates. Sela M. **Ann Sclavo** 1984; 1(2):11–20
Use and standardization of chemically defined antigens. Proceedings of a symposium. San Francisco, USA, 27–29 March 1985. **Dev Biol Stand** 1986;63:1–161
Potential vaccine antigens of the asexual blood-stages of Plasmodium falciparum. Anders RF, et al. **Dev Biol Stand** 1985;62:81–9
Cell activation and immunogenicity. Benjamini E, et al. **Dev Biol Stand** 1986;63:29–39 (44 ref.)
Protection of rhesus monkeys against Plasmodium knowlesi infection with merozoite vaccine. Kaushik NK, et al. **Indian J Med Res** 1986 May;83:471–9
The relationship between ovine lymphocyte antigens and faecal egg count of sheep selected for responsiveness to vaccination against Trichostrongylus colubriformis. Outteridge PM, et al. **Int J Parasitol** 1986 Aug;16(4):369–74
Preparation and characterization of a polyvalent human melanoma antigen vaccine. Bystryn JC, et al. **J Biol Response Mod** 1986 Jun;5(3):211–24
Intralymphatic autochthonous tumor cell vaccine in canine lymphoma. Jeglum KA, et al. **J Biol Response Mod** 1986 Apr;5(2):168–75
Genetic control of the immune response in mice to a Plasmodium falciparum sporozoite vaccine. Widespread nonresponsiveness to single malaria T epitope in highly repetitive vaccine. Good MF, et al. **J Exp Med** 1986 Aug 1;164(2):655–60
The identification of candidate antigens for the development of birth control vaccines. An international multi-centre study on antibodies to reproductive tract antigens, using clinically defined sera. Hjort T, et al. **J Reprod Immunol** 1985 Dec;8(4):271–8
Analyzing the joint effects of two antibodies and the design of molecularly engineered vaccines. Koopman JS. **J Theor Biol** 1985 Oct 21;116(4):569–85
Anti-idiotype antibodies may do what vaccines don't [news] Simmons K. **JAMA** 1986 Jan 24–31;255(4):447–8
Mitomycin C-augmented production of I-A antigen-positive macrophages in tumor vaccine-primed mice. Kataoka T, et al. **Jpn J Cancer Res** 1986 Mar;77(3):305–11
Identification of key antigens of Plasmodium falciparum as vaccine candidates. Bushell GR, et al. **Papua New Guinea Med J** 1986 Mar;29(1):69–73
Live vaccinia viruses for the delivery of malaria vaccines. Langford CJ. **Papua New Guinea Med J** 1986 Mar; 29(1):103–8
Influence of the particle size on the adjuvant effect of particulate polymeric adjuvants. Kreuter J, et al. **Vaccine** 1986 Jun;4(2):125–9

ISOLATION & PURIFICATION

The development of a contraceptive vaccine by purification

of antigens from gametes. Isojima S, et al. **Am J Reprod Immunol Microbiol** 1986 Mar;10(3):90–2

Vaccination against Nematospiroides dubius in mice using adult worm extracts as antigens. Fernando Monroy G, et al. **Aust J Exp Biol Med Sci** 1985 Aug;63 (Pt 4):423–30

Experimental basis for the development of a synthetic vaccine against Plasmodium falciparum malaria sporozoites. Nussenzweig V, et al. **Ciba Found Symp** 1986;119:150–63 (34 ref.)

Use of synthetic peptides as immunogens for developing a vaccine against human chorionic gonadotropin. Stevens VC. **Ciba Found Symp** 1986;119:200–25 (27 ref.)

RADIATION EFFECTS

Immunogenicity of bluetongue virus inactivated by gamma irradiation. Campbell CH. **Vaccine** 1985 Dec;3(5):401–6

STANDARDS

Field evaluation of vaccine efficacy. Orenstein WA, et al. **Bull WHO** 1985;63(6):1055–68

Biologicals and vaccines: regulatory perspectives. Petricciani JC. **Dev Biol Stand** 1986;63:15–9

The reference laboratory and vaccine control. Siim JC. **Trop Geogr Med** 1985 Sep;37(3):S50–4

[Demonstration of Mycoplasma bovis as a contaminant in live virus vaccine] Polster U. **Arch Exp Veterinarmed** 1986 Jan;40(1):147–50 (Eng. Abstr.) **(Ger)**

SUPPLY & DISTRIBUTION

Vaccine supply and liability [editorial] Mason JO. **Public Health Rep** 1986 May–Jun;101(3):229–30

VACCINES, ATTENUATED

Early protection to Junín virus of guinea pig with an attenuated Junín virus strain. de Guerrero LB, et al. **Acta Virol (Praha)** 1985 Jul;29(4):334–7

Brugia malayi: vaccination of jirds with 60cobalt-attenuated infective stage larvae protects against homologous challenge. Yates JA, et al. **Am J Trop Med Hyg** 1985 Nov; 34(6):1132–7

An experimental study of a typhoid vaccine inactivated with beta-propiolactone. Dimache G, et al. **Arch Roum Pathol Exp Microbiol** 1985 Oct–Dec; 44(4):355–61

The use of tissue culture attenuated live vaccine for Theileria hirci. Hooshmand-Rad P. **Dev Biol Stand** 1985;62:119–27

Attempted vaccination of jirds (Meriones unguiculatus) against Brugia pahangi with radiation attenuated infective larvae. Chusattayanond W, et al. **J Helminthol** 1986 Jun; 60(2):149–55

Comparison of the protective resistance induced by 60Co-irradiated cercariae and schistosomula of the WFFS and NMRI strains of Schistosoma mansoni. James ER, et al. **J Helminthol** 1985 Dec;59(4):313–7

Efficacy of UV-irradiated larval vaccine of Ancylostoma ceylanicum (Looss, 1911) in golden hamsters (Mesocricetus auratus). Menon S, et al. **J Helminthol** 1985 Dec; 59(4):287–93

Immunization of zebu calves against Fasciola gigantica, using irradiated metacercariae. Younis SA, et al. **J Helminthol** 1986 Jun;60(2):123–34

The safety of the hepatitis B vaccine. Inactivation of the AIDS virus during routine vaccine manufacture. Francis DP, et al. **JAMA** 1986 Aug 15;256(7):869–72

Establishment of the attenuated strain of porcine parvovirus for the live vaccine and its biological-immunological characteristics. Izumida A, et al. **Nippon Juigaku Zasshi** 1986 Apr;48(2):293–303

Immunity to an attenuated variant of Plasmodium berghei: role of some non-specific factors. Waki S, et al. **Parasitology** 1985 Oct;91 (Pt 2):263–72

ADMINISTRATION & DOSAGE

Antibody in tears, saliva and nasal secretions following oral immunization of humans with inactivated influenza virus vaccine. Bergmann KC, et al. **Int Arch Allergy Appl Immunol** 1986;80(1):107–9

A controlled trial for evaluating two live attenuated mumps-measles vaccines (Urabe Am 9-Schwarz and Jeryl Lynn-Moraten) in young children. Popow-Kraupp T, et al. **J Med Virol** 1986 Jan;18(1):69–79

Protective effects of nasal immunization in mice with various kinds of inactivated Sendai virus vaccines. Miyamae T. **Microbiol Immunol** 1986;30(3):213–23

Dose-response study of RIT 4237 oral rotavirus vaccine in breast-fed and formula-fed infants. Vesikari T, et al. **Pediatr Infect Dis** 1985 Nov–Dec;4(6):622–5

Humoral immunity induced by a live Francisella tularensis vaccine. Complement fixing antibodies determined by an enzyme-linked immunosorbent assay (CF-ELISA). Koskela P. **Vaccine** 1985 Dec;3(5):389–91

Observations on the use of an inactivated canine parvovirus vaccine. Smith JR, et al. **Vet Rec** 1986 Apr 5;118(14):385–7

[Long-term effect of oral immunization against influenza with a gamma ray-inactivated vaccine in mice] Noack K, et al. **Z Erkr Atmungsorgane** 1986;166(3):286–9 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Cellular immunity against Salmonella typhi after live oral vaccine. Tagliabue A, et al. **Clin Exp Immunol** 1985 Nov; 62(2):242–7

Previous immunization of mice with herpes simplex virus type-1 strain MP protects against secondary corneal infection. Sandstrom IK, et al. **Clin Immunol Immunopathol** 1986 Aug;40(2):326–34

Use of N-acetylethyleneimine [AEI] for the inactivation of Semliki Forest virus in vitro. Amor S, et al. **J Med Virol** 1986 Aug;19(4):367–76

Live Oka/Merck varicella vaccine in healthy children. Further clinical and laboratory assessment. Weibel RE, et al. **JAMA** 1985 Nov 1;254(17):2435–9

Schistosoma mansoni: liver phase challenge attrition is a stage-dependent phenomenon in guinea-pigs vaccinated with highly irradiated cercariae. McLaren DJ, et al. **Parasite Immunol** 1986 Jul;8(4):307–18

PHARMACODYNAMICS

[Intermediary effects in nonspecific defense mechanisms] Jablonski H. **DTW** 1985 Apr 9;92(4):149–51 (Eng. Abstr.) **(Ger)**

STANDARDS

[The benefit of immunization against whooping cough (letter)] Braam WJ. **Ned Tijdschr Geneeskd** 1986 Feb 15; 130(7):324 **(Dut)**

THERAPEUTIC USE

Use of influenza A virus vaccines in seronegative children: live cold-adapted versus inactivated whole virus. Feldman S, et al. **J Infect Dis** 1985 Dec;152(6):1212–8

VACCINIA

DRUG THERAPY

Immune response in vaccinia virus infected mice treated with N,N'-bis/methylisatin-beta-thioesemicarbazone/-2-methylpiperazine. Zgórniak-Nowosielska I, et al. **Arch Immunol Ther Exp (Warsz)** 1985;33(6):769–76

ENZYMOLOGY

Type I topoisomerase activity after infection of enucleated, synchronized mouse L cells by vaccinia virus. Poddar SK, et al. **J Virol** 1986 Feb;57(2):433–7

ETIOLOGY

Vaccinia virus persistence in a child against the background of immune deficiency. Gurvich EB, et al. **J Hyg Epidemiol Microbiol Immunol** 1986;30(2):177–83

METABOLISM

Novel 2',5'-oligoadenylates synthesized in interferon-treated, vaccinia virus-infected cells. Rice AP, et al. **J Virol** 1985 Dec;56(3):1041–4

PATHOLOGY

[Clinical, anatomopathological and virological study of a case of fetal vaccinia] dos Santos AU, et al. **Rev Paul Med** 1985 Jul–Aug;103(4):211–4 (Eng. Abstr.) **(Por)**

PREVENTION & CONTROL

Human recombinant interferon in the bovine species: induction of 2'5'A synthetase and antiviral activity. Vanden Broecke C, et al. **Prog Clin Biol Res** 1985;202:333–8

THERAPY

The effects of recombinant and natural human interferons in vaccinia virus infected rhesus monkeys. van der Meide PH, et al. **Antiviral Res** 1985;Suppl 1:199–207

TRANSMISSION

Smallpox vaccination and contact spread of vaccinia virus. **Bull Pan Am Health Organ** 1985;19(4):400–1

Cowpox from cat to man [letter] Pether JV, et al. **Lancet** 1986 Jan 4;1(8471):38–9

VETERINARY

Three cases of cowpox infection of domestic cats. Martland MF, et al. **Vet Rec** 1985 Sep 7;117(10):231–3

VACCINIA VIRUS

Vaccination: its birth, death and resurrection. Eighth Burnet lecture of the Australian Academy of Science, 1985. Fenner F. **Aust J Exp Biol Med Sci** 1985 Dec;63 (Pt 6):607–22 (35 ref.)

X-ray microanalysis of synchronized HeLa S3 cells infected with Vaccinia virus. Warley A, et al. **J Cell Sci** 1985 Apr; 75:401–9

Vaccinia virus growth factor: a surprising catch. Spriggs DR. **J Infect Dis** 1986 Feb;153(2):382–3

Oral vaccination of the fox against rabies using a live recombinant vaccinia virus. Blancou J, et al. **Nature** 1986 Jul 24–30;322(6077):373–5

ANALYSIS

Purification and characterization of a protein synthesis inhibitor associated with vaccinia virus. Person-Fernandez A, et al. **J Biol Chem** 1986 Jun 25;261(18):8283–9

Vaccinia virus proteins on the plasma membranes of infected cells. IV. Studies employing L cells infected with ultraviolet-irradiated vaccinia virions. Domber E, et al. **Virology** 1986 Jul 30;152(2):331–42

DRUG EFFECTS

Inhibition of vaccinia virus replication in RK-13 cells by N,N'-bis(methylisatin-beta-thioesemicarbazone)-2-methylpiperazine. Bańkowski A, et al. **Acta Virol (Praha)** 1986 May;30(3):192–8

ENZYMOLOGY

Inhibition of vaccinia RNA guanine 7-methyltransferase by compounds designed as multisubstrate adducts. Benghiat E, et al. **J Pharm Sci** 1986 Feb;75(2):142–5

Locating a nucleotide-binding site in the thymidine kinase of vaccinia virus and of herpes simplex virus by scoring triply aligned protein sequences. Gentry GA. **Proc Natl Acad Sci USA** 1985 Oct;82(20):6815–9

GENETICS

Studies of TGEV spike protein gp195 expressed in E. coli and by a TGE-vaccinia virus recombinant. Hu S, et al. **Adv Exp Med Biol** 1985;185:63–82

Resolution of linear minichromosomes with hairpin ends from circular plasmids containing vaccinia virus concatemer junctions. Merchlinsky M, et al. **Cell** 1986 Jun 20; 45(6):879–84

Conserved TAAAT motif in vaccinia virus late promoters: overlapping TATA box and site of transcription initiation. Hänggi M, et al. **EMBO J** 1986 May;5(5):1071–6

Surface expression of viral glycoproteins is polarized in epithelial cells infected with recombinant vaccinia viral vectors. Stephens EB, et al. **EMBO J** 1986 Feb;5(2):237–45

Specific transcription of orthopox virus DNA by HeLa cell RNA polymerase II. Archard LC, et al. **FEBS Lett** 1985 Nov 11;192(1):53–6

Molecular cloning of the terminal hairpin of vaccinia virus DNA as an imperfect palindrome in an Escherichia coli plasmid. Winters E, et al. **Gene** 1985;37(1–3):221–8

Identification and cloning of the fowlpox virus thymidine kinase gene using vaccinia virus. Boyle DB, et al. **J Gen Virol** 1986 Aug;67 (Pt 8):1591–600

Expression of recombinant vaccinia virus-derived alphavirus proteins in mosquito cells. Franke CA, et al. **J Gen Virol** 1985 Dec;66 (Pt 12):2761–5

Replication and resolution of cloned poxvirus telomeres in vivo generates linear minichromosomes with intact viral hairpin termini. DeLange AM, et al. **J Virol** 1986 Aug; 59(2):249–59

Fine structure marker rescue of temperature-sensitive mutations of vaccinia virus within a central conserved region of the genome. Ensinger MJ, et al. **J Virol** 1985 Dec;56(3):1027–9

Localization and fine structure of a vaccinia virus gene encoding an envelope antigen. Hirt P, et al. **J Virol** 1986 Jun;58(3):757–64

Characterization of a temperature-sensitive mutant of vaccinia virus reveals a novel function that prevents virus-induced breakdown of RNA. Pacha RF, et al. **J Virol** 1985 Nov;56(2):395–403

Transcription of vaccinia virus early genes by a template-dependent soluble extract of purified virions. Rohrmann G, et al. **J Virol** 1985 Nov;56(2):349–55

Transcriptional and translational mapping and nucleotide sequence analysis of a vaccinia virus gene encoding the precursor of the major core polypeptide 4b. Rosel J, et al. **J Virol** 1985 Dec;56(3):830–8

Gene coding for the late 11,000-dalton polypeptide of the Tian Tan strain of vaccinia virus and its 5'-flanking region: nucleotide sequence. Tsao H, et al. **J Virol** 1986 Feb; 57(2):693–6

Mapping the genomic location of the gene encoding alpha-amanitin resistance in vaccinia virus mutants. Villarreal EC, et al. **J Virol** 1986 Jan;57(1):65–70

Use of a bacterial expression vector to identify the gene encoding a major core protein of vaccinia virus. Weir JP, et al. **J Virol** 1985 Nov;56(2):534–40

Multiple 3' ends of mRNA encoding vaccinia virus growth factor occur within a series of repeated sequences downstream of T clusters. Yuen L, et al. **J Virol** 1986 Oct; 60(1):320–3

Biochemical and electron microscopic studies of the transcription of vaccinia DNA by RNA polymerase from Escherichia coli: localization and characterization of transcriptional complexes. Esteban M, et al. **J Virol Methods** 1985 Oct;12(1–2):111–33

Use of vaccinia virus as a neuropeptide expression vector. Hruby DE, et al. **Methods Enzymol** 1986;124:295–309

Vaccinia virus expression vector: coexpression of beta-galactosidase provides visual screening of recombinant virus plaques. Chakrabarti S, et al. **Mol Cell Biol** 1985 Dec;5(12):3403–9

Neomycin resistance as a dominant selectable marker for selection and isolation of vaccinia virus recombinants. Franke CA, et al. **Mol Cell Biol** 1985 Aug;5(8):1918–24

Expression of the HTLV-III envelope gene by a recombinant vaccinia virus. Chakrabarti S, et al. **Nature** 1986 Apr 10-16; 320(6062):535-7

Expression of AIDS virus envelope gene in recombinant vaccinia viruses. Hu SL, et al. **Nature** 1986 Apr 10-16; 320(6062):537-40

A tandemly-oriented late gene cluster within the vaccinia virus genome. Weinrich SL, et al. **Nucleic Acids Res** 1986 Apr 11;14(7):3003-16

Live vaccinia viruses for the delivery of malaria vaccines. Langford CJ. **Papua New Guinea Med J** 1986 Mar; 29(1):103-8

Vaccinia virus: an expresaion vector for genes from parasites. Smith GL, et al. **Parasitology** 1986;92 Suppl:S109-17 (44 ref.)

Poly(riboadenylic acid) preferentially inhibits in vitro translation of cellular mRNAs compared with vaccinia virus mRNAs: possible role in vaccinia virus cytopathology. Bablanian R, et al. **Proc Natl Acad Sci USA** 1986 Mar;83(5):1290-4

Homology between DNA polymerases of poxviruses, herpesviruses, and adenoviruses: nucleotide sequence of the vaccinia virus DNA polymerase gene. Earl PL, et al. **Proc Natl Acad Sci USA** 1986 Jun;83(11):3659-63

Resistance to human respiratory syncytial virus (RSV) infection induced by immunization of cotton rats with a recombinant vaccinia virus expressing the RSV G glycoprotein. Elango N, et al. **Proc Natl Acad Sci USA** 1986 Mar;83(6):1906-10

Localization and sequence of a vaccinia virus gene required for multiplication in human cells. Gillard S, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(15):5573-7

Expression and cell type--specific processing of human preproenkephalin with a vaccinia recombinant. Thomas G, et al. **Science** 1986 Jun 27;232(4758):1641-3

Nucleotide sequence and genetic map of the 16-kb vaccinia virus HindIII D fragment. Niles EG, et al. **Virology** 1986 Aug;153(1):96-112

Insertion and deletion mutants of vaccinia virus. Perkus ME, et al. **Virology** 1986 Jul 30;152(2):285-97

Vaccinia virus, herpes simplex virus, and carcinogens induce DNA amplification in a human cell line and support replication of a helpervirus dependent parvovirus. Schlehofer JR, et al. **Virology** 1986 Jul 15;152(1):110-7

Nucleotide sequence of the vaccinia virus hemagglutinin gene. Shida H. **Virology** 1986 Apr 30;150(2):451-62

Physical mapping and DNA sequence analysis of the rifampicin resistance locus in vaccinia virus. Tartaglia J, et al. **Virology** 1985 Dec;147(2):394-404

Vaccinia virus rifampicin-resistance locus specifies a late 63,000 Da gene product. Tartaglia J, et al. **Virology** 1986 Apr 15;150(1):45-54

Marker rescue mapping of vaccinia virus temperature-sensitive mutants using overlapping cosmid clones representing the entire virus genome. Thompson CL, et al. **Virology** 1986 Apr 15;150(1):10-20

[Genome cloning of the vaccinia virus, Tiantan strain] Yang XK, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Dec; 6(6):394-7 (Eng. Abstr.) **(Chi)**

[Isolation of a recombinant vaccinia virus based on the LIVP strain inducing the surface antigen of the hepatitis B virus] Al'tshtein AD, et al. **Dokl Akad Nauk SSSR** 1985; 285(3):696-9 **(Rus)**

GROWTH & DEVELOPMENT

Polypeptide analysis with monoclonal antibodies of A type inclusion bodies induced by cowpox virus. Kitamoto N, et al. **Arch Virol** 1986;89(1-4):15-28

Type I topoisomerase activity after infection of enucleated, synchronized mouse L cells by vaccinia virus. Poddar SK, et al. **J Virol** 1986 Feb;57(2):433-7

IMMUNOLOGY

A phase I/II SECSG (Southeastern Cancer Study Group) pilot study of surgical adjuvant immunotherapy with vaccinia melanoma oncolysates (VMO). Wallack MK, et al. **Am Surg** 1986 Mar;52(3):148-51

Live recombinant vaccines using genetically engineered vaccinia virus. Paoletti E, et al. **Antiviral Res** 1985;Suppl 1:301-7

Recombinant vaccinia viruses as new live vaccines. Smith GL, et al. **Biotechnol Genet Eng Rev** 1984;2:383-407 (96 ref.)

Recombinant vaccinia viruses as live virus vectors for vaccine antigens: memorandum from a WHO/USPHS/NIBSC meeting. **Bull WHO** 1985; 63(3):471-7

A Southeastern Cancer Study Group phase I/II trial with vaccinia melanoma oncolysates. Wallack MK, et al. **Cancer** 1986 Feb 1;57(3):649-55

Phase II study of vaccinia melanoma cell lysates (VMCL) as adjuvant to surgical treatment of stage II melanoma. II. Effects on cell mediated cytotoxicity and leucocyte dependent antibody activity: immunological effects of VMCL in melanoma patients. Hersey P, et al. **Cancer Immunol Immunother** 1986;22(3):221-31

Infection of DBA/2 or C3H/HeJ mice by intraperitoneal injection of vaccinia virus elicits activated macrophages, cytolytic and cytostatic for S91-melanoma tumor cells. Natuk RJ, et al. **Cancer Immunol Immunother** 1986; 22(3):197-203

The augmentation of tumor-specific immunity by virus help. III. Enhanced generation of tumor-specific Lyt-1+2- T cells is responsible for augmented tumor immunity in vivo. Yoshioka T, et al. **Cancer Immunol Immunother** 1986; 21(3):193-8

Recombinant vaccinia virus induces neutralising antibodies in rabbits against Epstein-Barr virus membrane antigen gp340. Mackett M, et al. **EMBO J** 1985 Dec 1; 4(12):3229-34

Lymphocyte recruitment in vaccinia virus-induced cutaneous delayed-type hypersensitivity. Issekutz TB, et al. **Immunology** 1986 May;58(1):87-94

Characteristics of lymphoblasts appearing in efferent lymph in response to immunization with vaccinia virus. Issekutz TB. **Immunology** 1985 Sep;56(1):23-31

Response of dairy calves to vaccinia viruses that express foreign genes. Gillespie JH, et al. **J Clin Microbiol** 1986 Feb;23(2):283-8

Isolation and characterization of neutralizing monoclonal antibodies to vaccinia virus. Rodriguez JF, et al. **J Virol** 1985 Nov;56(2):482-8

Reexamination of the efficacy of vaccination against mousepox. Buller RM, et al. **Lab Anim Sci** 1985 Oct; 35(5):473-6

Recombinant vaccinia viruses as vaccines. Brown F, et al. **Nature** 1986 Feb 13-19;319(6054):549-50

Accidental human vaccination with vaccinia virus expressing nucleoprotein gene [letter] Jones L, et al. **Nature** 1986 Feb 13-19;319(6054):543

Vaccinia virus antigens on the plasma membrane of infected cells. I. Viral antigens transferred from infecting virus particles and synthesized after infection. Mallon V, et al. **Virology** 1985 Mar;141(2):201-20

Identification of antigenic determinants by polyclonal and hybridoma antibodies induced during the course of infection by vaccinia virus. Wilton S, et al. **Virology** 1986 Jan 15;148(1):84-96

ISOLATION & PURIFICATION

[Changes in the properties of the vaccinia virus isolated in postvaccinal encephalitis] Vilesova IS, et al. **Vopr Virusol** 1985 Jul-Aug;30(4):477-82 (Eng. Abstr.) **(Rus)**

METABOLISM

Polyamines stimulate DNA-dependent RNA synthesis catalyzed by vaccinia virus. Moussatché N. **Biochim Biophys Acta** 1985 Nov 13;826(2-3):113-20

Specific proteins synthesized during the viral lytic cycle in vaccinia virus-infected HeLa cells: analysis by high-resolution, two-dimensional gel electrophoresis. Carrasco L, et al. **J Virol** 1986 May;58(2):569-77

Sequence-nonspecific replication of transfected plasmid DNA in poxvirus-infected cells. DeLange AM, et al. **Proc Natl Acad Sci USA** 1986 Feb;83(3):614-8

The 2-5A system and vaccinia virus. Esteban M, et al. **Prog Clin Biol Res** 1985;202:25-34 (26 ref.)

PATHOGENICITY

Decreased virulence of recombinant vaccinia virus expression vectors is associated with a thymidine kinase-negative phenotype. Buller RM, et al. **Nature** 1985 Oct 31-Nov 6; 317(6040):813-5

Epidermal growth factor receptor occupancy inhibits vaccinia virus infection. Eppstein DA, et al. **Nature** 1985 Dec 19-1986 Jan 1;318(6047):663-5

PHYSIOLOGY

Mode of sensitivity and resistance of vaccinia virus replication to interferon. Esteban M, et al. **J Gen Virol** 1986 Apr;67 (Pt 4):801-8

Characterization of vaccinia virus transcripts involved in selective inhibition of host protein synthesis. Bablanian R, et al. **Virology** 1986 Jan 30;148(2):375-80

Vaccinia virus proteins on the plasma membrane of infected cells. III. Infection of peritoneal macrophages. Natuk RJ, et al. **Virology** 1985 Dec;147(2):354-72

Reversible inactivation and reactivation of vaccinia virus by manipulation of viral lipid composition. Oie M. **Virology** 1985 Apr 30;142(2):299-306

Vaccinia-mediated rescue of encephalomyocarditis virus from the inhibitory effects of interferon. Whitaker-Dowling P, et al. **Virology** 1986 Jul 15; 152(1):50-7

ULTRASTRUCTURE

The existence of an envelope on extracellular cowpox virus and its antigenic relationship to the vaccinia envelope. Payne LG. **Arch Virol** 1986;90(1-2):125-33

VACUOLATING AGENT see **SV40 VIRUS**

VACUOLES see under **ORGANOIDS**

VACUUM see under **ATMOSPHERIC PRESSURE**

VACUUM CURETTAGE see under **DILATATION AND CURETTAGE**

VACUUM EXTRACTION, OBSTETRICAL see under **EXTRACTION, OBSTETRICAL**

VAGINA

Vaginal stimulation-produced analgesia in rats and women. Komisaruk BR, et al. **Ann NY Acad Sci** 1986;467:30-9

Dangers of the vagina. Beit-Hallahmi B. **Br J Med Psychol** 1985 Dec;58 (Pt 4):351-6

Vaginal contracept.ve activity of aryl 4-guanidinobenzoates (acrosin inhibitors) in rabbits. Kaminski JM, et al. **Contraception** 1985 Aug;32(2):183-9

The demonstration of the migration of talc from the vagina and posterior uterus to the ovary in the rat. Henderson WJ, et al. **Environ Res** 1986 Aug;40(2):247-50

Transvaginal fluoroscopic recanalization of a proximally occluded oviduct. Platia MP, et al. **Fertil Steril** 1985 Nov; 44(5):704-6

On talc translocation from the vagina to the oviducts and beyond. Wehner AP, et al. **Food Chem Toxicol** 1986 Apr; 24(4):329-38

Vaginal prosthesis for control of vesicovaginal fistula. Green DE, et al. **Gynecol Oncol** 1986 Jan;23(1):119-23

Vaginal adenosis in women born prior to the diethylstilbestrol era. Robboy SJ, et al. **Hum Pathol** 1986 May;17(5):488-92

Foreign bodies in the vagina after childbirth [letter] Heng GT. **Med J Malaysia** 1985 Mar;40(1):54-5

Selecting constant serum estradiol levels achieved by vaginal rings. Stumpf PG. **Obstet Gynecol** 1986 Jan;67(1):91-4

"China" as a symbol for vaginaGray SH. **Psychoanal Q** 1985 Oct;54(4):620-3

[Vesico-vaginal reflux in patients with hypospadia femina and spastic paresis] Dørup I, et al. **Ugeskr Laeger** 1986 May 19;148(21):1281 (Eng. Abstr.) **(Dan)**

[Vaginal evisceration. Apropos of a case] Loisel JC, et al. **Rev Fr Gynecol Obstet** 1986 Mar;81(3):157-9 (Eng. Abstr.) **(Fre)**

[A foreign body of an unusual size in the vagina of a 13-year-old girl] Kmita MB. **Pediatr Pol** 1985 Aug; 60(8):605-7 **(Pol)**

[Vaginal foreign bodies as the cause of urogenital fistulas in girls] Pesin AL. **Urol Nefrol (Mosk)** 1986 Jan-Feb; (1):65-6 **(Rus)**

ABNORMALITIES

The posterior sagittal approach to repair of vaginal atresia and imperforate anus. Dimler M, et al. **Am Surg** 1986 Feb; 52(2):72-5

Uterus duplex with a unilaterally imperforate vagina--diagnosis and treatment. Report of two cases and review of the literature. Deutsch M, et al. **Ann Chir Gynaecol** 1985;74(5):247-9

A simple surgical cure for congenital absence of the vagina. Fliegner JR. **Aust NZ J Surg** 1986 Jun;56(6):505-8

Entrapment of the fetal head in a unilateral imperforate vagina in association with complete duplication of uterus and cervix. Case report. Davies WA, et al. **Br J Obstet Gynaecol** 1985 Sep;92(9):986-8

Cloacal reconstruction and use of bilateral ischiocavernosus muscle flap for construction of the perineal body. Case report. Elstein M, et al. **Br J Obstet Gynaecol** 1986 Apr; 93(4):402-6

Intraepithelial neoplasia arising in an artificial vagina. Case report. Imrie JE, et al. **Br J Obstet Gynaecol** 1986 Aug; 93(8):886-8

Human amnion in the treatment of vaginal malformations. Morton KE, et al. **Br J Obstet Gynaecol** 1986 Jan; 93(1):50-4

Pyometrocolpos with distal vaginal agenesis. Singhal GD, et al. **J Indian Med Assoc** 1985 Feb;83(2):59-60

Uterus didelphys with one-half of a septate vagina imperforate. Sinha SK, et al. **J Indian Med Assoc** 1986 Jan;84(1):26

Rokitansky-Küster-Haüser syndrome associated with a compound mesodermal "embryopathy". A case report. Zumwalt TA. **J Reprod Med** 1985 Nov;30(11):890-2

Hydrometrocolpos, uterus didelphys, and septate vagina: an antenatal sonographic diagnosis. Russ PD, et al. **J Ultrasound Med** 1986 Apr;5(4):211-3

The Mayer-Rokitansky-Kuster-Hauser syndrome: sonographic aid to diagnosis. Swayne LC, et al. **J Ultrasound Med** 1986 May;5(5):287-9

Uterus didelphys with unilateral imperforate vagina and ipsilateral renal agenesis. Miyazaki Y, et al. **J Urol** 1986 Jan;135(1):107-9

The Mayer-Rokitansky syndrome [editorial] Stephens FD. **J Urol** 1986 Jan;135(1):106

The Mayer-Rokitansky syndrome: pathogenesis, classification and management. Tarry WF, et al. **J Urol** 1986 Sep;136(3):648-52

Infantile lymphoblastic leukemia with t(4;11) and septate uterus, double cervix, and double vagina: case report and review of the literature. Morrow RC, et al. **Med Pediatr Oncol** 1985;13(6):366-9

Genital tract reconstruction in a patient with congenital absence of the vagina and hypoplasia of the cervix. Cukier J, et al. **Obstet Gynecol** 1986 Sep;68(3 Suppl):32S-36S

Rectovaginal constriction in Jersey cattle. I Cross anatomical studies. Troyer D, et al. **Zentralbl Veterinarmed [A]** 1985 Dec;32(10):752-9

[Rokitansky-Kuster-Hauser syndrome: clinic analysis of 40 cases] Chen DY, et al.

Chung Hua Fu Chan Ko Tsa Chih 1985 Jul;20(4):220–2, 253–4 (Eng. Abstr.) **(Chi)**
[Diagnosis and treatment of a female genital tract malformation syndrome] Jin EQ.
Chung Hua Fu Chan Ko Tsa Chih 1985 Jul;20(4):223–4 **(Chi)**
[Personal experience with treatment of vaginal agenesis] Kohoutek M. **Cesk Gynekol** 1986 Jun;51(5):350–2 **(Cze)**
[110 cases of longitudinal septa of the vagina] Paniel BJ, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1985;14(8):1011–24 (Eng. Abstr.) **(Fre)**
[Morphogenesis of vaginal aplasia. Therapeutic deductions] Minh HN, et al. **Rev Fr Gynecol Obstet** 1985 Aug–Sep; 80(8–9):629–34 (Eng. Abstr.) **(Fre)**
[Plastic operations in aplasia of the vagina] Richter K. **Arch Gynecol** 1985;238(1–4):399–416 **(Ger)**
[Clinical and diagnostic aspects in Rokitansky–Küster–Hauser syndrome] Fulceri A, et al. **Ann Ostet Ginecol Med Perinat** 1985 Mar–Apr;106(2):100–4 (Eng. Abstr.) **(Ita)**
[Echotomographic diagnosis in a case of a rare genital malformation: uterus communicating with a double vagina one of which was atretic] Di Meglio A, et al. **Minerva Ginecol** 1986 Jun;38(6):469–72 (Eng. Abstr.) **(Ita)**
[A case of vaginal agenesis with rudimentary uterine horns and labio–palatal schisis] Felici A, et al. **Minerva Ginecol** 1985 Sep;37(9):501–5 (Eng. Abstr.) **(Ita)**
[A case of hydrometrocolpos with left renal agenesis] Wakabayashi A, et al. **Hinyokika Kiyo** 1985 Sep; 31(9):1635–41 (Eng. Abstr.) **(Jpn)**
[The vestibular form of female hypospadias] Podluzhnyĭ GA, et al. **Urol Nefrol (Mosk)** 1986 Jan–Feb;(1):44–6 (Eng. Abstr.) **(Rus)**
[Renal dysplasia associated with an ectopic ureteral orifice into the vagina] Bidegain MA, et al. **Rev Chil Pediatr** 1985 Jul–Aug;56(4):254–8 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

Histological changes in the vaginal connective tissue of patients with and without uterine prolapse. Mäkinen J, et al. **Arch Gynecol** 1986;239(1):17–20
Female pelvic anatomy: MR assessment of variations during the menstrual cycle and with use of oral contraceptives. McCarthy S, et al. **Radiology** 1986 Jul;160(1):119–23
Anatomy for vaginal surgery. Staskin DR, et al. **Semin Urol** 1986 Feb;4(1):2–6
[Transudation and resorption—a physiologic process in the area of the vagina?] Spitzbart H, et al. **Zentralbl Gynakol** 1985;107(17):1072–6 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

Hemodynamics of sequential orgasm. Amberson JI, et al. **Arch Sex Behav** 1985 Aug;14(4):351–60
Orgasm in women in the laboratory—quantitative studies on duration, intensity, latency, and vaginal blood flow. Levin RJ, et al. **Arch Sex Behav** 1985 Oct;14(5):439–49
Vaginal pulse amplitude response patterns during erotic conditions and sleep. Rogers GS, et al. **Arch Sex Behav** 1985 Aug;14(4):327–42

CYTOLOGY

Epithelial kinetics affect Langerhans' cells of mouse vaginal epithelium. Young WG. **Acta Anat (Basel)** 1985; 123(2):131–6
Langerhans cells in murine vaginal epithelium affected by oestrogen and topical vitamin A. Young WG, et al. **Acta Anat (Basel)** 1986;125(1):59–64
Vaginal and oral cytology of the menopause. A comparative study. Bercovici B, et al. **Acta Cytol (Baltimore)** 1985 Sep–Oct;29(5):805–9
Influence of maternal factors on the postnatal smear. Uyanwah PO. **Acta Cytol (Baltimore)** 1985 Sep–Oct; 29(5):800–4
The effect of atrophy, hyperplasia, and keratinization accompanying the estrous cycle on Langerhans' cells in mouse vaginal epithelium. Young WG, et al. **Am J Anat** 1985 Oct;174(2):173–86
Ruthenium red staining of vaginal epithelial cells and adherent bacteria. King BF. **Anat Rec** 1985 May; 212(1):41–6
Effect of digitoxin on vaginal epithelial differentiation in the Balb/c mouse. Gorwill RH, et al. **Biol Neonate** 1985; 48(2):110–3
Correlation between the vaginal cornification count and progesterone–induced withdrawal bleeding: a prospective study. Lin TJ. **Obstet Gynecol** 1967 Aug;30(2):257–9
Restoration of normal morphology and estrogen responsiveness in cultured vaginal and uterine epithelia transplanted with stroma. Cooke PS, et al. **Proc Natl Acad Sci USA** 1986 Apr;83(7):2109–13
[The cytology of the vagina, vestibule and labia minora during pregnancy] Wang JH, et al. **Sou Chuan I Hsueh Yuan Hsueh Pao** 1985 Dec;16(4):351–4 (Eng. Abstr.) **(Chi)**

DRUG EFFECTS

Oxidized sterols inhibit the formation of podophyllin–induced metaphase figures in mouse vaginal epithelia. Gaspari AA, et al. **Arch Dermatol Res** 1985;277(6):478–83
Fetal circulation 60 to 80 minutes after vaginal prostaglandin E2 in pregnant women at term. Lindblad A, et al. **Arch Gynecol** 1985;237(1):31–6
Induction of abnormal epithelial changes by estrogen in neonatal mouse vaginal transplants. Iguchi T, et al. **Cancer Res** 1985 Nov;45(11 Pt 2):5688–93
Effect of lindane on cytology and cytochemistry of exfoliated vaginal cells. Lahiri P, et al. **Exp Clin Endocrinol** 1985 Jun; 85(3):303–8
On steroid noradrenergic system interaction during the hypothalamic differentiation period in the female rat. Vidal MJ, et al. **Exp Clin Endocrinol** 1985 Dec;86(2):165–70
Drug release testing of a prostaglandin containing controlled–release vaginal device: development of a semi–automated method. Halstead GW, et al. **J Pharm Sci** 1985 Oct;74(10):1086–90
Clinical findings and ancillary studies on identical twins exposed to diethylstilbestrol in utero. A case report. Harper RH, et al. **J Reprod Med** 1986 Mar;31(3):217–8
Regulation of cultured rat vaginal epithelial cells by 17 beta–estradiol and progesterone. Conti CJ, et al. **J Steroid Biochem** 1986 Mar;24(3):747–51
Biological responses of tamoxifen in the fetal and newborn vagina and uterus of the guinea–pig and in the R–27 mammary cancer cell line. Pasqualini JR, et al. **J Steroid Biochem** 1986 Jan;24(1):99–108
Development of vaginal adenosis–like lesions and uterine epithelial stratification in mice exposed perinatally to diethylstilbestrol. Iguchi T, et al. **Proc Soc Exp Biol Med** 1986 Jan;181(1):59–65
Prostaglandin production by rat vaginal tissue, in vitro, in response to ethanol, a mild mucosal irritant. Dubin NH, et al. **Toxicol Appl Pharmacol** 1985 May;78(3):458–63
[Effect of tamoxifen and estrogens on breast cancer cell lines: MCF–7 and R–27, and on the uterus and vagina of fetal and newborn guinea–pigs] Pasqualini JR, et al. **Pathol Biol (Paris)** 1985 Dec;33(10):987–92 (Eng. Abstr.) **(Fre)**
[Hyperstimulation in elective labor induction with intravaginal PGE2 administration—recommendation on the procedure based on 2 case reports] Egarter C, et al. **Z Geburtshilfe Perinatol** 1986 Mar–Apr;190(2):87–91 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Phosphoglucomutase and esterase D activity in post–coital vaginal swabs. Garlo AM. **J Forensic Sci Soc** 1985 Jul–Aug; 25(4):301–11
Cervicovaginal peroxidases: markers of the fertile period. Tsibris JC, et al. **Obstet Gynecol** 1986 Mar;67(3):316–20

GROWTH & DEVELOPMENT

Postnatal effects on reproduction and maternal care in early– and late–maturing gerbils. Clark MM, et al. **Physiol Behav** 1986;36(6):997–1003

IMMUNOLOGY

Estradiol regulation of the secretory immune system in the female reproductive tract: IgA in uterine and vaginal secretions of rats following portacaval anastomosis. Wira CR, et al. **J Steroid Biochem** 1986 Jan;24(1):33–7
Specific antibody in the equine genital tract following local immunisation and challenge infection with contagious equine metritis organism (Taylorella equigenitalis). Widders PR, et al. **Res Vet Sci** 1986 Jan;40(1):54–8

INJURIES

Episiotomy and third–degree tears [letter] Blondel B, et al. **Br J Obstet Gynaecol** 1985 Dec;92(12):1297–8
Life–threatening vaginal hemorrhage from coital trauma. Chestnut DH, et al. **Iowa Med** 1986 Jan;76(1):12–3
Management of serious vaginal injury. A case report. Druzin ML, et al. **J Reprod Med** 1986 Feb;31(2):151–3
Effect of episiotomy on the frequency of vaginal outlet lacerations. Gass MS, et al. **J Reprod Med** 1986 Apr; 31(4):240–4
Episiotomy and third–degree tears [letter] Buekens P, et al. **Lancet** 1986 Feb 22;1(8478):441
[Perforation of the vaginal and rectal areas—self–inflicted or caused by another hand?] Missliwetz J, et al. **Arch Kriminol** 1985 Nov–Dec;176(5–6):146–52 **(Ger)**
[Surgical treatment of rectovaginal fistulae of traumatic origin] Blinnichev NM, et al. **Vestn Khir** 1985 Sep; 135(9):66–8 **(Rus)**

METABOLISM

Crystalline bodies in cervicovaginal smears. A cytochemical and immunochemical study. Zaharopoulos P, et al. **Acta Cytol (Baltimore)** 1985 Nov–Dec;29(6):1035–42
Hematoidin crystals in cervicovaginal smears. Report of two cases. Zaharopoulos P, et al. **Acta Cytol (Baltimore)** 1985 Nov–Dec;29(6):1029–34
Progesterone receptors in human vaginal tissue. Batra S, et al. **Am J Obstet Gynecol** 1985 Nov 1;153(5):524–8
Amniostat–FLM: an initial clinical trial with both vaginal pool and amniocentesis samples. Benoit J, et al. **Am J Obstet Gynecol** 1986 Jan;154(1):65–8
Estrogen and progesterone receptors in the fetal and newborn vagina of guinea pig: biological, morphological, and ultrastructural responses to tamoxifen and estradiol. Nguyen BL, et al. **Endocrinology** 1986 Sep;119(3):978–88
The growth–promoting activity of vaginal fluid for Candida albicans (and the problem of enhanced susceptibility to vaginal candidosis). Bisschop MP, et al. **Eur J Obstet Gynecol Reprod Biol** 1985 Aug;20(2):107–12
Antagonistic effect of progesterone towards estradiol dipropionate–induced changes in glycogen content in uterus and vagina of P–mice. Tripathi G, et al. **Experientia** 1985 Nov 15;41(11):1455–6

MICROBIOLOGY

Genital mycoplasma colonization in neonatal girls. Iwasaka T, et al. **Acta Obstet Gynecol Scand** 1986;65(3):269–72
Improved yield of Mobiluncus species from clinical specimens after alkaline treatment. Påhlson C, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1986 Jun; 94(3):113–6
Vaginal colonization with Escherichia coli in healthy women. Determination of relative risks by quantitative culture and multivariate statistical analysis. Chow AW, et al. **Am J Obstet Gynecol** 1986 Jan;154(1):120–6
In vitro adherence of Lactobacillus species to vaginal epithelial cells. Wood JR, et al. **Am J Obstet Gynecol** 1985 Dec 1;153(7):740–3
Qualitative and quantitative changes of the vaginal microbial flora during the menstrual cycle. Johnson SR, et al. **Am J Reprod Immunol Microbiol** 1985 Sep;9(1):1–5
Specificity and mechanism of in vitro adherence of Candida albicans. Reinhart H, et al. **Ann Clin Lab Sci** 1985 Sep–Oct; 15(5):406–13
Methods for quantitative and qualitative evaluation of vaginal microflora during menstruation. Onderdonk AB, et al. **Appl Environ Microbiol** 1986 Feb;51(2):333–9
Application of cross–linked carboxymethyl cellulose degradation by beta–glucosidase and vaginal microbes to toxic shock syndrome. Sierks MR, et al. **Appl Environ Microbiol** 1985 Sep;50(3):634–7
The relation between vaginal pH and the microbiological status in vaginitis. Hanna NF, et al. **Br J Obstet Gynaecol** 1985 Dec;92(12):1267–71
Analysis of gram–positive anaerobic cocci in oral, fecal and vaginal flora [letter] Neut C, et al. **Eur J Clin Microbiol** 1985 Aug;4(4):435–7
Quantitative studies of vaginal bacteria. Masfari AN, et al. **Genitourin Med** 1986 Aug;62(4):256–63
Adhesion of Gardnerella vaginalis to vaginal epithelial cells: variables affecting adhesion and inhibition by metronidazole. Peeters M, et al. **Genitourin Med** 1985 Dec; 61(6):391–5
Morphological studies of the cytotoxicity of Trichomonas vaginalis to normal human vaginal epithelial cells in vitro. Rasmussen SE, et al. **Genitourin Med** 1986 Aug;62(4):240–6
Effects of carbon dioxide and pH on adhesion of Candida albicans to vaginal epithelial cells. Persi MA, et al. **Infect Immun** 1985 Oct;50(1):82–90
Enhancement of Escherichia coli adherence to epithelial cells derived from estrogen–stimulated rats. Sobel JD, et al. **Infect Immun** 1986 Jul;53(1):53–6
Survival of gram positive anaerobic cocci on swabs and their isolation from the mouth and vagina. Smith GL, et al. **J Clin Pathol** 1986 Jan;39(1):93–8
Pneumococcal infection of the newborn. Harrison GA. **J Hosp Infect** 1986 Jan;7(1):98–9
Pathogenesis of vaginal candidiasis: studies with a mutant which has reduced ability to adhere in vitro. Lehrer N, et al. **J Med Vet Mycol** 1986 Apr;24(2):127–31
Pathogenicity of Candida albicans with particular reference to the vagina. Ryley JF. **J Med Vet Mycol** 1986 Feb; 24(1):5–22 (108 ref.)
Microbiology of the lower genital tract in postmenarchal adolescent girls: differences by sexual activity, contraception, and presence of nonspecific vaginitis. Shafer MA, et al. **J Pediatr** 1985 Dec;107(6):974–81
Reduced colonization of newborns with group B streptococci following washing of the birth canal with chlorhexidine. Christensen KK, et al. **J Perinat Med** 1985;13(5):239–43
Microflora in pregnancy. Zai S, et al. **JPMA** 1986 Apr; 36(4):79–81
Isolation of AIDS–associated retrovirus from genital secretions of women with antibodies to the virus. Wofsy CB, et al. **Lancet** 1986 Mar 8;1(8480):527–9
Adherence of Candida albicans to vaginal epithelia: significance of morphological form and effect of ketoconazole. Anderson ML, et al. **Mykosen** 1985 Nov; 28(11):531–40
Recurrent vulvovaginal candidiasis: vaginal epithelial cell suaceptibility to Candida albicans adherence. Trumbore DJ, et al. **Obstet Gynecol** 1986 Jun;67(6):810–2
Vaginal flora of infants and their mothers [letter] Brook I. **Pediatr Infect Dis** 1985 Nov–Dec;4(6):704–5
Childhood vaginal infections: association of Chlamydia trachomatis with sexual contact. Ingram DL, et al. **Pediatr Infect Dis** 1986 Mar–Apr;5(2):226–9
Sexually transmissible infectious agents in sexually active and virginal asymptomatic adolescent girls. Bump RC, et al. **Pediatrics** 1986 Apr;77(4):488–94
Excretion of Leptospira interrogans serovar hardjo following calving or abortion. Ellis WA, et al. **Res Vet Sci** 1985 Nov; 39(3):296–8
Vaginal colonization with mycoplasma hominis and

ureaplasma urealyticum. McCormack WM, et al. **Sex Transm Dis** 1986 Apr–Jun;13(2):67–70

A case of conjunctivitis in a neonate due to Gardnerella vaginalis. Chowdhury MN, et al. **Trop Geogr Med** 1985 Dec;37(4):365–6

Isolation of Gardnerella vaginalis from high vaginal swabs. Chowdhury MN, et al. **Trop Geogr Med** 1985 Dec; 37(4):328–33

Rapid detection of Chlamydia psittaci in vaginal swabs of aborted ewes and goats by enzyme linked immunosorbent assay (ELISA). Souriau A, et al. **Vet Microbiol** 1986 Mar; 11(3):251–9

Isolation of bacteria of the Haemophilus–Histophilus (HH) group from the genital tracts of cattle. Corbel MJ, et al. **Vet Rec** 1986 Jun 21;118(25):695–6

Porcine bacterial flora [letter] Elliott G. **Vet Rec** 1986 Mar 1;118(9):251

Determination of asymptomatic carrier rate of beta-haemolytic group B Streptococcus in vaginas of pregnant women in Ibadan, Nigeria. Olanisebe SB, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Apr; 261(2):248–53

[Vaginal microbial flora in a normal term pregnancy] Zlatkov V, et al. **Akush Ginekol (Sofiia)** 1985;24(6):31–5 (Eng. Abstr.) **(Bul)**

[Carrier rate of Candida in leukorrhea in healthy women] Gao E. **Chung Hua Fu Chan Ko Tsa Chih** 1985 Jul; 20(4):225–7, 254 (Eng. Abstr.) **(Chi)**

[Vaginal microbial flora of healthy Chinese women in Nanchang, Jiangxi Province] Xiong DX. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1986 Apr; 7(2):102–7 (Eng. Abstr.) **(Chi)**

[Vaginal flora during supportive therapy using a pessary in pregnancy] Havlík I, et al. **Cesk Gynekol** 1986 May; 51(4):258–9 **(Cze)**

[Incidence of Ureaplasma urealyticum and Mycoplasma hominis in persons examined for sterility] Vojtěchovský K, et al. **Cesk Gynekol** 1986 May;51(4):245–50 (Eng. Abstr.) **(Cze)**

[Evaluation of vaginal microflora in chronic inflammation of the adnexa] Zák F, et al. **Cesk Gynekol** 1986 Feb; 51(1):18–22 (Eng. Abstr.) **(Cze)**

[Etiology of bacterial vaginosis (non-specific vaginitis)] Lefèvre JC, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1985;14(6):703–8 (Eng. Abstr.) **(Fre)**

[Bacteriology of vaginal flora] Hahn H, et al. **Arch Gynecol** 1985;238(1–4):801–4 **(Ger)**

[Significance of Lactobacilli as normal flora] Petersen EE. **Gynakologe** 1985 Sep;18(3):128–30 **(Ger)**

[Vaginal microscopic evidence in women with symptoms of genital infection] Cerbini S, et al. **Nuovi Ann Ig Microbiol** 1985 Jan–Feb;36(1):77–84 (Eng. Abstr.) **(Ita)**

[Bacterial flora in genital organs of women using intrauterine contraceptive devices of the Copper T-200 type] Mróz E, et al. **Wiad Lek** 1985 Jun 15;38(12):845–8 (Eng. Abstr.) **(Pol)**

PARASITOLOGY

Ova of Taenia and Enterobius vermicularis in cervicovaginal smears [letter] Bhambhani S, et al. **Acta Cytol (Baltimore)** 1985 Sep–Oct;29(5):913–4

[Analysis of growth curves of Trichomonas vaginalis in the presence of Staphylococcus aureus and Escherichia coli] Horwatt E. **Wiad Parazytol** 1985;31(2):113–23 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Vaginal hyperplasia—a complication of hormone replacement therapy? Case report. Campbell JM. **Br J Obstet Gynaecol** 1986 May;93(5):514–5

Microscopic evaluation of vaginitis from a menstrual tampon. Anderson JL, et al. **J Am Coll Health** 1985 Dec;34(3):123–6

Predictive value of the "clue cells" investigation and the amine volatilization test in vaginal infections caused by Gardnerella vaginalis. Marquez-Davila G, et al. **J Clin Microbiol** 1985 Oct;22(4):686–7

[Cytodiagnosis in the prevention of intrauterine fetal hypoxia] Kobilková J, et al. **Cesk Gynekol** 1986 Apr;51(3):137–40 (Eng. Abstr.) **(Cze)**

[Morphologic changes in anterior levatorplasty] Riss P, et al. **Geburtshilfe Frauenheilkd** 1986 May;46(5):323–5 (Eng. Abstr.) **(Ger)**

[Pathogenesis and morphologic features of candidal colpitis] Bykov VL. **Arkh Patol** 1986;48(5):59–63 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Vaginal eroticism: a replication study. Alzate H. **Arch Sex Behav** 1985 Dec;14(6):529–37

The influence of antibiotics on the growth of Candida albicans in the vagina: an experiment with vaginal fluid. Bisschop MP, et al. **Eur J Obstet Gynecol Reprod Biol** 1985 Aug;20(2):113–9

Vasopressin and prolactin as stress hormones. Punnonen R, et al. **Gynecol Obstet Invest** 1986;21(2):76–9

Vaginal estrus in unmated Belding's ground squirrels. Holmes WG, et al. **Horm Behav** 1986 Jun;20(2):243–8

Vaginal eroticism and female orgasm: a current appraisal. Alzate H. **J Sex Marital Ther** 1985 Winter;11(4):271–84 (64 ref.)

The intravaginal absorption of male generated hormones and their possible effect on female behaviour. Ney PG. **Med Hypotheses** 1986 Jun;20(2):221–31

An instrument to assess the dynamic characteristics of the circumvaginal musculature. Dougherty MC, et al. **Nurs Res** 1986 Jul–Aug;35(4):202–6

The circumvaginal musculature: correlation between pressure and physical assessment. McKey PL, et al. **Nurs Res** 1986 Sep–Oct;35(5):307–9

Development and testing of the circumvaginal muscles rating scale. Worth AM, et al. **Nurs Res** 1986 May–Jun; 35(3):166–8

Use of vaginal pressure measurements in urodynamic testing. Richardson DA. **Obstet Gynecol** 1985 Oct;66(4):581–4

Estrogen but not progesterone facilitates the lordosis reaction to cervicovaginal stimulation of ovariectomized rats. Castro-Vazquez A, et al. **Physiol Behav** 1985 Jul;35(1):21–4

Effect of female odour on male hamsters mediated by the vomeronasal organ. Steel E, et al. **Physiol Behav** 1985 Aug; 35(2):195–200

The importance of vaginal-cervical stimulation for maternal behaviour in the rat. Yeo JA, et al. **Physiol Behav** 1986; 37(1):23–6

Influence of prostaglandin E2 on myoelectrical activity of the uterus and vagina in the domestic hen. Wechsung E, et al. **Poult Sci** 1985 Sep;64(9):1798–800

Urodynamic appraisal of vaginal versus rectal pressure recordings as indication of intra-abdominal pressure changes. Bhatia NN, et al. **Urology** 1986 May;27(5):482–5

[Perineometer for the measurement of vaginal pressure] Andreasen EE, et al. **Ugeskr Laeger** 1986 Mar 10; 148(11):646–8 (Eng. Abstr.) **(Dan)**

[Measurements of consistency on the portio vaginalis of the uterus employing a new apparatus to measure compliance] Nakayama H. **Nippon Ika Daigaku Zasshi** 1986 Feb; 53(1):35–43 (Eng. Abstr.) **(Jpn)**

[Circumvaginal muscles in sexual reactions of women] Siwik E, et al. **Ginekol Pol** 1985 Feb;56(2):73–7 (Eng. Abstr.) **(Pol)**

[Physiologic properties of smooth muscle of the vagina and uterine cornua and cervix of the rabbit] Tsirkin VI. **Fiziol Zh** 1986 Jul–Aug;32(4):434–42 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Placenta ingestion enhances analgesia produced by vaginal/cervical stimulation in rats. Kristal MB, et al. **Physiol Behav** 1986;36(6):1017–20

RADIOGRAPHY

Abdominal repair of vaginal prolapse and the postoperative outcome as judged by a scoring system and X-ray colpography. Nagata I, et al. **Arch Gynecol** 1985; 237(1):11–7

[Morphological investigation of vaginal rest (remnant of vagina) in patients with hypospadias and male hermaphrodism] Umehara T, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 May;76(5):635–44 (Eng. Abstr.) **(Jpn)**

SECRETION

Volatile fatty acid findings in vaginal fluid compared with symptoms, signs, other laboratory results, and susceptibility to tinidazole of malodorous vaginal discharges. Jokipii AM, et al. **Genitourin Med** 1986 Apr;62(2):102–6

Scent marking and mate choice in the golden hamster. Huck UW, et al. **Physiol Behav** 1985 Sep;35(3):389–93

SURGERY

Colpo-urethrocystopexy—a simple method for treatment of genuine primary stress incontinence. Iosif CS. **Acta Obstet Gynecol Scand** 1985;64(6):525–7

The effects of vaginal repair on anterior bladder suspension defects. A radiological and clinical evaluation. Meyhoff HH, et al. **Acta Obstet Gynecol Scand** 1985;64(5):433–5

Postoperative intussusception after vaginal vault suspension. Hunter JG, et al. **Am J Obstet Gynecol** 1986 Mar; 154(3):633–4

Partial colpocleisis. Langmade CF, et al. **Am J Obstet Gynecol** 1986 Jun;154(6):1200–5

Wellington Hospital vaginal retractor. Duncan GR. **Aust NZ J Obstet Gynecol** 1985 May;25(2):143

Prophylactic phenoxybenzamine in the prevention of postoperative retention of urine after vaginal repair: a prospective randomized double-blind trial. Lose G, et al. **Int J Gynaecol Obstet** 1985 Sep;23(4):315–20

Urinary tract infection after bladder irrigation with povidone-iodine in vaginal surgery [letter] Anderman S, et al. **Lancet** 1986 Aug 2;2(8501):294

Vaginoplasty using amnion. Ashworth MF, et al. **Obstet Gynecol** 1986 Mar;67(3):443–6

Vaginal surgery. **Semin Urol** 1986 Feb;4(1):1–62

Complications of vaginal surgery. Schmidbauer CP, et al. **Semin Urol** 1986 Feb;4(1):51–62

[A new surgical judgement in creating a neovagina in Mayer-Rokitansky-Küster syndrome] Atanasov A, et al. **Akush Ginekol (Sofiia)** 1986;25(2):27–30 (Eng. Abstr.) **(Bul)**

[Hysterocolpectomy. The method of choice in genital prolapse in geriatric patients] Hohlweg-Majert P, et al. **Fortschr Med** 1986 Jan 16;104(3):27–8 (Eng. Abstr.) **(Ger)**

[Long-term results of the operative treatment of stress incontinence by anterior colporrhaphy with diaphragmplasty] Vahlensieck WK, et al. **Geburtshilfe Frauenheilkd** 1985 Dec;45(12):887–90 (Eng. Abstr.) **(Ger)**

[Suprapubic catheter in complex vaginal operations] Bukovsky I, et al. **Harefuah** 1985 Sep;109(5–6):109–11 (Eng. Abstr.) **(Heb)**

[Comparison of the results of total hysterectomy with complete or partial suture of the vaginal stump] Neglia V. **Ann Ostet Ginecol Med Perinat** 1985 Jul–Aug; 106(4):221–4 (Eng. Abstr.) **(Ita)**

[Complete reconstruction of vagina after radical hysterectomy] Ichinoe K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Jun;38(6):965–70 **(Jpn)**

[Sacrospinous ligament fixation of vaginal apex for repair operation of uterine prolapse—operative procedure and postoperative outcome evaluated with score system and X-ray subtraction colpography] Nagata I, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Jan;38(1):29–38 (Eng. Abstr.) **(Jpn)**

[Modification of the McIndoe neovaginoplasty technic. Experience in 20 cases] Lodovici O, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1985 Jul–Aug; 40(4):166–71 (Eng. Abstr.) **(Por)**

[Hysterocolpectomy in prolapse of the uterus in the elderly woman] Lozano Elizondo A, et al. **Ginecol Obstet Mex** 1985 Jun;53:171–3 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Scanning electron microscopic changes in vaginal epithelium of suckling neonatal mice in response to estradiol or insecticide chlordecone (Kepone) passage in milk. Eroschenko VP, et al. **Toxicology** 1986 Feb;38(2):175–85

VAGINAL CREAMS, FOAMS AND JELLIES

ADVERSE EFFECTS

Serum hormone levels in men exposed to vaginal oestrogen cream: a preliminary report. Ware MD, et al. **Maturitas** 1985 Nov;7(4):373–6

VAGINAL DISEASES

[Mycotic colpitis in pregnant and non-pregnant women (diagnosis and therapy)] Soukup K, et al. **Cesk Gynekol** 1986 Feb;51(1):14–7 (Eng. Abstr.) **(Cze)**

CHEMICALLY INDUCED

[Experimental study of the local irritating action of cidipol] Kravchenko VG. **Vestn Dermatol Venerol** 1986;(6):28–30 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Recurrent oral and genital ulcers and herpetic infection. Nsouli TM, et al. **Ann Allergy** 1986 Sep;57(3):171–2, 189–92

CONGENITAL

Neonatal vaginal cysts: diagnosis and management. Klein FA, et al. **J Urol** 1986 Feb;135(2):371–2

[A case of hydrometrocolpos with left renal agenesis] Wakabayashi A, et al. **Hinyokika Kiyo** 1985 Sep; 31(9):1635–41 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Immunoperoxidase staining for the detection of herpes simplex virus antigen in cervicovaginal smears. Iwa N, et al. **Acta Cytol (Baltimore)** 1985 Sep–Oct;29(5):705–7

Endometriosis of the rectovaginal septum. Diagnosis by fine needle aspiration cytology. Leiman G, et al. **Acta Cytol (Baltimore)** 1986 May–Jun;30(3):313–6

RMN culture medium [letter] Schuler W. **Am Fam Physician** 1986 Feb;33(2):45, 50

Diagnosis of Gardnerella vaginalis infection by an enzyme-linked immunosorbent assay. Bratos MA, et al. **Eur J Clin Microbiol** 1986 Feb;5(1):46–8

Hydrometrocolpos, uterus didelphys, and septate vagina: an antenatal sonographic diagnosis. Russ PD, et al. **J Ultrasound Med** 1986 Apr;5(4):211–3

DRUG THERAPY

Amoxycillin, augmentin and metronidazole in bacterial vaginosis associated with Gardnerella vaginalis [letter] Symonds J, et al. **Genitourin Med** 1986 Apr;62(2):136

Treatment of bacterial vaginosis with an acid cream: a comparison between the effect of lactate-gel and metronidazole. Andersch B, et al. **Gynecol Obstet Invest** 1986;21(1):19–25

Comparison of oral and vaginal metronidazole therapy for nonspecific bacterial vaginosis. Bistoletti P, et al. **Gynecol Obstet Invest** 1986;21(3):144–9

Tioconazole 2% cream in the treatment of Trichomonas vaginalis or mixed vaginal infections. Donadio C. **J Int Med Res** 1986;14(1):50–2

Bacterial vaginosis [letter] **JAMA** 1986 Apr 4;255(13):1707–8

ETIOLOGY

Childhood vaginal infections: association of Chlamydia trachomatis with sexual contact. Ingram DL, et al. **Pediatr Infect Dis** 1986 Mar–Apr;5(2):226–9

The pathology of tampon usage and of the toxic shock syndrome. Fox H. **Postgrad Med J** 1985;61 Suppl 1:31–3

[Intolerance to the suspension material in urethrocervicopexy under endoscopic control] López López JA, et al. **Arch Esp Urol** 1985 May–Jun;38(3):316–8 (Eng. Abstr.) (Spa)

IMMUNOLOGY

Immunity to mycoplasmal infection of the genital tract: a mouse model. Taylor–Robinson D, et al. **Immunology** 1986 Jun;58(2):239–43

MICROBIOLOGY

[Vaginal microbiological findings in an ambulatory hospital case load] Arrota U, et al. **Minerva Ginecol** 1985 Nov; 37(11):641–4 (Eng. Abstr.) (Ita)

NURSING

[Nursing care of patients after vagina reconstruction using 3 new methods] Wu FY, et al. **Chung Hua Hu Li Tsa Chih** 1985 Oct;20(5):286–7, 277 (Chi)

PATHOLOGY

The bolous cervico–vaginal pathology. Caroti S, et al. **Clin Exp Obstet Gynecol** 1986;13(1–2):49–54

Cytologic diagnosis of extravesical malacoplakia. Chalvardjian A, et al. **Diagn Cytopathol** 1985 Jul–Sep; 1(3):216–20

Vaginal cysts: a clinicopathological study of 41 cases. Pradhan S, et al. **Int J Gynecol Pathol** 1986;5(1):35–46

PHYSIOPATHOLOGY

The growth–promoting activity of vaginal fluid for Candida albicans (and the problem of enhanced susceptibility to vaginal candidosis). Bisschop MP, et al. **Eur J Obstet Gynecol Reprod Biol** 1985 Aug;20(2):107–12

PSYCHOLOGY

Some aspects of sexuality and vaginal symptoms during menopause and their relation to anxiety and depression. Channon LD, et al. **Br J Med Psychol** 1986 Jun;59 (Pt 2):173–80

Primary vaginismus (Part 1): Social and clinical features. Barnes J. **Ir Med J** 1986 Mar;79(3):59–62

Primary vaginismus (Part 2): Aetiological factors. Barnes J. **Ir Med J** 1986 Mar;79(3):62–5

RADIOGRAPHY

A secondary vaginal stone. A case report. van Oorschot FH, et al. **Diagn Imag Clin Med** 1986;55(3):157–60

Computed tomography of vaginal cuff cyst: a late complication of hysterectomy. Davis MC, et al. **J Comput Assist Tomogr** 1986 Mar–Apr;10(2):354–6

SURGERY

Bartholin's gland abscess in an infant. A case report. Kubitz R, et al. **J Reprod Med** 1986 Jan;31(1):67–9

Laser ablation of hymenal fissures. Michlewitz H. **J Reprod Med** 1986 Jan;31(1):63–4

Vaginal surgery. **Semin Urol** 1986 Feb;4(1):1–62

[Skin–bulbocavernosus–fatty tissue flap–plasty in the treatment of postoperative vaginal stenosis] Tischendorf D. **Geburtshilfe Frauenheilkd** 1986 Mar;46(3):195–6 (Eng. Abstr.) (Ger)

THERAPY

Biofeedback as an adjunct to psychotherapy in the treatment of vaginismus [letter] Perry JD. **Biofeedback Self Regul** 1985 Jun;10(2):199–201

VETERINARY

Importance of urethral length, bladder neck position and vestibulovaginal stenosis in sphincter mechanism incompetence in the incontinent bitch. Holt PE. **Res Vet Sci** 1985 Nov;39(3):364–72

Vaginal disorders. Soderberg SF. **Vet Clin North Am [Small Anim Pract]** 1986 May; 16(3):543–59

Rectovaginal constriction in Jersey cattle. II. Light microscopic studies of tissues and in vitro cells. Troyer D, et al. **Zentralbl Veterinarmed [A]** 1986 Jan;33(1):21–6

Rectovaginal constriction in Jersey cattle. III. Hydroxyproline levels in tissues. Troyer D, et al. **Zentralbl Veterinarmed [A]** 1986 Jan;33(1):27–30

Rectovaginal constriction in Jersey cattle. V. Electromyographic studies on the external anal sphincter muscle. Troyer D, et al. **Zentralbl Veterinarmed [A]** 1986 Feb;33(2):85–8

Rectovaginal constriction in Jersey cattle. IV. Twenty–four hour urine hydroxyproline levels. Troyer D, et al. **Zentralbl Veterinarmed [A]** 1986 Feb;33(2):82–4

VAGINAL FISTULA

ETIOLOGY

[Postoperative uretero–vaginal fistula in a duplicated excretory system] Cortellini P, et al. **Acta Biomed Ateneo Parmense** 1985;56(3):143–8 (Eng. Abstr.) (Ita)

[Urogenital fistulas after gynecologic operations] Sikorski A, et al. **Ginekol Pol** 1985 Sep;56(9):557–62 (Eng. Abstr.) (Pol)

RADIOGRAPHY

[Modified technic of vaginography in the diagnosis of vaginal fistulas] Zipprich KW, et al. **Zentralbl Gynakol** 1985; 107(17):1077–80 (Eng. Abstr.) (Ger)

SURGERY

Sigmoid exclusion: a new technique in the management of radiation–induced fistula. Aitken RJ, et al. **Br J Surg** 1985 Sep;72(9):731–2

Vesicovaginal and urethrovaginal fistulae. Zimmern P, et al. **Semin Urol** 1986 Feb;4(1):24–9

Cervicovaginal fistulas: management of subsequent pregnancy. Miller JB. **South Med J** 1985 Nov; 78(11):1358–60

[Complex urogenital fistula surgically treated in the 2 University Hospital Centers of Abidjan. Value of viscero– and parietoplasties. Apropos of 1018 cases] Le Guyader A, et al. **Chirurgie** 1985;111(6):467–79 (Eng. Abstr.) (Fre)

[Urethrovaginal fistulas] Perepechal DL. **Urol Nefrol (Mosk)** 1985 Jul–Aug;(4):53–5 (Eng. Abstr.) (Rus)

VETERINARY

Chromosomal evaluation of a ewe lamb with atresia ani vaginalis. Swartz HA, et al. **Am J Vet Res** 1985 Oct; 46(10):2145–6

VAGINAL NEOPLASMS

Vaginal intraepithelial neoplasia: biologic aspects and management. Lenehan PM, et al. **Obstet Gynecol** 1986 Sep; 68(3):333–7

CHEMICALLY INDUCED

Risk factors for the development of diethylstilbestrol–associated clear cell adenocarcinoma: a case–control study. Herbst AL, et al. **Am J Obstet Gynecol** 1986 Apr;154(4):814–22

The incidence of cervical and vaginal dysplasia after exposure to DES [letter] Richart RM. **JAMA** 1986 Jan 3;255(1):36–7

[Postnatal effects of intrauterine chemical stress] Royer P. **Arch Fr Pediatr** 1985 May;42(5):343–4 (Fre)

COMPLICATIONS

[Chlamydia trachomatis infection in a patient with condylomata acuminata] Jahn G, et al. **Geburtshilfe Frauenheilkd** 1986 Jan;46(1):56–9 (Eng. Abstr.) (Ger)

[Plana condyloma as a cause of dyspareunia] Lins KO, et al. **Lakartidningen** 1985 Oct 9;82(41):3504 (Swe)

DIAGNOSIS

Clear cell adenocarcinoma (CCA) of the vagina and cervix in association with pregnancy. Senekjian EK, et al. **Gynecol Oncol** 1986 Jun;24(2):207–19

Alveolar soft part sarcoma of the vagina: an immunohistochemical and electron microscopic study. O'Toole RV, et al. **Int J Gynecol Pathol** 1985;4(3):258–65

[A method of transrectal ultrasonography in the diagnosis of the degree of progression of cervical cancer] Korzycki J, et al. **Ginekol Pol** 1986 Jan;57(1):51–5 (Eng. Abstr.) (Pol)

DRUG THERAPY

Phase II trial of cisplatin in advanced or recurrent cancer of the vagina: a Gynecologic Oncology Group Study. Thigpen JT, et al. **Gynecol Oncol** 1986 Jan;23(1):101–4

ETIOLOGY

Is hysterectomy a risk factor for vaginal cancer? Herman JM, et al. **JAMA** 1986 Aug 1;256(5):601–3

[A case of vaginal adenocarcinoma after uterine exposure to diethylstilbestrol] Schreiner WE, et al. **Schweiz Med Wochenschr** 1985 Nov 2;115(44):1555–61 (Eng. Abstr.) (Ger)

MICROBIOLOGY

Viruses, specula, and vaginal cancer [letter] Ayliffe GA. **Lancet** 1986 Jul 19;2(8499):158

PATHOLOGY

Comparison of cytohormonal status of postmenopausal women with cancer to age–matched controls. Cassano PA, et al. **Acta Cytol (Baltimore)** 1986 Mar–Apr;30(2):93–8

A morphometric study of primary adenocarcinoma of the vagina. Clark AH, et al. **Acta Cytol (Baltimore)** 1986 Jul–Aug;30(4):323–33

Endolymphatic stromal myosis of the uterus with metastasis to ovary and recurrence in vagina. Yu TJ, et al. **Acta Pathol Jpn** 1986 Feb;36(2):301–8

Microinvasive carcinoma of the vagina: a distinct clinical entity? Peters WA 3d, et al. **Am J Obstet Gynecol** 1985 Nov 1;153(5):505–7

Intraepithelial neoplasia arising in an artificial vagina. Case report. Imrie JE, et al. **Br J Obstet Gynaecol** 1986 Aug; 93(8):886–8

Mixed intestinal adenocarcinoma–argentaffin carcinoma of the vagina. Fukushima M, et al. **Gynecol Oncol** 1986 Mar; 23(3):387–94

Leiomyosarcoma of the vagina. Miyakawa I, et al. **Int J Gynaecol Obstet** 1985 Jun;23(3):213–6

A review of Papanicolaou smears in a black hospital. Miller JM, et al. **J Natl Med Assoc** 1986 May;78(5):439–40

[Rhabdomyoma of the vagina] Mazanec K, et al. **Cesk Patol** 1986 May;22(2):83–7 (Eng. Abstr.) (Cze)

[A case of primary malignant fibrous histiocytoma of the vagina] Ishihara O, et al. **Gan No Rinsho** 1986 Apr; 32(4):446–51 (Eng. Abstr.) (Jpn)

[Adenocarcinoma of the vagina] Karseladze AI, et al. **Sov Med** 1986;(5):110–2 (Rus)

PREVENTION & CONTROL

Early uterine body carcinoma: has post–operative vaginal irradiation any value? Bond WH. **Clin Radiol** 1985 Nov; 36(6):619–23

Prevention of vaginal recurrence of stage I endometrial adenocarcinoma with postoperative vaginal radiation. Marchetti DL, et al. **Obstet Gynecol** 1986 Mar; 67(3):399–402

[Formalized malignancy criteria for cytologic screening studies of vaginal smears] Vishnevskaia TM, et al. **Lab Delo** 1985;(6):349–51 (Eng. Abstr.) (Rus)

RADIOTHERAPY

A device for interstitial therapy of low pelvic tumours—the Hammersmith perineal hedgehog. Branson AN, et al. **Br J Radiol** 1985 Jun;58(690):537–42

Improved control of primary vaginal tumours by combined external–beam and interstitial radiotherapy. MacNaught R, et al. **Clin Radiol** 1986 Jan;37(1):29–32

An afterloading vaginal applicator. Biggs PJ, et al. **Int J Radiat Oncol Biol Phys** 1986 Feb;12(2):247–9

[Interstitial irradiation with Ir–192 in carcinoma of the female genital tract—report of two cases] Akine Y, et al. **Gan No Rinsho** 1986 Jun;32(7):843–8 (Eng. Abstr.) (Jpn)

[Radiation therapy of malignant vaginal tumors] Kostromina KN, et al. **Med Radiol (Mosk)** 1985 Sep;30(9):27–31 (Eng. Abstr.) (Rus)

SECONDARY

Vaginal metastasis of choriocarcinoma and invasive mole. Clinical and pathological characteristics, diagnosis and treatment. Yang XY, et al. **Chin Med J [Engl]** 1985 Jul; 98(7):463–70

Gestational trophoblastic disease: the significance of vaginal metastases. Goldberg GL, et al. **Gynecol Oncol** 1986 Jun; 24(2):155–61

Ovarian squamous cell carcinoma derived from a dermoid cyst presenting as vaginal metastasis and the implication of its steroid receptor levels—two case reports. Tamaya T, et al. **Gynecol Oncol** 1986 Jan;23(1):44–50

SURGERY

Sarcomas of the vagina and uterus: the Intergroup Rhabdomyosarcoma Study. Hays DM, et al. **J Pediatr Surg** 1985 Dec;20(6):718–24

Treatment of vaginal intraepithelial neoplasia with the CO2 laser. Curtin JP, et al. **J Reprod Med** 1985 Dec;30(12):942–4

Indirect colposcopy and laser vaporization in the management of vaginal condylomata. Wertheimer A. **J Reprod Med** 1986 Jan;31(1):39–42

[CO2 laser in surgical treatment of vulvar and vaginal cancer] Simonsen EF, et al. **Ugeskr Laeger** 1985 Nov 25; 147(48):3889–92 (Eng. Abstr.) (Dan)

THERAPY

[Malignant primary tumors of the vagina] de Laurentiis G, et al. **Minerva Ginecol** 1986 Jun;38(6):485–501 (Eng. Abstr.) (Ita)

[Clinical experiences with microwave hyperthermia by newly developed small applicators in combination with radiotherapy] Jo S, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1985 May 25; 45(5):711–6 (Eng. Abstr.) (Jpn)

[Adjuvant chemotherapy of malignant melanoma of the female genital organs] Inoue S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Jan;38(1):135–8 (Jpn)

VETERINARY

Vaginal myxoma causing urethral and colonic obstruction in a tiger. Kollias GV Jr, et al. **J Am Vet Med Assoc** 1985 Dec 1;187(11):1261–2

VAGINAL PROLAPSE see UTERINE PROLAPSE

VAGINAL SMEARS

Suggested approaches to reporting benign cervical smears that lack endocervical columnar cells [letter] Cobb CJ. **Acta Cytol (Baltimore)** 1986 May-Jun;30(3):417-8

False-negative results in cervical cytologic studies. Gay JD, et al. **Acta Cytol (Baltimore)** 1985 Nov-Dec;29(6):1043-6

Application of Diatex compound in cytology: use in preparing multiple slides from a single routine smear [letter] Jimenez-Joseph D, et al. **Acta Cytol (Baltimore)** 1986 Jul-Aug;30(4):446-7

Actinomyces in cervical smears of women using intrauterine contraceptive devices. Mali B, et al. **Acta Cytol (Baltimore)** 1986 Jul-Aug;30(4):367-71

Cytologic findings in primary malignant carcinoid tumor of the cervix. Including immunohistochemistry and electron microscopy performed on cervical smears. Miles PA, et al. **Acta Cytol (Baltimore)** 1985 Nov-Dec;29(6):1003-8

Previous cytology in patients with invasive carcinoma of the cervix [letter] Selvaggi S. **Acta Cytol (Baltimore)** 1986 May-Jun;30(3):318-9

The influence of sample takers on the cellular composition of cervical smears. Vooijs GP, et al. **Acta Cytol (Baltimore)** 1986 May-Jun;30(3):251-7

Crystalline bodies in cervicovaginal smears. A cytochemical and immunochemical study. Zaharopoulos P, et al. **Acta Cytol (Baltimore)** 1985 Nov-Dec;29(6):1035-42

Hematoidin crystals in cervicovaginal smears. Report of two cases. Zaharopoulos P, et al. **Acta Cytol (Baltimore)** 1985 Nov-Dec;29(6):1029-34

Calcofluor white detection of fungi in cytopathology. Monheit JG, et al. **Am J Clin Pathol** 1986 Feb;85(2):222-5

An analysis of the factors involved in the colposcopic evaluation of 2194 patients with abnormal Papanicolaou smears. Wetrich DW. **Am J Obstet Gynecol** 1986 Jun; 154(6):1339-49

Results of delayed follow up of abnormal cervical smears. Cotton RE, et al. **Br Med J [Clin Res]** 1986 Mar 22; 292(6523):799-800

Cervical screening: a do it yourself job for general practice. Gutteridge W. **Br Med J [Clin Res]** 1986 Feb 15; 292(6518):451-2

The "atypical" Papanicolaou smearJones WB, et al. **CA** 1986 Jul-Aug;36(4):237-42

Pap smear [letter] Maughan GM. **CA** 1986 Jul-Aug; 36(4):254-5

The validity of Pap smear parameters as predictors of endometrial pathology in menopausal women. Zucker PK, et al. **Cancer** 1985 Nov 1;56(9):2256-63

A pilot cervical cytology screening service in Perth. Lumsden G, et al. **Community Health Stud** 1986; 10(2):173-80

The predictive value of immature dysplastic cells in CIN I and II smears. Boon ME, et al. **Diagn Cytopathol** 1986 Jan-Mar;2(1):36-9

Predictive value of the abnormal PAP smear: a retrospective analysis of error rates. Kwikkel HJ, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Feb;21(2):101-12

Pilot study of cervical cytology screening in a sexually transmitted diseases clinic. Lyttle H, et al. **Genitourin Med** 1985 Oct;61(5):330-4

Management of the mildly abnormal Pap smear: a conservative approach. Brown MS, et al. **Gynecol Oncol** 1985 Oct;22(2):149-53

Specific identification of human papillomavirus type in cervical smears and paraffin sections by in situ hybridization with radioactive probes: a preliminary communication. Gupta J, et al. **Int J Gynecol Pathol** 1985; 4(3):211-8

Epidemiological and clinical correlates of endocervical chlamydial infections in female university students presenting for routine pap examination. Haberberger RL Jr, et al. **J Am Coll Health** 1985 Jun;33(6):262-3

A review of Papanicolaou smears in a black hospital. Miller JM, et al. **J Natl Med Assoc** 1986 May;78(5):439-40

Endocervical curettage as a routine part of colposcopic examinations for abnormal cervical cytology. Saltzman DH, et al. **J Reprod Med** 1985 Nov;30(11):871-3

Correlation between cervical cytology and biopsy in an air force colposcopy clinic. Smith KH, et al. **J Reprod Med** 1985 Sep;30(9):681-4

Gynecological care of elderly women. Another look at Papanicolaou smear testing. Mandelblatt J, et al. **JAMA** 1986 Jul 18;256(3):367-71

Cervical smear policy [letter] **Lancet** 1985 Dec 7;2(8467):1305

Koilocyte frequency in positive cervical smears as indicator of sexual promiscuity [letter] Boon ME, et al. **Lancet** 1986 Jan 25;1(8474):205

Cervical screening [letter] Smith A. **Lancet** 1986 Jan 11; 1(8472):105

Papanicolaou smears and genital warts [letter] Evans MF. **Med J Aust** 1986 Jul 21;145(2):119-20

Invasive carcinoma of the cervix in young women. Roberts AW, et al. **Med J Aust** 1985 Oct 14;143(8):333-5

Controlling cervical cancer. Fruchter RG. **NY State J Med** 1986 Jun;86(6):283-4

A survey of Pap smear screening in upstate New York. Howe HL, et al. **NY State J Med** 1986 Jun;86(6):291-6

Cervical screening [letter] Briant RH. **NZ Med J** 1985 Oct 23;98(789):915

A comparison of the ages of patients with cervical smears showing human papilloma virus, dysplasia and carcinoma in situ changes [letter] Chang AR. **NZ Med J** 1986 Mar 26;99(798):205-6

A simple plan to encourage women to have cervical smears [letter] Chang AR. **NZ Med J** 1986 Jun 25;99(804):468

Screening for cervical cancer [letter] Duncan GR, et al. **NZ Med J** 1985 Sep 25;98(787):821

Screening for cervical cancer [letter] Hicks S, et al. **NZ Med J** 1985 Dec 11;98(792):1058

Cytology, colposcopy and cervical neoplasia. MacLean AB, et al. **NZ Med J** 1985 Sep 11;98(786):756-8

A comparison of preoperative exfoliative cervical cytology with subsequent histology. Parker A, et al. **NZ Med J** 1986 Jun 11;99(803):414-6

Cervical screening [letter] Skegg DC. **NZ Med J** 1986 Jan 22;99(794):26-7

Identification of human papilloma virus in cervical swabs [letter] Okagaki T. **Obstet Gynecol** 1985 Nov;66(5):746-7

Cervical cancer screening. Who needs a Pap test? How often? Benedet JL, et al. **Postgrad Med** 1985 Dec;78(8):69-71, 74-6, 78-9

Cervical chlamydial infections: diagnostic accuracy of the Papanicolaou smear. Clark RB, et al. **South Med J** 1985 Nov;78(11):1301-3

The annual cervical Pap smear. Inhorn SL. **Wis Med J** 1986 May;85(5):34-6

[Preliminary cervical cytological examinations in women with carcinoma of the uterine cervix] Daugård HO, et al. **Ugeskr Laeger** 1985 Dec 2;147(49):3992-4 (Eng. Abstr.) **(Dan)**

[Unexpected positive results in vaginal smears] Beau G, et al. **Rev Fr Gynecol Obstet** 1986 Apr;81(4):229-31 (Eng. Abstr.) **(Fre)**

[Cell patterns induced by human papilloma virus in samples sent to a cytodiagnostic central laboratory] Schieck H. **Zentralbl Gynakol** 1985;107(17):1081-4 (Eng. Abstr.) **(Ger)**

[Comparison between a computerized morphometric analysis and microscopic observation of exfoliative cytology of the uterine cervix] Pancino O, et al. **Boll Soc Ital Biol Sper** 1986 Feb 28;62(2):227-32 (Eng. Abstr.) **(Ita)**

[Diagnostic accuracy of vaginal smears and histopathologic studies in the early detection of cervical cancer] Dolatowski R, et al. **Ginekol Pol** 1986 Jan;57(1):64-7 (Eng. Abstr.) **(Pol)**

[Histopathologic verification of suspicious results of cytologic examinations of the cervix uteri] Gerber J, et al. **Ginekol Pol** 1986 Feb;57(2):158-61 (Eng. Abstr.) **(Pol)**

[Results of cytological examinations conducted in Torun 1979-1983] Janiszewska U, et al. **Ginekol Pol** 1985 Dec; 56(12):735-41 (Eng. Abstr.) **(Pol)**

[Comparison of 2 systems of organizing cytologic examinations in the diagnosis and prevention of cervical cancer] Pilawski Z, et al. **Ginekol Pol** 1986 Jan;57(1):68-71 (Eng. Abstr.) **(Pol)**

[Analysis of 20 years' activity of the Cytogynecologic Clinic] Ulman J, et al. **Ginekol Pol** 1986 Feb;57(2):117-21 (Eng. Abstr.) **(Pol)**

[Formalized malignancy criteria for cytologic screening studies of vaginal smears] Vishnevskaia TM, et al. **Lab Delo** 1985;(6):349-51 (Eng. Abstr.) **(Rus)**

ECONOMICS

Cost of saving a life by cervical screening [letter] Roberts CJ, et al. **Lancet** 1985 Oct 26;2(8461):950

Can Papanicolaou and the public purse keep up? [editorial] Coppleson M. **Med J Aust** 1985 Oct 14;143(8):328-9

HISTORY

Concurrent discoveries of the value of vaginal smears for diagnosis of uterine cancer. Koprowska I. **Diagn Cytopathol** 1985 Jul-Sep;1(3):245-8

INSTRUMENTATION

The pulse wash instrument. A new sampling method for uterine cervical cancer detection. Näslund I, et al. **Am J Clin Oncol** 1986 Aug;9(4):327-33

METHODS

Consequences of the introduction of combined spatula and Cytobrush sampling for cervical cytology. Improvements in smear quality and detection rates. Boon ME, et al. **Acta Cytol (Baltimore)** 1986 May-Jun;30(3):264-70

Papanicolaou smears without endocervical cells. Are they inadequate? Kivlahan C, et al. **Acta Cytol (Baltimore)** 1986 May-Jun;30(3):258-60

The efficiency of the Cytobrush versus the cotton swab in the collection of endocervical cells in cervical smears. Trimbos JB, et al. **Acta Cytol (Baltimore)** 1986 May-Jun; 30(3):261-3

Evaluation of the pulse wash sampling technique for screening of uterine cervical carcinoma. Näslund I, et al. **Acta Radiol [Oncol]** 1986 Mar-Apr;25(2):131-6

Investigation of the visual cytoscreening of conventional gynecologic smears. I. Analysis of slide movement. Schenck U, et al. **Anal Quant Cytol Histol** 1986 Mar; 8(1):35-45

The smear test. Craig S. **Aust Fam Physician** 1985 Oct; 14(10):1092, 1094

A protocol for Papanicolaou staining of cytologic specimens following flow analysis. Berkan TK, et al. **Cytometry** 1986 Jan;7(1):101-3

Detection of herpesvirus cervicovaginitis by a sequential Papanicolaou--immunoperoxidase technique. Lozano de Arce EA, et al. **Diagn Cytopathol** 1985 Jan-Mar;1(1):23-7

Concanavalin A-peroxidase labeling in cervical exfoliative cytopathology. II. Routine assessment of labeling results. Davina JH, et al. **Gynecol Oncol** 1985 Oct;22(2):224-32

An improved technique for Papanicolaou smear sampling in postmenopausal women [letter] Brock CD, et al. **J Fam Pract** 1986 Jun;22(6):498, 500

Correlation of vaginal hormonal cytograms with cervical mucus symptoms as observed by women using the ovulation method of natural family planning. Taylor RS, et al. **J Reprod Med** 1986 Mar;31(3):167-72

[The significance of endocervical cells in the vaginal smear and a new technic for the collection of endocervical smears (letter)] Boon ME, et al. **Ned Tijdschr Geneeskd** 1986 Mar 22;130(12):557 **(Dut)**

PSYCHOLOGY

Knowledge and attitudes on screening for cervical cancer [letter] Garrett L, et al. **NZ Med J** 1986 Aug 13;99(807):597

STANDARDS

The adequate Papanicolaou smear revisited. Greening SE. **Diagn Cytopathol** 1985 Jan-Mar;1(1):55-8

[The impending loss of screening for cervix uteri carcinoma in the Netherlands] Lammes FB. **Ned Tijdschr Geneeskd** 1986 Apr 12;130(15):673-4 **(Dut)**

[Study on the maintenance of the accuracy of cytological diagnosis in the mass screening of uterine cervical cancer] Takahashi K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 May;38(5):633-7 (Eng. Abstr.) **(Jpn)**

UTILIZATION

The Papanicolaou test in elderly women [editorial] Riesenberg DE. **JAMA** 1986 Jul 18;256(3):393

Use of pap smear in general practice by case finding or screening programme. Olesen F. **Scand J Prim Health Care** 1986 Feb;4(1):59-62

VAGINITIS

Vaginitis: current microbiologic and clinical concepts. Hill LV, et al. **Can Med Assoc J** 1986 Feb 15;134(4):321-31 (88 ref.)

[Bacterial vaginosis] Magurský V. **Cesk Gynekol** 1986 Apr; 51(3):184-90 **(Slo)**

CHEMICALLY INDUCED

Effects of the spermicide nonoxynol-9 on the pregnant uterus and the conceptus of rat. Tryphonas L, et al. **Toxicology** 1986 May;39(2):177-86

COMPLICATIONS

Toxic shock syndrome, contraceptive methods, and vaginitis. Lanes SF, et al. **Am J Obstet Gynecol** 1986 May; 154(5):989-91

Preterm labor associated with subclinical amniotic fluid infection and with bacterial vaginosis. Gravett MG, et al. **Obstet Gynecol** 1986 Feb;67(2):229-37

[Chlamydia trachomatis infection in a patient with condylomata acuminata] Jahn G, et al. **Geburtshilfe Frauenheilkd** 1986 Jan;46(1):56-9 (Eng. Abstr.) **(Ger)**

[Emphysematous vaginitis: a clinical case] Tisné J, et al. **Rev Chil Obstet Ginecol** 1984;49(6):439-41 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Genital chlamydial infections in the female. Weström L. **Arch Gynecol** 1985;238(1-4):811-9

Detection of herpesvirus cervicovaginitis by a sequential Papanicolaou--immunoperoxidase technique. Lozano de Arce EA, et al. **Diagn Cytopathol** 1985 Jan-Mar;1(1):23-7

Predictive value of the "clue cells" investigation and the amine volatilization test in vaginal infections caused by Gardnerella vaginalis. Marquez-Davila G, et al. **J Clin Microbiol** 1985 Oct;22(4):686-7

Lower genitourinary infections in women. Berg AO, et al. **J Fam Pract** 1986 Jul;23(1):61-7 (42 ref.)

Vaginosis [editorial] Mårdh PA. **Scand J Prim Health Care** 1986 May;4(2):65-7

Diagnostic value of clinical examination, direct microscopy, and culture in the Gardnerella vaginalis syndrome. Schmidt H, et al. **Scand J Prim Health Care** 1985 Sep;3(3):145-9

[Bacterial vaginosis] Eschenbach DA. **Arch Gynecol** 1985; 238(1-4):822-4 **(Ger)**

[Pelvic inflammatory disease and nonspecific vaginitis] Kunz J. **Ther Umsch** 1985 Nov;42(11):781-6 (36 ref.) (Eng. Abstr.) **(Ger)**

[Herpes simplex virus type 2 infection. Etiology, clinical aspects, diagnosis, therapy, HSV-2 and cervix cancer] Kunkel M, et al. **Zentralbl Gynakol** 1985;107(24):1473-8 (Eng. Abstr.) **(Ger)**

[Features of the preliminary stage of labor in pregnant women with inflammatory diseases of the uterine cervix] Vdovin SV, et al. **Akush Ginekol (Mosk)** 1986 Jan;(1):29–31 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Treatment of vaginitis with benzydamine: preliminary results of a randomized study. Brémond A, et al. **Int J Tissue React** 1985;7(3):225–7

In-vitro and in-vivo activity of metronidazole against Gardnerella vaginalis, Bacteroides spp. and Mobiluncus spp. in bacterial vaginosis. Jones BM, et al. **J Antimicrob Chemother** 1985 Aug;16(2):189–97

Randomized comparative study on the treatment of vaginal mycosis by single dose of isoconazole and multiple dose of nystatin. Koetsawang A, et al. **J Med Assoc Thai** 1986 Mar;69(3):148–52

Treatment of the Gardnerella vaginalis syndrome. A controlled, double-blind study comparing pivampicillin and metronidazole. Hansen JG, et al. **Scand J Prim Health Care** 1985 Sep;3(3):151–4

[Effectiveness of 400 mg miconazole pellets in various types of vaginitis] Blanc B. **Rev Fr Gynecol Obstet** 1985 Jan; 80(1):61–3 **(Fre)**

[Single dose therapy of vaginal mycoses. Effectiveness of clotrimazole and econazole] Glasser A. **Fortschr Med** 1986 Mar 27;104(12):259–62 (Eng. Abstr.) **(Ger)**

[Treatment of vaginitis of diverse etiology with a new preparation derived from thiophene] Ranchet G, et al. **Clin Ter** 1985 Sep 15;114(5):417–23 (Eng. Abstr.) **(Ita)**

[Clinical experiences in the pharmacological treatment of vaginitis with a camomile-extract vaginal douche] Benetti C, et al. **Minerva Ginecol** 1985 Dec;37(12):799–801 (Eng. Abstr.) **(Ita)**

[Antibacterial activity of meclocycline (Mecloderm) in non-specific vaginitis. Study of 262 cases] Grio R, et al. **Minerva Ginecol** 1986 Mar;38(3):163–5 (Eng. Abstr.) **(Ita)**

[Treatment and prevention of colpitis (report 2)] Letuchikh AA. **Akush Ginekol (Mosk)** 1985 Jul;(7):65–72 **(Rus)**

ETIOLOGY

Vaginitis emphysematosa in a renal transplant patient. Tjugum J, et al. **Acta Obstet Gynecol Scand** 1986; 65(4):377–8

The neglected ring pessary. Rachagan SP, et al. **Asia Oceania J Obstet Gynaecol** 1986 Mar;12(1):75–7

[Etiology of bacterial vaginosis (non-specific vaginitis)] Lefèvre JC, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1985;14(6):703–8 (Eng. Abstr.) **(Fre)**

MICROBIOLOGY

Improved yield of Mobiluncus species from clinical specimens after alkaline treatment. Påhlson C, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1986 Jun; 94(3):113–6

Is there a causal connection between motile curved rods, Mobiluncus species, and bleeding complications? Larsson PG, et al. **Am J Obstet Gynecol** 1986 Jan;154(1):107–8

The relation between vaginal pH and the microbiological status in vaginitis. Hanna NF, et al. **Br J Obstet Gynaecol** 1985 Dec;92(12):1267–71

Contribution of Gardnerella vaginalis to vaginitis in a general practice. O'Dowd TC, et al. **Br Med J [Clin Res]** 1986 Jun 21;292(6536):1640–2

Microbiology of the lower genital tract in postmenarchal adolescent girls: differences by sexual activity, contraception, and presence of nonspecific vaginitis. Shafer MA, et al. **J Pediatr** 1985 Dec;107(6):974–81

Microflora in pregnancy. Zai S, et al. **JPMA** 1986 Apr; 36(4):79–81

Vaginal discharge and Gardnerella vaginalis. Predisposing factors. Hansen JG, et al. **Scand J Prim Health Care** 1985 Sep;3(3):141–3

Prevalence of nonspecific vaginitis and other cervicovaginal infections during the third trimester of pregnancy. Paavonen J, et al. **Sex Transm Dis** 1986 Jan–Mar;13(1):5–8

[Isolation and identification of Gardnerella vaginalis] Debruères J, et al. **Pathol Biol (Paris)** 1985 Jun;33(6):687–92 (Eng. Abstr.) **(Fre)**

[Malodorous leukorrhea caused by Gardnerella vaginalis vaginitis. Biochemical study of vaginal secretions (letter)] Dellenbach P, et al. **Presse Med** 1985 Sep 28;14(32):1711–2 **(Fre)**

[Prevalence of 7 microorganisms in abnormal vaginal secretions (vaginitis)] Roupas A, et al. **Schweiz Med Wochenschr** 1985 Oct 19;115(42):1454–60 (Eng. Abstr.) **(Fre)**

[Mycoses in gynecology and obstetrics—a constant challenge] Mendling W. **Gynakologe** 1985 Sep;18(3):177–83 **(Ger)**

[Amine colpitis] Petersen EE. **Gynakologe** 1985 Sep; 18(3):131–5 **(Ger)**

[Symptomatic and asymptomatic vaginitis. Microbiological, clinical and therapeutic aspects] Bianchi P, et al. **Clin Ter** 1986 Jul 15;118(1):23–31 (Eng. Abstr.) **(Ita)**

[Vaginal microscopic evidence in women with symptoms of genital infection] Cerbini S, et al. **Nuovi Ann Ig Microbiol** 1985 Jan–Feb;36(1):77–84 (Eng. Abstr.) **(Ita)**

PATHOLOGY

[Problems of vaginal mycoses] Spitzbart H, et al. **Zentralbl Gynakol** 1985;107(24):1520–4 (Eng. Abstr.) **(Ger)**

THERAPY

Lactobacillus acidophillus and vitamin B complex in the treatment of vaginal infection. Friedlander A, et al. **Panminerva Med** 1986 Jan–Mar;28(1):51–3

[Treatment of recurrent urogenital infections by immunomodulation] Henocq E, et al. **Ann Urol (Paris)** 1985;19(6):371–5 (Eng. Abstr.) **(Fre)**

VETERINARY

Experimental induction of vaginitis in heifers by infection with Haemophilus somnus. Patterson RM, et al. **Aust Vet J** 1986 May;63(5):163–5

Studies on bovine herpesviruses. Part 1. Isolation and characterization of viruses isolated from the genital tract of cattle. Theodoridis A. **Onderstepoort J Vet Res** 1985 Dec;52(4):239–54

VAGOTOMY

Fiber composition of the recurrent laryngeal nerve after experimental vagotomy and sympathectomy. A qualitative study by light and electron microscopy. Dahlqvist A, et al. **Acta Anat (Basel)** 1986;125(2):114–20

Changes in T-lymphocyte subsets after elective surgery. Madsbad S, et al. **Acta Chir Scand** 1986 Feb;152:81–4

Afferent vagal control of fluid absorption in the feline jejunum. Sjövall H. **Acta Physiol Scand** 1985 Sep; 125(1):125–33

Is duodenal ulcer perforation best treated with vagotomy and pyloroplasty? Bennett KG, et al. **Am J Surg** 1985 Dec; 150(6):743–7

The effect of fundoplication with or without proximal gastric vagotomy on gastric emptying and serum gastrin. Olinde AJ, et al. **Am Surg** 1985 Dec;51(12):690–2

Pyloric reconstruction for severe vasomotor dumping after vagotomy and pyloroplasty. Cheadle WG, et al. **Ann Surg** 1985 Nov;202(5):568–72

Specific postoperative syndromes after total and selective vagotomies in the rat. Kraly FS, et al. **Appetite** 1986 Mar; 7(1):1–17

Effects of vagotomy and drugs on the ventricular fibrillation threshold of normal and ischemic hearts in the anesthetized rat. Huang TF, et al. **Arch Int Pharmacodyn Ther** 1985 Nov;278(1):128–41

Bile composition and bile acid pool size. Comparison after truncal, selective, and highly selective vagotomy. Witz M, et al. **Arch Surg** 1985 Nov;120(11):1306–9

Gastric secretory responses to modified sham feeding (MSF) and insulin after vagotomy. Athow AC, et al. **Br J Surg** 1986 Feb;73(2):132–5

Proximal gastric vagotomy or truncal vagotomy and drainage for chronic duodenal ulcer? Clark CG, et al. **Br J Surg** 1986 Apr;73(4):298–300

Gastro-oesophageal reflux and oesophagitis before and after vagotomy for duodenal ulcer. Flook D, et al. **Br J Surg** 1985 Oct;72(10):804–7

Catecholamine infusion in vagotomized dogs during thiamylal-halothane and pentobarbital anesthesia. Bednarski RM, et al. **Cornell Vet** 1985 Oct;75(4):512–23

Protection of gastric mucosa in rats. Differences between vagotomy, atropine, and PGE2. Foschi D, et al. **Dig Dis Sci** 1986 Mar;31(3):289–96

Effect of antisecretory agents and vagotomy on healing of "chronic" cysteamine-induced duodenal ulcers in rats. Poulsen SS, et al. **Dig Dis Sci** 1986 Jul;31(7):753–9

Trophic effect of truncal vagotomy on the rat pancreas. Koop H, et al. **Digestion** 1986;33(4):198–205

Angiotensin II receptor binding in the rat nucleus tractus solitarii is reduced after unilateral nodose ganglionectomy or vagotomy. Lewis SJ, et al. **Eur J Pharmacol** 1986 Jun 17;125(2):305–7

Effect of truncal vagotomy on neurotensin-like immunoreactivity release in dogs. Yoshiya K, et al. **Gastroenterol Jpn** 1985 Jun;20(3):197–200

The influence of truncal vagotomy on acute gastric mucosal lesion in obstructive jaundice. Kodama O, et al. **Hiroshima J Med Sci** 1985 Sep;34(3):347–50

Effect of naloxone on taste behavior in normal and selective gastric vagotomized rats. Radhakrishnan V, et al. **Indian J Exp Biol** 1986 Mar;24(3):182–4

Effects of vagotomy on respiratory mechanics in newborn and adult pigs. Clement MG, et al. **J Appl Physiol** 1986 Jun;60(6):1992–9

Reflex control of blood pressure and heart rate by arterial baroreceptors and by cardiopulmonary receptors in the unanaesthetized cat. Ramirez AJ, et al. **J Hypertens** 1985 Aug;3(4):327–35

Ultrastructural changes in the dorsal motor nucleus of monkey following bilateral cervical vagotomy. Ling EA, et al. **J Neurocytol** 1986 Feb;15(1):1–15

No tube regimen in gastric surgery (a study of 201 cases). Dorairajan N, et al. **J Postgrad Med** 1985 Apr;31(2):102–4

Anterior lesser curve seromyotomy and posterior truncal vagotomy for chronic duodenal ulcer. Moss JG, et al. **J R Coll Surg Edinb** 1985 Aug;30(4):239–41

Changes in muscarinic acetylcholine receptors in guinea-pig lung: effects of aging, inhalation of an allergen, administration of drugs, and vagotomy. Suzuki R, et al. **Lung** 1985;163(3):173–82

Trophic and antitrophic circuits controlling pancreatic weight in the rat. Tiscornia OM, et al. **Mt Sinai J Med (NY)** 1986 May;53(5):343–55

Transneuronal changes in the myenteric ganglia of the monkey following vagotomy. Vaithilingam UD, et al. **Neuroscience** 1986 Mar;17(3):829–36

Intensification of the base deficit induced by vagotomy after atropine treatment in dogs. Shukla R, et al. **Pharmacol Res Commun** 1985 Jul;17(7):643–51

Cytoprotection by PGE2, pirenzepine or vagotomy: a transmission and scanning electron microscopic study in rats. Trabucchi E, et al. **Pharmacol Res Commun** 1986 Apr; 18(4):357–69

Choline acetyltransferase activity and distribution in rat hearts after bilateral cervical vagotomy. Slavíková J, et al. **Physiol Bohemoslov** 1985;34(3):217–23

The effect of vagotomy on the increase in food intake induced by the cholecystokinin antagonist, proglumide. Shillabeer G, et al. **Regul Pept** 1985 Oct;12(2):91–9

Respiratory effects of chronic intrathoracic vagotomy in rabbits. Szereda-Przestaszewska M. **Respiration** 1986; 49(2):122–9

Ovulation, follicular growth and ovarian reactivity to exogenous gonadotropins in adult rats with unilateral or bilateral section of the vagi nerves. Cruz ME, et al. **Rev Invest Clin** 1986 Apr–Jun;38(2):167–71

Truncal vagotomy and Roux-en-Y drainage of the stomach—an experimental study. Lawson HH. **S Afr J Surg** 1986 Mar;24(1):29–31

Effect of different denervation procedures on catecholamines in the gut. Graffner H, et al. **Scand J Gastroenterol** 1985 Dec;20(10):1276–80

The simplified endoscopic Congo Red test for completeness of vagotomy. Donahue PE, et al. **Surg Gynecol Obstet** 1986 Sep;163(3):287–9

Gastrectomy for recurrent ulcer after vagotomy: five- to nineteen-year follow-up. Hoffmann J, et al. **Surgery** 1986 May;99(5):517–22

What happens to the parietal cell following truncal vagotomy? Argov S, et al. **World J Surg** 1986 Jun; 10(3):450–3

[Cardiovascular and respiratory effects of carotid sinus nerve section and vagotomy in dogs] Chiang CH. **Taiwan I Hsueh Hui Tsa Chih** 1986 Mar;85(3):222–33 (Eng. Abstr.) **(Chi)**

[Effects of vagotomy on the secretion of secretin] Tatkan Y. **J Chir (Paris)** 1985 Dec;122(12):711–6 (Eng. Abstr.) **(Fre)**

[The effect of vagotomy on carcinogenesis in the glandular stomach of rats, induced by N-methyl-N'-nitro-N-nitrosoguanidine] Tsunemi S, et al. **Gan No Rinsho** 1985 Sep;31(11):1393–7 (Eng. Abstr.) **(Jpn)**

[Study of the histogenesis and effect of vagotomy during gastric carcinogenesis by N-methyl-N'-nitro-N-nitrosoguanidine in rats—with special reference to atypical lesions] Takagi F. **Nippon Geka Gakkai Zasshi** 1986 May;87(5):518–30 (Eng. Abstr.) **(Jpn)**

[Motility of the stomach and duodenum in pre- and post truncal vagotomy] Yoshida M, et al. **Nippon Heikatsukin Gakkai Zasshi** 1985 Aug;21(4):365–7 **(Jpn)**

[Changes in the mucosa of the duodenum and stomach as a result of experimental duodenal ulcers and vagotomy] Balbekov IM, et al. **Arkh Anat Gistol Embriol** 1985 Jun; 88(6):69–72 (Eng. Abstr.) **(Rus)**

[Nerve elements of the heart of the rat after right-sided vagotomy] Pavlovich ER, et al. **Arkh Anat Gistol Embriol** 1985 Jul;89(7):24–8 (Eng. Abstr.) **(Rus)**

[Morphological research on the effect of vagotomy on the parietal microflora of the stomach and duodenum] Balbekov IM, et al. **Biull Eksp Biol Med** 1986 Apr; 101(4):496–8 (Eng. Abstr.) **(Rus)**

[Use of prolonged peridural anesthesia for preventing postvagotomy complications] Afanasenko VP, et al. **Klin Khir** 1985;(8):45–6 (Eng. Abstr.) **(Rus)**

[Sequelae of vagotomy in treating peptic ulcer] Dudenko GI, et al. **Klin Khir** 1985;(8):6–8 (Eng. Abstr.) **(Rus)**

[Immediate and late results of truncal vagotomy with drainage operations on the stomach in the surgery of complicated forms of duodenal peptic ulcer] Khachiev LG, et al. **Klin Khir** 1985;(8):40–2 (Eng. Abstr.) **(Rus)**

[Regional blood flow in the gastric and duodenal mucosa of duodenal ulcer patients before and after selective proximal and truncal vagotomies] Koval'chuk LA. **Klin Khir** 1985;(8):10–2 (Eng. Abstr.) **(Rus)**

[Effect of vagctomy on the paracrine mechanisms of stomach acid production] Sibul' UF, et al. **Klin Khir** 1985;(8):8–10 (Eng. Abstr.) **(Rus)**

[Truncal vagotomy and gastric antrum function in duodenal ulcer patients] Vakhidov VV, et al. **Klin Khir** 1985;(8):13–5 (Eng. Abstr.) **(Rus)**

[Clinico-morphological comparisons in patients with bronchial asthma after denervation of the lungs] Babichev SI, et al. **Sov Med** 1985;(12):13–6 (Eng. Abstr.) **(Rus)**

[An improved experimental model for studying post-vagotomy complications in patients with duodenal

ulcer] Eletskii IuK, et al. **Vestn Akad Med Nauk SSSR** 1985;(7):61–8 (Eng. Abstr.) (Rus)

[Importance of electrogastrography and pharmacological tests in assessing gastric motor function in vagotomy] Rychagov GP, et al. **Vestn Khir** 1986 Feb;136(2):32–7 (Eng. Abstr.) (Rus)

[Estimation and evaluation of the long-term results of vagotomy] Sitenko BM, et al. **Vestn Khir** 1986 Jun; 136(6):28–32 (Eng. Abstr.) (Rus)

[Effects of a series of food substances on motor and emptying function of the gastric stump and diverting intestinal loop after stomach resection and truncal vagotomy] Loranskaia TI, et al. **Vopr Pitan** 1986 Jan–Feb;(1):19–22 (Eng. Abstr.) (Rus)

[Vagotomy and gastroduodenal hemorrhage] Daniš J, et al. **Bratisl Lek Listy** 1985 Sep;84(3):308–13 (Eng. Abstr.) (Slo)

[Influence of gastric acid secretion on the control of ingested food] Menéndez-Abraham E, et al. **Rev Esp Enferm Apar Dig** 1986 Apr;69(4):334–8 (Eng. Abstr.) (Spa)

[Gastric hypersecretion and duodenal ulcer [letter] Varas Lorenzo MJ, et al. **Rev Esp Enferm Apar Dig** 1985 Sep; 68(3):282–4 (Spa)

[Importance of vagotomy in the prevention of marginal ulcers in Whipple's procedure] Rojas Ortega S, et al. **Rev Gastroenterol Mex** 1986 Apr–Jun;51(2):53–8 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

Phytobezoars—an overlooked cause of small bowel obstruction following vagotomy and drainage operations for duodenal ulcer. Vellar DJ, et al. **Aust NZ J Surg** 1986 Aug;56(8):635–8

Bile reflux and the gastric mucosal barrier after truncal vagotomy and drainage. Gough MJ. **Br J Surg** 1985 Nov; 72(11):853–8 (104 ref.)

Dysphagia following vagotomy. Leduc JR, et al. **Can J Surg** 1985 Nov;28(6):537–8

Lithium fluxes across the gastric mucosa after truncal vagotomy and drainage—an objective assessment of mucosal injury. Gough MJ, et al. **Gut** 1986 Mar; 27(3):249–54

Endoscopic treatment of suture line bleeding ulcer caused by nonabsorbable suture material in postvagotomy patients. Witz M, et al. **Isr J Med Sci** 1985 Dec;21(12):982–4

[Enterogastric refluximetry in duodenal ulcer patients subjected to the intervention of vagotomy or gastric resection] Micheletto G, et al. **Minerva Chir** 1986 Apr 15; 41(7):493–8 (Ita)

[Vagotomy does not cause pyloric spasm—vagotomy and gastric motility] Shiratori T. **Nippon Geka Gakkai Zasshi** 1986 Aug;87(8):827–33 (Jpn)

[Effect of vagotomy combined with gastric resection on morphofunctional shifts in the peripheral autonomic nervous system] Kogut BM. **Khirurgiia (Mosk)** 1985 Oct; (10):51–5 (Eng. Abstr.) (Rus)

[Early complications of vagotomy] Manevich VL, et al. **Khirurgiia (Mosk)** 1986 Apr;(4):107–11 (Rus)

[Errors and complications in treating perforating duodenal ulcers by vagotomy] Seniutovich RV, et al. **Khirurgiia (Mosk)** 1986 Jul;(7):114–7 (Rus)

[Pathological states following vagotomy] Gorbashko AI, et al. **Vestn Khir** 1985 Dec;135(12):126–30 (Eng. Abstr.) (Rus)

[Diagnosis and treatment of postvagotomy and postresection disorders in peptic ulcer] Kamardin LN, et al. **Vestn Khir** 1985 Dec;135(12):20–5 (Eng. Abstr.) (Rus)

[Cholecystolithiasis after vagotomy] Nechal AI, et al. **Vestn Khir** 1986 Apr;136(4):17–20 (Eng. Abstr.) (Rus)

[Prevention of the complications of vagotomy connected with the technic used to perform the operation] Nechal AI, et al. **Voen Med Zh** 1985 Nov;(11):55–6 (Rus)

METHODS

Closed pyloroduodenal digital dilatation as a complementary drainage procedure to truncal vagotomy. Hai AA, et al. **Int Surg** 1986 Apr–Jun;71(2):87–90

The history and surgical anatomy of the vagus nerve. Skandalakis LJ, et al. **Surg Gynecol Obstet** 1986 Jan; 162(1):75–85

[Neuralgic points in the vagotomy technic] Muller C. **Chirurg** 1986 Jul;57(7):425–31 (Ger)

[Determination of the completeness of proximal selective vagotomy by measuring the increase in serum gastrin levels and decrease in gastric juice secretion] Dubecz S, et al. **Orv Hetil** 1986 Apr 27;127(17):1015–8 (Eng. Abstr.) (Hun)

[Subvaterian ulcerative stenosis; vagotomy and exclusion resection with double Y-loop gastric and duodenal anastomosis] Rădulescu D, et al. **Rev Chir [Chir]** 1986 May–Jun;35(3):209–12 (Eng. Abstr.) (Rum)

[Surgical treatment of low-lying duodenal ulcers by gastric resection for exclusion of the ulcer and bilateral subdiaphragmatic truncal vagotomy] Chkheidze MIa. **Khirurgiia (Mosk)** 1985 Oct;(10):38–40 (Eng. Abstr.) (Rus)

[Dumping syndrome after vagotomy] Shvarts VIa. **Klin Med (Mosk)** 1985 Nov;63(11):70–6 (Eng. Abstr.) (Rus)

[Clinico-endoscopic evaluation of the results of vagotomy in duodenal ulcers] Malstrenko NA, et al. **Vestn Khir** 1986 May;136(5):20–4 (Eng. Abstr.) (Rus)

[Results of truncal vagotomy in duodenal ulcer with disorders of cardial function] Marfin BI, et al. **Vestn Khir** 1985 Oct;135(10):25–7 (Eng. Abstr.) (Rus)

[Effect of different types of vagotomy on the blood circulation of the stomach and liver in patients with duodenal ulcer] Martov IuB, et al. **Vestn Khir** 1986 Jan; 136(1):23–6 (Eng. Abstr.) (Rus)

[Experience with the treatment of peptic ulcer] Zemlianoĭ AG. **Vestn Khir** 1986 Apr;136(4):9–17 (Eng. Abstr.) (Rus)

[Truncal vagotomy and estrogens in ulcus. Experimental study] Calvo Zapata M, et al. **Rev Esp Enferm Apar Dig** 1986 Aug;70(2):113–8 (Eng. Abstr.) (Spa)

MORTALITY

Mortality and morbidity after anterior lesser curve seromyotomy with posterior truncal vagotomy for duodenal ulcer. Taylor TV, et al. **Br J Surg** 1985 Dec; 72(12):950–1

REHABILITATION

[Patient rehabilitation after gastric resection and vagotomy] Benedikt VV, et al. **Klin Khir** 1985;(8):57–8 (Rus)

VAGOTOMY, PARIETAL CELL see **VAGOTOMY, PROXIMAL GASTRIC**

VAGOTOMY, PROXIMAL GASTRIC

Early and late results after antrectomy, selective vagotomy and Roux-en-Y reconstruction for severe peptic ulcer disease. Karlqvist PA, et al. **Acta Chir Scand** 1986 May; 152:357–61

Proximal gastric vagotomy and segmental gastrectomy in duodenal ulcer disease—a preliminary report. Nilsell K, et al. **Acta Chir Scand [Suppl]** 1986;530:23–4

Proximal gastric vagotomy: the first 25 years. Donahue PE, et al. **Adv Surg** 1986;19:139–73 (72 ref.)

Acid and pepsin responses to graded doses of pentagastrin in duodenal and corporeal gastric ulcer patients before and after selective proximal vagotomy. Emås S, et al. **Am J Surg** 1985 Nov;150(5):543–9

Clinical results of reoperation after failed highly selective vagotomy. Ingvar C, et al. **Am J Surg** 1986 Sep; 152(3):308–12

Recurrence after highly selective vagotomy should be treated by gastric resection [editorial] Jordan GL Jr. **Am J Surg** 1986 Sep;152(3):312–3

Late effects of proximal gastric vagotomy compared with antrectomy and selective vagotomy for chronic duodenal ulcer. A randomized study with 5-year follow-up. Pääkkönen M, et al. **Ann Clin Res** 1985;17(3):90–5

Proximal gastric vagotomy. Follow-up of 109 patients for 6–13 years. Herrington JL Jr, et al. **Ann Surg** 1986 Aug; 204(2):108–13

Highly selective vagotomy with dilatation or duodenoplasty. A surgical alternative for obstructing duodenal ulcer. Hooks VH 3d, et al. **Ann Surg** 1986 May;203(5):545–50

Duodenoplasty and proximal gastric vagotomy in peptic stenosis. Experience with 43 cases. Barroso FL, et al. **Arch Surg** 1986 Sep;121(9):1021–4

Bile composition and bile acid pool size. Comparison after truncal, selective, and highly selective vagotomy. Witz M, et al. **Arch Surg** 1985 Nov;120(11):1306–9

Simple suture with or without proximal gastric vagotomy for perforated duodenal ulcer. Ceneviva R, et al. **Br J Surg** 1986 Jun;73(6):427–30

Proximal gastric vagotomy or truncal vagotomy and drainage for chronic duodenal ulcer? Clark CG, et al. **Br J Surg** 1986 Apr;73(4):298–300

Clinical results 1–10 years after highly selective vagotomy in 306 patients with prepyloric and duodenal ulcer disease. Enskog L, et al. **Br J Surg** 1986 May;73(5):357–60

Lack of correlation between intragastric pressure and early gastric emptying rate after proximal gastric vagotomy. Oliveira RB, et al. **Braz J Med Biol Res** 1985;18(4):471–5

Molecular forms of gastrin in antrum and duodenum after parietal cell vagotomy. Rasmussen OO, et al. **Dan Med Bull** 1986 Aug;33(4):196–8

Epithelial cell proliferation in human fundic and antral mucosae. Influence of superselective vagotomy and relationship with gastritis. Gutierrez O, et al. **Dig Dis Sci** 1985 Nov;30(11):1034–42

Endoscopic study of the stomach after selective proximal vagotomy in patients with duodenal ulcer. Fujita H, et al. **Endoscopy** 1986 Mar;18(2):46–8

Total 24-hour gastric acid secretion in patients with duodenal ulcer. Comparison with normal subjects and effects of cimetidine and parietal cell vagotomy. Feldman M, et al. **Gastroenterology** 1986 Mar;90(3):540–4

Sample taking problems in measuring actual histamine levels of human gastroduodenal mucosa: specific and general relevance in clinical trials on peptic ulcer pathogenesis and selective proximal vagotomy. Thon KP, et al. **Gut** 1985 Nov;26(11):1165–78

Effects of proximal gastric vagotomy on gastric secretory and plasma hormonal responses to sham feeding in patients with duodenal ulcers. Forichon J, et al. **Hepatogastroenterology** 1986 Jun;33(3):115–9

Parietal cell vagotomy in the surgical treatment of chronic duodenal, pyloric and prepyloric ulcer disease. Graffner HO, et al. **Int Surg** 1985 Apr–Jun;70(2):139–44

Effect of selective gastric vagotomy on gustatory behavior in rats. Radhakrishnan V, et al. **J Auton Nerv Syst** 1986 Jun;16(2):127–36

Studies on the effects of various types of surgery on electrical and contractile activities of the canine stomach. Komi N, et al. **Nippon Heikatsukin Gakkai Zasshi** 1985 Jul;21 Suppl:19–26

Gastric motility and emptying in health and after vagotomy and after gastric resection. Shiratori T, et al. **Nippon Heikatsukin Gakkai Zasshi** 1985 Jul;21 Suppl:127–34

24-H study of gastric acidity and bile acid concentration after parietal cell vagotomy. Gotthard R, et al. **Scand J Gastroenterol** 1986 May;21(4):503–8

Acid secretory tests in peptic ulcer disease before and after parietal cell vagotomy. Graffner H, et al. **Scand J Gastroenterol** 1986 Jan;21(1):41–6

Are acid and pepsin reduction the only effects of highly selective vagotomy. Evidence of changes in tissue levels of gastrin, prostaglandins and lysosomal acid hydrolases in an experimental ulcer model. Hall A, et al. **Surg Gastroenterol** 1984;3(2):34–40

A prospective randomized study of effect of proximal gastric vagotomy and vagotomy and antrectomy on bile reflux, endoscopic mucosal abnormalities and gastritis. Hoare AM, et al. **Surg Gastroenterol** 1984;3(2):54–9

Symptomatic and asymptomatic ulcer recurrence following highly selective vagotomy. Maddern GJ, et al. **Surg Gastroenterol** 1984;3(2):29–33

A five to ten year follow-up study of parietal cell vagotomy. Rossi RL, et al. **Surg Gynecol Obstet** 1986 Apr;162(4):301–6

Regional gastric mucosal blood flow after parietal cell vagotomy in dogs. Soybel DI, et al. **Surgery** 1986 Aug; 100(2):167–74

[Parietal cell vagotomy with pyloric dilatation for pyloric obstruction] Zhang Y. **Chung Hua Wai Ko Tsa Chih** 1985 Jun;23(6):356, 382 (Eng. Abstr.) (Chi)

[Gastric pepsin secretion after highly selective vagotomy in duodenal ulcer patients] Zheng FM, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Jun;23(6):341–2, 381 (Eng. Abstr.) (Chi)

[Recurrent ulcer after supraselective vagotomy for duodenal ulcer. What is the cause: the preoperative acidity, the method or the surgeon?] Johnston D. **Chirurgie** 1985; 111(8):621–6 (Eng. Abstr.) (Fre)

[Stenotic duodenal ulcers treated by fundic vagotomy-duodenoplasty. Remote results] Rignault D, et al. **Chirurgie** 1985;111(3):273–8 (Eng. Abstr.) (Fre)

[Ulcerative pyloroduodenal stenosis. Late results of isolated fundus denervation after a peroperative permeability test] Stoppa R, et al. **Chirurgie** 1985;111(6):499–501 (Fre)

[Supra-selective vagotomy: a desirable intervention in duodenal ulcer] Weerts JM, et al. **Rev Med Liege** 1985 Nov 1;40(21):742–6 (Fre)

[10 years' results following proximal selective vagotomy in duodenal ulcer disease. A prospective study] Teichmann RK, et al. **Chirurg** 1985 Aug;56(8):515–21 (Eng. Abstr.) (Ger)

[Survey on vagotomy] Allgöwer M, et al. **Langenbecks Arch Chir** 1986;367(3):153–4 (Ger)

[Vagotomy and vagotomy follow-up—results of a survey] Junginger T, et al. **Langenbecks Arch Chir** 1986; 367(3):155–66 (Eng. Abstr.) (Ger)

[Deglutition disorder with bolus occlusion of the esophagus—a rare early postoperative complication following selective proximal vagotomy] Koch HD, et al. **Zentralbl Chir** 1985;110(17):1079–81 (Ger)

[G-I hormones and gastric functions—with special reference to the pyloroplasty for the selective proximal vagotomy] Hanyu N, et al. **Nippon Geka Gakkai Zasshi** 1985 Sep; 86(9):1157–60 (Eng. Abstr.) (Jpn)

[The effect of antral branch on canine antral gastrin and somatostatin concentrations in gastric vagotomy] Tautsui M. **Nippon Geka Gakkai Zasshi** 1985 Nov;86(11):1505–16 (Eng. Abstr.) (Jpn)

[Long term follow-up-study of selective vagotomy with pyloroplasty—physiological and electron microscopical studies of gastrin] Watanabe Y, et al. **Nippon Geka Gakkai Zasshi** 1985 Sep;86(9):1169–72 (Eng. Abstr.) (Jpn)

[Functions of the stomach after parasympathetic denervation of the fundus and uncoupling of the fundus and antral portions] Grolsman SD, et al. **Fiziol Zh SSSR** 1986 Apr; 72(4):513–9 (Eng. Abstr.) (Rus)

[Intraoperative control of the adequacy of selective proximal vagotomy] Briskin BS, et al. **Khirurgiia (Mosk)** 1985 Oct; (10):25–9 (Eng. Abstr.) (Rus)

[Selective proximal vagotomy in the treatment of duodenal ulcer in young people] Korzh VN, et al. **Khirurgiia (Mosk)** 1985 Oct;(10):3–6 (Eng. Abstr.) (Rus)

[Results of selective proximal vagotomy in perforated pyloroduodenal ulcer] Krakovskiĭ AI, et al. **Khirurgiia (Mosk)** 1986 Apr;(4):15–9 (Eng. Abstr.) (Rus)

[Results of selective proximal vagotomy in patients with hypersecretion] Kuzin MI, et al. **Khirurgiia (Mosk)** 1986 Apr;(4):3–7 (Eng. Abstr.) (Rus)

[Acid-producing function of the stomach following a

selective proximal vagotomy in patients with extremely high levels of acid production] Postolov PM, et al. **Khirurgiia (Mosk)** 1986 Apr;(4):8–15 (Eng. Abstr.) (Rus)

[Effect of selective proximal vagotomy on the amino acid composition of the blood serum in duodenal ulcer patients] Khachiev GL, et al. **Klin Khir** 1985;(8):17–8 (Eng. Abstr.) (Rus)

[Regional blood flow in the gastric and duodenal mucosa of duodenal ulcer patients before and after selective proximal and truncal vagotomies] Koval'chuk LA. **Klin Khir** 1985;(8):10–2 (Eng. Abstr.) (Rus)

[Mucosal function of the upper digestive tract in duodenal peptic ulcer patients after selective proximal vagotomy] Pavlovskii MP, et al. **Klin Khir** 1985;(8):69 (Rus)

[Effect of selective proximal vagotomy on gastric secretion in chronic gastroduodenitis and duodenal peptic ulcer in children] Pereslegin AE, et al. **Klin Khir** 1986;(6):15–8 (Eng. Abstr.) (Rus)

[Results of selective proximal vagotomy in the surgical treatment of pyloroduodenal ulcers] Shalimov AA, et al. **Klin Khir** 1985;(8):1–4 (Eng. Abstr.) (Rus)

[Immunological basis for vagotomy without drainage of the stomach] Shevchuk MG, et al. **Klin Khir** 1985;(8):4–6 (Eng. Abstr.) (Rus)

[Neuroendocrine factors in determining the indications for vagotomy in patients with duodenal ulcer] Aliev MA, et al. **Klin Med (Mosk)** 1985 Jul;63(7):109–14 (Eng. Abstr.) (Rus)

[Prognosis of the long-term results of selective proximal vagotomy] Mintser OP, et al. **Vestn Khir** 1986 Jun; 136(6):25–8 (Eng. Abstr.) (Rus)

[Surgical treatment of duodenal ulcer with maximum acid production] Postolov PM, et al. **Vestn Khir** 1986 Jun; 136(6):141–5 (52 ref.) (Rus)

[Status of the digestive organs in peptic ulcer patients following selective proximal vagotomy] Chubenko SS, et al. **Vrach Delo** 1986 May;(5):20–3 (Eng. Abstr.) (Rus)

[Changes in the structure of the gastric and duodenal mucosa after selective proximal vagotomy] Degtiareva LV, et al. **Vrach Delo** 1985 Oct;(10):25–8 (Rus)

[Micromorphometric study of changes in the gastric mucosa after proximal selective vagotomy in rats] Daniš J, et al. **Cesk Patol** 1986 Mar;22(1):41–5 (Eng. Abstr.) (Slo)

[The significance of proximal selective vagotomy in the prevention of gastric stress ulcers] Černý J, et al. **Rozhl Chir** 1986 Mar;65(3):158–63 (Eng. Abstr.) (Slo)

[Response of the lower esophageal sphincter to 2-deoxyglucose after proximal gastric vagotomy] Calvo MA, et al. **Rev Esp Enferm Apar Dig** 1986 Apr;69(4):317–20 (Eng. Abstr.) (Spa)

[Proximal gastric vagotomy in duodenal ulcer. I: Indications, technic, gastric emptying and complications] García-Barón Portolés A, et al. **Rev Esp Enferm Apar Dig** 1986 Jan; 69(1):25–30 (Eng. Abstr.) (Spa)

[Proximal gastric vagotomy in duodenal ulcer. II. Study of gastric secretion] García-Barón Portoles A, et al. **Rev Esp Enferm Apar Dig** 1986 Feb;69(2):129–32 (Eng. Abstr.) (Spa)

[Proximal gastric vagotomy. A study of 34 recurrences in 1,150 operated patients since 1970] Narbona B, et al. **Rev Esp Enferm Apar Dig** 1986 Aug;70(2):107–11 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

Manifestation of severe dysphagia in patients with epiphrenic diverticula after proximal selective vagotomy. Swart B. **Radiat Med** 1985 Apr–Jun;3(2):77–8

[Early necrotic ulcer of the lesser curvature of the stomach following supraselective vagotomy. Apropos of a case] Joris E, et al. **Acta Chir Belg** 1985 Nov–Dec;85(6):354–8 (Eng. Abstr.) (Fre)

[Proximal selective vagotomy and the lower esophageal sphincter. Experimental research] Monni S, et al. **Minerva Dietol Gastroenterol** 1986 Apr–Jun;32(2):173–6 (Eng. Abstr.) (Ita)

[Risk factors in selective proximal vagotomy] Saenko VF, et al. **Khirurgiia (Mosk)** 1986 Apr;(4):19–23 (Eng. Abstr.) (Rus)

[Rare complication of vagotomy] Volchkov AS. **Klin Khir** 1985;(8):58–9 (Rus)

[Ischemic necrosis of the gastric fundus after selective proximal vagotomy] Ivanov NI. **Vestn Khir** 1985 Nov; 135(11):132–3 (Rus)

[Dumping syndrome following selective proximal vagotomy] Petrov VP, et al. **Vestn Khir** 1986 Jan;136(1):77–9 (Eng. Abstr.) (Rus)

[Prevention and treatment of early complications of selective proximal vagotomy] Petrov VP, et al. **Vestn Khir** 1985 Jul; 135(7):17–21 (Eng. Abstr.) (Rus)

[State of the gastric mucosa at remote periods after stomach resection and organ-sparing operations in duodenal ulcer] Saenko VF, et al. **Vestn Khir** 1985 Nov;135(11):39–41 (Eng. Abstr.) (Rus)

[Intraparietal gastric hematomas. An infrequent complication of oxyntic-cell vagotomy. Apropos of 2 cases] Fernández Dovale M, et al. **Rev Esp Enferm Apar Dig** 1985 Nov; 68(5):385–9 (Eng. Abstr.) (Spa)

[Proximal gastric vagotomy in duodenal ulcer. III: Postoperative symptomatology, results and treatment of recurrence] García-Barón Portolés A, et al. **Rev Esp Enferm Apar Dig** 1986 Mar;69(3):233–8 (Eng. Abstr.) (Spa)

METHODS

[Treatment of gastroesophageal reflux. Value of parietal cell vagotomy associated with Nissen's fundoplicature] Samama G, et al. **Presse Med** 1986 Feb 15;15(6):255–6 (Eng. Abstr.) (Fre)

[Neuralgic points in the vagotomy technic] Muller C. **Chirurg** 1986 Jul;57(7):425–31 (Ger)

[Surgical procedure in performing a selective proximal vagotomy on patients with pyloroduodenal stenosis] Spivak VP, et al. **Klin Khir** 1985;(8):34–5 (Eng. Abstr.) (Rus)

[Ways of preventing dumping syndrome after surgical treatment of stomach and duodenal ulcer] Vakhidov VV, et al. **Vestn Khir** 1985 Aug;135(8):23–6 (Eng. Abstr.) (Rus)

TRENDS

[Possibilities of introducing selective proximal vagotomy into the practice of general surgical departments] Makshanov IIa, et al. **Khirurgiia (Mosk)** 1985 Oct;(10):40–4 (Eng. Abstr.) (Rus)

VAGOTOMY, SELECTIVE PROXIMAL see VAGOTOMY, PROXIMAL GASTRIC

VAGUS NERVE

Gold thioglucose selectively damages dorsal vagal nuclei. Powley TL, et al. **Brain Res** 1986 Mar 5;367(1–2):192–200

Schwannomas of the vagus nerve in the head and neck. St Pierre S, et al. **J Otolaryngol** 1985 Jun;14(3):167–70

Vagal body tumors: diagnosis and treatment. Moore G, et al. **Laryngoscope** 1986 May;96(5):533–6

Malignant schwannoma of the cervical vagus nerve in a patient with neurofibromatosis (von Recklinghausen's disease). Jackson RM, et al. **Otolaryngol Head Neck Surg** 1986 Jun;94(5):641–4

[Transient paralysis of the vagus and the hypoglossal nerves in pertussis in a 2 1/2-month-old infant] Cataldo F, et al. **Pediatria (Napoli)** 1983 Oct–Dec;91(4):429–34 (Eng. Abstr.) (Ita)

[In vitro growth of lingual epithelial basal cells as affected by an extract of the nodose ganglion] Nadeev FI, et al. **Biull Eksp Biol Med** 1986 Apr;101(4):474–5 (Eng. Abstr.) (Rus)

[Pulmonary edema in the rat, guinea pig, rabbit, cat and dog after various actions on the vagus nerves ("vagal edema")] Tel'LZ, et al. **Fiziol Zh** 1985 Nov–Dec;31(6):707–11 (Eng. Abstr.) (Rus)

[Roentgenofunctional symptomocomplex of respiratory disorders in tumors of the neck with involvement of the vagus nerve in the process] Amosov IS, et al. **Vestn Rentgenol Radiol** 1986 Jan–Feb;(1):40–4 (Eng. Abstr.) (Rus)

ANATOMY & HISTOLOGY

The nervus vagus. Claes J, et al. **Acta Otorhinolaryngol Belg** 1986;40(1):215–41

Longitudinal columnar organization within the dorsal motor nucleus represents separate branches of the abdominal vagus. Fox EA, et al. **Brain Res** 1985 Aug 26;341(2):269–82

Wheat germ agglutinin-ricin A-chain conjugate is neuronotoxic after vagal injection. Oeltmann TN, et al. **Brain Res** 1986 Jul 9;377(2):221–8

Brainstem connections of vagal afferent nerves in the ferret: an autoradiographic study. Odekunle A, et al. **J Anat** 1985 May;140 (Pt 3):461–9

Tracer diffusion has exaggerated CNS maps of direct preganglionic innervation of pancreas. Fox EA, et al. **J Auton Nerv Syst** 1986 Jan;15(1):55–69

Extrinsic pathways of the adrenergic innervation of the guinea-pig trachealis muscle. Smith RV, et al. **J Auton Nerv Syst** 1985 Sep;14(1):61–73

Observations on the afferent and efferent organization of the vagus nerve and the innervation of the stomach in the squirrel monkey. Gwyn DG, et al. **J Comp Neurol** 1985 Sep 8;239(2):163–75

Topographic representation of visceral target organs within the dorsal motor nucleus of the vagus nerve of the pigeon Columba livia. Katz DM, et al. **J Comp Neurol** 1985 Dec 15;242(3):397–414

Topographic and laminar organization of the vagal gustatory system in the goldfish, Carassius auratus. Morita Y, et al. **J Comp Neurol** 1985 Aug 8;238(2):187–201

The central organization of the vagus nerve innervating the stomach of the rat. Shapiro RE, et al. **J Comp Neurol** 1985 Aug 22;238(4):473–88

The topographical organization of the vagal motor column in the elasmobranch fish, Scyliorhinus canicula L. Withington-Wray DJ, et al. **J Comp Neurol** 1986 Jun 1; 248(1):95–104

A proposed neural pathway for vocalization in South African clawed frogs, Xenopus laevis. Wetzel DM, et al. **J Comp Physiol [A]** 1985 Dec;157(6):749–61

Extracellular osmiophilic oval bodies in the vagal and facial lobes of Carassius auratus (Teleostei–Cyprinidae). Rubio Saez M, et al. **J Hirnforsch** 1985;26(5):597–9

A retrograde tracer strategy using True Blue to label the preganglionic parasympathetic innervation of the abdominal viscera. Sterner MR, et al. **J Neurosci Methods** 1985 Sep;14(4):273–80

Differential distribution of vagal afferent neurons from the rat liver. Carobi C, et al. **Neurosci Lett** 1985 Dec 4; 62(2):255–60

Localization of motoneurons innervating the stylopharyngeus muscle in the cat. van Loveren H, et al. **Neurosci Lett** 1985 Jul 31;58(2):251–5

The history and surgical anatomy of the vagus nerve. Skandalakis LJ, et al. **Surg Gynecol Obstet** 1986 Jan; 162(1):75–85

[Comparative evaluation of the completeness of vagal denervation of the gastric stump at different levels of resection] Kogut BM. **Klin Khir** 1985;(8):32–3 (Eng. Abstr.) (Rus)

CYTOLOGY

Evidence that catecholamine-synthesizing perikarya in rat medulla oblongata do not contribute axons to the vagus nerve. Blessing WW, et al. **Brain Res** 1985 Dec 2; 348(2):397–400

Effect of axotomy on perineuronal glial cells in the hypoglossal and dorsal motor vagal nuclei of the cat. Cova JL, et al. **Exp Neurol** 1986 Sep;93(3):662–7

Single-channel analysis of fast transient potassium currents from rat nodose neurones. Cooper E, et al. **J Physiol (Lond)** 1985 Dec;369:199–208

Capsaicin-sensitive afferent vagal neurons innervating the rat liver. Carobi C, et al. **Neurosci Lett** 1985 Dec 4; 62(2):261–5

[Electrophysiologic and histochemical characteristics of the fiber composition of the subdiaphragmatic portion of the vagus nerves] Itina LV, et al. **Fiziol Zh SSSR** 1985 Oct; 71(10):1200–6 (Eng. Abstr.) (Rus)

DRUG EFFECTS

Effects of diltiazem on the TEA-induced plateau of nodose ganglion action potentials. Ito H, et al. **Arch Int Pharmacodyn Ther** 1985 Sep;277(1):28–38

Differential inhibition of A, B and C fibres in the rat vagus nerve by lidocaine, eugenol and formaldehyde. Brodin P. **Arch Oral Biol** 1985;30(6):477–80

Stimulative effect of glia maturation factor and acetylcholine on active amino acid uptake and Ca2+,Mg2+-ATPase activity in nodose ganglia excised from adult rats. Ando M, et al. **Brain Res** 1986 May 14;373(1–2):359–64

Prostaglandins block a Ca2+-dependent slow spike afterhyperpolarization independent of effects on Ca2+ influx in visceral afferent neurons. Fowler JC, et al. **Brain Res** 1985 Oct 21;345(2):345–9

Thyrotropin-releasing hormone-induced changes in electroencephalographic and vagal activity in the cross-circulated brain of the rat. Tonoue T, et al. **Brain Res** 1986 Jul 23;378(2):394–7

Nicotine applied into the dorsal motor nucleus of the vagus inhibits enhanced gastric acid output and mucosal blood flow in rats. Nagata M, et al. **Eur J Pharmacol** 1986 Mar 4;121(3):313–8

Hypotensive actions of microinjections of angiotensin II into the dorsal motor nucleus of the vagus. Diz DI, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S53–6

The roles of alpha 2-adrenoceptors in the nucleus reticularis gigantocellularis and vagal mechanism in the cardiovascular suppressive effects of guanabenz in the rat. Lim HC, et al. **Neurosci Lett** 1986 Jan 2;63(1):45–50

Somatostatin-sensitive neural system in the liver. Nakabayashi H, et al. **Neurosci Lett** 1986 Jun 6;67(1):78–81

Promotion by sodium bromide of functional synapse formation from foreign nerves in the superior cervical ganglion of adult rat with intact preganglionic nerve supply. Toldi J, et al. **Neurosci Lett** 1986 Aug 15; 69(1):19–24

Intracellular injection of acetylcholine blocks various potassium conductances in vagal motoneurons. Yarom Y, et al. **Neuroscience** 1985 Dec;16(4):739–52

The anorectic action of peripherally administered 5-HT is enhanced by vagotomy. Fletcher PJ, et al. **Physiol Behav** 1985 Jun;34(6):861–6

Effects of vagotomy on satiety induced by gastrointestinal hormones in the rat. Taylor IL, et al. **Physiol Behav** 1985 Jun;34(6):957–61

[Morphologic indices of the rat heart after colchicine application to the vagus nerve] Uzbekova TA, et al. **Arkh Anat Gistol Embriol** 1985 Oct;89(10):41–4 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Ultrastructural localization of phenylethanolamine N-methyltransferase in sensory and motor nuclei of the vagus nerve. Pickel VM, et al. **J Neurosci Res** 1986; 15(4):439–55

INJURIES

Clinical restoration of voice function after loss of the vagus nerve. Weber RS, et al. **Head Neck Surg** 1985 Jul–Aug; 7(6):448–57

METABOLISM

Choline acetyltransferase and glutamate uptake in the nucleus tractus solitarius and dorsal motor nucleus of the vagus: effect of nodose ganglionectomy. Simon JR, et al. **Brain Res** 1985 Oct 7;344(2):405–8

Noradrenergic alpha 2 binding sites in vagal dorsal motor

nucleus and nucleus tractus solitarius: autoradiographic localization. Robertson HA, et al. **Can J Physiol Pharmacol** 1985 Sep;63(9):1190–4

Prevention of defective axonal transport in streptozocin-diabetic rats by treatment with "Statil" (ICI 128436), an aldose reductase inhibitor. Tomlinson DR, et al. **Diabetes** 1985 Oct;34(10):970–2

Na+ and Ca2+ currents of acutely isolated adult rat nodose ganglion cells. Ikeda SR, et al. **J Neurophysiol** 1986 Mar; 55(3):527–39

PATHOLOGY

[Neurogenic tumors of the neck: a case of neurinoma of the cervical vagus] Panettiere P, et al. **Minerva Chir** 1985 Dec 15–31;40(23–24):1681–4 (Eng. Abstr.) (Ita)

PHYSIOLOGY

Effect of vagus nerve on the action potential duration of ventricular cell of dog. I. Effect of stimulation of vagus nerve and atropine. Li SR, et al. **Acta Acad Med Wuhan** 1985;5(3):139–46

Cardiac effects of thoracic epidural morphine caused by increased vagal activity in the dog. Hotvedt R, et al. **Acta Anaesthesiol Scand** 1986 Jan;30(1):76–83

Effects of pilocarpine treatment and of electrical stimulation of the vagus nerve on the rat parathyroid gland, with special reference to the alteration of storage granules. Setoguti T, et al. **Acta Anat (Basel)** 1985;124(1–2):16–25

Vagally mediated stimulation of gastric acid secretion by intravenously administered adenosine derivatives in anaesthetized rats. Puurunen J, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Apr;58(4):265–71

Differentiation of respiratory reflexes by electrical stimulation and cold blockade of the vagus nerve in rabbits. Głowicki K, et al. **Acta Physiol Pol** 1984 Sep–Dec; 35(5–6):432–41

Effects of graded focal cold block in the solitary and para-ambigual regions of the medulla in the cat. Budzińska K, et al. **Acta Physiol Scand** 1985 Jul;124(3):317–28

Sympathetic inhibition after surgical reversal of renovascular hypertension in rats. Role of vagal nerves. Göthberg G, et al. **Acta Physiol Scand** 1986 Mar;126(3):397–404

Vagally induced non-adrenergic, non-cholinergic contractions in the feline small intestine—an involvement of opioid receptors? Gustafsson B, et al. **Acta Physiol Scand** 1986 Mar;126(3):475–6

Non-cholinergic vasodilation in the tracheobronchial tree of the cat induced by vagal nerve stimulation. Martling CR, et al. **Acta Physiol Scand** 1985 Oct;125(2):343–6

Effect and mechanism of vagal nerve stimulation on somatostatin secretion in dogs. Ahrén B, et al. **Am J Physiol** 1986 Feb;250(2 Pt 1):E212–7

Area postrema lesions: cause of overingestion is not altered visceral nerve function. Edwards GL, et al. **Am J Physiol** 1986 Sep;251(3 Pt 2):R575–81

Vagal control of fluid transport, transmural potential difference, and motility in the ferret jejunum. Greenwood B, et al. **Am J Physiol** 1985 Dec;249(6 Pt 1):G651–4

Vagal control of canine postprandial upper gastrointestinal motility. Hall KE, et al. **Am J Physiol** 1986 Apr;250(4 Pt 1):G501–10

Phasic effects of postganglionic vagal stimulation on atrioventricular nodal conduction. Mazgalev T, et al. **Am J Physiol** 1986 Sep;251(3 Pt 2):H619–30

Vagally induced hyperpolarization in atrioventricular node. Mazgalev T, et al. **Am J Physiol** 1986 Sep;251(3 Pt 2):H631–43

Vagal nerve stimulation causes noncholinergic dilatation of gastric arterioles. Morishita T, et al. **Am J Physiol** 1986 May;250(5 Pt 1):G660–4

Vagal regulation of arginine vasopressin in conscious dogs. Morita H, et al. **Am J Physiol** 1986 Jul;251(1 Pt 2):H19–23

Functional interdependence of discrete vagal projections to SA and AV nodes. O'Toole MF, et al. **Am J Physiol** 1986 Aug;251(2 Pt 2):H398–404

Afferent axons in abdominal vagus mediate satiety effect of cholecystokinin in rats. Smith GP, et al. **Am J Physiol** 1985 Nov;249(5 Pt 2):R638–41

Vagally mediated regulation of renal function in conscious primates. Vatner SF, et al. **Am J Physiol** 1986 Apr;250(4 Pt 2):H546–9

Sustained increases in heart rate induced by timed repetition of vagal stimulation in dogs. Yang T, et al. **Am J Physiol** 1985 Oct;249(4 Pt 2):H703–9

Contributions of the glossopharyngeal nerve and the pharyngeal branch of the vagus nerve to the swallowing process in dogs. Venker-van Haagen AJ, et al. **Am J Vet Res** 1986 Jun;47(6):1300–7

Effective sites by sympathetic beta-adrenergic and vagal nonadrenergic inhibitory stimulation in constricted airways. Matsumoto N, et al. **Am Rev Respir Dis** 1985 Nov; 132(5):1113–7

The effects of vagotomy on compensatory ovarian hypertrophy and follicular activation after unilateral ovariectomy. Burden HW, et al. **Anat Rec** 1986 Jan; 214(1):61–6

Selective vagal innervation of the heart. Randall WC, et al. **Ann Clin Lab Sci** 1986 May–Jun;16(3):198–208

Intragastric copper sulfate produces a more reliable conditioned taste aversion in vagotomized rats than in intact rats. Rabin BM, et al. **Behav Neural Biol** 1985 Nov; 44(3):364–73

Sham feeding in rats after ventromedial hypothalamic lesions and vagotomy. Cox JE, et al. **Behav Neurosci** 1986 Feb; 100(1):57–63

Neuronal muscarinic receptors attenuate vagally-induced contraction of feline bronchial smooth muscle. Blaber LC, et al. **Br J Pharmacol** 1985 Nov;86(3):723–8

Pharmacological analysis of the inhibition by pirenzepine and atropine of vagal-stimulated acid secretion in the isolated stomach of the mouse. Black JW, et al. **Br J Pharmacol** 1986 May;88(1):291–7

Effects of lung inflation on the excitability of dorsal respiratory group neurons. Davies RO, et al. **Brain Res** 1986 Feb 26;366(1–2):22–36

Gastric distention increases [14C]2-deoxyglucose uptake in the rat nucleus tractus solitarius. Gonzalez MF, et al. **Brain Res** 1986 Mar 26;369(1–2):395–9

Vagal cardioinhibitory area in and around the caudal inferior olivary nucleus of cats. II. Modulatory action. Kuo JS, et al. **Brain Res** 1986 May 7;372(2):227–33

Vagal cardioinhibitory area in and around the caudal inferior olivary nucleus of cats. I. Localization and connection. Kuo JS, et al. **Brain Res** 1986 May 7;372(2):217–26

Expiration-related neurons in the region of the retrofacial nucleus: vagal and laryngeal inhibitory influences. Pantaleo T, et al. **Brain Res** 1985 Dec 16;359(1–2):343–6

Vagotomy does not alter circannual body weight cycles in the hibernator Citellus lateralis. Powley TL, et al. **Brain Res** 1986 Jan 29;364(1):159–61

Choline acetyltransferase and glutamate uptake in the nucleus tractus solitarius and dorsal motor nucleus of the vagus: effect of nodose ganglionectomy. Simon JR, et al. **Brain Res** 1985 Oct 7;344(2):405–8

Direct current potential changes of the vagal nuclear area induced by trigeminal stimulation. Sugaya E, et al. **Brain Res** 1986 Mar 26;369(1–2):369–72

Effects of hypnogenic vagal stimulation on thalamic neuronal activity in cats. Juhász G, et al. **Brain Res Bull** 1985 Nov; 15(5):437–41

Lack of change in high affinity glutamate uptake in nucleus tractus solitarius following removal of the nodose ganglion. Sved AF. **Brain Res Bull** 1986 Mar;16(3):325–9

Phrenic reflexes in the decerebrate and spinal rabbit. Budzinska K, et al. **Bull Eur Physiopathol Respir** 1986 Jan–Feb;22(1):65–73

Effects of a midsagittal lesion of the rabbit medulla. II. Vagal modulation of respiratory activity. Romaniuk JR, et al. **Bull Eur Physiopathol Respir** 1985 Nov–Dec;21(6):499–505

Rebound cardiovascular responses following stimulation of canine vagosympathetic complexes or cardiopulmonary nerves. Armour JA, et al. **Can J Physiol Pharmacol** 1985 Sep;63(9):1122–32

Vagal afferent activity and renal nerve release of dopamine. Morgunov N, et al. **Can J Physiol Pharmacol** 1985 Jun; 63(6):636–41

Direct determination of the contractility of the guinea pig gallbladder: a new in vivo model. Pomeranz IS, et al. **Can J Physiol Pharmacol** 1985 Sep;63(9):1038–42

Role of calcium channel in postvagal potentiation of contraction as evident from the effects of Mn2+, La3+, D-600, and deoxycholate on isolated guinea pig atria-vagus nerve preparation. Tripathi ON, et al. **Can J Physiol Pharmacol** 1986 May;64(5):575–80

Vagus nerve stimulation alters regional acetylcholine turnover in rat heart. Lund DD, et al. **Circ Res** 1986 Mar; 58(3):372–7

Power spectral analysis of heart rate and arterial pressure variabilities as a marker of sympatho-vagal interaction in man and conscious dog. Pagani M, et al. **Circ Res** 1986 Aug;59(2):178–93

Effects of sympathetic tone on vagally induced phasic changes in heart rate and atrioventricular node conduction in the anesthetized dog. Salata JJ, et al. **Circ Res** 1986 Apr; 58(4):584–94

Sympathetic and periodic vagal influences on antegrade and retrograde conduction through the canine atrioventricular node. Wallick DW, et al. **Circulation** 1986 Apr;73(4):830–6

Sensation in the gastrointestinal tract. Ewart WR. **Comp Biochem Physiol [A]** 1985;82(3):489–93

Cholesterol metabolism: regulatory effects of the vagus in the normal and diabetic animal. Scott LM, et al. **Diabetes Res** 1985 Nov;2(6):313–7

Effects of amino acids on pancreatic polypeptide before and after vagotomy in the dog. Inui A, et al. **Diabetologia** 1986 Apr;29(4):262–4

Effect of sham feeding on gastric emptying of liquids in dogs. Cadiere GB, et al. **Dig Dis Sci** 1986 Apr;31(4):418–21

The mechanism of vagal nerve stimulation of glucagon and insulin secretion in the dog. Ahrén B, et al. **Endocrinology** 1986 Apr;118(4):1551–7

Influence of vagal cooling on cardiac output in normal and beta-blocked exercising dogs. Versteeg PG, et al. **Eur J Appl Physiol** 1986;54(6):617–23

Angiotensin II receptor binding in the rat nucleus tractus solitarii is reduced after unilateral nodose ganglionectomy or vagotomy. Lewis SJ, et al. **Eur J Pharmacol** 1986 Jun 17;125(2):305–7

Reduction of vagal pressor reflexes by neurohypophyseal peptides and related compounds. Montastruc P, et al. **Eur J Pharmacol** 1985 Nov 19;117(3):355–61

Vagal involvement in the pressor responses to cranial artery infusions of bradykinin in anaesthetised greyhounds. Wilkinson DL, et al. **Eur J Pharmacol** 1986 Apr 29; 123(3):409–14

Electrophysiologic identification of preganglionic neurons in rat dorsal motor nucleus and analysis of vagus afferent projections. Nosaka S. **Exp Neurol** 1986 Feb;91(2):366–81

Characteristics of vagal afferent activity in rats: three types of pulmonary receptors responding to collapse, inflation, and deflation of the lung. Tsubone H. **Exp Neurol** 1986 Jun;92(3):541–52

Vagal effects on gallbladder emptying [letter] Davison JS, et al. **Gastroenterology** 1986 May;90(5 Pt 1):1314

Abolition of gas reflux and transient lower esophageal sphincter relaxation by vagal blockade in the dog. Martin CJ, et al. **Gastroenterology** 1986 Oct;91(4):890–6

A role for the vagus nerve in the etiology and maintenance of the hyperinsulinemia of genetically obese fa/fa rats. Rohner-Jeanrenaud F, et al. **Int J Obes** 1985;9 Suppl 1:71–5

Effects of upper or lower airway anesthesia on hypercapnic ventilation in humans. Easton PA, et al. **J Appl Physiol** 1985 Oct;59(4):1090–7

Role of hilar nerve afferents in hyperpnea of exercise. Flynn C, et al. **J Appl Physiol** 1985 Sep;59(3):798–806

Effect of hilar nerve denervation on breathing and arterial PCO2 during CO2 inhalation. Flynn C, et al. **J Appl Physiol** 1985 Sep;59(3):807–13

Role of vagal and spinal sensory pathways on eupneic diaphragmatic activity. Jammes Y, et al. **J Appl Physiol** 1986 Feb;60(2):479–85

Effect of PEEP on discharge of pulmonary C-fibers in dogs. Kaufman MP, et al. **J Appl Physiol** 1985 Oct;59(4):1085–9

Central adaptation to inspiratory-inhibiting expiratory-prolonging vagal input. Younes M, et al. **J Appl Physiol** 1985 Oct;59(4):1072–84

Vagal stimulation-induced gastric acid secretion in the anesthetized rat. Berthoud HR, et al. **J Auton Nerv Syst** 1986 Jul;16(3):193–204

Haemodynamic effects of withdrawal of efferent cervical vagal stimulation on anesthetized dogs—relative importance of chronotropic and non-chronotropic mechanisms. Cevese A, et al. **J Auton Nerv Syst** 1985 Oct; 14(2):125–36

Selective hepatic vagotomy does not prevent compensatory feeding in response to body weight changes. Egli G, et al. **J Auton Nerv Syst** 1986 Jan;15(1):45–53

Cardiac vagal action during hypoxia in adult and fetal sheep. Lumbers ER, et al. **J Auton Nerv Syst** 1986 May; 16(1):23–34

Osmosensitive vagal receptors in the small intestine of the cat. Mei N, et al. **J Auton Nerv Syst** 1986 Jul;16(3):159–70

Reflex control of the gastric motility by the vagus and splanchnic nerves in the guinea pig in vivo. Ohta T, et al. **J Auton Nerv Syst** 1985 Oct;14(2):137–49

Gastric-vagal solitary neurons excited by paraventricular nucleus microstimulation. Rogers RC, et al. **J Auton Nerv Syst** 1985 Dec;14(4):351–62

Evidence for vagal involvement in the electrophysiologic actions of exogenous adenosine and adenosine triphosphate in the canine heart. Pelleg A, et al. **J Auton Pharmacol** 1985 Sep;5(3):207–12

Enterogastrone-like effect of peptide YY is vagally mediated in the dog. Pappas TN, et al. **J Clin Invest** 1986 Jan; 77(1):49–53

Brainstem origins and projections of the cervical and abdominal vagus in the golden hamster: a horseradish peroxidase study. Miceli MO, et al. **J Comp Neurol** 1985 Jul 1;237(1):65–76

Modification of vagal action on the toad heart by changes in flow. Courtice GP, et al. **J Comp Physiol [B]** 1985; 155(5):571–5

Spontaneous efferent activity in branches of the vagus nerve controlling heart rate and ventilation in the dogfish. Barrett DJ, et al. **J Exp Biol** 1985 Jul;117:433–48

The location of cardiac vagal preganglionic neurones in the brain stem of the dogfish Scyliorhinus canicula. Barrett DJ, et al. **J Exp Biol** 1985 Jul;117:449–58

The characteristics of cardiac vagal preganglionic motoneurones in the dogfish. Barrett DJ, et al. **J Exp Biol** 1985 Jul;117:459–70

Influence of vagal nervous activity on blood pressure variability. Clement DL, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S391–3

Power spectral density of heart rate variability as an index of sympatho-vagal interaction in normal and hypertensive subjects. Pagani M, et al. **J Hypertension [Suppl]** 1984 Dec; 2(3):S383–5

Importance of cardiac pacing in the analysis of vagal and sympathetic contributions to baroreflex control of cardiac performance in the conscious rabbit. West MJ, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S405–7

Augmentation of respiratory mast cell secretion of histamine caused by vagus nerve stimulation during antigen challenge. Leff AR, et al. **J Immunol** 1986 Feb 1; 136(3):1066–73

Effects of graded experimental compression on slow and fast axonal transport in rabbit vagus nerve. Dahlin LB, et al. **J Neurol Sci** 1986 Jan;72(1):19–30

Gustatory responses in the nucleus tractus solitarius of the alert cynomolgus monkey. Scott TR, et al. **J Neurophysiol** 1986 Jan;55(1):182–200

Vagal role in potentiation by Ca2+ ions of the action of cardiac glycosides on the atrial specialised tissue. Lang J, et al. **J Pharmacol** 1985 Apr–Jun;16(2):125–37

Predominance of postsynaptic mechanism in vagal suppression of sympathetic tachycardia in the dog. Kimura T, et al. **J Pharmacol Exp Ther** 1985 Dec;235(3):793–7

The release of histamine by parasympathetic stimulation in guinea–pig auricle and rat ileum. Bani–Sacchi T, et al. **J Physiol (Lond)** 1986 Feb;371:29–43

On the neurotrophic control of acetylcholine receptors at frog end–plates reinnervated by the vagus nerve. Brenner HR, et al. **J Physiol (Lond)** 1985 Oct;367:387–99

Effects of vagal deafferentation on oesophageal motility and transit in the sheep. Falempin M, et al. **J Physiol (Lond)** 1986 Mar;372:425–36

Axonal transport of radiolabeled materials in afferent fibers of rabbit vagus nerve following supranodose vagotomy. Sato M, et al. **Jpn J Physiol** 1986;36(1):225–30

Effects of morphine on hexamethonium–sensitive and –resistant excitatory responses of stomach to stimulation of vagal trunk in cats. Okamoto T, et al. **Life Sci** 1986 Jul 14;39(2):147–53

Ouabain enhances release of acetylcholine in the heart evoked by unilateral vagal stimulation. Feinauer M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 May; 333(1):7–12

Effect of abdominal vagotomy at proestrus on ovarian weight, ovarian antral follicles, and serum levels of gonadotropins, estradiol, and testosterone in the rat. Burden HW, et al. **Neuroendocrinology** 1986;42(6):449–55

Anatomic and physiologic evaluation of a link between the nucleus reticularis gigantocellularis and nucleus ambiguus in the rat. Chan JY, et al. **Neurosci Lett** 1986 Jun 6; 67(1):31–6

Changes in extracellular pH during electrical stimulation of isolated rat vagus nerve. Endres W, et al. **Neurosci Lett** 1986 Feb 28;64(2):201–5

Effects of taste stimuli on the efferent activity of the gastric vagus nerve in rats. Jiang ZY, et al. **Neurosci Lett** 1986 Aug 15;69(1):42–6

Three components of active membrane current in the C–neurons of rabbit cervical nodose ganglion under voltage clamp. Miyazaki T, et al. **Neurosci Lett** 1985 Aug 30; 59(2):191–5

Changes in food intake after hepatic vagotomy at a stage of development in rats. Sakaguchi T, et al. **Neurosci Lett** 1985 Nov 11;61(3):317–20

Ionic currents and firing patterns of mammalian vagal motoneurons in vitro. Yarom Y, et al. **Neuroscience** 1985 Dec;16(4):719–37

Neurochemical investigation of the afferent pathway from the vagus nerve to the nucleus tractus solitarius in mediating the "satiety syndrome" induced by systemic cholecystokinin. Crawley JN. **Peptides** 1985;6 Suppl 1:133–7

Neuropeptide Y innervation of amygdaloid and hypothalamic neurons that project to the dorsal vagal complex in rat. Gray TS, et al. **Peptides** 1986 Mar–Apr;7(2):341–9

Capsaicin reduces substance P immunoreactivity in the lateral nucleus of the solitary tract and nodose ganglion. Helke CJ, et al. **Peptides** 1985;6 Suppl 1:121–6

Presynaptic depolarization in myelinated vagal afferent fibres terminating in the nucleus of the tractus solitarius in the cat. Richter DW, et al. **Pflugers Arch** 1986 Jan;406(1):12–9

Specific effects of thoracic vagotomy on the electrical activity of the gastric antrum and pylorus in rabbits. Deloof S, et al. **Q J Exp Physiol** 1985 Oct;70(4):491–501

Does stimulation of the left atrial receptors affect the activity in efferent vagal nerves to the heart in decerebrate dogs? Walters GE, et al. **Q J Exp Physiol** 1986 Apr;71(2):137–50

The role of vagus nerve on histamine– and acetylcholine–induced bronchoconstriction (experiments on cats). Zimmermann I, et al. **Res Exp Med (Berl)** 1986; 186(1):29–34

Background activity in pulmonary vagal C–fibers and its effects on breathing. Pisarri TE, et al. **Respir Physiol** 1986 Apr;64(1):29–43

Role of vagus nerve in secretion of gastric inhibitory polypeptide in dogs. Ohneda A, et al. **Tohoku J Exp Med** 1985 Oct;147(2):183–90

[Role of the nucleus tractus solitarii in the pressor response of the abdominal vagus] Shi L, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Feb; 8(1):40–5 (Eng. Abstr.) **(Chi)**

[Effect of the intracerebroventricular injection of naloxone on the vagus–pressor response in rabbits] Chen JJ, et al. **Sheng Li Hsueh Pao** 1985 Jun;37(3):299–302 (Eng. Abstr.) **(Chi)**

[Effect of secretin, cholecystokinin octapeptide and electrical vagal stimulation on the pancreatic polypeptide levels of pancreatic juice and serum in dogs] Chen SP, et al. **Sheng Li Hsueh Pao** 1985 Oct;37(5):403–9 (Eng. Abstr.) **(Chi)**

[Interaction of vagal stimulation and duodenal acidification in the regulation of pancreatic secretion] Mei MH, et al. **Sheng Li Hsueh Pao** 1985 Oct;37(5):410–5 (Eng. Abstr.) **(Chi)**

[The effect of vagus and acetylcholine on segmental coronary resistance in the presence of coronary arterial stenosis in the dog] Sun JZ, et al. **Sheng Li Hsueh Pao** 1986 Feb; 38(1):86–90 (Eng. Abstr.) **(Chi)**

[Charcteristics of efferent discharge activity in cardiac vagal nerve of the rabbit] Zhang YC, et al. **Sheng Li Hsueh Pao** 1985 Feb;37(1):53–60 (Eng. Abstr.) **(Chi)**

[Differential block of peripheral nerve fibers: the effect of lidocaine and potassium deficiency] Schimek F, et al. **Anaesthesist** 1986 Jun;35(6):374–7 (Eng. Abstr.) **(Ger)**

[Contraction of the isolated stomach of the rat as a result of stimulation of postganglionic fibers in the presence of 4–methylesculetol] Aragno R, et al. **Acta Vitaminol Enzymol** 1985;7(3–4):239–48 (Eng. Abstr.) **(Ita)**

[Occlusion and potentiation in the cardiac effects of combined stimulation of vagal nerves in the rabbit] Piovan S, et al. **Boll Soc Ital Biol Sper** 1985 Dec 30;61(11–12):1535–42 (Eng. Abstr.) **(Ita)**

[Effects of phenol–glycerine on the electrophysiological properties of isolated vagus nerve of the cat] Amagasa S, et al. **Masui** 1986 May;35(5):788–92 (Eng. Abstr.) **(Jpn)**

[The effect of vagus nerve stimulation and various drugs on chemical mediator release in anesthetized dogs] Kitamura S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Dec; 23(12):1449–55 (Eng. Abstr.) **(Jpn)**

[Experimental study on the effect of cimetidine, 16,16–dmPGE2 and vagotomy on hepatic regeneration for prevention of stress ulcer after hepatectomy] Urakawa T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Apr; 83(4):784–91 (Eng. Abstr.) **(Jpn)**

[A study of the differentiation of generative cells in the gastric mucosa and modification by environmental change, with reference to vagal denervation] Yoshinaka M. **Nippon Shokakibyo Gakkai Zasshi** 1985 Jul;82(7):1693–702 (Eng. Abstr.) **(Jpn)**

[Changes in sinus rhythm after vagal and total extracardiac denervation of the heart] Bratus' TN, et al. **Fiziol Zh SSSR** 1986 Feb;72(2):256–8 **(Rus)**

[Effects of stimulation of afferent fibers of the gastric branch of the vagus nerve after vagotomy and anemia of the brain] Itina LV, et al. **Fiziol Zh SSSR** 1986 Mar;72(3):337–43 (Eng. Abstr.) **(Rus)**

[Dynamics of morpho–functional changes in gastrin–producing cells of the stomach after electric stimulation of the vagus nerve] Khomeriki SG, et al. **Fiziol Zh SSSR** 1986 Apr;72(4):538–43 (Eng. Abstr.) **(Rus)**

[Intensification of vagal inhibition of the work of the heart by a sympathetic nerve] Lychkova AE. **Fiziol Zh SSSR** 1985 Oct;71(10):1217–21 (Eng. Abstr.) **(Rus)**

[Role of feedback in the mechanism of the initial phase of gastric secretion] Nekrasov PA, et al. **Fiziol Zh SSSR** 1985 Nov;71(11):1408–12 (Eng. Abstr.) **(Rus)**

[Effect of activation of the cholinergic system of the small intestine on its contractile responses induced by serotonin] Ovsiannikov VI, et al. **Fiziol Zh SSSR** 1985 Nov; 71(11):1413–8 (Eng. Abstr.) **(Rus)**

[Analysis of the effect of volley stimulation of the vago–sympathetic trunk on establishment of the heart rate] Pokrovskii VM, et al. **Fiziol Zh SSSR** 1986 Feb;72(2):183–8 (Eng. Abstr.) **(Rus)**

[Mechanism of inhibition of cardiac activity by the stellate ganglion in the cat and guinea pig] Smirnov VM. **Fiziol Zh SSSR** 1986 Jan;72(1):104–8 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Influence of vagal input on cerebral blood flow in monkeys and dogs after experimental cerebral vasospasm. Ryba M, et al. **Acta Neurobiol Exp (Warsz)** 1985;45(5–6):163–71

Concurrent lower esophageal sphincter relaxation with bronchodilation caused by nasopharyngeal stimulation in child–asthmatics. A possible activation of nonadrenergic noncholinergic inhibitory nerve system. Ichimura T, et al. **Arerugi** 1986 Apr;35(4):295–300

Bronchodilation caused by nasopharyngeal stimulation in child–asthmatics. A possible activation of nonadrenergic noncholinergic inhibitory nerve system. Ichimura T, et al. **Arerugi** 1986 May;35(5):367–73

Increased vagal tone as an isolated finding in patients undergoing electrophysiological testing for recurrent syncope: response to long term anticholinergic agents. McLaran CJ, et al. **Br Heart J** 1986 Jan;55(1):53–7

Vagal slowing of the heart during haemorrhage: observations from 20 consecutive hypotensive patients. Sander–Jensen K, et al. **Br Med J [Clin Res]** 1986 Feb 8;292(6517):364–6

Atrial demand pacing to protect against vagal overactivity in sympathetic autonomic neuropathy. Bannister R, et al. **Brain** 1986 Apr;109 (Pt 2):345–56

Management of cardioinhibitory hypersensitive carotid sinus syncope with permanent cardiac pacing—a seventeen year prospective study. Peretz DI, et al. **Can J Cardiol** 1985 Mar;1(2):86–91

Stimulation of pulmonary vagal afferent C–fibers by lung edema in dogs. Roberts AM, et al. **Circ Res** 1986 Apr; 58(4):512–22

Impaired cardiopulmonary baroreflex control of renal nerves in renal hypertension. Thames MD, et al. **Circ Res** 1985 Nov;57(5):741–7

Vagotonia in infants, children, adolescents and young adults. Sapire DW, et al. **Int J Cardiol** 1985 Oct;9(2):211–24

Sick sinus syndrome due to hypervagotonic state. Turakhia DP, et al. **J Assoc Physicians India** 1985 Aug;33(8):535–6

The mechanism of the vagal bradycardia evoked by diencephalic stimulation in the rabbit. Evans MH. **J Auton Nerv Syst** 1986 Aug;16(4):239–48

Effects of hypoxia, hypercapnia and acidemia on vagal action at the heart in the dog. Potter EK, et al. **J Auton Nerv Syst** 1986 May;16(1):79–83

Vagotonia as a cause of syncope [letter] **J Pediatr** 1986 Aug; 109(2):394–5

The effect of glycerol–induced acute renal failure upon cardiac reactivity in the rat: influence of indomethacin treatment and renal pedicle ligation. Yates MS, et al. **J Pharm Pharmacol** 1986 Jan;38(1):59–62

Vagal bradycardia in a dog. Kelly PJ. **J S Afr Vet Assoc** 1985 Sep;56(3):151

Neurogenic hypertension in the Guillain–Barré syndrome. Yao H, et al. **Jpn Heart J** 1985 Jul;26(4):593–6

Vasovagal syncope [letter] Dighton DH. **Lancet** 1986 Apr 26;1(8487):982

Assessment of methods to estimate impairment of vagal and sympathetic innervation of the heart in diabetic autonomic neuropathy. Wieling W, et al. **Neth J Med** 1985; 28(10):383–92

Influence of vagal activity on the neonatal ventilatory response to hypoxemia. LaFramboise WA, et al. **Pediatr Res** 1985 Sep;19(9):903–7

[Triggering of paroxysmal auricular fibrillation. Study using continuous electrocardiographic recording (Holter system)] Gabathuler J, et al. **Arch Mal Coeur** 1985 Aug; 78(8):1255–62 (Eng. Abstr.) **(Fre)**

[Effects of ethanol on the neural regulation of pancreatic secretion in the dog] Sarles H. **Bull Acad Natl Med (Paris)** 1986 Feb;170(2):207–10 (Eng. Abstr.) **(Fre)**

[Vagal hypertonicity in congenital AV block. Apropos of a case] Marinato PG, et al. **Cardiologia** 1982;27(1):89–94 **(Ita)**

[Hypotension during ventricular pacing. A study of the vagal reflex component] Alicandri C, et al. **G Ital Cardiol** 1985 Dec;15(12):1155–60 (Eng. Abstr.) **(Ita)**

[Beat–to–beat variation of the heart rate in children with allergic disorders. I. Comparison with healthy children] Tokuyama K, et al. **Arerugi** 1985 Nov;34(11):994–8 (Eng. Abstr.) **(Jpn)**

[Reaction of the nodose ganglion neurons to myocardial ischemia complicated by ventricular fibrillation] Mikhallova SD, et al. **Biull Eksp Biol Med** 1986 Mar; 101(3):274–6 (Eng. Abstr.) **(Rus)**

[Effect of vagal bradycardia on reactive hyperemia of the myocardium] Golubykh VL, et al. **Fiziol Zh** 1986 Jan–Feb; 32(1):69–72 (Eng. Abstr.) **(Rus)**

[Evaluation of the cholinergic regulation of cardiac activity in experimental hyperthyroidism] Markova EA, et al. **Fiziol Zh** 1986 Jan–Feb;32(1):102–6 (Eng. Abstr.) **(Rus)**

[Role of irritant receptors in shortening expiration during collapse of the lungs] Zhdanov VA. **Fiziol Zh SSSR** 1985 Sep;71(9):1131–9 (Eng. Abstr.) **(Rus)**

[Approaches to the diagnosis or the vegetovascular dystonia syndrome in children] Belokon' NA, et al. **Pediatriia** 1986 Jan;(1):37–41 **(Rus)**

[The state of vegetative regulation in patients with diabetes mellitus (variation pulsometry data)] Semenova OV. **Vrach Delo** 1985 Sep;(9):89–91 (Eng. Abstr.) **(Rus)**

[Morphofunctional state of the extramural neuroganglia and endocrine system of the stomach in experimental emotion–pain stress] Tarnavskaia TG. **Vrach Delo** 1985 Oct; (10):12–4 (Eng. Abstr.) **(Rus)**

[Vagal influence in experimental arrhythmias caused by dopamine] Prieto JC, et al. **Arch Inst Cardiol Mex** 1985 Sep–Oct;55(5):395–8 (Eng. Abstr.) **(Spa)**

SECRETION

Independent co–release of acetylcholine and somatostatin from cardiac vagal neurones in toad. Campbell G, et al. **Neurosci Lett** 1985 Sep 16;60(1):47–50

ULTRASTRUCTURE

Ultrastructural changes in the dorsal motor nucleus of monkey following bilateral cervical vagotomy. Ling EA, et al. **J Neurocytol** 1986 Feb;15(1):1–15

Ultrastructural studies of the nucleus ambiguus in cat and monkey following injection of HRP into the vagus nerve. McLean JH, et al. **J Neurocytol** 1985 Dec;14(6):961–79

Location–dependent characteristics of pulmonary stretch receptor activity in the rabbit. Kohl J, et al. **Pflugers Arch** 1986 Mar;406(3):303–7

VALERATES

ADMINISTRATION & DOSAGE

A comparison of different formulations and dosage administrations of gemfibrozil. Kovanen PT, et al. **Am J Cardiol** 1986 May 30;57(14):31G–34G

ANALYSIS

Isotachophoretic analysis of porphyrin precursors: 5–aminolevulinic acid derivatives. Shioi Y, et al. **Methods Enzymol** 1986;123:370–4

BLOOD

Determination of gemfibrozil in plasma by high performance liquid chromatography. Hengy H, et al. **Arzneimittelforschung** 1985;35(11):1637–9

The response to L–carnitine and glycine therapy in isovaleric acidaemia. de Sousa C, et al. **Eur J Pediatr** 1986 Feb; 144(5):451–6

Fanconi syndrome in a patient with a variant of isovaleric acidemia. Arnold WC, et al. **Int J Pediatr Nephrol** 1986 Apr–Jun;7(2):95–8
L-carnitine and glycine therapy in isovaleric acidaemia. Chalmers RA, et al. **J Inherited Metab Dis** 1985;8 Suppl 2:141–2
Stable isotope dilution analysis of isovalerylglycine in amniotic fluid and urine and its application for the prenatal diagnosis of isovaleric acidemia. Hine DG, et al. **Pediatr Res** 1986 Mar;20(3):222–6
Isovaleryl-CoA dehydrogenase activity in isovaleric acidemia fibroblasts using an improved tritium release assay. Hyman DB, et al. **Pediatr Res** 1986 Jan;20(1):59–61
[Neonatal form of isovaleric acidemia. Apropos of a new case] Beauvais P, et al. **Arch Fr Pediatr** 1985 Aug–Sep; 42(7):531–3 (Eng. Abstr.) (Fre)

METABOLISM

Branched chain alpha-keto acid oxidative decarboxylation in skeletal muscle mitochondria. Effect of isolation procedure and mitochondrial delta pH. Hutson SM. **J Biol Chem** 1986 Apr 5;261(10):4420–5
Molecular heterogeneity of variant isovaleryl-CoA dehydrogenase from cultured isovaleric acidemia fibroblasts. Ikeda Y, et al. **Proc Natl Acad Sci USA** 1985 Oct;82(20):7081–5

PHARMACODYNAMICS

Gemfibrozil increases both apo A-I and apo E concentrations. Comparison to other lipid regulators in cholesterol-fed rats. Krause BR, et al. **Atherosclerosis** 1986 Jan;59(1):95–8
The effects of short-chain fatty acids on the neuronal membrane functions of Helix pomatia. II. Cholinoreceptive properties. Arvanov VL, et al. **Cell Mol Neurobiol** 1986 Jun;6(2):165–75
The effects of short-chain fatty acids on the neuronal membrane functions of Helix pomatia. I. Electrical properties. Suleymanian MA, et al. **Cell Mol Neurobiol** 1986 Jun;6(2):151–63
Apolipoprotein changes associated with the plasma lipid-regulating activity of gemfibrozil in cholesterol-fed rats. Krause BR, et al. **J Lipid Res** 1985 Aug;26(8):940–9
Effect of gemfibrozil on lipids, apoproteins, and postheparin lipolytic activities in normolipidemic subjects. Gnasso A, et al. **Metabolism** 1986 May;35(5):387–93
Effects of valerate and isobutyrate on fatty acid secretion by the isolated perfused mammary gland of the lactating goat. Masaart-Leën AM, et al. **Reprod Nutr Dev** 1986; 26(3):801–14

THERAPEUTIC USE

Drugs recently released in Belgium: mitoxantrone, gemfibrozil. Harvengt C. **Acta Clin Belg** 1986;41(2):127–30
The Gemfibrozil Study. Manninen V. **Acta Med Scand [Suppl]** 1985;701:83–8

TOXICITY

Allyl isovalerate. **IARC Monogr Eval Carcinog Risk Chem Hum** 1985 Feb; 36:69–74

VALERIAN see under **PLANTS, MEDICINAL**

VALINE

Analysis and comparison of the internal promoter, pE, of the ilvGMEDA operons from Escherichia coli K-12 and Salmonella typhimurium. Lopes JM, et al. **Nucleic Acids Res** 1986 Mar 25;14(6):2779–98
Examination of the internal promoter, PE, in the ilvGMEDA operon of E. coli K-12. Wek RC, et al. **Nucleic Acids Res** 1986 Mar 25;14(6):2763–77

ANALOGS & DERIVATIVES

Phencyclidine-like catalepsy induced by the excitatory amino acid antagonist DL-2-amino-5-phosphonovalerate. Koek W, et al. **Behav Brain Res** 1986 Mar;19(3):257–9
Pharmacological characterization of D-aminophosphonovaleric acid antagonism of amino acid and synaptically evoked excitations on frog motoneurones in vitro: an intracellular study. Corradetti R, et al. **Br J Pharmacol** 1985 Sep;86(1):19–25
Absence of side-effects in the anticonvulsant action of cortically applied antagonists of N-methyl-D-aspartate. Frenk H, et al. **Brain Res** 1986 May 14;373(1–2):222–6
Ca2+-dependent depolarization and burst firing of rat CA1 pyramidal neurones induced by N-methyl-D-aspartic acid and quinolinic acid: antagonism by 2-amino-5-phosphonovaleric and kynurenic acids. Peet MJ, et al. **Can J Physiol Pharmacol** 1986 Feb;64(2):163–8
Quantitative studies of N-methyl-D-aspartate, 2-amino-5-phosphonovalerate and cis-2,3-piperidine dicarboxylate interactions on the neonatal rat spinal cord in vitro. Wheatley PL, et al. **Eur J Pharmacol** 1986 Feb 18;121(2):257–63
The stereochemical fate of chiral-methyl valines in cephalosporin C biosynthesis. Townsend CA. **J Nat Prod** 1985 Sep–Oct;48(5):708–24
Phencyclidine-like behavioral effects in pigeons induced by systemic administration of the excitatory amino acid antagonist, 2-amino-5-phosphonovalerate. Koek W, et al. **Life Sci** 1986 Sep 15;39(11):973–8
Selective impairment of learning and blockade of long-term potentiation by an N-methyl-D-aspartate receptor antagonist, AP5. Morris RG, et al. **Nature** 1986 Feb 27–Mar 5;319(6056):774–6
Modification of the anticonvulsant activity of 2-amino-5-phosphonovalerate by agents affecting different neurotransmitter systems. Czuczwar SJ, et al. **Neuropharmacology** 1985 Oct;24(10):965–8
Blockade of N-methyl-D-aspartate-sensitive acidic amino acid receptors inhibits ischemia-induced accumulation of purine catabolites in the rat striatum. Hagberg H, et al. **Neurosci Lett** 1986 Aug 4;68(3):311–6
A selective N-methyl-D-aspartate antagonist depresses epileptiform activity in rat hippocampal slices. Herron CE, et al. **Neurosci Lett** 1985 Nov 11;61(3):255–60
Phosphonic analogues of excitatory amino acids raise the threshold for maximal electroconvulsions in mice. Czuczwar SJ, et al. **Neurosci Res** 1985 Oct;3(1):86–90
2-Amino-5-phosphonovalerate and Co2+ selectively block depolarization and burst firing of rat hippocampal CA1 pyramidal neurones by N-methyl-D-aspartate. Peet MJ, et al. **Neuroscience** 1986 Mar;17(3):635–41

ANALYSIS

Identification of the 1H resonances of valine and leucine residues in dihydrofolate reductase by using a combination of selective deuteration and two-dimensional correlation spectroscopy. Searle MS, et al. **FEBS Lett** 1986 Jan 1; 194(1):165–70

BIOSYNTHESIS

Control of isoleucine-valine biosynthesis in a valine-resistant mutant of Escherichia coli K-12 that simultaneously acquired azaleucine-resistance. Williams AL, et al. **Biochem Biophys Res Commun** 1985 Sep 16;131(2):994–1002
Acetohydroxy acid synthase I, a required enzyme for isoleucine and valine biosynthesis in Escherichia coli K-12 during growth on acetate as the sole carbon source. Dailey FE, et al. **J Bacteriol** 1986 Feb;165(2):453–60

BLOOD

Valine kinetics at graded valine intakes in young men. Meguid MM, et al. **Am J Clin Nutr** 1986 May;43(5):781–6
Serum valine, methionine and isoleucine levels in patients anaesthetized with and without nitrous oxide. Parry TE, et al. **Clin Lab Haematol** 1985;7(4):317–26
Relation between protein intake, plasma valine, and insulin secretion during early infancy. Zetterström R, et al. **Klin Padiatr** 1985 Jul–Aug;197(4):371–4

GENETICS

Comparison of the regulatory regions of ilvGEDA operons from several enteric organisms. Harms E, et al. **J Bacteriol** 1985 Oct;164(1):207–16
Leucine regulation of the ilvGEDA operon of Serratia marcescens by attenuation is modulated by a single leucine codon. Hsu JH, et al. **J Bacteriol** 1985 Oct;164(1):217–22

METABOLISM

Isoleucyl-tRNA synthetase from baker's yeast. Influence of substrate concentrations on aminoacylation pathways, discrimination between tRNAIle and tRNAVal, and between isoleucine and valine. Freist W, et al. **Biol Chem Hoppe Seyler** 1986 Apr;367(4):331–41
Starvation-induced changes in the autoradiographic localisation of valine uptake by rat small intestine. Thompson CS, et al. **Experientia** 1986 Aug 15;42(8):945–8
Multivalent regulation of isoleucine-valine transaminase in an Escherichia coli K-12 ilvA deletion strain. Kline EL, et al. **J Bacteriol** 1977 May;130(2):951–3
Comparison of in vitro jejunal uptake of L-valine and L-lysine in the rat during maturation. Younoszai MK, et al. **J Pediatr Gastroenterol Nutr** 1985 Dec;4(6):992–7
Isoleucine and valine oxidation following skeletal trauma in rats. Birkhahn RH, et al. **J Trauma** 1986 Apr;26(4):353–8
Role of uptake of [14C]valine into protein in the development of tolerance to diisopropylphosphorofluoridate (DFP) toxicity. Gupta RC, et al. **Toxicol Appl Pharmacol** 1986 Jul;84(3):551–60

PHARMACODYNAMICS

Molecular basis for the anti-sickling activity of aromatic amino acids and related compounds: a proton nuclear magnetic resonance investigation. Russu IM, et al. **Biochemistry** 1986 Feb 25;25(4):808–15
Assessment of in vivo protein synthesis in lamb tissues with [3H]valine flooding doses. Attaix D, et al. **Biochim Biophys Acta** 1986 Jul 16;882(3):389–97
Role of small subunit (IlvN polypeptide) of acetohydroxyacid synthase I from Escherichia coli K-12 in sensitivity of the enzyme to valine inhibition. Eoyang L, et al. **J Bacteriol** 1986 Jun;166(3):901–4
The effect of branch chain amino acids on the proliferation of normal and uremic cells. Esposito R, et al. **Kidney Int [Suppl]** 1985 Dec;17:S98–9

VALINOMYCIN

High-resolution solid-state 13C NMR study of free and metal-complexed macrocyclic antibiotic ionophores valinomycin, nonactin, and tetranactin: conformational elucidation in solid and solution by conformation-dependent 13C chemical shifts. Tabeta R, et al. **Biochemistry** 1985 Dec 17;24(26):7696–702

BIOSYNTHESIS

[Valinomycin biosynthesis and the dynamics of the content of macroergic phosphorus compounds in Streptomyces cyaneofuscatus] Telesnina GN, et al. **Antibiot Med Biotekhnol** 1986 Jan;31(1):3–7 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Effect of valinomycin on thyroid iodide transport and TSH-stimulated cAMP formation. Sherwin JR, et al. **Am J Physiol** 1986 Feb;250(2 Pt 1):E164–8
Valinomycin-induced cation transport in vesicles does not reflect the activity of K+ transport systems in Escherichia coli. Altendorf K, et al. **J Bacteriol** 1986 Apr;166(1):334–7

VALPROATE

Fetal valproate syndrome [letter] Chessa L, et al. **Am J Med Genet** 1986 Jun;24(2):381–2

ADMINISTRATION & DOSAGE

Valproate metabolite concentrations in brain increase with chronic administration of sodium valproate. Carl GF, et al. **Life Sci** 1985 Nov 25;37(21):2029–35
The effects of beta-carboline carboxylic acid ethyl ester and its free acid, administered ICV, on the anticonvulsant activity of diazepam and sodium valproate in the mouse. Vellucci SV, et al. **Pharmacol Biochem Behav** 1986 Apr; 24(4):823–7
[Valpromide (Depamide) in the treatment of acute psychotic states. Open clinical study] Altamura AC, et al. **Acta Psychiatr Belg** 1986 May–Jun;86(3):297–304 (Eng. Abstr.) (Fre)

ADVERSE EFFECTS

Valproic acid and liver damage [letter] Gram L, et al. **Acta Paediatr Scand** 1985 Sep;74(5):796–8
Valproate as psychotropic agent. Interactions and adverse cerebral reactions. van Sweden B, et al. **Acta Psychiatr Scand** 1985 Sep;72(3):315–7
Hyperammonaemia and hepatotoxicity during chronic valproate therapy: enhancement by combination with other antiepileptic drugs. Ratnaike RN, et al. **Br J Clin Pharmacol** 1986 Jul;22(1):100–3
Evidence of inherited urea cycle defect in a case of fatal valproate toxicity. Hjelm M, et al. **Br Med J [Clin Res]** 1986 Jan 4;292(6512):23–4
A record linkage study of valproate and malformations in Saskatchewan. West R, et al. **Can J Public Health** 1985 Jul–Aug;76(4):226–8
Rearrangement of valproate glucuronide in a patient with drug-associated hepatobiliary and renal dysfunction. Dickinson RG, et al. **Epilepsia** 1985 Nov–Dec;26(6):589–93
Reversible valproic acid-induced dementia: a case report. Zaret BS, et al. **Epilepsia** 1986 May–Jun;27(3):234–40
Valproic acid and phenytoin effects on serum proteins and immunoglobulins of epileptic patients. Garzón P, et al. **Gen Pharmacol** 1985;16(4):411–3
Side-effects of sodium valproate, mainly related to its hepatic and pancreatic toxicity. Jimenez-Rodriguezvila M, et al. **Int J Clin Pharmacol Res** 1986;6(3):217–24
Teratogenic potential of valproic acid. Hanold KC. **J Obstet Gynecol Neonatal Nurs** 1986 Mar–Apr;15(2):111–6 (23 ref.)
Fetal growth, major malformations, and minor anomalies in infants born to women receiving valproic acid. Jäger-Roman E, et al. **J Pediatr** 1986 Jun;108(6):997–1004
Renal handling of carnitine in children with carnitine deficiency and hyperammonemia associated with valproate therapy. Matsuda I, et al. **J Pediatr** 1986 Jul;109(1):131–4
In-utero exposure to valproate and neural tube defects [letter] Lindhout D, et al. **Lancet** 1986 Jun 14;1(8494):1392–3
Fatal liver failure in children on valproate [letter] Scheffner D. **Lancet** 1986 Aug 30;2(8505):511
Prenatal detection of a neural tube defect after fetal exposure to valproic acid. Weinbaum PJ, et al. **Obstet Gynecol** 1986 Mar;67(3 Suppl):31S–33S
Teratogenic potential of valproate. Pillans PI, et al. **S Afr Med J** 1985 Sep 28;68(7):531
Chronic valproic acid therapy and incidence of increases in venous plasma ammonia. Haidukewych D, et al. **Ther Drug Monit** 1985;7(3):290–4
[Prenatal diagnosis of neural tube defects in use of valproic acid (letter)] Wolf H, et al. **Ned Tijdschr Geneeskd** 1985 Sep 28;129(39):1891–2 (Dut)
[Maternal treatment with sodium valproate. An indication for amniocentesis (letter)] Guibaud S, et al. **Presse Med** 1985 Dec 21;14(45):2299 (Fre)
[State of confusion induced by valproic acid and reversed after administration of clonazepam] Larrieu JL, et al. **Rev Electroencephalogr Neurophysiol Clin** 1985 Sep; 15(2):179–84 (Eng. Abstr.) (Fre)

[Hyperammonemia in valproate therapy in children and adolescents] Laub MC. **Nervenarzt** 1986 May;57(5):314–8 (Eng. Abstr.) **(Ger)**

[Effects of valproate on mitochondrial function in epileptic patients] Kanayama M, et al. **No To Hattatsu** 1985 Nov; 17(6):507–13 (Eng. Abstr.) **(Jpn)**

[Effect of valproic acid on the brain development of newborn rats] Tatsuno M, et al. **No To Hattatsu** 1985 Sep; 17(5):398–404 (Eng. Abstr.) **(Jpn)**

[Severe liver involvement during use of sodium valproate] Møller P, et al. **Tidsskr Nor Laegeforen** 1986 Apr 30; 106(11):940–1 (Eng. Abstr.) **(Nor)**

[Valproic acid, curly hair and weight gain] Bittencourt PR. **Arq Neuropsiquiatr** 1986 Mar;44(1):78–81 (Eng. Abstr.) **(Por)**

ANALOGS & DERIVATIVES

Impaired biliary elimination of beta-glucuronidase-resistant "glucuronides" of valproic acid after intravenous administration in the rat. Evidence for oxidative metabolism of the resistant isomers. Dickinson RG, et al. **Drug Metab Dispos** 1986 Mar–Apr;14(2):255–62

Rearrangement of valproate glucuronide in a patient with drug-associated hepatobiliary and renal dysfunction. Dickinson RG, et al. **Epilepsia** 1985 Nov–Dec;26(6):589–93

Pharmacologic evaluation of various metabolites and analogs of valproic acid: teratogenic potencies in mice. Nau H, et al. **Fundam Appl Toxicol** 1986 May;6(4):669–76

Synthesis and stereochemical determination of diunsaturated valproic acid analogs including its major diunsaturated metabolite. Acheampong A, et al. **J Lipid Res** 1985 Aug; 26(8):1002–8

Inhibition of gluconeogenesis by sodium valproate and its metabolites in isolated rat hepatocytes. Rogiers V, et al. **Xenobiotica** 1985 Aug–Sep;15(8–9):759–65

ANALYSIS

Concentration of valproate during pregnancy, in the newborn and in breast milk. Philbert A, et al. **Acta Neurol Scand** 1985 Nov;72(5):460–3

Capillary gas chromatography–mass spectrometry of valproic acid metabolites in serum and urine using tert.-butyldimethylsilyl derivatives. Abbott FS, et al. **J Chromatogr** 1986 Mar 7;375(2):285–98

ANTAGONISTS & INHIBITORS

Blockade of "antiabsence" activity of sodium valproate by THIP in rats with petit mal–like seizures. Comparison with ethosuximide. Vergnes M, et al. **J Neural Transm** 1985; 63(2):133–41

BLOOD

Effect of serum albumin on free fractions of phenobarbital and valproic acid in patients with convulsive seizures. Sadahiro N, et al. **Brain Dev** 1985;7(4):377–84

Free and total serum valproate concentrations: their relationship to seizure control, liver enzymes and plasma ammonia in children. Farrell K, et al. **Can J Neurol Sci** 1986 Aug;13(3):252–5

Free level monitoring of carbamazepine and valproic acid: clinical significance. Fröscher W, et al. **Clin Neuropharmacol** 1985;8(4):362–71

Competition between valproate & phenytoin for plasma protein binding. Jaffery NF, et al. **Indian J Med Res** 1986 Apr;83:426–8

Serum levels of sodium valproate, phenytoin and carbamazepine and seizure control in epilepsy. Goggin T, et al. **Ir Med J** 1986 Jun;79(6):150–6

Improved direct injection method and extractive methylation method for determination of valproic acid in serum by gas chromatography. Nishioka R, et al. **J Chromatogr** 1985 Jul 12;342(1):89–96

Serum protein binding of valproic acid in fetus–mother pairs throughout pregnancy: correlation with oxytocin administration and albumin and free fatty acid concentrations. Nau H, et al. **J Clin Pharmacol** 1986 Mar; 26(3):215–21

An improved gas liquid chromatographic assay for plasma valproic acid concentrations in mentally handicapped epileptic children. Chan K, et al. **Methods Find Exp Clin Pharmacol** 1985 Nov;7(11):589–93

Determination of free valproic acid levels by ultrafiltration [letter] Kara MH, et al. **Ther Drug Monit** 1986;8(2):245–6

Determination of valproic acid in plasma or serum by solid-phase column extraction and gas–liquid chromatography. Lin W, et al. **Ther Drug Monit** 1985; 7(3):336–43

Serum concentrations of valproic acid: influence of dose and comedication. May T, et al. **Ther Drug Monit** 1985; 7(4):387–90

Influence of tube type, storage time, and temperature on the total and free concentration of valproic acid. Tarasidis CG, et al. **Ther Drug Monit** 1986;8(3):373–6

[Simple gas chromatography determination of valproic acid and ethosuximide in serum] König H. **Z Med Lab Diagn** 1985;26(7):389–92 **(Ger)**

[An evaluation of substrate-labeled fluorescent immunoassay (SLFIA method) by using pharmacokinetic parameters of valproic acid] Johno I, et al. **Yakugaku Zasshi** 1986 Feb; 106(2):169–75 (Eng. Abstr.) **(Jpn)**

DIAGNOSTIC USE

Growth hormone response to sodium valproate in chronic schizophrenia. Monteleone P, et al. **Biol Psychiatry** 1986 Jun;21(7):588–94

Failure of the GABAergic drug, sodium valproate, to reduce basal plasma prolactin secretion in chronic schizophrenia. Monteleone P, et al. **Psychoneuroendocrinology** 1985; 10(4):475–80

METABOLISM

Pharmacokinetic aspects of drug effects in vitro: effects of serum protein binding on concentration and teratogenicity of valproic acid and 2-en-valproic acid in whole embryos in culture. Lewandowski C, et al. **Arch Toxicol** 1986 Apr; 58(4):239–42

Pharmacokinetic evaluation of novel sustained-release dosage forms of valproic acid in humans. Bialer M, et al. **Biopharm Drug Dispos** 1985 Oct–Dec;6(4):401–11

The effect of aspirin on valproic acid metabolism. Abbott FS, et al. **Clin Pharmacol Ther** 1986 Jul;40(1):94–100

Valproate hydroxylation by human fetal tissues and embryotoxicity of metabolites. Rettie AE, et al. **Clin Pharmacol Ther** 1986 Aug;40(2):172–7

Impaired biliary elimination of beta-glucuronidase-resistant "glucuronides" of valproic acid after intravenous administration in the rat. Evidence for oxidative metabolism of the resistant isomers. Dickinson RG, et al. **Drug Metab Dispos** 1986 Mar–Apr;14(2):255–62

Metabolic fate of valproic acid in the rhesus monkey. Formation of a toxic metabolite, 2-n-propyl-4-pentenoic acid. Rettenmeier AW, et al. **Drug Metab Dispos** 1986 Jul–Aug;14(4):443–53

Biotransformation and pharmacokinetics in the rhesus monkey of 2-n-propyl-4-pentenoic acid, a toxic metabolite of valproic acid. Rettenmeier AW, et al. **Drug Metab Dispos** 1986 Jul–Aug;14(4):454–64

Enzyme cytochemistry combined with electron microscopy, pharmacokinetics, and clinical chemistry for the evaluation of the effects of steady-state valproic acid concentrations on the mouse. Graf R, et al. **Histochemistry** 1985; 83(4):347–58

The clinical significance of metal binding in convulsion control with sodium valproate. Healy MA, et al. **J Clin Hosp Pharm** 1986 Jun;11(3):189–98

Valproate metabolite concentrations in brain increase with chronic administration of sodium valproate. Carl GF, et al. **Life Sci** 1985 Nov 25;37(21):2029–35

Transfer of valproic acid and its main active unsaturated metabolite to the gestational tissue: correlation with neural tube defect formation in the mouse. Nau H. **Teratology** 1986 Feb;33(1):21–7

Valproic acid–amitriptyline interaction in man [letter] Pisani F, et al. **Ther Drug Monit** 1986;8(3):382–3

[Digestive absorption of a single loading dose of sodium valproate solution. Comparison of oral and rectal routes (letter)] Giroud M, et al. **Presse Med** 1985 Sep 21; 14(31):1667–8 **(Fre)**

PHARMACODYNAMICS

The GABAergic control of prolactin release is not affected by insulin-dependent diabetes mellitus: evidence from studies with sodium valproate. Coiro V, et al. **Acta Diabetol Lat** 1986 Jan–Mar;23(1):51–5

Effect of single and repeated treatment of chlordiazepoxide and sodium valproate on water intake in the rat and their influence on the antidipsogenic action of naloxone. Cannizzaro G, et al. **Arzneimittelforschung** 1986 Apr; 36(4):718–21

Inhibition of medium-chain fatty acid beta-oxidation in vitro by valproic acid and its unsaturated metabolite, 2-n-propyl-4-pentenoic acid. Bjorge SM, et al. **Biochem Biophys Res Commun** 1985 Oct 15;132(1):245–52

Inhibition of hexonate dehydrogenase and aldose reductase from bovine retina by sorbinil, statil, M79175 and valproate. Poulsom R. **Biochem Pharmacol** 1986 Sep 1;35(17):2955–9

Effects of inhibitors of GABA-transaminase on hole-board exploration and on temperature. Relation with effects on quasi-morphine abstinence behaviour induced by sodium dipropylacetate. van der Laan JW, et al. **Biochem Pharmacol** 1985 Nov 1;34(21):3789–94

Effects of organic acids on the synthesis of citrulline by intact rat liver mitochondria. Rabier D, et al. **Biochimie** 1986 May; 68(5):639–47

Anaesthesia abolishes the effect of valproate on extracellular 5-HIAA, DOPAC and ascorbate as measured in rat striatum by differential pulse voltammetry. Crespi F, et al. **Br J Pharmacol** 1986 Jan;87(1):279–83

The lack of effect of sodium valproate on the pharmacokinetics of oral contraceptive steroids. Crawford P, et al. **Contraception** 1986 Jan;33(1):23–9

Inhibitory effect of valproic acid on the disposition of carbamazepine and carbamazepine-10,11-epoxide in the rat. Chang SL, et al. **Drug Metab Dispos** 1986 May–Jun; 14(3):281–6

EEG characteristics of epileptic pattern sensitivity and their relation to the nature of pattern stimulation and the effects of sodium valproate. Darby CE, et al. **Electroencephalogr Clin Neurophysiol** 1986 Jun; 63(6):517–25

Effect of sodium valproate on subcellular fraction enzymes in rat liver. Cotariu D, et al. **Enzyme** 1985;34(4):196–200

The effect of sodium valproate on sleep, reaction times, and visual evoked potential in normal subjects. Harding GF, et al. **Epilepsia** 1985 Nov–Dec;26(6):597–601

Valproate reduces excitability by blockage of sodium and potassium conductance. VanDongen AM, et al. **Epilepsia** 1986 May–Jun;27(3):177–82

Effects of carbamazepine and valproic acid on brain immunoresctive somatostatin and gamma-aminobutyric acid in amygdaloid-kindled rats. Higuchi T, et al. **Eur J Pharmacol** 1986 Jun 17;125(2):169–75

Valproic acid effects on leukocytes and platelets of Sprague-Dawley rats. Almodovar-Cuevas C, et al. **Gen Pharmacol** 1985;16(4):423–6

Differential effects of valproic acid on the serum protein binding of lorazepam and diazepam. Calvo R, et al. **Int J Clin Pharmacol Res** 1986;6(3):213–5

Histological, ultrastructural and mitochondrial oxidative phosphorylation studies in liver of rats chronically treated with oral valproic acid. Jimenez-Rodriguezvila M, et al. **J Hepatol** 1985;1(5):453–65

Protective effect of GABA and sodium valproate on stress-induced gastric lesions in guinea-pigs. Miñano FJ, et al. **J Pharm Pharmacol** 1985 Sep;37(9):675–7

Inhibition of epoxidation of carbamazepine by valproic acid in the isolated perfused rat liver. Chang SL, et al. **J Pharmacokinet Biopharm** 1985 Oct;13(5):453–66

Sodium valproate, but not ethosuximide, produces use- and voltage-dependent limitation of high frequency repetitive firing of action potentials of mouse central neurons in cell culture. McLean MJ, et al. **J Pharmacol Exp Ther** 1986 Jun;237(3):1001–11

Valproate increases diazepam impregnation selectively in CNS of the rat after subchronic administration. Hariton C, et al. **Life Sci** 1985 Oct 7;37(14):1343–9

Pharmacological evidence for a dual GABAergic regulation of growth hormone release in humans. Steardo L, et al. **Life Sci** 1986 Sep 15;39(11):979–85

Drug interactions with the pill [letter] Curran MA. **Med J Aust** 1986 Jun 9;144(12):670–1

Effects of sodium valproate on mitochondrial membranes: electron paramagnetic resonance and transmembrane protein movement studies. Rumbach L, et al. **Mol Pharmacol** 1986 Sep;30(3):270–3

Effect of chronic valproate treatment on folate-dependent methyl biosynthesis in the rat. Carl GF. **Neurochem Res** 1986 May;11(5):671–85

Sodium valproate and brainstem energetics. McCandless DW, et al. **Neurochem Res** 1985 Oct;10(10):1429–37

Effects of valproic acid in cultured mammalian neurons. Buchhalter JR, et al. **Neurology** 1986 Feb;36(2):259–62

Valproic acid pharmacokinetics in children. II. Discontinuation of concomitant antiepileptic drug therapy. Cloyd JC, et al. **Neurology** 1985 Nov;35(11):1623–7

Effects of valproate on biogenesis and function of liver mitochondria. Hayasaka K, et al. **Neurology** 1986 Mar; 36(3):351–6

Differential effect of gamma-vinyl GABA and valproate on GABA-transaminase from cultured neurones and astrocytes. Larsson OM, et al. **Neuropharmacology** 1986 Jun;25(6):617–25

Sodium valproate stimulates the particulate form of glutamine synthetase in rat brain. Phelan P, et al. **Neuropharmacology** 1985 Sep;24(9):895–902

Depression of hippocampal low calcium field bursts by the antiepileptic drug valproic acid. Agopyan N, et al. **Neurosci Lett** 1985 Sep 16;60(1):57–62

Development of tolerance to the anticonvulsant effect of GABAmimetic drugs in genetically epilepsy-prone gerbils. Löscher W. **Pharmacol Biochem Behav** 1986 Apr; 24(4):1007–13

Chronic effects of clonazepam, phenytoin, ethosuximide, and valproic acid on learning in pigeons as assayed by a repeated acquisition procedure. Poling A, et al. **Pharmacol Biochem Behav** 1986 Jun;24(6):1583–6

Effects of valproic acid and ethosuximide on the responding of pigeons maintained under a multiple fixed-ratio fixed-interval schedule of food delivery. Poling A, et al. **Pharmacol Biochem Behav** 1985 Sep;23(3):469–72

Influence of ethosuximide and dipropylacetate on metrazol-induced electrocorticographic changes during ontogenesis in rats. Mareš P, et al. **Physiol Bohemoslov** 1986;35(2):151–61

Influence of valproate and carbamazepine on symmetrical cortical penicillin foci in the rat. Marešová D, et al. **Physiol Bohemoslov** 1985;34(6):562–6

Discriminative stimulus properties of valproic acid in the pigeon. Picker M, et al. **Psychopharmacology (Berlin)** 1985; 87(4):449–53

Effects of anticonvulsant drugs on brain cultures from chick embryos: a comparison with culturer from embryos treated in ovo. Sedowofia SK, et al. **Teratogenesis Carcinog Mutagen** 1985;5(3):205–17

[The effects of sodium valproate on neuron discharges in the superior colliculus of the cat] Enomoto H, et al. **Nippon Ganka Gakkai Zasshi** 1986 Jan;90(1):173–8 (Eng. Abstr.) **(Jpn)**

[Effect of anticonvulsants on serum protein binding of 14C-diazepam] Mimaki T, et al. **No To Hattatsu** 1985 Nov; 17(6):485–90 (Eng. Abstr.) **(Jpn)**

POISONING

Neurological sequelae after intoxication with sodium

valproate. Bigler D. **Acta Neurol Scand** 1985 Sep; 72(3):351–2
Acute valproate intoxication with fatal outcome in an infant. Janssen F, et al. **Neuropediatrics** 1985 Nov;16(4):235–8
[Hepatotoxicity of valproic acid treatment] Keulen FP, et al. **Klin Padiatr** 1985 Sep–Oct;197(5):431–6 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

No effect of treatment with sodium valproate on plasma growth hormone in bromocriptine unresponsive acromegaly. Nortier JW, et al. **Acta Endocrinol (Copenh)** 1986 Feb;111(2):162–4
Valproate: an updated review. Gram L, et al. **Acta Neurol Scand** 1985 Aug;72(2):129–39 (161 ref.)
Prophylactic treatment with valproic acid or diazepam in children with febrile convulsions. Lee K, et al. **Acta Paediatr Scand** 1986 Jul;75(4):593–7
Valproate and myoclonus. Chapman AG. **Adv Neurol** 1986; 43:661–74 (83 ref.)
Possible mechanisms of action of valproic acid in myoclonus. Van Woert MH, et al. **Adv Neurol** 1986;43:653–60
Sodium valproate monotherapy in childhood epilepsy. Dulac O, et al. **Brain Dev** 1986;8(1):47–52
Valproic acid in the treatment of epilepsy during the pediatric age. Olmos–Garcia de Alba G, et al. **Clin Electroencephalogr** 1986 Jan;17(1):14–20
Unaltered stimulation of pituitary adrenocorticotrophin secretion by corticotrophin–releasing factor following sodium valproate administration in a patient with Nelson's syndrome. Gomi M, et al. **Clin Endocrinol (Oxf)** 1985 Aug; 23(2):123–7
Hypothalamic pituitary function testing on children receiving carbamazepine or sodium valproate. Conran MJ, et al. **Epilepsia** 1985 Nov–Dec;26(6):585–8
Nutritional influence on serum ammonia in young patients receiving sodium valproate. Laub MC. **Epilepsia** 1986 Jan–Feb;27(1):55–9
Use of sodium valproate. Buchanan N. **Indian J Pediatr** 1985 Nov–Dec;52(419):645–9
Pharmacologic probes of neurotransmitter systems in tardive dyskinesia: implications for clinical management. Nasrallah HA, et al. **J Clin Psychiatry** 1986 Feb;47(2):56–9
The specific protective effect of diazepam and valproate against isoniazid–induced seizures is not correlated with increased GABA levels. Bernasconi R, et al. **J Neural Transm** 1985;63(2):169–89
Carbamazepine, phenytoin and sodium valproate monotherapy [letter] Duncan J. **J Neurol Neurosurg Psychiatry** 1986 Mar;49(3):334–5
Complex partial seizures: EEG foci and response to carbamazepine and sodium valproate. Gupta AK, et al. **J Neurol Neurosurg Psychiatry** 1985 Oct;48(10):1010–4
Use of ethosuximide and valproate in the treatment of epilepsy. Wallace SJ. **Neurol Clin** 1986 Aug;4(3):601–16 (97 ref.)
Longterm follow–up of childhood epilepsy with absences. II. Absence–epilepsy with initial grand mal. Dieterich E, et al. **Neuropediatrics** 1985 Aug;16(3):155–8
Alterations in transient visual–evoked potentials induced by clonazepam and sodium valproate. Declerck AC, et al. **Neuropsychobiology** 1985;14(1):39–41
Sodium valproate in epilepsy treatment [letter] Brown EG. **Practitioner** 1986 Mar;230(1413):204
[Clinical and electroencephalographic study of the effects of valpramide in treating epilepsy] Zhou SS. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1985 Jun; 18(3):142–4 (Eng. Abstr.) **(Chi)**
[Hiccup. The physiopathological basis for treatment with special reference to valproate in therapy–resistant episodes] Mikkelsen B. **Ugeskr Laeger** 1986 Jul 28;148(31):1951–3 (Eng. Abstr.) **(Dan)**
[Progressive myoclonus epilepsy and pregnancy] Hartikainen–Sorri AL, et al. **Duodecim** 1986;102(2):116–8 **(Fin)**
[Possible uses of Convulsofin liquid in the treatment of pediatric epilepsies] Klepel H, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Mar; 38(3):142–7 (Eng. Abstr.) **(Ger)**
[Hyperammonemia during sodium valproate therapy: clinically relevant or accidental finding?] Ettlin T, et al. **Schweiz Rundsch Med Prax** 1986 Jul 15;75(29):881–5 (Eng. Abstr.) **(Ger)**
[Further therapeutic possibilities with valproic acid (Convulex)] Auff E, et al. **Wien Med Wochenschr** 1985 Sep 15;135(17):421–3 (Eng. Abstr.) **(Ger)**
[Therapy of infantile spasms (West syndrome) with sodium dipropylacetate] Pavone L, et al. **Pediatr Med Chir** 1985 Sep–Oct;7(5):703–6 (Eng. Abstr.) **(Ita)**
[Visual evoked potentials in photosensitive epilepsy—effect of valproic acid therapy] Miyao M, et al. **No To Hattatsu** 1986 May;18(3):238–9 **(Jpn)**
[Preventive effect of valproic acid amide in affective diseases] Klosiewicz L. **Psychiatr Pol** 1985 Jan–Feb;19(1):23–9 (Eng. Abstr.) **(Pol)**
[Effect of diazepam, carbamazepine, sodium valproate and their combinations with vitamin preparations on epileptic activity] Kryzhanovskii GN, et al. **Biull Eksp Biol Med** 1985 Nov;100(11):545–7 (Eng. Abstr.) **(Rus)**
[Use of sodium valproate in children] Koivikko M. **Pediatria** 1985 Jul;(7):57–60 **(Rus)**

TOXICITY

Valproic acid teratogenicity in whole embryo culture is not prevented by zinc supplementation. Coakley ME, et al. **Biochem Pharmacol** 1986 Mar 15;35(6):1052–5
Therapeutic levels of sodium valproate inhibit mitotic indices in cells of neural origin. Regan CM. **Brain Res** 1985 Nov 18;347(2):394–8
Valproic acid teratogenicity in mice after various administration and phenobarbital–pretreatment regimens: the parent drug and not one of the metabolites assayed is implicated as teratogen. Nau H. **Fundam Appl Toxicol** 1986 May;6(4):662–8
Pharmacologic evaluation of various metabolites and analogs of valproic acid: teratogenic potencies in mice. Nau H, et al. **Fundam Appl Toxicol** 1986 May;6(4):669–76
Valproate causes metabolic disturbance in normal man. Turnbull DM, et al. **J Neurol Neurosurg Psychiatry** 1986 Apr;49(4):405–10
An assessment of the effects of cyclophosphamide and sodium valproate on the viability of preimplantation mouse embryos using the fluorescein diacetate test. Kola I, et al. **Teratogenesis Carcinog Mutagen** 1986;6(1):23–31
Predicting the human teratogenic potential of the anticonvulsant, valproic acid, from a non–human primate model. Mast TJ, et al. **Toxicology** 1986 May;39(2):111–9
Inhibition of gluconeogenesis by sodium valproate and its metabolites in isolated rat hepatocytes. Rogiers V, et al. **Xenobiotica** 1985 Aug–Sep;15(8–9):759–65

VALSALVA'S MANEUVER

Response to the Valsalva maneuver after the Fontan procedure for tricuspid valve atresia, single ventricle or pulmonic valve atresia. Gidding SS, et al. **Am J Cardiol** 1985 Nov 15;56(13):905–9
The "simple" Valsalva.Beller LC, et al. **Am J Nurs** 1986 Apr;86(4):398–9
Hemorrhagic valsalva retinopathy in Leber's optic neuropathy. Raymond LA, et al. **Ann Ophthalmol** 1985 Sep; 17(9):553–4
The effect of age on blood flow in response to the Valsalva manoeuver. Khurana I, et al. **Indian J Med Sci** 1985 Dec; 39(12):294–7
Effects of age and blood pressure on the cardiovascular responses to the Valsalva maneuver. Shimada K, et al. **J Am Geriatr Soc** 1986 Jun;34(6):431–4
Changes in tracheal cross–sectional area during Mueller and Valsalva maneuvers in humans. Brown IG, et al. **J Appl Physiol** 1986 Jun;60(6):1865–70
The Valsalva maneuver and response revisited. Nishimura RA, et al. **Mayo Clin Proc** 1986 Mar;61(3):211–7 (27 ref.)
Alveolar clamp mechanism in the Valsalva maneuver [letter] Simmons VP. **Mayo Clin Proc** 1986 Sep;61(9):757–8
Valsalva–induced variations in the intracardiac signal. Rosenqvist M, et al. **PACE** 1985 Nov;8(6):856–61
Valsalva maneuver biomechanics. Effects on lumbar trunk loads of elevated intraabdominal pressures. Nachemson AL, et al. **Spine** 1986 Jun;11(5):476–9
[Valsalva's maneuver in the evaluation of the baroceptor sensitivity in borderline hypertensives: comparative study of other methods] Trimarco B, et al. **Cardiologia** 1982; 27(3):271–9 **(Ita)**
[Evaluation of Valsalva's maneuver and isometric muscular exercise in normal individuals] Espí F, et al. **Rev Esp Cardiol** 1986 May–Jun;39(3):213–9 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Subperiosteal orbital hematoma induced by the valsalva maneuver. Katz B, et al. **Am J Ophthalmol** 1985 Oct 15; 100(4):617–8

VALYL T RNA SYNTHETASE see under AMINO ACYL T RNA SYNTHETASES

VAN BOGAERT'S LEUKOENCEPHALITIS see SUBACUTE SCLEROSING PANENCEPHALITIS

VANADIUM

Role of vanadium in biology. Symposium summary. **Fed Proc** 1986 Feb;45(2):123–32

ADMINISTRATION & DOSAGE

Salutary effects of ATP–MgCl2 are not dependent on the presence of vanadium or the source of ATP. Hayashi H, et al. **Circ Shock** 1986;18(3):259–61

ADVERSE EFFECTS

Vanadium and manic depressive psychosis. Naylor GJ. **Nutr Health** 1984;3(1–2):79–85 (32 ref.)

ANALYSIS

Quantitation of vanadium oxides in airborne dusts by X–ray diffraction. Carsey TP. **Anal Chem** 1985 Sep;57(11):2125–30
Determination of nanogram quantities of vanadium in biological material by isotope dilution thermal ionization mass spectrometry with ion counting detection. Fassett JD, et al. **Anal Chem** 1985 Nov;57(13):2474–8
Formation and decay of the vanadate complex of the sarcoplasmic reticulum calcium transport protein. Medda P, et al. **Z Naturforsch [C]** 1985 Nov–Dec;40(11–12):876–9

BLOOD

Does vanadium play a role in depressive states? Conri C, et al. **Biol Psychiatry** 1986 May;21(5–6):546–8
Blood levels of vanadium, caesium, and other elements in depressive patients. Ali SA, et al. **J Affective Disord** 1985 Sep;9(2):187–91
Spectral characterization of vanadium–transferrin systems. Bertini I, et al. **J Inorg Biochem** 1985 Sep;25(1):57–60

METABOLISM

Kinetic model of whole–body vanadium metabolism: studies in sheep. Patterson BW, et al. **Am J Physiol** 1986 Aug;251(2 Pt 2):R325–32
51V–n.m.r. analysis of the binding of vanadium(V) oligoanions to sarcoplasmic reticulum. Csermely P, et al. **Biochem J** 1985 Sep 15;230(3):807–15
Chromate, molybdate, tungstate and vanadate behave as substrates of yeast diadenosine 5',5'''–p1,p4–tetraphosphate alpha, beta–phosphorylase. Guranowski A, et al. **Biochimie** 1986 May;68(5):757–60
Biodistribution and pharmacokinetics of vanadium following intraperitoneal administration of vanadocene dichloride to mice. Toney JH, et al. **Chem Biol Interact** 1985 Dec 17; 56(1):45–54
Vanadium metabolism in sheep. III. Influence of dietary vanadium on kinetics of 48V administered orally or intravenously and comparison of compartmental and graphical models. Hansard SL 2d, et al. **J Anim Sci** 1986 Mar;62(3):804–12
Characterization of the ATPase active site in myosin subfragment–1 with the use of vanadate plus ADP as a reversible "affinity–labeling" reagent: evidence for heterogeneity in the active sites. Emoto Y, et al. **J Biochem (Tokyo)** 1985 Sep;98(3):735–45
Oligovanadate binding to sarcoplasmic reticulum ATPase. Evidence for substrate analogue behavior. Coan C, et al. **J Biol Chem** 1986 Aug 5;261(22):10394–403
Specific cleavage of dynein heavy chains by ultraviolet irradiation in the presence of ATP and vanadate. Lee–Eiford A, et al. **J Biol Chem** 1986 Feb 15; 261(5):2337–42
Further studies of the mechanism of the enhancement of NADH oxidation by vanadate. Liochev S, et al. **J Free Radic Biol Med** 1985;1(4):287–92
Antitumor activity and toxicity of peroxo heteroligand vanadates(V) in relation to biochemistry of vanadium. Djordjevic C, et al. **J Inorg Biochem** 1985 Sep;25(1):51–5
Reduction of vanadate by some psychotropic drugs (chlorpromazine, imipramine and dosulepin) and the effect of bleomycine on Na, K–ATPase. Vyskočil F, et al. **Physiol Bohemoslov** 1985;34 Suppl:171–5
Interaction of vanadate with phenol and tyrosine: implications for the effects of vanadate on systems regulated by tyrosine phosphorylation. Tracey AS, et al. **Proc Natl Acad Sci USA** 1986 Feb;83(3):609–13
Tissue vanadium levels in manic–depressive psychosis. Naylor GJ, et al. **Psychol Med** 1984 Nov;14(4):767–72
[Elimination of metals from the body as an indicator of their combined effect] Kazimov MA. **Gig Tr Prof Zabol** 1986 Jun;(6):12–5 (Eng. Abstr.) **(Rus)**
[NADH–vanadate–oxidoreductase in emotional–pain stress and its possible role in the regulation of Na+–K+–ATPase activity] Iakushev VS, et al. **Ukr Biokhim Zh** 1985 Nov–Dec;57(6):34–8 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Hemodynamic effects of vanadate administration in rats with different levels of sodium intake. Lopez–Novoa JM, et al. **Am J Med Sci** 1986 Mar;291(3):152–6
Inhibition of cycling and noncycling cross bridges in skinned smooth muscle by vanadate. Nayler RA, et al. **Am J Physiol** 1986 Feb;250(2 Pt 1):C325–32
Vanadate enhancement of the oxidation of NADH by O2–: effects of phosphate and chelating agents. Darr D, et al. **Arch Biochem Biophys** 1985 Nov 15;243(1):220–7
Vanadate–stimulated NADH oxidation by xanthine oxidase: an intrinsic property. Khandke L, et al. **Arch Biochem Biophys** 1986 Feb 1;244(2):742–9
Contractile effects of vanadate on monkey and rabbit trscheal smooth muscle. Ueda F, et al. **Arch Int Pharmacodyn Ther** 1985 Jul;276(1):120–32
Vanadate stimulation of IGF binding to rat adipocytes. Kadota S, et al. **Biochem Biophys Res Commun** 1986 Jul 16;138(1):174–8
Selectivity of the insulin–like actions of vanadate on glucose and protein metabolism in skeletal muscle. Clark AS, et al. **Biochem J** 1985 Nov 15;232(1):273–6
Effects of dietary vanadium exposure on levels of regional brain neurotransmitters and their metabolites. Sharma RP, et al. **Biochem Pharmacol** 1986 Feb 1;35(3):461–5
Magnetic relaxation of solvent protons by Cu2+– and VO2+–substituted transferrin: theoretical analysis and biochemical implications. Bertini I, et al. **Biochemistry** 1985 Oct 22;24(22):6287–90
Fluorometric titration of the sarcoplasmic reticulum adenosinetriphosphatase calcium sites in the presence of vanadate. Fernández Belda F, et al. **Biochim Biophys Acta** 1986 Jan 29;854(2):257–64

Effects of vanadate, menadione and menadione analogs on the Ca2+-activated K+ channels in human red cells. Possible relations to membrane-bound oxidoreductase activity. Fuhrmann GF, et al. **Biochim Biophys Acta** 1985 Nov 7;820(2):223-34

The effects of vanadium compounds on the activation of adenylate cyclase from rat adrenal membrane. Hayashi Y, et al. **Biochim Biophys Acta** 1986 Jan 17;869(1):29-36

Inhibition by divalent cations and sulphydryl reagents of the passive Ca2+ transport in human red blood cells observed in the presence of vanadate. Varečka L, et al. **Biochim Biophys Acta** 1986 Apr 25;856(3):585-94

Effects of sodium vanadate on various types of vascular smooth muscles. Shimada T, et al. **Blood Vessels** 1986; 23(3):113-24

The effect of vanadate on Na+,K+-ATPase activity of mouse cerebral cortex during bicuculline-induced seizures. Folbergrová J. **Brain Res** 1986 Jan 15;363(1):53-61

The effects of vanadate and molybdate on cathepsin D; relationship to ATP activation of lysosomal proteolysis. Pillai S, et al. **Cell Biol Int Rep** 1985 Dec;9(12):1091-6

Effects of vanadate on the assembly and disassembly of purified tubulin. Kirazov EP, et al. **Cell Motil Cytoskeleton** 1986;6(3):314-23

Tumor-promoting phorbol esters and vanadate alter the sensitivity of HeLa S3 cells to poliovirus type 1. Madshus IH, et al. **Exp Cell Res** 1985 Sep;160(1):240-4

Modulation by vanadate of the adrenergic characteristics of the iris, ileum, and vas deferens. Delamere NA, et al. **Invest Ophthalmol Vis Sci** 1986 Sep;27(9):1336-41

The influence of reserpine and propranolol upon the IOP response to vanadate in the rabbit. Delamere NA, et al. **Invest Ophthalmol Vis Sci** 1985 Oct;26(10):1442-5

Isolation and characterization of vanadate-resistant mutants of Saccharomyces cerevisiae. Willsky GR, et al. **J Bacteriol** 1985 Nov;164(2):611-7

The vanadate-sensitive ATPase of Streptococcus faecalis pumps potassium in a reconstituted system. Fürst P, et al. **J Biol Chem** 1986 Mar 25;261(9):4302-8

Activation of 45Ca2+ influx and 22Na+/H+ exchange by epidermal growth factor and vanadate in A431 cells is independent of phosphatidylinositol turnover and is inhibited by phorbol ester and diacylglycerol. Macara IG. **J Biol Chem** 1986 Jul 15;261(20):9321-7

The influence of tunichrome and other reducing compounds on tunic and fin formation in embryonic Ascidia callosa Stimpson. Robinson WE, et al. **J Exp Zool** 1986 Jan; 237(1):63-72

Suppression of muscle contraction by vanadate. Mechanical and ligand binding studies on glycerol-extracted rabbit fibers. Dantzig JA, et al. **J Gen Physiol** 1985 Sep; 86(3):305-27

Immunocytochemical localization of a tartrate-resistant and vanadate-sensitive acid nucleotide tri- and diphosphatase. Andersson GN, et al. **J Histochem Cytochem** 1986 Mar; 34(3):293-8

The importance of diet composition in ultratrace element research. Nielsen FH. **J Nutr** 1985 Oct;115(10):1239-47 (57 ref.)

Effects of vanadium on reproduction, gestation, parturition and lactation in rats upon oral administration. Domingo JL, et al. **Life Sci** 1986 Sep 1;39(9):819-24

Vanadium inhibits ACTH-mediated but not cyclic AMP-dependent adrenal steroidogenesis. Hayashi Y, et al. **Mol Cell Endocrinol** 1986 Jan;44(1):17-24

Activation of acetylcholinesterase by vanadate. Catalán RE, et al. **Neuropharmacology** 1985 Nov;24(11):1119-22

Contraction independent of extracellular Ca by sodium vanadate in guinea-pig vas deferens. Shimada T, et al. **Nippon Heikatsukin Gakkai Zasshi** 1985 Apr;21(2):107-17

Effects of vanadate on contractions of SHRSP mesenteric arteries induced by field stimulations. Shimamura K, et al. **Nippon Heikatsukin Gakkai Zasshi** 1985 Aug;21(4):277-8

Effects of sodium vanadate on the smooth muscle of the guinea-pig vas deferens. Sunano S, et al. **Nippon Heikatsukin Gakkai Zasshi** 1985 Apr;21(2):95-105

Effect of intracerebroventricular vanadate administration on salt and water intake and excretion in the rat. Chiaraviglio E, et al. **Pharmacol Biochem Behav** 1986 Jun;24(6):1503-8

Some effects of orthovanadate on smooth muscle cells of guinea-pig taenia caeci. den Hertog A, et al. **Pharmacology** 1985;31(6):337-41

Stimulation of phosphatidylinositol phosphorylation in the sarcoplasmic reticular Ca2+-transport ATPase by vanadate. Varsányi M, et al. **Z Naturforsch [C]** 1986 Mar; 41(3):310-4

THERAPEUTIC USE

Antitumor activity and toxicity of peroxo heteroligand vanadates(V) in relation to biochemistry of vanadium. Djordjevic C, et al. **J Inorg Biochem** 1985 Sep;25(1):51-5

TOXICITY

Pulmonary effects of acute vanadium pentoxide inhalation in monkeys. Knecht EA, et al. **Am Rev Respir Dis** 1985 Dec;132(6):1181-5

Vanadate supplements and 1,2-dimethylhydrazine induced colon cancer in mice: increased thymidine incorporation without enhanced carcinogenesis. Kingsnorth AN, et al. **Br J Cancer** 1986 May;53(5):683-6

Pulmonary response and intrapulmonary lipids in rats exposed to bismuth orthovanadate dust by inhalation. Lee KP, et al. **Environ Res** 1986 Jun;40(1):115-35

Short-term toxicity studies of vanadium in rats. Domingo JL, et al. **J Appl Toxicol** 1985 Dec;5(6):418-21

Influence of cottonseed meal on vanadium toxicity and 48vanadium distribution in body tissues of laying hens. Sell JL, et al. **Poult Sci** 1986 Jan;65(1):138-46

Effect of chronic vanadate administration on pulmonary circulation in the rat. Sušić D, et al. **Respiration** 1986; 49(1):68-72

Organ toxicity of metallocene dichlorides. The effect of (C5H5)2TiCl2 and (C5H5)2VCl2 on renal structure. Köpf-Maier P, et al. **Toxicology** 1986 Jan;38(1):81-90

[Toxicity of water-soluble vanadium cyclopentadienyl complexes] Davydov VF, et al. **Gig Tr Prof Zabol** 1986 Mar;(3):48-9 **(Rus)**

URINE

Sensitive determination of urinary vanadium by solvent extraction and atomic absorption spectroscopy. Buratti M, et al. **Clin Chim Acta** 1985 Jul 30;150(1):53-8

VANCOMYCIN

ADMINISTRATION & DOSAGE

Approach to patients with multiple relapses of antibiotic-associated pseudomembranous colitis. Tedesco FJ, et al. **Am J Gastroenterol** 1985 Nov;80(11):867-8

Topical vancomycin formulation for methicillin-resistant Staphylococcus epidermidis blepharoconjunctivitis. Fleischer AB, et al. **Am J Ophthalmol** 1986 Mar 15; 101(3):283-7

Intravenous vancomycin as initial treatment for gram-positive peritonitis in patients on chronic peritoneal dialysis. Obermiller LE, et al. **Clin Nephrol** 1985 Nov; 24(5):256-60

Individualized adjustment of vancomycin dosage: comparison with two dosage nomograms. Rybak MJ, et al. **Drug Intell Clin Pharm** 1986 Jan;20(1):64-8

Bacteriological efficacy of nafcillin and vancomycin alone or combined with rifampicin or amikacin in experimental meningitis due to methicillin-susceptible or -resistant Staphylococcus aureus. Sato K, et al. **Jpn J Antibiot** 1985 Aug;38(8):2155-6?

Intraventricular vancomycin: observations of tolerance and pharmacokinetics in two infants with ventricular shunt infections. Pau AK, et al. **Pediatr Infect Dis** 1986 Jan-Feb; 5(1):93-6

A simplified dosing method for initiating vancomycin therapy. Lake KD, et al. **Pharmacotherapy** 1985 Nov-Dec; 5(6):340-4

ADVERSE EFFECTS

Interaction between vancomycin and ticarcillin [letter] Teresi M, et al. **Am J Hosp Pharm** 1985 Nov;42(11):2420, 2422

Red neck syndrome with slow infusion of vancomycin [letter] Arroyo JC, et al. **Am J Kidney Dis** 1986 Jun;7(6):511

Vancomycin-induced neutropenia complicating bone marrow recovery in a patient with leukemia. Case report and review of the literature. Mordenti J, et al. **Am J Med** 1986 Feb;80(2):333-5

The "red man's syndrome" and slow infusion of vancomycin [letter] Davis RL, et al. **Ann Intern Med** 1986 Feb; 104(2):285-6

Vancomycin and the 'red-neck syndrome' [letter] Wade TP, et al. **Arch Surg** 1986 Jul;121(7):859-60

A prospective study of adverse reactions associated with vancomycin therapy. Sorrell TC, et al. **J Antimicrob Chemother** 1985 Aug;16(2):235-41

Man/woman achieves whole red personhood through vancomycin [letter] Rolston KV, et al. **JAMA** 1986 May 9;255(18):2445

Allergic cross-reactivity of teicoplanin and vancomycin [letter] McElrath MJ, et al. **Lancet** 1986 Jan 4;1(8471):47

Adverse effects of vancomycin administered in the perioperative period. Southorn PA, et al. **Mayo Clin Proc** 1986 Sep;61(9):721-4

Vancomycin-induced vasculitis. Markman M, et al. **South Med J** 1986 Mar;79(3):382-3

ANALOGS & DERIVATIVES

[Separation and identification of N-demethylvancomycin] Liu YF, et al. **Yao Hsueh Hsueh Pao** 1985 Dec;20(12):931-2 (Eng. Abstr.) **(Chi)**

ANALYSIS

Stability of vancomycin hydrochloride in 5% dextrose and 0.9% sodium chloride injections. Das Gupta V, et al. **Am J Hosp Pharm** 1986 Jul;43(7):1729-31

Solid-phase enzyme-receptor assay (SPERA): a competitive-binding assay for glycopeptide antibiotics of the vancomycin class. Corti A, et al. **Clin Chem** 1985 Oct; 31(10):1606-10

[Separation and identification of N-demethylvancomycin] Liu YF, et al. **Yao Hsueh Hsueh Pao** 1985 Dec;20(12):931-2 (Eng. Abstr.) **(Chi)**

BIOSYNTHESIS

A cryptic plasmid from Nocardia orientalis NRRL 2452, a vancomycin producer. Oh YK, et al. **J Antibiot (Tokyo)** 1986 May;39(5):694-8

BLOOD

Simplified liquid-chromatographic determination of vancomycin. Rosenthal AF, et al. **Clin Chem** 1986 Jun; 32(6):1016-9

[HPLC, RIA, FPIA. Evaluation of 3 methods for the assay of vancomycin] Jehl F, et al. **Pathol Biol (Paris)** 1985 Jun; 33(5 Pt 2):511-6 (Eng. Abstr.) **(Fre)**

CEREBROSPINAL FLUID

Pharmacokinetics of intraventricular vancomycin in hydrocephalic rats. Howard MA, et al. **Neurosurgery** 1986 Jun;18(6):725-9

METABOLISM

Vancomycin pharmacokinetics in small, seriously ill infants. Naqvi SH, et al. **Am J Dis Child** 1986 Feb;140(2):107-10

Vancomycin pharmacokinetics in neonates [letter] Spivey JM, et al. **Am J Dis Child** 1986 Sep;140(9):859

Vancomycin and necrotising enterocolitis [letter] Tulloh R, et al. **Arch Dis Child** 1986 Jul;61(7):719-20

Vancomycin elimination in patients with burn injury. Brater DC, et al. **Clin Pharmacol Ther** 1986 Jun;39(6):631-4

Vancomycin pharmacokinetics in continuous ambulatory peritoneal dialysis patients with peritonitis. Harford AM, et al. **Nephron** 1986;43(3):217-22

Vancomycin pharmacokinetics in infants: relationships to indices of maturation. Schaible DH, et al. **Pediatr Infect Dis** 1986 May-Jun;5(3):304-8

[Pharmacokinetics of vancomycin in chronic renal failure patients in continuous ambulatory peritoneal dialysis (CAPD) after intra-abdominal administration] Mounier M, et al. **Pathol Biol (Paris)** 1985 Jun;33(5 Pt 2):542-4 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Vancomycin and the kidney. Appel GB, et al. **Am J Kidney Dis** 1986 Aug;8(2):75-80 (49 ref.)

Vancomycin-resistant streptococci or Leuconostoc sp. Buu-Hoï A, et al. **Antimicrob Agents Chemother** 1985 Sep; 28(3):458-60

Vancomycin hypersusceptibility in Neisseria gonorrhoeae isolated from patients involves diverse mutations. Koelbl JA, et al. **Antimicrob Agents Chemother** 1986 Apr; 29(4):687-95

Comparison of the in vitro activities of teicoplanin and vancomycin against Clostridium difficile and their interactions with cholestyramine. Pantosti A, et al. **Antimicrob Agents Chemother** 1985 Dec;28(6):847-8

In vitro evaluation of clindamycin in combination with oxacillin, rifampin, or vancomycin against Staphylococcus aureus. Ho JL, et al. **Diagn Microbiol Infect Dis** 1986 Feb; 4(2):133-8

Bactericidal action of nafcillin, vancomycin, and three cephalosporins against nafcillin-susceptible and nafcillin-resistant coagulase-negative staphylococci. Mordenti JJ, et al. **Diagn Microbiol Infect Dis** 1986 May; 5(1):1-8

Methicillin- and gentamicin-resistant Staphylococcus aureus: susceptibility to fosfomycin, cefamandole, N-formimidoyl-thienamycin, clindamycin, fusidic acid and vancomycin. Graninger W, et al. **Drugs Exp Clin Res** 1985; 11(1):23-7

Novobiocin and rifampicin in combination against methicillin-resistant Staphylococcus aureus: an in-vitro comparison with vancomycin plus rifampicin. Walsh TJ, et al. **J Antimicrob Chemother** 1986 Jan;17(1):75-82

Evaluation of teicoplanin and vancomycin disk susceptibility tests. Barry AL, et al. **J Clin Microbiol** 1986 Jan;23(1):100-3

The effect of teicoplanin on leukocytic activity and intraleukocytic micro-organisms. Fietta A, et al. **J Hosp Infect** 1986 Mar;7 Suppl A:57-63

Activity of teicoplanin compared with vancomycin alone, and combined with gentamicin, against penicillin tolerant viridans streptococci and enterococci causing endocarditis. Shanson DC, et al. **J Hosp Infect** 1986 Mar;7 Suppl A:65-72

Treatment of infections due to methicillin-resistant Staphylococcus aureus. Waldvogel FA. **J Hosp Infect** 1986 Mar;7 Suppl A:37-46

THERAPEUTIC USE

Empiric use of vancomycin during prolonged treatment-induced granulocytopenia. Randomized, double-blind, placebo-controlled clinical trial in patients with acute leukemia. Karp JE, et al. **Am J Med** 1986 Aug; 81(2):237-42

Norfloxacin versus vancomycin/polymyxin for prevention of infections in granulocytopenic patients. Winston DJ, et al. **Am J Med** 1986 May;80(5):884-90

Persistent staphylococcal bacteremia in an intravenous drug abuser. Barg NL, et al. **Antimicrob Agents Chemother** 1986 Feb;29(2):209-11

Comparison of penicillin and vancomycin, individually and in combination with gentamicin and amikacin, in the treatment of experimental endocarditis induced by nutritionally variant streptococci. Bouvet A, et al. **Antimicrob Agents Chemother** 1985 Nov;28(5):607-11

Antimicrobial chemotherapy of septicemia due to

methicillin-resistant Staphylococcus aureus. Cafferkey MT, et al. **Antimicrob Agents Chemother** 1985 Dec;28(6):819-23
Failure of vancomycin prophylaxis and treatment for Actinobacillus actinomycetemcomitans endocarditis. Eng RH, et al. **Antimicrob Agents Chemother** 1986 Apr; 29(4):699-700
Enoxacin compared with vancomycin for the treatment of experimental methicillin-resistant Staphylococcus aureus endocarditis. Gilbert M, et al.
Antimicrob Agents Chemother 1986 Mar;29(3):461-3
Oral bacitracin vs vancomycin therapy for Clostridium difficile-induced diarrhea. A randomized double-blind trial. Dudley MN, et al. **Arch Intern Med** 1986 Jun; 146(6):1101-4
Comparison of fosfomycin and vancomycin therapy for experimental endocarditis due to methicillin-resistant Staphylococcus epidermidis. Rodriguez A, et al.
Eur J Clin Microbiol 1985 Dec;4(6):603-5
Antibiotic-associated colitis due to Clostridium difficile: double-blind comparison of vancomycin with bacitracin. Young GP, et al. **Gastroenterology** 1985 Nov;89(5):1038-45
Double blind controlled trial of oral vancomycin as adjunctive treatment in acute exacerbations of idiopathic colitis. Dickinson RJ, et al. **Gut** 1985 Dec;26(12):1380-4
Listeria monocytogenes endocarditis in a patient on chronic hemodialysis, successfully treated with vancomycin-gentamicin. Gallagher PG, et al. **Infection** 1986 May-Jun;14(3):125-8
Does antibiotic prophylaxis at the time of catheter insertion reduce the incidence of catheter-related sepsis in intravenous nutrition? McKee R, et al. **J Hosp Infect** 1985 Dec;6(4):419-25
Teicoplanin compared with vancomycin for treatment of experimental endocarditis due to methicillin-resistant Staphylococcus epidermidis. Galetto DW, et al.
J Infect Dis 1986 Jul;154(1):69-75
Relapsing pseudomembranous colitis. Holmes R, et al.
J Pediatr Gastroenterol Nutr 1986 Mar-Apr;5(2):314-5
Pseudomembranous colitis & antibiotics. Goodpasture HC, et al. **Kans Med** 1986 May;87(5):133, 146
Vancomycin and tobramycin in the treatment of CAPD peritonitis. Gruer LD, et al. **Nephron** 1985;41(3):279-82
Vancomycin penetration of a brain abscess: case report and review of the literature. Levy RM, et al. **Neurosurgery** 1986 May;18(5):632-6
Prophylactic vancomycin versus placebo in arterial prosthetic reconstructions. Jensen LJ, et al.
Thorac Cardiovasc Surg 1985 Oct;33(5):300-3
A double-blind comparative study of prophylactic antibiotic therapy in open heart surgery: penicillin G versus vancomycin. Joyce FS, et al. **Thorac Cardiovasc Surg** 1986 Apr;34(2):100-3
[The use of vancomycin in pregnant women (letter)] Lassoued K, et al. **Presse Med** 1985 Nov 16;14(39):2018 **(Fre)**
[Antibiotic-resistant Corynebacteria--a new problem of infection in immunosuppressed patients] Osterwalder B, et al. **Schweiz Med Wochenschr** 1986 Jun 28;116(26):880-4 (Eng. Abstr.) **(Ger)**
[Staphylococcal epidemic in a dialysis center. Therapeutic and prophylactic efficacy of a single dosage of vancomycin] Salvadori M, et al. **Minerva Urol Nefrol** 1985 Jul-Sep; 37(3):261-4 (Eng. Abstr.) **(Ita)**
[Prophylactic nonabsorbable antibioticsin the increasing incidence of infection in patients with hematological diseases] Ashida T, et al. **Kansenshogaku Zasshi** 1985 Dec; 59(12):1198-203 (Eng. Abstr.) **(Jpn)**
[Therapeutic efficacy of vancomycin hydrochloride, a nonabsorbable antibiotic, on intractable (lactulose resistant) chronic hepatic encephalopathy in cirrhotic patients] Tarao K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 May; 83(5):1006-14 (Eng. Abstr.) **(Jpn)**
[Clinical significance of anaerobic gram-negative bacteria in hepatic encephalopathy and the therapeutic effects of vancomycin hydrochloride on hepatic encephalopathy] Tarao K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Aug;82(8):1875-83 (Eng. Abstr.) **(Jpn)**
[Therapeutic progress: vancomycin] Cuevas R, et al.
Bol Asoc Med PR 1985 Jul;77(7):269-70 **(Spa)**

TOXICITY

Vancomycin enhancement of experimental tobramycin nephrotoxicity. Wood CA, et al.
Antimicrob Agents Chemother 1986 Jul;30(1):20-4
Influence of fosfomycin and tobramycin on vancomycin-induced nephrotoxicity. Marre R, et al.
Infection 1985 Jul-Aug;13(4):190-2

VANILLIC ACID see under **HYDROXYBENZOIC ACIDS**

VANILMANDELIC ACID

ANALYSIS

Sensitive determination of tyrosine metabolites, p-hydroxyphenylacetic acid, 4-hydroxy-3-methoxyphenyl-acetic acid and 4-hydroxy-3-methoxymandelic acid, by gas chromatography-negative-ion chemical-ionization mass spectrometry. Application to a stable isotope-labelled tracer experiment to investigate their metabolism in man. Shimamura M, et al. **J Chromatogr** 1986 Jan 10;374(1):17-26

DIAGNOSTIC USE

Chromosome abnormalities in neuroblastomas found by VMA mass screening [letter] Hayashi Y, et al.
Cancer Genet Cytogenet 1986 Aug;22(4):363-4

URINE

Homovanillic acid, vanillylmandelic acid and 5-hydroxyindole-3-acetic acid are undetectable in urine of the muskrat. Yoshioka M, et al.
Chem Pharm Bull (Tokyo) 1985 May;33(5):2145-8
Modifications in a method for vanillylmandelic acid in urine [letter] Anderson GM, et al. **Clin Chem** 1986 Apr;32(4):709
Determination of vanillylmandelic acid with ion-pair chromatography and fluorescence detection. Lindgren K, et al. **Clin Chem** 1986 Apr;32(4):693-6
Uniform chromatographic conditions for quantifying urinary catecholamines, metanephrines, vanillylmandelic acid, 5-hydroxyindoleacetic acid, by liquid chromatography, with electrochemical detection. Parker NC, et al.
Clin Chem 1986 Aug;32(8):1473-6
Normal reference intervals for free catecholamines and their acid metabolites in 24-h urines from children, as determined by liquid chromatography with amperometric detection. Prémel-Cabic A, et al. **Clin Chem** 1986 Aug;32(8):1585-7
Excretion of octopamine metabolites in neuroblastoma. Couch MW, et al. **Clin Chim Acta** 1986 Jul 15;158(1):109-14
Liquid chromatographic analysis of 4-hydroxy-3-methoxymandelic acid (VMA) and 4-hydroxy-3-methoxyphenylacetic acid (HVA) in urine. Fenech C, et al. **Clin Chim Acta** 1985 Nov 29;153(1):49-54
An automated determination of urinary 4-hydroxy-3-methoxymandelic acid. Kodama K, et al.
Clin Chim Acta 1985 Dec 31;153(3):191-6
VMA-negative neuroblastoma in children [letter] Nakagawara A, et al. **Eur J Pediatr** 1985 Nov;144(4):421
Effect of furosemide on urinary excretion of 4-hydroxy-3-methoxymandelic acid (VMA). Bursztyn M, et al. **Isr J Med Sci** 1985 Sep;21(9):742-4
Rapid and reliable estimation of urinary free catecholamines in patients with pheochromocytoma: comparison with plasma catecholamines and vanillylmandelic acid excretion. Kremer R, et al. **J Chromatogr** 1985 Nov 8;344:313-8
[Desynchronization of noradrenaline and hemodynamic equilibrium in migraine subjects] D'Attoma G, et al.
Minerva Med 1986 Jul 31;77(30-31):1449-51 (Eng. Abstr.) **(Ita)**
[Excretion of catecholamines and their various metabolites in children aged 10-12 years in relation to their mental development] Orgacka H, et al. **Endokrynol Pol** 1985; 36(5):285-92 (Eng. Abstr.) **(Pol)**

VAPORIZATION see **VOLATILIZATION**

VARIABLE REGION, IG see **IMMUNOGLOBULIN VARIABLE REGION**

VARIANT ANGINA PECTORIS see **ANGINA PECTORIS, VARIANT**

VARIATION (GENETICS)

NOR variability in twins. Weltens R, et al.
Acta Genet Med Gemellol (Roma) 1985;34(3-4):141-51
Genetic variation and plasma creatine kinase activity. Whitfield JB, et al. **Acta Genet Med Gemellol (Roma)** 1986; 35(1-2):23-33
Chronic myeloid leukemia with an unusual simple variant translocation: t(22;22)(q13;q11). Gyger M, et al.
Acta Haematol (Basel) 1985;73(4):193-5
Obtaining of pure transferrins D, M and R from equine serum and determination of transferrin level in relation to phenotype. Didkowski S, et al. **Acta Physiol Pol** 1984 Sep-Dec;35(5-6):529-38
Preliminary data on the genetic differentiation of Onchocerca volvulus in Africa (Nematoda: Filarioidea). Cianchi R, et al. **Acta Trop (Basel)** 1985 Dec;42(4):341-51
The variability of genes of influenza A (H3N2) virus strains isolated in the G.D.R. during the 1970-1978 epidemic seasons. Klimov AI, et al. **Acta Virol (Praha)** 1985 Dec; 29(6):466-74
Natural variability of respiratory-syncytial viruses, their interference and reproduction characteristics. Yurlova TJ, et al. **Acta Virol (Praha)** 1985 Jul;29(4):279-84
Genetics of human alcohol and aldehyde dehydrogenases. Smith M. **Adv Hum Genet** 1986;15:249-90 (79 ref.)
Genetic variants of enzymes of alcohol and aldehyde metabolism. Holmes RS. **Alcoholism (NY)** 1985 Dec; 9(6):535-8
Quantitative genetic variation in the skeleton of the mouse: II. Description of variation within and between inbred strains. Lovell DP, et al. **Am J Anat** 1986 Jul; 176(3):287-303
Genetic differentiation among Iranian Christian communities. Akbari MT, et al. **Am J Hum Genet** 1986 Jan;38(1):84-98
Detecting linkage for genetically heterogeneous diseases and detecting heterogeneity with linkage data. Cavalli-Sforza LL, et al. **Am J Hum Genet** 1986 May;38(5):599-616
PGM1 system. Report on the international workshop, October 10-11, 1983, Munich, West Germany. Dykes DD, et al. **Am J Hum Genet** 1985 Nov;37(6):1225-31
AIMilano apoprotein identification of the complete kindred and evidence of a dominant genetic transmission. Gualandri V, et al. **Am J Hum Genet** 1985 Nov;37(6):1083-97
Genetic analysis of thirty-three platelet polypeptides detected in two-dimensional polyacrylamide gels. Hanash SM, et al. **Am J Hum Genet** 1986 Mar;38(3):352-60
Genetic heterogeneity among kindreds with Alport syndrome. Hasstedt SJ, et al. **Am J Hum Genet** 1986 Jun; 38(6):940-53
Nucleolar organizer region variants as a risk factor for Down syndrome. Jackson-Cook CK, et al. **Am J Hum Genet** 1985 Nov;37(6):1049-61
Human chromosome variation: the discriminatory power of Q-band heteromorphism (variant) analysis in distinguishing between individuals, with specific application to cases of questionable paternity. Olson SB, et al.
Am J Hum Genet 1986 Feb;38(2):235-52
Galactosialidosis: molecular heterogeneity among distinct clinical phenotypes. Palmeri S, et al. **Am J Hum Genet** 1986 Feb;38(2):137-48
Investigation on genetic heterogeneity in Duchenne muscular dystrophy. Rabbi-Bortolini E, et al. **Am J Med Genet** 1986 May;24(1):111-7
Comparative genetic variance and heritability of dental occlusal variables in U.S. and Northwest Indian twins. Corruccini RS, et al. **Am J Phys Anthropol** 1986 Jul; 70(3):293-9
Variation in the developing root cone angle of the permanent mandibular teeth of modern man and certain fossil hominids. Dean MC. **Am J Phys Anthropol** 1985 Oct; 68(2):233-8
Transmissible and nontransmissible components of anthropometric variation in the Alexanderwohl Mennonites: II. Resolution by path analysis. Devor EJ, et al. **Am J Phys Anthropol** 1986 Jan;69(1):83-92
Transmissible and nontransmissible components of anthropometric variation in the Alexanderwohl Mennonites: I. Description and familial correlations. Devor EJ, et al. **Am J Phys Anthropol** 1986 Jan;69(1):71-82
Comparison of distance matrices in studies of population structure and genetic microdifferentiation: quadratic assignment. Dow MM, et al. **Am J Phys Anthropol** 1985 Nov;68(3):367-73
Genetic characterization of Gainj- and Kalam-speaking peoples of Papua New Guinea. Long JC, et al.
Am J Phys Anthropol 1986 May;70(1):75-96
Genetic variation in North Amerindian populations: covariance with climate. O'Rourke DH, et al.
Am J Phys Anthropol 1985 Jul;67(3):241-50
Individual variation in enamel structure of human mandibular first premolars. Stern D, et al. **Am J Phys Anthropol** 1985 Oct;68(2):201-13
Genetic variation in North Amerindian populations: the geography of gene frequencies. Suarez BK, et al.
Am J Phys Anthropol 1985 Jul;67(3):217-32
Genetic variation in North Amerindian populations: association with sociocultural complexity. Suarez BK, et al. **Am J Phys Anthropol** 1985 Jul;67(3):233-9
Clonal variation of cadmium response in human tumor cell lines. Enger MD, et al. **Am J Physiol** 1986 Feb;250(2 Pt 1):C256-63
Genotypic characterization of type-2 variants of canine adenovirus. Hamelin C, et al. **Am J Vet Res** 1986 Mar; 47(3):625-30
A variant in the restriction endonuclease cleavage pattern of mitochondrial DNA in the domestic fowl, Gallus gallus domesticus. Wakana S, et al. **Anim Genet** 1986;17(2):159-68
Testing for the presence of genetic variance in factors of face measurements of Belgian twins. Hauspie RC, et al. **Ann Hum Biol** 1985 Sep-Oct;12(5):429-40
Patterns and correlates of genetic variation in South Amerindians. O'Rourke DH, et al. **Ann Hum Biol** 1986 Jan-Feb;13(1):13-31 (83 ref.)
Use of robust variance components models to analyse triglyceride data in families. Beaty TH, et al.
Ann Hum Genet 1985 Oct;49 (Pt 4):315-28
Human L-xylulose reductase variation: family and population studies. Lane AB, et al. **Ann Hum Genet** 1985 Jul;49 (Pt 3):227-35
The affected sib method. IV. Sib trios. Payami H, et al.
Ann Hum Genet 1985 Oct;49 (Pt 4):303-14
Genetic variants of human erythrocyte glucose-6-phosphate dehydrogenase: new characterization data obtained by multivariate analysis. Vergnes HA, et al.
Ann Hum Genet 1985 Jan;49 (Pt 1):1-9
Analysis of genetic variation in two human thyroxine-binding plasma proteins by immunodetection after isoelectric focusing. Whitehouse DB, et al. **Ann Hum Genet** 1985 Oct; 49 (Pt 4):259-65
Biochemical and chemical properties of tubulin subspecies. Lee JC, et al. **Ann NY Acad Sci** 1986;466:111-28
Tubulin variants exhibit different assembly properties. Rothwell SW, et al. **Ann NY Acad Sci** 1986;466:103-10
Information on the Y chromosome and sex determination from mutants and other variants of sexual development. Cattanach BM. **Arch Anat Microsc Morphol Exp** 1985; 74(1):25-32
Studies on aberrant BCG derived forms. Drăghici D, et al. **Arch Roum Pathol Exp Microbiol** 1985 Jul-Sep; 44(3):211-28
B-chromosome systems in the greater glider (Petauroides volans volans) (Marsupialia:Petauridae). I. B-chromosome distribution. McQuade LR. **Aust J Biol Sci** 1985;

38(2):189–95
Relation between the genetic variability of digging behavior of Drosophila larvae and their susceptibility to a parasitic wasp. Carton Y, et al. **Behav Genet** 1985 Mar;15(2):143–54
Genetic variation in the male courtship sound of Drosophila littoralis. Hoikkala A. **Behav Genet** 1985 Mar;15(2):135–42
A twin study of ethanol metabolism. Martin NG, et al. **Behav Genet** 1985 Mar;15(2):93–109
Electrophoretic variation in low molecular weight lens crystallins from inbred strains of rats. Domer ME, et al. **Biochem Genet** 1985 Oct;23(9–10):787–800
Fourteen genetically variant proteins of mouse brain: discovery of two new variants and chromosomal mapping of four loci. Goldman D, et al. **Biochem Genet** 1986 Apr; 24(3–4):183–94
Genetic variation for superoxide dismutase level in Drosophila melanogaster. Graf JD, et al. **Biochem Genet** 1986 Apr;24(3–4):153–68
DNA restriction-fragment variation in the gene family encoding high molecular weight (HMW) glutenin subunits of wheat. Harberd NP, et al. **Biochem Genet** 1986 Aug; 24(7–8):579–96
Genetic variation in natural and laboratory populations of the marsupial Sminthopsis crassicaudata. Hope RM, et al. **Biochem Genet** 1986 Aug;24(7–8):597–613
Variations in the amount of glucose phosphate isomerase in lymphocytes and erythrocytes from A/J and C57BL/6J mice. Warner CM, et al. **Biochem Genet** 1985 Oct; 23(9–10):815–25
A component of genetic variation among mice in activity of transmembrane methyltransferase I determined by the H-2 region. Markovac J, et al. **Biochem Pharmacol** 1985 Oct 1;34(19):3421–5
Monoclonal antibodies defining blood group A variants with difucosyl type 1 chain (ALeb) and difucosyl type 2 chain (ALey). Clausen H, et al. **Biochemistry** 1985 Oct 22; 24(22):6190–4
Murine erythroleukemia cell variants: isolation of cells that have amplified the dihydrofolate reductase gene and retained the ability to be induced to differentiate. Corin RE, et al. **Biochemistry** 1986 Jul 1;25(13):3768–73
Internal thermodynamics of position 51 mutants and natural variants of tyrosyl-tRNA synthetase. Ho CK, et al. **Biochemistry** 1986 Apr 22;25(8):1891–7
Elevated levels of erythrocyte hypoxanthine phosphoribosyltransferase associated with allelic variation of murine Hprt. Johnson GG, et al. **Biochemistry** 1985 Sep 10;24(19):5083–9
Natural variation of tyrosyl-tRNA synthetase and comparison with engineered mutants. Jones MD, et al. **Biochemistry** 1986 Apr 22;25(8):1887–91
Hb F-Forest Park, a new A gamma variant with two amino acid substitutions, 75(E19)Ile——Thr and 73(E17)Asp——Asn, which can be identified in adults by gene-mapping analysis. Chen SS, et al. **Biochim Biophys Acta** 1985 Dec 20;832(3):242–7
Sequence of the amino terminal half of rat testis-specific histone variant H1t. Cole KD, et al. **Biochim Biophys Acta** 1986 Feb 14;869(3):223–9
Genetic brain polypeptide variants in inbred mice and in mouse strains with high and low sensitivity to alcohol. Goldman D, et al. **Brain Res** 1985 Aug 19;341(1):130–8
Intraindividual variation and effect of learning in lung function examinations. A population study. Groth S, et al. **Bull Eur Physiopathol Respir** 1986 Jan–Feb;22(1):35–42
More on red blood cell genetic variation in Olympic athletes. Couture L, et al. **Can J Appl Sport Sci** 1986 Mar;11(1):16–8
Cytogenetic heterogeneity: its role in tumor evolution. Wolman SR. **Cancer Genet Cytogenet** 1986 Jan 1; 19(1–2):129–40
Conservation and divergence of RAS protein function during evolution. Birchmeier C, et al. **Cold Spring Harbor Symp Quant Biol** 1985;50:721–5
Variations in the serum esterases of chimpanzees. Davidson WS. **Comp Biochem Physiol [B]** 1986;83(3):697–9
Electrophoretic markers of Andalusian horses: comparison of Spanish and Lusitanian lineages. Kaminski M, et al. **Comp Biochem Physiol [B]** 1986;83(3):575–88
Diversity of gene expression in goldfish brain. Kaplan BB, et al. **Comp Biochem Physiol [B]** 1986;83(2):305–8
Constancy and divergence of amylase loci in four species of Tribolium (Coleoptera, Tenebrionidae). Pope GJ, et al. **Comp Biochem Physiol [B]** 1986;83(2):331–3
A statistical analysis of spot variation using the two-dimensional polyacrylamide gel electrophoresis. Kuick R, et al. **Comput Biomed Res** 1986 Feb;19(1):90–102
Gonococcal pilus: genetics and structure. So M, et al. **Curr Top Microbiol Immunol** 1985;118:13–28 (35 ref.)
Organization, rearrangement, and diversification of mouse T-cell receptor genes. Steinmetz M, et al. **Curr Top Microbiol Immunol** 1986;126:45–51
Somatic variation of antigen-recognition specificity in H-2b-TNP-specific cytotoxic T-cell clones. Weltzien HU, et al. **Curr Top Microbiol Immunol** 1986;126:63–7
Behaviour of meiotic univalents during metaphase I: natural variants and computer simulations. Peters GB. **Cytobios** 1985;43(172–173):179–98
Detection of Y-specific repeat sequences in normal and variant human chromosomes using in situ hybridization with biotinylated probes. Lau YF. **Cytogenet Cell Genet** 1985;39(3):184–7
Plasma-protein production by rat hepatoma cells in culture, their variants and revertants. Cassio D, et al. **Differentiation** 1986;30(3):220–8
Mapping of the c-myc, pvt-1 and immunoglobulin kappa genes in relation to the mouse plasmacytoma-associated variant (6;15) translocation breakpoint. Banerjee M, et al. **EMBO J** 1985 Dec 1;4(12):3183–8
Stimulation of HLA-A,B,C by IFN-alpha. The derivation of Molt 4 variants and the differential expression of HLA-A,B,C subsets. Burrone OR, et al. **EMBO J** 1985 Nov;4(11):2855–60
Analysis of mouse major urinary protein genes: variation between the exonic sequences of group 1 genes and a comparison with an active gene out with group 1 both suggest that gene conversion has occurred between MUP genes. Clark AJ, et al. **EMBO J** 1985 Dec 1;4(12):3167–71
Homologous chromosome recombination generating immunoglobulin allotype and isotype switch variants. Kipps TJ, et al. **EMBO J** 1986 Feb;5(2):263–8
Complete sequence of a bovine type I cytokeratin gene: conserved and variable intron positions in genes of polypeptides of the same cytokeratin subfamily. Rieger M, et al. **EMBO J** 1985 Sep;4(9):2261–7
Transforming p21 ras protein: flexibility in the major variable region linking the catalytic and membrane-anchoring domains. Willumsen BM, et al. **EMBO J** 1985 Nov; 4(11):2893–6
Two theories of sex and variation. Bell G. **Experientia** 1985 Oct 15;41(10):1235–45 (112 ref.)
Protease gene structure and env gene variability of the AIDS virus. Yasunaga T, et al. **FEBS Lett** 1986 Apr 21; 199(2):145–50
The maintenance of polygenic variation through a balance between mutation and stabilizing selection. Barton NH. **Genet Res** 1986 Jun;47(3):209–16
Persistence of an alcohol dehydrogenase thermostable variant in a natural population of Drosophila melanogaster. Hernández M, et al. **Genet Res** 1986 Apr;47(2):143–6
Effects of alleles at the agouti locus on minor skeletal variants in C57BL/6 house mice. Leamy L, et al. **Genet Res** 1986 Feb;47(1):35–41
Gene diversity in finite populations. Takahata N. **Genet Res** 1985 Aug;46(1):107–13
Genetics of mandible form in the mouse. Atchley WR, et al. **Genetics** 1985 Nov;111(3):555–77
Temporal and microgeographic variation in allozyme frequencies in a natural population of Drosophila buzzatii. Barker JS, et al. **Genetics** 1986 Mar;112(3):577–611
Genetic variability of flight metabolism in Drosophila melanogaster. III. Effects of Gpdh allozymes and environmental temperature on power output. Barnes PT, et al. **Genetics** 1986 Feb;112(2):267–94
Temporal variation for the expression of catalase in Drosophila melanogaster: correlations between rates of enzyme synthesis and levels of translatable catalase-messenger RNA. Bewley GC, et al. **Genetics** 1986 Aug;113(4):919–38
Variability of evolutionary rates of DNA. Gillespie JH. **Genetics** 1986 Aug;113(4):1077–91
Additive variation maintained under stabilizing selection: a two-locus model of pleiotropy for two quantitative characters. Gimelfarb A. **Genetics** 1986 Mar;112(3):717–25
Introgression between two cutthroat trout subspecies with substantial karyotypic, nuclear and mitochondrial genomic divergence. Gyllensten U, et al. **Genetics** 1985 Dec; 111(4):905–15
Genetic variability of flight metabolism in Drosophila melanogaster. II. Relationship between power output and enzyme activity levels. Laurie-Ahlberg CC, et al. **Genetics** 1985 Dec;111(4):845–68
Genetic variation in the shape of the mouse mandible and its relationship to glucocorticoid-induced cleft palate analyzed by using recombinant inbred lines. Lovell DP, et al. **Genetics** 1986 Jul;113(3):755–64
Interstrain variation in amylase gene copy number and mRNA abundance in three mouse tissues. Meisler MH, et al. **Genetics** 1986 Jul;113(3):713–22
Natural selection vs. random drift: evidence from temporal variation in allele frequencies in nature. Mueller LD, et al. **Genetics** 1985 Nov;111(3):517–54
A glyoxalase-1 variant associated with the t-complex in house mice. Nadeau JH. **Genetics** 1986 May;113(1):91–9
Complex cis-acting regulators and locus structure of Drosophila tissue-specific ADH variants. Rabinow L, et al. **Genetics** 1986 Mar;112(3):523–37
Hb F-Urumqi G gamma I22(B4)Asp——Gly: a new fetal hemoglobin variant found in a Uygur baby. Hu HY, et al. **Hemoglobin** 1986;10(1):15–20
Homozygosity for the delta-chain variant haemoglobin A2' (HbB2) (delta 16 Gly——Arg). Lehmann H, et al. **Hemoglobin** 1985;9(4):363–72
Transferrin variability and founder effect in Iceland reindeer, Rangifer tarandus L. Røed K, et al. **Hereditas** 1985; 103(2):161–4
Genetics of Zoarces populations. XIV. Variation of the lactate dehydrogenase isoenzymes. Simonsen V, et al. **Hereditas** 1985;103(2):177–85
Does enzyme heterozygosity influence developmental rate in rainbow trout? Danzmann RG, et al. **Heredity (Edinburgh)** 1986 Jun;56 (Pt 3):417–25
Mitochondrial DNA variability in natural populations of Hawaiian Drosophila. I. Methods and levels of variability in D. silvestris and D. heteroneura populations. DeSalle R, et al. **Heredity (Edinburgh)** 1986 Feb;56 (Pt 1):75–85
The ecological genetics of introduced populations of the giant toad, Bufo marinus. IV. Gene flow estimated from admixture in Australian populations. Easteal S. **Heredity (Edinburgh)** 1986 Apr;56 (Pt 2):145–56
Electrophoretically detectable protein variation in natural populations of the lone star tick, Amblyomma americanum (Acari: Ixodidae). Hilburn LR, et al. **Heredity (Edinburgh)** 1986 Aug;57 (Pt 1):67–74
Are tick populations really less variable and should they be? Hilburn LR, et al. **Heredity (Edinburgh)** 1986 Aug;57 (Pt 1):113–7
Isoenzyme variation in the common shrew (Sorex araneus) in Britain, in relation to karyotype. Searle JB. **Heredity (Edinburgh)** 1985 Oct;55 (Pt 2):175–80
Cytophotometric evidence of variation in genome size of desmognathine salamanders. Hally MK, et al. **Histochemistry** 1986;85(3):185–92
Heterogeneity of the alpha-globin gene defects in German alpha-thalassemia affected families. Griese EU, et al. **Hum Genet** 1985;71(2):134–7
Biological and environmental sources of variation in plasma lipids and lipoproteins: the Jerusalem Lipid Research Clinic. Friedlander Y, et al. **Hum Hered** 1986;36(3):143–53
Relationship between African admixture and blood pressure variation in the Caribbean. Hutchinson J. **Hum Hered** 1986; 36(1):12–8
Multivariate structure of human populations: sedentary versus migrants. Livshits G, et al. **Hum Hered** 1986; 36(3):158–76
Genetic markers among Meiteis and Brahmins of Manipur, India. Singh KS, et al. **Hum Hered** 1986;36(3):177–87
On the variability of Gc subtypes in Italy. Walter H, et al. **Hum Hered** 1986;36(1):50–3
Clonal analysis of HLA-DPw1 (SB1) associated allodeterminants: recognition of novel epitopes and evidence for quantitative variation in class II antigen expression. Eckels DD, et al. **Hum Immunol** 1986 Feb; 15(2):234–50
Strain variation in Hymenolepis diminuta: enzyme profiles. Kohlhagen S, et al. **Int J Parasitol** 1985 Oct;15(5):479–83
Autosomal-dominant dystrophy with humeroperoneal weakness and cardiopathy: a genetic variant of Emery-Dreifuss disease? Galassi G, et al. **Ital J Neurol Sci** 1986 Feb;7(1):125–32
Atypical pseudocholinesterase. A case report. Martin WJ, et al. **J Am Podiatr Med Assoc** 1985 Sep;75(9):488–9
Analysis of selection experiments using mixed model methodology. Sorensen DA, et al. **J Anim Sci** 1986 Jul; 63(1):245–58
Alkalophilic Bacillus firmus RAB generates variants which can grow at lower Na+ concentrations than the parental strain. Krulwich TA, et al. **J Bacteriol** 1986 Mar; 165(3):884–9
Genetic diversity and relationships in populations of Bordetella spp. Musser JM, et al. **J Bacteriol** 1986 Apr; 166(1):230–7
Apolipoprotein AIMilano. Accelerated binding and dissociation from lipids of a human apolipoprotein variant. Franceschini G, et al. **J Biol Chem** 1985 Dec 25; 260(30):16321–5
Influence of glycosylation on allelic and cell-specific Mr variation, receptor processing, and ligand binding of the human complement C3b/C4b receptor. Lublin DM, et al. **J Biol Chem** 1986 May 5;261(13):5736–44
Some gene variants for 5 S RNA are dispersed in the rat genome. Reddy R, et al. **J Biol Chem** 1986 Aug 15; 261(23):10618–23
Variant surface glycoprotein gene expression site switches in Trypanosoma brucei. Shea C, et al. **J Biol Chem** 1986 May 5;261(13):6056–63
Clinical variability of osteogenesis imperfecta reflecting molecular heterogeneity: cysteine substitutions in the alpha 1(I) collagen chain producing lethal and mild forms. Steinmann B, et al. **J Biol Chem** 1986 Jul 5;261(19):8958–64
Differences in expression of a variant actin between low and high metastatic B16 melanoma. Taniguchi S, et al. **J Biol Chem** 1986 May 5;261(13):6100–6
Characteristics of a BHK cell variant defective in the cell-substratum contact process. Shiba Y, et al. **J Cell Physiol** 1985 Dec;125(3):449–55
A variant primary structure of apolipoprotein C-II in individuals of African descent. Menzel HJ, et al. **J Clin Invest** 1986 Feb;77(2):595–601
Bordetella bronchiseptica phase variation induced by crystal violet. Ishikawa H, et al. **J Clin Microbiol** 1986 Feb; 23(2):235–9
A quantitative morphological study of interstrain variation in the developing rat optic nerve. Hunter A, et al. **J Comp Neurol** 1986 Mar 8;245(2):160–6
Genetic variation in spontaneous and diphenylhydantoin-induced craniofacial malformations in mice. Brown KS, et al. **J Craniofac Genet Dev Biol [Suppl]** 1985;1:305–12
Fractionation of bovine caseins by reverse phase high performance liquid chromatography: identification of a genetic variant. Carles C. **J Dairy Res** 1986 Feb;53(1):35–41
Analysis by fast protein liquid chromatography of variants of kappa-casein and their relevance to micellar structure and renneting. Dalgleish DG. **J Dairy Res** 1986 Feb; 53(1):43–51
Genetic variance in dental dimensions of Punjabi twins.

Sharma K, et al. **J Dent Res** 1985 Dec;64(12):1389–91

Host resistance directed selectively against H-2-deficient lymphoma variants. Analysis of the mechanism. Ljunggren HG, et al. **J Exp Med** 1985 Dec 1;162(6):1745–59

Baculovirus (MNPV) genomic variants: characterization of Spodoptera exempta MNPV DNAs and comparison with other Autographa californica MNPV DNAs. Brown SE, et al. **J Gen Virol** 1985 Nov;66 (Pt 11):2431–41

Antigenic variation between human respiratory syncytial virus isolates. Gimenez HB, et al. **J Gen Virol** 1986 May; 67 (Pt 5):863–70

Antigenic variation of envelope and internal proteins of mumps virus strains detected with monoclonal antibodies. Rydbeck R, et al. **J Gen Virol** 1986 Feb;67 (Pt 2):281–7

Associations between heterozygosity and morphological variance. Zink RM, et al. **J Hered** 1985 Nov–Dec; 76(6):415–20

Genetic variation in low density lipoprotein. Beginning of a new era? Berg K. **J Immunogenet** 1985 Dec;12(6):263–5

YAC-1 MHC class I variants reveal an association between decreased NK sensitivity and increased H-2 expression after interferon treatment or in vivo passage. Piontek GE, et al. **J Immunol** 1985 Dec;135(6):4281–8

Delineation of functional sites in HLA-B27 antigens. Molecular analysis of HLA-B27 variant Wewak I defined by cytolytic T lymphocytes. Vega MA, et al. **J Immunol** 1985 Nov;135(5):3323–32

Enzyme activities and phospholipid storage patterns in brain and spleen samples from Niemann–Pick disease variants: a comparison of neuropathic and non-neuropathic forms. Besley GT, et al. **J Inherited Metab Dis** 1986;9(1):59–71

Failure to detect variant (CRM+) plasma thromboplastin antecedent (factor XI) molecules in hereditary plasma thromboplastin antecedent deficiency: a study of 125 patients of several ethnic backgrounds. Saito H, et al. **J Lab Clin Med** 1985 Dec;106(6):718–22

Identification of homozygosity for a human apolipoprotein A-I variant. Rall SC Jr, et al. **J Lipid Res** 1986 Apr; 27(4):436–41

Examples of the effect of genetic variation on competing species. Selgrade JF, et al. **J Math Biol** 1986;24(2):193–206

Organization of the actin multigene family of Dictyostelium discoideum and analysis of variability in the protein coding regions. Romans P, et al. **J Mol Biol** 1985 Nov 20; 186(2):321–35

Sequence divergence of an archaebacterial gene cloned from a mesophilic and a thermophilic methanogen. Hamilton PT, et al. **J Mol Evol** 1985;22(4):351–60

Evolution of Alu family repeats since the divergence of human and chimpanzee. Sawada I, et al. **J Mol Evol** 1985; 22(4):316–22

Comparative study of myosins present in the lateral muscle of some fish: species variations in myosin isoforms and their distribution in red, pink and white muscle. Rowlerson A, et al. **J Muscle Res Cell Motil** 1985 Oct;6(5):601–40

Dopamine metabolism in hypoxanthine–guanine phosphoribosyltransferase-deficient variants of PC12 cells. Bitler CM, et al. **J Neurochem** 1986 Jul;47(1):107–12

The creatine kinase reference interval. An assessment of intra- and inter-individual variation. Nicholson GA, et al. **J Neurol Sci** 1985 Dec;71(2–3):225–31

Variable distributions of serum creatine kinase reference values. Relationship to exercise activity. Nicholson GA, et al. **J Neurol Sci** 1985 Dec;71(2–3):233–45

Further studies of genetic variation in Schistosoma mansoni. LoVerde PT, et al. **J Parasitol** 1985 Dec;71(6):732–4

Unusual variant of familial aniridia. Hamming NA, et al. **J Pediatr Ophthalmol Strabismus** 1986 Jul–Aug; 23(4):195–200

Non-identicality of monozygous twins. Kothari ML, et al. **J Postgrad Med** 1985 Jan;31(1):1–4

Some comments on the variance of heterozygosity in finite populations. del Castillo F, et al. **J Theor Biol** 1986 Mar 7;119(1):103–6

Electrophoretic variants of blood proteins in Japanese. VI. Transferrin. Fujita M, et al. **Jinrui Idengaku Zasshi** 1985 Sep;30(3):191–200

Isoelectric focusing of vitamin D binding protein (Gc): genetic diversity in the populations of Iran. Papiha SS, et al. **Jinrui Idengaku Zasshi** 1985 Jun;30(2):69–73

Electrophoretic variants of blood proteins in Japanese. VII. Cytoplasmic glutamate-oxaloacetate transaminase (GOT1). Satoh C, et al. **Jinrui Idengaku Zasshi** 1986 Mar;31(1):1–14

Conservation and variation in the large scale organisation of the globin gene domains of duck and chicken. Kretsovali A, et al. **MGG** 1986 May;203(2):193–201

Distribution of histone variants in the sea urchin chromatin fractions obtained by selective micrococcal nuclease digestion. Jasinskiene NE, et al. **Mol Biol Rep** 1985 Oct; 10(4):199–203

Burkitt lymphoma cell line carrying a variant translocation creates new DNA at the breakpoint and violates the hierarchy of immunoglobulin gene rearrangement. Denny CT, et al. **Mol Cell Biol** 1985 Nov;5(11):3199–207

Cryptic simplicity in DNA is a major source of genetic variation. Tautz D, et al. **Nature** 1986 Aug 14–20; 322(6080):652–6

Ha-ras hypervariable alleles in myelodysplasia. Thein SL, et al. **Nature** 1986 May 1–7;321(6065):84–5

Diversity in G + C content at the third position of codons in vertebrate genes and its cause. Aota S, et al. **Nucleic Acids Res** 1986 Aug 26;14(16):6345–55

cDNA and complete amino acid sequence of mouse P2(450): allelic variant of mouse P3(450) gene. Kimura S, et al. **Nucleic Acids Res** 1986 Aug 26;14(16):6765–6

Variation in the gene encoding a major merozoite surface antigen of the human malaria parasite Plasmodium falciparum. Weber JL, et al. **Nucleic Acids Res** 1986 Apr 25;14(8):3311–23

The inheritance of enzyme variants of glutamic–oxaloacetic transaminase in Paragonimus ohirai. Agatsuma T, et al. **Parasitology** 1985 Dec;91 (Pt 3):483–8

Electrophoretic studies on enzymes of diploid and triploid Paragonimus westermani. Agatsuma T, et al. **Parasitology** 1985 Dec;91 (Pt 3):489–97

Immunity to an attenuated variant of Plasmodium berghei: role of some non-specific factors. Waki S, et al. **Parasitology** 1985 Oct;91 (Pt 2):263–72

Biosynthesis of variant medium chain acyl-CoA dehydrogenase in cultured fibroblasts from patients with medium chain acyl-CoA dehydrogenase deficiency. Ikeda Y, et al. **Pediatr Res** 1986 Sep;20(9):843–7

The biological significance of variation in satellite DNA and heterochromatin in newts of the genus Triturus: an evolutionary perspective. Macgregor HC, et al. **Philos Trans R Soc Lond [Biol]** 1986 Jan 29; 312(1154):243–59

Genetic variation of liver lipid content of coturnix quail. Maeda Y, et al. **Poult Sci** 1986 Feb;65(2):205–8

Genetic variation of neonatal stress response to reduced temperature brooding in a randombred population of chickens. Scott TR, et al. **Poult Sci** 1986 May;65(5):829–36

Production of immunoreactive chorionic gonadotropin during mixed lymphocyte reactions: a possible selective mechanism for genetic diversity. Harbour-McMenamin D, et al. **Proc Natl Acad Sci USA** 1986 Sep;83(18):6834–8

Molecular heterogeneity of variant isovaleryl-CoA dehydrogenase from cultured isovaleric acidemia fibroblasts. Ikeda Y, et al. **Proc Natl Acad Sci USA** 1985 Oct;82(20):7081–5

Selection of unique antigenic variants of Newcastle disease virus with neutralizing monoclonal antibodies and anti-immunoglobulin. Iorio RM, et al. **Proc Natl Acad Sci USA** 1985 Oct;82(20):7106–10

Gene conversion in trypanosome antigenic variation. Pays E. **Prog Nucleic Acid Res Mol Biol** 1985;32:1–26 (125 ref.)

Classification of albumin and proalbumin genetic variants. CISMEL Study Group on Albumin Variants. AIPAC Congress, Bologna, 9–13 May 1984. **Rev Fr Transfus Immunohematol** 1985 Sep;28(4):353–5

A human Y-linked DNA polymorphism and its potential for estimating genetic and evolutionary distance. Casanova M, et al. **Science** 1985 Dec 20;230(4732):1403–6

Genetic variation in HTLV-III/LAV over time in patients with AIDS or at risk for AIDS. Hahn BH, et al. **Science** 1986 Jun 20;232(4757):1548–53

Variant of A431 cells isolated by ricin A-conjugated monoclonal antibody directed to EGF receptor: phosphorylation of EGF receptor and phosphatidylinositol. Behzadian MA, et al. **Somatic Cell Mol Genet** 1985 Nov; 11(6):579–91

Human cell variants resistant to rhodamine 6G. Wiseman A, et al. **Somatic Cell Mol Genet** 1985 Nov;11(6):541–56

Mutagen-induced antigenic variants of tumor cells. Boon T, et al. **Symp Fundam Cancer Res** 1986;38:139–48

Antithrombin III "Northwick Park": a variant antithrombin with normal affinity for heparin but reduced heparin cofactor activity. Howarth DJ, et al. **Thromb Haemost** 1985 Jun 24;53(3):314–9

Levels of isozyme variation within and among Histoplasma capsulatum localities. Hamrick JL, et al. **Trans Kans Acad Sci** 1986 Apr;89(1–2):49–56

Variations in Echinococcus granulosus of bovine origin identified by enzyme electrophoresis. Harrison LJ, et al. **Trop Anim Health Prod** 1986 Feb;18(1):48–50

Variation in foot-and-mouth disease virus isolates in Kenya: an examination of field isolates by T1 oligonucleotide fingerprinting. Anderson EC, et al. **Vet Microbiol** 1985 Aug;10(5):409–23

The prevalence of different porcine phenotypes in the Netherlands concerning adherence of K88-positive Escherichia coli to intestinal epithelium. Bijlsma IG, et al. **Vet Q** 1985 Jul;7(3):246–8

Noncumulative sequence changes in the hemagglutinin genes of influenza C virus isolates. Buonagurio DA, et al. **Virology** 1985 Oct 30;146(2):221–32

Antigenic variation in the hemagglutinin–neuraminidase protein of human parainfluenza type 3 virus. van Wyke Coelingh KL, et al. **Virology** 1985 Jun;143(2):569–82

Genetic variation among human strains of influenza C virus isolated in Japan. Kawamura H, et al. **Virus Res** 1986 May; 4(3):275–88

Variation among hepatitis A virus strains. I. Genomic variation detected by T1 oligonucleotide mapping. Weitz M, et al. **Virus Res** 1985 Dec;4(1):53–67

Rhesus Du incompatibility in a newborn with high levels of anti D and a benign clinical course. Dias R, et al. **Vox Sang** 1986;50(1):52–3

C4 phenotypic variation suggests an unusual class III gene organization. Schendel DJ, et al. **Vox Sang** 1985;48(2):110–5

The genetic defect of mephenytoin hydroxylation. Kalow W. **Xenobiotica** 1986 May;16(5):379–89

Pharmacogenetics of dextromethorphan O-demethylation in man. Küpfer A, et al. **Xenobiotica** 1986 May;16(5):421–33

[Antigenic variants detected after cyclic transmission of a clone of Trypanosoma brucei brucei in trypanosensitive and resistant cattle] Duvallet G. **Rev Elev Med Vet Pays Trop** 1984;37 Spec No:277–87 (Eng. Abstr.) (Fre)

[Differentiation of variants of Prototheca zopfii Krüger 1894] Blaschke-Hellmessen R, et al. **Arch Exp Veterinarmed** 1985 May;39(3):387–97 (Eng. Abstr.) (Ger)

[Molecular genetic basis for immune diversity] Honjo T. **Nippon Hifuka Gakkai Zasshi** 1985 Oct;95(12 Suppl):1246–7 (Jpn)

[LDH-H, M subunit variant] Saga M. **Rinsho Byori** 1986 Apr;34(4):396–8 (Jpn)

[Determination of atypical pseudocholinesterase] Schopp-Pintea K, et al. **Rev Chir [Chir]** 1985 Jul–Aug; 34(4):315–8 (Eng. Abstr.) (Rum)

[Identification with roseofungin of an antibiotic produced by Streptomyces roseoflavus strain A-23/791 and its undifferentiated variant] Daurenbekova AS, et al. **Antibiot Med Biotekhnol** 1985 Jul;30(7):525–9 (Eng. Abstr.) (Rus)

[Hereditary factors and their causative role in anatomic variation] Usoev SS, et al. **Arkh Anat Gistol Embriol** 1986 Jan;90(1):16–22 (Eng. Abstr.) (Rus)

[Role of temperate phage in bacterial dissociation] Mil'ko ES, et al. **Biol Nauki** 1986;(4):6–19 (79 ref.) (Eng. Abstr.) (Rus)

[Reciprocal variability of Q-heterochromatin level in the human genome] Nazarenko SA. **Biull Eksp Biol Med** 1986 Jun;101(6):736–8 (Eng. Abstr.) (Rus)

[Frequency of rare electrophoretic protein variants in normal human beings and in congenital pathology] Altukhov IuP, et al. **Genetika** 1985 Dec;21(12):2031–43 (Eng. Abstr.) (Rus)

[Heritability of neurodynamics and psychodynamics in human populations] Bulaeva KB, et al. **Genetika** 1986 Jun; 22(6):1047–55 (Eng. Abstr.) (Rus)

[Medico-genetic study of the population of Uzbekistan. VII. Variability of hereditary pathology in 4 regions of Khorezm province] Ginter EK, et al. **Genetika** 1986 Feb; 22(2):312–21 (Eng. Abstr.) (Rus)

[Genetic analysis of the structure of predisposition to diabetes mellitus. III. Genetic heterogeneity of diabetes mellitus with different ages of onset] Sergeev AS, et al. **Genetika** 1986 Feb;22(2):328–35 (Eng. Abstr.) (Rus)

[Individual variability and inheritance of the number and size of the nucleolar organizer regions in chromosomes of domestic swine] Vishnevskaia SS, et al. **Genetika** 1986 Apr; 22(4):690–8 (Eng. Abstr.) (Rus)

[Nature, possible causes and significance of the variability of the causative agents of diseases that multiply in vectors] Alekseev AN. **Med Parazitol (Mosk)** 1986 Mar–Apr; (2):11–9 (47 ref.) (Eng. Abstr.) (Rus)

[Biological characteristics of the variants of Bacillus thuringiensis subsp. galleriae formed during continuous culture] Blokhina TP, et al. **Mikrobiologiia** 1985 Jul–Aug; 54(4):683–4 (Eng. Abstr.) (Rus)

[Variability of the quantitative and qualitative traits of Aedes dorsalis mosquitoes from larval cultures of varying densities] Nekrasova LS. **Parazitologiia** 1986 Jan–Feb; 20(1):23–31 (Eng. Abstr.) (Rus)

[Karyotype of continuous cell lines. I. The karyotype variability of M-HeLa cells cultured by static and roll-tube methods] Litvinchuk LF, et al. **Tsitologiia** 1986 Jan; 28(1):56–62 (Eng. Abstr.) (Rus)

[Karyotype characteristics of continuous cell lines. II. The variability and balance of the chromosome set of M-HeLa cells] Mamaeva SE, et al. **Tsitologiia** 1986 Feb; 28(2):193–203 (Eng. Abstr.) (Rus)

[Mechanisms and manifestations of population variability in Streptococcus pyogenes] Kaminskii GD, et al. **Vestn Akad Med Nauk SSSR** 1986;(7):10–7 (37 ref.) (Eng. Abstr.) (Rus)

[Myocardial anti-immunoglobulins and antibodies in sera against the ribosomes and surface antigenic determinants of microbial variants of Streptococcus group A] Shikhman AR, et al. **Vestn Akad Med Nauk SSSR** 1986;(7):35–9 (Eng. Abstr.) (Rus)

[Immunochemical characteristics of the antigens of a variant tick-borne encephalitis virus adapted to Hyalomma plumbeum ticks] Dzhivanian TI, et al. **Vopr Virusol** 1986 Jan–Feb;31(1):92–6 (Eng. Abstr.) (Rus)

[Influenza vaccine stimulation of antibodies to different variants of influenza A virus] Nalkhin AN, et al. **Vopr Virusol** 1985 May–Jun;30(3):290–6 (Eng. Abstr.) (Rus)

[Antigenic markers of the hemagglutinins of the influenza A and B viruses in the process of variability and the rapid diagnosis of influenza] Rovnova ZI, et al. **Vopr Virusol** 1986 Mar–Apr;31(2):229–34 (Rus)

[Experimental evaluation of the pathogenicity of Lassa virus variants] Vladyko AS, et al. **Vopr Virusol** 1985 Jul–Aug; 30(4):454–7 (Eng. Abstr.) (Rus)

[Heterogeneity and variability of Vibrio cholerae eltor populations and their role in the development of epidemic processes] Beliakov VD, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Feb;(2):91–7 (56 ref.) (Rus)

[Variability of the pathogenicity traits of populations of staphylococci in a surgical hospital] Chernevskaia OM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Jul;(7):29–32 (Eng. Abstr.) (Rus)

[Variability of microorganisms during the phasic transformation of their populations] Kaminskiĭ GD. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Jul;(7):111–22 (80 ref.) (Rus)

DRUG EFFECTS

[Role of lipids in the sensitivity and variability of Candida tropicalis D–2 cells to the action of N–methyl–N'–nitro–N–nitrosoguanidine in different solvents] Danilenko II, et al. **Izv Akad Nauk SSSR [Biol]** 1986 Jan–Feb;(1):134–8 (Eng. Abstr.) (Rus)

[Physicochemical properties of temperate phage DNA and its possible effect on the variability of Mycobacterium lacticolum] Obukhova NA, et al. **Mikrobiologiia** 1985 Jul–Aug;54(4):641–6 (Eng. Abstr.) (Rus)

RADIATION EFFECTS

[Natural and UV–induced variability of the producer of telavimycin Streptomyces levoris, Krass, strain 243] Kandelaki ND, et al. **Antibiot Med Biotekhnol** 1985 Jul; 30(7):529–32 (Eng. Abstr.) (Rus)

VARICELLA see **CHICKENPOX**

VARICELLA–ZOSTER VIRUS

ANALYSIS

Varicella–zoster viral glycoprotein envelopment: ultrastructural cytochemical localization. Montalvo EA, et al. **J Histochem Cytochem** 1986 Feb;34(2):281–4

Varicella–zoster virus p32/p36 complex is present in both the viral capsid and the nuclear matrix of the infected cell. Friedrichs WE, et al. **J Virol** 1986 Jan;57(1):155–64

Varicella–zoster virus (VZV)–specific polypeptides detected in cells treated with metabolic inhibitors. Lopetegui P, et al. **Microbiol Immunol** 1985;29(6):569–75

CLASSIFICATION

Differentiation of strains of varicella–zoster virus by changes in neutral lipid metabolism in infected cells. Jerkofsky M, et al. **J Virol** 1986 Mar;57(3):809–15

DRUG EFFECTS

Use of an enzyme–linked immunosorbent assay performed directly on fixed infected cell monolayers for evaluating drugs against varicella–zoster virus. Berkowitz FE, et al. **Antimicrob Agents Chemother** 1985 Aug;28(2):207–10

Comparison of susceptibilities of varicella–zoster virus and herpes simplex viruses to nucleoside analogs. Machida H. **Antimicrob Agents Chemother** 1986 Mar;29(3):524–6

Therapy of varicella–zoster virus infection—mechanism of action of (E)–5–(2–bromovinyl)–2'–deoxyuridine. Shigeta S, et al. **Antiviral Res** 1985;Suppl 1:35–44

Varicella–Zoster virus does not become more resistant to acyclovir during therapy. Cole NL, et al. **J Infect Dis** 1986 Mar;153(3):605–8

Inhibitory effects of selected antiviral compounds on newly isolated clinical varicella–zoster virus strains. Baba M, et al. **Tohoku J Exp Med** 1986 Mar;148(3):275–83

ENZYMOLOGY

Acyclic guanosine analogs as substrates for varicella–zoster virus thymidine kinase. Karlström AR, et al. **Antimicrob Agents Chemother** 1986 Jan;29(1):171–4

Characterization of a varicella–zoster virus variant with altered thymidine kinase activity. Shigeta S, et al. **Antimicrob Agents Chemother** 1986 Jun;29(6):1053–8

GENETICS

Evolutionary comparisons of the S segments in the genomes of herpes simplex virus type 1 and varicella–zoster virus. Davison AJ, et al. **J Gen Virol** 1986 Apr;67 (Pt 4):597–611

The complete DNA sequence of varicella–zoster virus. Davison AJ, et al. **J Gen Virol** 1986 Sep;67 (Pt 9):1759–816

Identification of the products of a varicella–zoster virus glycoprotein gene. Davison AJ, et al. **J Gen Virol** 1985 Oct;66 (Pt 10):2237–42

Analysis of varicella–zoster virus DNAs of clinical isolates by endonuclease HpaI. Hayakawa Y, et al. **J Gen Virol** 1986 Sep;67 (Pt 9):1817–29

Identification of a varicella–zoster virus origin of DNA replication and its activation by herpes simplex virus type 1 gene products. Stow ND, et al. **J Gen Virol** 1986 Aug; 67 (Pt 8):1613–23

New common nomenclature for glycoprotein genes of varicella–zoster virus and their glycosylated products. Davison AJ, et al. **J Virol** 1986 Mar;57(3):1195–7

Putative glycoprotein gene of varicella–zoster virus with variable copy numbers of a 42–base–pair repeat sequence has homology to herpes simplex virus glycoprotein C. Kinchington PR, et al. **J Virol** 1986 Sep;59(3):660–8

Transcription mapping of the varicella–zoster virus genome. Ostrove JM, et al. **J Virol** 1985 Nov;56(2):600–6

DNA sequence of the herpes simplex virus type 1 gene encoding glycoprotein gH, and identification of homologues in the genomes of varicella–zoster virus and Epstein–Barr virus. McGeoch DJ, et al. **Nucleic Acids Res** 1986 May 27;14(10):4281–92

Identification and structure of the gene encoding gpII, a major glycoprotein of varicella–zoster virus. Keller PM, et al. **Virology** 1986 Jul 15;152(1):181–91

Processing of virus–specific glycoproteins of varicella zoster virus. Namazue J, et al. **Virology** 1985 May;143(1):252–9

Mapping of the varicella zoster virus deoxypyrimidine kinase gene and preliminary identification of its transcript. Sawyer MH, et al. **Virology** 1986 Feb;149(1):1–9

Varicella–zoster virus infection of human sensory neurons. Wigdahl B, et al. **Virology** 1986 Jul 30;152(2):384–99

Polypeptides encoded by varicella–zoster virus unique short sequences. Vafai A, et al. **Virus Res** 1986 Jul;5(1):67–76

GROWTH & DEVELOPMENT

Inoculation of guinea pigs with varicella–zoster virus via the respiratory route. Walz–Cicconi MA, et al. **Arch Virol** 1986; 88(3–4):265–77

Replication of varicella zoster virus in Raji cells. Cauda R, et al. **Virus Res** 1986 Jun;4(4):337–42

IMMUNOLOGY

Thrombocytopenic purpura following varicella–zoster vaccination. Lee SY, et al. **Am J Pediatr Hematol Oncol** 1986 Spring;8(1):78–80

Booster vaccination of healthy adults with VZV antibody but without a VZV–specific cell–mediated immune response. Berger R, et al. **Antiviral Res** 1985;Suppl 1:267–71

Rapid detection of herpes simplex– and varicella–zoster virus antigens from clinical specimens by enzyme immunoassay. Ziegler T, et al. **Antiviral Res** 1985;Suppl 1:107–10

Psychologic modulation of the human immune response to varicella zoster. Smith GR Jr, et al. **Arch Intern Med** 1985 Nov;145(11):2110–2

Effect of HLA on the cellular immune response to varicella–zoster virus. Chiba Y, et al. **Biken J** 1985 Jun; 28(1–2):1–7

Varicella–zoster–specific immune responses in acute herpes zoster during a placebo–controlled trial of oral acyclovir therapy. Mitchell CD, et al. **Diagn Microbiol Infect Dis** 1986 Jul;5(2):113–26

Human immune responses to herpes simplex virus, varicella–zoster and cytomegalovirus in vitro. Williamson SA, et al. **Immunology** 1986 Mar;57(3):437–42

Interaction between polymorphonuclear leukocytes and varicella–zoster virus–infected cells. Szanton E, et al. **Intervirology** 1985;24(2):119–24

Sensitivity of different assay systems for immunoglobulin M responses to varicella–zoster virus in reactivated infections (zoster). Schmidt NJ, et al. **J Clin Microbiol** 1986 May; 23(5):978–9

Rapid assay for antibodies to Varicella–Zoster virus (VZV) using a VZV–HEM preparation. Trlifajová J, et al. **J Hyg Epidemiol Microbiol Immunol** 1986;30(2):171–6

Immunity to varicella–zoster viral glycoproteins, gp I (gp 90/58) and gp III (gp 118), and to a nonglycosylated protein, p 170. Arvin AM, et al. **J Immunol** 1986 Aug 15; 137(4):1346–51

Demonstration of NK cell–mediated lysis of varicella–zoster virus (VZV)–infected cells: characterization of the effector cells. Tilden AB, et al. **J Immunol** 1986 Jun 1; 136(11):4243–8

Immunological cross–reactivities among three herpesviruses. Ndumbe PM, et al. **J Immunol Methods** 1985 Nov 7; 83(2):337–42

Viral replication and immunologic responses in children naturally infected with varicella–zoster virus and in varicella vaccine recipients. Asano Y, et al. **J Infect Dis** 1985 Nov;152(5):863–8

Immunologic and clinical responses to varicella–zoster virus–specific transfer factor following marrow transplantation. Bowden RA, et al. **J Infect Dis** 1985 Dec; 152(6):1324–7

Live attenuated varicella vaccine. Gershon AA. **J Infect Dis** 1985 Nov;152(5):859–62

Determination of immunity to varicella–zoster virus by means of an intradermal skin test. LaRussa P, et al. **J Infect Dis** 1985 Nov;152(5):869–75

Age–specific prevalence of antibodies to pyrimidine kinase enzymes of herpes simplex virus types 1 and 2, and of varicella zoster virus. Bardy B, et al. **J Med Virol** 1986 Jan;18(1):61–7

Specific lysis of varicella zoster virus–infected B lymphoblasts by human T cells. Hayward AR, et al. **J Virol** 1986 Apr;58(1):179–84

Varicella zoster immunoglobulin to prevent neonatal chickenpox [letter] Bose B, et al. **Lancet** 1986 Feb 22; 1(8478):449–50

Varicella zoster in the newborn [letter] Trompeter RS, et al. **Lancet** 1986 Mar 29;1(8483):744

Formation of varicella–zoster virus antigens in infected Vero cells. Takayama M, et al. **Microbiol Immunol** 1985; 29(7):635–43

Active immunization against varicella. Proceedings of a symposium. Munich, November 29 and 30, 1984. **Postgrad Med J** 1985;61 Suppl 4:1–171

Worldwide experience with the Oka–strain live varicella vaccine. Andre FE. **Postgrad Med J** 1985;61 Suppl 4:113–20 (23 ref.)

Immunization of children with malignant diseases with the Oka–strain varicella vaccine. Austgulen R. **Postgrad Med J** 1985;61 Suppl 4:93–5

Restoration of varicella–zoster virus cell–mediated immune response after varicella booster vaccination. Berger R, et al. **Postgrad Med J** 1985;61 Suppl 4:143–5

Delayed hypersensitivity skin test to detect susceptibility to varicella and zoster. Berger R, et al. **Postgrad Med J** 1985; 61 Suppl 4:137–41

Varicella vaccine in children with chronic renal insufficiency. Broyer M, et al. **Postgrad Med J** 1985;61 Suppl 4:103–6

Production and quality control of the Oka–strain live varicella vaccine. D'Hondt E, et al. **Postgrad Med J** 1985; 61 Suppl 4:53–6

Stimulation of specific immune response to varicella antigens in the elderly with varicella vaccine. Duchateau J, et al. **Postgrad Med J** 1985;61 Suppl 4:147–50

A multicentre trial of live attenuated varicella vaccine in children with leukaemia in remission. Gershon AA, et al. **Postgrad Med J** 1985;61 Suppl 4:73–8

Active immunization against varicella of children with acute leukaemia or other malignancies on maintenance chemotherapy. Haas RJ, et al. **Postgrad Med J** 1985;61 Suppl 4:69–72

Experience with the live Oka–strain varicella vaccine in children with solid tumours. Heath RB, et al. **Postgrad Med J** 1985;61 Suppl 4:107–11

Early results of a trial of the Oka–strain varicella vaccine in children with leukaemia or other malignancies in Sweden. Heller L, et al. **Postgrad Med J** 1985;61 Suppl 4:79–83

Live varicella vaccine in healthy individuals. Just M, et al. **Postgrad Med J** 1985;61 Suppl 4:129–32

Live varicella immunization in healthy non–immune nurses. Ndumbe PM, et al. **Postgrad Med J** 1985;61 Suppl 4:133–5

Live varicella vaccine in severely immunodepressed children. Ninane J, et al. **Postgrad Med J** 1985;61 Suppl 4:97–102

The future of varicella vaccine. Plotkin SA, et al. **Postgrad Med J** 1985;61 Suppl 4:155–62 (30 ref.)

Vaccination of children with malignant disease against varicella. Sjørdahl SH, et al. **Postgrad Med J** 1985;61 Suppl 4:85–92

Clinical experience with Oka live varicella vaccine in Japan. Takahashi M, et al. **Postgrad Med J** 1985;61 Suppl 4:61–7

Attenuation and laboratory markers of the Oka–strain varicella–zoster virus. Takahashi M, et al. **Postgrad Med J** 1985;61 Suppl 4:37–46

Laboratory markers of immunity to varicella–zoster virus. Zoulek G. **Postgrad Med J** 1985;61 Suppl 4:47–52

Varicella in day care centers. Brunell PA, et al. **Rev Infect Dis** 1986 Jul–Aug;8(4):589–90 (16 ref.)

Effect of zoster immunoglobulin for varicella prophylaxis in the newborn. Hanngren K, et al. **Scand J Infect Dis** 1985;17(4):343–7

Application of immune adherence hemagglutination test in the screening of blood donors carrying a high titer antibody to varicella–zoster virus. Kawai H, et al. **Tohoku J Exp Med** 1986 Feb;148(2):143–9

Live varicella vaccine: the third act? [editorial] Plotkin SA. **Vaccine** 1986 Jun;4(2):74

Induction of neutralizing antibody against varicella–zoster virus (VZV) by VZV gp3 and cross–reactivity between VZV gp3 and herpes simplex viruses gB. Kitamura K, et al. **Virology** 1986 Feb;149(1):74–82

Neutralization epitope of varicella zoster virus on native viral glycoprotein gp118 (VZV glycoprotein gpIII). Montalvo EA, et al. **Virology** 1986 Mar;149(2):230–41

[Active chickenpox vaccination of children with acute leukemia or other neoplastic diseases] Haas RJ, et al. **Klin Padiatr** 1985 Nov–Dec;197(6):477–80 (Eng. Abstr.) (Ger)

[Active immunization of children exposed to varicella infection in hospitals, using subcutaneous and intradermal attenuated live vaccine] Boda D, et al. **Orv Hetil** 1985 Oct 20;126(42):2577–80 (Eng. Abstr.) (Hun)

[Studies on leukocyte procoagulant activity antigenically stimulated by purified protein derivative and varicella virus antigen] Okada M, et al. **Arerugi** 1985 Oct;34(10):955–61 (Eng. Abstr.) (Jpn)

[Changes in the serum anti–virus antibody titer following open–heart surgery and the effect of human immune globulin] Togashi K, et al. **Kyobu Geka** 1985 Aug; 38(8):606–8 (Eng. Abstr.) (Jpn)

[Clinico–pathological studies on herpes zoster; [I]. Changes in antibody titers on herpes zoster] Muraki R. **Nippon Hifuka Gakkai Zasshi** 1986 Jan;96(1):1–7 (Jpn)

[Development of live varicella vaccine] Takahashi M, et al. **Nippon Rinsho** 1985 Jul;43(7):1535–41 (26 ref.) (Jpn)

ISOLATION & PURIFICATION

Excretion of varicella–herpes zoster virus in breast milk. Frederick IB, et al. **Am J Obstet Gynecol** 1986 May; 154(5):1116–7

A comparison of the Tzanck smear and viral isolation in varicella and herpes zoster. Solomon AR, et al. **Arch Dermatol** 1986 Mar;122(3):282–5

Hospital experience with varicella–zoster virus. Krasinski K, et al. **Infect Control** 1986 Jun;7(6):312–6

Lymphocyte–associated viremia in varicella. Ozaki T, et al. **J Med Virol** 1986 Jul;19(3):249–53

Varicella zoster virus is a cause of the acute retinal necrosis syndrome. Culbertson WW, et al. **Ophthalmology** 1986 May;93(5):559–69

PATHOGENICITY

Clinical and pathogenetic aspects of varicella–zoster. Plotkin SA. **Postgrad Med J** 1985;61 Suppl 4:7–14 (80 ref.)

VARICOCELE

Boyhood varicocele. el-Gohary MA. **Br J Hosp Med** 1986 Mar;35(3):183–5

Re: Effects of varicocele after unilateral orchiectomy and sympathectomy [letter] Zorgniotti AW, et al. **J Urol** 1986 Jan;135(1):140

[Varicocele. Reports presented during a colloquium organized by the Belgian Society of Urology. Brussels, 2 March 1985] **Acta Urol Belg** 1985;53(4):623–83 (Fre)

BLOOD

Testosterone, FSH and LH in human spermatic and cubital venous plasma in varicocele patients. Bablok L, et al. **Andrologia** 1985 Jul–Aug;17(4):346–51

Spermatic blood beta HCG levels in testicular tumors and in varicocele. Fiet J, et al. **Prog Clin Biol Res** 1985; 203:117–20

CLASSIFICATION

[Varicocele in adolescence] Hennebert P, et al. **Acta Urol Belg** 1985;53(4):634–5 (Eng. Abstr.) (Fre)

COMPLICATIONS

Monitoring of suspected infertile men with varicocele by the sperm penetration assay. Rogers BJ, et al. **Fertil Steril** 1985 Dec;44(6):800–5

Prognosis of subfertility in men with corrected or uncorrected varicocele. Vermeulen A, et al. **J Androl** 1986 May–Jun;7(3):147–55

[Right-side varicocele in a patient with situs inversus of internal organs] Krips GM. **Urol Nefrol (Mosk)** 1986 May–Jun;(3):60 (Rus)

DIAGNOSIS

Management of male infertility: roles of contact thermography, spermatic venography, and embolization. Pochaczevsky R, et al. **AJR** 1986 Jul;147(1):97–102

Quantitative infra-red thermography to identify varicoceles as the cause of male infertility. Gallo LM, et al. **Biomed Tech (Berlin)** 1985 Nov;30(11):284–90

Scrotal ultrasound in the infertile man: detection of subclinical unilateral and bilateral varicoceles. McClure RD, et al. **J Urol** 1986 Apr;135(4):711–5

Varicoceles: combined sonography and thermography in diagnosis and posttherapeutic evaluation. Hamm B, et al. **Radiology** 1986 Aug;160(2):419–24

[Comparison of various technics in the diagnosis of varicocele] Wespes E, et al. **Acta Urol Belg** 1985; 53(4):636–43 (Eng. Abstr.) (Fre)

[High-resolution realtime sonography of varicoceles] Gritzmann N, et al. **ROFO** 1986 Feb;144(2):166–9 (Eng. Abstr.) (Ger)

[Noninvasive imaging procedures in the diagnosis and therapy control of varicoceles. I: Sonography and thermography in the diagnosis of varicoceles] Hamm B, et al. **ROFO** 1986 May;144(5):561–6 (Eng. Abstr.) (Ger)

[Diagnosis of varicocele: comparative studies using Doppler sonography and phlebography of the internal spermatic vein] Bähren W, et al. **Rontgenpraxis** 1986 May;39(5):151–8 (Ger)

[Doppler sonography and phlebography in the detection of hemodynamically different varicocele types] Gall H, et al. **Urologe [A]** 1986 May;25(3):147–52 (Eng. Abstr.) (Ger)

[Subclinical varicocele diagnosed by Doppler sound] Török L, et al. **Orv Hetil** 1986 May 4;127(18):1077–8 (Eng. Abstr.) (Hun)

[Scrotal telethermography in the diagnosis of dyspermia caused by varicocele] Cannizzaro MA, et al. **Minerva Urol Nefrol** 1985 Jan–Mar;37(1):57–62 (Eng. Abstr.) (Ita)

ENZYMOLOGY

[Acrosomal enzymes in the seminal plasma of men with idiopathic varicocele and infertility] Kremenski K, et al. **Akush Ginekol (Sofiia)** 1985;24(4):67–70 (Eng. Abstr.) (Bul)

IMMUNOLOGY

Demonstration of antispermatozoal antibodies in varicocele-related infertility with an enzyme-linked immunosorbent assay (ELISA). Golomb J, et al. **Fertil Steril** 1986 Mar;45(3):397–402

METABOLISM

Hormonal parameters in incidental varicoceles and those causing infertility. Hudson RW, et al. **Fertil Steril** 1986 May;45(5):692–700

OCCURRENCE

The ethnic distribution of varicocele. Alcalay J, et al. **Milit Med** 1986 Jun;151(6):327–8

[The incidence of varicocele in boys of school-age] Ristić D, et al. **Med Pregl** 1986;39(1–2):13–5 (Eng. Abstr.) (Scr)

PATHOLOGY

Varicocele in adolescents: ultrastructural aspects. Ponchietti R, et al. **Acta Eur Fertil** 1986 Jan–Feb;17(1):47–50

Quantitative evaluation of Leydig cells in testicular biopsies of men with varicocele. Franscavilla S, et al. **Arch Androl** 1986;16(2):111–7

Testis morphometry in varicocele. Pesce CM, et al. **Arch Androl** 1985;15(2–3):193–7

Pathophysiology of varicocele in nonhuman primates: long-term seminal and testicular changes. Harrison RM, et al. **Fertil Steril** 1986 Sep;46(3):503–10

Electron microscopic evidence for deep invaginations of the lamina propria towards the seminiferous tubule lumen in a patient with varicocele. Haider SG, et al. **Int J Androl** 1986 Feb;9(1):27–37

The value of testicular biopsy in patients with varicocele. Hadziselimovic F, et al. **J Urol** 1986 Apr;135(4):707–10

Comparison of recurrent varicocele anatomy following surgery and percutaneous balloon occlusion. Murray RR Jr, et al. **J Urol** 1986 Feb;135(2):286–9

[Clinico-morphological and histochemical research on the vena testicularis interna in patients with idiopathic varicocele and infertility] Tavetkov D, et al. **Akush Ginekol (Sofiia)** 1985;24(5):58–64 (Eng. Abstr.) (Bul)

[Varicocele and fertility—spermiographic and histologic findings] Zepnick H, et al. **Z Urol Nephrol** 1986 Apr; 79(4):229–39 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

Is there a specific abnormality of sperm morphology in men with varicoceles? Ayodeji O, et al. **Fertil Steril** 1986 Jun; 45(6):839–42

Hemodynamics of the varicocele. Part II. Correlation among the results of renocaval pressure measurements, varicocele scintigraphy and phlebography. Mali WP, et al. **J Urol** 1986 Mar;135(3):489–93

Varicocele and varicose veins compared. A basis for logical surgery. Dennison AR, et al. **Urology** 1986 Sep;28(3):211–7

RADIOGRAPHY

The usefulness of sequential isotopic angiography of the scrotum for study of the varicocele. Borella T, et al. **Acta Eur Fertil** 1985 Nov–Dec;16(6):417–21

[Spermatic phlebography. Diagnostic technic] Vandenbosch G, et al. **Acta Urol Belg** 1985;53(4):644–52 (Eng. Abstr.) (Fre)

RADIONUCLIDE IMAGING

Hemodynamics of the varicocele. Part I. Correlation among the clinical, phlebographic and scintigraphic findings. Mali WP, et al. **J Urol** 1986 Mar;135(3):483–8

[Radionuclide study in the detection of varicocele in infertile men] Takayama T, et al. **Kaku Igaku** 1985 Nov; 22(11):1635–40 (Eng. Abstr.) (Jpn)

[The value of angioscintigraphy of the scrotum in the detection of varicoceles] Vlaisavljević V. **Lijec Vjesn** 1985 Nov–Dec;107(11–12):511–4 (Eng. Abstr.) (Scr)

SURGERY

Testicular vein ligation and fertility in men with varicoceles. Baker HW, et al. **Br Med J [Clin Res]** 1985 Dec 14; 291(6510):1678–80

Testicular vein ligation and fertility in men with varicoceles [letter] Zorgniotti AW. **Br Med J [Clin Res]** 1986 Apr 19; 292(6527):1080

Fertility after varicocele ligation [letter] Abdelmassih R. **Fertil Steril** 1985 Oct;44(4):562

Predictive parameters of successful varicocele repair. Marks JL, et al. **J Urol** 1986 Sep;136(3):609–12

Does fertility improvement after varicocele treatment justify preventive treatment at puberty? Vereecken RL, et al. **Urology** 1986 Aug;28(2):122–6

[Treatment of varicocele by anastomosis between the internal spermatic vein and inferior epigastric vein] Wang BC, et al. **Chung Hua Wai Ko Tsa Chih** 1984 Dec;22(12):762–3, 783 (Eng. Abstr.) (Chi)

[Should varicocele be treated at a young age?] Boeckx G, et al. **Acta Urol Belg** 1985;53(4):660–71 (Eng. Abstr.) (Fre)

[Frequent abscence of the spermatic artery in proximal treatment of left varicocele] Hardy JC. **Acta Urol Belg** 1985;53(4):681–3 (Eng. Abstr.) (Fre)

[Results of the treatment of varicocele based on the spermogram. Apropos of 300 cases] Letawe J, et al. **Acta Urol Belg** 1985;53(4):672–8 (Eng. Abstr.) (Fre)

[Complicated varicoceles] Letawe J, et al. **Acta Urol Belg** 1985;53(4):679–80 (Eng. Abstr.) (Fre)

[Hydrocele following surgical treatment of varicocele] Van Oyen P, et al. **Acta Urol Belg** 1986;54(1):67–72 (Eng. Abstr.) (Fre)

[Primary varicocele. Indications for surgery] Van Regemorter G. **Acta Urol Belg** 1985;53(4):623–8 (Eng. Abstr.) (Fre)

[Obstruction of the inferior vena cava and varicocele] Bitker MO, et al. **Ann Urol (Paris)** 1986;20(1):72–4 (Eng. Abstr.) (Fre)

[Varicocelectomy for infertility is more effective in cases of sperm count less than 5 million/ml. Apropos of 70 cases] Fontonnier F, et al. **Ann Urol (Paris)** 1986;20(4):249–51 (Eng. Abstr.) (Fre)

[Varicocele in children and adolescents] Mothes W. **Zentralbl Chir** 1986;111(8):457–60 (Eng. Abstr.) (Ger)

[Essential varicocele: a modification of the classic intervention of Ivanissevich. Surgical technic] Merlino P, et al. **Minerva Chir** 1986 Apr 30;41(8):641–3 (Eng. Abstr.) (Ita)

[Therapy of varicocele] Zarrilli L. **Minerva Chir** 1986 Mar 31;41(5–6):483–4 (Ita)

[Varicocele in childhood] Cerasoli G, et al. **Pediatr Med Chir** 1985 May–Jun;7(3):443–4 (Eng. Abstr.) (Ita)

[Spermatogenesis in varicoceles after correction of the blood supply to the testis] Mel'man EP, et al. **Arkh Anat Gistol Embriol** 1986 Apr;90(4):65–9 (Eng. Abstr.) (Rus)

[Diagnosis and treatment of recurrences of varicocele] Zgonnik IuM. **Urol Nefrol (Mosk)** 1985 Jul–Aug;(4):22–5 (Eng. Abstr.) (Rus)

[Clinico-anatomical evaluation of the stimulation of disorders of testicular function in varicoceles by blood flow regulation] Mel'man EP, et al. **Vrach Delo** 1985 Sep; (9):53–5 (Eng. Abstr.) (Rus)

THERAPY

Percutaneous sclerotherapy of varicocele. Bigot JM. **Ann Radiol (Paris)** 1986;29(2):173–7

Left spermatic vein sclerotherapy. A seven years retrospective analysis. Riedl P, et al. **Ann Radiol (Paris)** 1986;29(2):165–8

Testicular vein ligation and fertility in men with varicoceles [letter] Lewis-Jones DI, et al. **Br Med J [Clin Res]** 1986 Feb 1;292(6516):342

Right-sided varicocele: technique and clinical results of balloon embolotherapy from the femoral approach. Shuman L, et al. **Radiology** 1986 Mar;158(3):787–91

Spermatic venous embolization in subfertile males with varicoceles. Eppel SM, et al. **S Afr J Surg** 1985 Sep; 23(3):102–6

[Varicocele in the adolescent] Dias A, et al. **Acta Urol Belg** 1985;53(4):629–33 (Eng. Abstr.) (Fre)

[Spermatic phlebography. Therapeutic technic] Vandenbosch G, et al. **Acta Urol Belg** 1985;53(4):653–9 (Eng. Abstr.) (Fre)

[Sclerosis of varicoceles. Apropos of 132 cases] Bigot JM, et al. **Ann Urol (Paris)** 1985;19(6):393–7 (Eng. Abstr.) (Fre)

[Value of percutaneous sclerotherapy in the treatment of varicocele. Technic and results] Fuochi C, et al. **Ann Urol (Paris)** 1986;20(4):252–6 (Eng. Abstr.) (Fre)

[Persistent varicocele following high ligation of the internal spermatic vein. Phlebography and vaso-occlusion with ethibloc] Buck J, et al. **ROFO** 1986 Mar;144(3):263–7 (Eng. Abstr.) (Ger)

[Non-invasive imaging procedures in the diagnosis and control of therapy of varicoceles. 2. Importance of thermography and sonography for therapy control following sclerotherapy of varicoceles] Hamm B, et al. **ROFO** 1986 Jun;144(6):665–9 (Eng. Abstr.) (Ger)

[Percutaneous sclerotherapy as primary treatment of testicular insufficiency in idiopathic varicocele] Sigmund G, et al. **ROFO** 1986 Mar;144(3):255–62 (Eng. Abstr.) (Ger)

[Percutaneous treatment of varicocele] Cotroneo AR, et al. **Radiol Med (Torino)** 1986 Jun;72(6):466–71 (Eng. Abstr.) (Ita)

VARICOSE ULCER

Management of venous ulcers. Falanga V, et al. **Am Fam Physician** 1986 Feb;33(2):274–81

COMPLICATIONS

Angiosarcoma: a complication of varicose leg ulceration. Al-Najjar AA, et al. **Acta Derm Venereol (Stockh)** 1986; 66(2):167–70

DIAGNOSIS

[An ulcer on a varicose leg is not necessarily a varicose ulcer] Thiery L. **Phlebologie** 1985 Jul–Sep;38(3):405–7 (Fre)

[Seasonal periodicity of venous leg ulcer] Heede G. **Dermatol Monatsschr** 1985;171(11):712–7 (Eng. Abstr.) (Ger)

DRUG THERAPY

A controlled comparative trial of Actisorb activated charcoal cloth dressings in the community. Mulligan CM, et al. **Br J Clin Pract** 1986 Apr;40(4):145–8

Controlled trial of Iodosorb in chronic venous ulcers [letter] **Br Med J [Clin Res]** 1985 Sep 28;291(6499):902

Systemic administration of antibiotics in the management of venous ulcers. A randomized clinical trial. Alinovi A, et al. **J Am Acad Dermatol** 1986 Aug;15(2 Pt 1):186–91

Cadexomer iodine in the management of venous leg ulcers in general practice. Steele K, et al. **Practitioner** 1986 Jan; 230(1411):63–8

[Pain reaction in patients with venous leg ulcers during treatment with Trypure] Klemp P, et al. **Ugeskr Laeger** 1986 Mar 24;148(13):762–3 (Eng. Abstr.) (Dan)

[Local proteolytic treatment of infected leg ulcers] Klemp P, et al. **Ugeskr Laeger** 1986 Mar 24;148(13):760–2 (Eng.

Abstr.) (Dan)
[Debrisan paste for refractory venous ulcers. Apropos of 11 case reports] Lekieffre J, et al. **Phlebologie** 1985 Jul–Sep; 38(3):541–4 (Fre)
[Alternative methods in the treatment of varicose ulcer and results] Lapilli A, et al. **Minerva Cardioangiol** 1986 Apr; 34(4):251–4 (Eng. Abstr.) (Ita)
[Local–action preparations in treating trophic ulcers in patients with vascular failure] Polous IuM, et al. **Vrach Delo** 1985 Oct;(10):57–9 (Eng. Abstr.) (Rus)

METABOLISM

[Oxygen pressure fields in ulcers of the lower leg] Creutzig A, et al. **Hautarzt** 1985 Nov;36(11):612–6 (Eng. Abstr.) (Ger)

OCCURRENCE

Incidence of varicose ulcers in Ireland. Henry M. **Ir Med J** 1986 Mar;79(3):65–7

PATHOLOGY

A new means of assessing healing in chronic venous ulceration. Katelaris P, et al. **Aust NZ J Surg** 1986 Feb; 56(2):99–102

PHYSIOPATHOLOGY

[Ulcers in the area of the external saphenous vein] Nguyen–Morere MC. **Phlebologie** 1985 Jul–Sep;38(3):463–8 (Eng. Abstr.) (Fre)
[Hyperemic hypoxia in venous ulcer] Partsch H. **Z Arztl Fortbild (Jena)** 1986;80(3):135–7 (Ger)

PREVENTION & CONTROL

Does stanozolol prevent venous ulceration? **Drug Ther Bull** 1985 Nov 18;23(23):91–2

RADIOGRAPHY

Stripping the long saphenous vein: peroperative retrograde saphenography in patients with and without venous ulceration. Sutton R, et al. **Br J Surg** 1986 Apr;73(4):305–7

RADIOTHERAPY

[Laser therapy of diseases of veins of the lower limbs] Dudenko GI, et al. **Klin Khir** 1985;(7):48–50 (Eng. Abstr.) (Rus)
[Use of the helium–neon laser in treating trophic ulcers] Lisienko VM, et al. **Klin Khir** 1986;(1):43–5 (Eng. Abstr.) (Rus)

SURGERY

Pinch grafting for chronic venous leg ulcers in general practice. Steele K. **J R Coll Gen Pract** 1985 Dec; 35(281):574–5
[Analysis of 144 cases of venous stagnant ulcer of the lower extrem[illegible]] Zhang BG, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Jan;24(1):6–9, 61 (Eng. Abstr.) (Chi)
[Ambulatory dermo–epidermal patch graft. Its advantages to the phlebologist in his office] Guex JJ. **Phlebologie** 1986 Apr–Jun;39(2):447–58 (Eng. Abstr.) (Fre)
[Treatment of non–healing trophic ulcers of the lower limbs by long–term novocaine block combined with collagen preparations] Sashchikova VG. **Vestn Khir** 1985 Jul; 135(7):69 (Rus)

THERAPY

Treatment of resistant venous stasis ulcers and dermatitis with the end–diastolic pneumatic compression boot. Dillon RS. **Angiology** 1986 Jan;37(1):47–56
Synthaderm treatment for varicose ulcers in mobile district practice patients. Kingston R, et al. **Br J Clin Pract** 1986 Aug;40(8):331–5
Comparison of two occlusive bandages in the treatment of venous leg ulcers. Eriksson G. **Br J Dermatol** 1986 Feb; 114(2):227–30
A therapeutic approach to venous ulcers. Falanga V, et al. **J Am Acad Dermatol** 1986 May;14(5 Pt 1):777–84
Photoplethysmographic evaluation of external compressive therapy for chronic venous ulceration. Samson RH, et al. **J Cardiovasc Surg (Torino)** 1986 Jan–Feb;27(1):24–6
Treatment of venous ulcers. A multi–center randomized double–blind study. Biland L, et al. **Vasa** 1985;14(4):383–9
[Ulcers] **Phlebologie** 1986 Apr–Jun;39(2):319–54 (Fre)
[Non–allergenic treatment of varicose ulcers] Van der Stricht J, et al. **Phlebologie** 1985 Jul–Sep;38(3):395–400 (Eng. Abstr.) (Fre)
[Indications for various methods of containment] Wallois P. **Phlebologie** 1985 Jul–Sep;38(3):499–503 (Fre)
[Treatment of vascular trophic disorders of the legs] Pastore A, et al. **Minerva Cardioangiol** 1985 Dec;33(12):851–4 (Eng. Abstr.) (Ita)
[Use of low–frequency ultrasonics in the complex treatment of trophic ulcers] Ivanov VV. **Khirurgiia (Mosk)** 1986 May; (5):121–5 (Rus)
[Topical treatment of ulcers of venous origin with semi–synthetic hydrocolloid occlusive bandages] Jiménez Cossio JA. **Angiologia** 1986 Mar–Apr;38(2):106–14 (Eng. Abstr.) (Spa)

VARICOSE VEINS

see related
SCLEROSING SOLUTIONS
[Varices in pregnancy (an up–date)] Basellini A, et al. **Ann Ostet Ginecol Med Perinat** 1985 Nov–Dec; 106(6):337–41 (Eng. Abstr.) (Ita)
[Recurrent varices: diagnosis and therapy] Selvetella L, et al. **Minerva Cardioangiol** 1986 Jan–Feb;34(1–2):51–2 (Ita)

COMPLICATIONS

Variceal bleeding caused by segmental portal hypertension in association with situs inversus and malrotation. Stahl Madsen M, et al. **Ann Chir Gynaecol** 1985;74(4):185–7
Are swelling and aching of the legs reduced by operation on varicose veins? Speakman MJ, et al. **Br Med J [Clin Res]** 1986 Jul 12;293(6539):105–6
Hemorrhoids or rectal varices: defining the cause of massive rectal hemorrhage in patients with portal hypertension. Weinshel E, et al. **Gastroenterology** 1986 Mar;90(3):744–7
Association of a pulmonary varix with a bronchiectasis of the right lung. Rongé R, et al. **J Belge Radiol** 1985; 68(2):137–9
Mesenteric node enlargement as a cause of intestinal variceal hemorrhage in nodular lymphoid hyperplasia. Freiman JS, et al. **J Clin Gastroenterol** 1985 Oct;7(5):422–4
Hemoperitoneum from ruptured omental varices. Ragupathi K, et al. **J Clin Gastroenterol** 1985 Dec;7(6):537–8
Piles are caused by varicose veins in the anal canal. Watts GT. **Lancet** 1986 Jan 18;1(8473):144–5
Rupture of a periumbilical vein causing hemoperitoneum in a cirrhotic patient. Paizis B, et al. **Mt Sinai J Med (NY)** 1986 Feb;53(2):123–5
Massive lower gastrointestinal hemorrhage secondary to colonic varices. Canver CC, et al. **NY State J Med** 1985 Oct;85(10):604–5
Gastrointestinal hemorrhage caused by colonic varices [letter] Freed JS, et al. **NY State J Med** 1986 Apr;86(4):207
Variceal bleeding [letter] Henderson JM, et al. **South Med J** 1986 Jul;79(7):921
[Intermittent exophthalmos] Grüntzig J. **Fortschr Ophthalmol** 1986;83(2):236–7 (Eng. Abstr.) (Ger)
[Management of varico–phlebitis by removal of the blood clot] Bihari I. **Orv Hetil** 1986 Jan 12;127(2):91–2 (Eng. Abstr.) (Hun)
[A case of scimitar syndrome associated with varicosity of the pulmonary vein] Hirai T, et al. **Kokyu To Junkan** 1985 Dec;33(12):1507–11 (Eng. Abstr.) (Jpn)
[Rupture of a varicose dilated vein of the uterus] Skripnichenko DF, et al. **Klin Khir** 1986;(1):70 (Rus)

DIAGNOSIS

Varix of the vortex vein ampulla. Lopez P. **J Am Optom Assoc** 1986 Feb;57(2):104–8
MR imaging of mesenteric varices. Ohtomo K, et al. **J Comput Assist Tomogr** 1985 Nov–Dec;9(6):1145–7
[Importance of Doppler ultrasound tomography in medical treatment of external saphenous veins] Schadeck M. **Phlebologie** 1986 Apr–Jun;39(2):431–44 (Eng. Abstr.) (Fre)
[Lung varices. A case report] Enzler P, et al. **Schweiz Med Wochenschr** 1985 Oct 5;115(40):1401–3 (Eng. Abstr.) (Ger)
[Significance of pneumatic plethysmography in the diagnosis of venous diseases] Grossmann K. **Z Arztl Fortbild (Jena)** 1986;80(3):103–6 (Ger)
[Technical venous diagnosis as an aid in decision making in treatment planning] Partsch H. **Z Arztl Fortbild (Jena)** 1986;80(3):89–95 (Ger)
[Phlebography in the diagnosis of varices of the legs] Abonante S, et al. **Minerva Cardioangiol** 1986 Jan–Feb; 34(1–2):37–9 (Ita)
[Doppler ultrasound and strain gauge plethymography in the diagnosis of the post–phlebitic syndrome] Macchione C, et al. **Minerva Med** 1985 Oct 20;76(40):1839–50 (Eng. Abstr.) (Ita)
[Pre–angiographic diagnosis of deep varicose veins based on a mathematical approach] Tsukanov IuT. **Klin Khir** 1985; (7):50–1 (Eng. Abstr.) (Rus)

DRUG THERAPY

Effects of a somatostatin analogue SMS 201–995 on hepatic haemodynamics in the pig and on intravariceal pressure in man. Jenkins SA, et al. **Br J Surg** 1985 Dec; 72(12):1009–12
[Is the tonisation of varicose veins due to elevated prostacyclin synthesis caused by dihydroergotamine?] Sinzinger H, et al. **Wien Klin Wochenschr** 1985 Nov 8; 97(21):817–9 (Eng. Abstr.) (Ger)

ETIOLOGY

Massive bleeding from rectal varices following repeated injection sclerotherapy of oesophageal varices. Keane RM, et al. **Br J Surg** 1986 Feb;73(2):120
Peristomal varices after proctocolectomy in patients with primary sclerosing cholangitis. Wiesner RH, et al. **Gastroenterology** 1986 Feb;90(2):316–22
Isolated duodenal bulb varices in retroperitoneal fibrosis [letter] Cavallo G, et al. **Gastrointest Endosc** 1985 Dec; 31(6):406–7
Small–bowel varices due to mesenteric metastasis. Radin DR, et al. **Gastrointest Radiol** 1986;11(2):183–4
Acquired phlebectasia of the glans penis [letter] Balato N, et al. **J Am Acad Dermatol** 1985 Nov;13(5 Pt 1):824–6
The role of arteriovenous shunts in the pathogenesis of varicose veins. Baron HC, et al. **J Vasc Surg** 1986 Aug; 4(2):124–8
What causes varicose veins? [letter] **Lancet** 1986 Feb 8; (8476):320–1
Varicose veins are caused by defective valves in the veins. Watts GT. **Lancet** 1986 Jan 4;1(8471):31–2
Venous blood flow in the leg after ligation of the femoral vein during cardiac catheterization in young children. Nielsen G, et al. **Pediatr Cardiol** 1986;6(4):179–81
[Sclerodermal cardiopathy with tricuspid insufficiency and pulsatile varices] Busquet MF, et al. **Ann Dermatol Venereol** 1985;112(6–7):519–23 (Fre)

FAMILIAL & GENETIC

[Individual variability in the structure of the walls of the principal trunks of the subcutaneous veins of the lower extremities of the human fetus] Boka SA. **Arkh Anat Gistol Embriol** 1985 Jun;88(6):44–8 (Eng. Abstr.) (Rus)

OCCURRENCE

Varicose veins and chronic venous insufficiency in Brazil: prevalence among 1755 inhabitants of a country town. Maffei FH, et al. **Int J Epidemiol** 1986 Jun;15(2):210–7
Varicose veins and chronic venous insufficiency disorder or disease? A critical epidemiological review. Madar G, et al. **Vasa** 1986;15(2):126–34

PATHOLOGY

Varix of the external jugular vein. Ajuluchuku EU, et al. **Thorac Cardiovasc Surg** 1986 Apr;34(2):135–6
[Morphologic changes in the skin of the leg in patients with long–standing varices] Vasilev I, et al. **Khirurgiia (Sofiia)** 1985;38(6):10–4 (Eng. Abstr.) (Bul)
[Left predominance of varices: myth or reality?] Cornu–Thénard A, et al. **Phlebologie** 1986 Apr–Jun; 39(2):465–71 (Eng. Abstr.) (Fre)
[The connective tissue component and its connections with the terminal circulatory unit in macrophlebopathies] Merlen JF, et al. **Phlebologie** 1985 Jul–Sep;38(3):489–97 (Eng. Abstr.) (Fre)
[Significance of the morphology of the communicating veins and of the small saphenous veins in the surgery of varices of the legs] Corcos L, et al. **Minerva Cardioangiol** 1986 Jan–Feb;34(1–2):41–6 (Ita)
[Status of neural elements of the blood vessels of the lower limbs in varicose veins] Marei NA, et al. **Klin Khir** 1985; (7):29–31 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Varicocele and varicose veins compared. A basis for logical surgery. Dennison AR, et al. **Urology** 1986 Sep;28(3):211–7
[Reflected–light rheography. A new methods for the non–invasive evaluation of varices of the legs] Bracale GC, et al. **Minerva Cardioangiol** 1986 Jan–Feb;34(1–2):33–6 (Ita)
[Angiodysplasia and varices of the lower limbs] Del Gaudio A, et al. **Minerva Cardioangiol** 1985 Apr;33(4):219–30 (Eng. Abstr.) (Ita)
[Evaluation of the efficiency of femoral vein valves based on the ascending and descending phlebography] Narożnik K, et al. **Pol Przegl Radiol (Warszawa)** 1985 Jul–Aug; 49(4):247–50 (Eng. Abstr.) (Pol)
[Characteristics of parameters of venous circulation in diseases of veins of the lower limbs] Borisova LF, et al. **Khirurgiia (Mosk)** 1985 Jun;(6):65–8 (Eng. Abstr.) (Rus)

PREVENTION & CONTROL

[Scientific analysis of phleboprophylaxis] Fischer R, et al. **Vasa** 1986;15(1):12–9 (Eng. Abstr.) (Ger)

RADIOGRAPHY

Descending phlebography in the assessment of long saphenous vein incompetence. Thomas ML, et al. **AJR** 1985 Dec;145(6):1255–7
Varicography in the management of recurrent varicose veins. Thomas ML, et al. **Angiology** 1986 Aug;37(8):570–5
Demonstration of rectal varices by transhepatic inferior mesenteric venography. Hsieh JS, et al. **Dis Colon Rectum** 1986 Jul;29(7):459–61
Mesenteric varices demonstrated by transhepatic portography. Matsunaga N, et al. **Gastrointest Radiol** 1986; 11(3):280–2
Varicography. Lea Thomas M, et al. **Int Angiol** 1985 Oct–Dec;4(4):475–82
Pericardial varices demonstrated by computed tomography. Millward SF, et al. **J Comput Assist Tomogr** 1985 Nov–Dec;9(6):1106–7
CT demonstration of ovarian varices. Radin DR, et al. **J Comput Assist Tomogr** 1986 Mar–Apr;10(2):361–2
Mesenteric varices: an entity with specific clinical, angiographic features. Yashiro N, et al. **Radiat Med** 1984 Jan–Mar;2(1):44–8
Renal sinus varix: an additional differential diagnosis of a

renal hilar mass. Yashiro N, et al. **Radiat Med** 1984 Jul–Sep; 2(3):194–6

[Significance of preoperative varicography in surgery of essential varices] Perrin M. **Phlebologie** 1985 Jul–Sep; 38(3):439–42 (Fre)

[Varicose veins of the lung] Leicher–Dilber A, et al. **Rontgenblatter** 1986 Apr;39(4):97–9 (Eng. Abstr.) (Ger)

[Critical assessment of the diagnostic value of phlebography and the attempt to increase its effectiveness by conducting venous pressure measurements in varicose veins and post–thrombophlebitic syndrome in the lower extremities] Tereszczyk T. **Ann Acad Med Stetin** 1985;31:169–84 (Eng. Abstr.) (Pol)

[Primary and recurrent varices of the communicating veins at the level of the thigh and perineum] Fluture V, et al. **Rev Chir [Chir]** 1985 May–Jun;34(3):199–206 (Eng. Abstr.) (Rum)

[Ureteral varices: a diagnosis to keep in mind] Dominguez Bravo C, et al. **Arch Esp Urol** 1986 May;39(4):231–5 (Eng. Abstr.) (Spa)

RADIONUCLIDE IMAGING

The appearance of a large mesenteric varix on a technetium–99m red blood cell gastrointestinal bleeding study. Mountz JM, et al. **Clin Nucl Med** 1986 Apr; 11(4):229–32

SURGERY

Evaluation of the posterior approach for subfascial ligation of perforating veins. Cheung PS, et al. **Aust NZ J Surg** 1985 Aug;55(4):369–72

A conflict in vascular surgery. Large J. **Aust NZ J Surg** 1985 Aug;55(4):373–6

Avulsion versus dissection and ligation of the varicose short saphenous trunk. Perry EG. **Aust NZ J Surg** 1985 Feb; 55(1):61–3

Varicose veins. Mansfield AO. **Br J Hosp Med** 1986 Aug; 36(2):124–7

Operation for recurrent saphenofemoral incompetence using a medial approach to the saphenofemoral junction. Greaney MG, et al. **Br J Surg** 1985 Nov;72(11):910–1

Stripping the long saphenous vein: peroperative retrograde saphenography in patients with and without venous ulceration. Sutton R, et al. **Br J Surg** 1986 Apr;73(4):305–7

Argon laser treatment of an abnormal angle vessel producing recurrent hyphema. de Corral LR, et al. **Int Ophthalmol** 1985 Sep;8(3):179–82

International dermatosurgery: cosmetic varicectomy. Harahap M. **J Dermatol Surg Oncol** 1985 Sep;11(9):873–8

Femoral vein division during Trendelenburg operation. Successful repair using saphenous vein graft. Welch GH, et al. **J R Coll Surg Edinb** 1985 Jun;30(3):203–4

Surgical treatment of saphenous varices, with preservation of the main great saphenous trunk. Large J. **J Vasc Surg** 1985 Nov;2(6):886–91

Are varicose veins and coronary artery bypass surgery compatible? Macfarlane R, et al. **Lancet** 1985 Oct 19; 2(8460):859

Caution about disposable vein strippers [letter] Stary DR, et al. **Med J Aust** 1986 Feb 3;144(3):165–6

Intermittent bleeding from anorectal varices. Fick TE, et al. **Neth J Surg** 1985 Dec;37(6):187–9

Differential salicylate–aspirin interaction on vascular prostacyclin and platelet thromboxane synthesis in patients undergoing saphenectomy. Dejana E, et al. **Proc Soc Exp Biol Med** 1985 Dec;180(3):533–7

Serial measurement of portal hemodynamics after partial portal decompression. Sarfeh IJ, et al. **Surgery** 1986 Jul; 100(1):52–8

[Evaluation of saphenous vein stripping operation] Sun JM, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Aug;23(8):468–70, 509 (Eng. Abstr.) (Chi)

[Current problems in the treatment of varices of the lower extremities and their complications in Czechoslovakia] Andĕl Z. **Rozhl Chir** 1986 Feb;65(2):106–8 (Cze)

[Present levels of surgical care of patients with varices of the lower extremities in Czechoslovakia] Andĕl Z, et al. **Rozhl Chir** 1985 Dec;64(12):785–90 (Eng. Abstr.) (Cze)

[Use of a varicose vein for aortocoronary bypass] Vincent JG, et al. **Ann Chir** 1985 Oct;39(7):409–11 (Eng. Abstr.) (Fre)

[Arterial complications following surgery or sclerotherapy of varices] Mellière D, et al. **J Mal Vasc** 1986;11(1):19–22 (Eng. Abstr.) (Fre)

[Surgery of varices under phlebographic control] Frileux C, et al. **Minerva Chir** 1986 Mar 31;41(5–6):299–300 (Fre)

[Varices: surgical treatment] **Phlebologie** 1986 Apr–Jun; 39(2):283–318 (Fre)

[Esthetics in the surgery of varices, especially in the region of the groin] Brunner U. **Phlebologie** 1985 Oct–Dec; 38(4):683–5 (Eng. Abstr.) (Fre)

[Surgery of the external saphenous vein] Elbaz C. **Phlebologie** 1985 Jul–Sep;38(3):475–83 (Eng. Abstr.) (Fre)

[Post–stripping telangiectasis] Hutinel B, et al. **Phlebologie** 1985 Oct–Dec;38(4):665–7 (Eng. Abstr.) (Fre)

[Is venous stripping outmoded?] Janssen Y. **Phlebologie** 1986 Jan–Mar;39(1):73–8 (Eng. Abstr.) (Fre)

[Esthetics in phlebology] Muller R. **Phlebologie** 1985 Oct–Dec;38(4):673–6 (Eng. Abstr.) (Fre)

[Postoperative recurrence of varices] Rettori R. **Phlebologie** 1986 Jan–Mar;39(1):89–98 (Fre)

[Varicose recurrence in the popliteal fossa] Vandendriessche M. **Phlebologie** 1986 Jan–Mar;39(1):67–71 (Eng. Abstr.) (Fre)

[Resection of the saphenofemoral junction, when and why?] van der Stricht J. **Phlebologie** 1986 Jan–Mar;39(1):47–51 (Eng. Abstr.) (Fre)

[Surgical procedures with esthetic purpose in the stripping of the great saphenous vein] Van Der Stricht J. **Phlebologie** 1985 Oct–Dec;38(4):687–91 (Eng. Abstr.) (Fre)

[Bupivacaine 0.5% and 0.75% for peridural anesthesia in operations on the extremities] Bischoff U, et al. **Reg Anasth** 1986 Jul;9(3):60–3 (Eng. Abstr.) (Ger)

[Ambulatory surgery in phlebology] Müller W. **Schweiz Rundsch Med Prax** 1985 Aug 6;74(32):827–30 (Eng. Abstr.) (Ger)

[Recurrences following varicose vein operations: responsibility of Dodd veins] Junod JM. **Vasa** 1985; 14(4):401–3 (Eng. Abstr.) (Ger)

[An instrumental solution to the esthetic problems in radical surgery of varices of the legs] Corcos L, et al. **Minerva Cardioangiol** 1986 Jan–Feb;34(1–2):53–6 (Ita)

[Varices of the lower extremities] Bracale GC. **Minerva Chir** 1986 Mar 31;41(5–6):295–7 (Ita)

[Varicose veins. Treatment in a general hospital] Lindberg K, et al. **Tidsskr Nor Laegeforen** 1986 May 10; 106(12):1010–2 (Eng. Abstr.) (Nor)

[Causes of postoperative complications and their prevention in the treatment of varicose veins with trophic disorders of the soft tissues] Khokhlov AM, et al. **Khirurgiia (Mosk)** 1985 Jun;(6):102–7 (Rus)

[Injuries of the femoral artery and vein during the Troianov–Trendelenburg operation] Stepanov GA, et al. **Khirurgiia (Mosk)** 1985 Dec;(12):99 (Rus)

[Correction of ectasia of the femoral vein] Tsukanov IuT. **Khirurgiia (Mosk)** 1985 Jun;(6):59–62 (Eng. Abstr.) (Rus)

[Medical expert evaluation of work capacity and surgical treatment of patients with varicose veins of lower limbs] Ivanov SS, et al. **Klin Med (Mosk)** 1985 Oct;63(10):62–5 (Rus)

[Errors in the surgical treatment of varicose veins] Protsenko NV, et al. **Sov Med** 1985;(6):114–8 (Rus)

[Surgical treatment of varicose veins of the lower limbs in a polyclinic] Apanasenko BG, et al. **Vestn Khir** 1985 Jul; 135(7):105–8 (Rus)

[Electroacupuncture combined with conduction anesthesia in operations on varicose veins of the lower limbs] Evdokimov GP, et al. **Vestn Khir** 1985 Oct;135(10):115–6 (Eng. Abstr.) (Rus)

[Intraoperative Doppler testing of the efficacy of correcting the valves of deep veins with a framework coil] Konstantinova GD, et al. **Vestn Khir** 1986 Mar;136(3):14–6 (Eng. Abstr.) (Rus)

[Prevention of postoperative recurrence after the treatment of varicose veins of the lower extremities] Lukomskiĭ GI, et al. **Vestn Khir** 1986 Apr;136(4):130–4 (Rus)

[Instrumental solution for esthetic problems in radical surgery of varices of the lower extremities] Peruzzi G, et al. **Angiologia** 1985 Nov–Dec;37(6):276–80 (Eng. Abstr.) (Spa)

THERAPY

Why do varices bleed? Rational therapy based on objective observations. Conn HO. **Acta Med Scand [Suppl]** 1985; 703:135–48

Bleeding oesophageal varices [editorial] Gillespie IE. **Br Med J [Clin Res]** 1986 Jun 7;292(6534):1479–80

Current concepts in the management of varicose veins. Ameli FM. **Can J Surg** 1986 Jan;29(1):21–3

Treatment for primary varicose veins [letter] Basian H. **Can Med Assoc J** 1985 Oct 15;133(8):731

Sclerotherapy for massive enterostomy bleeding resulting from portal hypertension. Hesterberg R, et al. **Dis Colon Rectum** 1986 Apr;29(4):275–7

Recurrent stomal variceal bleeding. Successful treatment using injection sclerotherapy. Morgan TR, et al. **Dis Colon Rectum** 1986 Apr;29(4):269–70

Endoscopic sclerotherapy using absolute alcohol [letter] Perisic VN. **Gut** 1986 Mar;27(3):350

Bile duct varices. An alternative to portoportal anastomosis in liver transplantation. Hiatt JR, et al. **Transplantation** 1986 Jul;42(1):85

Improvement of immediate and long–term results in sclerotherapy. Wenner L. **Vasa** 1986;15(2):180–3

[Varices: sclerotherapy] **Phlebologie** 1986 Apr–Jun; 39(2):205–82 (Fre)

[Current treatment of varices of the lower extremities in Czechoslovakia] Andel Z. **Phlebologie** 1986 Jan–Mar; 39(1):157–61 (Eng. Abstr.) (Fre)

[Sclerosis of junctions combined with compression: long–term results] Cloutier G, et al. **Phlebologie** 1986 Jan–Mar;39(1):145–8 (Eng. Abstr.) (Fre)

[Ostial incontinence: sclerosis or resection of the saphenous junction?] Davy A, et al. **Phlebologie** 1986 Jan–Mar; 39(1):35–45 (Eng. Abstr.) (Fre)

[Medico–legal aspects of medical and surgical treatments in venous pathology] Devèze F, et al. **Phlebologie** 1985 Oct–Dec;38(4):621–31 (Eng. Abstr.) (Fre)

[Esthetics in phlebology. Esthetics and cosmetology] Donadi GC. **Phlebologie** 1985 Oct–Dec;38(4):701–4 (Fre)

[Esthetics in phlebology. Esthetics and containment] Donadi GC. **Phlebologie** 1985 Oct–Dec;38(4):695–9 (Fre)

[Junctions of the saphenous vein. Anatomy and treatment concepts] Furderer CR, et al. **Phlebologie** 1986 Jan–Mar; 39(1):3–14 (Eng. Abstr.) (Fre)

[Measurement of the effects of Barbotan–les–Thermes waters on the venous filling and drainage in patients with phlebitis and varicosities using plethysmography with a measuring gauge] Garreau C, et al. **Phlebologie** 1985 Jul–Sep; 38(3):529–39 (Eng. Abstr.) (Fre)

[Sclerotherapy of varices and protein C deficiency] Lecerf C, et al. **Phlebologie** 1986 Apr–Jun;39(2):415–29 (Eng. Abstr.) (Fre)

[Varices. A decade of collaboration between dermatologists and surgeons: the Alkmaar project] Oosterwal SH, et al. **Phlebologie** 1986 Jan–Mar;39(1):25–33 (Eng. Abstr.) (Fre)

[Incidents and accidents due to sclerotherapy. Prevention of pigmentation] Sarteel AM, et al. **Phlebologie** 1985 Jul–Sep;38(3):383–7 (Eng. Abstr.) (Fre)

[Suppression of sphenous reflux using sclerotherapy. Technics and results] Wallois P. **Phlebologie** 1986 Jan–Mar; 39(1):15–23 (Fre)

[Varicosities after sclerosing] Wallois P. **Phlebologie** 1985 Oct–Dec;38(4):669–72 (Fre)

[Recent developments in the diagnosis and therapy of primary varicose veins] Schöpf E, et al. **Hautarzt** 1985 Jul; 36(7):379–80 (Eng. Abstr.) (Ger)

[Compression stockings class II as a medical indication] Partsch H. **Vasa** 1985;14(4):390–3 (Eng. Abstr.) (Ger)

[Current direction in the treatment of varices of the legs] Selvetella L, et al. **Minerva Cardioangiol** 1986 Jan–Feb; 34(1–2):47–9 (Ita)

[Treatment and prevention of subcutaneous varicose veins of the lower limbs in pregnancy] Vasiliuk MD, et al. **Klin Khir** 1985;(7):59–61 (46 ref.) (Rus)

VARIOLA see **SMALLPOX**

VARIOLA VIRUS see **SMALLPOX VIRUS**

VARNISH see **PAINT**

VARNISH, CAVITY see **DENTAL CAVITY LINING**

VAS DEFERENS

ABNORMALITIES

Alloplastic spermatocele in cases of vasa aplasia. Momen MN, et al. **Arch Androl** 1985;14(1):89–91

Alloplastic spermatocele: poor sperm motility in intraoperative epididymal fluid contraindicates prosthesis implantation. Belker AM, et al. **J Urol** 1986 Aug; 136(2):408–9

Crossed ectopic testis with common vas deferens. Miura T, et al. **J Urol** 1985 Dec;134(6):1206–8

Alloplastic spermatoceles: a 5–year experience. Ross LS, et al. **J Urol** 1986 Aug;136(2):410–2

[Anomalies of the sperm, vas deferens and epididymis in cystic fibrosis] Feigelson J, et al. **Presse Med** 1986 Mar 15;15(11):523–5 (Eng. Abstr.) (Fre)

[Seminal duct malformations: clinical picture, diagnosis and therapy] Zink RA, et al. **Urologe [A]** 1985 Nov;24(6):340–1 (Eng. Abstr.) (Ger)

[A case of ectopic vas deferens opening into the bladder] Seymandi PL, et al. **Pediatr Med Chir** 1982 Nov–Dec; 4(6):691–3 (Eng. Abstr.) (Ita)

[A therapeutic experience with alloplastic spermatocele used in obstructive azoospermia] Terada T, et al. **Hinyokika Kiyo** 1985 Dec;31(12):2307–11 (Eng. Abstr.) (Jpn)

ANALYSIS

Autoradiographic localization of tritium–labeled dihydrotestosterone in human vas deferens. Beckman WC Jr, et al. **J Androl** 1986 May–Jun;7(3):197–202

Enkephalin contents reflect noradrenergic large dense cored vesicle populations in vasa deferentia. Douglas BH 2d, et al. **Regul Pept** 1986 May;14(3):193–210

DRUG EFFECTS

An endogenous brain substance, CDS (clonidine–displacing–substance), inhibits the twitch response of rat vas deferens. Diamant S, et al. **Biochem Biophys Res Commun** 1986 Jan 14;134(1):184–90

Interactions between the effects of yohimbine, clonidine and [Ca]o on the electrical response of the mouse vas deferens. Blakeley AG, et al. **Br J Pharmacol** 1986 Aug;88(4):807–14

Simultaneous measurement of contractile effects in the circular and longitudinal smooth muscle of the rat vas deferens by drugs perfused externally or via the lumen. Busatto PA, et al. **Br J Pharmacol** 1985 Aug;85(4):737–46

Chemical occlusion of vas with MCA in rhesus monkey. Chandra H. **Contraception** 1986 Jan;33(1):47–50

Contraception in male monkeys by intra–vas deferens injection of a pH lowering polymer. Guha SK, et al. **Contraception** 1985 Jul;32(1):109–18

Sensitivity changes in the smooth muscle of the guinea–pig isolated vas deferens after treatment of animals with 6–hydroxydopamine. Ice KS, et al.

J Pharmacol Exp Ther 1985 Nov;235(2):349–53

Morphine dependence and diabetes. II. Alterations of normorphine potency in the guinea-pig ileum and mouse vas deferens and of ileal morphine dependence by changes in glucose concentration. Shook JE, et al. J Pharmacol Exp Ther 1986 Jun;237(3):848–52

Presynaptic regulation by ACh of the NE mediated responses in the rat vas deferens. Miranda HF, et al. J Recept Res 1985;5(4):231–43

Stereospecific effects of d- and l-pentazocine on contractions of the mouse vas deferens. Kinouchi K, et al. Life Sci 1986 Jul 14;39(2):127–33

Effect of verapamil on the non-adrenergic response of the field stimulated rat vas deferens. Raviprakash V, et al. Naunyn Schmiedebergs Arch Pharmacol 1985 Dec; 331(4):347–50

Inhibitory effect of adenosine on electrically evoked contractions in the rat vas deferens: calcium dependence. Lee CM. Neurosci Lett 1985 Aug 16;59(1):41–5

Inhibitory effect of adenosine on electrically evoked contractions in the rat vas deferens: pharmacological characterization. Lee CM, et al. Neurosci Lett 1985 Aug 16;59(1):47–52

Opioid activity of pro-enkephalin-derived peptides in mouse vas deferens and guinea pig ileum. Sánchez-Blázquez P, et al. Neurosci Lett 1985 Nov 11;61(3):267–71

Dual excitatory actions of acetylcholine at the neuromuscular junction in the guinea-pig vas deferens. Wakui M, et al. Pflugers Arch 1986 Jun;406(6):587–93

[Activity of presynaptic alpha-adrenoreceptors during prolonged perfusion with adrenaline] Berdysheva LV, et al. Fiziol Zh SSSR 1986 May;72(5):590–4 (Eng. Abstr.) (Rus)

[Adrenoreactivity of different portions of the vas deferens in the rat] Berdysheva LV, et al. Fiziol Zh SSSR 1985 Nov;71(11):1339–43 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Immunohistochemical localization of two angiotensin I-converting isoenzymes in the reproductive tract of the male rabbit. Berg T, et al. J Histochem Cytochem 1986 Jun;34(6):753–60

The inactivation of [Met5]-enkephalin by bestatin-sensitive aminopeptidase, captopril-sensitive peptidyl dipeptidase A and thiorphan-sensitive endopeptidase-24.11 in mouse vas deferens. Aoki K, et al. Jpn J Pharmacol 1986 Feb; 40(2):297–302

INJURIES

[Herniotomy as a cause of infertility in men] Petrovskil BV, et al. Khirurgiia (Mosk) 1985 Sep;(9):3–5 (Eng. Abstr.) (Rus)

INNERVATION

Influence of temperature on stimulus-secretion coupling in the sympathetic nerves and on neuromuscular transmission, in guinea-pig vas deferens. Stjärne L, et al. Acta Physiol Scand 1985 Oct;125(2):181–94

Potentiation by cholinoceptor agonists of contractions to field stimulation of rat vas deferens. Lee CM. Br J Pharmacol 1985 Nov;86(3):671–6

Sympathetic denervation of the rat vas deferens following unilateral vasectomy. DeGaris RM, et al. Clin Exp Pharmacol Physiol 1986 May;13(5):399–406

Organ culture of young rat vas deferens as an in vitro model for the study of denervation supersensitivity. Ono K, et al. Eur J Pharmacol 1985 Nov 5;117(2):159–68

Sodium-dependence of the saturability of carrier-mediated noradrenaline efflux from noradrenergic neurones in the rat vas deferens. Bönisch H, et al. Naunyn Schmiedebergs Arch Pharmacol 1986 Feb; 332(2):131–4

Reserpine-induced potentiation of the inhibitory action of neuropeptide Y on the rat vas deferens neurotransmission. Huidobro-Toro JP. Neurosci Lett 1985 Sep 6;59(3):247–52

[Organ culture of the rat vas deferens. IV. Relation between the appearance of supersensitivity and neurogenic factors] Ono K, et al. Nippon Heikatsukin Gakkai Zasshi 1985 Aug; 21(4):311–3 (Jpn)

METABOLISM

The relation between in vitro efflux of noradrenaline from platelets and vas deferens in man. Mattiasson I, et al. Acta Physiol Scand 1985 Sep;125(1):155–8

A radiolabeled-ligand-binding technique for the characterization of opioid receptors in the intact mouse vas deferens. Cicero TJ, et al. Anal Biochem 1985 Oct; 150(1):67–75

Peripheral distribution of free dopamine and its metabolites in the rat. Favre R, et al. J Neural Transm 1986; 66(2):135–49

Regional differences in the testosterone to dihydrotestosterone ratio in the epididymis and vas deferens of adult mice. Jean-Faucher C, et al. J Reprod Fertil 1986 Mar;76(2):537–43

Binding of agonists and antagonists to beta-adrenoceptors in rat vas deferens: relationship to functional response. May JM, et al. Naunyn Schmiedebergs Arch Pharmacol 1985 Dec;331(4):324–33

Relationship of metabolism of 2'-, 3'- and 5'-adenine nucleotides to presynaptic inhibition of transmitter release in rat vas deferens. Webster DR, et al. Naunyn Schmiedebergs Arch Pharmacol 1986 Jun; 333(2):163–7

Release of [3H]noradrenaline by alpha 1-adrenoceptor agonists. Vizi ES, et al. Neurochem Res 1986 Jan; 11(1):71–84

The opioid receptors in the hamster vas deferens are of the delta-type. McKnight AT, et al. Neuropharmacology 1985 Nov;24(11):1011–7

PATHOLOGY

Vasitis nodosa (a report of 7 cases). Deshpande RB, et al. J Postgrad Med 1985 Apr;31(2):105–8

The significance of vasitis nodosa. Kiser GC, et al. J Urol 1986 Jul;136(1):42–4

PHYSIOLOGY

Effect of flushing the vasa deferentia at the time of vasectomy on the rate of clearance of spermatozoa from the ejaculates of dogs and cats. Frenette MD, et al. Am J Vet Res 1986 Feb;47(2):463–70

Short-term effects of vasoligation upon plasma follicle-stimulating hormone, luteinizing hormone, and prolactin in the adult rat: further evidence for a direct neural connection between the testes and the central nervous system. Preslock JP, et al. Biol Reprod 1985 Dec; 33(5):1120–5

In vivo bupivacaine reduces the in vitro sensitivity of the human vas deferens to phenylephrine. Kawamoto JH, et al. Can J Physiol Pharmacol 1986 Apr;64(4):467–71

Influence of lowered temperature upon the response of prostatic and epididymal portion of the rat isolated vas deferens to field stimulation. Ebong OO. Clin Exp Pharmacol Physiol 1986 Jan;13(1):9–16

Differential effects of calcium channel blockers on the responses of the rat vas deferens to intramural nerve stimulation and exogenous drugs. Amobi NI, et al. Experientia 1986 Apr 15;42(4):410–2

The role of the human epididymis in sperm maturation and sperm storage as reflected in the consequences of epididymovasostomy. Schoysman RJ, et al. Fertil Steril 1986 Aug;46(2):293–9

Testosterone sensitivity of the seminal sacs of tree sparrows (Spizella arborea) in different reproductive states. Wilson FE. J Endocrinol 1986 Apr;109(1):125–31

Neuropeptide Y—a cotransmitter with noradrenaline and adenosine 5'-triphosphate in the sympathetic nerves of the mouse vas deferens? A biochemical, physiological and electropharmacological study. Stjärne L, et al. Neuroscience 1986 May;18(1):151–66

Galanin potentiates electrical stimulation and exogenous norepinephrine-induced contractions in the rat vas deferens. Ohhashi T, et al. Regul Pept 1985 Oct; 12(2):163–71

[Spontaneous recanalization after vasectomy—a review] Gatenbeck L, et al. Lakartidningen 1985 Sep 11; 82(37):3064–5 (Swe)

RADIOGRAPHY

Diagnostic value of vaso-seminal-vesiculography. Al-Omari H, et al. Arch Androl 1985;15(2-3):187–92

Vas deferens calcification seen on computerized tomography. Newmark H 3d, et al. Comput Radiol 1985 Nov-Dec; 9(6):377–8

SECRETION

Effects of chloride ion substitution on the frequency dependence and alpha-autoinhibition of [3H]noradrenaline secretion in guinea-pig vas deferens. Stjärne L, et al. Acta Physiol Scand 1986 Jul;127(3):327–33

SURGERY

Vasovasostomy: efficacy and cost containment by outpatient loupe magnification anastamosis. Klein FA, et al. J Fam Pract 1986 Feb;22(2):176–7

Recanalisation of vas. Singh AB, et al. J Indian Med Assoc 1985 Sep;83(9):303–5

Operative recovery of vasal sperm from anejaculatory men: preliminary report. Berger RE, et al. J Urol 1986 May; 135(5):948–50

Transseptal crossed vasovasostomy. Lizza EF, et al. J Urol 1985 Dec;134(6):1131–2

Use of papaverine during vasovasostomy. Marmar JL, et al. Urology 1986 Jul;28(1):56–7

[New microsurgical methods for vasoepididymostomy] Drawz G, et al. Urol Int 1985;40(6):337–42 (Eng. Abstr.) (Ger)

[Crossed vasovasostomy as a solution of a complex problem of male sterility] Frea B, et al. Minerva Urol Nefrol 1985 Jan-Mar;37(1):81–2 (Eng. Abstr.) (Ita)

ULTRASTRUCTURE

Phagocytosis of spermatozoa and latex beads by epithelial cells of the ampulla vasis deferentis of the rabbit: a combined SEM and TEM study. Murakami M, et al. Arch Histol Jpn 1985 Jul;48(3):269–77

Preservation of catecholamine granules by the fixative containing nitrogen mustard N-oxide. Chiba T, et al. J Electron Microsc (Tokyo) 1982;31(4):419–22

VASA NERVORUM see under BLOOD VESSELS

VASA VASORUM

PHYSIOLOGY

Blood flow through vasa vasorum in arteries and veins: effects of luminal PO2. Heistad DD, et al. Am J Physiol 1986 Mar;250(3 Pt 2):H434–42

PHYSIOPATHOLOGY

Effects of chronic hypertension on vasa vasorum in the thoracic aorta. Marcus ML, et al. Cardiovasc Res 1985 Dec; 19(12):777–81

ULTRASTRUCTURE

The natural history of endothelial structure and function in arterialized vein grafts. Bush HL Jr, et al. J Vasc Surg 1986 Feb;3(2):204–15

VASCULAR DISEASES

Acute vascular problems of children. Villavicencio JL, et al. Curr Probl Surg 1985 Aug;22(8):1–85 (270 ref.)

[20th meeting of the Collège Français de Pathologie Vasculaire. Paris, 12–14 March 1986. Abstracts] J Mal Vasc 1986;11 Suppl C:98–144 (Fre)

[19th meeting of the French College of Vascular Pathology. Paris, 12–14 March 1985. Abstracts of the round tables and reports] J Mal Vasc 1985;10 Suppl B:216–50 (Fre)

[Computerized records in vascular pathology. I. Basic elements] Boccalon H, et al. J Mal Vasc 1986;11(2):128–31 (Eng. Abstr.) (Fre)

[Continuing education week: Phlebology. Paris, 14–19 October 1985. Organized by the French Society of Phlebology] Phlebologie 1986 Apr-Jun;39(2):201–412 (Fre)

[Phlebology consultation services open to physicians] Phlebologie 1986 Apr-Jun;39(2):XXX–XXXV (Fre)

[4th meeting of the Phlebology Section of the Dermatology Society of the German Democratic Republic. Abstracts] Phlebologie 1986 Apr-Jun;39(2):481–9 (Fre)

[Phlebology consultation services open to physicians] Phlebologie 1985 Jul-Sep;38(3):XXI–XXVI (Fre)

BLOOD

Lipid levels in high density lipoprotein subfractions in smokers with peripheral vascular disease. Dionysiou-Asteriou A, et al. Atherosclerosis 1985 Nov; 57(2-3):343–6

Concentration and chemical composition of plasma lipoprotein subfractions in patients with peripheral vascular disease. Evidence for normal apolipoprotein B but low cholesteryl ester content in small VLDL. Pauciullo P, et al. Atherosclerosis 1985 Dec;58(1-3):123–37

Blood viscosity—a comparative study on three rotational instruments. Ernst E, et al. Biorheology 1985;22(6):471–5

Level of plasma fibronectin in patients with peripheral vascular disease. Dionysiou-Asteriou A, et al. Clin Chim Acta 1985 Oct 31;152(1-2):79–83

Heparin-induced platelet aggregation in anorexia nervosa and in severe peripheral vascular disease. Mikhailidis DP, et al. Eur J Clin Invest 1985 Dec;15(6):313–9

Fibrinogen mediated activation of platelet aggregation and thromboxane A2 release: pathological implications in vascular disease. Mikhailidis DP, et al. J Clin Pathol 1985 Oct;38(10):1166–71

[Disorders in the release of plasminogen activators] Brommer EJ. Folia Haematol (Leipz) 1986;113(1-2):198–207 (Eng. Abstr.) (Ger)

CHEMICALLY INDUCED

High incidence of veno-occlusive disease related to indicine N-oxide in the treatment of refractory adult acute leukemia [letter] Winton EF, et al. Cancer Treat Rep 1986 Jul; 70(7):933–4

Circulatory collapse associated with hemin therapy for acute intermittent porphyria. Khanderia U. Clin Pharm 1986 Aug; 5(8):690–2

Vascular toxicity associated with antineoplastic agents. Doll DC, et al. J Clin Oncol 1986 Sep;4(9):1405–17 (174 ref.)

Pulmonary veno-occlusive disease after chemotherapy. Knight BK, et al. Thorax 1985 Nov;40(11):874–5

[Risks of contraception: vascular diseases] Genz HJ, et al. Ther Umsch 1986 May;43(5):388–91 (Eng. Abstr.) (Ger)

CLASSIFICATION

Classification of chronic venous disorders of lower extremities and pelvis. Sytchev GG. Int Angiol 1985 Apr-Jun;4(2):203–6

Cavernous hemangioma of the retina and retinal telangiectasis. Distinct or related vascular malformations? Giuffrè G. Retina 1985 Fall-Winter;5(4):221–4

[Classification of vascular diseases of the spinal cord] German DG, et al. Zh Nevropatol Psikhiatr 1985;85(9):1288–91 (Rus)

[Classification of vascular lesions of the brain and spinal cord] Shmidt EV. Zh Nevropatol Psikhiatr 1985;85(9):1281–8 (Rus)

COMPLICATIONS

Use of a steerable coronary guidewire facilitating catheterization of atherosclerotic and tortuous peripheral vessels. Leimgruber PP, et al. **Am J Cardiol** 1986 Jul 1; 58(1):187–9

Maturation of pulmonary input impedance spectrum in infants and children with ventricular septal defect. Lucas CL, et al. **Am J Cardiol** 1986 Apr 1;57(10):821–7

Pulmonary capillary hemangiomatosis. Magee F, et al. **Am Rev Respir Dis** 1985 Oct;132(4):922–5

Nephrotoxicity of cyclosporine in spontaneously hypertensive rats: effects on blood pressure and vascular lesions. Ryffel B, et al. **Clin Nephrol** 1986;25 Suppl 1:S193–8

Differentiation between idiopathic pulmonary fibrosis and interstitial pneumonia associated with collagen vascular diseases by comparison of the ratio of OKT4+ cells and OKT8+ cells in BALF T lymphocytes. Nagai S, et al. **Eur J Respir Dis** 1985 Jul;67(1):1–9

Differentiation between idiopathic pulmonary fibrosis and interstitial pneumonia associated with collagen vascular diseases by comparison of the ratio of OKT4+ cells and OKT8+ in BALF T-lymphocytes [letter] Pesci A, et al. **Eur J Respir Dis** 1986 Feb;68(2):155–6

Lupus glomerulonephritis with thrombotic microangiopathy. Magil AB, et al. **Hum Pathol** 1986 Feb;17(2):192–4

Aortic stenosis and gastrointestinal bleeding of unknown cause. Agarwal AK. **IMJ** 1986 Mar;169(3):169–71

Aortic stenosis associated with angiodysplasia [editorial] Shekleton MF. **IMJ** 1986 Mar;169(3):151

Vascular amyloid in a patient with multiple myeloma. Henry RB 3d, et al. **J Am Acad Dermatol** 1986 Aug;15(2 Pt 2):379–82

"Downhill" esophageal varices and occlusion of superior and inferior vena cavas due to a systemic venulitis. Maton PN, et al. **J Clin Gastroenterol** 1985 Aug;7(4):331–7

Unilateral septic cavernous sinus thrombosis. A case report with digital orbital venographic documentation. Fiandaca MS, et al. **J Clin Neuro Ophthalmol** 1986 Mar;6(1):35–8

Pseudo-acinhum, angiodysplasia and focal acral hyperkeratosis. Graham RM, et al. **J R Soc Med** 1985;78 Suppl 11:13–5

Vascular causes of vertebral asymmetry and the laterality of scoliosis. Taylor JR. **Med J Aust** 1986 May 12; 144(10):533–5 (19 ref.)

Why do frontal lobe symptoms predominate in vascular dementia with lacunes? Ishii N, et al. **Neurology** 1986 Mar; 36(3):340–5

Head and neck manifestations of collagen vascular diseases. Standefer JA Jr, et al. **Otolaryngol Clin North Am** 1986 Feb;19(1):181–210

Prevention of cardiac complications in peripheral vascular surgery. Cutler BS. **Surg Clin North Am** 1986 Apr; 66(2):281–92

Trigeminal neuralgia and hemifacial spasm caused by a tortuous vertebrobasilar system. Takamiya Y, et al. **Surg Neurol** 1985 Nov;24(5):559–62

Vascular source of impotence [letter] Massell TB. **West J Med** 1985 Sep;143(3):391

[Pathogenesis of clinico-histochemical characteristics of vascular nephrosclerosis] Zozuliak VI, et al. **Vrach Delo** 1986 May;(5):35–8 (Eng. Abstr.) **(Rus)**

[Vascular diseases and consumptive coagulopathy] Alcoba Leza M, et al. **Rev Clin Esp** 1986 May;178(9):451–4 (Eng. Abstr.) **(Spa)**

CONGENITAL

Pulsed Doppler flow characteristics of ductus arteriosus in infants with associated congenital anomalies of the heart or great arteries. Cloez JL, et al. **Am J Cardiol** 1986 Apr 1;57(10):845–51

Treatment of port wine stains with the CO2 laser. Dantow J, et al. **J Otolaryngol** 1986 Feb;15(1):35–8

DIAGNOSIS

Sonographic recognition of idiopathic arterial calcification of infancy. Rosenbaum DM, et al. **AJR** 1986 Feb; 146(2):249–50

MRI evaluation of mediastinal and thoracic inlet venous obstruction. Weinreb JC, et al. **AJR** 1986 Apr; 146(4):679–84

Doppler waveform analysis in the management of lower limb arterial disease. Campbell WB. **Ann R Coll Surg Engl** 1986 Mar;68(2):103–6

Cardiac tumours simulating collagen vascular disease. Fitzpatrick AP, et al. **Br Heart J** 1986 Jun;55(6):592–5

Transcutaneous oxygen recovery and toe pulse reappearance time in the assessment of peripheral vascular disease. Kram HB, et al. **Circulation** 1985 Nov;72(5):1022–7

Laser Doppler flowmetry: in the assessment of peripheral vascular disorders? A preliminary evaluation. Cochrane T, et al. **Clin Phys Physiol Meas** 1986 Feb;7(1):31–42

Diagnostic study of vascular lesions. Koman LA. **Hand Clin** 1985 May;1(2):217–31 (65 ref.)

Current status of noninvasive techniques in the diagnosis of upper extremity disorders. Part I. Evaluation of vascular competency. Koman LA. **Instr Course Lect** 1983;32:61–76

The value of segmental pressure measurement in the assessment of peripheral vascular disease. Belcaro G, et al. **Int Angiol** 1986 Jan–Mar;5(1):7–12

Identification of peripheral vascular disease with real-time ultrasonic imaging. Correa MC, et al. **Int Angiol** 1985 Apr–Jun;4(2):255–61

The computer as a tool in the diagnosis and treatment of peripheral vascular disease. Fulton TJ, et al. **Int Angiol** 1985 Jan–Mar;4(1):9–14

Lower limb systolic pressure measurements: technique and clinical applications. Yao JS, et al. **Int Angiol** 1985 Jan–Mar; 4(1):31–9 (66 ref.)

Doppler velocimetry: first choice diagnostic procedure in angiology. Fattori A, et al. **Ital J Surg Sci** 1986;16(1):41–5

Artifacts from pulsatile flow in MR imaging. Perman WH, et al. **J Comput Assist Tomogr** 1986 May–Jun;10(3):473–83

The noninvasive vascular laboratory. Part I: Technology (1). Jacocks MA, et al. **J Okla State Med Assoc** 1986 Mar; 79(3):165–9

Impedance plethysmography for screening vascular disorders [editorial] Jindal GD. **J Postgrad Med** 1986 Jan;32(1):1–3

Is intracavernous injection of papaverine a reliable screening test for vascular impotence? Buvat J, et al. **J Urol** 1986 Mar;135(3):476–8

How vascular surgeons use noninvasive testing. Baker JD. **J Vasc Surg** 1986 Sep;4(3):272–6

Is the vascular laboratory necessary in the management of venous disease? Browse NL. **J Vasc Surg** 1986 Mar; 3(3):481–5

Leiomyosarcoma of the inferior vena cava. Case report and review of the literature. Bruyninckx CM, et al. **J Vasc Surg** 1986 Apr;3(4):652–6

Nursing assesment and nursing diagnosis in patients with peripheral vascular disease. Herman JA. **Nurs Clin North Am** 1986 Jun;21(2):219–31 (15 ref.)

Diagnostic testing for peripheral vascular disease. Massey JA. **Nurs Clin North Am** 1986 Jun;21(2):207–18 (18 ref.)

Ultrasound in cerebral and peripheral vascular disease. Clinical applications. Halpern N. **Postgrad Med** 1985 Nov 1;78(6):137–43, 147–8

Peripheral vascular disease—the geriatrician's tale. Coni NK. **Postgrad Med J** 1985 Dec;61(722):1049–53

Peripheral vascular disease. Kreel L. **Postgrad Med J** 1985 Dec;61(722):1063–4

Duplex ultrasonography: its expanding role in noninvasive vascular diagnosis. Grant EG. **Radiol Clin North Am** 1985 Sep;23(3):563–82 (47 ref.)

The non-invasive vascular laboratories: where should they go? Gerlock AJ Jr. **Radiol Technol** 1985 Sep-Oct; 57(1):38–40

Percutaneous angioscopy. Work in progress. Ferris EJ, et al. **Radiology** 1985 Nov;157(2):319–22

Noninvasive evaluation of peripheral vascular disease: recent advances and future implications. Barnes RW. **South Med J** 1986 Jan;79(1):55–9

Differential diagnosis of arterial disease of the lower limb using Doppler ultrasound. Campbell WB, et al. **Ultrasound Med Biol** 1983;Suppl 2:257–62

[News in the diagnosis and therapy of vascular diseases.Impressions of the International Congress of Angiology (Athens, 1989)] Doichinov A, et al. **Khirurgiia (Sofiia)** 1986;39(2):82–5 **(Bul)**

[Venous ultrasound in current angiology practice] Tanitte M, et al. **J Mal Vasc** 1985;10(2):165–71 (Eng. Abstr.) **(Fre)**

[Echographic findings of orbital vascular anomalies in conjunctival congestion as a key symptom] Hasenfratz G. **Fortschr Ophthalmol** 1986;83(3):275–8 (Eng. Abstr.) **(Ger)**

[Quality assurance of Doppler sonographic procedures—educational concepts of medical programs] Schäfer RD. **Ultraschall Med** 1985 Oct;6(5):279–81 (Eng. Abstr.) **(Ger)**

[Use of B-image sonography in abdominal vascular diagnosis] Bittersohl A, et al. **Z Gesamte Inn Med** 1985 Jul 15; 40(14):424–7 (Eng. Abstr.) **(Ger)**

[Role of Doppler flowmetry and intravenous computerized angiography in the comparative study of various vascular disorders] Buonaiuto L, et al. **Ann Ital Chir** 1985; 57(5):373–83 **(Ita)**

[Reflected light rheography: a new non-invasive method in the study of phlebopathies] Vitacchiano G, et al. **Clin Ter** 1986 Mar 31;116(6):473–7 (Eng. Abstr.) **(Ita)**

[Gastrointestinal angiodysplasia] Marasini B, et al. **Recenti Prog Med** 1986 Mar;77(3):136–8 (Eng. Abstr.) **(Ita)**

[Ultrasonic dopplerography (USDG) in the diagnosis of diseases of the vessels of the lower extremities] Agadzhanova LP. **Vestn Akad Med Nauk SSSR** 1986; (2):83–9 (Eng. Abstr.) **(Rus)**

[Clinico-biochemical parallels in chronic alcoholics] Barabanchik VG, et al. **Vrach Delo** 1986 Apr;(4):85–7 (Eng. Abstr.) **(Rus)**

[Diagnosis of autonomic vascular dystonia] Zin'kovskiĭ AK. **Vrach Delo** 1985 Oct;(10):72–4 (Eng. Abstr.) **(Rus)**

[Possibilities and limitations of Doppler flowmeters in the study of angiodysplasias of the extremities] Stella A, et al. **Angiologia** 1986 Jan–Feb;38(1):42–50 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

The use of antithrombotic drugs in artery disease. Gallus AS. **Clin Haematol** 1986 May;15(2):509–39 (278 ref.)

Suppression of complement-mediated vascular injury at Arthus reaction sites by complement inhibitors. Asghar SS, et al. **Complement** 1986;3(1):40–8

Indoramin. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic efficacy in hypertension and related vascular, cardiovascular and airway diseases. Holmes B, et al. **Drugs** 1986 Jun; 31(6):467–99 (146 ref.)

Therapeutic defibrinogenation in peripheral vascular disease. Ernst E. **Int Angiol** 1985 Jul–Sep;4(3):373–7

Captopril in a case of severe congestive heart failure and peripheral vascular disease. Grant PK, et al. **Int J Cardiol** 1986 Apr;11(1):127–31

Clinical experiences with the treatment of peripheral vascular diseases. Kowal-Gierczak B, et al. **Mater Med Pol** 1986 Jan–Mar;18(1):24–8 (70 ref.)

Vasospasm in the neonate: response to tolazoline infusion. Heath RE Jr. **Pediatrics** 1986 Mar;77(3):405–8

Antiplatelet drugs in the management of patients with thrombotic disorders. Harker LA. **Semin Thromb Hemost** 1986 Apr;12(2):134–55 (155 ref.)

The use of sulodexide in the treatment of peripheral vasculopathy accompanying metabolic diseases. Controlled study in hyperlipidemic and diabetic subjects. Pisano L, et al. **Thromb Res** 1986 Jan 1;41(1):23–31

[Treatment of circulatory insufficiency with buflomedil chlorhydrate in chronic hemodialysis patients] Montemurro NE, et al. **Clin Ter** 1986 Mar 31;116(6):485–9 (Eng. Abstr.) **(Ita)**

[Platelet function inhibitors in peripheral arteriopathies] Strano A, et al. **Recenti Prog Med** 1986 Apr;77(4):205–9 (41 ref.) (Eng. Abstr.) **(Ita)**

[The erythrocyte as a potential container for directed transport of drugs to damaged parts of the circulatory bed] Samokhin GP, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1986;9(1):84–9 **(Rus)**

EMBRYOLOGY

Vascular steal: the pathogenetic mechanism producing sirenomelia and associated defects of the viscera and soft tissues. Stevenson RE, et al. **Pediatrics** 1986 Sep;78(3):451–7

ENZYMOLOGY

Calf muscle adaptation to peripheral vascular disease. Clyne CA, et al. **Cardiovasc Res** 1985 Aug;19(8):507–12

ETIOLOGY

Retroperitoneal fibrosis with large-vessel obstruction. An uncommon vascular disorder. Mathew CV, et al. **Acta Chir Scand** 1985;151(5):475–80

Late vascular complications of the subclavian dialysis catheter. Fant GF, et al. **Am J Kidney Dis** 1986 Mar; 7(3):225–8

Colonic vascular ectasias and aortic stenosis: coincidence or causal relationship? Greenstein RJ, et al. **Am J Surg** 1986 Mar;151(3):347–51

Intermittent positive-pressure hyperventilation with high inflation pressures produces pulmonary microvascular injury in rats. Dreyfuss D, et al. **Am Rev Respir Dis** 1985 Oct;132(4):880–4

Inferior vena cava obstruction secondary to adenocarcinoma of the prostate. Role of orchiectomy in treatment. Benderev TV, et al. **Arch Intern Med** 1986 Mar;146(3):598–9

Entrapment of the median nerve and brachial artery after supracondylar fractures of the humerus in children. Karlsson J, et al. **Arch Orthop Trauma Surg** 1986; 104(6):389–91

Fragment D-dimer levels: an objective marker of vaso-occlusive crisis and other complications of sickle cell disease. Devine DV, et al. **Blood** 1986 Jul;68(1):317–9

The association of dyslipoproteinemia with symptoms and signs of peripheral arterial disease. The Lipid Research Clinics Program Prevalence Study. Pomrehn P, et al. **Circulation** 1986 Jan;73(1 Pt 2):I100–7

Inapparent pulmonary vascular disease in an ex-heroin user. Antonelli Incalzi R, et al. **Clin Nucl Med** 1986 Apr; 11(4):266–9

Major complications of central venous catheterisation: a report of five cases and a brief review of the literature. Gibson RN, et al. **Clin Radiol** 1985 Mar;36(2):205–8

Intestinal ischemia due to vascular elastosis caused by metastasizing carcinoid tumor of Meckel's diverticulum. Palvio DH, et al. **Dis Colon Rectum** 1985 Oct;28(10):746–8

The "functional" popliteal entrapment syndrome.Rignault DP, et al. **Int Angiol** 1985 Jul–Sep;4(3):341–3

Angioplasty-induced vasospasm in rabbit model. Mechanisms and treatment. LeVeen RF, et al. **Invest Radiol** 1985 Dec; 20(9):938–44

The effects of walnuts on Behcet's syndrome in two sisters [letter] Kikuchi I. **J Dermatol (Tokyo)** 1985 Jun;12(3):290–1

Assessment of vascular involvement in hypertension. Doyle AE. **J Hypertension [Suppl]** 1985 Nov;3(2):S37–9

Diffusion barriers in venous ulceration [letter] **J R Soc Med** 1985 Sep;78(9):788–90

Cutaneous microvasculopathy in rheumatoid arthritis [letter] González T, et al. **J Rheumatol** 1985 Dec;12(6):1206–7

Magnesium, lipids and vascular diseases. Experimental evidence in animal models. Rayssiguier Y. **Magnesium** 1986; 5(3–4):182–90 (52 ref.)

Chemical blockade of the reticuloendothelial system results in arteriolar spasms: possible role of endothelial cells. Altura BM, et al. **Microcirc Endothelium Lymphatics** 1985 Apr;2(2):151–9

Selenium-induced cell migration and proliferation: relevance

to angiogenesis and microangiopathy. McAuslan BR, et al. **Microvasc Res** 1986 Jul;32(1):112–20

Lipids, glucose intolerance and vascular disease: the Framingham Study. Wilson PW, et al. **Monogr Atheroscler** 1985;13:1–11

Popliteal vein compression by a fibular osteochondroma. A case report. Kraus RA, et al. **Pediatr Radiol** 1986; 16(2):173–4

Association between cutaneous occlusive vascular disease, cigarette smoking, and skin slough after rhytidectomy. Riefkohl R, et al. **Plast Reconstr Surg** 1986 Apr;77(4):592–5

Laser-induced vascular lesions by cw-NdYAG or pulsed UV lasers during angioplastic procedures. Wollenek G, et al. **Thorac Cardiovasc Surg** 1986 Feb;34(1):63–5

[Fluorescent compounds in drinking water of blackfoot disease endemic areas: animal experimental model] Lu FJ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Apr;85(4):352–8 (Eng. Abstr.) (Chi)

[Evaluation of factors promoting vascular calcinosis in long-term hemodialysis patients] Renaud H, et al. **Arch Mal Coeur** 1985 Oct;78(11):1696–700 (Eng. Abstr.) (Fre)

[Severe arterial complications of radiosurgical treatment of uterine cancer. Apropos of 7 cases] Dauplat J, et al. **J Chir (Paris)** 1985 May;122(5):347–53 (Eng. Abstr.) (Fre)

[How to explore the microangiopathy of collagen diseases] Priollet P. **J Mal Vasc** 1985;10(4):281–5 (Eng. Abstr.) (Fre)

[Peripheral vascular manifestations and osteoarticular changes in mine drillers and lumber workers] Lo Monaco C, et al. **G Ital Med Lav** 1984 Sep–Nov;6(5–6):251–7 (Eng. Abstr.) (Ita)

[Smooth muscle cells of blood vessels in response to vibration] Zbuk NN. **Arkh Anat Gistol Embriol** 1985 Oct; 89(10):61–3 (Eng. Abstr.) (Rus)

[Transplantation angiopathies and vasculitis after allogeneic grafting of cadaver kidney to humans] Ivanov AE, et al. **Arkh Patol** 1986;48(5):75–81 (Eng. Abstr.) (Rus)

[Clinico-rheovasographic and rheoencephalographic parallels in vibration pathology] Asadullaev MM. **Gig Tr Prof Zabol** 1985 Sep;(9):39–41 (Rus)

[Sequelae of prolonged cooling of the upper and lower extremities] Borovkov SA, et al. **Klin Med (Mosk)** 1986 May;64(5):100–3 (Rus)

[Angiodysplasia of the colon and chronic renal insufficiency (letter)] García Ruiz C, et al. **Med Clin (Barc)** 1985 Sep 28;85(9):387 (Spa)

[Chronological incidence of vaso-occlusive crises in hemoglobinopathy S] González-Pérez JJ, et al. **Sangre (Barc)** 1986;31(3):303–6 (Eng. Abstr.) (Spa)

HISTORY

Origins of the concept of collagen-vascular diseases. Reynolds MD. **Semin Arthritis Rheum** 1985 Nov; 15(2):127–31

IMMUNOLOGY

A unique case of sarcoidosis with coexistent collagen vascular disease. Possible result of a compatible disease-sustaining immunologic environment. Aronson PJ, et al. **J Am Acad Dermatol** 1985 Nov;13(5 Pt 2):886–91

Cutaneous delayed hypersensitivity, T cell subsets, and IL-2 secretion in patients with peripheral vascular disease. Ulrich F, et al. **J Clin Lab Immunol** 1985 Nov;18(3):107–12

METABOLISM

Connective tissue proteins on the injured endothelium of the rat aorta. Kerényi T, et al. **Exp Mol Pathol** 1985 Oct; 43(2):151–61

NURSING

Peripheral vascular dysfunction. **Nurs Clin North Am** 1986 Jun;21(2):193–272

Health education and the patient with peripheral vascular disease. Beaver BM. **Nurs Clin North Am** 1986 Jun; 21(2):265–72

Nursing intervention in patients with peripheral vascular disease. Turner J. **Nurs Clin North Am** 1986 Jun; 21(2):233–40 (19 ref.)

OCCURRENCE

Malignant neoplasms among residents of a blackfoot disease-endemic area in Taiwan: high-arsenic artesian well water and cancers. Chen CJ, et al. **Cancer Res** 1985 Nov; 45(11 Pt 2):5895–9

Peripheral vascular disease in a prison population. Pejic R. **Indiana Med** 1985 Dec;78(12):1090–2

Prevalence of asymptomatic peripheral vascular disease in a group of patients older than 50 [letter] Lombardi G, et al. **J Am Geriatr Soc** 1986 Jul;34(7):551–2

[Status of peripheral hemodynamics among persons whose work involves little activity] Velitskaia LA. **Gig Tr Prof Zabol** 1985 Dec;(12):12–5 (Eng. Abstr.) (Rus)

PATHOLOGY

Similarities between the Forssman carotid syndrome and experimental allergic encephalomyelitis. Tsukada N, et al. **Acta Neuropathol (Berl)** 1986;69(3–4):234–43

Subclinical pulmonary involvement in collagen-vascular diseases assessed by bronchoalveolar lavage. Relationship between alveolitis and subsequent changes in lung function. Wallaert B, et al. **Am Rev Respir Dis** 1986 Apr; 133(4):574–80

Light and electron microscopic findings in POEMS, or Japanese multisystem syndrome. Semble EL, et al. **Arthritis Rheum** 1986 Feb;29(2):286–91

Renal allograft rejection: immunohistochemistry of inflammatory cellular subsets and vascular lesions. Matturri L, et al. **Basic Appl Histochem** 1986;30(2):267–77

Amyloid angiopathy combined with granulomatous angiitis of the central nervous system: report on two patients. Probst A, et al. **Clin Neuropathol** 1985 Nov-Dec;4(6):250–9

Further diseases manifesting a uniform vascular response to different aetiological factors [letter] Beranek JT, et al. **Histopathology** 1985 Sep;9(9):1015–6

Pulmonary veno-occlusive disease: involvement of pulmonary arteries and review of the literature. Wagenvoort CA, et al. **Hum Pathol** 1985 Oct; 16(10):1033–41

Branch macular vein occlusion: a photographic essay. Williams TD. **J Am Optom Assoc** 1986 Jul;57(7):537–9

Intravenous pyogenic granuloma of the hand. Anderson WJ. **J Hand Surg [Am]** 1985 Sep;10(5):728–9

Spontaneous resolution of a central vascular lesion of the mandible following needle aspiration. Nelson CL, et al. **J Oral Maxillofac Surg** 1986 Sep;44(9):731–4

Development of retinal neovascularisation in vascular occlusive disease. Manschot WA, et al. **Trans Ophthalmol Soc UK** 1985;104 (Pt 8):880–6

PHYSIOPATHOLOGY

Acetylcholine-induced pulmonary vasodilation in lung vascular injury. Feddersen CO, et al. **Am Rev Respir Dis** 1986 Feb;133(2):197–204

Vascular distensibility and vascular surgery. Van de Water JM, et al. **Am Surg** 1985 Dec;51(12):708–15

The accuracy of "pull-through" pressure measurements and papaverine testing. Baker AR, et al. **Angiology** 1985 Sep; 36(9):638–45

Instrumental evaluation of the venous circulation in the arteriopathic subjects. Bartolo M, et al. **Angiology** 1985 Oct; 36(10):711–4

Haemorheological markers in 89 patients with stage II peripheral vascular disease (PVD). Ciuffetti G, et al. **Angiology** 1986 Jun;37(6):460–6

Atherosclerosis in vascular grafts for peripheral vascular disease. Part 2. Synthetic arterial prostheses. Walton KW, et al. **Atherosclerosis** 1986 Aug;61(2):155–67

Peripheral resistance measurement in the assessment of severe peripheral vascular disease. Parvin SD, et al. **Br J Surg** 1985 Sep;72(9):751–3

Third meeting of the Working Group on Peripheral Circulation. Palermo, September 6–8, 1984. **Int Angiol** 1985 Oct–Dec;4(4 Suppl):1–197

Pathophysiology related to peripheral vascular disease. Wagner MM. **Nurs Clin North Am** 1986 Jun;21(2):195–206 (21 ref.)

Spontaneous dissection of the extracranial vertebral arteries. Caplan LR, et al. **Stroke** 1985 Nov-Dec;16(6):1030–8

[Significance of hemodynamics and hemorheology in microcirculation disorders] Ernst FD. **Z Gesamte Inn Med** 1986 Feb 1;41(3):63–8 (Eng. Abstr.) (Ger)

PREVENTION & CONTROL

Distal in situ vein bypass torsion—a technique to avoid it. Corson JD, et al. **J Vasc Surg** 1986 Aug;4(2):199–200

PSYCHOLOGY

Psychosocial considerations in peripheral vascular disease. Cause or effect? Ekers MA. **Nurs Clin North Am** 1986 Jun; 21(2):255–63 (17 ref.)

RADIOGRAPHY

Localised popliteal artery abnormalities in otherwise fit young adults. Cowan I. **Australas Radiol** 1985 Aug; 29(3):268–72

Pseudohypertension; the radiologist's role. Storey PJ, et al. **Australas Radiol** 1985 Aug;29(3):232–3

Vascular complications of osteochondroma. Vallance R, et al. **Clin Radiol** 1985 Nov;36(6):639–42

Digital subtraction angiography in cerebral and peripheral vascular diseases. Passariello R, et al. **Monogr Atheroscler** 1986;14:101–6

Peripheral vascular disease: prospective study of intrasarterial digital subtraction angiography using a 9-inch intensifier. Garvey CJ, et al. **Radiology** 1986 May;159(2):423–7

[Quantification of vascular stenoses using digital subtraction angiography] Herter M, et al. **ROFO** 1985 Dec; 143(6):650–5 (Eng. Abstr.) (Ger)

[Importance of leg phlebography for the diagnosis of venous diseases. Indications, technic and potential value] Kretzschmar U, et al. **Rontgenpraxis** 1986 May;39(5):159–66 (Ger)

[Digital arteriography. Critical findings after 3 years' use] Pietri P, et al. **Minerva Chir** 1986 Mar 31;41(5–6):283–90 (Ita)

RADIONUCLIDE IMAGING

Right pulmonary vein occlusion detected by ventilation-perfusion lung scanning. Hartshorne MF, et al. **Clin Nucl Med** 1985 Nov;10(11):827–8

Hepatic localization of Tc-99m MAA in inferior vena cava obstruction. Vea HW, et al. **Clin Nucl Med** 1985 Nov; 10(11):772–6

The value of isotope angiography in the diagnosis and management of vascular disease. Nee JM, et al. **Ir J Med Sci** 1986 May;155(5):147–9

SURGERY

Comparison of initial limb salvage in 98 consecutive patients with either reversed autogenous or in situ vein bypass graft procedures. Hurley JJ, et al. **Am J Surg** 1985 Dec; 150(6):777–81

Reconstructive vascular surgery below the knee. Rasmussen LB, et al. **Ann Chir Gynaecol** 1986;75(1):20–2

Intravenous digital subtraction angiography in patients with suspected bypass graft occlusion following surgery for peripheral vascular disease. Butler P, et al. **Br J Radiol** 1986 Apr;59(700):329–32

Vascular Surgical Society of Great Britain and Ireland. Meeting. London, 28–29 November 1985. Abstracts. **Br J Surg** 1986 Apr;73(4):318–23

Late results of coronary bypass in patients with peripheral vascular disease. I. Five-year survival according to age and clinical cardiac status. Hertzer NR, et al. **Cleve Clin Q** 1986 Summer;53(2):133–43

Late outcome of untreated asymptomatic carotid disease following cardiovascular operations. Barnes RW, et al. **J Vasc Surg** 1985 Nov;2(6):843–9

Adjunctive use of the balloon dilatation catheter during vascular reconstructive procedures. Pfeiffer RB Jr, et al. **J Vasc Surg** 1986 Jun;3(6):841–5

New approaches to the diagnosis and treatment of venous obstruction. Raju S. **J Vasc Surg** 1986 Jul;4(1):42–54

Therapeutic regimen of septic vascular complications in kidney grafting. Buchholz B, et al. **Scand J Urol Nephrol [Suppl]** 1985;92:71–3

[Primary vascular leiomyosarcoma] Jin QF, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Nov;23(11):694–6, 704 (Eng. Abstr.) (Chi)

[Dobutamine in vascular surgery] Muchada R, et al. **Cah Anesthesiol** 1986 May;34(3):213–20 (Eng. Abstr.) (Fre)

[Prophylactic antibiotic therapy using oxacillin in peripheral vascular surgery of the lower limbs. Preliminary results] Canton P, et al. **Pathol Biol (Paris)** 1985 Jun;33(5 Pt 2):600–2 (Eng. Abstr.) (Fre)

[Dosage and possibilities for controlling thrombosis prevention with low-dose heparin] Busch M, et al. **Anaesthesist** 1986 Apr;35(4):234–5 (Eng. Abstr.) (Ger)

[Experiences with 2 years of quality control following general and vascular surgery in 3193 patients] Grundmann R, et al. **Chirurg** 1985 Sep;56(9):573–8 (Eng. Abstr.) (Ger)

[Vascular prostheses] Müller-Wiefel H. **Chirurg** 1986 Feb; 57(2):64–71 (Ger)

[Various aspects of reconstructive surgery of the aorta and major arteries] Petrovskiĭ BV, et al. **Klin Med (Mosk)** 1986 Jan;64(1):38–43 (Eng. Abstr.) (Rus)

THERAPY

The effects of introducing balloon dilatation into vascular surgical practice. Jeans WD, et al. **Br J Radiol** 1986 May; 59(701):457–9

A comparison of the costs of vascular surgery and balloon dilatation in lower limb ischaemic disease. Jeans WD, et al. **Br J Radiol** 1986 May;59(701):453–6

The impact of percutaneous transluminal angioplasty on the management of peripheral vascular disease. Anderson JB, et al. **Br J Surg** 1986 Jan;73(1):17–9

Graduated elastic stockings [letter] **Br Med J [Clin Res]** 1986 Aug 16;293(6544):447–8

Interventional neuroradiology: Henry Ford Hospital experience with nonembolization procedures. Jack CR Jr, et al. **Henry Ford Hosp Med J** 1986;34(1):11–8

Hyperbaric oxygenation in treatment of peripheral vascular disorders. Yephuny SN, et al. **Int Angiol** 1985 Apr–Jun; 4(2):207–9

Experimental endovascular reinforcement. Cesarini K, et al. **Neuroradiology** 1986;28(1):78–80

Treatment modalities in peripheral vascular disease. Doyle JE. **Nurs Clin North Am** 1986 Jun;21(2):241–53 (29 ref.)

The use of detachable balloons in neuroradiology. Riche MC, et al. **Radiat Med** 1984 Jul–Sep;2(3):151–9

[Indications, procedures and choice of embolization material in transcatheter vascular occlusion] Vogel H, et al. **Rontgenblatter** 1985 Aug;38(8):265–9 (Eng. Abstr.) (Ger)

[Microcirculatory aspects] Leu HJ, et al. **Vasa** 1985; 14(4):319–20 (Ger)

[Treatment of patients with disorders of spinal circulation using physical factors] Musaev AV, et al. **Zh Nevropatol Psikhiatr** 1985;85(8):1155–62 (Eng. Abstr.) (Rus)

URINE

[Disorders of creatine metabolism in vibration disease] Artamonova VG, et al. **Gig Tr Prof Zabol** 1985 Sep;(9):10–2

(Eng. Abstr.) (Rus)

VETERINARY

Liver function tests in dogs with portosystemic shunts: measurement of serum bile acid concentration. Meyer DJ. **J Am Vet Med Assoc** 1986 Jan 15;188(2):168–9

Atypical portosystemic shunt in a cat. Ware WA, et al. **J Am Vet Med Assoc** 1986 Jan 15;188(2):187–8

VASCULAR GRAFT OCCLUSION see GRAFT OCCLUSION, VASCULAR

VASCULAR GRAFT PATENCY see GRAFT OCCLUSION, VASCULAR

VASCULAR HEADACHE

BLOOD

Reduced testosterone levels in cluster headache: a stress-related phenomenon? Facchinetti F, et al. **Cephalalgia** 1986 Mar;6(1):29–34

Growth hormone and prolactin levels in the course of metoclopramide test in headache patients. Klimek A. **Endokrynol Pol** 1985;36(1):19–27

CHEMICALLY INDUCED

Lithium-triggered chronic cluster headache. Brainin M, et al. **Headache** 1985 Oct;25(7):394–5

[Headaches in female workers in the rubber industry exposed to benzene vapors] Polakowska B. **Med Pr** 1985; 36(2):139–44 (Eng. Abstr.) (Pol)

CLASSIFICATION

On the classification of cluster headache [editorial] Sjaastad O. **Cephalalgia** 1986 Jun;6(2):65–8

COMPLICATIONS

Anterior ischaemic optic neuropathy secondary to cluster headache. Toshniwal P. **Acta Neurol Scand** 1986 Feb; 73(2):213–8

Recurrent VI nerve palsy in cluster headache. Peatfield RC. **Headache** 1985 Sep;25(6):325–7

DIAGNOSIS

Dexamethasone suppression test in cluster headache. Devoize JL, et al. **Headache** 1986 Mar;26(3):126–7

[2 patients with headache] Wentges RT. **Ned Tijdschr Geneeskd** 1985 Nov 9;129(45):2145–7 (Dut)

[Dexamethasone test in cluster headache] Devoize JL, et al. **Encephale** 1985 Nov–Dec;11(6):273 (Eng. Abstr.) (Fre)

[Cluster headache] Wentges RT, et al. **HNO** 1986 Jul; 34(7):291–5 (Eng. Abstr.) (Ger)

DRUG THERAPY

Dihydroergotamine nasal spray in the treatment of attacks of cluster headache. A double-blind trial versus placebo. Andersson PG, et al. **Cephalalgia** 1986 Mar;6(1):51–4

Clinical pharmacokinetics of ergotamine in migraine and cluster headache. Perrin VL. **Clin Pharmacokinet** 1985 Jul–Aug;10(4):334–52 (45 ref.)

Migraine and cluster headache treatment with calcium antagonists supports a vascular pathogenesis. Meyer JS, et al. **Headache** 1985 Oct;25(7):358–67

Trigeminal cistern glycerol injections for facial pain. Waltz TA, et al. **Headache** 1985 Oct;25(7):354–7

Treatment of migraine [letter] **Med J Aust** 1986 Apr 14; 144(8):443–4

Medical treatment of trigeminal neuralgia and cluster headache. Green MW. **Psychosomatics** 1985 Dec;26(12 Suppl):19–23

Calcium channel blockers in the treatment of vascular headaches. Meyer JS. **Ration Drug Ther** 1985 Mar;19(3):1–4

[Lithium therapy in cluster headache] Wentges RT. **Ned Tijdschr Geneeskd** 1985 Nov 9;129(45):2155–7 (Dut)

[Treatment of Horton's headache with testosterone] Klimek A. **Neurol Neurochir Pol** 1985 Nov–Dec;19(6):486–9 (Eng. Abstr.) (Pol)

ETIOLOGY

Limbic involvement may occur in cluster headache [letter] Joseph R. **Arch Neurol** 1986 Sep;43(9):866

An association between cluster headache and herpes simplex [letter] Hardebo JE. **N Engl J Med** 1986 Jan 30;314(5):316

[Pathomechanisms of pain attacks in Horton's headache (cluster headache)] Bogucki A, et al. **Neurol Neurochir Pol** 1985 Jul–Aug;19(4):308–11 (Eng. Abstr.) (Pol)

FAMILIAL & GENETIC

Genetic markers of cluster headache and the links with the lithium salts therapy. Giacovazzo M, et al. **Int J Clin Pharmacol Res** 1986;6(1):19–22

IMMUNOLOGY

A new immunological aspect of cluster headache: the increase of monocyte and NK cell populations. Giacovazzo M, et al. **Headache** 1986 Mar;26(3):134–6

[Immunoglobulins and the complement system in Horton's headache] Klimek A. **Neurol Neurochir Pol** 1985 Jul–Aug; 19(4):295–301 (Eng. Abstr.) (Pol)

METABOLISM

Substance P mechanism in cluster headache: evaluation in plasma and cerebrospinal fluid. Sicuteri F, et al. **Cephalalgia** 1985 Sep;5(3):143–9

PHYSIOPATHOLOGY

Onset of nocturnal attacks of chronic cluster headache in relation to sleep stages. Pfaffenrath V, et al. **Acta Neurol Scand** 1986 Apr;73(4):403–7

Cluster headache syndrome: interrelationship of autonomic phenomena and pain. Sjaastad O, et al. **Cephalalgia** 1986 Mar;6(1):3–5

Comparing classical Horner's syndrome and the "partial syndrome" in cluster headache [letter] Vijayan N. **Cephalalgia** 1986 Jun;6(2):125–6

Visual evoked potentials in cluster headache: central structures involvement. Boiardi A, et al. **Headache** 1986 Feb;26(2):70–3

Brainstem auditory evoked potential (BAEPs) in cluster headache (CH): new aspects for a central theory. Bussone G, et al. **Headache** 1986 Feb;26(2):67–9

Quasi phantom eye pain: an evolution of the substance P theory of cluster headache. Sicuteri F. **Headache** 1985 Nov; 25(8):447–51

Activation of trigeminal brain-stem nociceptive neurons by dural artery stimulation. Davis KD, et al. **Pain** 1986 Jun; 25(3):395–401

[Primary headache (vasomotor headache, migraine, cluster headache) and its relation to EEG and epilepsy] Ketz E. **Ther Umsch** 1986 Mar;43(3):178–82 (Eng. Abstr.) (Ger)

SURGERY

Surgical decompression of the facial nerve in the treatment of chronic cluster headache. Solomon S, et al. **Arch Neurol** 1986 May;43(5):479–82

Surgical treatment of chronic cluster headache. Onofrio BM, et al. **Mayo Clin Proc** 1986 Jul;61(7):537–44

Surgical treatment of trigeminal neuralgia and cluster headache. Apfelbaum RI. **Psychosomatics** 1985 Dec;26(12 Suppl):24–9

THERAPY

Pain relief for chronic cluster headache. Edmeads J. **Headache** 1985 Oct;25(7):399

[Therapy of pulsating temporal headache. Resection of the superficial temporal artery] Hankemeier U. **Fortschr Med** 1985 Sep 19;103(35):822–4 (Eng. Abstr.) (Ger)

[Cluster headache and chronic paroxysmal hemicrania—effectiveness of oxygen inhalation] Heckl RW. **Nervenarzt** 1986 May;57(5):311–3 (Eng. Abstr.) (Ger)

VASCULAR RESISTANCE

Venous reactivity and pregnancy abnormalities. Goodlin RC. **Acta Obstet Gynecol Scand** 1986;65(4):345–8

Effects of high and low sodium diets on the resistance vessels and their adrenergic vasoconstrictor fibre control in normotensive (WKY) and hypertensive (SHR) rats. Nilsson H, et al. **Acta Physiol Scand** 1985 Oct;125(2):323–34

Changes in regional cerebrovascular resistance during partial cerebral ischemia in rats. Hudetz AG, et al. **Adv Exp Med Biol** 1985;191:111–20

Altered sensitivity to increases in vascular resistance in rats with hypertension and myocardial infarction. Fletcher PJ, et al. **Am Heart J** 1986 Jan;111(1):120–7

Effect of pulmonary artery distention on systemic vascular resistance in newborn lambs. Milstein JM, et al. **Am J Cardiol** 1985 Oct 1;56(10):681–4

Regulation of coronary resistance vessels and large coronary arteries. Vatner SF. **Am J Cardiol** 1985 Sep 18; 56(9):16E–22E (32 ref.)

Leg static pressure values in pregnant women with iatrogenic pulmonary edema. Goodlin RC. **Am J Obstet Gynecol** 1986 Mar;154(3):634–5

Technique for continuous measurement of compliance in isolated vascular segments. Bell LB, et al. **Am J Physiol** 1986 Jan;250(1 Pt 2):R142–9

Validation of optional elastance-resistance left vestricle pump models. Campbell KB, et al. **Am J Physiol** 1986 Aug; 251(2 Pt 2):H382–97

Changes in cardiac output and vascular resistance during behavioral stress in the rat. Hubbard JW, et al. **Am J Physiol** 1986 Jul;251(1 Pt 2):R82–90

Stretch-dependent (myogenic) tone in rabbit ear resistance arteries. Hwa JJ, et al. **Am J Physiol** 1986 Jan;250(1 Pt 2):H87–95

Humoral factors may mediate increased rat hindquarter blood flow in portal hypertension. Korthuis RJ, et al. **Am J Physiol** 1985 Oct;249(4 Pt 2):H827–33

Localization of intrahepatic portal vascular resistance. Lautt WW, et al. **Am J Physiol** 1986 Sep;251(3 Pt 1):G375–81

Estimation of total arterial compliance: an improved method and evaluation of current methods. Liu Z, et al. **Am J Physiol** 1986 Sep;251(3 Pt 2):H588–600

Denervation increases myogenic tone in a resistance artery in the growing rabbit ear. Mangiarua EI, et al. **Am J Physiol** 1986 May;250(5 Pt 2):H889–91

Distribution of lung vascular resistance after chronic systemic-to-pulmonary shunts. Michel RP, et al. **Am J Physiol** 1985 Dec;249(6 Pt 2):H1106–13

Increased arteriolar wall-to-lumen ratio in a normotensive vascular bed in coarctation hypertension. Plunkett WC, et al. **Am J Physiol** 1985 Oct;249(4 Pt 2):H859–66

Interaction of flow and resistance in maintenance of portal hypertension in a rat model. Sikuler E, et al. **Am J Physiol** 1986 Feb;250(2 Pt 1):G205–12

Decreased arterial elasticity associated with cardiovascular disease risk factors in the young. Bogalusa Heart Study. Riley WA, et al. **Arteriosclerosis** 1986 Jul–Aug;6(4):378–86

Effects of perfusion and endothelium on the reactivity of isolated resistance arteries. Tesfamariam B, et al. **Blood Vessels** 1985;22(6):301–5

Acetylcholine output and foetal vascular resistance of human perfused placental cotyleda. Boura AL, et al. **Br J Pharmacol** 1986 Jun;88(2):301–6

Compliance changes in in-situ femoropopliteal bypass vein grafts. Beard JD, et al. **Br J Surg** 1986 Mar;73(3):196–9

Peripheral resistance measurement in the assessment of severe peripheral vascular disease. Parvin SD, et al. **Br J Surg** 1985 Sep;72(9):751–3

Haemoglobin concentration and linear cardiac output, peripheral resistance, and oxygen transport. Daniel MK, et al. **Br Med J [Clin Res]** 1986 Apr 5;292(6525):923–6

Rostral pontine and caudal mesencephalic control of arterial pressure and iliac, celiac and renal vascular resistance. II. Separate control and topographic organization. Darlington DN, et al. **Brain Res** 1985 Dec 30;361(1–2):301–8

Rostral pontine and caudal mesencephalic control of arterial pressure and iliac, celiac and renal vascular resistance. I. Anatomic regions. Darlington DN, et al. **Brain Res** 1985 Dec 30;361(1–2):284–300

Pulmonary vascular reactivity. Deckers, Colorado, October 10–12, 1984. Reeves JT, et al. **Bull Eur Physiopathol Respir** 1985 Nov–Dec;21(6):583–90

Ionic regulation of peripheral vascular tone and its interaction with norepinephrine. Prasad K, et al. **Can J Cardiol** 1985 May–Jun;1(3):201–6

Elevated coronary vascular resistance in the presence of reduced resting blood flow distal to a severe coronary stenosis. Most AS, et al. **Cardiovasc Res** 1985 Oct; 19(10):599–605

Systolic decay time. A noninvasive technic used in evaluating systemic arterial resistance. Qi WL, et al. **Chin Med J [Engl]** 1984 Dec;97(12):913–8

Augmented cardiopulmonary baroreflex control of forearm vascular resistance in young athletes. Takeshita A, et al. **Circ Res** 1986 Jul;59(1):43–8

Evaluation of cardiac output, total peripheral vascular resistance, and plasma concentrations of vasopressin in the conscious, unrestrained rat during endotoxemia. Brackett DJ, et al. **Circ Shock** 1985;17(4):273–84

Pharmacologic manipulation of the peripheral vasculature in shock: clinical and experimental approaches. Chernow B, et al. **Circ Shock** 1986;18(2):141–55 (116 ref.)

Coronary and peripheral vascular resistance in the anaesthetized diabetic sheep. Hoffman L, et al. **Clin Exp Pharmacol Physiol** 1985 Sep–Oct;12(5):495–503

Abnormal vascular function and morphology in pre-eclampsia: a study of isolated resistance vessels. Aalkjaer C, et al. **Clin Sci** 1985 Oct;69(4):477–82

Evaluation of an isotope washout technique to measure skin vascular resistance and skin perfusion pressure: influence of age, site and arterial surgery. Duncan HJ, et al. **Clin Sci** 1986 Mar;70(3):249–55

The impact of treatment on insulin release and relative peripheral resistance during the oral glucose tolerance test. A study of noninsulin-dependent diabetes mellitus and glucose intolerance. Cederholm J, et al. **Diabete Metab** 1986 Feb;12(1):10–5

Vascular resistance. Bertand ME, et al. **Eur Heart J** 1985 Oct;6 Suppl C:19

Redox status in the control of pulmonary vascular tone. Archer SL, et al. **Herz** 1986 Jun;11(3):127–41

Impedance of the arterial system and cardiac activity. Karpman VL, et al. **Hum Physiol** 1985 Jul–Aug;11(4):274–8

Localization of vascular resistance changes during hypertension. Bohlen HG. **Hypertension** 1986 Mar; 8(3):181–3

Power dissipation as a measure of peripheral resistance in vascular networks. Borders JL, et al. **Hypertension** 1986 Mar;8(3):184–91

Evaluation of pulmonary vascular resistance in the presence of a large pulmonary arteriovenous malformation. Vincent RN, et al. **J Am Coll Cardiol** 1986 May;7(5):1104–6

Hypoxemia lowers cerebrovascular resistance without changing brain and blood [H+]. Javaheri S. **J Appl Physiol** 1986 Mar;60(3):802–8

Pulmonary vascular resistance in the fluorocarbon-filled lung. Lowe CA, et al. **J Appl Physiol** 1986 Jan;60(1):154–9

Nature and distribution of vascular resistance in hypoxic pig lungs. Rock P, et al. **J Appl Physiol** 1985 Dec; 59(6):1891–901

Neurogenic responses in resistance vessels: roles of alpha 1- and alpha 2-adrenoceptors, transmitter reuptake, ouabain, and plasma factors. Nilsson H, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 6:S76–8

Calf blood flow and vascular resistance in borderline

hypertensives in comparison with control subjects. Novo S, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 5:S122–4
Cerebral vascular resistance following platelet and leukocyte removal from perfusate. Kintner DB, et al.
J Cereb Blood Flow Metab 1986 Feb;6(1):52–8
Evidence using human arterial tissue for a circulating vascular sensitizing agent in essential hypertension. Cappuccio FP, et al. **J Clin Endocrinol Metab** 1986 Aug; 63(2):463–7
Interaction of cardiopulmonary and carotid baroreflex control of vascular resistance in humans. Victor RG, et al. **J Clin Invest** 1985 Oct;76(4):1592–8
Arterial pulse wave velocity: a limited index of systemic vascular resistance during normotensive anesthesia in dogs. Greene ES, et al. **J Clin Monit** 1985 Oct;1(4):219–26
An index of peripheral vascular resistance. Walsh JT, et al. **J Hypertens** 1985 Dec;3(6):631–7
Evaluation of an index of peripheral vascular resistance in human subjects. Walsh JT, et al. **J Hypertens** 1985 Dec; 3(6):621–9
Characteristics of resistance vessels in pre-eclampsia and normotensive pregnancy. Aalkjaer C, et al.
J Hypertension [Suppl] 1984 Dec;2(3):S183–5
Endothelial cell loss enhances the pressor response in resistance vessels. Criscione L, et al.
J Hypertension [Suppl] 1984 Dec;2(3):S441–4
Stroke volume—pulse pressure relationships in borderline hypertension: a possible indicator of decreased arterial compliance. Ferguson JJ, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S397–9
Changes in regional vascular resistance in canine aortic coarctation. Liard JF, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S375–7
The effect of pregnancy on the changes in hind–limb vascular resistance following haemorrhage in the rabbit. Humphreys PW, et al. **J Physiol (Lond)** 1986 Mar;372:63–73
Stimulation of pulmonary C fibres decreases coronary arterial resistance in dogs. Ordway GA, et al. **J Physiol (Lond)** 1986 Feb;371:277–88
The intraoperative measure of runoff resistance in the canine hindlimb. Schwartz RW, et al. **J Surg Res** 1986 Jan; 40(1):21–5
Changes in vascular resistance in the feline urinary bladder in response to bladder filling. Andersson PO, et al.
J Urol 1985 Nov;134(5):1041–6
Contribution of endogenous vasoactive compounds to renal vascular resistance in neonatal chronic partial ureteral obstruction. Chevalier RL, et al. **J Urol** 1986 Aug; 136(2):532–5
Relation of glomerular injury to preglomerular resistance in experimental hypertension. Olson JL, et al. **Kidney Int** 1986 Apr;29(4):849–57
Interrelationship between cardiac output and vascular resistance as determinants of effective arterial blood volume in cirrhotic patients. Shapiro MD, et al. **Kidney Int** 1985 Aug;28(2):206–11
Liver cirrhosis, ascites, and peripheral vascular resistance [letter] De Vusser P, et al. **Lancet** 1985 Nov 9;2(8463):1078
Reperfusion of the ischemic canine myocardium: effect on vascular exchange and resistance. Overholser KA, et al. **Microcirc Endothelium Lymphatics** 1984 Jun;1(3):347–63
Thromboxane is not responsible for the high pulmonary vascular resistance in fetal lambs. Clozel M, et al.
Pediatr Res 1985 Dec;19(12):1254–7
Neural effects of systemic hypoxia and hypercapnia on hindlimb vascular resistance in acute spinal cats. Rohlicek CV, et al. **Pflugers Arch** 1986 Apr;406(4):392–6
Influence of carbon dioxide tension in the cephalic circulation on hind–limb vascular resistance in anaesthetized dogs. Soladoye AO, et al. **Q J Exp Physiol** 1985 Oct;70(4):527–38
Effects of lung inflation on abdominal vascular resistance in anaesthetized dogs. Wood LM, et al.
Q J Exp Physiol 1985 Oct;70(4):575–84
Sodium transport in vascular smooth muscle cells from resistance vessels. Aalkjaer C, et al.
Scand J Clin Lab Invest [Suppl] 1986;180:49–53
[Venous circulatory resistance in the diagnosis and follow–up of venous thromboses] Klein Rouweler BJ, et al.
Phlebologie 1986 Jan–Mar;39(1):81–5 (Eng. Abstr.) **(Fre)**
[Contribution of Doppler ultrasound flowmetry in the evaluation of intracranial impedance. I. Behavior of the ultrasonic information at the carotid level in cerebral coma] Liboni M, et al. **Minerva Anestesiol** 1985 Jul–Aug; 51(7–8):381–5 **(Ita)**
[Contribution of Doppler ultrasound flowmetry in the evaluation of intracranial impedance. II. Monitoring intracranial resistance as a guide in therapeutic treatment] Pisani R, et al. **Minerva Anestesiol** 1985 Jul–Aug; 51(7–8):387–92 **(Ita)**
[Impedance of the arterial system and cardiac activity] Karpman VL, et al. **Fiziol Cheloveka** 1985 Jul–Aug; 11(4):628–33 **(Rus)**
[Disputable problems of pathogenesis in extrahepatic portal hypertension] Tsatsanidi KN, et al. **Khirurgiia (Mosk)** 1986 Feb;(2):11–6 (Eng. Abstr.) **(Rus)**
[Extracorporeal perfusion and resistography of the coronary arteries in animals with an intact chest cage] Khomaziuk AI. **Patol Fiziol Eksp Ter** 1986 Mar–Apr;(2):74–7 **(Rus)**
[Arterial tonus in men 40 to 59 with hypercholesterolemia, arterial hypertension and ischemic heart disease] Il'ina GN. **Ter Arkh** 1986;58(1):22–5 (Eng. Abstr.) **(Rus)**
[Information value of the indices of hemodynamics and vascular tonus during the development of hypertension in adolescents] Volchanskii EI. **Ter Arkh** 1985;57(11):131–4 **(Rus)**
[The effect of sex hormones on passive resistance of the coronary vascular bed in rats exposed to long–term training] Barta E, et al. **Bratisl Lek Listy** 1986 Mar; 85(3):289–97 (Eng. Abstr.) **(Slo)**

DRUG EFFECTS

High–dose methylprednisolone in a porcine model of ARDS induced by endotoxemia. Modig J, et al.
Acta Chir Scand [Suppl] 1985;526:94–103
Responses of isolated canine and simian basilar arteries to thiopentone by a newly designed pharmacological method for measuring vascular responsiveness. Tsuji T, et al.
Acta Neurochir (Wien) 1986;80(1–2):57–61
Distension–dependent changes in noradrenaline sensitivity in small arteries from the rat. Nilsson H, et al.
Acta Physiol Scand 1985 Nov;125(3):429–35
Substances that rapidly augment ionic conductance of endothelium in cerebral venules. Olesen SP, et al.
Acta Physiol Scand 1986 Jun;127(2):233–41
Studies of the renal component of the hypertension in rats with aortic constriction. Role of angiotensin II. Sahlgren B, et al. **Acta Physiol Scand** 1986 Aug;127(4):443–8
The effect of peptides on cerebrovascular resistance in cats. Wahl M. **Adv Exp Med Biol** 1985;191:121–30
Role of icosanoids in regulation of blood pressure. Frölich JC, et al.
Adv Prostaglandin Thromboxane Leukotriene Res 1985; 15:455–60
Systemic and renal vasodilation after beta–adrenoceptor blockade with pindolol: a hemodynamic study on the onset and maintenance of its antihypertensive effect. van den Meiracker AH, et al. **Am Heart J** 1986 Aug;112(2):368–74
Acute effects of digoxin on total systemic vascular resistance in congestive heart failure due to dilated cardiomyopathy: a hemodynamic–hormonal study. Ribner HS, et al.
Am J Cardiol 1985 Nov 15;56(13):896–904
Effect of nicardipine on rest and exercise hemodynamics in chronic congestive heart failure. Ryman KS, et al.
Am J Cardiol 1986 Sep 15;58(7):583–8
Maternal ovine placental vascular responses to adenosine. Landauer M, et al. **Am J Obstet Gynecol** 1986 May; 154(5):1152–5
Meclofenamate potentiates vasoreactivity to alpha–adrenergic stimulation in chronically hypoxic guinea pigs. Harrison GL, et al. **Am J Physiol** 1986 Sep;251(3 Pt 2):H496–501
Arteriolar responses to norepinephrine and ouabain in early 1–kidney, 1–clip hypertension in rats. Overbeck HW.
Am J Physiol 1985 Oct;249(4 Pt 2):H851–8
Halothane anesthesia attenuates cardiopulmonary baroreflex control of peripheral resistance in humans. Ebert TJ, et al. **Anesthesiology** 1985 Dec;63(6):668–74
Evidence for a captopril–sensitive angiotensin converting enzyme in the hindquarter vasculature of SHR and WKY. Mueller SM, et al. **Artery** 1985;12(6):337–45
The effect of felodipine on forearm haemodynamics and the myogenic response of the forearm resistance vessels in normal man. Mace PJ, et al. **Br J Clin Pharmacol** 1985 Oct;20(4):383–6
Vascular and contractile responses to extracellular ATP: studies in the isolated rat heart. Hohl CM, et al.
Can J Cardiol 1985 May–Jun;1(3):207–16
Effects of calcium channel blockade on renal vascular resistance responses to changes in perfusion pressure and angiotensin–converting enzyme inhibition in dogs. Navar LG, et al. **Circ Res** 1986 Jun;58(6):874–81
Effects of endotoxin on coronary vascular resistance in the isolated blood–perfused rabbit heart. Artman M, et al.
Circ Shock 1986;19(1):13–22
Effects of calcium loading on blood pressure in spontaneously hypertensive rats: attenuation of the vascular reactivity. Kageyama Y, et al. **Clin Exp Hypertens [A]** 1986; 8(3):355–70
Effects of Escherichia coli endotoxin on pulmonary vascular resistance in intact dogs. D'Orio V, et al.
Crit Care Med 1986 Sep;14(9):802–6
Effects of nifedipine on forearm vascular resistance and venous capacitance in normal subjects and in patients with congestive heart failure. Nakamura Y, et al.
Int J Cardiol 1985 Sep;9(1):27–36
The effect of beta blockers on total peripheral resistance. Man in 't Veld AJ, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 4:S49–60 (175 ref.)
Effect of felodipine on resistance vessels from spontaneously hypertensive and normotensive rats. Nyborg NC, et al.
J Cardiovasc Pharmacol 1985;7 Suppl 6:S43–6
Acute hypotensive effects of oral and intravenous propranolol: early alterations in peripheral resistance. Fagan TC, et al. **J Clin Hypertens** 1986 Mar;2(1):21–9
Effect of prostacyclin on vascular capacity in the dog. Fulghum TG, et al. **J Clin Invest** 1985 Sep;76(3):999–1006
Effects of thromboxane synthase inhibition on vascular responsiveness in the in vivo rat mesentery. Jackson EK.
J Clin Invest 1985 Dec;76(6):2286–95
Reduction of the increased portal vascular resistance of the isolated perfused cirrhotic rat liver by vasodilators. Bhathal PS, et al. **J Hepatol** 1985;1(4):325–37
Converting enzyme inhibition to identify and treat renin–mediated or sodium–volume related forms of increased peripheral resistance in hypertension and in congestive heart failure. Cody RJ, et al.
J Hypertension [Suppl] 1983 Oct;1(1):77–84
The effects of BTS 49465 on blood pressure and peripheral arteriolar and venous tone in normal volunteers. Cowley AJ, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S547–9
Effects of low and high Na diets on cardiovascular dynamics in normotensive and hypertensive rats: neuroeffector characteristics of the resistance vessels. Nilsson H, et al.
J Hypertension [Suppl] 1984 Dec;2(3):S433–5
Small increments in plasma calcium concentration reduce the responsiveness of forearm resistance vessels to verapamil in men with primary hypertension. Robinson BF, et al.
J Hypertension [Suppl] 1984 Dec;2(3):S507–9
Effect of premercurial resetting of intrarenal vascular resistance on HgCl2–induced acute renal failure. Vanholder R, et al. **J Lab Clin Med** 1986 Apr;107(4):327–36
Diastolic coronary resistance after ischaemia in the isolated rabbit heart: effect of nifedipine. Fleetwood G, et al.
J Mol Cell Cardiol 1986 Feb;18(2):139–47
Effect of intralipid on the neonatal pulmonary bed: an echographic study. Lloyd TR, et al. **J Pediatr** 1986 Jan; 108(1):130–3
Effects of fenoldopam on regional vascular resistance in conscious spontaneously hypertensive rats. Lappe RW, et al. **J Pharmacol Exp Ther** 1986 Jan;236(1):187–91
Analysis of vascular responses in rat hindquarters arterial resistance vessels and veins in situ. Sybertz EJ, et al.
J Pharmacol Exp Ther 1986 Feb;236(2):374–9
Acute increase of noradrenaline on vascular resistance in the corpus luteum of the pseudopregnant rat. Selstam G, et al. **J Reprod Fertil** 1985 Nov;75(2):351–6
Effect of plasma potassium on vascular response to pressor and depressor agents in dog kidney. Ito K, et al.
Jpn Circ J 1986 Mar;50(3):265–9
Cyclosporin in therapeutic doses increases renal allograft vascular resistance. Curtis JJ, et al. **Lancet** 1986 Aug 30; 2(8505):477–9
Drug–induced changes of the flow pulse contour recorded by directional CW–Doppler devices: a possible estimation of changes in vascular characteristic impedance and peripheral resistance. Labs KH, et al.
Methods Find Exp Clin Pharmacol 1985 Nov;7(11):603–8
Contraction and relaxation of rabbit basilar artery by thiopental. Gross CE, et al. **Neurosurgery** 1985 Sep; 17(3):433–5
Effects of sodium nitroprusside–induced hypotension on the cerebral and hindlimb blood flow in dogs. Chang CL, et al. **Proc Natl Sci Counc Repub China [B]** 1985 Jul;9(3):202–7
Testosterone–induced decrement of prostatic vascular resistance in rats is reversed by estrogens. Daehlin L, et al. **Prostate** 1985;6(4):351–9
Cardiac output and peripheral vascular resistance during intravenous infusion of 1–hexadecyl–2–acetyl–sn–glycero–3–phosphocholine in conscious normotensive and spontaneously hypertensive rats. Hubbard JW, et al.
Res Commun Chem Pathol Pharmacol 1985 Sep; 49(3):459–62
Influence of the thromboxane antagonist BM 13.177 on the arachidonic acid–induced increase in pulmonary vascular resistance and permeability in rabbit lungs. Seeger W, et al. **Thromb Res** 1985 Dec 15;40(6):793–805
Effect of T–2 toxin on regional blood flow and vascular resistance in the conscious rat. Sirén AL, et al.
Toxicol Appl Pharmacol 1986 May;83(3):438–44
[The effect of vagus and acetylcholine on segmental coronary resistance in the presence of coronary arterial stenosis in the dog] Sun JZ, et al. **Sheng Li Hsueh Pao** 1986 Feb; 38(1):86–90 (Eng. Abstr.) **(Chi)**
[Calcium antagonists and glycoregulation: dissociated effects of nicardipine on vascular tonus and insulin secretion] Marre M, et al. **Arch Mal Coeur** 1985 Oct;78(11):1661–6 (Eng. Abstr.) **(Fre)**
[The effect of oxedrine on the left ventricle and peripheral vascular resistance] Hofstetter R, et al.
Arzneimittelforschung 1985;35(12):1844–6 (Eng. Abstr.) **(Ger)**
[Venous toning with dihydroergotamine—subcutaneous or buccal administration] Schott G. **Z Arztl Fortbild (Jena)** 1986;80(3):127–9 **(Ger)**
[Effects of intracoronary nitroglycerin administration on poststenotic vascular diameter before and following transluminal coronary angioplasty] Bernauer R, et al.
Z Kardiol 1986 Jan;75(1):19–26 (Eng. Abstr.) **(Ger)**
[Effects of serotonin (5HT) and histamine on the pulmonary circulation with particular reference to arterial and venous segment resistance—comparison between an experimental study and model circuit analysis] Yamashita H, et al.
Nippon Kyobu Shikkan Gakkai Zasshi 1985 Jul;23(7):767–75 (Eng. Abstr.) **(Jpn)**
[Effects of sex steroid hormones on vascular reactivity to angiotensin II in castrated rat] Inao H.
Nippon Sanka Fujinka Gakkai Zasshi 1985 Dec; 37(12):2806–12 (Eng. Abstr.) **(Jpn)**
[Effect of drugs on the tonus of the coronary vessels in hormonal imbalance] Gerasimov VP. **Farmakol Toksikol** 1986 Jan–Feb;49(1):50–2 (Eng. Abstr.) **(Rus)**
[Effect of a course of dosages of acetylsalicylic acid and sodium salicylate on the indices of the tonus of vessels of differing functional importance in cats] Riabkov AN, et al. **Farmakol Toksikol** 1986 May–Jun;49(3):50–2 (Eng.

Abstr.) (Rus)
[Effect of andekalin and kontrikal on the blood proteolytic systems, vascular reactivity and the content of kinin system components] Kiselev VI, et al. **Gematol Transfuziol** 1985 Aug;30(8):52–6 (Eng. Abstr.) (Rus)
[Action of middle-weight protein molecules isolated from preserved blood on the hemodynamics, vascular permeability and gas exchange in the lungs] Beliakov NA, et al. **Patol Fiziol Eksp Ter** 1986 Jan–Feb;(1):18–22 (Eng. Abstr.) (Rus)

VASCULAR SURGERY

Video angioscopy as an alternative to intraoperative arteriography. Mehigan JT, et al. **Am J Surg** 1986 Jul; 152(1):139–45
The cell-saver and autologous transfusion: an underutilized resource in vascular surgery. Tawes RL JR, et al. **Am J Surg** 1986 Jul;152(1):105–9
Successful vascular reconstruction. Determinants of disability. Floyd HD, et al. **Am Surg** 1986 Feb;52(2):91–2
Twenty-four hour blood flow in the forefoot after reconstructive vascular surgery. Jelnes R. **Ann Surg** 1986 Aug;204(2):176–80
Canadian Society for Vascular Surgery. Presidential Address 1985: Collecting. Sladen JG. **Can J Surg** 1986 Jul; 29(4):251–3
Peripheral arterial surgery. Sheriffdeen AH. **Ceylon Med J** 1985 Mar;30(1):13–27
Symposium on microvascular surgery. **Hand Clin** 1985 May; 1(2):195–370
Antibiotic prophylaxis in vascular reconstructive surgery: a double-blind placebo-controlled study. Worning AM, et al. **J Antimicrob Chemother** 1986 Jan;17(1):105–13
Anastomosis of small vessels in the foot. Olinsky DI, et al. **J Foot Surg** 1985 May–Jun;24(3):209–14
The uses and abuses of life table methods in vascular surgery. Underwood CJ, et al. **J Mal Vasc** 1985;10(2):161–4 (Eng, Fre)
Preoperative angiographic assessment of saphenous vein for arterial bypass surgery. Ruben GD, et al. **J Med Soc NJ** 1985 Aug;82(8):651–3
Fibrin glue as a biologic vascular patch—a comparative study. Barton B, et al. **J Surg Res** 1986 May;40(5):510–3
Microvascular reconstruction after electrical and deep thermal injury. Silverberg B, et al. **J Trauma** 1986 Feb; 26(2):128–34
How vascular surgeons use noninvasive testing. Baker JD. **J Vasc Surg** 1986 Sep;4(3):272–6
Polypropylene suture—is it safe? Calhoun TR, et al. **J Vasc Surg** 1986 Jul;4(1):98–100
Host defense mechanisms in elective and emergency vascular surgery: predicting septic-related mortality. Christou NV, et al. **J Vasc Surg** 1986 Feb;3(2):338–42
The vascular societies—how involved should they be? DeWeese JA. **J Vasc Surg** 1986 Jan;3(1):1–9
An analysis of vascular surgical manpower requirements and vascular surgical rates in the United States [letter] Hinton JP. **J Vasc Surg** 1986 Sep;4(3):305–6
Minimizing mortality and morbidity from iatrogenic arterial injuries: the need for early recognition and prompt repair. Mills JL, et al. **J Vasc Surg** 1986 Jul;4(1):22–7
The effect of coronary bypass on the outcome of peripheral vascular operations in 1093 patients. Reul GJ Jr, et al. **J Vasc Surg** 1986 May;3(5):788–98
Compartmental pressure monitoring after arterial reconstruction lacks clinical relevance. Skillman JJ, et al. **J Vasc Surg** 1986 Jun;3(6):871–6
Fibrinolytic activity following laser-assisted vascular anastomosis. Bailes JE, et al. **Microsurgery** 1985;6(3):163–8
A new experimental model for microanastomosis between vessels of different diameter. De Carolis V, et al. **Microsurgery** 1985;6(3):151–4
Meeting of the Dutch Society for Vascular Surgery, a section of the Association of the Surgeons of The Netherlands. Utrecht, 16 March 1985. Abstracts. **Neth J Surg** 1985 Aug; 37(4):122–6
White blood cell populations in patients undergoing major vascular surgery. Fosse E, et al. **Scand J Thorac Cardiovasc Surg** 1985;19(3):247–52
Vascular surgery. **Surg Clin North Am** 1986 Apr; 66(2):219–424
15th annual meeting of the German Society for Thoracic and Cardiovascular Surgery. February 20th, 1986 to February 22nd, 1986, Bad Nauheim. abstracts. **Thorac Cardiovasc Surg** 1986 Feb;34 Spec No 1:1–108 (Eng, Ger)
Imaging ultrasonography during blood vessel operations. Sigel B, et al. **Ultrasound Med Biol** 1983;Suppl 2:231–3
[News in the diagnosis and therapy of vascular diseases.Impressions of the International Congress of Angiology (Athens, 1989)] Dolchinov A, et al. **Khirurgiia (Sofiia)** 1986;39(2):82–5 (Bul)
[Operative treatment of traumatic vascular injuries of the extremities] Keller J, et al. **Ugeskr Laeger** 1986 Jul 14; 148(29):1824–5 (Eng. Abstr.) (Dan)
[Heparin dosage in long-term intravenous administration based on the example of vascular surgery patients] Braun V, et al. **Anaesthesist** 1986 May;35(5):291–8 (Eng. Abstr.) (Ger)
[Activated coagulation time in the evaluation of anticoagulation with heparin in peripheral vascular surgery] Brandi LS, et al. **Minerva Cardioangiol** 1986 Apr; 34(4):273–7 (Eng. Abstr.) (Ita)
[Incidence of perioperative stroke during peripheral revascularization or aortocoronary bypass in patients with carotid bruit and stenosis] Belcaro G, et al. **Minerva Chir** 1985 Aug 15–31;40(15–16):1095–9 (Eng. Abstr.) (Ita)
[Grafts and thromboendoarteriectomies of the sorto-iliac-femoral axis. Comparative results] Ferrero S, et al. **Minerva Chir** 1985 Aug 15–31;40(15–16):1091–3 (Eng. Abstr.) (Ita)
[Operative ultrasonography during cardiac and peripheral vascular surgery] Machi J. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Oct;33(10):1931–8 (Eng. Abstr.) (Jpn)
[Thrombosis in various diseases: vascular surgery] Mishima Y. **Nippon Rinsho** 1986 May;44(5 Spec No 542):1187–93 (6 ref.) (Jpn)

ADVERSE EFFECTS

Cardiac mortality and morbidity after vascular surgery. Calvin JE, et al. **Can J Surg** 1986 Mar;29(2):93–7
Acute aortic rupture from cross clamp injury. Kirshner RL, et al. **J Cardiovasc Surg (Torino)** 1986 Mar–Apr;27(2):185–7
Antibiotic prophylaxis in vascular surgery: pharmacokinetic study of four commonly used cephalosporins. Fradet G, et al. **J Vasc Surg** 1986 Mar;3(3):535–9
The early results of vascular surgery in patients 75 years of age and older: an analysis of 3259 cases. Plecha FR, et al. **J Vasc Surg** 1985 Nov;2(6):769–74

ECONOMICS

The costs of surgery for limb-threatening ischemia. Mackey WC, et al. **Surgery** 1986 Jan;99(1):26–35

HISTORY

Vascular surgery in the U.S.S.R.: a historical outline and the state of art. Petrovsky BV. **Int Angiol** 1985 Apr–Jun; 4(2):133–5
Original papers. Changing concepts in vascular surgery. By Michael E. DeBakey. 1959. **J Cardiovasc Surg (Torino)** 1986 Jul–Aug;27(4):367–409
The vascular surgeon: not a tradesman. Silver D. **J Vasc Surg** 1986 May;3(5):695–9
History of carotid artery surgery. Thompson JE. **Surg Clin North Am** 1986 Apr;66(2):225–31
Geza de Takats—1892–1985. Bergan JJ. **Surgery** 1986 May; 99(5):641–2
[Historical bases of the principle of reconstruction in vascular surgery] Hahn C. **Gesnerus** 1985;42(3–4):305–13 (Eng. Abstr.) (Fre)
[A moment in the history of angiology: the tribute of Joao Cid Dos Santos to René Fontaine] Coito A, et al. **J Mal Vasc** 1986;11 Suppl B:94–6 (Fre)
[Louis Sencert, vascular surgeon (1878–1924)] Larcan A, et al. **J Mal Vasc** 1986;11 Suppl B:68–74 (Fre)

INSTRUMENTATION

A new microclip for vascular occlusion. Technical note. Andrews BT, et al. **J Neurosurg** 1986 May;64(5):822–3
Clip-grafts in microvascular decompression of the posterior fossa. Technical note. Laws ER Jr, et al. **J Neurosurg** 1986 Apr;64(4):679–81
Miniclips and microclips for surgical hemostasis. Technical note. Sundt TM Jr, et al. **J Neurosurg** 1986 May;64(5):824–5
Microvascular double clamp type A–II. Ikuta Y. **J Reconstr Microsurg** 1984 Jul;1(1):41–3
The use of intravascular graft sizers in vascular surgery. Hodge J. **J SC Med Assoc** 1986 Jun;82(6):389–90
Self-retaining retraction in vascular surgery. Veith FJ, et al. **J Vasc Surg** 1986 May;3(5):824
Plastic double clamp for use in microsurgery. Válka J. **Microsurgery** 1985;6(4):249–50
Prevention of vein graft twisting and optimization of its length using a new tunneller. Chiu RC. **Surg Gynecol Obstet** 1985 Dec;161(6):588–90
[Blood reinfusion using the Reinmil-1 in vascular surgery] Saev S, et al. **Khirurgiia (Sofiia)** 1985;38(4):19–22 (Eng. Abstr.) (Bul)
[An instrumental solution to the esthetic problems in radical surgery of varices of the legs] Corcos L, et al. **Minerva Cardioangiol** 1986 Jan–Feb;34(1–2):53–6 (Ita)
[New instruments for pediatric cardiovascular surgery] Kochneva ZM, et al. **Med Tekh** 1986 May–Jun;(3):53–5 (Eng. Abstr.) (Rus)
[Instrumental solution for esthetic problems in radical surgery of varices of the lower extremities] Peruzzi G, et al. **Angiologia** 1985 Nov–Dec;37(6):276–80 (Eng. Abstr.) (Spa)

METHODS

Retroperitoneal approach to high-risk abdominal aortic aneurysms. Shepard AD, et al. **Arch Surg** 1986 Apr; 121(4):444–9
A new sutureless method for the anastomosis of blood vessels. Wozniak JJ. **Biomater Med Devices Artif Organs** 1985; 13(1–2):51–60
Microvascular surgery of the lower limb. Townsend PL. **Br J Hosp Med** 1985 Nov;34(5):277, 279–80, 282 passim
Laser angioplasty with angioscopic guidance in humans. Abela GS, et al. **J Am Coll Cardiol** 1986 Jul;8(1):184–92
The Tweener maneuver. Cassel J, et al. **J Reconstr Microsurg** 1985 Jul;1(4):287–9
A new trick for end-to-end anastomosis in microvascular surgery. Modified Harashina procedure. Foucher G, et al. **J Reconstr Microsurg** 1984 Jul;1(1):49–51
An open-loop technique to facilitate microtubal anastomoses in the rat. Lee S, et al. **J Reconstr Microsurg** 1984 Jul; 1(1):45–8
Evaluation of free flaps transferred by microvascular anastomosis in oral and maxillofacial surgery. Qiu WL, et al. **J Reconstr Microsurg** 1984 Jul;1(1):75–80
Comparison of suture ligation, bipolar cauterization, and hemoclip ligation in the management of small branching vessels in a rat model. Roth JH, et al. **J Reconstr Microsurg** 1984 Jul;1(1):7–9
Surgical treatment of venous obstruction and insufficiency. Bergan JJ, et al. **J Vasc Surg** 1986 Jan;3(1):174–81 (35 ref.)
Distal in situ vein bypass torsion—a technique to avoid it. Corson JD, et al. **J Vasc Surg** 1986 Aug;4(2):199–200
Vascular anastomoses with laser energy. McCarthy WJ, et al. **J Vasc Surg** 1986 Jan;3(1):32–41
Microvascular replacement: experimental data. Chignier E, et al. **Life Support Syst** 1986 Jan–Mar;4(1):31–40
Spiral interrupted suturing technique for microvascular anastomosis: a comparative study. Chen L, et al. **Microsurgery** 1986;7(2):72–8
Experimental laser-assisted end-to-side microvascular anastomosis. Sartorius CJ, et al. **Microsurgery** 1986; 7(2):79–83
Bipolar coagulation in microvascular surgery. Caffee HH, et al. **Plast Reconstr Surg** 1986 Sep;78(3):374–7
A simple rapid technique for vena cava clip replacement. Miller CM, et al. **Surg Gynecol Obstet** 1986 Jan;162(1):54–5
"Closed-open" arterial embolectomy.Andros G, et al. **Surgery** 1986 Jan;99(1):102–5
[Second opening, by endoluminal metallic loop, of a termino- or latero-lateral microsurgical vascular anastomosis] Zarebski M, et al. **J Chir (Paris)** 1985 May;122(5):355–6 (Fre)
[Surgery of nondilatable renal arteries] Kugelmeier JU. **Helv Chir Acta** 1985 Dec;52(5):717–21 (Eng. Abstr.) (Ger)
[Experience in the management of vascular injuries] Koncz I, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1986; 29(1):23–31 (Eng. Abstr.) (Hun)
[Current state of sympathectomy in peripheral reconstructive surgery] Rossi M, et al. **Chir Ital** 1986 Apr;38(2):185–92 (Eng. Abstr.) (Ita)
[Hemodilution and autotransfusion. Our experience in vascular surgery] Battisti G, et al. **Minerva Cardioangiol** 1986 May;34(5):329–31 (Eng. Abstr.) (Ita)
[Intravascular catheterization roentgenosurgery] Petrosian IuS. **Vestn Akad Med Nauk SSSR** 1986;(2):51–4 (Eng. Abstr.) (Rus)
[Termino-terminal vascular microanastomosis by invagination] Cruz HR, et al. **Salud Publica Mex** 1986 Mar–Apr;28(2):172–5 (Eng. Abstr.) (Spa)

PSYCHOLOGY

Feelings and attitudes during early convalescence following vascular surgery. Ronayne R. **J Adv Nurs** 1985 Sep; 10(5):435–41

REHABILITATION

Exercise training following cardiovascular surgery. Foster C. **Exerc Sport Sci Rev** 1986;14:303–23 (114 ref.)

STANDARDS

Vascular surgery and accreditation. Griffen WO Jr, et al. **Ann Surg** 1986 Mar;203(3):231–5
General vascular surgery and the thoracic surgeon [editorial] Kron IL. **Ann Thorac Surg** 1986 May;41(5):471–2

TRENDS

Presidential address. The Society for Clinical Vascular Surgery: a review and preview. McKittrick JE. **Am J Surg** 1986 Aug;152(2):154–6
Overview of potential benefits of direct venous reconstruction. Bergan JJ. **Int Angiol** 1985 Oct–Dec; 4(4):463–6

UTILIZATION

An analysis of vascular surgical manpower requirements and vascular surgical rates in the United States. Rutkow IM, et al. **J Vasc Surg** 1986 Jan;3(1):74–83
[Arterial surgery in Denmark 1978–1983] Eickhoff JH. **Ugeskr Laeger** 1986 Jul 14;148(29):1853–5 (Eng. Abstr.) (Dan)

VASCULITIS

Pulmonary vasculitis. Leavitt RY, et al. **Am Rev Respir Dis** 1986 Jul;134(1):149–66 (195 ref.)
Radiation bowel and other vasculitides. Gilinsky NH. **S Afr Med J** 1985 Sep 28;68(7):504–5
[A change in the concept of vasculitis] Shibata S. **Nippon Rinsho** 1985 Oct;43(10):2014–6 (Jpn)

BLOOD

Platelet releasing activity in sera of patients with rheumatoid vasculitis. Cunningham TJ, et al. **Ann Rheum Dis** 1986 Jan; 45(1):15–20

CHEMICALLY INDUCED

Leukocytoclastic vasculitis after high-dose methotrexate [letter] Navarro M, et al. **Ann Intern Med** 1986 Sep; 105(3):471–2

Phenytoin-induced systemic granulomatous vasculitis. Gaffey CM, et al. **Arch Pathol Lab Med** 1986 Feb; 110(2):131–5

Fatal acute vasculitis after high-dose urography with iohexol. Goodfellow T, et al. **Br J Radiol** 1986 Jun;59(702):620–1

Vancomycin-induced vasculitis. Markman M, et al. **South Med J** 1986 Mar;79(3):382–3

[Hypersensitivity vasculitis of drug origin] Hannedouche T, et al. **Ann Med Interne (Paris)** 1986;137(1):57–64 (94 ref.) (Fre)

CLASSIFICATION

Polyangiitis overlap syndrome. Classification and prospective clinical experience. Leavitt RY, et al. **Am J Med** 1986 Jul; 81(1):79–85

Clinicopathological profile of vasculitides in India. Kumar A, et al. **J Assoc Physicians India** 1985 Nov;33(11):694–8

Pulmonary vasculitis. Chandler DB, et al. **Lung** 1985; 163(5):257–73 (41 ref.)

[Urticarial vasculitis] Bonelli U, et al. **G Ital Dermatol Venereol** 1985 Jul–Aug;120(4):265–70 (Eng. Abstr.) (Ita)

[Clinical concept and classification of vasculitis] Nagasawa T. **Nippon Rinsho** 1985 Oct;43(10):2052–6 (Jpn)

[The pathological classification of vasculitis] Takeda Z, et al. **Nippon Rinsho** 1985 Oct;43(10):2026–9 (23 ref.) (Jpn)

COMPLICATIONS

Palpable purpura in leukocytoclastic vasculitis. Sloane PD, et al. **Am Fam Physician** 1986 Apr;33(4):197–200

Microangiitis in lupus-induced pulmonary hemorrhage. Myers JL, et al. **Am J Clin Pathol** 1986 May;85(5):552–6

Severe deficiency of alpha 1-antitrypsin associated with cutaneous vasculitis, rapidly progressive glomerulonephritis, and colitis [letter] Levy M. **Am J Med** 1986 Aug;81(2):363–4

Severe deficiency of alpha 1-antitrypsin associated with cutaneous vasculitis, rapidly progressive glomerulonephritis, and colitis. Lewis M, et al. **Am J Med** 1985 Oct;79(4):489–94

Paraneoplastic vasculitis. Unique syndrome of cutaneous angiitis and arthritis associated with myeloproliferative disorders. Longley S, et al. **Am J Med** 1986 Jun; 80(6):1027–30

Perivasculitis of the retinal vessels as an important sign in children with AIDS-related complex. Kestelyn P, et al. **Am J Ophthalmol** 1985 Oct 15;100(4):614–5

Vascular manifestations of systemic lupus erythematosus. Ansari A, et al. **Angiology** 1986 Jun;37(6):423–32

Nasopharyngeal tumour in hypersensitivity vasculitis. Sørensen H. **Ann Allergy** 1986 Jun;56(6):484–7

Cutaneous T cell lymphoma and leukocytoclastic vasculitis in a long-term survivor of Wiskott-Aldrich syndrome [clinical conference] Watson RD, et al. **Ann Allergy** 1985 Nov;55(5):654–7, 703–5

Cutaneous leukocytoclastic vasculitis complicating hairy cell leukemia (leukemic reticuloendotheliosis). Spann CR, et al. **Arch Dermatol** 1986 Sep;122(9):1057–9

Peripheral inflammatory vascular disease in Sjögren's syndrome. Association with nervous system complications. Molina R, et al. **Arthritis Rheum** 1985 Dec;28(12):1341–7

Multifocal fibrosclerosis: cutaneous associations. Case report and review of the literature. Fischer GO, et al. **Australas J Dermatol** 1986 Apr;27(1):19–26

Acute posterior multifocal placoid pigment epitheliopathy associated with diffuse retinal vasculitis and late haemorrhagic macular detachment. Isashiki M, et al. **Br J Ophthalmol** 1986 Apr;70(4):255–9

Encephalopathy in compensated Hashimoto thyroiditis: a clinical expression of autoimmune cerebral vasculitis. Shein M, et al. **Brain Dev** 1986;8(1):60–4

A new etiology for visual impairment and chronic headache. The Tolosa–Hunt syndrome may be only one manifestation of venous vasculitis. Hannerz J, et al. **Cephalalgia** 1986 Mar; 6(1):59–63

Ulcerative colitis with arthritis and vasculitis. Speiser JC, et al. **Clin Rheumatol** 1985 Sep;4(3):343–7

Evidence for immunologically mediated pulmonary injury in the hypocomplementemic urticarial vasculitis syndrome [letter] Baer AN, et al. **J Am Acad Dermatol** 1985 Sep; 13(3):509–12

Cutaneous granulomatous vasculitis: its relationship to systemic disease. Gibson LE, et al. **J Am Acad Dermatol** 1986 Mar;14(3):492–501

The ENT manifestations of systemic vasculitis. Bulman CH, et al. **J Laryngol Otol** 1985 Sep;99(9):941–5

Necrotic changes of the spinal cord with immune-complex-mediated disseminated vasculitis in a case of atypical allergic encephalomyelitis. Renkawek K, et al. **J Neurol** 1985;232(6):368–73

Granulomatous angiitis of the central nervous system: a case with recurrent intracerebral haemorrhage. Clifford-Jones RE, et al. **J Neurol Neurosurg Psychiatry** 1985 Oct; 48(10):1054–6

Does joint inflammation improve as rheumatoid vasculitis develops? [letter] Pinto MA. **J Rheumatol** 1985 Dec; 12(6):1205–6

Systemic lupus erythematosus with abdominal crisis: an interesting and unusual case. Johnson JF Jr. **J Tenn Med Assoc** 1986 Jan;79(1):13–4

Plasma exchange in a patient with severe rheumatoid arthritis complicated by mononeuritis multiplex and cutaneous ulcers. Nuver-Zwart HH, et al. **Neth J Med** 1986; 29(3):79–83

Small-vessel angiitis without angiographic signs of arteritis [letter] Bahar S, et al. **Neurology** 1986 Jul;36(7):1011

Cerebral vasculitis and ulcerative colitis. Nelson J, et al. **Neurology** 1986 May;36(5):719–21

Neurological complications of systemic vasculitis. A report of 2 cases. Maloon A, et al. **S Afr Med J** 1985 Oct 12; 68(8):603–5

Rheumatoid vasculitis: experience with 13 patients and review of the literature. Schneider HA, et al. **Semin Arthritis Rheum** 1985 May;14(4):280–6 (61 ref.)

Ocular involvement in the respiratory vasculitides. Robin JB, et al. **Surv Ophthalmol** 1985 Sep–Oct;30(2):127–40 (154 ref.)

[Digestive manifestations of vasculitis] Desbazeille F, et al. **Gastroenterol Clin Biol** 1986 May;10(5):405–14 (131 ref.) (Fre)

[Necrotizing vasculitis and villous atrophy of the small intestine (letter)] Doutre MS, et al. **Gastroenterol Clin Biol** 1986 May;10(5):436–7 (Fre)

[Chin neuropathy in vasculitis (letter)] Delattre JY, et al. **Presse Med** 1986 May 17;15(20):930 (Fre)

[Polyneuritis caused by vasculitis in a solitary secreting plasmacytoma (letter)] Viard JP, et al. **Presse Med** 1986 Feb 1;15(4):167 (Fre)

[Association of atrophic polychondritis and necrotizing vasculitis with glomerulonephritis (letter)] Vigeral P, et al. **Rev Med Interne** 1985 Jun;6(3):332–3 (Fre)

[A case from practice (47). O.L., female patient, born 4 January 1957, physiotherapist] Conzelmann M. **Schweiz Rundsch Med Prax** 1986 Jan 21;75(4):67–8 (Ger)

[Two cases of posthemiplegic dystonia and contralateral striatal low density area on CT caused by inflammatory vasculitis] Anegawa T, et al. **Rinsho Shinkeigaku** 1986 Feb; 26(2):180–3 (Eng. Abstr.) (Jpn)

[Neurological manifestations in systemic vasculitis] Drăghici L, et al. **Rev Med Interna [Neurol Psihiatr]** 1986 Apr–Jun; 31(2):91–8 (Eng. Abstr.) (Rum)

[Giant cell vasculitis] Lavrik VA, et al. **Sov Med** 1985; (5):112–4 (Rus)

[An urticaria, vasculitis and hypocomplementemia syndrome. Presentation of a case] Ojeda-Durán SA, et al. **Bol Med Hosp Infant Mex** 1985 Jul;42(7):445–9 (Eng. Abstr.) (Spa)

[Vasculitis associated with malignancy—a rarity] Irving P. **Lakartidningen** 1985 Oct 16;82(42):3609, 3611 (Swe)

DIAGNOSIS

Vasculitic leg ulcers in chronic myelogenous leukemia [letter] Fowler JF Jr. **Am J Med** 1986 Mar;80(3):A69

Vasculitis presenting in an infant with agammaglobulinemia. Maguire JF, et al. **Ann Allergy** 1986 Jul;57(1):14–6, 42–5

Necrotizing systemic vasculitis with features of both Wegener's granulomatosis and Churg-Strauss vasculitis. Henochowicz S, et al. **Arthritis Rheum** 1986 Apr; 29(4):565–9

The vasculitides and their significance in the pediatric age group. Golitz LE. **Dermatol Clin** 1986 Jan;4(1):117–25 (50 ref.)

Eosinophilic vasculitis with atypical features [clinical conference] Chandler MJ, et al. **J Allergy Clin Immunol** 1986 May;77(5):741–5

Neuropathy of vasculitic origin in a case of Garin-Boujadoux-Bannwarth syndrome with positive borrelia antibody response. Camponovo F, et al. **J Neurol** 1986 Apr;233(2):69–72

Vasculitis in a suspected AIDS patient. Berg RA, et al. **South Med J** 1986 Jul;79(7):914–5

[Leg ulcer; a complex diagnosis] van der Meeren HL, et al. **Ned Tijdschr Geneeskd** 1986 Jul 5;130(27):1217–9 (Dut)

[Retinal ischemia disclosing immune complex vasculitis] Segal A, et al. **Bull Soc Ophtalmol Fr** 1985 Feb; 85(2):199–206 (Eng. Abstr.) (Fre)

[Diagnostic and prognostic significance of so-called rheumatoid vasculitis—2] Häntzschel H, et al. **Z Gesamte Inn Med** 1986 Mar 15;41(6):162–6 (Eng. Abstr.) (Ger)

[Incidence of neuropathies in so-called rheumatoid vasculitis] Krause VT, et al. **Z Gesamte Inn Med** 1986 Mar 15; 41(6):170–2 (Eng. Abstr.) (Ger)

[Systemic manifestations in a case of Churg-Strauss vasculitis with a clinical picture of recurrent cerebral ischemia] Münch H, et al. **Z Rheumatol** 1985 May–Jun;44(3):143–8 (Eng. Abstr.) (Ger)

[Progress in the diagnosis of vasculitis—special reference to the diagnosis by biopsy and imagings] Hosoda Y, et al. **Nippon Rinsho** 1985 Oct;43(10):2057–64 (22 ref.) (Jpn)

[Hypocomplementemia with cutaneous vasculitis] Yukiyama Y. **Nippon Rinsho** 1985 Oct;43(10):2178–83 (21 ref.) (Jpn)

[Cryoglobulinemic vasculitis] Ciobanu V, et al. **Rev Med Interna [Med Interna]** 1985 Sep–Oct;37(5):385–94 (Rum)

[Case of McDuffie's hypocomplementemic leukocytoclasic vasculitis] Creţu S, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1986 Apr–Jun; 35(2):159–64 (Eng. Abstr.) (Rum)

[Disability in systemic vasculitis] Lavrova DI. **Revmatologiia (Moskva)** 1985 Jul–Sep;(3):32–3 (Eng. Abstr.) (Rus)

[Diagnosis of systemic vasculitis in rheumatoid arthritis patients (a clinico-immunomorphological study)] Salkovskil RS, et al. **Revmatologiia (Moskva)** 1985 Apr–Jun; (2):36–9 (Eng. Abstr.) (Rus)

DRUG THERAPY

Cyclophosphamide in the treatment of orbital vasculitis. Garrity JA, et al. **Am J Ophthalmol** 1986 Jul 15; 102(1):97–103

Pentoxifylline (Trental) therapy for the vasculitis of atrophie blanche [letter] Sauer GC. **Arch Dermatol** 1986 Apr; 122(4):380–1

Pentoxifylline (Trental) therapy for vasculitis of pityriasis lichenoides et varioliformis [letter] Sauer GC. **Arch Dermatol** 1985 Dec;121(12):1487

Treatment of vasculitis with chlorpromazine and dapsone. Asghar SS, et al. **Arch Dermatol Res** 1985;277(6):504–6

Thalidomide effects in Behçet's syndrome and pustular vasculitis. Jorizzo JL, et al. **Arch Intern Med** 1986 May; 146(5):878–81

Tocainide suppression of immune-complex-mediated dermal inflammation: comparison with prostaglandin E1. White RH, et al. **Clin Immunol Immunopathol** 1986 Jun; 39(3):452–63

Therapy for granulomatous angiitis. Koo EH, et al. **Clin Neuropharmacol** 1986;9(2):132–7 (19 ref.)

Colchicine treatment of urticarial vasculitis. Werni R, et al. **Dermatologica** 1986;172(1):36–40

Urticarial vasculitis: response to dapsone and colchicine [letter] Muramatsu C, et al. **J Am Acad Dermatol** 1985 Dec; 13(6):1055

[Drug therapy of vasculitis with immunosuppressive agents, immunomodulators and cyclosporin A] Abe C. **Nippon Rinsho** 1985 Oct;43(10):2196–9 (16 ref.) (Jpn)

[Drug therapy of vasculitis with prostaglandins] Makino S. **Nippon Rinsho** 1985 Oct;43(10):2200–5 (14 ref.) (Jpn)

[Steroid hormone and non-steroid anti-inflammatory agent therapy of vasculitis] Mizushima Y. **Nippon Rinsho** 1985 Oct;43(10):2193–5 (3 ref.) (Jpn)

ETIOLOGY

Isolated angiitis of the brain. Case in a renal transplant recipient. Rothenberg RJ. **Am J Med** 1985 Nov; 79(5):629–32

Acute febrile cerebrovasculitis: a syndrome of unknown, perhaps rickettsial, cause. Wenzel RP, et al. **Ann Intern Med** 1986 May;104(5):606–15

Focal cerebral vasculitis associated with circulating immune complexes and brain irradiation. Groothuis DR, et al. **Ann Neurol** 1986 Jun;19(6):590–2

Chickenpox with delayed contralateral hemiparesis caused by cerebral angiitis. Kamholz J, et al. **Ann Neurol** 1985 Sep;18(3):358–60

Facial rash with scarring due to granulomatous vasculitis in rheumatoid disease. White R, et al. **Ann Rheum Dis** 1986 Jan;45(1):75–7

Livedoid vasculitis and central nervous system involvement in systemic lupus erythematosus. Yasue T. **Arch Dermatol** 1986 Jan;122(1):66–70

Malignant histiocytosis presenting with vasculitis and cutaneous erythrophagocytosis. Reed WW, et al. **Cutis** 1986 Jul;38(1):63–6

Vasculitis and connective tissue disease syndromes [editorial] Wagner BM. **Hum Pathol** 1985 Oct;16(10):969

Juvenile chronic arthritis associated with systemic vasculitis. Cullen B, et al. **Ir Med J** 1986 Mar;79(3):72–4

Kawasaki disease—a cause of vasculitis in children. Trumble T, et al. **J Pediatr Orthop** 1986 Jan–Feb;6(1):92–5

Retinal vasculitis in mixed connective tissue disease. A fluoroangiographic study. Kraus A, et al. **J Rheumatol** 1985 Dec;12(6):1122–4

Non-A, Non-B hepatitis with necrotizing vasculitis and other extrahepatic manifestations [letter] Vollertsen RS, et al. **J Rheumatol** 1985 Aug;12(4):818–20

Evolving concepts in vasculitis [editorial] Bacon PA. **Q J Med** 1985 Oct;57(222):609–10

[Urticarial vasculitis associated with apparently primary Gougerot-Sjögren syndrome] Rostoker G, et al. **Ann Dermatol Venereol** 1986;113(1):59–62 (Fre)

[A case of necrotizing retinitis and 2 cases of perivasculitis] Durquety MC, et al. **Bull Soc Ophtalmol Fr** 1985 Jun-Jul; 85(6–7):811–5 (Fre)

[Rheumatoid vasculitis and malignant rheumatoid arthritis] Aikawa T, et al. **Nippon Rinsho** 1985 Oct;43(10):2065–9 (Jpn)

[Familial deficiency of B lymphocytes and myeloperoxidase in neutrophils coexistent with skin changes in a female patient] Starzycki Z, et al. **Przegl Dermatol** 1985 Sep–Oct; 72(5):430–4 (Eng. Abstr.) (Pol)

[Pathogenetic mechanisms of microcirculatory disorders in children with rheumatoid arthritis] Saatova GM, et al.

Revmatologiia (Moskva) 1986 Apr-Jun;(2):37-40 (Eng. Abstr.) (Rus)
[Appearance of an arteritis nodosa-type vasculitis in an HBsAg carrier in a hemodialysis program (letter)] Madrenas J, et al. Med Clin (Barc) 1986 May 17;86(19):825 (Spa)

FAMILIAL & GENETIC

Familial malignant atrophic papulosis (Degos' disease)—additional evidence for heredity and a benign course [letter] Habbema L, et al. Br J Dermatol 1986 Jan; 114(1):134-5

HISTORY

[Polyvasculitis. On the 120th anniversary of the first description of periarteritis nodosa] Maldyk E. Patol Pol 1985 Oct-Dec;36(4):329-41 (Pol)

IMMUNOLOGY

Retinal vasculitis associated with autoantibodies to Sjögren's syndrome A antigen. Farmer SG, et al. Am J Ophthalmol 1985 Dec 15;100(6):814-21
Immunological abnormalities in patients with untreated retinal vasculitis. Wakefield D, et al. Br J Ophthalmol 1986 Apr;70(4):260-5
Malignant atrophic papulosis: absence of circulating immune complexes or vasculitis. Tribble K, et al. J Am Acad Dermatol 1986 Aug;15(2 Pt 2):365-9
The aetiology and pathogenesis of major systemic vasculitides. Savage CO, et al. Postgrad Med J 1986 Jul; 62(729):627-36 (109 ref.)
Rheumatoid factors in rheumatoid arthritis and vasculitis. Westedt ML, et al. Rheumatol Int 1985;5(5):209-14
[Vasculitis as an allergic reaction] Otaka Y, et al. Nippon Rinsho 1985 Oct;43(10):2038-43 (24 ref.) (Jpn)
[Decreased C3b receptors of erythrocytes in patients with rheumatoid arthritis—with special reference to the vasculitis syndrome] Yoshizawa H, et al. Ryumachi 1985 Jul;25(3):151-3 (Eng. Abstr.) (Jpn)
[Various quantitative and qualitative characteristics of circulating immune complexes in rheumatic vasculitis] Matulis AA, et al. Ter Arkh 1985;57(8):72-5 (Eng. Abstr.) (Rus)
[A nephrologic approach to vasculitis] Torras A. Med Clin (Barc) 1986 Feb 22;86(7):295-302 (Spa)
[Hypersensitivity vasculitis. A study of 106 cases] San José A, et al. Rev Clin Esp 1986 May;178(8):368-72 (Eng. Abstr.) (Spa)

PATHOLOGY

Renal failure, stroke, and death in an elderly woman with rheumatoid arthritis [clinical conference] Am J Med 1985 Dec;79(6):751-60
Mononuclear cell pulmonary vasculitis in NZB/W mice. II. Immunohistochemical characterization of the infiltrating cells. Harbeck RJ, et al. Am J Pathol 1986 May; 123(2):204-11
Urticarial vasculitis. Gammon WR. Dermatol Clin 1985 Jan; 3(1):97-105
Experimental study on fulminant angitis with fibrinoid-like degeneration. Yamaguchi H, et al. Exp Pathol 1985; 28(3):177-80
Erythema nodosum leprosum: nature and extent of the cutaneous microvascular alterations. Murphy GF, et al. J Am Acad Dermatol 1986 Jan;14(1):59-69
Renal granulomatous angiitis—a case report. Yong JL, et al. Pathology 1986 Jan;18(1):160-1
[Granulomatous gingivitis and vasculitis] Peeters LC, et al. Acta Stomatol Belg 1986 Apr;83(1):7-19 (Eng. Abstr.) (Dut)
[Renal biopsy and diagnosis of angiitis. 13 cases] Gayraud M, et al. Ann Med Interne (Paris) 1985;136(2):102-8 (Eng. Abstr.) (Fre)
[Allergic granulomatosis (Churg-Strauss syndrome). Apropos of a case diagnosed by endomyocardial biopsy (letter)] Kitschke B, et al. Ann Med Interne (Paris) 1986; 137(2):170-1 (Fre)
[Pulmonary granulomatosis and vasculitis] Roland J, et al. Arch Anat Cytol Pathol 1986;34(1):6-11 (Eng. Abstr.) (Fre)
[Nerve and muscle microvasculitis: 50 cases] Vincent D, et al. Rev Neurol (Paris) 1985;141(6-7):440-6 (Eng. Abstr.) (Fre)
[Anatomic and nosologic analysis of 100 cases of diffuse angiitis seen in rheumatology] Wattiaux MJ, et al. Rev Rhum Mal Osteoartic 1985 Nov;52(11):599-603 (Eng. Abstr.) (Fre)
[CNS involvement in primary angiitis—personal clinicomorphologic studies of 6 cases] Lahl R, et al. Psychiatr Neurol Med Psychol (Leipz) 1985 Jul;37(7):400-9 (Eng. Abstr.) (Ger)
[The pathological concept of vasculitis] Hotchi M. Nippon Rinsho 1985 Oct;43(10):2017-25 (20 ref.) (Jpn)
[Vasculitis in dermatologic disease] Saito R. Nippon Rinsho 1985 Oct;43(10):2168-73 (16 ref.) (Jpn)
[Etiology and pathology of vasculitis] Suzuki K, et al. Nippon Rinsho 1985 Oct;43(10):2030-7 (35 ref.) (Jpn)
[Schoenlein-Henoch purpura and hypersensitivity angiitis] Tomino Y, et al. Nippon Rinsho 1985 Oct;43(10):2084-8 (20 ref.) (Jpn)
[Livedo vasculitis] Themido R, et al. Acta Med Port 1985 Jun;6(6):183-5 (Eng. Abstr.) (Por)
[Pathologic and adaptive changes in the hemomicrocirculatory system] Iarygin NE, et al. Arkh Patol 1986;48(3):38-45 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Herpes zoster ophthalmicus and granulomatous angiitis. An ill-appreciated cause of stroke. Verghese A, et al. J Am Geriatr Soc 1986 Apr;34(4):309-12
Defective reticuloendothelial system C3b mediated clearance in rheumatoid arthritis and vasculitis. Cunningham TJ, et al. J Rheumatol 1985 Aug;12(4):675-9

PREVENTION & CONTROL

Failure of cyclophosphamide to prevent cerebritis in Wegener's granulomatosis. Kroneman OC 3d, et al. Am J Med 1986 Mar;80(3):526-7
[Prevention of systemic vasculitis and patient dispensary care] Shilkina NP. Revmatologiia (Moskva) 1985 Jul-Sep; (3):28-31 (Eng. Abstr.) (Rus)

THERAPY

Upper dorsal sympathectomy. Manart FD, et al. Am J Surg 1985 Dec;150(6):762-6
Diagnostic and therapeutic approach to the patient with vasculitis. Haynes BF, et al. Med Clin North Am 1986 Mar; 70(2):355-68

VETERINARY

Two histopathologic types of inflammatory vascular disease in MRL/Mp autoimmune mice. Model for human vasculitis in connective tissue disease. Alexander EL, et al. Arthritis Rheum 1985 Oct;28(10):1146-55

VASCULITIS, ALLERGIC CUTANEOUS

Symposium on urticaria and the reactive inflammatory vascular dermatoses. Dermatol Clin 1985 Jan;3(1):1-193

CHEMICALLY INDUCED

Quinidine-induced vasculitis. Shalit M, et al. Arch Intern Med 1985 Nov;145(11):2051-2
Leucocytoclastic vasculitis and pneumonitis induced by metformin. Klapholz L, et al. Br Med J [Clin Res] 1986 Aug 23;293(6545):483
Hypersensitivity vasculitis associated with streptokinase [letter] Thompson RF, et al. Clin Pharm 1985 Jul-Aug; 4(4):383, 386
[Bullae and urticaria-like lesions of allergic vasculitis with immunomarkers of the bullous pemphigoid type during treatment with D-penicillamine] Gall Y, et al. Ann Dermatol Venereol 1986;113(1):55-8 (Fre)
[Acute iodine poisoning associated with sialadenitis, allergic vasculitis and conjunctivitis following administration of iodine-containing contrast media] Reutter FW, et al. Schweiz Med Wochenschr 1985 Nov 16;115(46):1646-51 (Eng. Abstr.) (Ger)

COMPLICATIONS

Cutaneous extravascular necrotizing granuloma in a patient with Takayasu's aortitis. Perniciaro C, et al. Arch Dermatol 1986 Feb;122(2):201-4
Tubulointerstitial immune complex nephritis in a patient with cutaneous vasculitis. Nojima Y, et al. Clin Nephrol 1986 Jan;25(1):48-51
Cutaneous vasculitis in a patient with acute brucellosis. Franco Vicario R, et al. Dermatologica 1985;171(2):126-8
Urticarial vasculitis and recurrent pleural effusion: a systemic manifestation of urticarial vasculitis. Knobler H, et al. Dermatologica 1986;172(2):120-2
Allergic angiitis and granulomatosis (Churg-Strauss syndrome): report of a case with massive thymic involvement in a nonasthmatic patient. Jessurun J, et al. Hum Pathol 1986 Jun;17(6):637-9
Branch retinal artery occlusion in the Churg-Strauss syndrome. Dagi LR, et al. J Clin Neuro Ophthalmol 1985 Dec;5(4):229-37
[Hypocomplementemic urticarial vasculitis] Sukenik S, et al. Harefuah 1985 Nov;109(9):233-5 (Eng. Abstr.) (Heb)
[Three cases of granulomatous angiitis] Hidaka N, et al. Nippon Kyobu Shikkan Gakkai Zasshi 1985 Jul;23(7):837-42 (Eng. Abstr.) (Jpn)
[Allergic vasculitis complicated by DIC syndrome and multiple thrombosis] Karavaeva IP, et al. Ter Arkh 1986; 58(4):141-2 (Rus)

DIAGNOSIS

Cutaneous necrotizing angiitis. Wenner NP. Compr Ther 1986 May;12(5):13-6
[Erythema elevatum diutinum with joint manifestations] Roux H, et al. Rev Rhum Mal Osteoartic 1986 Mar; 53(3):177-81 (Fre)
[Urticarial vasculitis] Bonelli U, et al. G Ital Dermatol Venereol 1985 Jul-Aug;120(4):265-70 (Eng. Abstr.) (Ita)
[Allergic vasculitis from the clinico-morphological aspect] Roszkiewicz J, et al. Przegl Dermatol 1986 Jan-Feb; 73(1):34-9 (Eng. Abstr.) (Pol)

DRUG THERAPY

Colchicine is effective in controlling chronic cutaneous leukocytoclastic vasculitis. Callen JP. J Am Acad Dermatol 1985 Aug;13(2 Pt 1):193-200

ETIOLOGY

[Cutaneous vasculitis associated with chronic hepatitis: 2 cases] de Maubeuge J, et al. Dermatologica 1985; 171(5):349-54 (Eng. Abstr.) (Fre)
[A case of mononeuritis multiplex associated with hypersensitivity vasculitis] Machida M, et al. Rinsho Shinkeigaku 1986 Apr;26(4):401-4 (Eng. Abstr.) (Jpn)
[Urticarial vasculitis syndrome in cold-induced urticaria] Roszkiewicz J. Przegl Dermatol 1985 Nov-Dec; 72(6):536-41 (Eng. Abstr.) (Pol)
[Peripheral neuropathies caused by antibiotics during their production and administration] Gerasimova MM, et al. Zh Nevropatol Psikhiatr 1986;86(4):496-9 (Eng. Abstr.) (Rus)

IMMUNOLOGY

[Immune complexes in allergies: evidence of IgE-containing immune complexes in Churg-Strauss vasculitis] Krapf FE, et al. Klin Wochenschr 1986 Jun 16;64(12):563-9 (Eng. Abstr.) (Ger)
[Biological properties and cross-reacting antigens of staphylococcus in allergic vasculitis] Shaposhnikov OK, et al. Vestn Dermatol Venerol 1986;(6):4-8 (Eng. Abstr.) (Rus)

PATHOLOGY

Primary idiopathic cutaneous pustular vasculitis. McNeely MC, et al. J Am Acad Dermatol 1986 May;14(5 Pt 2):939-44
[Clinical aspect of cutaneous vasculitis] Saito R. Nippon Hifuka Gakkai Zasshi 1985 Oct;95(12 Suppl):1270-1 (Jpn)

VETERINARY

Focal cutaneous vasculitis and alopecia at sites of rabies vaccination in dogs. Wilcock BP, et al. J Am Vet Med Assoc 1986 May 15;188(10):1174-7

VASCULITIS, HEMORRHAGIC see PURPURA, SCHOENLEIN-HENOCH

VASECTOMY

see related

STERILIZATION REVERSAL

Humoral immune responses in healthy heterosexual, homosexual and vasectomized men and in homosexual men with the acquired immune deficiency syndrome. Witkin SS, et al. AIDS Res 1983-84;1(1):31-44
Immunological consequences of vasectomy and consideration of some of their implications. Blaustein D, et al. Allergol Immunopathol (Madr) 1986 Mar-Apr;14(2):95-9 (22 ref.)
An enzyme-linked immunosorbent assay for measuring antisperm autoantibodies following vasectomy in Lewis rats. Herr JC, et al. Am J Reprod Immunol Microbiol 1986 Jul;11(3):75-81
Suppression of post-vasectomy cytotoxic sperm antibody formation in rats by a short-term pretreatment with cyclosporine. Lovett J, et al. Am J Reprod Immunol Microbiol 1986 Jun;11(2):65-8
The effect of neonatal vasectomy on testicular function. Gerendai I, et al. Andrologia 1986 Jul-Aug;18(4):353-9
Distribution of a seminal plasma-associated protein kinase inhibitor in normal, oligozoospermic, and vasectomized men. Pliego JF, et al. Biol Reprod 1986 Jun;34(5):885-93
Lectin staining of rat testis and epididymis after ligation of excurrent ducts at different levels. Vanha-Perttula T, et al. Biol Reprod 1985 Sep;33(2):477-85
Why does vasectomy reversal fail? Royle MG, et al. Br J Urol 1985 Dec;57(6):780-3
Was the vasectomy necessary after all? Nicholas L. Br Med J [Clin Res] 1986 Mar 1;292(6520):604-5
Sympathetic denervation of the rat vas deferens following unilateral vasectomy. DeGaris RM, et al. Clin Exp Pharmacol Physiol 1986 May;13(5):399-406
Sperm autoimmunity in vasectomized men and its relationship to atherosclerotic coronary artery disease. Liu SC, et al. Clin Reprod Fertil 1985 Dec;3(4):343-8
Serum lipid levels before and after vasectomy in men. Zamora G, et al. Contraception 1985 Aug;32(2):149-61
Cell-mediated immunity to spermatozoal antigens after vasectomy: recent developments. Tumbo-Oeri AG. East Afr Med J 1985 Jun;62(6):372-8
Nature of the residual alpha-1,4-glucosidase activity in the seminal plasma of vasectomized men. Tremblay RR, et al. Enzyme 1985;34(1):33-8
Married women's dissatisfaction with tubal sterilization and vasectomy at first-year follow-up: effects of perceived spousal dominance. Shain RN, et al. Fertil Steril 1986 Jun; 45(6):808-19
A follow up study of 200 men after vasectomy. Milne R, et al. Health Bull (Edinb) 1986 May;44(3):137-42
Humoral & cell mediated immune responses to spermatozoal antigens in vasectomised diabetic monkeys. Bansal N, et

al. **Indian J Med Res** 1986 Mar;83:293–7
Changes in seminiferous tubules after vasectomy. Mehrotra R, et al. **Indian J Pathol Microbiol** 1985 Oct;28(4):371–8
Study of sperm antibodies in the sera of vasectomized males. Murdia A, et al. **Indian J Pathol Microbiol** 1985 Oct; 28(4):355–61
Characteristics of vasectomies performed in selected outpatient facilities in the United States, 1980. Kendrick JS, et al. **J Reprod Med** 1985 Dec;30(12):936–8
To speak is not necessarily to be understood. Avery JK. **J Tenn Med Assoc** 1986 Apr;79(4):212
A 20-year experience with vasovasostomy. Lee HY. **J Urol** 1986 Aug;136(2):413–5
Pregnancies after sterilization. Brahams D. **Lancet** 1986 Mar 15;1(8481):627
Premedication with beta-blocking agents for vasectomy operations [letter] Edwards IS. **Med J Aust** 1986 Jun 9; 144(12):670
Vasectomy and its reversal. Belker AM. **Primary Care** 1985 Dec;12(4):703–17
Vasectomy. Singh H. **Q Med Rev** 1984 Jul;35(3):1–26
[The present state of male contraception] Zvěřina J. **Cas Lek Cesk** 1985 Sep 13;124(37):1157–61 (Eng. Abstr.) **(Cze)**
[Sperm analysis following vasectomy: when to perform a revasectomy?] van Vugt AB, et al. **Ned Tijdschr Geneeskd** 1985 Aug 17;129(33):1579–82 (Eng. Abstr.) **(Dut)**
[Blood supply in the testicle of the vasectomized rat] Nuñez J, et al. **Actas Urol Esp** 1986 Jan–Feb;10(1):65–8 (Eng. Abstr.) **(Spa)**
[Plasma lipids in the vasectomized animal] Nuñez J, et al. **Actas Urol Esp** 1986 Jan–Feb;10(1):69–72 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

The risk of myocardial infarction 10 or more years after vasectomy in men under 55 years of age. Rosenberg L, et al. **Am J Epidemiol** 1986 Jun;123(6):1049–56
Diet and vasectomy: effects on atherogenesis in cynomolgus macaques. Clarkson TB, et al. **Exp Mol Pathol** 1986 Feb; 44(1):29–49
Vasitis nodosa and spermatic granuloma of the skin: an histologic study of a rare complication of vasectomy. Balogh K, et al. **J Cutan Pathol** 1985 Dec;12(6):528–33
Vasal urinary fistula with retrograde reflux of urine after vasectomy. Desai KM, et al. **J Urol** 1986 May; 135(5):1023–4
The effects of vasectomy on the testis [editorial] Flickinger CJ. **N Engl J Med** 1985 Nov 14;313(20):1283–5
Quantitative pathologic changes in the human testis after vasectomy. A controlled study. Jarow JP, et al. **N Engl J Med** 1985 Nov 14;313(20):1252–6
[Risks of male sterilization] von Rütte B. **Ther Umsch** 1986 May;43(5):434–7 (Eng. Abstr.) **(Ger)**
[Effects of vasectomy on the structure of the testicle in the rat] Núñez J, et al. **Actas Urol Esp** 1986 Jan–Feb; 10(1):55–60 (Eng. Abstr.) **(Spa)**
[Effects of vasectomy on the structure of the testicle in the cat] Nuñez J, et al. **Actas Urol Esp** 1986 Jan–Feb;10(1):61–4 (Eng. Abstr.) **(Spa)**
[Spontaneous recanalization after vasectomy—a review] Gatenbeck L, et al. **Lakartidningen** 1985 Sep 11; 82(37):3064–5 **(Swe)**

INSTRUMENTATION

The Sturgeon vas cautery—reusable and battery-powered. Schmidt SS, et al. **Urology** 1986 Mar;27(3):273–4

METHODS

Open-ended vasectomy: an assessment. Errey BB, et al. **Fertil Steril** 1986 Jun;45(6):843–6
Vasectomy failure and open-ended vasectomy [letter] Schmidt SS. **Fertil Steril** 1985 Oct;44(4):557–8
Vasectomy: a simple technique. Singh H. **J Indian Med Assoc** 1985 Sep;83(9):313–4

PSYCHOLOGY

Socio-biological parameters in relation to permanent sterilisation of parents. Gupta KL, et al. **Indian J Pediatr** 1985 Nov–Dec;52(419):655–61
Who has a vasectomy reversal? Clarke L, et al. **J Biosoc Sci** 1986 Jul;18(3):253–9
Married women and contraceptive sterilization: factors that contribute to pre-surgical ambivalence. Miller WB, et al. **J Biosoc Sci** 1985 Oct;17(4):471–9
Psychosocial factors influencing American men and women in their decision for sterilization. Burnell GM, et al. **J Psychol** 1986 Mar;120(2):113–9
The decision to terminate childbearing: differences in preoperative ambivalence between tubal ligation women and vasectomy wives. Shain RN, et al. **Soc Biol** 1984 Spring–Summer;31(1–2):40–58
[Psychological and sexual problems following male sterilization] Burgaard L, et al. **Ugeskr Laeger** 1986 Mar 17;148(12):734–8 (Eng. Abstr.) **(Dan)**

STANDARDS

Vasectomy: what are community standards? Babayan RK, et al. **Urology** 1986 Apr;27(4):328–30

UTILIZATION

Vasectomies performed by private physicians, United States, 1980 to 1984. Kendrick JS, et al. **Fertil Steril** 1986 Sep; 46(3):528–30

VETERINARY

Effect of flushing the vasa deferentia at the time of vasectomy on the rate of clearance of spermatozoa from the ejaculates of dogs and cats. Frenette MD, et al. **Am J Vet Res** 1986 Feb;47(2):463–70

VASOACTIVE AGONISTS see **VASOCONSTRICTOR AGENTS**

VASOACTIVE ANTAGONISTS see **VASODILATOR AGENTS**

VASOACTIVE INTESTINAL PEPTIDE

VIP and related substances. Second international symposium. Cap d'Agde, France, June 18–22, 1985. **Peptides** 1986;7 Suppl 1:1–297
Conformation of peptides of the secretin–VIP–glucagon family in solution. Bodanszky M, et al. **Peptides** 1986;7 Suppl 1:43–8 (56 ref.)

ANALOGS & DERIVATIVES

Vasoactive intestinal peptide receptor antagonist [4Cl-D-Phe6, Leu17] VIP. Pandol SJ, et al. **Am J Physiol** 1986 Apr;250(4 Pt 1):G553–7
Interaction of vasoactive intestinal peptide (VIP) and N-terminally modified VIP analogs with rat pancreatic, hepatic and pituitary membranes. Robberecht P, et al. **Eur J Biochem** 1986 Aug 15;159(1):45–9
[mono(125I)iodo-Tyr10,Met017]-vasoactive intestinal polypeptide. Preparation, characterization, and use for radioimmunoassay and receptor binding. Martin JL, et al. **J Biol Chem** 1986 Apr 25;261(12):5320–7
Cholinergic and VIPergic effects on thyroid hormone secretion in the mouse. Ahrén B. **Peptides** 1985 Jul–Aug; 6(4):585–9

ANALYSIS

Substance P and vasoactive intestinal peptide in bullous and inflammatory skin disease. Wallengren J, et al. **Acta Derm Venereol (Stockh)** 1986;66(1):23–8
Immunoreactivity to material like vasoactive intestinal polypeptide in epidermal cells of lichen sclerosus et atrophicus. Johansson O, et al. **Am J Dermatopathol** 1986 Apr;8(2):105–8
Light and electron microscope demonstration of VIP- and enkephalin-immunoreactive nerves in the human male genitourinary tract. Vaalasti A, et al. **Anat Rec** 1986 May; 215(1):21–7
Primary duodenal small-cell neuroendocrine carcinoma with production of vasoactive intestinal polypeptide. Swanson PE, et al. **Arch Pathol Lab Med** 1986 Apr;110(4):317–20
High levels of vasoactive intestinal peptide in human milk. Werner H, et al. **Biochem Biophys Res Commun** 1985 Nov 27;133(1):228–32
Levels of neural vasoactive intestinal polypeptide in rat uterus are markedly changed in association with pregnancy as shown by immunocytochemistry and radioimmunoassay. Stjernquist M, et al. **Biol Reprod** 1985 Aug;33(1):157–63
VIP-like and GFAP-like immunoreactivities in the chicken lumbo-sacral spinal cord. Nicolardi G, et al. **Boll Soc Ital Biol Sper** 1985 Sep 30;61(9):1231–8
Distribution of VIP- and NPY-like immunoreactivities in rat main olfactory bulb. Gall C, et al. **Brain Res** 1986 May 28;374(2):389–94
Neuropeptides in cerebral cortex of macaque monkey (Macaca fuscata fuscata): regional distribution and ontogeny. Hayashi M, et al. **Brain Res** 1986 Feb 5; 364(2):360–8
Identification of thalamic neurons with vasoactive intestinal polypeptide-like immunoreactivity in the rat. Kaneko T, et al. **Brain Res** 1985 Nov 18;347(2):390–3
The distribution of VIP-immunoreactive neurons in the visual cortex of adult rabbits and during postnatal development. Ramón y Cajal-Agüeras S, et al. **Brain Res** 1986 Apr 9;370(2):333–7
Comparative distribution of neuropeptide tyrosine-, vasoactive intestinal polypeptide-, substance P-immunoreactive, acetylcholinesterase-positive and noradrenergic nerves in the reproductive tract of the female rat. Papka RE, et al. **Cell Tissue Res** 1985;242(3):475–90
Septal afferents to the area dentata terminate on vasoactive intestinal polypeptide (VIP)-like immunoreactive, non-pyramidal neurons. An electron-microscopic immunocytochemical degeneration study in the rat. Schwerdtfeger WK. **Cell Tissue Res** 1986;244(1):235–8
Peptide histidine isoleucine amide stimulates thyroid hormone secretion and coexists with vasoactive intestinal polypeptide in intrathyroid nerve fibers from laryngeal ganglia. Grunditz T, et al. **Endocrinology** 1986 Feb; 118(2):783–90
Composition of the pelvic nerve. Dail WG, et al. **Exp Neurol** 1986 Apr;92(1):278–83
Presence of helodermin-like peptides of the VIP-secretin family in mammalian salivary glands and saliva. Robberecht P, et al. **FEBS Lett** 1985 Oct 7;190(1):142–6
Three dimensional observation of the nerve fibers along the cerebral blood vessels. Itakura T, et al. **Histochemistry** 1986;84(3):217–20
Absence of vasoactive intestinal peptide (VIP) innervation of adipose tissues. Kuroshima A, et al. **Hokkaido Igaku Zasshi** 1986 May;61(3):448–51
Glucagon and VIP in the retina. Ekman R, et al. **Invest Ophthalmol Vis Sci** 1985 Oct;26(10):1405–9
Action and localization of vasoactive intestinal peptide in the coronary circulation: evidence for nonadrenergic, noncholinergic coronary regulation. Brum JM, et al. **J Am Coll Cardiol** 1986 Feb;7(2):406–13
Vasoactive intestinal polypeptide and substance P in primary afferent pathways to the sacral spinal cord of the cat. Kawatani M, et al. **J Comp Neurol** 1985 Nov 15; 241(3):327–47
Presence of vasoactive intestinal polypeptide-like immunoreactivity in the cholinergic electromotor system of Torpedo marmorata. Agoston DV, et al. **J Neurochem** 1986 Aug;47(2):445–53
VIP neurons as prime synaptic targets for serotonin afferents in rat suprachiasmatic nucleus: a combined radioautographic and immunocytochemical study. Bosler O, et al. **J Neurocytol** 1985 Oct;14(5):749–63
Ultrastructural identification of VIP-containing nerve fibres in the myenteric plexus of the rat ileum. Loesch A, et al. **J Neurocytol** 1985 Apr;14(2):327–35
Topography of NPY-, somatostatin-, and VIP-immunoreactive, neuronal subpopulations in the guinea pig celiac-superior mesenteric ganglion and their projection to the pylorus. Lindh B, et al. **J Neurosci** 1986 Aug;6(8):2371–83
Peptidergic innervation in infantile hypertrophic pyloric stenosis. Malmfors G, et al. **J Pediatr Surg** 1986 Apr; 21(4):303–6
Vasoactive intestinal polypeptide-, somatostatin- and substance P-immunoreactive nerves in the smooth and striated muscle of the intrinsic external urethral sphincter of patients with spinal cord injury. Crowe R, et al. **J Urol** 1986 Aug;136(2):487–91
Vasoactive intestinal polypeptide immunopositive neurons in the paraventricular nucleus of homozygous Brattleboro rats. Mezey E. **Neuroendocrinology** 1986;42(1):88–90
Vasoactive intestinal polypeptide afferents to the bed nucleus of the stria terminalis in the rat: an immunohistochemical and biochemical study. Eiden LE, et al. **Neuroscience** 1985 Aug;15(4):999–1013
Ultrastructural immunocytochemical distribution of VIP-like immunoreactivity in dog ileum. Berezin I, et al. **Regul Pept** 1985 Aug;11(4):287–98

ANTAGONISTS & INHIBITORS

Pertussis toxin blocks the inhibitory effects of somatostatin on cAMP-dependent vasoactive intestinal peptide and cAMP-independent thyrotropin releasing hormone-stimulated prolactin secretion of GH3 cells. Yajima Y, et al. **J Biol Chem** 1986 Feb 25;261(6):2684–9
Effects of avian pancreatic peptide on smooth muscle relaxations by vasoactive intestinal peptide and inhibitory nerve stimulation. Ito S, et al. **Jpn J Pharmacol** 1986 Mar; 40(3):423–34
Study of species specificity in growth hormone-releasing factor (GRF) interaction with vasoactive intestinal peptide (VIP) receptors using GRF and intestinal VIP receptors from rat and human: evidence that Ac-Tyr1hGRF is a competitive VIP antagonist in the rat. Laburthe M, et al. **Mol Pharmacol** 1986 Jan;29(1):23–7

BIOSYNTHESIS

Production of "ectopic" vasoactive intestinal peptide-like immunoreactivity in normal human chromaffin cell cultures. Tischler AS, et al. **Life Sci** 1985 Nov 18; 37(20):1881–6
Synthesis and release of vasoactive intestinal polypeptide (VIP) by mouse neuroblastoma cells: modulation by cyclic nucleotides and ascorbic acid. Brick PL, et al. **Peptides** 1985 Nov–Dec;6(6):1075–8
Evidence for common precursors but differential processing of VIP and PHM in VIP-producing tumors. Fahrenkrug J. **Peptides** 1985 May–Jun;6(3):357–61
[A case of multiple hormone producing tumor of the pancreas presenting WDHA syndrome] Hirano M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 May;83(5):1053–8 **(Jpn)**

BLOOD

Oxytocin infusions increase plasma levels of insulin and VIP but not of gastrin in conscious dogs. Stock S, et al. **Acta Physiol Scand** 1985 Oct;125(2):205–10
Influence on plasma levels of somatostatin, gastrin, glucagon, insulin and VIP-like immunoreactivity in peripheral venous blood of anaesthetized cats induced by low intensity afferent stimulation of the sciatic nerve. Uvnäs-Moberg K, et al. **Acta Physiol Scand** 1986 Feb;126(2):225–30
Plasma vasoactive intestinal polypeptide, insulin, gastric inhibitory polypeptide, and blood glucose in late pregnancy and during and after delivery. Holst N, et al. **Am J Obstet Gynecol** 1986 Jul;155(1):126–31
Do substance P and vasoactive intestinal polypeptide (VIP) play a role in the acute occlusive or chronic ischaemic vasodilation in man? Henriksen JH, et al. **Clin Physiol** 1986

Apr;6(2):163–70
Circulating endogenous vasoactive intestinal polypeptide (VIP) in patients with uraemia and liver cirrhosis. Henriksen JH, et al. **Eur J Clin Invest** 1986 Jun;16(3):211–6
Increase in plasma vasoactive intestinal polypeptide (VIP) in muscular exercise in humans. Woie L, et al. **Gen Pharmacol** 1986;17(3):321–6
Vasoactive intestinal peptide in rat hypophysial portal blood: effects of electrical stimulation of various brain areas, the oestrous cycle and anaesthetics. Brar AK, et al. **J Endocrinol** 1985 Sep;106(3):275–80
Interaction of vasoactive intestinal peptide (VIP) with rat lymphoid cells. Calvo JR, et al. **Peptides** 1986 Mar–Apr; 7(2):177–81
Meal stimulated levels of pancreatic polypeptide (PP) and vasoactive intestinal polypeptide (VIP) in gastroplasty for morbid obesity. Miskowiak J, et al. **Regul Pept** 1985 Nov 7;12(3):231–6
Binding of vasoactive intestinal polypeptide (VIP) by human blood monocytes: demonstration of specific binding sites. Wiik P, et al. **Regul Pept** 1985 Oct;12(2):145–53
[Gastrin, secretin, VIP and motilin in children with mucoviscidosis and Crohn disease] Teufel M, et al. **Monatsschr Kinderheilkd** 1986 Mar;134(3):132–7 (Eng. Abstr.) **(Ger)**
[Gastrin, VIP and other gastrointestinal hormones] Yamaguchi K, et al. **Rinsho Byori** 1985 May;33(5):534–8 **(Jpn)**

CEREBROSPINAL FLUID

[Somatostatin and vasoactive intestinal polypeptide in the cerebrospinal fluid of patients with neurological disorders] Shimatsu A, et al. **Rinsho Shinkeigaku** 1985 Nov; 25(11):1305–10 (Eng. Abstr.) **(Jpn)**

GENETICS

Synergistic stimulation of VIP/PHM-27 gene expression by cyclic AMP and phorbol esters in human neuroblastoma cells. Ohsawa K, et al. **Biochem Biophys Res Commun** 1985 Nov 15;132(3):885–91
Structure of the human vasoactive intestinal polypeptide gene. Tsukada T, et al. **DNA** 1985 Aug;4(4):293–300
Vasoactive intestinal peptide: expression of the prohormone in bacterial cells. DeLamarter JF, et al. **Peptides** 1985;6 Suppl 1:95–102
Structure and expression of the vasoactive intestinal peptide (VIP) gene in a human tumor. Gozes I, et al. **Peptides** 1986; 7 Suppl 1:1–6

IMMUNOLOGY

Glucagon, secretin and vasoactive intestinal polypeptide immunoreactivities in rat gut after jejuno-ileal bypass and resection. Murphy RF, et al. **Digestion** 1985;32(2):106–13
Effect of passive immunization with antisera to vasoactive intestinal polypeptide and peptide histidine isoleucine amide on 5-hydroxy-L-tryptophan-induced prolactin release in rats. Kaji H, et al. **Endocrinology** 1985 Nov;117(5):1914–9
GABAergic neurons containing CCK-8-like and/or VIP-like immunoreactivities in the rat hippocampus and dentate gyrus. Kosaka T, et al. **J Comp Neurol** 1985 Sep 22;239(4):420–30
Administration of antisera to vasoactive intestinal polypeptide and peptide histidine isoleucine attenuates ether-induced prolactin secretion in rats. Kaji H, et al. **Neuroendocrinology** 1985 Dec;41(6):529–31

ISOLATION & PURIFICATION

Purification and characterisation of VIP from two species of dogfish. Dimaline R, et al. **Peptides** 1986;7 Suppl 1:21–5
Purification and amino acid sequences of dog, goat and guinea pig VIPs. Eng J, et al. **Peptides** 1986;7 Suppl 1:17–20
Identification of two pro-VIP forms in a human neuroblastoma cell line. Svoboda M, et al. **Peptides** 1986; 7 Suppl 1:7–15
Isolation and partial sequence of elasmobranch VIP. Dimaline R, et al. **Regul Pept** 1986 Mar;14(1):1–10

METABOLISM

Vasoactive intestinal polypeptide and somatostatin in experimental endogenous gram-negative peritonitis. Almdahl SM, et al. **Acta Chir Scand** 1986 Feb;152:135–8
Vasoactive intestinal polypeptide-like immunoreactive nerves to the human eye. Stone RA, et al. **Acta Ophthalmol (Copenh)** 1986 Feb;64(1):12–8
Changes in oviductal VIP content induced by sex steroids and inhibitory effect of VIP on spontaneous oviductal contractility. Helm G, et al. **Acta Physiol Scand** 1985 Oct; 125(2):219–24
Effects of intra-arterially infused adenosine triphosphate (ATP) on release of vasoactive intestinal polypeptide (VIP) from the gastrointestinal tract of the cat. Sjöqvist A, et al. **Acta Physiol Scand** 1985 Dec;125(4):693–8
cAMP immunocytochemistry provides evidence for functional VIP receptors in trachea. Lazarus SC, et al. **Am J Physiol** 1986 Jul;251(1 Pt 1):C115–9
Neurotransmitter modulation of VIP release from cat cerebral cortex. Wang JY, et al. **Am J Physiol** 1986 Jan; 250(1 Pt 2):R104–11
Binding in vitro of vasoactive intestinal peptide on isolated acini of rat parotid glands. Dehaye JP, et al. **Arch Oral Biol** 1985;30(11–12):827–32
Interaction of vasoactive intestinal peptide with rat small intestinal epithelial cells after intestinal resection. Diaz-Juarez JL, et al. **Biosci Rep** 1985 Jul;5(7):559–66
Vasoactive intestinal peptide (VIP) binding to solubilized material from rat liver plasma membranes. Guerrero JM, et al. **Biosci Rep** 1986 Jan;6(1):39–44
Vasoactive intestinal polypeptide neurons in fetal cortical homografts to adult rat spinal cord. Connor JR, et al. **Brain Res** 1986 Mar 5;367(1–2):214–21
Coexistence of calcitonin gene-related peptide and vasoactive intestinal peptide in cholinergic sympathetic innervation of rat sweat glands. Landis SC, et al. **Brain Res** 1986 Jul 2;377(1):177–81
Vasoactive intestinal polypeptide (VIP) increases in the spinal cord after peripheral axotomy of the sciatic nerve originate from primary afferent neurons. Shehab SA, et al. **Brain Res** 1986 Apr 30;372(1):37–44
The origins of the sciatic nerve and changes in neuropeptides after axotomy: a double labelling study using retrograde transport of true blue and vasoactive intestinal polypeptide immunohistochemistry. Shehab SA, et al. **Brain Res** 1986 Jun 18;376(1):180–5
Vasoactive intestinal peptide receptor regulation and reversible desensitization in human colonic carcinoma cells in culture. Boissard C, et al. **Cancer Res** 1986 Sep; 46(9):4406–13
Influence of ligation of pancreatic and bile ducts on the interaction of vasoactive intestinal peptide with rat duodenal epithelial cells. Díaz-Juárez JL, et al. **Comp Biochem Physiol [C]** 1985;82(2):479–82
Changes in the somatostatin, substance P and vasoactive intestinal polypeptide content of the gastrointestinal tract following streptozotocin-induced diabetes in the rat. Ballmann M, et al. **Diabetologia** 1985 Jun;28(6):355–8
Ontogeny of immunoreactive cholecystokinin, vasoactive intestinal peptide, and secretin in guinea pig brain and gut. Huang CG, et al. **Endocrinology** 1986 Mar;118(3):1096–101
Light and agonist alter vasoactive intestinal peptide binding and intracellular accumulation of adenosine 3',5'-monophosphate in the rat pineal gland. Kaku K, et al. **Endocrinology** 1985 Dec;117(6):2371–5
Cycle of the vasoactive intestinal peptide and its binding site in a human adenocarcinoma cell line (HT 29). Luis J, et al. **Eur J Biochem** 1986 May 2;156(3):631–6
Internalization of the vasoactive intestinal peptide (VIP) in a human adenocarcinoma cell line (HT29). Muller JM, et al. **Eur J Biochem** 1985 Oct 1;152(1):107–14
Interaction of vasoactive intestinal peptide (VIP) and N-terminally modified VIP analogs with rat pancreatic, hepatic and pituitary membranes. Robberecht P, et al. **Eur J Biochem** 1986 Aug 15;159(1):45–9
Vasoactive intestinal polypeptide increases in areas of the dorsal horn of the spinal cord from which other neuropeptides are depleted following peripheral axotomy. Shehab SA, et al. **Exp Brain Res** 1986;62(2):422–30
VIP and histamine H2 receptor activity in human fetal gastric glands. Emami S, et al. **Experientia** 1986 Apr 15;42(4):423–5
Autoradiographic localisation of VIP receptors in human lung. Leys K, et al. **FEBS Lett** 1986 Apr 21;199(2):198–202
Enteric nerves in diabetic rats: increase in vasoactive intestinal polypeptide but not substance P. Belai A, et al. **Gastroenterology** 1985 Nov;89(5):967–76
Interaction of vasoactive intestinal peptide (VIP) with human peripheral blood lymphocytes: specific binding and cyclic AMP production. Calvo JR, et al. **Gen Pharmacol** 1986; 17(2):185–9
VIP binding to epithelial cell membranes of rat ventral prostate: effect of guanine nucleotides. Carmena MJ, et al. **Gen Pharmacol** 1985;16(5):495–500
Demonstration of perivascular peptides and changes in concentration with age in man. Edvinsson L, et al. **Gerontology** 1986;32 Suppl 1:50–2
Vasoactive intestinal polypeptide and the ocular innervation. Stone RA. **Invest Ophthalmol Vis Sci** 1986 Jun;27(6):951–7
VIP terminals, axons, and neurons: distribution throughout the length of monkey and cat spinal cord. LaMotte CC, et al. **J Comp Neurol** 1986 Jul 1;249(1):133–45
Vasoactive intestinal peptide. Said SI. **J Endocrinol Invest** 1986 Apr;9(2):191–200 (153 ref.)
Human and canine ventricular vasoactive intestinal polypeptide: decrease with heart failure. Unverferth DV, et al. **J Lab Clin Med** 1986 Jul;108(1):11–6
Evidence for PHI-immunoreactive nerve fibres in the human skin: coexistence with VIP? Johansson O. **Med Biol** 1986; 64(2–3):67–73
Co-localization of neuropeptide Y, vasoactive intestinal polypeptide and dynorphin in non-noradrenergic axons of the guinea pig uterine artery. Morris JL, et al. **Neurosci Lett** 1985 Nov 20;62(1):31–7
Histochemical demonstration of a concomitant reduction in neural vasoactive intestinal polypeptide, acetylcholinesterase, and noradrenaline of cat uterus during pregnancy. Alm P, et al. **Neuroscience** 1986 Jul; 18(3):713–26
VIP receptor activity during HT29-18 cell differentiation and rat intestinal development. Chastre E, et al. **Peptides** 1986;7 Suppl 1:113–9
Two distinct VIP precursors in cartilaginous fish? Ekblad E, et al. **Peptides** 1985;6 Suppl 3:383–8
A VIP/PHI-containing pathway links urinary bladder and sacral spinal cord. Gibson SJ, et al. **Peptides** 1986;7 Suppl 1:205–19 (79 ref.)
Receptors for vasoactive intestinal peptide on isolated human sweat glands. Heinz-Erian P, et al. **Peptides** 1986;7 Suppl 1:151–4
Circadian cycles in VIP content and VIP stimulation of cyclic AMP accumulation in the rat pineal gland. Kaku K, et al. **Peptides** 1986;7 Suppl 1:193–5
Cycle of VIP in the human transformed colonic epithelial cells (HT-29) in culture. Marie JC, et al. **Peptides** 1986; 7 Suppl 1:129–35
Characterization of the vasoactive intestinal peptide (VIP) binding sites: a biochemical and an immunological approach. Marvaldi J, et al. **Peptides** 1986;7 Suppl 1:137–45
Properties and distribution of vasoactive intestinal polypeptide receptors in the rat brain. Ogawa N, et al. **Peptides** 1985;6 Suppl 1:103–9
Solubilization of active receptors for VIP from guinea pig lung. Paul S, et al. **Peptides** 1986;7 Suppl 1:147–9
VIP interaction with intestinal epithelial cells and liver plasma membranes from hepatectomized rats. Prieto JC, et al. **Peptides** 1986;7 Suppl 1:273–8
The receptors of the VIP family peptides (VIP, secretin, GRF, PHI, PHM, GIP, glucagon and oxyntomodulin). Specificities and identity. Rosselin G. **Peptides** 1986;7 Suppl 1:89–100 (179 ref.)
Autoradiographic visualization of CNS receptors for vasoactive intestinal peptide. Shaffer MM, et al. **Peptides** 1986 Mar–Apr;7(2):283–8
VIP binding sites on synaptosomes from rat cerebral cortex: structure–binding relationship. Staun-Olsen P, et al. **Peptides** 1986;7 Suppl 1:181–6
VIP and PHI in cat neurons: co-localization but variable tissue content possible due to differential processing. Fahrenkrug J, et al. **Regul Pept** 1985 Sep;12(1):21–34
Comparison of mammalian VIP bioactivities in dispersed acini from guinea pig pancreas. Raufman JP, et al. **Regul Pept** 1986 Mar;14(1):93–7
Vasoactive intestinal peptide effects on GH3 pituitary tumor cells: high affinity binding, affinity labeling, and adenylate cyclase stimulation. Comparison with peptide histidine isoleucine and growth hormone-releasing factor. Wood CL, et al. **Regul Pept** 1985 Nov 7;12(3):237–48
Pulmonary clearance of vasoactive intestinal peptide. Barrowcliffe MP, et al. **Thorax** 1986 Feb;41(2):88–93

PHARMACODYNAMICS

Lack of plasma prolactin response to intravenously injected vasoactive intestinal polypeptide in patients with prolactin-secreting adenoma. Kaji H, et al. **Acta Endocrinol (Copenh)** 1985 Dec;110(4):445–50
Complementary action of substance P and vasoactive intestinal peptide on the rat parotid secretion. Ekström J, et al. **Acta Physiol Scand** 1986 Jan;126(1):25–31
Electrophysiological effects of substance P and VIP in the denervated rat parotid gland. Thesleff P. **Acta Physiol Scand** 1986 Mar;126(3):377–83
Peptides PHI and VIP: comparison between vascular and nonvascular smooth muscle effect in rabbit uterus. Bardrum B, et al. **Am J Physiol** 1986 Jul;251(1 Pt 1):E48–51
Neuropeptides degranulate serous cells of ferret tracheal glands. Gashi AA, et al. **Am J Physiol** 1986 Aug;251(2 Pt 1):C223–9
Vasoactive intestinal peptide inhibits insulin-stimulated glucose transport in rat adipocytes. Green A, et al. **Am J Physiol** 1985 Dec;249(6 Pt 1):E608–13
Vasoactive intestinal polypeptide provokes acetylcholine release from the myenteric plexus. Kusunoki M, et al. **Am J Physiol** 1986 Jul;251(1 Pt 1):G51–5
Ba2+ inhibition of VIP- and A23187-stimulated Cl- secretion by T84 cell monolayers. Mandel KG, et al. **Am J Physiol** 1986 Mar;250(3 Pt 1):C486–94
Effect of vasoactive intestinal peptide on isolated perfused rat kidney. Rosa RM, et al. **Am J Physiol** 1985 Nov;249(5 Pt 1):E494–7
Actions of vasoactive intestinal peptide and secretin on chief cells prepared from guinea pig stomach. Sutliff VE, et al. **Am J Physiol** 1986 Jul;251(1 Pt 1):G96–102
Cholinergic and pancreatic actions of purified porcine and synthetic vasoactive intestinal peptide (VIP). Blitz W, et al. **Arch Int Pharmacodyn Ther** 1985 Sep;277(1):66–76
Vaso-active intestinal peptide: a neurotransmitter which reduces human NK cell activity and increases Ig synthesis. Drew PA, et al. **Aust J Exp Biol Med Sci** 1985 Jun;63 (Pt 3):313–8
The action of VIP on bile secretion and bile acid output in the non-anaesthetized rat. Ricci GL, et al. **Biochem Pharmacol** 1985 Oct 15;34(20):3765–7
Involvement of cyclic AMP and calcium in exocrine protein secretion induced by vasoactive intestinal polypeptide in rat parotid cells. Scott J, et al. **Biochim Biophys Acta** 1985 Nov 20;847(2):255–62
Modification of HT 29 cell response to the vasoactive intestinal peptide (VIP) by membrane fluidization. el Battari A, et al. **Biochimie** 1985 Dec;67(12):1217–23
Vasoactive intestinal peptide: a novel stimulator of steroidogenesis by cultured rat granulosa cells. Davoren JB, et al. **Biol Reprod** 1985 Aug;33(1):37–52
Cyclic AMP response to vasoactive intestinal peptide and beta-adrenergic or cholinergic agonists in isolated epithelial cells of rat ventral prostate. Carmena MJ, et al. **Biosci Rep** 1985 Sep;5(9):791–7
Vasoactive intestinal polypeptide increases inositol

phospholipid breakdown in the rat superior cervical ganglion. Audigier S, et al. **Brain Res** 1986 Jun 25; 376(2):363–7

Vasoactive intestinal polypeptide nullifies cytochrome reduction response to afferent activation of the perfused bullfrog brain. Kanno T, et al. **Brain Res** 1986 Mar 26; 369(1–2):275–84

Secretin/vasoactive intestinal peptide–stimulated secretion of bombesin/gastrin releasing peptide from human small cell carcinoma of the lung. Korman LY, et al. **Cancer Res** 1986 Mar;46(3):1214–8

Catecholamine, vasoactive intestinal peptide and thyrotrophin–dependent cAMP levels display a different sensitivity to iodothyronines in both normal and pathological human thyroid cells in culture. Brandi ML, et al. **Clin Endocrinol (Oxf)** 1985 Nov;23(5):503–9

Plasma concentration of prolactin during four–day osmotic pump infusion of thyrotropin–releasing hormone and vasoactive intestinal polypeptide in rats. Niimi M, et al. **Endocrinol Jpn** 1985 Dec;32(6):929–32

The immature rat ovary is innervated by vasoactive intestinal peptide (VIP)–containing fibers and responds to VIP with steroid secretion. Ahmed CE, et al. **Endocrinology** 1986 Apr;118(4):1682–9

Vasoactive intestinal polypeptide effects a central inhibition of pulsatile luteinizing hormone secretion in ovariectomized rats. Alexander MJ, et al. **Endocrinology** 1985 Nov; 117(5):2134–9

Effects of vasoactive intestinal peptide on thyroid blood flow and circulating thyroid hormone levels in the rat. Huffman L, et al. **Endocrinology** 1986 Feb;118(2):550–7

Calcium–dependent stimulation of acetylcholine release by substance P and vasoactive intestinal polypeptide. Yau WM, et al. **Eur J Pharmacol** 1986 Jan 21;120(2):241–3

Bombesin, gastrin releasing peptide and vasoactive intestinal peptide excite myenteric neurons. Zafirov DH, et al. **Eur J Pharmacol** 1985 Sep 10;115(1):103–7

Vasoactive intestinal polypeptide stimulates prolactin release in vivo in the ring dove (Streptopelia risoria). Lea RW, et al. **Experientia** 1986 Apr 15;42(4):420–2

Effect of intracerebroventricular injection of vasoactive intestinal polypeptide on systemic blood pressure and pancreatic and gastric secretions in the rat. Mizuta K, et al. **Gastroenterol Jpn** 1986 Feb;21(1):55–61

VIP and hormone secretion from thyroidal follicular and C–cells. Laurberg P. **Horm Metab Res** 1986 Apr; 18(4):230–3

Influence of beta–endorphin, somatostatin, substance P and vasoactive intestinal peptide on the proliferative response of human peripheral blood T lymphocytes to mercuric chloride. Nordlind K, et al. **Int Arch Allergy Appl Immunol** 1986;80(3):326–8

Inotropic responsiveness in hypertensive left ventricular hypertrophy: impaired inotropic response to glucagon and vasoactive intestinal peptide in renal hypertensive rats. Fouad FM, et al. **J Cardiovasc Pharmacol** 1986 Mar–Apr; 8(2):398–405

Unusual antagonistic actions of mixtures of vasoactive intestinal peptide, thyroid–stimulating antibodies, and cholera toxin on adenosine 3',5'–monophosphate accumulation in normal human thyroid cell cultures. Brandi ML, et al. **J Clin Endocrinol Metab** 1986 Jun;62(6):1199–205

Thyroid hormone modulation of VIP's induced salivary secretion in the submaxillary glands of rats. Tumilasci OR, et al. **J Endocrinol Invest** 1986 Feb;9(1):51–5

Vasoactive intestinal polypeptide and acetylcholine are responsible for neurovasodilation in the head of the cat. Bevan JA, et al. **J Hypertension [Suppl]** 1984 Dec; 2(3):S427–9

Effect of vasoactive intestinal polypeptide on the canine cardiovascular system. Unverferth DV, et al. **J Lab Clin Med** 1985 Nov;106(5):542–50

Interactions between vasoactive intestinal peptide and dopamine in the rabbit retina: stimulation of a common adenylate cyclase. Pachter JA, et al. **J Neurochem** 1986 Jan;46(1):257–64

GABAB receptor–mediated enhancement of vasoactive intestinal peptide–stimulated cyclic AMP production in slices of rat cerebral cortex. Watling KJ, et al. **J Neurochem** 1986 Jun;46(6):1755–62

Vasoactive intestinal polypeptide depolarizations in cat bladder parasympathetic ganglia. Akasu T, et al. **J Physiol (Lond)** 1986 May;374:457–73

Vasoactive intestinal peptide augmentation of cholecystokinin–8–stimulated pepsinogen secretion: evidence for dual modulation of chief cell function. Ballantyne GH, et al. **J Surg Res** 1986 Jun;40(6):617–23

Is vasoactive intestinal polypeptide the principal transmitter involved in human penile erection? Adaikan PG, et al. **J Urol** 1986 Mar;135(3):638–40

Forelimb vascular pressures, skin lymph flow and lymph protein concentration as affected by vasoactive intestinal polypeptide and bombesin. Dobbins DE, et al. **Microcirc Endothelium Lymphatics** 1984 Dec;1(6):691–703

On the actions of substance P, somatostatin, and vasoactive intestinal polypeptide on rat peritoneal mast cells and in human skin. Piotrowski W, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Dec; 331(4):364–8

Effect of synthetic chicken and porcine vasoactive intestinal peptide on pancreatic blood flow in dogs. Inoue K, et al. **Neuropeptides** 1986 Apr;7(3):207–17

Effect of insulin on secretion of bombesin–like immunoreactivity and gastrin from the isolated rat stomach in response to acetylcholine, VIP and leucine–enkephalin. Schusdziarra V, et al. **Neuropeptides** 1986 Jan;7(1):51–62

Antidipsogenic action of vasoactive intestinal peptide in the rat. Itoh S, et al. **Neuropharmacology** 1985 Aug;24(8):793–5

Perivascular peptides relax cerebral arteries concomitant with stimulation of cyclic adenosine monophosphate accumulation or release of an endothelium–derived relaxing factor in the cat. Edvinsson L, et al. **Neurosci Lett** 1985 Jul 31;58(2):213–7

Vasoactive intestinal polypeptide promotes sleep without effects on brain temperature in rats at night. Obál F Jr, et al. **Neurosci Lett** 1986 Feb 28;64(2):236–40

Vasoactive intestinal peptide increases tyrosine hydroxylase activity in normal and neoplastic rat chromaffin cell cultures. Tischler AS, et al. **Neurosci Lett** 1985 Oct 24; 61(1–2):141–6

Cholinergic and VIPergic effects on thyroid hormone secretion in the mouse. Ahrén B. **Peptides** 1985 Jul–Aug; 6(4):585–9

Neurotrophic action of VIP on spinal cord cultures. Brenneman DE, et al. **Peptides** 1985;6 Suppl 2:35–9

Effector mechanisms of peptides of the VIP family. Christophe J, et al. **Peptides** 1986;7 Suppl 1:101–7 (42 ref.)

Effect of vasoactive intestinal peptide on serotonin metabolism in the suprachiasmatic area of the rat: mechanism of action. Hery M, et al. **Peptides** 1986 Mar–Apr;7(2):183–8

Actions of VIP, hGRF, PHI and secretin: comparative studies in cerebral cortex and adenohypophysis. Magistretti PJ, et al. **Peptides** 1986;7 Suppl 1:175–80

Helodermin has a VIP–like effect upon canine blood flow. Naruse S, et al. **Peptides** 1986;7 Suppl 1:237–40

Somatocrinin stimulates adenylate cyclase–Ns regulatory subunit in a GH3 cell–line: comparison with VIP. Reyl–Desmars F, et al. **Peptides** 1986;7 Suppl 1:165–7

VIP regulation of a human pancreatic cancer cell line: Capan–1. Ruellan C, et al. **Peptides** 1986;7 Suppl 1:267–71

Vasoactive intestinal polypeptide relaxes pulmonary artery by an endothelium–independent mechanism. Sata T, et al. **Peptides** 1986;7 Suppl 1:225–7

Effect of vasoactive intestinal peptide, peptide histidine isoleucine and growth hormone–releasing factor–40 on bombesin–like immunoreactivity, somatostatin and gastrin release from the perfused rat stomach. Schusdziarra V, et al. **Peptides** 1986 Jan–Feb;7(1):127–33

Vasoactive intestinal peptide actions on cyclic AMP levels in cultured striatal neurons. Weiss S, et al. **Peptides** 1986; 7 Suppl 1:187–92

Effect of mechanical stimulation, substance P and vasoactive intestinal polypeptide on the electrical and mechanical activities of circular smooth muscles from pig coronary arteries contracted with acetylcholine: role of endothelium. Beny JL, et al. **Pharmacology** 1986;33(2):61–8

Digoxin inhibition of relaxation induced by prostacyclin and vasoactive intestinal polypeptide in small human placental arteries. Maigaard S, et al. **Placenta** 1985 Sep–Oct; 6(5):435–43

Vasoactive intestinal peptide and electrical activity influence neuronal survival. Brenneman DE, et al. **Proc Natl Acad Sci USA** 1986 Feb;83(4):1159–62

Vasoactive intestinal polypeptide acts synergistically with norepinephrine to depress spontaneous discharge rate in cerebral cortical neurons. Ferron A, et al. **Proc Natl Acad Sci USA** 1985 Dec;82(24):8810–2

Effects of cholecystokinin and vasoactive intestinal peptide on locomotion and rearing in neofrontal decorticated rats. Katsuura G, et al. **Prog Clin Biol Res** 1985;192:147–50

Innervation of human omental arteries and veins and vasomotor response to noradrenaline, neuropeptide Y, substance P and vasoactive intestinal peptide. Edvinsson L, et al. **Regul Pept** 1985 Sep;12(1):67–79

Effects of VIP, PHM and substance P on blood vessels and secretory elements of the human submandibular gland. Larsson O, et al. **Regul Pept** 1986 Feb;13(3–4):319–26

The biological relevance of HPLC–purified vasoactive intestinal polypeptide monoiodinated at tyrosine 10 or tyrosine 22. Marie JC, et al. **Regul Pept** 1985 Oct; 12(2):113–23

Comparative effects of vasoactive intestinal peptide and secretin on exocrine pancreatic secretion in the cat. Roche C, et al. **Regul Pept** 1985 Oct;12(2):125–32

Vaso–active intestinal peptide affects the renal transport of ions. Plante GE, et al. **Regul Pept [Suppl]** 1985;4:136–40

Interactions of vasoactive intestinal polypeptide and cholecystokinin octapeptide on the control of gallbladder contraction. Strah KM, et al. **Surgery** 1986 Apr; 99(4):469–73

Effect of intracerebroventricular injection of vasoactive intestinal polypeptide on systemic blood pressure, and pancreatic and gastric secretions in the rat. Mizuta K, et al. **Tohoku J Exp Med** 1986 Jan;148(1):115–6

[Effect of VIP on the closing mechanism of the cardia and the pathophysiology of achalasia of the esophagus] Tangoku A. **Nippon Geka Hokan** 1986 Jan 1;55(1):81–95 (Eng. Abstr.) **(Jpn)**

[Effect of substance P and VIP on intraocular muscles] Suzuki R, et al. **Nippon Heikatsukin Gakkai Zasshi** 1985 Aug;21(4):331–2 **(Jpn)**

[Measurement of canine pancreatic blood flow by Laser–Doppler flowmetry: blood flow response to gut hormones (VIP, PHI, GRP)] Hosotani R, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Jun;82(6):1563–71 (Eng. Abstr.) **(Jpn)**

[Effect of vasoactive intestinal polypeptide on liver blood flow in rat] Nakata S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jan;83(1):72–8 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Enteric nerves in diabetic rats: electron microscopic evidence for neuropathy of vasoactive intestinal polypeptide–containing fibres. Loesch A, et al. **Acta Neuropathol (Berl)** 1986;70(2):161–8

Evidence for local neuromodulation of T cell migration in vivo. Ottaway CA. **Adv Exp Med Biol** 1985;186:637–45

Vasoactive intestinal peptide: vasodilatation and cyclic AMP generation. Ganz P, et al. **Am J Physiol** 1986 May;250(5 Pt 2):H755–60

Colonic peristaltic reflex: identification of vasoactive intestinal peptide as mediator of descending relaxation. Grider JR, et al. **Am J Physiol** 1986 Jul;251(1 Pt 1):G40–5

Vasoactive intestinal peptide may participate in the vasodilation of the dog hepatic artery. Varga G, et al. **Am J Physiol** 1986 Aug;251(2 Pt 1):G280–4

PHI–like immunoreactivity in the nervous system of the cockroach (insect) and Aplysia (mollusc) with special reference to its relationship to VIP–like immunoreactivity. Kuramoto H, et al. **Arch Histol Jpn** 1985 Oct;48(4):427–33

Ultrastructural localisation of substance P, vasoactive intestinal polypeptide, somatostatin and neuropeptide Y immunoreactivity in perivascular nerve plexuses of the gut. Fehér E, et al. **Blood Vessels** 1986;23(3):125–36

Distribution and ontogeny of SP, CGRP, SOM, and VIP in chick sensory and sympathetic ganglia. New HV, et al. **Dev Biol** 1986 Aug;116(2):337–46

Gastroduodenal bicarbonate secretion in mucosal protection. Possible role of vasoactive intestinal peptide and opiates. Flemström G, et al. **Dig Dis Sci** 1985 Nov;30(11 Suppl):63S–68S

Substance P– and vasoactive intestinal peptide–containing fibers reach the ovary by independent routes. Dees WL, et al. **Endocrinology** 1986 Aug;119(2):638–41

Vasoactive intestinal polypeptide during penile erection [letter] Kiely EA, et al. **Lancet** 1986 Apr 26;1(8487):973

Endocrine–induced alterations in intestinal motility and transit. Schiller LR. **Nippon Heikatsukin Gakkai Zasshi** 1985 Jul;21 Suppl:47

Neurotransmitter–role of VIP in non–adrenergic relaxation of feline myometrium. Hansen B, et al. **Peptides** 1986;7 Suppl 1:201–3

Intercellular communication mediated by VIP in the cerebral cortex. Magistretti PJ. **Peptides** 1986;7 Suppl 1:169–73 (48 ref.)

Role of vasoactive intestinal polypeptide (VIP) in the neurogenic vasodilatation of the portal vein in the rabbit. Hellstrand P, et al. **Regul Pept** 1985 Nov 28;12(4):309–16

Innervation of periosteum and bone by sympathetic vasoactive intestinal peptide–containing nerve fibers. Hohmann EL, et al. **Science** 1986 May 16;232(4752):868–71

[Vasoactive intestinal peptide: a ubiquitous neuropeptide. Implications in digestive physiopathology] Dupont C, et al. **Arch Fr Pediatr** 1985 Aug–Sep;42(7):551–9 (100 ref.) **(Fre)**

[Vasoactive intestinal peptide (VIP): a ubiquitous neuropeptide member of structural family of regulatory peptides] Laburthe M. **Biochimie** 1985 Dec;67(12):XI–XVII **(Fre)**

SECRETION

Sympathetic nerve activation decreases the release of vasoactive intestinal polypeptide from the feline intestine. Sjöqvist A, et al. **Acta Physiol Scand** 1986 Aug; 127(4):419–23

Secretin, cholecystokinin, and vasoactive intestinal polypeptide in pancreatic cholera [letter] Achord JL. **Ann Intern Med** 1986 Oct;105(4):632

Watery diarrhea syndrome due to an adrenal pheochromocytoma secreting vasoactive intestinal polypeptide. Sackel SG, et al. **Dig Dis Sci** 1985 Dec; 30(12):1201–7

Evidence of local mechanism involvement in vasoactive intestinal polypeptide release from canine small intestine. Chijiiwa Y, et al. **Gastroenterology** 1986 Jun;90(6):1877–81

Effects of dopaminomimetics on the secretion of VIP–like immunoreactivity in conscious dogs. Goiny M, et al. **Peptides** 1986;7 Suppl 1:221–4

Gastric and intestinal release of vasoactive intestinal polypeptide in the milk–fed lamb. Reid AM, et al. **Regul Pept** 1985 Sep;12(1):43–50

[Absence of effect of secretin and cholecystokinin on plasma concentrations of vasoactive intestinal polypeptide and pancreatic glucagon] Bauer FE, et al. **Wien Klin Wochenschr** 1985 Jul 19;97(14):603–5 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Vasoactive intestinal peptide as a bronchodilator in severe asthma. Morice AH, et al. **Peptides** 1986;7 Suppl 1:279–80

VASOCONSTRICTION

Effects of hyperventilation and hypoventilation on stress-induced intestinal vasoconstriction. Winsö O, et al. **Acta Anaesthesiol Scand** 1985 Oct;29(7):726–32

Nervous system control mechanisms in heart failure. Cohn JN. **Acta Med Scand [Suppl]** 1986;707:15–20

Lack of effect of moderate hypoxaemia on human postural reflexes to skeletal muscle. Henriksen O, et al. **Acta Physiol Scand** 1986 Jun;127(2):171–3

NPY—a mediator of reserpine-resistant, non-adrenergic vasoconstriction in cat spleen after preganglionic denervation? Lundberg JM, et al. **Acta Physiol Scand** 1986 Jan;126(1):151–2

The influence of the sympathetic impulse pattern on contractile responses of rat mesenteric arteries and veins. Nilsson H, et al. **Acta Physiol Scand** 1985 Mar;123(3):303–9

Effects of high and low sodium diets on the resistance vessels and their adrenergic vasoconstrictor fibre control in normotensive (WKY) and hypertensive (SHR) rats. Nilsson H, et al. **Acta Physiol Scand** 1985 Oct;125(2):323–34

Hypoxic pulmonary vasoconstriction in the newborn pig—an experimental model. de Stoppelaar EI, et al. **Adv Exp Med Biol** 1985;191:637–45

Systemic vasoconstrictor effects of oxygen administration in obliterative pulmonary vascular disorders. Packer M, et al. **Am J Cardiol** 1986 Apr 1;57(10):853–8

Bicyclo-prostaglandin E2 metabolite in congestive heart failure and relation to vasoconstrictor neurohumoral principles. Punzengruber C, et al. **Am J Cardiol** 1986 Mar 1;57(8):619–23

Vascular capacitance responses to hypercapnia of the vascularly isolated head. Gaddis ML, et al. **Am J Physiol** 1986 Jul;251(1 Pt 2):H164–70

Alpha 1-adrenergic constriction limits coronary flow and cardiac function in running dogs. Gwirtz PA, et al. **Am J Physiol** 1986 Jun;250(6 Pt 2):H1117–26

Tetraethylammonium-induced phasic arterial constriction: temporal and spatial characteristics. Lambert CR, et al. **Am J Physiol** 1986 Aug;251(2 Pt 2):H436–42

O2 consumption during exercise in dogs--roles of splenic contraction and alpha-adrenergic vasoconstriction. Longhurst JC, et al. **Am J Physiol** 1986 Sep;251(3 Pt 2):H502–9

Vascular capacitance responses to severe systemic hypercapnia and hypoxia in dogs. Rothe CF, et al. **Am J Physiol** 1985 Dec;249(6 Pt 2):H1061–9

Lack of sympathetic vasoconstriction in hypoxemic humans at rest. Rowell LB, et al. **Am J Physiol** 1986 Sep;251(3 Pt 2):H562–70

Coronary constrictor effect of stroma-free hemoglobin solutions. Vogel WM, et al. **Am J Physiol** 1986 Aug;251(2 Pt 2):H413–20

Reactive dilation and late-hyperemic constriction of epicardial coronary artery after short coronary occlusion. Yamamoto H, et al. **Am J Physiol** 1986 Sep;251(3 Pt 2):H554–61

Enhanced adrenergic constriction of iliac artery with removal of endothelium in conscious dogs. Young MA, et al. **Am J Physiol** 1986 May;250(5 Pt 2):H892–7

Hypoxic pulmonary vasoconstriction and high altitude pulmonary edema. Naeije R, et al. **Am Rev Respir Dis** 1986 Aug;134(2):332–3

Hypoxic pulmonary vasoconstriction is not potentiated by repeated intermittent hypoxia in closed chest dogs. Chen L, et al. **Anesthesiology** 1985 Dec;63(6):608–10

The fascination of the hypoxic lung [editorial] Grover RF. **Anesthesiology** 1985 Dec;63(6):580–2

Disturbance of contractile function of vena portae in stress and infarction and its prevention. Meerson FZ, et al. **Basic Res Cardiol** 1985 Jul–Aug;80(4):407–16

Contractile action of yohimbine in the dog basilar artery. Oshita M, et al. **Blood Vessels** 1985;22(6):257–64

Sustained cerebral vasoconstriction during bilateral sympathetic stimulation in anesthetized rabbits. Busija DW. **Brain Res** 1985 Oct 21;345(2):341–4

Adenosine modulation of hepatic arterial but not portal venous constriction induced by sympathetic nerves, norepinephrine, angiotensin, and vasopressin in the cat. Lautt WW, et al. **Can J Physiol Pharmacol** 1986 Apr; 64(4):449–54

Effects of nifedipine on hepatic blood volume in cats: indirect venoconstriction and absence of inhibition of postsynaptic alpha 2-adrenoceptor responses. Segstro R, et al. **Can J Physiol Pharmacol** 1986 May;64(5):615–20

A membrane electrical mechanism for hypoxic vasoconstriction of small pulmonary arteries from cat. Harder DR, et al. **Chest** 1985 Oct;88(4 Suppl):233S–235S

Vasoconstriction and remodeling in pulmonary hypertension. Meyrick B, et al. **Chest** 1985 Oct;88(4 Suppl):268S–270S

Site of hypoxic pulmonary vasoconstriction. Staub NC. **Chest** 1985 Oct;88(4 Suppl):240S–245S

Potential role of arachidonic acid metabolites in hypoxic pulmonary vasoconstriction. Voelkel NF, et al. **Chest** 1985 Oct;88(4 Suppl):245S–248S

Smoking-induced coronary vasoconstriction in patients with atherosclerotic coronary artery disease: evidence for adrenergically mediated alterations in coronary artery tone. Winniford MD, et al. **Circulation** 1986 Apr;73(4):662–7

Neurohumoral vasoconstrictor systems in heart failure. Riegger AJ. **Eur Heart J** 1985 Jun;6(6):479–89

Spare alpha adrenoceptors in the peripheral circulation: excitation–contraction coupling. Ruffolo RR Jr. **Fed Proc** 1986 Aug;45(9):2341–6 (44 ref.)

Effects of pheochromocytoma on cardiovascular alpha adrenergic receptor system. Tsujimoto G, et al. **Heart Vessels** 1985 Aug;1(3):152–7

Redox status in the control of pulmonary vascular tone. Archer SL, et al. **Herz** 1986 Jun;11(3):127–41

Blood flow in contracting arterioles. Schmid-Schönbein GW, et al. **Int J Microcirc Clin Exp** 1985;4(4):311–28

Contribution of vasopressin to vasoconstriction in patients with congestive heart failure: comparison with the renin–angiotensin system and the sympathetic nervous system. Creager MA, et al. **J Am Coll Cardiol** 1986 Apr; 7(4):758–65

Chemical sympathectomy decreases alveolar hypoxic vasoconstriction in lambs but not in sheep. Custer JR, et al. **J Appl Physiol** 1986 Jan;60(1):32–7

Forearm skin and muscle vasoconstriction during lower body negative pressure. Tripathi A, et al. **J Appl Physiol** 1986 May;60(5):1535–41

Wedge pressure in large vs. small pulmonary arteries to detect pulmonary venoconstriction. Zidulka A, et al. **J Appl Physiol** 1985 Oct;59(4):1329–32

Functional characterization of preganglionic neurons projecting in the lumbar splanchnic nerves: vasoconstrictor neurons. Bahr R, et al. **J Auton Nerv Syst** 1986 Feb; 15(2):131–40

Reflex patterns in postganglionic vasoconstrictor neurons following chronic nerve lesions. Blumberg H, et al. **J Auton Nerv Syst** 1985 Oct;14(2):157–80

Vasopressor neurons in the rostral ventrolateral medulla of the rabbit. Dampney RA, et al. **J Auton Nerv Syst** 1985 Nov;14(3):239–54

Stress analysis of vasoconstriction at arterial branch sites. Fenton TR, et al. **J Biomech** 1986;19(7):501–9

Adrenoceptors, calcium, and vasoconstriction in normal and hypertensive humans. Bühler FR, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 6:S130–6

Alpha 1-and alpha 2-adrenoceptor mediated vasoconstriction in the forearm of normotensive and hypertensive subjects. Jie K, et al. **J Cardiovasc Pharmacol** 1986 Jan–Feb;8(1):190–6

Pial vascular behavior during bilateral and contralateral cervical sympathetic stimulation. Auer LM, et al. **J Cereb Blood Flow Metab** 1986 Jun;6(3):298–304

Vasoconstrictor role for vasopressin in experimental heart failure in the rabbit. Arnolda L, et al. **J Clin Invest** 1986 Sep;78(3):674–9

Changes in sodium pump activity and vascular contraction. Mulvany MJ. **J Hypertens** 1985 Oct;3(5):429–36 (98 ref.)

Vascular neuroeffector function in two-kidney, one clip hypertensive dogs. Toda N, et al. **J Hypertens** 1985 Oct; 3(5):503–9

Alterations in plasma noradrenaline in response to reflex modulation of sympathetic vasoconstrictor tone to skeletal muscles. Grassi G, et al. **J Hypertension [Suppl]** 1984 Dec; 2(3):S131–3

Potentiation of vasoconstrictor responses to serotonin in the limb of atherosclerotic monkeys. Heistad DD, et al. **J Hypertension [Suppl]** 1986 Apr;4(1):S17–21

Extent of alpha 2-receptor-mediated autoinhibition of vasoconstrictor nerve responses in mesenteric resistance vessels from normotensive and hypertensive rats. Nilsson H, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S103–5

Renal alpha 1- and alpha 2-adrenoceptor mediated vasoconstriction in dogs. Strandhoy JW, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S151–3

Thromboxane A2 and prostacyclin do not modulate the systemic hemodynamic response to cold in humans. Gresele P, et al. **J Lab Clin Med** 1985 Nov;106(5):534–41

Norepinephrine-sensitive, phenoxybenzamine-resistant receptor sites associated with contraction in rabbit arterial but not venous smooth muscle: possible role in adrenergic neurotransmission. Laher I, et al. **J Pharmacol Exp Ther** 1986 May;237(2):364–8

Evidence against serotonin as a vasoconstrictor neurotransmitter in the rabbit basilar artery. Levitt B, et al. **J Pharmacol Exp Ther** 1986 Sep;238(3):880–5

Sympathetic vasoconstriction and renin secretion cause pressor responses to thyrotropin-releasing hormone in rats. Mattila J, et al. **J Pharmacol Exp Ther** 1986 Jul;238(1):232–6

Desensitization of aortic smooth muscle contraction in rats harboring pheochromocytoma. Rosenbaum JS, et al. **J Pharmacol Exp Ther** 1986 Aug;238(2):396–400

Evaluation of alpha-1 and alpha-2 adrenoceptor-mediated vasoconstriction in the in situ, autoperfused, pulmonary circulation of the anesthetized dog. Shebuski RJ, et al. **J Pharmacol Exp Ther** 1986 Jul;238(1):217–23

Vascular reactivity and panic attacks [letter] Freedman RR. **JAMA** 1985 Nov 1;254(17):2411

Regional difference in sympathetic vasoconstrictor tone in conscious rats. Iriuchijima J, et al. **Jpn J Physiol** 1985; 35(6):1051–63

Vasomotion and transvascular exchange of fluid and plasma proteins. Papenfuss HD, et al. **Microcirc Endothelium Lymphatics** 1985;2(6):577–96

Heterogeneous distribution of adrenergic receptors in coronary arteries and their influence on coronary arterial tone. Turlapaty PD, et al. **Microcirc Endothelium Lymphatics** 1985;2(6):617–42

Microvessel diameter changes during hemorrhagic shock in unanesthetized hamsters. Colantuoni A, et al. **Microvasc Res** 1985 Sep;30(2):133–42

Transcapillary fluid exchange during arteriolar vasomotion. Salathé EP, et al. **Microvasc Res** 1986 Jan;31(1):115–8

Microvascular adjustments during irreversible hemorrhagic shock in rat skeletal muscle. Zhao KS, et al. **Microvasc Res** 1985 Sep;30(2):143–53

Alkalosis attenuates hypoxic pulmonary vasoconstriction in neonatal lambs. Lyrene RK, et al. **Pediatr Res** 1985 Dec; 19(12):1268–71

Heat-induced vasoconstriction in the fingers: a mechanism for reducing heat gain through the hand heated locally. Nagasaka T, et al. **Pflugers Arch** 1986 Jul;407(1):71–5

Serotonin and vascular reactivity. Van Nueten JM, et al. **Pharmacol Res Commun** 1985 Jul;17(7):585–608 (65 ref.)

Heat loss and anticipatory finger vasoconstriction induced by a smoking of a single cigarette. Saumet JL, et al. **Physiol Behav** 1985 Aug;35(2):229–32

The role of membrane hyperpolarization in the direct effects of hypoxia on isolated cerebral arteries. Pearce WJ, et al. **Proc West Pharmacol Soc** 1985;28:131–4

On the mechanism of renal vasoconstriction induced by acetylcholine in indomethacin-treated dogs. Ho SS, et al. **Renal Physiol** 1985;8(6):310–20

Time course of pulmonary vasoconstriction with repeated hypoxia and glucose depletion. Ohe M, et al. **Respir Physiol** 1986 Feb;63(2):177–86

Dependence of cerebral arterial contractions on intracellularly stored Ca++. Sasaki T, et al. **Stroke** 1986 Jan–Feb;17(1):95–7

[Hypoxic pulmonary vasoconstriction] Herget J. **Cesk Fysiol** 1985;34(4):347–56 (Cze)

[Coronary vasomotor activity in man. Description of a method of quantification and normal values] Lablanche JM, et al. **Arch Mal Coeur** 1986 Jan;79(1):13–20 (Eng. Abstr.) (Fre)

[Regulation of vascular tone by the endothelium] Busse R, et al. **Z Kardiol** 1985;74 Suppl 7:99–106 (Eng. Abstr.) (Ger)

[Hypoxic pulmonary vasoconstriction] Kubo K, et al. **Kokyu To Junkan** 1985 Dec;33(12):1412–21 (158 ref.) (Jpn)

[Hypoxic pulmonary vasoconstriction during one lung ventilation in the dog] Inoue H, et al. **Kyobu Geka** 1985 Dec;38(12):949–52 (Eng. Abstr.) (Jpn)

[Role of vascular endothelial cells in vasoconstriction and vasodilation] Itoh S, et al. **Nippon Heikatsukin Gakkai Zasshi** 1985 Aug;21(4):272–4 (Jpn)

[The role of serotonin, histamine and prostaglandins on potentiation of hypoxic pulmonary vasoconstriction by repeated intermittent hypoxic challenges in dogs] Nakanishi S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jan; 24(1):42–8 (Eng. Abstr.) (Jpn)

[The role of prostaglandins on hypoxic pulmonary vasoconstriction in dogs—especially the role of PGI2] Nakanishi S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Mar;24(3):243–8 (Eng. Abstr.) (Jpn)

[Effect of elevated systemic arterial pressure on neurogenic vasoconstriction in the microcirculatory bed of rat skeletal muscles] Timkina MI, et al. **Biull Eksp Biol Med** 1985 Sep; 100(9):259–61 (Eng. Abstr.) (Rus)

[Molecular mechanisms of contraction of the vascular smooth muscles and the role of Ca2+ translocation in the development of contractile reactions to changes in oxygenation] Bershtein SA, et al. **Fiziol Zh** 1985 Jul–Aug; 31(4):473–87 (73 ref.) (Rus)

[Evaluation of tobacco-related main artery vasoconstriction by a new index of the Doppler wave] Sancho A, et al. **Angiologia** 1986 Mar–Apr;38(2):100–5 (Eng. Abstr.) (Spa)

DRUG EFFECTS

Pharmacology of human coronary arteries. Godfraind T. **Acta Cardiol (Brux)** 1985;40(5):441–6

Pentobarbital inhibits the vasoconstrictor response to renal venous pressure elevation in the dog kidney. Abildgaard U. **Acta Physiol Scand** 1985 Aug;124(4):625–7

Effects of Ca2+ on force-velocity characteristics of normal and hypertrophic smooth muscle of the rat portal vein. Arner A, et al. **Acta Physiol Scand** 1985 Aug;124(4):525–33

Vasoconstrictor effect of high FFA/albumin ratios in adipose tissue in vivo. Bülow J, et al. **Acta Physiol Scand** 1985 Dec;125(4):661–7

Characterization of the contractile effect of neuropeptide Y in feline cerebral arteries. Edvinsson L. **Acta Physiol Scand** 1985 Sep;125(1):33–41

Neuropeptide Y (NPY) and sympathetic control of blood flow in oral mucosa and dental pulp in the cat. Edwall B, et al. **Acta Physiol Scand** 1985 Oct;125(2):253–64

Influence of acetylcholine, peptides, and other vasodilators on endogenous noradrenaline overflow and vasoconstriction in canine blood perfused gracilis muscle. Kahan T, et al. **Acta Physiol Scand** 1985 Jul;124(3):457–65

Hypoxic pulmonary vasoconstriction in isolated rat lungs perfused with perfluorocarbon emulsion. Lindgren L, et al. **Acta Physiol Scand** 1985 Mar;123(3):335–8

Effects of alpha-adrenoceptor subtype-selective antagonists on the human saphenous vein in vivo. Steen S, et al. **Acta Physiol Scand** 1986 Jan;126(1):15–9

Possible contribution of digitalis-induced coronary constriction to toxicity. Tanz RD. **Am Heart J** 1986 Apr;

111(4):812–7 (50 ref.)
Inhibitory effect of calcium antagonist drugs on vasoconstriction induced by vascular alpha 2-adrenoceptor stimulation. van Zwieten PA, et al. **Am J Cardiol** 1986 Feb 26;57(7):11D–15D (33 ref.)
Increased Ca2+ sensitivity of alpha 1-adrenoceptor-stimulated contraction in SHR caudal artery. Aqel MB, et al. **Am J Physiol** 1986 Feb;250(2 Pt 1):C275–82
Mechanism of action of vasoconstrictor responses to striopeptin II in conscious SHR. Lappe RW, et al. **Am J Physiol** 1985 Dec;249(6 Pt 2):R781–6
BAY K 8644 potentiates and A23187 inhibits hypoxic vasoconstriction in rat lungs. McMurtry IF. **Am J Physiol** 1985 Oct;249(4 Pt 2):H741–6
5-Hydroxytryptamine delays relaxation time of norepinephrine-induced vasoconstriction. Manzini S, et al. **Am J Physiol** 1986 Jan;250(1 Pt 2):H121–30
The glutathione redox cycle as a defense system against hydrogen-peroxide-induced prostanoid formation and vasoconstriction in rabbit lungs. Seeger W, et al. **Am Rev Respir Dis** 1986 Jun;133(6):1029–36
Increased norepinephrine release from dog pulmonary artery caused by nitrous oxide. Rorie DK, et al. **Anesth Analg** 1986 Jun;65(6):560–4
Influence of isoflurane on hypoxic pulmonary vasoconstriction in dogs. Domino KB, et al. **Anesthesiology** 1986 Apr;64(4):423–9
Inhalation anesthetics augment oxidant-induced pulmonary vasoconstriction: evidence for a membrane effect. Shayevitz JR, et al. **Anesthesiology** 1985 Dec;63(6):624–32
Glucocorticoid-induced vasoconstriction in human skin. An inhibitory role on phospholipase A2 activity. Marks R, et al. **Arch Dermatol** 1986 Aug;122(8):881–3
Pharmacological analysis of vasoconstrictor responses to ATP of isolated, perfused dog mesenteric arteries. Chiba S, et al. **Arch Int Pharmacodyn Ther** 1986 May;281(1):79–88
Effects of PN 200–110, a new calcium antagonist, on alpha 1- and alpha 2-adrenoceptor mediated vasoconstriction elicited by selective alpha-adrenoceptor agonists and catecholamines in the pithed rat. Jie K, et al. **Arch Int Pharmacodyn Ther** 1985 Nov;278(1):72–86
Antihypertensive mechanism of alacepril: effect on norepinephrine-induced vasoconstrictive response in vitro and in vivo. Takeyama K, et al. **Arzneimittelforschung** 1986; 36(1):74–7
Specific antagonists of platelet activating factor-mediated vasoconstriction and glycogenolysis in the perfused rat liver. Buxton DB, et al. **Biochem Pharmacol** 1986 Mar 15; 35(6):893–7
Histamine-induced constriction and dilatation of rabbit middle cerebral arteries in vitro: role of the endothelium. Sercombe R, et al. **Blood Vessels** 1986;23(3):137–53
Reversal of nitrous oxide-induced depression of hypoxic pulmonary vasoconstriction by lignocaine hydrochloride during collapse and ventilation hypoxia of the left lower lobe. Bindslev L, et al. **Br J Anaesth** 1986 Apr;58(4):451–6
Effect of lignocaine and nitrous oxide on hypoxic pulmonary vasoconstriction in the dog constant-flow perfused left lower lobe preparation. Bindslev L, et al. **Br J Anaesth** 1986 Mar;58(3):315–20
Effects of i.a. lignocaine on adrenaline-induced vasoconstriction. Pateromichelakis S, et al. **Br J Anaesth** 1986 Jun;58(6):649–52
Comparison of the vasoactivity of amide and ester local anaesthetics. An intradermal study. Willatts DG, et al. **Br J Anaesth** 1985 Oct;57(10):1006–11
The human skin blanching assay—use and abuse [letter] Gaylarde PM. **Br J Dermatol** 1986 May;114(5):636–8
Relative potencies of topical steroids [letter] Gibson JR, et al. **Br J Dermatol** 1986 May;114(5):638–9
Evidence for the existence of 5-hydroxytryptamine receptors, which are not of the 5-HT2 type, mediating contraction of rabbit isolated basilar artery. Bradley PB, et al. **Br J Pharmacol** 1986 Jan;87(1):3–4
The effect of a calcium antagonist, nitrendipine, on the responses of isolated strips of human, chorionic plate artery to prostaglandins E2 and E1. Broughton Pipkin F, et al. **Br J Pharmacol** 1985 Nov;86(3):705–9
Effects of Bay K 8644 on 45Ca uptake and efflux and on contraction in the rabbit aorta. Dong YJ, et al. **Br J Pharmacol** 1986 Jan;87(1):139–45
Bay K 8644, a dihydropyridine calcium agonist, augments vasoconstrictor responses to endogenous and exogenous noradrenaline in the peripheral vasculature of the dog. Goto T, et al. **Br J Pharmacol** 1985 Aug;85(4):913–6
Similarity and dissimilarity of the vasoconstrictor effects of Bay K 8644 on coronary, femoral, mesenteric and renal circulations of dogs. Ishii K, et al. **Br J Pharmacol** 1986 Jun;88(2):369–77
Modulation by endothelium of contractile responses in rat aorta in absence and presence of flunarizine. Miller RC, et al. **Br J Pharmacol** 1985 Nov;86(3):655–61
Coronary vasoconstriction in the rat, isolated perfused heart induced by platelet-activating factor is mediated by leukotriene C4. Piper PJ, et al. **Br J Pharmacol** 1986 Jul; 88(3):595–605
Modification of hypoxic pulmonary vasoconstriction by aerosolized cromolyn sodium. Ahmed T, et al. **Bull Eur Physiopathol Respir** 1986 Jan–Feb;22(1):61–4
Effects of diethylcarbamazine and cromolyn sodium on hypoxic pulmonary vasoconstriction in dogs. Naeije R, et al. **Bull Eur Physiopathol Respir** 1986 Jan–Feb;22(1):75–80
Platelet antiaggregatory substances inhibit arachidonic acid induced coronary constriction. Ioannou P, et al. **Can J Physiol Pharmacol** 1986 Apr;64(4):398–405
Mechanisms of alpha-adrenoceptor mediated contractions of rat mesenteric artery. Kannan MS, et al. **Can J Physiol Pharmacol** 1986 Apr;64(4):419–23
Absence of role of endothelium in the response of isolated porcine coronary arteries to acetylcholine. Gräser T, et al. **Cardiovasc Res** 1986 Apr;20(4):299–302
Methylergometrine, an active metabolite of methysergide. Müller-Schweinitzer E, et al. **Cephalalgia** 1986 Mar; 6(1):35–41
Prostaglandins and estradiol-induced attenuation of hypoxic pulmonary vasoconstriction. Sylvester JT, et al. **Chest** 1985 Oct;88(4 Suppl):252S–254S
Cardiovascular effects associated with antidiuretic activity of vasopressin after blockade of its vasoconstrictor action in dehydrated dogs. Liard JF. **Circ Res** 1986 May; 58(5):631–40
Vascular endothelium contributes to decreased aortic contractility in experimental sepsis. McKenna TM, et al. **Circ Shock** 1986;19(3):267–73
Neurotransmitter release, vascular responsiveness and their suppression by Ca-antagonist in perfused mesenteric vasculature of DOCA-salt hypertensive rats. Tsuda K, et al. **Clin Exp Hypertens [A]** 1986;8(2):259–75
The effect of ketanserin on post-anaesthetic vasoconstriction and shivering. Nalda MA, et al. **Eur J Anaesthesiol** 1985 Sep;2(3):265–77
Effects of indomethacin, prostaglandins E2 and I2 on the tone of human isolated femoral arteries. Hadházy P, et al. **Eur J Clin Invest** 1986 Jun;16(3):248–51
Antagonism by some ergot derivatives of 5-HT-induced vasoconstriction. Conolan S, et al. **Eur J Pharmacol** 1986 Apr 16;123(2):299–302
Alpha 2-adrenoceptor-mediated coronary vasoconstriction persists after exhaustion of coronary dilator reserve. Deussen A, et al. **Eur J Pharmacol** 1985 Sep 24; 115(2-3):147–53
The effects of PGE2 and CL 115,347, an antihypertensive PGE2 analogue, on human blood platelet behaviour and vascular contractility. Gray SJ, et al. **Eur J Pharmacol** 1985 Aug 15;114(2):129–37
Ethanol induced dose-dependent vasoconstriction in unanesthetized lambs. Drummond W, et al. **Exp Lung Res** 1985;9(3-4):341–9
Three phase contractile response of rabbit pulmonary artery to norepinephrine: influence of ruthenium red and calcium. Howell RE, et al. **Gen Pharmacol** 1986;17(1):105–8
Interference of pentobarbital and thiopental with the vascular contraction and noradrenaline release in human cerebral arteries. Sánchez-Ferrer CF, et al. **Gen Pharmacol** 1985; 16(5):469–73
Comparison of vasoconstrictor actions of norepinephrine and potassium chloride before and after damage of endothelium by saponin. Chiba S, et al. **Heart Vessels** 1986;2(1):1–5
Nicardipine releases sustained coronary arterial constriction induced by acetylcholine in the rhesus monkey. Satoh K, et al. **Heart Vessels** 1985 May;1(2):74–7
The influence of indomethacin on blood pressure during the infusion of vasopressors. Rowe BP. **Hypertension** 1986 Sep; 8(9):772–8
The effect of ketanserin on hypoxia-induced vasoconstriction in isolated lungs. Helgesen KG, et al. **Int J Microcirc Clin Exp** 1986;5(1):65–72
Pulmonary vascular tone is increased by a voltage-dependent calcium channel potentiator. Tolins M, et al. **J Appl Physiol** 1986 Mar;60(3):942–8
Opposing hemodynamic effects of substance P on pulmonary vasculature in rabbits. Worthen GS, et al. **J Appl Physiol** 1985 Oct;59(4):1098–103
Comparison of the effects of labetalol and SCH 19927, the R1R isomer of labetalol, on the rat isolated right ventricle and aorta. Doggrell SA, et al. **J Auton Pharmacol** 1985 Dec;5(4):279–88
Neuropeptide Y induces and modulates vasoconstriction in intracranial and peripheral vessels of animals and man. Hanko JH, et al. **J Auton Pharmacol** 1986 Jun;6(2):117–24
Ganglionic dopamine receptors as mediators of the inhibition of neurogenic vasoconstriction produced by fenoldopam. Lokhandwala MF, et al. **J Auton Pharmacol** 1985 Dec; 5(4):301–5
Platelet-activating factor-mediated vasoconstriction and glycogenolysis in the perfused rat liver. Buxton DB, et al. **J Biol Chem** 1986 Jan 15;261(2):644–9
Effects of beta-adrenergic stimulation on 1-O-hexadecyl-2-acetyl-sn-glycero-3-phosphocholine-mediated vasoconstriction and glycogenolysis in the perfused rat liver. Fisher RA, et al. **J Biol Chem** 1986 Jul 5;261(19):8817–23
Hepatic transformation of prostaglandin D2 to a new prostanoid, 9 alpha,11 beta-prostaglandin F2, that inhibits platelet aggregation and constricts blood vessels. Pugliese G, et al. **J Biol Chem** 1985 Nov 25;260(27):14621–5
Modification of the vasoconstrictor effects of noradrenaline and serotonin by the selective calcium antagonist PY 108-068 in the peripheral circulation of anesthetized cats. Hof RP, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 6:S53–60
Antagonism of vasopressin-induced coronary artery constriction by the vasopressin antagonist d(CH2)5Tyr(Me)-AVP. Kopia GA, et al. **J Cardiovasc Pharmacol** 1985 Sep-Oct;7(5):958–63
Mechanism of the pulmonary vasoconstrictor action of digoxin in the dog. Mecca TE, et al. **J Cardiovasc Pharmacol** 1985 Sep-Oct;7(5):833–40
Comparison of the effects of the vasoconstrictive dihydropyridines BAY K 8644 and CGP 28392 on isolated rat aorta: different sensitivities to ultraviolet radiation. Mikkelsen EO, et al. **J Cardiovasc Pharmacol** 1986 May-Jun;8(3):476–82
Pizotifen, an antimigraine drug with venoconstrictor activity in vivo. Müller-Schweinitzer E. **J Cardiovasc Pharmacol** 1986 Jul-Aug;8(4):805–10
Alpha 1-adrenoceptor subtype mediates norepinephrine-induced contraction of the rabbit isolated ovarian artery. Oriowo MA, et al. **J Cardiovasc Pharmacol** 1986 Jul-Aug;8(4):858–63
Calcium entry blockade and alpha-adrenergic responsiveness in vivo. Pedrinelli R, et al. **J Cardiovasc Pharmacol** 1985; 7 Suppl 6:S199–205
Prostacyclins are only weak antagonists of coronary vasospasm induced by authentic thromboxane A2 and serotonin. Schrör K, et al. **J Cardiovasc Pharmacol** 1986 May-Jun;8(3):607–13
Effect of BTS 49465 on hypoxic pulmonary vasoconstriction. Smith JG, et al. **J Cardiovasc Pharmacol** 1986 Jul-Aug; 8(4):878–84
Interactions of thromboxane A2 analogs and prostaglandins in isolated dog arteries. Toda N, et al. **J Cardiovasc Pharmacol** 1986 Jul-Aug;8(4):818–25
Calcium dependency of vasoconstriction mediated by alpha 1- and alpha 2-adrenoceptors. van Zwieten PA, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 6:S113–20
The modification of platelet-induced coronary vasoconstriction by a thromboxane receptor antagonist. Verheggen R, et al. **J Cardiovasc Pharmacol** 1986 May-Jun; 8(3):483–90
RU 486 inhibits peripheral effects of glucocorticoids in humans. Gaillard RC, et al. **J Clin Endocrinol Metab** 1985 Dec;61(6):1009–11
Adrenoceptor types in the respiratory vasculature of the salamander gill. Malvin GM. **J Comp Physiol [B]** 1985; 155(5):591–6
Centrally-induced vasodepressor responses to diltiazem, a calcium channel blocker, in rats. Iyoda I, et al. **J Hypertens** 1985 Dec;3(6):639–44
Adrenaline induces vasoconstriction through post-junctional alpha 2 adrenoceptors and this response is enhanced in patients with essential hypertension. Bolli P, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S115–8
Calcium influx mediated vasoconstriction: studies in patients with mild and moderate essential hypertension. Hulthén UL, et al. **J Hypertension [Suppl]** 1983 Dec;1(2):105–8
Augmentation of vasoconstrictor responses to serotonin by acute and chronic factors: inhibition by ketanserin. Van Nueten JM, et al. **J Hypertension [Suppl]** 1986 Apr; 4(1):S55–9
Influence of plasma renin content, intrarenal angiotensin II, captopril, and calcium channel blockers on the vasoconstriction and renin release promoted by adenosine in the kidney. Macías-Nuñez JF, et al. **J Lab Clin Med** 1985 Nov;106(5):562–7
Arginine-vasopressin analogues with high antidiuretic/vasopressor selectivity. Synthesis, biological activity, and receptor binding affinity of arginine-vasopressin analogues with substitutions in positions 1, 2, 4, 7, and 8. Grzonka Z, et al. **J Med Chem** 1986 Jan;29(1):96–9
Effects of nimodipine on in vitro contractility of cerebral arteries of dog, monkey, and man. Nosko M, et al. **J Neurosurg** 1986 Sep;65(3):376–81
Acetylcholine-induced contractions in isolated rabbit pulmonary arteries: role of thromboxane A2. Altiere RJ, et al. **J Pharmacol Exp Ther** 1986 Feb;236(2):535–41
Relationship between receptors mediating serotonin (5-HT) contractions in the canine basilar artery to 5-HT1, 5-HT2 and rat stomach fundus 5-HT receptors. Cohen ML, et al. **J Pharmacol Exp Ther** 1986 Jun;237(3):713–8
Contractions of isolated canine coronary arteries resistant to S2-serotonergic blockade. Cohen RA. **J Pharmacol Exp Ther** 1986 May;237(2):548–52
Contribution of Ca++ and calmodulin to the action of norepinephrine on renal prostaglandin synthesis and vascular tone. Cooper CL, et al. **J Pharmacol Exp Ther** 1986 Feb;236(2):424–31
Kinetic definition of agonist efficacy at a 5-hydroxytryptamine (5-HT2) receptor in the isolated rabbit aorta. Cory RN, et al. **J Pharmacol Exp Ther** 1986 Jan;236(1):48–54
Differential inhibition of alpha-1 vs. alpha-2 adrenoceptor-mediated responses in canine saphenous vein by nitroglycerin. Eskinder H, et al. **J Pharmacol Exp Ther** 1986 Aug;238(2):515–21
Alpha adrenoceptor antagonists selectively reduce thrombin-stimulated contraction in rabbit arteries. Garland CJ, et al. **J Pharmacol Exp Ther** 1986 Sep;238(3):947–53
Sustained coronary vasoconstriction provoked by a peptidergic substance released from endothelial cells in culture. Gillespie MN, et al. **J Pharmacol Exp Ther** 1986 Feb;236(2):339–43
Effect of PGD2 on cardiac contractility: a negative inotropism secondary to coronary vasoconstriction

conceals a primary positive inotropic action. Hattori Y, et al. **J Pharmacol Exp Ther** 1986 Jun;237(3):719–24

Effects of prolonged isoproterenol infusion on cardiac and vascular responses to adrenoceptor agonists. Hayes JS, et al. **J Pharmacol Exp Ther** 1986 Jun;237(3):757–63

Responses of the isolated perfused mesenteric vasculature from diabetic rats: the significance of appropriate control tissues. Longhurst PA, et al. **J Pharmacol Exp Ther** 1985 Oct;235(1):45–9

Depression of contractile responses in rat aorta by spontaneously released endothelium-derived relaxing factor. Martin W, et al. **J Pharmacol Exp Ther** 1986 May; 237(2):529–38

Canine basilar artery contractions mediated by 5-hydroxytryptamine1A receptors. Peroutka SJ, et al. **J Pharmacol Exp Ther** 1986 Jun;237(3):901–6

Measurement of thermodynamic parameters for norepinephrine contraction of isolated rabbit thoracic aorta. Raffa RB, et al. **J Pharmacol Exp Ther** 1985 Dec; 235(3):596–600

Role of 5'-nucleotidase in adenosine-mediated renal vasoconstriction during hypoxia. Ramos-Salazar A, et al. **J Pharmacol Exp Ther** 1986 Feb;236(2):494–9

Vasoconstrictor threshold synergism and potentiation in the rabbit isolated thoracic aorta. Stupecky GL, et al. **J Pharmacol Exp Ther** 1986 Sep;238(3):802–8

Noradrenaline and adenosine triphosphate as co-transmitters of neurogenic vasoconstriction in rabbit mesenteric artery. von Kügelgen I, et al. **J Physiol (Lond)** 1985 Oct;367:435–55

Effects of prostacyclin (PGI2) on hypoxic pulmonary vasoconstriction in the conscious adult sheep. Kubo K, et al. **Jpn Circ J** 1985 Jul;49(7):685–91

Effects of prostaglandin E1 and isosorbide dinitrate on acute hypoxic pulmonary vasoconstriction in conscious sheep. Yoshimura K. **Jpn Circ J** 1985 Oct;49(10):1081–9

Effect of nifedipine on neuropeptide Y-induced coronary vasoconstriction in anesthetized dogs. Hayashi M, et al. **Jpn Heart J** 1986 Mar;27(2):251–7

Different sensitivities of vasoconstrictor responses to serotonin and KCl of isolated and perfused dog mesenteric arteries with and without endothelia. Chiba S, et al. **Jpn J Pharmacol** 1985 Oct;39(2):271–3

Analysis of ouabain-induced contractions in isolated coronary arteries. Shimizu I, et al. **Jpn J Pharmacol** 1986 Feb;40(2):257–63

Mechanisms mediating canine renal vasoconstriction induced by nicotine infusion. Hock CE, et al. **Life Sci** 1985 Nov 25;37(21):1997–2003

Prompt termination and/or prevention of cold-pressor-stimulus-induced vasoconstriction of different vascular beds by magnesium sulfate in patients with Prinzmetal's angina. Cohen L, et al. **Magnesium** 1986; 5(3–4):144–9

Rheographic indications for reduced cerebral vasoconstriction after oral magnesium medication in tetanic patients, a double-blind, placebo-controlled trial. Fehlinger R, et al. **Magnesium** 1986;5(2):60–5

Vasomotor effects of magnesium: a comparison with nifedipine and verapamil of in vitro reactivity in feline cerebral and peripheral arteries. Sjögren A, et al. **Magnesium** 1986;5(2):66–75

Evidence for constriction of canine prenodal lymphatic vessels by vasoactive agents and carotid occlusion. Dabney JM, et al. **Microcirc Endothelium Lymphatics** 1985 Feb; 2(1):55–65

Pertussis toxin attenuates angiotensin II-induced vasoconstriction and inhibition of renin release. Hackenthal E, et al. **Mol Cell Endocrinol** 1985 Sep;42(2):113–7

Calcium entry blockers inhibit vasoconstrictor responses to sympathetic nerve stimulation mediated by alpha 1-adrenoceptors. Holck M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jul; 330(1):22–32

Functional characterization of substance P receptors in the rabbit ear artery. Illes P, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 May; 333(1):52–8

Vasoconstriction induced by noradrenaline and angiotensin II is antagonized by eicosapentaenoic acid independent of formation of trienoic eicosanoids. Juan H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Mar; 332(3):288–92

Influence of neuronal uptake on the contribution of smooth muscle alpha 2-adrenoceptors to vasoconstrictor responses to noradrenaline in SHR and WKY isolated tail arteries. Medgett IC, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Jan; 332(1):43–9

Differential effects of alpha-beta-methylene ATP on responses to nerve stimulation in SHR and WKY tail arteries. Vidal M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Apr; 332(4):384–90

The vasoconstrictor effect of neuropeptide Y and related peptides in the guinea pig isolated heart. Rioux F, et al. **Peptides** 1986 Jan–Feb;7(1):27–31

Inhibitory effect of dichlorvos on arterial smooth muscle contraction. Ebeigbe AB, et al. **Pharmacol Res Commun** 1986 Mar;18(3):283–91

Evidence for the site of action of glycerol trinitrate and diltiazem in inhibiting vasoconstrictor responses to norepinephrine in isolated renal arteries. Gross GJ, et al. **Pharmacology** 1986;32(1):1–10

The effects of substance P on the preconstricted pulmonary vasculature of the anesthetized dog. Archer SL, et al. **Proc Soc Exp Biol Med** 1986 Oct;183(1):19–27

5-Hydroxytryptamine is an alpha agonist in rabbit blood vessels. Purdy RE, et al. **Proc West Pharmacol Soc** 1985; 28:123–5

Amplification of the threshold contractile response to agonists in the rabbit isolated thoracic aorta. Stupecky GL, et al. **Proc West Pharmacol Soc** 1985;28:119–21

Specific hemodynamic effects of PGE2 and PGF1 alpha in the canine lung. Townsley MI, et al. **Prostaglandins Leukotrienes Med** 1985 Dec;20(3):275–82

Coronary vasoactivity of four 7,13-bridged analogs of arachidonic acid. Yanagisawa A, et al. **Prostaglandins Leukotrienes Med** 1986 Jul;23(1):15–9

Evidence for different pre-and post-junctional receptors for neuropeptide Y and related peptides. Wahlestedt C, et al. **Regul Pept** 1986 Feb;13(3–4):307–18

alpha-Difluoromethylornithine, an inhibitor of polyamine synthesis, attenuates monocrotaline-induced pulmonary vascular hyperresponsiveness in isolated perfused rat lungs. Gillespie MN, et al. **Res Commun Chem Pathol Pharmacol** 1985 Dec; 50(3):365–78

Vasoconstriction: a new activity for platelet-derived growth factor. Berk BC, et al. **Science** 1986 Apr 4;232(4746):87–90

Coronary vasoconstrictor effects of atriopeptin II. Wangler RD, et al. **Science** 1985 Nov 1;230(4725):558–61

The effect of intravenous lidoflazine on serotonin-induced cerebral vascular contraction—an in vivo study. Rosenwasser RH, et al. **Stroke** 1986 Jul–Aug;17(4):728–30

Thrombin-induced vasoconstriction in isolated cerebral arteries and the influence of a synthetic thrombin inhibitor. Nakamura K, et al. **Thromb Res** 1985 Dec 1;40(5):715–20

Influence of the thromboxane antagonist BM 13.177 on the arachidonic acid-induced increase in pulmonary vascular resistance and permeability in rabbit lungs. Seeger W, et al. **Thromb Res** 1985 Dec 15;40(6):793–805

T-2 toxin can cause vasoconstriction in an in vitro bovine ear perfusion system. Wilson DJ, et al. **Toxicol Appl Pharmacol** 1985 Jun 15;79(1):159–65

Hydrogen peroxide induced pulmonary vasoconstriction in isolated rat lungs is attenuated by U60,257, a leucotriene synthesis blocker. Burghuber OC, et al. **Wien Klin Wochenschr** 1986 Feb 21;98(4):117–9

[Ungual capillaroscopy with the cold test in 152 hypertensive patients treated with beta-blockers] Lagrue G, et al. **Therapie** 1985 Nov–Dec;40(6):429 **(Fre)**

[Coronary vasoconstrictory action of LTD—angiographical documentation of coronary spasm and the evaluation of its mechanism in relation to prostanoids metabolism] Kaseda N. **Kokyu To Junkan** 1986 May;34(5):547–53 (Eng. Abstr.) **(Jpn)**

[Comparisons of vasoconstrictions induced by alpha agonists either in the luminal perfusate or in the adventitial superfusate] Matsuda H, et al. **Kokyu To Junkan** 1985 Nov; 33(11):1323–9 **(Jpn)**

[Difference in vasoconstrictor responses of the internal and external carotid arteries to norepinephrine] Kawai Y, et al. **Nippon Heikatsukin Gakkai Zasshi** 1985 Aug; 21(4):274–6 **(Jpn)**

[Opiate component in the realization of the vascular effects of clonidine] Medvedev OS. **Biull Eksp Biol Med** 1986 Jan; 101(1):52–5 (Eng. Abstr.) **(Rus)**

VASOCONSTRICTOR AGENTS

Digitalis: neurally mediated arrhythmogenic and coronary vasoconstrictor properties. Somberg JC. **J Clin Pharmacol** 1985 Oct;25(7):529–39 (27 ref.)

Pulmonary vascular effects of a fibrin(ogen)-derived vasoactive peptide. Kern DF, et al. **Thromb Res** 1986 Jun 15;42(6):783–8

ADMINISTRATION & DOSAGE

Pulmonary inactivation of vasopressors following cardiac operations. Hochberg MS, et al. **Ann Thorac Surg** 1986 Feb;41(2):200–3

ANTAGONISTS & INHIBITORS

Prevention of arginine-vasopressin-induced motor disturbances by a potent vasopressor antagonist. Burnard DM, et al. **Brain Res** 1986 Jan 1;362(1):40–6

Antagonistic activity of aligeron and papaverine against different smooth muscle stimuli. Miyares K, et al. **Methods Find Exp Clin Pharmacol** 1985 Sep;7(9):473–6

CHEMICAL SYNTHESIS

Studies on topical antiinflammatory corticosteroids. III. Synthesis and vasoconstrictive activity of 11 beta,17 alpha,21-trihydroxy-2'-phenyl-2'H-2,4-pregnadieno[3,2-c]pyrazol- 20-one derivatives. Sugai S, et al. **Chem Pharm Bull (Tokyo)** 1986 Apr;34(4):1613–8

Studies on topical antiinflammatory corticosteroids. II. Synthesis and vasoconstrictive activity of 11 beta,17 alpha,21-trihydroxy-6 alpha-methyl-1,4-pregnadiene-3,20-dione 17-methoxy- and (methylthio)acetates. Sugai S, et al. **Chem Pharm Bull (Tokyo)** 1986 Apr;34(4):1607–12

Studies on topical antiinflammatory corticosteroids. I. Syntheses and vasoconstrictive activities of 11 beta,17 alpha,21-trihydroxy-6 alpha-methyl-1,4-pregnadiene-3,20-dione 17-ester and 17,21-diester derivatives. Sugai S, et al. **Chem Pharm Bull (Tokyo)** 1985 May;33(5):1889–98

METABOLISM

[Inactivation of vasoactive substances in the canine lung] Wagai F, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Nov;23(11):1337–42 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

In vitro perfusion studies on human umbilical arteries. I. Vasoactive effects of serotonin, PGF2 alpha and PGE2. Bjøro K, et al. **Acta Obstet Gynecol Scand** 1986;65(4):351–5

Substances that rapidly augment ionic conductance of endothelium in cerebral venules. Olesen SP, et al. **Acta Physiol Scand** 1986 Jun;127(2):233–41

Mechanical effects of vasoactive drugs on carotid sinus. Bell LB, et al. **Am J Physiol** 1986 Jun;250(6 Pt 2):R1074–80

Role of the vasoconstrictor and antidiuretic activities of vasopressin in inhibition of renin secretion in conscious dogs. Schwartz J, et al. **Am J Physiol** 1986 Jan;250(1 Pt 2):F92–6

Pharmacological analysis of vasoconstrictor responses to ATP of isolated, perfused dog mesenteric arteries. Chiba S, et al. **Arch Int Pharmacodyn Ther** 1986 May;281(1):79–88

Release of atriopeptin in the rat by vasoconstrictors or water immersion correlates with changes in right atrial pressure. Katsube N, et al. **Biochem Biophys Res Commun** 1985 Dec 31;133(3):937–44

Role of phospholipase C and protein kinase C in vasoconstrictor-induced prostaglandin synthesis in cultured rat renal mesangial cells. Pfeilschifter J, et al. **Biochem J** 1986 Feb 15;234(1):125–30

Neuropeptide Y: a powerful modulator of epithelial ion transport. Friel DD, et al. **Br J Pharmacol** 1986 Jun; 88(2):425–31

Hypertension alters slope and range but not sensitivity to vasoconstrictor and vasodilator agents in the rabbit hindquarter. Wright CE, et al. **Clin Exp Pharmacol Physiol** 1986 Apr;13(4):301–4

The effects of vasoconstricting prostanoids on the coronary and hindlimb vascular beds of the conscious sheep. Carter J, et al. **Comp Biochem Physiol [C]** 1986;83(2):407–12

Prazosin but not rauwolscine reduces a component of the constrictor action of thrombin in the rabbit femoral artery. Garland CJ, et al. **Eur J Pharmacol** 1985 Jul 11;113(1):151–2

Endothelium-dependent inhibition of the use of extracellular calcium for the arterial response to vasoconstrictor agents. Oshiro ME, et al. **Gen Pharmacol** 1985;16(6):567–72

Direct effects of vasoactive substances on superficial human veins in vivo. Aellig WH. **Int Angiol** 1985 Apr–Jun; 4(2):235–42

Age-dependent change in the response of isolated beagle cerebral arteries to vasoactive agents. Toda N, et al. **J Cardiovasc Pharmacol** 1986 Jul–Aug;8(4):681–8

Sustained coronary vasoconstriction provoked by a peptidergic substance released from endothelial cells in culture. Gillespie MN, et al. **J Pharmacol Exp Ther** 1986 Feb;236(2):339–43

Response of the forelimb vasculature to vasoactive agents: effects of ouabain. Dobbins DE, et al. **Microcirc Endothelium Lymphatics** 1985;2(5):517–49

NPY stimulates nett absorption across rat intestinal mucosa in vivo. MacFadyen RJ, et al. **Neuropeptides** 1986 Apr; 7(3):219–27

Neuropeptide Y depresses reflex urinary bladder contractions in rats and modifies central activity of opioid agonists. Dray A, et al. **Peptides** 1986 Mar–Apr;7(2):323–9

Effects of neuropeptide Y (NPY) on the release of anterior pituitary hormones in the rat. Kerkerian L, et al. **Peptides** 1985 Nov–Dec;6(6):1201–4

Neuropeptide Y: direct and indirect action on insulin secretion in the rat. Moltz JH, et al. **Peptides** 1985 Nov–Dec;6(6):1155–9

The vasoconstrictor effect of neuropeptide Y and related peptides in the guinea pig isolated heart. Rioux F, et al. **Peptides** 1986 Jan–Feb;7(1):27–31

Paraventricular nucleus injections of peptide YY and neuropeptide Y preferentially enhance carbohydrate ingestion. Stanley BG, et al. **Peptides** 1985 Nov–Dec; 6(6):1205–11

Stimulation of feeding in the satiated pig by intracerebroventricular injection of neuropeptide Y. Parrott RF, et al. **Physiol Behav** 1986;36(3):523–5

Evaluation of angiotensins II and III as vasoconstrictors in the hepatic and hindlimb vasculatures of dogs. Britton SL, et al. **Proc Soc Exp Biol Med** 1986 Jan;181(1):125–30

[Isolated modification of the vascular system by vasopressor agents (akrinor, etilefrin, ephedrine, norfenefrine, amezinium) during extracorporeal circulation in man] Boldt J, et al. **Anaesthesist** 1986 Feb;35(2):93–8 (Eng. Abstr.) **(Ger)**

[Functional changes in the pulmonary arteries of pulmonary hypertensive rats] Nakashima M. **Bull Chest Dis Res Inst Kyoto Univ** 1982 Mar;15(1–2):60–9 (Eng. Abstr.) **(Jpn)**

[Effect of neuropeptide Y on the sympathetic neuromuscular junction of the lymphatic venule wall] Ohashi T. **Nippon Heikatsukin Gakkai Zasshi** 1985 Aug;21(4):270–2

(Jpn)
[The site of action of vasoactive agents on the pulmonary vascular bed in excised canine lung lobe preparations perfused with pulsatile flow] Haneda T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jan;24(1):20–9 (Eng. Abstr.) (Jpn)
[Vasoconstrictor responses of isolated pig coronary arteries] Ikenoue K, et al. **Nippon Yakurigaku Zasshi** 1986 Mar; 87(3):281–90 (Eng. Abstr.) (Jpn)

PHYSIOLOGY

Activation of the central vasopressin system: a common pathway for several centrally acting pressor agents. Gruber KA, et al. **Am J Physiol** 1986 Sep;251(3 Pt 2):R476–80

POISONING

Cerebral infarct after an overdose of anti-cold medicines [letter] Klugman H. **S Afr Med J** 1986 Feb 15;69(4):222

THERAPEUTIC USE

Successful vasoconstrictor therapy of anaphylactoid reactions during induction of anaesthesia. A report of two cases. Pontén J, et al. **Acta Anaesthesiol Scand** 1985 Aug; 29(6):639–42
Vasopressin analogs in portal hypertension: different molecules but similar questions. Blei AT. **Hepatology** 1986 Jan–Feb;6(1):146–7
The use of a vasoconstrictor to improve tumour blood flow in intra-arterial chemotherapy: preliminary report. Ziessman HA, et al. **Nucl Med Commun** 1985 Dec; 6(12):777–86

VASOCONSTRICTOR AGENTS, NASAL

ADVERSE EFFECTS

Fetal heart rate changes following maternal administration of a nasal decongestant. Baxi LV, et al. **Am J Obstet Gynecol** 1985 Dec 1;153(7):799–800
Branch retinal artery occlusion after excessive use of nasal spray. Magargal LE, et al. **Ann Ophthalmol** 1985 Aug; 17(8):500–1
Probable adrenal suppression from intranasal beclomethasone. Sorkin S, et al. **J Fam Pract** 1986 May; 22(5):449–50
[Iatrogenic pseudohyperaldosteronism: clinical polymorphism] Parazzi F, et al. **Minerva Endocrinol** 1985 Apr–Jun;10(2):125–8 (Eng. Abstr.) (Ita)

POISONING

Atrioventricular block following overdose of decongestant cold medication. Burton BT, et al. **J Emerg Med** 1985; 2(6):415–9

VASODILATION

Vascular reactivity during the first year of diabetes in children. Kobbah M, et al. **Acta Paediatr Scand [Suppl]** 1985;320:56–63
Non-cholinergic vasodilation in the tracheobronchial tree of the cat induced by vagal nerve stimulation. Martling CR, et al. **Acta Physiol Scand** 1985 Oct;125(2):343–6
Blockade of endothelium-dependent vasodilation by hemoglobin: a possible factor in vasospasm associated with hemorrhage. Furchgott RF, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 15:499–502
Coronary vascular responses to hypoxia in the diabetic lamb: independence from adenosine and autonomic mechanisms. Downing SE, et al. **Am Heart J** 1986 Aug;112(2):272–9
Renal vasodilation with ureteral occlusion and prostaglandins: attenuation by histamine H1 antagonists. Banks RO, et al. **Am J Physiol** 1985 Dec;249(6 Pt 2):F851–7
Vasoactive intestinal peptide: vasodilatation and cyclic AMP generation. Ganz P, et al. **Am J Physiol** 1986 May;250(5 Pt 2):H755–60
Cold-induced vasodilatation in isolated, perfused rat tail artery. Gardner CA, et al. **Am J Physiol** 1986 Jul;251(1 Pt 2):H176–81
Impaired arteriolar vasodilation induced by thrombosis of a coronary arterial stenosis. Gewirtz H, et al. **Am J Physiol** 1985 Dec;249(6 Pt 2):H1154–66
Carotid chemoreceptor reflex parasympathetic coronary vasodilation in the dog. Ito BR, et al. **Am J Physiol** 1985 Dec;249(6 Pt 2):H1167–75
Vagal nerve stimulation causes noncholinergic dilatation of gastric arterioles. Morishita T, et al. **Am J Physiol** 1986 May;250(5 Pt 1):G660–4
Intestinal blood flow and O2 uptake during hypoxemia in the newborn piglet. Nowicki PT, et al. **Am J Physiol** 1986 Jul;251(1 Pt 1):G19–24
Skeletal muscle vasodilation during electrical stimulation of the preoptic recess. Proctor KG, et al. **Am J Physiol** 1986 Feb;250(2 Pt 2):H221–5
Effect of arteriolar dilation on coronary artery diameter distal to coronary stenoses. Schwartz JS, et al. **Am J Physiol** 1985 Nov;249(5 Pt 2):H981–8
Attenuation of hindlimb vasodilation in heat-stressed baboons during dehydration. Thornton RM, et al. **Am J Physiol** 1986 Jan;250(1 Pt 2):R30–5
Vasoactive intestinal peptide may participate in the vasodilation of the dog hepatic artery. Varga G, et al. **Am J Physiol** 1986 Aug;251(2 Pt 1):G280–4
Reactive dilation and late-hyperemic constriction of epicardial coronary artery after short coronary occlusion. Yamamoto H, et al. **Am J Physiol** 1986 Sep;251(3 Pt 2):H554–61
Acetylcholine-induced pulmonary vasodilation in lung vascular injury. Feddersen CO, et al. **Am Rev Respir Dis** 1986 Feb;133(2):197–204
The role of endothelium in the control of vascular tone. Busse R, et al. **Basic Res Cardiol** 1985 Sep–Oct;80(5):475–90 (78 ref.)
Mechanisms of vasodilation. 4th international symposium. Rochester, Minn., July 10–12, 1986. Abstracts. **Blood Vessels** 1986;23(2):55–110
Role of endothelium in the control of arterial diameter by blood flow. Smieško V, et al. **Blood Vessels** 1985; 22(5):247–51
Endothelium-dependent inhibition of platelet aggregation. Azuma H, et al. **Br J Pharmacol** 1986 Jun;88(2):411–5
Trigeminal antidromic vasodilatation and plasma extravasation in the rat: effects of sensory, autonomic and motor denervation. Couture R, et al. **Brain Res** 1985 Oct 28;346(1):108–14
Muscarinic cholinergic receptors mediate the cerebrovasodilation elicited by stimulation of the cerebellar fastigial nucleus in rat. Iadecola C, et al. **Brain Res** 1986 Mar 19;368(2):375–9
Relationships between cardiac hyperactivity, oxygen tension, and release of vasodilator material in coronary autoregulation of guinea-pig hearts. Broadley KJ, et al. **Can J Physiol Pharmacol** 1986 Apr;64(4):388–97
Effects of chronic hypertension on vasa vasorum in the thoracic aorta. Marcus ML, et al. **Cardiovasc Res** 1985 Dec; 19(12):777–81
Effect of development on coronary vasodilator reserve in the isolated guinea pig heart. Toma BS, et al. **Circ Res** 1985 Oct;57(4):538–44
Superoxide generation and reversal of acetylcholine-induced cerebral arteriolar dilation after acute hypertension. Wei EP, et al. **Circ Res** 1985 Nov;57(5):781–7
Mediation of flow-dependent arterial dilation by endothelial cells. Kaiser L, et al. **Circ Shock** 1986;18(2):109–14
The claimed vasodilatory effect of a commercial permanent magnet foil: results of a double-blind trial. Barker AT, et al. **Clin Phys Physiol Meas** 1985 Aug;6(3):261–3
Effects of human menstrual cycle on thermoregulatory vasodilation during exercise. Hirata K, et al. **Eur J Appl Physiol** 1986;54(6):559–65
Sympathetic, muscarinic vasodilation in cranial vessels of the cat. Tuttle F Jr. **Experientia** 1986 Jul 15;42(7):817–9
Studies on endothelium-dependent vasorelaxation. DeFeudis FV. **Gen Pharmacol** 1986;17(1):1–4 (37 ref.)
Cold vasodilatation in persons chronically exposed to low positive temperatures. Gedymin MYu, et al. **Hum Physiol** 1984 Jan–Feb;10(1):24–9
Selective vasodilation produced by renal denervation in adult spontaneously hypertensive rats. Krueger AD, et al. **Hypertension** 1986 May;8(5):372–8
The loss of endothelium-dependent vascular relaxation in hypertension. Lockette W, et al. **Hypertension** 1986 Jun; 8(6 Pt 2):II61–6
Crucial role of endothelium in the vasodilator response to increased flow in vivo. Pohl U, et al. **Hypertension** 1986 Jan;8(1):37–44
Effects of hypertension and hypercholesterolemia on vasodilatation in the rabbit. Wright CE, et al. **Hypertension** 1986 May;8(5):361–71
Dissociation of the responses of the renin-angiotensin system and sympathetic nervous system to a vasodilator stimulus in congestive heart failure. Levine TB, et al. **Int J Cardiol** 1986 Aug;12(2):165–73
Noninvasive assessment of coronary stenoses by myocardial perfusion imaging during pharmacologic coronary vasodilation. VIII. Clinical feasibility of positron cardiac imaging without a cyclotron using generator-produced rubidium-82. Gould KL, et al. **J Am Coll Cardiol** 1986 Apr;7(4):775–89
Assessment of coronary stenoses by myocardial perfusion imaging during pharmacologic coronary vasodilation. VII. Validation of coronary flow reserve as a single integrated functional measure of stenosis severity reflecting all its geometric dimensions. Kirkeeide RL, et al. **J Am Coll Cardiol** 1986 Jan;7(1):103–13
Pressure-flow relations of diaphragm and vital organs with nitroprusside-induced vasodilatation. Magder S. **J Appl Physiol** 1986 Aug;61(2):409–16
Vasodilator reserve in respiratory muscles during maximal exertion in ponies. Manohar M. **J Appl Physiol** 1986 May; 60(5):1571–7
Mode of neural control mediating rat tail vasodilation during heating. O'Leary DS, et al. **J Appl Physiol** 1985 Nov; 59(5):1533–8
Enhanced maximal metabolic vasodilatation in the dominant forearms of tennis players. Sinoway LI, et al. **J Appl Physiol** 1986 Aug;61(2):673–8
Cyclic guanosine monophosphate as a mediator of vasodilation. Murad F. **J Clin Invest** 1986 Jul;78(1):1–5 (58 ref.)
Induced vasodilation in the treatment of posttraumatic digital cold intolerance. Brown FE, et al. **J Hand Surg [Am]** 1986 May;11(3):382–7
Importance of the time course of aortic diastolic calibre dilation for baroreceptor resetting in acute hypertension. Michelini LC, et al. **J Hypertension [Suppl]** 1984 Dec; 2(3):S387–9
On vasodilators, magnesium and second messengers. Charbon GA. **J Mal Vasc** 1986;11(2):168–77
Coronary vasodilation shifts the diastolic pressure–dimension curve of the left ventricle. Verrier ED, et al. **J Mol Cell Cardiol** 1986 Jun;18(6):579–94
Selective hemoglobin inhibition of endothelium-dependent vasodilation of rabbit basilar artery. Fujiwara S, et al. **J Neurosurg** 1986 Mar;64(3):445–52
Effect of age on beta adrenergic relaxation of the rat jugular vein. Duckles SP, et al. **J Pharmacol Exp Ther** 1986 Jan; 236(1):71–4
Induced vasodilation as a home treatment for Raynaud's disease. Jobe JB, et al. **J Rheumatol** 1985 Oct;12(5):953–6
Transmural coronary vasodilator reserve and flow distribution in unanesthetized calves sojourning at 3500 m. Manohar M, et al. **J Surg Res** 1985 Dec;39(6):499–509
Changes in vascular resistance in the feline urinary bladder in response to bladder filling. Andersson PO, et al. **J Urol** 1985 Nov;134(5):1041–6
Vascular reactivity and panic attacks [letter] Freedman RR. **JAMA** 1985 Nov 1;254(17):2411
Mechanism of endothelium-dependent vasorelaxation. DeFeudis FV. **Med Hypotheses** 1985 Aug;17(4):363–74
Microvessel diameter changes during hemorrhagic shock in unanesthetized hamsters. Colantuoni A, et al. **Microvasc Res** 1985 Sep;30(2):133–42
Serotonin and vascular reactivity. Van Nueten JM, et al. **Pharmacol Res Commun** 1985 Jul;17(7):585–608 (65 ref.)
Telethermographic findings after transcutaneous electrical nerve stimulation. Leandri M, et al. **Phys Ther** 1986 Feb; 66(2):210–3
Vasodilator proteins: role in delayed cerebral vasospasm. White RP. **Stroke** 1986 Mar–Apr;17(2):207–13
Renal vasodilation after unilateral renal ablation. Hahne B, et al. **Ups J Med Sci** 1985;90(2):181–91
[Coronary vasomotor activity in man. Description of a method of quantification and normal values] Lablanche JM, et al. **Arch Mal Coeur** 1986 Jan;79(1):13–20 (Eng. Abstr.) (Fre)
[Indication of the vasomotor effects of secretin and cholecystokinin by changes in blood gas concentration?] Bauer FE, et al. **Z Gastroenterol** 1985 Feb;23(2):87–90 (Eng. Abstr.) (Ger)
[Regulation of vascular tone by the endothelium] Busse R, et al. **Z Kardiol** 1985;74 Suppl 7:99–106 (Eng. Abstr.) (Ger)
[Hypotension during ventricular pacing. A study of the vagal reflex component] Alicandri C, et al. **G Ital Cardiol** 1985 Dec;15(12):1155–60 (Eng. Abstr.) (Ita)
[Role of vascular endothelial cells in vasoconstriction and vasodilation] Itoh S, et al. **Nippon Heikatsukin Gakkai Zasshi** 1985 Aug;21(4):272–4 (Jpn)
[Ca2+ participation in vasodilator reactions] Lysenko LT, et al. **Biull Eksp Biol Med** 1986 Feb;101(2):135–9 (Eng. Abstr.) (Rus)
[Selective glutaraldehyde blockade of the sensitivity of arteries to blood flow velocity] Mel'kumiants AM, et al. **Biull Eksp Biol Med** 1986 May;101(5):524–6 (Eng. Abstr.) (Rus)
[Characteristics of coronary vasodilation reserve in partial restriction and subsequent recovery of the coronary blood flow] Orlova NN. **Biull Eksp Biol Med** 1986 May; 101(5):534–6 (Eng. Abstr.) (Rus)
[Blood supply to the heart and coronary vasodilation reserves in experimental myocardial hypertrophy] Stroganova NP, et al. **Biull Eksp Biol Med** 1985 Sep;100(9):266–8 (Eng. Abstr.) (Rus)

DRUG EFFECTS

Hemodynamic properties of bucindolol, a beta-adrenoreceptor blocking drug with vasodilator activity. Bett N, et al. **Am J Cardiol** 1986 Mar 1; 57(8):678–81
Relative contribution of inotropic and vasodilator effects to amrinone-induced hemodynamic improvement in congestive heart failure. Konstam MA, et al. **Am J Cardiol** 1986 Feb 1;57(4):242–8
Methylene blue and ETYA block flow-dependent dilation in canine femoral artery. Kaiser L, et al. **Am J Physiol** 1986 Jun;250(6 Pt 2):H974–81
Evidence for a vasodilatory effect of vasopressin in the conscious rat. Walker BR. **Am J Physiol** 1986 Jul;251(1 Pt 2):H34–9
Nifedipine dilates the pulmonary vasculature without producing symptomatic systemic hypotension in upright resting and exercising patients with pulmonary hypertension secondary to chronic obstructive pulmonary disease. Muramoto A, et al. **Am Rev Respir Dis** 1985 Nov; 132(5):963–6
Felodipine-induced dilatation of epicardial coronary arteries. A randomized, double-blind study. Emanuelsson H, et al. **Angiology** 1986 Jan;37(1):1–7
Albumin does not inhibit endothelium-dependent relaxation. Thomas G, et al. **Biochem Biophys Res Commun** 1986 Aug 14;138(3):1211–5

Histamine-induced constriction and dilatation of rabbit middle cerebral arteries in vitro: role of the endothelium. Sercombe R, et al. **Blood Vessels** 1986;23(3):137–53

Vasodilatation with captopril and prazosin in chronic heart failure: double blind study at rest and on exercise. Bayliss J, et al. **Br Heart J** 1986 Mar;55(3):265–73

Comparison of the vasoactivity of amide and ester local anaesthetics. An intradermal study. Willatts DG, et al. **Br J Anaesth** 1985 Oct;57(10):1006–11

Histamine is released from skin by substance P but does not act as the final vasodilator in the axon reflex. Barnes PJ, et al. **Br J Pharmacol** 1986 Aug;88(4):741–5

5-Carboxamidotryptamine is a selective agonist at 5-hydroxytryptamine receptors mediating vasodilatation and tachycardia in anaesthetized cats. Connor HE, et al. **Br J Pharmacol** 1986 Feb;87(2):417–26

The use of 8-phenyltheophylline as a competitive antagonist of adenosine and an inhibitor of the intrinsic regulatory mechanism of the hepatic artery. Lautt WW, et al. **Can J Physiol Pharmacol** 1985 Jun;63(6):717–22

Modulation of positive inotropy and metabolic coronary dilatation by myocardial alpha-adrenoceptors. Youngson BJ, et al. **Can J Physiol Pharmacol** 1985 Dec;63(12):1513–21

Pharmacologically induced pulmonary vasodilatation in children and young adults with primary pulmonary hypertension. Barst RJ. **Chest** 1986 Apr;89(4):497–503

Prostanoids in cortical subarachnoid cerebrospinal fluid and pial arterial diameter in newborn pigs. Leffler CW, et al. **Circ Res** 1985 Nov;57(5):689–94

Does prostacyclin enhance the selective pulmonary vasodilator effect of oxygen in children with congenital heart disease? Bush A, et al. **Circulation** 1986 Jul; 74(1):135–44

Identification of the direct vasodilator effect of milrinone with an isolated limb preparation in patients with chronic congestive heart failure. Cody RJ, et al. **Circulation** 1986 Jan; 3(1):124–9

Separation of the direct myocardial and vasodilator actions of milrinone administered by an intracoronary infusion technique. Ludmer PL, et al. **Circulation** 1986 Jan; 73(1):130–7

Altered spectrum of nitroglycerin action in long-term treatment: nitroglycerin-specific venous tolerance with maintenance of arterial vasodepressor potency. Stewart DJ, et al. **Circulation** 1986 Sep;74(3):573–82

Potentiation of nitroglycerin-induced coronary dilatation by N-acetylcysteine. Winniford MD, et al. **Circulation** 1986 Jan;73(1):138–42

Aging and vasodilation to atrial peptides. Emmick JT, et al. **Clin Exp Hypertens [A]** 1986;8(1):75–90

Endothelium-dependent vasodilatation in bovine coronary arteries: calcium dependence and inhibition by proadifen. Macdonald PS, et al. **Clin Exp Pharmacol Physiol** 1986 Apr;13(4):335–40

Studies on the vasodilator actions of bucindolol in the rat. Marwood JF, et al. **Clin Exp Pharmacol Physiol** 1986 Jan; 13(1):59–68

Chronic effects of pindolol on the arterioles, large arteries, and veins of the forearm in mild to moderate essential hypertension. Maarek B, et al. **Clin Pharmacol Ther** 1986 Apr;39(4):403–8

Clinical pharmacologic investigations with carvedilol, a new beta-blocker with direct vasodilator activity. von Möllendorff E, et al. **Clin Pharmacol Ther** 1986 Jun; 39(6):677–82

Cyclic GMP as the mediator of molsidomine-induced vasodilatation. Kukovetz WR, et al. **Eur J Pharmacol** 1986 Mar 11;122(1):103–9

Human and rat alpha-CGRP but not calcitonin cause mesenteric vasodilatation in rats. Marshall I, et al. **Eur J Pharmacol** 1986 Apr 16;123(2):217–22

Use of immunoblockade to study the involvement of peptidergic afferent nerves in the intestinal vasodilatory response to capsaicin in the dog. Rózsa Z, et al. **Eur J Pharmacol** 1985 Sep 10;115(1):59–64

Endothelium removal augments vasodilation by sodium nitroprusside and sodium nitrite. Shirasaki Y, et al. **Eur J Pharmacol** 1985 Aug 7;114(1):93–6

Inotropic, chronotropic and coronary vasodilator potency of forskolin. Vaden SL, et al. **Eur J Pharmacol** 1985 Nov 26;118(1-2):131–7

Dipyridamole-induced coronary vasodilation in human transplanted heart: preliminary report. Tavolaro O, et al. **Eur Surg Res** 1986;18(3-4):181–9

Possible mechanisms underlying the vasorelaxant response to atrial natriuretic factor. Winquist RJ. **Fed Proc** 1986 Aug;45(9):2371–5 (39 ref.)

Synthetic atrial natriuretic factor does not dilate resistance-sized arteries. Osol G, et al. **Hypertension** 1986 Jul;8(7):606–10

Transient myocardial dysfunction during pharmacologic vasodilation as an index of reduced coronary reserve: a coronary hemodynamic and echocardiographic study. Picano E, et al. **J Am Coll Cardiol** 1986 Jul;8(1):84–90

Atriopeptin II relaxes and elevates cGMP in bovine pulmonary artery but not vein. Ignarro LJ, et al. **J Appl Physiol** 1986 Apr;60(4):1128–33

Mechanism of thrombin-induced endothelium-dependent coronary vasodilation in dogs: role of its proteolytic enzymatic activity. Ku DD. **J Cardiovasc Pharmacol** 1986 Jan–Feb;8(1):29–36

Enalapril and the kidney: renal vasodilation and natriuresis due to the inhibition of angiotensin II formation. Navis GJ, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 1:S30–4

Vasodilatation induced by pinacidil in dogs. Comparison with hydralazine and nifedipine. Toda N, et al. **J Cardiovasc Pharmacol** 1985 Nov–Dec;7(6):1118–26

Prostacyclin mediates arachidonic acid-induced relaxation of rabbit isolated mesenteric arteries. Trachte GJ. **J Cardiovasc Pharmacol** 1986 Jul–Aug;8(4):758–64

Adenosine and hypoxic vasodilatation. Dóra E. **J Cereb Blood Flow Metab** 1985 Dec;5(4):621–4

Adrenoceptor types in the respiratory vasculature of the salamander gill. Malvin GM. **J Comp Physiol [B]** 1985; 155(5):591–6

Vasoactive intestinal polypeptide and acetylcholine are responsible for neurovasodilation in the head of the cat. Bevan JA, et al. **J Hypertension [Suppl]** 1984 Dec; 2(3):S427–9

Does captopril reduce renal function in renovascular disease by postglomerular vasodilatation? Schwietzer G, et al. **J Hypertension [Suppl]** 1985 Nov;3(2):S139–41

Characterization of synthetic atrial natriuretic factor: vasodilator profile and decreased vascular sensitivity in hypertensive rats. Winquist RJ, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S325–7

Synthesis and renal vasodilator activity of 2-chlorodopamine and N-substituted derivatives. McCarthy JR, et al. **J Med Chem** 1986 Sep;29(9):1586–90

Biotransformation of glyceryl trinitrate occurs concurrently with relaxation of rabbit aorta. Brien JF, et al. **J Pharmacol Exp Ther** 1986 May;237(2):608–14

Beta adrenergic-mediated vasodilator response to insulin in the human forearm. Creager MA, et al. **J Pharmacol Exp Ther** 1985 Dec;235(3):709–14

Comparison of endothelium-dependent relaxation in bovine intrapulmonary artery and vein by acetylcholine and A23187. Gruetter CA, et al. **J Pharmacol Exp Ther** 1986 Sep;238(3):1055–62

Dissimilarities between methylene blue and cyanide on relaxation and cyclic GMP formation in endothelium-intact intrapulmonary artery caused by nitrogen oxide-containing vasodilators and acetylcholine. Ignarro LJ, et al. **J Pharmacol Exp Ther** 1986 Jan;236(1):30–6

Oxytocin causes endothelium-dependent relaxations of canine basilar arteries by activating V1-vasopressinergic receptors. Katusic ZS, et al. **J Pharmacol Exp Ther** 1986 Jan;236(1):166–70

Graded regional vasodilation with converting enzyme inhibitors in conscious spontaneously hypertensive rats. Lappe RW, et al. **J Pharmacol Exp Ther** 1985 Dec; 235(3):651–6

Phosphodiesterase inhibitors induce endothelium-dependent relaxation of rat and rabbit aorta by potentiating the effects of spontaneously released endothelium-derived relaxing factor. Martin W, et al. **J Pharmacol Exp Ther** 1986 May; 237(2):539–47

Vasodilation of the rat mesenteric vasculature by parathyroid hormone. Nickols GA, et al. **J Pharmacol Exp Ther** 1986 Feb;236(2):419–23

Prostaglandins participate in the renal vasodilation due to hydralazine in dogs. Panzenbeck M, et al. **J Pharmacol Exp Ther** 1986 May;237(2):525–8

Cytochrome P-450-dependent monooxygenase activity and endothelial-dependent relaxations induced by arachidonic acid. Pinto A, et al. **J Pharmacol Exp Ther** 1986 Feb; 236(2):445–51

Mechanisms of the bepridil-induced vasodilation of the rabbit mesenteric artery. Suzuki H, et al. **J Pharmacol Exp Ther** 1985 Dec;235(3):749–56

Effects of avian pancreatic peptide on smooth muscle relaxations by vasoactive intestinal peptide and inhibitory nerve stimulation. Ito S, et al. **Jpn J Pharmacol** 1986 Mar; 40(3):423–34

Alpha-blockade and vasodilatation induced by nipradilol, arotinolol and labetalol in pithed rats. Nakagawa Y, et al. **Jpn J Pharmacol** 1985 Dec;39(4):481–5

Cardiac versus coronary vasodilator actions of isobutylmethylxanthine in dogs: comparison with theophylline. Takahashi K, et al. **Jpn J Pharmacol** 1986 May;41(1):23–32

Lack of renal vasodilation during intrarenal infusion of synthetic atriopeptin II in conscious intact SHR. Smits JF, et al. **Life Sci** 1986 Jan 6;38(1):81–7

Failure of microscopic metarterioles to elicit vasodilator responses to acetylcholine, bradykinin, histamine and substance P after ischemic shock, endotoxemia and trauma: possible role of endothelial cells. Altura BM, et al. **Microcirc Endothelium Lymphatics** 1985 Apr;2(2):121–7

Response of the forelimb vasculature to vasoactive agents: effects of ouabain. Dobbins DE, et al. **Microcirc Endothelium Lymphatics** 1985;2(5):517–49

Inhibition of endothelium-dependent smooth muscle relaxation by calmodulin antagonists. Weinheimer G, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Apr; 332(4):391–7

Vasoactive intestinal polypeptide relaxes pulmonary artery by an endothelium-independent mechanism. Sata T, et al. **Peptides** 1986;7 Suppl 1:225–7

Role of prostaglandin in nitroglycerin induced vasodilation in conscious dogs. Chelly J, et al. **Proc West Pharmacol Soc** 1985;28:1–3

Acetylcholine induces vasodilation and prostacyclin synthesis in rat lungs. Feddersen CO, et al. **Prostaglandins** 1986 May; 31(5):973–87

The effect of a prostacyclin analogue (Iloprost) on skin temperature. Drury JK, et al. **Prostaglandins Leukotrienes Med** 1985 Sep;19(3):301–3

Role of vasoactive intestinal polypeptide (VIP) in the neurogenic vasodilatation of the portal vein in the rabbit. Hellstrand P, et al. **Regul Pept** 1985 Nov 28;12(4):309–16

Sarcolemmal dependence of isosorbide dinitrate-induced relaxation of aortic smooth muscle. Ramos K. **Res Commun Chem Pathol Pharmacol** 1986 May; 52(2):195–205

Effect of indomethacin on the bradykinin-induced vasodilation in the submandibular gland. Fazekas A, et al. **Res Exp Med (Berl)** 1985;185(4):319–23

[Dilator effects of adenosine on rat pancreatic vessels] Soulaymani R, et al. **C R Soc Biol (Paris)** 1985;179(3):371–4 (Eng. Abstr.) **(Fre)**

[Effective vasodulin key molecule] Busse R. **Fortschr Med** 1986;104 Suppl 3:12–3 **(Ger)**

[Vasodilation in children with left-right shunt. Effect of tolazoline] Netz H. **Fortschr Med** 1986 Mar 13; 104(10):213–5 (Eng. Abstr.) **(Ger)**

[Vasodilating effect of leukotriene C4 and D4 by stimulation of prostacyclin synthesis] Sinzinger H, et al. **Wien Klin Wochenschr** 1986 Feb 21;98(4):107–10 (Eng. Abstr.) **(Ger)**

[The diameter of arterial and venous abdominal vessels during acute and chronic administration of nitrates. A sonographic study] Schneider W, et al. **Z Kardiol** 1986 May; 75(5):296–302 (Eng. Abstr.) **(Ger)**

[Quinacrine blocking of post-tetanus hyperemia in cat skeletal muscles] Medvedeva NA, et al. **Dokl Akad Nauk SSSR** 1986;287(2):476–8 **(Rus)**

[The synthesis and vasodilating effect of nifedipine analogs] Cupka P, et al. **Cesk Farm** 1986 Jun;35(5):211–4 (Eng. Abstr.) **(Slo)**

VASODILATOR AGENTS

Evaluation of the effects of tetrandrine on experimental myocardial ischemic and infarct size by cardiothermography. Yu SL, et al. **Acta Acad Med Wuhan** 1985;5(3):153–61

Endothelium-derived relaxing factor (EDRF). DeFeudis FV. **Agents Actions** 1985 Dec;17(2):181–3 (21 ref.)

Effects of prostaglandins on the pulmonary vascular bed of newborn rats with chronic hypoxia. Kashani IA, et al. **Angiology** 1986 Jan;37(1):21–6

The role of Na+-K+ -ATPase in the vasorelaxant actions of synthetic atrial natriuretic factor. Sybertz EJ, et al. **Arch Int Pharmacodyn Ther** 1985 Nov;278(1):142–9

New antithrombotic agent, cilostazol. **Arzneimittelforschung** 1985;35(7A):1117–1208

Comparative study of coronary vasodilator and cardiac effects of nitrendipine by use of isolated, blood-perfused dog heart preparations. Satoh K, et al. **Arzneimittelforschung** 1986;36(1):35–9

Physico-chemical properties and stability of cilostazol. Shimizu T, et al. **Arzneimittelforschung** 1985; 35(7A):1117–23

Intracoronary papaverine: an ideal coronary vasodilator for studies of the coronary circulation in conscious humans. Wilson RF, et al. **Circulation** 1986 Mar;73(3):444–51

An investigation of the receptors involved in the coronary vasodilatory effect of adenosine analogues. Leung E, et al. **Clin Exp Pharmacol Physiol** 1985 Sep–Oct;12(5):515–9

Abuse of isobutyl nitrite inhalation (Rush) by adolescents. Schwartz RH, et al. **Clin Pediatr (Phila)** 1986 Jun; 25(6):308–10

Haemodynamic effects of Ro 13-6438, a new inotropic agent with vasodilating properties. Braun S, et al. **Drugs Exp Clin Res** 1986;12(5):381–4

A second form of human calcitonin gene-related peptide which is a potent vasodilator. Brain SD, et al. **Eur J Pharmacol** 1986 May 27;124(3):349–52

Mechanisms involved in the vasodilator action of 5-hydroxytryptamine in the dog femoral arterial circulation in vivo. Phillips CA, et al. **Eur J Pharmacol** 1985 Jul 31; 113(3):325–34

Mechanism of the vasodilator effects of the cardiotonic agent DPI 201-106. Hof RP, et al. **J Cardiovasc Pharmacol** 1985 Nov–Dec;7(6):1188–92

Crystal structure of the dihydropyridine Ca2+ antagonist felodipine. Dihydropyridine binding prerequisites assessed from crystallographic data. Fossheim R. **J Med Chem** 1986 Feb;29(2):305–7

Coronary vasodilation and positive inotropic effect of non steroidal cardiotonics. Decker N, et al. **J Pharmacol** 1985 Oct–Dec;16(4):391–402

Cardiovascular effects of nipradilol, a beta-adrenoceptor blocker with vasodilating properties. Fujii M, et al. **Jpn Heart J** 1986 Mar;27(2):233–50

Vasodilator effect of indapamide in dog mesenteric vasculature. Miyazaki M, et al. **Jpn J Pharmacol** 1985 Nov; 39(3):402–5

"Inodilators" [letter]Opie LH. **Lancet** 1986 Jun 7;1(8493):1336

A post-calcium site of action for HA1004, a novel vasculorelaxant. Chiu PJ, et al. **Life Sci** 1986 Jul 21; 39(3):255–61

Human alpha- and beta-CGRP and rat alpha-CGRP are coronary vasodilators in the rat. Holman JJ, et al. **Peptides** 1986 Mar–Apr;7(2):231–5

Effects of dopaminergic agonists and antagonists on the partially contracted, isolated and perfused renal artery of the rat. Rodriguez-Mendez SA, et al. **Pharmacology** 1986; 32(6):321–5

Placental vascular responses to leukotriene receptor antagonist FPL 55712. Parisi VM, et al. **Prostaglandins** 1985 Jul;30(1):125–30

[Mechanism of the antishock action of anisodamine (654–2)] Su JY. **Sheng Li Ko Hsueh Chin Chan** 1985 Oct; 16(4):317–22 (33 ref.) **(Chi)**

[Effects of propafenone on coronary and systemic hemodynamics] Terrosu P, et al. **G Ital Cardiol** 1986 Apr; 16(4):321–7 (Eng. Abstr.) **(Ita)**

[Pharmacology of prostacyclin] Imai S. **Kokyu To Junkan** 1985 Jul;33(7):845–9 (22 ref.) **(Jpn)**

[Pharmacological study of nicergoline. (III). Effects on cerebral and peripheral circulation in animals] Shintomi K, et al. **Nippon Yakurigaku Zasshi** 1986 May;87(5):537–49 (Eng. Abstr.) **(Jpn)**

[Substituted sydnonimines: hemodynamic effects and distribution of coronary blood flow in normal and ischemic myocardium] Mosca SM, et al. **Acta Physiol Pharmacol Latinoam** 1985;35(3):361–73 (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

Nitrate tolerance. Parker JO. **Am J Cardiol** 1985 Dec 27; 56(17):28I–31I

Intracavernous injections of vasoactive substances for the treatment of impotence. Zorgniotti AW. **Nippon Hinyokika Gakkai Zasshi** 1985 Nov;76(11):1620

Resolution of experimental microvascular spasm and improvement in anastomotic patency by direct topical agent application. Geter RK, et al. **Plast Reconstr Surg** 1986 Jan;77(1):105–15

[Randomized ergometric study of vasodilators combined with betablockaders] Witchitz S, et al. **Arch Mal Coeur** 1986 Feb;79(2):228–34 (Eng. Abstr.) **(Fre)**

[Reaction of the retinal vascular system to basic vasodilator substances after long-term administration to various sites] Bryk E. **Folia Med Cracov** 1986;27(1–2):9–19 (Eng. Abstr.) **(Pol)**

[Ergometric evaluation of corinfar, phenoptin, obsidan and 2% nitroglycerin ointment in exercise-induced stenocardia] Kukes VG, et al. **Sov Med** 1985;(6):9–12 (Eng. Abstr.) **(Rus)**

[Role of vasodilator agents in the complex treatment of circulatory insufficiency in patients with ischemic heart disease] Ktsoeva TV. **Ter Arkh** 1986;58(5):127–31 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Transdermal nitrate, penile erection, and spousal headache [letter] Talley JD, et al. **Ann Intern Med** 1985 Nov; 103(5):804

Danger of vasodilator therapy for pulmonary hypertension in patent foramen ovale. Laine JF, et al. **Chest** 1986 Jun; 89(6):894–5

Parkinsonism, tardive dyskinesia, akathisia, and depression induced by flunarizine [letter] Meyboom RH, et al. **Lancet** 1986 Aug 2;2(8501):292

[Iatrogenic priapism caused by intracavernous injection of vasoactive drugs in the treatment of impotence (letter)] Bondil P. **Presse Med** 1986 Apr 5;15(14):665 **(Fre)**

[Hepatitis caused by sulоctidil] Lecocq E, et al. **Rev Med Brux** 1985 Oct;6(8):573–4 (Eng. Abstr.) **(Fre)**

[Myoclonus during treatment with buflomedil (letter)] Leys D, et al. **Therapie** 1985 Nov–Dec;40(6):481 **(Fre)**

[Two cases of agranulocytosis during medication with cinepazide] Matsuda M, et al. **Rinsho Ketsueki** 1985 Nov; 26(11):1792–6 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Perfused rabbit heart: endothelium-derived relaxing factor in coronary arteries. Saeed M, et al. **J Cardiovasc Pharmacol** 1986 Mar–Apr;8(2):257–61

Use of a post-column immobilized beta-glucuronidase enzyme reactor for the determination of diastereomeric glucuronides of fenoldopam in plasma and urine by high-performance liquid chromatography with electrochemical detection. Boppana VK, et al. **J Chromatogr** 1986 Feb 26;353:231–47

[Use of infrared spectrophotometry to detect mixtures of halidor and baralgin in the internal organs of a cadaver] Makarenko TF, et al. **Sud Med Ekspert** 1985 Jul–Sep; 28(3):55–6 **(Rus)**

ANTAGONISTS & INHIBITORS

Superoxide anions and hyperoxia inactivate endothelium-derived relaxing factor. Rubanyi GM, et al. **Am J Physiol** 1986 May;250(5 Pt 2):H822–7

Influence of indomethacin on an increase in cerebral blood flow induced by KC-404, a novel cerebral vasodilator, in an anesthetized dog. Kudo Y, et al. **Gen Pharmacol** 1986; 17(3):339–41

BIOSYNTHESIS

Production of endothelium derived relaxant factor is dependent on oxidative phosphorylation and extracellular calcium. Griffith TM, et al. **Cardiovasc Res** 1986 Jan; 20(1):7–12

Possible relationship between the syntheses of endothelium-derived relaxing factor (EDRF) and PAF-acether. DeFeudis FV. **Gen Pharmacol** 1986; 17(2):129–31 (27 ref.)

Inhibitors of acyl-coenzyme A:lysolecithin acyltransferase activate the production of endothelium-derived vascular relaxing factor. Förstermann U, et al. **J Pharmacol Exp Ther** 1986 Jul;238(1):352–9

BLOOD

Plasma protein binding and erythrocyte partitioning of nicardipine in vitro. Urien S, et al. **J Cardiovasc Pharmacol** 1985 Sep–Oct;7(5):891–8

Automated capillary gas chromatographic assay using nitrogen-phosphorus detection for the determination of cetiedil in plasma. Holland ML, et al. **J Chromatogr** 1985 Nov 29;345(1):178–83

CHEMICAL SYNTHESIS

Synthesis of asymmetric 4-aryl-1,4-dihydro-2,6-dimethyl-3,5-pyridinedicarboxylates with vasodilating and antihypertensive activities. Ohno S, et al. **Chem Pharm Bull (Tokyo)** 1986 Apr;34(4):1589–606

Organic phosphorus compounds. 1. 4-(Benzothiazol-2-yl)benzylphosphonate as potent calcium antagonistic vasodilator. Yoshino K, et al. **J Med Chem** 1986 May;29(5):820–5

METABOLISM

Flow-induced release of endothelium-derived relaxing factor. Rubanyi GM, et al. **Am J Physiol** 1986 Jun;250(6 Pt 2):H1145–9

The absorption, distribution and excretion of a new antithrombotic and vasodilating agent, cilostazol, in rat, rabbit, dog and man. Akiyama H, et al. **Arzneimittelforschung** 1985;35(7A):1124–32

The metabolism of a new antithrombotic and vasodilating agent, cilostazol, in rat, dog and man. Akiyama H, et al. **Arzneimittelforschung** 1985;35(7A):1133–40

The localization of a new antithrombotic agent, cilostazol, in CHO-K1 cells as demonstrated by autoradiography. Usuda N, et al. **Arzneimittelforschung** 1985;35(7A):1141–3

The pharmacokinetics and haemodynamics of BTS 49 465 and its major metabolite in healthy volunteers. Wynne RD, et al. **Eur J Clin Pharmacol** 1985;28(6):659–64

Human pharmacokinetics of cadralazine: a new vasodilator. Hauffe SA, et al. **Eur J Drug Metab Pharmacokinet** 1985 Jul–Sep;10(3):217–23

Disposition and pharmacokinetics of cadralazine and individual metabolites in man. Schütz H, et al. **Eur J Drug Metab Pharmacokinet** 1985 Apr–Jun; 10(2):147–53

The loss of endothelium-dependent vascular relaxation in hypertension. Lockette W, et al. **Hypertension** 1986 Jun; 8(6 Pt 2):II61–6

Prostacyclin mediates arachidonic acid-induced relaxation of rabbit isolated mesenteric arteries. Trachte GJ. **J Cardiovasc Pharmacol** 1986 Jul–Aug;8(4):758–64

Superoxide anion is involved in the breakdown of endothelium-derived vascular relaxing factor. Gryglewski RJ, et al. **Nature** 1986 Apr 3–9;320(6061):454–6

Metabolism of viprostol—a synthetic vasodilator PGE2 analog. Nicolau G, et al. **Prostaglandins** 1986 Apr; 31(4):811–27

[Inactivation of vasoactive substances in the canine lung] Wagai F, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Nov;23(11):1337–42 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Influence of acetylcholine, peptides, and other vasodilators on endogenous noradrenaline overflow and vasoconstriction in canine blood perfused gracilis muscle. Kahan T, et al. **Acta Physiol Scand** 1985 Jul;124(3):457–65

Substances that rapidly augment ionic conductance of endothelium in cerebral venules. Olesen SP, et al. **Acta Physiol Scand** 1986 Jun;127(2):233–41

Erythrocyte aldehyde dehydrogenase and disulfiram-like side effects of hypoglycemics and antianginals. Towell J, et al. **Alcoholism (NY)** 1985 Sep–Oct;9(5):438–42

Response of normal and diseased epicardial coronary arteries to vasoactive drugs: quantitative arteriographic studies. Brown BG. **Am J Cardiol** 1985 Sep 18;56(9):23E–29E (37 ref.)

Bucindolol [letter] Gill JS, et al. **Am J Cardiol** 1985 Oct 1;56(10):704

Mechanical effects of vasoactive drugs on carotid sinus. Bell LB, et al. **Am J Physiol** 1986 Jun;250(6 Pt 2):R1074–80

The effects of hydralazine on exercise capacity in pulmonary hypertension secondary to chronic obstructive pulmonary disease. Dal Nogare AR, et al. **Am Rev Respir Dis** 1986 Mar;133(3):385–9

Noninvasive assessment of hemodynamic improvement during chronic vasodilator therapy in obliterative pulmonary hypertension. D'Alonzo GE, et al. **Am Rev Respir Dis** 1986 Mar;133(3):380–4

Mode of cerebral vasodilating action of KC-404 in isolated canine basilar artery. Ohashi M, et al. **Arch Int Pharmacodyn Ther** 1986 Apr;280(2):216–29

Preservation of myocardial oxygen balance and functional reserve by coronary vasodilators. Dvir S, et al. **Arch Int Physiol Biochim** 1985 Sep;93(3):231–9

Hemodynamic profile of N-(2,5-dimethyl-1H-pyrrol-1-yl)6-(4-morpholinyl)-3-pyridazinamine hydrochloride in conscious dogs. Di Francesco GF, et al. **Arzneimittelforschung** 1986;36(1):84–8

Hemodynamic effects of the antithrombotic drug cilostazol in chronic arterial occlusion in the extremities. Kamiya T, et al. **Arzneimittelforschung** 1985;35(7A):1201–3

Effect of cilostazol, a new antithrombotic drug, on cerebral circulation. Kawamura K, et al. **Arzneimittelforschung** 1985;35(7A):1149–54

Effect of cilostazol on platelet aggregation and experimental thrombosis. Kimura Y, et al. **Arzneimittelforschung** 1985; 35(7A):1144–9

Long-term effect of cilostazol on cerebral blood flow in chronic cerebral infarction. Kobayashi S, et al. **Arzneimittelforschung** 1985;35(7A):1193–7

Effects of intravenously and orally administered cinpropazide on the coronary circulation in unanesthetized and unrestrained dogs. Nonaka K, et al. **Arzneimittelforschung** 1985;35(10):1499–502

Thermographic evaluation of the hemodynamic effect of the antithrombotic drug cilostazol in peripheral arterial occlusion. Ohashi S, et al. **Arzneimittelforschung** 1985; 35(7A):1203–8

General pharmacological properties of cilostazol, a new antithrombotic drug. Part I: Effects on the central nervous system. Shintani S, et al. **Arzneimittelforschung** 1985; 35(7A):1157–62

General pharmacological properties of cilostazol, a new antithrombotic drug. Part II: Effect on the peripheral organs. Shintani S, et al. **Arzneimittelforschung** 1985; 35(7A):1163–72

Hemodynamic effect of cilostazol on increasing peripheral blood flow in arteriosclerosis obliterans. Yasuda K, et al. **Arzneimittelforschung** 1985;35(7A):1198–200

Antiaggregatory effect of oral cilostazol and recovery of platelet aggregability in patients with cerebrovascular disease. Yasunaga K, et al. **Arzneimittelforschung** 1985; 35(7A):1189–92

Clinical effects of oral cilostazol on suppression of platelet function in patients with cerebrovascular disease. Yasunaga K, et al. **Arzneimittelforschung** 1985;35(7A):1186–8

Haemodynamic effects of vasodilating drugs on the common carotid and brachial circulations of patients with essential hypertension. Bouthier JD, et al. **Br J Clin Pharmacol** 1986 Feb;21(2):137–42

Fenoldopam: effect on aldosterone secretion. Dupont AG, et al. **Br J Clin Pharmacol** 1986 Feb;21(2):243–4

The relaxant action of nicorandil in guinea-pig isolated trachealis. Allen SL, et al. **Br J Pharmacol** 1986 Jan; 87(1):117–27

A comparison of the action of the endothelium-derived relaxant factor and the inhibitory factor from the bovine retractor penis on rabbit aortic smooth muscle. Bowman A, et al. **Br J Pharmacol** 1986 Jan;87(1):175–81

The mode of vasorelaxant action of 2-aminoisoquinoline, 1,3 (2H,4H)-dione, a novel 'intracellular calcium inhibitor'. Hester RK, et al. **Br J Pharmacol** 1986 Feb;87(2):387–93

Hemodynamic effects of molsidomine on weight sustaining isometric exercise in patients with ischemic heart disease. Tsujibayashi T, et al. **Bull Tokyo Med Dent Univ** 1985 Dec; 32(4):163–7

Antagonism by theophylline of the adenosine receptor agonist 5'-N-ethylcarboxamidoadenosine at the guinea pig ileum. Christofi FL, et al. **Can J Physiol Pharmacol** 1985 Sep;63(9):1195–7

Affinity of calcium channel inhibitors, benzodiazepines, and other vasoactive compounds for the nucleoside transport system. Hammond JR, et al. **Can J Physiol Pharmacol** 1985 Oct;63(10):1302–7

Comparative effects of vasodilator drugs on flow distribution and venous return. Ogilvie RI. **Can J Physiol Pharmacol** 1985 Nov;63(11):1345–55

Effects of anisodamine on cardiovascular activities in endotoxin-shocked dogs. Yao T, et al. **Chin Med J [Engl]** 1984 Dec;97(12):871–6

Hemodynamic and vascular activity of LY127210, a new vasodilator, in anesthetized spontaneously hypertensive rats: comparison with hydralazine. Steinberg MI, et al. **Clin Exp Hypertens [A]** 1985;7(10):1481–97

Hypertension alters slope and range but not sensitivity to vasoconstrictor and vasodilator agents in the rabbit hindquarter. Wright CE, et al. **Clin Exp Pharmacol Physiol** 1986 Apr;13(4):301–4

Human calcitonin gene related peptide: a potent endogenous vasodilator in man. Struthers AD, et al. **Clin Sci** 1986 Apr; 70(4):389–93

The effects of certain vasodilating prostaglandins on the coronary and hindlimb vascular beds of the conscious sheep. Carter J, et al. **Comp Biochem Physiol [C]** 1986; 83(2):401–6

Haemodynamic effects of molsidomine in patients with severe chronic coronary disease. Crexells C, et al. **Eur Heart J** 1985 Dec;6(12):1032–9

Cardiovascular, baroreflex and humoral responses in hypertensive patients during nicardipine therapy. Coruzzi P, et al. **Eur J Clin Pharmacol** 1985;29(3):371–4

The pharmacodynamics and pharmacokinetics of a new calcium antagonist nisoldipine in normotensive and

hypertensive subjects. Pasanisi F, et al. **Eur J Clin Pharmacol** 1985;29(1):21–4

Effects of a stable prostaglandin analogue, L-644,122, in healthy and hypertensive men. Ritter JM, et al. **Eur J Clin Pharmacol** 1985;28(6):685–8

Inhibition of prolactin and aldosterone secretion by the dopamine derivative ibopamine. Rolandi E, et al. **Eur J Clin Pharmacol** 1986;29(5):629–30

Additive effects of atrial natriuretic polypeptide and of renal vasodilating agents in the anesthetized dog. Akabane S, et al. **Eur J Pharmacol** 1986 Mar 18;122(2):181–9

The DA1 receptor agonist fenoldopam (SK & F 82526) is also an alpha 2-adrenoceptor antagonist. Ohlstein EH, et al. **Eur J Pharmacol** 1985 Dec 3;118(3):321–9

Study of vasodilator effects of papaverine, adenosine and related drugs in isolated cat cerebral arteries. Salaices M, et al. **Gen Pharmacol** 1985;16(6):633–6

Anti-leukotriene D4 action of a new anti-asthmatic drug (KC-404) on the guinea-pig isolated trachea. Sato T, et al. **Gen Pharmacol** 1986;17(3):287–92

Direct effects of vasoactive substances on superficial human veins in vivo. Aellig WH. **Int Angiol** 1985 Apr–Jun; 4(2):235–42

Comparison of the response of the renal blood supply to acetylcholine and to a calcium channel blocking agent, diltiazem, in the dog. Garnic JD, et al. **Invest Radiol** 1985 Nov;20(8):824–9

Hemodynamic effects of nicorandil, isosorbide dinitrate, and dihydralazine in healthy volunteers. Belz GG, et al. **J Cardiovasc Pharmacol** 1985 Nov–Dec;7(6):1107–12

Effect of vasodilator drugs on coronary occlusion and reperfusion arrhythmias in anesthetized dogs. Elfellah MS, et al. **J Cardiovasc Pharmacol** 1985 Sep–Oct;7(5):826–32

Enhanced subendocardial perfusion distal to a flow-limiting coronary artery stenosis in dogs: comparative effects of nicorandil, a potential new antianginal agent, and nitroglycerin. Gross GJ, et al. **J Cardiovasc Pharmacol** 1985 Sep–Oct;7(5):977–82

Suppression of ventricular arrhythmias after coronary artery ligation by pinacidil, a vasodilator drug. Kerr MJ, et al. **J Cardiovasc Pharmacol** 1985 Sep–Oct;7(5):875–83

Relaxations of isolated rabbit coronary artery by purine derivatives: A2-adenosine receptors. Odawara S, et al. **J Cardiovasc Pharmacol** 1986 May–Jun;8(3):567–73

Pharmacological properties of the stereoisomers of prizidilol: their use in analysis of reflex tachycardia and blood pressure control in normotensive cats, rats, and dogs. Owen DA, et al. **J Cardiovasc Pharmacol** 1986 Jul–Aug;8(4):743–8

Effect of BTS 49465 on hypoxic pulmonary vasoconstriction. Smith JG, et al. **J Cardiovasc Pharmacol** 1986 Jul–Aug; 8(4):878–84

Age-dependent change in the response of isolated beagle cerebral arteries to vasoactive agents. Toda N, et al. **J Cardiovasc Pharmacol** 1986 Jul–Aug;8(4):681–8

Reduction of the increased portal vascular resistance of the isolated perfused cirrhotic rat liver by vasodilators. Bhathal PS, et al. **J Hepatol** 1985;1(4):325–37

The effects of BTS 49465 on blood pressure and peripheral arteriolar and venous tone in normal volunteers. Cowley AJ, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S547–9

Pharmacodynamic and pharmacokinetic studies with the vasodilator endralazine. Elliott HL, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S551–4

The effect of intracerebroventricular infusions of CRF, sauvagine, ACTH (1–24) and ACTH (4–10) on blood pressure in sheep. Scoggins BA, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S67–8

On vasodilators, magnesium and second messengers. Charbon GA. **J Mal Vasc** 1986;11(2):168–77

Pharmacological actions of ifenprodil in the rat isolated anococcygeus muscle. Adeagbo AS, et al. **J Pharm Pharmacol** 1985 Nov;37(11):833–5

Pharmacological studies with SK&F 94120, a novel positive inotropic agent with vasodilator activity. Gristwood RW, et al. **J Pharm Pharmacol** 1986 Jun;38(6):452–9

Effect of some vasodilators on cat femoral arteries. Marin J, et al. **J Pharm Pharmacol** 1986 Feb;38(2):146–9

Hypotensive and renal vasodilator effects of carbocyclic adenosine (aristeromycin) in anesthetized spontaneously hypertensive rats. Dunham EW, et al. **J Pharmacol Exp Ther** 1986 Sep;238(3):954–9

Eperisone, an antispastic agent, possesses vasodilating actions on the guinea-pig basilar artery. Fujioka M, et al. **J Pharmacol Exp Ther** 1985 Dec;235(3):757–63

Dissimilarities between methylene blue and cyanide on relaxation and cyclic GMP formation in endothelium-intact intrapulmonary artery caused by nitrogen oxide-containing vasodilators and acetylcholine. Ignarro LJ, et al. **J Pharmacol Exp Ther** 1986 Jan;236(1):30–6

Effects of nimodipine on cerebral blood flow in conscious rat. Kanda K, et al. **J Pharmacol Exp Ther** 1986 Jan; 236(1):41–7

Effects of fenoldopam on regional vascular resistance in conscious spontaneously hypertensive rats. Lappe RW, et al. **J Pharmacol Exp Ther** 1986 Jan;236(1):187–91

Effects of the renal vasodilator prodrug CGP 22 979A and its parent compound CGP 18 137A on renal and central hemodynamics in conscious spontaneously hypertensive rats. Nievelstein HM, et al. **J Pharmacol Exp Ther** 1985 Dec;235(3):778–82

Suppression of sympathetic ganglionic neurotransmission by the selective dopamine-1 receptor agonist fenoldopam (SK&F 82526) in the anesthetized dog. Shebuski RJ, et al. **J Pharmacol Exp Ther** 1985 Dec;235(3):735–40

Effect of a prostaglandin E1 derivative (OP-1206) and acetylsalicylic acid on electrically induced thrombosis in guinea-pig mesenteric artery and its modification by an inhibitor of prostaglandin I2 synthetase, tranylcypromine. Fujitani B, et al. **Jpn J Pharmacol** 1986 Jan;40(1):31–5

The regional difference of relaxations induced by various vasodilators in isolated dog coronary and mesenteric arteries. Miwa K, et al. **Jpn J Pharmacol** 1985 Jul; 38(3):313–20

The effects of cineparide on the content, biosynthesis and turnover of noradrenaline, dopamine and 5-hydroxytryptamine in the rat brain under room air and hypoxia. Miwa S, et al. **Jpn J Pharmacol** 1986 May; 41(1):109–15

Venodilating action of nipradilol (K-351) in the pithed rat pretreated with dihydroergotamine. Shirasawa Y, et al. **Jpn J Pharmacol** 1985 Sep;39(1):77–82

Cardiotonic and coronary vasodilatatory effects of amrinone in the canine heart-lung preparation with a support dog as compared with those of dobutamine. Takeda K, et al. **Jpn J Pharmacol** 1986 Mar;40(3):381–8

Changes in caloric nystagmus induced by vasodilating drugs. Baldwin RL, et al. **Laryngoscope** 1986 Apr;96(4):420–9

Renal effects of SK&F 82526 in anesthetized rats. Bhat S, et al. **Life Sci** 1986 Apr 28;38(17):1565–71

Studies on the comparative coronary vasodilator, vasodepressor and antiarrhythmic actions of gallopamil (D-600) and nisoldipine (Bay K 5552). Basu DK, et al. **Mater Med Pol** 1985 Apr–Jun;17(2):103–6

Digital pulse plethysmography—a tool for investigating vasoactive substances. von Möllendorff E, et al. **Methods Find Exp Clin Pharmacol** 1985 Sep;7(9):501–10

Failure of microscopic metarterioles to elicit vasodilator responses to acetylcholine, bradykinin, histamine and substance P after ischemic shock, endotoxemia and trauma: possible role of endothelial cells. Altura BM, et al. **Microcirc Endothelium Lymphatics** 1985 Apr;2(2):121–7

Response of the forelimb vasculature to vasoactive agents: effects of ouabain. Dobbins DE, et al. **Microcirc Endothelium Lymphatics** 1985;2(5):517–49

The different mechanisms of action of nicorandil and adenosine triphosphate on potassium channels of circular smooth muscle of the guinea-pig small intestine. Yamanaka K, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Oct; 331(1):96–103

Total and intrarenal flow distribution in healthy subjects: technique, acute effects of ibopamine and of indoramin. Britton KE, et al. **Nephron** 1986;43(4):265–73

Calcitonin gene-related peptide: brain and spinal action on intestinal motility. Fargeas MJ, et al. **Peptides** 1985 Nov–Dec;6(6):1167–71

Effects of magnesium on the action of vasodilatory agents. Arnold TH, et al. **Pharmacology** 1985;31(4):218–24

Effects of dipyridamole, nifedipine, verapamil, hydralazine and propranolol on the formation of prostacyclin and thromboxane in a coupled system of platelets and aorta. Srivastava KC. **Prostaglandins Leukotrienes Med** 1986 Jul; 23(1):31–6

Inhibition of smooth muscle cell proliferation and endothelial permeability with flunarizine in vitro and in experimental atheromas. Betz E, et al. **Res Exp Med (Berl)** 1985; 185(4):325–40

Time course of pulmonary vasoconstriction with repeated hypoxia and glucose depletion. Ohe M, et al. **Respir Physiol** 1986 Feb;63(2):177–86

The effect of Cavinton on impulse formation and impulse conduction of the heart. Solti F, et al. **Ther Hung** 1983; 31(1):24–5

Abolition by nicorandil of spontaneous action potentials of the small atrio-ventricular node preparation of the dog. Iijima T, et al. **Tohoku J Exp Med** 1985 Aug;146(4):401–3

[Effect of anisodamine on pulmonary microcirculation during experimental lung injury] Rao WH. **Chung Hua I Hsueh Tsa Chih** 1985 Jul;65(7):389–92, 444 (Eng. Abstr.) **(Chi)**

[Methods for studying vasodilators in man] Simon A, et al. **J Pharmacol** 1986;17 Suppl 1:34–40 **(Fre)**

[Influence of aspirin on the hemodynamic effects of molsidomine in healthy volunteers] Weber S, et al. **Therapie** 1986 May–Jun;41(3):153–7 (Eng. Abstr.) **(Fre)**

[Effect of flunarizine on healing and necrosis of experimental autografts in the rat] Van de Heyning-Meier JA. **Handchir Mikrochir Plast Chir** 1985 Nov;17 Suppl:60–1 (Eng. Abstr.) **(Ger)**

[The effect of selected drugs on the parameters of conjunctival photoplethysmography] Böhme HR, et al. **Ophthalmologica** 1985;191(4):230–7 (Eng. Abstr.) **(Ger)**

[Platelet function after the single administration of buflomedil] Sinzinger H, et al. **Wien Klin Wochenschr** 1985 Sep 27;97(18):720–2 (Eng. Abstr.) **(Ger)**

[Hemodynamic effects of molsidomine in chronic congestive heart failure] Humar F, et al. **G Ital Cardiol** 1986 May; 16(5):427–32 (Eng. Abstr.) **(Ita)**

[Protective effect of buflomedil hydrochloride on erythrocyte sickling. In vitro study] Briguglio F, et al. **Minerva Med** 1986 Feb 28;77(7–8):249–62 (Eng. Abstr.) **(Ita)**

[Inhibitory mechanism of nitrous compounds on vascular smooth muscle contraction] Murakami K, et al. **Nippon Heikatsukin Gakkai Zasshi** 1985 Aug;21(4):278–80 **(Jpn)**

[Vasorelaxing action of nicorandil, in comparison with nitroglycerin and Ca antagonists] Muramatsu I, et al. **Nippon Yakurigaku Zasshi** 1986 Feb;87(2):199–207 (Eng. Abstr.) **(Jpn)**

[Pharmacological studies on pinacidil, a new antihypertensive agent. 2. Studies on the hypotensive mechanism of pinacidil] Ueda M, et al. **Nippon Yakurigaku Zasshi** 1985 Dec;86(6):359–68 (Eng. Abstr.) **(Jpn)**

[Mechanism of action of chloracizine and stenopril on the electric and contractile activity of the smooth muscle of the portal vein of the rabbit] Buryi VA, et al. **Fiziol Zh** 1986 Jul–Aug;32(4):413–9 (Eng. Abstr.) **(Rus)**

[Effect of prostaglandins PGE1 on ductus-dependent congenital cardiopathies. A multicenter study in 21 newborn infants] Seara CA, et al. **Medicina (B Aires)** 1984; 44(3):237–44 (Eng. Abstr.) **(Spa)**

[Evaluation of myocardial relaxation in the treatment of arterial hypertension: vasodilators and beta blockers] Gimeno JV, et al. **Rev Esp Cardiol** 1985 Sep–Oct; 38(5):342–7 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

The role of endothelium in the control of vascular tone. Busse R, et al. **Basic Res Cardiol** 1985 Sep–Oct;80(5):475–90 (78 ref.)

Stimulation of soluble guanylate cyclase by an acetylcholine-induced endothelium-derived factor from rabbit and canine arteries. Förstermann U, et al. **Circ Res** 1986 Apr;58(4):531–8

Effects of endothelium-derived relaxing factor on the smooth muscle of the rat tail artery. Kotecha N, et al. **Clin Exp Pharmacol Physiol** 1986 Mar;13(3):249–57

Studies on endothelium-dependent vasorelaxation. DeFeudis FV. **Gen Pharmacol** 1986;17(1):1–4 (37 ref.)

Evidence against the hypothesis that prostaglandins are the vasodepressor agents of pregnancy. Serial studies in chronically instrumented, conscious rats. Conrad KP, et al. **J Clin Invest** 1986 Jan;77(1):236–45

Activation of purified soluble guanylate cyclase by endothelium-derived relaxing factor from intrapulmonary artery and vein: stimulation by acetylcholine, bradykinin and arachidonic acid. Ignarro LJ, et al. **J Pharmacol Exp Ther** 1986 Jun;237(3):893–900

SECRETION

Blockade of endothelium-dependent relaxation by the amiloride analog dichlorobenzamil: possible role of Na+/Ca++ exchange in the release of endothelium-derived relaxant factor. Winquist RJ, et al. **J Pharmacol Exp Ther** 1985 Dec;235(3):644–50

THERAPEUTIC USE

Blood gas and hemodynamic changes induced by the treatment of pulmonary congestion with vasodilators in the acute phase of myocardial infarction. Renard M, et al. **Acta Cardiol (Brux)** 1986;41(2):111–21

Aspects on "traditional" vasodilators in the treatment of chronic heart failure. Rydén L, et al. **Acta Med Scand [Suppl]** 1986;707:85–90

Pharmacology of the nitrates in angina pectoris. Frishman WH. **Am J Cardiol** 1985 Dec 27;56(17):8I–13I

Vasodilator therapy. Sutton FJ. **Am J Med** 1986 Feb 28; 80(2B):54–8 (62 ref.)

The case for treatment of selected patients with primary pulmonary hypertension. Reeves JT, et al. **Am Rev Respir Dis** 1986 Aug;134(2):342–6

Beneficial effects of ethanol on experimental burns. Tikellis JI, et al. **Am Surg** 1986 Jan;52(1):53–5

Ethacrynic acid interferes with vasodilators [letter] Hosking MP. **Anesthesiology** 1986 Jul;65(1):128–9

Evaluation of the effects of vasoactive drugs on cutaneous microcirculation by laser Doppler velocimetry. Leonardo G, et al. **Angiology** 1986 Jan;37(1):12–20

Effect of cinpropazide on ischemic myocardial acidosis in dogs. Sakai K, et al. **Arch Int Pharmacodyn Ther** 1985 Sep; 277(1):83–91

Effect of cilostazol, a new antithrombotic drug, on an experimental model of peripheral circulation insufficiency. Kawamura K, et al. **Arzneimittelforschung** 1985; 35(7A):1154–6

Clinical experience with systemic vasodilator therapy in the newborn infant. Butt W, et al. **Aust Paediatr J** 1986 May; 22(2):117–20

Studies with fenoldopam, a dopamine receptor DA1 agonist, in essential hypertension. Harvey JN, et al. **Br J Clin Pharmacol** 1986 Jan;21(1):53–61

Hypertension in the elderly: treatment. Schulman SP, et al. **Cardiol Clin** 1986 May;4(2):245–52 (59 ref.)

Clinical trial of nimodipine for single attacks of classic migraine. Jensen K, et al. **Cephalalgia** 1985 Sep;5(3):125–31

A placebo-controlled, double-blind, cross-over trial of flunarizine in common migraine. Sørensen PS, et al. **Cephalalgia** 1986 Mar;6(1):7–14

Anti-spasmogenic effects of bencianol (ZY15051) on human cerebral arteries in vitro. Whalley ET, et al. **Cephalalgia** 1985 Dec;5(4):217–21

Pulmonary hypertension, right ventricular failure, and vasodilator therapy. Making pathophysiologic sense [letter] Davila F. **Chest** 1986 Sep;90(3):467–8

Does pulmonary vasoconstriction play an important role in

patients with primary pulmonary hypertension? A skeptic's view of vasodilator therapy. Packer M. **Chest** 1985 Oct;88(4 Suppl):265S–268S

Long–term clinical trials in pulmonary hypertension. Long overdue [editorial] Theodore J, et al. **Chest** 1986 Jan; 89(1):4–5

Vasodilator drugs in patients with chronic ischaemic heart failure. Korewicki J, et al. **Cor Vasa** 1985;27(5):329–36

Changes in blood pressure, fluid volumes and glomerular filtration rate during long–term treatment with prizidilol, an antihypertensive drug with combined vasodilatator and beta–adrenoceptor blocking actions. Andersen GS, et al. **Dan Med Bull** 1985 Oct;32(5):280–3

Felodipine in ventricular dysfunction. Tweddel AC, et al. **Eur Heart J** 1986 Jan;7(1):54–60

Felodipine in hypertension. Mace PJ, et al. **Eur J Clin Pharmacol** 1985;29(4):383–9

Vasodilatory treatment of pulmonary hypertension. Widimský J. **Eur J Respir Dis** 1986 Mar;68(3):161–6

A double blind trial of nitroglycerin vasodilator ointment in patients undergoing cytotoxic chemotherapy. Manifold IH, et al. **Eur J Surg Oncol** 1986 Mar;12(1):67–8

Selective mesenteric vasodilators. A future role in acute mesenteric ischemia? Boley SJ, et al. **Gastroenterology** 1986 Jul;91(1):247–9

Use of selective mesenteric vasodilator peptides in experimental nonocclusive mesenteric ischemia in the dog. MacCannell KL, et al. **Gastroenterology** 1986 Mar; 90(3):669–76

Vasodilators in acute myocardial infarction [editorial] Khalilullah M, et al. **Indian Heart J** 1985 Nov–Dec; 37(6):336–8

Vasodilators in hypertension—a review with special emphasis on the combined use of vasodilators and beta–adrenoceptor blockers. Eggertsen R, et al. **Int J Clin Pharmacol Ther Toxicol** 1985 Aug;23(8):411–23 (162 ref.)

Noninvasive techniques in clinical pharmacology. Time intervals in assessment of vasodilators in coronary artery disease. Romano M, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Apr;24(4):188–91

Results of a preliminary study of the potential of vasodilators for improving thermotherapy of deep–seated tumours. Nussbaum GH, et al. **Int J Hyperthermia** 1986 Jan–Mar; 2(1):61–4

Survival of patients with severe congestive heart failure treated with oral milrinone. Baim DS, et al. **J Am Coll Cardiol** 1986 Mar;7(3):661–70

Combined digoxin–molsidomine therapy in congestive heart failure following acute myocardial infarction. Cantelli I, et al. **J Cardiovasc Pharmacol** 1986 May–Jun;8(3):491–9

Clinical evaluation of the vasodilator MDL–899 in patients with essential hypertension. Elliott HL, et al. **J Cardiovasc Pharmacol** 1985 Sep–Oct;7(5):948–52

Effects of felodipine on pacing–induced angina pectoris. Emanuelsson H, et al. **J Cardiovasc Pharmacol** 1986 May–Jun;8(3):500–6

Protection by carbocromene and molsidomine against arrhythmias occurring during coronary artery occlusion and reperfusion in dogs. Fiedler VB, et al. **J Cardiovasc Pharmacol** 1985 Sep–Oct;7(5):964–70

Haemodynamic advantages of a combined inotropic/venodilator regimen over inotropic monotherapy in acute heart failure. Verma SP, et al. **J Cardiovasc Pharmacol** 1985 Sep–Oct;7(5):943–7

Effects of buflomedil in a group of patients with chronic peripheral arterial diseases. Clinical and hemorheological evaluation. Mozzi E, et al. **J Int Med Res** 1985;13(6):317–21

A double–blind placebo–controlled study of Hexopal in the treatment of intermittent claudication. O'Hara J. **J Int Med Res** 1985;13(6):322–7

Pulmonary hypertension in systemic lupus erythematosus: effect of vasodilators on pulmonary hemodynamics. Mahowald ML, et al. **J Rheumatol** 1985 Aug;12(4):773–7

Drug treatment of claudication: vasodilators, hemorrheologic agents, and antiserotonin drugs. Taylor LM Jr, et al. **J Vasc Surg** 1986 Feb;3(2):374–81

Vasodilator therapy for chronic congestive heart failure. Abrams J. **JAMA** 1985 Dec 6;254(21):3070–4

Effect of vasodilator therapy on mortality in chronic congestive heart failure. Results of a Veterans Administration Cooperative Study. Cohn JN, et al. **N Engl J Med** 1986 Jun 12;314(24):1547–52

Cardiac involvement in cystic fibrosis: early noninvasive detection and vasodilator therapy. Moskowitz WB, et al. **Pediatr Pharmacol (New York)** 1985;5(2):139–48

Evaluation of intravenous amrinone: the first of a new class of positive inotropic agents with vasodilator properties. Bottorff MB, et al. **Pharmacotherapy** 1985 Sep–Oct; 5(5):227–37 (43 ref.)

The hemodynamic effects of ibopamine, a dopamine congener, in patients with congestive heart failure. Leier CV, et al. **Pharmacotherapy** 1986 Jan–Feb;6(1):35–40

Inositol nicotinate in intermittent claudication [letter] **Practitioner** 1986 Jun;230(1416):506–9

Treatment of intermittent claudication with inositol nicotinate. Head A. **Practitioner** 1986 Jan;230(1411):49–54

Calcium antagonists as vasodilators. Thulesius O. **Vasa** 1986; 15(2):111–4

[Hemodynamic effects of vasodilators in aged patients with heart failure] Chen RX, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1985 Sep; 13(4):249–51, 317 (Eng. Abstr.) (Chi)

[Cardiothermographic study of the effects of tetrandrine on experimental myocardial ischemia and infarction] Yu SL. **Chung Hua I Hsueh Tsa Chih** 1986 Jan;66(1):29–31 (Chi)

[Vasodilating agents in hypertension and cardiac decompensation] de Leeuw PW, et al. **Ned Tijdschr Geneeskd** 1986 Jan 25;130(4):150–3 (Dut)

[Efficacy and tolerability of a delayed–action vasodilator agent, cadralazine, in severe chronic cardiac failure] Gibelin P, et al. **Ann Cardiol Angeiol (Paris)** 1986 Feb; 35(2):111–7 (Eng. Abstr.) (Fre)

[Have vasodilators improved the prognosis of cardiac failure?] Vacheron A. **Arch Mal Coeur** 1986 Feb; 79(2):141–2 (Fre)

[Conversion enzyme inhibitors in the treatment of chronic congestive cardiac failure. Physiopathologic bases of their use] Garabedian VG. **Presse Med** 1985 Dec 19; 14(44):2264–7 (Eng. Abstr.) (Fre)

[Do vasodilators have a role in the treatment of pulmonary hypertension in chronic obstructive bronchopneumopathies?] Weitzenblum E, et al. **Rev Mal Respir** 1985;2(6):337–8 (Fre)

[Effectiveness and duration of effect of molsidomine and isosorbide dinitrate in peripheral circulation] König FK, et al. **Fortschr Med** 1985 Oct 10;103(38):903–6 (Eng. Abstr.) (Ger)

[We need molsidomine for complete prevention of ischemia. Interview with Prof. Rudolph on the therapy of coronary heart disease] Rudolph W. **Fortschr Med** 1986 Apr 3; 104(13):52 (Ger)

[Therapy of chronic heart failure with vasodilator agents] Zähringer J, et al. **Internist (Berlin)** 1986 May;27(5):315–21 (Ger)

[Flunarizine and sulpiride—a comparison of 2 common antivertigo drugs in vertebrobasilar–induced vertigo] Hofferberth B, et al. **Nervenarzt** 1985 Oct;56(10):553–9 (Ger)

[A special flicker fusion frequency method for detection of the effects of gerontopharmaceuticals exemplified by the L–eburnamonine study] Plörer S, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1985 Nov; 37(11):635–42 (Eng. Abstr.) (Ger)

[Vasodilators in chronic heart insufficiency] Bucher HJ. **Schweiz Rundsch Med Prax** 1986 Jan 21;75(4):61–3 (Eng. Abstr.) (Ger)

[Mechanism of action and clinical use of vasodilators in acute heart insufficiency] Rothlin ME. **Schweiz Rundsch Med Prax** 1985 Dec 3;74(49):1372–5 (Eng. Abstr.) (Ger)

[Therapy of early and manifest heart failure with vasodilator agents] Just H, et al. **Verh Dtsch Ges Inn Med** 1985; 91:139–43 (Ger)

[Pharmacokinetic properties and indications for modern vasodilators. 1. Pharmacodynamic properties of vasodilators] Langnickel R, et al. **Z Arztl Fortbild (Jena)** 1985;79(19):821–5 (Ger)

[Pharmacologic properties and indications of modern vasodilator agents. 2: Indications and side effects of vasodilator agents] Langnickel R, et al. **Z Arztl Fortbild (Jena)** 1985;79(20):867–73 (Ger)

[Therapy of chronic heart failure with vasodilators] Urbaszek W, et al. **Z Gesamte Inn Med** 1986 Feb 1;41(3):75–80 (Eng. Abstr.) (Ger)

[Drug therapy of angina pectoris] Scrutinio D, et al. **Cardiologia** 1985 Jan;30 Suppl 1:1–93 (178 ref.) (Ita)

[Effectiveness of flunarizine in chronic headache. Double–blind study of placebo and amitriptyline] Canepari C, et al. **Clin Ter** 1985 Dec 31;115(6):463–8 (Eng. Abstr.) (Ita)

[Preventive therapy of migraine: flunarizine versus verapamil] Centonze V, et al. **Clin Ter** 1985 Dec 15; 115(5):333–9 (Eng. Abstr.) (Ita)

[Treatment of chronic cerebrovascular insufficiency: comparison of nimodipine and dihydroergotoxine] Cosmi F, et al. **Clin Ter** 1986 Feb 15;116(3):213–20 (Eng. Abstr.) (Ita)

[Randomized clinical study of the efficacy of buflomedil in the prevention of recurrence of cerebral ischemia in comparison with anti–platelet aggregation agents] De Martiis M, et al. **Clin Ter** 1986 Mar 15;116(5):367–71 (Eng. Abstr.) (Ita)

[Clinical experience and instrumental evaluation of buflomedil hydrochloride in the therapy of chronic obliterative arteriopathies of the legs] Lucisano V, et al. **Clin Ter** 1986 Jun 30;117(6):499–509 (Eng. Abstr.) (Ita)

[Treatment of circulatory insufficiency with buflomedil chlorhydrate in chronic hemodialysis patients] Montemurro NE, et al. **Clin Ter** 1986 Mar 31;116(6):485–9 (Eng. Abstr.) (Ita)

[Effects of nifedipine and a minoxidil–like arterial vasodilator on myocardial ischemia under dynamic electrocardiographic monitoring] Strozzi C, et al. **Clin Ter** 1986 Jul 15;118(1):9–12 (Eng. Abstr.) (Ita)

[Protocol–guide in clinical experimentation on vasodilator agents in chronic cardiac failure] Binaghi G, et al. **G Ital Cardiol** 1985 Jul;15(7):700–4 (Ita)

[Effect of the acute administration of molsidomine in refractory congestive heart failure. A double–blind randomized non–invasive study] Coletta C, et al. **G Ital Cardiol** 1986 Mar;16(3):232–6 (Eng. Abstr.) (Ita)

[Doppler flowmeter evaluation of the effects of the administration of buflomedil (irrodan) on peripheral circulation in patients with obstructive chronic arteriopathy] Abate S, et al. **Minerva Cardioangiol** 1985 Nov;33(11):749–56 (Eng. Abstr.) (Ita)

[The combination of repeated anesthetic "bathing" of the cervico–thoracic system and buflomedil in analgesic therapy of in Raynaud's syndrome of the arm] Bonezzi C, et al. **Minerva Cardioangiol** 1985 Oct;33(10):655–7 (Eng. Abstr.) (Ita)

[Use of buflomedil chlorhydrate in vertiginous patients. Vertigo] Pianura CM, et al. **Minerva Cardioangiol** 1985 Jun; 33(6):369–72 (Eng. Abstr.) (Ita)

[Clinical evaluation of the activity of buflomedil in ischemic processes in the legs] Savagnone E, et al. **Minerva Cardioangiol** 1985 Nov;33(11):757–64 (Eng. Abstr.) (Ita)

[Effects of OP–41483.alpha–CD, a prostacyclin analog, in the treatment of congestive refractory heart failure—efficacy as a vasodilator] Moriuchi M, et al. **Kokyu To Junkan** 1986 Feb;34(2):195–200 (Eng. Abstr.) (Jpn)

[Evaluation of drugs used in geriatric neuropharmacology] Janicki PK, et al. **Pol Tyg Lek** 1985 Dec 23–30; 40(51–52):1417–21 (25 ref.) (Pol)

[Comparative evaluation of cardiotropic effects of nicamag, panangin and asparkam] Aksel'rod LB, et al. **Farmakol Toksikol** 1985 Sep–Oct;48(5):51–5 (Eng. Abstr.) (Rus)

[Effect of anti–anginal therapy on the functional state of the myocardium in patients with chronic ischemic heart disease] Adamian KG, et al. **Kardiologiia** 1985 Sep; 25(9):52–5 (Eng. Abstr.) (Rus)

[Relation between therapeutic efficacy of antianginal preparations in patients with ischemic heart disease and their effect on the rheologic properties of blood] Furkalo NK, et al. **Kardiologiia** 1985 Sep;25(9):55–9 (Eng. Abstr.) (Rus)

[Clinical evaluation of the action of vasoactive preparations by a functional polymetric method] Dmitrieva NV, et al. **Klin Med (Mosk)** 1985 Dec;63(12):89–94 (Eng. Abstr.) (Rus)

[Role of peripheral vasodilators in the complex treatment of chronic pulmonary heart disease] Butorova VG. **Probl Tuberk** 1986;(6):64–9 (78 ref.) (Rus)

[Predicting the effectiveness of nitrosorbide with regard to increasing tolerance to physical loads] Sledzevskaia IK, et al. **Ter Arkh** 1986;58(5):85–7 (Eng. Abstr.) (Rus)

[Effectiveness of teonikol in the treatment of patients with suppurative surgical infection and diabetes mellitus] Zabegal'skaia ZK, et al. **Vestn Khir** 1986 May;136(5):61–3 (Eng. Abstr.) (Rus)

[Effectiveness of treating stenocardia patients with obzidan, corvaton and corinfar based on the indices of spirometric bicycle ergometry and of central hemodynamics] Korabel'shchikova NI, et al. **Vrach Delo** 1985 Aug; (8):19–21 (Eng. Abstr.) (Rus)

[Effect of molsidomin and nifedipine on tolerance of physical exertion among rheumatic fever patients in the initial stage of heart failure] Sokolov AM. **Vrach Delo** 1986 Jan;(1):32–5 (Eng. Abstr.) (Rus)

[Does nicardipine improve chronic cerebrovascular insufficiency? (letter)] del Ser T, et al. **Med Clin (Barc)** 1986 Feb 22;86(7):304–5 (Spa)

[Duration of the antianginal effect of oral molsidomine in exertion angina. Double–blind, crossed and randomized study] Bordes P, et al. **Rev Esp Cardiol** 1986 Mar–Apr; 39(2):138–42 (Eng. Abstr.) (Spa)

TOXICITY

Vasodilators worsen gas exchange in dog oleic–acid lung injury. Bishop MJ, et al. **Anesthesiology** 1986 Apr; 64(4):435–9

Cardiotoxicity of a new inotrope/vasodilator drug (SK&F 94120) in the dog. Harleman JH, et al. **Arch Toxicol** 1986 May;59(1):51–5

Phase I study of cilostazol. Safety evaluation at increasing single doses in healthy volunteers. Niki T, et al. **Arzneimittelforschung** 1985;35(7A):1173–85

VASOMOTOR RHINITIS see **RHINITIS, VASOMOTOR**

VASOMOTOR SYSTEM

Effect of ammonia intoxication on cerebral blood flow, its autoregulation and responsiveness to carbon dioxide and papaverine. Chodobski A, et al. **J Neurol Neurosurg Psychiatry** 1986 Mar;49(3):302–9

ANATOMY & HISTOLOGY

A vasopressor cell group in the rostral dorsomedial medulla of the rabbit. Goodchild AK, et al. **Brain Res** 1985 Dec 23;360(1–2):24–32

The hypogastric nerve innervates a population of penile neurons in the pelvic plexus. Dail WG, et al. **Neuroscience** 1985 Dec;16(4):1041–6

DRUG EFFECTS

Contribution of area postrema to pressor actions of angiotensin II in dog. Otsuka A, et al. **Am J Physiol** 1986 Sep;251(3 Pt 2):H538–46

Phorbol esters inhibit alpha 1–adrenergic receptor–stimulated

phosphoinositide hydrolysis and contraction in rat aorta: evidence for a link between vascular contraction and phosphoinositide turnover. McMillan M, et al. **Biochem Biophys Res Commun** 1986 Jan 29;134(2):970–4

Hypertensive response to saline microinjection in the area of the nucleus tractus solitarii of the rat. Gavras H, et al. **Brain Res** 1985 Sep 16;343(1):113–9

Spinal cord serotonin release and raised blood pressure after brainstem kainic acid injection. Pilowsky PM, et al. **Brain Res** 1986 Feb 26;366(1–2):354–7

Effect of clonidine and gamma-aminobutyric acid on the discharges of medullo-spinal sympathoexcitatory neurons in the rat. Sun MK, et al. **Brain Res** 1986 Mar 12; 368(1):1–17

Influence of alveolar hypoxia on pulmonary vasomotor responses to almitrine in the dog. Hughes JM, et al. **Clin Sci** 1986 Jun;70(6):555–64

Methylprednisolone on circulating eicosanoids and vasomotor tone after endotoxin. Hales CA, et al. **J Appl Physiol** 1986 Jul;61(1):185–91

Stroke-like syndrome after gold sodium thiomalate induced vasomotor reaction [letter] Wener MH. **J Rheumatol** 1986 Feb;13(1):227–8

The effect of pindolol on exercise-induced increase in plasma vasoactive prostanoids and catecholamines in healthy men. Launtiola K, et al. **Prostaglandins Leukotrienes Med** 1985 Nov;20(2):111–20

Innervation of human omental arteries and veins and vasomotor response to noradrenaline, neuropeptide Y, substance P and vasoactive intestinal peptide. Edvinsson L, et al. **Regul Pept** 1985 Sep;12(1):67–79

Vasomotor effects of dimethyl sulfoxide on cat cerebral arteries in vitro and in vivo. Pitts LH, et al. **Stroke** 1986 May–Jun;17(3):483–7

Increased vascular contraction and sensitivity to norepinephrine after endothelial denudation is inhibited by prazosin. O'Malley MK, et al. **Surgery** 1986 Jan;99(1):36–44

PHYSIOLOGY

Adrenergic innervation and neurogenic response in large and small arteries and veins from the rat. Nilsson H, et al. **Acta Physiol Scand** 1986 Jan;126(1):121–33

Vasomotor changes in human skin elicited by high frequency low amplitude vibration. Skoglund CR, et al. **Acta Physiol Scand** 1985 Oct;125(2):335–6

A vasomotor comparison of the human diving response and the cold pressor test. Arnold RW. **Alaska Med** 1986 Jan–Mar;28(1):5–8

Differential effect of behavior on cardiac and vasomotor baroreflex responses. Combs CA, et al. **Am J Physiol** 1986 Jul;251(1 Pt 2):R126–36

Sustained cerebral vasoconstriction during bilateral sympathetic stimulation in anesthetized rabbits. Busija DW. **Brain Res** 1985 Oct 21;345(2):341–4

Bidirectional cardiovascular connections between ventrolateral medulla and nucleus of the solitary tract. Ciriello J, et al. **Brain Res** 1986 Mar 5;367(1–2):273–81

Lateral hypothalamic and peripheral cardiovascular afferent inputs to ventrolateral medullary neurons. Ciriello J, et al. **Brain Res** 1985 Nov 11;347(1):173–6

Discharge patterns in postganglionic neurones to skeletal muscle and kidney during activation of the hypothalamic and midbrain defence areas in the cat. Dean C, et al. **Brain Res** 1986 Jul 9;377(2):271–8

A ventromedullary relay involved in the hypothalamic and chemoreceptor activation of sympathetic postganglionic neurones to skeletal muscle, kidney and splanchnic area. Dean C, et al. **Brain Res** 1986 Jul 9;377(2):279–85

Regional depletion of central nervous system catecholamines: effects on blood pressure and drinking behavior. Gordon FJ, et al. **Brain Res** 1985 Oct 21;345(2):285–97

Neurochemical studies on the existence, origin and characteristics of the serotonergic innervation of small pial vessels. Scatton B, et al. **Brain Res** 1985 Oct 21; 345(2):219–29

Differentiation of neurogenic vasoconstrictor responses in skin and skeletal muscle of dog hindlimb. Bell C. **J Auton Nerv Syst** 1985 Sep;14(1):13–21

Excitation–contraction coupling in vascular smooth muscle cells and perivascular nerve stimulation. Casteels R, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 6:S9–12

Methods for measuring vascular and nonvascular alpha-receptor sensitivity in humans. Egan B, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 6:S153–8

Neurogenic responses in resistance vessels: roles of alpha 1- and alpha 2-adrenoceptors, transmitter reuptake, ouabain, and plasma factors. Nilsson H, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 6:S76–8

Vasopressor responses and hypoxemia with acutely increased intracranial pressure. Millis RM, et al. **Life Sci** 1986 May 12;38(19):1767–74

Electrophysiological study of sympathoexcitatory structures of the bulbar ventrolateral surface as related to vasomotor regulation. Lebedev VP, et al. **Neuroscience** 1986; 17(1):189–203

Calcitonin gene-related peptide: functional role in cerebrovascular regulation. McCulloch J, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(15):5731–5

[Roles of vasoactive substances in various pulmonary diseases] Kitamura S. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Dec; 23(12):1411–5 (Eng. Abstr.) (Jpn)

[The role of brain-stem vasomotor centers on the neurogenic control of cerebrovascular tonus. Part 2: The effect of stimulation of the medullary reticular formation on cerebrovascular tonus] Nishiura T, et al. **No Shinkei Geka** 1986 Mar;14(4):499–507 (Eng. Abstr.) (Jpn)

[Role of afferentation from mechanoreceptors of the aortic arch and carotid sinuses in the long-term control of sympathetic tone] Eremeev VS, et al. **Fiziol Zh SSSR** 1986 Feb;72(2):176–82 (Eng. Abstr.) (Rus)

[Functional significance of the instability of neuromuscular relations in the vascular wall] Govyrin VA, et al. **Fiziol Zh SSSR** 1986 Jan;72(1):14–9 (Eng. Abstr.) (Rus)

[Role of arteriolar heterogeneity on the development of the organ response of the vasculature of the skeletal muscles of the rat to constrictor stimuli] Koshelev VB, et al. **Fiziol Zh SSSR** 1986 Feb;72(2):198–206 (Eng. Abstr.) (Rus)

[Slow rhythms in the rheovasogram of the tail arteries of the unanesthetized rat] Pronin VI, et al. **Fiziol Zh SSSR** 1985 Nov;71(11):1382–5 (Eng. Abstr.) (Rus)

[Vasomotor reactions in the abdominal skin and muscles of the cat in response to thermal and nociceptive stimuli] Tsitsurin VI. **Fiziol Zh SSSR** 1985 Jul;71(7):872–81 (Eng. Abstr.) (Rus)

[Adrenergic neurons of the ventrolateral region of the bulb: revindication of the "vasomotor center" concept (editorial)] Zito R. **Medicina (B Aires)** 1984;44(3):328–31 (Spa)

PHYSIOPATHOLOGY

Vasomotor escape from noradrenaline in the renal, mesenteric and hindquarter vascular beds in spontaneously hypertensive rats (SHR). Wróblewski TE, et al. **Acta Physiol Pol** 1984 Jul–Aug;35(4):324–9

Vascular reactivity of contralateral kidney in awake Goldblatt hypertensive dog. Zimmerman BG. **Am J Physiol** 1986 Jun;250(6 Pt 2):H1043–9

Unit activity in nucleus paragigantocellularis lateralis during cerebral ischemia in the rat. Guyenet PG, et al. **Brain Res** 1986 Feb 5;364(2):301–14

Central impairment of renal nerve response to stimulation of medullary pressor area in rabbit endotoxic hypotension. Koyama S. **Brain Res** 1986 Feb 26;366(1–2):217–23

Increased lung vasoreactivity in children from Leadville, Colorado, after recovery from high-altitude pulmonary edema. Fasules JW, et al. **Circulation** 1985 Nov; 72(5):957–62

Differential responsivity of the vasomotor response system to a "novel" stressor McCaffrey RJ, et al. **Headache** 1986 May;26(5):240–2

Vasomotor center controls of the hepatic circulation during blood pressure oscillation in rabbits. Takeuchi T, et al. **Jpn J Physiol** 1986;36(1):65–76

Cardiovascular components of the defence reaction evoked by excitation of neuronal cell bodies in the midbrain periaqueductal grey of the cat. McDougall A, et al. **Neurosci Lett** 1985 Sep 16;60(1):69–75

Vasomotor abnormalities as post-polio sequelae: functional and clinical implications. Bruno RL, et al. **Orthopedics** 1985 Jul;8(7):865–9

Vascular effects of altered sodium, potassium pump activity. Mulvany MJ. **Scand J Clin Lab Invest [Suppl]** 1986;180:40–8

[Reflex activity of peripheral vessels in workers using vibrating equipment who have traumatic vasoneuroses of the upper extremities] Pulec Z, et al. **Cas Lek Cesk** 1986 Jan 3;125(1):23–7 (Eng. Abstr.) (Cze)

[Parameters of acral vasomotor activity—sensory arousal variables in psychological stress] Gruber G, et al. **Z Gesamte Inn Med** 1986 Mar 15;41(6):177–9 (Eng. Abstr.) (Ger)

VASOPRESSIN, ARGININE see **ARGIPRESSIN**

VASOPRESSIN, DEAMINO ARGININE see **DESMOPRESSIN**

VASOPRESSIN, ISOLEUCYL see **VASOTOCIN**

VASOPRESSIN, ISOLEUCYL-LEUCYL see **OXYTOCIN**

VASOPRESSIN, LYSINE see **LYPRESSIN**

VASOPRESSIN, NON-MAMMALIAN see **VASOTOCIN**

VASOPRESSINS

see related
INAPPROPRIATE ADH SYNDROME

Vasopressin cell surface antibodies in central diabetes insipidus detected on cultured human foetal hypothalamus. Scherbaum WA, et al. **Horm Metab Res** 1985 Nov; 17(11):622

Structure of pressinoic acid: the cyclic moiety of vasopressin. Langs DA, et al. **Science** 1986 Jun 6;232(4755):1240–2

ADMINISTRATION & DOSAGE

Peripheral injections of vasopressin control behavior by way of interoceptive signals for hypertension. Bluthé RM, et al. **Behav Brain Res** 1985 Oct–Nov;18(1):31–9

Transcatheter control of postpolypectomy hemorrhage. Sanchez FW, et al. **Gastrointest Radiol** 1986;11(3):254–6

Vasopressin and nitroglycerin in the treatment of bleeding varices: the bottom line. Conn HO. **Hepatology** 1986 May–Jun;6(3):523–5

A randomized trial of vasopressin and vasopressin plus nitroglycerin in the control of acute variceal hemorrhage. Gimson AE, et al. **Hepatology** 1986 May–Jun;6(3):410–3

Controlled trial of vasopressin plus nitroglycerin vs. vasopressin alone in the treatment of bleeding esophageal varices. Tsai YT, et al. **Hepatology** 1986 May–Jun; 6(3):406–9

Diabetes insipidus in pregnancy. Feldberg D, et al. **Isr J Med Sci** 1985 Aug;21(8):695–7

Massive gastric hemorrhage in a neonate. Diagnosis and control by umbilical artery catheterization and intra-arterial vasopressin infusion. Goldman ML, et al. **JAMA** 1985 Dec 6;254(21):3061–2

The Mallory–Weiss syndrome. Case report and update on embolization versus intraarterial vasopressin results. Pezzulli FA, et al. **NY State J Med** 1986 Jun;86(6):312–4

[Use of vasopressin in the treatment of bleeding esophageal varices. Our experiences] Fornaro R, et al. **Minerva Med** 1985 Oct 6;76(38):1719–26 (Eng. Abstr.) (Ita)

ADVERSE EFFECTS

A lethal complication of peripheral vein vasopressin infusion. Brearley S, et al. **Hepatogastroenterology** 1985 Oct; 32(5):224–5

Vasopressin-induced bullous disease and cutaneous necrosis. Korenberg RJ, et al. **J Am Acad Dermatol** 1986 Aug;15(2 Pt 2):393–8

[Better use of POR 8 (letter)] Dargent D, et al. **Presse Med** 1986 Jun 7;15(23):1106 (Fre)

[Does POR 8 (ornithine-vasopressin) have deleterious side effects? (letter)] Lamazou J, et al. **Presse Med** 1985 Dec 14;14(43):2193 (Fre)

ANALYSIS

Structural and functional relationships of grafted vasopressin neurons. Marciano FF, et al. **Brain Res** 1986 Apr 9; 370(2):338–42

Vasopressin and oxytocin in the developing rat brain as shown by isoelectric focusing of radioimmunoassayable peptides. van der Sluis PJ, et al. **Brain Res** 1986 Apr; 391(1):85–90

Effect of thiamin deficiency on adrenocorticotrophin and vasopressin in the rat hypothalamus. Summers JA, et al. **Horm Metab Res** 1986 Apr;18(4):280

Co-localization of corticotropin-releasing factor and vasopressin in median eminence neurosecretory vesicles. Whitnall MH, et al. **Nature** 1985 Sep 19–25; 317(6034):248–50

[Study of the peptide hormones of the hypothalamo-postpituitary system of the dromedary, Camelus dromedarius, (Camelidae, Mammalia) of Tunisia] Marrakchi-Mzid N, et al. **Arch Inst Pasteur Tunis** 1985 Sep;62(3):329–38 (Eng. Abstr.) (Fre)

ANTAGONISTS & INHIBITORS

The effect on the human uterus of two newly developed competitive inhibitors of oxytocin and vasopressin. Akerlund M, et al. **Acta Obstet Gynecol Scand** 1985; 64(6):499–504

Differential effects of dPTyr(Me)AVP, a vasopressin antagonist, upon foot shock analgesia. Kordower JH, et al. **Int J Neurosci** 1985 Dec;28(3–4):269–78

Antagonism of vasopressin-induced coronary artery constriction by the vasopressin antagonist d(CH2)5Tyr(Me)-AVP. Kopia GA, et al. **J Cardiovasc Pharmacol** 1985 Sep–Oct;7(5):958–63

Potent vasopressin antagonists lacking the proline residue at position 7. Ali FE, et al. **J Med Chem** 1986 Jun;29(6):984–8

Novel vasopressin analogues that help define a minimum effective antagonist pharmacophore. Huffman WF, et al. **J Med Chem** 1985 Dec;28(12):1759–60

Vasopressin antagonists allow demonstration of a novel type of vasopressin receptor in the rat adenohypophysis. Jard S, et al. **Mol Pharmacol** 1986 Aug;30(2):171–7

Vasopressin and vasopressin-antagonists applied to neonatal Wistar rats: effects on body and brain development and water metabolism. Snijdewint FG, et al. **Neurobehav Toxicol Teratol** 1986 May–Jun;8(3):213–7

A V1 vasopressin receptor antagonist has nonspecific neurodepressant actions in the spinal cord. Porter JP, et al. **Neuroendocrinology** 1986;43(1):75–8

Aminoglycoside toxicity: pH dependent inhibition of ADH response. Goodman DB, et al. **Res Commun Chem Pathol Pharmacol** 1986 May; 52(2):147–58

BIOSYNTHESIS

Responsiveness of oxytocin-producing neurons to acute salt loading in rats: comparisons with vasopressin-producing neurons. Cheng SW, et al. **Neuroendocrinology** 1986; 42(2):174–80

[Biosynthesis of pituitary hormones—gene organization and processing—posterior pituitary hormones] Yoshida S. **Nippon Rinsho** 1986 Mar;44(3):574–8 (17 ref.) (Jpn)

BLOOD

Effect of haemodialysis on plasma ADH levels, plasma renin activity and plasma aldosterone levels in patients with end-stage renal disease. Iitake K, et al. **Acta Endocrinol (Copenh)** 1985 Oct;110(2):207–13

Antidiuretic hormone and atrial natriuretic peptide in congestive heart failure. Fyhrquist F, et al. **Acta Med Scand [Suppl]** 1986;707:55–8

The influence of renal papillary urea concentrations and of plasma vasopressin on the urinary prostaglandins E2 and F2 alpha excretion in conscious rats in steady state of urine formation. Bojesen E, et al. **Acta Physiol Scand** 1986 Feb; 126(2):279–88

Cardiovascular haemodynamics and the response of vasopressin, aldosterone, plasma renin activity and plasma catecholamines to head–up tilt in young and old healthy subjects. Vargas E, et al. **Age Ageing** 1986 Jan;15(1):17–28

Effects of betamethasone on plasma ADH and catecholamines during cardiopulmonary bypass under neuroleptic anaesthesia. Matsuki A, et al. **Agressologie** 1986 Jan;27(1):53–5

Antidiuretic hormone response in children with bronchopulmonary dysplasia during episodes of acute respiratory distress. Rao M, et al. **Am J Dis Child** 1986 Aug;140(8):825–8

Hemorrhage in DOC–salt hypertensive rats: plasma and platelet vasopressin. Crofton JT, et al. **Am J Physiol** 1985 Dec;249(6 Pt 2):R726–31

Electrical stimulation in subfornical organ increases plasma vasopressin concentrations in the conscious rat. Ferguson AV, et al. **Am J Physiol** 1986 Aug;251(2 Pt 2):R425–8

Methionine–enkephalin and vasopressin in SHR: effects of dehydration. Ota K, et al. **Am J Physiol** 1986 Jun;250(6 Pt 2):R1007–13

Vasopressin and renin response to plasma volume loss in spontaneously hypertensive rats. Sladek CD, et al. **Am J Physiol** 1986 Mar;250(3 Pt 2):H443–52

Angiotensin II inhibition with captopril on plasma ADH, PG synthesis, and renal function in humans. Usberti M, et al. **Am J Physiol** 1986 Jun;250(6 Pt 2):F986–90

Effect of hydration on plasma vasopressin, renin, and aldosterone responses to head–up tilt. Harrison MH, et al. **Aviat Space Environ Med** 1986 May;57(5):420–5

Plasma vasopressin concentrations and serum vasopressinase activity in pregnant and nonpregnant women. Viinamäki O, et al. **Biol Res Pregnancy Perinatol** 1986;7(1):17–9

Stimulus for vasopressin release during elective intra–abdominal operations. Melville RJ, et al. **Br J Surg** 1985 Dec;72(12):979–82

Interrelationship between central bradykinin and vasopressin in conscious rats. Brooks DP, et al. **Brain Res** 1986 Apr 16;371(1):42–8

Evaluation of cardiac output, total peripheral vascular resistance, and plasma concentrations of vasopressin in the conscious, unrestrained rat during endotoxemia. Brackett DJ, et al. **Circ Shock** 1985;17(4):273–84

Simple and rapid radioimmunoassay for the routine determination of vasopressin in plasma. Larose P, et al. **Clin Biochem** 1985 Dec;18(6):357–61

Selective renal medullary damage and hypertension in the rat: the role of vasopressin. Russell GI, et al. **Clin Sci** 1986 Aug;71(2):167–71

Vasopressin and diabetic ketoacidosis [letter] Grant PJ, et al. **Diabetologia** 1986 Jun;29(6):405–6

The metabolic clearance rate of and pressor responses to vasopressin in male and female rats. Crofton JT, et al. **Endocrinology** 1986 May;118(5):1777–81

Spontaneous and stimulated adrenocorticotropin and vasopressin pulsatile secretion in the pituitary venous effluent of the horse. Redekopp C, et al. **Endocrinology** 1986 Apr;118(4):1410–6

Plasma vasopressin, renin activity, and aldosterone responses to maximal exercise in active college females. Maresh CM, et al. **Eur J Appl Physiol** 1985;54(4):398–403

Effect of substances influencing brain serotonergic transmission on plasma vasopressin levels in the rat. Iovino M, et al. **Eur J Pharmacol** 1985 Jul 11;113(1):99–103

Vasopressin and prolactin as stress hormones. Punnonen R, et al. **Gynecol Obstet Invest** 1986;21(2):76–9

Effect of antigravity suit inflation on cardiovascular, PRA, and PVP responses in humans. Kravik SE, et al. **J Appl Physiol** 1986 Aug;61(2):766–74

Osmotic stimulation in DOC–salt hypertension: vasopressin and blood pressure. Crofton JT, et al. **J Hypertens** 1986 Jun;4(3):307–12

Relative importance of sympathetic nerves and of circulating adrenaline and vasopressin in mediating hypertension after lesions of the caudal ventrolateral medulla in the rat. Minson J, et al. **J Hypertens** 1986 Jun;4(3):273–81

Relationship between vasopressin and the renin–angiotensin–aldosterone system in essential hypertension: effect of converting enzyme inhibitor on plasma vasopressin. Santucci A, et al. **J Hypertension [Suppl]** 1985 Nov;3(2):S133–4

Elevated plasma vasopressin in cardiomyopathic hamsters. Sved AF, et al. **Life Sci** 1985 Dec 16;37(24):2313–7

Increased plasma vasopressin in sinoaortic denervated rats. Alexander N, et al. **Neuroendocrinology** 1986;42(5):361–7

Head out water immersion (WI) induced endocrine alterations in hypertensive patients. Kokot F, et al. **Przegl Lek** 1985;42(3):316–8

[Significance of endocrine parameters of stress] von Bormann B, et al. **Anaesthesist** 1985 Jun;34(6):280–6 (Eng. Abstr.) (Ger)

[Antidiuretic hormone (ADH) in the dialysed patient and after renal transplant] Fortina F, et al. **Minerva Urol Nefrol** 1986 Apr–Jun;38(2):227–30 (Eng. Abstr.) (Ita)

[Influence of the modality of delivery on the plasma levels of ADH in the mother and the newborn infant] Ronconi GF, et al. **Pediatr Med Chir** 1985 Mar–Apr;7(2):225–8 (Eng. Abstr.) (Ita)

[Effect of phototherapy on the plasma levels of antidiuretic hormone in the newborn infant] Ronconi M, et al. **Pediatr Med Chir** 1985 Mar–Apr;7(2):229–31 (Eng. Abstr.) (Ita)

[Plasma ADH levels during open heart surgery—comparison with buprenorphine diazepam–N2O–O2 anesthesia and fentanyl infusion anesthesia] Okutani R, et al. **Masui** 1985 Dec;34(12):1630–7 (Eng. Abstr.) (Jpn)

[The clinical study of hyponatremia in the elderly. Part Three. Plasma ADH secretion in dilutional hyponatremia] Kobayashi H, et al. **Nippon Ronen Igakkai Zasshi** 1985 Nov; 22(6):516–21 (Eng. Abstr.) (Jpn)

CEREBROSPINAL FLUID

Cerebrospinal fluid vasopressin, oxytocin, somatostatin, and beta–endorphin in Alzheimer's disease. Raskind MA, et al. **Arch Gen Psychiatry** 1986 Apr;43(4):382–8

Neural regulation of the circadian vasopressin rhythm in cerebrospinal fluid: a pre–eminent role for the suprachiasmatic nuclei. Schwartz WJ, et al. **J Neurosci** 1985 Oct;5(10):2771–8

CSF vasopressin concentration is reduced in Alzheimer's disease. Mazurek MF, et al. **Neurology** 1986 Aug; 36(8):1133–7

DEFICIENCY

Neurogenic diabetes insipidus in a sheep. Thomson JR, et al. **J Comp Pathol** 1986 Jan;96(1):119–24

Transient enhancement of serum somatomedin levels prior to weaning of growth–impaired vasopressin–deficient Brattleboro rats. Boer GJ, et al. **J Dev Physiol** 1985 Oct; 7(5):321–7

Documented vasopressin deficiency in a child with Wolfram syndrome. Wit JM, et al. **J Pediatr** 1986 Sep;109(3):493–4

Effects of vasopressin deficiency, age, and stress on stomach ulcer induction in rats. Wideman CH, et al. **Peptides** 1985; 6 Suppl 1:63–7

Altered emotionality of the vasopressin–deficient Brattleboro rat. Williams AR, et al. **Peptides** 1985;6 Suppl 1:69–76

DIAGNOSTIC USE

Combined use of vasopressin and synthetic hypothalamic releasing factors as test of anterior pituitary function [letter] Grossman A, et al. **Br Med J [Clin Res]** 1986 May 10; 292(6530):1272

GENETICS

Expression of a mutant vasopressin gene: differential polyadenylation and read–through of the mRNA 3' end in a frame–shift mutant. Ivell R, et al. **EMBO J** 1986 May; 5(5):971–7

Expression of the vasopressin and oxytocin genes in human hypothalami. Mohr E, et al. **FEBS Lett** 1985 Nov 25; 193(1):12–6

Vasopressin gene expression is attenuated in the fetal Brattleboro rat. Van Tol HH, et al. **FEBS Lett** 1986 Aug 11;204(1):101–5

Hypothalamic dynorphin and vasopressin mRNA expression in normal and Brattleboro rats. Sherman TG, et al. **Fed Proc** 1986 Aug;45(9):2323–7 (34 ref.)

IMMUNOLOGY

Immunoreactivity to vasopressin– but not oxytocin–associated neurophysin antiserum in phasic neurons of rat hypothalamic paraventricular nucleus. Cobbett P, et al. **Brain Res** 1986 Jan 1;362(1):7–16

A specific antibody to vasopressin in a man with concomitant resistance to treatment with Pitressin. Bichet DG, et al. **Clin Chem** 1986 Jan;32(1 Pt 1):211–2

Production of idiotypic and anti–idiotypic antibodies by BALB/c mice in response to immunizations with glucagon, vasopressin, or insulin: supporting evidence for the network concept. Reilly TM, et al. **J Immunol** 1986 Jul 15; 137(2):597–602

Use of a cross–species immunohistochemical procedure to demonstrate the presence of neurophysin antibodies in the serum of a patient treated with Pitressin. Watkins WB. **Neurosci Lett** 1986 May 6;66(1):91–5

Monoclonal antibodies to antidiuretic hormone. Jones CA, et al. **Regul Pept [Suppl]** 1985;4:71–3

[Coexpression of immunoreactivity with an anti–corticoliberin immune serum and immunoreactivity with an anti–vasopressin immune serum in human hypothalamic neurons] Clavequin MC, et al. **Ann Endocrinol (Paris)** 1985;46(1):64–6 (Eng. Abstr.) (Fre)

METABOLISM

The neurohypophyseal vasopressin content under conditions of inhibited synthesis of prostaglandins in euhydrated and dehydrated rats. Bojanowska E, et al. **Acta Physiol Pol** 1985 Sep–Dec;36(5–6):332–8

The hypothalamic and neurohypophysial vasopressor and oxytocic activities under conditions of chronic tobacco smoke exposure in the rat. Bojanowska E, et al. **Acta Physiol Pol** 1985 Jul–Aug;36(4):242–7

The hypothalamic and neurohypophysial vasopressin and oxytocin content under various states of adrenergic transmission in dehydrated and subsequently rehydrated rats. Ciosek J, et al. **Acta Physiol Pol** 1985 Jul–Aug; 36(4):229–41

The hypothalamic and neurohypophysial vasopressor and oxytocic content as influenced by alpha–adrenergic blockade in stressed rats. Guzek JW, et al. **Acta Physiol Pol** 1985 May–Jun;36(3):193–200

In vitro intestinal transport of vasopressin and its analogues. Vilhardt H, et al. **Acta Physiol Scand** 1986 Apr;126(4):601–7

Central cholinergic control of vasopressin release in conscious rats. Iitake K, et al. **Am J Physiol** 1986 Aug;251(2 Pt 1):E146–50

Cardiac receptors, vasopressin, and corticosteroid release during arterial hypotension in dogs. Lee ME, et al. **Am J Physiol** 1986 Sep;251(3 Pt 2):R614–20

Specific vasopressin binding to rat adrenal glomerulosa cells. Relationship to inositol lipid breakdown. Guillon G, et al. **Biochem J** 1986 Apr 1;235(1):209–14

The vasopressin containing neurons in the human brain; changes during ageing and senile dementia. Swaab DF, et al. **Br J Clin Pract [Symp Suppl]** 1985 Jun;39:7–10

Extrahypothalamic vasopressin and oxytocin in the human brain; presence of vasopressin cells in the bed nucleus of the stria terminalis. Fliers E, et al. **Brain Res** 1986 Jun 11; 375(2):363–7

Localization of vasopressin–neurophysin and norepinephrine in the supraoptic nucleus of spontaneously hypertensive rats. Sladek JR Jr, et al. **Brain Res** 1986 Feb 19; 365(2):293–304

Do opioid peptides modulate, at the level of the nerve endings, the release of neurohypophysial hormones? Nordmann JJ, et al. **Exp Brain Res** 1986;61(3):560–6

Antidiuretic hormone involvement in the release of alpha–melanocyte–stimulating hormone by hyperosmotic stimuli. Howe A, et al. **Experientia** 1985 Sep 15; 41(9):1163–5

Reversible inactivation of vasopressin and angiotensin II binding to hepatocyte membranes by a calcium–dependent, cytosolic protein. Fishman JB, et al. **J Biol Chem** 1986 May 5;261(13):5810–6

Vasopressin secretion in normotensive black and white men and women on normal and low sodium diets. Crofton JT, et al. **J Endocrinol** 1986 Feb;108(2):191–9

Vasopressin mRNA regulation in individual hypothalamic nuclei: a northern and in situ hybridization analysis. Sherman TG, et al. **J Neurosci** 1986 Jun;6(6):1685–94

Osmotic threshold for vasopressin release in hyperprolactinemic patients. Ben–Haim S, et al. **Miner Electrolyte Metab** 1986;12(3):210–2

Vasopressin receptor–adenylate cyclase interactions. Studies in an intact cultured renal epithelial cell line (LLC–PK1). Skorecki KL, et al. **Miner Electrolyte Metab** 1986; 12(1):64–70 (26 ref.)

Modulation by fenoldopam (SKF 82526) and bromocriptine of the electrically evoked release of vasopressin from the rat neurohypophysis. Effects of dopamine depletion. Racké K, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Apr; 332(4):332–7

Role of intracerebral angiotensin receptors in the regulation of vasopressin release and the cardiovascular system. Shoji M, et al. **Neuroendocrinology** 1986;43(2):239–44

Alpha 1–adrenergic receptor activation releases vasopressin and oxytocin from perfused rat hypothalamic explants. Randle JC, et al. **Neurosci Lett** 1986 Apr 11;65(2):219–23

In vivo biosynthesis and transport of oxytocin, vasopressin and neurophysin from the hypothalamus to the spinal cord. White JD, et al. **Neuroscience** 1986;17(1):133–40

Role of cholecystokinin in corticotropin release: coexistence with vasopressin and corticotropin–releasing factor in cells of the rat hypothalamic paraventricular nucleus. Mezey E, et al. **Proc Natl Acad Sci USA** 1986 May;83(10):3510–2

[Characterization of vasopressin receptors in cerebral endothelial cells] Hess J, et al. **Acta Histochem [Suppl] (Jena)** 1986;33:79–83 (Eng. Abstr.) (Ger)

[Plasma and urine ADH levels during open heart surgery with buprenorphine–N2O–O2 anesthesia] Okutani R, et al. **Masui** 1986 May;35(5):717–23 (Eng. Abstr.) (Jpn)

[A case of essential hypernatremia presumably caused by partial diabetes insipidus, upward resetting of the osmostat and hypodipsia] Inoue M, et al. **Nippon Naika Gakkai Zasshi** 1985 Dec;74(12):1699–703 (Jpn)

[Gomori–positive elements of the hypothalamo–hypophyseal neurosecretory system of the rat (immunohistochemical study)] Krasnovskaia IA, et al. **Arkh Anat Gistol Embriol** 1985 Aug;89(8):38–44 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Effects of oxytocin and vasopressin on the ovarian blood flow, progesterone and oestradiol–17 beta secretion in oestrous rats. Varga B, et al. **Acta Endocrinol (Copenh)** 1985 Oct;110(2):271–5

Effects of intracerebroventricular administration of vasopressin and oxytocin on the extinction of hippocampal theta rhythm in rabbits. Kosiński S.
Acta Neurobiol Exp (Warsz) 1986;46(1):27–35

The effect of vasopressin upon the cochlear potentials in the guinea pig. Mori N, et al. **Acta Otolaryngol (Stockh)** 1986 Mar–Apr;101(3–4):217–23

The protective effect of intra-arterial vasopressin injections on the small bowel during fractionated abdominal irradiation. A study in pigs. Borgström S, et al.
Acta Radiol [Oncol] 1985 Sep–Oct;24(5):401–5

Effect of calcium antagonists on vasopressin induced changes in myocardial and renal pyridine nucleotides in the intact rat. DiPette D, et al. **Adv Exp Med Biol** 1986;194:503–17

Blockade of colchicine–induced inhibition of vasopressin–stimulated osmotic water flow: failure to influence microtubule formation. Baron DA, et al.
Am J Physiol 1985 Oct;249(4 Pt 2):F464–9

Polycations reduce vasopressin–induced water flow by endocytic removal of water channels. Beauwens R, et al.
Am J Physiol 1986 May;250(5 Pt 1):C729–37

Vasopressin increases cytosolic free calcium concentration in glomerular mesangial cells. Bonventre JV, et al.
Am J Physiol 1986 Jul;251(1 Pt 2):F94–102

Bradykinin and vasopressin stimulate Na+–K+–Cl– cotransport in cultured endothelial cells. Brock TA, et al.
Am J Physiol 1986 Jun;250(6 Pt 1):C888–95

Sites at which vasopressin facilitates baroreflex inhibition of lumbar sympathetic nerve activity. Guo GB, et al.
Am J Physiol 1986 Sep;251(3 Pt 2):H644–55

Fluorescent markers to study membrane retrieval in antidiuretic hormone–treated toad urinary bladder. Harris HW Jr, et al. **Am J Physiol** 1986 Aug;251(2 Pt 1):C274–84

Time–dependent attenuation of water flow in antidiuretic hormone–treated toad bladder. Kachadorian WA, et al.
Am J Physiol 1986 May;250(5 Pt 2):F845–9

Effects of calcium on the vasopressin–sensitive cAMP metabolism in medullary tubules. Kusano E, et al.
Am J Physiol 1985 Dec;249(6 Pt 2):F956–66

Pressor resistance to vasopressin in sodium depletion, potassium depletion, and cirrhosis. Murray BM, et al.
Am J Physiol 1986 Sep;251(3 Pt 2):R525–30

Mechanism of bradykinin, ADH, and cAMP interaction in rabbit cortical collecting duct. Schuster VL.
Am J Physiol 1985 Nov;249(5 Pt 2):F645–53

Role of the vasoconstrictor and antidiuretic activities of vasopressin in inhibition of renin secretion in conscious dogs. Schwartz J, et al. **Am J Physiol** 1986 Jan;250(1 Pt 2):F92–6

Contrasting effects of vasopressin on baroreflex inhibition of lumbar sympathetic nerve activity. Sharabi FM, et al.
Am J Physiol 1985 Nov;249(5 Pt 2):H922–8

Evidence for vasopressin activation of adenylate cyclase by subunit dissociation. Skorecki KL, et al. **Am J Physiol** 1986 Jan;250(1 Pt 1):C115–23

Effect of ADH on chloride reabsorption in the loop of Henle of the Brattleboro rat. Work J, et al. **Am J Physiol** 1985 Nov;249(5 Pt 2):F698–703

Further studies on vasopressin–induced pressor responses to kainic acid injected into the nucleus tractus solitarii of the rat. Kubo T, et al. **Arch Int Pharmacodyn Ther** 1985 Jul; 276(1):73–81

Vasopressin disrupts radial–maze performance in rats. van Haaren F, et al. **Behav Neural Biol** 1986 May;45(3):350–7

Calcium/phospholipid–dependent protein kinase and its relationship to antidiuretic hormone in toad urinary bladder epithelium. Yorio T, et al.
Biochem Biophys Res Commun 1985 Dec 17;133(2):717–23

A peptide that inhibits the mitogenic stimulation of Swiss 3T3 cells by bombesin or vasopressin. Corps AN, et al.
Biochem J 1985 Nov 1;231(3):781–4

Homologous and heterologous desensitization of one of the pathways of the alpha 1–adrenergic action. Effects of epinephrine, vasopressin, angiotensin II and phorbol 12–myristate 13–acetate. García–Sáinz JA, et al.
Biochim Biophys Acta 1986 Jun 16;887(1):73–9

Phorbol estern, vasopressin and angiotensin II block alpha 1–adrenergic action in rat hepatocytes. Possible role of protein kinase C. García–Sáinz JA, et al.
Biochim Biophys Acta 1986 Jun 16;887(1):69–72

Cell determinants of vasopressin–stimulated water flow. Carvounis CP. **Biol Cell** 1985;55(3):207–12

From stimulus–secretion coupling to stimulus–hydrosmotic response. de Sousa RC. **Biol Cell** 1985;55(3):159–62

Evidence for cycling of aggregate–containing tubules in toad urinary bladder. Ding G, et al. **Biol Cell** 1985;55(3):213–8

Action of photoreactive analogs of vasopressin in toad bladder. Eggena P, et al. **Biol Cell** 1985;55(3):231–7

Regulation of ADH–stimulated water flow at a post–luminal barrier in toad bladder. Kachadorian WA. **Biol Cell** 1985; 55(3):225–9

Role of the cytoskeleton in the control of transcellular water flow by vasopressin in amphibian urinary bladder. Pearl M, et al. **Biol Cell** 1985;55(3):163–72 (81 ref.)

Hydrosmotic response to vasopressin in frog skin. Control by endogenous factors. Svelto M, et al. **Biol Cell** 1985; 55(3):199–205

Effects of noradrenaline, vasopressin and angiotensin on the Na–K pump in rat isolated liver cells. Berthon B, et al.
Br J Pharmacol 1985 Sep;86(1):151–61

Clonidine fails to reduce pressor responsiveness of conscious spontaneously hypertensive rats to vasopressin. Datar S, et al. **Can J Physiol Pharmacol** 1986 Mar;64(3):284–9

Adenosine modulation of hepatic arterial but not portal venous constriction induced by sympathetic nerves, norepinephrine, angiotensin, and vasopressin in the cat. Lautt WW, et al. **Can J Physiol Pharmacol** 1986 Apr; 64(4):449–54

Influence of intravenous and intracerebroventricular vasopressin on baroreflex control of renal nerve traffic. Imaizumi T, et al. **Circ Res** 1986 Jan;58(1):17–25

A vasopressin–mediated diminution of potassium excretion in water–loaded man. Buckley J, et al. **Clin Sci** 1985 Nov; 69(5):601–6

Effects of physiological concentrations of vasopressin on haemostatic function in man. Grant PJ, et al. **Clin Sci** 1985 Oct;69(4):471–6

Rat renal cell monolayer culture: a sensitive method for investigating ADH and PTH actions on the kidney by determining adenosine 3' :5'–cyclic monophosphate. Hatano T, et al. **Endocrinol Jpn** 1985 Apr;32(2):215–23

Role of extracellular calcium and calcium efflux in the activation of hepatic glycogenolysis by calcium–dependent hormones. Koide Y, et al. **Endocrinol Jpn** 1985 Apr; 32(2):317–26

Vasopressin induces breakdown of membrane phosphoinositides in adrenal glomerulosa and fasciculata cells. Gallo–Payet N, et al. **Endocrinology** 1986 Sep; 119(3):1042–7

Vasopressin stimulates phosphatidylinositol turnover and aldosterone synthesis in rat adrenal glomerulosa cells: comparison with angiotensin II. Woodcock EA, et al.
Endocrinology 1986 Jun;118(6):2432–6

Hormonal regulation of the tricarboxylic acid cycle in the isolated perfused rat liver. Patel TB. **Eur J Biochem** 1986 Aug 15;159(1):15–22

Stimulation of specific GTPase activity by vasopressin in isolated membranes from cultured rat hepatocytes. Fain JN, et al. **FEBS Lett** 1985 Nov 18;192(2):251–4

Somatostatin and alpha 2–adrenergic agonists selectively inhibit vasopressin–induced cyclic AMP accumulation in MDCK cells. Friedlander G, et al. **FEBS Lett** 1986 Mar 17;198(1):38–42

Activation of membrane phospholipase C by vasopressin. A requirement for guanyl nucleotides. Guillon G, et al.
FEBS Lett 1986 Feb 3;196(1):155–9

Vasopressin–stimulated phosphorylation of rat liver phospholipid methyltransferase in isolated hepatocytes. Mérida I, et al. **FEBS Lett** 1986 Feb 17;196(2):274–8

Inhibition of the hydro–osmotic response to vasopressin and hypertonicity by phenothiazines and W7, calmodulin antagonists. Yorio T, et al. **Gen Pharmacol** 1985; 16(4):347–53

Specific vacuolation of frog urinary bladder granular cell after ADH stimulation of water transport. Komissarchik YaYu, et al. **Gen Physiol Biophys** 1985 Dec;4(6):557–72

Effect of 8–bromo–cyclic guanosine monophosphate (cGMP) on coronary artery constriction in isolated rabbit hearts. Bing RJ, et al. **J Am Coll Cardiol** 1986 Aug;8(2):342–8

Relative contribution of different vascular beds to the pressor effects of alpha–adrenoreceptor agonists and vasopressin in pithed rats: radioactive microsphere determination. Waldron CJ, et al. **J Auton Pharmacol** 1985 Dec;5(4):333–8

Vasopressin and/or glucagon rapidly increases mitochondrial calcium and oxidative enzyme activities in the perfused rat liver. Assimacopoulos–Jeannet F, et al. **J Biol Chem** 1986 Jul 5;261(19):8799–804

Role of a guanine nucleotide–binding regulatory protein in the hydrolysis of hepatocyte phosphatidylinositol 4,5–bisphosphate by calcium–mobilizing hormones and the control of cell calcium. Studies utilizing aluminum fluoride. Blackmore PF, et al. **J Biol Chem** 1985 Nov 25; 260(27):14477–83

Stimulation of 1,2–diacylglycerol accumulation in hepatocytes by vasopressin, epinephrine, and angiotensin II. Boockino SB, et al. **J Biol Chem** 1985 Nov 15; 260(26):14201–7

The role of extracellular Ca2+ in the response of the hepatocyte to Ca2+–dependent hormones. Joseph SK, et al. **J Biol Chem** 1985 Oct 15;260(23):12508–15

The relationship of hormone–sensitive and hormone–insensitive phosphatidylinositol to phosphatidylinositol 4,5–bisphosphate in the WRK–1 cell. Koreh K, et al. **J Biol Chem** 1986 Jan 5;261(1):88–91

Synergistic stimulation of the Ca2+ influx in rat hepatocytes by glucagon and the Ca2+–linked hormones vasopressin and angiotensin II. Mauger JP, et al. **J Biol Chem** 1985 Sep 25;260(21):11635–42

Hormone–stimulated polyphosphoinositide breakdown in rat liver plasma membranes. Roles of guanine nucleotides and calcium. Uhing RJ, et al. **J Biol Chem** 1986 Feb 15; 261(5):2140–6

Catecholamine and vasopressin stimulation of gluconeogenesis from dihydroxyacetone in the presence of atractyloside. Warnette–Hammond ME, et al.
J Biol Chem 1985 Oct 15;260(23):12647–52

Calcitonin and vasopressin affect epithelial properties in a renal cell line. Wohlwend A, et al. **J Cell Physiol** 1986 Jul;128(1):71–5

Inhibition by lithium of the hydroosmotic action of vasopressin in the isolated perfused cortical collecting tubule of the rabbit. Cogan E, et al. **J Clin Invest** 1986 May;77(5):1507–14

Transepithelial water flow regulates apical membrane retrieval in antidiuretic hormone–stimulated toad urinary bladder. Harris HW Jr, et al. **J Clin Invest** 1986 Sep; 78(3):703–12

Sodium transport by rat cortical collecting tubule. Effects of vasopressin and desoxycorticosterone. Reif MC, et al.
J Clin Invest 1986 Apr;77(4):1291–8

Inhibition of vasopressin–stimulated water flow in toad bladder by phorbol myristate acetate, dioctanoylglycerol, and RHC–80267. Evidence for modulation of action of vasopressin by protein kinase C. Schlondorff D, et al.
J Clin Invest 1985 Sep;76(3):1071–8

Effects of vasopressin–glycine and vasopressin–glycine–lysine–arginine on renal function in the rat. Lote CJ, et al. **J Endocrinol** 1986 Feb;108(2):255–60

Circulatory actions of vasopressin in anaesthetized rats with portal hypertension subjected to haemorrhage. Valla D, et al. **J Hepatol** 1986;2(3):328–39

Vasopressin induces endothelium–dependent relaxations of cerebral and coronary, but not of systemic arteries. Vanhoutte PM, et al. **J Hypertension [Suppl]** 1984 Dec; 2(3):S421–2

Modified di– and tripeptides of the C–terminal portion of oxytocin and vasopressin as possible cognition activation agents. Nicolaides ED, et al. **J Med Chem** 1986 Jun; 29(6):959–71

Binding of 3H–phenamil, an irreversible amiloride analog, to toad urinary bladder: effects of aldosterone and vasopressin. Garvin JL, et al. **J Membr Biol** 1986; 90(2):107–13

Comparison of the effects of muscarine and vasopressin on inositol phospholipid metabolism in the superior cervical ganglion of the rat. Horwitz J, et al.
J Pharmacol Exp Ther 1986 Apr;237(1):312–7

Mechanism of action and structural requirements of vasopressin analog inhibition of transepithelial water flux in toad urinary bladder. Mann WA, et al.
J Pharmacol Exp Ther 1986 Aug;238(2):401–6

The effects and interactions of angiotensin and vasopressin on the heart of unanaesthetized sheep. Caine AC, et al.
J Physiol (Lond) 1985 Oct;367:1–11

Arterial smooth muscle effects of aldosterone and vasopressin: action on ionic fluxes. Moura AM, et al.
J Steroid Biochem 1986 Jan;24(1):427–9

Role of mesangial proliferation in angiotensin II and antidiuretic hormone induced changes in glomerular filtration rate. Takamitsu Y, et al. **Jpn Circ J** 1985 Nov; 49(11):1135–43

Brain water measured in volunteers after alcohol and vasopressin [letter] Mander AJ, et al. **Lancet** 1985 Nov 9; 2(8463):1075

The effects of vasopressin on hepatic haemodynamics in the cirrhotic and non–cirrhotic rat. Jenkins SA, et al.
Langenbecks Arch Chir 1985;365(2):135–46

Vascular vasopressin receptors mediate phosphatidylinositol turnover and calcium efflux in an established smooth muscle cell line. Aiyar N, et al. **Life Sci** 1986 Jul 7; 39(1):37–45

Role of ADH in ethylketocyclazocine–induced diuresis: studies in the Brattleboro rat. Slizgi GR, et al. **Life Sci** 1986 Jun 30;38(26):2437–40

Effects of dopamine and vasopressin on histamine–induced increases in macromolecular permeability in the canine forelimb. Adamski SW, et al.
Microcirc Endothelium Lymphatics 1985 Feb;2(1):27–39

Vasopressin and vasopressin–antagonists applied to neonatal Wistar rats: effects on body and brain development and water metabolism. Snijdewint FG, et al.
Neurobehav Toxicol Teratol 1986 May–Jun;8(3):213–7

Cardiovascular effects of centrally administered vasopressin in conscious and anesthetized rats. Zerbe RL, et al.
Neuropeptides 1985 Sep;6(5):471–83

Vasopressin and brain development: studies using the Brattleboro rat. Boer GJ. **Peptides** 1985;6 Suppl 1:49–62

Vasopressin and ethanol preference. I. Effects of vasopressin and the fragment DGAVP on altered ethanol preference in Brattleboro diabetes insipidus rats. Rigter H, et al.
Peptides 1985 Jul–Aug;6(4):669–76

Dorsal medullary oxytocin, vasopressin, oxytocin antagonist, and TRH effects on gastric acid secretion and heart rate. Rogers RC, et al. **Peptides** 1985 Nov–Dec;6(6):1143–8

Influence of chronic ADH treatment on adenylate cyclase and ATPase activity in distal nephron segments of diabetes insipidus Brattleboro rats. Trinh–Trang–Tan MM, et al.
Pflugers Arch 1985 Oct;405(3):216–22

Lack of effect of Pitressin on the learning ability of Brattleboro rats with diabetes insipidus using positively reinforced operant conditioning. Laycock JF, et al.
Physiol Behav 1985 Aug;35(2):243–8

The responsiveness of alpha 2–adrenergic receptors in hypothalamus of vasopressin–hypertensive rats. Szmigielski A, et al. **Pol J Pharmacol Pharm** 1985 Nov–Dec; 37(6):773–81

Specificity of aversive stimulus properties of vasopressin. Bluthé RM, et al. **Psychopharmacology (Berlin)** 1985; 87(2):238–41

Differences in learning and extinction in response to vasopressin in six inbred mouse strains. Hamburger R, et al. **Psychopharmacology (Berlin)** 1985;87(1):124–5

Effect of haemorrhage on plasma lysine vasopressin and the cardiovascular responses to vasopressin in the pig fetus. MacDonald AA, et al. **Q J Exp Physiol** 1986 Apr; 71(2):267–75

Effects of oxytocin and vasopressin in the central and in the autonomic nervous system. Interactions with other presumptive neurotransmitters. Dreifuss JJ, et al. **Regul Pept [Suppl]** 1985;4:165–71

Interaction between atrial natriuretic factor (ANF) and vasopressin (VP) in toad urinary bladder. Grosso A, et al. **Regul Pept [Suppl]** 1985;4:104–6

Effects of trifluoperazine and verapamil on the hydro-osmotic response to antidiuretic hormone in the urinary bladder of the toad. Kipnowski J, et al. **Res Exp Med (Berl)** 1985;185(5):367–74

Collateral blood flow in segmental intestinal ischemia: effects of vasoactive agents. Bulkley GB, et al. **Surgery** 1986 Aug; 100(2):157–66

Pharmacological characterization of vasopressin aggregation response of human platelets. DiTullio NW, et al. **Thromb Res** 1985 Nov 1;40(3):425–32

[Effects of colchicine on the actions of ADH, norepinephrine and forskolin on skin permeability of the frog] Svelto M, et al. **Boll Soc Ital Biol Sper** 1985 Jul 30;61(7):989–93 (Eng. Abstr.) **(Ita)**

[Chronic effect of norepinephrine, vasopressin and angiotensin II on urinary prostaglandin E and kallikrein excretion in conscious rats] Tanno M, et al. **Nippon Jinzo Gakkai Shi** 1985 Jun;27(6):825–31 (Eng. Abstr.) **(Jpn)**

[Evidence for a role of calmodulin in cellular cAMP production in response to vasopressin, prostaglandin E2 and forskolin in cultured rat renal papillary collecting tubule cells] Ishikawa S, et al. **Nippon Naibunpi Gakkai Zasshi** 1985 Aug 20;61(8):823–34 (Eng. Abstr.) **(Jpn)**

[Effect of vasopressin on the cardiovascular system and electric activity of the hypothalamus in rabbits of various ages] Pugach BV. **Fiziol Zh** 1985 Jul–Aug;31(4):429–33 (Eng. Abstr.) **(Rus)**

[Bioelectric activity of the hypothalamus of adult and old rabbits during prolonged vasopressin administration] Pugach BV. **Fiziol Zh SSSR** 1985 Jul;71(7):829–34 (Eng. Abstr.) **(Rus)**

[Effect of vasopressin and oxytocin on evoked activity of dorsal horn cells of an isolated segment of spinal cord in rat pups] Tamarova ZA. **Neirofiziologiia** 1985;17(5):634–40 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Vasopressin and oxytocin. Their presence in the central nervous system and their functional significance in brain processes related to behaviour and memory. van Wimersma Greidanus TB, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986; 276:85–94

Mechanisms of polyuria of hypercalcemia [letter] Carney S, et al. **Am J Nephrol** 1986;6(3):230–1

Central vasopressin system mediation of acute pressor effect of gamma-MSH. Gruber KA, et al. **Am J Physiol** 1986 Jul;251(1 Pt 1):E134–7

Activation of the central vasopressin system: a common pathway for several centrally acting pressor agents. Gruber KA, et al. **Am J Physiol** 1986 Sep;251(3 Pt 2):R476–80

Hypertonic cell volume regulation in mouse thick limbs. I. ADH dependency and nephron heterogeneity. Hebert SC. **Am J Physiol** 1986 Jun;250(6 Pt 1):C907–19

Spinal vasopressin mechanisms of cardiovascular regulation. Porter JP, et al. **Am J Physiol** 1986 Sep;251(3 Pt 2):R510–7

Angiotensin II, vasopressin, and sympathetic activity in conscious rats with endotoxemia. Schaller MD, et al. **Am J Physiol** 1985 Dec;249(6 Pt 2):H1086–92

Hemodynamic effects of neurohypophyseal peptides with antidiuretic activity in dogs. Schwartz J, et al. **Am J Physiol** 1985 Nov;249(5 Pt 2):H1001–8

Active and passive avoidance learning in homozygous D.I. Brattleboro rats. Ambrogi Lorenzini C, et al. **Arch Ital Biol** 1985 Jul;123(3):185–93

Behavioral characteristics of Roman high avoidance rats homozygous for diabetes insipidus (RHA: di/di). Herman JP, et al. **Behav Brain Res** 1986 Apr;20(1):27–38

Kindling of the hippocampus and septum in vasopressin-deficient rats (Brattleboro strain). Gillis BJ, et al. **Brain Res** 1986 Jan 22;363(2):386–9

Role of spinal cord neuropeptides in pain sensitivity and analgesia: thyrotropin releasing hormone and vasopressin. Watkins LR, et al. **Brain Res** 1986 Jan 8;362(2):308–17

Effect of vasopressin blockade on blood pressure in conscious rats with malignant two-kidney Goldblatt hypertension. Filep J, et al. **Clin Exp Hypertens [A]** 1985;7(7):1007–14

Evidence against a vasopressor role of ADH in malignant DOC–salt hypertension. Filep J, et al. **Clin Exp Hypertens [A]** 1985;7(10):1457–70

Role of vasopressin in the cardiovascular response to stimulation of the locus coeruleus. Berecek KH, et al. **Endocrinology** 1986 May;118(5):1829–34

Peripheral pressor systems in hypertension caused by nucleus tractus solitarius lesions. Sved AF. **Hypertension** 1986 Sep; 8(9):742–7

Central effects of vasopressin in man. Audibert A, et al. **Int J Neurol** 1980;14(2–4):162–74 (49 ref.)

Neurohypophyseal hormones and memory function. van Wimersma Greidanus TB, et al. **Int J Neurol** 1980; 14(2–4):152–61 (41 ref.)

Contribution of vasopressin to vasoconstriction in patients with congestive heart failure: comparison with the renin-angiotensin system and the sympathetic nervous system. Creager MA, et al. **J Am Coll Cardiol** 1986 Apr; 7(4):758–65

Pathophysiologic relevance of neurohumoral measurements in chronic heart failure [editorial] LeJemtel TH. **J Am Coll Cardiol** 1986 Apr;7(4):766–7

Evidence for normal antidiuretic responses to endogenous and exogenous arginine vasopressin in patients with guanine nucleotide–binding stimulatory protein–deficient pseudohypoparathyroidism. Moses AM, et al. **J Clin Endocrinol Metab** 1986 Jan;62(1):221–4

Vasoconstrictor role for vasopressin in experimental heart failure in the rabbit. Arnolda L, et al. **J Clin Invest** 1986 Sep;78(3):674–9

Involvement of vasopressin in the cardiovascular effects of intracerebroventricularly administered alpha 1-adrenoceptor agonists in the conscious rat. Hiwatari M, et al. **J Hypertens** 1985 Dec;3(6):613–20

Vasopressin in circulatory control and hypertension. Johnston CI. **J Hypertens** 1985 Dec;3(6):557–69 (199 ref.)

DDAVP (1-desamino-8-D-arginine vasopressin): an antagonist of the pressor action of endogenous vasopressin? Derkx FH, et al. **J Hypertension [Suppl]** 1983 Dec; 1(2):58–61

Effect of vasopressin on cold-induced brain edema in cats. Reeder RF, et al. **J Neurosurg** 1986 Jun;64(6):941–50

Functional involvement of vasopressin in the maintenance of systemic arterial blood pressures after phenoxybenzamine or phentolamine administration: studies in Long-Evans and Brattleboro rats. Winn MJ, et al. **J Pharmacol Exp Ther** 1985 Nov;235(2):500–5

Selective ADH-induced hypertrophy of the medullary thick ascending limb in Brattleboro rats. Bouby N, et al. **Kidney Int** 1985 Sep;28(3):456–66

Long-term hyperalgesia in rats induced by neonatal administration of vasopressin antiserum. Moratalla R, et al. **Life Sci** 1986 Jan 13;38(2):109–15

Pressor effect of centrally administered neuropeptide Y in rats: role of sympathetic nervous system and vasopressin. Vallejo M, et al. **Life Sci** 1986 May 19;38(20):1859–66

A mnemonic role for vasopressin: the evidence for and against. Strupp BJ, et al. **Neurosci Biobehav Rev** 1985 Fall; 9(3):399–411 (134 ref.)

Vasopressin neuron survival in neonatal Brattleboro rats; critical factors in graft development and innervation of the host brain. Boer GJ, et al. **Neuroscience** 1985 Aug; 15(4):1087–1109

Studies of the central cardiovascular effects of vasopressin. Zerbe RL. **Peptides** 1985;6 Suppl 2:65–8

Endogenous vasopressin and the weaning period in Brattleboro rats. Babický A, et al. **Physiol Behav** 1986; 36(4):631–5

Vasopressin and related peptides: animal and human studies. Van Ree JM, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1985; 9(5–6):551–9 (28 ref.)

Effect of potassium loading on prostaglandin E2 and F2 alpha excretion in the Brattleboro rat. Rathaus M, et al. **Prostaglandins Leukotrienes Med** 1985 Sep;19(3):235–40

Suprachiasmatic nucleus vasopressin messenger RNA: circadian variation in normal and Brattleboro rats. Uhl GR, et al. **Science** 1986 Apr 18;232(4748):390–3

Intra-operative activation of coagulation—a stimulus to thrombosis mediated by vasopressin? Grant PJ, et al. **Thromb Haemost** 1986 Feb 28;55(1):104–7

[Review on internal medicine, 1984. Electrolyte disturbance. I-1. Regulation of water and sodium metabolism: urine-concentrating mechanisms and action of vasopressin] Imai M. **Nippon Naika Gakkai Zasshi** 1985 Jun;74(6):675–9 (15 ref.) **(Jpn)**

[Memory—7. Serotonin, peptide hormones and memory] Fujiyoshi K, et al. **Nippon Rinsho** 1985 Jul;43(7):1346–9 (30 ref.) **(Jpn)**

[Secretory control of pituitary hormones—ACTH] Takebe K. **Nippon Rinsho** 1986 Mar;44(3):579–86 (27 ref.) **(Jpn)**

[Interaction between vasopressin and the renin–angiotensin system] Wiecek A. **Pol Arch Med Wewn** 1985 Mar; 73(3):194–9 (38 ref.) **(Pol)**

[Antidiuretic hormones in chronic circulatory insufficiency] Negresku EV, et al. **Ter Arkh** 1985;57(12):108–13 (152 ref.) **(Rus)**

SECRETION

Haemodynamic role of vasopressin released during Finnish sauna. Bussien JP, et al. **Acta Endocrinol (Copenh)** 1986 Jun;112(2):166–71

Changes of adrenal vasopressin during hemorrhagic shock in rats with hereditary diabetes insipidus (Brattleboro strain). Somova L, et al. **Acta Physiol Pharmacol Bulg** 1986; 12(1):70–5

Water homeostasis and vasopressin secretion during gestation. Lindheimer MD, et al. **Adv Nephrol** 1986;15:1–24 (56 ref.)

Effect of ovarian sex steroids on osmoregulation and vasopressin secretion in the rat. Barron WM, et al. **Am J Physiol** 1986 Apr;250(4 Pt 1):E352–61

Pituitary and adrenal hormone responses to naloxone in euhydrated and dehydrated dogs. Wade CE. **Am J Physiol** 1985 Dec;249(6 Pt 1):E634–8

Atrial natriuretic factor inhibits vasopressin secretion from rat posterior pituitary. Obana K, et al. **Biochem Biophys Res Commun** 1985 Nov 15;132(3):1088–94

Mercuric chloride inhibition of vasopressin release from the isolated neurointermediate lobe of the rat pituitary. Clifton GG, et al. **Biochim Biophys Acta** 1986 Jul 11;887(2):189–95

Noradrenergic stimulation of supraoptic neuronal activity and vasopressin release in vitro: mediation by an alpha 1-receptor. Armstrong WE, et al. **Brain Res** 1986 Feb 12; 365(1):192–7

Long-term effects of lesions of the tissue surrounding the preoptic recess on paraventricular nuclei in rats. Carithers J, et al. **Brain Res** 1986 Feb 26;366(1–2):118–30

Opposing alpha- and beta-adrenergic mechanisms mediate dose-dependent actions of noradrenaline on supraoptic vasopressin neurones in vivo. Day TA, et al. **Brain Res** 1985 Dec 9;358(1–2):171–9

Dexamethasone differentially alters naltrexone effects on vasopressin and oxytocin release during tail electroshock. Rosella-Dampman LM, et al. **Brain Res Bull** 1985 Dec; 15(6):587–93

Ultrastructure and electrical activity of the rat neurohypophysis. Zeballos GA, et al. **Braz J Med Biol Res** 1985;18(1):119–24

Role of the renin–angiotensin system in the control of vasopressin secretion in conscious dogs. Brooks VL, et al. **Circ Res** 1986 Jun;58(6):829–38

Role of brain prostaglandins in the control of vasopressin secretion in the conscious rat. Brooks DP, et al. **Endocrinology** 1986 Apr;118(4):1716–22

Ontogeny of opioid inhibition of vasopressin and oxytocin release in response to osmotic stimulation. Hartman RD, et al. **Endocrinology** 1986 Jul;119(1):1–11

Central atrial natriuretic factor reduces vasopressin secretion in the rat. Iitake K, et al. **Endocrinology** 1986 Jul; 119(1):438–40

Central effect of atrial natriuretic polypeptide on angiotensin II–stimulated vasopressin secretion in conscious rats. Yamada T, et al. **Eur J Pharmacol** 1986 Jun 24;125(3):453–6

Immunoreactivity of hypothalamo-neurohypophysial neurons which secrete corticotropin-releasing hormone (CRH) and vasopressin (Vp): immunocytochemical evidence for a correlation with their functional state in colchicine-treated rats. Alonso G, et al. **Exp Brain Res** 1986;61(3):497–505

Secretion of pressor amounts of vasopressin in experimentally hypertensive rats. Iriuchijima J. **Hiroshima J Med Sci** 1985 Sep;34(3):267–70

The adrenergic system and the release and pressor action of vasopressin. Gavras I, et al. **Hypertension** 1986 Jun;8(6 Pt 2):II163–7

Metoclopramide increases vasopressin secretion. Norbiato G, et al. **J Clin Endocrinol Metab** 1986 Sep;63(3):747–50

Vasopressin secretion as a possible target of the gamma-aminobutyric acid–mediated component of the corticosteroid feedback effect. Acs Z, et al. **J Endocrinol** 1985 Dec;107(3):303–7

Increased sensitivity of the osmotic control of vasopressin in sheep with deoxycorticosterone acetate–induced hypertension. Brooks DP, et al. **J Endocrinol** 1985 Dec; 107(3):309–15

Vasopressin, but not oxytocin, is released in response to water deprivation in conscious goats. Thornton SN, et al. **J Endocrinol** 1986 Aug;110(2):335–40

Decremental vasopressin release after repeated stimulation of superfused neurohypophyses of Fisher 344 rats of different ages. Zbuzek VK, et al. **J Gerontol** 1986 Mar; 41(2):140–6

Fastigial nucleus stimulation and concurrent activation of cardiovascular receptors; differentiate effects on arterial pressure, heart rate and vasopressin release. Del Bo A, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S49–51

Approach for quantifying the overall function of the ascending central neural integration to release vasopressin in rats. Nakai M, et al. **Jpn J Physiol** 1985;35(6):887–901

Hypodipsic hypernatremia with normal osmoregulation of vasopressin. Hammond DN, et al. **N Engl J Med** 1986 Aug 14;315(7):433–6

Central adrenergic control of vasopressin release. Brooks DP, et al. **Neuroendocrinology** 1986;42(5):416–20

Secretion of vasopressin, oxytocin, and two neurophysins from rat hypothalamo-neurohypophyseal explants in organ culture. Stern JE, et al. **Neuroendocrinology** 1986; 43(2):252–8

Diagonal band neurons may mediate arterial baroreceptor input to hypothalamic vasopressin-secreting neurons. Jhamandas JH, et al. **Neurosci Lett** 1986 Apr 11;65(2):214–8

Osmotic stimulation causes structural plasticity of neurone-glia relationships of the oxytocin but not vasopressin secreting neurones in the hypothalamic supraoptic nucleus. Chapman DB, et al. **Neuroscience** 1986 Mar;17(3):679–86

Structural plasticity in the hypothalamic supraoptic nucleus at lactation affects oxytocin-, but not vasopressin-secreting neurones. Theodosis DT, et al. **Neuroscience** 1986 Mar; 17(3):661–78

Catecholamine biosynthesis and vasopressin and oxytocin secretion in the spontaneously hypertensive rat: an in vitro study of localized brain regions. Morris M, et al. **Peptides** 1985 Sep–Oct;6(5):949–55

Is the renin–angiotensin–aldosterone system (RAAS) related to vasopressin (AVP) secretion in patients with essential hypertension. Wiecek A, et al. **Przegl Lek** 1985; 42(3):319–22

[Reduction of skin blood flow by cigarette smoke: role of vasopressin] Waeber B, et al. **Arch Mal Coeur** 1985 Oct;

78(11):1740-2 (Fre)
[Lithium and the kidney. Acute effects on ADH secretion and enzymuria] Palla R, et al. **Minerva Med** 1986 Feb 28; 77(7-8):205-8 (Eng. Abstr.) (Ita)
[Possible role of age-related accelerated antidiuretic hormone secretion in the pathogenesis of hyponatremia in the elderly] Orimo H, et al. **Nippon Naika Gakkai Zasshi** 1985 Oct;74(10):1376-8 (Jpn)
[Secretory regulation of pituitary hormones--ADH] Kimura T, et al. **Nippon Rinsho** 1986 Mar;44(3):608-15 (34 ref.) (Jpn)
[Release of neurohormones of the neurohypophysis in altered states of adrenergic and cholinergic transmission] Guzek JW. **Folia Med Cracov** 1984;25(3-4):217-23 (18 ref.) (Eng. Abstr.) (Pol)
[Hemodynamic and hormonal aspects of water immersion] Jupowiecki J. **Pol Tyg Lek** 1986 Jan 13;41(2):59-61 (34 ref.) (Pol)
[Osmotic and non-osmotic regulation of vasopressin secretion] Wiecek A. **Postepy Hig Med Dosw** 1985 Mar-Apr;39(2):195-208 (82 ref.) (Eng. Abstr.) (Pol)
[Changes in antidiuretic hormone secretion depending on the anesthetic technic] Rodriguez JM, et al. **Rev Esp Anestesiol Reanim** 1985 Sep-Oct;32(5):236-41 (Eng. Abstr.) (Spa)

THERAPEUTIC USE

Use of POR-8 in the management of burned children. De Mey A, et al. **Acta Anaesthesiol Belg** 1985 Sep;36(3):189-93
Angiographic treatment of gastrointestinal hemorrhage: comparison of vasopressin infusion and embolization. Gomes AS, et al. **AJR** 1986 May;146(5):1031-7
A specific antibody to vasopressin in a man with concomitant resistance to treatment with Pitressin. Bichet DG, et al. **Clin Chem** 1986 Jan;32(1 Pt 1):211-2
Enhancement of renal function with ornipressin in a patient with decompensated cirrhosis. Lenz K, et al. **Gut** 1985 Dec; 26(12):1385-6
Vasopressin analogs in portal hypertension: different molecules but similar questions. Blei AT. **Hepatology** 1986 Jan-Feb;6(1):146-7
Transient vasopressin-resistant diabetes insipidus of pregnancy. Ford SM Jr. **Obstet Gynecol** 1986 Aug; 68(2):288-9
[Postoperative intestinal atony and vasopressin. A randomized study of the effect of administration of vasopressin on the duration of postoperative intestinal atony] Håkansson T, et al. **Ugeskr Laeger** 1985 Sep 23; 147(39):3069-70 (Eng. Abstr.) (Dan)
[Drug therapy of bleeding esophageal varices] Junge U. **Dtsch Med Wochenschr** 1986 Apr 18;111(16):627-30 (Ger)
[Drug treatment of bleeding esophageal varices. Acute therapy and prevention of recurrence] Maier KP. **Dtsch Med Wochenschr** 1986 Feb 21;111(8):306-13 (45 ref.) (Ger)
[Pharmacological therapy of portal hypertension] Miotti T, et al. **Schweiz Med Wochenschr** 1985 Oct 19; 115(42):1468-75 (65 ref.) (Eng. Abstr.) (Ger)
[Use of vasopressin in the treatment of acute hemorrhagic lesions of the stomach. Our experience] Ferraris R, et al. **Minerva Med** 1985 Nov 3;76(42):1975-82 (Eng. Abstr.) (Ita)
[Neuropeptides in the treatment of alcoholism and alcoholic psychoses] Slushevskii FI, et al. **Zh Nevropatol Psikhiatr** 1986;86(2):244-7 (Eng. Abstr.) (Rus)

URINE

Urinary vasopressin in male infertility. Puri S, et al. **Arch Androl** 1985;14(2-3):263-5
Urinary excretion of renal prostaglandins, kallikrein, vasopressin and aldosterone in essential hypertension. Favre L, et al. **Clin Exp Hypertens [A]** 1985-86; 7(12):1663-79
Urinary prostaglandin E and antidiuretic hormone during water immersion in man. O'Hare JP, et al. **Clin Sci** 1985 Oct;69(4):493-6

VASOPRESSOR AGENTS see VASOCONSTRICTOR AGENTS

VASOTOCIN

ADMINISTRATION & DOSAGE

Intranasal vasotocin decreases cerebrospinal fluid 5-HIAA levels in man. Pavel S. **Brain Res Bull** 1986 Mar;16(3):391-3

ANALOGS & DERIVATIVES

Pharmacokinetics in the human of a new synthetic vasopressin and oxytocin uterine antagonist. Lundin S, et al. **Acta Endocrinol (Copenh)** 1986 Aug;112(4):465-72
The effect on the human uterus of two newly developed competitive inhibitors of oxytocin and vasopressin. Akerlund M, et al. **Acta Obstet Gynecol Scand** 1985; 64(6):499-504
Vasotocin analogues which competitively inhibit vasopressin stimulated uterine activity in healthy women. Akerlund M, et al. **Br J Obstet Gynaecol** 1986 Jan;93(1):22-7
[A bioassay for the testing of the oxytocic effect of hormone analogs of the neurohypophysis and the pineal body] Cornely M, et al. **Z Geburtshilfe Perinatol** 1985 May-Jun; 189(3):103-11 (Eng. Abstr.) (Ger)

ANALYSIS

Disk method for measuring effects of neurohypophysial hormones on urea permeability of toad bladder. Eggena P. **Am J Physiol** 1986 Jan;250(1 Pt 1):E31-4
Ultrastructural characterization of neurosecretory fibres immunoreactive for vasotocin, isotocin, somatostatin, LHRH and CRF in the pituitary of a teleost fish, Poecilia latipinna. Batten TF. **Cell Tissue Res** 1986;244(3):661-72
Vasotocin-immunoreactive elements and neuronal typology in the suprachiasmatic nucleus of the chicken and Japanese quail. Panzica GC. **Cell Tissue Res** 1985;242(2):371-6
Immunocytochemical study of the development of vasotocin/mesotocin in the hypothalamo-hypophysial system of the chick embryo. Tennyson VM, et al. **Cell Tissue Res** 1986;243(1):15-31
Correlation between immunoreactive vasotocin in optic tectum and seasonal changes in reproductive behaviors of male rough-skinned newts. Zoeller RT, et al. **Horm Behav** 1986 Jun;20(2):148-54
[Phylogeny of neurohypophyseal hormones in birds: microidentification of mesotocin and vasotocin in the ostrich (Struthio camelus)] Rouillé Y, et al. **C R Soc Biol (Paris)** 1986;180(1):35-42 (Eng. Abstr.) (Fre)

BLOOD

Osmotic and volemic regulation of plasma arginine vasotocin in conscious domestic fowl. Stallone JN, et al. **Am J Physiol** 1986 Apr;250(4 Pt 2):R644-57
Regulation of plasma arginine vasotocin in conscious water-deprived domestic fowl. Stallone JN, et al. **Am J Physiol** 1986 Apr;250(4 Pt 2):R658-64
Body temperature and plasma arginine vasotocin in fowls adapted to high- and low-NaCl diets. Arad Z, et al. **Br Poult Sci** 1986 Mar;27(1):115-21
Changes in steady state plasma arginine vasotocin levels affect ovine fetal renal and cardiovascular function. Ervin MG, et al. **Endocrinology** 1986 Feb;118(2):759-65
Osmotic stimuli and NaCl-intake in the fowl; release of arginine vasotocin and prolactin. Arad Z, et al. **J Comp Physiol [B]** 1986;156(3):399-406
Plasma levels of arginine vasotocin, prolactin, aldosterone and corticosterone during prolonged dehydration in the domestic fowl: effect of dietary NaCl. Arnason SS, et al. **J Comp Physiol [B]** 1986;156(3):383-97
Diurnal variations in plasma arginine vasotocin (AVT) concentrations in the ovine fetus. Leake RD, et al. **Life Sci** 1986 Apr 21;38(16):1485-90
The plasma of pregnant women contains a novel oxytocin-vasotocin-like peptide. Amico JA, et al. **Metabolism** 1986 Jul;35(7):596-601

CEREBROSPINAL FLUID

Vasotocin-like activity of cerebrospinal fluid induced by habenular lesions in cats. Goldstein R. **Neuropeptides** 1985 Jul;6(4):303-10

ISOLATION & PURIFICATION

Precursors of mesotocin and vasotocin in birds: identification of VLDV- and MSEL- neurophysins in chicken, goose, and ostrich. Chauvet MT, et al. **Biosci Rep** 1986 Apr; 6(4):381-5

METABOLISM

Peripheral angiotensin II stimulates release of vasotocin in conscious chickens. Goto K, et al. **Am J Physiol** 1986 Aug; 251(2 Pt 2):R333-40
The distribution of hypothalamic and extrahypothalamic vasotocinergic cells and fibers in the brain of a lizard, Gekko gecko: presence of a sex difference. Stoll CJ, et al. **J Comp Neurol** 1985 Sep 8;239(2):193-204
Pineal arginine vasotocin activity increases 200-fold during August in adult rats and hamsters. Prechel MM, et al. **J Pineal Res** 1984;1(2):175-80
Arginine vasotocin immunoreactivity in hypothalamic and extrahypothalamic areas of an amphibian brain. Zoeller RT, et al. **Neuroendocrinology** 1986;42(2):120-3
Vasotocin fibers in the mesencephalon and pons of the domestic fowl. An immunohistochemical study. Panzica GC, et al. **Neurosci Lett** 1986 Jul 24;68(2):155-9

PHARMACODYNAMICS

The action of centrally administered arginine vasopressin on blood pressure in the conscious rabbit. Martin SM, et al. **Brain Res** 1985 Nov 25;348(1):137-45
Calcium-independent stimulation of glycogenolysis by arginine vasotocin and catecholamines in liver of the axolotl (Ambystoma mexicanum) in vitro. Janssens PA, et al. **J Endocrinol** 1986 Apr;109(1):75-84
Effects of pineal indoles and arginine vasotocin on lipolysis and lipogenesis in isolated adipocytes. Ng TB, et al. **J Pineal Res** 1986;3(1):55-66
Vasopressin and vasotocin facilitate reversal of a brightness discrimination. Beckwith BE, et al. **Peptides** 1985 May-Jun; 6(3):383-6
Atrial natriuretic factor inhibits vasotocin-induced water reabsorption in the toad urinary bladder. Samson WK, et al. **Proc Soc Exp Biol Med** 1986 Jan;181(1):169-72

PHYSIOLOGY

Downregulation of vasopressin receptors in toad bladder. Eggena P, et al. **Am J Physiol** 1986 Mar;250(3 Pt 1):C453-9
Contributions of glomerular and tubular mechanisms to antidiuresis in conscious domestic fowl. Stallone JN, et al. **Am J Physiol** 1986 Jun;250(6 Pt 3):F842-50
Projections of luteinizing hormone-releasing hormone and vasotocin fibers to the anterior part of the preoptic nucleus in the toad, Bufo japonicus. Jokura Y, et al. **Gen Comp Endocrinol** 1985 Dec;60(3):390-7

SECRETION

Vasotocin release from the pineal gland of newborn mammals: the involvement of GABA mechanisms. Goldstein R. **Endocrinologie** 1986 Jan-Mar;24(1):17-20
Effect of acute and chronic cardiac denervation on osmotic release of vasotocin in chickens. Koike TI, et al. **Proc Soc Exp Biol Med** 1986 Feb;181(2):277-83

VASOTOCIN, LEUCYL see OXYTOCIN

VATER'S AMPULLA

A prospective evaluation of the upper gastrointestinal tract and periampullary region in patients with Gardner syndrome. Shemesh E, et al. **Am J Gastroenterol** 1985 Nov; 80(11):825-7
Manometric diagnosis of sphincter of Oddi spasm as a cause of postcholecystectomy pain and the treatment by endoscopic sphincterotomy. Tanaka M, et al. **Ann Surg** 1985 Dec;202(6):712-9
Carcinoma of the ampulla of Vater. Knox RA, et al. **Br J Surg** 1986 Jan;73(1):72-3
Diagnosis and treatment of diseases of the papilla. Venu RP, et al. **Clin Gastroenterol** 1986 Apr;15(2):439-56
Relationship between perivaterian diverticulum and biliary tract disease. Matsumoto J, et al. **Gastroenterol Jpn** 1985 Dec;20(6):577-81
The International Workshop on Sphincter of Oddi Manometry. Gandolfi L, et al. **Gastrointest Endosc** 1986 Feb;32(1):46-8
Ultrasound in the diagnosis of sphincter of Oddi spasm. Berezny GM, et al. **J Clin Gastroenterol** 1985 Dec; 7(6):528-32
Pathogenesis and treatment of inflammatory lesions of the papilla of Vater. Moody FG. **Jpn J Surg** 1985 Sep; 15(5):341-7
Benign duodenal villous adenoma obstructing the ampulla of Vater: a surgical dilemma. Lewis JH, et al. **South Med J** 1985 Dec;78(12):1507-11
Pancreaticogastrostomy in pancreaticoduodenal resection for ampullary carcinoma: experience in thirty-one cases. Kapur BM. **Surgery** 1986 Sep;100(3):489-93
Pancreatitis or duodenal perforation after peri-Vaterian therapeutic endoscopic procedures: diagnosis, differentiation, and management. Sarr MG, et al. **Surgery** 1986 Sep;100(3):461-6
Duodenal and ampullary carcinoid tumors. A report of 12 cases with pathological characteristics, polypeptide content and relation to the MEN I syndrome and von Recklinghausen's disease (neurofibromatosis). Stamm B, et al. **Virchows Arch [A]** 1986;408(5):475-89
Choledochal cyst type I: successful endoscopic balloon dilatation of the distal common bile duct and sphincter of Oddi: a case report. Ullrich D, et al. **Z Gastroenterol** 1986 Apr;24(4):195-9
[Differential diagnosis of periampullary carcinoma by ultrasonography] Wang B. **Chung Hua I Hsueh Tsa Chih** 1985 Nov;65(11):677-9 (Eng. Abstr.) (Chi)
[Exudative enteropathy and oddian tumor] Khalifa P, et al. **Rev Med Interne** 1985 Dec;6(5):569-70 (Fre)
[Differential surgical indications in benign tumors of Vater's ampulla] Brieler HS. **Chirurg** 1985 Jul;56(7):466-8 (Ger)
[Endoscopic gallstone extraction through the intact bile duct sphincter after drug-induced dilatation of Vater's ampulla] Staritz M, et al. **Schweiz Rundsch Med Prax** 1986 Mar 4; 75(10):257-9 (Eng. Abstr.) (Ger)
[Pancreatic and papillar cancer. Epidemiologic aspects of a large city (10-year report 1975 to 1984)] Sinkwitz KD, et al. **Z Arztl Fortbild (Jena)** 1986;80(6):251-3 (Ger)
[Duodenal stenosis in coincidence with annular pancreas and cancer of the papilla] Weismüller J, et al. **Z Gastroenterol** 1985 Jul;23(7):375-80 (Eng. Abstr.) (Ger)
[Cavernous lymphangioma of Vater's papilla as a cause of occlusive icterus. Case report] Friedrich HJ, et al. **Zentralbl Chir** 1985;110(20):1263-5 (Ger)
[Benign epithelial neoplasms of Vater's ampulla. Usefulness of the "epithelial dysplasia" concept in prognosis and surgical strategy] Serio G, et al. **Chir Ital** 1984 Oct; 36(5):714-33 (Eng. Abstr.) (Ita)
[X-ray computed tomography (CT) findings in carcinoma of Vater's papilla: diagnostic-clinical study] Breda M, et al. **Chir Patol Sper** 1983 Aug;31(4):157-62 (Eng. Abstr.) (Ita)
[Elective and emergency endoscopic therapy in bilio-pancreatic pathology] De Luca B, et al.

Minerva Chir 1986 May 15;41(9):761–3 (Eng. Abstr.) (Ita)

[Classification and staging of Oddi's sphincter tumors] Maruotti RA, et al. Minerva Chir 1986 Mar 31; 41(5–6):395–8 (Ita)

[Cerulein test in the peroperative study of the common bile duct] Saba V, et al. Minerva Chir 1985 Nov 15; 40(21):1463–8 (Eng. Abstr.) (Ita)

[Pregnancy and malignant tumors. Considerations on 5 cases] Giannoni S, et al. Minerva Ginecol 1985 Dec;37(12):771–3 (Eng. Abstr.) (Ita)

[Preoperative instrumental diagnosis of papillitis] Raule M, et al. Minerva Med 1986 Mar 31;77(13):527–34 (Ita)

[Carcinoid of the papilla of Vater–somatostatinoma—a case report] Kunieda Y, et al. Gan No Rinsho 1986 Jun; 32(7):831–6 (Eng. Abstr.) (Jpn)

[Tumor of Vater's ampulla] Vetvik K, et al. Tidsskr Nor Laegeforen 1985 Nov 20;105(32):2296–9 (Eng. Abstr.) (Nor)

[Spontaneous internal choledochoduodenal fistulas as a complication of cholelithiasis] Rozanov IB, et al. Khirurgiia (Mosk) 1986 Jun;(6):109–11 (Rus)

[Surgical treatment of cancer of the head of the pancreas, Vater's ampulla and duodenum] Rusakov VI, et al. Khirurgiia (Mosk) 1986 Jul;(7):86–90 (Eng. Abstr.) (Rus)

[Biliary dyskinesia in children] Druzhinina EI. Pediatriia 1985 Oct;(10):65–9 (Rus)

[Acute opisthorchiasic cholecystocholangitis] Tret'iakov AM, et al. Vestn Khir 1985 Jul;135(7):30–5 (Eng. Abstr.) (Rus)

[Intra-ampulla ampullomas in endoscopic retrograde cholangiopancreatography (letter)] Moreira VF, et al. Rev Clin Esp 1986 Jan;178(1):37–8 (Spa)

[Obstructive icterus caused by a submucosal angioma of Vater's ampulla] de Caralt E, et al. Rev Esp Enferm Apar Dig 1986 Aug;70(2):172–4 (Eng. Abstr.) (Spa)

[Vater's ampulla tumors: 9 cases] Zaragoza Esparza JL, et al. Rev Esp Enferm Apar Dig 1986 May;69(5):433–9 (Eng. Abstr.) (Spa)

[Transoperative radiomanometry of the bile ducts] Orea Martínez JG. Rev Gastroenterol Mex 1986 Jan–Mar; 51(1):13–20 (Eng. Abstr.) (Spa)

ABNORMALITIES

The double papilla of Vater [letter] Siegel JH. Gastrointest Endosc 1986 Apr;32(2):119–20

The double papilla of Vater [letter] Simon MA, et al. Gastrointest Endosc 1985 Oct;31(5):353–4

ANATOMY & HISTOLOGY

A historical perspective on the discovery of the accessory duct of the pancreas, the ampulla 'of Vater' and pancreas divisum. Stern CD. Gut 1986 Feb;27(2):203–12

[Anatomo–stereologic characteristics of the mucous membrane of the major duodenal papilla] Edemskii AI, et al. Arkh Anat Gistol Embriol 1986 Mar;90(3):61–6 (Eng. Abstr.) (Rus)

DRUG EFFECTS

Effect of analgesic drugs on the electromyographic activity of the gastrointestinal tract and sphincter of Oddi and on biliary pressure. Coelho JC, et al. Ann Surg 1986 Jul; 204(1):53–8

Glucagon–(1–21)–peptide. Study of its action on sphincter of Oddi function by endoscopic manometry. Rey JF, et al. Dig Dis Sci 1986 Apr;31(4):355–60

Effect of modern analgesic drugs (tramadol, pentazocine, and buprenorphine) on the bile duct sphincter in man. Staritz M, et al. Gut 1986 May;27(5):567–9

Influence of autonomic drugs on the motility of the sphincter of Oddi in the opossum. Coelho JC, et al. Surg Gynecol Obstet 1986 Sep;163(3):209–14

[Differentiation of the effects of antispasmodic agents on the electromyogram of the sphincter of Oddi and the duodenum of the alert rabbit] Achard F, et al. C R Soc Biol (Paris) 1985;179(4):462–70 (Eng. Abstr.) (Fre)

[Effect of somatostatin on the rabbit Oddi's sphincter in vivo. Interrelation of somatostatin and cholecystokinin] Adami GF, et al. Gastroenterol Clin Biol 1986 Feb;10(2):108–11 (Eng. Abstr.) (Fre)

[Effect of nifedipine on the function of Oddi's sphincter: preliminary results (letter)] Deschamps JP, et al. Gastroenterol Clin Biol 1986 Mar;10(3):279–80 (Fre)

[Changes in oddian motor activity induced by nitroglycerin (letter)] Cuer JC, et al. Presse Med 1986 Apr 5;15(14):663–4 (Fre)

[Endoscopic gallstone extraction through the intact bile duct sphincter after drug-induced dilatation of Vater's ampulla] Staritz M, et al. Schweiz Rundsch Med Prax 1986 Mar 4; 75(10):257–9 (Eng. Abstr.) (Ger)

[Effect of imecromone and hyoscine N-butylbromide in endoscopic cholangiopancreatography] Garbarini A, et al. Minerva Chir 1986 Jan 31;41(1–2):45–50 (Eng. Abstr.) (Ita)

[Instrumental and clinical evaluation of syntropium bromide (VAL 480), a new synthetic spasmolytic] Norberto L, et al. Minerva Dietol Gastroenterol 1986 Apr–Jun;32(2):203–7 (Eng. Abstr.) (Ita)

INNERVATION

Role of the autonomic nervous system in the rabbit sphincter of Oddi. Sarles JC, et al. Surg Gastroenterol 1984;3(2):41–6

METABOLISM

Regulation of fasting canine duodenal bile acid delivery by sphincter of Oddi and gallbladder. Scott RB, et al. Am J Physiol 1985 Nov;249(5 Pt 1):G622–33

PATHOLOGY

Extrahepatic biliary tract carcinoma occurring simultaneously in a married couple. Kennedy SM, et al. Ir J Med Sci 1986 Jun;155(6):204–5

Intestinal polyposis and periampullary carcinoma—changing concepts. Guyton DP, et al. J Surg Oncol 1985 Jul; 29(3):158–9

Villous adenoma of the ampulla of Vater. Malik AK, et al. Postgrad Med J 1985 Dec;61(722):1077–8

[Echographic aspects of 2 cases of Vater's ampulloma (letter)] Blangy S, et al. Gastroenterol Clin Biol 1986 Mar; 10(3):277–8 (Fre)

[Pathology of the ampullary and peri-ampullary region] Gertsch P. Rev Med Suisse Romande 1986 Mar; 106(3):259–67 (Fre)

[Perioperative staging and the Münster TNM classification in ampullary and pancreatic cancer] Clemens M, et al. Langenbecks Arch Chir 1985;365(3):169–78 (Eng. Abstr.) (Ger)

[Sonographic detection and clinical studies in the spontaneous passage of bile duct calculi] Schneider H, et al. Ultraschall Med 1986 Jun;7(3):114–6 (Eng. Abstr.) (Ger)

[Development of carcinoma of Vater's ampulla in an adenoma. Analysis of a personal case load and review of the literature] Sellner F, et al. Wien Klin Wochenschr 1986 Mar 21;98(6):182–7 (Eng. Abstr.) (Ger)

[Pathophysiology of duodenal papillitis in cholelithiasis] Matsushiro T, et al. Nippon Geka Gakkai Zasshi 1985 Sep; 86(9):1128–30 (Eng. Abstr.) (Jpn)

[Experimental study on chronic sclerosing papillitis] Shibata T. Nippon Shokakibyo Gakkai Zasshi 1986 May; 83(5):1015–24 (Eng. Abstr.) (Jpn)

PHYSIOLOGY

An in vivo model for the simultaneous study of motility of the gallbladder, sphincter of Oddi and duodenal wall in the cat. Dahlstrand C, et al. Acta Physiol Scand 1985 Mar; 123(3):355–62

Sphincter of Oddi motility: developments in physiology and clinical application. Lebovics E, et al. Am J Gastroenterol 1986 Sep;81(9):736–43 (62 ref.)

Control mechanism of spontaneous in vitro contractions of the opossum sphincter of Oddi. Helm JF, et al. Am J Physiol 1985 Nov;249(5 Pt 1):G572–9

Effect of feeding on myoelectric activity of the sphincter of Oddi and the gastrointestinal tract in the opossum. Coelho JC, et al. Dig Dis Sci 1986 Feb;31(2):202–7

Hormonal control of sphincter of Oddi. Sarles JC. Dig Dis Sci 1986 Feb;31(2):208–12 (56 ref.)

Frequencies and cyclical pattern of the human sphincter of Oddi phasic activity. Torsoli A, et al. Gut 1986 Apr; 27(4):363–9

Endoscopic electromyography and manometry of the human sphincter of Oddi. Bortolotti M, et al. Hepatogastroenterology 1985 Oct;32(5):250–2

Gastrointestinal hormones and motility of the human sphincter of Oddi. Ono K, et al. Nippon Heikatsukin Gakkai Zasshi 1985 Jul;21 Suppl:69–75

[Clinical and basic studies of the measurement of Oddi's sphincter contraction] Tosa N, et al. Nippon Heikatsukin Gakkai Zasshi 1985 Aug;21(4):349–51 (Jpn)

[Measurement of pancreatic main ductal pressure and myoelectrical study of papillary sphincter in monkeys] Okazaki K, et al. Nippon Shokakibyo Gakkai Zasshi 1986 Jan;83(1):125 (Jpn)

[Circadian rhythms of the pancreatic ductal pressure and E.M.G. of the papillary sphincter in Japanese monkey] Sakamoto Y. Nippon Shokakibyo Gakkai Zasshi 1986 Mar; 83(3):702 (Jpn)

PHYSIOPATHOLOGY

Biliary dyskinesia with associated high amplitude esophageal peristaltic contractions. Johnson DA, et al. Am J Gastroenterol 1986 Apr;81(4):254–6

Peroperative sphincter of Oddi manometry: motility disorder in patients with cholelithiasis. Toouli J, et al. Aust NZ J Surg 1986 Aug;56(8):625–9

Sphincter of Oddi motility disorders in patients with idiopathic recurrent pancreatitis. Toouli J, et al. Br J Surg 1985 Nov;72(11):859–63

Investigation of the sphincter of Oddi before, immediately after and six weeks after endoscopic papillotomy. Staritz M, et al. Endoscopy 1986 Jan;18(1):14–6

Endoscopic measurement of papillary sphincter zone and pancreatic main ductal pressure in patients with chronic pancreatitis. Okazaki K, et al. Gastroenterology 1986 Aug; 91(2):409–18

Endoscopic manometry of the sphincter of Oddi and pancreatic duct in chronic pancreatitis. Rolny P, et al. Scand J Gastroenterol 1986 May;21(4):415–20

[Endoscopic manometry of Oddi's sphincter] Hagenmüller F. Leber Magen Darm 1986 Mar;16(2):77–8, 81 (Ger)

[Endoscopic manometry of Oddi's sphincter] Juhász L, et al. Orv Hetil 1986 Jul 20;127(29):1753–6 (Eng. Abstr.) (Hun)

[Study on the function of the sphincter of Oddi in patients with gallstone disease by dynamic hepatobiliary scintigraphy] Aoki Y, et al. Nippon Geka Gakkai Zasshi 1985 Sep;86(9):1131–4 (Eng. Abstr.) (Jpn)

[Cholescintigraphic study on the function of the sphincter of Oddi in patients with gallstone diseases] Aoki Y, et al. Radioisotopes 1985 Aug;34(8):429–31 (Jpn)

[Status of the biliary tract and bile secretion in diseases of the stomach and duodenum] Abasov IT, et al. Klin Med (Mosk) 1986 Mar;64(3):79–84 (Eng. Abstr.) (Rus)

RADIOGRAPHY

Benign villous adenomas of the ampulla of Vater. Rosenberg J, et al. Cancer 1986 Oct 1;58(7):1563–8

[Experience with peroperative contact choledochopapillography] Novotný F, et al. Rozhl Chir 1985 Sep;64(8–9):629–33 (Eng. Abstr.) (Cze)

[Pancreatic and papilla carcinoma. Differential diagnosis] Lux G, et al. Fortschr Med 1985 Sep 5;103(33):779–84 (Eng. Abstr.) (Ger)

RADIONUCLIDE IMAGING

Cholescintigraphic detection of functional obstruction of the sphincter of Oddi. Effect of papillotomy. Shaffer EA, et al. Gastroenterology 1986 Mar;90(3):728–33

SURGERY

Endoscopic sphincterotomy in the treatment of choledocholithiasis and ampullar stenosis. Experience with 202 patients. Kullman E, et al. Acta Chir Scand 1985; 151(7):619–24

Endoscopic papillotomy in the management of choledocholithiasis. Sonnenfeld T, et al. Acta Chir Scand [Suppl] 1986;530:39–41

An evaluation of performance after informal training in endoscopic retrograde sphincterotomy. Frakes JT. Am J Gastroenterol 1986 Jul;81(7):512–5

Common bile duct obstruction caused by hydatid daughter cysts—management by endoscopic retrograde sphincterotomy. Shemesh E, et al. Am J Gastroenterol 1986 Apr;81(4):280–2

Gallstone pancreatitis: pathogenesis and clinical forms—the emerging role of endoscopic management. Siegel JH, et al. Am J Gastroenterol 1986 Sep;81(9):774–8

A prospective study of ERCP and endoscopic sphincterotomy in the diagnosis and treatment of gallstone acute pancreatitis. A rational and safe approach to management. Neoptolemos JP, et al. Arch Surg 1986 Jun; 121(6):697–702

Endoscopic sphincterotomy for retained common bile duct stones in patients with T-tube in situ in the early postoperative period. O'Doherty DP, et al. Br J Surg 1986 Jun;73(6):454–6

Endoscopic retrograde cholangiopancreatography and endoscopic papillotomy in recurrent pyogenic cholangitis. Choi TK, et al. Clin Gastroenterol 1986 Apr;15(2):393–415

Endoscopic papillotomy—new indications, short- and long-term results. Classen M. Clin Gastroenterol 1986 Apr; 15(2):457–69

Endoscopic papilosphincterotomy. Vavrečka A. Czech Med 1986;9(2):78–89

Choledocholithiasis complicating a case of congenital choledochal dilatation with drainage via Santorini's duct. Treatment by endoscopic sphincterotomy. Fink AS, et al. Endoscopy 1986 May;18(3):111–3

Endoscopic sphincterotomy in patients with difficult cannulation: use of an antegrade guide. Tanaka M, et al. Endoscopy 1986 May;18(3):87–9

Ascaris in the common bile duct after endoscopic sphincterotomy [letter] Danilewitz MD. Gastrointest Endosc 1986 Aug;32(4):307

The transhepatic approach to a failed endoscopic sphincterotomy. Passi RB, et al. Gastrointest Endosc 1986 Jun;32(3):221–5

Antegrade transcholecystic sphincterotomy: canine study of a new interventional technique. Burhenne HJ, et al. Gastrointest Radiol 1986;11(1):73–6

Percutaneous transhepatic sphincterotomy in the management of biliary tract disease. Cobourn C, et al. Gastrointest Radiol 1986;11(3):273–6

Endoscopic papillotomy. Goldberg M, et al. IMJ 1986 May; 169(5):279–81

Routine transduodenal sphincteroplasty for common bile duct exploration. Ramsay G, et al. J R Coll Surg Edinb 1985 Dec;30(6):348–52

Biliary dyskinesia: diagnosis by common bile duct manometry and treatment by endoscopic sphincterotomy. Orchard JL, et al. J SC Med Assoc 1985 Sep;81(9):503–5

Endoscopic papillotomy with Nd:YAG laser: an alternative to electrocautery. Sander R, et al. Lasers Surg Med 1986; 6(3):364–8

Results of sphincteroplasty in patients with spastic sphincter of Oddi. Predictive value of operative biliary manometry and provocation tests. Hästbacka J, et al. Scand J Gastroenterol 1986 Jun;21(5):516–20

Diurnal rhythm of bile lipid composition after cholecystectomy and papillotomy. Postpapillotomy biliary lithogenicity. Kurtz W, et al. **Scand J Gastroenterol** 1985 Oct;20(8):1001–6

Beta–glucuronidase–producing bacteria in bile from the common bile duct in patients treated with endoscopic papillotomy for gallstone disease. Skar V, et al. **Scand J Gastroenterol** 1986 Mar;21(2):253–6

Preliminary experience with transduodenal sphincteroplasty for biliary drainage. Lim PH, et al. **Singapore Med J** 1985 Oct;26(6):465–70

Advanced periampullary carcinoma: endoscopic palliation by sphincterotomy. Börsch G, et al. **South Med J** 1985 Oct; 78(10):1251–3

Extended sphincteroplasty for juxtapapillary duodenal diverticulum. Kaminsky HH, et al. **Surg Gynecol Obstet** 1986 Mar;162(3):280–1

A new technique using a modified biliary catheter as an aid in performing sphincteroplasty. Marongiu G, et al. **Surg Gynecol Obstet** 1986 Feb;162(2):184–5

[Findings in the upper gastrointestinal tract in patients after sphincterotomy] Blaschke U, et al. **Cesk Radiol** 1985 Dec; 39(6):367–73 (Eng. Abstr.) (Cze)

[Experience with surgery of Vater's papilla] Dvořák J, et al. **Rozhl Chir** 1986 May;65(5):346–51 (Eng. Abstr.) (Cze)

[Surgical or endoscopic papillosphincterotomy?] Procházka M, et al. **Rozhl Chir** 1985 Dec;64(12):791–5 (Eng. Abstr.) (Cze)

[Endoscopic papillotomy in patients with gallstone disease: a survey] Stuifbergen WN, et al. **Ned Tijdschr Geneeskd** 1986 Feb 1;130(5):217–20 (Eng. Abstr.) (Dut)

[Indications and methods in complementary biliary drainage in cases of lithiasis disease] Meyer P, et al. **Helv Chir Acta** 1986 Apr;52(6):801–3 (Fre)

[ERCP and papillotomy: its importance for the general practitioner] Birchler R. **Schweiz Rundsch Med Prax** 1986 Jun 3;75(23):689–95 (Eng. Abstr.) (Fre)

[Initial experiences using endoscopic papillotomy and bile duct drainage in patients with Billroth II gastrectomy] Liebe S, et al. **Dtsch Z Verdau Stoffwechselkr** 1986; 46(2):89–95 (Eng. Abstr.) (Ger)

[Transpapillary bile duct endoprostheses in obstructive jaundice] Liebe S, et al. **Dtsch Z Verdau Stoffwechselkr** 1985;45(4):167–72 (Eng. Abstr.) (Ger)

[Reconstructive operation following duodenopancreatectomy] Fritsch A. **Langenbecks Arch Chir** 1985;366:249–55 (Eng. Abstr.) (Ger)

[Pragmatic status determination of transduodenal sphincterotomy] Kux M, et al. **Langenbecks Arch Chir** 1985; 367(1):11–20 (Eng. Abstr.) (Ger)

[Uses of endoscopic high frequency diathermy: polypectomy—sphincterotomy (papillotomy)] Kühner W. **Leber Magen Darm** 1985 Nov;15(6):227–31 (Eng. Abstr.) (Ger)

[Significance of anomalies and variants of the extrahepatic bile ducts and the pancreatic ducts for therapeutic interventions on the papilla] Kröger W, et al. **Radiol Diagn (Berl)** 1985;26(4):497–500 (Eng. Abstr.) (Ger)

[The wire–guided papillotome: its use in unfavorable anatomical conditions of Vater's ampulla] Fehr HF. **Schweiz Rundsch Med Prax** 1986 Mar 4;75(10):255–6 (Eng. Abstr.) (Ger)

[Balloon tamponade in acute hemorrhage following endoscopic papillotomy] Staritz M, et al. **Schweiz Rundsch Med Prax** 1986 Mar 4;75(10):252–4 (Eng. Abstr.) (Ger)

[Problems of ERCP and endoscopic papillotomy—clinical experience and practical suggestions] Staritz M, et al. **Schweiz Rundsch Med Prax** 1986 Mar 4;75(10):243–8 (Eng. Abstr.) (Ger)

[Anatomic anomalies in pancreatic surgery. From the viewpoint of a personal patient sample] Kozianka J, et al. **Zentralbl Chir** 1986;111(4):233–8 (Ger)

[Complications following duodenohemipancreatectomy. Results of 112 patients 1974–1983] Meyer J, et al. **Zentralbl Chir** 1985;110(20):1242–9 (Eng. Abstr.) (Ger)

[Calculus–forming capacity of hepatic bile, characterized by lithogenic indices, after transduodenal sphincter operations] Gál I, et al. **Orv Hetil** 1986 Mar 2;127(9):505–10 (Eng. Abstr.) (Hun)

[Biliary perforations caused by acute pancreatitis: considerations apropos of a case of necrosis of the intrapancreatic choledochus caused by acute cephalopancreatitis secondary to a transduodenal sphincterotomy] Lago TF, et al. **Chir Ital** 1984 Oct; 36(5):743–59 (Eng. Abstr.) (Ita)

[Transduodenal papillotomy and divulsion of the papilla in the treatment of benign obstructions of the common bile duct (retrospective analysis of 186 cases)] Palestini N, et al. **Chir Ital** 1985 Dec;37(6):575–81 (Eng. Abstr.) (Ita)

[Indications for papillosphincterectomy. An open problem] Benedini F, et al. **Minerva Chir** 1986 Mar 31;41(5–6):207–10 (Ita)

[Oddi's sphincterectomy technic. Risk factors and prevention of immediate and long–term failures] Carboni M, et al. **Minerva Chir** 1986 Mar 31;41(5–6):201–6 (Ita)

[Guided sphincter section in 2 stages: a safe papillosphincterostomy technic in the presence of odditis] Guajana G, et al. **Minerva Chir** 1985 Nov 30;40(22):1529–31 (Eng. Abstr.) (Ita)

[Applications of the endoscopic method in the treatment of benign pathology of Vater's papilla] Purri P. **Minerva Chir** 1986 Mar 31;41(5–6):191–200 (Ita)

[Our experience in the surgical treatment of biliary lithiasis with special reference to calculosis of the choledochus and associated papillary diseases] Santoro A, et al. **Minerva Chir** 1986 Jan 31;41(1–2):21–34 (Eng. Abstr.) (Ita)

[Effects of the CO2 laser in the surgery of Vater's papilla. Experimental study in the rabbit using microsurgical technics] Spagnuolo S, et al. **Minerva Chir** 1986 Apr 15; 41(7):511–5 (Ita)

[Immediate and late results in Oddi sphincteroplasty] Duca S, et al. **Rev Chir [Chir]** 1986 May–Jun;35(3):191–8 (Eng. Abstr.) (Rum)

[Results of endocholedochal papillosphincterotomy] Gusarev VF, et al. **Khirurgiia (Mosk)** 1986 Feb;(2):122–5 (Rus)

[A method of reconstructive papillosphincteroplasty] Postrelov NA, et al. **Khirurgiia (Mosk)** 1986 Feb;(2):119–22 (Rus)

[Endoscopic suprapapillary choledochoduodenostomy] Tashkinov VI, et al. **Khirurgiia (Mosk)** 1985 Aug;(8):56–8 (Eng. Abstr.) (Rus)

[Methods of reducing complications of papillosphincteroplasty] Teterevlev IuA. **Khirurgiia (Mosk)** 1986 Feb;(2):117–9 (Rus)

[Closed intraoperative papillotomy under endoscopic control] Tsatsanidi KN, et al. **Khirurgiia (Mosk)** 1986 Jul; (7):123–5 (Rus)

[Antegrade method of endoscopic papillosphincterotomy through a drainage tube or fistula of the cystic duct] Zavenian ZS, et al. **Khirurgiia (Mosk)** 1986 Mar;(3):112–4 (Rus)

[Transpapillary choledochoduodenostomy in pathology of the distal portion of the common bile duct and major duodenal papilla] Oĭshanetskiĭ AA, et al. **Klin Khir** 1985; (9):5–7 (Eng. Abstr.) (Rus)

[Endoscopic papillosphincterotomy in benign stenosis of Vater's ampulla and of the terminal section of the common bile duct in patients undergoing biliary tract operations] Peredkov PA, et al. **Klin Med (Mosk)** 1986 Apr;64(4):77–80 (Eng. Abstr.) (Rus)

[Endoscopic retrograde pancreatocholangiography and papillosphincterotomy after resection of the stomach by the Billroth II method] Reviakin VI, et al. **Sov Med** 1986; (4):111–3 (Rus)

[Sphincterotomy and sphincteroplasty: a comparative study in a series of 257 patients] Hidalgo M, et al. **Rev Esp Enferm Apar Dig** 1986 Aug;70(2):95–106 (Eng. Abstr.) (Spa)

[Endoscopic sphincterotomy in malignant periampullar neoplasms. Review of the literature] Moreira VF, et al. **Rev Esp Enferm Apar Dig** 1985 Jul;68(1):21–7 (77 ref.) (Eng. Abstr.) (Spa)

VECTORCARDIOGRAPHY

Wolff–Parkinson–White VCG patterns that mimic other cardiac pathologies: a correlative study with the preexcitation pathway localization. Giorgi C, et al. **Am Heart J** 1986 May;111(5):891–902

Scalar, planar, and spatial measurements of the Frank vectorcardiogram in normal infants and children. Perry LW, et al. **Am Heart J** 1986 Apr;111(4):721–30

Validation of a computerized QRS criterion for estimating myocardial infarction size and correlation with quantitative morphologic measurements. Cowan MJ, et al. **Am J Cardiol** 1986 Jan 1;57(1):60–5

Reproducibility of measurements of ventricular activation time using the signal–averaged Frank vectorcardiogram. Dennis AR, et al. **Am J Cardiol** 1986 Jan 1;57(1):156–60

The right ventricular pouch: a proposed explanation for the electro–vectorcardiographic pattern of double chambered right ventricle. Folger GM. **Angiology** 1986 Jul;37(7):483–6

Vectorcardiographic and blood pressure correlates of obstructive pulmonary diseases in a community population. Lebowitz MD, et al. **Chest** 1986 Jan;89(1):78–84

Detection of posterior myocardial infarction by body surface mapping: a comparative study with 12 lead ECG and VCG. Ikeda K, et al. **J Electrocardiol** 1985 Oct;18(4):361–9

Assessment of left ventricular hypertrophy by ECG and VCG in patients with inferior and posterior myocardial infarction. A comparison with echocardiographic data. Loperfido F, et al. **J Electrocardiol** 1986 Jul;19(3):247–56

Abnormal Q–wave in children. The first report: QS–pattern in lead V1. Izumi H, et al. **Jpn Circ J** 1985 Dec; 49(12):1288–9

Post–pacing T loop abnormalities. Tsutsumi T, et al. **Jpn Heart J** 1985 Nov;26(6):897–908

[Analysis of VCG in 23 cases of ectopia cordis] Li JM. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1985 Sep; 13(3):219–21 (Chi)

[Correlations between vectorcardiographic data and effect of myocardial infarction on global and regional left ventricular function] Colle JP, et al. **Arch Mal Coeur** 1986 Mar;79(3):292–300 (Eng. Abstr.) (Fre)

[Spatial ventricular gradient studied by computerized vectorcardiography. Normal and pathological values. Interpretation and clinical evaluation] Mossard JM, et al. **Arch Mal Coeur** 1986 Mar;79(3):356–61 (Eng. Abstr.) (Fre)

[Electrocardiographic and vectorcardiographic evaluation of left ventricular hypertrophy in arterial hypertension] Zamfirescu NR, et al. **Physiologie** 1986 Jan–Mar;23(1):3–6 (Fre)

[Significance of minor vectorcardiographic changes (the QRS complex)] Zamfirescu NR, et al. **Physiologie** 1986 Apr–Jun;23(2):115–24 (Fre)

[Deep Q waves in the ECG of children—an electro–, vector– and echocardiographic study] Bross U, et al. **Monatsschr Kinderheilkd** 1985 Jul;133(7):476–82 (Eng. Abstr.) (Ger)

[Vectorcardiographic changes during exertion in normal subjects] Massimino A, et al. **Cardiologia** 1982;27(5):463–76 (Ita)

[Vectorcardiography and M–mode echocardiography in arterial hypertension] Negro R, et al. **Minerva Cardioangiol** 1985 Apr;33(4):191–6 (Eng. Abstr.) (Ita)

[Occurrence and significance of so–called bites in the vectorcardiogram of the aged] Palagi L, et al. **Minerva Cardioangiol** 1986 May;34(5):311–6 (Eng. Abstr.) (Ita)

[Diagnostic problems in relation to left bundle branch block and ventricular pre–excitation. Electro–vectorcardiographic study] Tullio D. **Minerva Cardioangiol** 1985 Apr;33(4):203–8 (Eng. Abstr.) (Ita)

[Evaluation of vectorcardiographic findings for estimating left ventricular function in acute myocardial infarction] Kanamaru S. **Nippon Naika Gakkai Zasshi** 1985 Jul; 74(7):898–908 (Jpn)

[The vectorcardiogram in the undetermined form of Chagas' disease] Mady C, et al. **Arq Bras Cardiol** 1985 Feb; 44(2):83–5 (Eng. Abstr.) (Por)

[Segmental blocks of the right bundle–branch and electrically inactive areas. Differential electro–vectorcardiographic diagnosis] Pastore CA, et al. **Arq Bras Cardiol** 1985 Nov; 45(5):309–17 (Eng. Abstr.) (Por)

[The RSR' pattern in the V1 lead in patients with and without interatrial septal defects—electro and vectorcardiographic study] Rodrigues R, et al. **Arq Bras Cardiol** 1985 Dec; 45(6):381–4 (Eng. Abstr.) (Por)

[Electrical fields of the heart in puppies with experimental cardiomegaly and chemical sympathectomy] Bernadič M, et al. **Bratisl Lek Listy** 1986 Apr;85(4):478–95 (Eng. Abstr.) (Slo)

[Superior axial deviation in the young adult. An electro–vectorcardiographic study] Bottero M, et al. **Arch Inst Cardiol Mex** 1985 Jul–Aug;55(4):309–14 (Eng. Abstr.) (Spa)

HISTORY

The history of vectorcardiography. Burch GE. **Med Hist [Suppl]** 1985;5:103–31

INSTRUMENTATION

Vectorcardiogram with McFee–Parungao lead system in spontaneously hypertensive rats. Tsutsumi T, et al. **Jpn Circ J** 1985 Nov;49(11):1159–66

METHODS

Effects of respiration on the vectorcardiogram obtained with the Frank lead system. Yamada N. **Acta Med Okayama** 1985 Aug;39(4):297–313

Comparative diagnostic value of exercise polarcardiography and 14–lead electrocardiography in the detection of coronary artery disease. Lam JC, et al. **Am Heart J** 1985 Dec;110(6):1237–41

Importance of the distance and velocity of electrical forces in the diagnosis of inferior wall healed myocardial infarction: a vectorcardiographic study. Warner RA, et al. **Am J Cardiol** 1986 Apr 1;57(10):725–8

Technique for maximizing the frequency response of the signal averaged Frank vectorcardiogram. Denniss AR, et al. **J Biomed Eng** 1986 Jul;8(3):207–12

Comparative study of the normal vector magnetocardiogram and vector electrocardiogram. Nousiainen JJ, et al. **J Electrocardiol** 1986 Jul;19(3):275–90

Diagnostic implications of figure–of–eight and clockwise QRS loop rotation on the horizontal vectorcardiogram in chronic aortic valve disease. Recke SH. **J Electrocardiol** 1986 Apr;19(2):123–30

T loop in posterior myocardial infarction: a useful clue to vectorcardiographic diagnosis. Takatsu F, et al. **J Electrocardiol** 1986 Apr;19(2):109–14

Exercise P–vector magnitude changes in angina pectoris: Frank–Vectorcardiographic and hemodynamic correlations. Yokota M, et al. **J Electrocardiol** 1986 Apr; 19(2):115–21

[Age–related characteristics of large–scale corrected orthogonal electro– and vectrocardiography] Karamov SK. **Ter Arkh** 1985;57(9):56–60 (Eng. Abstr.) (Rus)

VECTORS, GENETIC see **GENETIC VECTORS**

VEGETABLE PROTEINS

Cholesterol transport and uptake in miniature swine fed vegetable and animal fats and proteins. 2. LDL uptake and cholesterol distribution in tissues. Hentges LS, et al. **Lipids** 1985 Nov;20(11):757–64

Cholesterol transport and uptake in miniature swine fed vegetable and animal fats and proteins. I. Plasma lipoproteins and LDL clearance. Hentges LS, et al. **Lipids** 1985 Nov;20(11):735–42

[Obtention of protein concentrate from Cassia aphylla seeds. Studies of supplementation] de Mucciarelli SI, et al. **Acta Cient Venez** 1985;36(5–6):401–3 (Eng. Abstr.) **(Spa)**

[Nutritional quality of soybean proteins and casein, thermally damaged, and determined in vivo by an enzymatic method] Millán N, et al. **Arch Latinoam Nutr** 1984 Dec;34(4):708–23 (Eng. Abstr.) **(Spa)**

[Enzymatic modification of proteins of commercial sesame meals (Sesamum indicum, L.)] Pérez C, et al. **Arch Latinoam Nutr** 1984 Dec;34(4):735–48 (Eng. Abstr.) **(Spa)**

[Functional and nutritional properties of modified proteins of sesame (Sesamum indicum, L.)] Saad R, et al. **Arch Latinoam Nutr** 1984 Dec;34(4):749–62 (Eng. Abstr.) **(Spa)**

[Effect of formaldehyde on the protection of proteins in the silage of the peanut plant (Arachis hypogaea)] Sanginés L, et al. **Arch Latinoam Nutr** 1984 Dec;34(4):724–34 (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

Influence of dietary casein and soy protein isolate on intestinal cholesterol and bile acid concentration. Scholz KE, et al. **Z Ernahrungswiss** 1985 Sep;24(3):158–71

ANALYSIS

Identification of soy protein in meat by pyrolysis–high–resolution gas chromatography. Raghavan SK, et al. **J Chromatogr** 1986 Jan 17;351(2):195–202

Detection of soya proteins in heated meat products by "blotting" and "dot blot". Janssen FW, et al. **Z Lebensm Unters Forsch** 1986 Jun;182(6):479–83

[Mineral composition of the protein concentrates made from nontraditional raw plant materials] Kononko LN, et al. **Vopr Pitan** 1986 Mar–Apr;(2):69–72 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Regulation of storage–protein synthesis in pea (Pisum sativum L.) cotyledons under conditions of sulphur deficiency. Evans IM, et al. **Biochem J** 1985 Nov 15;232(1):261–5

GENETICS

The legumin gene family: structure of a B type gene of Vicia faba and a possible legumin gene specific regulatory element. Bäumlein H, et al. **Nucleic Acids Res** 1986 Mar 25;14(6):2707–20

The 5'-flanking regions of three pea legumin genes: comparison of the DNA sequences. Lycett GW, et al. **Nucleic Acids Res** 1985 Sep 25;13(18):6733–43

A cDNA clone encoding a glycinin A1a subunit precursor of soybean. Negoro T, et al. **Nucleic Acids Res** 1985 Sep 25;13(18):6719–31

IMMUNOLOGY

[Isolation of antibodies against soy protein from the eggs of immunized laying hens] Eichler D, et al. **Z Lebensm Unters Forsch** 1986 Jul;183(1):8–11 (Eng. Abstr.) **(Ger)**

METABOLISM

Protein digestibility of methionine supplemented common beans (Phaseolus vulgaris) in adult human subjects. Bressani R, et al. **Arch Latinoam Nutr** 1984 Dec;34(4):640–53

Studies on the development of infant foods from plant protein sources. Part I. Effect of germination of chickpea (Cicer arietinum) on the nutritive value and digestibility of proteins. Khaleque A, et al. **Arch Latinoam Nutr** 1985 Jun; 35(2):315–25

Stromal protein phosphorylation in spinach (Spinacia oleracea) chloroplasts. Foyer CH. **Biochem J** 1985 Oct 1; 231(1):97–103

Digestibilities of casein and soya–bean protein in relation to their effects on serum cholesterol in rabbits. Woodward CJ, et al. **Br J Nutr** 1985 Sep;54(2):355–66

Comparisons between true digestibility of total nitrogen and limiting amino acids in vegetable proteins fed to rats. Sarwar G, et al. **J Nutr** 1986 Jul;116(7):1172–84

Hypocholesterolemic effect of soybean protein in rats and mice after peptic digestion. Yashiro A, et al. **J Nutr** 1985 Oct;115(10):1325–36

Effect of methionine supplementation of a soy protein isolate on short–term nitrogen balance in young women. Kaneko K, et al. **J Nutr Sci Vitaminol (Tokyo)** 1986 Feb; 32(1):123–30

Absorption of selenium from milk protein and isolated soy protein formulas in preschool children: studies using stable isotope tracer 74Se. Solomons NW, et al. **J Pediatr Gastroenterol Nutr** 1986 Jan;5(1):122–6

[Comparative study on the digestion of radiolabelled vicilin, legumin and lectin of Pisum sativum in the rat] Aubry M, et al. **Ann Nutr Metab** 1986;30(3):175–82 (Eng. Abstr.) **(Fre)**

[Hygienic evaluation of a diet consisting of canned products containing milk and vegetable proteins] Tsyganov EP, et al. **Vopr Pitan** 1986 Mar–Apr;(2):37–9 (Eng. Abstr.) **(Rus)**

[Digestibility, protein value and protein requirements of diets based on plantain/bean and cassava/bean in young adults] Navarrete DA, et al. **Arch Latinoam Nutr** 1984 Dec; 34(4):654–65 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Comparative assessment of soy and milk protein quality in infant cebus monkeys. Ausman LM, et al. **Am J Clin Nutr** 1986 Jan;43(1):112–27

Modulation of very low–density lipoprotein secretion by dietary protein is age–dependent in rats. Pfeuffer M, et al. **Ann Nutr Metab** 1986;30(5):281–8

Developmental changes on protein turnover in growing rats fed on diets containing field beans (Vicia faba L.) as source of protein. Martínez JA, et al. **Arch Latinoam Nutr** 1984 Sep;34(3):466–76

Hepatic lipoprotein receptor activity in rats fed casein and soy protein. Cohn JS, et al. **Atherosclerosis** 1985 Aug; 56(2):247–50

Accelerated early catabolism of very low density lipoproteins in rats after dietary soy proteins. Lovati MR, et al. **Atherosclerosis** 1985 Aug;56(2):243–6

Effects of casein and soy protein on hepatic and serum lipids and lipoprotein lipid distributions in the rat. Vahouny GV, et al. **Atherosclerosis** 1985 Aug;56(2):127–37

The retention of 59Fe and 65Zn by preruminant lambs given milk–substitutes based on either casein or soya–bean–protein isolate. Hill R, et al. **Br J Nutr** 1985 May;53(3):587–93

Effects of dietary fish protein, soybean protein and casein on cholesterol turnover in rats. Iritani N, et al. **J Nutr Sci Vitaminol (Tokyo)** 1985 Jun;31(3):385–92

Effect of soya protein on digestive enzymes, gut hormone and anti–soya antibody plasma levels in the preruminant calf. Guilloteau P, et al. **Reprod Nutr Dev** 1986; 26(2B):717–28

[Biochemical and nutritional value of seeds of the lima bean (Phaseolus lunatus) in comparison with those of the common bean (Phaseolus vulgaris)] Benshimol AL, et al. **Arch Latinoam Nutr** 1985 Mar;35(1):70–9 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Cholesterol–lowering and HDL–raising properties of lecithinated soy proteins in type II hyperlipidemic patients. Sirtori CR, et al. **Ann Nutr Metab** 1985;29(6):348–57

Plasma concentration of amino acids in obese men consuming very–low–calorie diets composed of soy or collagen protein. Fisler JS, et al. **Int J Obes** 1985;9(5):335–46

TOXICITY

The effects of long–term soy protein and milk protein feeding on the pancreas of Cebus albifrons monkeys. Ausman LM, et al. **J Nutr** 1985 Dec;115(12):1691–701

VEGETABLES

Repletion and depletion of serum alpha and beta carotene in humans with carrots and an algae–derived supplement. Jensen CD, et al. **Acta Vitaminol Enzymol** 1985; 7(3–4):189–98

Vegetable consumption and acute appendicitis in 59 areas in England and Wales. Barker DJ, et al. **Br Med J [Clin Res]** 1986 Apr 5;292(6525):927–30

Reduced glycemic response to beet–fibre meal in non–insulin–dependent diabetics and its relation to plasma levels of pancreatic and gastrointestinal hormones. Hagander B, et al. **Diabetes Res** 1986 Feb;3(2):91–6

Effects of commonly consumed vegetables on hepatic xenobiotic–metabolizing enzymes in the mouse. Bradfield CA, et al. **Food Chem Toxicol** 1985 Oct;23(10):899–904

Energy content of selected salad bar and hot serving line meals. Flowers–Willetts L, et al. **J Am Diet Assoc** 1985 Dec;85(12):1630–1

Perceived intolerance of vegetables among the elderly. Zimmerman SA, et al. **J Am Diet Assoc** 1986 Aug; 86(8):1047–51

Biomechanics of fruits and vegetables. Peleg K. **J Biomech** 1985;18(11):843–62

Spectrophotometric and cytochemical analyses of phosphatase activity in Beta vulgaris L. Pesacreta TC, et al. **J Histochem Cytochem** 1986 Mar;34(3):327–38

History of promotion of vegetable cereal diets. Roe DA. **J Nutr** 1986 Jul;116(7):1355–63

Is food particle size a criterion for the initiation of swallowing? Lucas PW, et al. **J Oral Rehabil** 1986 Mar; 13(2):127–36

Vegetable oil diet for arthritis [letter] Maulfair CG Jr. **Postgrad Med** 1985 Dec;78(8):30

Chronic airflow limitation after inhalation of overheated cooking oil fumes. Simpson FG, et al. **Postgrad Med J** 1985 Nov;61(721):1001–2

Epidemic ascariasis—evidence of transmission by imported vegetables. Räisänen S, et al. **Scand J Prim Health Care** 1985 Sep;3(3):189–91

[Antiviral effect of an extract of Luffa cylindrica (L 043) on Japanese B encephalitis virus infection in vivo] Xu ZX, et al. **Wei Sheng Wu Hsueh Pao** 1985 Mar;25(1):66–8 (Eng. Abstr.) **(Chi)**

[Pollinosis as a cause of allergy to vegetables] Aalberse RC, et al. **Ned Tijdschr Geneeskd** 1986 May 3;130(18):838–9 **(Dut)**

[Growth rates of two virulence plasmids carrying Yersinia enterocolitica after contamination of heated milk, raw minced pork and vegetables] Hellmann E, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Dec; 182(1):1–16 (Eng. Abstr.) **(Ger)**

[Contamination of vegetables and the external environment of vegetable store houses of the Primor'e Territory by Yersinia] Kuznetsov VG. **Gig Sanit** 1986 May;(5):69–71 **(Rus)**

[Comparative physiological and hygienic evaluation of various methods of watering vegetables] Friptuliak GE. **Gig Tr Prof Zabol** 1986 Jun;(6):50–3 **(Rus)**

[Effect of vegetable products on mercury elimination from the body] Livshits OD. **Vopr Pitan** 1986 Mar–Apr;(2):62–4 (Eng. Abstr.) **(Rus)**

[Pneumonia due to the aspiration of vegetables] Leoni AF, et al. **Rev Fac Cien Med Univ Nac Cordoba** 1984;42(3):41–3 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Vegetable consumption and acute appendicitis [letter] Black J. **Br Med J [Clin Res]** 1986 Jul 5;293(6538):52

Vegetable consumption and acute appendicitis [letter] Flowerdew R, et al. **Br Med J [Clin Res]** 1986 May 17; 292(6531):1336–7

Anaphylaxis from contact with carrot. Muñoz D, et al. **Contact Dermatitis** 1985 Nov;13(5):345–6

[Carrot soup as the cause of methemoglobinemia in an infant. Case report] Sernia O, et al. **Ann Osp Maria Vittoria Torino** 1984 Jan–Jun;27(1–6):85–92 (Eng. Abstr.) **(Ita)**

[In vitro immunologic diagnosis of hypersensitivity to vegetables] Carrillo Díaz T, et al. **Allergol Immunopathol (Madr)** 1986 Mar–Apr;14(2):139–46 (Eng. Abstr.) **(Spa)**

ANALYSIS

Selected ion monitoring/isotope dilution mass spectrometric determination of 1–aminocyclopropane–1–carboxylic acid levels in ripening tomato fruit. McGaw BA, et al. **Anal Biochem** 1985 Aug 15;149(1):130–5

Comparison of ultraviolet and reductive amperometric detection for determination of ethyl and methyl parathion in green vegetables and surface water using high–performance liquid chromatography. Clark GJ, et al. **Anal Chem** 1985 Oct;57(12):2223–8

Evaluation of a slurry technique for the determination of lead in spinach by electrothermal atomic–absorption spectrometry. Stephen SC, et al. **Analyst** 1985 Sep; 110(9):1147–51

Dermatitis in grocery workers associated with high natural concentrations of furanocoumarins in celery. Berkley SF, et al. **Ann Intern Med** 1986 Sep;105(3):351–5

Colorimetric determination of propoxur residues in vegetables and water. Appaiah KM, et al. **Bull Environ Contam Toxicol** 1985 Sep;35(3):296–300

Identification of diazinon and its metabolite in spinach by chemical ionization mass spectrometry. Cairns T, et al. **Bull Environ Contam Toxicol** 1985 Sep;35(3):291–5

Effect of perforated plastic row covers on residues of the herbicide DCPA in soil and broccoli. Jensen KI, et al. **Bull Environ Contam Toxicol** 1985 Dec;35(6):716–22

Copper content of South African fruits and vegetables. Pick FE, et al. **Bull Environ Contam Toxicol** 1986 Jul;37(1):81–6

Recovery studies of organochlorine insecticides in fruits and vegetables using cyclic steam distillation. Santa María I, et al. **Bull Environ Contam Toxicol** 1986 Jan;36(1):41–6

Liquid chromatographic determination of the herbicide diuron and its metabolite 3,4–dichloroaniline in asparagus. Goewie CE, et al. **Food Addit Contam** 1985 Jul–Sep; 2(3):217–20

Normalized specific activities for Pu deposition onto foliage. Pinder JE 3d, et al. **Health Phys** 1985 Dec;49(6):1280–3

Disappearance of dislodgable residues of methomyl from leaves and vegetables in Tamilnadu (India). Kannan N, et al. **Int J Environ Anal Chem** 1985;23(1–2):69–75

Methods of determining fiber [letter] Marlett JA. **J Am Diet Assoc** 1986 Aug;86(8):1096

Electron capture gas chromatographic determination of thiabendazole in yams. Bardalaye PC, et al. **J Assoc Off Anal Chem** 1986 Jan–Feb;69(1):114–6

Evaluation of Monier–Williams and Committee methods for bisulfite determination as used by the potato processing industry. Moylan JG, et al. **J Assoc Off Anal Chem** 1986 Jan–Feb;69(1):11–4

Determination of residues of alachlor and its metabolite in corn, soybeans, and potatoes as heptafluorobutyryl–2,6–diethylaniline. Newsome WH, et al. **J Assoc Off Anal Chem** 1986 Jul–Aug;69(4):591–3

Determination of fat in vegetable foods. Rosenthal I, et al. **J Assoc Off Anal Chem** 1985 Nov–Dec;68(6):1226–8

Ruggedness testing of the official method for rot fragments in comminuted tomato products. Russell GE. **J Assoc Off Anal Chem** 1985 Sep–Oct;68(5):896–8

Inconsistent differences between neutral detergent fiber and total dietary fiber values of fruits and vegetables. Visser FR, et al. **J Assoc Off Anal Chem** 1986 Jul–Aug;69(4):565–7

Behavior of parathion in tomatoes processed into juice and ketchup. Muhammad MA, et al. **J Environ Sci Health [B]** 1985 Oct;20(5):499–510

Incidence of endrin residues in vegetables and its effects on

biological system. Iftikhar Q, et al. **JPMA** 1985 Dec; 35(12):362–5

Appearance of direct-acting mutagenicity of various foodstuffs produced in Japan and Southeast Asia on nitrite treatment. Wakabayashi K, et al. **Mutat Res** 1985 Dec; 158(3):119–24

Purslane: a terrestrial source of omega-3 fatty acids [letter] Simopoulos AP, et al. **N Engl J Med** 1986 Sep 25; 315(13):833

Analyses of vegetables from the highlands of Papua New Guinea. Bradbury JH, et al. **Papua New Guinea Med J** 1985 Jun;28(2):127–30

Accumulation of cadmium, mercury and lead by vegetables following long-term land application of wastewater. Shariatpanahi M, et al. **Sci Total Environ** 1986 Jun; 52(1–2):41–7

Effect of the add-back process on the free amino acid pool of potatoes. Golan-Goldhirsh A.
Z Lebensm Unters Forsch 1986 Jan;182(1):29–32

[Promoting effect of Roussin red methyl ester (RRME) in the pickled vegetables in Linxian County on the forestomach epithelium of mice] Lu SX.
Chung Hua Chung Liu Tsa Chih 1985 Jul;7(4):241–3 (Eng. Abstr.) (Chi)

[Binding of lead and copper ions to ethanol-insoluble substances from cooking potatoes] Kohn R, et al.
Nahrung 1986;30(1):39–52 (Eng. Abstr.) (Ger)

[Residue dynamics of ortho-oxyquinoline in fruit and vegetables after applying kuprasal] Chmiel Z.
Z Gesamte Hyg 1986 Jun;32(6):381–2 (Eng. Abstr.) (Ger)

[The effect of mutagen-depressive substances in vegetables on benzo(a)pyrene metabolism] Michioka O.
Gan No Rinsho 1986 May;32(6):660–4 (Eng. Abstr.) (Jpn)

[Determination triazine herbicides in plant material] Zadrozińska J, et al. **Rocz Panstw Zakl Hig** 1985; 36(4):313–21 (Eng. Abstr.) (Pol)

[Hygienic evaluation of food products with regard to the levels of harmful metals. I. Fruit and vegetable preserves and non-alcoholic beverages] Zawadzka T, et al.
Rocz Panstw Zakl Hig 1985;36(5):361–72 (Eng. Abstr.) (Pol)

[Lead levels in selected vegetables and fruit grown within the range of lead compound emission by the Irena glass works in Inowrocław] Zommer-Urbańska S, et al.
Rocz Panstw Zakl Hig 1985;36(4):298–303 (Eng. Abstr.) (Pol)

[Use of correlation-regression analysis in studying the effect of mineral fertilizers on the concentration of microelements in vegetables] Chapkasvichene ES, et al. **Gig Sanit** 1985 Nov;(11):91–2 (Rus)

[Residual amount of nitrates in cucurbitaceous crops and vegetables grown in the Dzhambul region] Salata OA, et al. **Vopr Pitan** 1986 Jan-Feb;(1):72–3 (Rus)

ENZYMOLOGY

Purification and characterization of a membrane-bound protein kinase from spinach thylakoids. Coughlan SJ, et al. **J Biol Chem** 1986 Aug 25;261(24):11378–85

Mechanism of activation by anions of phosphoglycolate phosphatases from spinach and human red blood cells. Rose ZB, et al. **J Biol Chem** 1986 Aug 25;261(24):10996–1002

VEGETARIANISM

Relationship of vegetarianism to child growth in South India. Hebert JR. **Am J Clin Nutr** 1985 Dec;42(6):1246–54

Gonadotrophin release and meat consumption in vegetarian women. Hill PB, et al. **Am J Clin Nutr** 1986 Jan;43(1):37–41

The effect of vegetarian diets on plasma lipid and platelet levels. Fisher M, et al. **Arch Intern Med** 1986 Jun; 146(6):1193–7

Hepatic mixed function oxidase induction during rifampicin/isoniazid therapy in Indian vegetarians. Perry W, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Jul; 24(7):344–8

Mineral intake and blood levels in vegetarians. Levin N, et al. **Isr J Med Sci** 1986 Feb;22(2):105–8

Health practices, attitudes, and beliefs of vegetarians and nonvegetarians. Freeland-Graves JH, et al.
J Am Diet Assoc 1986 Jul;86(7):913–8

A demographic and social profile of age- and sex-matched vegetarians and nonvegetarians. Freeland-Graves JH, et al. **J Am Diet Assoc** 1986 Jul;86(7):907–13

Food consumption and height/weight status of Dutch preschool children on alternative diets. van Staveren WA, et al. **J Am Diet Assoc** 1985 Dec;85(12):1579–84

Nutrient intake, blood pressure, serum and urinary prostaglandins and serum thromboxane B2 in a controlled trial with a lacto-ovo-vegetarian diet. Rouse IL, et al.
J Hypertens 1986 Apr;4(2):241–50

Long-term validation of 1 g of protein per kilogram body weight from a predominantly vegetable mixed diet to meet the requirements of young adult males. Yáñez E, et al.
J Nutr 1986 May;116(5):865–72

Physical fitness, anthropometric and metabolic parameters in vegetarian athletes. Hanne N, et al.
J Sports Med Phys Fitness 1986 Jun;26(2):180–5

Urinary estrogen profile determination in young Finnish vegetarian and omnivorous women. Adlercreutz H, et al.
J Steroid Biochem 1986 Jan;24(1):289–96

Dietary intake, the first law of thermodynamics, and the properties of yoga [letter] Mann GV. **JAMA** 1986 Mar 7;255(9):1136–7

Reference values of urinary electrolyte excretion in respect of a vegetarian diet. A chronobiological study. Bhattacharya RD, et al. **Panminerva Med** 1985 Apr-Jun; 27(2):83–7

Anthropometric measurements, dietary intake and biochemical data of South African lacto-ovovegetarians. Faber M, et al. **S Afr Med J** 1986 Jun 7;69(12):733–8

Fecal neutral sterols in omnivorous and vegetarian women. Korpela JT, et al. **Scand J Gastroenterol** 1985 Dec; 20(10):1180–4

Fasting and vegan diet in rheumatoid arthritis. Sköldstam L. **Scand J Rheumatol** 1986;15(2):219–21

Adapting to changing attitudes towards food [letter] Clarke PB. **Vet Rec** 1986 May 3;118(18):518

Adapting to changing attitudes towards food [letter] Fox MW. **Vet Rec** 1986 Jun 28;118(26):736

ADVERSE EFFECTS

Coeliac disease presenting as vitamin D deficiency rickets in a vegetarian child [letter] Stenhammar L.
Acta Paediatr Scand 1985 Nov;74(6):972–3

Selenium status in vegans and lactovegetarians. Akesson B, et al. **Br J Nutr** 1985 Mar;53(2):199–205

Keratomalacia on a 'healthy diet'. Olver J.
Br J Ophthalmol 1986 May;70(5):357–60

Nutritional vitamin B12 deficiency in a breast-fed infant of a vegan-diet mother. Sklar R. **Clin Pediatr (Phila)** 1986 Apr;25(4):219–21

Megaloblastic anaemia in a vegetarian Hindu community. Chanarin I, et al. **Lancet** 1985 Nov 23;2(8465):1168–72

Dental erosions in relation to lactovegetarian diet. Linkosalo E, et al. **Scand J Dent Res** 1985 Oct;93(5):436–41

ECONOMICS

Work function analysis of vegetarian entrée production. Maloney S, et al. **J Am Diet Assoc** 1986 Feb;86(2):237–41

HISTORY

History of promotion of vegetable cereal diets. Roe DA. **J Nutr** 1986 Jul;116(7):1355–63

VEGETATIVE STATE see **COMA**

VEHICLES

The effect of vehicle on the oral absorption of cyclosporin. Johnston A, et al. **Br J Clin Pharmacol** 1986 Mar; 21(3):331–3

Red blood cell targeting to smooth muscle cells. Glukhova MA, et al. **FEBS Lett** 1986 Mar 17;198(1):155–8

Use of solubility parameters of drug and vehicle to predict flux through skin. Sloan KB, et al. **J Invest Dermatol** 1986 Aug;87(2):244–52

The use of protein as a carrier of methotrexate for experimental cancer chemotherapy. I. Preparation of pea seed lectin-methotrexate derivative and the preliminary experiments. Slavík K, et al. **Neoplasma** 1985;32(4):415–9

ADVERSE EFFECTS

'Prescribing analgesics' [letter] Hobson P. **Br Dent J** 1985 Nov 9;159(9):274

PHARMACODYNAMICS

Effect of antibiotics and vehicles on bovine mammary polymorphonuclear leukocyte morphologic features, viability, and phagocytic activity in vitro. Nickerson SC, et al. **Am J Vet Res** 1985 Nov;46(11):2259–65

Influence of drug vehicle on ocular contact time of sulfacetamide sodium. Hanna C, et al. **Ann Ophthalmol** 1985 Sep;17(9):560–4

Vehicle effects on percutaneous absorption: in vivo and in vitro comparisons with human skin. Bronaugh RL, et al. **Br J Dermatol** 1986 Jul;115(1):1–11

The measurement of the stratum corneum reservoir: a simple method to predict the influence of vehicles on in vivo percutaneous absorption. Dupuis D, et al.
Br J Dermatol 1986 Aug;115(2):233–8

TOXICITY

Proliferative lesions of the exocrine pancreas: relationship to corn oil gavage in the National Toxicology Program. Eustis SL, et al. **JNCI** 1985 Dec;75(6):1067–73

Potentiation of the toxicity of basic peptides from rattlesnake venoms by sodium acetate. Allen HR, et al. **Toxicon** 1986; 24(6):553–8

VEILLONELLA

METABOLISM

Production and degradation of formate by Veillonella dispar ATCC 17745. Hoshino E, et al. **J Dent Res** 1986 Jun; 65(6):903–5

PHYSIOLOGY

The veillonellae: gram-negative cocci with a unique physiology. Delwiche EA, et al. **Annu Rev Microbiol** 1985; 39:175–93 (106 ref.)

VEILLONELLACEAE

ENZYMOLOGY

On the novel H2-activating iron-sulfur center of the "Fe-only" hydrogenasesAdams MW, et al. **Biochimie** 1986 Jan;68(1):35–42

Substrate stereochemistry of the biotin-dependent sodium pump glutaconyl-CoA decarboxylase from Acidaminococcus fermentans. Buckel W.
Eur J Biochem 1986 Apr 15;156(2):259–63

The sodium pump glutaconyl-CoA decarboxylase from Acidaminococcus fermentans. Specific cleavage by n-alkanols. Buckel W, et al. **Eur J Biochem** 1986 Apr 15; 156(2):251–7

VEINS

MRI of an aneurysm of the vein of Galen. Roosen N, et al. **AJNR** 1986 Jul-Aug;7(4):733–5

Restoring patency to occluded venous access ports [letter] Doizaki KK, et al. **Am J Hosp Pharm** 1986 Apr;43(4):880

Central venous cannulation: a new and efficient device [letter] Ellermeyer WP, et al. **Anesthesiology** 1986 Sep; 65(3):341–2

Spontaneous rupture of utero-ovarian vein in the 33rd week of pregnancy. Takahashi T, et al.
Asia Oceania J Obstet Gynaecol 1985 Sep;11(3):387–92

Central venous catheter malposition presenting as chest pain. Webb JG, et al. **Chest** 1986 Feb;89(2):309–12

Abnormal pelvic venous collaterals demonstrated during a gastrointestinal bleeding study. Krasicky GA, et al.
Clin Nucl Med 1986 Aug;11(8):595–6

Scarring of the hands resulting from venipunctures in babies. Den Ouden AL, et al. **Eur J Pediatr** 1986 Apr; 145(1–2):58–9

Classification of chronic venous disorders of lower extremities and pelvis. Sytchev GG. **Int Angiol** 1985 Apr-Jun;4(2):203–6

Assessment of thromboresistance of intravenous cannulae by 125I-fibrinogen scanning. Lewis J, et al.
J Biomed Mater Res 1985 Feb;19(2):99–113

Transient thoracic venous collaterals: an incidental CT finding. Gerard PS, et al. **J Comput Assist Tomogr** 1986 Jan-Feb;10(1):75–7

Intravenous pyogenic granuloma of the hand. Anderson WJ.
J Hand Surg [Am] 1985 Sep;10(5):728–9

Chronic venous access in the elderly. Holt RW.
J Natl Med Assoc 1986 Jun;78(6):537–8

Percutaneous central venous catheters in neonates. Chathas MK. **J Obstet Gynecol Neonatal Nurs** 1986 Jul-Aug; 15(4):324–32

A totally implantable venous access system for long-term chemotherapy in children. McGovern B, et al.
J Pediatr Surg 1985 Dec;20(6):725–7

Prevalence of diverticular disease, hiatus hernia, and pelvic phleboliths in black and white Americans. Burkitt DP, et al. **Lancet** 1985 Oct 19;2(8460):880–1

Venipuncture utilizing crystal thermography. A new technique. Patt RA. **Postgrad Med** 1985 Nov 15;78(7):132–3

Adenosine release into venous plasma during free flow exercise. Fuchs BD, et al. **Proc Soc Exp Biol Med** 1986 Mar;181(3):364–70

Measurement of flow in large veins by the continuous thermodilution method. Lougie Y, et al.
Res Exp Med (Berl) 1986;186(2):133–9

Does arterial rather than venous plasma beta-thromboglobulin better reflect in vivo platelet release reaction? [letter] Lande K, et al. **Thromb Haemost** 1985 Aug 30;54(2):547

Venous access techniques. Nelson EW.
Urol Clin North Am 1986 Aug;13(3):475–87 (101 ref.)

[Correction of erectile impotence of venous origin using detachable balloons and coils] Courtheoux P, et al.
J Radiol 1985 Aug-Sep;66(8–9):535–9 (Eng. Abstr.) (Fre)

[Phlebology consultation services open to physicians]
Phlebologie 1986 Apr-Jun;39(2):XXX-XXXV (Fre)

[Phlebology consultation services open to physicians]
Phlebologie 1985 Jul-Sep;38(3):XXI-XXVI (Fre)

[Iatrogenic venous pathology] Bastide G, et al.
Phlebologie 1985 Oct-Dec;38(4):557–9 (Fre)

[Esthetic demands in phlebology] Guillerot E. **Phlebologie** 1985 Oct-Dec;38(4):647–51 (Fre)

[Iatrogenic venous pathology and post-radiosurgery swollen arm. Apropos of 100 cases] Megret G. **Phlebologie** 1985 Oct-Dec;38(4):609–19 (Eng. Abstr.) (Fre)

[Veins and cellulitis] Vilain R. **Phlebologie** 1985 Oct-Dec; 38(4):653–9 (Eng. Abstr.) (Fre)

[Prevention of venous thromboembolism] Schmitz-Huebner U. **Dtsch Med Wochenschr** 1986 Jun 6;111(23):906–8 (Ger)

[Approaches to the reducing of the complications of transcutaneous the catheterization of large veins] Ignatavichus VM. **Anesteziol Reanimatol** 1986 Jan-Feb; (1):52–4 (Eng. Abstr.) (Rus)

[Determination of the ethanol concentration in various parts of the vascular system of a cadaver] Gurovichkin IuD. **Sud Med Ekspert** 1986 Jan-Mar;29(1):39–40 (Eng. Abstr.)

(Rus)

[Military-medical expert examinations in diseases of the veins of the lower extremities] Lisitsyn KM, et al. **Voen Med Zh** 1985 Sep;(9):35–7 (Rus)

ABNORMALITIES

Vein of Galen malformation with cerebral calcification: a reversible cause of neurodegenerative disease. Phillips SJ, et al. **Can J Neurol Sci** 1986 May;13(2):103–6

Congenital aplasia of the deep veins of lower extremities in children: the role of ascending functional phlebography. Gorenstein A, et al. **Surgery** 1986 Apr;99(4):414–20

Arterial anastomosis with Schlemm's canal: a rare cause of secondary open-angle glaucoma. Phelps CD. **Trans Am Ophthalmol Soc** 1985;83:304–15

ANALYSIS

Continuous venous oximetry in surgical patients. Nelson LD. **Ann Surg** 1986 Mar;203(3):329–33

Relationship between alpha adrenoceptor occupancy and response for the alpha-1 adrenoceptor agonist, cirazoline, and the alpha-2 adrenoceptor agonist, B-HT 933, in canine saphenous vein. Ruffolo RR Jr, et al. **J Pharmacol Exp Ther** 1985 Dec;235(3):636–43

ANATOMY & HISTOLOGY

"Half-way" venous catheters. II. Anatomoradiological basis. Curelaru I, et al. **Acta Anaesthesiol Scand [Suppl]** 1985; 81:32–5

Lymphaticovenous communications. Role of the lymph nodes. Hidden G, et al. **Anat Clin** 1985;7(2):83–91

Blood supply of the nasal cavity of the normal pig. Ghoshal NG, et al. **Anat Histol Embryol** 1986 Mar;15(1):14–22

The intrarenal and pericapsular venous systems of kidneys of the ringed seal, Phoca hispida. Munkacsi IM, et al. **J Morphol** 1985 Jun;184(3):361–73

[Surgical anatomy of abdominal, systemic and portal venous vascularization in the most common experimental animals] Farinon AM, et al. **Chir Patol Sper** 1984 Feb;32(1):3–15 (Eng. Abstr.) (Ita)

[Methods for preventing complications of central venous catheterization] Lucchini E, et al. **Minerva Anestesiol** 1986 Jan–Feb;52(1–2):35–41 (Eng. Abstr.) (Ita)

CYTOLOGY

Human lymphocyte–high endothelial venule interaction: functional and molecular characterization. Jalkanen S, et al. **Adv Exp Med Biol** 1985;186:615–20

Interaction of high endothelial venules with T and B cells after antigenic stimulation. Kraal G, et al. **Adv Exp Med Biol** 1985;186:609–14

Evidence for endothelial cell–mediated regulation of macromolecular permeability by postcapillary venules. Svensjö E, et al. **Fed Proc** 1986 Feb;45(2):89–95

Endothelial cell seeding of small-caliber synthetic grafts in the baboon. Shepard AD, et al. **Surgery** 1986 Mar; 99(3):318–26

DRUG EFFECTS

Experience with nitrobid (2% nitroglycerine) ointment as an aid to venepuncture [letter] Parakh SC, et al. **Br J Anaesth** 1986 Jul;58(7):822

Evaluation and application of the linear variable differential transformer technique for the assessment of human dorsal hand vein alpha-receptor activity. Alradi AO, et al. **Clin Pharmacol Ther** 1985 Nov;38(5):495–502

Direct effects of vasoactive substances on superficial human veins in vivo. Aellig WH. **Int Angiol** 1985 Apr–Jun; 4(2):235–42

Value of venous occlusion plethysmography to study venoactive medication in men. Colardyn F, et al. **Int Angiol** 1985 Apr–Jun;4(2):215–9

Methods for studying drug effects on superficial human veins. Aellig WH. **Methods Find Exp Clin Pharmacol** 1985 Jun; 7(6):321–4

Venous sequelae after intravenous propofol ('Diprivan')—a comparison with methohexitone in short anaesthesia. Mattila MA, et al. **Postgrad Med J** 1985;61 Suppl 3:162–4

[Intensity of tissue respiration of the arterial and venous walls in hypervitaminosis D] Ataman AV. **Patol Fiziol Eksp Ter** 1986 Jan–Feb;(1):61–3 (Eng. Abstr.) (Rus)

INJURIES

Results of venous reconstruction after civilian vascular trauma. Pasch AR, et al. **Arch Surg** 1986 May;121(5):607–11

Abdominal venous injuries. Wiencek RG, et al. **J Trauma** 1986 Sep;26(9):771–8

Vascular graft coverage in peripheral vascular injuries. Geer DA, et al. **Milit Med** 1986 Apr;151(4):224–6

Influence of ADP, blood flow velocity, and vessel diameter on the laser-induced thrombus formation. Seiffge D, et al. **Thromb Res** 1986 May 1;42(3):331–41

[Venous lesions in relation to injections and the use of catheters] Otteni JC, et al. **Phlebologie** 1985 Oct–Dec; 38(4):575–88 (Eng. Abstr.) (Fre)

[For a better use of the venous system] Bonnin F, et al. **Presse Med** 1986 May 10;15(19):867–9 (Eng. Abstr.) (Fre)

[Vascular injuries. Therapy and prognosis] Schlosser V. **Lebensversicherungsmedizin** 1985 Sep 1;37(5):130, 132–5 (Eng. Abstr.) (Ger)

[Use of digital subtraction angiography in traumatized patients. Experiences with arterial and venous technics] Wagner-Manslau C, et al. **Unfallchirurg** 1986 Jan; 89(1):23–7 (Eng. Abstr.) (Ger)

[Surgical treatment of magistral vein injuries] Bulynin VI, et al. **Vestn Khir** 1986 Jun;136(6):96–9 (Eng. Abstr.) (Rus)

INNERVATION

Adrenergic innervation and neurogenic response in large and small arteries and veins from the rat. Nilsson H, et al. **Acta Physiol Scand** 1986 Jan;126(1):121–33

METABOLISM

Evidence that prolonged histamine suffusions produce transient increases in vascular permeability subsequent to the formation of venular macromolecular leakage sites. Proof of the Majno-Palade hypothesis. Horan KL, et al. **Am J Pathol** 1986 Jun;123(3):570–6

[Plasminogen activator in various human veins] Giedrojć J, et al. **Pol Tyg Lek** 1986 Feb 24;41(8):243–4 (Pol)

PATHOLOGY

Intimal hyperplasia and secondary changes in vein grafts. Myhre HO, et al. **Acta Chir Scand [Suppl]** 1985;529:63–7

A study of valve incompetence that developed in an experimental model of venous hypertension. van Bemmelen SP, et al. **Arch Surg** 1986 Sep;121(9):1048–52

Venous anatomy of the lower oesophagus in portal hypertension: practical implications. Kitano S, et al. **Br J Surg** 1986 Jul;73(7):525–31

Hyperventilation does not affect the incidence of paresthesiae and blood vessel cannulation during epidural catheter insertion [letter] Rolbin SH, et al. **Can Anaesth Soc J** 1985 Sep;32(5):568

Intramural venous leiomyosarcomas. Leu HJ, et al. **Cancer** 1986 Apr 1;57(7):1395–400

Generalized venocentric lesions in the virus-associated hemophagocytic syndrome. Hoagland MH, et al. **Hum Pathol** 1986 Feb;17(2):195–8

Functional and morphological changes in post-capillary venules in relation to lymphocytic infiltration into BCG-induced granulomata in rat skin. Freemont AJ, et al. **J Pathol** 1985 Sep;147(1):1–12

Constrictive perivenous mesh prosthesis for preservation of vein integrity. Experimental results and application for coronary bypass grafting. Barra JA, et al. **J Thorac Cardiovasc Surg** 1986 Sep;92(3 Pt 1):330–6

Is there evidence for venular large junctional gap formation in inflammation? Grega GJ, et al. **Microcirc Endothelium Lymphatics** 1985 Jun;2(3):211–33 (35 ref.)

Venous response to endothelial denudation. Manderson JA, et al. **Pathology** 1986 Jan;18(1):77–87

Arteriovenous malformations of the extremities: MR imaging. Cohen JM, et al. **Radiology** 1986 Feb;158(2):475–9

Kaposi's sarcoma. Origin and significance of lymphaticovenous connections. Dictor M. **Virchows Arch [A]** 1986;409(1):23–35

[The vascular wall and fibrinolysis—pathologic aspects] Fuchs U, et al. **Folia Haematol (Leipz)** 1986;113(1–2):176–83 (Eng. Abstr.) (Ger)

PHYSIOLOGY

Alpha 1- and alpha 2-adrenoceptor stimulation: changes in venous capacitance in intact dogs. Appleton CP, et al. **Am J Physiol** 1986 Jun;250(6 Pt 2):H1071–8

Hydraulic conductivity of venous endothelium as measured with a volume clamp method. Vargas FF, et al. **Am J Physiol** 1986 Sep;251(3 Pt 2):H676–80

Evaluation of venous distension device: potential aid for intravenous cannulation. Hedges JR, et al. **Ann Emerg Med** 1986 May;15(5):540–3

Physiology of venous return. An unappreciated boost to the heart. Rothe CF. **Arch Intern Med** 1986 May;146(5):977–82 (52 ref.)

Functional studies on human veins after storage at—190 degrees C. Müller-Schweinitzer E, et al. **Br J Pharmacol** 1986 Jul;88(3):685–7

Blood volume, the venous system, preload, and cardiac output. Greenway CV, et al. **Can J Physiol Pharmacol** 1986 Apr;64(4):383–7

Laser Doppler flowmeter measurements of skin perfusion changes associated with arterial and venous compromise in the cutaneous island flap. Fischer JC, et al. **Microsurgery** 1985;6(4):238–43

Venular reactivity in the hamster cheek pouch and cremaster muscle. Damon DN, et al. **Microvasc Res** 1986 May; 31(3):379–83

Venous outflow obstruction in myocutaneous flaps: changes in microcirculation detected by the perfusion fluorometer and laser Doppler. Liu AJ, et al. **Otolaryngol Head Neck Surg** 1986 Feb;94(2):164–8

[Critical assessment of light reflection rheography. Comparative studies of phlebodynamometry using invasive measurement of venous pressure, photoplethysmography and light reflection rheography] Fischer M, et al. **Dtsch Med Wochenschr** 1985 Nov 22;110(47):1817–20 (Eng. Abstr.) (Ger)

[New theoretical analysis of cardiac function curves. 1. Venous return curve with ventricular function curve, derived from Guyton's formula] Kainuma M. **Masui** 1986 Feb;35(2):330–3 (Eng. Abstr.) (Jpn)

PHYSIOPATHOLOGY

Venous reactivity and pregnancy abnormalities. Goodlin RC. **Acta Obstet Gynecol Scand** 1986;65(4):345–8

Deep vein reflux: an assessment by descending phlebography. Ackroyd JS, et al. **Br J Surg** 1986 Jan;73(1):31–3

Large venous compliance in carboxyhemoglobinemia and hemodilutional anemia. Biro GP. **Can J Physiol Pharmacol** 1986 May;64(5):556–60

Venous system in essential hypertension. Safar ME, et al. **Clin Sci** 1985 Nov;69(5):497–504 (54 ref.)

Decreased venous distensibility and reduced renin responsiveness in hypertension. Fitzpatrick MA, et al. **Hypertension** 1986 Jun;8(6 Pt 2):II36–43

Venous abnormality in normotensive young men with a family history of hypertension. Ito N, et al. **Hypertension** 1986 Feb;8(2):142–6

Varicose veins are caused by defective valves in the veins. Watts GT. **Lancet** 1986 Jan 4;1(8471):31–2

Venous outflow measurement in the diagnosis of deep vein thrombosis—principles and practice. Voorhoeve R, et al. **Neth J Surg** 1986 Feb;38(1):6–10

A technique for the dilatation of the artery and vein in microsurgery [letter] Nazerani S. **Plast Reconstr Surg** 1986 Jun;77(6):1011

[Measurement of the effects of Barbotan-les-Thermes waters on the venous filling and drainage in patients with phlebitis and varicosities using plethysmography with a measuring gauge] Garreau C, et al. **Phlebologie** 1985 Jul–Sep; 38(3):529–39 (Eng. Abstr.) (Fre)

[Paradoxical constellations in Doppler sonographic reflux diagnosis] Hübner HJ, et al. **Z Hautkr** 1985 Dec 1; 60(23):1843–6, 1849 (Eng. Abstr.) (Ger)

RADIATION EFFECTS

Effects of argon, dye, and Nd:YAG lasers on epidermis, dermis, and venous vessels. Landthaler M, et al. **Lasers Surg Med** 1986;6(1):87–93

RADIONUCLIDE IMAGING

Clinical value of blood pool radionuclide venography. Zorba J, et al. **AJR** 1986 May;146(5):1051–5

Visualization of the left hepatic lobe during radioisotopic venography/lung imaging with technetium-99m MAA. Bartold K, et al. **Clin Nucl Med** 1986 Apr;11(4):259–61

SURGERY

Laser welding of venotomies. White RA, et al. **Arch Surg** 1986 Aug;121(8):905–7

Distal in situ vein bypass torsion—a technique to avoid it. Corson JD, et al. **J Vasc Surg** 1986 Aug;4(2):199–200

The natural history of microsurgical lymphovenous anastomoses: an experimental study. Gloviczki P, et al. **J Vasc Surg** 1986 Aug;4(2):148–56

A new technique for anastomosing veins to small-caliber arteries, Orbay T, et al. **Microsurgery** 1985;6(3):147–50

Anastomosis of systemic veins to pulmonary arteries for physiologic repair of asplenia syndrome. Waldman JD, et al. **Pediatr Cardiol** 1986;6(6):327–30

End-to-end versus end-to-side microvascular anastomosis patency in experimental venous repairs. Bas L, et al. **Plast Reconstr Surg** 1986 Mar;77(3):442–50

[Reconstruction of lower extremity veins] Zhang BG, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Sep;23(9):568–70 (23 ref.) (Chi)

[Progress in lymphatic microsurgery: interposition of veins between lymph ducts] Campisi C, et al. **Minerva Cardioangiol** 1986 Jan–Feb;34(1–2):1–8 (Ita)

[The arterial patch in venous microanastomosis. Experimental study] Baffoni A, et al. **Minerva Ginecol** 1986 Mar; 38(3):179–85 (Eng. Abstr.) (Ita)

[Comparative evaluation of the regeneration of microvascular wall after plastic repair with the suture materials "Metallatravm" and "Ethilon"Savitskaia IM, et al. **Klin Khir** 1985;(7):31–2 (Eng. Abstr.) (Rus)

TRANSPLANTATION

Composite grafts for femorodistal bypass surgery. Lundqvist B, et al. **Acta Chir Scand [Suppl]** 1985;529:69–72

Venous versus lymphatic duct autotransplantation in the treatment of experimental lymphedema. Chang TS, et al. **Ann Plast Surg** 1985 Oct;15(4):296–302

Experimental observation of transplantation of vein graft to lymphatics. Tang HY, et al. **Ann Plast Surg** 1985 Oct; 15(4):285–95

Homemade pressure limiting vein testing device. Dimitri WR, et al. **Ann Thorac Surg** 1986 May;41(5):569–70

Comparison of cod-liver oil and aspirin-dipyridamole for the prevention of intimal hyperplasia in autologous vein grafts. Landymore RW, et al. **Ann Thorac Surg** 1986 Jan; 41(1):54–7

Recognition and management of impending vein-graft failure. Importance for long-term patency. Cohen JR, et al. **Arch Surg** 1986 Jul;121(7):758–9

Arterial grafting through the obturator foramen. Rawson

HD. **Aust NZ J Surg** 1986 Feb;56(2):127–30

Effects of cod-liver oil on intimal hyperplasia in vein grafts used for arterial bypass. Landymore RW, et al. **Can J Surg** 1986 Mar;29(2):129–31

Vein graft in toe to hand transfers. Krylov VS, et al. **Int Angiol** 1985 Apr–Jun;4(2):141–5

Vein valve transplant. Indications and results. Taheri SA, et al. **Int Angiol** 1985 Oct–Dec;4(4):425–8

Initial histopathology of the autovein graft in late occlusion after arterial reconstruction. Okadome K, et al. **J Cardiovasc Surg (Torino)** 1986 May–Jun;27(3):241–7

Freeze-preserved vein grafts and atherosclerosis. An experimental study. Siegal B, et al. **J Cardiovasc Surg (Torino)** 1986 May–Jun;27(3):248–55

Indications and results of vein valve transplant. Taheri SA, et al. **J Cardiovasc Surg (Torino)** 1986 Mar–Apr;27(2):163–8

The use of Y-shaped interposition vein grafts in multiple digit replantations. Jones NF, et al. **J Hand Surg [Am]** 1985 Sep;10(5):675–8

The fate of tendon healing after restoration of the integrity of the tendon sheath with autogenous vein grafts. Strauch B, et al. **J Hand Surg [Am]** 1985 Nov;10(6 Pt 1):790–5

Viability of surrounding tissue attached to vein graft. Graf P, et al. **J Reconstr Microsurg** 1984 Oct;1(2):119–22

Effects of papaverine on smooth muscle cell morphology and vein graft preparation. Sottiurai VS, et al. **J Vasc Surg** 1985 Nov;2(6):834–42

Microsurgical application of freeze-dried venous allografts. Pratt MF, et al. **Microsurgery** 1985;6(4):211–8

Acute inflammation and endothelial injury in vein grafts. Pearce JE, et al. **Neurosurgery** 1985 Oct;17(4):626–34

A morphometric study of vein graft intimal hyperplasia. Dilley RJ, et al. **Plast Reconstr Surg** 1986 Mar;77(3):451–4

Prevention of vein graft twisting and optimization of its length using a new tunneller. Chiu RC. **Surg Gynecol Obstet** 1985 Dec;161(6):588–90

Hamster vein xenografts for arterial replacements in rats. Jordan BP, et al. **Transplantation** 1985 Nov;40(5):528–30

[Free nerve grafting with simultaneous arterialized vein pedicle transplantation] Gu YD, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Jun;23(6):338–40, 381 (Eng. Abstr.) **(Chi)**

[Paralytic lagophthalmos. A simple procedure of palliative surgery using an autologous venous graft] Goudeau MJ, et al. **Ann Chir Plast Esthet** 1985;30(4):359–62 (Eng. Abstr.) **(Fre)**

[Physical characteristics of stripping veins preserved at 4 degrees C and usable as artery substitutes] Beaudoin G, et al. **J Mal Vasc** 1985;10(2):147–51 (Eng. Abstr.) **(Fre)**

[Stripped veins for secondary vascular access in hemodialysis. Pathologic study of the grafts after surgical excision] Guidoin R, et al. **J Mal Vasc** 1985;10(4):331–42 (Eng. Abstr.) **(Fre)**

[Which factors determine early occlusion of aortocoronary venous transplants? An intraoperative analysis of surgical parameters] Vanscheidt W, et al. **Chirurg** 1986 Jul; 57(7):448–51 (Eng. Abstr.) **(Ger)**

[Growth behavior of microvein and artery grafts] Zwank L, et al. **Handchir Mikrochir Plast Chir** 1985 Nov;17 Suppl:20–4 (Eng. Abstr.) **(Ger)**

[Vein holder for coronary bypass surgery—its particular effectiveness in sequential grafting] Suma H, et al. **Kyobu Geka** 1985 Sep;38(9):710–1 (Eng. Abstr.) **(Jpn)**

[Experimental studies of autologous veingrafts for arterial defect, using fibrin glue] Sugiura K. **Nippon Seikeigeka Gakkai Zasshi** 1985 Nov;59(11):961–71 (Eng. Abstr.) **(Jpn)**

[An experimental study of microarterial grafts to arteries—compared with microvenous grafts] Takai H. **Nippon Seikeigeka Gakkai Zasshi** 1986 Jan;60(1):1–10 (Eng. Abstr.) **(Jpn)**

[Various aspects of treatment of otosclerosis by venous interposition] Pietruski J, et al. **Otolaryngol Pol** 1985; 39(3):220–5 (Eng. Abstr.) **(Pol)**

ULTRASTRUCTURE

Crater formation and endocytosis in human endothelial cells in vitro. Svendsen E, et al. **Atherosclerosis** 1985 Dec; 58(1–3):27–37

Surface-associated vesicles in retinal arterioles and venules. Essner E, et al. **Cell Tissue Res** 1986;245(2):431–7

Perfusion and superfusion fixation effects on rat mesentery microvascular beds. Intravital and electron microscope analyses. Rhodin JA. **J Submicrosc Cytol** 1986 Jul; 18(3):453–70

Comparison of the numbers of plasmalemmal vesicles in arterial and venous endothelia of rats. Ostermann H, et al. **Proc R Soc Lond [Biol]** 1986 Feb 22;227(1246):17–20

VELOCIMETERS see **FLOWMETERS**

VELOCITY METERS see **FLOWMETERS**

VELOPHARYNGEAL INSUFFICIENCY

DIAGNOSIS

The diagnosis of velopharyngeal inadequacy. Dalston RM, et al. **Clin Plast Surg** 1985 Oct;12(4):685–95

Velopharyngeal insufficiency. Hirschberg J. **Folia Phoniatr (Basel)** 1986;38(2–4):221–76 (227 ref.)

Levator muscle reconstruction: resulting velopharyngeal competence—a preliminary report. Coston GN, et al. **Plast Reconstr Surg** 1986 Jun;77(6):911–8

ETIOLOGY

Risks and benefits of adenotonsillectomy for children with Down syndrome. Kavanagh KT, et al. **Am J Ment Defic** 1986 Jul;91(1):22–9

Velopharyngeal insufficiency after adenoidectomy: an 8-year review. Witzel MA, et al. **Int J Pediatr Otorhinolaryngol** 1986 Feb;11(1):15–20

PATHOLOGY

Velopharyngeal insufficiency in children: the variable clinical presentation. Ashkenazi S, et al. **Isr J Med Sci** 1986 Jan; 22(1):51–3

Velopharyngeal inadequacy in the absence of overt cleft palate. Peterson-Falzone SJ. **J Craniofac Genet Dev Biol [Suppl]** 1985;1:97–124

[Velofacial hypoplasia and submucous cleft palate: histologic analogies. A comparative histologic and histomorphometric study of velum musculature] Altermatt HJ, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Jun;65(6):309–13 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Comparison of Tonar II, pressure-flow, and listener judgments of hypernasality in the assessment of velopharyngeal function. Dalston RM, et al. **Cleft Palate J** 1986 Apr;23(2):108–15

Velopharyngeal movement patterns in patients alternating between oral and glottal articulation: a clinical and cineradiographical study. Henningsson GE, et al. **Cleft Palate J** 1986 Jan;23(1):1–9

Unresolved issues in velopharyngeal valving. McWilliams BJ. **Cleft Palate J** 1985 Jan;22(1):29–33

Relation between nasal/voice accelerometric values and interval estimates of hypernasality. Reich AR, et al. **Cleft Palate J** 1985 Oct;22(4):237–45

Methods of assessing speech in relation to velopharyngeal function. Van Demark D, et al. **Cleft Palate J** 1985 Oct; 22(4):281–5

A pressure-flow technique for quantifying temporal patterns of palatopharyngeal closure. Warren DW, et al. **Cleft Palate J** 1985 Jan;22(1):11–9

Functional evaluation of velar insufficiency by means of the rhinomanometric method. Maurizi M, et al. **Rhinology** 1985 Dec;23(4):315–20

RADIOGRAPHY

Velopharyngeal insufficiency on videofluoroscopy: comparison of projections. Stringer DA, et al. **AJR** 1986 Jan;146(1):15–9

SURGERY

Surgical treatment of the residual velopharyngeal insufficiency following velopharyngoplasty. Khitrov FM, et al. **Acta Chir Plast** 1986;28(2):90–5

Correction of lateral port stenosis following a pharyngeal flap operation. Hoffman S. **Cleft Palate J** 1985 Jan; 22(1):51–5

Sphincter pharyngoplasty. Jackson IT. **Clin Plast Surg** 1985 Oct;12(4):711–7

The pharyngeal flap operation. Trier WC. **Clin Plast Surg** 1985 Oct;12(4):697–710

Adult pharyngoplasty for velopharyngeal insufficiency. Younger R, et al. **J Otolaryngol** 1985 Jun;14(3):158–62

[Histopathologic findings in the posterior pharyngeal wall 8 years after treatment of velar insufficiency with Teflon injection] Altermatt HJ, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Nov;64(11):582–5 (Eng. Abstr.) **(Ger)**

[Surgical methods of restoring the palatopharyngeal closure following unsuccessful uranoplasty outcomes] Semenchenko GI, et al. **Stomatologiia (Mosk)** 1986 May–Jun;65(3):51–2 (Eng. Abstr.) **(Rus)**

THERAPY

Obstructive sleep apnea following treatment of velopharyngeal incompetence by Teflon injection. Furlow LT Jr, et al. **Cleft Palate J** 1986 Apr;23(2):153–8

VELUM PALATINUM see **PALATE, SOFT**

VENA CAVA, INFERIOR

Non-Wilms' intravascular masses in childhood [letter] Johnson N, et al. **AJR** 1986 May;146(5):1098

Temporary balloon occlusion of the inferior vena cava for immediate reversal of acute pulmonary edema. Stack RS, et al. **Am J Cardiol** 1986 Apr 1;57(10):886–7

Vascular injury following disc surgery. Dula DJ, et al. **Am J Emerg Med** 1986 Sep;4(5):406–8

Angina pectoris as the initial manifestation of an aortocaval fistula. Gordon JB, et al. **Am J Med** 1986 Mar;80(3):514–6

Resuscitation from bupivacaine-induced cardiovascular toxicity during partial inferior vena cava occlusion. Kasten GW, et al. **Anesth Analg** 1986 Apr;65(4):341–4

Aortocaval fistula: diagnosis and treatment: case studies. Taheri SA, et al. **Angiology** 1986 Apr;37(4):314–8

Arteriovenous fistula following lumbar disc surgery—the use of total cardiopulmonary bypass during repair. Fletcher JP, et al. **Aust NZ J Surg** 1986 Aug;56(8):631–3

Greenfield vena caval filter for management of selected cases of venous thromboembolic disease following hip surgery. A report of five cases. Woolson ST, et al. **Clin Orthop** 1986 Mar;(204):201–6

Spontaneous thrombolysis of a large caval thrombus after insertion of an inferior vena cava filter: diagnosis and follow-up by ultrasound. Puylaert JB, et al. **Diagn Imag Clin Med** 1986;55(3):121–5

Hydrops fetalis associated with inferior vena cava thrombosis. van der Vange N, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Feb;21(2):113–5

Leiomyosarcoma of the inferior vena cava (IVC) with intracardiac extension. Gutierrez O, et al. **Eur J Radiol** 1986 May;6(2):153–5

Transformation of inferior vena caval thrombosis to membranous obstruction in a patient with the lupus anticoagulant. Terabayashi H, et al. **Gastroenterology** 1986 Jul;91(1):219–24

Surgical approach to renal cell carcinoma extending into the right atrium through the inferior vena cava. Puglionisi A, et al. **Int Surg** 1985 Apr–Jun;70(2):159–64

A new technique in the treatment of pulmonary embolism. Milton DT, et al. **J Arkansas Med Soc** 1985 Dec; 82(7):326–9

Inferior venacava obstruction in sickle cell trait [letter] Naik SR. **J Assoc Physicians India** 1985 Nov;33(11):747–8

Ruptured abdominal aortic aneurysm with fistula into the inferior vena cava. Martinussen HJ, et al. **J Cardiovasc Surg (Torino)** 1986 May–Jun;27(3):298–9

Retroperitoneal malignant fibrous histiocytoma presenting with inferior vena caval obstruction. Sarma DP, et al. **J Surg Oncol** 1986 Jul;32(3):153–5

Cancer of the kidney invading the vena cava and heart. Results after 11 years of treatment. Vaislic CD, et al. **J Thorac Cardiovasc Surg** 1986 Apr;91(4):604–9

Transhepatic venous collaterals circumventing inferior vena caval obstruction due to hypernephroma. Burkhalter JL, et al. **J Urol** 1985 Dec;134(6):1188–90

Successful treatment of renal vein and vena caval extension of nephroblastoma by preoperative chemotherapy. Kogan SJ, et al. **J Urol** 1986 Jul;136(1 Pt 2):312–7

Leiomyosarcoma of the inferior vena cava. Case report and review of the literature. Bruyninckx CM, et al. **J Vasc Surg** 1986 Apr;3(4):652–6

Venous thromboembolism to the heart. A case report and review of treatment. Hart GK, et al. **Med J Aust** 1986 Apr 28;144(9):484–7

Echocardiographic findings of renal cell carcinoma extending into the right atrium via the inferior vena cava. Minami K, et al. **Nippon Geka Hokan** 1985 Jul 1;54(4):281–8

Membranous obstruction of the inferior vena cava [letter] Simson IW. **S Afr Med J** 1986 May 10;69(10):601

Use and abuse of intracaval devices [editorial] Greenfield LJ. **Surgery** 1986 Mar;99(3):383–4

Distal migration and deformation of the Greenfield vena cava filter. Sidawy AN, et al. **Surgery** 1986 Mar;99(3):369–72

Preoperative assessment of retroperitoneal pathology by magnetic resonance imaging. Primary leiomyosarcoma of inferior vena cava. Bretan PN Jr, et al. **Urology** 1986 Sep; 28(3):251–5

[Secondary thrombosis of the renal veins in thrombosis of the inferior vena cava] Mushmov D. **Vutr Boles** 1986; 25(1):111–5 (Eng. Abstr.) **(Bul)**

[Real-time ultrasonic diagnosis of metastatic tumor thrombus in the inferior vena cava] He J. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Feb;20(1):31–2 (Eng. Abstr.) **(Chi)**

[Diagnostic and therapeutic approach to the extension of kidney cancer to the vena cava] Ballanger P, et al. **Ann Urol (Paris)** 1986;20(4):280–5 (Eng. Abstr.) **(Fre)**

[The inferior vena cava: anatomic and embryologic study of its malformations] Benoit G, et al. **Ann Urol (Paris)** 1986; 20(1):56–66 (Eng. Abstr.) **(Fre)**

[Renal cancers with venous extension: surgical problems] Beurton D, et al. **Ann Urol (Paris)** 1985;19(6):423–5 (Eng. Abstr.) **(Fre)**

[Compression of the large vessels by a giant diverticulum of the bladder] Colombeau P, et al. **Ann Urol (Paris)** 1985; 19(5):359–62 (Eng. Abstr.) **(Fre)**

[Adenocarcinoma of the kidney with invasion of the inferior vena cava. Apropos of 32 cases] Grasset D, et al. **Ann Urol (Paris)** 1985;19(6):426–8 (Eng. Abstr.) **(Fre)**

[Renal cancers and caval thrombus, prognostic study. Apropos of 25 cases] Guillé F, et al. **Ann Urol (Paris)** 1985; 19(6):433–6 (Eng. Abstr.) **(Fre)**

[Technical approach to excision of renal cancers with venous thrombus extending to the right auricle. Apropos of 4 cases] Jung JL, et al. **Ann Urol (Paris)** 1985;19(6):417–9 (Eng. Abstr.) **(Fre)**

[Inferior vena cava thrombus in nephroblastoma in a child. Diagnostic, surgical and prognostic problems] Orget J, et al. **Ann Urol (Paris)** 1985;19(6):420–2 (Eng. Abstr.) **(Fre)**

[The vena cava in surgery of renal cancer in the adult] Richaud C, et al. **Ann Urol (Paris)** 1985;19(6):413–4 (Eng. Abstr.) **(Fre)**

[Inferior vena cava thromboses in renal cancers. 20 years' experience] Scetbon V, et al. **Ann Urol (Paris)** 1985; 19(6):429–32 (Eng. Abstr.) **(Fre)**

[Leiomyosarcoma of the inferior vena cava] Puglionisi A, et al. **J Chir (Paris)** 1985 Dec;122(12):693–700 (Eng. Abstr.)

(Fre)

[Retraction of the branches of Greenfield's intracaval filter. An indirect sign of thrombosis of the inferior vena cava (letter)] Clement C, et al. **Presse Med** 1985 Oct 5; 14(33):1756 (Fre)

[Spontaneous peroperative rupture of the inferior vena cava in a hydatid cyst of the liver] Kehila M, et al. **Tunis Med** 1985 Jun-Jul;63(6-7):399-402 (Eng. Abstr.) (Fre)

[Retroperitoneal and mediastinal fibrosis with obstruction of the superior and inferior vena cavae] Müller MK, et al. **Internist (Berlin)** 1985 Oct;26(10):657-60 (Ger)

[Thrombosis of the inferior vena cava with successive lung embolization in a 15-year-old boy with nephrotic syndrome] Janda J, et al. **Padiatr Padol** 1986;21(1):69-74 (Eng. Abstr.) (Ger)

[Thrombosis of the inferior vena cava with successive lung embolization in a 15-year-old boy with the nephrotic syndrome] Janda J, et al. **Padiatr Padol** 1986;21(2):177-82 (Eng. Abstr.) (Ger)

[Prosthetic substitution of the inferior vena cava: use of a new material (mitrathane). Short term results] Colli R, et al. **Chir Patol Sper** 1984 Jul;32(3):111-27 (Eng. Abstr.) (Ita)

[Aorto-caval fistulas as complications of aneurysm of the abdominal aorta. Description of 6 clinical cases] Merlo M, et al. **Minerva Chir** 1985 Aug 15-31;40(15-16):1085-9 (Eng. Abstr.) (Ita)

[Rupture of abdominal aorta aneurysms into the inferior vena cava. Our experience] Ponzio F, et al. **Minerva Chir** 1986 Apr 30;41(8):673-5 (Eng. Abstr.) (Ita)

[A case of leiomyosarcoma of the inferior vena cava] Gohji K, et al. **Hinyokika Kiyo** 1985 May;31(5):813-9 (Eng. Abstr.) (Jpn)

[Significance of accessory hepatic venography to evaluate the intrahepatic venous system for obstruction of the inferior vena cava at the hepatic portion with main hepatic vein obstruction] Aoki K, et al. **Nippon Geka Gakkai Zasshi** 1986 Jun;87(6):704 (Jpn)

[A case of inferior vena cava thrombosis associated with cholelithiasis demonstrated by ultrasonic examination] Ishikura Y, et al. **Nippon Geka Gakkai Zasshi** 1986 Jul; 87(7):813-7 (Eng. Abstr.) (Jpn)

[Surgical experience in arteriovenous fistula following disk surgery] Ohhira M, et al. **Nippon Geka Gakkai Zasshi** 1986 Mar;87(3):350-3 (Eng. Abstr.) (Jpn)

[Radical correction of inferior vena cava obstruction with Budd-Chiari syndrome] Kazui T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Jul;33(7):1123-7 (Eng. Abstr.) (Jpn)

[A rare case of aortocaval fistula complicated by thromboembolism of the branches of the pulmonary artery] Grigorian RA, et al. **Grudn Khir** 1985 Sep-Oct;(5):75-6 (Rus)

[Complications following surgical treatment of Budd-Chiari disease] Frantsev VI, et al. **Khirurgiia (Mosk)** 1985 Jul; (7):109-10 (Rus)

ABNORMALITIES

Cyanosis in atrial septal defect due to persistent eustachian valve. Morishita Y, et al. **Ann Thorac Surg** 1985 Dec; 40(6):614-6

Hemiazygous continuation of a left inferior vena cava: misleading radiographic findings in chest trauma. Sanchez FW, et al. **Cardiovasc Intervent Radiol** 1985;8(3):140-2

Tubular shadow in the lung. Azygos lobe with azygos continuation of the inferior vena cava. Pomeranz SJ, et al. **Chest** 1986 Mar;89(3):447-9

Magnetic resonance imaging of systemic venous anomalies. Ellis JH, et al. **Comput Radiol** 1986 Jan-Feb;10(1):15-22

Transfemoral pulmonary artery catheterization with absence of the infrahepatic portion of the inferior vena cava. Pryor RW, et al. **Crit Care Med** 1985 Dec;13(12):1078-9

Congenital portacaval shunt in rats: liver adaptation to lack of portal vein--a light and electron microscopic study. Bioulac-Sage P, et al. **Hepatology** 1985 Nov-Dec; 5(6):1183-9

Anomalous systemic venous drainage--a series of three cases. Arora R, et al. **Indian J Chest Dis Allied Sci** 1984 Jul-Sep; 26(3):188-94

CT study of a case of duplicature of the inferior vena cava. Darras T. **J Belge Radiol** 1985;68(6):440-1

Persistence of the cardinal veins and thrombosis: CT demonstration. Barack BM. **J Comput Assist Tomogr** 1986 Mar-Apr;10(2):327-8

Right periureteric venous ring detected by computed tomography. Sasai K, et al. **J Comput Assist Tomogr** 1986 Mar-Apr;10(2):349-51

Concurrent duplication and azygos continuation of the inferior vena cava. Coscina WF, et al. **J Comput Tomogr** 1986 Jul;10(3):287-90

Prolapsing Chiari malformation in tricuspid regurgitation: a moving filling defect in the inferior vena cava. Lewandowski B, et al. **J Ultrasound Med** 1985 Dec; 4(12):655-8

Duplicated inferior vena cava simulating retroperitoneal lymphadenopathy in a patient with embryonal cell carcinoma of the testicle. Klimberg I, et al. **J Urol** 1986 Sep;136(3):678-9

Unusual clinical presentation of a patient with absent inferior vena cava. Mosli HA, et al. **J Urol** 1985 Nov;134(5):969-71

Klippel-Trenaunay and Sturge-Weber syndromes with renal hemangioma and double inferior vena cava. Schofield D, et al. **J Urol** 1986 Aug;136(2):442-5

Anomalies of the inferior vena cava. Giordano JM, et al. **J Vasc Surg** 1986 Jun;3(6):924-8

Drainage of the inferior vena cava to the left atrium. Sanchez HE, et al. **Pediatr Cardiol** 1986;6(4):207-9

Anastomosis of systemic veins to pulmonary arteries for physiologic repair of asplenia syndrome. Waldman JD, et al. **Pediatr Cardiol** 1986;6(6):327-30

Anomalous insertion of the inferior vena cava in the portal vein. Meyerhoff K, et al. **Radiat Med** 1985 Oct-Dec; 3(4):181-6

[Anomalies of the inferior vena cava. 2 case reports] Koen FR, et al. **S Afr Med J** 1986 Jan 4;69(1):69-70 (Eng. Abstr.) (Afr)

[Congenital anomalies of the renal and infrarenal segments of the inferior vena cava] Dumas JP, et al. **Ann Urol (Paris)** 1986;20(2):123-8 (Eng. Abstr.) (Fre)

[Left-sided inferior vena cava: source of peroperative difficulties in nephrectomy of a horseshoe kidney with pyonephrosis] Fourcade RO, et al. **Ann Urol (Paris)** 1985; 19(5):349-50 (Eng. Abstr.) (Fre)

[Inferior vena caval return to the left atrium with intact interauricular septum. Apropos of 2 cases surgically treated with success] Chantepie A, et al. **Arch Mal Coeur** 1986 May;79(5):684-91 (Eng. Abstr.) (Fre)

[Direct surgical treatment of congenital occlusions of the retrohepatic inferior vena cava. Apropos of 3 cases] Laurian C, et al. **Chirurgie** 1985;111(6):429-37 (Eng. Abstr.) (Fre)

[Congenital agenesis of the inferior vena cava. Apropos of a case presenting as an ilio-femoral phlebitis. Contribution of echography and x-ray computed tomography] Manouvrier J, et al. **J Mal Vasc** 1985;10(3):235-9 (Eng. Abstr.) (Fre)

[Left inferior vena cava. Ultrasonic diagnosis] Ollier P, et al. **J Radiol** 1986 Feb;67(2):145-7 (Eng. Abstr.) (Fre)

[Re-surgical correction of a case of partial anomalous pulmonary venous drainage of the right inferior pulmonary vein into the right atrium with azygos continuation of the inferior vena cava] Inaoka M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Jul;33(7):1091-5 (Eng. Abstr.) (Jpn)

[Interruption of the inferior vena cava with azygos continuation] Ohsaki Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Jun; 23(6):709-14 (Eng. Abstr.) (Jpn)

[Roentgenologic appearance of left-sided inferior vena cava] Sasaki F, et al. **Rinsho Hoshasen** 1985 Nov;30(12):1441-6 (Eng. Abstr.) (Jpn)

ANATOMY & HISTOLOGY

Echocardiographic anatomy of the eustachian valve. Limacher MC, et al. **Am J Cardiol** 1986 Feb 1;57(4):363-5

DRUG EFFECTS

Receptor-mediated effects of serotonin and 5-methoxytryptamine on noradrenaline release in the rat vena cava and in the heart of the pithed rat. Göthert M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Feb; 332(2):124-30

INJURIES

Injuries of the inferior vena cava. Stewart MT, et al. **Am Surg** 1986 Jan;52(1):9-13

Nonoperative control of retroperitoneal hemorrhage secondary to placement of an inferior vena cava occluding device in a patient with recurrent pulmonary emboli. Pridjian AK, et al. **Ann Thorac Surg** 1986 Mar;41(3):329-31

A fatal pulmonary embolus composed of gross liver tissue. Voitk AJ, et al. **Can J Surg** 1986 May;29(3):218-9

Traumatic aortocaval fistula presenting as atypical chest pain. Marx M, et al. **Cardiovasc Intervent Radiol** 1986;9(1):17-8

Natural history of untreated inferior vena cava injury and assessment of venous access. Posner MC, et al. **J Trauma** 1986 Aug;26(8):698-701

The management of juxtahepatic venous injuries without an atriocaval shunt: preliminary clinical observations. Pachter HL, et al. **Surgery** 1986 May;99(5):569-75

[Wound of the inferior vena cava] Shatsillo OI. **Vestn Khir** 1986 Feb;136(2):75-6 (Rus)

PATHOLOGY

Unusual hepatic venous drainage in inferior vena cava obstruction: demonstration by MRI. Guinet C, et al. **AJR** 1986 Sep;147(3):635-6

Diagnosis and treatment of the inferior vena cava syndrome in advanced malignant disease. Hartley JW, et al. **Am J Surg** 1986 Jul;152(1):70-4

Intravenous leiomyomatosis of the pelvis with reextension into the heart. Shida T, et al. **Ann Thorac Surg** 1986 Jul; 42(1):104-6

The case of the bulging Bulgarian. Halpern Z, et al. **Br J Radiol** 1986 Feb;59(698):187-8

Calcified thrombus of the inferior vena cava in transposition of the great vessels. Velasquez G, et al. **Cardiovasc Intervent Radiol** 1986;9(1):19-21

"Downhill" esophageal varices and occlusion of superior and inferior vena cavas due to a systemic venulitis. Maton PN, et al. **J Clin Gastroenterol** 1985 Aug;7(4):331-7

Idiopathic obstruction of the inferior vena cava: a review. Benbow EW. **J R Soc Med** 1986 Feb;79(2):105-8 (35 ref.)

Cancer of the kidney invading the vena cava and heart. Results after 11 years of treatment. Vasilic CD, et al. **J Thorac Cardiovasc Surg** 1986 Apr;91(4):604-9

Complete extrinsic occlusion of the inferior vena cava by renal cell carcinoma. Lizza EF, et al. **W Va Med J** 1986 Feb;82(2):23-5

[Resection of the inferior vena cava and tumor of the excretory duct: diagnostic and prognostic problems] Doré B, et al. **Ann Urol (Paris)** 1986;20(1):67-9 (Eng. Abstr.) (Fre)

[Treatment of renal cancer extending supradiaphragmatically with fibrinolytics following surgery under extracorporeal circulation, hypothermia and circulatory arrest] Le Duc A, et al. **Ann Urol (Paris)** 1986;20(1):70-1 (Eng. Abstr.) (Fre)

[Sonographic detection of thromboses of the renal veins and vena cava in adenocarcinoma of the kidney] Hofmann R, et al. **Ultraschall Med** 1985 Dec;6(6):312-5 (Eng. Abstr.) (Ger)

[Extended radical nephrectomy in renal carcinoma involving the inferior vena cava: a case report] Ariyoshi A, et al. **Hinyokika Kiyo** 1985 May;31(5):821-5 (Eng. Abstr.) (Jpn)

[Adult adrenal neuroblastoma with venous involvement] Yashiro N, et al. **Rinsho Hoshasen** 1985 Sep;30(9):1029-31 (Eng. Abstr.) (Jpn)

PHYSIOLOGY

Renal overflow of noradrenaline and dopamine to plasma during hindquarter compression and thoracic inferior vena cava obstruction in the dog. Bradley T, et al. **Acta Physiol Scand** 1986 Jul;127(3):305-12

Ultrasonic assessment of abdominal venous return. II. Volume blood flow in the inferior vena cava and portal vein. Smith HJ, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Jan-Feb;27(1):23-7

Ultrasonic assessment of abdominal venous return. I. Effect of cardiac action and respiration on mean velocity pattern, cross-sectional area and flow in the inferior vena cava and portal vein. Smith HJ, et al. **Acta Radiol [Diagn] (Stockh)** 1985 Sep-Oct;26(5):581-8

Effect of vasopressin antagonist on water excretion in inferior vena cava constriction. Ishikawa S, et al. **Kidney Int** 1986 Jul;30(1):49-55

5-Carboxamidotryptamine: a potent agonist mediating relaxation and elevation of cyclic AMP in the isolated neonatal porcine vena cava. Trevethick MA, et al. **Life Sci** 1986 Apr 21;38(16):1521-8

PHYSIOPATHOLOGY

Diagnosis of tricuspid insufficiency by Doppler flowmetry in the inferior vena cava. A comparison with right ventricular angiography. Smith HJ. **Acta Radiol [Diagn] (Stockh)** 1986 Mar-Apr;27(2):183-7

Spontaneous echographic contrast in the inferior vena cava. Meltzer RS, et al. **Am Heart J** 1985 Oct;110(4):826-30

Ganglionic blockade in conscious dogs with chronic caval constriction. Sweet WD, et al. **Am J Physiol** 1985 Nov; 249(5 Pt 2):H1038-44

[Relation between changes in the diameter of both the inferior vena cava or the aorta and pulmonary edema in an animal experiment. IV. Hemodynamic changes in stenosis of the abdominal aorta below the branching of the renal arteries and after induction of pulmonary edema in acute and chronic experiments] Cicha J, et al. **Sb Lek** 1986 Feb; 88(2):56-61 (Eng. Abstr.) (Cze)

[Relation between changes in the diameter of both the inferior vena cava or the aorta and pulmonary edema in an animal experiment. II. Hemodynamic changes in complete occlusion of the inferior vena cava under or between the branching of the renal veins in induced pulmonary edema in a chronic experiment in rabbits] Cicha J, et al. **Sb Lek** 1986 Feb;88(2):47-50 (Eng. Abstr.) (Cze)

[Relation between changes in the diameter of both the inferior vena cava or the aorta and pulmonary edema in an animal experiment. III. Hemodynamic changes in partial or complete occlusion of the inferior vena cava below the branching of the renal veins and after induction of pulmonary edema in acute and chronic experiments] Kohlíková E, et al. **Sb Lek** 1986 Feb;88(2):51-5 (Eng. Abstr.) (Cze)

[Relation between the changes in the diameters of the inferior vena cava or the aorta and pulmona. y edema in an animal experiment. I. Hemodynamic changes during complete occlusion of the inferior vena cava under or between the renal veins in rabbits in an acute experiment after induction of pulmonary edema] Kohlíková E, et al. **Sb Lek** 1986 Jan; 88(1):8-12 (Eng. Abstr.) (Cze)

[Responsibility of the left renal vein and inferior vena cava in certain cases of myelitis and syringomyelia. Value of ligation of the venous reno-spinal trunk. Apropos of 30 cases] Frantz P, et al. **Ann Urol (Paris)** 1986;20(2):137-41 (Eng. Abstr.) (Fre)

RADIOGRAPHY

Retroperitoneal fibrosis with large-vessel obstruction. An uncommon vascular disorder. Mathew CV, et al. **Acta Chir Scand** 1985;151(5):475-80

Diagnosis of spontaneous aorto-caval fistula by computed

tomography. Clements R, et al. **Br J Radiol** 1986 Apr; 59(700):403–4
Radiological diagnosis of leiomyosarcoma of the inferior vena cava. Lok AS, et al. **Clin Radiol** 1986 Jul;37(4):403–5
Retrocaval lymphadenopathy mimicking tumor thrombus in the inferior vena cava. Ling D, et al. **Comput Radiol** 1985 Nov–Dec;9(6):373–6
Septic thrombosis of the inferior caval vein detected with the aid of computed tomography. Bureš J, et al. **Cor Vasa** 1985;27(4):319–22
Contribution of cavography to diagnostics of urological diseases. Kotula V. **Czech Med** 1985;8(4):237–44
CT demonstration of calcified post-thrombotic inferior vena cava. Feldberg MA, et al. **Diagn Imag Clin Med** 1986; 55(3):164–7
The inferior vena caval pseudo thrombus sign: diagnosis by dynamic CT after arm vein injection. Mukai J, et al. **J Can Assoc Radiol** 1985 Sep;36(3):250–3
Bronchogenic cavoatrial tumor thrombus: CT demonstration. Borts FT, et al. **J Comput Assist Tomogr** 1985 Nov–Dec; 9(6):1115–7
Inferior vena caval filters: noninvasive evaluation. Liu GC, et al. **Radiology** 1986 Aug;160(2):521–4
[Value of x-ray computed tomography in the study of the inferior vena cava in urologic practice] Barré C, et al. **Ann Urol (Paris)** 1985;19(6):409–12 (Eng. Abstr.) **(Fre)**
[Obstruction of the inferior vena cava and varicocele] Bitker MO, et al. **Ann Urol (Paris)** 1986;20(1):72–4 (Eng. Abstr.) **(Fre)**
[Radiological exploration of the inferior vena cava in nephroepithelioma] Wenger JJ, et al. **Ann Urol (Paris)** 1986; 20(2):142–5 (Eng. Abstr.) **(Fre)**
[Value of digital subtraction angiography in the study of the suprarenal inferior vena cava and its visceral branches (letter)] Melki JP, et al. **Presse Med** 1985 Dec 14; 14(43):2195–6 **(Fre)**
[Calcification of the inferior vena cava imitates an aortic aneurysm] Kopp W, et al. **ROFO** 1985 Nov;143(5):592–3 **(Ger)**
[Association of Budd-Chiari syndrome with vena cava inferior occlusion verified by sonography and cavography] Nagy F, et al. **Orv Hetil** 1986 Jun 15;127(24):1443–4, 1447–50 (Eng. Abstr.) **(Hun)**
[Inferior vena caval angiography: a new angiographic method for evaluating tricuspid regurgitation] Okumachi F, et al. **J Cardiogr** 1984 Dec;14(4):743–9 (Eng. Abstr.) **(Jpn)**
[Non-invasive methods of evaluating the patency of portacaval anastomosis] Pacho R, et al. **Pol Przegl Radiol (Warszawa)** 1985 Mar–Apr;49(2):121–4 (Eng. Abstr.) **(Pol)**

RADIONUCLIDE IMAGING

Visualization of inferior vena cava reflux during ECG-gated krypton-81m study. Georges B, et al. **Clin Nucl Med** 1985 Sep;10(9):660–2
Hepatic localization of Tc-99m MAA in inferior vena cava obstruction. Vea HW, et al. **Clin Nucl Med** 1985 Nov; 10(11):772–6
[Reflux to the inferior vena cava observed on radionuclide angiography] Kinoshita S. **Rinsho Hoshasen** 1986 May; 31(5):633–4 **(Jpn)**

SURGERY

Venous haemodynamics in the legs after ligation of the inferior vena cava. Perhoniemi V, et al. **Acta Chir Scand** 1986 Jan;152:23–7
Possible complication of percutaneous femoral introduction of Kimray-Greenfield filter [letter] Baumstark AE. **AJR** 1986 Feb;146(2):424–5
Dilatation of mesocaval shunts. Cope C. **Ann Radiol (Paris)** 1986;29(2):178–80
Neonatal inferior vena cava and renal venous thrombosis treated by thrombectomy and nephrectomy. Clark AG, et al. **Arch Dis Child** 1985 Nov;60(11):1076–7
Surgical prophylaxis of pulmonary embolism. Kempczinski RF. **Chest** 1986 May;89(5 Suppl):384S–388S
Surgical management of renal cell carcinoma with vena cava tumor thrombus. Giuliani L, et al. **Eur Urol** 1986; 12(3):145–50
Comparison of fibrinolytic treatment with interruption of the inferior caval vein in the prevention of pulmonary embolism. Haissaguerre M, et al. **Ist J Cardiol** 1986 Aug; 12(2):213–21
Veno-venous bypass without heparin in orthotopic liver allotransplantation in the pig. De Carlis L, et al. **Int Surg** 1986 Apr-Jun;71(2):76–8
Treatment of Budd-Chiari syndrome by dorsocranial liver resection and direct hepatoatrial anastomosis. Bansky G, et al. **J Hepatol** 1986;2(1):101–12
The portacaval and splenocaval shunt in the normal rat. A morphometric and functional reevaluation. Schröder R, et al. **J Hepatol** 1985;1(2):107–23
Retrohepatic cavoatrial bypass for coarctation of inferior vena cava with a polytetrafluoroethylene graft. Victor S, et al. **J Thorac Cardiovasc Surg** 1986 Jan;91(1):99–105
Surgical management of renal cell carcinoma with inferior vena caval and right atrial involvement. Muraguchi T, et al. **Jpn J Surg** 1985 Sep;15(5):399–404
A simple rapid technique for vena cava clip replacement. Miller CM, et al. **Surg Gynecol Obstet** 1986 Jan;162(1):54–5
Portal versus caval venous drainage of small bowel allografts: technical and metabolic consequences. Schraut WH, et al. **Surgery** 1986 Feb;99(2):193–8
Cuff technique for orthotopic liver transplantation in the rat. A simplified method for the suprahepatic vena cava anastomosis. Settaf A, et al. **Transplantation** 1986 Sep; 42(3):330–1
Surgery of renal cancer with extensive caval invasion. Suggestion for a new approach. Andréen T, et al. **Ups J Med Sci** 1985;90(2):107–14
Technique for removal of renal cell carcinoma with suprahepatic vena caval tumor thrombus. Marshall FF, et al. **Urol Clin North Am** 1986 Aug;13(3):551–7
[The removal of a renal carcinoma and carcinomatous thrombus in the inferior vena cava. A case report] Zhang SX, et al. **Sou Chuan I Hsueh Yuan Hsueh Pao** 1985 Jun; 16(2):170–2 (Eng. Abstr.) **(Chi)**
[Mesentericocaval anastomosis with interposed polytetrafluoroethylene. 15 cases controlled by x-ray computed tomography] Legroux P, et al. **Ann Chir** 1985 Sep;39(6):351–6 (Eng. Abstr.) **(Fre)**
[Treatment of neoplastic thromboses of the inferior vena cava secondary to adenocarcinomas of the kidney. Study of 40 cases] Chatelain C, et al. **Ann Urol (Paris)** 1986;20(2):129–35 (Eng. Abstr.) **(Fre)**
[Exploration and retro- and subhepatic approach to the inferior vena cava] Duclos JM. **Ann Urol (Paris)** 1986; 20(2):121–2 (Eng. Abstr.) **(Fre)**
[Tumors of the inferior vena cava. Diagnosis and treatment. Apropos of a case with review of the literature] Pélissier E, et al. **Chirurgie** 1985;111(8):641–9 (Eng. Abstr.) **(Fre)**
[Aneurysms of the abdominal aorta. Fissures in the vena cava. Apropos of 4 cases] Ribal JP, et al. **J Chir (Paris)** 1985 Aug–Sep;122(8–9):443–6 (Eng. Abstr.) **(Fre)**
[Exposure of the retro-hepatic inferior vena cava by the left approach] Laurian C. **Presse Med** 1986 Apr 12; 15(15):709–10 (Eng. Abstr.) **(Fre)**
[Caval interruption operations for prevention of lung embolism] Alemany J, et al. **Zentralbl Chir** 1985; 110(24):1507–14 (Eng. Abstr.) **(Ger)**
[Prosthetic replacement of the suprarenal inferior vena cava: experimental model] Di Giovanni V, et al. **Chir Patol Sper** 1984 Apr;32(2):47–60 (Eng. Abstr.) **(Ita)**
[Cavoatrial bypass in obstruction of the inferior vena cava in the hepatic portion through the posterior route of the hepatic caudate lobe] Aoki K, et al. **Nippon Geka Gakkai Zasshi** 1986 Jan;87(1):118–23 (Eng. Abstr.) **(Jpn)**
[A case of surgical correction of the inferior vena cava obstruction with Budd-Chiari syndrome] Yaku H, et al. **Nippon Geka Gakkai Zasshi** 1985 Aug;86(8):948–52 (Eng. Abstr.) **(Jpn)**
[Collateral venous circulation after partial resection of the inferior vena cava in a patient with renal cancer] Fryczowski M, et al. **Pol Przegl Radiol (Warszawa)** 1985 Mar–Apr;49(2):149–51 (Eng. Abstr.) **(Pol)**

TRANSPLANTATION

Collagens, laminin, fibronectin, and cytoskeletal composition of cells in syngeneic aortal vein grafts in the rat. Stenman S, et al. **Res Exp Med (Berl)** 1985;185(5):355–66

VENA CAVA, SUPERIOR

see related
SUPERIOR VENA CAVA SYNDROME

Central venous access with occlusive superior central venous thrombosis. Torosian MH, et al. **Ann Surg** 1986 Jan; 203(1):30–3
Suppurative thrombosis of the superior vena cava: a lethal complication of central venous catheters. Ratcliffe FM. **Intensive Care Med** 1985;11(5):265–6
The wandering central venous catheter. An unusual case of catheter displacement. Sigurdsson J, et al. **Intensive Care Med** 1985;11(5):263–4
Extension of renal cell carcinoma into the vena cava: clinical review and surgical approach. Pritchett TR, et al. **J Urol** 1986 Mar;135(3):460–4
Major venous thrombosis in patients with indwelling venous access catheters. Stricker PD, et al. **Med J Aust** 1986 May 26;144(11):601–3
Central venous septic thrombophlebitis—the role of medical therapy. Verghese A, et al. **Medicine (Baltimore)** 1985 Nov; 64(6):394–400
[An unusual complication of jugular catheterization in the infant] Cinquin AM, et al. **Pediatrie** 1985 Mar;40(2):123–8 (Eng. Abstr.) **(Fre)**
[Thoracic complications caused by catheterization of the superior vena cava system] Gamain J, et al. **Phlebologie** 1985 Oct–Dec;38(4):639–42 (Eng. Abstr.) **(Fre)**
[Pericardial tamponade: a rare but severe complication of a vena cava catheter. Case report] Jürs G, et al. **Anaesthesist** 1985 Dec;34(12):690–3 (Eng. Abstr.) **(Ger)**
[Retroperitoneal and mediastinal fibrosis with obstruction of the superior and inferior vena cavae] Müller MK, et al. **Internist (Berlin)** 1985 Oct;26(10):657–60 **(Ger)**
[Malignant hemangioendothelioma of the superior vena cava] Egorov VP. **Arkh Patol** 1986;48(7):76–8 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Persistent left superior vena cava: localization of site of ectopic atrial pacemaker and associated atrioventricular accessory pathway. O'Callaghan WG, et al. **Am Heart J** 1986 Jun;111(6):1200–2
Dual-chamber transvenous pacemaker implantation via anomalous left superior vena cava. Zardo F, et al. **Am Heart J** 1986 Sep;112(3):621–2
A case of double superior vena cava and classification of Japanese cases reported. Yoshida K. **Anat Anz** 1986; 161(5):397–403
Early and late results of repair of partial anomalous pulmonary venous connection to the superior vena cava with a pericardial baffle. Stewart S, et al. **Ann Thorac Surg** 1986 May;41(5):498–501
Surgical correction of isolated persistent left superior vena cava draining to left atrium in a neonate. Sibley YD, et al. **Br Heart J** 1986 Jun;55(6):605–6
Indirect radiographic and angiographic signs of isolated left superior vena cava in congenital heart disease. Murzi B, et al. **Cardiovasc Intervent Radiol** 1985;8(3):131–3
Persistent left superior vena cava in a man with ventricular fibrillation. Huang SK. **Chest** 1986 Jan;89(1):155–7
Superior vena caval abnormalities: their occurrence rate, associated cardiac abnormalities and angiographic classification in a paediatric population with congenital heart disease. Buirski G, et al. **Clin Radiol** 1986 Mar; 37(2):131–8
Magnetic resonance imaging of systemic venous anomalies. Ellis JH, et al. **Comput Radiol** 1986 Jan–Feb;10(1):15–22
A case of absent right superior vena cava with persistent left superior vena cava: cross-sectional echocardiographic diagnosis. Oguni H, et al. **Heart Vessels** 1985 Nov; 1(4):239–43
Anomalous systemic venous drainage—a series of three cases. Arora R, et al. **Indian J Chest Dis Allied Sci** 1984 Jul–Sep; 26(3):188–94
Persistent left superior vena cava communicating with the left atrium through a systemic-pulmonary venous malformation. Looyenga DS, et al. **J Am Coll Cardiol** 1986 Sep;8(3):621–6
The "broken ring" sign in magnetic resonance imaging of partial anomalous pulmonary venous connection to the superior vena cava. Julsrud PR, et al. **Mayo Clin Proc** 1985 Dec;60(12):874–9
Atrial pacing via unilateral persistent left superior vena cava. Robbens EJ, et al. **PACE** 1986 Jul;9(4):594–6
Persistent left superior vena cava with special reference on echocardiographic finding. Cherng WJ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Mar;85(3):239–48
[Persistent left superior vena cava draining into the coronary sinus diagnosed by contrast echocardiography: a case report] Zhang HJ. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1985 Jun; 13(2):119–20 **(Chi)**
[Unremarkable heart and mediastinal configuration in a newborn infant with totally anomalous pulmonary venous anastomosis to the superior vena cava] Wessel A, et al. **Monatsschr Kinderheilkd** 1985 Sep;133(9):698–700 (Eng. Abstr.) **(Ger)**
[Anomalous drainage of the right superior vena cava into the left atrium associated with sinus venosus-atrial septal defect—report of a case of successful surgical repair] Togo T, et al. **Kyobu Geka** 1986 May;39(5):402–5 (Eng. Abstr.) **(Jpn)**
[A successful case of partial anomalous pulmonary venous connection of the left superior lobe, right superior and middle lobes] Sasaki S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Aug;33(8):1250–4 (Eng. Abstr.) **(Jpn)**
[A surgical experience in coronary sinus-atrial septal defect with coronary sinus defect and termination of the left superior vena cava in the left atrium] Takahashi K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Nov; 33(11):2155–61 (Eng. Abstr.) **(Jpn)**
[Rare case of several combined congenital and acquired heart defects corrected simultaneously under general moderate hypothermia] Bogoev DN, et al. **Grudn Khir** 1985 Nov–Dec;(6):83–4 **(Rus)**
[Total anomalous drainage of the pulmonary veins into the vena cava superior] Alekian BG, et al. **Vestn Rentgenol Radiol** 1985 Nov–Dec;(6):83–5 **(Rus)**
[Single atrium, persistence of the left superior vena cava, vertebral blocks and hare-lip. Presentation of a case] García Fernández F, et al. **Rev Esp Cardiol** 1985 Sep–Oct; 38(5):372–4 (Eng. Abstr.) **(Spa)**

ANALYSIS

Pseudodilatation of the ascending aorta as a manifestation of absence of the right superior vena cava. Stark P, et al. **ROFO** 1986 May;144(5):609–10

INJURIES

A late complication of Hickman right atrial catheter [letter] Adami GF, et al. **Haematologica (Pavia)** 1985 Jul–Aug; 70(4):371
[Pleural effusion and central venous catheterization (6 cases)] Dru M, et al. **Minerva Anestesiol** 1986 Mar–Apr; 52(3–4):91–6 (Eng. Abstr.) **(Ita)**

PATHOLOGY

MRI evaluation of mediastinal and thoracic inlet venous obstruction. Weinreb JC, et al. **AJR** 1986 Apr; 146(4):679–84

Leiomyosarcoma of the superior vena cava: diagnosis by cardiac gated MR. Lupetin AR, et al. **Cardiovasc Intervent Radiol** 1986;9(2):103–5

Complications of right heart catheterization. A prospective autopsy study. Connors AF Jr, et al. **Chest** 1985 Oct; 88(4):567–72

[Intracaval and intraatrial growth of thymoma: report of a long-surviving case] Fujio A, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Aug; 23(8):934–9 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Superior vena caval blood flow velocities in adults: a Doppler echocardiographic study. Cohen ML, et al. **J Appl Physiol** 1986 Jul;61(1):215–9

RADIOGRAPHY

Impending catheter perforation of superior vena cava: radiographic recognition. Tocino IM, et al. **AJR** 1986 Mar; 146(3):487–90

Evaluation of the superior vena cava system in children with digital subtraction angiography. Pariente D, et al. **Ann Radiol (Paris)** 1986;29(3–4):321–5 **(Eng, Fre)**

The role of venography and surgery in the management of patients with superior vena cava obstruction. Stanford W, et al. **Ann Thorac Surg** 1986 Feb;41(2):158–63

Computed tomography of the superior vena cava. Raptopoulos V. **CRC Crit Rev Diagn Imaging** 1986; 25(4):373–429 (130 ref.)

RADIONUCLIDE IMAGING

Discordant findings in technetium-99m pertechnetate and iodine-123 thyroid imaging caused by vascular retention in the superior vena cava. Burke TS, et al. **Clin Nucl Med** 1985 Oct;10(10):716–8

Dynamic process captured on a single image: an approach to screening for abnormal superior vena caval flow. Simon TR, et al. **J Nucl Med** 1986 Jun;27(6):838–41

Traumatic aorta–vena cava fistula detected with radionuclide angiocardiography. A case report. Theron HD, et al. **S Afr Med J** 1985 Sep 28;68(7):489–90

SURGERY

Evaluation of total cavopulmonary shunt operation for single ventricle with common atrioventricular valve and left isomerism. Matsuda H, et al. **Am J Cardiol** 1986 Jul 1; 58(1):180–2

Combined superior and right lateral left atriotomy with division of the superior vena cava for exposure of the mitral valve. Barner HB. **Ann Thorac Surg** 1985 Oct;40(4):365–7

Surgical treatment of renal cell carcinoma extending as a tumor thrombus into the superior vena cava: a case report. Voegele LD, et al. **J SC Med Assoc** 1986 May;82(5):347–9

Experimental superior vena caval placement of the Greenfield filter. Langham MR Jr, et al. **J Vasc Surg** 1985 Nov;2(6):794–8

Polyurethane sheath disintegration causing impaction of pacer lead and shock during attempted removal. Hubbell DS, et al. **PACE** 1986 Jul;9(4):527–30

The use of synthetic absorbable suture materials (polyglycolic acid and polydioxanone) in the low pressure circulatory system of growing organisms. Töns C, et al. **Thorac Cardiovasc Surg** 1986 Apr;34(2):128–31

[Our experience with surgery of the superior vena cava] Bergeron P, et al. **Ann Chir** 1985 Oct;39(7):485–91 (Eng. Abstr.) **(Fre)**

[Our experience with the treatment of obstruction of the superior vena cava] Biglioli P, et al. **Ann Chir** 1985 Oct; 39(7):500–7 **(Fre)**

[Superior vena cava compression syndrome. Analysis of 3 cases of surgical decompression] Boumghar M. **Ann Chir** 1985 Oct;39(7):507–11 (Eng. Abstr.) **(Fre)**

[Replacement of the superior vena cava by a dacron–pericardium bioprosthesis. An experimental study] Fournial G, et al. **Ann Chir** 1985 Oct;39(7):511–4 (Eng. Abstr.) **(Fre)**

[Superior vena cava compression syndrome. Our experience apropos of 26 cases] Herreros J, et al. **Ann Chir** 1985 Oct; 39(7):495–500 (Eng. Abstr.) **(Fre)**

[Long-term patency after jugulo- or cavoatrial shunt in the infant, using a polytetrafluoroethylene prosthesis] el Kirat M, et al. **Ann Chir** 1985 Oct;39(7):448–52 (Eng. Abstr.) **(Fre)**

[Reconstruction of the superior vena cava: 15 years' experience using various types of prosthetic material] Ricci C, et al. **Ann Chir** 1985 Oct;39(7):492–5 (Eng. Abstr.) **(Fre)**

[Simultaneous right ventricular reconstruction and the Glenn procedure for pulmonary atresia with intact ventricular septum] Nakae S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Dec; 33(12):2226–34 (Eng. Abstr.) **(Jpn)**

VENAE CAVAE

Human smooth muscle cells of the aorta and vena cava: different sensitivity to the inhibition of proliferation by heparin in vitro. Thilo-Körner DG, et al. **Klin Wochenschr** 1985 Aug 1;63(15):702–5

Unilateral pyonephrosis with septic thrombosis of the renal vein and vena cava. Eijsten A, et al. **Urol Int** 1986; 41(1):77–9

[Aorto–iliocaval fistula caused by rupture of an aneurysm. Apropos of 3 cases] Glock Y, et al. **J Chir (Paris)** 1986 May;123(5):338–42 (Eng. Abstr.) **(Fre)**

[Aortocaval fistula secondary to rupture of abdominal aortic aneurysm; report of two cases] Sakauchi M, et al. **Nippon Geka Gakkai Zasshi** 1985 Oct;86(10):1456–61 (Eng. Abstr.) **(Jpn)**

ABNORMALITIES

CT guidelines for the identification of the anomalies of the caval venous system. Pistolesi GF, et al. **J Belge Radiol** 1985;68(5):329–40

[Glucose intolerance and post-stimulatory hypoglycemia secondary to a probably congenital intrahepatic portacaval anastomosis] Duprey J, et al. **Ann Med Interne (Paris)** 1985; 136(8):655–8 (Eng. Abstr.) **(Fre)**

PATHOLOGY

[Does the presence of a thrombus in the renal vein and in the vena cava modify the prognosis of renal adenocarcinoma? Our experience] Escudero Barrilero A, et al. **Actas Urol Esp** 1985 Jul–Aug;9(4):289–98 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

CT evaluation of Kimray-Greenfield filter complications. Miller CL, et al. **AJR** 1986 Jul;147(1):45–50

SURGERY

A simplified method for the occlusion of the venae cavae during cardiopulmonary bypass. Sadeghi AM, et al. **Ann Thorac Surg** 1986 Jun;41(6):678

Vascular anastomoses with laser energy. McCarthy WJ, et al. **J Vasc Surg** 1986 Jan;3(1):32–41

[Vena cava tourniquet clamp unnecessary to tape around] Asao M, et al. **Kyobu Geka** 1986 Apr;39(4):290–1 (Eng. Abstr.) **(Jpn)**

[Experimental studies of Gore-Tex prostheses. A review of the literature] Solski L. **Polim Med** 1985;15(3–4):67–77 (13 ref.) (Eng. Abstr.) **(Pol)**

VENEREAL DISEASES

Sexually transmitted disease and the pediatrician [editorial] Blumberg RW. **Am J Dis Child** 1985 Dec;139(12):1186

Medical sequelae of unorthodox sexual behaviour. Black JS. **Aust Fam Physician** 1986 Jan;15(1):20–2, 24

Sexually transmissible diseases: an overview. Bradford DL. **Aust Fam Physician** 1986 Mar;15(3):236–40

Proceedings of the 234th meeting of the Netherlands Society of Dermatology and Venereology. Rotterdam, 8 June 1985. Abstracts. **Br J Dermatol** 1986 Jun;114(6):717–28

Sexually transmitted diseases. Kalter DC, et al. **Emerg Med Clin North Am** 1985 Nov;3(4):693–716 (58 ref.)

Confidentiality, the law in England, and sexually transmitted diseases. Talbot MD. **Genitourin Med** 1986 Aug;62(4):270–6

Venereal disease awareness among teenagers in Nigeria. Owie I. **J R Soc Health** 1985 Aug;105(4):144–6

Leads from the MMWR. Heterosexual transmission of human T-lymphotropic virus type III/lymphadenopathy-associated virus. **JAMA** 1985 Oct 18;254(15):2051–2

Hepatitis B virus transmission between heterosexuals. Alter MJ, et al. **JAMA** 1986 Sep 12;256(10):1307–10

Sex and the singles' whirl: the quantum dynamics of hepatitis B [editorial] Dan BB. **JAMA** 1986 Sep 12;256(10):1344

Sexually transmitted diseases may reverse the 'revolution' [news] Goldsmith MF. **JAMA** 1986 Apr 4;255(13):1665–7, 1672

As STD research grows, resource needs rise [news] Goldsmith MF. **JAMA** 1986 Apr 4;255(13):1668, 1671–2

Heterosexually acquired HTLV-III/LAV disease (AIDS-related complex and AIDS). Epidemiologic evidence for female-to-male transmission. Redfield RR, et al. **JAMA** 1985 Oct 18;254(15):2094–6

Heterosexual contact is not the predominant mode of HTLV-III transmission among intravenous drug abusers [letter] Tirelli U, et al. **JAMA** 1986 May 2;255(17):2289

Potential for transmission of AIDS-associated retrovirus from bisexual men in San Francisco to their female sexual contacts [letter] Winkelstein W Jr, et al. **JAMA** 1986 Feb 21;255(7):901

Transmission of HTLV-III infection by heterosexual contact [letter] Luzi G, et al. **Lancet** 1985 Nov 2;2(8462):1018

LAV/HTLV-III infection in female prostitutes [letter] Papaevangelou G, et al. **Lancet** 1985 Nov 2;2(8462):1018

Female-to-male transmission of AIDS agent [letter] Wykoff RF. **Lancet** 1985 Nov 2;2(8462):1017–8

[Sexually transmitted diseases] **AMB** 1985 Sep–Oct; 31(9–10):143–210 **(Por)**

[Venereal diseases or sexually transmitted diseases?] de Mendonça JS. **AMB** 1985 Sep–Oct;31(9–10):144–5 (Eng. Abstr.) **(Por)**

COMPLICATIONS

Sexual factors, venereal diseases, and the risk of intraepithelial and invasive cervical neoplasia. La Vecchia C, et al. **Cancer** 1986 Aug 15;58(4):935–41

The recognition of psychological disturbance in a sexually transmitted diseases clinic. Fitzpatrick R, et al. **Int J Soc Psychiatry** 1985 Winter;31(4):306–14

Vaginal discharge. Blackwell A. **Practitioner** 1985 Nov; 229(1409):987–95

[Sexually transmissible diseases and infertility] Tjiam KH, et al. **Ned Tijdschr Geneeskd** 1986 Aug 2;130(31):1403–6 (Eng. Abstr.) **(Dut)**

[Role of papilloma virus (HPV) infection in the development of precancerous conditions and cancer of the cervix uteri in women] Malarewicz A. **Ginekol Pol** 1985 Dec; 56(12):773–8 (49 ref.) (Eng. Abstr.) **(Pol)**

[Problems in the prevention and dispensary care of urogenital arthritis] Il'in IL, et al. **Revmatologiia (Moskva)** 1985 Jul–Sep;(3):66–70 **(Rus)**

DIAGNOSIS

Chlamydia: a profile. Hammond L, et al. **Aust Fam Physician** 1986 Jun;15(6):768–70

Monoclonal antibodies for the diagnosis of sexually transmitted diseases. Goldstein LC, et al. **Clin Lab Med** 1985 Sep;5(3):575–88 (33 ref.)

Sexually transmitted diseases. Romanowski B, et al. **Clin Symp** 1984;36(1):2–32

Use of nucleic acid probes for the detection of sexually transmitted infectious agents. Horn JE, et al. **Diagn Microbiol Infect Dis** 1986 Mar;4(3 Suppl):101S–109S (13 ref.)

Diagnosis of Neisseria gonorrhoeae and Chlamydia trachomatis infections using antigen detection methods. Stamm WE. **Diagn Microbiol Infect Dis** 1986 Mar;4(3 Suppl):93S–99S (22 ref.)

Chlamydia trachomatis. Ruberti D. **Iowa Med** 1985 Dec; 75(12):558–9, 61

Venereal diseases of the anorectum. Sovenyhazy GF. **J SC Med Assoc** 1985 Oct;81(10):525–9

Criteria for selective screening for Chlamydia trachomatis infection in women attending family planning clinics. Handsfield HH, et al. **JAMA** 1986 Apr 4;255(13):1730–4

Prevention of cervical cancer [letter] Wilson JD, et al. **Lancet** 1986 Aug 16;2(8503):401

Detection of Chlamydia trachomatis infection in endocervical specimens using direct immunofluorescence. Graber CD, et al. **Obstet Gynecol** 1985 Nov;66(5):727–30

Cutaneous features of sexually transmitted diseases. Recognition and treatment. Buntin DM. **Postgrad Med** 1985 Nov 15;78(7):121–8

[Value of the rapid diagnosis of sexually transmissible disorders, especially of gonorrhea, Chlamydia trachomatis infections and herpes genitalis] Stolz E, et al. **Ned Tijdschr Geneeskd** 1985 Nov 2;129(44):2101–4 **(Dut)**

[The value of rapid diagnosis of sexually transmissible diseases, specifically of gonorrhea, Chlamydia trachomatis infections and herpes genitalis (letter)] Van der Geer ER. **Ned Tijdschr Geneeskd** 1986 Aug 2;130(31):1414–6 **(Dut)**

[New diagnostic procedures for sexually transmissible diseases] Petzoldt D. **Arch Gynecol** 1985;238(1–4):805–10 **(Ger)**

[Sexually transmissible diseases in the anorectal area] Otto P. **Fortschr Med** 1985 Nov 14;103(42):973–6 (Eng. Abstr.) **(Ger)**

[Partner diagnosis with special reference to urogenital infections caused by Chlamydia trachomatis and mycoplasmas from the viewpoint of the urologist] Weidner W. **Gynakologe** 1985 Sep;18(3):171–6 **(Ger)**

[Genital Chlamydia infections] Gschnait F. **Hautarzt** 1986 Jun;37(6):312–9 (Eng. Abstr.) **(Ger)**

[Direct detection of Chlamydia trachomatis with monoclonal antibodies] Mösinger-Lundgren V, et al. **Hautarzt** 1986 Jun;37(6):325–8 (Eng. Abstr.) **(Ger)**

[Sexually transmitted proctitis in the homosexual male] Rufli T. **Ther Umsch** 1985 Nov;42(11):787–92 (46 ref.) (Eng. Abstr.) **(Ger)**

[Immunologic (serologic) identification of sexually transmitted infections] Schopfer K, et al. **Ther Umsch** 1985 Nov;42(11):766–72 (Eng. Abstr.) **(Ger)**

[Significance and problems of Chlamydia detection in urologic patients] Krech T, et al. **Urologe [A]** 1986 May; 25(3):153–6 (Eng. Abstr.) **(Ger)**

[Genital chlamydial infections] Schwarz T, et al. **Wien Klin Wochenschr** 1986 Jun 27;98(13):405–10 (Eng. Abstr.) **(Ger)**

[Acquired immunologic deficiency syndrome (AIDS) and other sexually transmissible diseases with gastrointestinal manifestations] Purrmann J, et al. **Z Gastroenterol** 1986 Jun; 24(6):291–7 (Eng. Abstr.) **(Ger)**

[Venereology 1985] Luger A, et al. **Z Hautkr** 1985 Sep 15; 60(18):1419–31 (Eng. Abstr.) **(Ger)**

[Chlamydia infections] Schachter J, et al. **Z Hautkr** 1985 Sep 15;60(18):1472–85 (Eng. Abstr.) **(Ger)**

[Genital mycoplasma infections] Werni R, et al. **Z Hautkr** 1985 Sep 15;60(18):1486–505 (Eng. Abstr.) **(Ger)**

[Sexually transmitted infections in patients with condylomata acuminata] Lodi A, et al. **Minerva Med** 1986 Mar 10; 77(9–10):283–7 (Eng. Abstr.) **(Ita)**

[Current status of sexually transmitted diseases] Takada M.

Nippon Sanka Fujinka Gakkai Zasshi 1986 Mar;38(3):433–8 (7 ref.) (Jpn)
[Laboratory diagnosis in sexually transmitted viral diseases. Its importance in medical practice] Camacho F, et al. Med Cutan Ibero Lat Am 1985;13(2):167–74 (Eng. Abstr.) (Spa)

DRUG THERAPY

Treatment of sexually transmissible diseases. Aust Fam Physician 1986 Mar;15(3):322, 327–32
Treatment of sexually transmitted chlamydial infections. Sanders LL Jr, et al. JAMA 1986 Apr 4;255(13):1750–6 (51 ref.)
Treatment of sexually transmitted diseases. Med Lett Drugs Ther 1986 Feb 28;28(708):23–8
[Sexually transmitted diseases: therapeutic schedule] Pereira ML, et al. AMB 1985 Sep–Oct;31(9–10):207–10 (Eng. Abstr.) (Por)

ECONOMICS

Cost-effectiveness of culturing for Chlamydia trachomatis. A study in a clinic for sexually transmitted diseases. Nettleman MD, et al. Ann Intern Med 1986 Aug; 105(2):189–96
How justifiable is public support of sexually transmitted disease clinical services? [editorial] Cates W Jr. JAMA 1986 Apr 4;255(13):1769

ETIOLOGY

The effect of seminal plasma on macrophage function—a possible contributory factor in sexually transmitted disease. James K, et al. AIDS Res 1983–84;1(1):45–57
[Venereal infections caused by Chlamydia trachomatis] Grio R, et al. Minerva Ginecol 1986 Apr;38(4):229–31 (Eng. Abstr.) (Ita)

HISTORY

[Abul Kasim al-Zahrawi on skin and venereal diseases] Belova LV. Vestn Dermatol Venerol 1986;(4):72–5 (Rus)
[Venereal diseases in the papers of medieval Eastern scientists] Belova LV. Vestn Dermatol Venerol 1985 Dec; (12):59–61 (Rus)

IMMUNOLOGY

HTLV III and hepatitis A and B serological markers among U.S. military venereal disease patients. James JJ, et al. Milit Med 1986 Apr;151(4):193–8
Cytomegalovirus antibody status in couples. Meigh RE, et al. NIPH Ann 1986 Jun;9(1):3–6
[Occurrence of antibody to human T-cell leukemia/lymphovirus type III (LAV/HTLV III) in venereology clientele in Copenhagen] Petersen CS, et al. Ugeskr Laeger 1986 Mar 31;148(14):821–2 (Eng. Abstr.) (Dan)

MICROBIOLOGY

Recovery of Chlamydia trachomatis from the endometrium of women at risk for chlamydial infection. Jones RB, et al. Am J Obstet Gynecol 1986 Jul;155(1):35–9
New common sexually transmissible diseases. Gollow MM. Aust Fam Physician 1986 Mar;15(3):241–5
Sexually transmissible diseases. Higgs D. Aust Fam Physician 1986 Mar;15(3):286–90
Detection of multiple serovars of Chlamydia trachomatis in genital infections. Barnes RC, et al. J Infect Dis 1985 Nov; 152(5):985–9
Sexually transmissible infectious agents in sexually active and virginal asymptomatic adolescent girls. Bump RC, et al. Pediatrics 1986 Apr;77(4):488–94
Association of cytomegalovirus and herpes simplex virus infections of the cervix in four clinic populations. Embil JA, et al. Sex Transm Dis 1985 Oct–Dec;12(4):224–8
[Cytomegaloviruses in sperm and the risk of sexual transmission] Seeman J, et al. Cesk Gynekol 1985 Sep; 50(8):544–6 (Eng. Abstr.) (Cze)
[Sexually transmitted disease in men. I. Intestinal parasites and pathogenic intestinal bacteria] Christophersen J, et al. Ugeskr Laeger 1986 Jan 27;148(5):237–41 (Eng. Abstr.) (Dan)
[Detection of Gardnerella vaginalis in the pathogen spectrum of sexually transmissible diseases in vulvovaginitis] Elsner P, et al. Z Hautkr 1985 Nov 1;60(21):1655–62 (Eng. Abstr.) (Ger)

MORTALITY

Deaths due to sexually transmitted diseases. The forgotten component of reproductive mortality. Grimes DA. JAMA 1986 Apr 4;255(13):1727–9

OCCURRENCE

Sexually transmitted disease in Canada in 1984. Can Med Assoc J 1986 Apr 15;134(8):919–20
Sexual abuse and sexually transmitted disease in children. Can Med Assoc J 1986 Jun 1;134(11):1272–3
Sexually transmitted diseases [letter] Horne HW Jr. Fertil Steril 1986 Jul;46(1):137–8
Sexually transmitted diseases in Botswana. Bingham JS. Genitourin Med 1985 Dec;61(6):409–10
Incidence of sexually transmitted diseases in rape victims during 1984. Forster GE, et al. Genitourin Med 1986 Aug; 62(4):267–9
Genital herpes: an increasing problem? Hindley DJ, et al. Genitourin Med 1985 Feb;61(1):56–8
Pattern of sexually transmitted disease in Madurai, India. Jeyasingh P, et al. Genitourin Med 1985 Dec;61(6):399–403
Efficient means of action [editorial] Causse G. Hygie 1985 Sep;4(3):3–6 (Eng, Spa, Fre)
STD control in less developed countries: the time is now. Brown ST, et al. Int J Epidemiol 1985 Dec;14(4):505–9 (27 ref.)
Sexually transmitted diseases. From the Department of Health. NZ Med J 1985 Sep 11;98(786):760–1
Public health implications of sexually transmitted diseases in pediatric practice. Frau LM, et al. Pediatr Infect Dis 1985 Sep–Oct;4(5):453–67
Sexually transmitted diseases: an overview. McMillan A. Practitioner 1985 Nov;229(1409):971–7
[Sexually transmitted diseases. Review of treatment at a clinic for venereal diseases in 1984] Avnstorp C, et al. Ugeskr Laeger 1986 Jan 27;148(5):281–3 (Eng. Abstr.) (Dan)
[Sexually transmitted diseases in men. II. Urethral and anorectal infections] Christophersen J, et al. Ugeskr Laeger 1986 Feb 3;148(6):316–9 (Eng. Abstr.) (Dan)
[The occurrence of sexually transmitted diseases in northern Zuid-Holland; epidemiological information for the organization of their prevention] Nijhuis HG, et al. Ned Tijdschr Geneeskd 1985 Jul 13;129(28):1332–6 (Eng. Abstr.) (Dut)
[Sexually transmissible diseases in victims of sexual assault] van den Hoek JA, et al. Ned Tijdschr Geneeskd 1986 Mar 1;130(9):405–7 (Eng. Abstr.) (Dut)
[Epidemiology of Chlamydia infections] Jahn K, et al. Geburtshilfe Frauenheilkd 1986 Jan;46(1):52–5 (Eng. Abstr.) (Ger)
[Bacterial infection from sexual contact in a sampling of a student population] Santino I, et al. Nuovi Ann Ig Microbiol 1985 Mar–Apr;36(2):105–12 (Eng. Abstr.) (Ita)
[Risk coefficient for the evaluation of the incidence of venereal diseases among professional groups] Iatsukha MV, et al. Vestn Dermatol Venerol 1986;(3):33–6 (Eng. Abstr.) (Rus)
[Venereal diseases in Uganda] Iutskovskiĭ AD. Vestn Dermatol Venerol 1986;(1):68–70 (Eng. Abstr.) (Rus)
[Skin diseases in the Republic of Uganda] Iutskovskiĭ AD. Vestn Dermatol Venerol 1985 Nov;(11):32–6 (Eng. Abstr.) (Rus)

PARASITOLOGY

Geographic variation among isolates of Trichomonas vaginalis: demonstration of antigenic heterogeneity by using monoclonal antibodies and the indirect immunofluorescence technique. Krieger JN, et al. J Infect Dis 1985 Nov;152(5):979–84

PATHOLOGY

Bowenoid papulosis: a recent entity in sexually transmitted diseases. Giam YC, et al. Ann Acad Med Singapore 1986 Jan;15(1):15–9
Role of biopsy in diagnosis of rectal infections [editorial] Owen RL. Gastroenterology 1986 Sep;91(3):770–2
Spectrum of rectal biopsy abnormalities in homosexual men with intestinal symptoms. Surawicz CM, et al. Gastroenterology 1986 Sep;91(3):651–9
The colorful people of Papua-New Guinea. Some of their habits and some diseases which result from these habits. Cooke R. Pathol Annu 1986;21 Pt 2:311–46

PREVENTION & CONTROL

The jaundiced view. Lee RV. Am J Med 1986 May; 80(5):764–9
Personal protection against sexually transmitted diseases. Stone KM, et al. Am J Obstet Gynecol 1986 Jul; 155(1):180–8 (60 ref.)
Condoms and hepatitis B virus infection [letter] Minuk GY, et al. Ann Intern Med 1986 Apr;104(4):584
Public health modeling and populations at risk to sexually transmitted diseases. Peck DL. Arch Sex Behav 1986 Apr; 15(2):139–52
Taking a sexual history. Donovan B. Aust Fam Physician 1986 Mar;15(3):258
Preventive and educational aspects of STD. White G. Aust Fam Physician 1986 Mar;15(3):248–52
Sexually transmitted diseases: a pilot education programme in Queensland. Cronan AW. Community Health Stud 1985; 9(3):246–52
STD education. Messages, target groups and the effect of an education programme. de Haes WF, et al. Hygie 1985 Sep;4(3):19–25
Preventive intervention approach to health education for STDs. Egwu IN. Hygie 1985 Sep;4(3):13–8
Health education in the sexually transmitted diseases. Essex-Cater A, et al. Hygie 1985 Sep;4(3):41–7
Health education for STD patients in a New Delhi hospital. Hiramani AB, et al. Hygie 1985 Sep;4(3):26–31
Proposed guidelines to minimize risk of sexually transmitted diseases (including AIDS). MAG Maternal and Infant Health Committee. J Med Assoc Ga 1986 Apr;75(4):222–3
STD clinics and the prevention of sexually transmitted diseases [letter] JAMA 1986 Aug 1;256(5):592–3
Condoms and the prevention of AIDS [letter] JAMA 1986 Sep 19;256(11):1442–3
Leads from the MMWR. Additional recommendations to reduce sexual and drug abuse-related transmission of human T-lymphotropic virus type III/lymphadenopathy-associated virus. JAMA 1986 Apr 11;255(14):1843–4, 1849
A new strategy to prevent the spread of AIDS among heterosexuals [editorial] Echenberg DF. JAMA 1985 Oct 18;254(15):2129–30
Primary prevention of sexually transmitted diseases [letter] Myers L. JAMA 1986 Aug 1;256(5):593–4
Measures to control Chlamydia trachomatis infections: an assessment of new national policy guidelines [editorial] Stamm WE, et al. JAMA 1986 Sep 5;256(9):1178–9
Primary prevention of sexually transmitted diseases. A primer for clinicians. Stone KM, et al. JAMA 1986 Apr 4; 255(13):1763–6 (53 ref.)
Sexually transmitted diseases in sub-Saharan Africa. A priority list based on Family Health International's Meeting. Rosenbert MJ, et al. Lancet 1986 Jul 19; 2(8499):152–3
Additional recommendations to reduce sexual and drug abuse-related transmission of human T-lymphotropic virus type III/lymphadenopathy-associated virus. MMWR 1986 Mar 14;35(10):152–5
Screening to reduce transmission of sexually transmitted diseases in semen used for artificial insemination. Mascola L, et al. N Engl J Med 1986 May 22;314(21):1354–9 (99 ref.)
Priorities for sexually transmitted diseases in the late 1980s and beyond. Cates W Jr. Sex Transm Dis 1986 Apr–Jun; 13(2):114–7
Chlamydia trachomatis screening in family planning clinics in Wisconsin. Katcher ML, et al. Wis Med J 1986 Jan; 85(1):27
[Prevention of genito-anal and bucco-laryngo-esophageal cancers caused by sexually transmitted viruses] Mathé G. Biomed Pharmacother 1985;39(6):253–62 (57 ref.) (Eng. Abstr.) (Fre)

PSYCHOLOGY

Survey of psychological disturbance in patients attending a sexually transmitted diseases clinic. Fitzpatrick R, et al. Genitourin Med 1986 Apr;62(2):111–5

THERAPY

Reinforcement of health education and counselling by doctors in treatment and control of sexually transmitted disease. Ogunbanjo BO, et al. Genitourin Med 1986 Feb; 62(1):53–5
National survey of dermatologists and residency training program directors on dermatology's role in treating sexually transmitted diseases. Ramsay DL, et al. J Am Acad Dermatol 1986 Mar;14(3):527–31
1985 STD Treatment Guidelines. MMWR 1985 Oct 18;34 Suppl 4:75S–108S

TRANSMISSION

The persistence of public health problems: SF, STD, and AIDS [editorial] Yankauer A. Am J Public Health 1986 May;76(5):494–5
Risk of transmission of sexually transmitted diseases by cryopreserved semen. Glander HJ, et al. Andrologia 1986 May–Jun;18(3):323–5
Transmission of the acquired immunodeficiency syndrome through heterosexual activity. Lederman MM. Ann Intern Med 1986 Jan;104(1):115–7
Cutaneous shigellosis [letter] Stoll DM. Arch Dermatol 1986 Jan;122(1):22
AIDS as a sexually transmissible disease. Donovan B, et al. Aust Fam Physician 1986 May;15(5):620–33
Contact tracing: control of STD in the community. Hatch B, et al. Aust Fam Physician 1986 Mar;15(3):260–1
Genital chlamydial infection—our commonest sexually transmissible disease. Bradford DL. Aust NZ J Obstet Gynaecol 1985 Nov;25(4):282–5
Genital molluscum contagiosum in children: evidence of sexual abuse? [letter] Bargman H. Can Med Assoc J 1986 Sep 1;135(5):432–3
Screening therapeutic insemination donors for sexually transmitted diseases: overview and recommendations. Greenblatt RM, et al. Fertil Steril 1986 Sep;46(3):351–64 (134 ref.)
Infectious and sexually transmitted diseases: implications for dental public health. Silverman S Jr. J Public Health Dent 1986 Winter;46(1):7–12
Female-to-male transmission of AIDS [letter] Polk BF. JAMA 1985 Dec 13;254(22):3177–8
AIDS and prostitutes [letter] Cooper DA, et al. Med J Aust 1986 Jul 7;145(1):55
Sexually transmitted diseases in victims of sexual assault. Glaser JB, et al. N Engl J Med 1986 Sep 4;315(10):625–7
Sexually transmitted diseases in homosexual men. Simmons PD. Practitioner 1985 Nov;229(1409):1003–8
Sexually transmitted disease in men. Bardin E, et al. Primary Care 1985 Dec;12(4):761–85
White piedra: a case with evidence of spread by contact.

Grainger CR. **Trans R Soc Trop Med Hyg** 1986;80(1):87

[Infections transmitted by direct contact, with special reference to sexually transmitted diseases of the human] Albrecht J. **Off Gesundheitswes** 1986 Mar;48(3):119–22 (Eng. Abstr.) (Ger)

[Sexually transmitted diseases of the perianal and perineal region] Eichmann A. **Schweiz Rundsch Med Prax** 1985 Aug 27;74(35):919–22 (19 ref.) (Eng. Abstr.) (Ger)

[Sexually transmitted diseases after travel in tropical countries] Eichmann A. **Ther Umsch** 1985 Nov; 42(11):805–11 (Eng. Abstr.) (Ger)

[Sexual transmissibility of papillomaviruses] Gross G, et al. **Z Hautkr** 1985 Nov 15;60(22):1737–8, 1741–2 (Eng. Abstr.) (Ger)

[Infectious and parasitic diseases transmitted by sexual contact: epidemiological and public health aspects] Baldy JL. **AMB** 1985 Sep–Oct;31(9–10):146–51 (Eng. Abstr.) (Por)

[Vertical transmission of sexually transmitted diseases] Diniz EM, et al. **AMB** 1985 Sep–Oct;31(9–10):188–206 (Eng. Abstr.) (Por)

VETERINARY

Venereal pox in breeder turkeys in Minnesota. Metz AL, et al. **Avian Dis** 1985 Jul–Sep;29(3):850–3

Variable persistence of the contagious equine metritis organism in the genital tract of CBA/J, CBA/N, LAF1/J, BALB/c and congenitally thymus–deficient (nude) mice. Timoney PJ, et al. **J Comp Pathol** 1985 Apr;95(2):137–49

VENEREAL TUMORS, TRANSMISSIBLE see **VENEREAL TUMORS, VETERINARY**

VENEREAL TUMORS, VETERINARY

IMMUNOLOGY

Detection of immune complexes in sera of dogs with canine transmissible venereal sarcoma (CTVS) by a conglutinin–binding assay. Palker TJ, et al. **J Comp Pathol** 1985 Apr;95(2):247–58

Immunoelectron microscopic localization of a tumor–associated antigen (TAA) in the canine transmissible venereal sarcoma by anti–TAA–antiferritin hybrid antibodies. Hill DL, et al. **JNCI** 1985 Oct;75(4):725–32

MICROBIOLOGY

Viral–like particles associated with naturally occurring transmissible venereal tumor in two dogs: preliminary report. Amber EI, et al. **Am J Vet Res** 1985 Dec; 46(12):2613–5

THERAPY

Results of a preliminary study of the potential of vasodilators for improving thermotherapy of deep–seated tumours. Nussbaum GH, et al. **Int J Hyperthermia** 1986 Jan–Mar; 2(1):61–4

VENEREOLOGY

see related
VENEREAL DISEASES

Some impressions of genitourinary medicine in Buenos Aires, Argentina. Tait IA. **Genitourin Med** 1986 Apr;62(2):132–3

[Results of the scientific work in mycology at a city dermatology and venereology dispensary (1971–1984)] Arievich AM, et al. **Vestn Dermatol Venerol** 1985 Sep; (9):26–8 (Eng. Abstr.) (Rus)

EDUCATION

[Reflection of new methods of treating chronic dermatoses in the system of specialized training of dermatovenereologists in a college of oral medicine] Bukharovich AM. **Vestn Dermatol Venerol** 1986;(5):28–30 (Eng. Abstr.) (Rus)

[Instruction in venereology of interns in an obstetric–gynecologic program] Gol'dshtein LM, et al. **Vestn Dermatol Venerol** 1986;(2):32–4 (Eng. Abstr.) (Rus)

[Method of performing the examination in dermatology and venereology] Savchak VI. **Vestn Dermatol Venerol** 1986; (1):39–40 (Eng. Abstr.) (Rus)

[Organization of independent studies and various methodological aspects of the practical training of students] Shinskii GE, et al. **Vestn Dermatol Venerol** 1986;(3):31–3 (Eng. Abstr.) (Rus)

[Teaching the fundamentals of deontology in dermatovenereology to students and physicians] Skripkin IuK, et al. **Vestn Dermatol Venerol** 1985 Jul;(7):33–8 (Eng. Abstr.) (Rus)

[The skill of lecturing in the teaching of dermatovenereology] Tumasheva NI. **Vestn Dermatol Venerol** 1986;(4):26–7 (Rus)

[Centenary of the Chair of Skin and Venereal Diseases of the Kharkov Medical Institute] Zadorozhnyi BA. **Vestn Dermatol Venerol** 1985 Aug;(8):73–5 (Rus)

HISTORY

[Aurelius Cornelius Celsus on cutaneous and venereal diseases] Belova LV. **Vestn Dermatol Venerol** 1986;(5):75–7 (Rus)

[Venereal diseases in the papers of medieval Eastern scientists] Belova LV. **Vestn Dermatol Venerol** 1985 Dec; (12):59–61 (Rus)

[History of the creation and chief stages in the activity of the A. M. Pospelov Moscow Scientific Society of Dermatologists and Venereologists (on the occasion of the 800th plenary session)] Kalamkarian AA, et al. **Vestn Dermatol Venerol** 1986;(2):76–80 (Rus)

[Results of the scientific and practical activities of the Clinic for Skin and Venereal Diseases of the Moscow Vladimirskii Clinical Research Institute in the last 50 years (1935–1985)] Romanenko GF, et al. **Vestn Dermatol Venerol** 1985 Sep; (9):77–9 (Rus)

TRENDS

[Basic research trends in dermatology and venereology in the coming years] Skripkin IuK, et al. **Vestn Dermatol Venerol** 1986;(1):4–10 (Rus)

VENOGRAPHY see **PHLEBOGRAPHY**

VENOMS

see related
ANTIVENINS

IMMUNOLOGY

Comparison of measurements of serum venom–specific IgG by radioimmunoassay and enzyme immunoassay. Wypych JI, et al. **Int Arch Allergy Appl Immunol** 1985;78(4):411–4

Antigenic relationships between Mojave toxin subunits, Mojave toxin and some crotalid venoms. Henderson JT, et al. **Toxicon** 1986;24(5):473–9

ISOLATION & PURIFICATION

Biochemical characterization of the phospholipase A2 purified from the venom of the Mexican beaded lizard (Heloderma horridum horridum Wiegmann). Sosa BP, et al. **Biochemistry** 1986 May 20;25(10):2927–33

THERAPEUTIC USE

Soluble copolymer of wasp venom with human albumin for venom immunotherapy. Gewurz A, et al. **J Allergy Clin Immunol** 1986 Mar;77(3):520–3

Guidelines for venom immunotherapy. Golden DB, et al. **J Allergy Clin Immunol** 1986 May;77(5):727–8

TOXICITY

Structure–function relationships of phospholipases. I: Prediction of presynaptic neurotoxicity. Kini RM, et al. **Toxicon** 1986;24(6):527–41

VENOUS INSUFFICIENCY

[Computerized records in vascular pathology. V. Computer–assisted management of records in venous pathology] Boccalon H, et al. **J Mal Vasc** 1986;11(2):140–1 (Eng. Abstr.) (Fre)

COMPLICATIONS

Venous claudication. A report of 15 cases and a review of the literature. Walker RT, et al. **Int Angiol** 1985 Jul–Sep; 4(3):365–7

[Recurrences following varicose vein operations: responsibility of Dodd veins] Junod JM. **Vasa** 1985; 14(4):401–3 (Eng. Abstr.) (Ger)

[Panniculitis of the lower leg due to venous insufficiency] Kimura K, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Feb; 96(2):109–12 (Jpn)

[Changes in the proteolytic activity of blood in the pathogenesis of postphlebitic ulcers] Ivanov VV, et al. **Khirurgiia (Mosk)** 1986 Jun;(6):86–8 (Eng. Abstr.) (Rus)

DIAGNOSIS

Assessment of venous insufficiency using photoplethysmography: a comparison to strain gauge plethysmography. Hirai M, et al. **Angiology** 1985 Nov; 36(11):795–801

Ascending cinevenography in chronic venous insufficiency: a comparison with ambulatory venous pressure measurements. Gray–Weale AC, et al. **Aust NZ J Surg** 1985 Dec;55(6):565–9

Errors in the differential diagnosis of incompetence of the popliteal vein and short saphenous vein by Doppler ultrasound. Hobbs JT. **J Cardiovasc Surg (Torino)** 1986 Mar–Apr;27(2):169–74

Semi–quantitative photoplethysmography in the diagnosis of lower extremity venous insufficiency. Kempczinski RF, et al. **J Cardiovasc Surg (Torino)** 1986 Jan–Feb;27(1):17–23

Diagnosis of chronic venous insufficiency. Kistner RL. **J Vasc Surg** 1986 Jan;3(1):185–8

Distribution of venous valvular incompetence in patients with the postphlebitic syndrome. Moore DJ, et al. **J Vasc Surg** 1986 Jan;3(1):49–57

Duplex scanning in the assessment of deep venous incompetence. Szendro G, et al. **J Vasc Surg** 1986 Sep; 4(3):237–42

[Photoplethysmography in chronic venous insufficiency] Barthélémy P, et al. **J Mal Vasc** 1985;10(4):303–7 (Eng. Abstr.) (Fre)

[Photoplethysmography (photoreflexometry) in chronic venous insufficiency] Battino A, et al. **J Mal Vasc** 1986; 11 Suppl A:32–6 (Fre)

[Critical assessment of light reflection rheography. Comparative studies of phlebodynamometry using invasive measurement of venous pressure, photoplethysmography and light reflection rheography] Fischer M, et al. **Dtsch Med Wochenschr** 1985 Nov 22;110(47):1817–20 (Eng. Abstr.) (Ger)

[Diagnosis and classification of venous insufficiency of the leg] Pierchalla P, et al. **Dtsch Med Wochenschr** 1985 Nov 1;110(44):1700–2 (Ger)

[Significance of pneumatic plethysmography in the diagnosis of venous diseases] Grossmann K. **Z Arztl Fortbild (Jena)** 1986;80(3):103–6 (Ger)

[Etiopathogenesis of chronic venous insufficiency of the lower extremities as a guideline in staging] Heede G, et al. **Z Arztl Fortbild (Jena)** 1986;80(3):85–8 (Ger)

[Technical venous diagnosis as an aid in decision making in treatment planning] Partsch H. **Z Arztl Fortbild (Jena)** 1986;80(3):89–95 (Ger)

[Diagnostic significance of photoplethysmography in chronic venous insufficiency] Petter O, et al. **Z Arztl Fortbild (Jena)** 1986;80(3):97–101 (Ger)

[Possibilities for using ultrasound Doppler diagnosis in phlebology] Petter O, et al. **Z Arztl Fortbild (Jena)** 1986; 80(3):107–12 (Ger)

[Pharmacophlebographic studies with dihydroergotamine in the area of the extremities] Welger D, et al. **Z Arztl Fortbild (Jena)** 1986;80(3):131–3 (Ger)

DRUG THERAPY

[The behavior of blood clotting and its inhibitors under long term treatment with 5,6–benzo–alpha–pyrone (coumarin). Double blind study] Köstering H, et al. **Arzneimittelforschung** 1985;35(8):1303–6 (Eng. Abstr.) (Ger)

[Effects of horse–chestnut seed extract on transcapillary filtration in chronic venous insufficiency] Bisler H, et al. **Dtsch Med Wochenschr** 1986 Aug 29;111(35):1321–9 (Eng. Abstr.) (Ger)

[Venous toning with dihydroergotamine—subcutaneous or buccal administration] Schott G. **Z Arztl Fortbild (Jena)** 1986;80(3):127–9 (Ger)

[Doppler velocimetric documentation of the effectiveness of prednisone in the treatment of a typical complication of leukosis] Bolognini G, et al. **Clin Ter** 1985 Dec 15; 115(5):393–5 (Eng. Abstr.) (Ita)

[Therapy of chronic venous and lymphatic stasis complicated by cellulite with Ateroid 50 L.R.U. Clinical experimentation] De Anna D, et al. **Minerva Cardioangiol** 1985 Dec;33(12):863–7 (Eng. Abstr.) (Ita)

ETIOLOGY

Late venous function in the leg after deep venous thrombosis occurring in relation to pregnancy. Lindhagen A, et al. **Br J Obstet Gynaecol** 1986 Apr;93(4):348–52

[Lymphovenous disorders in posttraumatic osteomyelitis of the leg bones and the methods for their correction] Osepian IA, et al. **Ortop Travmatol Protez** 1986 Apr;(4):12–4 (Eng. Abstr.) (Rus)

[Prognosis of the sequelae of thrombosis of major veins of the lower limbs] Kniazev MD, et al. **Sov Med** 1985; (6):89–93 (Rus)

[Phlebectasic edema caused by synovial sarcoma] Ibáñez Esquembre V, et al. **Angiologia** 1986 Jul–Aug;38(4):212–21 (Eng. Abstr.) (Spa)

METABOLISM

Skin oxygen tension in venous insufficiency of the lower leg [letter] Singer A. **J R Soc Med** 1985 Nov;78(11):971–2

OCCURRENCE

Varicose veins and chronic venous insufficiency in Brazil: prevalence among 1755 inhabitants of a country town. Maffei FH, et al. **Int J Epidemiol** 1986 Jun;15(2):210–7

Varicose veins and chronic venous insufficiency disorder or disease? A critical epidemiological review. Madar G, et al. **Vasa** 1986;15(2):126–34

PATHOLOGY

A study of valve incompetence that developed in an experimental model of venous hypertension. van Bemmelen SP, et al. **Arch Surg** 1986 Sep;121(9):1048–52

[Littoral cells of the lymph node sinuses in venous congestion based on scanning electron microscopic data] Borodin IuI, et al. **Arkh Anat Gistol Embriol** 1985 Nov;89(11):58–62 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Chronic venous insufficiency—clinical and therapeutic approach. Goitia HF, et al. **Angiology** 1986 Jan;37(1):8–11

Hemodynamic indicators of postthrombotic sequelae. Norris CS, et al. **Arch Surg** 1986 Jul;121(7):765–8

Venous incompetence: critical study of the organic basis of high maintenance flow rates during artificial erection test. Buvat J, et al. **J Urol** 1986 May;135(5):926–8

Hemodynamic parameters for venous valve incompetence in the lower extremity. Breslau PJ, et al. **Neth J Surg** 1986 Feb;38(1):1–5

[Evaluation of the efficiency of femoral vein valves based on the ascending and descending phlebography] Narożnik K, et al. **Pol Przegl Radiol (Warszawa)** 1985 Jul–Aug; 49(4):247–50 (Eng. Abstr.) **(Pol)**

[Drainage function of the musculo-venous pump of the leg in patients with post-thrombotic disease of the lower limbs] Konstantinova GD, et al. **Khirurgiia (Mosk)** 1985 Jun; (6):56–9 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

[Medical expert evaluation of work capacity and surgical treatment of patients with varicose veins of lower limbs] Ivanov SS, et al. **Klin Med (Mosk)** 1985 Oct;63(10):62–5 **(Rus)**

RADIOGRAPHY

Descending phlebography in the assessment of long saphenous vein incompetence Thomas ML, et al. **AJR** 1985 Dec;145(6):1255–7

[Dynamic cavernosography. Radiologic diagnosis of venous induced erection disorders and erectile body diseases] Porst H, et al. **ROFO** 1986 Jul;145(1):80–7 (Eng. Abstr.) **(Ger)**

[Calcinoses and ossifications in chronic venous insufficiency] Junod JM. **Vasa** 1985;14(4):398–400 (Eng. Abstr.) **(Ger)**

[Phlebographic findings in insufficient muscle veins of the lower extremity] Müller JH, et al. **Z Arztl Fortbild (Jena)** 1986;80(3):119–21 **(Ger)**

[Critical assessment of the diagnostic value of phlebography and the attempt to increase its effectiveness by conducting venous pressure measurements in varicose veins and post-thrombophlebitic syndrome in the lower extremities] Tereszczyk T. **Ann Acad Med Stetin** 1985;31:169–84 (Eng. Abstr.) **(Pol)**

SURGERY

Operation for recurrent saphenofemoral incompetence using a medial approach to the saphenofemoral junction. Greaney MG, et al. **Br J Surg** 1985 Nov;72(11):910–1

Stripping the long saphenous vein: peroperative retrograde saphenography in patients with and without venous ulceration. Sutton R, et al. **Br J Surg** 1986 Apr;73(4):305–7

Direct venous reconstruction. Bergan JJ [illegible] **J Surg** 1986 Jan;29(1):23–4

Late results after venous valve repair. Eriksson I, et al. **Int Angiol** 1985 Oct–Dec;4(4):413–7

Direct reconstructive venous surgery. Gruss JD, et al. **Int Angiol** 1985 Oct–Dec;4(4):441–53

Deep venous reconstruction (1968–1984). Kistner RL. **Int Angiol** 1985 Oct–Dec;4(4):429–33

The present status of reconstructive venous surgery. Kistner RL. **Int Angiol** 1985 Oct–Dec;4(4):393–5

Rationale of the substitute "valve" operation by technique II in the treatment of chronic venous insufficiency. Psathakis ND, et al. **Int Angiol** 1985 Oct–Dec;4(4):397–412

Valvuloplasty and valve transfer. Raju S. **Int Angiol** 1985 Oct–Dec;4(4):419–24

Vein valve transplant. Indications and results. Taheri SA, et al. **Int Angiol** 1985 Oct–Dec;4(4):425–8

The investigation and surgery of the post-thrombotic syndrome. Ackroyd JS, et al. **J Cardiovasc Surg (Torino)** 1986 Jan–Feb;27(1):5–16 (68 ref.)

Indications and results of vein valve transplant. Taheri SA, et al. **J Cardiovasc Surg (Torino)** 1986 Mar–Apr;27(2):163–8

Reconstructive surgery for vasculogenic impotence. Bennett AH, et al. **J Urol** 1986 Sep;136(3):599–601

Venous claudication successfully treated by distal superficial femoral-to-greater saphenous venous bypass. Annous MO, et al. **J Vasc Surg** 1985 Nov;2(6):870–3

Surgical treatment of venous obstruction and insufficiency. Bergan JJ, et al. **J Vasc Surg** 1986 Jan;3(1):174–81 (35 ref.)

Femoral vein valve incompetence: treatment with a xenograft monocusp patch. Preliminary report. Garcia-Rinaldi R, et al. **J Vasc Surg** 1986 Jun;3(6):932–5

Long term review of procedures for venous perforator insufficiency. Wilkinson GE Jr, et al. **Surg Gynecol Obstet** 1986 Aug;163(2):117–20

[Venous valve transplant in the treatment of incompetent deep-veins of the lower extremities] Sun JM, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Dec;23(12):752–4, 783 (Eng. Abstr.) **(Chi)**

[Reconstruction of lower extremity veins] Zhang BG, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Sep;23(9):568–70 (23 ref.) **(Chi)**

[The surgical treatment of the post-phlebitis syndrome] Rommens P, et al. **Acta Chir Belg** 1985 Nov–Dec; 85(6):359–62 (Eng. Abstr.) **(Dut)**

[Initial results at 6 months of the embolization of the deep dorsal vein of the penis in erectile insufficiencies of venous origin] Maiza D, et al. **J Mal Vasc** 1985;10(2):159 **(Fre)**

[Therapy of venous insufficiency of the leg] Pierchalla P, et al. **Dtsch Med Wochenschr** 1985 Nov 1;110(44):1703–4 **(Ger)**

[Resection of the distal segment of the posterior tibial veins in post-thrombotic disease of the lower extremities] Konstantinova GD, et al. **Khirurgiia (Mosk)** 1986 May; (5):119–21 **(Rus)**

THERAPY

Complicated deep venous insufficiency: conservative management. Sladen JG. **Can J Surg** 1986 Jan;29(1):17–8

Photoplethysmographic evaluation of external compressive therapy for chronic venous ulceration. Samson RH, et al. **J Cardiovasc Surg (Torino)** 1986 Jan–Feb;27(1):24–6

[Effect of the Barbotan treatment on patients with vascular disorders associated with gonarthrosis] Garreau C, et al. **Phlebologie** 1985 Jul–Sep;38(3):517–27 (Eng. Abstr.) **(Fre)**

[Role of elastic containment with calibrated biflex bandages in the treatment of venous insufficiency in athletes and in vascular rehabilitation] Traissac B, et al. **Phlebologie** 1986 Jan–Mar;39(1):173–82 **(Fre)**

[Non-allergenic treatment of varicose ulcers] Van der Stricht J, et al. **Phlebologie** 1985 Jul–Sep;38(3):395–400 (Eng. Abstr.) **(Fre)**

[Indications for various methods of containment] Wallois P. **Phlebologie** 1985 Jul–Sep;38(3):499–503 **(Fre)**

[Percutaneous sclerotherapy as primary treatment of testicular insufficiency in idiopathic varicocele] Sigmund G, et al. **ROFO** 1986 Mar;144(3):255–62 (Eng. Abstr.) **(Ger)**

[Compression stockings class II as a medical indication] Partsch H. **Vasa** 1985;14(4):390–3 (Eng. Abstr.) **(Ger)**

[Reduction of venous ambulatory hypertension by venous compression] Partsch H. **Z Arztl Fortbild (Jena)** 1986; 80(3):123–6 **(Ger)**

[Selection of effective regimens of pneumocompression for treatment of post-traumatic lymphovenous insufficiency of the lower extremities] Imamaliev AS, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 May–Jun; (3):54–7 **(Rus)**

VENOUS PRESSURE

Evaluation of the 'stretched pore phenomenon' in isolated rat hindquarters. Rippe B, et al. **Acta Physiol Scand** 1985 Nov;125(3):453–9

Investigation of the venous hemodynamics of the lower limb by venous pressure models. Psathakis ND, et al. **Angiology** 1986 Jul;37(7):499–507

Homemade pressure limiting vein testing device. Dimitri WR, et al. **Ann Thorac Surg** 1986 May;41(5):569–70

Mechanism of glaucoma secondary to increased venous pressure. Moses RA, et al. **Arch Ophthalmol** 1985 Nov; 103(11):1701–3

A study of valve incompetence that developed in an experimental model of venous hypertension. van Bemmelen SP, et al. **Arch Surg** 1986 Sep;121(9):1048–52

Ascending cinevenography in chronic venous insufficiency: a comparison with ambulatory venous pressure measurements. Gray-Weale AC, et al. **Aust NZ J Surg** 1985 Dec;55(6):565–9

A simulation study of physiological mechanisms controlling cerebral blood flow in venous hypertension. Belardinelli E, et al. **IEEE Trans Biomed Eng** 1985 Oct;32(10):806–16

Venous return and mechanical ventilators [letter] Smith TC. **JAMA** 1986 Jul 4;256(1):38

Selective impairment of nutrient absorption from intestines with chronic venous hypertension. Sarfeh IJ, et al. **Surgery** 1986 Feb;99(2):166–9

[Value of the transjugular venous approach to the liver in the diagnosis of cirrhosis. 333 cases] Bories P, et al. **Presse Med** 1985 Sep 7;14(29):1543–5 (Eng. Abstr.) **(Fre)**

[A method for artefact control in measuring peripheral venous pressure in muscular work] Stick C, et al. **Vasa** 1985;14(3):239–43 (Eng. Abstr.) **(Ger)**

[Reduction of venous ambulatory hypertension by venous compression] Partsch H. **Z Arztl Fortbild (Jena)** 1986; 80(3):123–6 **(Ger)**

[Studies of venous pressure of healthy subjects, with special reference to the presence of shock due to acute cardiac tamponade] Maeta H, et al. **Kokyu To Junkan** 1986 May; 34(5):521–6 (Eng. Abstr.) **(Jpn)**

[Critical assessment of the diagnostic value of phlebography and the attempt to increase its effectiveness by conducting venous pressure measurements in varicose veins and post-thrombophlebitic syndrome in the lower extremities] Tereszczyk T. **Ann Acad Med Stetin** 1985;31:169–84 (Eng. Abstr.) **(Pol)**

[Value of the Frank-Starling curves for determining adequate preload (venous blood return) during surgical treatment of congenital heart defects] Tsyganil AA, et al. **Anesteziol Reanimatol** 1985 Sep–Oct;(5):24–7 (Eng. Abstr.) **(Rus)**

[Drainage function of the musculo-venous pump of the leg in patients with post-thrombotic disease of the lower limbs] Konstantinova GD, et al. **Khirurgiia (Mosk)** 1985 Jun; (6):56–9 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Pentobarbital inhibits the vasoconstrictor response to renal venous pressure elevation in the dog kidney. Abildgaard U. **Acta Physiol Scand** 1985 Aug;124(4):625–7

Cardiovascular actions of xamoterol (ICI 118,587) in anaesthetized cats, rats, and guinea pigs. Mian MA, et al. **J Cardiovasc Pharmacol** 1986 Mar–Apr;8(2):314–23

VENOUS PRESSURE, CENTRAL see **CENTRAL VENOUS PRESSURE**

VENOUS THROMBOSIS see **THROMBOPHLEBITIS**

VENTILATION

Control of wood dust from horizontal belt sanding. Hampl V, et al. **Am Ind Hyg Assoc J** 1985 Oct;46(10):567–77

Evaluation of building ventilation systems. Hughes RT, et al. **Am Ind Hyg Assoc J** 1986 Apr;47(4):207–13

Styrene vapor control systems in FRP yacht plants. Todd WF. **Am J Ind Med** 1985;8(3):219–32

Low flow active antipollution systems. An evaluation of two systems with automatic ventilators. Railton R, et al. **Anaesthesia** 1984 Sep;39(9):904–7

Engineering design of solvent recovery and air treatment plants. Cargill JD, et al. **Ann Occup Hyg** 1986;30(2):249–56

Perception of draught in ventilated spaces. Fanger PO, et al. **Ergonomics** 1986 Feb;29(2):215–35

The relative effect of ventilation on the potential alpha energy from 222Rn and 220Rn progeny. Johnson JR. **Health Phys** 1985 Nov;49(5):996–8

Smoking areas are ineffective in sick buildings [letter] Kossuth LC. **JAMA** 1986 Jun 20;255(23):3244–5

"Sick building" syndrome plagues workers, dwellers [news] Riesenberg DE, et al. **JAMA** 1986 Jun 13;255(22):3063

Installation of supply/exhaust ventilation as a remedial action against radon from soil and/or building materials. Ericson SO, et al. **Sci Total Environ** 1985 Oct;45:499–505

[Effect of the room environment on the condition of the human] Wegner J. **Schriftenr Ver Wasser Boden Lufthyg** 1985;65:115–22 **(Ger)**

[Adequate ventilation for health in residential buildings] Fiedler K. **Z Gesamte Hyg** 1986 Jun;32(6):362–4 (Eng. Abstr.) **(Ger)**

[Ventilation of operating rooms without humidifying them?] Lüderitz P, et al. **Z Gesamte Hyg** 1985 Jul;31(7):411–2 (Eng. Abstr.) **(Ger)**

[Is the need to review the MPEL of harmful admixtures in incoming air well-founded?] Mikheev VA. **Gig Sanit** 1986 Jan;(1):43–5 **(Rus)**

INSTRUMENTATION

Fume hood exhaust re-entry into a chemistry building. Lamb BK, et al. **Am Ind Hyg Assoc J** 1986 Feb;47(2):115–23

METHODS

Improved local exhaust control by directed push-pull ventilation system. Hampl V, et al. **Am Ind Hyg Assoc J** 1986 Jan;47(1):59–65

VENTILATION, MECHANICAL see **RESPIRATION, ARTIFICIAL**

VENTILATION, MIDDLE EAR see **MIDDLE EAR VENTILATION**

VENTILATION-PERFUSION RATIO

see related

PULMONARY CIRCULATION

Ventilation-perfusion scanning for pulmonary embolism: refinement of predictive value through Bayesian analysis. Vea HW, et al. **AJR** 1985 Nov;145(5):967–72

The politics of the pulmonary circulation [editorial] Grover RF. **Am Rev Respir Dis** 1985 Dec;132(6):1152–4

Characteristics of VA/Q distributions recovered from inert gas elimination data. Poon CS, et al. **Ann Biomed Eng** 1985; 13(6):475–90

Can ventilation-perfusion scans accurately diagnose acute pulmonary embolism? McBride K, et al. **Arch Surg** 1986 Jul;121(7):754–7

The effects of exercise on ventilation-perfusion relationship in patients with mitral stenosis. McEvoy RD, et al. **Bull Eur Physiopathol Respir** 1986 May–Jun;22(3):239–46

Diagnostic value of ventilation-perfusion lung scanning in patients with suspected pulmonary embolism. Hull RD, et al. **Chest** 1985 Dec;88(6):819–28

V/Q inhomogeneity causes increased physiologic dead space [letter] Williams MH Jr. **Chest** 1986 Jun;89(6):904

Idiopathic pulmonary fibrosis. Another cause of ventilation/perfusion mismatch. Eary JF, et al. **Clin Nucl Med** 1986 Jun;11(6):396–9

Multiple lung perfusion defects in a patient with Takayasu's arteritis. Reinig JW, et al. **Clin Nucl Med** 1985 Dec; 10(12):893–4

A combined procedure for 99mTc aerosol ventilation and perfusion imaging. Smart RC, et al. **Eur J Nucl Med** 1985; 11(2–3):65–8

Ventilation-perfusion relationships in interstitial lung disease. Jernudd-Wilhelmsson Y, et al. **Eur J Respir Dis** 1986 Jan; 68(1):39–49

Regional V/Q changes in asthmatics after exercise. Munkner T, et al. **Eur J Respir Dis [Suppl]** 1986;143:62–6

Regional V/Q changes in asthmatics after antigen inhalation. Munkner T, et al. **Eur J Respir Dis [Suppl]** 1986;143:44–7

Linear programming analysis of VA/Q distributions: limits on central moments. Kapitan KS, et al. **J Appl Physiol** 1986 May;60(5):1772–81

Single moderate-sized segmental V/Q mismatch: moderate

probability for pulmonary embolus [letter] Edeburn GF, et al. **J Nucl Med** 1986 Apr;27(4):568
Utilization of lung scans by clinicians. Frankel N, et al. **J Nucl Med** 1986 Mar;27(3):366–9
Significance of single ventilation/perfusion mismatches in krypton–81m/technetium–99m lung scintigraphy. Rosen JM, et al. **J Nucl Med** 1986 Mar;27(3):361–5
Aerosol penetration ratio: a new index of ventilation. Sirr SA, et al. **J Nucl Med** 1986 Aug;27(8):1343–6
Evaluation of uneven distribution of VA/Q ratio from data on exchange of respiratory gases. Doi K, et al. **Jpn J Physiol** 1986;36(2):359–78
[Isotope studies in the detection of pulmonary embolism] Schelstraete K. **Acta Chir Belg** 1986 Mar–Apr;86(2):85–8 (Eng. Abstr.) (Dut)
[The autonomous nervous system and pulmonary circulation. Stimulation of chemoreceptors and ventilation/perfusion ratios] Lockhart A. **Rev Mal Respir** 1985;2 Suppl 1:S3–9 (63 ref.) (Eng. Abstr.) (Fre)
[Intraoperative monitoring in artificial respiration of premature and newborn infants. I. Monitoring of respiratory parameters and alveolar ventilation] Lenz G, et al. **Anasth Intensivther Notfallmed** 1986 Jun;21(3):122–6 (Eng. Abstr.) (Ger)
[Evaluation of ventilation using 133Xe for improved nuclear medicine lung diagnosis] Schmidt HA, et al. **Nuklearmedizin** 1986 Jun;25(3):83–9 (Eng. Abstr.) (Ger)
[Study of the effect of the uneven distribution of the ventilation perfusion ratio on the estimation of mixed venous carbon dioxide tension obtained by the Kim method] Oku Y, et al. **Bull Chest Dis Res Inst Kyoto Univ** 1985 Mar;18(1–2):22–6 (Eng. Abstr.) (Jpn)
[Changes in airway pressure during HFPPV (HFJ superimposed on IPPV)] Yano H, et al. **Masui** 1986 May; 35(5):690–6 (Eng. Abstr.) (Jpn)
[Regional ventilation–perfusion ratio in chronic lung diseases measured with krypton–81m] Suzuki T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Dec; 23(12):1456–63 (Eng. Abstr.) (Jpn)
[Effector components of the regulation of visceral functions] Tkachenko BI, et al. **Fiziol Zh SSSR** 1986 Jan;72(1):32–43 (Rus)
[Regional electroplethysmography in the diagnosis of chronic lung diseases] Ioffe LTs, et al. **Klin Med (Mosk)** 1985 Aug; 63(8):57–61 (Rus)
[Disorders of pulmonary ventilation function in gastroenterology patients before surgery] Markosian AA, et al. **Klin Med (Mosk)** 1985 Sep;63(9):122–5 (Eng. Abstr.) (Rus)
[New aspects of using integral rheography of the body in phthisiopulmonological practice] Vizel' AA, et al. **Probl Tuberk** 1985;(6):25–7 (Eng. Abstr.) (Rus)
[Pulmonary ventilation indices of patients following the surgical correction of mitral stenosis] Gafurov FKh, et al. **Vestn Khir** 1986 Feb;136(2):21–4 (Eng. Abstr.) (Rus)

DRUG EFFECTS

Regional V/Q changes in asthmatics after histamine inhalation. Munkner T, et al. **Eur J Respir Dis [Suppl]** 1986; 143:22–7
[Almitrine bismesylate and ventilation–perfusion ratios] Evrard Y. **Rev Mal Respir** 1985;2 Suppl 1:S17–22 (Eng. Abstr.) (Fre)
[Approach to the mechanism of action of almitrine dimesylate on peripheral receptors and the ventilation–perfusion ratio (VA/Q)] Evrard Y. **Rev Med Interne** 1985;6 Spec No:53–8 (30 ref.) (Fre)
[Effect of benzodiazepine premedication on spontaneous respiration and the ventilatory response to CO2] Papin AA, et al. **Anesteziol Reanimatol** 1985 Jul–Aug;(4):29–32 (Eng. Abstr.) (Rus)

VENTILATORS, PULMONARY see **RESPIRATORS**

VENTRAL HERNIA see **HERNIA, VENTRAL**

VENTRICULAR EJECTION FRACTION see **STROKE VOLUME**

VENTRICULAR END-DIASTOLIC VOLUME see **STROKE VOLUME**

VENTRICULAR FIBRILLATION

Erroneous discharge from an implanted automatic defibrillator during supraventricular tachyarrhythmia induced ventricular fibrillation. Manz M, et al. **Am J Cardiol** 1986 Feb 1;57(4):343–4

CHEMICALLY INDUCED

Canine model of contrast medium induced fibrillation. Morris TW, et al. **Acta Radiol [Diagn] (Stockh)** 1985 Jul–Aug; 26(4):471–5
Factors modifying contrast media induced fibrillation. Morris TW, et al. **Acta Radiol [Diagn] (Stockh)** 1985 Nov–Dec; 26(6):771–5
Nitroglycerin and potassium [letter] Toole JG, et al. **Am J Cardiol** 1986 Apr 15;57(11):1003
Q-T interval prolongation and ventricular fibrillation with i.v. domperidone. Bruera E, et al. **Cancer Treat Rep** 1986 Apr;70(4):545–6
Incidence of fibrillation with isotonic contrast media for intra-arterial coronary digital subtraction angiography. Morris TW, et al. **Diagn Imag Clin Med** 1986;55(3):109–13
Incidence of fibrillation with dilute contrast media for intra-arterial coronary digital subtraction angiography. Morris TW, et al. **Invest Radiol** 1986 May;21(5):416–8
The use of programmed electrical stimulation to assess the fibrillatory propensity of ionic and nonionic contrast media. Murdock DK, et al. **Invest Radiol** 1985 Sep;20(6):579–82
Atropine induced ventricular fibrillation in a case of diazinon poisoning [letter] Kudva BT. **J Assoc Physicians India** 1985 Mar;33(3):251–2
DOCA-salt induced myocardial sensitization to ventricular fibrillation by isoprenaline in rats. Role of the autonomic nervous system. Healy C, et al. **J Auton Pharmacol** 1985 Dec;5(4):271–8
A new model of ventricular fibrillation induced by isoprenaline and catechol-O-methyl transferase inhibitor at a high perfusion temperature in isolated rat hearts. Sono K, et al. **J Pharmacol Methods** 1985 Dec;14(4):249–54
Ventricular fibrillation in a tetraplegic patient who had a therapeutic level of a tricyclic antidepressant. Case report. Levin R, et al. **Paraplegia** 1985 Dec;23(6):354–7
[Effects of carbamylcholine on the ventricular fibrillation threshold and its relation to the levels of cAMP and cGMP in rat ischemic ventricle] Wu Y, et al. **Sheng Li Hsueh Pao** 1985 Jun;37(3):209–15 (Eng. Abstr.) (Chi)
[Paradoxical response to amiodarone (letter)] Gueugniaud PY, et al. **Presse Med** 1986 Apr 5;15(14):666 (Fre)
[Ventricular fibrillation as a result of digoxin and verapamil interaction] Banasiak W, et al. **Pol Tyg Lek** 1985 Nov 4; 40(44):1240–1 (Eng. Abstr.) (Pol)

COMPLICATIONS

Inducible ventricular fibrillation in arrhythmogenic right ventricular dysplasia. Panidis IP, et al. **Am Heart J** 1985 Nov;110(5):1067–9
Nondominant right coronary artery occlusion presenting with isolated right ventricular infarction and ventricular fibrillation. Moreyra AE, et al. **Am J Med** 1986 Jul; 81(1):146–8
Sudden cardiac death—1986. Buxton AE. **Ann Intern Med** 1986 May;104(5):716–8
Relation between ventricular arrhythmia and sudden cardiac death in patients with acute myocardial infarction: the predictors of ventricular fibrillation. Bluzhas J, et al. **J Am Coll Cardiol** 1986 Jul;8(1 Suppl A):69A–72A
Cardiac syncope: a case exhibiting dichotomy between clinical impression and electrophysiologic evaluation. Aonuma K, et al. **PACE** 1986 Mar;9(2):178–87
[Risk profile and prognosis after myocardial infarct complicated by ventricular fibrillation] Frey M, et al. **Schweiz Med Wochenschr** 1985 Nov 9;115(45):1624–6 (Eng. Abstr.) (Ger)

DIAGNOSIS

Frequency and significance of induced sustained ventricular tachycardia or fibrillation two weeks after acute myocardial infarction. Bhandari AK, et al. **Am J Cardiol** 1985 Nov 1;56(12):737–42
Unipolar pacer artifacts induced failure of an automatic implantable cardioverter/defibrillator to detect ventricular fibrillation. Kim SG, et al. **Am J Cardiol** 1986 Apr 1; 57(10):880–1
Signal averaging methods to select patients at risk for lethal arrhythmias. Simson MB, et al. **Cardiovasc Clin** 1985; 15(3):145–53 (36 ref.)
Application of a new spatial signal averaging device for the beat-to-beat detection of cardiac late potentials. Chen WC, et al. **Clin Cardiol** 1986 Jun;9(6):263–7
Ventricular tachycardia in myocardial infarction: relation to heart rate and premature ventricular contractions. Bluzhas J, et al. **Eur Heart J** 1985 Sep;6(9):745–50
An external automatic device to detect ventricular fibrillation. Jack CM, et al. **Eur Heart J** 1986 May; 7(5):404–11
Ventricular tachycardia. Greenspan AM. **Geriatrics** 1986 Apr;41(4):67–73
[Diagnostic significance of late ventricular potentials] Lautsiavichius A, et al. **Kardiologiia** 1986 Apr;26(4):9–14 (Eng. Abstr.) (Rus)
[Sudden cardiac death recorded during ambulatory electrocardiography] García Hernández N, et al. **Arch Inst Cardiol Mex** 1986 Jan–Feb;56(1):77–80 (Eng. Abstr.) (Spa)

DRUG THERAPY

The role of beta blocking agents as adjunct therapy to membrane stabilizing drugs in malignant ventricular arrhythmia. Hirsowitz G, et al. **Am Heart J** 1986 May; 111(5):852–60
Relative effects of propranolol and timolol on ventricular fibrillation threshold and hemodynamics in the dog. Nanas JN, et al. **Am Heart J** 1986 Jun;111(6):1094–100
Intolerance and ineffectiveness of mexiletine in patients with serious ventricular arrhythmias. Poole JE, et al. **Am Heart J** 1986 Aug;112(2):322–6
Need and design of a prospective study to assess the value of different strategic approaches for management of ventricular tachycardia or fibrillation. Brugada P, et al. **Am J Cardiol** 1986 May 1;57(13):1180–4
Effect of beta blockade on ventricular fibrillation- and ventricular tachycardia-induced circulatory arrest in acute myocardial infarction. Johansson BW. **Am J Cardiol** 1986 Apr 25;57(12):34F–37F
Relation of serum reverse T3 to amiodarone antiarrhythmic efficacy and toxicity. Kerin NZ, et al. **Am J Cardiol** 1986 Jan 1;57(1):128–30
Electrophysiologic effects and clinical efficacy of mexiletine used alone or in combination with class IA agents for refractory recurrent ventricular tachycardias or ventricular fibrillation. Kim SG, et al. **Am J Cardiol** 1986 Sep 1; 58(6):485–90
Dose–response range of encainide for benign and potentially lethal ventricular arrhythmias. Morganroth J, et al. **Am J Cardiol** 1986 Apr 1;57(10):769–74
Verapamil treatment of intractable reperfusion ventricular tachycardia/fibrillation [letter] Baraka A, et al. **Anesth Analg** 1986 Jan;65(1):102–3
Use of bretylium tosylate as prophylaxis and treatment in hypothermic ventricular fibrillation in the canine model. Murphy K, et al. **Ann Emerg Med** 1986 Oct;15(10):1160–6
Endotracheal versus intravenous epinephrine during electromechanical dissociation with CPR in dogs. Ralston SH, et al. **Ann Emerg Med** 1985 Nov;14(11):1044–8
Bretylium tosylate and ventricular fibrillation in hypothermia [letter] Kochar G, et al. **Ann Intern Med** 1986 Oct; 105(4):624
A cardiac antiarrhythmic screening test using the isolated ischaemic perfused rat heart preparation. Lee AY, et al. **Arch Int Pharmacodyn Ther** 1985 Oct;277(2):217–22
Clinical experience with amiodarone for treatment of recurrent ventricular tachycardia and ventricular fibrillation. Heger JJ, et al. **Br J Clin Pract [Symp Suppl]** 1986 Apr;44:16–27
High incidence of clinical and subclinical toxicity associated with amiodarone treatment of refractory tachyarrhythmias. Anastasiou-Nana MI, et al. **Can J Cardiol** 1986 May–Jun; 2(3):138–45
Solitary beta-blocker therapy for idiopathic life-threatening ventricular tachyarrhythmias. Brodsky MA, et al. **Chest** 1986 Jun;89(6):790–4
Short- and long-term therapy with tocainide for malignant ventricular tachyarrhythmias. Hohnloser SH, et al. **Circulation** 1986 Jan;73(1):143–9
Advances in antiarrhythmic drug therapy—changing concepts. Introduction. Kaplan HR. **Fed Proc** 1986 Jul; 45(8):2184–5
Preclinical assessment of antiarrhythmic drugs. Lucchesi BR, et al. **Fed Proc** 1986 Jul;45(8):2197–205
The effect of tricyclic antidepressants on ventricular fibrillation and collateral blood supply following acute coronary occlusion. Manoach M, et al. **Heart Vessels** 1986; 2(1):36–40
Exercise-induced ventricular tachycardia as a manifestation of flecainide toxicity. Hoffmann A, et al. **Int J Cardiol** 1986 Jun;11(3):353–5
Mexiletine and quinidine in combination in an ischemic model: supra-additive antiarrhythmic and electrophysiologic actions. Duff HJ, et al. **J Cardiovasc Pharmacol** 1986 Jul–Aug;8(4):847–57
Importance of interaction with adrenergic neurons for antifibrillatory action of bretylium in the dog. Frame VB, et al. **J Cardiovasc Pharmacol** 1986 Mar–Apr;8(2):336–45
Adverse reactions to antiarrhythmic drugs during therapy for ventricular arrhythmias. Nygaard TW, et al. **JAMA** 1986 Jul 4;256(1):55–7
[Successful treatment of vasospastic stenocardia occurring for the 1st time complicated by ventricular fibrillation] Borisova EO, et al. **Kardiologiia** 1985 Nov;25(11):104–6 (Rus)

ENZYMOLOGY

Myocardial damage by ventricular fibrillation in isolated perfused rat hearts, and its underlying mechanisms. Heuer HJ, et al. **Basic Res Cardiol** 1986 Mar–Apr;81(2):188–98

ETIOLOGY

Facilitation of lethal ventricular arrhythmias by therapeutic digoxin in conscious post infarction dogs. Lynch JJ, et al. **Am Heart J** 1986 May;111(5):883–90
Effect of thromboxane synthetase inhibition on vulnerability to ventricular arrhythmia following coronary occlusion. O'Connor KM, et al. **Am Heart J** 1986 Apr;111(4):683–8
Ventricular tachycardia induction: comparison of triple extrastimuli with an abrupt change in ventricular drive cycle length. Rosenfeld LE, et al. **Am Heart J** 1986 May; 111(5):868–74
Arrhythmia inducibility and ventricular vulnerability in a chronic feline infarction model. Wetstein L, et al. **Am Heart J** 1985 Nov;110(5):955–60
Incidence and clinical significance of ventricular fibrillation induced with single and double ventricular extrastimuli. Mahmud R, et al. **Am J Cardiol** 1986 Jul 1;58(1):75–9
Ventricular tachycardia/fibrillation on the first day of medical school. Vlay SC. **Am J Cardiol** 1986 Feb 15; 57(6):483
Ventricular fibrillation during orotracheal intubation of hypothermic dogs. Gillen JP, et al. **Ann Emerg Med** 1986 Apr;15(4):412–6

Persistent left superior vena cava in a man with ventricular fibrillation. Huang SK. **Chest** 1986 Jan;89(1):155–7

Syncope in a patient with Wolff–Parkinson–White syndrome and inducible ventricular fibrillation [clinical conference] Klein LS. **Chest** 1986 Jun;89(6):875–9

Reperfusion ventricular arrhythmias during intracoronary thrombolysis. Della Grazia PM, et al. **Eur Heart J** 1986 May;7 Suppl A:23–30

The role of antiarrhythmic drugs in sudden cardiac death. Hoffman BF, et al. **J Am Coll Cardiol** 1986 Jul;8(1 Suppl A):104A–109A

Inducible sustained ventricular tachycardia and ventricular fibrillation in conscious dogs with isolated right ventricular infarction: relation to infarct structure. Karagueuzian HS, et al. **J Am Coll Cardiol** 1986 Apr;7(4):850–8

Primary ventricular fibrillation complicating acute myocardial infarction: incidence in subgroups. Skjaeggestad O, et al. **J Oulu City Hosp** 1985 Sep–Oct; 35(9–10):107–9

Ventricular ectopic activity in hemodialysis [letter] Quereda C, et al. **Nephron** 1986;42(2):181–2

Cardiac complications of drastic weight reduction. Wilson JH. **Neth J Med** 1986;29(4):129–33 (46 ref.)

An unusual presentation of variant angina. Simpson IA, et al. **Scott Med J** 1986 Jan;31(1):37–8

[Long-term prognosis following ventricular fibrillation in acute myocardial infarction] Chen ZJ, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1985 Sep; 13(4):246–8, 317 (Eng. Abstr.) (Chi)

[An electrophysiological study of early ventricular arrhythmias in acute myocardial ischemia—mechanism of ventricular fibrillation] Li YG, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1984 Dec; 12(4):305–7, 317 (Eng. Abstr.) (Chi)

[Long-term prognosis of patients after myocardial infarct complicated by ventricular fibrillation] Málek I, et al. **Vnitr Lek** 1985 Oct;31(10):937–43 (Eng. Abstr.) (Cze)

[Ventricular arrhythmia in pulmonary hypertension and chronic obstructive lung diseases (letter)] Gassner A, et al. **Dtsch Med Wochenschr** 1986 Aug 1;111(31–32):1218–20 (Ger)

[Relationship among myocardial norepinephrine, cyclic AMP and ventricular fibrillation in experimental infarction] Ogawa K, et al. **Kokyu To Junkan** 1985 Nov;33(11):1305–10 (Jpn)

[Ventricular arrhythmias in acute myocardial infarction and the changes in serum magnesium levels] Jurgiel R, et al. **Kardiol Pol** 1986;29(1):35–9 (Eng. Abstr.) (Pol)

[Ventricular fibrillation in a patient with WPW syndrome initiated by diagnostic cardiac stimulation] Telichowski C, et al. **Wiad Lek** 1986 Mar 1;39(5):335–9 (Eng. Abstr.) (Pol)

[Mechanisms of the development of the terminal state in experimental emotional stress] Ul'laninskil LS, et al. **Kardiologiia** 1986 May;26(5):71–5 (Eng. Abstr.) (Rus)

[A case of ventricular fibrillation in chronic pyelonephritis] Shul'tsev GP, et al. **Klin Med (Mosk)** 1986 Feb;64(2):141–2 (Rus)

[Effect of stimulation of the cortical sensomotor areas on the development of ischemic cardiac arrhythmias] Kositskil GI, et al. **Vestn Akad Med Nauk SSSR** 1985;(12):67–9 (Eng. Abstr.) (Rus)

[Mechanism of the development of fibrillation in the acute period of a myocardial infarct] Roshchin SI, et al. **Vrach Delo** 1986 Apr;(4):33–4 (Rus)

METABOLISM

Changes in the incidence and duration of ventricular fibrillation in dependence on the extraneuronal accumulation of isoprenaline in the perfused rat heart. Sono K, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Oct; 331(1):76–81

MORTALITY

Considerations for improving survival from out-of-hospital cardiac arrest. Weaver WD, et al. **Ann Emerg Med** 1986 Oct;15(10):1181–6

OCCURRENCE

Reduced frequency of ventricular fibrillation after early thrombolysis in myocardial infarction [letter] Vermeer F, et al. **Lancet** 1986 May 17;1(8490):1147–8

PATHOLOGY

Ultrastructure of the human myocardium after intermittent ischemia compared to cardioplegia. Görlach G, et al. **Adv Exp Med Biol** 1986;194:439–49

Morphometric studies of chronic fibrillating heart. Harasaki H, et al. **Trans Am Soc Artif Intern Organs** 1985;31:73–8

[Changes in the ultrastructure of the myocardium after fibrillation and in the process of autolysis] Beskrovnova NN, et al. **Arkh Patol** 1985;47(5):42–8 (Eng. Abstr.) (Rus)

[Changes in the myocardial mitochondria in the dynamics of ventricular fibrillation (based on scanning electron microscopic data)] Frolov VA, et al. **Arkh Patol** 1986; 48(1):19–24 (Eng. Abstr.) (Rus)

[Adrenergic nerve plexus of the heart in experimental ventricular fibrillation] Anikin AIu, et al. **Kardiologiia** 1985 Sep;25(9):120–2 (Rus)

PHYSIOPATHOLOGY

Effect of hypokalemia on susceptibility to ventricular fibrillation in the normal and ischemic canine heart. Hohnloser SH, et al. **Am Heart J** 1986 Jul;112(1):32–5

Effect of beta blockade with betaxolol on left ventricular systolic function in chronic stable angina pectoris and left ventricular dysfunction. Alpert MA, et al. **Am J Cardiol** 1986 Apr 1;57(10):721–4

Influence of drive cycle length during programmed stimulation on induction of ventricular arrhythmias: analysis of 403 patients. Estes NA 3d, et al. **Am J Cardiol** 1986 Jan 1;57(1):108–12

Daily reproducibility of electrophysiologic test results in malignant ventricular arrhythmia. Lombardi F, et al. **Am J Cardiol** 1986 Jan 1;57(1):96–101

Electrophysiologic characteristics of ventricular tachycardia or fibrillation in relation to age of myocardial infarction. Stevenson WG, et al. **Am J Cardiol** 1986 Feb 15; 57(6):387–91

Effects of vagotomy and drugs on the ventricular fibrillation threshold of normal and ischemic hearts in the anesthetized rat. Huang TF, et al. **Arch Int Pharmacodyn Ther** 1985 Nov;278(1):128–41

Inhibition of quinidine–propranolol elevation of the ventricular fibrillation threshold by bilateral stellectomy + vagotomy in the anesthetized dog. Lawson JW. **Arch Int Pharmacodyn Ther** 1986 Mar;280(1):74–83

Mechanism of the antifibrillatory action of Chinoin-103, a new antiarrhythmic drug. Mészáros J, et al. **Arch Int Pharmacodyn Ther** 1986 Feb;279(2):268–81

Electrophysiologic observations in survivors of out-of-hospital cardiac arrest related to ischemic heart disease. Ruskin JN, et al. **Cardiol Clin** 1983 May;1(2):287–91

Effects of bretylium tosylate on inhomogeneity of refractoriness and ventricular fibrillation threshold in canine hearts with quinidine-induced long QT interval. Inoue H, et al. **Cardiovasc Res** 1985 Oct;19(10):655–60

Comparison of the defibrillation threshold and the upper limit of ventricular vulnerability. Chen PS, et al. **Circulation** 1986 May;73(5):1022–8

The effect of chemical ablation of the endocardium on ventricular fibrillation threshold. Damiano RJ Jr, et al. **Circulation** 1986 Sep;74(3):645–52

Electrical instability of the heart in acute local myocardial ischaemia: pathogenesis and experimental prevention. Vrána M, et al. **Cor Vasa** 1986;28(2):114–22

Effect of uniformly prolonged, and increased basic dispersion of repolarization on premature dispersion on ventricular surface in dogs: role of action potential duration and activation time differences. Amlie JP, et al. **Eur Heart J** 1985 Nov;6 Suppl I 15–30

Ventricular repolarization and fibrillation threshold in hibernating species. Johansson BW. **Eur Heart J** 1985 Nov; 6 Suppl D:53–62

Effect of amiodarone on ventricular fibrillation and defibrillation thresholds in the canine heart under normal and ischemic conditions. Arredondo MT, et al. **Eur J Pharmacol** 1986 Jun 5;125(1):23–8

Antiarrhythmic and electrophysiologic actions of clofilium in experimental canine models. Kopia GA, et al. **Eur J Pharmacol** 1985 Oct 8;116(1–2):49–61

Relationship between the prolonged QTc interval and ventricular fibrillation. Johnson CT, et al. **Heart Lung** 1986 Mar;15(2):141–50

Lidocaine causes a reversible, concentration-dependent increase in defibrillation energy requirements. Dorian P, et al. **J Am Coll Cardiol** 1986 Aug;8(2):327–32

The circumflex coronary artery occlusion canine model of sudden death: methodology and electrocardiographic observations. Jouve R, et al. **J Electrocardiol** 1986 Apr; 19(2):155–64

Increase of the ventricular fibrillation threshold by 711389-S, a new antiarrhythmic agent, in guinea-pigs. Nakajima S, et al. **Jpn J Pharmacol** 1985 Aug;38(4):436–8

Relationship between perfusion pressure and myocardial microcirculation in the beating empty or spontaneously fibrillating heart. Kawachi Y, et al. **Jpn J Surg** 1985 Sep; 15(5):379–86

Antiarrhythmic and antifibrillatory action of diltiazem on early and late phase ventricular arrhythmias following coronary artery occlusion and on reperfusion ventricular arrhythmias. Thale J, et al. **Pharmacology** 1986;33(1):1–13

Potassium channel blockade: A mechanism for suppressing ventricular fibrillation. Bacaner MB, et al. **Proc Natl Acad Sci USA** 1986 Apr;83(7):2223–7

[Sudden cardiac death in Holter monitoring: description of a case] Fanelli R, et al. **Cardiologia** 1985 Apr;30(4):321–3 (Eng. Abstr.) (Ita)

[Ventricular hyperkinetic arrhythmias and circulatory arrest in idiopathic isolated complete atrioventricular block. Description of a clinical case] Guarnerio M, et al. **G Ital Cardiol** 1985 Nov;15(11):1101–5 (Eng. Abstr.) (Ita)

[Reaction of the nodose ganglion neurons to myocardial ischemia complicated by ventricular fibrillation] Mikhallova SD, et al. **Biull Eksp Biol Med** 1986 Mar; 101(3):274–6 (Eng. Abstr.) (Rus)

[Transmembrane potentials of the myocardium during fibrillation and the effect of estradiol] Ignatova ED, et al. **Fiziol Zh SSSR** 1986 May;72(5):680–2 (Rus)

[Prepotentials of cells of the contractile myocardium] Kobrin VI. **Fiziol Zh SSSR** 1986 May;72(5):637–41 (Eng. Abstr.) (Rus)

PREVENTION & CONTROL

Protective effect of tiapamil against ventricular fibrillation during coronary artery occlusion. Raeder EA, et al. **Am Heart J** 1986 May;111(5):878–82

Lidocaine enhances intraoperative ventricular defibrillation. Lake CL, et al. **Anesth Analg** 1986 Apr;65(4):337–40

Medical, legal, and social implications of automatic external defibrillators [editorial] Jacobs L. **Ann Emerg Med** 1986 Jul;15(7):863–4

Home placement of automatic external defibrillators among survivors of ventricular fibrillation. Moore JE, et al. **Ann Emerg Med** 1986 Jul;15(7):811–2

Ectothermic philosophy of acid–base balance to prevent fibrillation during hypothermia. Kroncke GM, et al. **Arch Surg** 1986 Mar;121(3):303–4

Prostacyclin prevents ventricular fibrillation in a canine model of sudden cardiac death. Fiedler VB, et al. **Basic Res Cardiol** 1986 Jan–Feb;81(1):40–53

Epoprostenol (PGI2) reduces the incidence of post-reperfusion ventricular fibrillation in the dog. Jouve R, et al. **Cardiologia** 1985 Feb;30(2):91–7

The selection of antiarrhythmic regimens by electrophysiologic studies: techniques and results. Horowitz LN, et al. **Cardiovasc Clin** 1985;15(3):187–97 (52 ref.)

Pharmacologic therapy for survivors of sudden death based on programmed stimulation. Roy D, et al. **Cardiovasc Clin** 1985;15(3):179–85 (26 ref.)

Reduced incidence of ventricular fibrillation with contrast media lacking calcium binding additives [letter] Hwang MH, et al. **Cathet Cardiovasc Diagn** 1985;11(6):658

The rational basis and the clinical value of selective cardiac sympathetic denervation in the prevention of malignant arrhythmias. Schwartz PJ, et al. **Eur Heart J** 1986 May; 7 Suppl A:107–18

Neurochemical approaches to the prevention of ventricular fibrillation. Verrier RL. **Fed Proc** 1986 Jul;45(8):2191–6

Cicletanide improves outcome after left circumflex coronary artery occlusion–reperfusion in the dog. Jouve R, et al. **J Cardiovasc Pharmacol** 1986 Jan–Feb;8(1):208–15

Reduction of reperfusion arrhythmias in the ischemic isolated rat heart by angiotensin converting enzyme inhibitors: a comparison of captopril, enalapril, and HOE 498. van Gilst WH, et al. **J Cardiovasc Pharmacol** 1986 Jul–Aug; 8(4):722–8

Prevention of ventricular fibrillation by metoprolol in a pig model of acute myocardial ischaemia: absence of a major arrhythmogenic role for cyclic AMP. Muller CA, et al. **J Mol Cell Cardiol** 1986 Apr;18(4):375–87

The influence of verapamil and its isomers on vulnerability to ventricular fibrillation during acute myocardial ischemia and adrenergic stimulation in isolated rat heart. Thandroyen FJ, et al. **J Mol Cell Cardiol** 1986 Jun; 18(6):645–9

Epoprostenol (PGI2) prevents postischemic ventricular fibrillation and improves outcome in a canine model of sudden death. Jouve R, et al. **J Pharmacol** 1985 Apr–Jun; 16(2):139–57

Beta-blockade and prevention of ventricular fibrillation after myocardial infarction [letter] Norris RM. **Lancet** 1986 Aug 16;2(8503):396–7

Lidocaine to prevent ventricular fibrillation in early acute myocardial infarction [letter] **N Engl J Med** 1986 Apr 24; 314(17):1116–8

Intramuscular lidocaine for prevention of lethal arrhythmias in the prehospitalization phase of acute myocardial infarction. Koster RW, et al. **N Engl J Med** 1985 Oct 31; 313(18):1105–10

Lidocaine to prevent ventricular fibrillation: easy does it [editorial] Lown B. **N Engl J Med** 1985 Oct 31; 313(18):1154–6

Protective activity of defibrotide against lethal acute myocardial ischemia in the cat. Niada R, et al. **Thromb Res** 1986 May 1;42(3):363–74

[Effect of amiodarone on stimulatory convertibility and degeneration into ventricular fibrillation of induced ventricular tachycardias in the pig] Hottinger S, et al. **Schweiz Med Wochenschr** 1985 Nov 9;115(45):1594–6 (Eng. Abstr.) (Ger)

[Post-infarct aneurysmectomy of the left ventricle. A protective role against ventricular fibrillation] Leone A. **Minerva Cardioangiol** 1986 May;34(5):301–5 (Eng. Abstr.) (Ita)

[Prevention of ischemic and re-oxygenation arrhythmias and heart fibrillation using the antioxidant ionol] Meerson FZ, et al. **Biull Eksp Biol Med** 1986 Jun;101(6):662–4 (Eng. Abstr.) (Rus)

[Prevention of cardiac fibrillation using antioxidants and preliminary adaptation of animals to the effects of stress] Meerson FZ, et al. **Kardiologiia** 1985 Oct;25(10):29–34 (Eng. Abstr.) (Rus)

[Prevention of primary ventricular fibrillation in the acute stage of myocardial infarct with lidocaine] Torres G, et al. **Rev Esp Cardiol** 1986 Jan–Feb;39(1):42–6 (Eng. Abstr.) (Spa)

SURGERY

Indications for different modes of surgical therapy in medically refractory ventricular arrhythmias. Hammon JW

Jr, et al. **Ann Surg** 1986 Jun;203(6):679–84
Surgical management of sustained ventricular arrhythmias presenting within eight weeks of acute myocardial infarction. Kron IL, et al. **Ann Thorac Surg** 1986 Jul; 42(1):13–6
Mechanisms and surgical management of ventricular tachyarrhythmias. Harken AH, et al. **Cardiovasc Clin** 1985; 15(3):287–300
Results of operations for ventricular tachycardia in 105 patients. Swerdlow CD, et al. **J Thorac Cardiovasc Surg** 1986 Jul;92(1):105–13

THERAPY

Antifibrillatory effects of lidocaine and bretylium immediately postcardiopulmonary resuscitation. Chow MS, et al. **Am Heart J** 1985 Nov;110(5):938–43
What is a "save"?: Outcome measures in clinical evaluations of automatic external defibrillators. Cummins RO, et al. **Am Heart J** 1985 Dec;110(6):1133–8
Effect of quinidine and bretylium on defibrillation energy requirements. Dorian P, et al. **Am Heart J** 1986 Jul; 112(1):19–25
Deleterious effects of bretylium on hemodynamic recovery from ventricular fibrillation. Euler DE, et al. **Am Heart J** 1986 Jul;112(1):25–31
Defibrillation with the sequential pulse technique: reproducibility with repeated shocks. Rattes MF, et al. **Am Heart J** 1986 May;111(5):874–8
Clinical experience with the automatic implantable defibrillator. Mirowski M, et al. **Arch Mal Coeur** 1985 Oct; 78 Spec No:39–42
ABC of resuscitation. Ventricular fibrillation. Chamberlain D. **Br Med J [Clin Res]** 1986 Apr 19;292(6527):1068–70
Use of electrical pacemakers in the treatment of ventricular tachycardia and ventricular fibrillation. Kerr CR, et al. **Cardiovasc Clin** 1985;16(1):215–37 (80 ref.)
Clinical characteristics of sudden death: implications for survival. Myerburg RJ, et al. **Cardiovasc Clin** 1985; 15(3):107–17
Management of the prolonged QT syndrome and recurrent ventricular fibrillation with an implantable automatic cardioverter–defibrillator. Platia EV, et al. **Clin Cardiol** 1985 Sep;8(9):490–3
Defibrillation by emergency medical technicians. Eisenberg MS, et al. **Crit Care Med** 1985 Nov;13(11):921–2
A new device for the prevention of sudden death. Valladares BK, et al. **Heart Lung** 1985 Nov;14(6):632–5
Effect of lidocaine and bretylium on energy requirements for transthoracic defibrillation: experimental studies. Kerber RE, et al. **J Am Coll Cardiol** 1986 Feb;7(2):397–405
Activation during ventricular defibrillation in open–chest dogs. Evidence of complete cessation and regeneration of ventricular fibrillation after unsuccessful shocks. Chen PS, et al. **J Clin Invest** 1986 Mar;77(3):810–23
Internal cardiac defibrillation threshold: effects of acute ischemia. Jones DL, et al. **PACE** 1986 May;9(3):322–31
Emergency defibrillation using a temporary pacing electrode catheter. Mann DE, et al. **PACE** 1985 Sep;8(5):753–6
Transvenous cardioversion and defibrillation of ventricular tachyarrhythmias: current status and future directions. Saksena S, et al. **PACE** 1985 Sep;8(5):715–31 (53 ref.)
Effects of antiarrhythmic agents on isoproterenol–induced ventricular fibrillation in heavy rats: a possible model of sudden cardiac death. Johnson GL, et al. **Res Commun Chem Pathol Pharmacol** 1986 Mar; 51(3):351–64
[The role of the fist–blow to the chest in stopping life–threatening ventricular arrhythmia] Rohla M. **Orv Hetil** 1986 May 4;127(18):1071–4 (Eng. Abstr.) **(Hun)**
[Implantable automatic defibrillator] Chinzei T, et al. **Nippon Rinsho** 1985 Nov;43(11):2473–8 (19 ref.) **(Jpn)**
[Successful treatment of a child with sick sinus syndrome and recurrent ventricular fibrillation] Belebez'ev GI, et al. **Pediatriia** 1986 Jan;(1):54–5 **(Rus)**
[Favorable outcome after recurrent ventricular fibrillation in myocardial infarct] Nesterov IuI, et al. **Sov Med** 1985; (7):80–2 **(Rus)**
[Electrocardiostimulation in the treatment of recurrent ventricular fibrillation in a patient with long QT syndrome on the ECG] Gimrikh EO, et al. **Ter Arkh** 1985;57(10):45–6 (Eng. Abstr.) **(Rus)**

VENTRICULOGRAPHY, CEREBRAL

Hypothyroidism as a correlate of lateral ventricular enlargement in manic–depressive and neurotic illness. Johnstone EC, et al. **Br J Psychiatry** 1986 Mar;148:317–21
Ventricular enlargement in schizophrenia. The validity of computerised tomographic findings. Reveley MA. **Br J Psychiatry** 1985 Sep;147:233–40
Air in the ventricles: an unusual complication of nasal polypectomy. Osborne JE, et al. **J Laryngol Otol** 1985 Dec; 99(12):1275–8
Incidence of calcification in the pineal gland, habenular commissure and choroid plexus of the lateral ventricle in Japanese. Yamagami T, et al. **Nippon Geka Hokan** 1985 Sep 1;54(5):346–58
Cerebral ventricular size in depressed subjects. Dolan RJ, et al. **Psychol Med** 1985 Nov;15(4):873–8
Septation and focal dilatation of ventricles associated with cryptococcal meningoencephalitis. Ofori–Kwakye SK, et al. **Surg Neurol** 1986 Mar;25(3):253–60
[Radiologic diagnosis following implantation of an Ommaya reservoir (2)] Metz O, et al. **Kinderarztl Prax** 1985 Jun; 53(6):277–82 (Eng. Abstr.) **(Ger)**
[Neuroradiologic findings in tumors of ventricles I–III] Brachmann J, et al. **Zentralbl Neurochir** 1986;47(1):32–4 (Eng. Abstr.) **(Ger)**
[Computerized tomography in schizophrenia] Chimiak–Drożdżowska E. **Psychiatr Pol** 1985 Sep–Oct; 19(5):396–401 (8 ref.) **(Pol)**

METHODS

[Diagnostic possibilities in the examination of the posterior fossa with positive contrast media] Winkelmann H. **Psychiatr Neurol Med Psychol Beih** 1969;10–11:4–9 **(Ger)**
[Value of computerized tomocisternography in the diagnosis of progressive internal hydrocephalus] Ślósarek J, et al. **Pol Przegl Radiol (Warszawa)** 1985 May–Jun;49(3):157–60 (Eng. Abstr.) **(Pol)**

VENTROMEDIAL HYPOTHALAMIC NUCLEUS

Hypothalamic obesity after hypophysectomy or adrenalectomy: dependence on corticosterone. King BM, et al. **Am J Physiol** 1985 Nov;249(5 Pt 2):R522–6

ANALYSIS

Proteins regulated by gonadal steroids in the medial preoptic and ventromedial hypothalamic nucleic of male and female rats. Scouten CW, et al. **Neuroendocrinology** 1985 Sep; 41(3):237–45

DRUG EFFECTS

Estrogen effects on neuronal responsiveness to electrical and neurotransmitter stimulation: an in vitro study on the ventromedial nucleus of the hypothalamus. Kow LM, et al. **Brain Res** 1985 Nov 11;347(1):1–10
Actions of feeding–relevant agents on hypothalamic glucose–responsive neurons in vitro. Kow LM, et al. **Brain Res Bull** 1985 Nov;15(5):509–13
Early estrogen–induced nuclear changes in rat hypothalamic ventromedial neurons: an ultrastructural and morphometric analysis. Jones KJ, et al. **J Comp Neurol** 1985 Sep 15; 239(3):255–66
Vasopressin excites ventromedial hypothalamic glucose–responsive neurons in vitro. Kow LM, et al. **Physiol Behav** 1986;37(1):153–8
Effects of dopamine agonists on hypothalamic defensive attack in cats. Maeda H, et al. **Physiol Behav** 1985 Jul; 35(1):89–92
Central vs. peripheral effects of estrogen on food intake and lipoprotein lipase activity in ovariectomized rats. Palmer K, et al. **Physiol Behav** 1986;37(1):187–9

METABOLISM

Ultrastructural evidence of enkephalinergic input to glucoreceptor neurons in ventromedial hypothalamic nucleus. Inagaki S, et al. **Brain Res** 1986 Jul 23;378(2):420–4
Estradiol induces oxytocin binding sites in rat hypothalamic ventromedial nucleus. De Kloet ER, et al. **Eur J Pharmacol** 1985 Nov 26;118(1–2):185–6
A substance P–containing pathway from the hypothalamic ventromedial nucleus to the medial preoptic area of the rat: an immunohistochemical analysis. Yamano M, et al. **Neuroscience** 1986 Jun;18(2):395–402

PATHOLOGY

Effects of hypothyroidism on the karyometric development of the paraventricular and ventromedial nuclei of the hypothalamus in the mouse. Ferres–Torres R, et al. **Brain Res** 1986 May 21;374(1):93–100

PHYSIOLOGY

Obesity induced by kainic acid microlesion in the ventromedial hypothalamus in rats. Halmy L, et al. **Acta Physiol Hung** 1986;68(1):5–9
Stimulation of ventromedial hypothalamus induces cold defense responses in conscious rabbits. Morimoto A, et al. **Am J Physiol** 1986 Apr;250(4 Pt 2):R560–6
Gamma aminobutyric acid mediates ventromedial hypothalamic mechanisms controlling the execution of lordotic responses in the female rat. Mascó D, et al. **Behav Brain Res** 1986 Feb;19(2):153–62
Role of the paraventricular and ventromedial hypothalamic nuclear areas in the regulation of the pituitary–adrenocortical system. Filaretov AA, et al. **Brain Res** 1985 Sep 2;342(1):135–40
Dopaminergic facilitation of recovery from amygdaloid lesions which affect hypothalamic defensive attack in cats. Maeda H, et al. **Brain Res** 1986 Jan 15;363(1):135–40
Noradrenergic modulation of hypothalamic progestin receptors in female guinea pigs is specific to the ventromedial nucleus. Thornton JE, et al. **Brain Res** 1986 Jul 2;377(1):155–9
Electrophysiologic evidence for connections between the supraoptic and the arcuate/ventromedial hypothalamic nuclei in the rat. Saphier D, et al. **Exp Neurol** 1986 Jun; 92(3):563–70
Projections of oestrogen–sensitive neurones from the ventromedial hypothalamic nucleus of the female rat. Akaishi T, et al. **J Physiol (Lond)** 1986 Mar;372:207–20
Change in insulin secretion soon after ventromedial–hypothalamic lesion. Goldberg RS, et al. **Neurosci Behav Physiol** 1985 Sep–Oct;15(5):436–8
Similarities in feeding behavior of chronic methamphetamine treated and withdrawn rats to VMH lesioned rats. Kraeuchi K, et al. **Pharmacol Biochem Behav** 1985 Dec;23(6):917–20
Effects of substantia nigra stimulation on hypothalamic rage reaction in cats. Crescimanno G, et al. **Physiol Behav** 1986; 37(1):129–33
Medial hypothalamic lesions in Syrian hamsters: characterization of hyperphagia and weight gain. Rowland NE, et al. **Physiol Behav** 1986;36(3):513–21
Obesity, overeating, and rapid gastric emptying in rats with ventromedial hypothalamic lesions. Duggan JP, et al. **Science** 1986 Feb 7;231(4738):609–11
[Passive membrane properties, ionic mechanisms and glucose responsiveness of guinea–pig ventromedial hypothalamic neurons: an in vitro study] Minami T. **Fukuoka Igaku Zasshi** 1986 Jan;77(1):21–37 (Eng. Abstr.) **(Jpn)**
[Effect of hypo– and hyperthyroidism, and hypothalamic ventromedial lesions on the plasma growth hormone response to human growth hormone–releasing factor in rats] Tonegawa Y. **Nippon Ika Daigaku Zasshi** 1985 Dec; 52(6):624–32 (Eng. Abstr.) **(Jpn)**
[Effect of vasopressin on the cardiovascular system and electric activity of the hypothalamus in rabbits of various ages] Pugach BV. **Fiziol Zh** 1985 Jul–Aug;31(4):429–33 (Eng. Abstr.) **(Rus)**
[Mechanism of the effect of the ventromedial, paraventricular and dorsomedial nuclei of the hypothalamus on the heart] Sikharulidze AI, et al. **Fiziol Zh SSSR** 1985 Dec; 71(12):1495–9 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Hyperprolactinemia: its electrophysiologic and pharmacologic effect on neurons of the ventromedial nucleus of the hypothalamus. Moss RL, et al. **Brain Res** 1985 Nov 4;346(2):301–9
[Role of the paraventricular and ventromedial nuclei of the hypothalamus in activating the hypophyseal–adrenocortical system] Filaretova LP. **Fiziol Zh SSSR** 1985 Sep; 71(9):1063–6 (Eng. Abstr.) **(Rus)**
[Morphofunctional state of the neurocytes of the hypothalamic food centers in fasting rats] Zimatkin SM, et al. **Vopr Pitan** 1985 Nov–Dec;(6):44–6 (Eng. Abstr.) **(Rus)**

SECRETION

Effect of a high–protein diet on insulin and glucagon secretion in ventromedial hypothalamic (VMH) lesioned rats. Usami M, et al. **J Nutr Sci Vitaminol (Tokyo)** 1985 Jun;31(3):355–61

SURGERY

[Long–term follow–up study of selective VIM–thalamotomy] Nagaseki Y, et al. **No To Shinkei** 1985 Jun;37(6):545–54 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

Male–female difference in synaptic organization of the ventromedial nucleus of the hypothalamus in the rat. Matsumoto A, et al. **Neuroendocrinology** 1986;42(3):232–6
Development of sexual dimorphism in synaptic organization in the ventromedial nucleus of the hypothalamus in rats. Matsumoto A, et al. **Neurosci Lett** 1986 Jul 24;68(2):165–8

VENTURICIDINS see under **LACTONES**

VENULES see under **VEINS**

VERAPAMIL

On the conversion of verapamil to carboxy verapamil. Gal J, et al. **Res Commun Chem Pathol Pharmacol** 1986 Jun; 52(3):387–90

ADMINISTRATION & DOSAGE

Effects of verapamil on pharmacokinetics and pharmacodynamics of digitoxin in patients. Kuhlmann J, et al. **Am Heart J** 1985 Dec;110(6):1245–50
Twice–daily verapamil for hypertension: a comparison with propranolol. Hornung RS, et al. **Am J Cardiol** 1986 Feb 26;57(7):93D–98D
Pharmacokinetic interaction between oral metoprolol and verapamil for angina pectoris. Keech AC, et al. **Am J Cardiol** 1986 Sep 1;58(6):551–2
Regular formulation and sustained–release verapamil therapy in normotension and in mild to moderate hypertension. Klein MD, et al. **Am J Cardiol** 1986 Feb 26;57(7):69D–73D
Instant and sustained–release verapamil in the treatment of essential hypertension. Midtbø K, et al. **Am J Cardiol** 1986 Feb 26;57(7):59D–63D
Verapamil and 24–hour ambulatory blood pressure monitoring in essential hypertension. Zachariah PK, et al. **Am J Cardiol** 1986 Feb 26;57(7):74D–79D

Verapamil reversal of clinical doxorubicin resistance in human cancer. A Wilshire Oncology Medical Group pilot phase I–II study. Presant CA, et al. **Am J Clin Oncol** 1986 Aug;9(4):353–7

Twice-daily administration of oral verapamil in the treatment of essential hypertension. Frishman W, et al. **Arch Intern Med** 1986 Mar;146(3):561–5

Pharmacodynamics of acute intranasal administration of verapamil: comparison with i.v. and oral administration. Arnold TH, et al. **Biopharm Drug Dispos** 1985 Oct–Dec; 6(4):447–54

Sustained release verapamil workshop. Tarrytown, New York, 17 January 1985. **Br J Clin Pract [Symp Suppl]** 1985 Jun;42:1–55

Importance of clinical exposure on verapamil enhancement of adriamycin–vincristine cytotoxicity in human neuroblastoma. Helson L, et al. **Cancer Drug Deliv** 1984 Fall;1(4):303–5

Assessment of bioavailability of experimental single-unit sustained release tablets of verapamil hydrochloride using the stable isotope technique. Marvola M, et al. **J Pharm Pharmacol** 1985 Nov;37(11):766–70

Effect of verapamil on uremic myocardial disease in the rat. Zahavi I, et al. **J Submicrosc Cytol** 1985 Oct;17(4):637–44

Intrauterine conversion of fetal supraventricular tachycardia with combination of digoxin and verapamil. Truccone N, et al. **Pediatr Pharmacol (New York)** 1985;5(2):149–53

The effects of verapamil on the locomotor-activating properties of corticotropin releasing factor (CRF) in the rat. Swerdlow NR, et al. **Psychoneuroendocrinology** 1986; 11(2):237–40

[Intravenous therapy with verapamil in patients receiving permanent treatment with oral beta-blockers] Ingerslev J, et al. **Ugeskr Laeger** 1985 Nov 4;147(45):3599–602 (Eng. Abstr.) **(Dan)**

[Usefulness of verapamil during renal percutaneous transluminal angioplasty] Rossi GP, et al. **Cardiologia** 1985 Jul;30(7):517–20 (Eng. Abstr.) **(Ita)**

[State of blood digoxin after acute simultaneous administration of digoxin and verapamil] Capella G, et al. **Minerva Cardioangiol** 1985 Jun;33(6):373–80 (Eng. Abstr.) **(Ita)**

[Synergism of the anti-anginal action of beta-blockers and calcium antagonists in patients with ischemic heart disease] Mazur NA, et al. **Kardiologiia** 1985 Sep;25(9):45–8 (Eng. Abstr.) **(Rus)**

[Unstable stenocardia: hemodynamic effect of the intravenous administration of verapamil] Karpov IuA, et al. **Ter Arkh** 1986;58(5):81–4 **(Rus)**

[Administration of verapamil and propranolol for 4 years in a patient with aortocoronary bypass] Surić-Lambić Lj. **Srp Arh Celok Lek** 1985 Mar;113(3):269–75 (Eng. Abstr.) **(Sec)**

ADVERSE EFFECTS

Verapamil hepatotoxicity: a hypersensitivity reaction. Hare DL, et al. **Am Heart J** 1986 Mar;111(3):610–1

Respiratory arrest with i.v. verapamil [letter] Radhakrishnan S, et al. **Am Heart J** 1986 Mar;111(3):622

Hypotension and sinus arrest with exercise-induced hyperkalemia and combined verapamil/propranolol therapy. Lee TH, et al. **Am J Med** 1986 Jun;80(6):1203–4

A caution against use of verapamil in phencyclidine intoxication [letter] McCann DJ, et al. **Am J Psychiatry** 1986 May;143(5):679

Verapamil–neostigmine interaction? [letter] Lowe PA. **Anaesth Intensive Care** 1986 May;14(2):211–2

Bradycardia after verapamil and spinal analgesia [letter] Purnell RJ. **Anaesthesia** 1985 Dec;40(12):1245

Precipitation of cardiac arrest by verapamil in patients with Wolff–Parkinson–White syndrome. McGovern B, et al. **Ann Intern Med** 1986 Jun;104(6):791–4

Verapamil potentiates carbamazepine neurotoxicity: a clinically important inhibitory interaction. Macphee GJ, et al. **Lancet** 1986 Mar 29;1(8483):700–3

Adverse effect of verapamil in a patient with the Lambert-Eaton syndrome. Krendel DA, et al. **Muscle Nerve** 1986 Jul–Aug;9(6):519–22

Verapamil, syncope, and hypertrophic obstructive cardiomyopathy [letter] Trohman RG, et al. **N Engl J Med** 1986 Jun 12;314(24):1583

[Acute unusual hemodynamic effects of the calcium-antagonists] Bruzzese V, et al. **Clin Ter** 1985 Sep 15;114(5):393–9 (Eng. Abstr.) **(Ita)**

[Hypertrophic gingivitis caused by verapamil] Cucchi G, et al. **G Ital Cardiol** 1985 May;15(5):556–7 (Eng. Abstr.) **(Ita)**

[Ventricular fibrillation as a result of digoxin and verapamil interaction] Banasiak W, et al. **Pol Tyg Lek** 1985 Nov 4; 40(44):1240–1 (Eng. Abstr.) **(Pol)**

ANALOGS & DERIVATIVES

Characterization of the Ca2+ coordination site regulating binding of Ca2+ channel inhibitors d-cis-diltiazem, (+/-)bepridil and (-)desmethoxyverapamil to their receptor site in skeletal muscle transverse tubule membranes. Galizzi JP, et al. **Biochem Biophys Res Commun** 1985 Oct 15;132(1):49–55

Sidedness of reconstituted calcium channels from muscle transverse tubules as determined by D600 and D890 blockade. Affolter H, et al. **Biophys J** 1986 Mar; 49(3):767–71

Characterization and photoaffinity labeling of receptor sites for the Ca2+ channel inhibitors d-cis-diltiazem, (+/-)-bepridil, desmethoxyverapamil, and (+)-PN 200-110 in skeletal muscle transverse tubule membranes. Galizzi JP, et al. **J Biol Chem** 1986 Jan 25;261(3):1393–7

Calcium channels: basic properties as revealed by radioligand binding studies. Glossmann H, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 6:S20–30

SAR studies in the field of calcium(II) antagonists. Effect of modifications at the tetrasubstituted carbon of verapamil-like compounds. Gualtieri F, et al. **J Med Chem** 1985 Nov;28(11):1621–8

Studies on Ca2+ channel antagonists. 5-[(3,4-Dimethoxyphenethyl)methylamino]-2-(3,4-dimethoxyphenyl)-2- isopropylpentyl isothiocyanate, a chemoaffinity ligand derived from verapamil. Theodore LJ, et al. **J Med Chem** 1986 Sep;29(9):1789–92

(-)-[3H] desmethoxyverapamil labels multiple calcium channel modulator receptors in brain and skeletal muscle membranes: differentiation by temperature and dihydropyridines. Reynolds IJ, et al. **J Pharmacol Exp Ther** 1986 Jun;237(3):731–8

On the conversion of verapamil to carboxy verapamil. Gal J, et al. **Res Commun Chem Pathol Pharmacol** 1986 Jun; 52(3):387–90

ANTAGONISTS & INHIBITORS

Influence of norepinephrine on the tonic and phasic depression of Vmax by nifedipine and verapamil in guinea pig ventricle. Woods JP, et al. **J Cardiovasc Pharmacol** 1986 Jul–Aug;8(4):778–84

BLOOD

Verapamil kinetics during maintenance hemodialysis. Shah GM, et al. **Am J Nephrol** 1985;5(5):338–41

Effect of a high protein meal on the bioavailability of verapamil. Woodcock BG, et al. **Br J Clin Pharmacol** 1986 Mar;21(3):337–8

Plasma levels of verapamil and its major metabolites during long-term oral treatment, in chronic stable angina. Correlation with the clinical effects of the drug. Zanolla L, et al. **Cardiologia** 1985 May;30(5):369–73

Verapamil plasma concentrations during treatment with cytostatic drugs. Kuhlmann J, et al. **J Cardiovasc Pharmacol** 1985 Sep–Oct;7(5):1003–6

Resolution of verapamil from heptadeuteroverapamil and their quantitation in serum using capillary gas chromatography. Hoffman DJ, et al. **J Chromatogr** 1986 Jan 10;374(1):170–6

Rapid gas–liquid chromatographic method for plasma verapamil level determination. Shukla UA, et al. **J Chromatogr** 1985 Aug 9;342(2):406–10

DIAGNOSTIC USE

Effect of verapamil on catecholamine secretion by human pheochromocytoma [letter] Mannelli M, et al. **Hypertension** 1986 Sep;8(9):813–4

Calcium influx mediated vasoconstriction: studies in patients with mild and moderate essential hypertension. Hulthén UL, et al. **J Hypertension [Suppl]** 1983 Dec;1(2):105–8

Verapamil effects on left ventricular performance in patients with congestive heart failure studied with echocardiography before and after cardiac surgery. Bjørnstad PG, et al. **Scand J Thorac Cardiovasc Surg** 1986; 20(1):61–6

METABOLISM

Pharmacokinetics of calcium channel blocking agents. Anderson P. **Acta Pharmacol Toxicol (Copenh)** 1986;58 Suppl 2:43–57 (62 ref.)

Age-related changes in the pharmacodynamics of verapamil. Arnold TH, et al. **Am Heart J** 1985 Nov;110(5):981–5

Effects of inhalational anesthetics on verapamil pharmacokinetics in dogs. Chelly JE, et al. **Anesthesiology** 1986 Sep;65(3):266–71

Verapamil pharmacodynamics and disposition in young and elderly hypertensive patients. Altered electrocardiographic and hypotensive responses. Abernethy DR, et al. **Ann Intern Med** 1986 Sep;105(3):329–36

3,4,5-Triiodobenzoic acid affects [3H]verapamil binding to plant and animal membrane fractions and smooth muscle contraction. Andrejauskas E, et al. **Biochem Biophys Res Commun** 1986 Aug 14;138(3):1269–75

Verapamil pharmacokinetics [letter] Meredith PA, et al. **Br J Clin Pharmacol** 1986 May;21(5):554–5

The bioavailability of a slow-release verapamil formulation. Norris RJ, et al. **Br J Clin Pract [Symp Suppl]** 1985 Jun; 42:9–16

Digoxin intoxication induced by verapamil in an uremic patient [letter] Johannessen A, et al. **Clin Nephrol** 1985 Sep; 24(3):158–9

Verapamil and breast-feeding. Miller MR, et al. **Eur J Clin Pharmacol** 1986;30(1):125–6

Plasma levels and myocardial content of verapamil, norverapamil and two N-dealkyl-metabolites in man. Padrini R, et al. **Eur J Clin Pharmacol** 1985;28(6):653–7

Pharmacokinetics of sustained-release verapamil after a single administration and at steady state. Mattila J, et al. **Eur J Drug Metab Pharmacokinet** 1985 Apr–Jun; 10(2):133–8

Disposition kinetics and urinary excretion of verapamil and some of its primary metabolites after oral administration in patients with angina pectoris. Piotrovskii VK, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Jan;24(1):4–11

Pharmacokinetics and dynamics of (+/-)-verapamil in lean and obese Zucker rats. Todd EL, et al. **J Pharmacol Exp Ther** 1986 Aug;238(2):642–7

Age-dependent increase in [3H]verapamil binding to rat cortical membranes. Battaini F, et al. **Neurosci Lett** 1985 Oct 24;61(1-2):67–71

Steady state verapamil tissue distribution in the dog: differing tissue accumulation. Schwartz JB, et al. **Pharmacology** 1986;32(6):307–12

PHARMACODYNAMICS

Studies on the calcium antagonistic action of tetrandrine: XI: Effects of tetrandrine and verapamil on contractility and oxygen consumption in heart muscle. Yao WX, et al. **Acta Acad Med Wuhan** 1985;5(3):135–8

Digoxin interactions. The influence of quinidine and verapamil on the pharmacokinetics and receptor binding of digitalis glycosides. Pedersen KE. **Acta Med Scand [Suppl]** 1985;697:1–40

Comparison of the calcium-antagonistic effects of terodiline, nifedipine and verapamil. Larsson-Backström C, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Jul;57(1):8–17

Post-contracture reperfusion: effect of elevated potassium and verapamil. Digerness SB, et al. **Adv Exp Med Biol** 1986;194:427–37

Failure of Verapamil in inhibiting allergen-induced histamine release in vivo. Ting S, et al. **Allergy** 1985 Oct;40(7):519–22

The pharmacodynamic and pharmacokinetic differences of the D- and L-isomers of verapamil: implications in the treatment of paroxysmal supraventricular tachycardia. Hoon TJ, et al. **Am Heart J** 1986 Aug;112(2):396–403 (41 ref.)

The efficacy of lidocaine and verapamil alone and in combination on spontaneously occurring automatic ventricular tachycardia in conscious dogs one day after right coronary artery occlusion. Karagueuzian HS, et al. **Am Heart J** 1986 Mar;111(3):438–46

Influence of the site of stimulation on atrioventricular nodal refractory periods and the effect of verapamil. Iinuma H, et al. **Am J Cardiol** 1986 May 1;57(13):1167–74

Effect of intracoronary verapamil on infarct size in the ischemic, reperfused canine heart: critical importance of the timing of treatment. Lo HM, et al. **Am J Cardiol** 1985 Oct 1;56(10):672–7

Adrenergic activity and left ventricular function during treatment of essential hypertension with calcium antagonists. Muiesan G, et al. **Am J Cardiol** 1986 Feb 26; 57(7):44D–49D

Effects of bepridil on regional myocardial ischemia and comparison with verapamil. Reifart N, et al. **Am J Cardiol** 1986 Sep 1;58(6):541–6

Influence of verapamil on human glucose tolerance. Röjdmark S, et al. **Am J Cardiol** 1986 Feb 26; 57(7):39D–43D

Effects of verapamil and diltiazem on human platelet function. Addonizio VP Jr, et al. **Am J Physiol** 1986 Mar; 250(3 Pt 2):H366–71

Potentiation of nerve-induced bladder contractions after calcium channel blockade. Carpenter FG. **Am J Physiol** 1985 Oct;249(4 Pt 2):R417–23

Co2+, low Ca2+, and verapamil reduce mechanical activity in rat skeletal muscles. Kotsias BA, et al. **Am J Physiol** 1986 Jan;250(1 Pt 1):C40–6

Histamine-induced protein leakage in hypertensive rats: inhibition by verapamil. Miller FN, et al. **Am J Physiol** 1986 Feb;250(2 Pt 2):H284–90

Verapamil's lack of antidopaminergic properties in mice [letter] Renwart N, et al. **Am J Psychiatry** 1986 Jul; 143(7):933–4

How does verapamil exert an antimanic effect? [letter] Sandyk R, et al. **Am J Psychiatry** 1986 Mar;143(3):388

Interaction of halothane and verapamil in isolated papillary muscle. Caplan RA, et al. **Anesth Analg** 1986 May; 65(5):463–8

Effects of dantrolene and verapamil on atrioventricular conduction and cardiovascular performance in dogs. Lynch C 3d, et al. **Anesth Analg** 1986 Mar;65(3):252–8

Verapamil does not alter succinylcholine-induced increases in serum potassium during halothane anesthesia in normal dogs. Roth JL, et al. **Anesth Analg** 1985 Dec;64(12):1202–4

Combined effects of verapamil and isoflurane on coronary blood flow and myocardial metabolism in the dog. Campos JH, et al. **Anesthesiology** 1986 Jun;64(6):778–84

Cardiovascular effects of and interaction between calcium blocking drugs and anesthetics in chronically instrumented dogs. I. Verapamil and halothane. Chelly JE, et al. **Anesthesiology** 1986 May;64(5):560–7

Cardiovascular effects of and interaction between calcium blocking drugs and anesthetics in chronically instrumented dogs. II. Verapamil, enflurane, and isoflurane. Rogers K, et al. **Anesthesiology** 1986 May;64(5):568–75

Ketotifen, disodium cromoglycate, and verapamil inhibit leukotriene activity: determination by tube leukocyte adherence inhibition assay. Fink A, et al. **Ann Allergy** 1986 Aug;57(2):103–6

Verapamil, cardioplegia, and coronary artery bypass grafting [editorial] Clark RE. **Ann Thorac Surg** 1986 Jun;41(6):585–6

Verapamil and myocardial preservation in patients undergoing coronary artery bypass surgery. Guffin AV, et al. **Ann Thorac Surg** 1986 Jun;41(6):587–91

Blocking effects of verapamil on pancreatic exocrine secretion induced by dopamine in the dog. Iwatsuki K, et al. **Arch Int Pharmacodyn Ther** 1986 Mar;280(1):145–52

Effects of manganese ions on verapamil-induced increase of spontaneous transmitter release in motor nerve endings of rat diaphragm preparations. Nishimura M, et al. **Arch Int Pharmacodyn Ther** 1986 Mar;280(1):129–35

Inhibition by verapamil of the medium change induced stimulation of cultured vascular smooth muscle cells. Heinle H, et al. **Arzneimittelforschung** 1985;35(12):1811–2

Pharmacodynamic interaction of gallopamil and propranolol in the conscious dog. Lehmann HD. **Arzneimittelforschung** 1985;35(12):1795–801

Synergistic enhancement of the bleomycin and peplomycin induced mitotic index reduction by verapamil. Scheid W, et al. **Arzneimittelforschung** 1985;35(11):1717–9

Effect of verapamil on accumulation of free and esterified cholesterol in the thoracic aorta of cholesterol-fed rabbits. Stender S, et al. **Atherosclerosis** 1986 Jul;61(1):15–23

Evidence for adrenergic control of transcellular calcium distribution in liver. Hill CE, et al. **Biochem J** 1985 Sep 15;230(3):733–7

Verapamil depresses the synthesis of lipoxygenase products by hypoxic cardiac rat fibroblasts in culture. Escoubet B, et al. **Biochem Pharmacol** 1986 Jun 1;35(11):1879–82

Studies with verapamil and nifedipine provide evidence for the presence in the liver cell plasma membrane of two types of Ca2+ inflow transporter which are dissimilar to potential-operated Ca2+ channels. Hughes BP, et al. **Biochem Pharmacol** 1986 Sep 15;35(18):3045–52

Paradoxical effects of K+ and D-600 on parathyroid hormone secretion and cytoplasmic Ca2+ in normal bovine and pathological human parathyroid cells. Larsson R, et al. **Biochim Biophys Acta** 1985 Nov 20;847(2):263–9

Enhancement of cholesteryl ester metabolism in cultured human monocyte-derived macrophages by verapamil. Yatsu FM, et al. **Biochim Biophys Acta** 1985 Oct 30; 847(1):77–81

Sidedness of reconstituted calcium channels from muscle transverse tubules as determined by D600 and D890 blockade. Affolter H, et al. **Biophys J** 1986 Mar; 49(3):767–71

Effects of verapamil on in vitro intracellular accumulation and retention of daunorubicin in blast cells from patients with acute nonlymphocytic leukemia. Ross DD, et al. **Blood** 1986 Jul;68(1):83–8

In vitro effects of verapamil and methoxy-verapamil [D 600] on transmembrane sodium and potassium transport in human erythrocytes. Guarena C, et al. **Boll Soc Ital Biol Sper** 1985 Jun 30;61(6):819–24

Halothane-verapamil causes regional myocardial dysfunction in the dog. Ramsay JG, et al. **Br J Anaesth** 1986 Mar; 58(3):321–6

Verapamil increases the sensitivity of primary human colorectal carcinoma tissue to vincristine. Ince P, et al. **Br J Cancer** 1986 Jan;53(1):137–9

Resistance of human glioma to adriamycin in vitro: the role of membrane transport and its circumvention with verapamil. Merry S, et al. **Br J Cancer** 1986 Jan; 53(1):129–35

Effects of verapamil and alcohol on blood flow, melphalan uptake and cytotoxicity, in murine fibrosarcomas and human melanoma xenografts. Robinson BA, et al. **Br J Cancer** 1986 May;53(5):607–14

The effect of verapamil on antipyrine pharmacokinetics and metabolism in man. Bach D, et al. **Br J Clin Pharmacol** 1986 Jun;21(6):635–9

Effects of verapamil and nisoldipine on human platelets: in vivo and in vitro studies. Jones CR, et al. **Br J Clin Pharmacol** 1985 Sep;20(3):191–6

Verapamil pharmacokinetics and apparent hepatic and renal blood flow. Meredith PA, et al. **Br J Clin Pharmacol** 1985 Aug;20(2):101–6

Effects of verapamil on the response of the guinea-pig tracheal muscle to carbachol. Baba K, et al. **Br J Pharmacol** 1986 Jun;88(2):441–9

Effects of pinaverium bromide and verapamil on the motility of the rat isolated colon. Baumgartner A, et al. **Br J Pharmacol** 1985 Sep;86(1):89–94

Comparison of the effects of BRL 34915 and verapamil on electrical and mechanical activity in rat portal vein. Hamilton TC, et al. **Br J Pharmacol** 1986 May;88(1):103–11

Allosteric modification of alpha-bungarotoxin binding by the 'calcium channel antagonist' verapamil. Siegel HN, et al. **Brain Res** 1986 Jul;387(1):37–42

Intracranial pressure changes during infusions of verapamil as compared with sodium nitroprusside. Thiagarajah S, et al. **Bull NY Acad Med** 1985 Sep;61(7):650–6

Haemodynamic effects of verapamil administration after large doses of fentanyl in man. Kapur PA, et al. **Can Anaesth Soc J** 1986 Mar;33(2):138–44

Modification of cardiac sarcolemmal Na+-Ca2+ exchange by diltiazem and verapamil. Takeo S, et al. **Can J Cardiol** 1985 Mar;1(2):131–8

Effect of verapamil on ventilation and chemical control of breathing in anesthetized rats. Chapman RW. **Can J Physiol Pharmacol** 1985 Dec;63(12):1608–11

Influence of low extracellular Ca2+ ions on the cardiac function changes induced by verapamil in the perfused rabbit heart. Fortier PA, et al. **Can J Physiol Pharmacol** 1985 Nov;63(11):1429–34

The effect of D600 on tonic tension, Na+ inward current, and Na+-Ca2+ exchange in frog heart. Horackova M. **Can J Physiol Pharmacol** 1985 Nov;63(11):1404–10

The effect of lidocaine compared with verapamil on the enhanced ventricular rhythm in the infarcted canine heart. Kinnaird AA, et al. **Can J Physiol Pharmacol** 1986 Apr; 64(4):472–6

Chronic treatment of rats with D-600 causes a compensatory decrease in the calcium requirement for contractility of vascular smooth and cardiac muscles. Pang CC, et al. **Can J Physiol Pharmacol** 1985 May;63(5):495–9

Potentiation of 4'-(9-acridinylamino)methanesulphon-m-anisidine) action by verapamil. Darkin S, et al. **Cancer Lett** 1986 Jan; 30(1):25–33

Reversal of Vinca alkaloid resistance but not multiple drug resistance in human leukemic cells by verapamil. Beck WT, et al. **Cancer Res** 1986 Feb;46(2):778–84

Verapamil-mediated sensitization of doxorubicin-selected pleiotropic resistance in human sarcoma cells: selectivity for drugs which produce DNA scission. Harker WG, et al. **Cancer Res** 1986 May;46(5):2369–73

Effects of verapamil on ischemia-induced changes in extracellular K+, pH, and local activation in the pig. Fleet WF, et al. **Circulation** 1986 Apr;73(4):837–46

Disparate effects of the calcium-channel blockers, nifedipine and verapamil, on alpha 2-adrenergic receptors and thromboxane A2-induced aggregation of human platelets. Johnson GJ, et al. **Circulation** 1986 Apr;73(4):847–54

Effects of verapamil and sodium cromoglycate on bronchoconstriction induced by isocapnic hyperventilation. Rafferty P, et al. **Clin Allergy** 1985 Nov;15(6):531–4

Neurotransmitter release, vascular responsiveness and their suppression by Ca-antagonist in perfused mesenteric vasculature of DOCA-salt hypertensive rats. Tsuda K, et al. **Clin Exp Hypertens [A]** 1986;8(2):259–75

Verapamil-induced secretion of active and inactive renin in conscious sheep. Mzail AH, et al. **Clin Exp Pharmacol Physiol** 1986 Mar;13(3):187–94

The influence of verapamil on renal function in patients treated with cisplatin. Offerman JJ, et al. **Clin Nephrol** 1985 Nov;24(5):249–55

Changes in antipyrine and indocyanine green kinetics during nifedipine, verapamil, and diltiazem therapy. Bauer LA, et al. **Clin Pharmacol Ther** 1986 Aug;40(2):239–42

Effects of verapamil alone and with captopril on blood pressure and bilateral renal function in Goldblatt hypertensive rats. Huang WC. **Clin Sci** 1986 May; 70(5):453–60

The effect of verapamil and inspired CO2 on the bronchoconstriction provoked by hyperventilation in normal humans. Twort CH, et al. **Clin Sci** 1985 Sep; 69(3):361–4

Effects of taurine and verapamil on heart calcium in hamsters and rats. McBroom MJ, et al. **Comp Biochem Physiol [C]** 1985;82(2):279–81

Effect of cyanide and verapamil on sodium-free contractures in the frog heart. Volkmann R, et al. **Comp Biochem Physiol [C]** 1986;84(2):247–55

Effects of calcium antagonists and calcium-buffered salines on wound healing in Xenopus early embryos. Stanisstreet M, et al. **Cytobios** 1986;46(184):25–35

Influence of verapamil on gastric acid secretion and gastrin release in dogs. Grimm G, et al. **Digestion** 1985;32(4):282–7

The haemodynamic effects of nifedipine, verapamil and diltiazem in patients with coronary artery disease. A review. Soward AL, et al. **Drugs** 1986 Jul;32(1):66–101 (132 ref.)

Post-extra systolic potentiation: influence of calcium and verapamil in rat and rabbit hearts. Kerker JP, et al. **Eur Heart J** 1985 Jun;6(6):532–8

Effect of verapamil on renal plasma flow, glomerular filtration rate and plasma angiotensin II, aldosterone and arginine vasopressin in essential hypertension. Sørensen SS, et al. **Eur J Clin Pharmacol** 1985;29(3):257–61

Intrinsic and reflex actions of verapamil and nifedipine: assessment in normal subjects by noninvasive techniques and autonomic blockade. Stern HC, et al. **Eur J Clin Pharmacol** 1986;29(5):541–7

The action of two mast cell stabilising agents and verapamil on rat gastric acid secretion in vitro. Canfield P, et al. **Eur J Pharmacol** 1985 Oct 8;116(1-2):89–95

D600 as a direct blocker of Ca-dependent K currents in Helix neurons. Gola M, et al. **Eur J Pharmacol** 1985 Nov 19; 117(3):311–22

Epithelium removal increases the reactivity of human isolated tracheal muscle to methacholine and reduces the effect of verapamil. Raeburn D, et al. **Eur J Pharmacol** 1986 Apr 29;123(3):451–3

Effects of verapamil on activation of arachidonic acid metabolism in guinea-pig lungs. Seale JP, et al. **Eur J Pharmacol** 1986 Jan 29;120(3):329–34

Frequency-dependent effect of verapamil on rat soleus muscle. Kotsias BA, et al. **Experientia** 1985 Dec 15; 41(12):1538–40

Verapamil reversal of serotonin-induced jejunal secretion of water and electrolytes in awake dogs. Zinner MJ, et al. **Gastroenterology** 1986 Mar;90(3):515–9

Verapamil as an apparent competitive antagonist of the serotonin receptor of rabbit isolated aorta. Auguet M, et al. **Gen Pharmacol** 1986;17(2):133–5

Effects of compound D600 (methoxyverapamil) on drug-induced contractions of isolated dog uterine muscle. Calixto JB, et al. **Gen Pharmacol** 1986;17(2):203–9

Pharmacological characterization of the effects of verapamil and nifedipine on isolated guinea-pig lung parenchymal strip. Cortijo J, et al. **Gen Pharmacol** 1986;17(2):211–7

Effects of five days verapamil administration on serum GH and PRL levels. Maestri E, et al. **Horm Metab Res** 1985 Sep;17(9):482

Effects of verapamil on platelet aggregation and serum thromboxane synthesis in vitro and in vivo. Strano A, et al. **Int Angiol** 1985 Jul-Sep;4(3):379–82

Further observations on junctional rhythm: role of verapamil [letter] Santinelli V, et al. **J Am Coll Cardiol** 1986 Jul; 8(1):255–6

Verapamil and zero Ca2+ alter responses of cat muscle to halothane and caffeine. Deuster PA, et al. **J Appl Physiol** 1986 Mar;60(3):935–41

Reversal of natural resistance to bouvardin (NSC 259968) in sarcoma 180 cells in vitro and in vivo by verapamil. Chitnis MP, et al. **J Cancer Res Clin Oncol** 1985; 110(3):221–4

Effect of gradual rise in plasma calcium concentration on the impairment of atrioventricular nodal conduction due to verapamil. Lang J, et al. **J Cardiovasc Pharmacol** 1986 Jan-Feb;8(1):6–13

Potentiation of the negative chronotropic action of verapamil by ethanol. Posner P, et al. **J Cardiovasc Pharmacol** 1986 Jul-Aug;8(4):697–9

Effect of verapamil on regional myocardial contraction during graded ischemia in the dog. Romson JL, et al. **J Cardiovasc Pharmacol** 1986 Jan-Feb;8(1):71–6

Comparative effects of nitrendipine and verapamil on neuroeffector transmission in the rabbit ear artery. Steinsland OS, et al. **J Cardiovasc Pharmacol** 1985 Sep-Oct; 7(5):990–5

Effect of verapamil directly administered into A-V node artery on A-V junctional automaticity and A-V conduction in dogs. Yano K, et al. **J Cardiovasc Pharmacol** 1985 Nov-Dec;7(6):1027–33

Verapamil favorably influences hepatic microvascular exchange and function in rats with cirrhosis of the liver. Reichen J, et al. **J Clin Invest** 1986 Aug;78(2):448–55

Verapamil pharmacodynamics after intravenous and oral dosing: theoretic consideration. Colburn WA, et al. **J Clin Pharmacol** 1986 Jan;26(1):71–3

Calcium sensitivity and cardiac performance in genetic and renal models of hypertension. Raine AE, et al. **J Hypertension [Suppl]** 1983 Dec;1(2):85–7

Small increments in plasma calcium concentration reduce the responsiveness of forearm resistance vessels to verapamil in men with primary hypertension. Robinson BF, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S507–9

Lack of effect of lodoxamide and verapamil on antimicrobial action in vitro [letter] McGregor JA, et al. **J Infect Dis** 1986 Sep;154(3):542–3

Systemic hypertension induces disparate localized left ventricular action potential lengthening and altered sensitivity to verapamil in left ventricular myocardium. Cameron JS, et al. **J Mol Cell Cardiol** 1986 Feb; 18(2):169–75

Calcium induced reversible alterations in excitation-contraction coupling in verapamil treated rat myocardium. Capasso JM. **J Mol Cell Cardiol** 1985 Mar; 17(3):275–83

The influence of verapamil and its isomers on vulnerability to ventricular fibrillation during acute myocardial ischemia and adrenergic stimulation in isolated rat heart. Thandroyen FJ, et al. **J Mol Cell Cardiol** 1986 Jun; 18(6):645–9

The link between myocardial contraction and relaxation: the effects of calcium antagonists. Vittone L, et al. **J Mol Cell Cardiol** 1985 Mar;17(3):255–63

Effect of verapamil on prostaglandin E2 synthesis by hydronephrotic rabbit cortical interstitial cells in primary culture. Danon A, et al. **J Pharmacol Exp Ther** 1986 Jul; 238(1):125–30

A pharmacological explanation of the use-dependency of the verapamil (and D-600) block of slow calcium channels. Frank GB. **J Pharmacol Exp Ther** 1986 Feb;236(2):505–11

Regional differences in relaxation of electric field-stimulated canine airway smooth muscle by verapamil, isoproterenol and prostaglandin E2. Moore DH, et al. **J Pharmacol Exp Ther** 1986 Jul;238(1):76–82

Synaptic facilitation by 3-aminopyridine and its antagonism by verapamil and diltiazem. Riker WK, et al. **J Pharmacol Exp Ther** 1985 Nov;235(2):431–5

Interactions between verapamil and morphine on physiological parameters in rats. Szikszay M, et al. **J Pharmacol Exp Ther** 1986 Jul;238(1):192–7

Intravesical instillation of a calcium entry blocker and its effects on detrusor contractility: in vitro and vivo experiments. Gotoh M, et al. **J Urol** 1986 Jun;135(6):1304–7

The effect of verapamil on reperfusion arrhythmia in canine heart. Sugiyama S, et al. **Jpn Circ J** 1985 Dec; 49(12):1235–42

Modulation by verapamil of hormonal action on the Henle's loop of mice. Takeda K, et al. **Kidney Int** 1986 Apr; 29(4):863–9

The effect of verapamil is reduced in isolated airway smooth muscle preparations lacking the epithelium. Raeburn D,

et al. **Life Sci** 1986 Mar 3;38(9):809–16

Vasomotor effects of magnesium: a comparison with nifedipine and verapamil of in vitro reactivity in feline cerebral and peripheral arteries. Sjögren A, et al. **Magnesium** 1986;5(2):66–75

Studies on the comparative coronary vasodilator, vasodepressor and antiarrhythmic actions of gallopamil (D–600) and nisoldipine (Bay K 5552). Basu DK, et al. **Mater Med Pol** 1985 Apr–Jun;17(2):103–6

The effects of norepinephrine and acetylcholine in the vas deferens from normal and diabetic rats: influence of ouabain and verapamil. Peredo H, et al. **Methods Find Exp Clin Pharmacol** 1985 Nov;7(11):573–7

The stimulatory action of the calcium channel agonist Bay K 8644 on isolated duodenal muscle. Antagonism by nifedipine and verapamil. Coruzzi G, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Nov; 331(2–3):290–2

Regional differences in the actions of verapamil and isosorbide dinitrate on rabbit and dog vascular smooth muscle. Ishikawa S, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Dec; 331(4):376–83

Effect of verapamil on the non-adrenergic response of the field stimulated rat vas deferens. Raviprakash V, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Dec; 331(4):347–50

Evidence for down-regulation of 3H-nitrendipine recognition sites in mouse brain after long-term treatment with nifedipine or verapamil. Panza G, et al. **Neuropharmacology** 1985 Nov;24(11):1113–7

Age-dependent cardiovascular effects of verapamil in newborn swine. Jarenwattananon M, et al. **Pediatr Res** 1986 May;20(5):428–32

Effect of Ca2+ antagonists on mechanical function in the neonatal heart. Seguchi M, et al. **Pediatr Res** 1986 Sep; 20(9):838–42

Verapamil-induced behavioral, autonomic and motor effects in cats. Beleslin DB, et al. **Pharmacol Biochem Behav** 1986 Feb;24(2):329–31

Effects of phencyclidine, N-allyl-N-normetazocine (SKF-10,047), and verapamil on performance in a radial maze. McCann DJ, et al. **Pharmacol Biochem Behav** 1986 Feb;24(2):187–91

Verapamil does not antagonize LSD-induced stimulus control. Winter JC. **Pharmacol Biochem Behav** 1986 Jul; 25(1):227–8

Verapamil intensifies neuromuscular blockade produced by gallamine and pancuronium at the chick neuromuscular junction. Wali FA. **Pharmacol Res Commun** 1986 Jun; 18(6):529–41

Effects of verapamil, carbenoxolone and N-acetylcysteine on gastric wall mucus and ulceration in stressed rats. Koo MW, et al. **Pharmacology** 1986;32(6):326–34

Comparison of the effects of nifedipine, diltiazem and verapamil on the mechanical activity of rabbit papillary muscles induced by barium chloride. Roy F, et al. **Pharmacology** 1986;33(2):69–75

Antagonism between norepinephrine and the Ca++ channel blockers nifedipine and verapamil in isolated guinea pig ventricle. Woods JP, et al. **Proc West Pharmacol Soc** 1985; 28:11–4

The molecular features of verapamil that promote myocardial enzyme leakage. Cohen L, et al. **Res Commun Chem Pathol Pharmacol** 1986 Mar; 51(3):379–92

Effects of certain CNS depressants and verapamil on cGMP in the cerebellum of rats. Szot P, et al. **Res Commun Chem Pathol Pharmacol** 1985 Nov; 50(2):309–12

Comparative actions of pentobarbital and verapamil on canine cerebral and peripheral arteries in vitro. Wendling WW, et al. **Res Commun Chem Pathol Pharmacol** 1985 Aug; 49(2):189–202

Effects of trifluoperazine and verapamil on the hydro-osmotic response to antidiuretic hormone in the urinary bladder of the toad. Kipnowski J, et al. **Res Exp Med (Berl)** 1985;185(5):367–74

Effects of verapamil on the smooth muscle of the horse urinary tract. Costa G, et al. **Res Vet Sci** 1985 Nov; 39(3):320–3

The effect of verapamil on pancreatic exocrine secretion. Burns GP, et al. **Surgery** 1986 Apr;99(4):474–80

Calcium antagonists and myocardial protection: a comparative study of the functional, metabolic and electrical consequences of verapamil and nifedipine as additives to the St. Thomas' cardioplegic solution. Yamamoto F, et al. **Thorac Cardiovasc Surg** 1985 Dec; 33(6):354–9

In vitro and in vivo effect of verapamil on human airway responsiveness to leukotriene D4. Roberts JA, et al. **Thorax** 1986 Jan;41(1):12–6

Effect of calcium and calcium antagonists on [3H]-Paf-acether binding to washed human platelets. Wade PJ, et al. **Thromb Res** 1986 Jan 15;41(2):251–62

Effect of heparin on platelet aggregation inhibited by PGI2, trifluoperazine and verapamil. Weber DR, et al. **Thromb Res** 1986 May 15;42(4):477–87

The effect of verapamil on the cardiotoxic activity of Portuguese man-o'war (Physalia physalis) and sea nettle (Chrysaora quinquecirrha) venoms. Burnett JW, et al. **Toxicon** 1985;23(4):681–9

Potentiation of cyclosporine by verapamil in vitro. McMillen MA, et al. **Transplantation** 1985 Oct;40(4):444–6

The effect of verapamil on renal function after warm and cold ischemia in the isolated perfused rat kidney. Shapiro JI, et al. **Transplantation** 1985 Dec;40(6):596–600

[A specific method of suppressing sinoatrial nodal automaticity] Cai YY. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1985 Jun; 13(2):135–6 (Chi)

[Anti-slow reacting substance of anaphylaxis effect of verapamil] Zhang HQ, et al. **Chung Kuo Yao Li Hsueh Pao** 1985 Jun;6(2):110–2 (Eng. Abstr.) (Chi)

[Effect of verapamil on the action of isoproterenol] Zou HL, et al. **Yao Hsueh Hsueh Pao** 1985 Mar;20(3):173–7 (Eng. Abstr.) (Chi)

[Comparative effect of a new calcium antagonist, BRL 40015, and verapamil on LH secretion from cultured pituitary cells] Delaunay T, et al. **C R Acad Sci [III]** 1985; 300(17):627–32 (Eng. Abstr.) (Fre)

[Interaction between forskolin and verapamil on spontaneous contractions of isolated guinea pig atria] Prostran M, et al. **C R Soc Biol (Paris)** 1985;179(3):316–9 (Eng. Abstr.) (Fre)

[Effects of verapamil and propranolol on bronchoconstriction induced by leukotriene D4 in the isolated perfused guinea pig lung] Trockle G, et al. **J Pharmacol** 1985 Oct–Dec; 16(4):454–8 (Eng. Abstr.) (Fre)

[In vitro effect of verapamil on the function of isolated mitochondria of the rabbit heart perfused under conditions of aerobiosis, ischemia and reperfusion] Ferrari R, et al. **Cardiologia** 1982;27(4):351–6 (Ita)

[Acute administration of verapamil in stable angina: increase of the coronary reserve during the exertion test] Gridelli C, et al. **Cardiologia** 1985 Jun;30(6):449–54 (Eng. Abstr.) (Ita)

[Different sites of action of diltiazem, nifedipine and verapamil on the myocardium and aortic and coronary smooth muscles] Raddino R, et al. **Cardiologia** 1986 Jan; 31(1):47–53 (Eng. Abstr.) (Ita)

[Action of low doses of vincristine, lidocaine and verapamil on DNA replication in vitro] Vietti Ramus G, et al. **Minerva Med** 1986 May 19;77(21):917–22 (Eng. Abstr.) (Ita)

[Acute hemodynamic effect of verapamil, used intravenously, in patients with primary dilated cardiomyopathy] Manfroi WC, et al. **Arq Bras Cardiol** 1985 Nov;45(5):371–5 (Eng. Abstr.) (Por)

[Effect of verapamil on the molecular characteristics of myocardial actomyosin in experimental ischemia] Kalfadzhian MA, et al. **Biull Eksp Biol Med** 1986 Jan; 101(1):46–8 (Eng. Abstr.) (Rus)

[Effect of isoptin and euphylline on calcium- and carbacholine-induced contractile activity of isolated intestinal strips of rats of various ages] Markova IV, et al. **Farmakol Toksikol** 1985 Sep–Oct;48(5):72–5 (Eng. Abstr.) (Rus)

[Effect of verapamil and nifedipine on the fractional composition of calcium in the blood serum] Merzon KA. **Kardiologiia** 1985 Jul;25(7):89–93 (Eng. Abstr.) (Rus)

[Effect of isoptin on hemodynamics in patients with hypertension and ischemic heart disease] Zaslavskaia RM, et al. **Klin Med (Mosk)** 1985 Aug;63(8):53–6 (Eng. Abstr.) (Rus)

[Inhibition of mastocyte granulation by 2 calcium antagonists: verapamil and diltiazem] Manso G, et al. **Arch Farmacol Toxicol** 1985 Aug;11(2):85–90 (Eng. Abstr.) (Spa)

[Effect of verapamil on the sinus node and atrioventricular conduction in the canine heart] Leguizamón Palumbo JR, et al. **Medicina (B Aires)** 1984;44(4):383–91 (Eng. Abstr.) (Spa)

POISONING

[Antidote therapy in poisonings by calcium antagonists (letter)] Strubelt O. **Dtsch Med Wochenschr** 1985 Oct 11; 110(41):1592 (Ger)

[Fatal verapamil poisoning] Børkje B, et al. **Tidsskr Nor Laegeforen** 1986 Feb 20;106(5):401–2 (Eng. Abstr.) (Nor)

THERAPEUTIC USE

Coronary vasospasm after myocardial revascularisation. Treatment by verapamil. Capouet V, et al. **Acta Anaesthesiol Belg** 1986;37(1):53–7

Verapamil in parasystolic ventricular tachycardia and other wide QRS rhythms. Massumi RA, et al. **Am Heart J** 1986 Feb;111(2):400–5

An unusual ventricular tachycardia responsive to verapamil. Strasberg B, et al. **Am Heart J** 1986 Jan;111(1):190–2

A symposium: Calcium antagonists in hypertension—focus on verapamil. November 15–17, 1985, Mexico City, Mexico. November 27, 1984, Bangkok, Thailand. **Am J Cardiol** 1986 Feb 26;57(7):1D–107D

Verapamil in wide complex tachycardia [letter] Duncy M, et al. **Am J Cardiol** 1986 Apr 1;57(10):897–8

Combination of verapamil and beta blockers in systemic hypertension. Dargie H, et al. **Am J Cardiol** 1986 Feb 26; 57(7):80D–82D

Comparative study of the antihypertensive effect of verapamil and atenolol. Escudero J, et al. **Am J Cardiol** 1986 Feb 26;57(7):54D–58D

Late follow-up (41 to 102 months) of medically treated patients with coronary artery spasm and minor atherosclerotic coronary obstructions. Freedman SB, et al. **Am J Cardiol** 1986 Jun 1;57(15):1261–3

Calcium antagonists in systemic hypertension: focus on verapamil. Concluding remarks. Part I. Laragh JH. **Am J Cardiol** 1986 Feb 26;57(7):87D–89D

Long-term results with verapamil in essential hypertension and its influence on serum lipids. Lewis GR. **Am J Cardiol** 1986 Feb 26;57(7):35D–38D

Efficacy of verapamil in patients resistant to other antihypertensive therapy. Luna RL, et al. **Am J Cardiol** 1986 Feb 26;57(7):64D–68D

A multicenter study of verapamil in systemic hypertension in Thailand. Nontakanun S, et al. **Am J Cardiol** 1986 Feb 26;57(7):106D–107D

Left ventricular function after a single large dose of verapamil. Ortiz J, et al. **Am J Cardiol** 1986 Feb 26; 57(7):30D–34D

Comparison of verapamil and propranolol therapy for angina pectoris at rest: a randomized, multiple-crossover, controlled trial in the coronary care unit. Parodi O, et al. **Am J Cardiol** 1986 Apr 15;57(11):899–906

Calcium antagonists and beta blockers in the control of mild to moderate systemic hypertension, with particular reference to verapamil and propranolol. Singh BN, et al. **Am J Cardiol** 1986 Feb 26;57(7):99D–105D

Increased quinidine plasma concentrations during administration of verapamil: a new quinidine–verapamil interaction. Trohman RG, et al. **Am J Cardiol** 1986 Mar 1;57(8):706–7

Short- and long-term treatment of mild to moderate hypertension with verapamil. Wicker P, et al. **Am J Cardiol** 1986 Feb 26;57(7):83D–86D

Verapamil in the treatment of ventricular tachycardia. Sternbach G, et al. **Am J Emerg Med** 1985 Nov;3(6):536–40

Transplacental treatment of tachycardia-induced fetal heart failure with verapamil and amiodarone: a case report. Rey E, et al. **Am J Obstet Gynecol** 1985 Oct 1;153(3):311–2

Verapamil preserves adenine nucleotide pool in cardiomyopathic Syrian hamster. Wikman-Coffelt J, et al. **Am J Physiol** 1986 Jan;250(1 Pt 2):H22–8

Attenuation of permeability lung injury after phorbol myristate acetate by verapamil and OKY-046. Allison RC, et al. **Am Rev Respir Dis** 1986 Jul;134(1):93–100

Effects of the calcium channel blocker, verapamil, on asthmatic airway responses to muscarinic, histaminergic, and allergenic stimuli. Fish JE, et al. **Am Rev Respir Dis** 1986 May;133(5):730–4

Verapamil treatment of intractable reperfusion ventricular tachycardia/fibrillation [letter] Baraka A, et al. **Anesth Analg** 1986 Jan;65(1):102–3

Nifedipine or verapamil counteracts hypertension in gravid ewes. Norris MC, et al. **Anesthesiology** 1986 Sep; 65(3):254–8

Tachyphylaxis to verapamil [letter] Aderka D, et al. **Arch Intern Med** 1986 Jan;146(1):207

Treatment of atrial arrhythmias. Effectiveness of verapamil when preceded by calcium infusion. Haft JI, et al. **Arch Intern Med** 1986 Jun;146(6):1085–9

Abrupt change from propranolol to verapamil. Safety and feasibility in stable angina pectoris. Winniford MD, et al. **Arch Intern Med** 1986 Apr;146(4):795

Effects of verapamil in the prevention of warm ischaemia induced acute renal failure in dogs. Eisinger DR, et al. **Aust NZ J Surg** 1985 Aug;55(4):391–6

A negative, double-blind, placebo-controlled, clinical trial of verapamil in chronic schizophrenia. Grebb JA, et al. **Biol Psychiatry** 1986 Jun;21(7):691–4

Echocardiographic evaluation of verapamil in Friedreich's ataxia. Casazza F, et al. **Br Heart J** 1986 Apr;55(4):400–4

Comparison of nitroglycerine, verapamil and nifedipine in the management of arterial pressure during coronary artery surgery. van Wezel HB, et al. **Br J Anaesth** 1986 Mar; 58(3):267–73

Verapamil and diarrhoea in the carcinoid syndrome—clinical and experimental observations on serotonin release. Ahlman H, et al. **Br J Cancer** 1986 Aug;54(2):251–6

Verapamil potentiation of melphalan cytotoxicity and cellular uptake in murine fibrosarcoma and bone marrow. Robinson BA, et al. **Br J Cancer** 1985 Dec;52(6):813–22

Verapamil and beta-blockers in hypertension: a beneficial drug interaction? Dargie HJ. **Br J Clin Pract [Symp Suppl]** 1985 Jun;42:44–7

Verapamil in angina pectoris. Poole-Wilson PA. **Br J Clin Pract [Symp Suppl]** 1985 Jun;42:3–8

Once-daily verapamil—an objective evaluation in stable angina pectoris using treadmill exercise testing. Raftery EB. **Br J Clin Pract [Symp Suppl]** 1985 Jun;42:17–23

The efficacy of a slow-release formulation of verapamil. Taylor SH. **Br J Clin Pract [Symp Suppl]** 1985 Jun;42:34

Effect of isosorbide dinitrate, verapamil, and labetalol on portal pressure in cirrhosis. Freeman JG, et al. **Br Med J [Clin Res]** 1985 Aug 31;291(6495):561–2

Verapamil in bipolar illness. Solomon L, et al. **Can J Psychiatry** 1986 Jun;31(5):442–4

Verapamil potentiation of VP-16-213 in acute lymphatic leukemia and reversal of pleiotropic drug resistance. Slater LM, et al. **Cancer Chemother Pharmacol** 1986;16(1):50–4

Effects of verapamil and bepridil on occlusion and reperfusion arrhythmias in the canine heart. Pelleg A, et

al. **Cardiology** 1985;72(4):193–201
Verapamil induced increment of oxygen extraction in the arteriosclerotic limb. Bagger JP, et al. **Cardiovasc Res** 1985 Sep;19(9):567–9
The calcium channel blocker verapamil and cancer chemotherapy. Simpson WG. **Cell Calcium** 1985 Dec; 6(6):449–67 (39 ref.)
Atrial arrhythmias exacerbated by theophylline. Response to verapamil and evidence for triggered activity in man. Marchlinski FE, et al. **Chest** 1985 Dec;88(6):931–4
Verapamil in tachycardia therapy [letter] Schettini B, et al. **Chest** 1986 Apr;89(4):616
Increased survival with calcium antagonists in antibiotic–treated bacteremia. Bosson S, et al. **Circ Shock** 1986;19(1):69–74
Verapamil improves cardiac function and increases survival in canine E. coli endotoxin shock. Bosson S, et al. **Circ Shock** 1985;16(3):307–16
Acute spinal cord ischemia: prevention of paraplegia with verapamil. Gelbfish JS, et al. **Circulation** 1986 Sep;74(3 Pt 2):I5–10
Does verapamil improve left ventricular relaxation in patients with myocardial hypertrophy? Hess OM, et al. **Circulation** 1986 Sep;74(3):530–43
Successful management of atrial flutter in a newborn with verapamil. Casta A, et al. **Clin Cardiol** 1985 Nov; 8(11):597–8
Verapamil prevents post–transplant oliguric renal failure. Duggan KA, et al. **Clin Nephrol** 1985 Dec;24(6):289–91
Calcium entry–blockade with verapamil in cyclosporine A plus ischemia induced acute renal failure in rats. Iaina A, et al. **Clin Nephrol** 1986;25 Suppl 1:S168–70
Effects of verapamil, diltiazem, and nifedipine on plasma levels and renal excretion of digitoxin. Kuhlmann J. **Clin Pharmacol Ther** 1985 Dec;38(6):667–73
Significance and management of intractable supraventricular arrhythmias in critically ill patients. Edwards JD, et al. **Crit Care Med** 1986 Apr;14(4):280–2
Use of constant–infusion verapamil for the treatment of postoperative supraventricular tachycardia. Iberti TJ, et al. **Crit Care Med** 1986 Apr;14(4):283–4
Insulinoma in a 94–year–old woman: long–term therapy with verapamil. Ulbrecht JS, et al. **Diabetes Care** 1986 Mar–Apr; 9(2):186–8
Digitalis and verapamil in atrial fibrillation and flutter. Is verapamil now the preferred agent? Klein HO, et al. **Drugs** 1986 Mar;31(3):185–97 (108 ref.)
Randomized placebo–controlled comparative study of nifedipine, verapamil and isosorbide dinitrate in the treatment of angina at rest. Rizzon P, et al. **Eur Heart J** 1986 Jan;7(1):67–76
Migraine and cluster headache treatment with calcium antagonists supports a vascular pathogenesis. Meyer JS, et al. **Headache** 1985 Oct;25(7):358–67
The hemodynamic effect of verapamil on portal hypertension in patients with postnecrotic cirrhosis. Kong CW, et al. **Hepatology** 1986 May–Jun;6(3):423–6
Ventricular tachycardia during exercise treated by verapamil. Jordaens L, et al. **Int J Cardiol** 1986 Apr;11(1):9–15
Oral verapamil fails to prevent supraventricular tachycardia following coronary artery surgery. Smith EE, et al. **Int J Cardiol** 1985 Sep;9(1):37–44
Atrioventricular junctional escape rhythm suppressed by verapamil: evidence suggesting abnormal automaticity. Tenczer J, et al. **Int J Cardiol** 1986 Jun;11(3):359–61
Similarities and differences in the antihypertensive effect of two calcium antagonist drugs, verapamil and nifedipine. Agabiti–Rosei E, et al. **J Am Coll Cardiol** 1986 Apr; 7(4):916–24
Comparative antiarrhythmic efficacy of verapamil, 17–monochlorsecetylajmaline, mexiletine and amiodarone in patients with severe chagasic myocarditis: relation with the underlying arrhythmogenic mechanisms. Haedo AH, et al. **J Am Coll Cardiol** 1986 May;7(5):1114–20
Clinical digoxin toxicity in the aged in association with co–administered verapamil. A report of two cases and review of the literature. Gordon M, et al. **J Am Geriatr Soc** 1986 Sep;34(9):659–62
Reduction of infarct size by early use of oral propranolol and verapamil in acute myocardial infarction. Gupta RC, et al. **J Assoc Physicians India** 1985 Sep;33(9):577–80
Verapamil treatment of acute mania. Brotman AW, et al. **J Clin Psychiatry** 1986 Mar;47(3):136–8
Verapamil in the treatment of premenstrual syndrome: case report. Price WA, et al. **J Clin Psychiatry** 1986 Apr; 47(4):213–4
Treatment of schizophrenia with verapamil [letter] Price WA, et al. **J Clin Psychopharmacol** 1986 Aug;6(4):249
Chronic verapamil administration lowers portal pressure and improves hepatic function in rats with liver cirrhosis. Reichen J, et al. **J Hepatol** 1986;3(1):49–58
Effect of nifedipine and verapamil on alpha–receptor–activation in patients with essential hypertension. Fritschka E, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S535–8
Hypotensive action of calcium antagonists as related to plasma noradrenaline and reactivity to noradrenaline. Schwietzer G, et al. **J Hypertension [Suppl]** 1983 Dec; 1(2):102–4
Comparison of the protective effects of verapamil, diltiazem, nifedipine, and buffer containing low calcium upon global myocardial ischemic injury. Watts JA, et al. **J Mol Cell Cardiol** 1986 Mar;18(3):255–63
Protection by verapamil of globally ischemic rat hearts: energy preservation, a partial explanation. Watts JA, et al. **J Mol Cell Cardiol** 1985 Aug;17(8):797–804
Multiple sclerosis: failure of treatment with verapamil in a pilot trial. Komoly S, et al. **J Neurol** 1986 Feb;233(1):59–60
Verapamil–induced changes in central conduction in patients with multiple sclerosis. Gilmore RL, et al. **J Neurol Neurosurg Psychiatry** 1985 Nov;48(11):1140–6
Effects of verapamil and diltiazem on acute stroke in cats. Roy MW, et al. **J Neurosurg** 1985 Dec;63(6):929–36
Effects of verapamil and diltiazem: correction [letter] Stern WE. **J Neurosurg** 1986 Jul;65(1):130
Use of combined calcium channel blockers for therapy of refractory angina pectoris. James WE 3d, et al. **J SC Med Assoc** 1986 Feb;82(2):65–8
Oral verapamil for prophylaxis of supraventricular tachycardia after myocardial revascularization. A randomized trial. Williams DB, et al. **J Thorac Cardiovasc Surg** 1985 Oct;90(4):592–6
Management of acute PCP intoxication with verapamil. Price WA, et al. **J Toxicol Clin Toxicol** 1986;24(1):85–7
Idiopathic sustained ventricular tachycardia responsive to verapamil: clinical electrocardiographic and electrophysiologic considerations. Kasanuki H, et al. **Jpn Circ J** 1986 Jan;50(1):109–18
Paradoxical effect of sodium restriction on blood pressure in people on slow–channel calcium blocking drugs [letter] Morgan T, et al. **Lancet** 1986 Apr 5;1(8484):793
Trials of verapamil and dantrolene sodium in McArdle disease [letter] Lane RJ, et al. **Muscle Nerve** 1984 Sep; 7(7):592–4
Verapamil in arterial hypertension with renal disease [letter] Boero R, et al. **Nephron** 1986;44(1):80
Multiform atrial tachycardia. Chen PH. **NJ Med** 1986 Feb; 83(2):105–7
Verapamil in idiopathic ventricular tachycardia of right bundle branch block morphology: observations during electrophysiologic and exercise testing. Sethi KK, et al. **PACE** 1986 Jan;9(1 Pt 1):8–16
Comparison of verapamil and nifedipine in thrombosis models. Myers AK, et al. **Proc Soc Exp Biol Med** 1986 Oct;183(1):86–91
Calcium antagonists in mania: a double–blind study of verapamil. Dubovsky SL, et al. **Psychiatry Res** 1986 Aug; 18(4):309–20
Use of calcium antagonists in mania. Dose M, et al. **Psychosexuroendocrinology** 1986;11(2):241–3
[Dazoxiben compared with verapamil in the treatment of stable angina pectoris evaluated by an exercise test] Mogensen F, et al. **Ugeskr Laeger** 1985 Jul 15; 147(29):2299–302 (Eng. Abstr.) (Dan)
[Effect of calcium inhibitors on sympathetic activity] de Leeuw PW, et al. **Arch Mal Coeur** 1985 Nov;78 Spec No:51–4 (Eng. Abstr.) (Fre)
[Arterial hypertension with orthostatic hypotension caused by dysregulation of the baroreflex. Correction with domperidone and verapamil (letter)] Chamontin B, et al. **Presse Med** 1986 Mar 22;15(12):581 (Fre)
[Successful treatment of fetal tachycardia with verapamil (Falicard)—case report] Adrian B, et al. **Kinderarztl Prax** 1986 Jun;54(6):325–8 (Eng. Abstr.) (Ger)
[Controlled study on the treatment of hypertension with verapamil in retard form] Belz GG, et al. **Z Kardiol** 1985 Aug;74(8):453–9 (Eng. Abstr.) (Ger)
[Choice of a calcium antagonist in chronic stable angina] Cantor A, et al. **Harefuah** 1985 Dec 1;109(11):324–7 (Heb)
[Verapamil in combination therapy] Palócz E, et al. **Orv Hetil** 1985 Dec 15;126(50):3089–93 (Eng. Abstr.) (Hun)
[Double–blind comparison of verapamil and propranolol in the therapy of unstable angina] Capucci A, et al. **Cardiologia** 1982;27(5):447–52 (Ita)
[Effect of verapamil on plasma levels of digoxin in man] Merola P, et al. **Cardiologia** 1982;27(7):683–7 (Ita)
[Evaluation of the efficacy of verapamil in slow–release preparations in the treatment of stable exertion angina] Scrutinio D, et al. **Cardiologia** 1982 Oct;27(10):963–71 (Eng. Abstr.) (Ita)
[Preventive therapy of migraine: flunarizine versus verapamil] Centonze V, et al. **Clin Ter** 1985 Dec 15; 115(5):333–9 (Eng. Abstr.) (Ita)
[Effects of the inhalation of verapamil in bronchial asthma] Gianotti A, et al. **Clin Ter** 1985 Oct 31;115(2):91–3 (Eng. Abstr.) (Ita)
[Diltiazem in spontaneous angina: comparison with nifedipine and verapamil] Turitto G, et al. **G Ital Cardiol** 1985 Nov; 15(11):1079–84 (Eng. Abstr.) (Ita)
[Comparison between atenolol and verapamil in the treatment of unstable angina] Ceci V, et al. **Recenti Prog Med** 1985 Sep;76(9):437–42 (Eng. Abstr.) (Ita)
[The effects of indomethacin and verapamil on dextran–induced shock in rats] Ishizaki M. **Nippon Seirigaku Zasshi** 1985;47(7):279–88 (Eng. Abstr.) (Jpn)
[Use of calcium antagonists in the treatment of bronchial asthma] Kardaszewicz B, et al. **Pol Arch Med Wewn** 1986 Feb;75(2):142–5 (25 ref.) (Pol)
[Verapamil in the hypertensive crisis] Chamma Neto M, et al. **Arq Bras Cardiol** 1985 Feb;44(2):135–7 (Eng. Abstr.) (Por)
[Effect of the chronic use of verapamil, by oral route, in patients with primary dilated cardiomyopathy: a new therapeutic approach?] Manfroi WC, et al. **Arq Bras Cardiol** 1985 Oct;45(4):293–8 (Eng. Abstr.) (Por)
[Changes in the contractile and electrical activity of the myocardium of the rat in response to verapamil in the presence of inadequate oxygen supply] Mudraia IS, et al. **Fiziol Zh** 1986 Jan–Feb;32(1):60–6 (Eng. Abstr.) (Rus)
[Effect of isoptin on the hemodynamics of patients with circulatory insufficiency] Akhmedkhanov SSh, et al. **Kardiologiia** 1985 Jun;25(6):102–5 (Eng. Abstr.) (Rus)
[Synergism of the anti–angina effect of obzidan and finoptin in patients with effort stenocardia] Sagirov AM, et al. **Kardiologiia** 1985 Jul;25(7):81–5 (Eng. Abstr.) (Rus)
[Effect of isoptin on myocardial hemodynamics and contractility during an anginal attack induced by the atrial stimulation test] Vakhliaev VD, et al. **Kardiologiia** 1985 Aug;25(8):22–5 (Eng. Abstr.) (Rus)
[Verapamil in the combined therapy of acute pancreatitis] Zemskov VS, et al. **Klin Khir** 1985;(11):51 (Rus)
[Hemodynamic effect of verapamil and nifedipine in chronic heart failure] Merzon KA, et al. **Klin Med (Mosk)** 1986 Apr;64(4):45–9 (Eng. Abstr.) (Rus)
[Treatment of ischemic heart disease with verapamil] Ostapiuk FE, et al. **Sov Med** 1985;(11):78–81 (Rus)
[Use of verapamil in essential hypertension] Sokolov AM, et al. **Vrach Delo** 1986 Jul;(7):43–6 (Eng. Abstr.) (Rus)

TOXICITY

Verapamil hypersensitivity of vincristine resistant Chinese hamster ovary cell lines. Warr JR, et al. **Cell Biol Int Rep** 1986 May;10(5):389–99
Verapamil worsens ethanol–induced gastric ulcers in rats. Koo MW, et al. **Eur J Pharmacol** 1986 Jan 29;120(3):355–8
Altered vascular responsiveness to norepinephrine following withdrawal of verapamil in rabbits [letter] Aceto JF, et al. **J Cardiovasc Pharmacol** 1985 Sep–Oct;7(5):1011–2
Treatment of verapamil toxicity in intact dogs. Gay R, et al. **J Clin Invest** 1986 Jun;77(6):1805–11
Toxic and teratologic effects of verapamil on early chick embryos: evidence for the involvement of calcium in neural tube closure. Lee H, et al. **Teratology** 1986 Apr; 33(2):203–11
Ultrastructural evaluation of murine bladder epithelium exposed to verapamil. Tseng MT, et al. **Urol Res** 1985; 13(5):233–5

VERATRIDINE see under **VERATRINE**

VERATRINE

ANALOGS & DERIVATIVES

Purification, solubility, and pKa of veratridine. McKinney LC, et al. **Anal Biochem** 1986 Feb 15;153(1):33–8
The Bezold–Jarisch–like effect induced by veratridine and its potentiation by scropion toxin in the rat. Chianca Júnior DA, et al. **Braz J Med Biol Res** 1985;18(2):237–48
Intracellular sodium and the positive inotropic effect of veratridine and cardiac glycoside in sheep Purkinje fibers. Brill DM, et al. **Circ Res** 1986 Jan;58(1):109–19
Veratridine, angiotensin receptors and aldosteronogenesis in bovine adrenal glomerulosa cells. Ball D, et al. **Clin Exp Hypertens [A]** 1986;8(3):323–45
Evidence for different receptor sites for the novel cardiotonic S–DPI 201–106, ATX II and veratridine on the cardiac sodium channel. Scholtysik G, et al. **Eur J Pharmacol** 1986 Jun 5;125(1):111–8
Voltage–dependent gating of veratridine–modified Na channels. Leibowitz MD, et al. **J Gen Physiol** 1986 Jan; 87(1):25–46
Kinetics of veratridine action on Na channels of skeletal muscle. Sutro JB. **J Gen Physiol** 1986 Jan;87(1):1–24 (66 ref.)
Veratridine–stimulated release of amine conjugates from centrifugal fibers in the Limulus peripheral visual system. Battelle BA, et al. **J Neurochem** 1986 May;46(5):1464–72
Frequency–dependent effects of aconitine and veratridine on membrane currents in the crayfish giant axon. Warashina A. **Jpn J Physiol** 1985;35(3):463–82
The interaction between the activator agents batrachotoxin and veratridine and the gating processes of neuronal sodium channels. Rando TA, et al. **Mol Pharmacol** 1986 May; 29(5):467–77

ANALYSIS

[Determination of veratrine in blood and urine] Mironova TV. **Sud Med Ekspert** 1986 Jan–Mar;29(1):44–5 (Eng. Abstr.) (Rus)
[Determination of veratrine in putrefied cadaveric material] Mironova TV, et al. **Sud Med Ekspert** 1985 Jul–Sep; 28(3):34–5 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Veratrine– and glutamate–stimulated cGMP production in cultured rat neurons is differentially inhibited by imipramine. Novelli A, et al. **Eur J Pharmacol** 1985 Nov 26;118(1–2):189–90
Comparative cardiovascular responses to intravenous

capsaicin, phenyldiguanide, verastrum alkaloids and enkephalins in the conscious dog. Giles TD, et al. **J Auton Pharmacol** 1986 Mar;6(1):1–7

Isolated rat cardiac myocytes as an experimental model to study calcium overload: the effect of calcium–entry blockers. Donck LV, et al. **Life Sci** 1986 Mar 3;38(9):765–72

[Renal nerve activity during Bezold–Jarisch reflex in cats] Hashimoto H, et al. **Nippon Jinzo Gakkai Shi** 1985 Jun; 27(6):757–63 (Eng. Abstr.) **(Jpn)**

TOXICITY

A canine model of neurogenic pulmonary edema. Maron MB. **J Appl Physiol** 1985 Sep;59(3):1019–25

VERATRUM see under **PLANTS, TOXIC**

VERATRUM ALKALOIDS

PHARMACODYNAMICS

Inhibition of limb chondrogenesis by a Veratrum alkaloid: temporal specificity in vivo and in vitro. Campbell MA, et al. **Dev Biol** 1985 Oct;111(2):464–70

VERBAL BEHAVIOR

see related
LANGUAGE DISORDERS
SPEECH DISORDERS

The Overt Aggression Scale for the objective rating of verbal and physical aggression. Yudofsky SC, et al. **Am J Psychiatry** 1986 Jan;143(1):35–9

Acquisition, maintenance, and generalization of productive intraverbal behavior through transfer of stimulus control procedures. Luciano MC. **Appl Res Ment Retard** 1986; 7(1):1–20

Team care: an analysis of verbal behavior during patient rounds in a rehabilitation hospital. Rintala DH, et al. **Arch Phys Med Rehabil** 1986 Feb;67(2):118–22

Characteristics of verbal impairment in closed head injured patients. Sarno MT, et al. **Arch Phys Med Rehabil** 1986 Jun;67(6):400–5

If I say I'll talk more, then I will. Correspondence training to increase peer–directed talk by socially withdrawn children. Ounes PG, et al. **Behav Modif** 1986 Jul; 10(3):287–99

Children's self–speech and self–regulation during a fear–provoking behavioral test. Prins PJ. **Behav Res Ther** 1986;24(2):181–91

Therapist response modes in prescriptive vs. exploratory psychotherapy. Hardy GE, et al. **Br J Clin Psychol** 1985 Nov;24 (Pt 4):235–45

Possible frontal impairments in Parkinson's disease: a test using a measure of verbal fluency. Miller E. **Br J Clin Psychol** 1985 Sep;24 (Pt 3):211–2

The nature of reversible letter confusions in dyslexic and normal readers: misperception or mislabelling? Bigsby P. **Br J Educ Psychol** 1985 Nov;55 (Pt 3):264–72

The effect of associations and expectations on lexical decision making in normals, alcoholics, and alcoholic Korsakoff patients. Glass AL, et al. **Brain Cogn** 1985 Oct;4(4):465–76

Within– and between–modality associations in probed recall: a test of the separate–streams hypothesis. Penney CG, et al. **Can J Psychol** 1986 Mar;40(1):1–11

The behavioral and linguistic interactions of specifically language–delayed and normal boys with their mothers. Cunningham CE, et al. **Child Dev** 1985 Dec;56(6):1389–403

Adult–like temporal characteristics of mother–infant vocal interactions. Jasnow M, et al. **Child Dev** 1986 Jun; 57(3):754–61

An assessment of verbal recall, recognition and fluency abilities in patients with Huntington's disease. Butters N, et al. **Cortex** 1986 Mar;22(1):11–32

Age differences in the effects of contextual framework and word– familiarity on episodic memory. Erber JT, et al. **Exp Aging Res** 1985 Summer;11(2):101–3

Peer interactional abilities of children from four age–groups. Harris MR. **Folia Phoniatr (Basel)** 1985;37(3–4):119–28

Conversational behavior in two health care institutions for the elderly. Sigman SJ. **Int J Aging Hum Dev** 1985; 21(2):137–54

Experience–dependent recovery of visuospatial functioning in older alcoholic persons. Forsberg LK, et al. **J Abnorm Psychol** 1985 Nov;94(4):519–29

Verbal and nonverbal expression of affect in speech of schizophrenic and depressed patients. Levin S, et al. **J Abnorm Psychol** 1985 Nov;94(4):487–97

Glossolalia as learned behavior: an experimental demonstration. Spanos NP, et al. **J Abnorm Psychol** 1986 Feb;95(1):21–3

Fundamental frequency patterns during spontaneous picture description. Anderson SW, et al. **J Acoust Soc Am** 1986 Apr;79(4):1172–4

Peer intervention effects on communicative interaction among handicapped and nonhandicapped preschoolers. Goldstein H, et al. **J Appl Behav Anal** 1986 Summer; 19(2):209–14

Preparation for effective self–regulation: the development of generalized verbal control. Guevremont DC, et al. **J Appl Behav Anal** 1986 Spring;19(1):99–104

Teaching social language to moderately handicapped students. Haring TG, et al. **J Appl Behav Anal** 1986 Summer;19(2):159–71

Behavioral covariation in the treatment of delusional verbalization with contingency management. Burgio L, et al. **J Behav Ther Exp Psychiatry** 1985 Jun;16(2):173–82

Language conditioning, emotional instructions, and cognitions in conditioned responses to fear–relevant and fear–irrelevant stimuli. Eifert GH, et al. **J Behav Ther Exp Psychiatry** 1985 Jun;16(2):101–9

Maternal control of co–vocalization and inter–speaker silences in mother–infant vocal engagements. Elias G, et al. **J Child Psychol Psychiatry** 1986 May;27(3):409–15

Implications of large WISC/WISC–R Verbal–Performance IQ discrepancies. Bloom AS, et al. **J Clin Psychol** 1986 Mar;42(2):353–7

MMPI correlates of verbal–intellectual deficits in patients with left hemisphere lesions. Gass CS, et al. **J Clin Psychol** 1985 Sep;41(5):664–70

Effect of referent object familiarity on verbal learning in the sighted and the blind. Sholl MJ, et al. **J Exp Psychol [Learn Mem Cogn]** 1986 Apr;12(2):190–200

Aging and memory in skilled language performance. Klein HA, et al. **J Genet Psychol** 1985 Sep;146(3):389–97

Picture superiority in free recall: the effects of normal aging and primary degenerative dementia. Rissenberg M, et al. **J Gerontol** 1986 Jan;41(1):64–71

Associative intrusions in the verbal behavior of the first–degree relatives of adult schizophrenics. A preliminary study. Callahan LA, et al. **J Nerv Ment Dis** 1986 Apr; 174(4):240–2

Distractibility and discourse failure. Their association in mania and schizophrenia. Harvey PD, et al. **J Nerv Ment Dis** 1986 May;174(5):274–9

Processes underlying formal thought disorder in psychiatric inpatients. Persons JB, et al. **J Nerv Ment Dis** 1985 Nov; 173(11):667–76

Qualifying phrases as a measure of spontaneity in speech. Weintraub W, et al. **J Nerv Ment Dis** 1985 Nov; 173(11):694–7

Oral interaction in cooperative learning groups: speaking, listening, and the nature of statements made by high–, medium–, and low–achieving students. Johnson DW, et al. **J Psychol** 1985 Jul;119(4):303–21

Parents' teaching strategies with their children: the effects of parental and child status variables. Pellegrini AD, et al. **J Psycholinguist Res** 1985 Nov;14(6):509–21

Congruity and predictability between two measures of nonstandard dialect usage on four grammatical forms. Mims HA, et al. **J Speech Hear Disord** 1986 Feb;51(1):42–52

Communicative interactions of mildly delayed and normally developing preschool children: effects of listener's developmental level. Guralnick MJ, et al. **J Speech Hear Res** 1986 Mar;29(1):2–10

Conversational replies of children with specific language impairment. Leonard LB. **J Speech Hear Res** 1986 Mar; 29(1):114–9

Topographic spread of EEG spectral changes induced by verbal testing in man. Psatta DM, et al. **Neurol Psychiatr (Bucur)** 1986 Apr–Jun;24(2):125–34

Verbal fluency and figural fluency in bright children. Evans RW, et al. **Percept Mot Skills** 1985 Dec;61(3 Pt 1):699–709

Verbal responses to two probes: language–impaired children. Meline TJ. **Percept Mot Skills** 1985 Oct;61(2):362

Twins' reactions to delayed auditory feedback. Timmons BA. **Percept Mot Skills** 1985 Oct;61(2):559–65

A depression scale applicable to verbal samples. Gottschalk LA, et al. **Psychiatry Res** 1986 Mar;17(3):213–27

Verbal measures of anxiety and hostility under monological and dialogical conditions. A study on a mixed patient sample. Lolas F, et al. **Psychopathology** 1986;19(3):93–100

[Bandura's self efficacy theory: study of changes in verbal behavior and assertive behavior in the group] Mielke R. **Arch Psychol (Frankf)** 1986;138(1):39–52 (Eng. Abstr.) **(Ger)**

[Repetitive verbal behavior in severe aphasia] Haag E, et al. **Nervenarzt** 1985 Oct;56(10):543–52 **(Ger)**

[Analysis of a therapeutic discourse sequence] Schröter K. **Psyche (Stuttg)** 1986 Apr;40(4):327–40 (Eng. Abstr.) **(Ger)**

[Reflections on the alexithymia concept: psychological conflict and verbal behavior. A contribution to phenomenology] Weidenhammer B. **Z Psychosom Med Psychoanal** 1986;32(1):60–5 (Eng. Abstr.) **(Ger)**

[Effect of delayed auditory feedback on melody recitation] Fukawa T, et al. **Shinrigaku Kenkyu** 1985 Oct;56(4):229–32 (Eng. Abstr.) **(Jpn)**

[Interference in the Stroop color–naming task] Yamazaki A. **Shinrigaku Kenkyu** 1985 Oct;56(4):185–91 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Sentence memory affected by vasopressin analog (DDAVP) in cross–over experiment. Till RE, et al. **Peptides** 1985 May–Jun;6(3):397–402

Acute marijuana effects on social conversation. Higgins ST, et al. **Psychopharmacology (Berlin)** 1986;89(2):234–8

PHYSIOLOGY

Handedness and sex differences in the processing manner of verbal and spatial information. Nagae S. **Am J Psychol** 1985 Fall;98(3):409–20

Processing of preconsciously acquired information measured by hemispheric asymmetry and selection accuracy. Barchas PR, et al. **Behav Neurosci** 1986 Jun;100(3):343–9

Effects of 50 Hz electric currents on mood and verbal reasoning skills. Stollery BT. **Br J Ind Med** 1986 May; 43(5):339–49

Emotional stimulation, defensive orientation, and hemispheric activation. Krikorian R, et al. **Brain Cogn** 1982 Oct;1(4):371–80

A dissociation of right and left hemispheric effects for recognizing emotional tone and verbal content. Ley RG, et al. **Brain Cogn** 1982 Jan;1(1):3–9

The effect of lateral visual fixation on response latency to verbal and spatial questions. Walker E, et al. **Brain Cogn** 1982 Oct;1(4):399–404

Cerebral lateralization for speech in deaf and normal children. Marcotte AC, et al. **Brain Lang** 1985 Nov;26(2):244–58

Total actual speaking time in infants and children with otitis media with effusion. Watanabe H, et al. **Int J Pediatr Otorhinolaryngol** 1985 Nov;10(2):171–80

Visual impairment, verbal humor, and conservation. Tait PE. **J Genet Psychol** 1986 Mar;147(1):107–11

The effects of handedness on event–related potentials in a rhyme–matching task. Rugg MD. **Neuropsychologia** 1985; 23(6):765–75

Naming reaction times to tachistoscopically presented pictures: some evidence of right hemisphere encoding. McGuire RA, et al. **Percept Mot Skills** 1986 Feb; 62(1):303–6

[Relation between sleep and processes of retention and mental activity] Maloletnev VI, et al. **Fiziol Zh SSSR** 1986 Jun; 72(6):705–12 (Eng. Abstr.) **(Rus)**

[Functional asymmetry of the cerebral hemispheres during visual perception in schizophrenics with productive and negative symptoms] Efremov VS. **Zh Nevropatol Psikhiatr** 1986;86(1):97–102 (Eng. Abstr.) **(Rus)**

VERBAL LEARNING

see related
LANGUAGE DISORDERS

Comparison of mentally retarded and nonretarded persons' organization of semantic memory. Winters JJ, et al. **Am J Ment Defic** 1986 Jul;91(1):102–4

Recognition and frequency judgments in young and elderly adults. Freund JS, et al. **Am J Psychol** 1986 Spring; 99(1):81–102

Prior knowledge and cued recall: category size and dominance. Nelson DL, et al. **Am J Psychol** 1985 Winter; 98(4):503–17

The use of pupillometry in the study of on–line verbal processing: evidence for depths of processing. Ben–Nun Y. **Brain Lang** 1986 May;28(1):1–11

Inference deficits in right brain–damaged patients. Brownell HH, et al. **Brain Lang** 1986 Mar;27(2):310–21

Dyslexia, dysnomia, and lexical retrieval: a longitudinal investigation. Wolf M, et al. **Brain Lang** 1986 May; 28(1):154–68

An assessment of verbal recall, recognition and fluency abilities in patients with Huntington's disease. Butters N, et al. **Cortex** 1986 Mar;22(1):11–32

Age differences in the ability to recall and summarize textual information. Byrd M. **Exp Aging Res** 1985 Summer; 11(2):87–91

Reversed digit repetition involves visual and verbal processes. Larrabee GJ, et al. **Int J Neurosci** 1986 Aug; 30(1–2):11–5

Glossolalia as learned behavior: an experimental demonstration. Spanos NP, et al. **J Abnorm Psychol** 1986 Feb;95(1):21–3

Imitation in toddlers as a function of motor and verbal aspects of modeling. Patrick K, et al. **J Genet Psychol** 1985 Dec; 146(4):507–18

Strategy and abilities training for prose recall and comprehension in mentally retarded children. Lin A, et al. **J Ment Defic Res** 1986 Mar;30 (Pt 1):89–97

Otitis media in early childhood and its relationship to later verbal and academic performance. Roberts JE, et al. **Pediatrics** 1986 Sep;78(3):423–30

Signal–detection analysis of recognition memory of obese subjects. Gardner RM, et al. **Percept Mot Skills** 1986 Aug; 63(1):227–34

Smoking and memory: state–specific effects. Kunzendorf R, et al. **Percept Mot Skills** 1985 Oct;61(2):558

Event–related potentials in chronometric analysis of primed word recognition with different stimulus onset asynchronies. Boddy J. **Psychophysiology** 1986 Mar; 23(2):232–45

[Interindividual differences in motor imagery ability and retention of action phrases] Engelkamp J, et al. **Arch Psychol (Frankf)** 1985;137(4):241–53 (Eng. Abstr.) **(Ger)**

[Strategies in selective recall: an experiment with controlled recognition] Flammer A, et al. **Arch Psychol (Frankf)** 1985; 137(4):255–71 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Differential responsivity of verbal and visual recognition memory to physostigmine and ACTH. Rose RP, et al. **Biol Psychiatry** 1986 May;21(5–6):538–42

PHYSIOLOGY

Hemispheric asymmetry in processing of verbal material by left-handers. Czachowska-Sieszycka B, et al. **Physiol Bohemoslov** 1985;34 Suppl:21-4

[Processes of verbal memory in patients with involuntary movements treated by thalamotomy] Luczywek E, et al. **Neurol Neurochir Pol** 1985 May-Jun;19(3):247-52 (Eng. Abstr.) (Pol)

[The galvanic skin reaction as an electrographic correlate of the processes of remembering and recognizing different types of verbal information by boys and girls] Konovalov VF, et al. **Fiziol Cheloveka** 1985 May-Jun;11(3):421-9 (Rus)

VERMIFUGES see ANTHELMINTICS

VERNAMYCINS see VIRGINIAMYCINS

VERNIX CASEOSA

Meconium granulomas or vernix-induced peritonitis [letter] Freedman SI, et al. **JAMA** 1986 Feb 21;255(7):906

Ultrasound appearance of particulate matter in amniotic cavity: vernix or meconium? DeVore GR, et al. **JCU** 1986 Mar-Apr;14(3):229-30

Vernix caseosa granuloma: a rare complication of cesarean section. Boothby R, et al. **South Med J** 1985 Nov; 78(11):1395-6

ANALYSIS

Vernix in amniotic fluid: sonographic detection. Hill LM, et al. **Radiology** 1986 Jan;158(1):80

VERRUCA see WARTS

VERRUGA PERUANA see BARTONELLA INFECTIONS

VERSION, FETAL see under DELIVERY

VERTEBRAL ARTERY

Vertebral arteriovenous fistula following insertion of a central monitoring catheter. Joos GF, et al. **Acta Clin Belg** 1985;40(6):391-3

Vertebral artery aneurysm in a 6-year-old child [letter] Post EM, et al. **AJNR** 1985 Nov-Dec;6(6):977

Combined arteriovenous malformation and intramedullary lipoma: surgery and embolotherapy. Rice JF, et al. **AJNR** 1986 Jan-Feb;7(1):171-3

Vertebral arteriovenous fistulas. Clinical presentation, angiographical appearance and endovascular treatment. A review of twenty-five cases. Reizine D, et al. **Ann Radiol (Paris)** 1985;28(6):425-38 (Eng, Fre)

Pseudoaneurysm of the vertebral artery: a complication of rheumatoid cervical spine disease. Fedele FA, et al. **Arthritis Rheum** 1986 Jan;29(1):136-41

Subclavian steal with ipsilateral vertebral artery occlusive disease. Mohr LL, et al. **J Cardiovasc Surg (Torino)** 1986 Jul-Aug;27(4):434-9

Spontaneous dissection of intracranial vertebral artery: clinical recovery with conservative treatment [letter] Alom J, et al. **J Neurol Neurosurg Psychiatry** 1986 May; 49(5):599-600

Atraumatic extracranial vertebral artery aneurysm: case report and review of the literature. Rifkinson-Mann S, et al. **J Vasc Surg** 1986 Sep;4(3):288-93 (5 ref.)

Intra-arterial digital subtraction angiography of the carotid arteries. Special reference to contrast media. Nakstad P, et al. **Neuroradiology** 1986;28(3):195-8

Vertebral artery thrombosis accompanied by burst fracture of the lower cervical spine: case report. Handa Y, et al. **Neurosurgery** 1985 Dec;17(6):955-7

Spontaneous arteriovenous fistulas of cerebral vessels in association with fibromuscular dysplasia. Hieshima GB, et al. **Neurosurgery** 1986 Apr;18(4):454-8

Surgically treatable lesions of the extracranial circulation, including the vertebral artery. Smullens SN. **Radiol Clin North Am** 1986 Sep;24(3):453-60 (48 ref.)

Foramen transversarium enlargement due to tortuosity of the vertebral artery. Computed tomographic appearance. Freilich M, et al. **Spine** 1986 Jan-Feb;11(1):95-8

Thrombosis of the vertebral artery. A rare complication following traumatic spondylolisthesis of the second cervical vertebra. Jeanneret B, et al. **Spine** 1986 Mar;11(2):179-82

Spontaneous dissection of the extracranial vertebral arteries. Caplan LR, et al. **Stroke** 1985 Nov-Dec;16(6):1030-8

Dissections. Hart RG, et al. **Stroke** 1985 Nov-Dec; 16(6):925-7 (22 ref.)

Trigeminal neuralgia and hemifacial spasm caused by a tortuous vertebrobasilar system. Takamiya Y, et al. **Surg Neurol** 1985 Nov;24(5):559-62

[The Doppler effect in ophthalmology] Rossazza C, et al. **Annee Ther Clin Ophtalmol** 1984;35:117-39 (Eng. Abstr.) (Fre)

[Pulsatile echography (ultrasonic cerebral tomosphygmography) in carotid and vertebral pathology. Surgical applications] Dany F, et al. **J Mal Vasc** 1985; 10(3):189-96 (Eng. Abstr.) (Fre)

[Spontaneous arteriovenous fistulas of the vertebral artery. Apropos of a case--review of the literature] de Bray JM, et al. **Rev Med Interne** 1986 Mar;7(2):133-9 (Eng. Abstr.) (Fre)

[A case of aneurysm at the junction of the vertebral artery and a spinal arterial branch] Takahashi K, et al. **No Shinkei Geka** 1986 Jul;14(8):1025-9 (Eng. Abstr.) (Jpn)

[Status of the microcirculatory bed of the bulbar conjunctiva in transient ischemic attacks in the vertebro-basilar system] Vel'khover ES, et al. **Vrach Delo** 1986 Jan;(1):20-2 (Eng. Abstr.) (Rus)

[Features of the hemodynamics of major extracranial arteries in patients with occlusive lesions of the brachiocephalic vessels] Pokrovskii AV, et al. **Zh Nevropatol Psikhiatr** 1986; 86(1):6-10 (Eng. Abstr.) (Rus)

ABNORMALITIES

Embolization of intramedullary arteriovenous malformations of the spinal cord. Horton JA, et al. **AJNR** 1986 Jan-Feb; 7(1):113-8

Several anomalies of the cardio-vascular system found in a cadaver. Takagi T, et al. **Kaibogaku Zasshi** 1985 Apr; 60(2):99-103

Tortuous vertebral artery simulating extradural spinal tumour. Obayashi T, et al. **Neurochirurgia (Stuttg)** 1986 May;29(3):96-8

Anomalous atlantoaxial portions of vertebral and posterior inferior cerebellar arteries. Tokuda K, et al. **Neuroradiology** 1985;27(5):410-3

Bifid origin of the left vertebral artery. Eisenberg RA, et al. **Radiology** 1986 May;159(2):429-30

Single extracranial-intracranial duplication of the vertebral artery. Hasegawa T, et al. **Surg Neurol** 1986 Apr; 25(4):369-72

[Cervical arteriovenous malformation of the right vertebral artery] Banzhaf E, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Jan;38(1):29-32 (Eng. Abstr.) (Ger)

[Neurofibromatosis associated with intra- and extracranial aneurysms and extracranial vertebral arteriovenous fistula] Kamiyama K, et al. **No Shinkei Geka** 1985 Aug; 13(8):875-80 (Eng. Abstr.) (Jpn)

[Surgical treatment of deformities of the extracranial division of the vertebral artery] Kandel' EI, et al. **Zh Vopr Neirokhir** 1985 Nov-Dec;(6):3-8 (Eng. Abstr.) (Rus)

ANATOMY & HISTOLOGY

Anatomical study of digital compression of the vertebral artery at its origin and at the suboccipital triangle. Vitte E, et al. **Anat Clin** 1985;7(2):77-82

INJURIES

Fatal subarachnoid hemorrhage due to traumatic rupture of the vertebral artery. Deck JH, et al. **Arch Pathol Lab Med** 1986 Jun;110(6):489-93

Repair of a vertebral artery dissection. Case report. Alexander JJ, et al. **J Neurosurg** 1986 Apr;64(4):662-5

Isolated injury of the proximal vertebral artery associated with blunt chest trauma. Wyatt DA, et al. **J Vasc Surg** 1986 Aug;4(2):196-8

Break-dancing injuries [letter] Dorey RS, et al. **Med J Aust** 1986 May 26;144(11):610-1

[Posttraumatic occlusion of the 2 vertebral arteries] Laugareil P, et al. **J Radiol** 1985 Oct;66(10):605-8 (Eng. Abstr.) (Fre)

[Dissection of the extracranial vertebral artery after a tennis match (letter)] Roualdes G, et al. **Presse Med** 1985 Nov 30;14(41):2108 (Fre)

[Contribution of ultrasonic examinations to the detection of a posttraumatic vertebral arteriovenous fistula] Rohr J, et al. **Rev Neurol (Paris)** 1985;141(6-7):464-70 (Eng. Abstr.) (Fre)

[Temporary preoperative balloon catheter blockage of a traumatic giant aneurysm and of an a.v. fistula of the vertebral artery] Schumacher M, et al. **ROFO** 1985 Sep; 143(3):326-30 (Eng. Abstr.) (Ger)

PATHOLOGY

Technique for removal of the vertebral arteries. Bromilow A, et al. **J Clin Pathol** 1985 Dec;38(12):1400-2

The echo-Doppler (duplex) system for the detection of vertebral artery occlusive disease: comparison with angiography. Visonà A, et al. **J Ultrasound Med** 1986 May; 5(5):247-50

Evaluation of the vertebral arteries with duplex sonography. Bendick PJ, et al. **J Vasc Surg** 1986 Mar;3(3):523-30

PHYSIOLOGY

Non-invasive and quantitative measurement of volume flow-rate at internal and external carotid and vertebral arteries. Furuhata H, et al. **Ultrasound Med Biol** 1983;Suppl 2:239-42

RADIOGRAPHY

Fibromuscular dysplasia of the vertebral artery (angiographic features). A review of 85 cases. Vega Molina J, et al. **J Neuroradiol** 1985;12(2):123-34 (Eng, Fre)

Spontaneous dissecting aneurysm of the extracranial vertebral artery (20 cases). Chiras J, et al. **Neuroradiology** 1985; 27(4):327-33

Acoustic neurinoma with dual blood supply from vertebrobasilar and external carotid arteries. Case report. Lui CC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Dec; 84(12):1391-6

[Vertebral artery loop and cervical pain] Pierron D, et al. **J Radiol** 1985 Jun-Jul;66(6-7):447-9 (Eng. Abstr.) (Fre)

[Angiographic analysis of the internal carotid-vertebrobasilar system with cerebral aneurysms--with special interest in the morphological aspect including so-called vascular anomalies] Kitami K, et al. **No Shinkei Geka** 1985 Oct; 13(10):1067-74 (Eng. Abstr.) (Jpn)

SURGERY

Arteriovenous malformation of the spinal cord in a 17-month-old child. Tada T, et al. **Childs Nerv Syst** 1985; 1(5):298-301

Isolated symptomatic lesions of the vertebral artery: cure after surgical repair. Benedetti-Valentini F Jr, et al. **Ital J Surg Sci** 1985;15(3):299-303

Use of the transverse cervical artery with indwelling shunt for subclavian-vertebral bypass. Donaldson MC, et al. **J Vasc Surg** 1985 Nov;2(6):917-20

Surgical reconstruction of the proximal subclavian and vertebral arteries. Edwards WH, et al. **South Med J** 1986 Jun;79(6):702-9

[Role of epidural anesthesia in carotid and vertebral artery surgery] Derosier JP, et al. **Ann Fr Anesth Reanim** 1985; 4(6):535-6 (Fre)

[Indications for revascularization of the distal cervical vertebral artery] George B, et al. **Ann Med Interne (Paris)** 1986;137(2):108-11 (Eng. Abstr.) (Fre)

[Double subclavian and vertebral reimplantation into the common carotid artery using single anastomosis] Burnay J, et al. **J Mal Vasc** 1986;11(2):194-6 (Eng. Abstr.) (Fre)

[Surgery of vertebral and subclavian atheromatous lesions. Experience with 165 reconstructive operations] Burnay J, et al. **J Mal Vasc** 1986;11(1):13-8 (Fre)

[Vertebral and subclavian reimplantation into the common carotid artery with widening angioplasty on the vertebral ostium (letter)] Burnay J, et al. **Presse Med** 1986 Mar 22; 15(12):580 (Fre)

TRANSPLANTATION

[Vascular shunting of the cochlea. Report 2] Tsukerberg LI, et al. **Vestn Otorinolaringol** 1985 Sep-Oct;(5):22-4 (Eng. Abstr.) (Rus)

VERTEBRAL ARTERY INSUFFICIENCY see VERTEBROBASILAR INSUFFICIENCY

VERTEBRATE VIRUSES

Proceedings of the 1st International TNO Conference on Antiviral Research. 30 April to 3 May 1985, Rotterdam, The Netherlands. **Antiviral Res** 1985;Suppl 1:1-310

Swiss Society of Microbiology. Reports of the 44th annual meeting. Abstracts. **Experientia** 1986 Jan 15;42(1):87-108

DRUG EFFECTS

Selective inhibition of virus multiplication by new acylated 1,2,4-triazole derivatives. Horváth S, et al. **Antiviral Res** 1986 Jan;6(1):49-55

In vitro protective effect of bacteria-derived bovine alpha interferon I1 against selected bovine viruses. Gillespie JH, et al. **J Clin Microbiol** 1985 Dec;22(6):912-4

GENETICS

Regulation of protein synthesis in virus-infected animal cells. Kozak M. **Adv Virus Res** 1986;31:229-92 (377 ref.)

GROWTH & DEVELOPMENT

Tau (tau) virus infection of Carcinus mediterraneus: histology, cytopathology, and experimental transmission of the disease. Pappalardo R, et al. **J Invertebr Pathol** 1986 May;47(3):361-8

IMMUNOLOGY

Epizootiological survey of parainfluenza-3, reovirus-3, respiratory syncytial and infectious bovine rhinotracheitis viral antibodies in sheep and goat flocks in Quebec. Lamontagne L, et al. **Can J Comp Med** 1985 Oct; 49(4):424-8

ISOLATION & PURIFICATION

Kasokero virus: a new human pathogen from bats (Rousettus aegyptiacus) in Uganda. Kalunda M, et al. **Am J Trop Med Hyg** 1986 Mar;35(2):387-92

PHYSIOLOGY

Early interactions between animal viruses and the host cell: relevance to viral vaccines. Patterson S, et al. **Vaccine** 1986 Jun;4(2):79-90 (141 ref.)

[Glycoproteins of enveloped animal viruses as transmembrane proteins] Zaides VM, et al. **Vopr Virusol** 1986 Mar-Apr;31(2):133-48 (142 ref.) (Rus)

VERTEBRATE VIRUSES, UNCLASSIFIED

Isolation and characterization of a 14500 molecular weight protein from brains and tissue cultures persistently infected with borna disease virus. Schädler R, et al. **J Gen Virol** 1985 Nov;66 (Pt 11):2479–84

Newer data on the inactivation of scrapie virus or Creutzfeldt–Jakob disease virus in brain tissue. Brown P, et al. **J Infect Dis** 1986 Jun;153(6):1145–8

CLASSIFICATION

Serotypes of bovine astrovirus. Woode GN, et al. **J Clin Microbiol** 1985 Oct;22(4):668–70

IMMUNOLOGY

Borna disease virus. A possible etiologic factor in human affective disorders? Amsterdam JD, et al. **Arch Gen Psychiatry** 1985 Nov;42(11):1093–6

Purification and properties of an intranuclear virus-specific antigen from tissue infected with Borna disease virus. Haas B, et al. **J Gen Virol** 1986 Feb;67 (Pt 2):235–41

ISOLATION & PURIFICATION

Characterization of the Snow Mountain agent of viral gastroenteritis. Madore HP, et al. **J Virol** 1986 May; 58(2):487–92

Transmissible mink encephalopathy (TME) in Chinese hamsters: identification of two strains of TME and comparisons with scrapie. Kimberlin RH, et al. **Neuropathol Appl Neurobiol** 1986 Mar–Apr;12(2):197–206

Detection of astrovirus-like in diarrhoeic stool and its coexistence with rotavirus. Nozawa CM, et al. **Rev Inst Med Trop Sao Paulo** 1985 Sep–Oct;27(5):238–41

[Isolation of the Fomédé virus from Chiroptera, Nycteris nana, in the Republic of Guinea] Boiro I, et al. **Bull Soc Pathol Exot Filiales** 1986;79(2):180–2 (Eng. Abstr.) (Fre)

PATHOGENICITY

Pathogenicity and persistence of pleural effusion disease virus isolates in rabbits. Fennestad KL, et al. **J Gen Virol** 1986 Jun;67 (Pt 6):993–1000

Evidence that transmissible mink encephalopathy agent is biologically inactive in mice. Taylor DM, et al. **Neuropathol Appl Neurobiol** 1986 Mar–Apr;12(2):207–15

VERTEBRATES

Distribution of pancreatic elastase and metalloproteinase in vertebrates. Yoshinaka R, et al. **Comp Biochem Physiol [B]** 1986;83(1):45–9

[Biological aspects of the regulation of vertebrate populations] Frank F. **DTW** 1986 May 7;93(5):188–90 (Eng. Abstr.) (Ger)

[Chemical control methods in animal protection legislation on damage-adjusting vertebrate populations] Hapke HJ. **DTW** 1986 May 7;93(5):213–5 (Eng. Abstr.) (Ger)

[Control measures of game vertebrates from the veterinary and hunting viewpoint] Hofmann RR, et al. **DTW** 1986 May 7;93(5):200–2 (Eng. Abstr.) (Ger)

[Pest control—what is it?] Ruppert E. **DTW** 1986 May 7; 93(5):187–8 (Eng. Abstr.) (Ger)

[Attitude to control measures from the viewpoint of administration] Voetz N. **DTW** 1986 May 7;93(5):215–7 (Eng. Abstr.) (Ger)

[Legislative aspects of animal protection with regard to control measures] Wormuth HJ. **DTW** 1986 May 7; 93(5):190–4 (Eng. Abstr.) (Ger)

ANATOMY & HISTOLOGY

Olfactory centers and pathways in vertebrates. Balboni GC. **Arch Ital Anat Embriol** 1985 Oct–Dec;90(4):207–20

[Arrangement of collagen fibers in the epiphyses and metaphyses of long bones in vertebrates] Vannereau H, et al. **C R Acad Sci [III]** 1985;301(16):721–6 (Fre)

CLASSIFICATION

Terminological barbarisms overdue for retirement [editorial] Smith HM. **Dev Comp Immunol** 1985 Summer;9(3):383–4

EMBRYOLOGY

Mechanisms of sex determination in vertebrates. Adkins-Regan E. **Sci Prog** 1985 Winter;69(276):551–65

[The origin of hematopoietic stem cells in the ontogenesis of vertebrates] Deriugina EI. **Ontogenez** 1986 Mar–Apr; 17(2):117–37 (101 ref.) (Eng. Abstr.) (Rus)

GENETICS

Conserved restriction sites within the ribosomal RNA genes of vertebrates. Tanhauser SM, et al. **Biochim Biophys Acta** 1986 Feb 24;866(1):19–25

An unusual coding sequence from a Drosophila clock gene is conserved in vertebrates. Shin HS, et al. **Nature** 1985 Oct 3–9;317(6036):445–8

Diversity in G + C content at the third position of codons in vertebrate genes and its cause. Aota S, et al. **Nucleic Acids Res** 1986 Aug 26;14(16):6345–55

GROWTH & DEVELOPMENT

Developmental neurobiology. Axon outgrowth in vertebrates [news] Taghert PH, et al. **Nature** 1986 Mar 20–26; 320(6059):210–11

The cellular basis of haemoglobin switching: further studies of fetal-to-adult haemopoietic cell transplantation. Wood WG, et al. **Prog Clin Biol Res** 1985;191:369–82

[Phylo- and ontogenic characteristics of lipid peroxidation in the retina of vertebrates] Dzhafarov AI, et al. **Biull Eksp Biol Med** 1985 Oct;100(10):427–9 (Eng. Abstr.) (Rus)

IMMUNOLOGY

H-Y antigen in nonmammalian vertebrates. Zaborski P. **Arch Anat Microsc Morphol Exp** 1985;74(1):33–7

Phylogenetic origins of humoral immune mediators. Part II: The vertebrates. Symposium. Denver, December 30, 1984. **Dev Comp Immunol** 1985 Fall;9(4):745–825

Phylogenetic conservation of heavy chain determinants of vertebrates and protochordates. Rosenshein IL, et al. **Dev Comp Immunol** 1985 Fall;9(4):783–95

Evolutionary conservation of brain Thy-1 glycoprotein in vertebrates and invertebrates. Shalev A, et al. **Dev Comp Immunol** 1985 Summer;9(3):497–509

Retinal S-antigen: immunocytochemical and immunochemical studies on distribution in animal photoreceptors and pineal organs. van Veen T, et al. **Exp Biol** 1986;45(1):15–25

Comparative immunology as a research tool. Ambrosius H. **Folia Biol (Praha)** 1985;31(6):371–86

[Detection of chordin-specific antigenic determinants in the notochord derivatives of higher vertebrates] Preobrazhenskil AA, et al. **Dokl Akad Nauk SSSR** 1985; 284(6):1489–91 (Rus)

METABOLISM

Anion transport systems in the plasma membrane of vertebrate cells. Hoffmann EK. **Biochim Biophys Acta** 1986 Jun 12;864(1):1–31 (231 ref.)

alpha-Transducin immunoreactivity in retinae and sensory pineal organs of adult vertebrates. van Veen T, et al. **Proc Natl Acad Sci USA** 1986 Feb;83(4):912–6

The dynamics of bone mineral in some vertebrates. Driessens FC, et al. **Z Naturforsch [C]** 1986 Apr;41(4):468–71

[Evolution of glycolipids in the vertebrate nervous system—phylogenical distribution of myelin glycolipids and its physiological significances] Tamai Y. **Seikagaku** 1985 Sep;57(9):1249–70 (98 ref.) (Jpn)

[Adenosine triphosphatase activity in the osmoregulatory organs of vertebrates] Reznik LV, et al. **Zh Evol Biokhim Fiziol** 1986 Mar–Apr;22(2):143–8 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Vertebrate olfactory reception. Lancet D. **Annu Rev Neurosci** 1986;9:329–55 (159 ref.)

Receptors for intercellular messenger molecules in microbes: similarities to vertebrate receptors and possible implications for diseases in man. LeRoith D, et al. **Experientia** 1986 Jul 15;42(7):782–8 (53 ref.)

Common patterns of neuroendocrine integration in vertebrates and invertebrates. Acher R. **Gen Comp Endocrinol** 1986 Mar;61(3):452–8

Characterization of substance P-like immunoreactivity in submammalian species by high performance liquid chromatography. Lembeck F, et al. **Peptides** 1985;6 Suppl 3:231–6

Central nervous regulation of body temperature in vertebrates: comparative aspects. Crawshaw L, et al. **Pharmacol Ther** 1985;30(1):19–30 (87 ref.)

Histaminergic mechanisms in the vertebrate visual system. Nowak JZ. **Pol J Pharmacol Pharm** 1985 Nov–Dec; 37(6):783–819 (138 ref.)

Nicotinic acetylcholine receptors in vertebrate muscle: properties, distribution and neural control. Salpeter MM, et al. **Prog Neurobiol** 1985;25(4):297–325 (264 ref.)

[Biomechanical principles of the maxilla of long-snouted vertebrates] Preuschoft H, et al. **Z Morphol Anthropol** 1985; 76(1):1–24 (Eng. Abstr.) (Ger)

[Heterogeneity of the cellular sources of restorative processes in vertebrates] Kantorova VI. **Ontogenez** 1985 Sep–Oct; 16(5):450–73 (136 ref.) (Eng. Abstr.) (Rus)

[The physiological determinants of the parallelism (unity) of histological structures] Natochin IuV. **Tsitologiia** 1986 Mar; 28(3):276–84 (Eng. Abstr.) (Rus)

[Telencephalization and the transposition of functions in the vertebrate central nervous system in the light of new data] Belekhova MG, et al. **Zh Evol Biokhim Fiziol** 1985 Nov–Dec;21(6):531–41 (43 ref.) (Rus)

VERTEBROBASILAR INSUFFICIENCY

COMPLICATIONS

Subclavian steal despite ipsilateral vertebral occlusion. Pasch AR, et al. **J Vasc Surg** 1985 Nov;2(6):913–6

[Basilar migraine in children] Filipowicz A, et al. **Neurol Neurochir Pol** 1985 May–Jun:19(3):189–92 (Eng. Abstr.) (Pol)

[Vascular shunting of the cochlea. Report 2] Tsukerberg LI, et al. **Vestn Otorinolaringol** 1985 Sep–Oct;(5):22–4 (Eng. Abstr.) (Rus)

[Mesencephalic ischemia and bilateral stenosis of the ostium of the vertebral artery (letter)] Fossas P, et al. **Rev Clin Esp** 1985 Nov;177(7):356 (Spa)

DIAGNOSIS

Anatomical study of digital compression of the vertebral artery at its origin and at the suboccipital triangle. Vitte E, et al. **Anat Clin** 1985;7(2):77–82

Doppler sonography in basilar artery occlusion. Biedert S, et al. **Neuroradiology** 1985;27(5):430–3

Non-invasive diagnosis of intracranial lesions in the vertebrobasilar system. A comparison of Doppler sonographic and angiographic findings. Ringelstein EB, et al. **Stroke** 1985 Sep–Oct;16(5):848–55

[Evaluation of 524 cervicoencephalic Doppler studies in ocular pathology] Warter G. **Ophthalmologica** 1985; 191(3):154–60 (Eng. Abstr.) (Fre)

[Acute occlusion in the vertebrobasilar circulatory system in children and young adults] Karnik R, et al. **Dtsch Med Wochenschr** 1986 Apr 18;111(16):616–21 (Eng. Abstr.) (Ger)

[Doppler sonographic diagnosis of basilar stenoses and obliterations] Biedert S, et al. **Eur Arch Psychiatry Neurol Sci** 1986;235(4):221–30 (Eng. Abstr.) (Ger)

[When is a Doppler and B-image/duplex study of the carotid and vertebral arteries necessary?] Keller HM, et al. **Schweiz Rundsch Med Prax** 1986 Feb 25;75(9):217–21 (Eng. Abstr.) (Ger)

[Clinical and electronystagmography picture of Kimmerle's anomaly] Split W, et al. **Pol Tyg Lek** 1985 Sep 2; 40(35):989–91 (Eng. Abstr.) (Pol)

DRUG THERAPY

[Therapy of vertebrobasilar insufficiency. With flunarizine vertigo effectively controlled] **Fortschr Med** 1985;103 Suppl 8:15–7 (Ger)

[Managing vertebrobasilar insufficiency effectively. Flunarizine normalizes the incidence of nystagmus] **Fortschr Med** 1986;104 Suppl 1:11–3 (Ger)

[Flunarizine and sulpiride—a comparison of 2 common antivertigo drugs in vertebrobasilar-induced vertigo] Hofferberth B, et al. **Nervenarzt** 1985 Oct;56(10):553–9 (Ger)

ETIOLOGY

Rheumatoid arthritis and positional vertebrobasilar insufficiency. Case report. Robinson BP, et al. **J Neurosurg** 1986 Jul;65(1):111–4

Vertebral artery injury and cerebellar stroke while swimming: case report. Tramo MJ, et al. **Stroke** 1985 Nov–Dec;16(6):1039–42

[Vertebro-basilar insufficiency caused by a lesion of the vertebral artery] Kieffer E, et al. **J Mal Vasc** 1985;10 Suppl C:251–313 (Fre)

[Pathological changes and their sequelae in the spinal nerve roots, spinal cord and vertebral artery in cervical spondylosis] Jarmundowicz W. **Neurol Neurochir Pol** 1986 Jan–Feb;20(1):59–63 (30 ref.) (Pol)

[Surgical treatment of deformities of the extracranial division of the vertebral artery] Kandel' EI, et al. **Zh Vopr Neirokhir** 1985 Nov–Dec;(6):3–8 (Eng. Abstr.) (Rus)

PATHOLOGY

Asymptomatic bruit, carotid and vertebrobasilar transient ischemic attacks—a clinical and ultrasonic correlation. Lo LY, et al. **Stroke** 1986 Jan–Feb;17(1):65–8

[Pathomorphologic studies on the effect of degenerative changes in the area of the lateral cervical spine and the course of the vertebral artery] Barth H. **Zentralbl Neurochir** 1985;46(2):119–25 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

[Electronystagmographic aspects of vertebro-basilar insufficiency] Pallestrini EA, et al. **Boll Soc Ital Biol Sper** 1985 Aug 30;61(8):1093–100 (Eng. Abstr.) (Ita)

RADIOGRAPHY

Are cervical spine radiographs of value in elderly patients with vertebrobasilar insufficiency? Adams KR, et al. **Age Ageing** 1986 Jan;15(1):57–9

Role of computed tomography in vertebrobasilar ischemia. Bonafe A, et al. **Neuroradiology** 1985;27(6):484–93

SURGERY

Cerebral angiography in posterior fossa revascularization. Boulos RS, et al. **Henry Ford Hosp Med J** 1985; 33(2–3):74–81

Use of the transverse cervical artery with indwelling shunt for subclavian-vertebral bypass. Donaldson MC, et al. **J Vasc Surg** 1985 Nov;2(6):917–20

Post-operative angiographic control. B. Main angiographic appearances after vertebral and internal carotid artery surgery. Carpena JP, et al. **Neuroradiology** 1985; 27(6):557–66

Surgical correction of lesions affecting the second portion of the vertebral artery. Diaz FG, et al. **Neurosurgery** 1986 Jul;19(1):93–100
Resolving occlusive lesions of the basilar artery. Little JR, et al. **Neurosurgery** 1985 Nov;17(5):811–4
[A decompression procedure for vertebral artery insufficiency in cervical spondylosis] Liu ZS, et al. **Chung Hua Wai Ko Tsa Chih** 1984 Dec;22(12):711–3, 780 (Eng. Abstr.) (Chi)
[Decompression of the vertebral arteries in patients with arterial insufficiency syndrome in degenerative changes in the cervical spine] Kiwerski J. **Neurol Neurochir Pol** 1985 Sep–Oct;19(5):452–5 (Eng. Abstr.) (Pol)

THERAPY

[Percutaneous transluminal angioplasty in atheromatous stenosis of the proximal supra-aortic trunks: the brachiocephalic trunk and the subclavian artery] Courthéoux P, et al. **J Mal Vasc** 1986;11(2):113–9 (Eng. Abstr.) (Fre)
[Percutaneous transluminal dilatation (PTD) of descending stenoses of the vertebral artery] Kachel R, et al. **Zentralbl Chir** 1986;111(12):709–16 (Eng. Abstr.) (Ger)

VERTICAL DIMENSION

Clinical evaluation of vertical fixation disparity. Part II. Reliability, stability, and association with refractive status, stereoacuity, and vertical heterophoria. Eskridge JB, et al. **Am J Optom Physiol Opt** 1985 Sep;62(9):579–84
Clinical evaluation of vertical fixation disparity. Part III. Adaptation to vertical prism. Rutstein RP, et al. **Am J Optom Physiol Opt** 1985 Sep;62(9):585–90
Treatment-induced errors in occlusion following orthognathic surgery. Rekow ED, et al. **Am J Orthod** 1985 Nov;88(5):425–32
Vertical control in fully-banded orthodontic treatment. Pearson LE. **Angle Orthod** 1986 Jul;56(3):205–24
Variables affecting measurements of vertical occlusal force. Fields HW, et al. **J Dent Res** 1986 Feb;65(2):135–8
The nature of vertical maxillary deformities: implications for surgical intervention. Ellis E 3d. **J Oral Maxillofac Surg** 1985 Oct;43(10):756–62
The effect of acrylic bite plane splints and their vertical dimension on jaw muscle silent period in healthy young adults. Finger M, et al. **J Oral Rehabil** 1985 Sep;12(5):381–8
Investigation of the effect of a variable anterior guidance incline on the graphic registration of mandibular border movements: Part I [letter] Clayton JA. **J Prosthet Dent** 1986 Feb;55(2):282–4
Diagnostically restoring a reduced occlusal vertical dimension without permanently altering the existing dentures. Hansen CA. **J Prosthet Dent** 1985 Nov; 54(5):671–3
Electromyographic relaxed mandibular position in long-faced subjects. Van Sickels JE, et al. **J Prosthet Dent** 1985 Oct;54(4):578–81
A review of vertical facial types and craniomandibular disorders. Pertes RA. **NY State Dent J** 1985 Nov;51(9):570, 572, 575–8
[Incisor supraclusion: molar intrusion or incisor extrusion?] Boniver A. **Rev Belge Med Dent** 1984 Nov–Dec; 39(6):206–10 (Eng. Abstr.) (Fre)

VERTICILLIUM see **HYPHOMYCETES**

VERTIGO

BLOOD

Identification and treatment of metabolic abnormalities in patients with vertigo. Lehrer JF, et al. **Arch Intern Med** 1986 Aug;146(8):1497–500

CHEMICALLY INDUCED

More on removing cockroaches from the auditory canal [letter] Cantrell H. **N Engl J Med** 1986 Mar 13;314(11):720
Topical gentamicin-induced positional vertigo. Leliever WC. **Otolaryngol Head Neck Surg** 1985 Aug;93(4):553–5

CLASSIFICATION

[Classification of vertiginous syndromes, nonsystematized vertigo and disequilibrium] Letort Calisto M. **Rev Laryngol Otol Rhinol (Bord)** 1985;106(2):87–90 (Eng. Abstr.) (Fre)

DIAGNOSIS

A comparative cranio-corpography study on the findings in the Romberg standing test versus the Unterberger/Fukuda stepping test in vertigo patients. Ben-David J, et al. **Acta Otorhinolaryngol Belg** 1985; 39(6):924–32
Recurrent vestibulopathy: third review. Rutka JA, et al. **J Otolaryngol** 1986 Apr;15(2):105–7
The pitfalls of limiting ENG testing to patients with vertigo. Keim RJ. **Laryngoscope** 1985 Oct;95(10):1208–12
[Differentiation between vestibular and nonvestibular vertigo] Gudziol H, et al. **Z Arztl Fortbild (Jena)** 1986; 80(10):407–9 (Ger)
[Doppler ultrasound method in the study of vertigo syndrome] Deambrogio V, et al. **Minerva Med** 1986 Jun 30;77(27):1293–8 (Eng. Abstr.) (Ita)
[Observation of arm-tonus-reaction by electrical recording method] Nozawa I. **Nippon Jibiinkoka Gakkai Kaiho** 1985 Sep;88(9):1168–77 (Eng. Abstr.) (Jpn)

DRUG THERAPY

Alleviation of induced vertigo. Therapy with transdermal scopolamine and oral meclizine. Schmitt LG, et al. **Arch Otolaryngol Head Neck Surg** 1986 Jan;112(1):88–91
Antivertigo agents. V. Quantitative structure-activity relationships of 6-[2-(4-aryl-1-piperazinyl)ethyl]-5,6,7,8-tetrahydro-1,6-naphthyridine s. Shiozawa A, et al. **Chem Pharm Bull (Tokyo)** 1985 Dec;33(12):5332–40
Atypical Cogan's syndrome [letter] Goldsher M, et al. **Ear Nose Throat J** 1985 Jul;64(7):354–5
The use of piracetam in vertigo. Fernandes CM, et al. **S Afr Med J** 1985 Nov 23;68(11):806–8
[Therapy of vertebrobasilar insufficiency. With flunarizine vertigo effectively controlled] **Fortschr Med** 1985;103 Suppl 8:15–7 (Ger)
[Use of buflomedil chlorhydrate in vertiginous patients. Vertigo] Pianura CM, et al. **Minerva Cardioangiol** 1985 Jun; 33(6):369–72 (Eng. Abstr.) (Ita)
[Management of acute vestibular disorders in Ménière's disease] Savinkov AB. **Vestn Otorinolaringol** 1985 Sep–Oct; (5):27–30 (Eng. Abstr.) (Rus)

ETIOLOGY

Suppressed sneezing as a cause of hearing loss and vertigo. Schuknecht HF, et al. **Am J Otolaryngol** 1985 Nov–Dec; 6(6):468–70
Assessment of the dizzy patient. Fagan P. **Aust Fam Physician** 1986 May;15(5):534–40
Vertigo and perilymph fistula. Koltai PJ, et al. **Ear Nose Throat J** 1986 Jun;65(6):264–6
Vertigo from perilymphatic fistulas [letter] Lehrer JF, et al. **JAMA** 1986 Aug 22–29;256(8):1002–3
Delayed vertigo and profound sensorineural hearing loss. Lambert PR. **Laryngoscope** 1985 Dec;95(12):1541–4
[Differential diagnosis of tinnitus and vertigo. A review] Biedert S, et al. **Nervenarzt** 1985 Oct;56(10):535–42 (Eng. Abstr.) (Ger)
[Follow-up studies on benign paroxysmal posture vertigo] Rast N, et al. **Schweiz Med Wochenschr** 1983 Apr 9; 113(14):504–7 (Eng. Abstr.) (Ger)
[The symptom of vertigo and its objective evaluation as nystagmus in general practice] Solisch S. **Z Arztl Fortbild (Jena)** 1985;79(16):699–700 (Ger)
[Vertigo in childhood] Nagymajtényi E, et al. **Orv Hetil** 1986 Mar 16;127(11):635–8 (Eng. Abstr.) (Hun)
[Symptomatic Kimmerle anomaly. Clinical case] Iaccarino M, et al. **Pediatr Med Chir** 1985 Jul–Aug;7(4):587–9 (Eng. Abstr.) (Ita)
[Complications after surgical treatment of otosclerosis] Sekula J, et al. **Otolaryngol Pol** 1986;40(1):1–4 (Eng. Abstr.) (Pol)
[The vascular factor in vertigo] Bucur A. **Rev Chir [Otorinolaringol]** 1986 Jan–Mar;31(1):51–63 (11 ref.) (Eng. Abstr.) (Rum)
[Conventional otoneurologic examination] Romero Maura JM. **An Otorrinolaringol Ibero Am** 1986;13(3):287–99 (Eng. Abstr.) (Spa)

OCCURRENCE

[Incidence of otoneurologic diseases among workers in various professions in Sofia] Apostolov Kh, et al. **Vestn Otorinolaringol** 1986 Jul–Aug;(4):70–2 (Eng. Abstr.) (Rus)

PATHOLOGY

[Vertigo—hemiplegia—cor pulmonale—shock. Clinico-pathologic conference] Worlicek H, et al. **Fortschr Med** 1985 Aug 8;103(29):727–32 (Ger)

PHYSIOPATHOLOGY

Direction and angle of active head tilts influencing the Purkinje effect and the inhibition of postrotatory nystagmus I and II. Schrader V, et al. **Acta Otolaryngol (Stockh)** 1985 Nov–Dec;100(5–6):337–43
Eye movements induced by lateral tilt and testing of otolithic function. Shirabe S, et al. **Arch Otorhinolaryngol** 1986; 243(3):153–7
Possible implication of an efferent neuropathy in vestibular upset. Prescott CA. **J Laryngol Otol** 1986 Jul;100(7):769–74
Vertigo and imbalance in the elderly. McClure JA. **J Otolaryngol** 1986 Aug;15(4):248–52
Horizontal canal BPV. McClure JA. **J Otolaryngol** 1985 Feb; 14(1):30–5
The otolaryngic evaluation and management of the dizzy patient. Moore GF, et al. **Nebr Med J** 1985 Nov; 70(11):394–400
Vestibulospinal function in otoneurology. Norré ME, et al. **ORL J Otorhinolaryngol Relat Spec** 1986;48(1):37–44
[Posturography in peripheral vestibular pathology. Its contribution in the functional diagnosis and rehabilitation therapy] Norré ME, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(7):503–9 (Eng. Abstr.) (Fre)
[Neck-induced vertigo] Scherer H. **Arch Otorhinolaryngol [Suppl]** 1985;2:107–24 (Eng. Abstr.) (Ger)
[Semont's maneuver in paroxysmal postural vertigo] Guidetti G, et al. **Acta Otorhinolaryngol Ital** 1985 Nov–Dec; 5(6):631–41 (Eng. Abstr.) (Ita)

SURGERY

Transmastoid labyrinthectomy. Benecke JE Jr, et al. **Am J Otol** 1986 Jan;7(1):41–3
Surgery for vertigo: update 1985. Hughes GB, et al. **Am J Otol** 1985 Sep;6(5):423–7
Stapedectomy and vertigo. Birch L, et al. **Clin Otolaryngol** 1985 Aug;10(4):217–23
Surgical treatment of vertigo. Ortiz-Armenta LA, et al. **Ear Nose Throat J** 1986 Jun;65(6):267–76
Intracranial microvascular decompression for "cryptogenic" hemifacial spasm, trigeminal and glossopharyngeal neuralgia, paroxysmal vertigo and tinnitus: I. Surgical technique and results. Calbucci F, et al. **Ital J Neurol Sci** 1986 Jun;7(3):359–66
Intracranial microvascular decompression for "cryptogenic" hemifacial spasm, trigeminal and glossopharyngeal neuralgia, paroxysmal vertigo and tinnitus: II. Clinical study and long-term follow up. Michelucci R, et al. **Ital J Neurol Sci** 1986 Jun;7(3):367–74
Diagnosis and surgical treatment of disabling positional vertigo. Møller MB, et al. **J Neurosurg** 1986 Jan;64(1):21–8
Retrolabyrinthine vestibular neurectomy with simultaneous monitoring of eighth nerve and brain stem auditory evoked potentials. Silverstein H, et al. **Otolaryngol Head Neck Surg** 1985 Dec;93(6):736–42

THERAPY

Vertigo. Current concepts in management. Oosterveld WJ. **Drugs** 1985 Sep;30(3):275–83
[Effects of cholecystectomy on functional signs associated with cholelithiasis] Rousset JF, et al. **Presse Med** 1985 Sep 14;14(30):1595–8 (Eng. Abstr.) (Fre)

VERTIGO, AURAL see **MENIERE'S DISEASE**

VERY LOW DENSITY LIPOPROTEINS see **LIPOPROTEINS, VLDL**

VESICAL FISTULA see **BLADDER FISTULA**

VESICANTS see **IRRITANTS**

VESICATION see **BLISTER**

VESICO-URETERAL REFLUX

Reflux nephropathy. Becker GJ. **Aust NZ J Med** 1985 Oct; 15(5):668–76
Re: Reflux nephropathy [letter] Burger R. **J Urol** 1986 Sep; 136(3):688

CHEMICALLY INDUCED

An unusual complication of silver nitrate treatment of hemorrhagic cystitis: case report. Jerkins GR, et al. **J Urol** 1986 Aug;136(2):456–8

COMPLICATIONS

Role of Tamm-Horsfall protein in the pathogenesis of reflux nephropathy and chronic pyelonephritis. Miniter PM, et al. **Eur J Clin Microbiol** 1985 Dec;4(6):540–3
Vesicoureteral reflux, proteinuria and renal failure. Lorentz WB Jr, et al. **J Urol** 1986 Mar;135(3):559–62
Reflux nephropathy. Steinhardt GF. **J Urol** 1985 Nov; 134(5):855–9 (59 ref.)
Medical sequelae of reflux nephropathy. Orak JK, et al. **Semin Urol** 1986 May;4(2):131–4
Reflux. Turner WR Jr. **Semin Urol** 1986 May;4(2):63–9 (64 ref.)
Reimplantation of ureters for primary reflux nephropathy in end-stage renal failure. Pontin AR, et al. **Transplant Proc** 1986 Aug;18(4):974–5
[Primary megaureter in children and adults with coexisting vesico-ureteral reflux. Case report] Vitovec J. **Cesk Radiol** 1986 Mar;40(2):80–8 (Eng. Abstr.) (Cze)
[What's new in vesico-ureteral reflux] Otto-Unger G. **Z Arztl Fortbild (Jena)** 1986;80(4):179–80 (Ger)
[Vesico-ureteral reflux in children] Livne PM, et al. **Harefuah** 1985 Dec 15;109(12):383–5 (Eng. Abstr.) (Heb)
[Clinical study of reflux nephropathy. I. Outcome of renal function in VUR patients with proteinuria] Akiyama T, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Oct; 76(10):1516–23 (Eng. Abstr.) (Jpn)

CONGENITAL

Acetylcholinesterase activities in association with congenital malformation of the terminal ureter in infants and children. Hofmann J, et al. **Z Kinderchir** 1986 Feb;41(1):32–4

DIAGNOSIS

The detection of vesicoureteral reflux in the child. Lebowitz RL. **Invest Radiol** 1986 Jul;21(7):519–31 (48 ref.)
Elusive vesicoureteral reflux in children with normal contrast cystograms. Kogan SJ, et al. **J Urol** 1986 Jul;136(1 Pt

2):325–8
Fetal hydronephrosis and polyhydramnios associated with vesico–ureteral reflux [letter] Meizner I, et al. **JCU** 1985 Nov–Dec;13(9):693–4
Massive vesicoureteral reflux mimicking posterior urethral valves in a fetus. Reuter KL, et al. **JCU** 1985 Oct; 13(8):584–7
[Diagnosis and operative therapy of vesico–renal reflux] Alken P, et al. **Klin Wochenschr** 1985 Sep 16;63(18):912–9 (Eng. Abstr.) (Ger)
[Diagnostic value of sonography in vesico–ureteral reflux in infancy and childhood] Hofmann V, et al. **Monatsschr Kinderheilkd** 1985 Nov;133(11):834–9 (Eng. Abstr.) (Ger)
[Primary vesico–ureteral reflux. Symptomatology and diagnostic delay] Benigno V, et al. **Minerva Pediatr** 1985 Oct 15;37(19):735–9 (Eng. Abstr.) (Ita)
[Clinical study of children with sterile vesicoureteral reflux] Pak K, et al. **Hinyokika Kiyo** 1985 Aug;31(8):1349–55 (Eng. Abstr.) (Jpn)

DRUG THERAPY

Effects of oxybutynin on vesicoureteral reflux in children. Homsy YL, et al. **J Urol** 1985 Dec;134(6):1168–71
[Endoscopic treatment of vesico–ureteral reflux in children] Schulman CC. **Acta Urol Belg** 1986;54(1):60–6 (Eng. Abstr.) (Fre)

ETIOLOGY

Vesicoureteral reflux and the unstable bladder [editorial] Allen TD. **J Urol** 1985 Dec;134(6):1180
The significance of the adrenergic nerves in the etiology of vesicoureteral reflux. Kiruluta HG, et al. **J Urol** 1986 Jul; 136(1 Pt 2):232–5
The effects of chronic cystitis on vesicoureteral reflux in an animal model. Lewis RW, et al. **J Urol** 1986 Jan; 135(1):182–4
Vesicoureteral reflux in children with myelodysplasia: natural history and results of treatment. Sidi AA, et al. **J Urol** 1986 Jul;136(1 Pt 2):329–31
Constipation: a cause of enuresis, urinary tract infection and vesico–ureteral reflux in children. O'Regan S, et al. **Med Hypotheses** 1985 Aug;17(4):409–13
Early vesico–ureteral reflux following conus medullaris injury: case report. Dudognon P, et al. **Paraplegia** 1986 Jun;24(3):194–200
Reflux nephropathy follows obstruction or infection. Roberts JA. **Semin Urol** 1986 May;4(2):70–3 (37 ref.)
Urinary tract infection, vesicoureteric reflux, and renal scarring. Smellie JM. **Semin Urol** 1986 May;4(2):82–5
Ureteral reflux and ileal conduit pressure following diversion with a reflux–preventing technique. Claesson K, et al. **Ups J Med Sci** 1985;90(2):119–25
[Stenosis and reflux after surgery of the ureterovesical junction in children. Indications and results of reoperation. Apropos of 460 ureterovesical reimplantations] Viville C. **J Urol (Paris)** 1985;91(8):509–17 (Eng. Abstr.) (Fre)
[Vesico–renal reflux caused by neurogenic bladder from spina bifida in childhood] Beseghi U, et al. **Acta Biomed Ateneo Parmense** 1986;57(1–2):5–8 (Eng. Abstr.) (Ita)
[Vesicoureteral reflux and renal atrophy in spinal cord injury patients] Takamatsu T. **Nippon Hinyokika Gakkai Zasshi** 1985 May;76(5):687–94 (Eng. Abstr.) (Jpn)
[Pathogenesis and treatment of vesico–ureteral reflux in children with uninhibited urinary bladder] Dzhavad–Zade MD, et al. **Urol Nefrol (Mosk)** 1986 May–Jun;(3):3–8 (Eng. Abstr.) (Rus)
[Glomerulosclerosis and its relation to reflux nephropathy] Urizar R, et al. **Rev Chil Pediatr** 1985 May–Jun; 56(3):188–92 (Eng. Abstr.) (Spa)

FAMILIAL & GENETIC

Screening for familial reflux: an update. Noe HN. **Semin Urol** 1986 May;4(2):86–7
Familial vesicoureteral reflux: a study of 16 families. Sirota L, et al. **Urol Radiol** 1986;8(1):22–4

HISTORY

Reflux: a career experience. Williams DI. **J Urol** 1986 Jul; 136(1 Pt 2):333–5

IMMUNOLOGY

Human leukocyte antigens and vesicoureteral reflux in Greek children. Zervas J, et al. **Eur Urol** 1986;12(4):230–1
[Changes in humoral and cellular immunity in children with chronic obstructive pyelonephritis with vesico–ureteral reflux, hydronephrosis and ureterohydronephrosis] Botvin'eva VV, et al. **Pediatriia** 1986 Feb;(2):19–22 (Eng. Abstr.) (Rus)

PATHOLOGY

[Significance of kidney papillae in the pathogenesis of pyelonephritis and reflux nephropathy] Gloor F, et al. **Klin Wochenschr** 1985 Sep 16;63(18):907–11 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

Dynamics of the urinary tract in longterm vesico–ureteral reflux with infravesical obstruction and infection in pigs. V. Jörgensen TM, et al. **Scand J Urol Nephrol** 1985; 19(2):113–7
Dynamics of the urinary tract in longterm vesico–ureteric reflux and infravesical obstruction in pigs. IV. Jörgensen TM. **Scand J Urol Nephrol** 1985;19(3):193–202
Dynamics of spontaneous refluxing and non–refluxing ureters in pigs. I. The impact of urine flow variations. Jörgensen TM, et al. **Scand J Urol Nephrol** 1985;19(3):161–72
Dynamics of the urinary tract during induced vesico–ureteric reflux in pigs. II. Jörgensen TM, et al. **Scand J Urol Nephrol** 1985;19(3):173–82
Dynamics of the urinary tract in longterm vesico–ureteric reflux in pigs. III. Jörgensen TM. **Scand J Urol Nephrol** 1985;19(3):183–91
Pressure evaluation of the antireflux ability of the rat ureterovesical junction. Vercesi LA, et al. **Urol Int** 1986; 41(3):192–5
Enuresis as protective factor in vesicoureteral reflux. Nielsen JB, et al. **Urology** 1985 Nov;26(5):468–73
[Urodynamic study on pediatric vesicoureteral reflux by X–ray fluoroscopic cystometry] Hiraga S, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Dec;76(12):1855–68 (Eng. Abstr.) (Jpn)
[Vesico–ureteral reflux in children with so–called sterile urine] Pugachev AG, et al. **Urol Nefrol (Mosk)** 1986 May–Jun;(3):8–12 (Eng. Abstr.) (Rus)
[Kidney growth in children with vesicoureteral reflux] Batinić D, et al. **Liječ Vjesn** 1986 Feb–Mar;108(2–3):53–6 (Eng. Abstr.) (Scr)

RADIOGRAPHY

Ureteral diameter in low–risk vesicoureteral reflux in infancy and childhood. Hellström M, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Jan–Feb;27(1):77–83
Detection of vesicoureteral reflux in children [letter] Taylor GA. **AJR** 1986 Mar;146(3):647
Micturating cystourethrography and vesicoureteral reflux. Thomsen HS, et al. **Eur J Radiol** 1985 Nov;5(4):318–20
Uncrossed complete ureteral duplication with upper system reflux. Ahmed S, et al. **J Urol** 1986 Jan;135(1):128–9
Vesicoureteric reflux: radiologic aspects. Macpherson RI, et al. **Semin Urol** 1986 May;4(2):89–98

RADIONUCLIDE IMAGING

Radionuclide voiding cystography in intrarenal reflux detection. Rizzoni G, et al. **Ann Radiol (Paris)** 1986; 29(3–4):415–20
Ureteral reflux of recipient's own kidneys. A potential source of error in renal transplant evaluation. Serena A, et al. **Clin Nucl Med** 1986 Jan;11(1):59–61
Vesicoureteral reflux mimicking obstructive uropathy [letter] Malat J, et al. **J Nucl Med** 1986 Feb;27(2):304–5
Comparison of "direct" and "indirect" radionuclide cystography [letter] Pollet JE, et al. **J Nucl Med** 1985 Dec; 26(12):1501–2
The diagnosis of vesico–ureteral reflux. Radiologic and nuclear medicine methods. Nielsen JB, et al. **Scand J Urol Nephrol** 1985;19(2):109–12
Use of Tc–99m DMSA and Tc–99m DTPA in reflux. Gordon I. **Semin Urol** 1986 May;4(2):99–107
[Retrograde radioisotope cystography in the diagnosis of vesicorenal reflux in children] Kliment J, et al. **Cesk Pediatr** 1985 Dec;40(12):723–6 (Eng. Abstr.) (Slo)

SURGERY

Renal function following surgical correction of vesico–ureteric reflux in childhood. Scott DJ, et al. **Br J Urol** 1986 Apr;58(2):119–24
A combined antireflux procedure. Lipsky H. **Eur Urol** 1985; 11(6):422–4
Follow–up of renal morphology and growth of 141 children operated for vesicoureteral reflux: a retrospective computerized study. Ginalski JM, et al. **J Pediatr Surg** 1986 Aug;21(8):697–701
The antireflux ureteroileal reimplantation in children and adults. Lockhart JL, et al. **J Urol** 1986 Mar;135(3):576–9
The role of dysfunctional voiding in failure or complication of ureteral reimplantation for primary reflux. Noe HN. **J Urol** 1985 Dec;134(6):1172–5
Renal transplantation in primary reflux nephropathy without nephro–ureterectomy. A report of 4 cases. Pontin AR, et al. **S Afr Med J** 1985 Oct 12;68(8):593–6
Surgical management of vesicoureteral reflux. Hoover DL. **Semin Urol** 1986 May;4(2):109–16
Complications of ureteral reimplantation. Kroovand RL. **Semin Urol** 1986 May;4(2):126–30
Paquin revisited. Mininberg DT, et al. **Semin Urol** 1986 May; 4(2):117–25
Surgical treatment of reflux in neurologically impaired child. Evans RJ, et al. **Urology** 1986 Jul;28(1):31–5
[The surgical treatment of vesico–ureteral reflux in children. Study of 360 cases] Hennebert PN, et al. **Acta Urol Belg** 1986;54(2):160–7 (Eng. Abstr.) (Fre)
[Long–term renal growth following surgery for vesico–ureteral reflux in children] Hennion–Bernard C, et al. **Ann Pediatr (Paris)** 1986 Mar;33(3):253–6 (Eng. Abstr.) (Fre)
[Vesico–ureteral reflux in adults. Apropos of 103 cases] Li Z, et al. **J Urol (Paris)** 1985;91(9):589–93 (Eng. Abstr.) (Fre)
[Prospective alternating comparisons of the operative and nonoperative treatment of vesico–renal reflux] Olbing H. **Klin Wochenschr** 1985 Sep 16;63(18):927–33 (Eng. Abstr.) (Ger)
[Clinical course and scar development in operated vesico–renal reflux in a long–term study] Schulte–Wissermann H, et al. **Klin Wochenschr** 1985 Sep 16;63(18):920–6 (Eng. Abstr.) (Ger)
[Results of treatment following 474 Leadbetter–Politano ureterocystoneostomies in vesicorenal reflux] Hinselmann D, et al. **Z Kinderchir** 1986 Jun;41(3):160–2 (Eng. Abstr.) (Ger)
[Ureterocystoneostomy using the psoas hitch technic—outside variant] Perović S, et al. **Z Kinderchir** 1986 Jun;41(3):163–6 (Eng. Abstr.) (Ger)
[Value of the distal urethrotomy in girls with infravesicular obstruction and vesico–ureteral reflux] Nürnberger N. **Z Urol Nephrol** 1985 Nov;78(11):589–93 (Eng. Abstr.) (Ger)
[Operative therapy of a refluxing double ureter in childhood] Friedrich U, et al. **Zentralbl Chir** 1985;110(16):1006–14 (Eng. Abstr.) (Ger)
[Neuropathic bladder in childhood. Treatment of the complications and prevention] Belloli G, et al. **Pediatr Med Chir** 1985 Sep–Oct;7(5):677–84 (Eng. Abstr.) (Ita)
[Long–term evaluation of renal damage in primary vesico–renal reflux after corrective surgery] Belloli G, et al. **Pediatr Med Chir** 1985 Sep–Oct;7(5):643–52 (Eng. Abstr.) (Ita)
[Primary vesico–uretero–renal reflux. Results of surgical treatment in over 1,100 refluxing ureters] Musi L, et al. **Pediatr Med Chir** 1985 Sep–Oct;7(5):629–33 (Eng. Abstr.) (Ita)
[Treatment of vesicoureteral reflux by endoscopic operation in dogs] Kohri K, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Apr;77(4):633–41 (Eng. Abstr.) (Jpn)
[Vesicovaginal fistula after antireflux implantation of the ureter] Borówka A, et al. **Wiad Lek** 1986 Mar 15; 39(6):408–12 (Eng. Abstr.) (Pol)
[Results of the surgical treatment of vesico–ureteral reflux in children with double ureters] Fryczkowski M, et al. **Wiad Lek** 1985 Dec 15;38(24):1700–4 (Eng. Abstr.) (Pol)
[New methods of the surgical treatment of the sequelae of total ureter duplex in children] Witeska A. **Wiad Lek** 1985 Sep 1;38(17):1208–12 (Pol)
[Evaluation of the urodynamics of the upper urinary tract by ureteromanometry after anti–reflux surgery in children] Derzhavin VM, et al. **Urol Nefrol (Mosk)** 1985 Jul–Aug; (4):47–53 (Eng. Abstr.) (Rus)
[Surgical treatment of vesico–ureteral reflux in children] Rumiantseva GN, et al. **Urol Nefrol (Mosk)** 1986 Mar–Apr; (2):7–10 (Eng. Abstr.) (Rus)
[The vesico–ureteral junction in children: its topography, structure and significance] Kernesiuk NL. **Vestn Khir** 1986 Apr;136(4):93–8 (Eng. Abstr.) (Rus)
[Gil–Vernet's antireflux operation. Results in 10 cases] Arango Toro OJ, et al. **Actas Urol Esp** 1985 Jul–Aug; 9(4):313–6 (Eng. Abstr.) (Spa)
[Evaluation of renal growth in surgery of vesico–ureteral reflux] Sánchez Cortés E, et al. **Actas Urol Esp** 1986 Mar–Apr;10(2):87–90 (Eng. Abstr.) (Spa)
[Vesicorenal reflux. Therapeutic concept of the Urologic Clinic of the University of Maguncia] Becht E, et al. **Arch Esp Urol** 1985 Sep–Oct;38(5):485–94 (Eng. Abstr.) (Spa)

THERAPY

Treatment of vesicorenal reflux in adults by endoscopic injection of Teflon. Giannotti P, et al. **Acta Urol Belg** 1986; 54(2):168–74
Nonoperative management of vesicoureteral reflux. Bloom DA, et al. **Semin Urol** 1986 May;4(2):74–81
[Therapeutic tactics in primary vesico–ureteral reflux in children] Kan IaD. **Urol Nefrol (Mosk)** 1985 Jul–Aug; (4):44–7 (Eng. Abstr.) (Rus)
[Treatment of vesicoureteral reflux by endoscopic injection of teflon] Mocellini Iturralde JA, et al. **Arch Esp Urol** 1985 Nov–Dec;38(6):579–83 (Eng. Abstr.) (Spa)

VESICOVAGINAL FISTULA

COMPLICATIONS

Vesical calculi associated with vesicovaginal fistulas: management considerations. Mahapatra TP, et al. **J Urol** 1986 Jul;136(1):94–5
[A case of gas gangrene in a vesico–vaginal fistula] Kikuchi K, et al. **Hinyokika Kiyo** 1985 Dec;31(12):2255–9 (Eng. Abstr.) (Jpn)

CONGENITAL

[A case of congenital vesicovaginal fistula] Ito T, et al. **Hinyokika Kiyo** 1985 May;31(5):839–44 (Eng. Abstr.) (Jpn)

ETIOLOGY

Vesicovaginal fistula in Nigerian children. Tahzib F. **Lancet** 1985 Dec 7;2(8467):1291–3

[Urogenital fistulas after gynecologic operations] Sikorski A, et al. **Ginekol Pol** 1985 Sep;56(9):557–62 (Eng. Abstr.) **(Pol)**

[Vesicovaginal fistula after antireflux implantation of the ureter] Borówka A, et al. **Wiad Lek** 1986 Mar 15; 39(6):408–12 (Eng. Abstr.) **(Pol)**

[Vaginal foreign bodies as the cause of urogenital fistulas in girls] Pesin AL. **Urol Nefrol (Mosk)** 1986 Jan–Feb; (1):65–6 **(Rus)**

[Ileo–vesico–vaginal fistula secondary to Crohn disease] Pellicé Vilalta C, et al. **Arch Esp Urol** 1986 Jun;39(5):355–7 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Total abdominal hysterectomy after radiation therapy for cervical cancer: use of omental graft for fistula prevention. Petty WM, et al. **Am J Obstet Gynecol** 1986 Jun; 154(6):1222–6

RADIOGRAPHY

Spontaneous healing of uretero–vesico–vaginal fistulas. Alonso Gorrea M, et al. **Eur Urol** 1985;11(5):341–3

SURGERY

Obstetric vesicovaginal fistulae. Experience with 89 cases. Vanderputte SR. **Ann Soc Belg Med Trop** 1985 Sep; 65(3):303–9

Vaginal prosthesis for control of vesicovaginal fistula. Green DE, et al. **Gynecol Oncol** 1986 Jan;23(1):119–23

Simple management of difficult vesicovaginal fistulae by the anterior transvesical approach. Udeh FN. **Int Urol Nephrol** 1985;17(2):159–63

A new retropubic retrourethral approach for large vesico–urethrovaginal fistulas. Koraitim M. **J Urol** 1985 Dec;134(6):1122–3

Vesicovaginal and urethrovaginal fistulae. Zimmern P, et al. **Semin Urol** 1986 Feb;4(1):24–9

Repair of the radiation–induced vaginal fistula utilizing the Martius technique. Boronow RC. **World J Surg** 1986 Apr; 10(2):237–48

[Transvaginal urethrocystoplasty: clinical observations and therapy] Austoni E, et al. **Ann Ostet Ginecol Med Perinat** 1985 Jul–Aug; 106(4):206–13 (Eng. Abstr.) **(Ita)**

[CO2 laser in the surgical treatment of vesicovaginal fistula] Nikol'skiĭ AL, et al. **Akush Ginekol (Mosk)** 1986 Feb; (2):66–7 **(Rus)**

[Vesicovaginal fistula. Transvesical vs. transvaginal route] González Luna D, et al. **Ginecol Obstet Mex** 1985 Jul; 53:197–200 (Eng. Abstr.) **(Spa)**

THERAPY

[Magnetic obturation of undeveloped vesicovaginal fistulas] Frank VA. **Urol Nefrol (Mosk)** 1986 Jan–Feb;(1):47–9 (Eng. Abstr.) **(Rus)**

VESICULAR EXANTHEMA OF SWINE

IMMUNOLOGY

[Trial samples of inactivated vaccines against vesicular swine disease and their effectiveness in animal experiments] Leopoldt D, et al. **Arch Exp Veterinarmed** 1985 Sep; 39(5):738–45 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

[Safety and effectiveness of Riems vesicular swine disease adsorbate vaccines] Leopoldt D, et al. **Arch Exp Veterinarmed** 1985 Sep;39(5):781–95 (Eng. Abstr.) **(Ger)**

VESICULAR STOMATITIS VIRUS

ANALYSIS

Mapping regions of the matrix protein of vesicular stomatitis virus which bind to ribonucleocapsids, liposomes, and monoclonal antibodies. Ogden JR, et al. **J Virol** 1986 Jun; 58(3):860–8

DRUG EFFECTS

Effect of amino acids on the expression of antiviral activity of different types of human interferon. II. Effects of various amino acid pairs. Tóth S, et al. **Acta Microbiol Hung** 1985; 32(4):369–72

Effect of amino acids on the expression of antiviral activity of different types of human interferon. I. Effect of single amino acids. Tóth S, et al. **Acta Microbiol Hung** 1985; 32(4):363–8

Effect of ribavirin on macromolecular synthesis in vesicular stomatitis virus–infected cells. Toltzis P, et al. **Antimicrob Agents Chemother** 1986 Jun;29(6):1010–6

Antiviral effect of two aryl–oligopeptides, FR41565 and FR48217. Oku T, et al. **Antiviral Res** 1986 Jul;6(4):233–9

Antiviral and antiproliferative activities of human leukocyte interferon potentiated by cimetidine in vitro. Hirai N, et al. **J Interferon Res** 1985 Summer;5(3):375–82

Antiviral activity towards VSV and Mengo virus of a chemically stabilized 2–5A analog upon microinjection into HeLa cells. Defilippi P, et al. **Prog Clin Biol Res** 1985; 202:141–6

Analysis of interferon actions using partially resistant cell variants. Sen G, et al. **Prog Clin Biol Res** 1985;202:175–82

ENZYMOLOGY

Vesicular stomatitis virus produced from infected LSTRA lymphoma cells bear tyrosine protein kinase activity (p56). Fischer S, et al. **J Biol Chem** 1985 Nov 25;260(27):14406–9

Expression of a cDNA encoding a functional 241–kilodalton vesicular stomatitis virus RNA polymerase. Schubert M, et al. **Proc Natl Acad Sci USA** 1985 Dec;82(23):7984–8

Ultrastructural localization of L and NS enzyme subunits on vesicular stomatitis virus RNPs using gold sphere–staphylococcal protein A–monospecific IgG conjugates. Harmon SA, et al. **Virology** 1985 Apr 30; 142(2):406–10

GENETICS

Role of glycosylation in transport of vesicular stomatitis virus envelope glycoprotein. A new class of mutant defective in glycosylation and transport of G protein. Kotwal GJ, et al. **J Biol Chem** 1986 Jul 5;261(19):8936–43

Sorting and endocytosis of viral glycoproteins in transfected polarized epithelial cells. Gottlieb TA, et al. **J Cell Biol** 1986 Apr;102(4):1242–55

Secretory protein targeting in a pituitary cell line: differential transport of foreign secretory proteins to distinct secretory pathways. Moore HP, et al. **J Cell Biol** 1985 Nov;101(5 Pt 1):1773–81

Cloning and expression of a viral phosphoprotein: structure suggests vesicular stomatitis virus NS may function by mimicking an RNA template. Hudson LD, et al. **J Gen Virol** 1986 Aug;67 (Pt 8):1571–9

Conservation of potential phosphorylation sites in the NS proteins of the New Jersey and Indiana serotypes of vesicular stomatitis virus. Rae BP, et al. **J Gen Virol** 1986 Jul;67 (Pt 7):1351–60

Evolution of vesicular stomatitis virus in athymic nude mice: mutations associated with natural killer cell selection. Vandepol SB, et al. **J Gen Virol** 1986 Mar;67 (Pt 3):441–51

Interaction of mRNA with proteins in vesicular stomatitis virus–infected cells. Adam SA, et al. **J Virol** 1986 Feb; 57(2):614–22

Further characterization of the vesicular stomatitis virus temperature–sensitive O45 mutant: intracellular conversion of the glycoprotein to a soluble form. Chen SS, et al. **J Virol** 1986 Aug;59(2):210–5

Sequence alterations in temperature–sensitive M–protein mutants (complementation group III) of vesicular stomatitis virus. Gopalakrishna Y, et al. **J Virol** 1985 Dec;56(3):655–9

Regulation of viral transcription by the matrix protein of vesicular stomatitis virus probed by monoclonal antibodies and temperature–sensitive mutants. Pal R, et al. **J Virol** 1985 Nov;56(2):386–94

Inhibition of DNA–dependent transcription by the leader RNA of vesicular stomatitis virus: role of specific nucleotide sequences and cell protein binding. Grinnell BW, et al. **Mol Cell Biol** 1985 Oct;5(10):2502–13

A single N–linked oligosaccharide at either of the two normal sites is sufficient for transport of vesicular stomatitis virus G protein to the cell surface. Machamer CE, et al. **Mol Cell Biol** 1985 Nov;5(11):3074–83

Stimulation of vesicular stomatitis virus in vitro RNA synthesis by microtubule–associated proteins. Hill VM, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(15):5410–3

Tubulin: a factor necessary for the synthesis of both Sendai virus and vesicular stomatitis virus RNAs. Moyer SA, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(15):5405–9

Regulated expression of Sindbis and vesicular stomatitis virus glycoproteins in Saccharomyces cerevisiae. Wen DZ, et al. **Proc Natl Acad Sci USA** 1986 Jun;83(11):3639–43

Susceptibility of different leukemic cell lines to the anticellular and antiviral effects of interferons. Ho CK, et al. **Proc Natl Sci Counc Repub China [B]** 1985 Jul;9(3):235–8

Lack of correlation between the accumulation of plus–strand leader RNA and the inhibition of protein and RNA synthesis in vesicular stomatitis virus infected mouse L cells. Dunigan DD, et al. **Virology** 1986 Apr 15; 150(1):231–46

Complete nucleotide sequence of the matrix protein mRNA of vesicular stomatitis virus (New Jersey serotype). Gill DS, et al. **Virology** 1986 Apr 15;150(1):308–12

Frequent generation of new 3'–defective interfering particles of vesicular stomatitis virus. Kang CY, et al. **Virology** 1985 Jun;143(2):630–5

Expression of genes encoding vesicular stomatitis and Sindbis virus glycoproteins in yeast leads to formation of disulfide–linked oligomers. Wen D, et al. **Virology** 1986 Aug;153(1):150–4

Monoclonal antibodies to the matrix protein of vesicular stomatitis virus (New Jersey serotype) and their effects on viral transcription. Ye Z, et al. **Virology** 1985 Jun; 143(2):657–62

[Inhibition of virus multiplication by immunoactive peptides] Imanishi J, et al. **C R Soc Biol (Paris)** 1985;179(3):414–9 (Eng. Abstr.) **(Fre)**

GROWTH & DEVELOPMENT

Very rapid generation/amplification of defective interfering particles by vesicular stomatitis virus variants isolated from persistent infection. DePolo NJ, et al. **J Gen Virol** 1986 Jun;67 (Pt 6):1195–8

An antiviral state induced in HeLa cells by microinjected poly(rI).poly(rC). Silhol M, et al. **J Gen Virol** 1986 Sep; 67 (Pt 9):1867–73

IMMUNOLOGY

Immune responses of cattle and mice to the G glycoprotein of vesicular stomatitis virus. Yilma T, et al. **Adv Exp Med Biol** 1985;185:101–15

Enzootic vesicular stomatitis New Jersey type in an insular feral swine population. Stallknecht DE, et al. **Am J Epidemiol** 1985 Nov;122(5):876–83

An enzyme–linked immunosorbent assay for the detection of bovine antibodies to vesicular stomatitis virus. Workman T, et al. **Am J Vet Res** 1986 Jul;47(7):1507–12

Recent vesicular stomatitis virus infection detected by immunoglobulin M antibody capture enzyme–linked immunosorbent assay. Vernon SD, et al. **J Clin Microbiol** 1985 Oct;22(4):582–6

Recognition of cloned vesicular stomatitis virus internal and external gene products by cytotoxic T lymphocytes. Yewdell JW, et al. **J Exp Med** 1986 Jun 1;163(6):1529–38

Antibody mediated suppression of secondary IgM response in nude mice against vesicular stomatitis virus. Charan S, et al. **J Immunol** 1986 Apr 15;136(8):3057–61

Effects of cyclosporin A on humoral immune response and resistance against vesicular stomatitis virus in mice. Charan S, et al. **J Virol** 1986 Mar;57(3):1139–44

Antibodies to vesicular stomatitis New Jersey type virus in a population of white–tailed deer. Stallknecht DE, et al. **J Wildl Dis** 1986 Apr;22(2):250–4

Antibodies to vesicular stomatitis virus in populations of feral swine in the United States. Stallknecht DE, et al. **J Wildl Dis** 1986 Jul;22(3):320–5

Primary antibody responses to a well–defined and unique hapten are not enhanced by preimmunization with carrier: analysis in a viral model. Gupta SC, et al. **Proc Natl Acad Sci USA** 1986 Apr;83(8):2604–8

Interferon induction by viruses. XIII. Detection and assay of interferon induction–suppressing particles. Marcus PI, et al. **Virology** 1985 Apr 30;142(2):411–5

Sequences of the major antibody binding epitopes of the Indiana serotype of vesicular stomatitis virus. Vandepol SB, et al. **Virology** 1986 Jan 30;148(2):312–25

ISOLATION & PURIFICATION

Characterization of New Jersey vesicular stomatitis virus isolates from horses and black flies during the 1982 outbreak in Colorado. Schnitzlein WM, et al. **Virology** 1985 Apr 30;142(2):426–31

METABOLISM

Effect of the vesicular stomatitis virus matrix protein on the lateral organization of lipid bilayers containing phosphatidylglycerol: use of fluorescent phospholipid analogues. Wiener JR, et al. **Biochemistry** 1985 Dec 17; 24(26):7651–8

Scanning fluorescence correlation spectroscopy. II. Application to virus glycoprotein aggregation. Petersen NO, et al. **Biophys J** 1986 Apr;49(4):817–20

Effect of monensin on the synthesis, maturation and secretion of vesicular stomatitis virus proteins in a monensin–resistant Chinese hamster ovary cell line. Ono M, et al. **Cell Struct Funct** 1985 Sep;10(3):279–94

Cell surface influenza haemagglutinin can mediate infection by other animal viruses. Fuller SD, et al. **EMBO J** 1985 Oct;4(10):2475–85

Microinjected antibodies against the cytoplasmic domain of vesicular stomatitis virus glycoprotein block its transport to the cell surface. Kreis TE. **EMBO J** 1986 May; 5(5):931–41

Immuno–isolation of vesicles using antigenic sites either located on the cytoplasmic or the exoplasmic domain of an implanted viral protein. A quantitative analysis. Gruenberg J, et al. **Eur J Cell Biol** 1985 Sep;38(2):312–21

Cytoplasmic domains of cellular and viral integral membrane proteins substitute for the cytoplasmic domain of the vesicular stomatitis virus glycoprotein in transport to the plasma membrane. Puddington L, et al. **J Cell Biol** 1986 Jun;102(6):2147–57

Vesicular stomatitis virus N and NS proteins form multiple complexes. Davis NL, et al. **J Virol** 1986 Sep;59(3):751–4

The soluble glycoprotein of vesicular stomatitis virus is formed during or shortly after the translation process. Graeve L, et al. **J Virol** 1986 Mar;57(3):968–75

Internal initiation of translation on the vesicular stomatitis virus phosphoprotein mRNA yields a second protein. Herman RC. **J Virol** 1986 Jun;58(3):797–804

Study of receptors for vesicular stomatitis virus in vertebrate and invertebrate cells. Seganti L, et al. **Microbiologica** 1986 Jul;9(3):259–67

The intracellular half–lives of nonreplicating nucleocapsids of DI particles of wild type and mutant strains of vesicular stomatitis virus. DePolo NJ, et al. **Virology** 1986 Jun; 151(2):371–8

Detection of in vivo synthesis of polycistronic mRNAs of

vesicular stomatitis virus. Masters PS, et al. **Virology** 1984 Apr 30;134(2):277–86

PATHOGENICITY

Persistent infection of a temperature-sensitive G31 vesicular stomatitis virus mutant in neural and nonneural cells: biological and virological characteristics. Huprikar J, et al. **J Virol** 1986 May;58(2):493–9

Differing responses of hamsters to infection by vesicular stomatitis virus Indiana and New Jersey serotypes. Fultz PN, et al. **Virus Res** 1985 Sep;3(2):129–40

[Characteristics of the interaction of the influenza and vesicular stomatitis viruses with the splenocytes of inbred mice] Smorodintsev AA. **Vopr Virusol** 1986 Jan–Feb; 31(1):100–4 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Role of sialic acid in cell receptors for vesicular stomatitis virus. Superti F, et al. **Acta Virol (Praha)** 1986 Jan; 30(1):10–8

Vesicular stomatitis virus binds and fuses with phospholipid domain in target cell membranes. Yamada S, et al. **Biochemistry** 1986 Jun 17;25(12):3703–8

Amino-terminal mutation of the vesicular stomatitis virus glycoprotein does not affect its fusion activity. Woodgett C, et al. **J Virol** 1986 Aug;59(2):486–9

Gangliosides in early interactions between vesicular stomatitis virus and CER cells. Sinibaldi L, et al. **Microbiologica** 1985 Oct;8(4):355–65

ULTRASTRUCTURE

Stereo images of vesicular stomatitis virus assembly. Odenwald WF, et al. **J Virol** 1986 Mar;57(3):922–32

VESTIBULAR APPARATUS

Frequency analysis of body sway in the upright posture. Statistical study in cases of peripheral vestibular disease. Yoneda S, et al. **Acta Otolaryngol (Stockh)** 1986 Jul–Aug; 102(1–2):87–92

Neuro-ophthalmologic findings in vestibulocerebellar ataxia. Farris BK, et al. **Arch Neurol** 1986 Oct;43(10):1050–3

Posture testing (posturography) in the diagnosis of peripheral vestibular pathology. Norré ME, et al. **Arch Otorhinolaryngol** 1986;243(3):186–9

New perspectives in the investigation of disorders of balance. Hood JD. **Br J Audiol** 1986 Aug;20(3):195–207

Regional differences of brain glucose metabolic compensation after unilateral labyrinthectomy in rats: a [14C]2-deoxyglucose study. Luyten WH, et al. **Brain Res** 1986 May 14;373(1–2):68–80

Observations on the Tullio phenomenon. Vogel P, et al. **J Neurol** 1986 Jun;233(3):136–9

Central compensation of vestibular deficits. III. Response characteristics of lateral vestibular neurons to roll tilt after contralateral labyrinth deafferentation. Lacour M, et al. **J Neurophysiol** 1985 Oct;54(4):988–1005

Central compensation of vestibular deficits. IV. Responses of lateral vestibular neurons to neck rotation after labyrinth deafferentation. Xerri C, et al. **J Neurophysiol** 1985 Oct; 54(4):1006–25

A procedure of vestibular decompensation for clinical diagnosis. I. Animal experiments. Noel F, et al. **J Otolaryngol** 1986 Feb;15(1):9–14

Two emerging perilymph fistula "syndromes" in children. Petroff MA, et al. **Laryngoscope** 1986 May;96(5):498–501

Perilymphatic fistulas: are they exclusive to the round and oval windows? Yaniv E, et al. **Laryngoscope** 1986 Apr; 96(4):360–2

Cochleovestibular disorders and hyperlipidemia. A controlled trial with fenofibrate. Torossian F, et al. **Monogr Atheroscler** 1986;14:222–9

Results of sinusoidal harmonic acceleration test in one thousand patients: preliminary report. Hamid MA, et al. **Otolaryngol Head Neck Surg** 1986 Jan;94(1):1–5

[Postural nystagmus in acute vestibular disorders] Hahn A. **Cesk Otolaryngol** 1986 Jan;35(1):41–4 (Eng. Abstr.) (Cze)

[Cochleo-vestibular attacks of viral origin] Barthelemy M. **Acta Otorhinolaryngol Belg** 1985;39(5):844–55 (Eng. Abstr.) (Fre)

[Comparative studies of the results of caloric vestibular tests and classical torsion swing tests] Ghilardi PL, et al. **Acta Otorhinolaryngol Belg** 1985;39(6):961–71 (Eng. Abstr.) (Fre)

[Cogan's syndrome: apropos of a case. Association with Crohn's disease (letter)] Buge A, et al. **Ann Med Interne (Paris)** 1986;137(1):75–6 (Fre)

[A neoplasm of the middle ear causing a vestibular syndrome in a dog] Bichsel P, et al. **Schweiz Arch Tierheilkd** 1985 Nov;127(11):717–22 (Eng. Abstr.) (Fre)

[Sudden vestibular deficiency. Early and late functional course] Liard P, et al. **Schweiz Rundsch Med Prax** 1985 May 21;74(21):567–71 (Eng. Abstr.) (Fre)

[Acute loss of vestibular function: an emergency for patient and physician] Streinzer W, et al. **Wien Klin Wochenschr** 1986 Jun 27;98(13):421–5 (Eng. Abstr.) (Ger)

[Differentiation between vestibular and nonvestibular vertigo] Gudziol H, et al. **Z Arztl Fortbild (Jena)** 1986; 80(10):407–9 (Ger)

[Prognostic correlation among facial nerve palsy, hearing impairment, and vestibular disorder in Ramsay Hunt syndrome] Nakao Y, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1986 May;89(5):613–7 (Eng. Abstr.) (Jpn)

[Cochleovestibular involvement in chronic suppuration of the ear] Sbenghe-Tetu L, et al. **Rev Chir [Otorinolaringol]** 1985 Jul–Sep;30(3):169–74 (Eng. Abstr.) (Rum)

[Mechanism of the effect of acupuncture in patients with vestibular disorders] Paskar' NP. **Vestn Otorinolaringol** 1985 Nov–Dec;(6):20–3 (Eng. Abstr.) (Rus)

[Cochleovestibular disorders in patients with early signs of cerebral circulatory insufficiency] Petrova EI, et al. **Vestn Otorinolaringol** 1986 May–Jun;(3):21–4 (Eng. Abstr.) (Rus)

ABNORMALITIES

Temporal bone pathology in congenital anomalies of the oval window and the facial nerve. Saito R, et al. **Auris Nasus Larynx** 1985;12(3):139–48

ANALYSIS

Energy dispersive X-ray microanalysis of individual vestibular hair cells. Anniko M, et al. **Arch Otorhinolaryngol** 1985;242(2):161–6

ANATOMY & HISTOLOGY

Comparative morphometric study of the vestibular system of the vertebrata: reptilia, aves, amphibia, and pisces. Ramprashad F, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1986;427:1–42

Anatomic basis for labyrinthine preservation during posterior fossa acoustic tumor surgery. Kartush JM, et al. **Laryngoscope** 1986 Sep;96(9 Pt 1):1024–8

Cerebellar corticovestibular projections from lobule IX to the descending vestibular nucleus in the cat. A retrograde wheat germ agglutinin-horseradish peroxidase study. Matsushita M, et al. **Neurosci Lett** 1986 May 23;66(3):293–8

[Normal position of the stapes in the oval window niche in man] Kleinfeldt D. **Anat Anz** 1985;159(1–5):187–93 (Eng. Abstr.) (Ger)

BLOOD SUPPLY

Blood flow in the peripheral vestibular system. Angelborg C, et al. **J Otolaryngol** 1985 Feb;14(1):41–3

Changes in caloric nystagmus induced by vasodilating drugs. Baldwin RL, et al. **Laryngoscope** 1986 Apr;96(4):420–9

[The vascular factor in vertigo] Bucur A. **Rev Chir [Otorinolaringol]** 1986 Jan–Mar;31(1):51–63 (11 ref.) (Eng. Abstr.) (Rum)

CYTOLOGY

[Demonstration and localization of synapsin I in vestibular receptors in the cat: immunocytochemical study] Scarfone E, et al. **C R Acad Sci [III]** 1986;302(15):567–72 (Eng. Abstr.) (Fre)

DRUG EFFECTS

Effects of trichloroethylene on the human vestibulo-oculomotor system. Larsby B, et al. **Acta Otolaryngol (Stockh)** 1986 Mar–Apr;101(3–4):193–9

The effect of toluene on the vestibulo- and opto-oculomotor system in rats. A computerized nystagmographic study. Larsby B, et al. **Acta Otolaryngol (Stockh)** 1986 May–Jun; 101(5–6):422–8

Effect of thyrotropin-releasing hormone on vestibular compensation in primates. Ishii M, et al. **Am J Otolaryngol** 1986 May–Jun;7(3):177–80

Aminoglycoside ototoxicity. Matz GJ. **Am J Otolaryngol** 1986 Mar–Apr;7(2):117–9

Gentamicin tympanoclysis: effects on the vestibular secretory cells. Pender DJ. **Am J Otolaryngol** 1985 Sep–Oct; 6(5):358–67

The effect of loop diuretics on the vestibular system. Assessment by recording the vestibular evoked response. Elidan J, et al. **Arch Otolaryngol Head Neck Surg** 1986 Aug;112(8):836–9

Comparative oto-vestibular effects in the pigmented guinea pig after dibekacin and netilmicin treatment. Bamonte F, et al. **Arch Otorhinolaryngol** 1986;243(2):126–32

Barrel rotation evoked by intracerebroventricular vasopressin injections in conscious rats. II. Visual/vestibular interactions and efficacy of antiseizure drugs. Wurpel JN, et al. **Brain Res** 1986 Feb 12;365(1):30–41

Flunarizine, the vestibular system and migraine. Ansink BJ, et al. **Cephalalgia** 1985 Dec;5(4):205–10

Vestibular toxicity following netilmicin therapy in the neonatal period. Hauch AM, et al. **Dan Med Bull** 1986 Apr;33(2):107–9

Vestibular morphological analysis of the effects of cisplatin vs. platinum analogs, CBDCA (JM-8) and CHIP (JM-9). Schweitzer VG, et al. **Laryngoscope** 1986 Sep;96(9 Pt 1):959–74

Impairment of the chick's grip and balance by streptomycin. A preliminary study. Cohen GM, et al. **ORL J Otorhinolaryngol Relat Spec** 1985;47(5):236–41

EMBRYOLOGY

Early development of vestibular receptors in human embryos. An electron microscopic study. Sans A, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1985;423:51–8

Development of vestibular receptor surfaces in human fetuses. Dechesne CJ, et al. **Am J Otolaryngol** 1985 Sep–Oct;6(5):378–87

ENZYMOLOGY

Onset and development of neuron-specific enolase immunoreactivity in the peripheral vestibular system of the mouse. Dechesne CJ, et al. **Neurosci Lett** 1985 Nov 11; 61(3):299–304

GROWTH & DEVELOPMENT

Postnatal development of vestibular receptor surfaces in the rat. Dechesne C, et al. **Acta Otolaryngol (Stockh)** 1986 Jan–Feb;101(1–2):11–8

INJURIES

Effect of drug therapy on compensation from vestibular injury. Peppard SB. **Laryngoscope** 1986 Aug;96(8):878–98

INNERVATION

Influence of temperature on the sound-evoked vestibular potential. Wit HP, et al. **Acta Otolaryngol (Stockh)** 1985 Nov–Dec;100(5–6):344–50

Projection of secondary vestibular neurons to the abducens nucleus in the carpet shark Cephaloscyllium isabella. Montgomery JC, et al. **Brain Behav Evol** 1985;27(1):41–7

The efferent vestibular neurons in the toad (Bufo bufo L.): their location and morphology. A horseradish peroxidase study. Pellegrini M, et al. **Brain Res** 1985 Sep 30;344(1):1–8

METABOLISM

Comparative uptake of gentamicin, netilmicin, and amikacin in the guinea pig cochlea and vestibule. Dulon D, et al. **Antimicrob Agents Chemother** 1986 Jul;30(1):96–100

Carbohydrates detected by lectins in the vestibular organ. Gil-Loyzaga P, et al. **Hear Res** 1985 Jun;18(3):269–72

PATHOLOGY

Human auditory and vestibular pathology. The European Concerted Action Project. Proceedings of a workshop held in Milan on 4th–5th June 1984. **Acta Otolaryngol [Suppl] (Stockh)** 1985;423:1–96

Cogan's syndrome: 18 cases and a review of the literature. Vollertsen RS, et al. **Mayo Clin Proc** 1986 May; 61(5):344–61

PHYSIOLOGY

Development of the vestibulo-ocular reflex from infancy to adulthood. Ornitz EM, et al. **Acta Otolaryngol (Stockh)** 1985 Sep–Oct;100(3–4):180–93

Factors contributing to variability of caloric test scores. Proctor L, et al. **Acta Otolaryngol (Stockh)** 1985 Sep–Oct; 100(3–4):161–71

Bechterew decompensation. Schwarz DW, et al. **Acta Otolaryngol (Stockh)** 1986 May–Jun;101(5–6):389–94

Active head turning and correlated cerebral potentials. Experimental and clinical aspects. Zangemeister WH, et al. **Acta Otolaryngol (Stockh)** 1986 May–Jun; 101(5–6):403–15

Age-related changes in optokinetic and rotational tests. Stefansson S, et al. **Am J Otol** 1986 May;7(3):193–6

The fasciculus longitudinalis medialis in the lizard Varanus exanthematicus. 2. Vestibular and internuclear components. ten Donkelaar HJ, et al. **Anat Embryol (Berl)** 1985; 172(2):205–15

Vestibular microphonic potentials in pigeons. Wit HP, et al. **Arch Otorhinolaryngol** 1986;243(2):146–50

A stochastic afterhyperpolarization model of repetitive activity in vestibular afferents. Smith CE, et al. **Biol Cybern** 1986;54(1):41–51

Focal increase of blood flow in the cerebral cortex of man during vestibular stimulation. Friberg L, et al. **Brain** 1985 Sep;108 (Pt 3):609–23

Dynamics of adaptive change in vestibulo-ocular reflex direction. II. Sagittal plane rotations. Baker J, et al. **Brain Res** 1986 Apr 16;371(1):166–70

The cervico-ocular reflex in normal subjects and patients with absent vestibular function. Bronstein AM, et al. **Brain Res** 1986 May 14;373(1–2):399–408

Dynamics of adaptive change in vestibulo-ocular reflex direction. I. Rotations in the horizontal plane. Harrison RE, et al. **Brain Res** 1986 Apr 16;371(1):162–5

Changes in gain of the vestibulo-ocular reflex induced by combined visual and vestibular stimulation in goldfish. Schairer JO, et al. **Brain Res** 1986 May 14;373(1–2):164–76

Changes in gain of the vestibulo-ocular reflex induced by sinusoidal visual stimulation in goldfish. Schairer JO, et al. **Brain Res** 1986 May 14;373(1–2):177–81

The effect of visual deprivation on vestibular compensation in the guinea pig. Smith PF, et al. **Brain Res** 1986 Jan 29;364(1):195–8

GABA imbalance in squirrel monkey after unilateral vestibular end-organ ablation. Thompson GC, et al. **Brain Res** 1986 Apr 2;370(1):182–5

Functional organization of the peripheral efferent vestibular system in the frog. Valli P, et al. **Brain Res** 1986 Jan 1; 362(1):92–7

Involvement of the inferior olivary neurons in vestibular compensation. Mameli O, et al. **Brain Res Bull** 1986 May; 16(5):739–43

Analysis of nystagmus response to pseudorandom velocity input. Lessard CS. **Comput Methods Programs Biomed** 1986 Aug;23(1):11–8

Partial restitution of lesion-induced deficits in the horizontal vestibulo-ocular reflex performance measured from the bilateral abducens motor output in frogs. Agosti R, et al. **Exp Brain Res** 1986;61(2):291–302

Effects of posterior parietal lesions (area 7) on VOR in monkeys. Ventre J, et al. **Exp Brain Res** 1986;62(3):654–8

Role of visual and static vestibular influences on dynamic posture control. Diener HC, et al. **Hum Neurobiol** 1986; 5(2):105–13

A universal and inexpensive servomotor for vestibular research. Remmel RS. **IEEE Trans Biomed Eng** 1986 Aug; 33(8):779–83

The monkey vertical vestibulooocular response: a frequency domain study. Correia MJ, et al. **J Neurophysiol** 1985 Sep; 54(3):532–48

Spatial organization of neck and vestibular reflexes acting on the forelimbs of the decerebrate cat. Wilson VJ, et al. **J Neurophysiol** 1986 Mar;55(3):514–26

Vestibular signals carried by pathways subserving plasticity of the vestibulo-ocular reflex in monkeys. Lisberger SG, et al. **J Neurosci** 1986 Feb;6(2):346–54

Lesions in the cat prepositus complex: effects on the optokinetic system. Cheron G, et al. **J Physiol (Lond)** 1986 Mar;372:95–111

Lesions in the cat prepositus complex: effects on the vestibulo-ocular reflex and saccades. Cheron G, et al. **J Physiol (Lond)** 1986 Mar;372:75–94

Vestibular control of neck muscles in acute and chronic hemilabyrinthectomized cats. Dutia MB. **J Physiol (Lond)** 1985 Sep;366:281–90

The vestibulo-ocular reflex during human saccadic eye movements. Laurutis VP, et al. **J Physiol (Lond)** 1986 Apr; 373:209–33

Vestibular compensation without brainstem commissures in the guinea pig. Smith PF, et al. **Neurosci Lett** 1986 Apr 11;65(2):209–13

Role of the primate flocculus in adaptation of the vestibulo-ocular reflex. Watanabe E. **Neurosci Res** 1985 Oct;3(1):20–38

Passive and active deflections of ampullary kinocilia correlated with changes in transepithelial voltage. Rüsch A, et al. **ORL J Otorhinolaryngol Relat Spec** 1986; 48(2):76–80

Smooth pursuit eye movements. Eckmiller R, et al. **Prog Brain Res** 1986;64:313–23

Recovery of some vestibuloocular and vestibulospinal functions following unilateral labyrinthectomy. Precht W. **Prog Brain Res** 1986;64:381–9 (30 ref.)

Optokinetic response and visual suppression of the vestibulo-ocular reflex in the open loop condition in the cat. Magnin M, et al. **Vision Res** 1986;26(4):653–60

[The present state of knowledge about the physiology of the oculovestibular system and its disorders] Krejčová H, et al. **Cesk Neurol Neurochir** 1986 May;49(3):125–32 **(Cze)**

[Spinal axon collaterals of vestibulo-spinal tract neurons identified by intracellular injection of horseradish peroxidase (HRP)] Ohgaki T. **Nippon Jibiinkoka Gakkai Kaiho** 1986 May;89(5):580–94 (Eng. Abstr.) **(Jpn)**

[Facilitating effect of voluntary movements on the vestibulomotor reaction] Smetanin BN, et al. **Fiziol Cheloveka** 1986 Jan–Feb;12(1):133–40 **(Rus)**

[Interaction of thermoreceptive and vestibular signalling in regulating the activity of flexor and extensor motor nuclei during cold tremor] Lupandin IuV, et al. **Fiziol Zh SSSR** 1985 Nov;71(11):1433–8 (Eng. Abstr.) **(Rus)**

[Vestibular function of middle-aged persons exposed to 30-day head-down tilt hypokinesia] Gavrilin VK, et al. **Kosm Biol Aviakosm Med** 1985 Nov–Dec;19(6):15–20 (Eng. Abstr.) **(Rus)**

[Occupational work capacity and functional status of an operator during repeated exposure to optokinetic and antiorthostatic forces] Kornilova LN, et al. **Kosm Biol Aviakosm Med** 1986 Mar–Apr;20(2):35–8 (Eng. Abstr.) **(Rus)**

[Illusions of one's position in space of vestibular origin in atmospheric flight] Lapaev EV, et al. **Kosm Biol Aviakosm Med** 1985 Nov–Dec;19(6):11–5 (Eng. Abstr.) **(Rus)**

[Changes in the locomotor activity of muscles of the forelimb of the guinea pig during translation of the animal with respect to the longitudinal axis] Marlinskiĭ VV, et al. **Neirofiziologiia** 1986;18(3):409–12 (Eng. Abstr.) **(Rus)**

[Function of the vestibular analyzer in persons of various ages] Luchikhin LA, et al. **Vestn Otorinolaringol** 1986 May–Jun;(3):79–83 (76 ref.) **(Rus)**

[Age-related parameters of vestibulosomatic reactions in healthy persons from data of the rotatory test] Patrin AF. **Vestn Otorinolaringol** 1986 Mar–Apr;(2):20–4 (Eng. Abstr.) **(Rus)**

[Phenomenon of directional predominance in experimental nystagmus with adequate and inadequate stimulation of the vestibular apparatus] Levashov MM, et al. **Zh Evol Biokhim Fiziol** 1985 Sep–Oct;21(5):504–10 **(Rus)**

PHYSIOPATHOLOGY

The vestibular functions of the manganese-deficient rat. Huygen PL, et al. **Acta Otolaryngol (Stockh)** 1986 Jan–Feb; 101(1–2):19–26

Postoperative vestibular dysfunction following head and neck surgery. Johnson JT, et al. **Acta Otolaryngol (Stockh)** 1985 Sep–Oct;100(3–4):316–20

The relationship of optokinetic nystagmus to pursuit eye movements, vestibular nystagmus and to saccades in humans. A clinical study. Magnusson M, et al. **Acta Otolaryngol (Stockh)** 1986 May–Jun;101(5–6):361–70

Quantitative analysis of vestibular response in cerebello–pontine angle tumors. Arslan E, et al. **Acta Otorhinolaryngol Belg** 1985;39(6):946–54

Internal auditory canal vascular loops: audiometric and vestibular system findings. Applebaum EL, et al. **Am J Otol** 1985 Nov;Suppl:110–3

Vestibulospinal function assessment by moving platform posturography. Black FO. **Am J Otol** 1985 Nov; Suppl:39–46

Electronystagmography and vestibulology: past, present, and future [editorial] Hart CW. **Am J Otol** 1985 Nov;6(6):512–3

Vestibulo-ocular reflexes in peripheral labyrinthine lesions: III. Bilateral dysfunction. Honrubia V, et al. **Am J Otolaryngol** 1985 Sep–Oct;6(5):342–52

Lateropulsion and upbeat nystagmus are manifestations of central vestibular dysfunction. Benjamin EE, et al. **Arch Neurol** 1986 Sep;43(9):962–4

Eye movements induced by lateral tilt and testing of otolithic function. Shirabe S, et al. **Arch Otorhinolaryngol** 1986; 243(3):153–7

Scopolamine effects in vestibular defensiveness. Childs A. **Arch Phys Med Rehabil** 1986 Aug;67(8):554–5

Vestibular hyperreactivity and hyperventilation. Theunissen EJ, et al. **Clin Otolaryngol** 1986 Jun;11(3):161–9

Electronystagmography in peripheral lesions. McGee ML. **Ear Hear** 1986 Jun;7(3):167–75 (43 ref.)

Adaptation of the vestibulo-ocular reflex in amblyopia. Westall CA, et al. **Invest Ophthalmol Vis Sci** 1985 Dec; 26(12):1724–30

Vestibular response in denatured rape oil intoxication. Gavilán C, et al. **J Laryngol Otol** 1985 Oct;99(10):973–7

Possible implication of an efferent neuropathy in vestibular upset. Prescott CA. **J Laryngol Otol** 1986 Jul;100(7):769–74

Permanency of gait improvement induced by vestibular stimulation in the mutant mouse staggerer. Guastavino JM, et al. **J Neurogenet** 1985 Sep;2(4):273–83

Vestibular involvement in spasmodic torticollis. Bronstein AM, et al. **J Neurol Neurosurg Psychiatry** 1986 Mar; 49(3):290–5

The influence of physostigmine on visual–vestibular interaction in hereditary ataxias. Tijssen CC, et al. **J Neurol Neurosurg Psychiatry** 1985 Oct;48(10):977–81

Abnormal eye–head coordination in Parkinson's disease patients after administration of levodopa: a possible substrate of levodopa-induced dyskinesia. Weinrich M, et al. **J Neurol Neurosurg Psychiatry** 1986 Jul;49(7):785–90

Spatial and temporal response properties of the vestibulocollic reflex in decerebrate cats. Baker J, et al. **J Neurophysiol** 1985 Sep;54(3):735–56

Machado-Joseph disease: the vestibular presentation. Mallinson AI, et al. **J Otolaryngol** 1986 Jun;15(3):184–8

Vestibulo-ocular reflex abnormality in Behçet's disease. Sugasawa J, et al. **Jpn J Ophthalmol** 1986;30(1):91–9

[The effect of electroacupuncture on the vestibular compensation in the guinea pig] Hu SQ, et al. **Chen Tzu Yen Chiu** 1985;10(1):21–3 (Eng. Abstr.) **(Chi)**

[Posturography in peripheral vestibular pathology. Its contribution in the functional diagnosis and rehabilitation therapy] Norré ME, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(7):503–9 (Eng. Abstr.) **(Fre)**

[Cochleovestibular data in amyotrophic lateral sclerosis (Van Laere's form)] Atherino Tavares CC, et al. **Rev Laryngol Otol Rhinol (Bord)** 1985;106(5):375–8 (Eng. Abstr.) **(Fre)**

[Suprathreshold alternating vestibular stimuli in orbiting spacecrafts] Mark H, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Nov;64(11):588–9 (Eng. Abstr.) **(Ger)**

[Behavior of the vestibulo-oculomotor reflex in the course of nomifensine test. Preliminary findings in normal and headache patients] Guidetti G, et al. **Acta Otorhinolaryngol Ital** 1985 May–Jun;5(3):259–67 (Eng. Abstr.) **(Ita)**

[Abnormal visuovestibular interaction in congenital jerky nystagmus] Arikado T, et al. **Nippon Ganka Gakkai Zasshi** 1986 Jan;90(1):104–8 (Eng. Abstr.) **(Jpn)**

[Vestibulo-ocular reflex and gaze stabilizing function] Takahashi M, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Jan;89(1):33–9 (Eng. Abstr.) **(Jpn)**

[Relation between the asymmetry of optokinetic nystagmus and optovestibular and vestibulo-autonomic stability] Grigorova VK. **Kosm Biol Aviakosm Med** 1986 May–Jun; 20(3):43–5 (Eng. Abstr.) **(Rus)**

[Significance of vestibular recruitment and directional predominance of nystagmus in diagnostic examinations] Levashov MM. **Kosm Biol Aviakosm Med** 1985 Sep–Oct; 19(5):78–81 **(Rus)**

[Changes in the physical condition, vestibular function and bone system in rats exposed to long-term rotation] Shipov AA, et al. **Kosm Biol Aviakosm Med** 1985 Sep–Oct; 19(5):46–53 (Eng. Abstr.) **(Rus)**

[Vestibular syndrome in diencephalic–hypothalamic damage in patients with tick-borne encephalitis] Chernykh VG. **Vestn Otorinolaringol** 1985 Sep–Oct;(5):30–3 (Eng. Abstr.) **(Rus)**

[Nystagmometry in the evaluation of vestibular function in patients with tympanosclerosis] Kofanov RV. **Vestn Otorinolaringol** 1985 Sep–Oct;(5):18–21 (Eng. Abstr.) **(Rus)**

[Diagnostic possibilities of traditional and modified methods of the rotatory test in otiatric practice] Kriukov AI, et al. **Vestn Otorinolaringol** 1985 Jul–Aug;(4):11–2 **(Rus)**

[Diagnostic informative value of various indicators of rotatory nystagmus] Kupriashkin EA, et al. **Vestn Otorinolaringol** 1985 Jul–Aug;(4):17–9 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the effectiveness of vestibular, optokinetic and optovestibular stimulation in the experimental model of motion sickness] Matsner EI, et al. **Vestn Otorinolaringol** 1986 Jan–Feb;(1):10–7 (Eng. Abstr.) **(Rus)**

[A method of conducting a caloric test in patients with chronic suppurative otitis media] Merkushin AP. **Vestn Otorinolaringol** 1985 Sep–Oct;(5):25–7 (Eng. Abstr.) **(Rus)**

[Nystagmic component of vestibular reactions in the diagnosis of pathology of the vestibular analyzer] Petrova EI, et al. **Vestn Otorinolaringol** 1986 Jul–Aug;(4):27–31 (Eng. Abstr.) **(Rus)**

[Detection of subclinical signs of vestibular dysfunction] Skliut IA, et al. **Vestn Otorinolaringol** 1986 Jul–Aug; (4):31–4 (Eng. Abstr.) **(Rus)**

[Electronystagmographic characteristics of peripheral vestibular asymmetries (decompensation stage)] Skliut IA, et al. **Vestn Otorinolaringol** 1986 Jan–Feb;(1):17–22 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

The large vestibular aqueduct syndrome. Emmett JR. **Am J Otol** 1985 Sep;6(5):387–415

The vestibular aqueduct syndrome: computed tomographic appearance. Swartz JD, et al. **Clin Radiol** 1985 May; 36(3):241–3

Oral and peripheral vestibular signs in a cat with squamous cell carcinoma. Fiorito DA. **J Am Vet Med Assoc** 1986 Jan 1;188(1):71–2

SURGERY

Transmastoid labyrinthectomy. Benecke JE Jr, et al. **Am J Otol** 1986 Jan;7(1):41–3

ULTRASTRUCTURE

Stereo-kinociliar bonds in mammalian vestibular organs. Ernstson S, et al. **Acta Otolaryngol (Stockh)** 1986 May–Jun; 101(5–6):395–402

The vestibular stereovillus membrane: an illustration of the 'greater membrane' concept. Neugebauer DC. **ORL J Otorhinolaryngol Relat Spec** 1986;48(2):87–92

[Ultrastructural changes in the receptor portion of the vestibular apparatus in response to noise] Anichin VF, et al. **Arkh Anat Gistol Embriol** 1985 Oct;89(10):29–35 (Eng. Abstr.) **(Rus)**

[Effect of ultrasonics on internal ear receptors in chronic suppurative otitis media] Anichin VF, et al. **Vestn Otorinolaringol** 1986 Mar–Apr;(2):8–13 (Eng. Abstr.) **(Rus)**

VESTIBULAR AQUEDUCT see under **VESTIBULAR APPARATUS**

VESTIBULAR FUNCTION TESTS

Caloric responses after horizontal canal inactivation. Paige GD. **Acta Otolaryngol (Stockh)** 1985 Nov–Dec; 100(5–6):321–7

Factors contributing to variability of caloric test scores. Proctor L, et al. **Acta Otolaryngol (Stockh)** 1985 Sep–Oct; 100(3–4):161–71

Reference values for serial vestibular testing. Proctor L, et al. **Ann Otol Rhinol Laryngol** 1986 Jan–Feb;95(1 Pt 1):83–90

Language and learning skills of hearing-impaired students. Vestibular evaluation. Cyr DG, et al. **ASHA Monogr** 1986 Mar;(23):21–3

On the vertical caloric nystagmus. Elidan J, et al. **J Otolaryngol** 1985 Oct;14(5):287–92

Square wave jerks—incidence, characteristic, and significance. Elidan J, et al. **J Otolaryngol** 1984 Dec; 13(6):375–81 (22 ref.)

Changes in caloric nystagmus induced by vasodilating drugs. Baldwin RL, et al. **Laryngoscope** 1986 Apr;96(4):420–9

Diagnostic value of velocity-step responses. Huygen PL, et al. **ORL J Otorhinolaryngol Relat Spec** 1985;47(5):249–61

Vestibulospinal function in otoneurology. Norré ME, et al. **ORL J Otorhinolaryngol Relat Spec** 1986;48(1):37–44

Results of sinusoidal harmonic acceleration test in one thousand patients: preliminary report. Hamid MA, et al. **Otolaryngol Head Neck Surg** 1986 Jan;94(1):1–5

[Comparative studies of the results of caloric vestibular tests and classical torsion swing tests] Ghilardi PL, et al. **Acta Otorhinolaryngol Belg** 1985;39(6):961–71 (Eng. Abstr.)

(Fre)

[Critical remarks on the interpretation of the thermal reaction of the labyrinth to weightlessness and evidence for the validity of the extended Bárány theory] Grohmann R. **HNO** 1986 Jan;34(1):40–5 (Eng. Abstr.) (Ger)

[Caloric evaluation of the vestibular organ in the child—an electronystagmography study for determining age dependence of the vestibulo-ocular response] Muckelbauer W, et al. **HNO** 1986 Jan;34(1):32–9 (Eng. Abstr.) (Ger)

INSTRUMENTATION

[Significance of the Bárány convection hypothesis for thermal nystagmus. Quantitative comparison of the intensity of thermal nystagmus in supine and prone position] Müller-Deile J, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Mar;65(3):154–7 (Eng. Abstr.) (Ger)

METHODS

Human optokinetic afternystagmus. Stimulus velocity dependence of the two-component decay model and involvement of pursuit. Lafortune S, et al. **Acta Otolaryngol (Stockh)** 1986 Mar-Apr;101(3–4):183–92

A comparative cranio-corpography study on the findings in the Romberg standing test versus the Unterberger/Fukuda stepping test in vertigo patients. Ben-David J, et al. **Acta Otorhinolaryngol Belg** 1985; 39(6):924–32

Vestibular responses to different caloric stimulus intensities. Parker W, et al. **Am J Otol** 1985 Sep;6(5):378–86

CSWO, not COWS, in the unresponsive patient [letter] Huff JS. **Ann Emerg Med** 1986 Aug;15(8):981–2

Single sinusoids compared with a multiple-sinusoids technique for evaluating horizontal semicircular canal function. Wolfe JW, et al. **Aviat Space Environ Med** 1986 Jul;57(7):667–70

Torsion swing chair. Clark KF. **Ear Hear** 1986 Jun;7(3):191–7

Computed sinusoidal harmonic acceleration. Hirsch BE. **Ear Hear** 1986 Jun;7(3):198–203

Extended caloric tests. Wetmore SJ. **Ear Hear** 1986 Jun; 7(3):186–90

Mental alerting and the Kobrak caloric test. Uri N, et al. **Ear Nose Throat J** 1986 Jun;65(6):261–3

Experiences with the butterfly chart. Kirtane MV, et al. **J Laryngol Otol** 1986 Feb;100(2):157–64

Vestibular evaluation of infants and preschool children. Cyr DG, et al. **Otolaryngol Head Neck Surg** 1985 Aug; 93(4):463–8

[Comparative studies of the results of caloric vestibular tests and classical torsion swing tests] Ghilardi PL, et al. **Acta Otorhinolaryngol Belg** 1985;39(6):961–71 (Eng. Abstr.) (Fre)

[Posturography in peripheral vestibular pathology. Its contribution in the functional diagnosis and rehabilitation therapy] Norré ME, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(7):503–9 (Eng. Abstr.) (Fre)

[Posturographic and otoneurological recording: outline of new symptomatology based on the study of the vestibulospinal reflex] Hadj-Djilani A. **Rev Med Suisse Romande** 1986 Apr;106(4):277–88 (Fre)

[Frequent errors in neuro-otologic diagnosis] Holtmann S, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Nov;64(11):595–8 (Eng. Abstr.) (Ger)

[Effect of stabilization of the visual field on rotatory testing] Krausen C, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Mar; 65(3):151–3 (Eng. Abstr.) (Ger)

[Posturography in the principle of vestibular diagnosis, interpretation and clinical results] Stoll W. **Laryngol Rhinol Otol (Stuttg)** 1985 Nov;64(11):590–4 (Eng. Abstr.) (Ger)

[A method of conducting a caloric test in patients with chronic suppurative otitis media] Merkushin AP. **Vestn Otorinolaringol** 1985 Sep-Oct;(5):25–7 (Eng. Abstr.) (Rus)

[Possibilities for using the sinusoidal test with children] Mostovaia TS. **Vestn Otorinolaringol** 1986 May-Jun; (3):39–42 (Eng. Abstr.) (Rus)

VESTIBULAR NERVE

Velocity and asymmetry of optokinetic nystagmus in the evaluation of vestibular lesions. Magnusson M, et al. **Acta Otolaryngol (Stockh)** 1986 Jul-Aug;102(1–2):65–74

Frequency analysis of body sway in the upright posture. Statistical study in cases of peripheral vestibular disease. Yoneda S, et al. **Acta Otolaryngol (Stockh)** 1986 Jul-Aug; 102(1–2):87–92

Vestibular neuronitis: the experience at Harare Central Hospital, Zimbabwe: case report. Kiire CF. **East Afr Med J** 1985 Sep;62(9):677–8

Review of idiopathic feline vestibular syndrome in 75 cats. Burke EE, et al. **J Am Vet Med Assoc** 1985 Nov 1; 187(9):941–3

New clinical finding in vestibular neuritis: high-frequency audiometry hearing loss in the affected ear. Rahko T, et al. **Laryngoscope** 1986 Feb;96(2):198–9

ANATOMY & HISTOLOGY

The cochleo-vestibular nerve (eighth cranial nerve). Offeciers FE. **Acta Otorhinolaryngol Belg** 1986; 40(1):187–206

Histologic study of the vestibulocochlear nerve. Schefter RP, et al. **Ann Otol Rhinol Laryngol** 1986 Mar-Apr;95(2 Pt 1):146–50

The efferent vestibular neurons in the toad (Bufo bufo L.): their location and morphology. A horseradish peroxidase study. Pellegrini M, et al. **Brain Res** 1985 Sep 30;344(1):1–8

Organization of the efferent vestibular nuclei and nerves of the toadfish, Opsanus tau. Highstein SM, et al. **J Comp Neurol** 1986 Jan 15;243(3):309–25

The vestibuloocular reflex of the adult flatfish. II. Vestibulooculomotor connectivity. Graf W, et al. **J Neurophysiol** 1985 Oct;54(4):900–16

CYTOLOGY

[Age-related characteristics of structural organization of the vestibular analyzer] Patrin AF, et al. **Vestn Otorinolaringol** 1985 Sep-Oct;(5):71–4 (96 ref.) (Rus)

DRUG EFFECTS

Computer analysis of vestibular responses to putative neurotransmitters. Quine DB, et al. **J Neurosci Methods** 1985 Sep;14(4):241–6

EMBRYOLOGY

Determinants of neurons-sensory receptor cell interaction during development of the inner ear. Van De Water TR. **Hear Res** 1986;22:265–77

ENZYMOLOGY

Onset and development of neuron-specific enolase immunoreactivity in the peripheral vestibular system of the mouse. Dechesne CJ, et al. **Neurosci Lett** 1985 Nov 11; 61(3):299–304

GROWTH & DEVELOPMENT

Effects of hypothyroidism on postnatal development in the peripheral vestibular system. Dememes D, et al. **Brain Res** 1986 Feb;390(1):147–52

In vitro electrophysiological study of spontaneous activity in neonatal mouse vestibular ganglion neurons during development. Desmadryl G, et al. **Brain Res** 1986 Feb; 390(1):133–6

Microtubule organization and synaptogenesis in the vestibular sensory cells. Favre D, et al. **Brain Res** 1986 Feb; 390(1):137–42

IMMUNOLOGY

Vestibular neuronitis—serum and CSF virus antibody titer. Matsuo T. **Auris Nasus Larynx** 1986;13(1):11–34

METABOLISM

Transneuronal transport in the vestibular and auditory systems of the squirrel monkey and the arctic ground squirrel. I. Vestibular system. Carpenter MB, et al. **Brain Res** 1985 Dec 9;358(1–2):249–63

Immunocytochemical detection of vitamin D-dependent calcium-binding protein (CaBP-28K) in vestibular sensory hair cells and vestibular ganglion neurones of the cat. Sans A, et al. **Brain Res** 1986 Jan 29;364(1):190–4

PHYSIOLOGY

The vestibular cortical projection during spinal decompensation. Azzena GB, et al. **Arch Ital Biol** 1986 Feb;124(1):15–26

Correspondences between afferent innervation patterns and response dynamics in the bullfrog utricle and lagena. Baird RA, et al. **Brain Res** 1986 Mar 26;369(1–2):48–64

Canal-neck interaction in vestibular neurons of the cat's cerebral cortex. Mergner T, et al. **Exp Brain Res** 1985; 61(1):94–108

Purkinje cell activity in the flocculus of vestibular neurectomized and normal monkeys during optokinetic nystagmus (OKN) and smooth pursuit eye movements. Waespe W, et al. **Exp Brain Res** 1985;60(2):243–62

Optokinetic nystagmus (OKN) and optokinetic after-responses after bilateral vestibular neurectomy in the monkey. Waespe W, et al. **Exp Brain Res** 1985;60(2):263–9

An experimental study on the frog semicircular canal—functions of cupula and vestibular ganglion. Suzuki M, et al. **J Otolaryngol** 1985 Feb;14(1):36–40

Trophic interactions between the cochleovestibular ganglion of the chick embryo and its synaptic targets in culture. Ard MD, et al. **Neuroscience** 1985 Sep;16(1):151–70

PHYSIOPATHOLOGY

Possible implication of an efferent neuropathy in vestibular upset. Prescott CA. **J Laryngol Otol** 1986 Jul;100(7):769–74

Neurotologic evidence of central and peripheral involvement in patients with vestibular neuronitis. Corvera J, et al. **Otolaryngol Head Neck Surg** 1985 Aug;93(4):524–8

SURGERY

Myasthenia gravis: onset following neurotologic surgery. Beauchamp ML, et al. **Am J Otol** 1986 Jul;7(4):302–4

Retrolabyrinthine vestibular neurectomy with and without monitoring of eighth nerve potentials. McDaniel AB, et al. **Am J Otol** 1985 Nov;Suppl:23–6

Vestibular nerve section and saccus decompression: an evaluation of long-term results. Primrose WJ, et al. **J Laryngol Otol** 1986 Jul;100(7):775–84

Retrolabyrinthine vestibular nerve section: analysis of results. Kemink JL, et al. **Laryngoscope** 1986 Jan;96(1):33–6

Middle fossa surgery. Report of 153 cases. Miyamoto RT, et al. **Otolaryngol Head Neck Surg** 1985 Aug;93(4):529–35

Microsurgical instruments and nerve stimulator—monitor for retrolabyrinthine vestibular neurectomy. Silverstein H. **Otolaryngol Head Neck Surg** 1986 Mar;94(3):409–11

Retrolabyrinthine vestibular neurectomy with simultaneous monitoring of eighth nerve and brain stem auditory evoked potentials. Silverstein H, et al. **Otolaryngol Head Neck Surg** 1985 Dec;93(6):736–42

Operations on the saccus endolymphaticus and vestibular nerve: have they fulfilled their promise? Smyth GD, et al. **Otolaryngol Head Neck Surg** 1986 Jun;94(5):594–600

[Vestibular neurectomy in Ménière's disease. Results and comments apropos of 77 cases] Cannoni M, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(8):551–60 (Eng. Abstr.) (Fre)

ULTRASTRUCTURE

[Ultrastructural changes in the receptor portion of the vestibular apparatus in response to noise] Anichin VF, et al. **Arkh Anat Gistol Embriol** 1985 Oct;89(10):29–35 (Eng. Abstr.) (Rus)

[Structure and origin of axonal terminals innervating neurons of the vestibular ganglia] Kuleshova TF. **Arkh Anat Gistol Embriol** 1985 Nov;89(11):41–6 (Eng. Abstr.) (Rus)

VESTIBULAR NUCLEI

ANATOMY & HISTOLOGY

Distribution of the secondary vestibular fibers in the cerebellar cortex. An autoradiographic study in the cat. Magras IN, et al. **Acta Anat (Basel)** 1985;123(1):51–7

The vestibulothalamic connections in the rat: a morphological analysis using wheat germ agglutinin–horseradish peroxidase. Nagata S. **Brain Res** 1986 Jun 18;376(1):57–70

The efferent vestibular neurons in the toad (Bufo bufo L.): their location and morphology. A horseradish peroxidase study. Pellegrini M, et al. **Brain Res** 1985 Sep 30;344(1):1–8

Organization of the efferent vestibular nuclei and nerves of the toadfish, Opsanus tau. Highstein SM, et al. **J Comp Neurol** 1986 Jan 15;243(3):309–25

The cerebellar and vestibular nuclear complexes in the turtle. II. Projections to the prosencephalon. Künzle H. **J Comp Neurol** 1985 Dec 1;242(1):122–33

The cerebellar and vestibular nuclear complexes in the turtle. I. Projections to mesencephalon, rhombencephalon, and spinal cord. Künzle H. **J Comp Neurol** 1985 Dec 1; 242(1):102–21

Central projections of primary vestibular fibers in the bullfrog. III. The anterior semicircular canal afferents. Honrubia V, et al. **Laryngoscope** 1985 Dec;95(12):1526–35

Central projections of primary vestibular fibers in the bullfrog. II. Nerve branches from individual receptors. Suarez C, et al. **Laryngoscope** 1985 Oct;95(10):1238–50

Projections of the group y of the vestibular nuclei and the dentate and fastigial nuclei of the cerebellum to the interstitial nucleus of Cajal. Fukushima K, et al. **Neurosci Res** 1986 May;3(4):285–99

CYTOLOGY

Morphology of vertical canal related second order vestibular neurons in the cat. Graf W, et al. **Exp Brain Res** 1986; 63(1):35–48

The morphology of single lateral vestibulospinal tract axons in the lower cervical spinal cord of the cat. Shinoda Y, et al. **J Comp Neurol** 1986 Jul 8;249(2):226–41

Cytochemical variations in Purkinje neuron nuclei of cerebellar areas with different afferent systems in Rana esculenta. Comparison between activity and hibernation. Bernocchi G. **J Hirnforsch** 1985;26(6):659–65

DRUG EFFECTS

Effects of eperisone applied by microiontophoresis on neurons in the medial and lateral vestibular nuclei. Noma S, et al. **Jpn J Pharmacol** 1986 Feb;40(2):283–90

ENZYMOLOGY

The effect of selective lesions on vestibular nuclear complex choline acetyltransferase activity in the rat. Burke RE, et al. **Brain Res** 1985 Dec 23;360(1–2):172–82

METABOLISM

Transneuronal transport in the vestibular and auditory systems of the squirrel monkey and the arctic ground squirrel. I. Vestibular system. Carpenter MB, et al. **Brain Res** 1985 Dec 9;358(1–2):249–63

GABA imbalance in squirrel monkey after unilateral vestibular end-organ ablation. Thompson GC, et al. **Brain Res** 1986 Apr 2;370(1):182–5

Ontogeny of visinin-like immunoreactive structures in the rat cerebellum and vestibular nuclei: an immunohistochemical analysis. Yoshida S, et al.

Brain Res 1985 Oct;354(2):247–53
Asymmetric diffusion into the postsynaptic neuron: an extremely efficient mechanism for removing excess GABA from synaptic clefts on the Deiters' neurone plasma membrane. Hyden H, et al. **Neurochem Res** 1986 May; 11(5):695–706

PHYSIOLOGY

The fasciculus longitudinalis medialis in the lizard Varanus exanthematicus. 2. Vestibular and internuclear components. ten Donkelaar HJ, et al. **Anat Embryol (Berl)** 1985; 172(2):205–15
Effects of passive flexion of the forepaw on the response gain of limb extensors to sinusoidal stimulation of labyrinth receptors. d'Ascanio P, et al. **Arch Ital Biol** 1985 Jul; 123(3):195–221
Cortical control of oculomotor functions. II. Vestibulo-ocular reflex and visual-vestibular interaction. Ventre J. **Behav Brain Res** 1985 Oct;17(3):221–34
Disruption of central cholinergic systems in the rat by basal forebrain lesions or atropine: effects on feeding, sensorimotor behaviour, locomotor activity and spatial navigation. Whishaw IQ, et al. **Behav Brain Res** 1985 Sep–Oct;17(2):103–15
Influence of stimulation of the visual system on the activity of vestibular nuclear neurons in the frog. Caston J, et al. **Behav Brain Evol** 1985;26(1):49–57
Effect of tilt on the response of neuronal activity within the cat vestibular nuclei during slow and constant velocity rotation. Chan YS, et al. **Brain Res** 1985 Oct 21; 345(2):271–8
Commissural and ipsilateral internuclear connection of vestibular nuclear complex of the cat. Ito J, et al. **Brain Res** 1985 Aug 19;341(1):73–81
Evidence for an alteration in brainstem cholinergic pathways following unilateral labyrinthectomy in the frog. Kasik P, et al. **Brain Res** 1986 Jan 15;363(1):188–91
The neuronal pathway from the flocculus to the oculomotor nucleus: an electrophysiological study of group y nucleus in cats. Yamamoto F, et al. **Brain Res** 1986 Apr 23; 371(2):350–4
Generation of cortical event-related slow potentials in the rat involves nucleus basalis cholinergic innervation. Pirch JH, et al. **Electroencephalogr Clin Neurophysiol** 1986 May; 63(5):464–75
Long-term potentiation in the interpositus and vestibular nuclei in the rat. Racine RJ, et al. **Exp Brain Res** 1986; 63(1):158–62
Direct projection of type II vestibular neurons to eye movement-related pause neurons in the cat pontine reticular formation. Ito J, et al. **Exp Neurol** 1986 Feb; 91(2):331–42
Influence of standing on vestibular neuronal activity in awake cats. Kasper J, et al. **Exp Neurol** 1986 Apr;92(1):37–47
A new approach to understanding adaptive visual-vestibular interactions in the central nervous system. Galiana HL. **J Neurophysiol** 1986 Feb;55(2):349–74
Two groups of secondary vestibular neurons mediating horizontal canal signals, probably to the ipsilateral medial rectus muscle, under inhibitory influences from the cerebellar flocculus in rabbits. Kawaguchi Y. **Neurosci Res** 1985 Aug;2(6):434–46
Neuronal mechanisms of the interaction of Deiters' nucleus with some brainstem structures. Sarkisian VA, et al. **Neuroscience** 1985 Dec;16(4):957–68
The effects of real and simulated microgravity on vestibulo-oculomotor interaction. Kozlovskaya IB, et al. **Physiologist** 1985 Dec;28(6 Suppl):S51–6
Cat vestibular nuclear neuron responses to active head rotations. Robinson F, et al. **Physiologist** 1985 Dec;28(6 Suppl):S147–8
[Central organization of circling and rolling behaviors induced by vestibular lesions] Matsuoka S. **Fukuoka Igaku Zasshi** 1986 May;77(5):264–78 (Eng. Abstr.) **(Jpn)**
[An electrophysiological study on a neural pathway from the cerebellar flocculus to the oculomotor nucleus via the group y nucleus of the vestibular nuclei in cats] Yamamoto F. **Nippon Ganka Gakkai Zasshi** 1986 May;90(5):671–80 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

High thresholds for movement perception in schizophrenia may indicate abnormal extraneous noise levels of central vestibular activity. Wertheim AH, et al. **Biol Psychiatry** 1985 Nov;20(11):1197–210
Afferent influences on brain stem auditory nuclei of the chicken: effects of conductive and sensorineural hearing loss on n. magnocellularis. Tucci DL, et al. **J Comp Neurol** 1985 Aug 22;238(4):371–81
Central compensation of vestibular deficits. III. Response characteristics of lateral vestibular neurons to roll tilt after contralateral labyrinth deafferentation. Lacour M, et al. **J Neurophysiol** 1985 Oct;54(4):988–1005
Central compensation of vestibular deficits. IV. Responses of lateral vestibular neurons to neck rotation after labyrinth deafferentation. Xerri C, et al. **J Neurophysiol** 1985 Oct; 54(4):1006–25

VESTIBULOPLASTY

Augmentation with hydroxylapatite and vestibuloplasty in the atrophic maxilla with a flabby ridge. Härle F. **J Maxillofac Surg** 1985 Oct;13(5):209–12

ADVERSE EFFECTS

Development of exostoses following skin graft vestibuloplasty: report of a case. Siegel WM, et al. **J Oral Maxillofac Surg** 1986 Jun;44(6):483–4

METHODS

Experimental use of fibrin sealant for skin graft fixation in mandibular vestibuloplasty. Gregory EW, et al. **J Oral Maxillofac Surg** 1986 Mar;44(3):171–6
Combined hydroxylapatite augmentation and lip-switch vestibuloplasty in the mandible. Jensen OT. **Oral Surg Oral Med Oral Pathol** 1985 Oct;60(4):349–55
Surgical and prosthetic treatment of the atrophic mandible. Kotiranta J, et al. **Scand J Dent Res** 1986 Apr;94(2):146–53
[The Edlari/Mejchar surgical method and its modifications] Mieler I, et al. **Zahn Mund Kieferheilkd** 1986;74(3):249–58 (Eng. Abstr.) **(Ger)**

VETERANS

Protozoan parasites in Canadian Far East War Veterans. Proctor EM, et al. **Can J Public Health** 1986 Jan–Feb; 77(1):55–6
Strongyloidiasis in Canadian Far East war veterans. Proctor EM, et al. **Can Med Assoc J** 1985 Nov 1;133(9):876–8
Health care for veterans: the limits of obligation. Levinsky NG. **Hastings Cent Rep** 1986 Aug;16(4):10–5
Once a soldier, always a dependent. Sommers CH. **Hastings Cent Rep** 1986 Aug;16(4):15–7
Dental health status of an aging VA population: implications for a preventive dental health care program. Morhart RE, et al. **Health Serv Res** 1986 Feb;20(6 Pt 2):933–47
The health care needs of women veterans. Dvoredsky AE, et al. **Hosp Community Psychiatry** 1985 Oct; 36(10):1098–102
Podiatric health planning for the aging veteran. Canter KG. **J Am Podiatr Med Assoc** 1986 Jan;76(1):47–51
Health status of veterans found ineligible for ongoing outpatient care. Meuleman J, et al. **J Community Health** 1985 Summer;10(2):108–14
Problems of veterans spinal cord injured after age 55: nursing implications. Hooker EZ. **J Neurosci Nurs** 1986 Aug; 18(4):188–95
Mortality patterns among U.S. veterans by occupation. I. Cancer. Blair A, et al. **JNCI** 1985 Dec;75(6):1039–47
Veterans' and nonveterans' use of health services. A comparative analysis. Wolinsky FD, et al. **Med Care** 1985 Dec;23(12):1358–71
Mortality among Vietnam veterans compared with non-veterans and the Australian population. Adena MA, et al. **Med J Aust** 1985 Dec 9–23;143(12–13):541–4
Case for diagnosis. AIDS. Macher AM, et al. **Milit Med** 1986 May;151(5):M25–32
Effects of the military draft on mortality [letter] **N Engl J Med** 1986 Aug 14;315(7):453–4
Post-traumatic stress disorder in Vietnam veterans [editorial] Kolb LC. **N Engl J Med** 1986 Mar 6;314(10):641–2
Cancer in male veterans. Postlethwait RW. **NC Med J** 1986 Jan;47(1):12–3
[Clinical manifestations and treatment of ischemic heart disease and hypertension in invalids and participants in World War II 1941–1945] Sidorenko BA, et al. **Klin Med (Mosk)** 1985 May;63(5):64–9 (Eng. Abstr.) **(Rus)**
[Locomotor function of disabled World War II veterans 40 years after their wounds at the front] Grigor'ev MG, et al. **Ortop Travmatol Protez** 1985 Dec;(12):37–40 (Eng. Abstr.) **(Rus)**
[Organization and experience with the treatment of World War II invalids with sequelae of war injuries] Vysotskaia VI. **Ortop Travmatol Protez** 1986 Jan;(1):17–9 **(Rus)**
[Characteristics of the treatment and outpatient care for tuberculosis patients who are World War II disabled and veterans] Pilipchuk NS, et al. **Probl Tuberk** 1985;(8):17–9 (Eng. Abstr.) **(Rus)**
[Characteristics of World War II invalids registered in tuberculosis dispensaries] Rudol NM, et al. **Probl Tuberk** 1985;(9):17–9 (Eng. Abstr.) **(Rus)**
[Treatment of osteoarthrosis deformans in disabled World War II veterans] Kuz'menko VV, et al. **Revmatologiia (Moskva)** 1985 Jul–Sep;(3):33–6 (Eng. Abstr.) **(Rus)**
[Medical services to the disabled and participants in World War II in the Russian Federation] Zinkina MA. **Sov Med** 1985;(5):88–91 **(Rus)**
[Medical provisions for war veterans] Zelinskiĭ AN. **Sov Zdravookhr** 1985;(9):34–7 **(Rus)**

PSYCHOLOGY

Vietnam military service and marijuana use. Ritter C, et al. **Am J Drug Alcohol Abuse** 1985;11(1–2):119–30
The psychological effects of being a prisoner of war: forty years after release. Tennant CC, et al. **Am J Psychiatry** 1986 May;143(5):618–21
The adjustment of hospitalised Vietnam veterans. Streimer J, et al. **Aust NZ J Psychiatry** 1986 Mar;20(1):77–81
The post-Vietnam stress syndrome: some cautions. Colbach ... **Bull Am Acad Psychiatry Law** 1985;13(4):369–72
Posttraumatic stress disorder among black Vietnam veterans. Allen IM. **Hosp Community Psychiatry** 1986 Jan; 37(1):55–61 (55 ref.)
Which veterans go to VA psychiatric hospitals for care: a pilot study. Strauss GD, et al. **Hosp Community Psychiatry** 1985 Sep;36(9):962–5
Psychological services offered to female veterans. Schuler MP, et al. **J Clin Psychol** 1986 Jul;42(4):668–75
Posttraumatic stress disorder among Army Nurse Corps Vietnam veterans. Stretch RH, et al. **J Consult Clin Psychol** 1985 Oct;53(5):704–8
Posttraumatic stress disorder among U.S. Army Reserve Vietnam and Vietnam-era veterans. Stretch RH. **J Consult Clin Psychol** 1985 Dec;53(6):935–6
Post-traumatic stress disorder: a psychiatric defense. Jordan HW, et al. **J Natl Med Assoc** 1986 Feb;78(2):119–26
Invisible veterans. The women who served in Vietnam. McVicker SJ. **J Psychosoc Nurs Ment Health Serv** 1985 Oct;23(10):12–9
Post-traumatic stress disorder (traumatic war neurosis) and concurrent psychiatric illness among Australian Vietnam veterans. A controlled study. Boman B. **J R Army Med Corps** 1985 Oct;131(3):128–31
Survey of alcohol and drug misuse in spinal cord injured veterans. Kirubakaran VR, et al. **J Stud Alcohol** 1986 May; 47(3):223–7
Hospital based treatment of malignant post Vietnam stress syndrome. Rosenheck R. **Psychiatr Q** 1984 Winter; 56(4):259–69
Comparison of scholastic performance in college between veterans with medical and with honorable discharges. Lipschutz D. **Psychol Rep** 1986 Aug;59(1):314
[Avoidance of reserve Army service] Neumann M, et al. **Harefuah** 1986 Feb 16;110(4):203–6 (Eng. Abstr.) **(Heb)**

VETERANS ADMINISTRATION (U.S.) see **UNITED STATES VETERANS ADMINISTRATION**

VETERANS DISABILITY CLAIMS

see related
DISABILITY EVALUATION

[Clinico-roentgenologic examination in expert evaluation of work capacity of World War II veterans with a history of wounds of the limbs] Demin VA, et al. **Klin Med (Mosk)** 1985 Oct;63(10):58–62 **(Rus)**

ECONOMICS

Determination of medical disability [letter] Kumar K, et al. **Ann Intern Med** 1986 Aug;105(2):292–3

VETERANS HOSPITALS see **HOSPITALS, VETERANS**

VETERINARY MEDICINE

see related
ANIMAL DISEASES

Welfare and behavioural problems in domestic animals: a systematic approach. Blackshaw JK, et al. **Aust Vet J** 1985 Jun;62(6):199–200
American Association of Avian Pathologists awards. **Avian Dis** 1985 Oct–Dec;29(4):897–903
Leptospirosis in two veterinarians. Kingscote BF. **Can Med Assoc J** 1985 Nov 1;133(9):879–80
Consequences and costs of infant care [editorial] Dunn PM. **Equine Vet J** 1985 Sep;17(5):338–40
Sir Frederick Hobday memorial lecture. Part 1: Practice, teaching and research—a common philosophy. Part 2: Concepts of critical care in the newborn foal. Rossdale PD. **Equine Vet J** 1985 Sep;17(5):343–53
Further education and specialisation in equine practice [editorial] Singleton WB. **Equine Vet J** 1985 Sep; 17(5):337–8
Recognition of research [editorial] Tavernor WD. **Equine Vet J** 1986 May;18(3):165
A sero-epidemiological study of brucellosis among workers of veterinary hospitals and slaughter house of Union Territory of Delhi. Rana UV, et al. **Int J Zoonoses** 1985 Mar;12(1):74–9
Illness in a veterinary student following accidental inoculation of Brucella abortus strain 19. Nicoletti P, et al. **J Am Coll Health** 1986 Apr;34(5):236–7
Comments on soul search [letter] **J Am Vet Med Assoc** 1986 May 15;188(10):1111–5, 1138
Soul search. Armistead WW. **J Am Vet Med Assoc** 1986 Feb 15;188(4):338–9
Research in the Center for Veterinary Medicine. Batson D, et al. **J Am Vet Med Assoc** 1986 Apr 1;188(7):690–1
Advancing compliance in the accredited veterinarian program. Glosser JW. **J Am Vet Med Assoc** 1986 May 15;188(10):1147–9
Federal regulation gone astray [editorial] Gloyd JS. **J Am Vet Med Assoc** 1986 Jun 1;188(11):1232
When the sole practitioner dies. Hannah HW. **J Am Vet Med Assoc** 1985 Nov 1;187(9):900
Bulk and prescription drugs. Hoffsis GF. **J Am Vet Med Assoc** 1985 Sep 15;187(6):578–81
The veterinarian and animal rights. Jacobs FS. **J Am Vet Med Assoc** 1986 Jun 1;188(11):1265–6

More on representation of private practitioners [letter] Menning EL. **J Am Vet Med Assoc** 1985 Sep 1;187(5):458–9
Standardized nomenclature of veterinary medicine: taking the next step. Pilchard EI. **J Am Vet Med Assoc** 1985 Oct 15;187(8):798–9
Available benefits for chemical dependency. Porter PE. **J Am Vet Med Assoc** 1986 Jun 1;188(11):1269–70
When doing good can help in doing well—a case study. Summers J, et al. **J Am Vet Med Assoc** 1985 Nov 1; 187(9):902–5
Animal rights: some guideposts for the veterinarian. Tannenbaum J. **J Am Vet Med Assoc** 1986 Jun 1; 188(11):1258–63
Organization and functions of the AVMA. Tennyson AV. **J Am Vet Med Assoc** 1986 Apr 1;188(7):686–9
AVMA House of Delegates: democracy in action [editorial] West RL. **J Am Vet Med Assoc** 1986 Jun 15;188(12):1366–7
Employment, starting salaries, and educational indebtedness of 1985 graduates of US veterinary medical colleges. Wise JK, et al. **J Am Vet Med Assoc** 1986 Jan 15;188(2):193–4
Real starting salaries of US veterinary medical college graduates, 1978–1985. Wise JK. **J Am Vet Med Assoc** 1986 Feb 15;188(4):427–8
Veterinarians with psychiatric impairment—a comparison with impaired physicians. Fishbain DA. **J Natl Med Assoc** 1986 Feb;78(2):133–7
Multiple sclerosis in research workers studying swayback in lambs: an updated report. Dean G, et al. **J Neurol Neurosurg Psychiatry** 1985 Sep;48(9):859–65
New ventures in food animal medicine. Miller JG. **J S Afr Vet Assoc** 1984 Mar;55(1):7–?
A computerised experimental file. Schröder J, et al. **J S Afr Vet Assoc** 1985 Dec;56(4):201–3
The role of the veterinary surgeon in the small stock industry. van Rooyen PW. **J S Afr Vet Assoc** 1984 Mar;55(1):9–10
Veterinary center safeguards larger public [news] Ziporyn T. **JAMA** 1985 Oct 25;254(16):2236–7
Onderstepoort today, yesterday and tomorrow. Commemorative lecture. Bigalke RD. **Onderstepoort J Vet Res** 1985 Sep;52(3):121–32
Outbreak of cryptosporidiosis among veterinary students. Pohjola S, et al. **Scand J Infect Dis** 1986;18(2):173–8
Microscopic evaluation of veterinary pathology slides [letter] Prasse K, et al. **Toxicol Appl Pharmacol** 1986 Mar 30; 83(1):184–5
Medico-veterinary collaboration. A review of its importance and relevance, especially in the tropics. Cooper JE. **Trop Doct** 1985 Oct;15(4):187–91
Computers in veterinary practice. **Vet Clin North Am [Small Anim Pract]** 1986 Jul; 16(4):607–783
The AAHA Computer Program. American Animal Hospital Association. Albers JW. **Vet Clin North Am [Small Anim Pract]** 1986 Jul; 16(4):759–67
Computer applications. An overview. Barbee DD. **Vet Clin North Am [Small Anim Pract]** 1986 Jul; 16(4):615–24
History of computers in veterinary practices. Farber PL. **Vet Clin North Am [Small Anim Pract]** 1986 Jul; 16(4):609–14
Economic and management considerations of a computer. Gallagher DP. **Vet Clin North Am [Small Anim Pract]** 1986 Jul;16(4):729–43
Building a practice with a computer. Kruse KA. **Vet Clin North Am [Small Anim Pract]** 1986 Jul;16(4):723–7
Computers as medical management tools. Computer-assisted diagnosis and medical decision support. Pollock RV. **Vet Clin North Am [Small Anim Pract]** 1986 Jul; 16(4):669–84
Using databases. Rivkin LS. **Vet Clin North Am [Small Anim Pract]** 1986 Jul; 16(4):647–68
Computerized medical record-keeping. Rude FR. **Vet Clin North Am [Small Anim Pract]** 1986 Jul; 16(4):625–46
Special medical applications of computers. Stevens F. **Vet Clin North Am [Small Anim Pract]** 1986 Jul; 16(4):685–702
Effects of computers on the practice. Taylor DH. **Vet Clin North Am [Small Anim Pract]** 1986 Jul; 16(4):709–21
Evaluating computer systems for the veterinary practice. Vickers TW. **Vet Clin North Am [Small Anim Pract]** 1986 Jul;16(4):745–58
Don't tell your wife. **Vet Rec** 1986 Mar 8;118(10):284
Sales restrictions [letter] **Vet Rec** 1986 Mar 29;118(13):370–1
NOAH: a new voice in animal medicines. **Vet Rec** 1986 Mar 15;118(11):285
A concordat with compounders [editorial] **Vet Rec** 1986 Apr 26;118(17):469
Research, education and science. **Vet Rec** 1986 Apr 26; 118(17):474–5
BVA/UKASTA concordat. **Vet Rec** 1986 Apr 26; 118(17):488–9
Round-the-clock cover [letter] **Vet Rec** 1986 Jul 5;119(1):24
RCVS Bristol meeting [letter] **Vet Rec** 1986 Jul 26;119(4):99
Round-the-clock cover [letter] **Vet Rec** 1986 Jul 12; 119(2):51–2
Pet insurance [letter] **Vet Rec** 1985 Aug 3;117(5):115–6
1984 graduates: employment survey. **Vet Rec** 1985 Sep 14; 117(11):283–9
Effect of various veterinary procedures on plasma concentrations of cortisol, luteinising hormone and prostaglandin F2 alpha metabolite in the cow. Alam MG, et al. **Vet Rec** 1986 Jan 4;118(1):7–10
Round-the-clock cover [letter] Anderson TS. **Vet Rec** 1985 Dec 14;117(24):648
Ionising radiation regulations [letter] Baker G. **Vet Rec** 1985 Dec 14;117(24):646
Wooldridge memorial lecture. Veterinary activities in Europe: present and future. Bendizen HJ. **Vet Rec** 1985 Sep 21;117(12):297–302
Dangers of 'alternative' treatments [letter] Biddis KJ. **Vet Rec** 1985 Nov 9;117(19):508
RVC medical associations [letter] Carter H. **Vet Rec** 1986 Jul 26;119(4):99–100
Computers and veterinary practice in the United Kingdom. Davies M. **Vet Rec** 1985 Aug 24;117(8):161–8
Eradication, elimination or control? Done JT. **Vet Rec** 1985 Sep 7;117(10):253
Advertising and the profession [letter] Frackowiak A. **Vet Rec** 1986 Feb 15;118(7):191–2
Emergency treatment [letter] Gray CG. **Vet Rec** 1986 Mar 29;118(13):372
Are locums self-employed? Gripper J. **Vet Rec** 1986 Feb 8;119(6):142
When crime strikes. Hadley J. **Vet Rec** 1986 Feb 1;118(5):120
Round-the-clock cover [letter] Hannam RW. **Vet Rec** 1986 Jun 21;118(25):708
Veterinary nurse certificates for RANAs [letter] MacArthur JA. **Vet Rec** 1986 Feb 15;118(7):192
Small animal practice—a year of opportunity. Parkin G. **Vet Rec** 1986 Apr 5;118(14):377–8
Our violent society [letter] Payne AR. **Vet Rec** 1985 Dec 14;117(24):648
Ethics of embryo transfer [letter] Pycock JF. **Vet Rec** 1985 Dec 14;117(24):647
Our violent society [letter] Turner T. **Vet Rec** 1986 Feb 15; 118(7):191
The unexpected death—how well do we communicate? Turner T. **Vet Rec** 1985 Oct 12;117(15):371
Advertising and equine practice. Vogel C. **Vet Rec** 1986 Apr 12;118(15):431
The dangers of 'alternative' treatments. Vogel C. **Vet Rec** 1985 Nov 2;117(18):475–6
Advertising and the profession [letter] Ward RK. **Vet Rec** 1985 Dec 14;117(24):647
Problems with medicated feeds [letter] Wingfield AS. **Vet Rec** 1986 Jan 4;118(1):27
[Awarding of the Schornagel Medal and the Schimmel-Viruly Prize] **Tijdschr Diergeneeskd** 1986 Jan 15;111(2):92–8 (Dut)
[A vision of the future of establishment policy] Aukema JJ. **Tijdschr Diergeneeskd** 1985 Dec 1;110(23):1032–3 (Dut)
[Clinical pathology in practice: 6-year experience with a laboratory in a veterinary group practice] Bethlehem M. **Tijdschr Diergeneeskd** 1986 Mar 15;111(6):282–5 (Eng. Abstr.) (Dut)
[A round trip through epidemiology] de Waard F. **Tijdschr Diergeneeskd** 1985 Sep 15;110(18):697–702 (Eng. Abstr.) (Dut)
[Decision of the Luxembourg Court of Justice with reference to the free establishment and reciprocal recognition of diplomas] Mackenzie Stuart AJ, et al. **Tijdschr Diergeneeskd** 1985 Oct 1;110(19):797–9 (Dut)
[Nuclear energy and the Veterinary Inspection for Public Health] Mattern FC. **Tijdschr Diergeneeskd** 1985 Dec 1; 110(23):1007–10 (Eng. Abstr.) (Dut)
[Epidemiologic studies using computerized data bases. II. The design of computerized data bases] Thrusfield MV. **Tijdschr Diergeneeskd** 1986 Apr 15;111(8):379–83 (Eng. Abstr.) (Dut)
[Epidemiologic studies using computerized data bases. III. Various examples of epidemiological studies using computerized data bases] Thrusfield MV. **Tijdschr Diergeneeskd** 1986 Apr 15;111(8):384–8 (Eng. Abstr.) (Dut)
[Epidemiological study using computerized data bases. I. The nature of veterinary observation studies] Thrusfield MV. **Tijdschr Diergeneeskd** 1986 Apr 15;111(8):371–8 (Eng. Abstr.) (Dut)
[Role of the veterinarian on the automated stock farm] van Lipzig JH. **Tijdschr Diergeneeskd** 1986 Jan 15;111(2):63–75 (Eng. Abstr.) (Dut)
[Epidemiological aspects of data banks and biological banks] van Noord PA. **Tijdschr Diergeneeskd** 1985 Sep 15; 110(18):703–15 (Eng. Abstr.) (Dut)
[The use of language (letter)] van Tongeren HA. **Tijdschr Diergeneeskd** 1986 Feb 1;111(3):142–3 (Dut)
[Activities of veterinary biologists. The special case of food microbiology] Jacquet J. **Bull Mem Acad R Med Belg** 1985; 140(1–3):159–68 (Eng. Abstr.) (Fre)
[Determination of pharmacokinetic variables in veterinary medicine using a computer program] Bache K, et al. **Arch Exp Veterinarmed** 1985 May;39(3):296–308 (Eng. Abstr.) (Ger)
[Abstracts of dissertations of the veterinary medicine faculties, Bern and Zurich, 1986] **Schweiz Arch Tierheilkd** 1986 Jul;128(7):365–80 (Ger)
[The veterinarian in the court (1)] Fellmer E. **Tierarztl Prax** 1986;14(1):1–7 (Eng. Abstr.) (Ger)
[The veterinarian in court (2)] Fellmer E. **Tierarztl Prax** 1986; 14(2):161–8 (Eng. Abstr.) (Ger)
[Detection of specific IgE antibodies in veterinarians with contact urticaria] Kalveram KJ, et al. **Z Hautkr** 1986 Jan; 61(1–2):75–8, 81 (Eng. Abstr.) (Ger)
[Veterinary public health] **Ann Ist Super Sanita** 1984; 20(4):245–399 (Ita)
[Problems of an international nature in the registration of drugs for veterinary use] Lorenzini RN. **Ann Ist Super Sanita** 1984;20(4):271–4 (Eng. Abstr.) (Ita)
[Review of the achievements of veterinary parasitology 1979–1983] Ramisz A. **Wiad Parazytol** 1985;31(4–6):387–96 (Pol)

ECONOMICS

Marketing veterinary services [letter] Griffiths AO. **J Am Vet Med Assoc** 1986 Aug 1;189(3):258–9
Real professional income of US veterinarians. Wise JK. **J Am Vet Med Assoc** 1986 May 15;188(10):1195–6
Sales restrictions [letter] Armstrong JW, et al. **Vet Rec** 1986 Mar 8;118(10):284
Consultancy fees. Fussell M. **Vet Rec** 1986 Mar 8;118(10):258
Discount neutering [letter] Gourley J. **Vet Rec** 1986 Jul 5; 119(1):24
Financing the veterinary surgeon's car [letter] Gripper J, et al. **Vet Rec** 1986 Feb 1;118(5):135
The budget. Gripper J. **Vet Rec** 1986 Apr 26;118(17):472
Avoiding the inspector. Hadley J. **Vet Rec** 1985 Dec 21–28; 117(25–26):658
Television misrepresentation [letter] Wells BT. **Vet Rec** 1986 May 3;118(18):517–8
[Overdue payments (1)] Teerink GJ Sr. **Tijdschr Diergeneeskd** 1985 Oct 1;110(19):807–8 (Dut)
[Overdue payments (2)] Teerink GJ Sr. **Tijdschr Diergeneeskd** 1985 Oct 15;110(20):869–71 (Dut)

HISTORY

[Arnold Theiler memorial lecture. Burning torches, old bones, ivory towers and red flags] de Boom HP. **J S Afr Vet Assoc** 1985 Dec;56(4):169–72 (Afr)
[Data on equine veterinary medicine in the reign of Czar Simeon] Popov M. **Vet Med Nauki** 1986;23(3):89–93 (Bul)
[200 years of education in veterinary medicine and veterinary activity in Czechoslovakia] Dražan J. **Vet Med (Praha)** 1985 Nov;30(11):641–7 (Eng. Abstr.) (Cze)
[75 years of the Riems Island Friedrich Loeffler Institute—75 years of veterinary research and vaccine production] Bathke W. **Arch Exp Veterinarmed** 1985 Sep;39(5):617–22 (Eng. Abstr.) (Ger)
[The end of the beginning] Dinter Z. **Beri Munch Tierarztl Wochenschr** 1986 Jul 1;99(7):246–9 (Ger)
[The status of veterinary medicine 1801] Hausmann W. **DTW** 1986 Apr 7;93(4):156–9 (Eng. Abstr.) (Ger)
[Significant contributions to veterinary medicine in the writings of Nicander] Hausmann W. **DTW** 1985 Jul 24; 92(7–8):273–5 (Eng. Abstr.) (Ger)
[No research without the history of science] Treue W. **DTW** 1986 Apr 7;93(4):148–50 (Eng. Abstr.) (Ger)
[Erwin Becker's veterinary dental treatment] Wens HM. **DTW** 1986 Apr 7;93(4):159–61 (Eng. Abstr.) (Ger)
[Development of the Swiss military veterinary service with special reference to relations with the Association of Central Switzerland Veterinarians] Blättler J. **Schweiz Arch Tierheilkd** 1985 Sep;127(9):605–15 (Eng. Abstr.) (Ger)
[The supposed and frustrated beginnings of female education at the veterinary medical school of the Zurich University] Sackmann-Rink M. **Schweiz Arch Tierheilkd** 1985 Dec; 127(12):793–8 (Eng. Abstr.) (Ger)
[The beginnings of women's education at both veterinary medicine faculties in Switzerland] Sackmann-Rink M. **Schweiz Arch Tierheilkd** 1986 Jan;128(1):27–39 (Eng. Abstr.) (Ger)
[Veterinary medicine in Cato] Hausmann W. **Tierarztl Prax** 1985;13(3):273–80 (Eng. Abstr.) (Ger)
[Relation between human medicine and veterinary medicine; gleanings from and thoughts on the volume "Pages from the Past of Rumanian Veterinary Medicine"] Cironeanu I. **Rev Ig [Bacteriol]** 1985 Jul–Sep;30(3):285–8 (Rum)

INSTRUMENTATION

The 'Turner' circle absorber: an anaesthetic breathing system for the horse. Brownlow MA, et al. **Equine Vet J** 1985 May;17(3):225–7
Equine flotation tank design and technique. Hutchins DR, et al. **Equine Vet J** 1986 Jan;18(1):65–7

MANPOWER

Mixed viewpoints on supply of and demand for veterinarians [letter] **J Am Vet Med Assoc** 1986 Apr 15;188(8):788, 790–1, 806
The AVMA model of US veterinary medical manpower supply. Mara PA, et al. **J Am Vet Med Assoc** 1986 Jun 15;188(12):1378–85
Is there a surplus? [letter] **Vet Rec** 1986 May 3;118(18):517
Jobs for the boys and girls [editorial] **Vet Rec** 1985 Sep 14; 117(11):257
Manpower review. "Cut intake 10 per cent" says review body. **Vet Rec** 1985 Sep 14;117(11):281–2

Is there a surplus? [letter] Browning T. **Vet Rec** 1986 Apr 19;118(16):468
The obsolete RANA [letter] Henwood JK. **Vet Rec** 1986 Apr 5;118(14):407
Changing role of the veterinary nurse. MacArthur J. **Vet Rec** 1986 Apr 5;118(14):379–80
Veterinary unemployment: facts which persist [letter] Michell AR. **Vet Rec** 1985 Dec 14;117(24):647
Is there a surplus? [letter] Porter A. **Vet Rec** 1986 Apr 12; 118(15):434
The obsolete RANA [letter] Turner T. **Vet Rec** 1985 Nov 9;117(19):508
Not enough graduates? [letter] Williams BM. **Vet Rec** 1985 Sep 14;117(11):292

METHODS

Basics of photography in veterinary practice. Gunn D. **In Pract** 1986 May;8(3):101–9
A review of immunomodulators and their application in veterinary medicine. Mulcahy G, et al. **J Vet Pharmacol Ther** 1986 Jun;9(2):119–39 (96 ref.)
[Automation: specter or aspiration for the large-animal practitioner?] Brand A, et al. **Tijdschr Diergeneeskd** 1986 Jan 15;111(2):76–82 (Eng. Abstr.) (Dut)
[Precision of dosage (letter)] Coops WJ. **Tijdschr Diergeneeskd** 1986 Jan 15;111(2):91 (Dut)
[The keeping of poisonous snakes in veterinary medicine surveillance] Günther D. **DTW** 1985 Sep 6;92(9):327–8 (Eng. Abstr.) (Ger)
[The Seralyzer dry-reagent system and its applicability to veterinary practice] Tschudi P. **Tierarztl Prax** 1985; 13(3):385–93 (Eng. Abstr.) (Ger)

STANDARDS

Practice standards and the standard of skill and care. Hannah HW. **J Am Vet Med Assoc** 1986 Mar 1;188(5):497–8
Overview of the National Board Examination for veterinary medicine. Hayez K. **J Am Vet Med Assoc** 1986 Apr 15; 188(8):807–10
Quotations from the "enemy" within [letter]Menning EL. **J Am Vet Med Assoc** 1986 Feb 15;188(4):336–7
Scottish veterinary investigation service [letter] Wright CL. **Vet Rec** 1986 Mar 8;118(10):283

TRENDS

The Kendall oration. The changing scene of veterinary administration. Alexander GI. **Aust Vet J** 1985 Jul; 62(7):250–2
Public health responsibilities of veterinary medicine. Armistead WW. **J Am Vet Med Assoc** 1985 Dec 1; 187(11):1109–11
Comments on the "enemy" within [letter]Day FG. **J Am Vet Med Assoc** 1986 May 1;188(9):918–9
Professional advertising. McCurnin DM, et al. **J Am Vet Med Assoc** 1986 Jun 15;188(12):1387–9
In defense of computers [letter] Pollock RV. **J Am Vet Med Assoc** 1985 Sep 15;187(6):544–5
Future of veterinary medicine from the perspective of academic veterinary medicine. Shelton GC. **J Am Vet Med Assoc** 1986 Apr 15;188(8):812–3
Emergency services and advertising. **Vet Rec** 1986 Jan 25; 118(4):86–7
Effective marketing of veterinary services and products [letter] **Vet Rec** 1986 Jan 18;118(3):83–4
Major changes in statutory sick pay. Hadley J. **Vet Rec** 1986 Jan 25;118(4):90
Advertising and the profession [letter] Hepworth PL. **Vet Rec** 1986 Mar 29;118(13):370
Image of the profession [letter] Pepper RT. **Vet Rec** 1986 Feb 1;118(5):135
Small animal practice—progress without a precedent. Turner T. **Vet Rec** 1986 Apr 5;118(14):378–9
Advertising and the profession [letter] Ward RK. **Vet Rec** 1986 Jan 18;118(3):83
Specialisation [letter] Ward WR. **Vet Rec** 1985 Nov 9; 117(19):506
Ionising radiation regulations and veterinary practice [letter] Webbon PM. **Vet Rec** 1986 Jan 25;118(4):111–2
The future of the BVA [letter] Wilson J. **Vet Rec** 1985 Nov 23;117(21):563–4
[Status and prospects of using lasers in veterinary medicine] Bodurov N. **Vet Med Nauki** 1986;23(4):3–6 (Bul)
[Development of veterinary science in light of the February and March Plenums of the Central Committee of the Bulgarian Communist Party] Bozhkov I. **Vet Med Nauki** 1985;22(8):3–6 (Bul)
[Scientific and technical progress—the basis for the further development of veterinary medical science] Tomov T. **Vet Med Nauki** 1985;22(7):3–8 (Bul)
[What is left of the farmer-veterinarian relationship in the year 2000?] Rutgers LJ. **Tijdschr Diergeneeskd** 1986 Aug 15;111(15–16):772–4 (Dut)
[Developments in veterinary medicine and possible impact on veterinary practice and education] Rutgers LJ, et al. **Tijdschr Diergeneeskd** 1986 Jan 1;111(1):20–7 (Eng. Abstr.) (Dut)
[Thoughts on the position of veterinary medicine in Swiss agricultural research] Gerber H. **Schweiz Arch Tierheilkd** 1986 Jun;128(6):275–88 (Eng. Abstr.) (Ger)
[The veterinarian in the bridge between human and animal] Leidl W. **Tierarztl Prax** 1985;13(4):415–7 (Ger)
[Past, present and future of the Veterinary Public Health section of the World Health Organization in the field of food hygiene] Koulikovskii A. **Ann Ist Super Sanita** 1984; 20(4):329–37 (Eng. Abstr.) (Ita)
[Elements of basic health care and their implications in veterinary public health programs] Matyas Z. **Ann Ist Super Sanita** 1984;20(4):265–70 (Eng. Abstr.) (Ita)

VETERINARY SERVICE, MILITARY

HISTORY

[Military veterinary service in World War II] Popov M. **Vet Med Nauki** 1985;22(10):79–84 (Bul)
[Development of the Swiss military veterinary service with special reference to relations with the Association of Central Switzerland Veterinarians] Blättler J. **Schweiz Arch Tierheilkd** 1985 Sep;127(9):605–15 (Eng. Abstr.) (Ger)

VIBRATION

Vibratory perception thresholds in shipyard workers exposed to solvents. Halonen P, et al. **Acta Neurol Scand** 1986 Jun; 73(6):561–5
Vasomotor changes in human skin elicited by high frequency low amplitude vibration. Skoglund CR, et al. **Acta Physiol Scand** 1985 Oct;125(2):335–6
Vibration syndrome in industry: dermatological viewpoint. Taylor JS. **Am J Ind Med** 1985;8(4–5):415–32
Effect of vibration on a canine cutaneous artery. Lindblad LE, et al. **Am J Physiol** 1986 Mar;250(3 Pt 2):H519–23
Influence of hyperbaric heliox environment at 31ATA on microvibration and electroencephalogram in four divers. Sakamoto K, et al. **Ann Physiol Anthropol** 1985 Apr; 4(2):137–45
Influences of neck vibration on lower limb extensor muscles in man. Rossi A, et al. **Arch Ital Biol** 1985 Nov; 123(4):241–53
Vibrotactile performance by normal and hearing-impaired subjects using two commercially available vibrators. Donahue AM, et al. **Audiology** 1985;24(5):362–73
Effect of exposure to heat, hypoxia, cold, acceleration, and vibration stress on the total blood sulfhydryl groups in human subjects. Iyer EM, et al. **Aviat Space Environ Med** 1985 Nov;56(11):1097–101
Inhibitory effects of combined agonist and antagonist muscle vibration on H-reflex in man. Martin BJ, et al. **Aviat Space Environ Med** 1986 Jul;57(7):681–7
Comparative effects of whole-body vibration on sensorimotor performance achieved with a mini-stick and a macro-stick in force and position control modes. Ribot E, et al. **Aviat Space Environ Med** 1986 Aug;57(8):792–9
Comparative biodynamic response of two primate species to the same vibrational environment. Slonim AR. **Aviat Space Environ Med** 1985 Oct;56(10):945–55
The biological functions of low-frequency vibrations (phonons) 5. A phenomenological theory. Chou KC, et al. **Biophys Chem** 1985 Aug;22(3):219–35
Body reactions during chain saw work. Matoba T, et al. **Br J Ind Med** 1985 Oct;42(10):667–71
Influence of local vibration on plasma creatine phosphokinase (CPK) activity. Okada A, et al. **Br J Ind Med** 1985 Oct; 42(10):678–81
The development and evaluation of a tactile vocoder for the profoundly deaf. Brooks PL, et al. **Can J Public Health** 1986 May–Jun;77 Suppl 1:108–13
The vibratory perception threshold in young diabetic patients: associations with glycemia and puberty. Sosenko JM, et al. **Diabetes Care** 1985 Nov–Dec;8(6):605–7
Influence of temperature on the output of a mechanical coupler. Frank T, et al. **Ear Hear** 1985 Jul–Aug;6(4):206–10
Vibration and comfort: vertical and lateral motion in the range 0.5 to 5.0 Hz. Corbridge C, et al. **Ergonomics** 1986 Feb;29(2):249–72
Quantitative vibration perception thresholds in healthy subjects of working age. Halonen P. **Eur J Appl Physiol** 1986;54(6):647–55
Perceptual and motor effects of agonist-antagonist muscle vibration in man. Gilhodes JC, et al. **Exp Brain Res** 1986; 61(2):395–402
Vibration-evoked responses from lamellated corpuscles in the legs of kangaroos. Gregory JE, et al. **Exp Brain Res** 1986;62(3):648–53
Separate control of arm position and velocity demonstrated by vibration of muscle tendon in man. Sittig AC, et al. **Exp Brain Res** 1985;60(3):445–53
Effects of tendon vibration on unimanual and bimanual movement accuracy. Bullen AR, et al. **Exp Neurol** 1986 Aug;93(2):311–9
Intrapartum vibroacoustic stimulation in cases of normal and abnormal fetal heart rate patterns. Ohel G, et al. **Gynecol Obstet Invest** 1986;21(1):1–5
Intermodulation distortion in the cochlea: could basal vibration be the major cause of round window CM distortion? Brown AM, et al. **Hear Res** 1985;19(3):191–8
Bioresponses in men after repeated exposures to single and simultaneous sinusoidal or stochastic whole body vibrations of varying bandwidths and noise. Manninen O. **Int Arch Occup Environ Health** 1986;57(4):267–95
Child and adult vibrotactile thresholds for sinusoidal and pulsatile stimuli. Bernstein LE, et al. **J Acoust Soc Am** 1986 Jul;80(1):118–23
Vibrotactile perception of suprasegmental features of speech: a comparison of single-channel and multichannel instruments. Carney AE, et al. **J Acoust Soc Am** 1986 Jan; 79(1):131–40
Envelope detection of amplitude-modulated high-frequency sinusoidal signals by skin mechanoreceptors. Lamoré PJ, et al. **J Acoust Soc Am** 1986 Apr;79(4):1082–5
The effects of skin temperature on the psychophysical responses to vibration on glabrous and hairy skin. Verrillo RT, et al. **J Acoust Soc Am** 1986 Aug;80(2):528–32
Pallesthesiometric studies and their use as diagnostic and prognostic indicators. Klein MS, et al. **J Am Podiatr Med Assoc** 1985 Sep;75(9):453–9
Vibration analysis of human tibia [letter] Laura PA. **J Biomed Eng** 1986 Jul;8(3):278
Vibrational analysis [letter] Stephen RO. **J Biomed Eng** 1985 Oct;7(4):341–2
Temporal integration and vibrotactile backward masking. Evans PM, et al. **J Exp Psychol [Hum Percept]** 1986 May; 12(2):160–8
Vibrotactile frequency discrimination at short durations. Cohen B, et al. **J Gen Psychol** 1986 Apr;113(2):179–86
Vibrotactile frequency recognition: forward and backward masking effects. Kirman JH. **J Gen Psychol** 1986 Apr; 113(2):147–58
Observations on the effects of vibration and noise on plasma ACTH and zinc levels, pregnancy and respiration rate in the guineapig. Bailey KJ, et al. **Lab Anim** 1986 Apr; 20(2):101–8
Effect of skin temperature on vibrotactile sensitivity. Ide H, et al. **Med Biol Eng Comput** 1985 Jul;23(4):306–10
Effects of vibratory stimulation on muscular pain threshold and blink response in human subjects. Pantaleo T, et al. **Pain** 1986 Feb;24(2):239–50
Effects of exposure to psychophysical scaling on lingual vibrotactile magnitude estimation and magnitude production. Fucci D, et al. **Percept Mot Skills** 1986 Aug; 63(1):67–74
[Studies on the vibratory pattern of vocal cords in different registers using different stroboscopic technics] Röhrs M, et al. **Folia Phoniatr (Basel)** 1985;37(3–4):113–8 (Eng. Abstr.) (Ger)
[Recommendations of the Japan Association of Industrial Health on maximum permissible exposure levels] **Sangyo Igaku** 1985 May;27(3):195–209 (Jpn)
[Radiographical changes in the elbow joints of chainsaw operators] Une H, et al. **Sangyo Igaku** 1985 May;27(3):152–7 (Eng. Abstr.) (Jpn)
[The response of monoamines in the rat brain to local vibration exposure] Yamaguchi Y. **Sangyo Igaku** 1985 Mar; 27(2):73–82 (Eng. Abstr.) (Jpn)
[The hand and environment—physiological changes of digital functions in adult men by vibratory stimulations, water immersions and climatic conditions] Matsuki T, et al. **Sangyo Ika Daigaku Zasshi** 1986 Mar 20;8 Suppl:119–22 (Eng. Abstr.) (Jpn)
[The influence of infrasound vibration upon cochlea] Yoshida A, et al. **Sangyo Ika Daigaku Zasshi** 1986 Mar 20;8 Suppl:123–8 (Eng. Abstr.) (Jpn)
[Significance of the liquid–crystal state of biogenic structures in the pathogenesis of vibration disease (review of the literature)] Aizenshtadt VS, et al. **Gig Tr Prof Zabol** 1986 Jun;(6):41–3 (28 ref.) (Rus)
[Integral evaluation of vibration] Berakha RIa. **Gig Tr Prof Zabol** 1986 Apr;(4):23–5 (Eng. Abstr.) (Rus)
[Physiologo-hygienic characteristics of the noise–vibration factor in the workplace of drivers of modern urban buses] Shamin SA. **Gig Tr Prof Zabol** 1985 Sep;(9):36–8 (Rus)
[Sanitary standards for industrial vibration] Suvorov GA, et al. **Gig Tr Prof Zabol** 1985 Sep;(9):1–5 (Eng. Abstr.) (Rus)
[Effect of impulse local vibration with different time distribution of impulses on the body] Zhuravlev AB, et al. **Gig Tr Prof Zabol** 1985 Jul;(7):28–31 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Cold hands after exposure to arsenic or vibrating tools: effects of ketanserin on finger blood pressure and skin temperature. Lagerkvist BE, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 May;58(5):327–32
Raynaud's phenomenon as it relates to hand-tool vibration in the workplace. Wasserman DE. **Am Ind Hyg Assoc J** 1985 Dec;46(12):B10, B12, B14–8
Vibration syndrome. Cutaneous and systemic manifestations in a jackhammer operator. Cohen SR, et al. **Arch Dermatol** 1985 Dec;121(12):1544–7
Vibration white finger and digital systolic pressure during cooling. Ekenvall L, et al. **Br J Ind Med** 1986 Apr; 43(4):280–3
Vibration induced injury [editorial] Färkkilä M. **Br J Ind Med** 1986 Jun;43(6):361–2
Assessment of vibration induced white finger: reliability and validity of two tests. Hack M, et al. **Br J Ind Med** 1986 Apr;43(4):284–7
A study of white finger in the gas industry. Walker DD, et al. **Br J Ind Med** 1985 Oct;42(10):672–7
Vibration white finger: a newly prescribed disease [editorial]

Taylor W. **Br Med J [Clin Res]** 1985 Oct 5;291(6500):921–2
Acute impairment of the sensitivity of skin mechanoreceptive units caused by vibration exposure of the hand. Lundström R, et al. **Ergonomics** 1986 May;29(5):687–98
Effect of whole-body vibration with different frequencies and intensities on auditory evoked potentials and heart rate in man. Ullsperger P, et al. **Eur J Appl Physiol** 1986; 54(6):661–8
A case–control study on the prognosis of vibration syndrome. Futatsuka M, et al. **Int Arch Occup Environ Health** 1986; 58(2):113–20
Cardiovascular changes and hearing threshold shifts in men under complex exposures to noise, whole body vibrations, temperatures and competition–type psychic load. Manninen O. **Int Arch Occup Environ Health** 1985;56(4):521–74
Combined effects of noise, vibration and visual field stimulation on electrical brain activity and optomotor responses. Pyykkö I, et al.
Int Arch Occup Environ Health 1985;56(2):147–59
Effects of sinusoidal whole–body vibration on the lumbar spine: the stress–strain relationship. Seidel H, et al.
Int Arch Occup Environ Health 1986;57(3):207–23
Long–term effects of whole–body vibration: a critical survey of the literature. Seidel H, et al.
Int Arch Occup Environ Health 1986;58(1):1–26 (185 ref.)
Vibratory and tactile sense of the fingers after working with sanders. Verberk MM, et al.
Int Arch Occup Environ Health 1985;56(3):217–23
In vivo measurements of spinal column vibrations. Panjabi MM, et al. **J Bone Joint Surg [Am]** 1986 Jun;68(5):695–702
Vibration, man and tolerance. Ganday BJ.
J R Soc Health 1985 Oct;105(5):184–7
Analysis of capillary fluid flow rate by vibration on a small vessel model. Fukagawa Y, et al.
Sangyo Ika Daigaku Zasshi 1986 Jun 1;8(2):159–68
[Reflex activity of peripheral vessels in workers using vibrating equipment who have traumatic vasoneuroses of the upper extremities] Pulec Z, et al. **Cas Lek Cesk** 1986 Jan 3;125(1):23–7 (Eng. Abstr.) (Cze)
[The vibration syndrome] Olsen N. **Ugeskr Laeger** 1985 Jul 22;147(30):2363–7 (Eng. Abstr.) (Dan)
[Several cardiovascular manifestations induced by vibrational stimuli] Rochette G, et al. **C R Soc Biol (Paris)** 1985; 179(4):522–7 (Eng. Abstr.) (Fre)
[French legislation concerning vibration–induced disease and vinyl chloride poisoning] Proteau J, et al. **J Mal Vasc** 1985; 10(4):264–74 (Eng. Abstr.) (Fre)
[Digital vibration syndrome: neuro–physiologic study in 17 patients] Vecchierini–Blineau MF, et al.
Rev Electroencephalogr Neurophysiol Clin 1986 Feb; 15(4):355–60 (Eng. Abstr.) (Fre)
[Circadian rhythm studies of the effect of vibration on fetal development] Fanghänel J, et al. **Anat Anz** 1986;161(1):81–4 (Ger)
[Secondary Raynaud's syndrome in vibration syndrome] Leyhe A. **Dtsch Med Wochenschr** 1986 May 30; 111(22):871–6 (Ger)
[Electromyographic examination of vibration workers] Hagemann P, et al. **Psychiatr Neurol Med Psychol Beih** 1969;10–11:181–3 (Ger)
[Obliterating arterial angiopathy of the finger in vibration disease] Leyhe A. **Radiologe** 1985 Dec;25(12):582–6 (Eng. Abstr.) (Ger)
[Vibration syndrome—a case report of a metal grinder] Stefenelli T, et al. **Vasa** 1986;15(1):81–4 (Eng. Abstr.) (Ger)
[Possibility for the evaluation of spinal stress caused by whole body vibration in experimental conditions] Blüthner R, et al. **Z Gesamte Hyg** 1986 Feb;32(2):111–3 (Eng. Abstr.) (Ger)
[Broad–band stochastic whole body vibration—an experimental study of evaluation procedures] Metz AM, et al. **Z Gesamte Hyg** 1986 Feb;32(2):114–6 (Eng. Abstr.) (Ger)
[Effect of hand–arm vibrations on the spontaneous rhythm of circulation in the fingers] Schwarzlose H.
Z Gesamte Hyg 1986 Jun;32(6):356–8 (Eng. Abstr.) (Ger)
[Effect of noise and vibration on residents living near railway lines] Töpfer K, et al. **Z Gesamte Hyg** 1986 Feb;32(2):75–8 (Eng. Abstr.) (Ger)
[Integrated long–term measurements in noise and vibration measurement technics] Weisring H. **Z Gesamte Hyg** 1986 Apr;32(4):253–7 (Eng. Abstr.) (Ger)
[Neurologic, electrophysiologic and angiologic examination of patients with vibration disease] Kákosy T, et al.
Orv Hetil 1985 Oct 27;126(43):2641–5 (Eng. Abstr.) (Hun)
[Tunnel syndromes of the upper extremities in patients suffering from vibration damage] Kákosy T, et al.
Orv Hetil 1985 Nov 10;126(45):2765–9 (Eng. Abstr.) (Hun)
[Peripheral vascular manifestations and osteoarticular changes in mine drillers and lumber workers] Lo Monaco C, et al. **G Ital Med Lav** 1984 Sep–Nov;6(5–6):251–7 (Eng. Abstr.) (Ita)
[Spinal changes in drivers of heavy vehicles] Occhipinti E, et al. **Med Lav** 1986 May–Jun;77(3):280–92 (Eng. Abstr.) (Ita)
[Study of somatosensory evoked response (SER) in patients with occupational vibration disease. Effect on SER induced by load of hot and cold water, and depressing the brachium]
Ohta Y, et al. **Sangyo Igaku** 1985 Sep;27(5):318–27 (Eng. Abstr.) (Jpn)
[Observations of capillary fluid flow rate by vibration on the small vessel model] Fukagawa Y, et al.
Sangyo Ika Daigaku Zasshi 1986 Mar 20;8 Suppl:109–17 (Eng. Abstr.) (Jpn)
[Isotope capillary test in the diagnosis of a vascular form of vibration syndrome caused by local mechanical vibration] Langsauer–Lewowicka H, et al. **Med Pr** 1985; 36(3):167–72 (Eng. Abstr.) (Pol)
[Various plasma components and whole blood viscosity in patients with the vascular form of vibration disease] Turczyński B, et al. **Med Pr** 1985;36(5):303–8 (Eng. Abstr.) (Pol)
[Blood viscosity and the pressure limit of whole blood in patients with a vascular form of vibration disease] Turczyński B, et al. **Med Pr** 1985;36(2):105–10 (Eng. Abstr.) (Pol)
[Erythrocyte aggregation indicator, hematocrit and plasma viscosity in patients with a vascular form of vibration disease] Turczyński B, et al. **Med Pr** 1985;36(3):161–6 (Eng. Abstr.) (Pol)
[Usefulness of thermal tests for evaluating vascular changes in persons exposed to vibration] Tutak T. **Med Pr** 1985; 36(3):173–8 (Eng. Abstr.) (Pol)
[Nitroblue tetrazolium (NBT) reduction test in workers exposed to mechanical vibration and noise] Sroczyński J, et al. **Pol Tyg Lek** 1985 Sep 16;40(37):1039–40 (Eng. Abstr.) (Pol)
[Effect of industrial vibration and noise on lymphocytic chromosomes] Sroczynski J, et al. **Pol Tyg Lek** 1985 Sep 16;40(37):1036–8 (Eng. Abstr.) (Pol)
[Adrenergic innervation of the myocardium and skeletal musculature of the rabbit exposed to vibration] Shvalev OV. **Arkh Anat Gistol Embriol** 1986 Feb;90(2):64–9 (Eng. Abstr.) (Rus)
[Smooth muscle cells of blood vessels in response to vibration] Zhuk NN. **Arkh Anat Gistol Embriol** 1985 Oct; 89(10):61–3 (Eng. Abstr.) (Rus)
[Effect of factors in a nautical environment on conditioned reflex activity in the experimental animal during a long voyage] Netudykhatka OIu, et al. **Fiziol Zh** 1985 Nov–Dec; 31(6):688–91 (Eng. Abstr.) (Rus)
[Characteristics of the vascular reaction of the auditory cortex in delabyrinthized animals exposed to the joint action of wide–band noise and local vibration] Anichin VF, et al. **Gig Sanit** 1985 Dec;(12):20–1 (Eng. Abstr.) (Rus)
[Methodologic aspects of using stereoroentgenogrammetry in studying the effect of vibration] Chernil AN, et al.
Gig Sanit 1986 May;(5):31–4 (Rus)
[Disorders of creatine metabolism in vibration disease] Artamonova VG, et al. **Gig Tr Prof Zabol** 1985 Sep;(9):10–2 (Eng. Abstr.) (Rus)
[Clinical and immunologic changes in vibration disease] Asadullaev MM. **Gig Tr Prof Zabol** 1986 Mar;(3):54–6 (Rus)
[Clinico–rheovasographic and rheoencephalographic parallels in vibration pathology] Asadullaev MM.
Gig Tr Prof Zabol 1985 Sep;(9):39–41 (Rus)
[New method of preventing the harmful action of local vibration] Butkovskaia ZM, et al. **Gig Tr Prof Zabol** 1986 Apr;(4):25–7 (Eng. Abstr.) (Rus)
[Vibration disease morbidity in machine building] Ermolenko AE, et al. **Gig Tr Prof Zabol** 1985 Sep;(9):5–8 (Eng. Abstr.) (Rus)
[Basis for the safe revised level of local vibration and prediction of the incubation period of vibration disease] Ermolenko AE, et al. **Gig Tr Prof Zabol** 1985 Dec;(12):23–6 (Eng. Abstr.) (Rus)
[Tissue oxygen regime and factors responsible for it in vibration disease among miners] Filin AP, et al.
Gig Tr Prof Zabol 1985 Sep;(9):16–9 (Eng. Abstr.) (Rus)
[Roentgenological examination of the bones and joints of workers exposed to intermittent vibrations transmitted through the hands] Grigorian EA, et al.
Gig Tr Prof Zabol 1986 Feb;(2):49–51 (Rus)
[Reaction of gastric glands in response to brief exposure to vibration] Iakubovich TG, et al. **Gig Tr Prof Zabol** 1985 Sep;(9):42–3 (Rus)
[Effect of noise and vibration on members of locomotive crews of modern electric locomotives] Kamenskii IuN.
Gig Tr Prof Zabol 1985 Sep;(9):38–9 (Rus)
[Local oxygen barotherapy in the treatment of patients with vibration disease] Kolesov VG, et al.
Gig Tr Prof Zabol 1986 Jun;(6):26–30 (Eng. Abstr.) (Rus)
[Characteristics of the peripheral and central hemodynamics in vibration disease of miners in Eastern Siberia] Kolesov VG, et al. **Gig Tr Prof Zabol** 1985 Oct;(10):25–8 (Rus)
[Status of calcium metabolism in vibration disease in miners] Kolomiets VV. **Gig Tr Prof Zabol** 1985 Sep;(9):13–6 (Eng. Abstr.) (Rus)
[Regulation of calcium metabolism in vibration disease: analysis of the results of hyper– and hypocalcemia tolerance tests] Kolomiets VV, et al. **Gig Tr Prof Zabol** 1985 Nov;(11):28–31 (Eng. Abstr.) (Rus)
[Changes in the rate of conduction of stimulation in the motor fibers of the peripheral nerves in vibration disease] Komleva LM. **Gig Tr Prof Zabol** 1985 Jul;(7):31–3 (Eng. Abstr.) (Rus)
[Cerebral angiodystonia syndrome in the clinical picture of vibration disease] Lagutina GN. **Gig Tr Prof Zabol** 1985 Jul;(7):25–8 (Eng. Abstr.) (Rus)
[Evaluation of peripheral vascular disorders in relation to the degree of local vibration] Milkov LE, et al.
Gig Tr Prof Zabol 1986 Jun;(6):21–3 (Eng. Abstr.) (Rus)
[Effect of vibration and hyperbaric oxygenation on the brain stem reticular formation in animals] Nenashev AA, et al.
Gig Tr Prof Zabol 1986 Apr;(4):52 (Rus)
[Status of the peripheral neurovascular system in coal miners in the transpolar regions] Russkikh LV.
Gig Tr Prof Zabol 1986 Apr;(4):50–2 (Rus)
[Viability of embryos and nestlings after the exposure of quail eggs to gamma–radiation and vibration at various times during egg storage] Mitsenko VF, et al.
Kosm Biol Aviakosm Med 1986 Mar–Apr;20(2):72–7 (Eng. Abstr.) (Rus)
[Efficacy of using sinusoidally modulated currents and ganglerone electrophoresis in vibration disease]
Kupriianova TS, et al. **Vrach Delo** 1985 Nov;(11):111–4 (Eng. Abstr.) (Rus)
[Temporary disability in vibration disease] Naumenko BS, et al. **Vrach Delo** 1986 Jul;(7):106–8 (Eng. Abstr.) (Rus)
[Pathology of the nervous system in vibration disease] Asadullaev MM. **Zh Nevropatol Psikhiatr** 1986;86(5):701–4 (Eng. Abstr.) (Rus)
[Scintigraphic changes in the bones and joints of the upper extremities in tunnel workers—drill operators with vibration disease] Mijalkov B, et al.
Arh Hig Rada Toksikol 1985 Mar;36(1):19–25 (Eng. Abstr.) (Scr)
[Vascular spasm in the hands and vibration trauma—prevention is the only therapy] Thulesius O.
Lakartidningen 1985 Aug 28;82(35):2873–7 (Eng. Abstr.) (Swe)

THERAPEUTIC USE

The influence of extrasegmental mechanical vibratory stimulation and transcutaneous electrical nerve stimulation on histamine–induced itch. Ekblom A, et al.
Acta Physiol Scand 1985 Nov;125(3):541–5
Use of a vibrostimulatory shoe as a component in the treatment of patients suffering cerebral insult. Manyakhina IV, et al. **Neurosci Behav Physiol** 1985 Nov–Dec; 15(6):480–2
Influence of naloxone on relief of acute oro–facial pain by transcutaneous electrical nerve stimulation (TENS) or vibration. Hansson P, et al. **Pain** 1986 Mar;24(3):323–9
The effect of two sites of high frequency vibration on cutaneous pain threshold. Sherer CL, et al. **Pain** 1986 Apr; 25(1):133–8
[Spinal nociceptive reflex response. Changes in the RaIII nociceptive reflex response and in lumbo–sciatic pain induced by transcutaneous electric nerve stimulation and vibrations] Casale R, et al. **Minerva Anestesiol** 1985 May; 51(5):217–23 (Ita)
[Vibration massage in genito–sexual rehabilitation of spinal cord injuries. Our experience] Beretta G, et al.
Minerva Urol Nefrol 1985 Apr–Jun;37(2):203–6 (Eng. Abstr.) (Ita)
[Use of vibration massage in the complex treatment of acute inflammatory processes in the female internal genital organs] Radionchenko AA, et al. **Akush Ginekol (Mosk)** 1985 Jul;(7):22–4 (Eng. Abstr.) (Rus)
[Use of vibration in the rehabilitation of patients with sequelae of injuries of long tubular bones] Ivanov VI, et al. **Ortop Travmatol Protez** 1985 Aug;(8):6–8 (Eng. Abstr.) (Rus)
[Use of vibratory action on the teeth to accelerate orthodontic treatment] Krishtab SI, et al.
Stomatologiia (Mosk) 1986 May–Jun;65(3):61–3 (Eng. Abstr.) (Rus)
[Effect of vibromassage of the thorax on respiratory function and pulmonary hemodynamics of children with mucoviscidosis] Kapranov NI, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 1986 May–Jun; (3):49–51 (Eng. Abstr.) (Rus)

VIBRIO

Some properties of Vibrio vulnificus hemolysin. Shinoda S, et al. **Microbiol Immunol** 1985;29(7):583–90

ANALYSIS

Characterization of anguibactin, a novel siderophore from Vibrio anguillarum 775(pJM1). Actis LA, et al.
J Bacteriol 1986 Jul;167(1):57–65
Cell–bound cations of the moderately halophilic bacterium Vibrio costicola. Shindler DB, et al. **J Bacteriol** 1977 May; 130(2):698–703
Characterization of extracellular substance of Vibrio anguillarum toxic for rainbow trout and mice. Kodama H, et al. **Microbiol Immunol** 1985;29(10):909–20
Chemical properties of thiobarbituric acid–positive substances released from photobacterial lipopolysaccharides during acid hydrolysis. Kuwae T, et al. **Microbiol Immunol** 1985;29(11):1121–9

CLASSIFICATION

A new Vibrio species, Vibrio cincinnatiensis, causing meningitis: successful treatment in an adult. Bode RB, et

al. **Ann Intern Med** 1986 Jan;104(1):55–6
Serotyping of Vibrio anguillarum. Sørensen UB, et al. **Appl Environ Microbiol** 1986 Mar;51(3):593–7
Vibrio cincinnatiensis sp. nov., a new human pathogen. Brayton PR, et al. **J Clin Microbiol** 1986 Jan;23(1):104–8
[O antigen groups of F group Vibrio] Yang ZS. **Wei Sheng Wu Hsueh Pao** 1986 Jun;26(2):191–2 **(Chi)**
[Determination of the degree of similarity of cholera and NAG vibrios] Voronezhskaia LG. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Oct;(10):11–5 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

In vitro susceptibility of pathogenic Vibrio species to norfloxacin and six other antimicrobial agents. Morris JG Jr, et al. **Antimicrob Agents Chemother** 1985 Sep; 28(3):442–5

ENZYMOLOGY

Separation of bacterial luciferase from oxidoreductases by affinity chromatography. Tsai TS. **Anal Biochem** 1985 Nov 15;151(1):137–41
Electron paramagnetic resonance studies of heme c and its nitrosyl derivative in Vibrio (Achromobacter) fischeri nitrite reductase. Sadana JC, et al. **Biochem Cell Biol** 1986 May;64(5):394–9
Bacterial luciferase: demonstration of a catalytically competent altered conformational state following a single turnover. AbouKhair NK, et al. **Biochemistry** 1985 Jul 16; 24(15):3942–7
Phosphorylation and phosphate–ATP exchange catalyzed by the ATP synthase isolated from Wolinella succinogenes. Bokranz M, et al. **Biochim Biophys Acta** 1985 Dec 16; 810(3):332–9
Production of extracellular enzymes and cytotoxicity by Vibrio vulnificus. Oliver JD, et al. **Diagn Microbiol Infect Dis** 1986 Jul;5(2):99–111
Production and partial characterization of an elastolytic protease of Vibrio vulnificus. Kothary MH, et al. **Infect Immun** 1985 Nov;50(2):534–40
Phorphorylative electron transport chains lacking a cytochrome bc1 complex. Kröger A, et al. **J Bioenerg Biomembr** 1986 Jun;18(3):225–34 (47 ref.)
Asparaginase. Wriston JC Jr. **Methods Enzymol** 1985; 113:608–18

GENETICS

Plasmid carriage in Vibrio vulnificus and other lactose-fermenting marine vibrios. Davidson LS, et al. **Appl Environ Microbiol** 1986 Jul;52(1):211–3
Chitinase determinants of Vibrio vulnificus: gene cloning and applications of a chitinase probe. Wortman AT, et al. **Appl Environ Microbiol** 1986 Jul;52(1):142–5
Mobilization of cloned luciferase genes into Vibrio harveyi luminescence mutants. Gupta SC, et al. **Arch Microbiol** 1986 Jan;143(4):325–9
Cloning of the cytotoxin-hemolysin gene of Vibrio vulnificus. Wright AC, et al. **Infect Immun** 1985 Dec; 50(3):922–4
Control of Vibrio fischeri luminescence gene expression in Escherichia coli by cyclic AMP and cyclic AMP receptor protein. Dunlap PV, et al. **J Bacteriol** 1985 Oct; 164(1):45–50
Expresaion of luciferases from Vibrio harveyi and Vibrio fischeri in filamentous cyanobacteria. Schmetterer G, et al. **J Bacteriol** 1986 Jul;167(1):411–4
Nuclectide sequence of the luxB gene of Vibrio harveyi and the complete amino acid sequence of the beta subunit of bacterial luciferase. Johnston TC, et al. **J Biol Chem** 1986 Apr 15;261(11):4805–11
Molecular epidemiology of non–O1 Vibrio cholerae and Vibrio mimicus in the U.S. Gulf Coast region. Kaper JB, et al. **J Clin Microbiol** 1986 Mar;23(3):652–4
Absence of error–prone repair in a Vibrio species. Thomson JA, et al. **J Gen Microbiol** 1985 Oct;131 (Pt 10):2595–600

GROWTH & DEVELOPMENT

Uptake and clearance of Vibrio vulnificus from Gulf coast oysters (Crassostrea virginica). Kelly MT, et al. **Appl Environ Microbiol** 1985 Dec;50(6):1548–9
Growth of Vibrio costicola and other moderate halophiles in a chemically defined minimal medium. Kamekura M, et al. **Can J Microbiol** 1985 Sep;31(9):870–2
Composition of major outer membrane proteins of Vibrio vulnificus isolates: effect of different growth media and iron deficiency. Koga T, et al. **Microbiol Immunol** 1986; 30(3):193–201

IMMUNOLOGY

Detection of anti–Vibrio vulnificus cytolysin antibodies in sera from mice and a human surviving V. vulnificus disease. Gray LD, et al. **Infect Immun** 1986 Mar;51(3):964–5
Purification and partial characterization of a non–O1 Vibrio cholerae hemolysin that cross–reacts with thermostable direct hemolysin of Vibrio parahaemolyticus. Yoh M, et al. **Infect Immun** 1986 Apr;52(1):319–22
Emergence of bactericidal and opsonizing antibody to Vibrio vulnificus following bacterial infection. Musher DM, et al. **J Clin Microbiol** 1986 Mar;23(3):411–5
Phagocytic activity of macrophages of rainbow trout against Vibrio anguillarum and the opsonising effect of antibody and complement. Honda A, et al. **Res Vet Sci** 1986 May; 40(3):328–32
Protective characteristics of the antigen common to Pseudomonas and Vibrio and significance of bacterial endotoxins in protection against selected bacterial infections. Sourek J. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1985 Jul; 259(4):538–47

ISOLATION & PURIFICATION

Vibrio anguillarum: prevalence of typical and atypical strains in marine recipients with special reference to carbohydrate pollution. Larsen JL. **Acta Vet Scand** 1985;26(4):449–60
Gastroenteritis in patients with stool isolates of Vibrio vulnificus. Johnston JM, et al. **Am J Med** 1986 Feb; 80(2):336–8
Incidence of Vibrio cholerae and related vibrios in a coastal lagoon and seawater influenced by lake discharges along an annual cycle. Garay E, et al. **Appl Environ Microbiol** 1985 Aug;50(2):426–30
Characterization and distribution of Vibrio alginolyticus and Vibrio parahaemolyticus isolated in Indonesia. Molitoris E, et al. **Appl Environ Microbiol** 1985 Dec;50(6):1388–94
Incidence of bacteremia in stressed and unstressed populations of the blue crab, Callinectes sapidus. Welsh PC, et al. **Appl Environ Microbiol** 1985 Aug;50(2):420–5
Identification of Vibrio vulnificus by indirect immunofluorescence. Gray LD, et al. **Diagn Microbiol Infect Dis** 1985 Nov;3(6):461–8
Quantitative studies on Vibrio parahaemolyticus in finfish & crustaceans. Nair GB. **Indian J Med Res** 1985 Oct; 82:281–5
Seasonal distribution of facultatively enteropathogenic vibrios (Vibrio cholerae, Vibrio mimicus, Vibrio parahaemolyticus) in the freshwater of the Elbe River at Hamburg. Bockemühl J, et al. **J Appl Bacteriol** 1986 May; 60(5):435–42
Modified taurocholate–tellurite–gelatin agar for improved differentiation of Vibrio species. O'Brien M, et al. **J Clin Microbiol** 1985 Dec;22(6):1011–3
A strain of urease–producing Vibrio parahaemolyticus isolated in Malaysia [letter] Jegathesan M, et al. **J Diarrhoeal Dis Res** 1985 Sep;3(3):162
Preliminary analyses on persistence of Vibrio parahaemolyticus in a brackish water clam, Corbicula japonica. Kumazawa NH, et al. **Nippon Juigaku Zasshi** 1986 Apr;48(2):267–71
Isolations of "group F vibrios" from human stoolsLam SY, et al. **Singapore Med J** 1985 Jun;26(3):300–2
[Isolation of Vibrio fluvialis from the feces of patients with diarrhea] Chen GL. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1985 Dec; 6(6):339–43 (Eng. Abstr.) **(Chi)**
[Exposition of technics for the routine diagnosis of enteric bacteria. 1. A Clark–Lubs acetate medium for the Voges–Proskauer reaction] Poittevin F, et al. **Arch Inst Pasteur Alger** 1980;54:7–18 (Eng. Abstr.) **(Fre)**
[Frequency of pathogenic and potentially pathogenic enterobacteria including non–0:1 (NAG) vibrios in the context of a survey of acute diarrheal diseases in Moldavia (1981–1983)] Buzdugan I, et al. **Rev Ig [Bacteriol]** 1985 Apr–Jun;30(2):131–40 (Eng. Abstr.) **(Rus)**

METABOLISM

N–ethylmaleimide desensitizes pH–dependence of K+/H+ antiporter in a marine bacterium, Vibrio alginolyticus. Nakamura T, et al. **Biochem Biophys Res Commun** 1986 May 14;136(3):1030–5
Evidence for the presence of a novel biosynthetic pathway for norspermidine in Vibrio. Yamamoto S, et al. **Can J Microbiol** 1986 Feb;32(2):99–103
Esculin hydrolysis by Vibrio vulnificus. Tison DL. **Diagn Microbiol Infect Dis** 1986 Jan;4(1):49–51
Luciferase–dependent oxygen consumption by bioluminescent vibrios. Makemson JC. **J Bacteriol** 1986 Feb;165(2):461–6
Occurrence of tetrodotoxin and anhydrotetrodotoxin in Vibrio sp. isolated from the intestines of a xanthid crab, Atergatis floridus. Noguchi T, et al. **J Biochem (Tokyo)** 1986 Jan;99(1):311–4
Generation of Na+ electrochemical potential by the Na+–motive NADH oxidase and Na+/H+ antiport system of a moderately halophilic Vibrio costicola. Udagawa T, et al. **J Biol Chem** 1986 Feb 25;261(6):2616–22
Plasmids mediating iron uptake in Vibrio anguillarum strains isolated from turbot in Spain. Tolmasky ME, et al. **J Gen Microbiol** 1985 Aug;131 (Pt 8):1989–97
Sodium translocation by NADH oxidase of Vibrio alginolyticus: isolation and characterization of the sodium pump–defective mutants. Tokuda H. **Methods Enzymol** 1986;125:520–30
[Cholera and NAG vibrio utilization of different C–containing substrates in Hiss media and a medium with a limited mineral content] Voronezhskaia LG. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Oct;(10):8–11 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

Virulence of Vibrio vulnificus strains from marine environments. Tison DL, et al. **Appl Environ Microbiol** 1986 May;51(5):1004–6
Enterotoxigenic properties of Vibrio fluvialis (group F vibrio) isolated from clinical and environmental sources. Huq MI, et al. **J Diarrhoeal Dis Res** 1985 Jun;3(2):96–9

PHYSIOLOGY

Properties of new marine bactericidal Microvibrios. Finance C, et al. **Arch Roum Pathol Exp Microbiol** 1985 Apr–Jun; 44(2):99–108
The sodium cycle. II. Na+–coupled oxidative phosphorylation in Vibrio alginolyticus cells. Dibrov PA, et al. **Biochim Biophys Acta** 1986 Jul 23;850(3):458–65
The sodium cycle. I. Na+–dependent motility and modes of membrane energization in the marine alkalotolerant vibrio Alginolyticus. Dibrov PA, et al. **Biochim Biophys Acta** 1986 Jul 23;850(3):449–57

ULTRASTRUCTURE

The sodium cycle. III. Vibrio alginolyticus resembles Vibrio cholerae and some other vibriones by flagellar motor and ribosomal 5S–RNA structures. Bakeeva LE, et al. **Biochim Biophys Acta** 1986 Jul 23;850(3):466–72

VIBRIO CHOLERAE

see related

CHOLERA TOXIN

Infection by cholerasphage phi 138: bacteriophage DNA and replicative intermediates. Chowdhury R, et al. **J Virol** 1986 Mar;57(3):960–7
[Comparative study of the action of Vibrio cholerae enterotoxin, thermolabile Escherichia coli toxin and a Salmonella typhimurium filtrate on the small intestine of laboratory animals] Gallonskaia IN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Nov;(11):10–4 (Eng. Abstr.) **(Rus)**

ANALYSIS

Electrophoretic resolution of microheterogeneity in Vibrio cholerae lipopolysaccharide. Ghosh S, et al. **Biosci Rep** 1985 Sep;5(9):761–4
Amino acid sequence of heat–stable enterotoxin produced by Vibrio cholerae non–01. Takao T, et al. **FEBS Lett** 1985 Dec 2;193(2):250–4
Purification and characterization of Vibrio cholerae non–O1 heat–stable enterotoxin. Arita M, et al. **Infect Immun** 1986 Apr;52(1):45–9
Identity of hemolysins produced by Vibrio cholerae non–O1 and V. cholerae O1, biotype El Tor. Yamamoto K, et al. **Infect Immun** 1986 Mar;51(3):927–31

CLASSIFICATION

Bacteriocin typing of non group 0:1 Vibrio cholerae strains by means of a new selected set of homologous indicators. Israil A, et al. **Arch Roum Pathol Exp Microbiol** 1985 Apr–Jun;44(2):109–18
Enzyme markers for Vibrio cholerae: identification of classical, El Tor and environmental strains. Momen H, et al. **Trans R Soc Trop Med Hyg** 1985;79(6):773–6
[Substantiation of the necessity of developing a single set of phages for serotyping of Vibrio cholerae] Arutiunov Iul, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Sep; (9):37–40 (Eng. Abstr.) **(Rus)**
[Disputed taxonomic problems of Vibrio cholerae] Libinzon AE, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Oct; (10):76–81 (42 ref.) **(Rus)**
[Determination of the degree of similarity of cholera and NAG vibrios] Voronezhskaia LG. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Oct;(10):11–5 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Transposable resistance to trimethoprim and 0/129 in Vibrio cholerae. Goldstein F, et al. **J Antimicrob Chemother** 1986 May;17(5):559–69
Plasmid trimethoprim resistance in Vibrio cholerae: migration of the type I dihydrofolate reductase gene out of the Enterobacteriaceae. Young HK, et al. **J Antimicrob Chemother** 1986 Jun;17(6):697–703
Clonal spread of multiply resistant strains of Vibrio cholerae O1 in Somalia [letter] Maimone F, et al. **J Infect Dis** 1986 Apr;153(4):802–3
The effect of lincomycin on exoprotein production by Vibrio cholerae. Young DB, et al. **J Med Microbiol** 1986 Feb; 21(1):13–7
[Formation of drug resistance in Vibrio cholerae of non–O1 group inhabitating surface–water reservoirs] Tichomirov ED, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Sep; (9):40–6 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Kinetic mechanisms of two NAD:arginine ADP–ribosyltransferases: the soluble, salt–stimulated transferase from turkey erythrocytes and choleragen, a toxin from Vibrio cholerae. Osborne JC Jr, et al. **Biochemistry** 1985 Sep 10;24(19):5235–40
Tryptophanase activity in different toxigenic and nontoxigenic strains of Vibrio cholerae: effect of glucose. Chakraborti MK, et al. **Microbiologica** 1985 Oct;

8(4):347–53
Effect of extracellular protease production on bacteriophage sensitivity of Vibrio cholerae. Young DB, et al. **Trans R Soc Trop Med Hyg** 1985;79(5):687–9
[Use of neuraminidase for improving the properties of the erythrocytic ganglioside diagnosticum] Dolmatova LA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Sep;(9):35–7 (Eng. Abstr.) **(Rus)**

GENETICS

Genetic basis of trimethoprim and O/129 resistance in Vibrio cholerae. Gerbaud G, et al. **Ann Inst Pasteur Microbiol** 1985 Nov–Dec;136B(3):265–73
Cholera toxin: genetic analysis, regulation, and role in pathogenesis. Mekalanos JJ. **Curr Top Microbiol Immunol** 1985;118:97–118 (95 ref.)
Immunological detection of cloned antigenic genes of Vibrio cholerae in Escherichia coli. Srivastava R, et al. **Gene** 1985; 40(2–3):267–72
Molecular cloning and expression in Escherichia coli K–12 of the gene for a hemagglutinin from Vibrio cholerae. Franzon VL, et al. **Infect Immun** 1986 Apr;52(1):279–84
Effect of a recA mutation on cholera toxin gene amplification and deletion events. Goldberg I, et al. **J Bacteriol** 1986 Mar;165(3):723–31
Cloning of the Vibrio cholerae recA gene and construction of a Vibrio cholerae recA mutant. Goldberg I, et al. **J Bacteriol** 1986 Mar;165(3):715–22
Isolation and characterization of the Vibrio cholerae recA gene. Hamood AN, et al. **J Bacteriol** 1986 Jul;167(1):375–8
Molecular epidemiology of non–O1 Vibrio cholerae and Vibrio mimicus in the U.S. Gulf Coast region. Kaper JB, et al. **J Clin Microbiol** 1986 Mar;23(3):652–4
Evidence that a system similar to the recA system of Escherichia coli exists in Vibrio cholerae. Ghosh RK, et al. **MGG** 1985;200(3):439–41
Cellular localization and export of the soluble haemolysin of Vibrio cholerae El Tor. Mercurio A, et al. **MGG** 1985; 200(3):472–5
Cloning and expression in Escherichia coli of a recA–like gene from Vibrio cholerae. Paul K, et al. **MGG** 1986 Apr; 203(1):58–63
[Gene mutation and transfer caused by plasmid RP4::Mu in Vibrio cholerae] Su GF, et al. **Wei Sheng Wu Hsueh Pao** 1985 Sep;25(3):239–44 (Eng. Abstr.) **(Chi)**
[Inheritance and expression of the restrictive activity of plasmids coding EcoRI restrictase in Vibrio cholerae cells] Evdokimova NM, et al. **Biull Eksp Biol Med** 1985 Oct; 100(10):472–4 (Eng. Abstr.) **(Rus)**
[Genetic mapping of the regulatory gene determining the synthesis of enterotoxin in Vibrio cholerae] Smirnova NI, et al. **Genetika** 1986 Mar;22(3):399–405 (Eng. Abstr.) **(Rus)**
[Construction of a genetic map of the chromosome of Vibrio cholerae based on conjugational crossings] Smirnova NI, et al. **Genetika** 1985 Jul;21(7):1090–8 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Role of cholera toxin in enteric colonization by Vibrio cholerae O1 in rabbits. Pierce NF, et al. **Infect Immun** 1985 Dec;50(3):813–6
[2–cycle culture of Vibrio cholerae in a fermenter] Nenkov PKh, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Jul; (7):21–4 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Impact of epidemic cholera in a previously uninfected island population: evaluation of a new seroepidemiologic method. Harris JR, et al. **Am J Epidemiol** 1986 Mar;123(3):424–30
Molecular cloning and expression in Escherichia coli K–12 of the O antigens of the Inaba and Ogawa serotypes of the Vibrio cholerae O1 lipopolysaccharides and their potential for vaccine development. Manning PA, et al. **Infect Immun** 1986 Aug;53(2):272–7
Lipopolysaccharide structures in Enterobacteriaceae, Pseudomonas aeruginosa, and Vibrio cholerae are immunologically related to Campylobacter spp. Perez–Perez GI, et al. **Infect Immun** 1986 Jan;51(1):204–8
Purification and partial characterization of a non–O1 Vibrio cholerae hemolysin that cross–reacts with thermostable direct hemolysin of Vibrio parahaemolyticus. Yoh M, et al. **Infect Immun** 1986 Apr;52(1):319–22
M cell transport of Vibrio cholerae from the intestinal lumen into Peyer's patches: a mechanism for antigen sampling and for microbial transepithelial migration. Owen RL, et al. **J Infect Dis** 1986 Jun;153(6):1108–18
Antibacterial immunity to Vibrio cholerae in rats. Cooper GN, et al. **J Med Microbiol** 1986 Sep;22(2):133–41
Effect of carrier on the immunogenic capacity of synthetic cholera vaccine. Jacob CO, et al. **Mol Immunol** 1985 Dec; 22(12):1333–9
Antibodies to cholera toxin synthetic peptides of increasing size and their reactivity with related toxins. Jacob CO, et al. **Vaccine** 1986 Jun;4(2):95–8
[Effect of Vibrio cholerae toxoid on the levels of antibodies of the IgG, IgA and IgM classes in rabbits] Aleksandrowicz J, et al. **Med Dosw Mikrobiol** 1986;38(1):15–22 (Eng. Abstr.) **(Pol)**
[Preparation and use of magnetic sorbents for studying microorganism antigens] Pushkar' VG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Dec;(12):30–5 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Incidence of Vibrio cholerae and related vibrios in a coastal lagoon and seawater influenced by lake discharges along an annual cycle. Garay E, et al. **Appl Environ Microbiol** 1985 Aug;50(2):426–30
Isolation of non–O1 Vibrio cholerae serovars from surface waters in western Colorado. Rhodes JB, et al. **Appl Environ Microbiol** 1986 Jun;51(6):1216–9
Seasonal distribution of facultatively enteropathogenic vibrios (Vibrio cholerae, Vibrio mimicus, Vibrio parahaemolyticus) in the freshwater of the Elbe River at Hamburg. Bockemühl J, et al. **J Appl Bacteriol** 1986 May; 60(5):435–42
Persistence of cholera in the United States: isolation of Vibrio cholerae O1 from a patient with diarrhea in Maryland. Lin FY, et al. **J Clin Microbiol** 1986 Mar;23(3):624–6
Isolation of non–O1 Vibrio cholerae associated with enteric disease of herbivores in western Colorado. Rhodes JB, et al. **J Clin Microbiol** 1985 Oct;22(4):572–5
An evaluation of alkaline peptone water for enrichment of Vibrio cholerae in feces. Lesmana M, et al. **Southeast Asian J Trop Med Public Health** 1985 Jun; 16(2):265–7
[Characteristic of Vibrio cholerae O1 isolated in the Aja River] Iwanaga M, et al. **Kansenshogaku Zasshi** 1985 Jun; 59(6):551–8 (Eng. Abstr.) **(Jpn)**

METABOLISM

Effects of microcosm salinity and organic substrate concentration on production of Vibrio cholerae enterotoxin. Tamplin ML, et al. **Appl Environ Microbiol** 1986 Aug;52(2):297–301
Isolation and characterization of a cytolysin produced by Vibrio cholerae serogroup non–O1. McCardell BA, et al. **Can J Microbiol** 1985 Aug;31(8):711–20
Bacteriophage CP–T1 of Vibrio cholerae. Identification of the cell surface receptor. Guidolin A, et al. **Eur J Biochem** 1985 Nov 15;153(1):89–94
Factors affecting the adsorption of choleraphage phi 149 to its host Vibrio cholerae 154. Bhattacharyya R, et al. **Indian J Med Res** 1986 Mar;83:251–6
Inhibition of cholera toxin production by thiols in Vibrio cholerae. Shimamura T, et al. **Infect Immun** 1986 Sep; 53(3):700–1
New medium for the production of cholera toxin by Vibrio cholerae O1 biotype El Tor. Iwanaga M, et al. **J Clin Microbiol** 1985 Sep;22(3):405–8
Regulation of toxin biosynthesis by plasmids in Vibrio cholerae. Khan AA, et al. **J Gen Microbiol** 1985 Oct;131 (Pt 10):2653–7
Presence of hemagglutinin/protease and other potential virulence factors in O1 and non–O1 Vibrio cholerae. Booth BA, et al. **J Infect Dis** 1986 Jul;154(1):183–6
A CAMP phenomenon between Vibrio cholerae biotype El Tor and staphylococcal B–hemolysin. Lesmana M, et al. **Southeast Asian J Trop Med Public Health** 1985 Jun; 16(2):261–4
[Studies on a cytotoxic principle of non–O1 Vibrio cholerae] Gyobu Y, et al. **Kansenshogaku Zasshi** 1985 May; 59(5):464–70 (Eng. Abstr.) **(Jpn)**
[Requirement of cyclic 3',5'–monophosphate in the production of a permeability increasing factor by Vibrio cholerae] Ito T, et al. **Nippon Saikingaku Zasshi** 1986 May; 41(3):603–10 (Eng. Abstr.) **(Jpn)**
[Cholera and NAG vibrio utilization of different C–containing substrates in Hiss media and a medium with a limited mineral content] Voronezhskaia LG. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Oct;(10):8–11 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

Plasmid–mediated changes in virulence of Vibrio cholerae. Hamood AN, et al. **Infect Immun** 1986 May;52(2):476–83
The impact of physico–chemical stress on the toxigenicity of Vibrio cholerae. Miller CJ, et al. **J Hyg (Lond)** 1986 Feb;96(1):49–57
Virulence mechanisms associated with clinical isolates of non–O1 Vibrio cholerae. Shehabi AA, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Apr; 261(2):232–9
Enterotoxigenicity of clinical isolates of non–O1 Vibrio cholerae. Shehabi AA, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1985 Nov; 260(3):311–8
[Heterogeneity and variability of Vibrio cholerae eltor populations and their role in the development of epidemic processes] Beliakov VD, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Feb;(2):91–7 (56 ref.) **(Rus)**

VIBRIO COMMA see **VIBRIO CHOLERAE**

VIBRIO FETUS see **CAMPYLOBACTER FETUS**

VIBRIO INFECTIONS

Vibrio parahaemolyticus osteomyelitis of 12 years' duration. Roland F, et al. **RI Med J** 1985 Dec;68(12):553–5
Non–01 Vibrio cholerae septicaemia [letter] Lopez–Brea M, et al. **Trans R Soc Trop Med Hyg** 1985;79(6):878–9
Inland presentation of Vibrio vulnificus primary septicemia and necrotizing fasciitis. Jenkins RD, et al. **West J Med** 1986 Jan;144(1):78–80

DIAGNOSIS

[The Kovacs test in the differential bacteriological diagnosis of enteral microorganisms. Its practical value—limits] Ciufecu C, et al. **Rev Ig [Bacteriol]** 1985 Apr–Jun; 30(2):155–60 (Eng. Abstr.) **(Rum)**
[New type of wound infection and sepsis caused by the marine vibrio V. vulnificus] Agoev AK. **Arkh Patol** 1985; 47(8):89–92 (23 ref.) (Eng. Abstr.) **(Rus)**
[Clinical aspects of acute intestinal infection caused by Vibrio parahaemolyticus] Shevchuk VB, et al. **Vrach Delo** 1986 Jun;(6):114–6 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Vibrio fluvialis and gastroenteritis [letter] Spellman JR, et al. **Ann Intern Med** 1986 Aug;105(2):294–5
Intracranial infection by Vibrio alginolyticus following injury in salt water. Opal SM, et al. **J Clin Microbiol** 1986 Feb; 23(2):373–4
Soft tissue infections in Florida due to marine vibrio bacteria. Howard R, et al. **J Fla Med Assoc** 1986 Jan;73(1):29–34
Vibro hollisae septicemia after consumption of catfish [letter] Lowry PW, et al. **J Infect Dis** 1986 Oct;154(4):730–1

IMMUNOLOGY

Emergence of bactericidal and opsonizing antibody to Vibrio vulnificus following bacterial infection. Musher DM, et al. **J Clin Microbiol** 1986 Mar;23(3):411–5

MICROBIOLOGY

Gastroenteritis in patients with stool isolates of Vibrio vulnificus. Johnston JM, et al. **Am J Med** 1986 Feb; 80(2):336–8
A new Vibrio species, Vibrio cincinnatiensis, causing meningitis: successful treatment in an adult. Bode RB, et al. **Ann Intern Med** 1986 Jan;104(1):55–6
Identification of Vibrio vulnificus by indirect immunofluorescence. Gray LD, et al. **Diagn Microbiol Infect Dis** 1985 Nov;3(6):461–8
Vibrio cincinnatiensis sp. nov., a new human pathogen. Brayton PR, et al. **J Clin Microbiol** 1986 Jan;23(1):104–8
Vibrio damsela: another potentially virulent marine vibrio. Coffey JA Jr, et al. **J Infect Dis** 1986 Apr;153(4):800–2
A mucoid, sucrose–positive Vibrio parahaemolyticus strain isolated from diarrhoeal stool. Lam S. **Singapore Med J** 1985 Oct;26(6):479–81

PATHOLOGY

Hemorrhagic bullae associated with Vibrio vulnificus septicemia. Report of two cases. Tyring SK, et al. **Arch Dermatol** 1986 Jul;122(7):818–20

PREVENTION & CONTROL

Protective characteristics of the antigen common to Pseudomonas and Vibrio and significance of bacterial endotoxins in protection against selected bacterial infections. Sourek J. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1985 Jul; 259(4):538–47

VETERINARY

An infection by Vibrio alginolyticus in an Atlantic bottlenose dolphin housed in an open ocean pen. Schroeder JP, et al. **J Wildl Dis** 1985 Oct;21(4):437–8

VIBRIO PARAHAEMOLYTICUS

ANALYSIS

[Assay and survival of Vibrio parahaemolyticus in environmental samples] Spanò AM, et al. **Boll Soc Ital Biol Sper** 1985 Aug 30;61(8):1141–5 (Eng. Abstr.) **(Ita)**
[Chemical properties of O–antigenic lipopolysaccharides isolated from Vibrio parahaemolyticus O2 and O9, in particular, the separation and identification of 2–keto–3–deoxy–5–phosphoryl–octonate found in their strong acid–hydrolysates] Tsai B, et al. **Nippon Saikingaku Zasshi** 1986 Mar;41(2):541–5 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Mechanisms of plasmid–mediated antibiotic resistances in Vibrio parahaemolyticus. Hasegawa H, et al. **Microbiol Immunol** 1986;30(5):437–44

GENETICS

Regulation of lateral flagella gene transcription in Vibrio parahaemolyticus. Belas R, et al. **J Bacteriol** 1986 Jul; 167(1):210–8
Synthetic oligodeoxyribonucleotide probes to detect Kanagawa phenomenon–positive Vibrio parahaemolyticus. Nishibuchi M, et al. **J Clin Microbiol** 1986 Jun;23(6):1091–5

GROWTH & DEVELOPMENT

Survival of Kanagawa-positive strains of Vibrio parahaemolyticus in a brackish-water area. Kumazawa NH, et al. **J Hyg (Lond)** 1985 Oct;95(2):299–307

IMMUNOLOGY

Enzyme-linked immunosorbent assays for detection of thermostable direct hemolysin of Vibrio parahaemolyticus. Honda T, et al. **J Clin Microbiol** 1985 Sep;22(3):383–6

ISOLATION & PURIFICATION

Serotypes of Vibrio parahaemolyticus isolates from hydrobiologically dissimilar aquatic environments. Nair GB, et al. **Appl Environ Microbiol** 1985 Sep;50(3):724–6

[Isolation of Vibrio parahaemolyticus from corbina (Cynoscion squamipennis) in the Gulf of Nicoya, Costa Rica] García V, et al. **Rev Latinoam Microbiol** 1986 Jan–Mar;28(1):85–8 (Eng. Abstr.) **(Spa)**

METABOLISM

Purification of the thermostable direct hemolysin of Vibrio parahaemolyticus by immunoaffinity column chromatography. Honda T, et al. **Can J Microbiol** 1986 Jan;32(1):71–3

Evidence for the presence of a novel biosynthetic pathway for norspermidine in Vibrio. Yamamoto S, et al. **Can J Microbiol** 1986 Feb;32(2):99–103

[Enterotoxin-like factor(s) produced by Vibrio parahaemolyticus] Kimura K. **Hokkaido Igaku Zasshi** 1986 Jan;61(1):24–34 (Eng. Abstr.) **(Jpn)**

PATHOGENICITY

Comparison of the modified Elek test and Wagatsuma agar for determination of the Kanagawa phenomenon of Vibrio parahaemolyticus. Nair GB, et al. **J Clin Microbiol** 1985 Nov;22(5):868–9

PHYSIOLOGY

Survival of Vibrio parahaemolyticus in cold smoked fish. Karunasagar I, et al. **Antonie Van Leeuwenhoek** 1986; 52(2):145–52

VIBRIONACEAE

Septicaemin and pleural effusion due to Plesiomonas shigelloides. Humphreys H, et al. **Postgrad Med J** 1986 Jul;62(729):663–4

CLASSIFICATION

Feasibility of same-day identification of members of the family Vibrionaceae by the API 20E system. Overman TL, et al. **J Clin Microbiol** 1986 Apr;23(4):715–7

Comparison of API 20E, API rapid E, and API rapid NFT for identification of members of the family Vibrionaceae. Overman TL, et al. **J Clin Microbiol** 1985 Nov;22(5):778–81

ENZYMOLOGY

[Metabolic traits of Plesiomonas shigelloides strains isolated from children with acute enteritis] Constantiniu S, et al. **Rev Ig [Bacteriol]** 1985 Jul–Sep;30(3):241–4 **(Rum)**

GENETICS

Nuclease S1 analysis of eubacterial 5S rRNA secondary structure. MacDonell MT, et al. **J Mol Evol** 1985; 22(3):237–42

IMMUNOLOGY

New O and H antigens and additional serovars of Plesiomonas shigelloides. Shimada T, et al. **Jpn J Med Sci Biol** 1985 Apr;38(2):73–6

ISOLATION & PURIFICATION

Plesiomonas gastroenteritis in Texas [letter] Martin DL, et al. **JAMA** 1985 Oct 18;254(15):2063

[A case of Plesiomonas shigelloides septicemia complicated with multiple myeloma] Hosaka M, et al. **Kansenshogaku Zasshi** 1985 Nov;59(11):1154–8 (Eng. Abstr.) **(Jpn)**

[Identification of a selective immobilization process and its use in isolating Vibrionaceae] Marica D. **Rev Ig [Bacteriol]** 1986 Jan–Mar;31(1):29–33 (Eng. Abstr.) **(Rum)**

[Allomonas—a new group of microorganisms of the Vibrionaceae family. Allomonas enterica in seawater and various hydrobiotas] Davyborshch SG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Sep;(9):26–9 (Eng. Abstr.) **(Rus)**

VIBRISSAE

Early substitution of whiskerpad by dorsal skin, cornea and palm of forepaw thoroughly modifies structure of barrelfield in mice. Andrés FL. **Anat Embryol (Berl)** 1985; 173(2):157–61

The role of the principal sensory nucleus in central trigeminal pattern formation. Killackey HP, et al. **Brain Res** 1985 Sep; 354(1):141–5

A comparison of receptive field properties of vibrissa neurons between the rat thalamic reticular and ventro-basal nuclei. Shosaku A. **Brain Res** 1985 Nov 11;347(1):36–40

Transganglionic degeneration in vibrissae innervating primary sensory neurons of the rat: a light and electron microscopic study. Arvidsson J. **J Comp Neurol** 1986 Jul 15;249(3):392–403

Cytoarchitectonic and quantitative characteristics of cell groups of layer IV of the rat cerebral cortex in the region of representation of vibrissae. Lapenko TK. **Neurosci Behav Physiol** 1985 Jul–Aug;15(4):325–9

Metabolic and structural correlates of the vibrissae representation in the thalamus of the adult rat. Land PW, et al. **Neurosci Lett** 1985 Oct 10;60(3):319–24

ABNORMALITIES

Selective breeding for variations in patterns of mystacial vibrissae of mice. Bilaterally symmetrical strains derived from ICR stock. Van der Loos H, et al. **J Hered** 1986 Mar–Apr;77(2):66–82

ANATOMY & HISTOLOGY

Degeneration and regeneration of peripheral nerve in the rat trigeminal system. I. Identification and characterization of the multiple afferent innervation of the mystacial vibrissae. Renehan WE, et al. **J Comp Neurol** 1986 Apr 1;246(1):129–45

INNERVATION

A magnetic device to stimulate selected whiskers of freely moving or restrained small rodents: its application in a deoxyglucose study. Melzer P, et al. **Brain Res** 1985 Dec 2;348(2):229–40

PHYSIOLOGY

Metabolic activity in SmI cortical barrels of adult rats is dependent on patterned sensory stimulation of the mystacial vibrissae. Land PW, et al. **Brain Res** 1985 Aug 19; 341(1):189–94

Expansion of receptive fields in the mouse cortical barrelfield after administration of capsaicin to neonates or local application on the infraorbital nerve in adults. Nussbaumer JC, et al. **Brain Res** 1985 Dec 23;360(1–2):1–9

Neuronal plasticity in the nigrostriatal system of the rat after unilateral removal of vibrissae. Huston JP, et al. **Exp Neurol** 1986 Aug;93(2):380–9

Structure–function relationships in rat brainstem subnucleus interpolaris. I. Vibrissa primary afferents. Jacquin MF, et al. **J Comp Neurol** 1986 Jan 8;243(2):266–79

Synaptic connections of callosal projection neurons in the vibrissal region of mouse primary motor cortex: an electron microscopic/horseradish peroxidase study. Porter LL, et al. **J Comp Neurol** 1986 Jun 22;248(4):573–87

The facial "motor" nerve of the rat: control of vibrissal movement and examination of motor and sensory components. Semba K, et al. **J Comp Neurol** 1986 May 8;247(2):144–58

Processing of vibrissa sensory information within the rat neocortex. Ito M. **J Neurophysiol** 1985 Sep;54(3):479–90

Structure–function relationships in rat medullary and cervical dorsal horns. I. Trigeminal primary afferents. Jacquin MF, et al. **J Neurophysiol** 1986 Jun;55(6):1153–86

Structure–function relationships in rat medullary and cervical dorsal horns. II. Medullary dorsal horn cells. Renehan WE, et al. **J Neurophysiol** 1986 Jun;55(6):1187–201

Temporal and spatial integration in the rat SI vibrissa cortex. Simons DJ. **J Neurophysiol** 1985 Sep;54(3):615–35

Effect of a uniform partial denervation of the periphery on the peripheral and central vibrissal system in guinea pigs. Sikich L, et al. **J Neurosci** 1986 May;6(5):1227–40

The role of vibrissae in behavior: a status review. Ahl AS. **Vet Res Commun** 1986 Jul;10(4):245–68 (86 ref.)

[Various essential aspects of the somesthetic system] Dörfl J. **Rev Med Suisse Romande** 1986 Mar;106(3):253–8 **(Fre)**

[Evaluation of the contribution of intracortical inhibition to the formation of properties of the receptive fields of neurons] Aleksandrov AA, et al. **Fiziol Zh** 1985 Sep–Oct; 31(5):592–8 (Eng. Abstr.) **(Rus)**

[Neuronal organization of inhibition in columns of the somatic cortex in the rat] Sukhov AG, et al. **Fiziol Zh** 1985 Sep–Oct;31(5):584–9 (Eng. Abstr.) **(Rus)**

[Distribution of blood flow in the somatosensory region of the cortex of the rabbit during stimulation of its vibrissae] Kilibaeva GS. **Fiziol Zh SSSR** 1985 Sep;71(9):1166–9 **(Rus)**

[Effect of local cooling of the neocortex on motor responses evoked by intracortical microstimulation in the rabbit] Lenkov DN, et al. **Fiziol Zh SSSR** 1985 Nov;71(11):1321–8 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

[Microscopic innervation of the vibrissae of the vestibulum nasi] Galán Cortés JC. **An Otorrinolaringol Ibero Am** 1986; 13(3):267–74 (Eng. Abstr.) **(Spa)**

VIBROCARDIOGRAPHY see **KINETOCARDIOGRAPHY**

VIDARABINE

ADMINISTRATION & DOSAGE

Induction of complete remission in T-cell acute lymphoblastic leukemia with deoxycoformycin (dcf) and 9-beta-D-arabinofuranosyladenine (ara-A). Yu AL, et al. **Adv Exp Med Biol** 1986;195 Pt A:491–6

Efficacy of 5-methoxymethyl-2'-deoxyuridine in combination with arabinosyladenine for the treatment of primary herpes simplex genital infection of mice and guinea pigs. Ayisi NK, et al. **Antiviral Res** 1986 Jan;6(1):33–47

ADVERSE EFFECTS

Vidarabine-associated encephalopathy and myoclonus. Vilter RW. **Antimicrob Agents Chemother** 1986 May;29(5):933–5

ANALOGS & DERIVATIVES

Column-switching high-performance liquid chromatographic method for determination of a new antiviral agent, cyclaradine, in serum. Lim JM, et al. **Antimicrob Agents Chemother** 1986 Jun;29(6):977–9

Incorporation of 9-beta-D-arabinofuranosyl-2-fluoroadenine into HL-60 cellular RNA and DNA. Spriggs D, et al. **Biochem Pharmacol** 1986 Jan 15;35(2):247–52

Influence of 1-dodecylazacycloheptan-2-one (Azone) on the topical therapy of cutaneous herpes simplex virus type 1 infection in hairless mice with 2',3'-di-O-acetyl-9-beta-D-arabinofuranosyladenine and 5'-O-valeryl-9-beta-D-arabinofuranosyladenine. Shannon WM, et al. **J Pharm Sci** 1985 Nov;74(11):1157–61

ANALYSIS

High-pressure liquid chromatographic methods for determining arabinosyladenine-5'-monophosphate, arabinosyladenine, and arabinosylhypoxanthine in plasma and urine. McCann WP, et al. **Antimicrob Agents Chemother** 1985 Aug;28(2):265–73

BIOSYNTHESIS

[Preparative synthesis of the antiviral nucleoside 9-beta-D-arabinofuranosyladenine by using bacterial cells] ERoshevskaia LA, et al. **Antibiot Med Biotekhnol** 1986 Mar;31(3):174–8 (Eng. Abstr.) **(Rus)**

METABOLISM

Heterogeneous uptake of 9-beta-D-arabinofuranosyladenine by mouse spleen lymphocytes. Almeida AF. **Can J Physiol Pharmacol** 1985 Sep;63(9):1175–81

PHARMACODYNAMICS

Effects of adenine arabinoside and corticosteroid on replication of duck hepatitis B virus DNA in the liver. Hirota K, et al. **Ann Acad Med Singapore** 1986 Apr; 15(2):227–32

Inhibition of adenosine deaminase to increase the antitumor activity of adenine nucleoside analogues. Plunkett W. **Ann NY Acad Sci** 1985;451:150–9

Comparative activities of combinations of acyclovir, vidarabine or its 5'-monophosphate, and cloned human interferons against herpes simplex virus type 2 in human and mouse fibroblast cultures. Crane LR, et al. **Antiviral Res** 1985 Dec;5(6):325–33

Basic biochemical and pharmacological aspects of antiviral agents. Prusoff WH, et al. **Antiviral Res** 1985;Suppl 1:1–10 (22 ref.)

Cellular retention of 9-beta-D-arabinofuranosyladenine 5'-triphosphate and the pattern of recovery of DNA synthesis in Chinese hamster ovary cells. Shewach DS, et al. **Cancer Res** 1986 Apr;46(4 Pt 1):1581–4

Chinese hamster ovary cell mutants resistant to DNA polymerase inhibitors. I. Isolation and biochemical genetic characterization. Vishwanatha JK, et al. **MGG** 1985; 200(3):393–400

Chinese hamster ovary cell mutants resistant to DNA polymerase inhibitors. II. Segregational analysis and DNA transfection of the aphr gene. Vishwanatha JK, et al. **MGG** 1985;200(3):401–6

Independent forms of potentially lethal damage fixed in plateau-phase Chinese hamster cells by postirradiation treatment in hypertonic salt solution or araA. Iliakis G, et al. **Radiat Res** 1985 Dec;104(3):329–45

Evidence for similarities between radiation damage expressed by beta-araA and damage involved in the interaction effect observed after exposure of V79 cells to mixed neutrons and gamma radiation. Iliakis G, et al. **Radiat Res** 1985 Dec; 104(3):303–16

THERAPEUTIC USE

SIADH during disseminated Herpes varicella-zoster infections: relationship to vidarabine therapy. Semel JD, et al. **Am J Med Sci** 1986 Feb;291(2):115–8

Treatment and prevention of virus infections in immunosuppressed patients. Lietman PS, et al. **Antiviral Res** 1985;Suppl 1:241–50 (25 ref.)

Randomised double-blind trial of acyclovir (Zovirax) and adenine arabinoside in herpes simplex amoeboid corneal ulceration. Collum LM, et al. **Br J Ophthalmol** 1985 Nov;

69(11):847–50
Effects of adenine arabinoside on cellular immune responses in patients with chronic hepatitis B. Hyodo I, et al. **Gastroenterol Jpn** 1986 Jun;21(3):220–7
Treatment of HBsAg-,HBeAg-positive chronic active hepatitis with adenine arabinoside. A case report with clinical remission and seroconversion to anti-HBs. Loeschke K, et al. **Hepatogastroenterology** 1985 Aug; 32(4):178–80
Herpes encephalitis during pregnancy: failure of acyclovir and adenine arabinoside to prevent neonatal herpes. Berger SA, et al. **Isr J Med Sci** 1986 Jan;22(1):41–4
Treatment of varicella–zoster virus infection in severely immunocompromised patients. A randomized comparison of acyclovir and vidarabine. Shepp DH, et al. **N Engl J Med** 1986 Jan 23;314(4):208–12
Vidarabine versus acyclovir therapy in herpes simplex encephalitis. Whitley RJ, et al. **N Engl J Med** 1986 Jan 16;314(3):144–9
Diffuse recurrent herpes simplex virus skin lesions after adequate therapy with vidarabine. Reuman PD, et al. **Pediatr Infect Dis** 1986 Jan–Feb;5(1):97–9
Acyclovir versus vidarabine in herpes simplex encephalitis. Sköldenberg B, et al. **Scand J Infect Dis [Suppl]** 1985; 47:89–96
Therapeutic challenges of neonatal herpes simplex virus infection. Whitley RJ, et al. **Scand J Infect Dis [Suppl]** 1985;47:97–106

TOXICITY

Ocular toxicity of intravitreal vidarabine solubilized in dimethyl sulfoxide. Yoshizumi MO, et al. **Arch Ophthalmol** 1986 Mar;104(3):426–30

VIDEO GAMES see **PLAY AND PLAYTHINGS**

VIDEO RECORDING

Ovarian radiation dose during dynamic cystourethrography using videorecording and photofluorography. Westby M, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Jan–Feb;27(1):55–9
Using an interactive videodisc program to teach social skills to handicapped children. Thorkildsen R. **Am Ann Deaf** 1985 Nov;130(5):383–5
A new computer–analyzing system for clinical use with a strobo–videoscope. Watanabe H, et al. **Arch Otolaryngol Head Neck Surg** 1986 Sep;112(9):978–81
Video endoscopy. Fundamentals and problems. Demling L, et al. **Endoscopy** 1985 Sep;17(5):167–9
Computers and videodiscs in pathology education: ECLIPS as an example of one approach. Thursh DR, et al. **Hum Pathol** 1986 Mar;17(3):216–8
The preservation of archival material [editorial] **J Audiov Media Med** 1986 Apr;9(2):43
Laservision–disk and computer–assisted medical learning. Fasel J, et al. **J Audiov Media Med** 1986 Jan;9(1):15–6
Use of the interactive videodisc to teach pathology: a preliminary report. Jones RR, et al. **J Biocommun** 1986 Summer;13(3):22–7
Mapping of epicardial deformation using a video processing technique. Prinzen TT, et al. **J Biomech** 1986;19(4):263–73
The study of fluorescent probes by quantitative video intensification microscopy (QVIM). Sisken JE, et al. **J Histochem Cytochem** 1986 Jan;34(1):61–6
Microscopic observation and video recording of cellular response to sudden changes in environment. Eskelinen S, et al. **J Microsc** 1986 Jan;141 (Pt 1):119–26
TV laparoscopy. A new dimension in visualization and documentation of pelvic pathology. Berci G, et al. **J Reprod Med** 1986 Jul;31(7):585–8
Use of computer–videodisc system to train medical students in developmental disabilities. Blackman JA, et al. **Med Teach** 1985;7(1):89–97
How to make and use video in teaching. Brown GA. **Med Teach** 1985;7(2):139–49
Pediatric videonasoendoscopy for speech and voice evaluation. D'Antonio L, et al. **Otolaryngol Head Neck Surg** 1986 Jun;94(5):578–83
Home videorecording of "spell's" in children.Woody RC. **Pediatrics** 1985 Oct;76(4):612–3
Videodisc—computer technology in the teaching of pathology. Templeton AC. **Physiologist** 1985 Oct; 28(5):432–4
Microcomputers, interactive videodisks, and psychodynamic simulations. Hodgin JD. **South Med J** 1986 Apr;79(4):451–4
[Videostroboscopy of the larynx] Raes J, et al. **Acta Otorhinolaryngol Belg** 1986;40(2):421–5 (Eng. Abstr.) **(Dut)**
[Facing one's own image: use of video in the treatment of obsessional phenomena] Agababa P, et al. **Ann Med Psychol (Paris)** 1985 Mar;143(3):287–91 **(Fre)**
[How to obtain a negative from a video recording] Chagnon S, et al. **J Radiol** 1985 Jun–Jul;66(6–7):477–8 (Eng. Abstr.) **(Fre)**

ECONOMICS

Purpose built viewer reduces cost. Royal Hallamshire initiative promoted company interest. **Radiography** 1986 Mar–Apr;52(602):94–5

INSTRUMENTATION

Quantitation of thin–layer chromatograms with an Apple II computer–based videodensitometer. Ford–Holevinski TS, et al. **Anal Biochem** 1985 Nov 1;150(2):359–63
Strobofiberscopic video recording of vocal fold vibration. Hirano M, et al. **Ann Otol Rhinol Laryngol** 1985 Nov–Dec; 94(6 Pt 1):588–90
Videophotolaryngography using a new low cost video printer. Instant electronic filmless photography. Yanagisawa E, et al. **Ann Otol Rhinol Laryngol** 1985 Nov–Dec;94(6 Pt 1):584–7
Video endoscopy. Sivak MV. **Clin Gastroenterol** 1986 Apr; 15(2):205–34
Automated morphometric endothelial analysis combined with video specular microscopy. Hartmann C, et al. **Cornea** 1984–85;3(3):155–67
Electronic endoscopy—fibres or chips? Lux G, et al. **Z Gastroenterol** 1986 Jul;24(7):337–43
[A new video recording system for the operating room] Post S, et al. **Chirurg** 1985 Sep;56(9):608–9 **(Ger)**
[Initial results of digital video image analysis procedures in the evaluation of endoscopic ENT findings] Rasinger GA, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Jun;65(6):333–5 (Eng. Abstr.) **(Ger)**
[Value of the video simultaneous double image technic in epilepsy diagnosis] Bülau P, et al. **Nervenarzt** 1986 Jul; 57(7):398–404 **(Ger)**
[An opto–electronic procedure for the analysis of movement and posture] Klein D, et al. **Z Orthop** 1986 Jan–Feb; 124(1):57–62 (Eng. Abstr.) **(Ger)**
[Short technical contribution: video technic and sterility in arthroscopy] Kohn D, et al. **Z Orthop** 1985 Nov–Dec; 123(6):897–8 (Eng. Abstr.) **(Ger)**

LEGISLATION & JURISPRUDENCE

Video Recordings Act 1984. Brain C. **J Audiov Media Med** 1985 Oct;8(4):137–9

METHODS

Endoscopic television: traditional and video endoscopy [editorial] Graham DY, et al. **Gastrointest Endosc** 1986 Feb; 32(1):49–51
Image permanence: the videodisc, a hope for the future. Morton R. **J Audiov Media Med** 1986 Jan;9(1):5–7
Differentiation of retinal circulation times by videoangiography. Richard GW. **Ophthalmologica** 1985; 191(3):161–3
Video–enhanced microscopy. Allen RD. **Soc Gen Physiol Ser** 1986;40:3–13 (28 ref.)
[TMJDS: a dynamic study using radiographic videorecording] Ma XC. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Nov;20(6):321–5, 382 (Eng. Abstr.) **(Chi)**
[Angiography and video: videoangiofluoroscopy] Ganem J, et al. **J Fr Ophtalmol** 1986;9(1):65–6 **(Fre)**

UTILIZATION

Market with videos—your competition does. Wilkinson R. **Hospitals** 1986 Jun 5;60(11):84

VIDEODISC RECORDING see under **VIDEO RECORDING**

VIDEOTAPE RECORDING

Velopharyngeal insufficiency on videofluoroscopy: comparison of projections. Stringer DA, et al. **AJR** 1986 Jan;146(1):15–9
The nuts and bolts of interactive video: how it works and how to get started. Pollard G. **Am Ann Deaf** 1985 Nov; 130(5):396–90
Comparison of a videotape instructional program with a traditional lecture series for medical student emergency medicine teaching. Kline P, et al. **Ann Emerg Med** 1986 Jan;15(1):16–8
A new use for videotape in liaison psychiatry: a case from the burn unit. Pauker SL. **Gen Hosp Psychiatry** 1986 Jan; 8(1):11–7
The use of videotaped role playing in training and evaluating gerontological counseling and outreach skills. Burdick DC, et al. **Gerontol Geriatr Educ** 1985 Fall;6(1):63–71
Schizophrenic patients, their families, and their friends. Alger I. **Hosp Community Psychiatry** 1986 May;37(5):443–5
Cross–sectional area measurements by digital subtraction videodensitometry. Simons MA, et al. **Invest Radiol** 1986 Aug;21(8):637–44
Impact of a videotaped dental fear–reduction program on people who avoid dental treatment. Gatchel RJ. **J Am Dent Assoc** 1986 Feb;112(2):218–21
Analytical and practical considerations of illustrative model video–tapes. Hargie OD, et al. **J Audiov Media Med** 1986 Apr;9(2):65–8
Videotape review: a valuable tool for self–assessment of teaching skills. Kleffner JH, et al. **J Biocommun** 1985 Nov; 12(4):4–7
Evaluation of a television–tape demonstration for the reinforcement of oral hygiene instruction. Glavind L, et al. **J Clin Periodontol** 1986 Mar;13(3):201–4
Use of videotape and phone teleconference in statewide extension program on milk quality and mastitis control. Peters RR, et al. **J Dairy Sci** 1986 Apr;69(4):1178–85
The use of videotape in the treatment planning seminar. Raborn GW, et al. **J Dent Educ** 1986 Mar;50(3):187–9
Ethical problems of recording physician–patient interactions in family practice settings. Block MR, et al. **J Fam Pract** 1985 Dec;21(6):467–72
Evaluation of system providing feedback to students on videotaped patient encounters. Scheidt PC, et al. **J Med Educ** 1986 Jul;61(7):585–90
Videotape storage of nuclear medicine images. Itty C, et al. **J Nucl Med Allied Sci** 1986 Jan–Mar;30(1):63–6
Reliability and variability in the measurement of interlimbal distance with a semiautomated video replay analysis system (SAVRAS). Lingua RW, et al. **J Pediatr Ophthalmol Strabismus** 1986 Mar–Apr;23(2):74–9
The effect of video–modelling and video–feedback on the learning of the tennis service by novices. Emmen HH, et al. **J Sports Sci** 1985 Summer;3(2):127–38
Linked tutorial teaching by teleconference and videocassette. Hibbard BM, et al. **Med Educ** 1985 Sep;19(5):396–402
Teaching medical history–taking: a comparison between the use of audio– and videotapes. Mir MA, et al. **Med Educ** 1986 Mar;20(2):102–8
Videotapes for undergraduate psychiatry examinations: Part II—Comparison with other methods of assessment. Rix KJ, et al. **Med Educ** 1985 Nov;19(6):474–8
Videotapes for undergraduate psychiatry examinations: Part I—Production and assessment. Rix KJ, et al. **Med Educ** 1985 Nov;19(6):468–73
Skill requirements for interactive video instruction of persons with mental retardation. Crusco AH, et al. **Ment Retard** 1986 Apr;24(2):99–105
Preparatory procedures for videotaped feedback to improve social skills. Blumer CH, et al. **Psychol Rep** 1985 Oct; 57(2):549–50
Decreased circumcision rate with videotaped counseling. Enzenauer RW, et al. **South Med J** 1986 Jun;79(6):717–20
[Value of videostroboscopy in indicating phonosurgery] Cornut G, et al. **Acta Otorhinolaryngol Belg** 1986; 40(2):436–42 **(Fre)**
[The introduction of an urodynamic technic synchronized with videocystourethrograms and its data management] Sasaki M, et al. **Hinyokika Kiyo** 1985 Dec;31(12):2135–40 (Eng. Abstr.) **(Jpn)**
[New television setup for automatic recording of intraspecific contacts of laboratory rodents] Poshivalov VP, et al. **Zh Vyssh Nerv Deiat** 1986 May–Jun;36(3):582–4 **(Rus)**
[Study of bacterial motility and rate of movement using a closed circuit television] Hernández F, et al. **Rev Biol Trop** 1984 Nov;32(2):309–12 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

Versatile video tape system for storage and selective retrieval of ion images for digital acquisition and processing. Brenna JT, et al. **Anal Chem** 1986 Feb;58(2):428–33
Videoarthroscopy: present and future developments. Jackson DW, et al. **Arthroscopy** 1985;1(2):108–15
Recording electrophysiological data on video tape: a superior and less costly alternative to conventional tape recorders. Chiang RG, et al. **J Neurosci Methods** 1985 Oct;15(1):15–20
An inexpensive digital tape recorder suitable for neurophysiological signals. Lamb TD. **J Neurosci Methods** 1985 Oct;15(1):1–13

METHODS

Videodensitometry in rats with pulmonary damage due to microembolism. Wegenius G, et al. **Acta Radiol [Diagn] (Stockh)** 1985 Nov–Dec;26(6):785–8
35–Millimeter photography from video. Chandler EJ. **Arthroscopy** 1985;1(4):268–9
Reliability of videotape technology in assessing the efficacy of anti–emetic drugs. Triplett WC, et al. **Prog Clin Biol Res** 1986;216:377–84
[Synchronous film–video technic for the demonstration of eye operations. Presentation of the procedure for punctate capsulotomy] Zirm M. **Klin Monatsbl Augenheilkd** 1985 Nov;187(5):413 (Eng. Abstr.) **(Ger)**

VIDINE see **CHOLINE**

VIGILANCE, CORTICAL see **AROUSAL**

VILLAGE HEALTH WORKER see **COMMUNITY HEALTH AIDES**

VILOXAZINE see under **MORPHOLINES**

VIMENTIN

ANALYSIS

Intermediate filament typing of tumor cells in fine needle aspirates by means of monoclonal antibodies. Domagala W, et al. **Acta Cytol (Baltimore)** 1986 May–Jun;30(3):214–24
Carcinosarcoma of the esophagus. An immunohistochemical and electron microscopic study. Ooi A, et al. **Acta Pathol Jpn** 1986 Jan;36(1):151–9
Ultrastructural and immunohistochemical aspects of carcinoma in mixed tumors. Gustafson H, et al. **Am J Otolaryngol** 1986 May–Jun;7(3):218–30
Immunohistochemical staining for vimentin and keratin in

malignant mesothelioma. Churg A. **Am J Surg Pathol** 1985 May;9(5):360–5

Intermediate filaments in endometrial and endocervical carcinomas. The diagnostic utility of vimentin patterns. Dabbs DJ, et al. **Am J Surg Pathol** 1986 Aug;10(8):568–76

Expression of vimentin in surgically resected adenocarcinomas and large cell carcinomas of lung. Upton MP, et al. **Am J Surg Pathol** 1986 Aug;10(8):560–7

Subunit structure of desmin and vimentin protofilaments and how they assemble into intermediate filaments. Ip W, et al. **Ann NY Acad Sci** 1985;455:185–99

Distributions of vimentin and desmin filaments in embryonic cardiac muscle cells in culture. Nag AC, et al. **Cytobios** 1986;45(182–183):195–209

Microinjection of monoclonal antibodies specific for one intermediate filament protein in cells containing multiple keratins allow insight into the composition of particular 10 nm filaments. Tölle HG, et al. **Eur J Cell Biol** 1985 Sep;38(2):234–44

Chordoma: an immunohistologic study. Abenoza P, et al. **Hum Pathol** 1986 Jul;17(7):744–7

Tissue-specific markers in flow cytometry of urological cancers. II. Cytokeratin and vimentin in renal-cell tumors. Feitz WF, et al. **Int J Cancer** 1986 Feb 15;37(2):201–7

Neurons of the olfactory epithelium in adult rats contain vimentin. Schwob JE, et al. **J Neurosci** 1986 Jan; 6(1):208–17

Vimentin and keratin intermediate filaments expression by K562 leukemic cell line. Zauli D, et al. **Leuk Res** 1986; 10(1):29–33

[Characterization of cultured cells from a case of proliferative vitreoretinopathy—heterogeneity of the cellular components] Shirakawa H, et al. **Nippon Ganka Gakkai Zasshi** 1986 Apr;90(4):550–5 (Eng. Abstr.) **(Jpn)**

[Immunohistochemical demonstration of desmin and vimentin in an arrector pili nevus] Kishimoto S, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Apr;96(5):515–8 **(Jpn)**

[Immunohistochemical study of ethylnitrosourea-induced rat gliomas with vimentin and astroprotein (GFAP)] Maruno M, et al. **No To Shinkei** 1985 Dec;37(12):1173–9 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Cell–cell interaction and cell configuration related control of cytokeratins and vimentin expression in epithelial cells and in fibroblasts. Ben-Ze'ev A. **Ann NY Acad Sci** 1985; 455:597–613

Induction of vimentin synthesis in mouse myeloma cells MPC-11 by 12-0-tetradecanoylphorbol-13-acetate. Giese G, et al. **Eur J Cell Biol** 1986 Apr;40(2):266–74

Vimentin synthesis by ocular lens cells. Bagchi M, et al. **Exp Eye Res** 1985 Mar;40(3):385–92

GENETICS

Vimentin and desmin cDNA clones: structural aspects of corresponding proteins and genes. Bloemendal H, et al. **Ann NY Acad Sci** 1985;455:95–105 (35 ref.)

Expression of the genes coding for the intermediate filament proteins vimentin and desmin. Ngai J, et al. **Ann NY Acad Sci** 1985;455:144–57 (90 ref.)

The chicken vimentin gene: aspects of organization and transcription during myogenesis. Zehner ZE, et al. **Ann NY Acad Sci** 1985;455:79–94 (24 ref.)

The human desmin and vimentin genes are located on different chromosomes. Quax W, et al. **Gene** 1985; 38(1–3):189–96

IMMUNOLOGY

Expression of vimentin, glial filament, and neurofilament proteins in primitive childhood brain tumors. A comparative immunoblot and immunoperoxidase study. Tremblay GF, et al. **Acta Neuropathol (Berl)** 1985; 68(3):239–44

Human vimentin autoantibodies preferentially interact with a peptide of 30kD mol. wt, located close to the amino-terminal of the molecule. Alcover A, et al. **Clin Exp Immunol** 1985 Jul;61(1):24–30

Activation of complement by intermediate filaments of glomerular epithelial cells. Linder E, et al. **Clin Immunol Immunopathol** 1986 Aug;40(2):265–75

Autoantibodies to intermediate filaments in acute viral hepatitis A, B and non-A, non-B are directed against vimentin. Brown C, et al. **J Clin Lab Immunol** 1986 Jan; 19(1):1–4

Solid-phase preparation of vimentin-type intermediate filaments for immunoassays. Hansson GK. **J Immunol Methods** 1985 Dec 27;85(2):401–7

Re.: Cross-reactivity of human monoclonal antibodies between solid-phase immunoassay plates and intermediate filaments [letter] Haskard DO, et al. **J Immunol Methods** 1986 Jan 22;86(1):157

Antibodies to cytokeratin and vimentin in testicular tumour diagnosis. Ramaekers F, et al. **Virchows Arch [A]** 1985; 408(2–3):127–42

ISOLATION & PURIFICATION

Tenacious binding of lipids to vimentin during its isolation and purification from Ehrlich ascites tumor cells. Traub P, et al. **FEBS Lett** 1985 Dec 2;193(2):217–21

METABOLISM

Cytoskeletal properties and endogenous degradation of glial fibrillary acidic protein and vimentin in cultured human glioma cells. Paetau A, et al. **Acta Neuropathol (Berl)** 1986; 69(1–2):73–80

Coexpression of keratin and vimentin in epithelioid sarcoma [letter] Miettinen M, et al. **Am J Surg Pathol** 1985 Jun; 9(6):460–3

Preferential phosphorylation of keratins and vimentin during mitosis in normal and transformed human amnion cells. Celis JE, et al. **Ann NY Acad Sci** 1985;455:268–81 (38 ref.)

Glial fibrillary acidic protein and vimentin in the experimental glial reaction of the rat brain. Schiffer D, et al. **Brain Res** 1986 May 21;374(1):110–8

Cleavage of vimentin in dense cell cultures. Inhibition upon transformation by type 5 adenovirus. Ben-Ze'ev A, et al. **Exp Cell Res** 1986 Sep;166(1):47–62

Thrombin-induced vimentin phosphorylation in cultured human umbilical vein endothelial cells. Bormann BJ, et al. **J Biol Chem** 1986 Aug 15;261(23):10471–4

An immunocytochemical study of the human odontoblast process using antibodies against tubulin, actin, and vimentin. Sigal MJ, et al. **J Dent Res** 1985 Dec; 64(12):1348–55

Interaction of frog virus 3 with the cytomatrix. IV. Phosphorylation of vimentin precedes the reorganization of intermediate filaments around the virus assembly sites. Chen M, et al. **J Gen Virol** 1986 May;67 (Pt 5):915–22

Identification of a distinct soluble subunit of an intermediate filament protein: tetrameric vimentin from living cells. Soellner P, et al. **Proc Natl Acad Sci USA** 1985 Dec; 82(23):7929–33

Co-expression of cytokeratin and vimentin intermediate-sized filaments in renal cell carcinomas. Comparative study of the intermediate-sized filament distribution in renal cell carcinomas and normal human kidney. Waldherr R, et al. **Virchows Arch [A]** 1985; 408(1):15–27

[Role of intermediate filaments in the differential diagnosis of tumors in the area of the ear, nose and throat] Wustrow J, et al. **HNO** 1986 Jun;34(6):229–34 (Eng. Abstr.) **(Ger)**

[Differences in the expression of prekeratin and vimentin in organ and monolayer cultures of rat hepatocytes] Karavanova ID, et al. **Tsitologiia** 1985 Sep;27(9):1039–42 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Transient coexpression of cytokeratin and vimentin in differentiating rat Sertoli cells. Paranko J, et al. **Dev Biol** 1986 Sep;117(1):35–44

Epithelial and mesenchymal cell differentiation in the fetal rat genital ducts: changes in the expression of cytokeratin and vimentin type of intermediate filaments and desmosomal plaque proteins. Paranko J, et al. **Dev Biol** 1986 Sep;117(1):135–45

VIMINOL see under **ETHANOLAMINES**

VINBLASTINE

Chemical characterization of the degradation products of vinblastine dihydrogen sulfate. Thimmaiah KN, et al. **Cancer Res** 1985 Nov;45(11 Pt 1):5382–5

ADMINISTRATION & DOSAGE

Unusual collagen aggregates induced in rat incisor dentin after vinblastine administration. Miake Y, et al. **Calcif Tissue Int** 1985 Sep;37(5):501–10

Recombinant interferon alfa-2a with or without vinblastine in metastatic renal cell carcinoma. Fossâ SD, et al. **Cancer** 1986 Apr 15;57(8 Suppl):1700–4

Phase I and pharmacological study of vinblastine by prolonged continuous infusion. Ratain MJ, et al. **Cancer Res** 1986 Sep;46(9):4827–30

[Chemotherapy of renal cell carcinoma. 2. Combined chemotherapy using ACNU and VBL] Kobayashi M, et al. **Hinyokika Kiyo** 1986 Mar;32(3):375–83 (Eng. Abstr.) **(Jpn)**

[Transfusion of vinca alkaloid-loaded thrombocytes and high-dose gamma globulin in the treatment of resistant forms of chronic immune thrombocytopenia] Elezović I, et al. **Srp Arh Celok Lek** 1985 Feb;113(2):161–71 (Eng. Abstr.) **(Ser)**

ADVERSE EFFECTS

Study on ectopic calcification in bone marrow of rat tibia caused by vinblastine. Tamura Y. **Bull Tokyo Med Dent Univ** 1986 Mar;33(1):9–22

Apparent myocardial ischemia associated with vinblastine administration. Subar M, et al. **Cancer Treat Rep** 1986 May; 70(5):690–1

The absence of influence of acetylsalicylic acid (ASA) on the transient decrease in platelet counts observed after infusion of bleomycin and vinblastine. Verweij J, et al. **Eur J Cancer Clin Oncol** 1985 Dec;21(12):1471–4

[Raynaud's disease after treatment with bleomycin and vinblastine] Dzieża-Lalowicz I, et al. **Pol Tyg Lek** 1986 Feb 17;41(7):218–9 (Eng. Abstr.) **(Pol)**

ANALOGS & DERIVATIVES

Comparative pharmacokinetics of antitumor Vinca alkaloids: intravenous bolus injections of navelbine and related alkaloids to cancer patients and rats. Rahmani R, et al. **Cancer Chemother Pharmacol** 1986;16(3):223–8

Vinblastine photoaffinity labeling of a high molecular weight surface membrane glycoprotein specific for multidrug-resistant cells. Safa AR, et al. **J Biol Chem** 1986 May 15;261(14):6137–40

Synthesis of some analogs of estradiol. Blickenstaff RT, et al. **Steroids** 1985 Oct–Nov;46(4–5):889–902

METABOLISM

Interactions of vinblastine and maytansine with tubulin. Luduena RF, et al. **Ann NY Acad Sci** 1986;466:718–32

Differential cellular retention of vincristine and vinblastine by cultured human promyelocytic leukemia HL-60/Cl cells: the basis of differential toxicity. Ferguson PJ, et al. **Cancer Res** 1985 Nov;45(11 Pt 1):5480–8

Increased vinblastine binding to membrane vesicles from multidrug-resistant KB cells. Cornwell MM, et al. **J Biol Chem** 1986 Jun 15;261(17):7921–8

Immunohistochemistry and effect of vinblastine on intracisternal microtubules of the canine neurons. Atoji Y, et al. **J Comp Pathol** 1986 Jul;96(4):425–31

Identification of a distinct class of vinblastine binding sites on microtubules. Jordan MA, et al. **J Mol Biol** 1986 Jan 5;187(1):61–73

PHARMACODYNAMICS

Modifications in the phagocytosis of human neutrophils induced by vinblastine and cytochalasin B: the effects of lithium. Cerulli G, et al. **Acta Haematol (Basel)** 1985; 74(2):81–5

Microtubule—and microfilament—disrupting drugs and melanosome migration in melanophores of Papiliochromis ramirezi (Cichlidae, Teleostei). Visconti MA, et al. **An Acad Bras Cienc** 1985 Jun;57(2):233–7

Detection of cytoskeleton antibodies on vinblastine-treated mononuclear cells. Zauli D, et al. **Ann Allergy** 1986 Jul; 57(1):65–7

The removal of the carboxy-terminal region of tubulin favors its vinblastine-induced aggregation into spiral-like structures. Serrano L, et al. **Arch Biochem Biophys** 1986 Sep;249(2):611–5

Phospholipid and ether linked phospholipid content alter with cellular resistance to vinblastine. Wright LC, et al. **Biochem Biophys Res Commun** 1985 Dec 17;133(2):539–45

Vinblastine-induced aggregation of brine shrimp (Artemia) tubulin. Mackinlay SA, et al. **Biochim Biophys Acta** 1986 Jul 16;882(3):419–26

In vitro comparison of vinzolidine and vinblastine: a model for methods of evaluation of analogues in a human tumor cloning system. Lathan B, et al. **Cancer Res** 1985 Dec;45(12 Pt 1):6286–9

Effect of colchicine and vinblastine on identified leech neurons. Pellegrino M, et al. **Comp Biochem Physiol [C]** 1985;82(2):353–6

Response of murine spermatocytes to the metaphase-arresting effect of several mitotic arrestants. Liang JC, et al. **Experientia** 1985 Dec 15;41(12):1586–8

Temperature effects on solutions of vinblastine-induced polymers assembled from brine shrimp (Artemia) tubulin. MacKinlay SA, et al. **FEBS Lett** 1986 Jul 28;203(2):301–5

PMN migration measured by bottom filter counts in modified Boyden chambers. Chemokinetic deactivation and vinblastine inhibition of chemotaxis. Bandman U, et al. **Haematologia (Budap)** 1986;19(1):13–9

The effect of vinblastine on CFU-E in normal and W anaemic mice. Chervinsky DS, et al. **Hematol Oncol** 1986 Apr–Jun;4(2):121–8

Studies on vinblastine-induced autophagocytosis in mouse liver. V. A cytochemical study on the origin of membranes. Reunanen H, et al. **Histochemistry** 1985;83(6):513–7

Vinblastine blocks stimulation-dependent vesicle redistribution in incubated synaptosomes. Hajós F, et al. **Int J Neurosci** 1985 Oct;28(1–2):119–24

Shape changes and chemokinesis of Walker 256 carcinosarcoma cells in response to colchicine, vinblastine, nocodazole and taxol. Keller HU, et al. **Invasion Metastasis** 1986;6(1):33–43

Effect of colchicine, vinblastine, and cytochalasin B on cell surface anionic sites of Tritrichomonas foetus. Silva Filho FC, et al. **J Protozool** 1986 Feb;33(1):6–10

Effect of vinblastine, a potent antimicrotubular agent on steroid secretion by perifused frog adrenal glands. Feuilloley M, et al. **J Steroid Biochem** 1986 Jul;25(1):143–7

Effects of vinblastine and colchicine on the rat adrenal cortex: morphometric and cytochemical studies. Magalhães MC, et al. **J Ultrastruct Res** 1985 May;91(2):149–58

Effects of vincristine versus vinblastine on clonogenic growth of human testicular tumor cells in soft agar. Karr JP, et al. **Prog Clin Biol Res** 1985;203:401–10

[Effect of vinblastine on experimental stomach carcinogenesis] Gurkalo VK, et al. **Biull Eksp Biol Med** 1986 Jun;101(6):740–3 (Eng. Abstr.) **(Rus)**

[Effect of vinblastine and cyclophosphamide on the formation of antigen-induced B-suppressors] Akramov AR, et al. **Farmakol Toksikol** 1985 Sep–Oct;48(5):89–92 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Morphology and incidence of the "posttherapeutic lymphoid cell" in the bone marrow of children with acute lymphoblastic leukemia. Schuurmans Stekhoven JH, et al. **Am J Pathol** 1986 Jul;124(1):46–52

Treatment of Kaposi's sarcoma in acquired immunodeficiency syndrome with an alternating vincristine–vinblastine regimen. Kaplan L, et al. **Cancer Treat Rep** 1986 Sep;70(9):1121–2

TOXICITY

Studies on the morphological changes of skeletal muscle induced by vincristine, vinblastine and colchicine. Konishi S, et al. **Bull Osaka Med Sch** 1984 Jul;30(1):19–40

Hyponatremia and other toxic effects during a phase I trial of recombinant human gamma interferon and vinblastine. Bennett CL, et al. **Cancer Treat Rep** 1986 Sep;70(9):1081–4

Anti-tubulin immunofluorescence studies of recovery from vinblastine cytotoxicity in Chinese hamster cells. Cherry LM, et al. **Cytobios** 1986;45(180):45–53

Chromosome aberrations in mouse bone marrow cells following treatment in vivo with vinblastine and Colcemid. Satya-Prakash KL, et al. **Environ Mutagen** 1986; 8(2):273–82

Multiple drug-resistant human KB carcinoma cells independently selected for high-level resistance to colchicine, adriamycin, or vinblastine show changes in expression of specific proteins. Shen DW, et al. **J Biol Chem** 1986 Jun 15;261(17):7762–70

VINCA ALKALOIDS

ADMINISTRATION & DOSAGE

[Conservative analgesic methods (letter)] **Orv Hetil** 1985 Jul 14;126(28):1755 (Hun)

ADVERSE EFFECTS

[Cardiac toxicity of vinca alkaloids. Critical review of the literature] Aymard JP, et al. **Therapie** 1985 Sep–Oct; 40(5):361–4 (22 ref.) (Eng. Abstr.) (Fre)

ANALYSIS

High-performance liquid chromatographic determination of vinca-alkaloids in plasma and urine. De Smet M, et al. **J Chromatogr** 1985 Dec 13;345(2):309–21

Enhancement of solubility of vinpocetine base with gamma-cyclodextrin. Kata M, et al. **Pharmazie** 1986 Feb; 41(2):151–2

BIOSYNTHESIS

[How the production of an alkaloid leads to tissue culture of higher plants. Assay of vincamine production] Delaby PA. **Ann Pharm Fr** 1985;43(2):109–15 (Eng. Abstr.) (Fre)

BLOOD

Determination of vincamine in plasma by high-performance liquid chromatography with voltammetric detection. Smyth MR. **Analyst** 1986 Jul;111(7):851–2

Capillary gas chromatographic determination of vincamine in plasma. Michotte Y, et al. **J Chromatogr** 1985 Nov 8; 344:367–71

CHEMICAL SYNTHESIS

[Synthesis of octahydroindolo [2,3-a] quinolizine derivatives] Xu JY, et al. **Yao Hsueh Hsueh Pao** 1986 Feb;21(2):102–8 (Eng. Abstr.) (Chi)

METABOLISM

Clinical pharmacology of vinzolidine. Kreis W, et al. **Cancer Chemother Pharmacol** 1986;16(1):70–4

Comparative pharmacokinetics of antitumor Vinca alkaloids: intravenous bolus injections of navelbine and related alkaloids to cancer patients and rats. Rahmani R, et al. **Cancer Chemother Pharmacol** 1986;16(3):223–8

The phagocytosis of yeast cells by blood monocytes. Effects of therapeutic concentrations of Vinca alkaloids. Athlin L, et al. **Eur J Clin Pharmacol** 1985;29(4):471–6

The metabolic fate of 11-bromo[15-3H]vincamine in man. Mayo BC, et al. **Eur J Drug Metab Pharmacokinet** 1985 Jul–Sep;10(3):189–96

Pharmacokinetics and metabolism of vincamine and related compounds. Vereczkey L. **Eur J Drug Metab Pharmacokinet** 1985 Apr–Jun; 10(2):89–103 (91 ref.)

[Bioavailability of vinburnine in man: importance of combination with ascorbic acid] Sado PA, et al. **J Pharm Belg** 1986 Jan–Feb;41(1):17–28 (Eng. Abstr.) (Fre)

[Relative bioavailability of vinburnine in man (microgranules/gels)] Sado PA, et al. **J Pharm Belg** 1985 Sep–Oct;40(5):308–22 (Eng. Abstr.) (Fre)

PHARMACODYNAMICS

Factors governing the modulation of vinca-alkaloid resistance in doxorubicin-resistant cells by the calmodulin inhibitor trifluoperazine. Ganapathi R, et al. **Biochem Pharmacol** 1986 Feb 15;35(4):673–8

Reversal of Vinca alkaloid resistance but not multiple drug resistance in human leukemic cells by verapamil. Beck WT, et al. **Cancer Res** 1986 Feb;46(2):778–84

In vitro comparison of vinzolidine and vinblastine: a model for methods of evaluation of analogues in a human tumor cloning system. Lathan B, et al. **Cancer Res** 1985 Dec;45(12 Pt 1):6286–9

Dose–response relationship of vindeburnol based on spectral analysis of posturographic recordings. Patat A, et al. **Eur J Clin Pharmacol** 1985;29(4):455–9

Psychopharmacological effects of vinpocetine in normal healthy volunteers. Subhan Z, et al. **Eur J Clin Pharmacol** 1985;28(5):567–71

Non-antitumor vinca alkaloids reverse multidrug resistance in P388 leukemia cells in vitro. Inaba M, et al. **Jpn J Cancer Res** 1986 Feb;77(2):197–204

Action of vinca alkaloides on calcium movements through mitochondrial membrane. Tari C, et al. **Pharmacol Res Commun** 1986 Jun;18(6):519–28

New compounds with cytotoxic and antitumor effects. Part 6: Monomeric indole alkaloids of vinca minor L. and their effect on P388 cells. Sturdíková M, et al. **Pharmazie** 1986 Apr;41(4):270–2

The effect of Cavinton on impulse formation and impulse conduction of the heart. Solti F, et al. **Ther Hung** 1983; 31(1):24–5

[Effects of a vincamine–papaverine combination on platelet aggregation in geriatric patients with glucose and/or lipid metabolism disorders] Petruzzi E, et al. **Minerva Cardioangiol** 1985 Sep;33(9):561–4 (Eng. Abstr.) (Ita)

[Effects of vincamine and a vincamine–papaverine combination on erythrocyte flexibility in diabetic patients] Petruzzi E, et al. **Minerva Cardioangiol** 1985 Nov; 33(11):671–3 (Eng. Abstr.) (Ita)

THERAPEUTIC USE

The assessment of the chemotherapeutic effects of vinca alkaloids by immunofluorescence and flow cytometry. Gratzner HG, et al. **Ann NY Acad Sci** 1986;468:67–79

Prognostic factors and therapeutic results in multiple myeloma. Nagai M, et al. **Jpn J Clin Oncol** 1985 Sep; 15(3):505–15

Vinpocetine: nootropic effects on scopolamine-induced and hypoxia-induced retrieval deficits of a step-through passive avoidance response in rats. DeNoble VJ, et al. **Pharmacol Biochem Behav** 1986 Apr;24(4):1123–8

[Vincamine in cerebrovascular insufficiency. Occupational medicine approaches in cerebral diseases] Steinhäuser B. **Fortschr Med** 1986 Jan 9;104(1–2):23–6 (Eng. Abstr.) (Ger)

[A special flicker fusion frequency method for detection of the effects of gerontopharmaceuticals exemplified by the L-eburnamonine study] Plörer S, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1985 Nov; 37(11):635–42 (Eng. Abstr.) (Ger)

[Cavinton treatment of patients with chronic cerebral circulatory insufficiency] Ishchenko MM, et al. **Vrach Delo** 1986 Apr;(4):51–4 (Eng. Abstr.) (Rus)

[Use of cavinton in epilepsy] Dutov AA, et al. **Zh Nevropatol Psikhiatr** 1986;86(6):850–5 (Eng. Abstr.) (Rus)

[Effect of cavinton on systemic and cerebral hemodynamics of patients with chronic cerebral circulatory insufficiency] Ishchenko MM, et al. **Zh Nevropatol Psikhiatr** 1985; 85(9):1338–42 (Eng. Abstr.) (Rus)

VINCALEUKOBLASTINE see **VINBLASTINE**

VINCAMINE see under **VINCA ALKALOIDS**

VINCENT'S INFECTION see **GINGIVITIS, NECROTIZING ULCERATIVE**

VINCRISTINE

Structural studies on the degradation products of vincristine dihydrogen sulfate. Sethi VS, et al. **Cancer Res** 1985 Nov; 45(11 Pt 1):5386–9

ADMINISTRATION & DOSAGE

Slow infusion of vincristine in the treatment of idiopathic thrombocytopenic purpura. Manoharan A. **Am J Hematol** 1986 Feb;21(2):135–8

The modulating effects of flurbiprofen on adriamycin plus vincristine or vindesine in the treatment of advanced breast cancer. Perez DJ, et al. **Cancer Chemother Pharmacol** 1985; 15(3):278–82

Treatment of artificially-induced pulmonary metastases with fractionated doses of vincristine and/or radiation therapy. Grdina DJ, et al. **Clin Exp Metastasis** 1983 Jan–Mar; 1(1):71–81

Sequential vincristine, arabinosylcytosine and daunomycin induction therapy in adult acute leukemia. Riccardi A, et al. **Haematologica (Pavia)** 1986 Mar–Apr;71(2):129–33

Vincristine infusion with advanced, relapsed tumors [letter] Pinkerton R, et al. **J Clin Oncol** 1985 Oct;3(10):1437–8

Morphometric effects of vincristine on nerve regeneration in the rat. Shiraishi S, et al. **J Neurol Sci** 1985 Dec; 71(2–3):165–81

Vincristine by infusion for childhood acute immune thrombocytopenia [letter] Manoharan A. **Lancet** 1986 Feb 8;(8476):317

[Transfusion of vinca alkaloid-loaded thrombocytes and high-dose gamma globulin in the treatment of resistant forms of chronic immune thrombocytopenia] Elezović I, et al. **Srp Arh Celok Lek** 1985 Feb;113(2):161–71 (Eng. Abstr.) (Scc)

ADVERSE EFFECTS

Metoclopramide in vincristine-induced ileus. Garewal HS, et al. **Cancer Treat Rep** 1985 Nov;69(11):1309–11

Vincristine neurotoxicity enhanced in combination chemotherapy including both teniposide and vincristine. Griffiths JD, et al. **Cancer Treat Rep** 1986 Apr;70(4):519–21

Thrombocytopenia with actinomycin-D therapy [letter] Hara T, et al. **J Pediatr** 1986 Jun;108(6):1039–40

Vincristine neurotoxicity in Charcot-Marie-Tooth syndrome. Griffiths JD, et al. **Med J Aust** 1985 Sep 30; 143(7):305–6

Vincristine neurotoxicity [letter] Maloney T, et al. **Med J Aust** 1986 Jan 6;144(1):51

Extravasation of dactinomycin, vincristine, and cisplatin: studies in an animal model. Buchanan GR, et al. **Med Pediatr Oncol** 1985;13(6):375–80

[Raynaud's phenomenon following treatment with cytostatics] Haastrup U, et al. **Ugeskr Laeger** 1985 Dec 2;147(49):4010 (Eng. Abstr.) (Dan)

ANTAGONISTS & INHIBITORS

Clinical trial of folinic acid to reduce vincristine neurotoxicity. Jackson DV Jr, et al. **Cancer Chemother Pharmacol** 1986;17(3):281–4

A study of the effects of isaxonine on vincristine-induced peripheral neuropathy in man and regeneration following peripheral nerve crush in the rat. Le Quesne PM, et al. **J Neurol Neurosurg Psychiatry** 1985 Sep;48(9):933–5

BLOOD

An enzyme-linked immunosorbent assay for the antineoplastic agent vincristine. Lapinjoki SP, et al. **J Immunoassay** 1986;7(1–2):113–28

METABOLISM

Characteristics of vincristine resistance in vincristine resistant human myelogenous leukemia K562. Tsuruo T, et al. **Anticancer Res** 1986 Jul–Aug;6(4):637–41

GTP influences the binding of vincristine in human tumor cytosols. Bowman LC, et al. **Biochem Biophys Res Commun** 1986 Mar 28;135(3):695–700

Effects of cytochalasins and colchicine on the accumulation and retention of daunomycin and vincristine in drug resistant tumor cells. Tsuruo T, et al. **Biochem Pharmacol** 1986 Apr 1;35(7):1087–90

Differential cellular retention of vincristine and vinblastine by cultured human promyelocytic leukemia HL-60/Cl cells: the basis of differential toxicity. Ferguson PJ, et al. **Cancer Res** 1985 Nov;45(11 Pt 1):5480–8

PHARMACODYNAMICS

Transferrin receptor cycling by human lymphoid cells: lack of effect from inhibition of microtubule assembly. Hedley DW, et al. **Biochem Biophys Res Commun** 1986 Aug 14; 138(3):1216–22

Vincristine-induced self-association of calf brain tubulin. Prakash V, et al. **Biochemistry** 1985 Sep 10;24(19):5004–10

Verapamil increases the sensitivity of primary human colorectal carcinoma tissue to vincristine. Ince P, et al. **Br J Cancer** 1986 Jan;53(1):137–9

Induction of the action potential in innervated slow muscle fibers of the frog. Effects of tetrodotoxin, vincristine and colchicine. Siebler M, et al. **Brain Res** 1986 Jan 8; 362(2):299–307

Serum protein reduction of the enhancement of methotrexate accumulation by vincristine and 4'-demethylepipodophyllotoxin in the Ehrlich ascites tumor cell in vitro. Gewirtz DA. **Cancer Res** 1985 Dec; 45(12 Pt 1):6290–2

Augmentation of 1-beta-D-arabinofuranosylcytosine resistance in human KB epidermoid carcinoma cells upon induction of a second resistance to vincristine. Sone S, et al. **Cancer Res** 1986 Jun;46(6):3099–104

Quantitative evaluation of anticancer agents against human melanoma cells implanted in nude mice. Lockshin A, et al. **Exp Cell Biol** 1986;54(3):149–54

Markedly altered membrane transport and intracellular binding of vincristine in multidrug-resistant Chinese hamster cells selected for resistance to vinca alkaloids. Sirotnak FM, et al. **J Cell Physiol** 1986 Feb;126(2):266–74

The effect of vincristine on nerve regeneration in the rat. An electrophysiological study. Shiraishi S, et al. **J Neurol Sci** 1985 Nov;71(1):9–17

Effects of vincristine versus vinblastine on clonogenic growth of human testicular tumor cells in soft agar. Karr JP, et al. **Prog Clin Biol Res** 1985;203:401–10

[Action of low doses of vincristine, lidocaine and verapamil on DNA replication in vitro] Vietti Ramus G, et al. **Minerva Med** 1986 May 19;77(21):917–22 (Eng. Abstr.) (Ita)

POISONING

Depressive reaction to vincristine overdose [letter] Yoffe G, et al. **Clin Lab Haematol** 1986;8(1):80–1

[Retardation of nerve fibre regeneration following nerve crush injury in experimental vincristine intoxication] Shiraishi S. **Fukuoka Igaku Zasshi** 1985 Sep;76(9):461–77 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Phase II study of vincristine infusion in refractory small cell carcinoma of the lung. Jackson DV Jr, et al. **Am J Clin Oncol** 1985 Apr;8(2):154–6

Slow infusion of vincristine in the treatment of idiopathic thrombocytopenic purpura [letter] Reid MM. **Am J Hematol** 1986 Oct;23(2):187–8

Treatment of mitomycin-associated microangiopathic hemolytic anemia with vincristine. Grem JL, et al. **Arch Intern Med** 1986 Mar;146(3):566–8

Treatment of thrombotic thrombocytopenic purpura. Plasmapheresis, plasma transfusion, and vincristine. Sennett ML, et al. **Arch Intern Med** 1986 Feb;146(2):266–7

Demonstration of vincristine resistance in primary intestinal neoplasms in the rat by the 'post-metaphase index'. Ince P, et al. **Br J Cancer** 1985 Oct;52(4):599–605

Phase II trial of etoposide, vincristine, and high-dose cisplatin in advanced non-small cell lung cancer. Bertrand M, et al. **Cancer Treat Rep** 1985 Nov;69(11):1335–6

Treatment of Kaposi's sarcoma in acquired immunodeficiency syndrome with an alternating vincristine–vinblastine regimen. Kaplan L, et al. **Cancer Treat Rep** 1986 Sep;70(9):1121–2

Phase II trial of 5-FU, vincristine, and mitomycin (FOMi) in metastatic bronchioloalveolar cell lung cancer: a Southwest Oncology Group Study. Miller TP, et al. **Cancer Treat Rep** 1985 Nov;69(11):1313–4

Fresh frozen plasma in the treatment of chronic autoimmune thrombocytopenic purpura in adults: evidence for potentiating effect of vincristine. Bharucha C, et al. **Clin Lab Haematol** 1985;7(2):119–24

Cyclosporin A reverses vincristine and daunorubicin resistance in acute lymphatic leukemia in vitro. Slater LM, et al. **J Clin Invest** 1986 Apr;77(4):1405–8

Single agent vincristine by infusion in refractory multiple myeloma. Jackson DV, et al. **J Clin Oncol** 1985 Nov; 3(11):1508–12

Potentiation of vincristine effect in human and murine gliomas by calcium channel blockers or calmodulin inhibitors. Kaba K, et al. **J Neurosurg** 1985 Dec; 63(6):905–11

Chiasmatic optic glioma treated with chemotherapy. A preliminary report. Rosenstock JG, et al. **J Neurosurg** 1985 Dec;63(6):862–6

Vincristine for childhood immune thrombocytopenia [letter] Lilleyman JS. **Lancet** 1986 Mar 1;1(8479):499

Vincristine for childhood immune thrombocytopenia [letter] Manoharan A. **Lancet** 1986 Apr 5;1(8484):810

Iontophoresis of vincristine versus saline in post-herpetic neuralgia. A controlled trial. Layman PR, et al. **Pain** 1986 May;25(2):165–70

Onyalai—therapeutic effects of vincristine sulphate. A prospective randomized trial. Hesseling PB, et al. **S Afr Med J** 1986 Aug 16;70(4):201–2

Aggressive combination chemotherapy in multiple myeloma. A multicentre trial. Finnish Leukaemia Group. **Scand J Haematol** 1985 Aug;35(2):205–9

[Value of vincristine in the treatment of thrombotic thrombopenic purpura (letter)] Lefevre P, et al. **Presse Med** 1986 Jan 18;15(2):77 **(Fre)**

[Efficacy of vincristine in thrombotic thrombopenic purpura induced by D-penicillamine (letter)] Masson C, et al. **Presse Med** 1986 May 31;15(22):1044 **(Fre)**

TOXICITY

The effect of cyclophosphamide and vincristine on intestinal protein loss in rats. Berő T, et al. **Arch Toxicol [Suppl]** 1985;8:117–21

Studies on the morphological changes of skeletal muscle induced by vincristine, vinblastine and colchicine. Konishi S, et al. **Bull Osaka Med Sch** 1984 Jul;30(1):19–40

Vincristine sulfate-induced cell transformation, mitotic inhibition and aneuploidy in cultured Syrian hamster embryo cells. Tsutsui T, et al. **Carcinogenesis** 1986 Jan; 7(1):131–5

Verapamil hypersensitivity of vincristine resistant Chinese hamster ovary cell lines. Warr JR, et al. **Cell Biol Int Rep** 1986 May;10(5):389–99

Impaired in vitro polymorphonuclear function secondary to the chemotherapeutic effects of vincristine, adriamycin, cyclophosphamide, and actinomycin D. Cairo MS, et al. **J Clin Oncol** 1986 May;4(5):798–804

Morphometric, karyometric and cytophotometric studies on spinal cord neurons and glia cells after vincristine administration. Szczech J. **J Hirnforsch** 1985;26(5):565–72

Clinical trial of pyridoxine to reduce vincristine neurotoxicity. Jackson DV Jr, et al. **J Neurooncol** 1986; 4(1):37–41

[Effect of vincristine on receptor potentials (extracellular photo-signals) of the isolated rat retina] Rix R, et al. **Fortschr Ophthalmol** 1985;82(6):604–5 (Eng. Abstr.) **(Ger)**

[Effect of the induction and inhibition of liver monooxygenases on the toxic and therapeutic action of vincristine] Bogush TA, et al. **Antibiot Med Biotekhnol** 1986 Apr;31(4):265–8 (Eng. Abstr.) **(Rus)**

[Neuropathic changes observed in skeletal muscle tissue after vincristine administration] Carpio González M, et al. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1986 Jan–Feb;14(1):8–12 (Eng. Abstr.) **(Spa)**

VINDESINE

ADMINISTRATION & DOSAGE

Methotrexate–vindesine association in head and neck cancer: modification of methotrexate's hydroxylation in presence of vindesine. Bore P, et al. **Cancer Chemother Pharmacol** 1986;17(2):171–6

The modulating effects of flurbiprofen on adriamycin plus vincristine or vindesine in the treatment of advanced breast cancer. Perez DJ, et al. **Cancer Chemother Pharmacol** 1985; 15(3):278–82

Continuous-infusion vindesine in refractory carcinoma of the cervix: a phase II trial. Kavanagh JJ, et al. **Cancer Treat Rep** 1985 Nov;69(11):1317–8

Phase one study of twice-weekly vindesine. Mulder NH, et al. **Eur J Cancer Clin Oncol** 1985 Dec;21(12):1555–6

Random prospective study of vindesine versus vindesine plus high-dose cisplatin versus vindesine plus cisplatin plus mitomycin C in advanced non-small-cell lung cancer. Einhorn LH, et al. **J Clin Oncol** 1986 Jul;4(7):1037–43

[Chemotherapy with mitomycin C, vindesine and ifosfamide in the treatment of inoperable non-small cell bronchial carcinoma] Gatzemeier U, et al. **Onkologie** 1985 Aug; 8(4):208–12 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Angina pectoris associated with infusions of 5-FU and vindesine [letter] Blijham GH, et al. **Cancer Treat Rep** 1986 Feb;70(2):314–5

Interstitial lung disease associated with vindesine and radiation therapy for carcinoma of the lung. Bott SJ, et al. **South Med J** 1986 Jul;79(7):894–6

METABOLISM

Drug localisation and growth inhibition studies of vindesine–monoclonal anti-CEA conjugates in a human tumour xenograft. Rowland GF, et al. **Cancer Immunol Immunother** 1986;21(3):183–7

PHARMACODYNAMICS

Cytotoxicity of etretinate and vindesine. Gaukroger JM, et al. **Br J Cancer** 1985 Sep;52(3):369–75

THERAPEUTIC USE

Phase II study of vindesine in the treatment of pediatric patients with solid tumors: a report from the Childrens Cancer Study Group. Krailo MD, et al. **Cancer Treat Rep** 1986 Jun;70(6):807–9

Rapid control of myeloid compartment with vindesine in chronic phase of chronic myelogenous leukemia [letter] Lahuerta-Palacios J, et al. **Cancer Treat Rep** 1986 Feb; 70(2):315–6

Treatment of chronic myelogenous leukemia in blastic crisis with chemotherapy incorporating vindesine–prednisolone. Uzuka Y, et al. **Cancer Treat Rep** 1985 Nov;69(11):1297–9

Phase II study of vindesine in patients with non-small cell lung cancer. Fujita J, et al. **Jpn J Cancer Res** 1985 Sep; 76(9):902–5

Vindesine in plasma cell tumors. Salvagno L, et al. **Tumori** 1985 Dec 31;71(6):533–6

[Phase II and III studies of vindesine in children with leukemia and lymphoma] Ise T, et al. **Rinsho Ketsueki** 1986 Feb;27(2):149–57 (Eng. Abstr.) **(Jpn)**

VINYL CHLORIDE see under **VINYL COMPOUNDS**

VINYL COMPOUNDS

The effect of a vinyl floor surface and a carpeted floor surface upon walking in elderly hospital in-patients. Willmott M. **Age Ageing** 1986 Mar;15(2):119–20

ADVERSE EFFECTS

Vasculitic purpura in vinyl chloride disease: a case report. Magnavita N, et al. **Angiology** 1986 May;37(5):382–8

Exposure to vinyl chloride and angiosarcoma of the liver: a report of the register of cases. Forman D, et al. **Br J Ind Med** 1985 Nov;42(11):750–3

Polyneuropathy in workers with long exposure to vinyl chloride. Electrophysiological study. Perticoni GF, et al. **Electromyogr Clin Neurophysiol** 1986 Jan–Feb;26(1):41–7

[Problems of women working in vinyl chloride manufacturing plants] Panova Z. **Akush Ginekol (Sofiia)** 1985;24(6):75–80 (Eng. Abstr.) **(Bul)**

[Liver enzyme function and humoral immunity in workers exposed to vinyl chloride] Lazarova K, et al. **Probl Khig** 1985;10:74–80 (Eng. Abstr.) **(Bul)**

[Respiratory function study of workers engaged in vinyl chloride and polyvinyl chloride manufacture] Peneva M, et al. **Probl Khig** 1985;10:66–73 (Eng. Abstr.) **(Bul)**

ANALYSIS

Laboratory evaluation of stain-length passive dosimeters for monitoring of vinyl chloride and ethylene oxide. Gonzalez LA, et al. **Am Ind Hyg Assoc J** 1985 Oct;46(10):591–8

A calorimetric study of the interaction of synthetic phospholipid liposomes with vinyl monomers, acrylates and methacrylates. Fujisawa S, et al. **J Biomed Mater Res** 1984 Nov–Dec;18(9):1105–14

CHEMICAL SYNTHESIS

Mild and regiospecific synthesis of 18F-labelled vinyl fluoride using [18F]fluorine reacted with silane. Di Raddo P, et al. **Int J Appl Radiat Isot** 1985 Dec;36(12):953–6

Synthesis and antiviral properties of 5-(2-substituted vinyl)-6-aza-2'-deoxyuridines. Mitchell WL, et al. **J Med Chem** 1986 May;29(5):809–16

METABOLISM

Metabolism and pharmacokinetics of vinyl acetate. Simon P, et al. **Arch Toxicol** 1985 Aug;57(3):191–5

p-Nitrophenyl vinyl ether, a novel substrate for the assay of cytochrome P-450 dependent olefinic epoxidation in hepatic microsomes. Isobe M, et al. **J Pharmacobiodyn** 1985 Aug;8(8):614–22

Vinyl acetate: DNA-binding assay in vivo. Simon P, et al. **Toxicol Lett** 1985 Sep;27(1–3):115–20

PHARMACODYNAMICS

Induction and persistence of SCE-inducing damage in human lymphocytes exposed to vinyl acetate and acetaldehyde in vitro. He SM, et al. **Mutat Res** 1985 Dec;158(3):201–8

[Inhibition of lactate and malate dehydrogenase by dyes containing vinylsulfone and chlorotriazine groups] Markina VL, et al. **Biokhimiia** 1986 Feb;51(2):306–12 (Eng. Abstr.) **(Rus)**

POISONING

[French legislation concerning vibration-induced disease and vinyl chloride poisoning] Proteau J, et al. **J Mal Vasc** 1985; 10(4):264–74 (Eng. Abstr.) **(Fre)**

[Experimental studies of acute and chronic toxic effects of vinyl acetate] Czajkowska T, et al. **Med Pr** 1986; 37(1):26–36 (Eng. Abstr.) **(Pol)**

TOXICITY

Vinyl acetate, a structural analog of vinyl carbamate, fails to induce enzyme-altered foci in rat liver. Laib RJ, et al. **Carcinogenesis** 1986 May;7(5):841–3

Effect of vinyl chloride on testis in rats. Bi WF, et al. **Ecotoxicol Environ Safety** 1985 Dec;10(3):281–9

Assessment of tissue reactions to biomaterials: a model system using the foreign body response in the mouse lung to intravenously injected divinyl copolymer beads. Hood CI, et al. **J Biomed Mater Res** 1984 Nov–Dec;18(9):1031–47

Occupational exposure and brain tumors. Moss AR. **J Toxicol Environ Health** 1985;16(5):703–11

Application of the "filter model" to a risk assessment for vinyl chloride. Olson CS, et al. **J Toxicol Environ Health** 1986; 17(1):1–22

Induction of chromosome aberrations by styrene and vinylacetate in cultured human lymphocytes: dependence on erythrocytes. Jantunen K, et al. **Mutat Res** 1986 Jan–Feb;159(1–2):109–16

DNA cross-links in human leucocytes treated with vinyl acetate and acetaldehyde in vitro. Lambert B, et al. **Mutat Res** 1985 Nov;146(3):301–3

VIOLENCE

see related
RIOTS

Suicidal behaviour in major depressive illness. Linkowski P, et al. **Acta Psychiatr Scand** 1985 Sep;72(3):233–8

Adolescents self-report of violence in families and dating relations. Roscoe B, et al. **Adolescence** 1985 Fall; 20(79):545–53

Battering during pregnancy. Helton A. **Am J Nurs** 1986 Aug; 86(8):910–3

Where do women turn? Snodgrass F. **Am J Nurs** 1986 Aug; 86(8):912

Histories of violence in an outpatient population: an exploratory study. Herman JL. **Am J Orthopsychiatry** 1986 Jan;56(1):137–41

Similarities in behavioral and social maladjustment among child victims and witnesses to family violence. Jaffe P, et al. **Am J Orthopsychiatry** 1986 Jan;56(1):142–6

Family violence and child adjustment: a comparative analysis of girls' and boys' behavioral symptoms. Jaffe P, et al. **Am J Psychiatry** 1986 Jan;143(1):74–7

Characteristics of assaultive patients who do and do not provide visible cues of potential violence. Tanke ED, et al. **Am J Psychiatry** 1985 Dec;142(12):1409–13

Violence and the health care "family" [editorial]Chinn PL. **ANS** 1986 Jul;8(4):ix–x

Violence in Greenland. Jørgensen B. **Aretic Med Res** 1985; 40:65–8

Airport preparedness for mass disaster: a proposed schematic plan. Barbash GI, et al. **Aviat Space Environ Med** 1986 Jan;57(1):77–81

Trends in alcohol consumption and violent deaths. Skog OJ.

Br J Addict 1986 Jun;81(3):365–79
Psychopathy and dangerousness: comparison, integration and extension of two psychopathic typologies. Heilbrun AB Jr, et al. Br J Clin Psychol 1985 Sep;24 (Pt 3):181–95
On serious violence during sleep–walking [letter] Br J Psychiatry 1986 Apr;148:476–7
Violence and Asperger's syndrome: a case study. Mawson D, et al. Br J Psychiatry 1985 Nov;147:566–9
On serious violence during sleep–walking. Oswald I, et al. Br J Psychiatry 1985 Dec;147:688–91
Motives for offending among violent and psychotic men. Taylor PJ. Br J Psychiatry 1985 Nov;147:491–8
Compensation for attacks by patients. Br Med J [Clin Res] 1985 Nov 23;291(6507):1496
Victims and families of violent psychiatric patients. Binder RL, et al. Bull Am Acad Psychiatry Law 1986;14(2):131–9
Can psychiatry contribute to gun control? Bromberg W. Bull Am Acad Psychiatry Law 1985;13(2):129–37
Violence against animals and people: is aggression against living creatures generalized? Felthous AR, et al. Bull Am Acad Psychiatry Law 1986;14(1):55–69
The multidimensional assessment of dangerousness: competence assessment in patient care and liability prevention. Gutheil TG, et al. Bull Am Acad Psychiatry Law 1986;14(2):123–9
Violence and official diagnostic nomenclature. Harry B. Bull Am Acad Psychiatry Law 1985;13(4):385–8
Children who witness violence: tortious aspects. Malmquist CP. Bull Am Acad Psychiatry Law 1985;13(3):221–31
The harassment of forensic psychiatrists outside of court. Miller RD. Bull Am Acad Psychiatry Law 1985; 13(4):337–43
Is there an assault syndrome? Modlin HC. Bull Am Acad Psychiatry Law 1985;13(2):139–45
Mass, serial and sensational homicides. Dietz PE. Bull NY Acad Med 1986 Jun;62(5):477–91
Mass, serial and sensational homicides: the investigative perspective. Geberth VJ. Bull NY Acad Med 1986 Jun; 62(5):492–6
Assaultive violence as a contagious social process. Loftin C. Bull NY Acad Med 1986 Jun;62(5):550–5
Patterns of homicide victimization in the city of Los Angeles, 1970–79. Mercy JA, et al. Bull NY Acad Med 1986 Jun; 62(5):427–45
Medical deterrents. Nordlicht S. Bull NY Acad Med 1986 Jun;62(5):582–8
Homicide: epidemiologic analysis at the national level. Rosenberg ML, et al. Bull NY Acad Med 1986 Jun; 62(5):376–99
Sexual violence. Sadoff RL. Bull NY Acad Med 1986 Jun; 62(5):466–76
Predicting violence leading to homicide. Steadman HJ. Bull NY Acad Med 1986 Jun;62(5):570–81
Domestic violence and homicide antecedents. Straus MA. Bull NY Acad Med 1986 Jun;62(5):446–65
Medical care costs of intrafamily assault and homicide. Straus MA. Bull NY Acad Med 1986 Jun;62(5):556–61
Gun control. Zimring FE. Bull NY Acad Med 1986 Jun; 62(5):615–21
Violent childhood deaths in Brazil. de Mello Jorge MH, et al. Bull Pan Am Health Organ 1985;19(3):288–99
Family violence and psychiatric disorder. Bland R, et al. Can J Psychiatry 1986 Mar;31(2):129–37
A comparison of the manifest content in dreams of suicidal, depressed and violent patients. Firth ST, et al. Can J Psychiatry 1986 Feb;31(1):48–53
Violence and youth. Shamsie SJ. Can J Psychiatry 1985 Nov; 30(7):498–503
International Year of Youth [editorial] Weiss G. Can J Psychiatry 1985 Nov;30(7):465–6
The two highest priorities in public health [editorial] Last JM. Can J Public Health 1986 Jan–Feb;77(1):5–8 (Eng, Fre)
Capital punishment: answer to violence and crime? [letter] Can Med Assoc J 1986 Jul 15;135(2):106–7
Psychopathology and violence: a review of literature. Krakowski M, et al. Compr Psychiatry 1986 Mar–Apr; 27(2):131–48 (75 ref.)
Epilepsy and violence: medical and legal issues. Treiman DM. Epilepsia 1986;27 Suppl 2:S77–104
Violence and the accident and emergency department. Morgan MM, et al. Health Bull (Edinb) 1985 Nov; 43(6):278–82
The many faces of violence [editorial] Berkman B. Health Soc Work 1986 Spring;11(2):82–3
Violence in America: an emerging public health problem. Kissel SJ. Health Soc Work 1986 Spring;11(2):153–5
Helping the employee victim of violence in hospitals. Engel F, et al. Hosp Community Psychiatry 1986 Feb;37(2):159–62
Family violence: principles of intervention and prevention. Goodwin J. Hosp Community Psychiatry 1985 Oct; 36(10):1074–9
Curbing TV on the wards [letter] Leong GB. Hosp Community Psychiatry 1986 Jun;37(6):636
Effects of a weapon screening procedure in a psychiatric emergency room. McCulloch LE, et al. Hosp Community Psychiatry 1986 Aug;37(8):837–8
Affective disorders and violence in adolescents. Miller D. Hosp Community Psychiatry 1986 Jun;37(6):591–6
NIMH report. Panel recommends comprehensive program for victims of violent crime. Rich RF, et al. Hosp Community Psychiatry 1986 May;37(5):437–8, 445
Managing violence [letter] Thackrey M. Hosp Community Psychiatry 1986 May;37(5):512
Hospitals: new targets of antiabortion violence? McCormick B. Hospitals 1986 Mar 5;60(5):109
Hostilité, conformité, fraternité: the group dynamics of terrorist behavior. Post JM. Int J Group Psychother 1986 Apr;36(2):211–24
The dangerousness standard: what is it and how is it used? Meltrović SG, et al. Int J Law Psychiatry 1986;8(4):443–69
Political terrorists: dangers of diagnosis and an alternative to the psychopathology model. Shaw ED. Int J Law Psychiatry 1986;8(3):359–68
The effects of alcohol and anger on interest in violence, erotica, and deviance. George WH, et al. J Abnorm Psychol 1986 May;95(2):150–8
Cognitive processes and violent behaviour in young people. May JM. J Adolesc 1986 Mar;9(1):17–27
Acute care for the violent patient. Reid GW. J Arkansas Med Soc 1986 Apr;82(11):541–3
Personality mechanisms of alcohol–related violence. Holcomb WR, et al. J Clin Psychol 1985 Sep;41(5):714–22
Mental health correlates of criminal victimization: a random community survey. Kilpatrick DG, et al. J Consult Clin Psychol 1985 Dec;53(6):866–73
Relationship of masculinity to self–esteem and self–acceptance in female professionals, college students, clients, and victims of domestic violence. Long VO. J Consult Clin Psychol 1986 Jun;54(3):323–7
Children of battered women: the relation of child behavior to family violence and maternal stress. Wolfe DA, et al. J Consult Clin Psychol 1985 Oct;53(5):657–65
Emergency physicians' duty to warn and protect: a critique and guidelines. Pointer JE, et al. J Emerg Med 1986; 4(1):75–8
The effects of television form and violent content on boys' attention and social behavior. Potts R, et al. J Exp Child Psychol 1986 Feb;41(1):1–17
Suicidal history of defendants and offenders. Heller MS, et al. J Gen Psychol 1985 Apr;112(2):221–3
The spectrum of fetal abuse in pregnant women. Condon JT. J Nerv Ment Dis 1986 Sep;174(9):509–16
Violence, civil commitment, and hospitalization. McNiel DE, et al. J Nerv Ment Dis 1986 Feb;174(2):107–11
Characteristics of psychiatric patients who engage in assaultive or other fear–inducing behaviors. Rossi AM, et al. J Nerv Ment Dis 1986 Mar;174(3):154–60
Gender and victimization by intimates. Walker LE, et al. J Pers 1985 Jun;53(2):179–95
Air pollution, weather, and violent crimes: concomitant time–series analysis of archival data. Rotton J, et al. J Pers Soc Psychol 1985 Nov;49(5):1207–20
The hostile media' phenomenon: biased perception and perceptions of media bias in coverage of the Beirut massacre. Vallone RP, et al. J Pers Soc Psychol 1985 Sep; 49(3):577–85
Male violence toward females: victim and aggressor variables. Richardson D, et al. J Psychol 1985 Mar; 119(2):129–35
Intellectual profiles and violent behavior in juvenile delinquents. Tarter RE, et al. J Psychol 1985 Mar; 119(2):125–8
Labeling public aggression: when is it terrorism? Simmons CH, et al. J Soc Psychol 1985 Apr;125(2):245–51
Violence hits public health: Surgeon General [news] Marwick C. JAMA 1986 May 23–30;255(20):2720, 2723
Secure accommodation in psychiatric hospitals [letter] Scannell TD. Lancet 1986 Aug 9;2(8502):347
Negligence without malpractice. Broadening liability for psychiatrists who release dangerous mental patients. Felthous AR. Med Law 1985;4(5):453–62
Aggressive incidents in a secure hospital. Dooley E. Med Sci Law 1986 Apr;26(2):125–30
Violence and the doctor: 'ethics'. Emson HE. Med Sci Law 1986 Jul;26(3):218–24
Patient assaults on staff in a psychiatric hospital: a two–year retrospective study. Hodgkinson PE, et al. Med Sci Law 1985 Oct;25(4):288–94
Delusions of poisoning. Mawson D. Med Sci Law 1985 Oct; 25(4):279–87
Violence and resources: factors determining admission to an interim secure unit. Offen L, et al. Med Sci Law 1985 Jul; 25(3):165–71
Medical concepts in psychopathy and violence. Weller MP. Med Sci Law 1986 Apr;26(2):131–43
Biological terrorism: a direct threat to our livestock industry. Gordon JC, et al. Milit Med 1986 Jul;151(7):357–63
Racial differences in accidental and violent deaths among U.S. Navy personnel. Palinkas LA. Milit Med 1985 Nov; 150(11):587–92
The Beirut terrorist bombing. Scott BA, et al. Neurosurgery 1986 Jan;18(1):107–10
A validation of the defining characteristics of the nursing diagnosis "potential for violence".Munns DC. Nurs Clin North Am 1985 Dec;20(4):711–22
Does violent television produce aggressive children? Singer DG. Pediatr Ann 1985 Dec;14(12):804, 807–10 (37 ref.)
Violent deaths among adolescents in Switzerland. From epidemiology to prevention. Michaud PA. Pediatrician 1983–85;12(1):28–36
Geophysical variables and behavior: XXIX. Impact of atmospheric conditions on occurrences of individual violence among Canadian penitentiary populations. Ganjavi O, et al. Percept Mot Skills 1985 Aug;61(1):259–75
Dealing with the violent patient. Management strategies to avoid common errors. Levenson JL. Postgrad Med 1985 Oct;78(5):329–35
Constructing an efficient inpatient incident reporting system. Way BB, et al. Psychiatr Q 1986 Summer;57(2):147–52
Trends in New York State secure care patients: 1980–1982. Way BB. Psychiatr Q 1985 Spring;57(1):51–8
Police performance in resolving family disputes: what makes the difference? Bandy C, et al. Psychol Rep 1986 Jun; 58(3):743–56
Attitudes of police toward violence. Brodsky SL, et al. Psychol Rep 1985 Dec;57(3 Pt 2):1179–80
Considerations in diagnosis and management of violent behavior. Curtis JM. Psychol Rep 1985 Dec;57(3 Pt 1):815–23
National character and rates of personal violence (suicide and homicide). Lester D, et al. Psychol Rep 1986 Feb; 58(1):186
Benzodiazepines combined with neuroleptics for management of severe disruptive behavior. Salzman C, et al. Psychosomatics 1986 Jan;27(1 Suppl):17–22
The Leesburg amendment to the social contract: public health and violence [editorial] Koop CE. Public Health Rep 1986 Jan–Feb;101(1):1
Incident reporting: evaluation of New York's pilot incident logging system. Braff J, et al. QRB 1986 Mar;12(3):90–8
Profiling disruptive patient incidents. Eisenberg MG, et al. QRB 1985 Aug;11(8):245–8
Clinical prediction of the violent patient. Soria ME, et al. RI Med J 1985 Dec;68(12):549–51
Effect of civil unrest on the incidence of violent and non–natural deaths. Knobel GJ. S Afr Med J 1986 Jul 19; 70(2):83–8
Cause– and age–specific mortality rates from accidents, poisoning and violence. Wyndham CH. S Afr Med J 1986 Apr 26;69(9):559–62
Deaths from accidents, poisoning and violence—differences between the various population groups in the RSA. Wyndham CH. S Afr Med J 1986 Apr 26;69(9):559–62
Our violent society [letter] Payne AR. Vet Rec 1985 Dec 14;117(24):648
Our violent society [letter] Turner T. Vet Rec 1986 Feb 15; 118(7):191
[Hospitalization because of injuries intentionally inflicted by others] Hoogendoorn D. Ned Tijdschr Geneeskd 1986 Jun 7;130(23):1063–5 (Eng. Abstr.) (Dut)
[Apropos of the acting–out of an adolescent. Onset of paranoid psychosis or "terrorist syndrome"?]Sichel JP, et al. Ann Med Psychol (Paris) 1985 Apr;143(4):370–5 (Fre)
[Violent crimes and LSD poisoning] Bratzke H, et al. Beitr Gerichtl Med 1985;43:179–86 (Eng. Abstr.) (Ger)
[Violence against children and the public health service] Petri H. Off Gesundheitswes 1985 Aug;47(8):353–6 (Ger)
[Motivational aspects in crimes of sexual violence] Aguglia E, et al. Minerva Psichiatr 1985 Apr–Jun;26(2):189–92 (Ita)
[The elderly: various considerations on violence] Azzaro E, et al. Minerva Psichiatr 1985 Apr–Jun;26(2):171–2 (Ita)
[An aspect of violence: the pathology of movement in the cognitive structure of neurotic and healthy subjects]Caruso F, et al. Minerva Psichiatr 1986 Apr–Jun;27(2):181–5 (Eng. Abstr.) (Ita)
[Violence in the family] Costa E. Minerva Psichiatr 1985 Apr–Jun;26(2):137–42 (Ita)
[Years gone by to no avail: the resort to violence in politics] Devoto A. Minerva Psichiatr 1985 Apr–Jun;26(2):107–11 (Ita)
[Generational struggle: violence of the young and violence against the young] Majore I. Minerva Psichiatr 1985 Apr–Jun;26(2):143–6 (Ita)
[Violence of the sacred savage] Percipalle C, et al. Minerva Psichiatr 1986 Jan–Mar;27(1):27–32 (Eng. Abstr.) (Ita)
[The violence of power] Prini P. Minerva Psichiatr 1985 Apr–Jun;26(2):113–6 (Ita)
[Violence as seen by the psychiatrist] Rapisarda V. Minerva Psichiatr 1985 Apr–Jun;26(2):101–5 (Ita)
[Cognitive modeling and violence in soccer] Reda MA, et al. Minerva Psichiatr 1985 Apr–Jun;26(2):167–70 (Ita)
[The individual in a violent society] Sacca A. Minerva Psichiatr 1985 Apr–Jun;26(2):147–8 (Ita)
[Psychology and politics. Attempt at a psychopathologic interpretation of terrorism] Vizioli R. Minerva Psichiatr 1985 Apr–Jun;26(2):159–66 (Ita)
[Characteristics of violent death in the Moldavian SSR in the past 20 years] Maksimov PI, et al. Sud Med Ekspert 1985 Oct–Dec;28(4):25–6 (Eng. Abstr.) (Rus)

DIAGNOSIS

Variables that predict assaultiveness in child psychiatric inpatients. Pfeffer CR, et al. J Am Acad Child Psychiatry 1985 Nov;24(6):775–80

PHYSIOPATHOLOGY

Violence seen as public health issue [news] Holden C. Science 1985 Dec 13;230(4731):1257

VIOLOGENS see under **PYRIDINIUM COMPOUNDS**

VIPER VENOMS

Disseminated intravascular coagulation following Echis carinatus venom in dogs: effects of a synthetic thrombin inhibitor. Schaeffer RC Jr, et al. **J Lab Clin Med** 1986 Jun; 107(6):488–97

[The quantities of dried venom collected from specimens of Vipera ammodytes L., 1758 (Reptilia, Viperidae) in captivity in Bulgaria] Slavtchev RS.
Arch Inst Pasteur Tunis 1985 Dec;62(4):385–95 (Eng. Abstr.) (Fre)

ANALYSIS

Purification and properties of arginine esterases from Bitis arietans (puff adder) venom. Joubert FJ, et al.
Int J Biochem 1985;17(12):1293–8

Inhibition of rabbit platelet aggregation by alpha-fibrinogenase purified from Calloselasma rhodostoma (Malayan pit viper) venom. Ouyang C, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Nov;84(11):1197–206

Isolation and characterization of an anticoagulant proteinase, cerastase F-4, from Cerastes cerastes (Egyptian sand viper) venom. Daoud E, et al. **Thromb Res** 1986 Apr 1;42(1):55–62

Mechanism of the anticoagulant, Cerastase F-4, isolated from Cerastes cerastes (Egyptian sand viper) venom. Daoud E, et al. **Thromb Res** 1986 Mar 15;41(6):791–9

Isolation and characterization of a proteolytic factor from the venom of Vipera palaestinae. Nakar O, et al.
Toxicon 1986;24(3):293–304

Determination of factor X activator in the venom of the saw-scaled viper (Echis carinatus). Stocker K, et al.
Toxicon 1986;24(3):313–5

Chromogenic assay for the prothrombin activator ecarin from the venom of the saw-scaled viper (Echis carinatus). Stocker K, et al. **Toxicon** 1986;24(1):81–9

Chemical studies on protease A of Bitis arietans (puff adder) venom. Strydom DJ, et al. **Toxicon** 1986;24(3):247–57

BLOOD

Clinical significance of venom antigen levels in patients envenomed by the Malayan pit viper (Calloselasma rhodostoma). Ho M, et al. **Am J Trop Med Hyg** 1986 May; 35(3):579–87

DIAGNOSTIC USE

On the quantification of prothrombin from different species using Echis carinatus as activator. Tollersrud OK, et al. **Thromb Res** 1986 Jun 15;42(6):737–47

IMMUNOLOGY

Use of liposomes for protective immunisation in sheep against Echis carinatus snake venom. Theakston RD, et al.
Toxicon 1985;23(6):921–5

[Immunological study and hemolytic activity of the venom of the horned viper, Cerastes cerastes (Linne, 1758) (Reptilia, Viperidae)] Slavtchev RS.
Arch Inst Pasteur Tunis 1985 Sep;62(3):269–80 (Eng. Abstr.) (Fre)

ISOLATION & PURIFICATION

Isolation and characterization of nerve growth factor from Vipera berus berus (common viper) venom. Siigur J, et al. **Comp Biochem Physiol [B]** 1986;83(3):621–5

Thrombin-like enzyme from the venom of Bitis gabonica. Purification, properties, and coagulant actions. Pirkle H, et al. **J Biol Chem** 1986 Jul 5;261(19):8830–5

PHARMACODYNAMICS

Snake venom lectins: a new group of T- and B-cell mitogenic anti-galactans. Helmbold W, et al.
Biomed Biochim Acta 1985;44(11–12):K91–6

Coagulation of plasma from the chicken (Gallus domesticus): phospholipids influence clotting rates induced by components from Russell's viper venom. Johnson GS, et al. **Comp Biochem Physiol [B]** 1985;82(4):647–53

Relaxant effect of phospholipase A2 from Vipera russelli snake venom on rat aorta. Huang HC, et al.
Eur J Pharmacol 1985 Nov 26;118(1–2):139–46

Regression of rifampicin and 7-azatryptophan induced multiple heterocysts by viper venom in Anabaena ARM 314. Grover IS, et al. **Indian J Exp Biol** 1985 Mar; 23(3):151–3

Effect of Russell's viper venom phospholipase A on blood coagulation and platelet aggregation. Teng CM, et al.
Semin Thromb Hemost 1985 Oct;11(4):367–72

Enzymatic inactivation of heparin cofactor II by a proteinase (proteinase-1) isolated from Echis carinatus venom. Griffith MJ, et al. **Thromb Res** 1985 Sep 15;39(6):659–69

The effects of Gaboon viper (Bitis gabonica) venom on the electrical and mechanical activity of the guinea-pig myocardium. Allioatti G, et al. **Toxicon** 1986;24(1):47–61

A platelet function inhibitor purified from Vipera russelli siamensis (Smith) snake venom. Li YS, et al. **Toxicon** 1985; 23(6):895–903

Effect of venom from Bitis nasicornis (rhinoceros horned viper) on isolated rabbit aortic strips. Tilmisany AK, et al. **Toxicon** 1986;24(3):309–12

Effect of Russell's viper (Vipera russelli siamensis) venom on renal hemodynamics in dogs. Tungthanathanich P, et al. **Toxicon** 1986;24(4):365–71

TOXICITY

The neurotoxic complex from the venom of Pseudocerastes fieldi. Contribution of the nontoxic subunit. Bdolah A, et al. **Biochem Int** 1985 Oct;11(4):627–36

Artificial respiration and survival time in anaesthetized rat after injection of gaboon viper (Bitis gabonica) venom. Gattullo D, et al. **Boll Soc Ital Biol Sper** 1986 Jan 31; 62(1):143–9

Coronary vasospasm as the primary cause of death due to the venom of the burrowing asp, Atractaspis engaddensis. Lee SY, et al. **Toxicon** 1986;24(3):285–91

VIPRYNIUM see PYRVINIUM COMPOUNDS

VIQUIDIL see under QUINOLINES

VIRAL ANTIBODIES see ANTIBODIES, VIRAL

VIRAL ANTIGENS see ANTIGENS, VIRAL

VIRAL CONJUNCTIVITIS see CONJUNCTIVITIS, VIRAL

VIRAL CORE PROTEINS

Study of the circular dichroism of bacteriophage phi 6 and phi 6 nucleocapsid. Steely HT Jr, et al. **Biopolymers** 1986 Jan;25(1):171–88

ANALYSIS

Detection of main core proteins of simian C-type viruses and human retrovirus HTLV and antibodies to them in patients with lymphoid malignancies. Tóth FD, et al.
Acta Microbiol Hung 1985;32(3):267–73

Structural proteins of Getah virus isolates from Japan and Malaysia. Srivastava AK, et al. **Acta Virol (Praha)** 1986 Mar;30(2):126–30

Immunohistochemical demonstration of p24 HTLV III major core protein in different cell types within lymph nodes from patients with lymphadenopathy syndrome (LAS). Baroni CD, et al. **Histopathology** 1986 Jan;10(1):5–13

Antigens related to three core proteins of HTLV-I (p24, p19 and p15) and their intracellular localizations, as defined by monoclonal antibodies. Tanaka Y, et al.
Int J Cancer 1986 Jan 15;37(1):35–42

Serological relationships between the nucleocapsids of some planthopper-borne rhabdoviruses of cereals. Milne RG, et al. **Intervirology** 1986;25(2):83–7

Characteristics of fresh isolates of wild measles virus. Sakaguchi M, et al. **Jpn J Exp Med** 1986 Apr;56(2):61–7

Renal cell adenocarcinoma and retrovirus p30-related antigen excreted to urine. Wahlström T, et al.
Lab Invest 1985 Oct;53(4):464–9

Lymphocytic choriomeningitis virus. IX. Properties of the nucleocapsid. Bruns M, et al. **Virology** 1986 May; 151(1):77–85

Localization of P, NP, and M proteins on Sendai virus nucleocapsid using immunogold labeling. Portner A, et al.
Virology 1986 Apr 30;150(2):469–78

RNA-binding proteins of coronavirus MHV: detection of monomeric and multimeric N protein with an RNA overlay-protein blot assay. Robbins SG, et al. **Virology** 1986 Apr 30;150(2):402–10

[Viral type particles in the germinal centers during a lymphadenopathic syndrome related to AIDS] Le Tourneau A, et al. **Ann Pathol** 1985;5(2):137–42 (Eng. Abstr.) (Fre)

BIOSYNTHESIS

Measles virus persistent infection: modification of the virus nucleocapsid protein. Boriskin YuS, et al. **J Gen Virol** 1986 Sep;67 (Pt 9):1979–85

Expression of Lassa virus nucleocapsid gene fragments in bacteria. Clegg JC, et al.
Med Microbiol Immunol (Berl) 1986;175(2–3):93–5

GENETICS

Adenoviral protein VII packages intracellular viral DNA throughout the early phase of infection. Chatterjee PK, et al. **EMBO J** 1986 Jul;5(7):1633–44

Products of the "X" gene in hepatitis B and related viruses. Feitelson MA. **Hepatology** 1986 Mar-Apr;6(2):191–8

Transcriptional and translational mapping and nucleotide sequence analysis of a vaccinia virus gene encoding the precursor of the major core polypeptide 4b. Rosel J, et al. **J Virol** 1985 Dec;56(3):830–8

Use of a bacterial expression vector to identify the gene encoding a major core protein of vaccinia virus. Weir JP, et al. **J Virol** 1985 Nov;56(2):534–40

Functional cDNA library for efficient expression of measles virus-specific gene products in primate cells. Wong TC, et al. **J Virol** 1986 Jan;57(1):343–8

Arenaviruses have ambisense S RNA. Bishop DH.
Med Microbiol Immunol (Berl) 1986;175(2–3):61–2

A major retroviral core protein related to EPA and TIMP. Patarca R, et al. **Nature** 1985 Nov 28–Dec 4;318(6044):390

Sequence of 2,617 nucleotides from the 3' end of Newcastle disease virus genome RNA and the predicted amino acid sequence of viral NP protein. Ishida N, et al.
Nucleic Acids Res 1986 Aug 26;14(16):6551–64

Isolation and characterization of a lambda bacteriophage mutant able to grow on an Escherichia coli nusA-1 host. Vaca Pacheco S, et al. **Rev Latinoam Microbiol** 1985 Apr-Jun;27(2):151–6

Molecular cloning of Lassa virus RNA: nucleotide sequence and expression of the nucleocapsid protein gene. Clegg JC, et al. **Virology** 1985 Jul 30;144(2):363–72

Molecular cloning and sequence analysis of the human parainfluenza 3 virus RNA encoding the nucleocapsid protein. Galinski MS, et al. **Virology** 1986 Mar; 149(2):139–51

Sequence analysis of the porcine transmissible gastroenteritis coronavirus nucleocapsid protein gene. Kapke PA, et al. **Virology** 1986 May;151(1):41–9

Conserved structures among the nucleocapsid proteins of the paramyxoviridae: complete nucleotide sequence of human parainfluenza virus type 3 NP mRNA. Sánchez A, et al. **Virology** 1986 Jul 15;152(1):171–80

Coxsackievirus B3: primary structure of the 5' non-coding and capsid protein-coding regions of the genome. Tracy S, et al. **Virus Res** 1985 Oct;3(3):263–70

[Primary structure of the full-size DNA copy of the NP gene of influenza virus A/Kiev/59/79 (H1N1)] Beklemishev AB, et al. **Bioorg Khim** 1986 Mar;12(3):369–74 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Recognition of cloned vesicular stomatitis virus internal and external gene products by cytotoxic T lymphocytes. Yewdell JW, et al. **J Exp Med** 1986 Jun 1;163(6):1529–38

Antigenic sites on the ERA rabies virus nucleoprotein and non-structural protein. Lafon M, et al. **J Gen Virol** 1985 Oct;66 (Pt 10):2125–33

Recognition of influenza A virus nucleoprotein by human cytotoxic T lymphocytes. McMichael AJ, et al.
J Gen Virol 1986 Apr;67 (Pt 4):719–26

C-terminal region of human T cell lymphotropic virus type I (HTLVI) p19 core protein is immunogenic in humans and contains an HTLVI-specific epitope. Palker TJ, et al.
J Immunol 1986 Apr 1;136(7):2393–7

Identification of a dominant immunogenic epitope of the nucleocapsid (HBc) of the hepatitis B virus. Waters JA, et al. **J Med Virol** 1986 May;19(1):79–86

The gp135 of caprine arthritis encephalitis virus affords greater sensitivity than the p28 in immunodiffusion serology. Adams DS, et al. **Res Vet Sci** 1986 Mar; 40(2):157–60

ISOLATION & PURIFICATION

Purification and characterization of simian foamy virus type I structural core polypeptides. Benzair AB, et al.
Arch Virol 1986;87(1–2):87–96

[Isolation of the internal proteins of the influenza virus by preparative polyacrylamide gel electrophoresis for obtaining monospecific antisera] Zagidullin NV, et al.
Vopr Virusol 1985 Nov-Dec;30(6):665–8 (Eng. Abstr.) (Rus)

METABOLISM

In vitro transcription of a chromatin-like complex of major core protein VII and DNA of adenovirus serotype 2. Nakanishi Y, et al. **Biochem Biophys Res Commun** 1986 Apr 14;136(1):86–93

Polyamines stimulate DNA-dependent RNA synthesis catalyzed by vaccinia virus. Moussatché N.
Biochim Biophys Acta 1985 Nov 13;826(2–3):113–20

Location of influenza virus M, NP and NS1 proteins in microinjected cells. Davey J, et al. **J Gen Virol** 1985 Nov; 66 (Pt 11):2319–34

Phosphorylation of the N and M1 proteins of rabies virus. Tuffereau C, et al. **J Gen Virol** 1985 Oct;66 (Pt 10):2285–9

Identification of proteins and protein domains that contact DNA within adenovirus nucleoprotein cores by ultraviolet light crosslinking of oligonucleotides 32P-labelled in vivo. Chatterjee PK, et al. **J Mol Biol** 1986 Mar 5;188(1):23–37

Vesicular stomatitis virus N and NS proteins form multiple complexes. Davis NL, et al. **J Virol** 1986 Sep;59(3):751–4

Analysis of nuclear accumulation of influenza nucleoprotein antigen using a temperature-sensitive mutant. Hamaguchi M, et al. **Microbiol Immunol** 1985;29(11):1131–7

Comparison of the interactions of the adenovirus type 2 major core protein and its precursor with DNA. Chatterjee PK, et al. **Nucleic Acids Res** 1986 Mar 25;14(6):2721–35

The intracellular half-lives of nonreplicating nucleocapsids of DI particles of wild type and mutant strains of vesicular stomatitis virus. DePolo NJ, et al. **Virology** 1986 Jun; 151(2):371–8

Cytoskeleton-associated Pr65gag and assembly of retrovirus temperature-sensitive mutants in chronically infected cells. Edbauer CA, et al. **Virology** 1984 Apr 30;134(2):389–97

Transcriptive complex of Newcastle disease virus. II. Structural and functional assembly associated with the cytoskeletal framework. Hamaguchi M, et al. **Virology** 1985 Dec;147(2):295–308

The repeated regions of Semliki Forest virus defective-interfering RNA interferes with the encapsidation process of the standard virus. Jalanko A, et al. **Virology** 1985 Mar;141(2):257–66

Identification of a transfer of viral core protein to cellular ribosomes during the early stages of alphavirus infection. Wengler G, et al. **Virology** 1984 Apr 30;134(2):435–42

Possible role of ADP-ribosylation of adenovirus core

proteins in virus infection. Déry CV, et al. **Virus Res** 1986 Jun;4(4):313–29
Glycosylation of purified enveloped nucleocapsids of the granulosis virus infecting Plodia interpunctella as determined by lectin binding. Russell DL, et al. **Virus Res** 1985 Dec;4(1):83–91

PHYSIOLOGY

Transcription antitermination during influenza viral template RNA synthesis requires the nucleocapsid protein and the absence of a 5' capped end. Beaton AR, et al. **Proc Natl Acad Sci USA** 1986 Sep;83(17):6282–6
The nucleoprotein as a possible major factor in determining host specificity of influenza H3N2 viruses. Scholtissek C, et al. **Virology** 1985 Dec;147(2):287–94

VIRAL ENVELOPE PROTEINS

Backbone dynamics of a model membrane protein: 13C NMR spectroscopy of alanine methyl groups in detergent-solubilized M13 coat protein. Henry GD, et al. **Biochemistry** 1986 Feb 11;25(3):590–8
Evidence from pulse radiolysis and flash photolysis of the environment of tryptophan and tyrosine in the coat protein of fd phage. Ghiron CA, et al. **Biochim Biophys Acta** 1986 Feb 14;869(3):363–6
pH-induced alterations in the fusogenic spike protein of Semliki Forest virus. Kielian M, et al. **J Cell Biol** 1985 Dec;101(6):2284–91
On the structure of the acyl linkage and the function of fatty acyl chains in the influenza virus haemagglutinin and the glycoproteins of Semliki Forest virus. Schmidt MF, et al. **J Gen Virol** 1985 Dec;66 (Pt 12):2635–47
Conformational changes in Newcastle disease virus fusion glycoprotein during intracellular transport. McGinnes LW, et al. **J Virol** 1985 Nov;56(2):341–8
Epstein–Barr virus genome may encode a protein showing significant amino acid and predicted secondary structure homology with glycoprotein B of herpes simplex virus 1. Pellett PE, et al. **J Virol** 1985 Dec;56(3):807–13
Purification and amino-terminal protein sequence analysis of the mumps virus fusion protein. Server AC, et al. **Virology** 1985 Jul 30;144(2):373–83
Coronavirus IBV: partial amino terminal sequencing of spike polypeptide S2 identifies the sequence Arg–Arg–Phe–Arg–Arg at the cleavage site of the spike precursor propolypeptide of IBV strains Beaudette and M41. Cavanagh D, et al. **Virus Res** 1986 Feb;4(2):133–43

ADMINISTRATION & DOSAGE

Targeting of loaded Sendai virus envelopes by covalently attached insulin molecules to virus receptor-depleted cells: fusion-mediated microinjection of ricin A and simian virus 40 DNA. Gitman AG, et al. **Proc Natl Acad Sci USA** 1985 Nov;82(21):7309–13

ANALYSIS

Structural proteins of Getah virus isolates from Japan and Malaysia. Srivastava AK, et al. **Acta Virol (Praha)** 1986 Mar;30(2):126–30
Application of a modified computer algorithm in determining potential antigenic determinants associated with the AIDS virus glycoprotein. Pauletti D, et al. **Anal Biochem** 1985 Dec;151(2):540–6
Detection of pre-S1 proteins in serum and liver of HBsAg-positive patients: a new marker for hepatitis B virus infection. Theilmann L, et al. **Hepatology** 1986 Mar–Apr; 6(2):186–90
The use of circular dichroism to study conformational changes induced in Sendai virus envelope glycoproteins. A correlation with the viral fusogenic activity. Citovsky V, et al. **J Biol Chem** 1986 Feb 15;261(5):2235–9
Characterization of a herpes simplex virus type 2-specified glycoprotein with affinity for N-acetylgalactosamine-specific lectins and its identification as gp92K or gG. Olofsson S, et al. **J Gen Virol** 1986 Apr;67 (Pt 4):737–44
Antigenic variation of envelope and internal proteins of mumps virus strains detected with monoclonal antibodies. Rydbeck R, et al. **J Gen Virol** 1986 Feb;67 (Pt 2):281–7
A murine monoclonal antibody recognising a single glycoprotein within a human cytomegalovirus virion envelope glycoprotein complex. Law KM, et al. **J Med Virol** 1985 Nov;17(3):255–66
Hepatitis delta virus: protein composition of delta antigen and its hepatitis B virus-derived envelope. Bonino F, et al. **J Virol** 1986 Jun;58(3):945–50
Characterization of envelope proteins of infectious bovine rhinotracheitis virus (bovine herpesvirus 1) by biochemical and immunological methods. Marshall RL, et al. **J Virol** 1986 Mar;57(3):745–53
Characteristics of fresh isolates of wild measles virus. Sakaguchi M, et al. **Jpn J Exp Med** 1986 Apr;56(2):61–7
Surface expression of influenza virus neuraminidase, an amino-terminally anchored viral membrane glycoprotein, in polarized epithelial cells. Jones LV, et al. **Mol Cell Biol** 1985 Sep;5(9):2181–9
Envelope structure of Semliki Forest virus reconstructed from cryo-electron micrographs. Vogel RH, et al. **Nature** 1986 Apr 10–16;320(6062):533–5
Topographical analysis of epitope relationships on the envelope glycoprotein of yellow fever 17D vaccine and the wild type Asibi parent virus. Cammack N, et al. **Virology** 1986 Apr 30;150(2):333–41
The properties and sequence of glycoprotein H of herpes simplex virus type 1. Gompels U, et al. **Virology** 1986 Sep; 153(2):230–47
Identification and antigenicity of the major envelope glycoprotein of lymphadenopathy-associated virus. Montagnier L, et al. **Virology** 1985 Jul 15;144(1):283–9
Identification of a 65 000 dalton virion envelope protein of human cytomegalovirus. Britt WJ, et al. **Virus Res** 1985 Dec;4(1):31–6
Coronavirus IBV glycopolypeptides: locational studies using proteases and saponin, a membrane permeabilizer. Cavanagh D, et al. **Virus Res** 1986 Feb;4(2):145–56
[Solubilization of glycoproteins from enveloped viruses by detergents] Berezin VE, et al. **Biokhimiia** 1986 May; 51(5):808–15 (Eng. Abstr.) **(Rus)**
[Amino acid sequence of various tryptic peptides of the envelope protein of the tick-borne encephalitis virus] Baram GI, et al. **Bioorg Khim** 1985 Dec;11(12):1677–80 (Eng. Abstr.) **(Rus)**
[Ultrastructural organization of liposomes and isolated glycoproteins of enveloped viruses obtained by using the nonionic detergent MESK] Miller GG, et al. **Vopr Virusol** 1985 May–Jun;30(3):313–21 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Further characterization of virus obtained from herpes simplex virus type 1 recurrences and primary infections. Influence of the temperature of incubation upon glycoprotein synthesis and virus release. Brief report. Costanzo F, et al. **Arch Virol** 1986;88(3–4):293–9
Respiratory syncytial virus glycoprotein expression in human and simian cell lines. Routledge EG, et al. **J Gen Virol** 1986 Sep;67 (Pt 9):2059–64
Synthesis and processing of the envelope gp55–116 complex of human cytomegalovirus. Britt WJ, et al. **J Virol** 1986 Apr;58(1):185–91
Expression in Escherichia coli of a cloned DNA sequence encoding the pre-S2 region of hepatitis B virus. Offensperger W, et al. **Proc Natl Acad Sci USA** 1985 Nov; 82(22):7540–4
Expression at the cell surface of biologically active fusion and hemagglutinin/neuraminidase proteins of the paramyxovirus simian virus 5 from cloned cDNA. Paterson RG, et al. **Proc Natl Acad Sci USA** 1985 Nov;82(22):7520–4

CHEMICAL SYNTHESIS

Secondary structure of a herpes simplex virus glycoprotein D antigenic domain. Williamson MP, et al. **Int J Pept Protein Res** 1986 May;27(5):562–8

CLASSIFICATION

Evidence that the amino acid composition of the particle proteins of plant viruses is characteristic of the virus group. I. Multidimensional classification of plant viruses. Fauquet C, et al. **Intervirology** 1986;25(1):1–13

GENETICS

Studies of TGEV spike protein gp195 expressed in E. coli and by a TGE-vaccinia virus recombinant. Hu S, et al. **Adv Exp Med Biol** 1985;185:63–82
Retroviral endogenous transcripts related to the envelope gene of Friend spleen focus-forming virus in normal mouse tissues. Robert-Lezenes J, et al. **Arch Virol** 1986; 90(1–2):15–28
Biogenesis of plasma membranes in polarized epithelial cells. Rindler MJ. **Biochem Soc Trans** 1986 Feb;14(1):159–61
Predicted membrane topology of the coronavirus protein E1. Rottier PJ, et al. **Biochemistry** 1986 Mar 25;25(6):1335–9
Genetic variation in AIDS viruses. Coffin JM. **Cell** 1986 Jul 4;46(1):1–4
Identification and characterization of conserved and variable regions in the envelope gene of HTLV-III/LAV, the retrovirus of AIDS. Starcich BR, et al. **Cell** 1986 Jun 6; 45(5):637–48
Protease gene structure and env gene variability of the AIDS virus. Yasunaga T, et al. **FEBS Lett** 1986 Apr 21; 199(2):145–50
Use of the deoxyinosine-containing probe to isolate and sequence cDNA encoding the fusion (F) glycoprotein of Sendai virus (HVJ). Miura N, et al. **Gene** 1985; 38(1–3):271–4
Synthesis of fused glycoprotein D of herpes simplex virus type 1 but not type 2 inhibits Escherichia coli hosts. Steinberg DA, et al. **Gene** 1986;43(3):315–7
Expression of immunogenically reactive diphtheria toxin fusion proteins under the control of the pR promoter of bacteriophage lambda. Zettlmeissl G, et al. **Gene** 1986; 41(1):103–11
Role of glycosylation in transport of vesicular stomatitis virus envelope glycoprotein. A new class of mutant defective in glycosylation and transport of G protein. Kotwal GJ, et al. **J Biol Chem** 1986 Jul 5;261(19):8936–43
Sorting and endocytosis of viral glycoproteins in transfected polarized epithelial cells. Gottlieb TA, et al. **J Cell Biol** 1986 Apr;102(4):1242–55
Friend virus-specific cytotoxic T lymphocytes recognize both gag and env gene-encoded specificities. Holt CA, et al. **J Exp Med** 1986 Jul 1;164(1):211–26
Genetic variation within a neutralizing domain on the haemagglutinin-neuraminidase glycoprotein of Newcastle disease virus. Iorio RM, et al. **J Gen Virol** 1986 Jul;67 (Pt 7):1393–403
Nucleotide sequence analysis of the haemagglutinin-neuraminidase gene of Newcastle disease virus. Millar NS, et al. **J Gen Virol** 1986 Sep;67 (Pt 9):1917–27
Genetic restriction of immune responsiveness to synthetic peptides corresponding to sequences in the pre-S region of the hepatitis B virus (HBV) envelope gene. Neurath AR, et al. **J Med Virol** 1985 Oct;17(2):119–25
Expression and regulation of glycoprotein C gene of herpes simplex virus 1 resident in a clonal L-cell line. Arsenakis M, et al. **J Virol** 1986 May;58(2):367–76
Conserved epitopes on the hemagglutinin-neuraminidase proteins of human and bovine parainfluenza type 3 viruses: nucleotide sequence analysis of variants selected with monoclonal antibodies. Coelingh KJ, et al. **J Virol** 1986 Oct;60(1):90–6
Human parainfluenza type 3 virus hemagglutinin-neuraminidase glycoprotein: nucleotide sequence of mRNA and limited amino acid sequence of the purified protein. Elango N, et al. **J Virol** 1986 Feb; 57(2):481–9
Localization and fine structure of a vaccinia virus gene encoding an envelope antigen. Hirt P, et al. **J Virol** 1986 Jun;58(3):757–64
Molecular basis of the glycoprotein C-negative phenotypes of herpes simplex virus type 1 mutants selected with a virus-neutralizing monoclonal antibody. Homa FL, et al. **J Virol** 1986 May;58(2):281–9
Pathogenicity in mice of herpes simplex virus type 2 mutants unable to express glycoprotein C. Johnson DC, et al. **J Virol** 1986 Apr;58(1):36–42
Role of a membrane glycoprotein in Friend virus erythroleukemia: nucleotide sequences of nonleukemogenic mutant and spontaneous revertant viruses. Li JP, et al. **J Virol** 1986 Feb;57(2):534–8
Generation of an inverting herpes simplex virus 1 mutant lacking the L–S junction a sequences, an origin of DNA synthesis, and several genes including those specifying glycoprotein E and the alpha 47 gene. Longnecker R, et al. **J Virol** 1986 May;58(2):583–91
Antigenic variation (mar mutations) in herpes simplex virus glycoprotein B can induce temperature-dependent alterations in gB processing and virus production. Marlin SD, et al. **J Virol** 1986 Jul;59(1):142–53
Characterization of a pseudorabies virus glycoprotein gene with homology to herpes simplex virus type 1 and type 2 glycoprotein C. Robbins AK, et al. **J Virol** 1986 May; 58(2):339–47
Biological and biochemical differences between variants of spleen focus-forming virus can be localized to a region containing the 3' end of the envelope gene. Ruscetti S, et al. **J Virol** 1985 Dec;56(3):717–22
Nucleotide sequences of a feline leukemia virus subgroup A envelope gene and long terminal repeat and evidence for the recombinational origin of subgroup B viruses. Stewart MA, et al. **J Virol** 1986 Jun;58(3):825–34
AKR ecotropic murine leukemia virus SL3-3 forms envelope gene recombinants in vivo. Thomas CY. **J Virol** 1986 Jul; 59(1):23–30
Envelope gene-derived recombinant peptide in the serodiagnosis of human immunodeficiency virus infection [letter] Schulz TF, et al. **Lancet** 1986 Jul 12;2(8498):111–2
Gene expression from both intronless and intron-containing Rous sarcoma virus clones is specifically inhibited by anti-sense RNA. Chang LJ, et al. **Mol Cell Biol** 1985 Sep; 5(9):2341–8
Type 1 human T-cell leukemia virus small envelope protein expressed in mouse cells by using a bovine papilloma virus-derived shuttle vector. Eiden M, et al. **Mol Cell Biol** 1985 Nov;5(11):3320–4
Expression of AIDS virus envelope gene in recombinant vaccinia viruses. Hu SL, et al. **Nature** 1986 Apr 10–16; 320(6062):537–40
DNA sequence of the herpes simplex virus type 1 gene encoding glycoprotein gH, and identification of homologues in the genomes of varicella-zoster virus and Epstein-Barr virus. McGeoch DJ, et al. **Nucleic Acids Res** 1986 May 27;14(10):4281–92
Respiratory syncytial virus envelope glycoprotein (G) has a novel structure. Satake M, et al. **Nucleic Acids Res** 1985 Nov 11;13(21):7795–812
Identification of conserved and divergent domains within the envelope gene of the acquired immunodeficiency syndrome retrovirus. Willey RL, et al. **Proc Natl Acad Sci USA** 1986 Jul;83(14):5038–42
Delay of disease development in transgenic plants that express the tobacco mosaic virus coat protein gene. Abel PP, et al. **Science** 1986 May 9;232(4751):738–43
Transfection of lymphoblastoid cells using DNA-loaded reconstituted Sendai virus envelopes: expression of transfected DNA and selection of transfected cells. Shapiro IM, et al. **Somatic Cell Mol Genet** 1986 Jul;12(4):351–6
The nucleotide sequence of the env gene from the human provirus ERV3 and isolation and characterization of an ERV3-specific cDNA. Cohen M, et al. **Virology** 1985 Dec; 147(2):449–58

Generation of thymotropic envelope gene recombinant virus and induction of lymphoma by ecotropic Moloney murine leukemia virus. Fischinger PJ, et al. **Virology** 1985 Apr 15;142(1):197–205

Sarcoma growth in 1515 x 7(2) chickens infected with avian sarcoma viruses of subgroup B or G. Halpern MS, et al. **Virology** 1984 Apr 30;134(2):472–6

Inhibition of cleavage of Moloney murine leukemia virus gag and env coded precursor polyproteins by cerulenin. Ikuta K, et al. **Virology** 1986 Oct 15;154(1):195–206

Identification and structure of the gene encoding gpII, a major glycoprotein of varicella–zoster virus. Keller PM, et al. **Virology** 1986 Jul 15;152(1):181–91

Sindbis virus mutant ts20 of complementation group E contains a lesion in glycoprotein E2. Lindqvist BH, et al. **Virology** 1986 May;151(1):10–20

Multiple adjacent or overlapping loci affecting the level of gC and cell fusion mapped by intratypic recombinants of HSV–1. Machuca I, et al. **Virology** 1986 Apr 15; 150(1):117–25

Nucleotide sequence of the envelope gene of radiation leukemia virus. Merregaert J, et al. **Virology** 1985 Jul 30; 144(2):457–67

Location of the structural gene of pseudorabies virus glycoprotein complex gII. Mettenleiter TC, et al. **Virology** 1986 Jul 15;152(1):66–75

Complete env gene deletions of three replication–defective strains of Rous sarcoma virus and a model for the origin of their genetic structures. Nunn M, et al. **Virology** 1984 Apr 30;134(2):466–71

The mature form of the Friend spleen focus–forming virus envelope protein, gp65, is efficiently secreted from cells. Pinter A, et al. **Virology** 1985 Jun;143(2):646–50

Thymotropic envelope gene recombinants of Moloney leukemia virus have highly conserved envelope structures. Robey WG, et al. **Virology** 1985 Apr 15;142(1):183–96

Production of mouse mammary tumor virus upon transfection of a recombinant proviral DNA into cultured cells. Salmons B, et al. **Virology** 1985 Jul 15;144(1):101–14

Fusion glycoprotein of human parainfluenza virus type 3: nucleotide sequence of the gene, direct identification of the cleavage–activation site, and comparison with other paramyxoviruses. Spriggs MK, et al. **Virology** 1986 Jul 15; 152(1):241–51

An endogenous virus from Lophortyx quail is the prototype for envelope subgroup I of avian retroviruses. Troesch CD, et al. **Virology** 1985 Jun;143(2):595–602

Ross River virus mutant with a deletion in the E2 gene: properties of the virion, virus–specific macromolecule synthesis, and attenuation of virulence for mice. Vrati S, et al. **Virology** 1986 Jun;151(2):222–32

The endogenous mouse mammary tumour virus locus Mtv–8 contains a defective envelope gene. Salmons B, et al. **Virus Res** 1986 Jun;4(4):377–89

[Expression in human cells of the gene for glycoprotein B from herpes simplex virus inserted in a eukaryotic vector] Gualandri R, et al. **Boll Soc Ital Biol Sper** 1986 Feb 28; 62(2):151–8 (Eng. Abstr.) **(Ita)**

[Construction and properties of the recombinant plasmid intended for the expression of a gene fragment of HTLV–III virus surface protein in Escherichia coli cells] Kovgan AA, et al. **Dokl Akad Nauk SSSR** 1986; 288(2):487–90 **(Rus)**

[Formation of capsid–like structures as a result of expression of the cloned gene of the envelope protein of the RNA–containing bacteriophage fr] Kozlovskaia TM, et al. **Dokl Akad Nauk SSSR** 1986;287(2):452–5 **(Rus)**

IMMUNOLOGY

Immune responses of cattle and mice to the G glycoprotein of vesicular stomatitis virus. Yilma T, et al. **Adv Exp Med Biol** 1985;185:101–15

Ability of monoclonal antibody to herpes simplex virus glycoprotein gB to promote healing of herpetic skin lesions in nude mice. Yamamoto M, et al. **Antiviral Res** 1986 Jul; 6(4):223–31

Immunosuppressive retroviral P15E–related factors in head and neck carcinomas. Tan IB, et al. **Arch Otolaryngol Head Neck Surg** 1986 Sep;112(9):942–5

Antigenic mapping and functional analysis of the F protein of Newcastle disease virus using monoclonal antibodies. Abenes G, et al. **Arch Virol** 1986;90(1–2):97–110

Immunological characterisation of the rubella E 1 glycoprotein. Brief report. Ho–Terry L, et al. **Arch Virol** 1986;90(1–2):145–52

Analysis of rubella virus complement–fixing antigens by polyacrylamide gel electrophoresis. Ho–Terry L, et al. **Arch Virol** 1986;87(3–4):219–28

Immunogenicity of purified glycoprotein gB of herpes simplex virus. Kino Y, et al. **Arch Virol** 1986;89(1–4):69–80

The synergistic neutralization of Newcastle disease virus by two monoclonal antibodies to its haemagglutinin–neuraminidase protein. Russell PH. **Arch Virol** 1986;90(1–2):135–44

Neutralizing activity of the antibodies against two kinds of envelope glycoproteins of Sendai virus. Tozawa H, et al. **Arch Virol** 1986;91(1–2):145–61

Naturally occurring antibody response to DNA is associated with the response to retroviral gp70 in autoimmune New Zealand mice. Shirai T, et al. **Arthritis Rheum** 1986 Feb; 29(2):242–50

Recombinant vaccinia virus induces neutralising antibodies in rabbits against Epstein–Barr virus membrane antigen gp340. Mackett M, et al. **EMBO J** 1985 Dec 1; 4(12):3229–34

1H–NMR assignment and secondary structure of a herpes simplex virus glycoprotein D–1 antigenic domain. Williamson MP, et al. **Eur J Biochem** 1986 Aug 1; 158(3):527–36

Human T–cell leukemia virus type I: pseudotype neutralization of Japanese and American isolates with human and rabbit sera. Hoshino H, et al. **Int J Cancer** 1985 Dec 15;36(6):671–5

Competitive enzyme immunoassays for the rapid detection of antibodies to feline infectious peritonitis virus polypeptides. Fiscus SA, et al. **J Clin Microbiol** 1985 Sep; 22(3):395–401

Response of dairy calves to vaccinia viruses that express foreign genes. Gillespie JH, et al. **J Clin Microbiol** 1986 Feb;23(2):283–8

Antibodies specific for measles virus envelope antigens and autoantibodies in patients with chronic active hepatitis. Shirodaria PV, et al. **J Clin Pathol** 1985 Nov;38(11):1281–8

Lethal 17D yellow fever encephalitis in mice. I. Passive protection by monoclonal antibodies to the envelope proteins of 17D yellow fever and dengue 2 viruses. Brandriss MW, et al. **J Gen Virol** 1986 Feb;67 (Pt 2):229–34

Coronavirus IBV: virus retaining spike glycopolypeptide S2 but not S1 is unable to induce virus–neutralizing or haemagglutination–inhibiting antibody, or induce chicken tracheal protection. Cavanagh D, et al. **J Gen Virol** 1986 Jul;67 (Pt 7):1435–42

Immunoprevention of Friend leukaemia virus–induced erythroleukaemia by vaccination with aggregated gp70. Kleiser C, et al. **J Gen Virol** 1986 Sep;67 (Pt 9):1901–7

Detection of antiviral antibodies with predetermined specificity using synthetic peptide—beta–lactamase conjugates: application to antibodies specific for the preS region of the hepatitis B virus envelope proteins. Neurath AR, et al. **J Gen Virol** 1986 Mar;67 (Pt 3):453–61

Anomalous behaviour of Newcastle disease virus haemagglutinin–neuraminidase protein in Western blotting analysis of monoclonal antibody binding sites. Samson AC. **J Gen Virol** 1986 Jun;67 (Pt 6):1199–203

A neutralizing monoclonal antibody to respiratory syncytial virus which binds to both F1 and F2 components of the fusion protein. Samson AC, et al. **J Gen Virol** 1986 Jul; 67 (Pt 7):1479–83

Analysis of the respiratory syncytial virus fusion protein using monoclonal and polyclonal antibodies. Walsh EE, et al. **J Gen Virol** 1986 Mar;67 (Pt 3):505–13

Suppression of the respiratory burst of human monocytes by a synthetic peptide homologous to envelope proteins of human and animal retroviruses. Harrell RA, et al. **J Immunol** 1986 May 15;136(10):3517–20

Human retroviral env and gag polypeptides: serologic assays to measure infection. Kanner SB, et al. **J Immunol** 1986 Jul 15;137(2):674–8

The specificity of H–2–restricted cytotoxic T lymphocytes directed to AKR/Gross leukemia virus–induced tumors. III. Coordinate alterations in viral gp70 antigen expression and restoration of CTL–susceptibility to insusceptible variant tumors. Manjunath R, et al. **J Immunol** 1986 Mar 15;136(6):2271–9

Bacterially expressed antigenic peptide from foot–and–mouth disease virus capsid elicits variable immunologic responses in animals. Winther MD, et al. **J Immunol** 1986 Mar 1; 136(5):1835–40

Human cytotoxic T cell clones directed against herpes simplex virus–infected cells. IV. Recognition and activation by cloned glycoproteins gB and gD. Zarling JM, et al. **J Immunol** 1986 Jun 15;136(12):4669–73

Viral envelope protein of HTLV–III is the major target antigen for antibodies in hemophiliac patients. Kitchen L, et al. **J Infect Dis** 1986 Apr;153(4):788–90

Localization of discontinuous epitopes of herpes simplex virus glycoprotein D: use of a nondenaturing ("native" gel) system of polyacrylamide gel electrophoresis coupled with Western blotting. Cohen GH, et al. **J Virol** 1986 Oct; 60(1):157–66

Synthetic glycoprotein D–related peptides protect mice against herpes simplex virus challenge. Eisenberg RJ, et al. **J Virol** 1985 Dec;56(3):1014–7

Carbohydrate side chains of Rauscher leukemia virus envelope glycoproteins are not required to elicit a neutralizing antibody response. Elder JH, et al. **J Virol** 1986 Jan;57(1):340–2

Immune responses to isolated human cytomegalovirus envelope proteins. Gönczöl E, et al. **J Virol** 1986 May; 58(2):661–4

Monoclonal antibodies to hemagglutinin–neuraminidase and fusion glycoproteins of Newcastle disease virus: relationship between glycosylation and reactivity. Long L, et al. **J Virol** 1986 Mar;57(3):1198–202

Monoclonal antibodies against the fusion protein are protective in necrotizing mumps meningoencephalitis. Löve A, et al. **J Virol** 1986 Apr;58(1):220–2

Drastic immunoreactivity changes between the immature and mature forms of the Sendai virus HN and F0 glycoproteins. Mottet G, et al. **J Virol** 1986 Jul;59(1):132–41

Protection against canine distemper virus in dogs after immunization with isolated fusion protein. Norrby E, et al. **J Virol** 1986 May;58(2):536–41

Isolation and characterization of neutralizing monoclonal antibodies to vaccinia virus. Rodriguez JF, et al. **J Virol** 1985 Nov;56(2):482–8

Monoclonal antibody cure and prophylaxis of lethal Sindbis virus encephalitis in mice. Stanley J, et al. **J Virol** 1986 Apr;58(1):107–15

Characterization and mapping of a nonessential pseudorabies virus glycoprotein. Wathen MW, et al. **J Virol** 1986 Apr; 58(1):173–8

Enzyme–linked immunoassay of pre–S gene–coded sequences in hepatitis B vaccines. Neurath AR, et al. **J Virol Methods** 1985 Dec;12(3–4):185–92

E1 glycoprotein of rubella virus carries an epitope that binds a neutralizing antibody. Trudel M, et al. **J Virol Methods** 1985 Dec;12(3–4):243–50

Hepatitis B vaccines with pre–S gene product [letter] Berthelot P, et al. **Lancet** 1986 May 17;1(8490):1150

Unusual serological profiles in AIDS [letter] Marlink R, et al. **Lancet** 1986 Jun 14;1(8494):1389

Immunochemical structure of the hepatitis B surface antigen vaccine—II. Analysis of antibody responses in human sera against the envelope proteins. Petit MA, et al. **Mol Immunol** 1986 May;23(5):511–23

Biological activities of monoclonal antibodies to the hemagglutinin–neuraminidase (HN) protein of Newcastle disease virus. Abenes GB, et al. **Nippon Juigaku Zasshi** 1986 Apr;48(2):353–62

Human monoclonal antibody directed against an envelope glycoprotein of human T–cell leukemia virus type I. Matsushita S, et al. **Proc Natl Acad Sci USA** 1986 Apr; 83(8):2672–6

Prospect for prevention of human immunodeficiency virus infection: purified 120–kDa envelope glycoprotein induces neutralizing antibody. Robey WG, et al. **Proc Natl Acad Sci USA** 1986 Sep;83(18):7023–7

Detection of antibodies to human T–lymphotropic virus type III by using a synthetic peptide of 21 amino acid residues corresponding to a highly antigenic segment of gp41 envelope protein. Wang JJ, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(16):6159–63

Antiserum to a synthetic peptide recognizes the HTLV–III envelope glycoprotein. Kennedy RC, et al. **Science** 1986 Mar 28;231(4745):1556–9

Neutralization of the AIDS retrovirus by antibodies to a recombinant envelope glycoprotein. Lasky LA, et al. **Science** 1986 Jul 11;233(4760):209–12

Synthesis of fusion proteins containing antigenic determinants of foot–and–mouth disease virus. Broekhuijsen MP, et al. **Vaccine** 1986 Jun;4(2):119–24

Preparation of highly purified human cytomegalovirus envelope antigen. Hudecz F, et al. **Vaccine** 1985 Sep; 3(3):300–4

Antibodies to a synthetic peptide from the preS 120–145 region of the hepatitis B virus envelope are virus neutralizing. Neurath AR, et al. **Vaccine** 1986 Mar;4(1):35–7

Possible immunoenhancement of persistent viremia by feline leukemia virus envelope glycoprotein vaccines in challenge–exposure situations where whole inactivated virus vaccines were protective. Pedersen NC, et al. **Vet Immunol Immunopathol** 1986 Feb;11(2):123–48

Serological characterization of human T–cell leukemia (lymphotropic) virus, type I (HTLV–I) small envelope protein. Newman MJ, et al. **Virology** 1986 Apr 15; 150(1):106–16

ISOLATION & PURIFICATION

Preparation and characterization of F–protein vesicles isolated from Sendai virus by means of octyl glucoside. Sechoy O, et al. **Biochim Biophys Acta** 1986 May 9; 857(1):1–12

Characterization of glycoprotein complexes present in human cytomegalovirus envelopes. Farrar GH, et al. **J Gen Virol** 1986 Jul;67 (Pt 7):1469–73

Envelope proteins of avian infectious bronchitis virus: purification and biological properties. Mockett AP. **J Virol Methods** 1985 Dec;12(3–4):271–8

Pattern of glycosylation of Sindbis virus envelope proteins synthesized in hamster and chicken cells. Mayne JT, et al. **Virology** 1985 Apr 15;142(1):121–33

Isolation and characterization of the measles virus F1 polypeptide: comparison with other paramyxovirus fusion proteins. Varsanyi TM, et al. **Virology** 1985 Nov; 147(1):110–7

[Isolation of glycoproteins of the Venezuelan equine encephalomyelitis virus and an evaluation of their immunogenic activity] Berezin VE, et al. **Vopr Virusol** 1985 Sep–Oct;30(5):568–72 (Eng. Abstr.) **(Rus)**

METABOLISM

The interaction of Sendai virus glycoprotein–bearing recombinant vesicles with cell surfaces. Al–Ahdal MN, et al. **Biochim Biophys Acta** 1986 Jan 29;854(2):157–68

Identification of regions of brome mosaic virus coat protein chemically cross–linked in situ to viral RNA. Sgro JY, et al. **Eur J Biochem** 1986 Jan 2;154(1):69–76

Oligonucleotide binding to the coat protein disk of tobacco mosaic virus. Possible steps in the mechanism of assembly. Turner DR, et al. **Eur J Biochem** 1986 Jun 2;157(2):269–74

Sendai virus envelope glycoproteins become laterally mobile on the surface of human erythrocytes following fusion. Henis YI, et al. **Exp Cell Res** 1985 Oct;160(2):514–26

The effects of processing inhibitors of N–linked

oligosaccharides on the intracellular migration of glycoprotein E2 of mouse hepatitis virus and the maturation of coronavirus particles. Repp R, et al. **J Biol Chem** 1985 Dec 15;260(29):15873–9

Binding of adenovirus and its external proteins to Triton X–114. Dependence on pH. Seth P, et al. **J Biol Chem** 1985 Nov 25;260(27):14431–4

Amino–terminal deletion mutants of the Rous sarcoma virus glycoprotein do not block signal peptide cleavage but can block intracellular transport. Hardwick JM, et al. **J Cell Biol** 1986 Sep;103(3):829–38

Biosynthesis and intracellular sorting of growth hormone–viral envelope glycoprotein hybrids. Rizzolo LJ, et al. **J Cell Biol** 1985 Oct;101(4):1351–62

Reduced temperature can block different glycoproteins at different steps during transport to the plasma membrane. Mottet G, et al. **J Gen Virol** 1986 Sep;67 (Pt 9):2029–35

Dissociation of newly synthesized Sendai viral proteins from the cytoplasmic surface of isolated plasma membranes of infected cells. Caldwell SE, et al. **J Virol** 1986 Feb; 57(2):678–83

Pathogenicity in mice of herpes simplex virus type 2 mutants unable to express glycoprotein C. Johnson DC, et al. **J Virol** 1986 Apr;58(1):36–42

Intracellular maturation of mumps virus hemagglutinin–neuraminidase glycoprotein: conformational changes detected with monoclonal antibodies. Waxham MN, et al. **J Virol** 1986 Aug; 59(2):392–400

The fusion–related hydrophobic domain of Sendai F protein can be moved through the cytoplasmic membrane of Escherichia coli. Davis NG, et al. **Proc Natl Acad Sci USA** 1986 Jul;83(14):5091–5

The fate of the surface protein gp70 during entry of retrovirus into mouse fibroblasts. Andersen KB. **Virology** 1985 Apr 15;142(1):112–20

Coordination of cleavage of gag and env gene products of murine leukemia virus: implications regarding the mechanism of processing. Durbin RK, et al. **Virology** 1984 Apr 30;134(2):368–74

Studies on herpes simplex virus type 1 glycoproteins using monoclonal antibodies. Koga J, et al. **Virology** 1986 Jun; 151(2):385–9

PHARMACODYNAMICS

Glycoprotein C of herpes simplex virus 1 is an inhibitor of the complement cascade. Fries LF, et al. **J Immunol** 1986 Sep 1;137(5):1636–41

Inhibition of lymphocyte proliferation by a synthetic peptide homologous to retroviral envelope proteins. Cianciolo GJ, et al. **Science** 1985 Oct 25;230(4724):453–5

PHYSIOLOGY

Some physico–chemical and biological properties of egg–Sendai virus with altered haemagglutinin–neuraminidase protein. Popa LM, et al. **Acta Virol (Praha)** 1985 Dec;29(6):461–5

Determinants for receptor interaction and cell killing on the avian retrovirus glycoprotein gp85. Dorner AJ, et al. **Cell** 1986 May 9;45(3):365–74

Converting Sendai virus into a specific fusogen whose cell target can be selected. Martinez O, et al. **Exp Cell Res** 1986 Sep;166(1):180–90

Studies on the mechanism of membrane fusion: site–specific mutagenesis of the hemagglutinin of influenza virus. Gething MJ, et al. **J Cell Biol** 1986 Jan;102(1):11–23

Swelling and cytolysis of P815 mastocytoma cells with Sendai virus and its reassembled envelope particles: observation by scanning electron microscopy. Mangkalasond K, et al. **J Electron Microsc (Tokyo)** 1982; 31(3):226–34

Coronavirus IBV: removal of spike glycopolypeptide S1 by urea abolishes infectivity and haemagglutination but not attachment to cells. Cavanagh D, et al. **J Gen Virol** 1986 Jul;67 (Pt 7):1443–8

Amino–terminal mutation of the vesicular stomatitis virus glycoprotein does not affect its fusion activity. Woodgett C, et al. **J Virol** 1986 Aug;59(2):486–9

Role of the HTLV–III/LAV envelope in syncytium formation and cytopathicity. Sodroski J, et al. **Nature** 1986 Jul 31–Aug 6;322(6078):470–4

The putative transforming protein of S13 avian erythroblastosis virus is a transmembrane glycoprotein with an associated protein kinase activity. Hayman MJ, et al. **Proc Natl Acad Sci USA** 1985 Dec;82(23):8237–41

[Glycoproteins of enveloped animal viruses as transmembrane proteins] Zaides VM, et al. **Vopr Virusol** 1986 Mar–Apr;31(2):133–48 (142 ref.) **(Rus)**

THERAPEUTIC USE

AIDS protein made [news] Wright K. **Nature** 1986 Feb 13–19;319(6054):525

Protection of cattle against foot–and–mouth disease by a synthetic peptide. DiMarchi R, et al. **Science** 1986 May 2;232(4750):639–41

VIRAL GENES see **GENES, VIRAL**

VIRAL GENOMES see **GENES, VIRAL**

VIRAL HEPATITIS VACCINES

Hepatitis B vaccine: key factors affecting acceptance. Chacko MC, et al. **Dimens Health Serv** 1986 Feb;63(1):34–5

Hepatitis B vaccine: emotion overrides reason. Strickler AC. **Dimens Health Serv** 1986 Feb;63(1):36–7

Hepatitis B prevention. Part 1: A review of ACIP's newest guidelines. Valenti WM. **Infect Control** 1986 Feb;7(2):74–7

Hepatitis B infection in a vaccinated renal dialysis staff worker [letter] Woernle CH, et al. **Infect Control** 1986 Jan; 7(1):9

Vaccination against hepatitis B—the current situation. Jilg W, et al. **Infection** 1986 May–Jun;14(3):100–1

Prevention of hepatocellular carcinoma by immunization against hepatitis B. Zuckerman AJ. **Int Rev Exp Pathol** 1985;27:59–81 (51 ref.)

Assessment of new vaccines in immunization programs. Koplan JP. **Isr J Med Sci** 1986 Mar–Apr;22(3–4):272–6

Recent advances in the prevention of hepatitis B infection. Proceedings of a symposium. Singapore, 10 January 1986. **J Infect** 1986 Jul;13 Suppl A:1–78

Yeast recombinant hepatitis B vaccine in perinatal hepatitis B virus transmission: a preliminary report. Stevens CE, et al. **J Infect** 1986 Jul;13 Suppl A:13

Efficacy and safety of recombinant hepatitis B vaccine in infants born to HBsAg–positive mothers. Yeoh EK, et al. **J Infect** 1986 Jul;13 Suppl A:15–8

Novel hepatitis B vaccines. Zuckerman AJ. **J Infect** 1986 Jul;13 Suppl A:61–71

Immunoprophylaxis of perinatal transmission of the hepatitis B virus: efficacy of hepatitis B immune globulin and hepatitis B vaccine in a low–prevalence area. Esteban JI, et al. **J Med Virol** 1986 Apr;18(4):381–91

Unconventional pathogens causing spongiform encephalopathies absent in blood products. Tateishi J, et al. **J Med Virol** 1985 May;16(1):11–5

Multicenter trial on the efficacy of HBIG and vaccine in preventing perinatal hepatitis B. Final report. Zanetti AR, et al. **J Med Virol** 1986 Apr;18(4):327–34

The safety of the hepatitis B vaccine. Inactivation of the AIDS virus during routine vaccine manufacture. Francis DP, et al. **JAMA** 1986 Aug 15;256(7):869–72

Boosting properties of recombinant DNA hepatitis B vaccine [letter] Ambrosch F, et al. **Lancet** 1986 May 10;1(8489):1101

Hepatitis B protection of endoscopy staff [letter] Finch RG, et al. **Lancet** 1986 Aug 30;2(8505):524

Serial transmission of a human non A–non B hepatitis viral strain to HBV–protected chimpanzees: successive histological and ultrastructural studies. Degott C, et al. **Liver** 1986 Feb;6(1):17–25

Experience with hepatitis B vaccine [editorial] Burrell CJ. **Med J Aust** 1986 Apr 28;144(9):451–2

Control of hepatitis B in the Western Pacific region. Gust ID. **Med J Aust** 1986 Apr 28;144(9):473–4

Genetic engineering. Hepatitis vaccine wins approval [news] Beardsley T. **Nature** 1986 Jul 31–Aug 6;322(6078):396

Hepatitis B vaccine: a safe and effective method for preventing infection with hepatitis B and delta agent. Chorba T. **NC Med J** 1986 Jul;47(7):343–5

Development of vaccines against hepatitis A and hepatitis B. McLean AA. **Rev Infect Dis** 1986 Jul–Aug;8(4):591–8 (30 ref.)

Screening of potential hepatitis B virus vaccine recipients versus mass immunization [letter] Kocks DJ, et al. **S Afr Med J** 1986 Jul 19;70(2):122

Subunit, recombinant and synthetic hepatitis B vaccines. Zuckerman AJ. **Scand J Gastroenterol [Suppl]** 1985; 117:27–38 (39 ref.)

Hepatitis B vaccine: issues, recommendations, and new developments. Stevens CE, et al. **Semin Liver Dis** 1986 Feb;6(1):23–7 (40 ref.)

Hepatitis A virus: clones, cultures, and vaccines. Ticehurst JR. **Semin Liver Dis** 1986 Feb;6(1):46–55 (103 ref.)

Vaccines made from recombinant yeast cells. Hilleman MR, et al. **Vaccine** 1986 Jun;4(2):75–6

[Hepatitis B vaccine (editorial)] Krugman S. **Harefuah** 1985 Sep;109(5–6):145–6 **(Heb)**

[Preliminary evaluation of hepatitis B vaccination in dialysis patients] Arakawa Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Nov;82(11):2856 **(Jpn)**

ADMINISTRATION & DOSAGE

Intradermal vaccination against hepatitis B in Immanuel Hospital personnel—a preliminary report. Prasetya E, et al. **Ann Acad Med Singapore** 1986 Apr;15(2):153–7

Seroconversion after hepatitis B vaccination [letter] Chernesky MA, et al. **Ann Intern Med** 1986 Aug;105(2):293

Antibody to hepatitis B surface antigen and screening before hepatitis B vaccination. Kane MA, et al. **Ann Intern Med** 1985 Nov;103(5):791–3

Screening of health care workers before hepatitis B vaccination: more questions than answers. Perrillo RP. **Ann Intern Med** 1985 Nov;103(5):793–5

Dose range study in healthy volunteers of a hepatitis B vaccine produced in yeast. Kuwert E, et al. **Antiviral Res** 1985;Suppl 1:281–8

Efficacy of hepatitis–B immunoglobulin and hepatitis–B vaccine in prevention of the HBsAg carrier state in newborn infants of mothers who are chronic carriers of HBsAg and HBeAg. Pongpipat D, et al. **Asian Pac J Allergy Immunol** 1986 Jun;4(1):33–6

Successful hepatitis B vaccination by deltoid injection after failure in the gluteal site [letter] Caldwell GR, et al. **Aust NZ J Med** 1985 Dec;15(6):772

Should individuals with anti–HBs as the only marker of infection with hepatitis B receive hepatitis B vaccine? MacLeod JE, et al. **Can J Public Health** 1985 Jul–Aug; 76(4):229–32

Hepatitis B: update on perinatal management. Infectious Diseases and Immunization Committee, Canadian Paediatric Society. **Can Med Assoc J** 1986 Apr 15; 134(8):883–6

Vaccination against hepatitis B in renal dialysis units: short or normal vaccination schedule? Carreño V, et al. **Clin Nephrol** 1985 Nov;24(5):215–20

Efficacy of minimal doses of an American hepatitis B vaccine in neonates. Scaravelli C, et al. **Clin Ther** 1985;7(6):680–3

Vaccination against hepatitis B virus infection in neonates. Pongpipat D, et al. **Helv Paediatr Acta** 1984 Aug; 39(3):231–6

Hepatitis B vaccine: low postvaccination immunity in hospital personnel given gluteal injections. Lindsay KL, et al. **Hepatology** 1985 Nov–Dec;5(6):1088–90

Hepatitis B vaccine for medical students. Chodash HB. **IMJ** 1986 Mar;169(3):145–6

Hepatitis B: another look at prevaccination screening. Lessne SH. **J Fla Med Assoc** 1984 Dec;71(12):934–6

Use of the hepatitis B recombinant DNA yeast vaccine (H–B–VAX II) in children: two doses vs. three doses of 5 micrograms regime; an interim report. Lai CL, et al. **J Infect** 1986 Jul;13 Suppl A:19–25

Abnormal immunologic response to hepatitis B in two brothers—a genetic effect? [letter] Beasley RP, et al. **J Infect Dis** 1985 Dec;152(6):1356

Hepatitis B vaccine and antipyrine clearance. Bachmann K, et al. **J Med** 1985;16(4):453–9

Simultaneous administration of hepatitis B and yellow fever vaccines. Yvonnet B, et al. **J Med Virol** 1986 Aug; 19(4):307–11

Vaccination against hepatitis B. An overview with consideration of the epidemiology of hepatitis B among medical personnel. Zoulek G. **J Oslo City Hosp** 1986 Feb–Mar;36(2–3):25–32

Vaccination against hepatitis B in Nigerian children: trials of reduced dose and intradermal vaccine. Ayoola EA. **J Trop Pediatr** 1985 Oct;31(5):253–6

Hepatitis B vaccine use in chronic hemodialysis centers in the United States. Alter MJ, et al. **JAMA** 1985 Dec 13; 254(22):3200–2

Lowered cost potential for hepatitis B vaccine [editorial] Craig RM, et al. **JAMA** 1985 Dec 13;254(22):3219

Low–dose intradermal hepatitis B vaccine [letter] Dienstag JL. **JAMA** 1986 Jul 18;256(3):351

Clinical evaluation of low–dose intradermally administered hepatitis B virus vaccine. A cost reduction strategy. Redfield RR, et al. **JAMA** 1985 Dec 13;254(22):3203–6

Response to deltoid muscle injection of hepatitis B vaccine after failure to respond to gluteal injections [letter] Weber DJ, et al. **JAMA** 1986 Apr 25;255(16):2157

Two–dose hepatitis B immunisation regimen for infants [letter] Piazza M, et al. **Lancet** 1985 Nov 16;2(8464):1120–1

Long–term results of hepatitis B vaccination in patients on dialysis [letter] Benhamou E, et al. **N Engl J Med** 1986 Jun 26;314(26):1710–1

Hepatitis B vaccine for the family physician. Halm DE. **Nebr Med J** 1985 Nov;70(11):409

Low dose hepatitis B vaccination of hospital staff [letter] Allwood GK, et al. **NZ Med J** 1985 Oct 9;98(788):866

Cutting corners with hepatitis B vaccination [letter] Faed JM. **NZ Med J** 1985 Dec 11;98(792):1055

Intramuscular versus intradermal hepatitis B vaccination [letter] Milne A. **NZ Med J** 1986 Aug 27;99(808):640

Low dose hepatitis B vaccination in children. Milne A, et al. **NZ Med J** 1986 Feb 12;99(795):47–9

Immunogenicity of low doses of hepatitis B vaccine in normal children. Matsaniotis N, et al. **Vaccine** 1985 Sep;3(3):297–9

Compliance of housestaff with a free hepatitis B vaccination program. Franson TR, et al. **Wis Med J** 1986 Jan;85(1):21–3

[Vaccination of dental surgeons against viral hepatitis B] Zourbas J, et al. **Presse Med** 1985 Sep 28;14(32):1701–3 (Eng. Abstr.) **(Fre)**

[Active preventive vaccination against hepatitis B] Jilg W. **Internist (Berlin)** 1985 Oct;26(10):633–9 **(Ger)**

[Hepatitis B virus—infection rate and active immunoprevention against hepatitis B in personnel at the Nürnberg clinic] Abb J, et al. **Off Gesundheitswes** 1986 Jan;48(1):25–7 (Eng. Abstr.) **(Ger)**

[The need for hepatitis B immunoprevention in families with vertical hepatitis B infected children] Sacher M, et al. **Padiatr Padol** 1985;20(4):393–6 (Eng. Abstr.) **(Ger)**

[Hepatitis B vaccination in a large chemical plant] Urbatus W. **Ther Umsch** 1985 Sep;42(9):608–10 (Eng. Abstr.) **(Ger)**

[Active hepatitis B immunization—current status of development and effectiveness] Baumgarten R, et al. **Z Arztl Fortbild (Jena)** 1986;80(10):393–4 **(Ger)**

[Course of antibody titer following preventive hepatitis B vaccination and a recommendation for renewal following the use of H–B–Vax vaccines] Kätzner K, et al. **Z Gastroenterol** 1985 Jan;23(1):18–24 (Eng. Abstr.) **(Ger)**

[Vaccination against viral hepatitis and other problems (letter)] Orv Hetil 1985 Dec 22;126(51):3186–8 **(Hun)**

[Strategy for the use of hepatitis B vaccine in the United

Kingdom, France and Italy] Stroffolini T. **Ann Ist Super Sanita** 1984;20(2-3):201-4 (Eng. Abstr.) (Ita)

[Prevention of hepatitis B by vaccination in 53 children at risk. Transmission of hepatitis B virus infection and its prevention] Zecca G, et al. **Minerva Pediatr** 1985 Sep 15; 37(17):593-6 (Eng. Abstr.) (Ita)

[Follow-up of anti-HBs levels in vaccines with different initial values of anti-HBs after three doses of HB vaccine: the second report] Arakawa Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Oct;82(10):2659 (Jpn)

[Hepatitis B vaccination] Genescá Ferrer J, et al. **Rev Clin Esp** 1986 Mar;178(5):207-9 (Spa)

[Efficacy of antihepatitis B vaccine (a low-dose, short-term schedule) in a hemodialysis unit] Gutiérrez González JR, et al. **Rev Clin Esp** 1986 Feb;178(2):66-9 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

Erythema multiforme and hepatitis B immunization [letter] Milstien JB, et al. **Arch Dermatol** 1986 May;122(5):511-2

AIDS transmission by hepatitis b vaccine [letter] Vogel R. **Br Dent J** 1985 Dec 21;159(12):391

Exacerbation of eczema by formalin-containing hepatitis B vaccine in formaldehyde-allergic patient [letter] Ring J. **Lancet** 1986 Aug 30;2(8505):522-3

Hepatitis B vaccine: urticarial reaction [letter] De Silva L, et al. **Med J Aust** 1985 Sep 30;143(7):323-4

Infection after Haemophilus vaccine [letter] LeMay M. **Pediatr Infect Dis** 1986 May-Jun;5(3):387

[Specific safety and immunogenicity of a subunit vaccine against hepatitis B] Viazov SO, et al. **Vopr Virusol** 1985 May-Jun;30(3):324-7 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Nonresponsiveness to hepatitis B vaccine in health care workers. Results of revaccination and genetic typings. Craven DE, et al. **Ann Intern Med** 1986 Sep;105(3):356-60

Immune response after vaccination with recombinant hepatitis B vaccine as compared to that after plasma-derived vaccine. Heijtink RA, et al. **Antiviral Res** 1985;Suppl 1:273-9

Antibody responses to recombinant and plasma derived hepatitis B vaccines. Brown SE, et al. **Br Med J [Clin Res]** 1986 Jan 18;292(6514):159-61

A brief overview of the new vaccines against hepatitis B virus infection: immunogenic gene products and peptide analogues of antigenic epitopes. Vyas GN. **Dev Biol Stand** 1986;63:141-6 (18 ref.)

Hepatitis B vaccine in healthy hospital employees. Klotz SA, et al. **Infect Control** 1986 Jul;7(7):365-9

Hepatitis B vaccination in chronic alcoholics. Degos F, et al. **J Hepatol** 1986;2(3):402-9

Comparison of the immunogenicity, efficacy and safety of 10 micrograms and 20 micrograms of a hepatitis B vaccine: a prospective randomized trial. Yeoh EK, et al. **J Hyg (Lond)** 1986 Jun;96(3):491-9

Recombinant yeast hepatitis B vaccine compared with plasma-derived vaccine: immunogenicity and effect of a booster dose. Davidson M, et al. **J Infect** 1986 Jul;13 Suppl A:31-8

Production and immunological analysis of recombinant hepatitis B vaccine. Emini EA, et al. **J Infect** 1986 Jul;13 Suppl A:3-9

Results of immunisation with a recombinant yeast-derived hepatitis B vaccine. Jilg W, et al. **J Infect** 1986 Jul;13 Suppl A:47-51

Comparison of results for phase I studies with recombinant and plasma-derived hepatitis B vaccines, and controlled study comparing intramuscular and subcutaneous injections of recombinant hepatitis B vaccine. Yamamoto S, et al. **J Infect** 1986 Jul;13 Suppl A:53-60

Overview of clinical studies with hepatitis B vaccine made by recombinant DNA. Zajac BA, et al. **J Infect** 1986 Jul; 13 Suppl A:39-45

Immunoprophylaxis of infection with hepatitis B virus in infants born to hepatitis B surface antigen-positive carrier mothers. Lo KJ, et al. **J Infect Dis** 1985 Oct;152(4):817-22

Alterations in the immune response of nonresponders to the hepatitis B vaccine. Nowicki MJ, et al. **J Infect Dis** 1985 Dec;152(6):1245-8

Response to a hepatitis B polypeptide vaccine in micelle form in a young adult population. Hollinger FB, et al. **J Med Virol** 1986 Jul;19(3):229-40

Response to hepatitis B vaccine in family members of HBsAg carriers. Lok AS, et al. **J Med Virol** 1986 May;19(1):33-9

An inactivated hepatitis A viral vaccine of cell culture origin. Provost PJ, et al. **J Med Virol** 1986 May;19(1):23-31

Enzyme-linked immunoassay of pre-S gene-coded sequences in hepatitis B vaccines. Neurath AR, et al. **J Virol Methods** 1985 Dec;12(3-4):185-92

Normal immune response to hepatitis B vaccine in patients with Down's syndrome. A basis for immunization guidelines. Troisi CL, et al. **JAMA** 1985 Dec 13; 254(22):3196-9

Obesity as a predictor of poor antibody response to hepatitis B plasma vaccine. Weber DJ, et al. **JAMA** 1985 Dec 13; 254(22):3187-9

Hepatitis B vaccines with pre-S gene product [letter] Berthelot P, et al. **Lancet** 1986 May 17;1(8490):1150

Should pre-S coded peptides be used in hepatitis B vaccines? [letter] Hellström U, et al. **Lancet** 1986 Feb 15; 1(8477):389-90

Hepatitis B vaccination and idiopathic haemochromatosis [letter] Saddi RS, et al. **Lancet** 1985 Nov 9;2(8463):1061-2

Skin testing to predict immune response to hepatitis B vaccine [letter] Torre D, et al. **Lancet** 1985 Oct 5;2(8458):783-4

The here and now of hepatitis B immunization [editorial] Grady GF. **N Engl J Med** 1986 Jul 24;315(4):250-2

Long-term immunogenicity and efficacy of hepatitis B vaccine in homosexual men. Hadler SC, et al. **N Engl J Med** 1986 Jul 24;315(4):209-14

Impaired immunogenicity of hepatitis B vaccine in obese persons [letter] Weber DJ, et al. **N Engl J Med** 1986 May 22;314(21):1393

Correlation between peripheral lymphocyte subsets and antibody to hepatitis B surface antigen response in hepatitis B vaccine recipients. Lee SD, et al. **Scand J Infect Dis** 1985;17(3):333-5

Immune response to hepatitis B vaccination in haemodialysis patients and healthy medical staff. Ton SH, et al. **Singapore Med J** 1986 Apr;27(2):120-3

Immunogenicity of a reduced dose of recombinant hepatitis B vaccine. Roumeliotou-Karayannis A, et al. **Vaccine** 1986 Jun;4(2):93-4

Active immunization against hepatitis B: immunogenicity study in homosexual men. Bienzle U, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1985 Nov; 260(3):403-10

[Vaccination against hepatitis B on the Ivory Coast: study of the anti-HBe response in healthy adult subjects carrying only anti-HBc antibodies before vaccination] Ouattara SA, et al. **Bull Soc Pathol Exot Filiales** 1986;79(1):27-38 (Eng. Abstr.) (Fre)

[Studies on the immune response after the inoculation of hepatitis B vaccine--with special reference to evaluation by indirect hemagglutination] Takamiya H, et al. **Rinsho Byori** 1985 Dec;33(12):1395-400 (Jpn)

[Immunological and epidemiological effectiveness of the HEVAC B vaccine against hepatitis B in a group at enhanced risk of infection] Khukhlovich PA, et al. **Vopr Virusol** 1985 May-Jun;30(3):330-3 (Eng. Abstr.) (Rus)

ISOLATION & PURIFICATION

Recombinant yeast hepatitis B vaccine. Hilleman MR. **Dev Biol Stand** 1986;63:57-62

STANDARDS

No HTLV-III antibodies after HBV vaccination [letter] Muylle L, et al. **N Engl J Med** 1986 Feb 27;314(9):581

[Immunogenicity and safety of hepatitis B virus vaccine] Hayashi J, et al. **Kansenshogaku Zasshi** 1985 Oct; 59(10):970-6 (Eng. Abstr.) (Jpn)

THERAPEUTIC USE

Use of hepatitis B virus (HBV) vaccine for children sexually abused by HBV carriers [letter] DiNicola AF. **Am J Dis Child** 1986 Apr;140(4):329

Acceptance of hepatitis B vaccine among hospital workers. Bodenheimer HC Jr, et al. **Am J Public Health** 1986 Mar; 76(3):252-5

'Who should be immunised against hepatitis B?' [letter] **Br Dent J** 1985 Sep 21;159(6):171-2

Hepatitis B vaccine and AIDS [letter] Epstein JB. **Can Dent Assoc J** 1986 Feb;52(2):115

Prevention of hepatitis B virus carriage of infants using HBV vaccine in Shanghai. Preliminary report of a randomized double-blind placebo-controlled trial. Xu ZY, et al. **Chin Med J [Engl]** 1985 Sep;98(9):623-6

Hepatitis B vaccination and immune response in children with malignant diseases. Entacher U, et al. **Eur J Pediatr** 1985 Jul;144(2):160-3

Safety of hepatitis B vaccine confirmed. **FDA Drug Bull** 1985 Aug;15(2):14-5

Prevention of maternal-infant hepatitis B virus transmission by immunization: the role of serum hepatitis B virus DNA. Lee SD, et al. **Hepatology** 1986 May-Jun;6(3):369-73

Controversies in immunization against hepatitis B. Zuckerman AJ. **Hepatology** 1985 Nov-Dec;5(6):1227-30

A pilot study on universal immunization of newborn infants in an area of hepatitis B virus and primary hepatocellular carcinoma prevalence with a low dose of hepatitis B vaccine. Sun TT, et al. **J Cell Physiol [Suppl]** 1986;4:83-90

Hepatitis B vaccine in the prevention of perinatally transmitted hepatitis B virus infections: initial report of a study in the West Midlands of England. Boxall EH, et al. **J Med Virol** 1986 Mar;18(3):255-60

Safety and efficacy of hepatitis B vaccine in hospital personnel. Arakawa Y, et al. **Jpn J Med** 1986 Feb; 25(1):25-33

Prevention of hepatitis B by recombinant DNA hepatitis B vaccine. Schalm SW, et al. **Neth J Med** 1986;29(2):42-8

So you haven't taken the Heptavax-B vaccine??? Kulik LT. **NY J Dent** 1985 Sep-Oct;55(6):205-8

Worldwide control of hepatitis B virus: an approaching reality? Francis DP. **Pediatrics** 1985 Nov;76(5):851-2

Prevention of perinatal acquisition of hepatitis B virus carriage using vaccine: preliminary report of a randomized, double-blind placebo-controlled and comparative trial. Xu ZY, et al. **Pediatrics** 1985 Nov;76(5):713-8

[Efficacy of domestic hepatitis B viral vaccines in preventing transmission of E antigen from mothers to newborn infants] Kang Y. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1986 Apr;7(2):81-3 (Eng. Abstr.) (Chi)

[Vaccination of hospital personnel against hepatitis B; the intramuscular method compared with the combination intracutaneous/intramuscular method] Luijckx AM, et al. **Ned Tijdschr Geneeskd** 1985 Nov 9;129(45):2163-6 (Eng. Abstr.) (Dut)

[Hepatitis B, prevalence and results of preventive measures in dialysis centers] Rosier JG, et al. **Ned Tijdschr Geneeskd** 1986 Apr 19;130(16):737-9 (Eng. Abstr.) (Dut)

[A differentiated policy of vaccination against hepatitis B in an institute for the mentally retarded] Wagemans A, et al. **Ned Tijdschr Geneeskd** 1985 Jul 13;129(28):1325-8 (Eng. Abstr.) (Dut)

[Persistent HBsAg antigenemia in newborn infants following intrauterine HBV infection. Cause for the failure of the prevention of perinatal HBV transmission] Pongpipat D, et al. **Monatsschr Kinderheilkd** 1986 Jul;134(7):473-4 (Eng. Abstr.) (Ger)

[The human cytotoxic T cell response to hepatitis B vaccination] Maeda T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Sep;82(9):2089-92 (Eng. Abstr.) (Jpn)

VIRAL INTERFERENCE

Sedimentation analysis of the RNAs isolated from interfering particles of Lassa and Machupo viruses. Lukashevich IS, et al. **Acta Virol (Praha)** 1985 Dec;29(6):455-60

Homologous interference by a foot-and-mouth disease virus strain attenuated for cattle. Polacino P, et al. **Arch Virol** 1985;86(3-4):291-301

Interferons and antiviral activity. Jacobsen H. **Arzneimittelforschung** 1986 Mar;36(3):512-6 (50 ref.)

Reciprocal interference between milk-transmitted mammary tumor virus and Friend leukemia viruses in mice: possible role of the interferon system. Basolo F, et al. **Cancer Res** 1986 Aug;46(8):4064-70

An acidic lymphokine distinct from interferon-gamma inhibits the replication of herpes simplex virus in human pulmonary macrophages. Rose RM, et al. **Cell Immunol** 1986 Feb;97(2):397-406

Beneficial role of a nonpathogenic orbi-like virus: studies on the interfering effect of M14 virus in mice and mosquitoes infected with Japanese encephalitis virus. Huang CH, et al. **Intervirology** 1985;24(3):147-53

Persistence of virulent Semliki Forest virus in mouse brain following co-inoculation with defective interfering particles. Atkinson T, et al. **J Gen Virol** 1986 Jun;67 (Pt 6):1189-94

Very rapid generation/amplification of defective interfering particles by vesicular stomatitis virus variants isolated from persistent infection. DePolo NJ, et al. **J Gen Virol** 1986 Jun;67 (Pt 6):1195-8

Rotaviruses and immunobiologic failures [letter] Albert MJ. **J Infect Dis** 1985 Dec;152(6):1354-5

In vivo interference between pathogenic and non-pathogenic viruses. Csatary LK, et al. **J Med** 1985;16(5-6):563-73

Effect of cloned human interferons on protein synthesis and morphogenesis of herpes simplex virus. Chatterjee S, et al. **J Virol** 1985 Nov;56(2):419-25

Exclusion of superinfecting homologous virus by Sindbis virus-infected Aedes albopictus (mosquito) cells. Condreay LD, et al. **J Virol** 1986 Apr;58(1):81-6

Repression of adenovirus early gene expression by coinfection with a temperature-sensitive mutant in the immediate-early gene of pseudorabies virus. Feldman LT, et al. **J Virol** 1986 Jan;57(1):13-7

Mouse peritoneal cells confer an antiviral state on mouse cell monolayers: role of interferon. Proietti E, et al. **J Virol** 1986 Feb;57(2):456-63

Molecular basis for interference of defective interfering particles of pseudorabies virus with replication of standard virus. Wu CA, et al. **J Virol** 1986 Aug;59(2):308-17

Studies on the mechanism of lymphocytic choriomeningitis virus homologous interference. Bruns M, et al. **Med Microbiol Immunol (Berl)** 1986;175(2-3):101-4

In ovo interference of embryo non-lethal avian infectious bronchitis viruses (IBV) with velogenic Newcastle disease virus and embryo adapted IBV. Yachida S, et al. **Res Vet Sci** 1986 Jan;40(1):1-3

Cloning and fine mapping the DNA of equine herpesvirus type one defective interfering particles. Baumann RP, et al. **Virology** 1986 Sep;153(2):188-200

[Studies on the interference of a non-pathogenic virus with the Japanese B encephalitis virus] Liang XJ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1985 Aug; 7(4):290-3 (Eng. Abstr.) (Chi)

DRUG EFFECTS

[Biological effect of interferons and their possible therapeutic use] Stelzner A. **Dermatol Monatsschr** 1986;172(1):1-8 (Eng. Abstr.) (Ger)

VIRAL ONCOGENE PROTEINS see **ONCOGENE PROTEINS, VIRAL**

VIRAL PROTEINS

Evidence for the presence of a genome-linked protein in infectious flacherie virus. Hashimoto Y, et al. **Arch Virol** 1986;90(3-4):301-12

Speculations on sequence homologies between the fibronectin cell-attachment site, major histocompatibility antigens, and a putative AIDS virus polypeptide. Auffray C, et al. **Hum Immunol** 1986 Apr;15(4):381-90

The use of anti-synthetic peptide antibodies to study the v-erb B protein from chicken and rat cells transformed by avian erythroblastosis virus. Gullick WJ, et al. **J Cell Sci [Suppl]** 1985;3:151-60 (23 ref.)

Polyhedrin structure. Rohrmann GF. **J Gen Virol** 1986 Aug; 67 (Pt 8):1499-513 (43 ref.)

Crystallization of the Arc repressor. Jordan SR, et al. **J Mol Biol** 1985 Sep 20;185(2):445-6

Molecular composition of the adenovirus type 2 virion. van Oostrum J, et al. **J Virol** 1985 Nov;56(2):439-48

First comparison of two animal viruses in three dimensions [news] Harrison SC. **Nature** 1985 Oct 3-9;317(6036):382-4

Amino acid homology between the encephalitogenic site of myelin basic protein and virus: mechanism for autoimmunity. Fujinami RS, et al. **Science** 1985 Nov 29; 230(4729):1043-5

Structure of phage phi 29 connector protein assembled in vivo. Carrascosa JL, et al. **Virology** 1985 Mar; 141(2):190-200

Partial N-terminal amino acid sequences of three nonstructural proteins of two flaviviruses. Rice CM, et al. **Virology** 1986 May;151(1):1-9

Sequence analysis of the membrane protein V3 of the flavivirus West Nile virus and of its gene. Wengler G, et al. **Virology** 1985 Dec;147(2):264-74

Coronavirus IBV: partial amino terminal sequencing of spike polypeptide S2 identifies the sequence Arg-Arg-Phe-Arg-Arg at the cleavage site of the spike precursor propolypeptide of IBV strains Beaudette and M41. Cavanagh D, et al. **Virus Res** 1986 Feb;4(2):133-43

ADMINISTRATION & DOSAGE

Targeting of loaded Sendai virus envelopes by covalently attached insulin molecules to virus receptor-depleted cells: fusion-mediated microinjection of ricin A and simian virus 40 DNA. Gitman AG, et al. **Proc Natl Acad Sci USA** 1985 Nov;82(21):7309-13

ANALYSIS

Kaposi's sarcoma: immunoperoxidase staining for cytomegalovirus. Civantos J, et al. **AIDS Res** 1983-84; 1(2):121-5

Immunologic comparison of the proteins of pseudorabies (Aujeszky's disease) virus and bovine herpesvirus-1. Bush CE, et al. **Am J Vet Res** 1986 Aug;47(8):1708-12

Use of reflectance in soft laser densitometry in scanning opaque electrophoregrams. A high-resolution technique. Zeineh RA, et al. **Appl Biochem Biotechnol** 1986 Feb; 12(1):25-30

Chemical crosslinking of lipids and proteins within Mason-Pfizer monkey and squirrel monkey type D retroviruses. Uckert W, et al. **Arch Geschwulstforsch** 1986; 56(2):107-12

Differences of nucleoproteins of human and avian influenza A virus strains shown by polyacrylamide gel electrophoresis and by the peptide mapping technique. Geisler B, et al. **Arch Virol** 1986;90(3-4):289-99

Polypeptide analysis with monoclonal antibodies of A type inclusion bodies induced by cowpox virus. Kitamoto N, et al. **Arch Virol** 1986;89(1-4):15-28

Identification of the glycoproteins of lymphocystis disease virus (LDV) of fish. Robin J, et al. **Arch Virol** 1986; 87(3-4):297-305

Immunoelectrophoresis of avian viral proteins in a phosphate-buffered system. Freidlin PJ, et al. **Avian Dis** 1985 Jul-Sep;29(3):613-6

The N-terminal portion of an erythrotropin-like peptide from fetal bovine serum has sequence homology with the LDL-receptor and two proteins of the Epstein-Barr virus. Congote LF. **Biochem Biophys Res Commun** 1985 Dec 17; 133(2):404-9

Proximity relations between tyrosine and tryptophan residues in fd phage determined by luminescence measurements. Ghiron CA, et al. **Biochim Biophys Acta** 1986 Sep 5; 873(1):102-7

Immunovirological studies on human respiratory syncytial virus structural proteins. Trudel M, et al. **Can J Microbiol** 1986 Jan;32(1):15-21

Herpes-related polypeptides from a human cervical carcinoma cell line. Suh M, et al. **Cancer Detect Prev** 1986; 9(3-4):289-92

Feline leukemia virus-and feline sarcoma virus-related polypeptides released by virus producer and nonproducer cells. Ganguly K, et al. **Cancer Invest** 1985;3(6):523-34

Immunoelectron microscopic and immunoblotting analyses of a retrovirus produced in a human lymphoblastoid cell line with a monoclonal antibody. Oda T, et al. **Cell Mol Biol** 1986;32(3):343-50

Identification of the human papilloma virus-1a E4 gene products. Doorbar J, et al. **EMBO J** 1986 Feb;5(2):355-62

Immunological detection of cauliflower mosaic virus gene V protein produced in engineered bacteria or infected plants. Ziegler V, et al. **Gene** 1985;36(3):271-9

Herpes simplex virus immediate-early protein ICP4 in murine models of latency. Pepose JS, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(4):341-5

Structural and antigenic characterization of the proteins of human T-cell leukemia viruses and their relationships to the gene products of other retroviruses. Oroszlan S, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1984; 15:147-57 (32 ref.)

Size-exclusion high-performance liquid chromatography of Sendai virus membrane proteins in different detergents. A comparison of different columns. Welling GW, et al. **J Chromatogr** 1986 May 30;359:307-14

Novel herpes simplex virus type 1 glycoproteins identified by antiserum against a synthetic oligopeptide from the predicted product of gene US4. Frame MC, et al. **J Gen Virol** 1986 Apr;67 (Pt 4):745-51

A comparison of the acid-soluble polypeptides of five herpesviruses. Halliburton IW, et al. **J Gen Virol** 1985 Oct; 66 (Pt 10):2243-8

Studies on the major common precipitating antigen of capripoxvirus. Kitching RP, et al. **J Gen Virol** 1986 Jan; 67 (Pt 1):139-48

Antigenic structure of transmissible gastroenteritis virus. I. Properties of monoclonal antibodies directed against virion proteins. Laude H, et al. **J Gen Virol** 1986 Jan;67 (Pt 1):119-30

A filamentous distribution for the herpes simplex virus type 2-encoded major DNA-binding protein. Rose DS, et al. **J Gen Virol** 1986 Jul;67 (Pt 7):1315-25

Antigenic variation of envelope and internal proteins of mumps virus strains detected with monoclonal antibodies. Rydbeck R, et al. **J Gen Virol** 1986 Feb;67 (Pt 2):281-7

The proteins and RNAs specified by Clo Mor virus, a Scottish Nairovirus. Watret GE, et al. **J Gen Virol** 1985 Nov;66 (Pt 11):2513-6

Varicella-zoster viral glycoprotein envelopment: ultrastructural cytochemical localization. Montalvo EA, et al. **J Histochem Cytochem** 1986 Feb;34(2):281-4

Polypeptides coded for by the region pre-S and gene S of hepatitis B virus DNA with the receptor for polymerized human serum albumin: expression on hepatitis B particles produced in the HBeAg or anti-HBe phase of hepatitis B virus infection. Takahashi K, et al. **J Immunol** 1986 May 1;136(9):3467-72

Measles encephalitis in rodents: defective expression of viral proteins. Löve A, et al. **J Neuropathol Exp Neurol** 1986 May;45(3):258-67

Localization of cytomegalovirus proteins and genome during fulminant central nervous system infection in an AIDS patient. Wiley CA, et al. **J Neuropathol Exp Neurol** 1986 Mar;45(2):127-39

Detection of herpes simplex virus proteins in cultured cells by monoclonal antibodies and the avidin-biotin-immunoperoxidase complex method. Hwang CB, et al. **J Oral Pathol** 1986 Mar;15(3):179-84

Identification by antibody to a synthetic peptide of a protein specified by a diploid gene located in the terminal repeats of the L component of herpes simplex virus genome. Ackermann M, et al. **J Virol** 1986 Jun;58(3):843-50

Primate cytomegalovirus glycoproteins: lectin-binding properties and sensitivities to glycosidases. Benko DM, et al. **J Virol** 1986 Sep;59(3):703-13

Localization of structural proteins in African swine fever virus particles by immunoelectron microscopy. Carrascosa JL, et al. **J Virol** 1986 May;58(2):377-84

Identification and characterization of a protein covalently bound to DNA of minute virus of mice. Chow M, et al. **J Virol** 1986 Mar;57(3):1094-104

Stereo images of vesicular stomatitis virus assembly. Odenwald WF, et al. **J Virol** 1986 Mar;57(3):922-32

Mapping regions of the matrix protein of vesicular stomatitis virus which bind to ribonucleocapsids, liposomes, and monoclonal antibodies. Ogden JR, et al. **J Virol** 1986 Jun; 58(3):860-8

Characterization of phosphoproteins and protein kinase activity of virions, noninfectious enveloped particles, and dense bodies of human cytomegalovirus. Roby C, et al. **J Virol** 1986 Sep;59(3):714-27

A second protease of foot-and-mouth disease virus. Strebel K, et al. **J Virol** 1986 Jun;58(3):893-9

Characterization of foot-and-mouth disease virus gene products with antisera against bacterially synthesized fusion proteins. Strebel K, et al. **J Virol** 1986 Mar;57(3):983-91

Proteolytic cleavage of the E2 glycoprotein of murine coronavirus: activation of cell-fusing activity of virions by trypsin and separation of two different 90K cleavage fragments. Sturman LS, et al. **J Virol** 1985 Dec; 56(3):904-11

Structure of the hepatitis A virion: peptide mapping of the capsid region. Wheeler CM, et al. **J Virol** 1986 May; 58(2):307-13

Use of lectins to detect and differentiate subtypes of Marek's disease virus and turkey herpesvirus glycoproteins in tissue culture. Malkinson M, et al. **J Virol Methods** 1986 May; 13(2):129-33

Examination of oral cancer tissue for the presence of the proteins ICP 4, ICP 5, ICP 6, ICP 8, and gB of herpes simplex virus type 1. Shillitoe EJ, et al. **JNCI** 1986 Mar; 76(3):371-4

Characteristics of fresh isolates of wild measles virus. Sakaguchi M, et al. **Jpn J Exp Med** 1986 Apr;56(2):61-7

Some biochemical properties of Lassa virus RNA and polypeptides. Lukashevich IS, et al. **Med Microbiol Immunol (Berl)** 1986;175(2-3):73-7

The polypeptides of human parainfluenza 1 (HA-2) virus and their antigenic relationships to those of Sendai virus (HVJ). Yoshida T, et al. **Microbiol Immunol** 1985; 29(6):577-82

Conservation of amino acid sequence of VP8 and cleavage region of 84-kDa outer capsid protein among rotaviruses recovered from asymptomatic neonatal infection. Gorziglia M, et al. **Proc Natl Acad Sci USA** 1986 Sep;83(18):7039-43

Mapping of functional domains in adenovirus E1A proteins. Krippl B, et al. **Proc Natl Acad Sci USA** 1985 Nov; 82(22):7480-4

Characterization of major peptides in Creutzfeldt-Jakob disease and scrapie. Sklaviadis T, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(16):6146-50

Protein and nucleic acid analyses of influenza C viruses isolated from pigs and man. Elliott RM, et al. **Vaccine** 1985 Sep;3(3 Suppl):182-8

Peptide mapping of the group-specific antigens from the Australian bluetongue virus (BTV-20) and serotypes from southern Africa and North America. Whistler T, et al. **Vet Microbiol** 1986 Feb;11(1-2):13-24

Identification, properties, and gene location of a novel glycoprotein specified by herpes simplex virus 1. Ackermann M, et al. **Virology** 1986 Apr 15;150(1):207-20

In vitro translation of cucumoviral satellites. II. CARNA 5 from cucumber mosaic virus strain S and SP6 transcripts of cloned (S)CARNA 5 cDNA produce electrophoretically comigrating protein products. Avila-Rincon MJ, et al. **Virology** 1986 Jul 30;152(2):455-8

Vaccinia virus proteins on the plasma membranes of infected cells. IV. Studies employing L cells infected with ultraviolet-irradiated vaccinia virions. Domber E, et al. **Virology** 1986 Jul 30;152(2):331-42

Potential length determiner and DNA injection protein is extruded from bacteriophage T4 tail tubes in vitro. Duda RL, et al. **Virology** 1986 Jun;151(2):296-314

Descriptive analysis of Ebola virus proteins. Elliott LH, et al. **Virology** 1985 Nov;147(1):169-76

Two-dimensional analysis of African swine fever virus proteins and proteins induced in infected cells. Esteves A, et al. **Virology** 1986 Jul 15;152(1):192-206

The 10K virion phosphoprotein encoded by gene US9 from herpes simplex virus type 1. Frame MC, et al. **Virology** 1986 Apr 30;150(2):321-32

Ultrastructural localization of L and NS enzyme subunits on vesicular stomatitis virus RNPs using gold sphere-staphylococcal protein A-monospecific IgG conjugates. Harmon SA, et al. **Virology** 1985 Apr 30; 142(2):406-10

Biochemical and biological characteristics of epitopes on the E1 glycoprotein of western equine encephalitis virus. Hunt AR, et al. **Virology** 1985 Apr 30;142(2):334-46

Subunit arrangement of the tail fiber of bacteriophage T3. Kato H, et al. **Virology** 1986 Aug;153(1):80-6

Nucleotide sequence of the 26 S mRNA of the virulent Trinidad donkey strain of Venezuelan equine encephalitis virus and deduced sequence of the encoded structural proteins. Kinney RM, et al. **Virology** 1986 Jul 30; 152(2):400-13

Vaccinia virus proteins on the plasma membrane of infected cells. III. Infection of peritoneal macrophages. Natuk RJ, et al. **Virology** 1985 Dec;147(2):354-72

Isolation of cowpox virus A-type inclusions and characterization of their major protein component. Patel DD, et al. **Virology** 1986 Mar;149(2):174-89

Localization of P, NP, and M proteins on Sendai virus nucleocapsid using immunogold labeling. Portner A, et al. **Virology** 1986 Apr 30;150(2):469-78

Biochemical characterization of two Epstein-Barr virus early antigen-associated phosphopolypeptides. Roeckel D, et al. **Virology** 1985 Dec;147(2):253-63

Identification and characterization of a mouse mammary tumor virus protein uniquely expressed on the surface of BALB/cV mammary tumor cells. Slagle BL, et al. **Virology** 1985 May;143(1):127-42

Topographical analysis of bovine herpesvirus type-1 glycoproteins: use of monoclonal antibodies to identify and characterize functional epitopes. van Drunen Littel-van den Hurk S, et al. **Virology** 1985 Jul 15;144(1):216-27

Subcellular localization of the 30K protein in TMV-inoculated tobacco protoplasts. Watanabe Y, et al. **Virology** 1986 Jul 30;152(2):414-20

Detailed immunologic analysis of the structural polypeptides of rubella virus using monoclonal antibodies. Waxham MN, et al. **Virology** 1985 May;143(1):153-65

Anti-complement immunofluorescence establishes nuclear localization of human cytomegalovirus matrix protein. Weiner D, et al. **Virology** 1985 Nov;147(1):19-28

Structural components of bovine leukemia virus: further biochemical and immunological characterization of major structural proteins and glycoproteins. Uckert W, et al. **Virus Res** 1986 Jun;4(4):343-56

Influenza equi 2: patterns of RNA and protein in variant strains. Abusugra IA, et al. **Zentralbl Veterinarmed [B]** 1985 Sep;32(8):567-74

Comparative biochemical and serological studies on two fish-pathogenic rhabdoviruses (VHS-V and SVC-V). Deuter A, et al. **Zentralbl Veterinarmed [B]** 1986 Feb; 33(1):36-46

[Demonstration of the M-protein of the Newcastle disease virus by current immunochemical methods] Dumanova L, et al. **Vet Med Nauki** 1986;23(3):23–8 (Eng. Abstr.) **(Bul)**

[Structure and function of the src gene product] Hideo I. **Tanpakushitsu Kakusan Koso** 1986 Apr;31(5):391–7 (42 ref.) **(Jpn)**

[N-terminal amino acid sequences of the structural proteins of the tick-borne encephalitis virus] Pletnev AG, et al. **Bioorg Khim** 1985 Dec;11(12):1681–4 (Eng. Abstr.) **(Rus)**

[Virus-specific proteins in cells transformed by the chicken sarcoma virus D6] Mazurenko NN, et al. **Eksp Onkol** 1986; 8(3):18–21 (Eng. Abstr.) **(Rus)**

[Proteins of the basal plate of bacteriophage T4 participating in the contractile impulse] Turkin AI, et al. **Mol Biol (Mosk)** 1985 Nov–Dec;19(6):1610–9 (Eng. Abstr.) **(Rus)**

[2 nonstructural glycosylated polyproteins coded by the gag gene of retrovirus type D] Morozov VA. **Vopr Onkol** 1986; 32(1):89–94 (Eng. Abstr.) **(Rus)**

[Structural organization and proteins of the human type-3 para-influenza virus] Bukrinskaia AG, et al. **Vopr Virusol** 1986 Jan–Feb;31(1):45–51 (Eng. Abstr.) **(Rus)**

[Demonstration and study of the internal proteins of the influenza B virus using solid-phase radioimmunological analysis] Ivanova VT, et al. **Vopr Virusol** 1985 Jul–Aug; 30(4):394–7 (Eng. Abstr.) **(Rus)**

[Mobility study of influenza C virus proteins in cellulose acetate electrophoresis] Liubovtseva OV, et al. **Vopr Virusol** 1985 Nov–Dec;30(6):668–71 (Eng. Abstr.) **(Rus)**

[Differences in the electrophoretic mobility of the low-molecular virus-specific proteins of viruses of the tick-borne encephalitis complex] Zhankov AI, et al. **Vopr Virusol** 1985 Sep–Oct;30(5):610–4 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Inhibition of herpes simplex virus DNA polymerase by purine ribonucleoside monophosphates. Frank KB, et al. **J Biol Chem** 1986 Feb 5;261(4):1510–3

BIOSYNTHESIS

Foot-and-mouth disease virus capsid proteins VP0, VP1 and VP3 synthesized by "in vitro" translation are the major components of 14S particles. Grigera P, et al. **Acta Virol (Praha)** 1985 Dec;29(6):449–54

Regulation of protein synthesis in virus-infected animal cells. Kozak M. **Adv Virus Res** 1986;31:229–92 (377 ref.)

Scrapie prion proteins are synthesized in neurons. Kretzschmar HA, et al. **Am J Pathol** 1986 Jan;122(1):1–5

Protein synthesis in cells infected by chilo iridescent virus (iridovirus, type 6). Barray S, et al. **Arch Virol** 1985; 86(3–4):315–26

Human rhinovirus protein synthesis and polyprotein cleavage in infected HeLa-RH cells. Brief report. Decock B, et al. **Arch Virol** 1986;90(3–4):337–42

Patterns of polypeptide synthesis in human rotavirus infected cells. Sato T, et al. **Arch Virol** 1986;90(1–2):29–40

Proteins expressed by Mill Door/79 virus, a Kemerovo serogroup orbivirus transmitted by the ticks Ixodes uriae. Spence RP, et al. **Arch Virol** 1986;90(1–2):53–62

Biosynthesis of reovirus-specified polypeptides. Molecular cDNA cloning and nucleotide sequence of the reovirus serotype 1 Lang strain s4 mRNA which encodes the major capsid surface polypeptide sigma 3. Atwater JA, et al. **Biochem Biophys Res Commun** 1986 Apr 14;136(1):183–92

Expression of intact Ki-ras p21 protein in Escherichia coli. Tamaoki T, et al. **Biochem Biophys Res Commun** 1985 Oct 15;132(1):126–33

Identification of sites of cysteine misincorporation during in vivo synthesis of bacteriophage T7 0.3 protein. Rice JB, et al. **Biochim Biophys Acta** 1986 May 27;867(1–2):57–66

Effect of monensin on the synthesis, maturation and secretion of vesicular stomatitis virus proteins in a monensin-resistant Chinese hamster ovary cell line. Ono M, et al. **Cell Struct Funct** 1985 Sep;10(3):279–94

A tentative model of formation of structural proteins of tick-borne encephalitis virus (flavivirus). Lyapustin VN, et al. **FEBS Lett** 1986 May 12;200(2):314–6

Restrictive events in the replication of hepatitis A virus in vitro. Anderson DA, et al. **Intervirology** 1985;24(1):26–32

Lycorine: a eukaryotic termination inhibitor? Vrijsen R, et al. **J Biol Chem** 1986 Jan 15;261(2):505–7

Identification of dengue type 2 virus-specific high molecular weight proteins in virus-infected BHK cells. Cleaves GR. **J Gen Virol** 1985 Dec;66 (Pt 12):2767–71

The effect of triterpenoid compounds on uninfected and herpes simplex virus-infected cells in culture. II. DNA and protein synthesis, polypeptide processing and transport. Dargan DJ, et al. **J Gen Virol** 1986 Sep;67 (Pt 9):1831–50

Asynchronous expression of the immediate-early protein of herpesvirus saimiri in populations of productively infected cells. Randall RE, et al. **J Gen Virol** 1985 Oct;66 (Pt 10):2199–213

Respiratory syncytial virus glycoprotein expression in human and simian cell lines. Routledge EG, et al. **J Gen Virol** 1986 Sep;67 (Pt 9):2059–64

Hantaan virus replication: effects of monensin, tunicamycin and endoglycosidases on the structural glycoproteins. Schmaljohn CS, et al. **J Gen Virol** 1986 Apr;67 (Pt 4):707–17

Equine arteritis virus-induced polypeptide synthesis. van Berlo MF, et al. **J Gen Virol** 1986 Aug;67 (Pt 8):1543–9

hflB, a new Escherichia coli locus regulating lysogeny and the level of bacteriophage lambda cII protein. Banuett F, et al. **J Mol Biol** 1986 Jan 20;187(2):213–24

Specific proteins synthesized during the viral lytic cycle in vaccinia virus-infected HeLa cells: analysis by high-resolution, two-dimensional gel electrophoresis. Carrasco L, et al. **J Virol** 1986 May;58(2):569–77

Effect of cloned human interferons on protein synthesis and morphogenesis of herpes simplex virus. Chatterjee S, et al. **J Virol** 1985 Nov;56(2):419–25

Characterization of the genes encoding herpes simplex virus type 1 and type 2 alkaline exonucleases and overlapping proteins. Draper KG, et al. **J Virol** 1986 Mar;57(3):1023–36

The soluble glycoprotein of vesicular stomatitis virus is formed during or shortly after the translation process. Graeve L, et al. **J Virol** 1986 Mar;57(3):968–75

Internal initiation of translation on the vesicular stomatitis virus phosphoprotein mRNA yields a second protein. Herman RC. **J Virol** 1986 Jun;58(3):797–804

Synthesis, processing, and secretion of the Marek's disease herpesvirus A antigen glycoprotein. Isfort RJ, et al. **J Virol** 1986 Feb;57(2):464–74

Characterization and translation of transmissible gastroenteritis virus mRNAs. Jacobs L, et al. **J Virol** 1986 Mar;57(3):1010–5

The minute virus of mice P39 transcription unit can encode both capsid proteins. Labieniec-Pintel L, et al. **J Virol** 1986 Mar;57(3):1163–7

Constitutive and retinoic acid-inducible expression of cytomegalovirus immediate-early genes in human teratocarcinoma cells. LaFemina R, et al. **J Virol** 1986 May; 58(2):434–40

Biosynthesis and properties of the adenovirus 2 L1-encoded 52,000- and 55,000-Mr proteins. Lucher LA, et al. **J Virol** 1986 Mar;57(3):839–47

Synthesis of the Ad2+ND5-specified 42K protein is regulated posttranscriptionally in abortively infected monkey cells. Silverman L, et al. **J Virol** 1985 Dec; 56(3):814–20

Biosynthesis of adenovirus type 2 i-leader protein. Symington JS, et al. **J Virol** 1986 Mar;57(3):848–56

Cleavage of a viral polyprotein by a cellular proteolytic activity. Tian YC, et al. **J Virol** 1986 Feb;57(2):547–51

In vitro experimental infection of primary duck hepatocyte cultures with duck hepatitis B virus. Tuttleman JS, et al. **J Virol** 1986 Apr;58(1):17–25

Synthesis and processing of bovine herpesvirus 1 glycoproteins. van Drunen Littel-van den Hurk S, et al. **J Virol** 1986 Aug;59(2):401–10

Herpes simplex virus suppression of human endothelial matrix protein synthesis is independent of viral protein synthesis. Kefalides NA, et al. **Lab Invest** 1986 Sep;55(3):328–36

Studies on the mechanism of lymphocytic choriomeningitis virus homologous interference. Bruns M, et al. **Med Microbiol Immunol (Berl)** 1986;175(2–3):101–4

Effect of hypertonic conditions on protein synthesis in MA104 cells infected with human rotavirus. Sato T, et al. **Med Microbiol Immunol (Berl)** 1985;174(4):211–20

Can ACG serve as an initiation codon for protein synthesis in eucaryotic cells? Anderson CW, et al. **Mol Cell Biol** 1985 Dec;5(12):3621–4

Synthesis of the complete trans-activation gene product of human T-lymphotropic virus type III in Escherichia coli: demonstration of immunogenicity in vivo and expression in vitro. Aldovini A, et al. **Proc Natl Acad Sci USA** 1986 Sep;83(18):6672–6

Polypeptides of Mason-Pfizer monkey virus. II. Synthesis and processing of the env gene products. Bradac J, et al. **Virology** 1986 Apr 30;150(2):491–502

Polypeptides of Mason-Pfizer monkey virus. III. Translational order of proteins on the gag and env gene specified precursor polypeptides. Bradac JA, et al. **Virology** 1986 Apr 30;150(2):503–8

Expression of reovirus p14 in bacteria and identification in the cytoplasm of infected mouse L cells. Ceruzzi M, et al. **Virology** 1986 Aug;153(1):35–45

Restriction of frog virus 3 polypeptide synthesis to immediate early and delayed early species by supraoptimal temperatures. Cordier O, et al. **Virology** 1986 Jul 30; 152(2):355–64

Overproduction and purification of the products of bacteriophage T3 genes 18 and 19, two genes involved in DNA packaging. Hamada K, et al. **Virology** 1986 May; 151(1):110–8

The antiherpes drug (E)-5-(2-bromovinyl)-2'-deoxyuridine (BVdU) interferes with formation of N-linked and of O-linked oligosaccharides of the herpes simplex virus type 1 glycoprotein C. Olofsson S, et al. **Virology** 1985 Nov; 147(1):201–5

Modulation of the expression of poliovirus proteins in reticulocyte lysates. Phillips BA, et al. **Virology** 1986 Jan 30;148(2):255–67

The effect of overproduction of nonstructural proteins on alphavirus plus-strand and minus-strand RNA synthesis. Sawicki SG, et al. **Virology** 1986 Jul 30;152(2):507–12

Synthesis of herpes simplex virus proteins and nucleic acids in interferon-treated macrophages. Straub P, et al. **Virology** 1986 Apr 30;150(2):411–8

The overproduction and characterization of the bacteriophage Mu regulatory DNA-binding protein ner. Tolias PP, et al. **Virology** 1986 Jan 30;148(2):298–311

Ross River virus mutant with a deletion in the E2 gene: properties of the virion, virus-specific macromolecule synthesis, and attenuation of virulence for mice. Vrati S, et al. **Virology** 1986 Jun;151(2):222–32

Expression of genes encoding vesicular stomatitis and Sindbis virus glycoproteins in yeast leads to formation of disulfide-linked oligomers. Wen D, et al. **Virology** 1986 Aug;153(1):150–4

The NS-1 polypeptide of the autonomous parvovirus MVM is a nuclear phosphoprotein. Cotmore SF, et al. **Virus Res** 1986 May;4(3):243–50

[Search for the detection of matrix (M) protein nucleotide sequences in subacute sclerosing panencephalitis (SSPE) frozen brain tissue by in situ hybridization] Nakamura S, et al. **Rinsho Shinkeigaku** 1985 Oct;25(10):1141–7 (Eng. Abstr.) **(Jpn)**

[Relation between structure of eukaryotic messenger RNA and efficiency of protein synthesis] Miura K, et al. **Tanpakushitsu Kakusan Koso** 1985 Jun;30(7 Suppl):711–21 **(Jpn)**

[Synthesis of virus-specific and cellular proteins in the presence of bonafton] Gerasina SF, et al. **Farmakol Toksikol** 1985 Sep–Oct;48(5):92–6 (Eng. Abstr.) **(Rus)**

GENETICS

A comparison of the induced polypeptides and RNAs of three orbiviruses isolated from ticks (Ixodes uriae) collected in seabird colonies on the Isle of May, Scotland. Spence RP, et al. **Acta Virol (Praha)** 1986 Jan;30(1):19–24

Virion proteins and the perspectives of gene manipulations in vaccine preparation. Tickhonenko TI. **Acta Virol (Praha)** 1985 May;29(3):254–65 (78 ref.)

The functions of oligosaccharide chains associated with influenza C viral glycoproteins. I. The formation of influenza C virus particles in the absence of glycosylation. Hono S, et al. **Arch Virol** 1986;89(1–4):171–87

Studies on rat cytomegalovirus induced structural and non-structural proteins present at (immediate-)early and late times of infection. Meijer H, et al. **Arch Virol** 1986; 89(1–4):45–56

Monoclonal antibody detection of transformation associated protein (TAP) in ts110 Moloney murine sarcoma virus transformed 6M2 cells that are different from the mos gene product. Chan JC, et al. **Biochem Biophys Res Commun** 1986 Feb 13;134(3):1223–30

Verification of the DNA predicted amino acid sequence of bacteriophage P22 tail protein by mass spectrometry. Beckner CF, et al. **Biomed Mass Spectrom** 1985 Aug; 12(8):393–8

Characterization of the intron in the phage T4 thymidylate synthase gene and evidence for its self-excision from the primary transcript. Chu FK, et al. **Cell** 1986 Apr 25; 45(2):157–66

The stability of bacteriophage T4 gene 32 mRNA: a 5' leader sequence that can stabilize mRNA transcripts. Gorski K, et al. **Cell** 1985 Dec;43(2 Pt 1):461–9

Possible sequences for nuclear accumulation of parvoviral proteins. Lederman M, et al. **Cell Biol Int Rep** 1986 May; 10(5):383–7

The amino terminal half of the MS2-coded lysis protein is dispensable for function: implications for our understanding of coding region overlaps. Berkhout B, et al. **EMBO J** 1985 Dec 1;4(12):3315–20

A transcriptional enhancer sequence of HTLV-I is responsible for trans-activation mediated by p40 chi HTLV-I. Fujisawa J, et al. **EMBO J** 1986 Apr;5(4):713–8

Appropriate glycosylation of the fms gene product is a prerequisite for its transforming potency. Hadwiger A, et al. **EMBO J** 1986 Apr;5(4):689–94

Cellular proteins expressed in herpes simplex virus transformed cells also accumulate on herpes simplex virus infection. Macnab JC, et al. **EMBO J** 1985 Dec 1; 4(12):3223–8

Reinitiation of translocation in the Semliki Forest virus structural polyprotein: identification of the signal for the E1 glycoprotein. Melancon P, et al. **EMBO J** 1986 Jul; 5(7):1551–60

The receptor specificity of bacteriophages can be determined by a tail fiber modifying protein. Riede I, et al. **EMBO J** 1985 Sep;4(9):2343–6

Surface expression of viral glycoproteins is polarized in epithelial cells infected with recombinant vaccinia viral vectors. Stephens EB, et al. **EMBO J** 1986 Feb;5(2):237–45

Binding and bending of the lambda replication origin by the phage O protein. Zahn K, et al. **EMBO J** 1985 Dec 16; 4(13A):3605–16

Tick-borne encephalitis virus genome. The nucleotide sequence coding for virion structural proteins. Pletnev AG, et al. **FEBS Lett** 1986 May 12;200(2):317–21

Two distinct polypeptides may be translated from a single spliced mRNA of the X genes of human T-cell leukemia and bovine leukemia viruses. Sagata N, et al. **FEBS Lett** 1985 Nov 11;192(1):37–42

Detection of the X gene product of simian T-cell leukemia virus. Tsujimoto A, et al. **FEBS Lett** 1986 Feb 17; 196(2):301–4

Inverted terminal repeats and terminal proteins of the

genomes of pneumococcal phages. Escarmis C, et al. Gene 1985;36(3):341–8
Selective inhibition of Escherichia coli recBC activities by plasmid-encoded GamS function of phage lambda. Friedman SA, et al. Gene 1986;43(3):255–63
The complete sequence of Bacillus phage phi 29 gene 16: a protein required for the genome encapsidation reaction. Garvey KJ, et al. Gene 1985;40(2–3):311–6
Differential expression of influenza N protein and neuraminidase antigenic determinants in Escherichia coli. Jones IM, et al. Gene 1985;35(3):333–42
Expression of the E2 open reading frame of papilloma viruses BPV1 and HPV6b in Escherichia coli. Mallon RG, et al. Gene 1986;42(3):241–51
Nucleotide sequence of gene F of Bacillus phage Nf. Mizukami Y, et al. Gene 1986;42(2):231–5
Expression of the Epstein–Barr virus 138–kDa early protein in Escherichia coli for the use as antigen in diagnostic tests. Motz M, et al. Gene 1986;42(3):303–12
Expression in bacteria of gB–glycoprotein–coding sequences of Herpes simplex virus type 2. Person S, et al. Gene 1985; 35(3):279–87
Characterization and sequencing of the region containing gene N, the nutL site and tL1 terminator of bacteriophage phi 80. Tanaka S, et al. Gene 1985;38(1–3):119–29
A method for efficient ger.e isolstion from phage lambda gt11 libraries: use of antisera to denatured, acetone–precipitated proteins. Timmins JG, et al. Gene 1985;39(1):89–93
Cloning and expression of the ltf gene of bacteriophage T5. Heller KJ, et al. J Bacteriol 1986 Sep;167(3):1071–3
cis–acting proteins. McFall E. J Bacteriol 1986 Aug; 167(2):429–32
Mutational analysis of bacteriophage lambda lysis gene S. Raab R, et al. J Bacteriol 1986 Sep;167(3):1035–42
Incompatibility repressor in a RepA–like replicon of the IncFI plasmid ColV2–K94. Weber PC, et al. J Bacteriol 1986 Jun;166(3):1106–12
Bacteriophage T4 DNA replication protein 61. Cloning of the gene and purification of the expressed protein. Hinton DM, et al. J Biol Chem 1985 Oct 15;260(23):12858–65
Bacteriophage T4 DNA replication protein 41. Cloning of the gene and purification of the expressed protein. Hinton DM, et al. J Biol Chem 1985 Oct 15;260(23):12851–7
Role of glycosylation in transport of vesicular stomatitis virus envelope glycoprotein. A new class of mutant defective in glycosylation and transport of G protein. Kotwal GJ, et al. J Biol Chem 1986 Jul 5;261(19):8936–43
Polyoma virus major capsid protein, VP1. Purification after high level expression in Escherichia coli. Leavitt AD, et al. J Biol Chem 1985 Oct 15;260(23):12803–9
Mutants of the membrane–binding region of Semliki Forest virus E2 protein. I. Cell surface transport and fusogenic activity. Cutler DF, et al. J Cell Biol 1986 Mar; 102(3):889–901
Mutants of the membrane–binding region of Semliki Forest virus E2 protein. II. Topology and membrane binding. Cutler DF, et al. J Cell Biol 1986 Mar;102(3):902–10
Attenuation of wild–type human influenza A virus by acquisition of the PA polymerase and matrix protein genes of influenza A/Ann Arbor/6/60 cold–adapted donor virus. Snyder MH, et al. J Clin Microbiol 1985 Nov;22(5):719–25
African swine fever virus gene expression in infected Vero cells. Carvalho ZG, et al. J Gen Virol 1986 Jul;67 (Pt 7):1343–50
Molecular cloning of complementary DNA to Newcastle disease virus, and nucleotide sequence analysis of the junction between the genes encoding the haemagglutinin–neuraminidase and the large protein. Chambers P, et al. J Gen Virol 1986 Mar;67 (Pt 3):475–86
Two initiation sites for foot–and–mouth disease virus polyprotein in vivo. Clarke BE, et al. J Gen Virol 1985 Dec;66 (Pt 12):2615–26
Identification of the products of a varicella–zoster virus glycoprotein gene. Davison AJ, et al. J Gen Virol 1985 Oct;66 (Pt 10):2237–42
Expression of recombinant vaccinia virus–derived alphavirus proteins in mosquito cells. Franke CA, et al. J Gen Virol 1985 Dec;66 (Pt 12):2761–5
Cloning and expression of a viral phosphoprotein: structure suggests vesicular stomatitis virus NS may function by mimicking an RNA template. Hudson LD, et al. J Gen Virol 1986 Aug;67 (Pt 8):1571–9
Molecular determinants of alphavirus neurovirulence: nucleotide and deduced protein sequence changes during attenuation of Venezuelan equine encephalitis virus. Johnson BJ, et al. J Gen Virol 1986 Sep;67 (Pt 9):1951–60
Transformation of human 143 tk– cells with plasmids containing the gene encoding the adenovirus DNA–binding protein. Laanen HJ, et al. J Gen Virol 1985 Nov;66 (Pt 11):2395–406
Location and nucleotide sequence of the Orgyia pseudotsugata single nucleocapsid nuclear polyhedrosis virus polyhedrin gene. Leisy D, et al. J Gen Virol 1986 Jun;67 (Pt 6):1073–9
Mapping of the major glycoprotein gene of human cytomegalovirus. Mach M, et al. J Gen Virol 1986 Jul;67 (Pt 7):1461–7
Expression of the S–coded genes of lymphocytic choriomeningitis arenavirus using a baculovirus vector. Matsuura Y, et al. J Gen Virol 1986 Aug;67 (Pt 8):1515–29
Nucleotide sequence of cDNA clones encoding the outer capsid protein, VP5, of bluetongue virus serotype 10. Purdy MA, et al. J Gen Virol 1986 May;67 (Pt 5):957–62
Conservation of potential phosphorylation sites in the NS proteins of the New Jersey and Indiana serotypes of vesicular stomatitis virus. Rae BP, et al. J Gen Virol 1986 Jul;67 (Pt 7):1351–60
Characterization of clones for the sixth (L) gene and a transcriptional map for morbilliviruses. Rima BK, et al. J Gen Virol 1986 Sep;67 (Pt 9):1971–8
Evolution of vesicular stomatitis virus in athymic nude mice: mutations associated with natural killer cell selection. Vandepol SB, et al. J Gen Virol 1986 Mar;67 (Pt 3):441–51
Morphogenesis of fl filamentous bacteriophage. Increased expression of gene I inhibits bacterial growth. Horabin JI, et al. J Mol Biol 1986 Apr 5;188(3):403–13
Confidence limits for homology in protein or gene sequences. The c–myc oncogene and adenovirus E1a protein. McLachlan AD, et al. J Mol Biol 1985 Sep 5;185(1):39–49
Lack of evidence for VPg priming of poliovirus RNA synthesis in the host factor–dependent in vitro replicase reaction. Andrews NC, et al. J Virol 1986 Apr;58(1):212–5
Matrix genes of measles virus and canine distemper virus: cloning, nucleotide sequences, and deduced amino acid sequences. Bellini WJ, et al. J Virol 1986 May;58(2):408–16
Organization of the thymidylate synthase gene of herpesvirus saimiri. Bodemer W, et al. J Virol 1986 Oct;60(1):114–23
Characterization of a gene coding for M proteins which is involved in host range restriction of an avian influenza A virus in monkeys. Buckler–White AJ, et al. J Virol 1986 Feb;57(2):697–700
Identification of an amino acid essential to the normal assembly of Autographa californica nuclear polyhedrosis virus polyhedra. Carstens EB, et al. J Virol 1986 May; 58(2):684–8
Further characterization of the vesicular stomatitis virus temperature–sensitive O45 mutant: intracellular conversion of the glycoprotein to a soluble form. Chen SS, et al. J Virol 1986 Aug;59(2):210–5
Localization of the coding region for an Epstein–Barr virus early antigen and inducible expression of this 60–kilodalton nuclear protein in transfected fibroblast cell lines. Cho MS, et al. J Virol 1985 Dec;56(3):852–9
A second Epstein–Barr virus early antigen gene in BamHI fragment M encodes a 48– to 50–kilodalton nuclear protein. Cho MS, et al. J Virol 1985 Dec;56(3):860–6
Reovirus guanylyltransferase is L2 gene product lambda 2. Cleveland DR, et al. J Virol 1986 Oct;60(1):307–11
Organization of nonstructural genes of the autonomous parvovirus minute virus of mice. Cotmore SF, et al. J Virol 1986 Jun;58(3):724–32
Ribosomal initiation at alternate AUGs on the Sendai virus P/C mRNA. Curran JA, et al. J Virol 1986 Feb;57(2):684–7
Site–specific alteration of murine hepatitis virus type 4 peplomer glycoprotein E2 results in reduced neurovirulence. Dalziel RG, et al. J Virol 1986 Aug; 59(2):463–71
Isolation and characterization of deletion mutants of herpes simplex virus type 1 in the gene encoding immediate–early regulatory protein ICP4. DeLuca NA, et al. J Virol 1985 Nov;56(2):558–70
Nonsense mutation in open reading frame E2 of bovine papillomavirus DNA. DiMaio D. J Virol 1986 Feb; 57(2):475–80
Sequence alterations in temperature–sensitive M–protein mutants (complementation group III) of vesicular stomatitis virus. Gopalakrishna Y, et al. J Virol 1985 Dec;56(3):655–9
Functional mapping of a trans–activating gene required for expression of a baculovirus delayed–early gene. Guarino LA, et al. J Virol 1986 Feb;57(2):563–71
Development of a helper–independent human adenovirus vector and its use in the transfer of the herpes simplex virus thymidine kinase gene. Haj–Ahmad Y, et al. J Virol 1986 Jan;57(1):267–74
Mapping of herpesvirus saimiri proteins on the viral genome: proteins dependent and not dependent on viral DNA synthesis. Hell W, et al. J Virol 1985 Nov;56(2):414–8
Palindromic structure and polypeptide expression of 36 kilobase pairs of heterogeneous Epstein–Barr virus (P3HR–1) DNA. Jenson HB, et al. J Virol 1986 May; 58(2):475–86
Putative glycoprotein gene of varicella–zoster virus with variable copy numbers of a 42–base–pair repeat sequence has homology to herpes simplex virus glycoprotein C. Kinchington PR, et al. J Virol 1986 Sep;59(3):660–8
Similar regulation of the synthesis of adenovirus fiber and of simian virus 40–specific proteins encoded by the helper–defective Ad2+SV40 hybrid viruses Ad2+ND5 and Ad2+ND4del. Klockmann U, et al. J Virol 1985 Dec; 56(3):821–9
The 89,000–Mr murine cytomegalovirus immediate–early protein activates gene transcription. Koszinowski UH, et al. J Virol 1986 Apr;58(1):59–66
Nucleotide sequence and protein overproduction of bacteriophage T4 thioredoxin. LeMaster DM. J Virol 1986 Sep;59(3):759–60
In vitro mutagenesis of the putative membrane–binding domain of polyomavirus middle–T antigen. Markland W, et al. J Virol 1986 Jul;59(1):82–9
Mutagenesis of bacteriophage T7 and T7 DNA by alkylation damage. Masker WE, et al. J Virol 1985 Nov;56(2):644–6
Hepatitis B virus polypeptide X: expression in Escherichia coli and identification of specific antibodies in sera from hepatitis B virus–infected humans. Meyers ML, et al. J Virol 1986 Jan;57(1):101–9
Expression of hepatitis B virus core antigen gene in Saccharomyces cerevisiae: synthesis of two polypeptides translated from different initiation codons. Miyanohara A, et al. J Virol 1986 Jul;59(1):176–80
Structural domains of the avian erythroblastosis virus erbB protein required for fibroblast transformation: dissection by in–frame insertional mutagenesis. Ng M, et al. J Virol 1986 May;58(2):542–53
Spontaneous deletion mutants resulting from a frameshift insertion in the simian virus 40 agnogene. Nomura S, et al. J Virol 1986 Apr;58(1):165–72
Three trans–acting regulatory proteins of herpes simplex virus modulate immediate–early gene expression in a pathway involving positive and negative feedback regulation. O'Hare P, et al. J Virol 1985 Dec;56(3):723–33
Regulation of viral transcription by the matrix protein of vesicular stomatitis virus probed by monoclonal antibodies and temperature–sensitive mutants. Pal R, et al. J Virol 1985 Nov;56(2):386–94
Measurement of the mutation rates of animal viruses: influenza A virus and poliovirus type 1. Parvin JD, et al. J Virol 1986 Aug;59(2):377–83
DNA sequence of the gene for pseudorabies virus gp50, a glycoprotein without N–linked glycosylation. Petrovskis EA, et al. J Virol 1986 Aug;59(2):216–23
Guanidine–selected mutants of poliovirus: mapping of point mutations to polypeptide 2C. Pincus SE, et al. J Virol 1986 Feb;57(2):638–46
Expression of the protein product of the mouse mammary tumor virus long terminal repeat gene in phorbol ester–treated mouse T–cell–leukemia cells. Racevskis J. J Virol 1986 May;58(2):441–9
Physical mapping of temporally regulated, overlapping transcripts in the region of the 10K protein gene in Autographa californica nuclear polyhedrosis virus. Rankin C, et al. J Virol 1986 Jan;57(1):18–27
Identification of a new glycoprotein of herpes simplex virus type 1 and genetic mapping of the gene that codes for it. Richman DD, et al. J Virol 1986 Feb;57(2):647–55
Characterization of a pseudorabies virus glycoprotein gene with homology to herpes simplex virus type 1 and type 2 glycoprotein C. Robbins AK, et al. J Virol 1986 May; 58(2):339–47
Pseudorabies virus gene encoding glycoprotein gIII is not essential for growth in tissue culture. Robbins AK, et al. J Virol 1986 Sep;59(3):635–45
Individual adenovirus type 5 early region 1A gene products elicit distinct alterations of cellular morphology and gene expression. Roberts BE, et al. J Virol 1985 Nov; 56(2):404–13
Recombination and oligonucleotide analysis of guanidine–resistant foot–and–mouth disease virus mutants. Saunders K, et al. J Virol 1985 Dec;56(3):921–9
Identification and localization of pre–s–encoded polypeptides from woodchuck and ground squirrel hepatitis viruses. Schaeffer E, et al. J Virol 1986 Jan;57(1):173–82
Human parainfluenza virus type 3: messenger RNAs, polypeptide coding assignments, intergenic sequences, and genetic map. Spriggs MK, et al. J Virol 1986 Sep; 59(3):646–54
2.2–kilobase class of early transcripts encoded by cell–related sequences in human cytomegalovirus strain AD169. Staprans SI, et al. J Virol 1986 Feb;57(2):591–602
Autoregulation of the human cytomegalovirus major immediate–early gene. Stenberg RM, et al. J Virol 1985 Dec;56(3):676–82
Gene coding for the late 11,000–dalton polypeptide of the Tian Tan strain of vaccinia virus and its 5'–flanking region: nucleotide sequence. Tsao H, et al. J Virol 1986 Feb; 57(2):693–6
Molecular cloning and sequence determination of the genomic regions encoding protease and genome–linked protein of three picornaviruses. Werner G, et al. J Virol 1986 Mar;57(3):1084–93
trans activation of an immediate–early frog virus 3 promoter by a virion protein. Willis DB, et al. J Virol 1985 Nov; 56(2):495–501
Functional cDNA library for efficient expression of measles virus–specific gene products in primate cells. Wong TC, et al. J Virol 1986 Jan;57(1):343–8
The p40x of human T–cell leukemia virus type I is a trans–acting activator of viral gene transcription. Seiki M, et al. Jpn J Cancer Res 1985 Dec;76(12):1127–31
Monoclonal antibody NCC–pX–1G reactive with gene products coded from X regions of human T–cell leukemia virus. Watanabe S, et al. Jpn J Cancer Res 1986 Apr; 77(4):338–41
The copy number of Bacillus plasmid pRBH1 is negatively controlled by RepB protein. Ano T, et al. MGG 1986 Mar; 202(3):416–20
Inhibition of bacterial segregation by early functions of phage mu and association of replication protein B with the inner cell membrane. Boeckh C, et al. MGG 1986 Mar; 202(3):461–6
Lytic activity localized to membrane–spanning region of phi X174 E protein. Buckley KJ, et al. MGG 1986 Jul; 204(1):120–5
Effect of an umuC mutation on phage lambda induction. Jenek J, et al. MGG 1985;201(2):158–60
Effect of relA function on the replication of plasmid pBR322

in Escherichia coli. Lin-Chao S, et al. MGG 1986 Apr; 203(1):150-3

Identification of T4 gene 25 product, a component of the tail baseplate, as a 15K lysozyme. Szewczyk B, et al. MGG 1986 Mar;202(3):363-7

Virus deletion mutants that affect a 3' splice site in the E3 transcription unit of adenovirus 2. Bhat BM, et al. Mol Cell Biol 1985 Sep;5(9):2405-13

Detection of c-abl tyrosine kinase activity in vitro permits direct comparison of normal and altered abl gene products. Konopka JB, et al. Mol Cell Biol 1985 Nov;5(11):3116-23

A single N-linked oligosaccharide at either of the two normal sites is sufficient for transport of vesicular stomatitis virus G protein to the cell surface. Machamer CE, et al. Mol Cell Biol 1985 Nov;5(11):3074-83

A tobacco mosaic virus-induced tobacco protein is homologous to the sweet-tasting protein thaumatin. Cornelissen BJ, et al. Nature 1986 May 29-Jun 4; 321(6069):531-2

The trans-activator gene of HTLV-III is essential for virus replication. Fisher AG, et al. Nature 1986 Mar 27-Apr 2; 320(6060):367-71

AIDS virus and scrapie agent share protein [letter] Haseltine WA, et al. Nature 1986 Sep 11-17;323(6084):115-6

Dissociation of transforming and trans-activation functions for bovine papillomavirus type 1. Yang YC, et al. Nature 1985 Dec 12-18;318(6046):575-7

RNA 2 of tobacco rattle virus strain TCM encodes an unexpected gene. Angenent GC, et al. Nucleic Acids Res 1986 Jun 11;14(11):4673-82

Nucleotide sequence encoding the membrane protein of the IBV strain 6/82. Binns MM, et al. Nucleic Acids Res 1986 Jul 11;14(13):5558

Persistence of DNA synthesis arrest sites in the presence of T4 DNA polymerase and T4 gene 32, 44, 45 and 62 DNA polymerase accessory proteins. Charette MF, et al. Nucleic Acids Res 1986 Apr 25;14(8):3343-62

DNA sequence of the herpes simplex virus type 1 gene whose product is responsible for transcriptional activation of immediate early promoters. Dalrymple MA, et al. Nucleic Acids Res 1985 Nov 11;13(21):7865-79

The nucleotide sequence of infectious pancreatic necrosis virus (IPNV) dsRNA segment A reveals one large ORF encoding a precursor polyprotein. Duncan R, et al. Nucleic Acids Res 1986 Jul 25;14(14):5933

Sequence of the T4 recombination gene, uvsX, and its comparison with that of the recA gene of Escherichia coli. Fujisawa H, et al. Nucleic Acids Res 1985 Oct 25; 13(20):7473-81

DNA replication is required for abundant expression of a plasmid-borne late US11 gene of herpes simplex virus type 1. Johnson PA, et al. Nucleic Acids Res 1986 May 12; 14(9):3609-25

The different intron 2 species excised in vivo from the E2A premRNA of adenovirus-2: an approach to analyse alternative splicing. Keohavong P, et al. Nucleic Acids Res 1986 Jul 11;14(13):5207-27

Complete DNA sequence of the short repeat region in the genome of herpes simplex virus type 1. McGeoch DJ, et al. Nucleic Acids Res 1986 Feb 25;14(4):1727-45

Localization and DNA sequence analysis of the C gene of bacteriophage Mu, the positive regulator of Mu late transcription. Margolin W, et al. Nucleic Acids Res 1986 Jun 25;14(12):4881-97

The gene II proteins of the filamentous phages IKe and Ff (M13, fd and f1) are not functionally interchangeable during viral strand replication. Peeters BP, et al. Nucleic Acids Res 1986 Jun 25;14(12):5067-80

Coronavirus MHV-JHM: nucleotide sequence of the mRNA that encodes the membrane protein. Pfleiderer M, et al. Nucleic Acids Res 1986 Aug 11;14(15):6338

DNA sequence of the region in the genome of herpes simplex virus type 1 containing the genes for DNA polymerase and the major DNA binding protein. Quinn JP, et al. Nucleic Acids Res 1985 Nov 25;13(22):8143-63

Polymorphism of the 3' open reading frame of the virus associated with the acquired immune deficiency syndrome, human T-lymphotropic virus type III. Ratner L, et al. Nucleic Acids Res 1985 Nov 25;13(22):8219-29

Determination of the complete nucleotide sequence of the Sendai virus genome RNA and the predicted amino acid sequences of the F, HN and L proteins. Shioda T, et al. Nucleic Acids Res 1986 Feb 25;14(4):1545-63

Complete nucleotide sequence of the nonstructural protein genes of Semliki Forest virus. Takkinen K. Nucleic Acids Res 1986 Jul 25;14(14):5667-82

Primary structure of leader RNA and nucleoprotein genes of the rabies genome: segmented homology with VSV. Tordo N, et al. Nucleic Acids Res 1986 Mar 25; 14(6):2671-83

Two juxtaposed tyrosyl-OH groups participate in phi X174 gene A protein catalysed cleavage and ligation of DNA. van Mansfeld AD, et al. Nucleic Acids Res 1986 May 27; 14(10):4229-38

Conservation of the cellular gene encoding the scrapie prion protein. Westaway D, et al. Nucleic Acids Res 1986 Mar 11;14(5):2035-44

Expression of the major glycoprotein G of human respiratory syncytial virus from recombinant vaccinia virus vectors. Ball LA, et al. Proc Natl Acad Sci USA 1986 Jan; 83(2):246-50

Herpes simplex virus immediate early infected-cell polypeptide 4 binds to DNA and promotes transcription. Beard P, et al. Proc Natl Acad Sci USA 1986 Jun; 83(11):4016-20

Detection of hepatitis B virus X product using an open reading frame Escherichia coli expression vector. Elfassi E, et al. Proc Natl Acad Sci USA 1986 Apr;83(7):2219-22

Multistep transformation by defined fragments of herpes simplex virus type 2 DNA: oncogenic region and its gene product. Hayashi Y, et al. Proc Natl Acad Sci USA 1985 Dec;82(24):8493-7

Definitive identification of a member of the Epstein-Barr virus nuclear protein 3 family. Hennessy K, et al. Proc Natl Acad Sci USA 1986 Aug;83(15):5693-7

Expression and site-specific mutagenesis of the poliovirus 3C protease in Escherichia coli. Ivanoff LA, et al. Proc Natl Acad Sci USA 1986 Aug;83(15):5392-6

p27x-III and p21x-III, proteins encoded by the pX sequence of human T-cell leukemia virus type I. Kiyokawa T, et al. Proc Natl Acad Sci USA 1985 Dec;82(24):8359-63

Alpha 4, the major regulatory protein of herpes simplex virus type 1, is stably and specifically associated with promoter-regulatory domains of alpha genes and of selected other viral genes. Kristie TM, et al. Proc Natl Acad Sci USA 1986 May;83(10):3218-22

DNA-binding site of major regulatory protein alpha 4 specifically associated with promoter-regulatory domains of alpha genes of herpes simplex virus type 1. Kristie TM, et al. Proc Natl Acad Sci USA 1986 Jul;83(13):4700-4

Analysis of the transcript encoding the latent Epstein-Barr virus nuclear antigen 1: a potentially polycistronic message generated by long-range splicing of several exons. Speck SH, et al. Proc Natl Acad Sci USA 1985 Dec;82(24):8305-9

Defective RNA splicing in the absence of adenovirus-associated RNAI. Svensson C, et al. Proc Natl Acad Sci USA 1986 Jul;83(13):4690-4

The polyhedrin gene of Bombyx mori nuclear polyhedrosis virus. Wang H, et al. Sci Sin [B] 1985 Oct;28(10):1051-9

Identification of the protein encoded by the E6 transforming gene of bovine papillomavirus. Androphy EJ, et al. Science 1985 Oct 25;230(4724):442-5

Transcription of class III genes activated by viral immediate early proteins. Gaynor RB, et al. Science 1985 Oct 25; 230(4724):447-50

Structure and variation of the influenza C glycoprotein. Pfeifer JB, et al. Vaccine 1985 Sep;3(3 Suppl):189-94

Cloning and sequencing of the granulin gene from the Trichoplusia ni granulosis virus. Akiyoshi D, et al. Virology 1985 Mar;141(2):328-32

Nucleotide sequence of the glycoprotein gene and intergenic region of the Lassa virus S genome RNA. Auperin DD, et al. Virology 1986 Oct 15;154(1):155-67

Primary structure of the West Nile flavivirus genome region coding for all nonstructural proteins. Castle E, et al. Virology 1986 Feb;149(1):10-26

Nucleotide sequences of the 1B and 1C nonstructural protein mRNAs of human respiratory syncytial virus. Collins PL, et al. Virology 1985 Jun;143(2):442-51

Effect of herpes simplex virus type 1 on cellular pools of oligosaccharide-lipid. Compton T, et al. Virology 1985 Nov;147(1):1-8

Relation between the levels of mRNA abundance and kinetics of protein synthesis in pseudorabies virus-infected cells. Deatly AM, et al. Virology 1985 Jun;143(2):558-68

Sequence analysis of the E2 gene of a hyperglycosylated, host restricted mutant of Sindbis virus and estimation of mutation rate from frequency of revertants. Durbin RK, et al. Virology 1986 Oct 15;154(1):135-43

Identification of nonstructural proteins encoded by viruses of the Bunyamwera serogroup (family Bunyaviridae). Elliott RM. Virology 1985 May;143(1):119-26

Isolation and characterisation of herpes simplex virus type 1 mutants which fail to induce dUTPase activity. Fisher FB, et al. Virology 1986 Jan 15;148(1):190-7

Complete nucleotide sequence of the matrix protein mRNA of vesicular stomatitis virus (New Jersey serotype). Gill DS, et al. Virology 1986 Apr 15;150(1):308-12

Nucleotide sequence of the structural glycoprotein VP7 gene of Nebraska calf diarrhea virus rotavirus: comparison with homologous genes from four strains of human and animal rotaviruses. Glass RI, et al. Virology 1985 Mar;141(2):292-8

Involvement of the invertible G segment in bacteriophage mu tail fiber biosynthesis. Grundy FJ, et al. Virology 1984 Apr 30;134(2):296-317

The short unique region of the B95-8 Epstein-Barr virus genome. Hudson GS, et al. Virology 1985 Nov;147(1):81-98

Complete sequences of the glycoproteins and M RNA of Punta Toro phlebovirus compared to those of Rift Valley fever virus. Ihara T, et al. Virology 1985 Jul 15; 144(1):246-59

Biosynthesis of reovirus-specified polypeptides: the reovirus s1 mRNA encodes two primary translation products. Jacobs BL, et al. Virology 1985 May;143(1):63-74

Biosynthesis of reovirus-specified polypeptides. The s1 mRNA synthesized in vivo is structurally and functionally indistinguishable from in vitro-synthesized s1 mRNA and encodes two polypeptides, sigma 1a and sigma 1bNS. Jacobs BL, et al. Virology 1985 Nov;147(1):9-18

Molecular and biological properties of MH2D12, a spontaneous mil deletion mutant of avian oncovirus MH2. Jansen HW, et al. Virology 1985 Apr 30;142(2):248-62

Influenza B virus PB1 protein; nucleotide sequence of the genome RNA segment predicts a high degree of structural homology with the corresponding influenza A virus polymerase protein. Kemdirim S, et al. Virology 1986 Jul 15;152(1):126-35

Nucleotide sequence of the Bunyamwera virus M RNA segment: conservation of structural features in the Bunyavirus glycoprotein gene product. Lees JF, et al. Virology 1986 Jan 15;148(1):1-14

The nucleotide sequence of the polyhedrin gene region from the multicapsid baculovirus of Orgyia pseudotsugata. Leisy D, et al. Virology 1986 Sep;153(2):280-8

Loss of enzyme activity in a site-directed mutant of influenza neuraminidase compared to expressed wild-type protein. Lentz MR, et al. Virology 1986 Jan 15;148(1):74-83

Presence in infected cells of nonvirion proteins encoded by adenovirus messenger RNAs of the major late transcription regions L0 and L1. Lewis JB, et al. Virology 1985 Jun; 143(2):452-66

Conservation in rotaviruses of the protein region containing the two sites associated with trypsin enhancement of infectivity. López S, et al. Virology 1986 Oct 15; 154(1):224-7

Primary structure of the cleavage site associated with trypsin enhancement of rotavirus SA11 infectivity. López S, et al. Virology 1985 Jul 15;144(1):11-9

The nonstructural proteins of Sindbis virus as studied with an antibody specific for the C terminus of the nonstructural readthrough polyprotein. Lopez S, et al. Virology 1985 Mar;141(2):235-47

Messenger RNA encoding the phosphoprotein (P) gene of human parainfluenza virus 3 is bicistronic. Luk D, et al. Virology 1986 Sep;153(2):318-25

Multiple adjacent or overlapping loci affecting the level of gC and cell fusion mapped by intratypic recombinants of HSV-1. Machuca I, et al. Virology 1986 Apr 15; 150(1):117-25

Purification of characterization of gene 8 product of bacteriophage T3. Nakasu S, et al. Virology 1985 Jun; 143(2):422-34

Processing of virus-specific glycoproteins of varicella zoster virus. Namazue J, et al. Virology 1985 May;143(1):252-9

Characterization of large surface proteins of hepatitis B virus by antibodies to preS-S encoded amino acids. Pfaff E, et al. Virology 1986 Jan 15;148(1):15-22

Phage P22 lysis genes: nucleotide sequences and functional relationships with T4 and lambda genes. Rennell D, et al. Virology 1985 May;143(1):280-9

Functional expression of influenza A viral nucleoprotein in cells transformed with cloned DNA. Ryan KW, et al. Virology 1986 Oct 15;154(1):144-54

Vaccinia virus rifampicin-resistance locus specifies a late 63,000 Da gene product. Tartaglia J, et al. Virology 1986 Apr 15;150(1):45-54

Monoclonal antibodies to the matrix protein of vesicular stomatitis virus (New Jersey serotype) and their effects on viral transcription. Ye Z, et al. Virology 1985 Jun; 143(2):657-62

Analysis of multiple forms of human adenovirus type 5 E1A polypeptides using an anti-peptide antiserum specific for the amino terminus. Yee SP, et al. Virology 1985 Oct 30; 146(2):315-22

M protein instability and lack of H protein processing associated with nonproductive persistent infection of HeLa cells by measles virus. Young KK, et al. Virology 1985 Jun;143(2):536-45

Identification and protein analysis of polyomavirus assembly intermediates from infected primary mouse embryo cells. Yuen LK, et al. Virology 1985 Jul 15;144(1):127-38

The complete sequence of bluetongue virus serotype 10 segment 3 and its predicted VP3 polypeptide compared with those of BTV serotype 17. Ghiasi H, et al. Virus Res 1985 Sep;3(2):181-90

The influenza C virus NS gene: evidence for a spliced mRNA and a second NS gene product (NS2 protein). Nakada S, et al. Virus Res 1986 May;4(3):263-73

Expression of herpes simplex virus glycoprotein B gene in yeast. Nozaki C, et al. Virus Res 1985 Dec;4(1):107-13

Novel polypeptides encoded by influenza virus subgenomic (DI type) virion RNAs. Penn CR, et al. Virus Res 1985 Nov;3(4):311-21

Identification and genomic localization of a pseudorabies glycoprotein via expression in Escherichia coli. Saman E, et al. Virus Res 1986 May;4(3):289-96

Expression of the herpes simplex virus type-2 major DNA-binding protein (ICP8) gene in COS-1 cells. Sheppard M, et al. Virus Res 1985 Oct;3(3):287-92

Polypeptides encoded by varicella-zoster virus unique short sequences. Vafai A, et al. Virus Res 1986 Jul;5(1):67-76

[Structure and function of E1A gene of adenovirus] Takahashi I, et al. Seikagaku 1985 Jul;57(7):551-9 (40 ref.) (Jpn)

[Primary structure of the DNA copy of the protein VP1 gene of the foot-and-mouth disease virus A22] Onishchenko AM, et al. Bioorg Khim 1986 Mar;12(3):416-9 (Eng. Abstr.) (Rus)

[Sequence of 3372 RNA nucleotide links in the hepatitis A virus coding for capsid VP4-VP1 and nonstructural proteins] Ovchinnikov IuA, et al. Dokl Akad Nauk SSSR 1985;285(4):1014-8 (Rus)

[Theoretical analysis of the coevolution of proteins in the phage-bacterium system. A model of the temperate phage-bacterium system] Rodin SN, et al. Zh Obshch Biol 1985 Sep-Oct;46(5):596-605 (Eng. Abstr.)

(Rus)

IMMUNOLOGY

Indication and study of antigenic properties of influenza virus internal proteins by means of monoclonal antibodies. Trushinskaya GN, et al. **Acta Virol (Praha)** 1985 Sep; 29(5):428–31

Immunoprecipitation of Epstein–Barr virus (EBV)–specific proteins by prelymphomatous and normal baboon sera containing antibodies reactive with EBV early antigen. Voevodin AF, et al. **Acta Virol (Praha)** 1985 May; 29(3):242–6

The structural proteins of the autonomous parvovirus feline panleukopenia virus. Carlson J, et al. **Adv Exp Med Biol** 1985;185:47–61

Rotavirus antigens. Estes MK, et al. **Adv Exp Med Biol** 1985; 185:201–14

Immune induction by a protein antigen and by a peptide segment of the protein. Wan AM, et al. **Adv Exp Med Biol** 1985;185:175–91 (48 ref.)

Epitope mapping of flavivirus glycoproteins. Heinz FX. **Adv Virus Res** 1986;31:103–68 (189 ref.)

Antigens of human T-lymphotropic virus type III/lymphadenopathy-associated virus. Essex M, et al. **Ann Intern Med** 1985 Nov;103(5):700–3 (32 ref.)

The functions of oligosaccharide chains associated with influenza C viral glycoproteins. II. The role of carbohydrates in the antigenic properties of influenza C viral glycoproteins. Hongo S, et al. **Arch Virol** 1986; 89(1–4):189–201

Antigenic and biological characterization of avian paramyxovirus type 1 isolates from pigeons. Meulemans G, et al. **Arch Virol** 1986;87(3–4):151–61

The glycoproteins of seven vesiculoviruses are antigenically distinct. Brief report. Wilks CR, et al. **Arch Virol** 1985; 86(3–4):335–40

Characterization of monoclonal antibodies to avian leukosis viruses. Lee LF, et al. **Avian Dis** 1986 Jan–Mar;30(1):132–8

Distinct IgG recognition patterns during progression of subclinical and clinical infection with lymphadenopathy associated virus/human T lymphotropic virus. Lange JM, et al. **Br Med J [Clin Res]** 1986 Jan 25;292(6515):228–30

The epitopes of influenza nucleoprotein recognized by cytotoxic T lymphocytes can be defined with short synthetic peptides. Townsend AR, et al. **Cell** 1986 Mar 28;44(6):959–68

Influence of local structure on the location of antigenic determinants in tobacco mosaic virus protein. Van Regenmortel MH, et al. **Ciba Found Symp** 1986;119:76–92 (35 ref.)

Immuno-isolation of vesicles using antigenic sites either located on the cytoplasmic or the exoplasmic domain of an implanted viral protein. A quantitative analysis. Gruenberg J, et al. **Eur J Cell Biol** 1985 Sep;38(2):312–21

Viral recognition by influenza A virus cross-reactive cytotoxic T (Tc) cells: the proportion of Tc cells that recognize nucleoprotein varies between individual mice. Pala P, et al. **Eur J Immunol** 1986 Feb;16(2):193–8

Predicted sequence of the host-protective immunogen of infectious bursal disease virus. Hudson PJ, et al. **FEBS Lett** 1986 May 26;201(1):143–6

Low responder MHC alleles for Tc recognition of influenza nucleoprotein. Pala P, et al. **Immunogenetics** 1986; 23(6):379–84

Production and characterization of an anti-idiotypic antibody specific for a monoclonal antibody to glycoprotein D of herpes simplex virus. Lathey JL, et al. **Immunology** 1986 Jan;57(1):29–35

Identification of epitopes on respiratory syncytial virus proteins by competitive binding immunoassay. Anderson LJ, et al. **J Clin Microbiol** 1986 Mar;23(3):475–80

Human antibody response to herpes simplex virus-specific polypeptides after primary and recurrent infection. Kahlon J, et al. **J Clin Microbiol** 1986 Apr;23(4):725–30

Detection of herpes simplex virus type 2-specific antibody with glycoprotein G. Lee FK, et al. **J Clin Microbiol** 1985 Oct;22(4):641–4

Serum and nasal-wash immunoglobulin G and A antibody response of infants and children to respiratory syncytial virus F and G glycoproteins following primary infection. Murphy BR, et al. **J Clin Microbiol** 1986 Jun;23(6):1009–14

Dissociation between serum neutralizing and glycoprotein antibody responses of infants and children who received inactivated respiratory syncytial virus vaccine. Murphy BR, et al. **J Clin Microbiol** 1986 Aug;24(2):197–202

Polypeptide specificity of the antibody response after primary and recurrent infection with bovine herpesvirus 1. van Drunen Littel-van den Hurk S, et al. **J Clin Microbiol** 1986 Feb;23(2):274–82

Serum immunoglobulin G antibody subclass responses to respiratory syncytial virus F and G glycoproteins after primary infection. Wagner DK, et al. **J Clin Microbiol** 1986 Aug;24(2):304–6

Helper T cells induced by an immunopurified herpes simplex virus type I (HSV–I) 115 kilodalton glycoprotein (gB) protect mice against HSV–I infection. Chan WL, et al. **J Exp Med** 1985 Oct 1;162(4):1304–18

Nonoverlapping T and B cell determinants on an hepatitis B surface antigen pre–S(2) region synthetic peptide. Milich DR, et al. **J Exp Med** 1986 Aug 1;164(2):532–47

Recognition of cloned vesicular stomatitis virus internal and external gene products by cytotoxic T lymphocytes. Yewdell JW, et al. **J Exp Med** 1986 Jun 1;163(6):1529–38

The murine antibody response to lactate dehydrogenase–elevating virus. Coutelier JP, et al. **J Gen Virol** 1986 Jun;67 (Pt 6):1099–108

Antigenic structure of transmissible gastroenteritis virus. II. Domains in the peplomer glycoprotein. Delmas B, et al. **J Gen Virol** 1986 Jul;67 (Pt 7):1405–18

Antibody to the 32K structural protein of infectious bursal disease virus neutralizes viral infectivity in vitro and confers protection on young chickens. Fahey KJ, et al. **J Gen Virol** 1985 Dec;66 (Pt 12):2693–702

Immunological priming with synthetic peptides of foot-and-mouth disease virus. Francis MJ, et al. **J Gen Virol** 1985 Nov;66 (Pt 11):2347–54

Neutralizing (54K) and non-neutralizing (54K and 48K) monoclonal antibodies against structural and non-structural yellow fever virus proteins confer immunity in mice. Gould EA, et al. **J Gen Virol** 1986 Mar;67 (Pt 3):591–5

Antigenic sites on the ERA rabies virus nucleoprotein and non-structural protein. Lafon M, et al. **J Gen Virol** 1985 Oct;66 (Pt 10):2125–33

Inhibition of herpes simplex virus type 1-induced interferon synthesis by monoclonal antibodies against viral glycoprotein D and by lysosomotropic drugs. Lebon P. **J Gen Virol** 1985 Dec;66 (Pt 12):2781–6

An epitope located at the C terminus of isolated VP1 of foot-and-mouth disease virus type O induces neutralizing activity but poor protection. Meloen RH, et al. **J Gen Virol** 1986 Feb;67 (Pt 2):289–94

An analysis of the biological properties of monoclonal antibodies against glycoprotein D of herpes simplex virus and identification of amino acid substitutions that confer resistance to neutralization. Minson AC, et al. **J Gen Virol** 1986 Jun;67 (Pt 6):1001–13

A 28000 molecular weight human cytomegalovirus structural polypeptide studied by means of a specific monoclonal antibody. Re MC, et al. **J Gen Virol** 1985 Nov;66 (Pt 11):2507–11

Characterization of four parainfluenza virus type 3 proteins by use of monoclonal antibodies. Rydbeck R, et al. **J Gen Virol** 1986 Aug;67 (Pt 8):1531–42

The antigenic relationship between measles, canine distemper and rinderpest viruses studied with monoclonal antibodies. Sheshberadaran H, et al. **J Gen Virol** 1986 Jul;67 (Pt 7):1381–92

Immunoreactivity of a synthetic pentadecapeptide corresponding to the N-terminal region of the scrapie prion protein. Shinagawa M, et al. **J Gen Virol** 1986 Aug;67 (Pt 8):1745–50

Identification of a 17000 molecular weight antigenic polypeptide in transmissible gastroenteritis virus–infected cells. Wesley RD, et al. **J Gen Virol** 1986 Jul;67 (Pt 7):1419–25

Cross–reactions of immunoglobulin M and G antibodies with enterovirus–specific viral structural proteins. Reigel F, et al. **J Hyg (Lond)** 1985 Oct;95(2):469–81

Immunity to varicella–zoster viral glycoproteins, gp I (gp 90/58) and gp III (gp 118), and to a nonglycosylated protein, p 170. Arvin AM, et al. **J Immunol** 1986 Aug 15; 137(4):1346–51

Immune response to the pre–S(1) region of the hepatitis B surface antigen (HBsAg): a pre–S(1)–specific T cell response can bypass nonresponsiveness to the pre–S(2) and S regions of HBsAg. Milich DR, et al. **J Immunol** 1986 Jul 1;137(1):315–22

Monoclonal antibodies to the cellular and scrapie prion proteins. Barry RA, et al. **J Infect Dis** 1986 Sep; 154(3):518–21

Polypeptide–specific antibody response to human cytomegalovirus after infection in bone marrow transplant recipients. Zaia JA, et al. **J Infect Dis** 1986 Apr; 153(4):780–7

Humoral immune response to HSV–1 and HSV–2 viral proteins in patients with primary genital herpes. Ashley R, et al. **J Med Virol** 1985 Oct;17(2):153–66

Antibody response to the rubella virus structural proteins in infants with the congenital rubella syndrome. de Mazancourt A, et al. **J Med Virol** 1986 Jun;19(2):111–22

Acute and latent herpes simplex virus neurological disease in mice immunized with purified virus–specific glycoproteins gB or gD. Dix RD, et al. **J Med Virol** 1985 Sep;17(1):9–18

Human immune response to cytomegalovirus structural polypeptides studied by immunoblotting. Landini MP, et al. **J Med Virol** 1985 Dec;17(4):303–11

Immunological reactivity of human sera with individual herpes simplex proteins: a comparative study of sera from patients with preinvasive or invasive cervical cancer and from controls. Teglbjaerg CS, et al. **J Med Virol** 1986 Feb; 18(2):169–80

Evaluation of the structural proteins of the hamster neurotropic strain of measles virus with monoclonal antibodies. Bellini W, et al. **J Neuroimmunol** 1986 Apr; 11(2):149–63

Humoral immune response to herpes simplex virus type 2 glycoproteins in patients receiving a glycoprotein subunit vaccine. Ashley R, et al. **J Virol** 1985 Nov;56(2):475–81

Specificity of human natural killer cells in limiting dilution culture for determinants of herpes simplex virus type 1 glycoproteins. Bishop GA, et al. **J Virol** 1986 Jan; 57(1):294–300

Modulation of humoral response to a 12–amino–acid site on the poliovirus virion. Icenogle JP, et al. **J Virol** 1986 Oct; 60(1):297–301

Molecular characterization of Marek's disease herpesvirus B antigen. Isfort RJ, et al. **J Virol** 1986 Aug;59(2):411–9

Critical epitopes in transmissible gastroenteritis virus neutralization. Jiménez G, et al. **J Virol** 1986 Oct; 60(1):131–9

Use of bacterial expression cloning to define the amino acid sequences of antigenic determinants on the G2 glycoprotein of Rift Valley fever virus. Keegan K, et al. **J Virol** 1986 May;58(2):263–70

Pre–S1 antigens and antibodies early in the course of acute hepatitis B virus infection. Klinkert MQ, et al. **J Virol** 1986 May;58(2):522–5

Orientation and patching of the latent infection membrane protein encoded by Epstein–Barr virus. Liebowitz D, et al. **J Virol** 1986 Apr;58(1):233–7

Sequential detection of different antigens induced by Epstein–Barr virus and herpes simplex virus in the same Western blot by using dual antibody probes. Lin JC, et al. **J Virol** 1986 Aug;59(2):522–4

Drastic immunoreactivity changes between the immature and mature forms of the Sendai virus HN and F0 glycoproteins. Mottet G, et al. **J Virol** 1986 Jul;59(1):132–41

Antigen mimicry involving measles virus hemagglutinin and human respiratory syncytial virus nucleoprotein. Norrby E, et al. **J Virol** 1986 Jan;57(1):394–6

Passive protection against rotavirus–induced diarrhea by monoclonal antibodies to surface proteins vp3 and vp7. Offit PA, et al. **J Virol** 1986 May;58(2):700–3

Antibodies to pre–S and X determinants arise during natural infection with ground squirrel hepatitis virus. Persing DH, et al. **J Virol** 1986 Oct;60(1):177–84

Immunogenicity of a bovine rotavirus glycoprotein fragment. Sabara M, et al. **J Virol** 1985 Dec;56(3):1037–40

Recombinant polypeptide from the endonuclease region of the acquired immune deficiency syndrome retrovirus polymerase (pol) gene detects serum antibodies in most infected individuals. Steimer KS, et al. **J Virol** 1986 Apr; 58(1):9–16

Comparative analyses of the specificities of anti–influenza hemagglutinin antibodies in human sera. Wang ML, et al. **J Virol** 1986 Jan;57(1):124–8

Interaction between HeLa cells and adenovirus type 2 virions neutralized by different antisera. Wohlfart CE, et al. **J Virol** 1985 Dec;56(3):896–903

Anti–VPg antibody precipitation of product RNA synthesized in vitro by the poliovirus polymerase and host factor is mediated by VPg on the poliovirion RNA template. Young DC, et al. **J Virol** 1986 Jun;58(3):715–23

Herpes simplex virus (HSV)–specific human T–cell clones recognize HSV glycoprotein D expressed by a recombinant vaccinia virus. Zarling JM, et al. **J Virol** 1986 Aug; 59(2):506–9

Detection of antibodies to individual proteins of rubella virus. Loo TW, et al. **J Virol Methods** 1986 May;13(2):149–59

Radioimmunoassay and enzyme–linked immunoassay of antibodies directed against lymphadenopathy–associated virus (LAV) proteins larger than the core protein (P24). Neurath AR, et al. **J Virol Methods** 1985 Oct;12(1–2):85–92

Immunological cross–reactivity of adenovirus structural proteins. Weber J, et al. **J Virol Methods** 1986 Jul; 13(4):363–7

Isolation of antibodies specific for avian viral and cellular myc proteins. Morgan JH, et al. **JNCI** 1985 Nov; 75(5):937–47

Production of monoclonal antibodies against HTLV–I proteins recognizing surface epitopes of live infected cells. Cogniaux J, et al. **Leuk Res** 1985;9(9):1117–26

Molecular and topographic analysis of the glycoproteins of lymphocytic choriomeningitis virus. Buchmeier MJ, et al. **Med Microbiol Immunol (Berl)** 1986;175(2–3):71–2

Detection of antibody to M protein of measles virus in patients with subacute sclerosing panencephalitis: a comparative study on immunoprecipitation. Ohara Y, et al. **Microbiol Immunol** 1985;29(8):709–23

Relationship between antibody titres against human cytomegalovirus detected by enzyme immunoassay and titres to individual viral polypeptides studied by immunoblotting. Mirolo G, et al. **Microbiologica** 1986 Jul; 9(3):373–9

Resistance to human respiratory syncytial virus (RSV) infection induced by immunization of cotton rats with a recombinant vaccinia virus expressing the RSV G glycoprotein. Elango N, et al. **Proc Natl Acad Sci USA** 1986 Mar;83(6):1906–10

The role of serologically defined epitopes on mumps virus HN–glycoprotein in the induction of virus–dependent cell–mediated cytotoxicity. Analysis with monoclonal antibodies. Alsheikhly AR, et al. **Scand J Immunol** 1985 Nov;22(5):529–38

Monoclonal antibodies specific for Sendai virus. I. Production and characterization of monoclonal antibodies. Fenner M, et al. **Scand J Immunol** 1986 Sep;24(3):335–40

Evolution of human influenza A viruses over 50 years: rapid, uniform rate of change in NS gene. Buonagurio DA, et al. **Science** 1986 May 23;232(4753):980–2

Effects of glycosylation on the conformation and antigenicity of influenza C viral glycoproteins. Hongo S, et al. **Vaccine** 1985 Sep;3(3 Suppl):223–6

Characterization of glycoproteins of viruses causing hemorrhagic fever with renal syndrome (HFRS) using

monoclonal antibodies. Dantas JR Jr, et al. **Virology** 1986 Jun;151(2):379–84

Antibodies to distal carboxyl terminal epitopes in the v-fms-coded glycoprotein do not cross-react with the c-fms gene product. Furman WL, et al. **Virology** 1986 Jul 30;152(2):432–45

Characterization of site-specific antibodies to the erbB gene product and EGF receptor: inhibition of tyrosine kinase activity. Gentry LE, et al. **Virology** 1986 Jul 30; 152(2):421–31

Induction of neutralizing antibody ag-inst varicella-zoster virus (VZV) by VZV gp3 and cross reactivity between VZV gp3 and herpes simplex viruses gB. Kitamura K, et al. **Virology** 1986 Feb;149(1):74–82

Epitope mapping of the outer structural protein VP1 of three different serotypes of foot-and-mouth disease virus. Meloen RH, et al. **Virology** 1986 Feb;149(1):55–63

Neutralization epitope of varicella zoster virus on native viral glycoprotein gp118 (VZV glycoprotein gpIII). Montalvo EA, et al. **Virology** 1986 Mar;149(2):230–41

Characterization of Sindbis virus epitopes important for penetration in cell culture and pathogenesis in animals. Olmsted RA, et al. **Virology** 1986 Jan 30;148(2):245–54

Proteins of lymphocytic choriomeningitis virus: antigenic topography of the viral glycoproteins. Parekh BS, et al. **Virology** 1986 Sep;153(2):168–78

Monoclonal antibodies reveal extensive antigenic differences between the hemagglutinin-neuraminidase glycoproteins of human and bovine parainfluenza 3 viruses. Ray R, et al. **Virology** 1986 Jan 15;148(1):232–6

The neutralization site on the E2 glycoprotein of Venezuelan equine encephalomyelitis (TC-83) virus is composed of multiple conformationally stable epitopes. Roehrig JT, et al. **Virology** 1985 Apr 30;142(2):347–56

Antigenic and immunogenic characteristics of bovine herpesvirus type-1 glycoproteins GVP 3/9 and GVP 6/11a/16, purified by immunoadsorbent chromatography. van Drunen Littel-van den Hurk S, et al. **Virology** 1985 Jul 15;144(1):204–15

Antigenic variation in the hemagglutinin-neuraminidase protein of human parainfluenza type 3 virus. van Wyke Coelingh KL, et al. **Virology** 1985 Jun;143(2):569–82

[Demonstration of ligands for antibodies against the M protein on the virion surface of the Newcastle disease virus (NDV)] Dumanova L, et al. **Vet Med Nauki** 1986;23(2):3–8 (Eng. Abstr.) **(Bul)**

[Structural polypeptides and antigenicity of poliovirus] Taniguchi K, et al. **Uirusu** 1985 Jun;35(1):17–34 (115 ref.) **(Jpn)**

[Expression of structural proteins of Retroviruses type C on the membrane of normal and leukemic cells in mice] Lezhneva OM, et al. **Vestn Akad Med Nauk SSSR** 1985; (7):44–51 (Eng. Abstr.) **(Rus)**

[Enhanced immunogenicity of influenza virus surface proteins when incorporated into liposomes] Kharitonenkov IG, et al. **Vopr Virusol** 1986 Mar-Apr;31(2):162–7 (Eng. Abstr.) **(Rus)**

[Immunological identification of the precursor protein of alphaviruses] Zlobin AIu, et al. **Vopr Virusol** 1985 Sep-Oct; 30(5):575–7 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Structural polypeptides of the murine coronavirus DVIM. Sugiyama K, et al. **Arch Virol** 1986;89(1–4):245–54

P1 plasmid replication. Purification and DNA-binding activity of the replication protein RepA. Abeles AL. **J Biol Chem** 1986 Mar 15;261(8):3548–55

Purification and characterization of the T4 bacteriophage uvsX protein. Formosa T, et al. **J Biol Chem** 1986 May 5;261(13):6107–18

Cloning of the bacteriophage T4 uvsX gene and purification and characterization of the T4 uvsX recombination protein. Hinton DM, et al. **J Biol Chem** 1986 Apr 25; 261(12):5663–73

Bacteriophage T4 regA protein. Purification of a translational repressor. Miller ES, et al. **J Biol Chem** 1985 Oct 25; 260(24):13053–9

Purification and characterization of a protein synthesis inhibitor associated with vaccinia virus. Person-Fernandez A, et al. **J Biol Chem** 1986 Jun 25;261(18):8283–9

Isolation and characterization of a 14500 molecular weight protein from brains and tissue cultures persistently infected with borna disease virus. Schädler R, et al. **J Gen Virol** 1985 Nov;66 (Pt 11):2479–84

Characterization of the tumor-associated 38-kd protein of herpes simplex virus type 2. Trimble JJ, et al. **J Reprod Med** 1986 May;31(5 Suppl):399–409

Varicella-zoster virus p32/p36 complex is present in both the viral capsid and the nuclear matrix of the infected cell. Friedrichs WE, et al. **J Virol** 1986 Jan;57(1):155–64

Use of lambda gt11 to isolate genes for two pseudorabies virus glycoproteins with homology to herpes simplex virus and varicella-zoster virus glycoproteins. Petrovskis EA, et al. **J Virol** 1986 Oct;60(1):185–93

Detection of a genome-linked protein (VPg) of hepatitis A virus and its comparison with other picornaviral VPgs. Weitz M, et al. **J Virol** 1986 Oct;60(1):124–30

Electroelution for purification of influenza A matrix protein for use in immunoassay. Donofrio JC, et al. **J Virol Methods** 1986 May;13(2):107–20

One-step separation of the components of Semliki Forest virus by cation exchange chromatography. Omar A, et al. **J Virol Methods** 1985 Oct;12(1–2):71–83

Isolation of measles virus polypeptides from infected brain tissue by affinity chromatography. Swoveland PT. **J Virol Methods** 1986 Jul;13(4):333–41

Varicella-zoster virus (VZV)-specific polypeptides detected in cells treated with metabolic inhibitors. Lopetegui P, et al. **Microbiol Immunol** 1985;29(6):569–75

Comparison of the polypeptides of bovine rotavirus serotypes. Ojeh CK. **Rev Elev Med Vet Pays Trop** 1984; 37(4):406–10

Amino-terminal amino acid sequences of structural proteins of three flaviviruses. Bell JR, et al. **Virology** 1985 May; 143(1):224–9

Purification of a polypeptide complex (p52) belonging to the D-subspecificites of Epstein-Barr virus-induced early antigens. Dölken G, et al. **Virology** 1986 Jan 15;148(1):58–73

Biochemical and immunological characterization of Suncus murinus mammary tumor virus DNA polymerase. Yokoi T, et al. **Virology** 1986 Jan 30;148(2):268–74

Polypeptides and structure of African swine fever virus. Schloer GM. **Virus Res** 1985 Nov;3(4):295–310

Human parainfluenza virus 3: purification and characterization of subviral components, viral proteins and viral RNA. Wechsler SL, et al. **Virus Res** 1985 Nov; 3(4):339–51

[Rapid and efficient purification of trace proteins from cells with a staphylococcal protein A-antibody adsorbent] Adachi Y, et al. **Seikagaku** 1986 May;58(5):344–7 **(Jpn)**

METABOLISM

Synthesis of glycoproteins of syncytial and non-syncytial strains of herpes simplex virus type 1 and their transport to the plasma membrane. Raučina J, et al. **Acta Virol (Praha)** 1985 May;29(3):177–84

Amyloid plaques in Creutzfeldt-Jakob disease stain with prion protein antibodies. Kitamoto T, et al. **Ann Neurol** 1986 Aug;20(2):204–8

Effect of dipolar ions on the entropy-driven polymerization of tobacco mosaic virus protein. Lauffer MA, et al. **Arch Biochem Biophys** 1985 Nov 1;242(2):478–87

Demonstration of non-degraded Aleutian disease virus (ADV) proteins in lung tissue from experimentally infected mink kits. Brief report. Alexandersen S, et al. **Arch Virol** 1986;87(1–2):127–33

Intracellular localization of rotaviral proteins. Richardson SC, et al. **Arch Virol** 1986;88(3–4):251–64

Protein-RNA interactions in belladonna mottle virus investigated by laser Raman spectroscopy. Prescott B, et al. **Biochemistry** 1985 Feb 26;24(5):1226–31

Effect of the vesicular stomatitis virus matrix protein on the lateral organization of lipid bilayers containing phosphatidylglycerol: use of fluorescent phospholipid analogues. Wiener JR, et al. **Biochemistry** 1985 Dec 17; 24(26):7651–8

Synthetic peptide approach to the analysis of kinase activities of avian EGF receptor and v-erbB protein. Kris RM, et al. **Biochimie** 1985 Oct-Nov;67(10–11):1095–101

Scanning fluorescence correlation spectroscopy. II. Application to virus glycoprotein aggregation. Petersen NO, et al. **Biophys J** 1986 Apr;49(4):817–20

A specific model for the conformation of single-stranded polynucleotides in complex with the helix-destabilizing protein GP32 of bacteriophage T4. Scheerhagen MA, et al. **Biopolymers** 1986 Aug;25(8):1419–48

Impaired intracellular transport of class I MHC antigens as a possible means for adenoviruses to evade immune surveillance. Andersson M, et al. **Cell** 1985 Nov; 43(1):215–22

Rabies encephalitis: immunohistochemical investigations. Feiden W, et al. **Clin Neuropathol** 1985 Jul-Aug;4(4):156–64

Microinjected antibodies against the cytoplasmic domain of vesicular stomatitis virus glycoprotein block its transport to the cell surface. Kreis TE. **EMBO J** 1986 May; 5(5):931–41

Different DNA-binding modes and cooperativities for bacteriophage M13 gene-5 protein revealed by means of fluorescence depolarisation studies. Bulsink H, et al. **Eur J Biochem** 1986 Jun 2;157(2):329–34

Vinculin and 36 kDa protein are not tyrosine-phosphorylated in Rous sarcoma virus infected cells which have been treated with interferon. Strube W, et al. **Eur J Cell Biol** 1985 Sep;38(2):226–33

Sendai virus envelope glycoproteins become laterally mobile on the surface of human erythrocytes following fusion. Henis YI, et al. **Exp Cell Res** 1985 Oct;160(2):514–26

Porphyrin binding by the surface array virulence protein of Aeromonas salmonicida. Kay WW, et al. **J Bacteriol** 1985 Dec;164(3):1332–6

Bacteriophage P1 Cre-loxP site-specific recombination. Site-specific DNA topoisomerase activity of the Cre recombination protein. Abremski K, et al. **J Biol Chem** 1986 Jan 5;261(1):391–6

The stereochemical course of phosphoryl transfer catalyzed by herpes simplex virus type 1-induced thymidine kinase. Arnold JR, et al. **J Biol Chem** 1986 Feb 15;261(5):1985–7

Intranuclear degradation of the transformation-inducing protein encoded by avian MC29 virus. Bader JP, et al. **J Biol Chem** 1986 Jun 25;261(18):8303–8

A novel prefusion complex formed during protein transport between Golgi cisternae in a cell-free system. Wattenberg BW, et al. **J Biol Chem** 1986 Feb 15;261(5):2202–7

Multiple cytosolic components promote intra-Golgi protein transport. Resolution of a protein acting at a late stage, prior to membrane fusion. Wattenberg BW, et al. **J Biol Chem** 1986 Feb 15;261(5):2208–13

Characterization of the DNA binding domain of bacteriophage lambda O protein. Wickner SH, et al. **J Biol Chem** 1986 Jun 5;261(16):7537–43

Newly synthesized G protein of vesicular stomatitis virus is not transported to the Golgi complex in mitotic cells. Featherstone C, et al. **J Cell Biol** 1985 Dec;101(6):2036–46

Cell anchorage determines whether mammary tumor virus glycoproteins are processed for plasma membranes or secretion. Kabat D, et al. **J Cell Biol** 1985 Dec; 101(6):2274–83

Processing of the rough endoplasmic reticulum membrane glycoproteins of rotavirus SA11. Kabcenell AK, et al. **J Cell Biol** 1985 Oct;101(4):1270–80

Cytoplasmic domains of cellular and viral integral membrane proteins substitute for the cytoplasmic domain of the vesicular stomatitis virus glycoprotein in transport to the plasma membrane. Puddington L, et al. **J Cell Biol** 1986 Jun;102(6):2147–57

Immunocytochemical study of the partition and distribution of Sindbis virus glycoproteins in freeze-fractured membranes of infected baby hamster kidney cells. Torrisi MR, et al. **J Cell Biol** 1985 Oct;101(4):1300–6

Evidence that the major delayed-early DNA-binding proteins of herpesvirus saimiri are bound to DNA in vivo. Blair ED, et al. **J Gen Virol** 1986 Apr;67 (Pt 4):759–64

Location of influenza virus M, NP and NS1 proteins in microinjected cells. Davey J, et al. **J Gen Virol** 1985 Nov; 66 (Pt 11):2319–34

Phosphorylation of the N and M1 proteins of rabies virus. Tuffereau C, et al. **J Gen Virol** 1985 Oct;66 (Pt 10):2285–9

Interaction between gene II protein and the DNA replication origin of bacteriophage f1. Horiuchi K. **J Mol Biol** 1986 Mar 20;188(2):215–23

Determination of the cleavage site of the phage T4 prohead protease in gene product 68. Influence of protein secondary structure on cleavage specificity. Keller B, et al. **J Mol Biol** 1985 Dec 5;186(3):665–7

Interaction of mRNA with proteins in vesicular stomatitis virus-infected cells. Adam SA, et al. **J Virol** 1986 Feb; 57(2):614–22

Identification and characterization of a major early cytomegalovirus DNA-binding protein. Anders DG, et al. **J Virol** 1986 May;58(2):253–62

RNA-binding proteins of bovine rotavirus. Boyle JF, et al. **J Virol** 1986 May;58(2):561–8

Stabilities and interrelations of multiple species of human adenovirus type 5 early region 1 proteins in infected and transformed cells. Branton PE, et al. **J Virol** 1985 Nov; 56(2):633–8

Vesicular stomatitis virus N and NS proteins form multiple complexes. Davis NL, et al. **J Virol** 1986 Sep;59(3):751–4

Proteolytic cleavage of the E2 glycoprotein of murine coronavirus: host-dependent differences in proteolytic cleavage and cell fusion. Frana MF, et al. **J Virol** 1985 Dec;56(3):912–20

Uukuniemi virus glycoproteins accumulate in and cause morphological changes of the Golgi complex in the absence of virus maturation. Gahmberg N, et al. **J Virol** 1986 Mar; 57(3):899–906

Formation of a covalent complex between the terminal protein of pneumococcal bacteriophage Cp-1 and 5'-dAMP. García P, et al. **J Virol** 1986 Apr;58(1):31–5

Cross-linking of a polyomavirus attachment protein to its mouse kidney cell receptor. Griffith GR, et al. **J Virol** 1986 Jun;58(3):773–81

Specificity of Fc receptors induced by herpes simplex virus type 1: comparison of immunoglobulin G from different animal species. Johansson PJ, et al. **J Virol** 1985 Nov; 56(2):489–94

Synthesis in Escherichia coli of the reovirus nonstructural protein sigma NS. Richardson MA, et al. **J Virol** 1985 Nov; 56(2):527–33

In vivo and in vitro models of demyelinating disease: JHM virus in the rat central nervous system localized by in situ cDNA hybridization and immunofluorescent microscopy. Sorensen O, et al. **J Virol** 1985 Nov;56(2):434–8

DNA-binding properties of the major structural protein of simian virus 40. Soussi T. **J Virol** 1986 Sep;59(3):740–2

Expression of herpes simplex virus glycoproteins in polarized epithelial cells. Srinivas RV, et al. **J Virol** 1986 May; 58(2):689–93

Poliovirus metabolism and the cytoskeletal framework: detergent extraction and resinless section electron microscopy. Weed HG, et al. **J Virol** 1985 Nov; 56(2):549–57

Characterization of the influenza virus M2 integral membrane protein and expression at the infected-cell surface from cloned cDNA. Zebedee SL, et al. **J Virol** 1985 Nov; 56(2):502–11

Activation of immediate-early, early, and late promoters by temperature-sensitive and wild-type forms of herpes simplex virus type 1 protein ICP4. DeLuca NA, et al. **Mol Cell Biol** 1985 Aug;5(8):1997–208

Analysis of DNA sequences which regulate the transcription of herpes simplex virus immediate early gene 3: DNA sequences required for enhancer-like activity and response to trans-activation by a virion polypeptide. Bzik DJ, et al. **Nucleic Acids Res** 1986 Jan 24;14(2):929–43

Association of the herpes simplex virus regulatory protein

ICP4 with specific nucleotide sequences in DNA. Faber SW, et al. **Nucleic Acids Res** 1986 Aug 11;14(15):6067–83
Location of the serine residue involved in the linkage between the terminal protein and the DNA of phage phi 29. Hermoso JM, et al. **Nucleic Acids Res** 1985 Nov 11; 13(21):7715–28
Effect of SSB protein on cleavage of single-stranded DNA by phi X gene A protein and A* protein. van Mansfeld AD, et al. **Nucleic Acids Res** 1986 Feb 25;14(4):1845–61
A 54-kDa normal cellular protein may be the precursor of the scrapie agent protease-resistant protein. Bendheim PE, et al. **Proc Natl Acad Sci USA** 1986 Apr;83(7):2214–8
The fusion-related hydrophobic domain of Sendai F protein can be moved through the cytoplasmic membrane of Escherichia coli. Davis NG, et al.
Proc Natl Acad Sci USA 1986 Jul;83(14):5091–5
Complexes of polyoma virus medium T antigen and cellular proteins. Grussenmeyer T, et al.
Proc Natl Acad Sci USA 1985 Dec;82(23):7952–4
A defined system for in vitro packaging of DNA-gp3 of the Bacillus subtilis bacteriophage phi 29. Guo P, et al. **Proc Natl Acad Sci USA** 1986 May;83(10):3505–9
Identification and some biochemical properties of the major XBL gene product of bovine leukemia virus. Sagata N, et al. **Proc Natl Acad Sci USA** 1985 Dec;82(23):7879–83
Proteins tightly associated with the termini of replicative form DNA of Kilham rat virus, an autonomous parvovirus. Wobbe CR, et al. **Proc Natl Acad Sci USA** 1985 Dec; 82(24):8335–9
Evidence that the v-sis gene product transforms by interaction with the receptor for platelet-derived growth factor. Leal F, et al. **Science** 1985 Oct 18;230(4723):327–30
Binding of HTLV-III/LAV to T4+ T cells by a complex of the 110K viral protein and the T4 molecule. McDougal JS, et al. **Science** 1986 Jan 24;231(4736):382–5
A defined in vitro system for packaging of bacteriophage T3 DNA. Hamada K, et al. **Virology** 1986 May; 151(1):119–23
A detailed kinetic analysis of the in vitro synthesis and processing of encephalomyocarditis virus products. Jackson RJ. **Virology** 1986 Feb;149(1):114–27
The synthesis and transport of SV40 structural proteins. Lin W, et al. **Virology** 1986 Oct 15;154(1):108–20
Biochemical studies of the maturation of the small Sindbis virus glycoprotein E3. Mayne JT, et al. **Virology** 1984 Apr 30;134(2):338–57
Fate of influenza A virion proteins after entry into subcellular fractions of LLC cells and the effect of amantadine. Richman DD, et al. **Virology** 1986 Jun;151(2):200–10
The effects of 2-deoxyglucose and tunicamycin on the biosynthesis of the murine mammary tumor virus proteins, and on the assembly and release of the virus. Sarkar NH. **Virology** 1986 Apr 30;150(2):419–38
Moloney murine sarcoma virus encoded p37mos expressed in yeast has protein kinase activity. Singh B, et al.
Virology 1986 Jul 30;152(2):502–6
Effect of tunicamycin and monensin on biosynthesis, transport, and maturation of bovine herpesvirus type-1 glycoproteins. van Drunen Littel-van den Hurk S, et al. **Virology** 1985 May;143(1):104–18
Changes in the nucleoprotein complexes of a baculovirus DNA during infection. Wilson ME, et al. **Virology** 1986 Jun;151(2):315–28
Interaction of M protein and RNP of fowl plague virus in vitro. Melnikov SYa, et al. **Virus Res** 1985 Nov;3(4):353–65
Inhibition of the assembly of Newcastle disease virus by monensin. Yoshida T, et al. **Virus Res** 1986 Feb;4(2):179–95
[Characteristics of an enzyme hydrolyzing the covalent bond between RNA and protein VPg of the encephalomyocarditis virus] Drygin IuF, et al.
Biokhimiia 1986 Feb;51(2):249–59 (Eng. Abstr.) **(Rus)**
[Crystals of a nonspecific complex of cro-repressor with DNA] Malinina LV, et al. **Dokl Akad Nauk SSSR** 1985 Sep–Oct;284(1):229–32 **(Rus)**
[Interaction of the M protein of the wild-type fowl pest virus and its ts-mutant with the ribonucleoprotein of the fowl pest virus in vitro] Leneva IA, et al. **Vopr Virusol** 1985 Nov–Dec;30(6):711–4 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Differential induction of Escherichia coli autolysis by penicillin and the bacteriophage phi X174 gene E product. Halfmann G, et al. **J Bacteriol** 1986 May;166(2):683–5
Characterization of a third, cII-dependent, coordinately activated promoter on phage lambda involved in lysogenic development. Ho YS, et al. **J Biol Chem** 1985 Sep 25; 260(21):11838–44
The reversal of feline retroviral-induced suppression of lymphocyte Con A receptor mobility by indomethacin and PGE2. Lewis MG, et al. **Leuk Res** 1985;9(9):1105–9
Functional relation between HTLV-II x and adenovirus E1A proteins in transcriptional activation. Chen IS, et al.
Science 1985 Nov 1;230(4725):570–3
Transforming properties of a 15-kDa truncated Ad12 E1A gene product. Jochemsen AG, et al. **Virology** 1986 Jul 30; 152(2):375–83

PHYSIOLOGY

Adenylate cyclase activity in rat corpora lutea evidence for a rapid development of the regulatory Ns-protein. Rosberg S, et al. **Acta Endocrinol (Copenh)** 1986 Aug;112(4):565–70
Genetic transformation in Streptococcus sanguis. Effects on genetic transformation by culture filtrates of Streptococcus sanguis (serogroups H and W) and streptococcus mitis (mitior) with reference to identification. Gaustad P.
Acta Pathol Microbiol Immunol Scand [B] 1985 Aug; 93(4):283–7
The mitogenic/oncogenic p21 Ki-RAS protein stimulates adenylate cyclase activity early in the G1 phase of NRK rat kidney cells. Franks DJ, et al.
Biochem Biophys Res Commun 1985 Oct 30;132(2):780–6
In vitro stimulation of specific RNA polymerase II-mediated transcription by the pseudorabies virus immediate early protein. Abmayr SM, et al. **Cell** 1985 Dec;43(3 Pt 2):821–9
Repression of bovine papilloma virus replication is mediated by a virally encoded trans-acting factor. Berg L, et al. **Cell** 1986 Aug 29;46(5):753–62
Chicken myeloid stem cells infected by retroviruses carrying the v-fps oncogene do not require exogenous growth factors to differentiate in vitro. Carmier JF, et al. **Cell** 1986 Jan 17;44(1):159–65
Inhibition of Banzi viral RNA synthesis in BHK-21 cells by Banzi virion matrix protein. Hommel-Berrey GA, et al. **Intervirology** 1986;25(1):38–47
Site-specific recombinases: changing partners and doing the twist. Sadowski P. **J Bacteriol** 1986 Feb;165(2):341–7 (74 ref.)
The homologous recombination system of phage lambda. Pairing activities of beta protein. Muniyappa K, et al.
J Biol Chem 1986 Jun 5;261(16):7472–8
The role of haemagglutinin-neuraminidase glycoprotein cell surface expression in the survival of Sendai virus-infected BHK-21 cells. Tuffereau C, et al. **J Gen Virol** 1985 Nov; 66 (Pt 11):2313–8
Proteins specified by the short unique region of the genome of pseudorabies virus play a role in the release of virions from certain cells. Ben-Porat T, et al. **J Virol** 1986 Jan; 57(1):191–6
Repression of adenovirus early gene expression by coinfection with a temperature-sensitive mutant in the immediate-early gene of pseudorabies virus. Feldman LT, et al. **J Virol** 1986 Jan;57(1):13–7
Mammalian cell transformation by a murine retrovirus vector containing the avian erythroblastosis virus erbB gene. Gazit A, et al. **J Virol** 1986 Oct;60(1):19–28
Functional characterization of thermolabile DNA-binding proteins that affect adenovirus DNA replication. Prelich G, et al. **J Virol** 1986 Mar;57(3):883–92
Amino-terminal mutation of the vesicular stomatitis virus glycoprotein does not affect its fusion activity. Woodgett C, et al. **J Virol** 1986 Aug;59(2):486–9
Topoisomerase II and other DNA-delay and DNA-arrest mutations impair bacteriophage T4 DNA packaging in vivo and in vitro. Zachary A, et al. **J Virol** 1986 Oct; 60(1):97–104
Bacteriophage T4 DNA topoisomerase mediates illegitimate recombination in vitro. Ikeda H.
Proc Natl Acad Sci USA 1986 Feb;83(4):922–6
Characterization of virus obtained from MDBK cells persistently infected with a variant of herpes simplex virus type 1 strain MP [HSV-1(MP)]. Bartoletti AM, et al.
Virology 1985 Mar;141(2):306–10
Role of the gene 17 protein of bacteriophage T4. Kawai Y, et al. **Virology** 1985 Dec;147(2):459–61
Hexon trimerization occurring in an assembly-defective, 100K temperature-sensitive mutant of adenovirus 2. Morin N, et al. **Virology** 1986 Jul 15;152(1):11–31

SECRETION

Secretory protein targeting in a pituitary cell line: differential transport of foreign secretory proteins to distinct secretory pathways. Moore HP, et al. **J Cell Biol** 1985 Nov;101(5 Pt 1):1773–81
Deletions into an NH2-terminal hydrophobic domain result in secretion of rotavirus VP7, a resident endoplasmic reticulum membrane glycoprotein. Poruchynsky MS, et al.
J Cell Biol 1985 Dec;101(6):2199–209

VIRAL TRANSFORMING PROTEINS see **ONCOGENE PROTEINS, VIRAL**

VIRAL TUMOR ANTIGENS see **ANTIGENS, VIRAL, TUMOR**

VIRAL VACCINES

Production of poultry viral vaccines in embryonated eggs. Ben-Nathan D. **Adv Biotechnol Processes** 1985;5:123–47 (142 ref.)
New approaches to vaccines. Bachrach HL.
Adv Vet Sci Comp Med 1985;30:1–38 (161 ref.)
Safety of a temperature-sensitive vaccine strain of bovine viral diarrhea virus in pregnant cows. Lobmann M, et al.
Am J Vet Res 1986 Mar;47(3):557–60
Investigation of possible vaccine-induced epizootics of infectious bovine rhinotracheitis, using restriction endonuclease analysis of viral DNA. Whetstone CA, et al. **Am J Vet Res** 1986 Aug;47(8):1789–95
Synthetic vaccines: present and future. Arnon R, et al.
Ann Inst Pasteur Immunol 1985 Nov–Dec;136D(3):271–82 (30 ref.)
Live recombinant vaccines using genetically engineered vaccinia virus. Paoletti E, et al. **Antiviral Res** 1985;Suppl 1:301–7
Rotavirus infections and their prevention by vaccination. Vesikari T. **Antiviral Res** 1985;Suppl 1:293–300
Rotavirus vaccines—achievements and prospects [editorial] Flewett TH. **Arch Dis Child** 1986 Mar;61(3):211–2
Development and application of genetically engineered viral vaccines of poultry. Carlson JH. **Avian Dis** 1986 Jan–Mar; 30(1):24–7
Protective efficacy of Marek's disease virus (MDV) CVI-988 CEF65 clone C against challenge infection with three very virulent MDV strains. de Boer GF, et al. **Avian Dis** 1986 Apr–Jun;30(2):276–83
Pathogenicity studies with plaque-purified preparations of Marek's disease virus strain CVI-988. Pol JM, et al.
Avian Dis 1986 Apr–Jun;30(2):271–5
The 1986 Walter Hubert lecture. Recent studies on a vaccine to prevent EB virus-associated cancers. Epstein MA.
Br J Cancer 1986 Jul;54(1):1–5 (40 ref.)
Immunization against bovine papillomavirus infection. Pilacinski WP, et al. **Ciba Found Symp** 1986;120:136–56
Prevention of herpes simplex virus diseases in man. Epstein JS, et al. **Clin Dermatol** 1984 Apr–Jun;2(2):133–46 (107 ref.)
Assessment of new vaccines in immunization programs. Koplan JP. **Isr J Med Sci** 1986 Mar–Apr;22(3–4):272–6
Bovine immunization guidelines. **J Am Vet Med Assoc** 1986 Aug 1;189(3):281–4
Vaccination of swine with an inactivated porcine parvovirus vaccine in the presence of passive immunity. Paul PS, et al. **J Am Vet Med Assoc** 1986 Feb 15;188(4):410–3
Mutagen-directed attenuation of Rift Valley fever virus as a method for vaccine development. Caplen H, et al.
J Gen Virol 1985 Oct;66 (Pt 10):2271–7
Evaluation of rhesus rotavirus vaccine (MMU 18006) in infants and young children. Anderson EL, et al.
J Infect Dis 1986 May;153(5):823–31
Live attenuated varicella vaccine. Gershon AA.
J Infect Dis 1985 Nov;152(5):859–62
Rotavirus: the major etiologic agent of severe infantile diarrhea may be controllable by a "Jennerian" approach to vaccination. Kapikian AZ, et al. **J Infect Dis** 1986 May; 153(5):815–22 (51 ref.)
Protection against canine distemper virus in dogs after immunization with isolated fusion protein. Norrby E, et al. **J Virol** 1986 May;58(2):536–41
The prospects for and pathways toward a vaccine for AIDS. Francis DP, et al. **N Engl J Med** 1985 Dec 19; 313(25):1586–90 (34 ref.)
Epstein-Barr virus. Dream or reality of a vaccine? [news] Beale AJ. **Nature** 1985 Nov 21–27;318(6043):230
Genetic engineering. USDA goes too public too quickly [news] Beardsley T. **Nature** 1986 Apr 10–16;320(6062):473
Protection of cottontop tamarins against Epstein-Barr virus-induced malignant lymphoma by a prototype subunit vaccine. Epstein MA, et al. **Nature** 1985 Nov 21–27; 318(6043):287–9
Engineered vaccines: instant approval [news] Palca J.
Nature 1986 May 1–7;321(6065):7
AIDS in California: state aid offered for vaccine [news] Wright K. **Nature** 1986 May 8–14;321(6066):105
The use of recombinant DNA technology for the development of a bluetongue virus subunit vaccine. Huismans H. **Onderstepoort J Vet Res** 1985 Sep; 52(3):149–51
Active immunization against varicella. Proceedings of a symposium. Munich, November 29 and 30, 1984.
Postgrad Med J 1985;61 Suppl 4:1–171
Worldwide experience with the Oka-strain live varicella vaccine. Andre FE. **Postgrad Med J** 1985;61 Suppl 4:113–20 (23 ref.)
Immunization of children with malignant diseases with the Oka-strain varicella vaccine. Austgulen R.
Postgrad Med J 1985;61 Suppl 4:93–5
Restoration of varicella-zoster virus cell-mediated immune response after varicella booster vaccination. Berger R, et al. **Postgrad Med J** 1985;61 Suppl 4:143–5
Varicella vaccine in children with chronic renal insufficiency. Broyer M, et al. **Postgrad Med J** 1985;61 Suppl 4:103–6
Production and quality control of the Oka-strain live varicella vaccine. D'Hondt E, et al. **Postgrad Med J** 1985; 61 Suppl 4:53–6
Stimulation of specific immune response to varicella antigens in the elderly with varicella vaccine. Duchateau J, et al.
Postgrad Med J 1985;61 Suppl 4:147–50
A multicentre trial of live attenuated varicella vaccine in children with leukaemia in remission. Gershon AA, et al.
Postgrad Med J 1985;61 Suppl 4:73–8
Active immunization against varicella of children with acute leukaemia or other malignancies on maintenance chemotherapy. Haas RJ, et al. **Postgrad Med J** 1985;61 Suppl 4:69–72
Experience with the live Oka-strain varicella vaccine in children with solid tumours. Heath RB, et al.
Postgrad Med J 1985;61 Suppl 4:107–11
Early results of a trial of the Oka-strain varicella vaccine in children with leukaemia or other malignancies in Sweden. Heller L, et al. **Postgrad Med J** 1985;61 Suppl 4:79–83
Live varicella vaccine in healthy individuals. Just M, et al.
Postgrad Med J 1985;61 Suppl 4:129–32
Live varicella immunization in healthy non-immune nurses. Ndumbe PM, et al. **Postgrad Med J** 1985;61 Suppl 4:133–5
Live varicella vaccine in severely immunodepressed children.

Ninane J, et al. **Postgrad Med J** 1985;61 Suppl 4:97–102
The future of varicella vaccine. Plotkin SA, et al. **Postgrad Med J** 1985;61 Suppl 4:155–62 (30 ref.)
Vaccination of children with malignant disease against varicella. Slørdahl SH, et al. **Postgrad Med J** 1985;61 Suppl 4:85–92
Attenuation and laboratory markers of the Oka-strain varicella-zoster virus. Takahashi M, et al. **Postgrad Med J** 1985;61 Suppl 4:37–46
Clinical experience with Oka live varicella vaccine in Japan. Takahashi M, et al. **Postgrad Med J** 1985;61 Suppl 4:61–7
Virus vaccines: 1986 update. Melnick JL. **Prog Med Virol** 1986;33:134–70
The search for an AIDS vaccine. Dowdle W. **Public Health Rep** 1986 May–Jun;101(3):232–3
Varicella in day care centers. Brunell PA, et al. **Rev Infect Dis** 1986 Jul–Aug;8(4):589–90 (16 ref.)
Vaccine-preventable diseases and child day care. Hinman AR. **Rev Infect Dis** 1986 Jul–Aug;8(4):573–83 (44 ref.)
Will an AIDS vaccine bankrupt the company that makes it? [news] Barnes DM. **Science** 1986 Sep 5;233(4768):1035
PHS invites industry collaboration on AIDS vaccine [news] Barnes DM. **Science** 1986 Sep 5;233(4768):1034–5
New enteric vaccines: application of new knowledge of receptors and recognition in enteric infections. Candy DC. **Trans R Soc Trop Med Hyg** 1985;79(5):577–80 (36 ref.)
Early interactions between animal viruses and the host cell: relevance to viral vaccines. Patterson S, et al. **Vaccine** 1986 Jun;4(2):79–90 (141 ref.)
Live varicella vaccine: the third act? [editorial] Plotkin SA. **Vaccine** 1986 Jun;4(2):74
Protection of chickens against challenge with the variant virus responsible for Newcastle disease in 1984 by conventional vaccination. Alexander DJ, et al. **Vet Rec** 1986 Feb 15;118(7):176–7
Control of Aujeszky's disease [letter] Kit S, et al. **Vet Rec** 1986 Mar 15;118(11):310
Bovine virus diarrhoea vaccine [letter] Mackendrick MD. **Vet Rec** 1985 Oct 19;117(16):419
[Molecular biology in the program of the VHJ Institute for Sera and vaccines (on the 60th anniversary of the beginnings of immunologic product manufacture in Czechoslovakia)] Vonka V, et al. **Cesk Epidemiol Mikrobiol Imunol** 1985 Sep;34(5):267–75 (Eng. Abstr.) (Cze)
[Hepatitis B recombinant vaccine. Tolerance and immunogenicity (letter)] Kuwert E, et al. **Dtsch Med Wochenschr** 1985 Oct 25;110(43):1672–3 (Ger)
[Viral vaccines produced by gene technology and synthesis] Hess RG. **Tierarztl Prax** 1986;14(1):9–14 (Eng. Abstr.) (Ger)
[Drinking water vaccination against mousepox (ectromelia)] Mahnel H. **Zentralbl Veterinarmed [B]** 1985 Aug; 32(7):479–87 (Eng. Abstr.) (Ger)
[WHO program for development of new vaccines: objectives, tasks and approaches] Litvinov SK, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Sep;(9):96–101 (15 ref.) (Rus)

ADMINISTRATION & DOSAGE

Distributions of amyloid plaques in four regions of the brains of mice infected with scrapie by intracerebral and intraperitoneal routes of injection. Gibson PH. **Acta Neuropathol (Berl)** 1986;69(3–4):322–5
Oral rotavirus vaccination in breast- and bottle-fed infants aged 6 to 12 months. Vesikari T, et al. **Acta Paediatr Scand** 1986 Jul;75(4):573–8
Adult immunizations. Amin NM. **Am Fam Physician** 1986 Jun;33(6):89–104
Efficacy of an orally administered modified-live porcine-origin rotavirus vaccine against postweaning diarrhea in pigs. Hoblet KH, et al. **Am J Vet Res** 1986 Aug;47(8):1697–703
Acute arthritis in caprine arthritis-encephalitis virus challenge exposure of vaccinated or persistently infected goats. McGuire TC, et al. **Am J Vet Res** 1986 Mar; 47(3):537–40
Comparison of a kinetic-based enzyme-linked immunosorbent assay (KELISA) and virus-neutralization test for infectious bursal disease virus. II. Decay of maternal antibody in progeny from white Leghorns receiving various vaccination regimens. Solano W, et al. **Avian Dis** 1986 Jan–Mar;30(1):126–31
Interventions for the control of diarrhoeal diseases among young children: rotavirus and cholera immunization. de Zoysa I, et al. **Bull WHO** 1985;63(3):569–83
Simultaneous administration of diphtheria–tetanus–pertussis–polio and hepatitis B vaccines in a simplified immunization program: immune response to diphtheria toxoid, tetanus toxoid, pertussis, and hepatitis B surface antigen. Coursaget P, et al. **Infect Immun** 1986 Mar;51(3):784–7
Simultaneous administration of hepatitis B and yellow fever vaccines. Yvonnet B, et al. **J Med Virol** 1986 Aug; 19(4):307–11
Protective effects of nasal immunization in mice with various kinds of inactivated Sendai virus vaccines. Miyamae T. **Microbiol Immunol** 1986;30(3):213–23
AIDS vaccine and the private sector [letter] Wetzler L, et al. **N Engl J Med** 1986 Jun 5;314(23):1511–2
Liposomal subunit vaccine against Epstein–Barr virus–induced malignant lymphoma [letter] Gregoriadis G. **Nature** 1986 Mar 6–12;320(6057):87–8
Dose-response study of RIT 4237 oral rotavirus vaccine in breast-fed and formula-fed infants. Vesikari T, et al. **Pediatr Infect Dis** 1985 Nov–Dec;4(6):622–5
Efficacy of coarse spray administration of commercial intermediate infectious bursal disease vaccines. Giambrone JJ, et al. **Poult Sci** 1986 Apr;65(4):807–8
Response of adult human volunteers to oral administration of bovine and bovine/human reassortant rotaviruses. Clark HF, et al. **Vaccine** 1986 Mar;4(1):25–31
Intramuscular and intravaginal vaccination of pregnant cows with thymidine kinase-negative, temperature-resistant infectious bovine rhinotracheitis virus (bovine herpes virus 1). Kit S, et al. **Vaccine** 1986 Mar;4(1):55–61
Intranasal vaccination of pigs against Aujeszky's disease. 4. Comparison with one or two doses of an inactivated vaccine in pigs with moderate maternal antibody titres. Van Oirschot JT, et al. **Vet Microbiol** 1985 Aug;10(5):401–8
Parvovirus vaccination [letter] **Vet Rec** 1985 Nov 16; 117(20):533–4
Field observations on serological responses to an oil emulsion vaccine against avian infectious bronchitis. Macdonald JW, et al. **Vet Rec** 1986 Mar 8;118(10):272–3
Observations on the use of an inactivated canine parvovirus vaccine. Smith JR, et al. **Vet Rec** 1986 Apr 5;118(14):385–7
[Safety and effectiveness of Riems vesicular swine disease adsorbate vaccines] Leopoldt D, et al. **Arch Exp Veterinarmed** 1985 Sep;39(5):781–95 (Eng. Abstr.) (Ger)
[Vaccine production of the Riems Island Friedrich Loeffler Institute] Tesmer S, et al. **Arch Exp Veterinarmed** 1985 Sep; 39(5):684–91 (Eng. Abstr.) (Ger)
[Effect of the virus content per vaccination dose on the effectiveness of the immune prevention of Marek's disease in general practice] Werner P, et al. **Arch Exp Veterinarmed** 1985 Sep;39(5):746–59 (Eng. Abstr.) (Ger)
[Vaccination of geese (Anser anser dom.) and Muscovy ducks (Cairina moschata dom.) against parvovirus hepatitis (s. Derzsy's disease)— report of a field trial with the attenuated live virus vaccine Palmivax] Kaleta EF. **DTW** 1985 Sep 6;92(9):303–5 (Eng. Abstr.) (Ger)
[Bovine viral diarrhea–mucosal disease: an economic evaluation of prevention by vaccination] Ring C, et al. **DTW** 1985 Oct 8;92(10):400–2 (Eng. Abstr.) (Ger)
[Prevention of Marek's disease by various vaccination viruses following test infection at various ages, study of PD50] Vielitz E, et al. **DTW** 1986 Jan 7;93(1):53–6 (Eng. Abstr.) (Ger)
[Active chickenpox vaccination of children with acute leukemia or other neoplastic diseases] Haas RJ, et al. **Klin Padiatr** 1985 Nov–Dec;197(6):477–80 (Eng. Abstr.) (Ger)
[The feline leukemia virus vaccine Leukocell: reference for use] Lutz H. **Schweiz Arch Tierheilkd** 1986 May; 128(5):255–9 (Eng. Abstr.) (Ger)
[Active immunization against tick-borne encephalitis in the elderly] Biró J, et al. **Z Gerontol** 1985 Nov–Dec;18(6):337–9 (Eng. Abstr.) (Ger)
[Active immunization of children exposed to varicella infection in hospitals, using subcutaneous and intradermal attenuated live vaccine] Boda D, et al. **Orv Hetil** 1985 Oct 20;126(42):2577–80 (Eng. Abstr.) (Hun)
[Induction of biological protection in pigs against infection with Aujeszky disease virus by vaccination with large doses of live or inactivated vaccines] Zuffa A. **Vet Med (Praha)** 1986 Feb;31(2):83–94 (Eng. Abstr.) (Slo)

ADVERSE EFFECTS

Thrombocytopenic purpura following varicella-zoster vaccination. Lee SY, et al. **Am J Pediatr Hematol Oncol** 1986 Spring;8(1):78–80
Experimental bluetongue virus infection of sheep; effect of vaccination: pathologic, immunofluorescent, and ultrastructural studies. Mahrt CR, et al. **Am J Vet Res** 1986 Jun;47(6):1198–203
The swine influenza vaccination controversy. Hachinski V. **Arch Neurol** 1985 Nov;42(11):1092
Swine influenza vaccine and Guillain–Barré syndrome. Epidemic or artifact? Kurland LT, et al. **Arch Neurol** 1985 Nov;42(11):1089–90
Swine influenza vaccination. Truth and consequences. Poser CM. **Arch Neurol** 1985 Nov;42(11):1090–2
Comment: Cyclosporine and vaccination [letter] Grabenstein JD, et al. **Drug Intell Clin Pharm** 1985 Sep;19(9):679–80
Risk of herpes zoster in children with leukemia: varicella vaccine compared with history of chickenpox. Brunell PA, et al. **Pediatrics** 1986 Jan;77(1):53–6
Increased virulence of an infectious bursal disease live virus vaccine after passage in chicks. Muskett JC, et al. **Vaccine** 1985 Sep;3(3):309–12
Vaccination reactions [letter] Wallis AS. **Vet Rec** 1986 Aug 2;119(5):118
Persistent infection of the genital tract and excretion of the vaccine strain after live virus immunization with bovine herpesvirus 1 (IBR/IPV virus). Gregersen JP, et al. **Zentralbl Veterinarmed [B]** 1985 Jun;32(5):354–60
Studies on transplacental transmissibility of a bovine virus diarrhoea (BVD) vaccine virus in cattle. III. Occurrence of central nervous system malformations in calves born from vaccinated cows. Trautwein G, et al. **Zentralbl Veterinarmed [B]** 1986 May;33(4):260–8
[Possible correlations between preventive foot-and-mouth disease vaccination and abortion in cattle] Ahlers D, et al. **DTW** 1985 Oct 8;92(10):423–8 (Eng. Abstr.) (Ger)
[Detection of attenuated virus latency in infectious laryngotracheitis in the trigeminal ganglion of the chicken] Kaleta EF, et al. **DTW** 1986 Jan 7;93(1):40–2 (Eng. Abstr.) (Ger)

ANALYSIS

Differentiation of serum antibodies from pigs vaccinated or infected with Aujeszky's disease virus by a competitive enzyme immunoassay. van Oirschot JT, et al. **J Gen Virol** 1986 Jun;67 (Pt 6):1179–82
Lipid content of swine influenza and other vaccines. Leskawa KC, et al. **Lipids** 1986 May;21(5):342–6
Topographical analysis of epitope relationships on the envelope glycoprotein of yellow fever 17D vaccine and the wild type Asibi parent virus. Cammack N, et al. **Virology** 1986 Apr 30;150(2):333–41

GENETICS

Studies of TGEV spike protein gp195 expressed in E. coli and by a TGE-vaccinia virus recombinant. Hu S, et al. **Adv Exp Med Biol** 1985;185:63–82
Recombinant vaccinia viruses as new live vaccines. Smith GL, et al. **Biotechnol Genet Eng Rev** 1984;2:383–407 (96 ref.)
The impact of new technologies on vaccine developmr .t. Winther MD, et al. **Biotechnol Genet Eng Rev** 1984;2:1–39 (118 ref.)
Vaccine engineering. Violation of rules alleged [news] Palca J. **Nature** 1986 May 15–21;321(6067):190

HISTORY

The hen's egg versus the horse's brain: how equine encephalomyelitis vaccine established the Dorothy and Joseph Beard Foundation. Sealy WC. **NC Med J** 1986 Jan; 47(1):37–8

IMMUNOLOGY

Application of radio-detoxified endotoxin as adjuvant for experimental foot-and-mouth disease vaccine. Sólyom F, et al. **Acta Microbiol Hung** 1985;32(3):233–9
Studies on preparation of a tick-borne encephalitis (TBE) vaccine from the Skalica strain. Grešíková M, et al. **Acta Virol (Praha)** 1986 May;30(3):243–8
Cell mediated immune response following foot-and-mouth disease vaccination in buffalo calves. Sharma R, et al. **Acta Virol (Praha)** 1985 Dec;29(6):509–13
Virion proteins and the perspectives of gene manipulations in vaccine preparation. Tickhonenko TI. **Acta Virol (Praha)** 1985 May;29(3):254–65 (78 ref.)
Effect of Avridine on enteric antigen uptake and mucosal immunity to reovirus (1/Lang). Anderson AO, et al. **Adv Exp Med Biol** 1985;186:379–90
The structural proteins of the autonomous parvovirus feline panleukopenia virus. Carlson J, et al. **Adv Exp Med Biol** 1985;185:47–61
Synthetic hepatitis B surface antigen peptide vaccine. Dreesman GR, et al. **Adv Exp Med Biol** 1985;185:129–37
Rotavirus antigens. Estes MK, et al. **Adv Exp Med Biol** 1985; 185:201–14
Antigen mimicry by anti-idiotype antibodies that recognize a common anti-hepatitis B surface antigen idiotype. Kennedy RC, et al. **Adv Exp Med Biol** 1985;185:139–47
Response of cattle persistently infected with noncytopathic bovine viral diarrhea virus to vaccination for bovine viral diarrhea and to subsequent challenge exposure with cytopathic bovine viral diarrhea virus. Bolin SR, et al. **Am J Vet Res** 1985 Dec;46(12):2467–70
Experimental bluetongue virus infection of sheep; effect of previous vaccination: clinical and immunologic studies. Mahrt CR, et al. **Am J Vet Res** 1986 Jun;47(6):1191–7
Booster vaccination of healthy adults with VZV antibody but without a VZV-specific cell-mediated immune response. Berger R, et al. **Antiviral Res** 1985;Suppl 1:267–71
Herpes simplex virus vaccines. Meignier B, et al. **Antiviral Res** 1985;Suppl 1:259–65
Immunogenicity of purified glycoprotein gB of herpes simplex virus. Kino Y, et al. **Arch Virol** 1986;89(1–4):69–80
Determination of hemagglutination activity recovered from oil-emulsion Newcastle disease vaccines as a prediction of efficacy. Stone HD. **Avian Dis** 1985 Jul–Sep;29(3):721–8
Biotechnological approach to a new foot-and-mouth disease virus vaccine. Küpper H. **Biotechnol Genet Eng Rev** 1984; 1:223–59 (88 ref.)
Recombinant vaccinia viruses as live virus vectors for vaccine antigens: memorandum from a WHO/USPHS/NIBSC meeting. **Bull WHO** 1985; 63(3):471–7
Phase II study of vaccinia melanoma cell lysates (VMCL) as adjuvant to surgical treatment of stage II melanoma. II. Effects on cell mediated cytotoxicity and leucocyte dependent antibody activity: immunological effects of VMCL in melanoma patients. Hersey P, et al. **Cancer Immunol Immunother** 1986;22(3):221–31
Not all potently neutralizing, vaccine-induced antibodies to Epstein–Barr virus ensure protection of susceptible

experimental animals. Epstein MA, et al.
Clin Exp Immunol 1986 Mar;63(3):485–90

Previous immunization of mice with herpes simplex virus type-1 strain MP protects against secondary corneal infection. Sandstrom IK, et al.
Clin Immunol Immunopathol 1986 Aug;40(2):326–34

Use of T cell–specific anti–idiotypes to immunize against viral infections. Finberg RW, et al. **Immunol Rev** 1986 Apr; 90:129–55 (52 ref.)

From Jenner to Jerne: towards idiotype vaccines. UytdeHaag FG, et al. **Immunol Rev** 1986 Apr;90:93–113 (64 ref.)

Development of in vitro correlate of cell mediated immunity following Japanese encephalitis inactivated vaccine among laboratory personnel. Kelkar SD, et al.
Indian J Med Res 1986 Jan;83:104–7

Serologic evaluation of vaccinated American river otters. Hoover JP, et al. **J Am Vet Med Assoc** 1985 Dec 1; 187(11):1162–5

Response of pups to modified–live canine parvovirus component in a combination vaccine. O'Brien SE, et al.
J Am Vet Med Assoc 1986 Apr 1;188(7):699–701

Dissociation between serum neutralizing and glycoprotein antibody responses of infants and children who received inactivated respiratory syncytial virus vaccine. Murphy BR, et al. **J Clin Microbiol** 1986 Aug;24(2):197–202

Evaluation of live avian–human reassortant influenza A H3N2 and H1N1 virus vaccines in seronegative adult volunteers. Snyder MH, et al. **J Clin Microbiol** 1986 May; 23(5):852–7

Attenuation of wild–type human influenza A virus by acquisition of the PA polymerase and matrix protein genes of influenza A/Ann Arbor/6/60 cold–adapted donor virus. Snyder MH, et al. **J Clin Microbiol** 1985 Nov;22(5):719–25

Coronavirus IBV: virus retaining spike glycopolypeptide S2 but not S1 is unable to induce virus–neutralizing or haemagglutination–inhibiting antibody, or induce chicken tracheal protection. Cavanagh D, et al. **J Gen Virol** 1986 Jul;67 (Pt 7):1435–42

Infectious bronchitis immunity: its study in chickens experimentally infected with mixtures of infectious bronchitis virus and Escherichia coli. Cook JK, et al.
J Gen Virol 1986 Jul;67 (Pt 7):1427–34

Immunoprevention of Friend leukaemia virus–induced erythroleukaemia by vaccination with aggregated gp70. Kleiser C, et al. **J Gen Virol** 1986 Sep;67 (Pt 9):1901–7

Humoral response of pregnant sows to foot and mouth disease vaccination. Francis MJ, et al. **J Hyg (Lond)** 1986 Jun; 96(3):501–11

The association of enhancing antibodies with seroconversion in humans receiving a dengue–2 live–virus vaccine. Eckels KH, et al. **J Immunol** 1985 Dec;135(6):4201–3

Viral replication and immunologic responses in children naturally infected with varicella–zoster virus and in varicella vaccine recipients. Asano Y, et al.
J Infect Dis 1985 Nov;152(5):863–8

Preparation of a prototype inactivated hepatitis A virus vaccine from infected cell cultures. Binn LN, et al.
J Infect Dis 1986 Apr;153(4):749–56

Anti–HBs responses to vaccination with a human hepatitis B vaccine made by recombinant DNA technology in yeast. Hollinger FB, et al. **J Infect Dis** 1986 Jan;153(1):156–9

Chloroquine does not adversely affect the antibody response to yellow fever vaccine [letter] Tsai TF, et al.
J Infect Dis 1986 Oct;154(4):726–7

A comparative trial of rhesus monkey (RRV–1) and bovine (RIT 4237) oral rotavirus vaccines in young children. Vesikari T, et al. **J Infect Dis** 1986 May;153(5):832–9

Use of N–acetylethyleneimine [AEI] for the inactivation of Semliki Forest virus in vitro. Amor S, et al.
J Med Virol 1986 Aug;19(4):367–76

Protection of weanling hamsters from experimental infection with wild–type parainfluenza virus type 3 (para 3) by cold–adapted mutants of para 3. Crookshanks–Newman FK, et al. **J Med Virol** 1986 Feb;18(2):131–7

Safety and immunogenicity of a recombinant hepatitis B vaccine. Dandolos E, et al. **J Med Virol** 1985 Sep; 17(1):57–62

Acute and latent herpes simplex virus neurological disease in mice immunized with purified virus–specific glycoproteins gB or gD. Dix RD, et al. **J Med Virol** 1985 Sep;17(1):9–18

Human antibody response to immunization with 17D yellow fever and inactivated TBE vaccine. Kayser M, et al.
J Med Virol 1985 Sep;17(1):35–45

Different immune responses after intradermal and intramuscular administration of vaccine against tick–borne encephalitis virus. Zoulek G, et al. **J Med Virol** 1986 May; 19(1):55–61

Humoral immune response to herpes simplex virus type 2 glycoproteins in patients receiving a glycoprotein subunit vaccine. Ashley R, et al. **J Virol** 1985 Nov;56(2):475–81

Synthetic glycoprotein D–related peptides protect mice against herpes simplex virus challenge. Eisenberg RJ, et al. **J Virol** 1985 Dec;56(3):1014–7

Immunogenicity of a bovine rotavirus glycoprotein fragment. Sabara M, et al. **J Virol** 1985 Dec;56(3):1037–40

Radioimmunoassay of adjuvant–associated porcine parvovirus using a monoclonal antibody in a nitrocellulose membrane system. Katz JB, et al. **J Virol Methods** 1985 Dec;12(3–4):193–8

Live Oka/Merck varicella vaccine in healthy children. Further clinical and laboratory assessment. Weibel RE, et al. **JAMA** 1985 Nov 1;254(17):2435–9

Evaluation of tri–combinant vaccine for feline herpesvirus, calicivirus and panleukopenia virus infections in Japanese native cats. Yagami K, et al. **Jikken Dobutsu** 1985 Jul; 34(3):287–94

Reexamination of the efficacy of vaccination against mousepox. Buller RM, et al. **Lab Anim Sci** 1985 Oct; 35(5):473–6

Failure of live, attenuated oral rotavirus vaccine [letter] De Mol P, et al. **Lancet** 1986 Jul 12;2(8498):108

Vaccination against Epstein–Barr virus: current progress and future strategies. Epstein MA. **Lancet** 1986 Jun 21; 1(8495):1425–7

Serology and virulence diversity among Old–World arenaviruses, and the relevance to vaccine development. Jahrling PB, et al. **Med Microbiol Immunol (Berl)** 1986; 175(2–3):165–7

Induction of antibodies against Newcastle disease virus with syngeneic anti–idiotype antibodies in mice. Tanaka M, et al. **Microbiol Immunol** 1986;30(4):323–31

Serologic response to hepatitis B vaccine in children receiving multiple blood transfusions. Buchanan GR, et al.
Pediatr Infect Dis 1986 Jan–Feb;5(1):68–70

Performance of broiler progeny of breeder flocks vaccinated with inactivated oil emulsion malabsorption syndrome virus vaccine. Eidson CS, et al. **Poult Sci** 1985 Nov;64(11):2081–6

Evaluation of the immunogenicity, stability, pathogenicity, and immunodepressive potential of four commercial live infectious bursal disease vaccines. Giambrone JJ, et al.
Poult Sci 1986 Jul;65(7):1287–90

Hepatitis B vaccine. Eder G, et al. **Prog Liver Dis** 1986; 8:367–94 (193 ref.)

Guinea pig protection test as indicator of potency of oil emulsion foot–and–mouth disease vaccines. Black L, et al.
Res Vet Sci 1985 Sep;39(2):207–11

Blood value changes in flavivirus–inoculated Macaca fascicularis monkeys. Angsubhakorn S, et al.
Southeast Asian J Trop Med Public Health 1986 Mar; 17(1):1–7

Antigenic relationships between an isolate of the Western Subtype of tick–borne encephalitis virus and an inactivated vaccine derived from it. Lee JM, et al. **Vaccine** 1985 Sep; 3(3):292–6

Feline leukemia vaccine: efficacy, contents and probable mechanism. Mastro JM, et al.
Vet Immunol Immunopathol 1986 Mar;11(3):205–13

Possible immunoenhancement of persistent viremia by feline leukemia virus envelope glycoprotein vaccines in challenge–exposure situations where whole inactivated virus vaccines were protective. Pedersen NC, et al.
Vet Immunol Immunopathol 1986 Feb;11(2):123–48

Vaccines against Aujeszky's disease: evaluation of their efficacy under standardized laboratory conditions. de Leeuw PW, et al. **Vet Q** 1985 Jul;7(3):191–7

Parvovirus vaccination [letter] **Vet Rec** 1985 Oct 26; 117(17):450

Reactions to equine influenza vaccine [letter] Belgrave J, et al. **Vet Rec** 1986 May 3;118(18):519–20

Canine parvovirus vaccination [letter] McVicar ID, et al.
Vet Rec 1985 Jul 20;117(3):71

Evidence for an immunocompromising effect of bovine pestivirus on bovid herpesvirus 1 vaccination. Edwards S, et al. **Vet Res Commun** 1986 Jul;10(4):297–302

Lack of genetic restriction by a potential anti–idiotype vaccine for type B viral hepatitis. Kennedy RC, et al.
Virology 1986 Jan 30;148(2):369–74

The interpretation of hepatitis B virus vaccine immunogenicity tests on mice. Vranckx RP.
Zentralbl Bakteriol Mikrobiol Hyg [B] 1985 Dec; 182(1):17–24

Immune response in anaemic calves. Sárközy P, et al.
Zentralbl Veterinarmed [B] 1985 Jun;32(5):317–25

Humoral immune response following Rinderpest vaccination in cattle and sheep. Srour E, et al.
Zentralbl Veterinarmed [B] 1986 Apr;33(3):180–7

Study of immunity induced by the inactivated oil–adjuvant vaccine after natural infection with the virus of infectious bovine rhinotracheitis (IBR) in cattle. Zuffa A, et al.
Zentralbl Veterinarmed [B] 1985 Dec;32(10):724–35

[Experimentation, in wool–producing sheep, on the innocuity and efficacy of a modified poxvirus, isolated from a Mauritanian sheep with nodular sheep pox] Gilbert Y, et al. **Rev Elev Med Vet Pays Trop** 1985;38(1):22–7 (Eng. Abstr.) **(Fre)**

[Onset and duration of immunity following aerogenic immunization of swine against swine pest and erysipelas] Kaden V, et al. **Arch Exp Veterinarmed** 1985 Sep; 39(5):730–7 (Eng. Abstr.) **(Ger)**

[Trial samples of inactivated vaccines against vesicular swine disease and their effectiveness in animal experiments] Leopoldt D, et al. **Arch Exp Veterinarmed** 1985 Sep; 39(5):738–45 (Eng. Abstr.) **(Ger)**

[Vaccines and antibodies of the 3d generation. Progress in immune prevention] Stickl H. **Fortschr Med** 1985 Dec 19; 103(47–48):1095–6 **(Ger)**

[Antibody response following Japanese encephalitis vaccination in patients undergoing maintenance hemodialysis] Nakamura Y, et al.
Nippon Jinzo Gakkai Shi 1985 Jun;27(6):839–44 (Eng. Abstr.) **(Jpn)**

[Development of live varicella vaccine] Takahashi M, et al.
Nippon Rinsho 1985 Jul;43(7):1535–41 (26 ref.) **(Jpn)**

[Problems and concepts of active immunologic prevention of human virus diseases] Kaštoch M. **Przegl Epidemiol** 1985;39(3–4):354–62 (Eng. Abstr.) **(Pol)**

[Comparison of the immunizing effectiveness of subunit vaccine and inactivated viral oil vaccine against infectious rhinotracheitis of cattle] Zuffa A, et al.
Vet Med (Praha) 1986 Apr;31(4):209–18 (Eng. Abstr.) **(Slo)**

ISOLATION & PURIFICATION

Conditions for proper formaldehyde inactivation of foot and mouse disease alhydrogel vaccines. Barteling SJ.
Dev Biol Stand 1985;60:323–9

Production of herpesvirus of turkeys in microcarrier culturing system—a new method for production of vaccine against Marek's disease. Fiorentine D, et al.
Dev Biol Stand 1985;60:421–30

The use of BHK suspension cells for the commercial production of foot and mouth disease vaccines over a twenty year period. Radlett PJ, et al. **Dev Biol Stand** 1985; 60:163–70

Thermostability and efficacy in the field of a new, stabilized yellow fever virus vaccine. Georges AJ, et al. **Vaccine** 1985 Sep;3(3):313–5

[Creation of an avirulent immunogenic mutant of the transmissible gastroenteritis virus and its use as a vaccine] Tatarov G. **Vet Med Nauki** 1985;22(8):13–9 (Eng. Abstr.) **(Bul)**

PHARMACODYNAMICS

Immune response of infants and children to low–passage bovine rotavirus (strain WC3). Clark HF, et al.
Am J Dis Child 1986 Apr;140(4):350–6

Enhancement of respiratory syncytial virus pulmonary pathology in cotton rats by prior intramuscular inoculation of formalin–inactivated virus. Prince GA, et al. **J Virol** 1986 Mar;57(3):721–8

Evaluation of a combined rotavirus and enterotoxigenic Escherichia coli vaccine in cattle. Snodgrass DR.
Vet Rec 1986 Jul 12;119(2):39–42

STANDARDS

Freeze–dried vaccine against Rinderpest: stability and activity study. Languet B, et al.
Comp Immunol Microbiol Infect Dis 1985;8(3–4):285–95

THERAPEUTIC USE

Field vaccination against hemorrhagic enteritis of turkeys by a cell–culture live–virus vaccine. Fadly AM, et al.
Avian Dis 1985 Jul–Sep;29(3):768–77

Immunization against psittacine pox. Winterfield RW, et al.
Avian Dis 1985 Jul–Sep;29(3):886–90

A Southeastern Cancer Study Group phase I/II trial with vaccinia melanoma oncolysates. Wallack MK, et al.
Cancer 1986 Feb 1;57(3):649–55

Herpes vaccine effective in animal studies [news]
J Am Dent Assoc 1985 Nov;111(5):796

NIH plans probe on test of altered virus [news] Sun M.
Science 1986 May 16;232(4752):821–2

Trial of inactivated Japanese encephalitis vaccine in children with underlying diseases. Yamada A, et al. **Vaccine** 1986 Mar;4(1):32–4

Parvovirus vaccination [letter] Tribe GW. **Vet Rec** 1985 Aug 17;117(7):155

[Revaccination of pigeons against paramyxovirus infections based on blood analysis] **Tijdschr Diergeneeskd** 1986 Mar 15;111(6):286 **(Dut)**

[Feline leukemia: current status regarding prevention] Moennig V. **Tijdschr Diergeneeskd** 1986 Feb 15; 111(4):178–84 (Eng. Abstr.) **(Dut)**

[Use of stabilized yellow fever vaccine 17D at the time of the yellow fever epidemic in Burkina Faso in 1983] Saluzzo JF, et al. **Bull Soc Pathol Exot Filiales** 1985;78(4):536–40 (Eng. Abstr.) **(Fre)**

[Vaccination against mouse pox] Mahnel H.
Tierarztl Prax 1985;13(3):403–7 (Eng. Abstr.) **(Ger)**

[Indices of alpha–interferon and of lymphocyte natural killer activity in genital herpes and the effect on them of specific vaccinal therapy and interferon therapy] Barinskii IF, et al. **Vopr Virusol** 1985 May–Jun;30(3):340–3 (Eng. Abstr.) **(Rus)**

[Indices of lymphocyte functional activity in patients with recurrent cutaneous–genital herpes during treatment with a herpes vaccine] Karpovich LG, et al. **Vopr Virusol** 1986 Mar–Apr;31(2):200–5 (Eng. Abstr.) **(Rus)**

[Increased knowledge about viruses as a cause of diarrhea. The protective effect of rotavirus vaccine is tested now] Uhnoo I, et al. **Lakartidningen** 1985 Dec 18;82(51):4503–7 **(Swe)**

VIREMIA

DIAGNOSIS

Multisite monoclonal immunoassay for dengue viruses: detection of viraemic human sera and interference by heterologous antibody. Monath TP, et al. **J Gen Virol** 1986 Apr;67 (Pt 4):639–50

[Early diagnosis of arbovirus infections by the indirect hemagglutination reaction] Lapina TF, et al.
Vopr Virusol 1985 Sep–Oct;30(5):620–3 **(Rus)**

DRUG THERAPY

Suramin antiviral therapy in the acquired immunodeficiency syndrome. Clinical, immunological, and virologic results. Levine AM, et al. **Ann Intern Med** 1986 Jul;105(1):32–7

FAMILIAL & GENETIC

High frequency germline acquisition of ecotropic MuLV proviruses in SWR/J–RF/J hybrid mice. Jenkins NA, et al. **Cell** 1985 Dec;43(3 Pt 2):811–9

MICROBIOLOGY

Infection of the adrenal gland as a route to the central nervous system after viraemia with herpes simplex virus in the mouse. Hill TJ, et al. **J Gen Virol** 1986 Feb;67 (Pt 2):309–20

Lymphocyte-associated viremia in varicella. Ozaki T, et al. **J Med Virol** 1986 Jul;19(3):249–53

OCCURRENCE

Human T-lymphotropic virus type III in high-risk, antibody-negative homosexual men. Mayer KH, et al. **Ann Intern Med** 1986 Feb;104(2):194–6

PATHOLOGY

[Experimental nephritis induced by Coxsackie B4 virus in mice—transient mesangial proliferation associated with acute viremia] Oohara N. **Nippon Jinzo Gakkai Shi** 1986 Apr;28(4):351–64 (Eng. Abstr.) **(Jpn)**

VETERINARY

Viremic enhancement due to transovarially acquired antibodies to St. Louis encephalitis virus in birds. Ludwig GV, et al. **J Wildl Dis** 1986 Jul;22(3):326–34

Possible immunoenhancement of persistent viremia by feline leukemia virus envelope glycoprotein vaccines in challenge-exposure situations where whole inactivated virus vaccines were protective. Pedersen NC, et al. **Vet Immunol Immunopathol** 1986 Feb;11(2):123–48

Transmission of feline leukaemia virus in the milk of a non-viraemic cat. Pacitti AM, et al. **Vet Rec** 1986 Apr 5;118(14):381–4

VIRGIMYCINE see VIRGINIAMYCINS

VIRGINIAMYCINS

Macrolides—lincosamides—streptogramins. Based on papers presented at an international symposium held in Paris, 9/10 February 1984. **J Antimicrob Chemother** 1985 Jul;16 Suppl A:1–226

Messenger RNA from Staphylococcus aureus that specifies macrolide-lincosamide-streptogramin resistance. Demonstration of its conformations and of the leader peptide it encodes. Mayford M, et al. **J Mol Biol** 1985 Oct 20;185(4):769–80

CHEMICAL SYNTHESIS

Structure activity relationships in lincosamide and streptogramin antibiotics. Le Goffic F. **J Antimicrob Chemother** 1985 Jul;16 Suppl A:13–21

METABOLISM

Localization of virginiamycin S binding site on bacterial ribosome by fluorescence energy transfer. Di Giambattista M, et al. **Biochemistry** 1986 Jun 17;25(12):3540–7

PHARMACODYNAMICS

Response of growing-finishing pigs to decreasing floor space allowance and(or) virginiamycin in diet. Moser RL, et al. **J Anim Sci** 1985 Aug;61(2):337–42

Macrolide, lincosamide and streptogramin resistance in Campylobacter jejuni/coli. Burridge R, et al. **J Antimicrob Chemother** 1986 Mar;17(3):315–21

Molecular mechanism of action of virginiamycin-like antibiotics (synergimycins) on protein synthesis in bacterial cell-free systems. Cocito C, et al. **J Antimicrob Chemother** 1985 Jul;16 Suppl A:35–52

Evolution and epidemiology of MLS resistance. Duval J. **J Antimicrob Chemother** 1985 Jul;16 Suppl A:137–49

MLS-resistance determinants in Staphylococcus aureus and their molecular evolution. Novick RP, et al. **J Antimicrob Chemother** 1985 Jul;16 Suppl A:101–10

Macrolides, lincosamides and streptogramins—early observations on their modes of action. Vázquez D. **J Antimicrob Chemother** 1985 Jul;16 Suppl A:225–6

Inducible resistance to macrolides, lincosamides and streptogramin type B antibiotics: the resistance phenotype, its biological diversity, and structural elements that regulate expression—a review. Weisblum B. **J Antimicrob Chemother** 1985 Jul;16 Suppl A:63–90 (91 ref.)

Naturally occurring Staphylococcus epidermidis plasmid expressing constitutive macrolide-lincosamide-streptogramin B resistance contains a deleted attenuator. Lampson BC, et al. **J Bacteriol** 1986 May;166(2):479–83

Nucleotide sequence of the constitutive macrolide-lincosamide-streptogramin B resistance plasmid pNE131 from Staphylococcus epidermidis and homologies with Staphylococcus aureus plasmids pE194 and pSN2. Lampson BC, et al. **J Bacteriol** 1986 Sep;167(3):888–92

Influence of virginiamycin and dietary manganese on performance, manganese utilization, and intestinal tract weight of broilers. Henry PR, et al. **Poult Sci** 1986 Feb; 65(2):321–4

VIRILISM

see related ADRENAL HYPERPLASIA, CONGENITAL

BLOOD

Hyperinsulinemia in hyperthecosis of the ovaries. Nagamani M, et al. **Am J Obstet Gynecol** 1986 Feb;154(2):384–9

[Selective venous catheterization in the evaluation of androgenism] Urdl W, et al. **Wien Klin Wochenschr** 1986 May 30;98(11):357–61 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

[Treatment of virilizing adrenal hyperplasia in adolescents. Use and side-effects of dexamethasone] Job JC, et al. **Arch Fr Pediatr** 1985 Nov;42(9):765–9 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Steroid secretion by a lipoid cell tumor causing virilization and its diagnosis with computerized tomography. Fonseca ME, et al. **Am J Obstet Gynecol** 1985 Dec 1;153(7):797–8

Hormone studies in a case of virilisation due to ovarian tumour. Fleetwood JA, et al. **Ann Clin Biochem** 1985 Sep; 22 (Pt 5):498–501

Virilization of a female infant due to an adrenal tumor. Pardo JM. **Clin Pediatr (Phila)** 1986 Sep;25(9):456–8

A solid virilizing granulosa cell tumour. Dhont M, et al. **Eur J Obstet Gynecol Reprod Biol** 1985 Oct;20(4):253–6

Bilateral virilizing adrenal tumor in a 17 year old woman. Hintze G, et al. **J Endocrinol Invest** 1985 Oct;8(5):465–70

A case of mucinous cystadenocarcinoma of the ovary associated with virilization: pre and post-operative steroid plasma levels. Mango D, et al. **J Endocrinol Invest** 1985 Aug;8(4):359–62

[Virilizing adrenal cortical tumor in children. Apropos of a neonatal case] Pigeon B, et al. **Pediatrie** 1985 Jun; 40(4):309–12 (Eng. Abstr.) **(Fre)**

[Pick's tubular adenoma of the ovary: a rare case of arrhenoblastoma] D'Errico R, et al. **Minerva Ginecol** 1986 Apr;38(4):261–4 (Eng. Abstr.) **(Ita)**

[Corticoadrenal carcinoma of mixed manifestations] Rodríguez Torres A, et al. **Arch Esp Urol** 1986 Mar; 39(2):101–9 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Early diagnosis of 11 beta-hydroxylase deficiency in two siblings confirmed by analysis of a novel steroid metabolite in newborn urine. Hughes IA, et al. **Acta Endocrinol (Copenh)** 1986 Mar;111(3):349–54

PATHOLOGY

[Hyperthecosis ovarii—a tumor-like change in androgenized females] Schwartz U, et al. **Geburtshilfe Frauenheilkd** 1986 Jun;46(6):391–7 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

The adrenal cortex and virilization. McKenna TJ, et al. **Clin Endocrinol Metab** 1985 Nov;14(4):997–1020 (100 ref.)

PSYCHOLOGY

Pediatric sexology and hermaphroditism. Money J. **J Sex Marital Ther** 1985 Fall;11(3):139–56

RADIOGRAPHY

Computerized tomography in cases of lipoid cell tumor causing virilization [letter] Grunert GM. **Am J Obstet Gynecol** 1986 Sep;155(3):684–5

VIRION

Office diagnosis of molluscum contagiosum by light microscopic demonstration of virions. Shelley WB, et al. **Cutis** 1985 Dec;36(6):465–6

Visual accommodation and virtual image displays: target detection and recognition. Norman J, et al. **Hum Factors** 1986 Apr;28(2):135–51

ANALYSIS

Kaposi's sarcoma and HTLV-III infection. Virus-like particles in skin lesions: experimental observations. Cuneo Crovari P, et al. **Boll Ist Sieroter Milan** 1985;64(5):353–62

A murine monoclonal antibody recognising a single glycoprotein within a human cytomegalovirus virion envelope glycoprotein complex. Law KM, et al. **J Med Virol** 1985 Nov;17(3):255–66

Some comments concerning purification of bovine enterovirus. Hamada N, et al. **Kurume Med J** 1985; 32(2):85–93

Evidence from cauliflower mosaic virus virion DNA for additional discontinuities in the plus strand. Maule AJ, et al. **Nucleic Acids Res** 1985 Oct 25;13(20):7359–73

Descriptive analysis of F ola virus proteins. Elliott LH, et al. **Virology** 1985 Nov;147(1):169–76

Distribution of hemagglutinin and neuraminidase on influenza virions as revealed by immunoelectron microscopy. Murti KG, et al. **Virology** 1986 Feb;149(1):36–43

Identification of a 65 000 dalton virion envelope protein of human cytomegalovirus. Britt WJ, et al. **Virus Res** 1985 Dec;4(1):31–6

Human parainfluenza virus 3: purification and characterization of subviral components, viral proteins and viral RNA. Wechsler SL, et al. **Virus Res** 1985 Nov; 3(4):339–51

[Characteristics of the subviral particles of the influenza C virus] Ivanov VT, et al. **Vopr Virusol** 1986 Mar-Apr; 31(2):234–6 **(Rus)**

DRUG EFFECTS

Structural particularities of parainfluenza type 1 (Sendai) virus progens obtained by cultivation in the presence of ceruloplasmin. Tomas E, et al. **Virologie** 1985 Jul-Sep; 36(3):201–6

[Characteristics of the subvirion components formed after the treatment of Machupo virus with a nonionic detergent] Lukashevich IS, et al. **Vopr Virusol** 1985 Jul-Aug; 30(4):457–63 (Eng. Abstr.) **(Rus)**

GENETICS

A virion-like particle (VLP) released from an Epstein-Barr virus-producing cell sub-line of P3HR-1: identification of a specific cellular DNA contained within VLPs. Yano S, et al. **Int J Cancer** 1986 Aug 15;38(2):275–84

Mapping and sequencing of RNAs without recourse to molecular cloning: application to RNAs of the Sabin 1 strain of poliovirus and its defective interfering particles. Omata T, et al. **J Biochem (Tokyo)** 1986 Jan;99(1):207–17

In vitro packaging of foreign DNA into heads of bacteriophage T1. Hug H, et al. **J Gen Virol** 1986 Feb;67 (Pt 2):333–43

Analysis of DNA sequences which regulate the transcription of herpes simplex virus immediate early gene 3: DNA sequences required for enhancer-like activity and response to trans-activation by a virion polypeptide. Bzik DJ, et al. **Nucleic Acids Res** 1986 Jan 24;14(2):929–43

Phospholipid liposomes enhance the infectivity of purified simian virus 40 virions. Shimura H, et al. **Virology** 1985 Jul 15;144(1):268–72

Novel polypeptides encoded by influenza virus subgenomic (DI type) virion RNAs. Penn CR, et al. **Virus Res** 1985 Nov;3(4):311–21

IMMUNOLOGY

Virion polypeptide specificity of immune complexes and antibodies in cats inoculated with feline infectious peritonitis virus. Horzinek MC, et al. **Am J Vet Res** 1986 Apr;47(4):754–61

Antigenic structure of transmissible gastroenteritis virus. I. Properties of monoclonal antibodies directed against virion proteins. Laude H, et al. **J Gen Virol** 1986 Jan;67 (Pt 1):119–30

[Demonstration of ligands for antibodies against the M protein on the virion surface of the Newcastle disease virus (NDV)] Dumanova L, et al. **Vet Med Nauki** 1986;23(2):3–8 (Eng. Abstr.) **(Bul)**

[Immunogenicity and the protective effectiveness of the subunit trivalent influenza vaccine Grippovac] Chumakov MP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Feb; (2):44–9 (Eng. Abstr.) **(Rus)**

[Immune response of noninbred mice to subvirion influenza vaccines with various antigen and sorbent loads] Evdokimova IV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Aug;(8):51–4 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Electron microscopic detection of virus particles in the rhino mouse. Churchwell MA, et al. **Am J Med Sci** 1986 May; 291(5):314–20

Electron microscopic demonstration of virus particles in hand, foot and mouth disease. Haneke E. **Dermatologica** 1985;171(5):321–6

Attempts to label bovine enterovirus with 32P. Hamada N, et al. **Kurume Med J** 1985;32(2):95–8

Coronavirus-, calicivirus-, and astrovirus-like particles associated with acute porcine gastroenteritis. Shirai J, et al. **Nippon Juigaku Zasshi** 1985 Dec;47(6):1023–6

Characterization of New Jersey vesicular stomatitis virus isolates from horses and black flies during the 1982 outbreak in Colorado. Schnitzlein WM, et al. **Virology** 1985 Apr 30;142(2):426–31

[Identification of C or D virus-type particles in the germinal centers of lymph nodes sampled at the lymphadenopathy stage of the acquired immunodeficiency syndrome (letter)] Le Tourneau A, et al. **Presse Med** 1986 Jan 25;15(3):121 (Fre)

[Nature of the endogenous retrovirus-like particles of the rat liver] Korokhov NP, et al. **Eksp Onkol** 1986;8(2):29–32 (Eng. Abstr.) **(Rus)**

METABOLISM

Fusion of Sendai virions or reconstituted Sendai virus envelopes with liposomes or erythrocyte membranes lacking virus receptors. Citovsky V, et al. **J Biol Chem** 1985 Oct 5;260(22):12072–7

Viral particles induce Ia antigen expression on astrocytes. Massa PT, et al. **Nature** 1986 Apr 10–16;320(6062):543–6

The 10K virion phosphoprotein encoded by gene US9 from herpes simplex virus type 1. Frame MC, et al. **Virology** 1986 Apr 30;150(2):321–32

PHYSIOLOGY

Some physico-chemical and biological properties of egg-Sendai virus with altered haemagglutinin-neuraminidase protein. Popa LM, et al. **Acta Virol (Praha)** 1985 Dec;29(6):461–5

Fusion of Sendai virions with phosphatidylcholine-cholesterol liposomes reflects the viral activity required for fusion with biological membranes. Citovsky V, et al. **FERS Lett** 1985 Dec 2; 193(2):135–40

RADIATION EFFECTS

Vaccinia virus proteins on the plasma membranes of infected cells. IV. Studies employing L cells infected with ultraviolet-irradiated vaccinia virions. Domber E, et al. **Virology** 1986 Jul 30;152(2):331–42

ULTRASTRUCTURE

Mutual spatial orientation of hexons in the adenovirus capsid by electron microscopy and modelling. Adám E, et al. **Acta Microbiol Hung** 1985;32(4):399–412

Ultrastructural characterization of novel intracisternal virus-like particles associated with a spontaneous subcutaneous tumor from a Japanese wild mouse, Mus musculus molossinus (Mon/Nm). Hoshino M, et al. **J Electron Microsc (Tokyo)** 1985;34(4):389–97

Virus-like particles in the taste buds of the circumvallate papilla of the rat. Toyoshima K, et al. **J Electron Microsc (Tokyo)** 1982;31(3):273–5

A systematic method for aligning double-focusing mirrors. Phillips WC, et al. **Methods Enzymol** 1985;114:316–29

Three-dimensional reconstruction of the shape of human wart virus using spatial correlations. Kam Z, et al. **Ultramicroscopy** 1985;17(3):251–62

[Intracellular appearance, morphological feature and properties of Aspergillus niger virus] Liu HD, et al. **Wei Sheng Wu Hsueh Pao** 1985 Jun;25(2):108–14 (Eng. Abstr.) **(Chi)**

VIROIDS

ANALYSIS

Ultraviolet light-induced crosslinking reveals a unique region of local tertiary structure in potato spindle tuber viroid and HeLa 5S RNA. Branch AD, et al. **Proc Natl Acad Sci USA** 1985 Oct;82(19):6590–4

GENETICS

Enhanced resolution of circular and linear molecular forms of viroid and viroid-like RNA by electrophoresis in a discontinuous-pH system. Rivera-Bustamante RF, et al. **Anal Biochem** 1986 Jul;156(1):91–5

In vitro mutagenesis of infectious viroid cDNA clone. Ishikawa M, et al. **J Biochem (Tokyo)** 1985 Dec; 98(6):1615–20

Viroid processing: a model involving the central conserved region and hairpin I. Diener TO. **Proc Natl Acad Sci USA** 1986 Jan;83(1):58–62

Viroids and virusoids are related to group I introns. Dinter-Gottlieb G. **Proc Natl Acad Sci USA** 1986 Sep; 83(17):6250–4

Viroids may be escaped introns [news] Lewin R. **Science** 1986 Sep 26;233(4771):1384

ISOLATION & PURIFICATION

The electrophoretic analysis of low molecular weight nucleic acids from Crohn's disease tissues in the search for an unconventional small infectious agent. Brief report. Butcher PD, et al. **Arch Virol** 1986;88(1–2):113–20

Detection of citrus exocortis viroid in crude extracts by dot-blot hybridization: conditions for reducing spurious hybridization results and for enhancing the sensitivity of the technique. Flores R. **J Virol Methods** 1986 May; 13(2):161–9

VIROLOGY

METHODS

Software library with applications in virology and molecular biology. Campione-Piccardo J. **J Virol Methods** 1986 Jun; 13(3):191–5

[Mathematical planning of an experiment in virology] Churnosov EV, et al. **Vopr Virusol** 1985 Sep–Oct; 30(5):626–31 **(Rus)**

TRENDS

[Trends in modern virology—virus research in Japan and the rest of the world from the point of view of publication] Hamaguchi M, et al. **Uirusu** 1985 Jun;35(1):35–46 **(Jpn)**

VIRUS ACTIVATION

Polypeptide analysis with monoclonal antibodies of A type inclusion bodies induced by cowpox virus. Kitamoto N, et al. **Arch Virol** 1986;89(1–4):15–28

Fibrin glue safety: inactivation of potential viral contaminants by pasteurization of the human plasma components. Hilfenhaus J, et al. **Arzneimittelforschung** 1985; 35(11):1617–9

Epstein-Barr virus activation by human semen principle: synergistic effect of culture fluids of bacteria isolated from patients with carcinoma of uterine cervix. Zeng Y, et al. **Cancer Lett** 1985 Sep 30;28(3):311–5

A transcriptional enhancer sequence of HTLV-I is responsible for trans-activation mediated by p40 chi HTLV-I. Fujisawa J, et al. **EMBO J** 1986 Apr;5(4):713–8

Experimental reactivation of equid herpesvirus 1 (EHV 1) following the administration of corticosteroids. Edington N, et al. **Equine Vet J** 1985 Sep;17(5):369–72

Equid herpesvirus 1 (EHV 1) latency: more questions than answers [editorial] Mumford JA. **Equine Vet J** 1985 Sep; 17(5):340–2

Cellular DNA synthesis associated with activation of latent herpes simplex virus in cell culture. Vonka V, et al. **Intervirology** 1986;25(3):144–50

Spread of HSV and establishment of latency after corneal infection in inbred mice. Abghari SZ, et al. **Invest Ophthalmol Vis Sci** 1986 Jan;27(1):77–82

The source of murine cytomegalovirus in mice receiving kidney allografts. Klotman ME, et al. **J Infect Dis** 1985 Dec;152(6):1192–6

Fatal reactivation of chronic hepatitis B. De Cock KM, et al. **JAMA** 1986 Sep 12;256(10):1329–31

Analysis of an activatable promoter: sequences in the simian virus 40 late promoter required for T-antigen-mediated trans activation. Keller JM, et al. **Mol Cell Biol** 1985 Aug; 5(8):1859–69

AIDS virus: more and better trans-activation [news] Burny A. **Nature** 1986 May 22–28;321(6068):378

Post-transcriptional regulation accounts for the trans-activation of the human T-lymphotropic virus type III. Rosen CA, et al. **Nature** 1986 Feb 13–19; 319(6054):555–9

A genetic approach to promoter recognition during trans induction of viral gene expression. Coen DM, et al. **Science** 1986 Oct 3;234(4772):53–9

Induction of HTLV-III/LAV from a nonvirus-producing T-cell line: implications for latency. Folks T, et al. **Science** 1986 Feb 7;231(4738):600–2

Activation of the AIDS retrovirus promoter by the cellular transcription factor, Sp1. Jones KA, et al. **Science** 1986 May 9;232(4751):755–9

Inactivation of viruses in labile blood derivatives. II. Physical methods. Horowitz B, et al. **Transfusion** 1985 Nov–Dec; 25(6):523–7

[Activation of human endogenous retrovirus genes in tumors and in reproductive tissues] Vaheri A. **Duodecim** 1986; 102(4):209–15 **(Fin)**

[Transactivation of the long terminal repeat promoter of the bovine leukemia virus in infected cells] Bychko VV, et al. **Dokl Akad Nauk SSSR** 1986 Jan–Feb;286(1):221–3 **(Rus)**

[Expression of Pseudomonas aeruginosa phage transposons in Pseudomonas putida PpG1 cells. II. Zygotic induction—a necessary condition for the formation of defective lysogens] Gorbunova SA, et al. **Genetika** 1985 Dec;21(12):1937–44 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Search for possible antitumor promoters by inhibition of 12-O-tetradecanoylphorbol-13-acetate-induced Epstein-Barr virus activation; ursolic acid and oleanolic acid from an anti-inflammatory Chinese medicinal plant, Glechoma hederacese L. Ohigashi H, et al. **Cancer Lett** 1986 Feb;30(2):143–51

Epstein-Barr virus-inducing activity of Euphorbiaceae plants commonly grown in Cameroon. Ohigashi H, et al. **Cancer Lett** 1985 Sep 15;28(2):135–41

Benzo[a]pyrene diol epoxide induces viral reactivation at concentrations that block DNA elongation in mammalian cells. Bowden GT, et al. **Chem Biol Interact** 1986 Jun; 58(3):333–44

Coinhibition of viral interferon induction by benzo[a]pyrene and chrysotile asbestos. Hahon N, et al. **Environ Res** 1986 Jun;40(1):103–9

Induction of endogenous xenotropic retrovirus expression by the tumor promoter 12-O-tetradecanoylphorbol-13-acetate. Suk WA, et al. **In Vitro Cell Dev Biol** 1986 May;22(5):253–8

The development of an improved murine iontophoresis reactivation model for the study of HSV-1 latency. Gordon YJ, et al. **Invest Ophthalmol Vis Sci** 1986 Aug;27(8):1230–4

Interaction of aflatoxin B1 with bacterial DNA: possible relationship to bacteriophage induction in lysogenic Bacillus megaterium. Whittaker BL, et al. **J Environ Pathol Toxicol Oncol** 1986 Mar–Apr; 6(3–4):295–304

Effects of mixed-function oxidase and aflatoxin B1 on lysogenic and indicator strains of Bacillus subtilis. Whittaker BL, et al. **J Environ Pathol Toxicol Oncol** 1986 Mar–Apr;6(3–4):327–37

Micro-BIA, a colorimetric microtiter assay of lambda prophage induction. Elespuru RK, et al. **Mutat Res** 1986 Feb;164(1):31–40

Arginine reversion and lambda induction in E. coli with benzothiadiazine diuretics irradiated with near-ultraviolet light. Fujita H. **Mutat Res** 1985 Dec;158(3):135–9

Prophage induction and filamentation in Bacillus thuringiensis caused by the genotoxic mycotoxin aflatoxin B1. Auffray Y, et al. **Mycopathologia** 1985 Sep;91(3):159–63

Inactivation of viruses in labile blood derivatives. I. Disruption of lipid-enveloped viruses by tri(n-butyl)phosphate detergent combinations. Horowitz B, et al. **Transfusion** 1985 Nov–Dec;25(6):516–22

RADIATION EFFECTS

Comparative studies of host-cell reactivation, cellular capacity and enhanced reactivation of herpes simplex virus in normal, xeroderma pigmentosum and Cockayne syndrome fibroblasts. Ryan DK, et al. **Mutat Res** 1986 Jul; 166(1):99–111

VIRUS CULTIVATION

see related
TISSUE CULTURE

Optimization of the BGM cell line culture and viral assay procedures for monitoring viruses in the environment. Dahling DR, et al. **Appl Environ Microbiol** 1986 Apr; 51(4):790–812

Comparative susceptibilities of strain MRC-5 human embryonic lung fibroblast cells and the Cooney strain of human fetal tonsil cells for isolation of rhinoviruses from clinical specimens. Geist FC, et al. **J Clin Microbiol** 1985 Sep;22(3):455–6

A comparison of the susceptibility of three human gut tumour-derived differentiated epithelial cell lines, primary monkey kidney cells and human rhabdomyosarcoma cell line to 66-prototype strains of human enteroviruses. Patel JR, et al. **J Virol Methods** 1985 Dec;12(3–4):209–16

Isolation of human pathogenic viruses from clinical material on CaCo2 cells. Reigel F. **J Virol Methods** 1985 Dec; 12(3–4):323–7

Clarifying electron micrograph labeling [news] Marwick C. **JAMA** 1986 Jun 20;255(23):3212

METHODS

Serum free cultivation of lymphoid cells for virus and interferon production. Bjare U, et al. **Dev Biol Stand** 1985; 60:349–54

Production of herpesvirus of turkeys in microcarrier culturing system—a new method for production of vaccine against Marek's disease. Fiorentine D, et al. **Dev Biol Stand** 1985;60:421–30

Production of herpes simplex virus from MRC-5 cells grown in a glass bead culture system. Thornton B, et al. **Dev Biol Stand** 1985;60:475–81

Proper methods of culturing herpes simplex virus. Mead PB. **J Reprod Med** 1986 May;31(5 Suppl):390–4

Evaluation of chicken kidney and chicken embryo kidney cultures for the large-scale growth of attenuated influenza virus master strain A/Ann/Arbor/6/60-ca. Tannock GA, et al. **Vaccine** 1985 Sep;3(3):333–9

[Acetone-celloidin method for the cytological and immunofluorescent study of cell cultures infected with various viruses] Mitov B. **Vet Med Nauki** 1985;22(9):45–52 (Eng. Abstr.) **(Bul)**

VIRUS DISEASES

Our changing comprehension of infectious diseases. Pettay O. **Acta Psediatr Scand** 1986 Mar;75(2):193–7

Proceedings of the 1st International TNO Conference on Antiviral Research. 30 April to 3 May 1985, Rotterdam, The Netherlands. **Antiviral Res** 1985;Suppl 1:1–310

Neonatal infection. Bommen M. **Br J Hosp Med** 1986 Mar; 35(3):171, 174–7

Swiss Society of Microbiology. Reports of the 44th annual meeting. Abstracts. **Experientia** 1986 Jan 15;42(1):87–108

In pursuit of quarry, MS researchers draw on immunology, virology advances [news] Raymond CA. **JAMA** 1986 Aug 15;256(7):809–11, 815–6

Viruses in acute childhood encephalopathy [letter] Kennedy CR, et al. **Lancet** 1986 Aug 16;2(8503):405–6

Abstracts of papers presented at the session of the Virology Section of the Deutsche Gesellschaft für Hygiene und Mikrobiologie. Erlangen, March 27–30, 1985. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1985 Dec; 260(4):459–522

BLOOD

Interferon system in acute transient synovitis. Leibowitz E, et al. **Arch Dis Child** 1985 Oct;60(10):959–62

Lipids, lipoproteins, and apoproteins in serum during infection. Alvarez C, et al. **Clin Chem** 1986 Jan;32(1 Pt 1):142–5

Variations of interferon inactivators and/or inhibitors in

human serum and their relationship to interferon therapy. Havredaki M, et al. **Jpn J Med Sci Biol** 1985 Jun; 38(3):107–11

[Disseminated intravascular coagulation in children with severe infections] Niżnikowska-Marks MJ. **Wiad Lek** 1985 Jun 15;38(12):853–60 (16 ref.) (Pol)

[Indices of the blood kinin system and their kontrikal correction in acute respiratory viral infections with an obstructive bronchial syndrome in young infants] Anokhin VA, et al. **Pediatriia** 1985 Aug;(8):63–4 (Rus)

CEREBROSPINAL FLUID

Types of interferons detected in cerebrospinal fluid from patients with viral infections of the central nervous system [letter] Miyazu M, et al. **J Infect Dis** 1985 Nov; 152(5):1098–9

COMPLICATIONS

Demyelinating processes of viral nature and ways for investigate their etiology and pathogenesis. Konovalov GV. **Acta Neurol (Napoli)** 1985 Jun–Aug;7(3–4):300–1

Reye syndrome and salicylates: update for pharmacists. Bess DT, et al. **Am Pharm** 1986 Feb;NS26(2):16–7, 20–2

Cold urticaria and virus infections: a clinical and serological study in 39 patients. Doeglas HM, et al. **Br J Dermatol** 1986 Mar;114(3):311–8

Recurrent viral infections in patients with past or present atopic dermatitis. Rystedt I, et al. **Br J Dermatol** 1986 May; 114(5):575–82

Viral infection in patients with multiple sclerosis and HLA-DR matched controls. Compston DA, et al. **Brain** 1986 Apr;109 (Pt 2):325–44

Pathogens in children with severe combined immune deficiency disease or AIDS. Lauzon D, et al. **Can Med Assoc J** 1986 Jul 1;135(1):33–8

Immunological and microbiological factors in the pathogenesis of atherosclerosis. Lopes-Virella MF, et al. **Clin Immunol Immunopathol** 1985 Dec;37(3):377–86

Perspectives on the role of viruses in insulin-dependent diabetes. Yoon JW, et al. **Diabetes Care** 1985 Sep–Oct;8 Suppl 1:39–44

New developments in infectious diarrhea. Quinn TC, et al. **DM** 1986 Apr;32(4):165–244 (76 ref.)

Viruses, neurodevelopmental disorder and childhood psychosis. Nunn KP, et al. **J Child Psychol Psychiatry** 1986 Jan;27(1):55–64

Attempted isolation of viruses from myasthenia gravis thymus. Klavinskis LS, et al. **J Neuroimmunol** 1986 Jun; 11(4):287–99

Viral infection in cystic fibrosis. Stroobant J. **J R Soc Med** 1986;79 Suppl 12:19–22 (34 ref.)

Simple febrile convulsions—a transient viral encephalopathy. Aiyathurai JE, et al. **J Singapore Paediatr Soc** 1985; 27(3–4):194–9

Mycoplasma pneumoniae and viral infections in childhood asthma. Teo J, et al. **J Trop Pediatr** 1986 Apr;32(2):87–9

Viruses in acute childhood encephalopathy [letter] Stewart GT. **Lancet** 1986 Jul 5;2(8497):40

MRI in children with postinfectious disseminated encephalomyelitis. Dun V, et al. **Magn Reson Imaging** 1986; 4(1):25–32

Spontaneous infection or vaccination as cause of acute disseminated encephalomyelitis. Murphy J, et al. **Neuroepidemiology** 1985;4(3):138–45

Insulin-dependent diabetes: a possible viral disease. Saggese G, et al. **Pediatrician** 1983–85;12(4):179–93 (64 ref.)

Is schizophrenia a viral or immunologic disorder? DeLisi LE, et al. **Psychiatr Clin North Am** 1986 Mar;9(1):115–32 (170 ref.)

[Genetic and immunologic aspects of synovitis after viral infection] Hrnčířová L, et al. **Vnitr Lek** 1985 Sep; 31(9):838–43 (Eng. Abstr.) (Cze)

[Transient remission after viral infection in 3 patients with chronic autoimmune thrombopenia] Tertian G, et al. **Nouv Rev Fr Hematol** 1986;28(1):11–4 (Eng. Abstr.) (Fre)

[Exanthemas of infectious origin in childhood] Kabus K. **Ther Umsch** 1986 Jul;43(7):530–6 (Eng. Abstr.) (Ger)

[The viral hypothesis of the etiology of multiple sclerosis] Lavi E. **Harefuah** 1985 Oct;109(7–8):197–201 (45 ref.) (Heb)

[Viral infections and diabetic disease] Mandas R, et al. **G Batteriol Virol Immunol** 1985 Jan–Jun;78(1–6):60–9 (Eng. Abstr.) (Ita)

[Viral hypothesis of schizophrenia. Search for the insanity germ, in archeology and psychiatric futurology] Stella A, et al. **Minerva Psichiatr** 1986 Apr–Jun;27(2):145–59 (135 ref.) (Eng. Abstr.) (Ita)

[The viral hypothesis in the etiopathogenesis of lupus diseases] Geavlete A, et al. **Rev Med Interna [Med Interna]** 1985 Jul–Aug;37(4):301–8 (27 ref.) (Rum)

[Role of viral and bacterial infections in children with pseudotuberculosis] Bystriakova LV, et al. **Pediatriia** 1986 Mar;(3):14–6 (Eng. Abstr.) (Rus)

[Toxemia in acute infectious diseases in young children] Cheburkin AV. **Pediatriia** 1986 Jan;(1):41–3 (Rus)

[Features of the course of combined mycoplasma-viral infection in children] Mokhammed AM, et al. **Pediatriia** 1985 Nov;(11):60–1 (Rus)

[Pathogenesis of virus-induced diabetes (a review of the literature)] Zhurba TB, et al. **Vrach Delo** 1985 Oct;(10):1–5 (77 ref.) (Rus)

CONGENITAL

Prospective serological and clinical studies on infants born in Kuwait with an elevated IgM in cord blood. Al-Nakib W, et al. **Bull WHO** 1985;63(4):745–50

DIAGNOSIS

Rapid diagnosis of viral infections: a new challenge for the pediatrician. Nahmias A, et al. **Adv Pediatr** 1985;32:507–25 (21 ref.)

Fever of undetermined origin: not what it used to be. Smith JW. **Am J Med Sci** 1986 Jul;292(1):56–64

C reactive protein in the evaluation of febrile illness. Putto A, et al. **Arch Dis Child** 1986 Jan;61(1):24–9

Viral myocarditis simulating dilated cardiomyopathy in early childhood: evaluation by serial echocardiography. Weinhouse E, et al. **Br Heart J** 1986 Jul;56(1):94–7

Rapid diagnosis of virus diseases. Flewett TH. **Br Med Bull** 1985 Oct;41(4):315–21 (64 ref.)

Monoclonal antibodies for the diagnosis of sexually transmitted diseases. Goldstein LC, et al. **Clin Lab Med** 1985 Sep;5(3):575–88 (33 ref.)

Nucleic acid hybridization in the diagnosis of viral infections. Landry ML, et al. **Clin Lab Med** 1985 Sep;5(3):513–29 (66 ref.)

The diagnosis of infectious diseases: antigen detection. Ireland, May 1985. **Diagn Microbiol Infect Dis** 1986 Mar; 4(3 Suppl):1S–166S

Clinical considerations in the diagnosis of viral respiratory infections. Cates KL. **Diagn Microbiol Infect Dis** 1986 Mar; 4(3 Suppl):23S–33S (46 ref.)

Rapid diagnosis of respiratory virus infections in patients with acute respiratory disease. Habermehl KO. **Diagn Microbiol Infect Dis** 1986 Mar;4(3 Suppl):17S–22S

Immunoassays for the diagnosis of viral enteric pathogens. Yolken RH, et al. **Diagn Microbiol Infect Dis** 1986 Mar; 4(3 Suppl):61S–69S (27 ref.)

Evaluation of cell line 293 for virus isolation in routine viral diagnosis. Brown M, et al. **J Clin Microbiol** 1986 Apr; 23(4):704–8

Analysis of viral infections by in situ hybridization. Haase AT. **J Histochem Cytochem** 1986 Jan;34(1):27–32

Rapid diagnosis of viral infections by an alkaline phosphatase immunocytochemical method. Musiani M, et al. **J Immunol Methods** 1986 Apr 17;88(2):255–8

Antigen detection in the diagnosis of Norwalk virus gastroenteritis [letter] Herrmann JE, et al. **J Infect Dis** 1986 Sep;154(3):547–8

Virus-associated hemophagocytic syndrome or malignant histiocytosis? [letter] Davson J. **J Pediatr** 1985 Dec; 107(6):989

A major role for viruses in acute childhood encephalopathy. Kennedy CR, et al. **Lancet** 1986 May 3;1(8488):989–91

Virus diagnosis: a novel use for the protein A–gold probe. Beesley JE, et al. **Med Lab Sci** 1985 Apr;42(2):161–5

DNA probes for microbial diagnosis. Highfield PE, et al. **Med Lab Sci** 1985 Oct;42(4):352–60 (67 ref.)

Studies of virus-infected cells by nuclear magnetic resonance. Valensin PE, et al. **Med Lab Sci** 1985 Oct;42(4):399–403

External quality assessment in serological diagnostic virology in Norway 1982–84. von Kraemer M. **NIPH Ann** 1986 Jun; 9(1):33–9

Infectious retinitis. Diagnostic modalities. Pepose JS. **Ophthalmology** 1986 May;93(5):570–3

Rapid diagnosis of viral infections with fluorescent antisera. Hallsworth PG, et al. **Pathology** 1985 Oct;17(4):629–32

Rapid viral diagnosis [editorial] Waters MJ, et al. **Pathology** 1986 Jan;18(1):3–4

Other viruses with etiologic roles in childhood gastroenteritis. Barnett BB. **Pediatr Infect Dis** 1986 Jan–Feb;5(1 Suppl):S75–82

Immunoassays for the diagnosis and study of viral gastroenteritis. Yolken RH, et al. **Pediatr Infect Dis** 1986 Jan–Feb;5(1 Suppl):S46–52

Acute exanthems in children. Clues to differential diagnosis of viral disease. Bligard CA, et al. **Postgrad Med** 1986 Apr; 79(5):150–54, 159–67

Rapid viral diagnosis by immunofluorescence reactions. Athanasiu P. **Virologie** 1985 Oct–Dec;36(4):295–301 (39 ref.)

Value of serological tests in the diagnosis of viral acute respiratory infections in adults. Căruntu F, et al. **Virologie** 1986 Apr–Jun;37(2):83–7

Principles of nucleic acid hybridization and comparison with monoclonal antibody technology for the diagnosis of infectious diseases. Edberg SC. **Yale J Biol Med** 1985 Sep–Oct;58(5):425–42

[Current role of ELISA methods in bacteriology and virology] Ramuz M. **Ann Biol Clin (Paris)** 1985;43(2):163–5 (Eng. Abstr.) (Fre)

[Viral serology in ear diseases of presumably neuritic origin] Martin C, et al. **Ann Otolaryngol Chir Cervicofac** 1986; 103(1):35–8 (Eng. Abstr.) (Fre)

[Possibilities in the virological laboratory diagnosis of CNS infections] Doerr HW. **Immun Infekt** 1986 Jul;14(4):131–4 (Eng. Abstr.) (Ger)

[Diagnosis of subacute, chronic and slow-virus induced CNS diseases] Enders G. **Immun Infekt** 1986 Jul;14(4):135–42 (Eng. Abstr.) (Ger)

[Viral respiratory infections in children: new diagnostic methods for early detection. Initial results of a pilot project in Switzerland] Schopfer K, et al. **Schweiz Med Wochenschr** 1986 Apr 19;116(16):502–7 (Eng. Abstr.) (Ger)

[Progress in virologic diagnosis and its clinical relevance] Sandow D. **Z Gesamte Inn Med** 1985 Nov 15;40(22):661–4 (Eng. Abstr.) (Ger)

[Rapid electron optical diagnosis of skin viral diseases] Wolff HH. **Z Hautkr** 1985 Nov 15;60(22):1758–62 (Eng. Abstr.) (Ger)

[New viral infections and the acquired immunodeficiency syndrome] Zhdanov VM, et al. **Sov Med** 1985;(10):41–6 (66 ref.) (Rus)

[Problems of pulmonology and scientific-technical progress] Sil'vestrov VP. **Ter Arkh** 1986;58(4):3–8 (Rus)

[Use of the sensitized latex agglutination reaction for diagnosing viral infections] Chaika NA, et al. **Vopr Virusol** 1985 Sep–Oct;30(5):516–23 (89 ref.) (Rus)

[Procedures for enhancing the sensitivity of the counterimmunoelectro-osmophoresis method in diagnosing viral infections] Gudkov VG, et al. **Vopr Virusol** 1985 Jul–Aug;30(4):486–8 (Rus)

[Convulsive syndrome in infectious-toxic lesions of the brain in children] Chichinadze SN. **Zh Nevropatol Psikhiatr** 1985; 85(10):1483–6 (Eng. Abstr.) (Rus)

[Diagnosis of viral infections by laboratory methods] Calicó I. **Med Clin (Barc)** 1986 May 24;86(20):854–8 (Spa)

[Usefulness of cell cultures in the diagnosis of viral infections. Experience in a hospital laboratory in the last 6 years] Calicó I, et al. **Med Clin (Barc)** 1986 May 24;86(20):834–7 (Eng. Abstr.) (Spa)

[Laboratory diagnosis in sexually transmitted viral diseases. Its importance in medical practice] Camacho F, et al. **Med Cutan Ibero Lat Am** 1985;13(2):167–74 (Eng. Abstr.) (Spa)

DRUG THERAPY

Chemotherapy of respiratory viruses. Knight V, et al. **Adv Intern Med** 1986;31:95–118 (72 ref.)

Efficacy, toxicology and clinical applications of ribavirin against virulent RNA viral infections. Canonico PG. **Antiviral Res** 1985;Suppl 1:75–81

Recent trends and development in antiviral chemotherapy. De Clercq E. **Antiviral Res** 1985;Suppl 1:11–9 (52 ref.)

The need for new antiviral agents. Freestone DS. **Antiviral Res** 1985 Dec;5(6):307–24 (60 ref.)

Clinical applications of antiviral agents for chemophrophylaxis and therapy of respiratory viral infections. Hayden FG. **Antiviral Res** 1985;Suppl 1:229–39 (44 ref.)

Basic biochemical and pharmacological aspects of antiviral agents. Prusoff WH, et al. **Antiviral Res** 1985;Suppl 1:1–10 (22 ref.)

The preclinical development of Roferon-A. Trown PW, et al. **Cancer** 1986 Apr 15;57(8 Suppl):1648–56

Treatment of infectious complications of acquired immunodeficiency syndrome. Furio MM, et al. **Clin Pharm** 1985 Sep–Oct;4(5):539–54 (146 ref.)

Interferon and ocular virus disease. Raju VK. **Indian J Ophthalmol** 1984 Sep–Oct;32(5):429–31 (12 ref.)

Skin diseases: current concepts, therapy. 5. Virus infections. Potter B. **Indiana Med** 1985 Nov;78(11):1004–6

Current leads in antiviral chemotherapy. De Clercq E. **J Antimicrob Chemother** 1986 Apr;17(4):399–402 (42 ref.)

Pyrimidinones. 1. 2-Amino-5-halo-6-aryl-4(3H)-pyrimidinones. Interferon-inducing antiviral agents. Skulnick HI, et al. **J Med Chem** 1985 Dec;28(12):1864–9

Current concepts of antiviral therapy. Neihart RE, et al. **Kans Med** 1986 May;87(5):136–8, 142

Ribavirin: beginning the blitz on respiratory viruses? Hall CB. **Pediatr Infect Dis** 1985 Nov–Dec;4(6):668–71

Changing epidemiology of Reye syndrome in the United States. Barrett MJ, et al. **Pediatrics** 1986 Apr;77(4):598–602

Antiviral therapy. New drugs and their uses. Bean B. **Postgrad Med** 1986 Jul;80(1):109–10, 113–4, 117–20

[Antibiotics in the treatment of exacerbations in patients with chronic bronchitis] Hansen M. **Ugeskr Laeger** 1986 Jan 20; 148(4):191–3 (29 ref.) (Dan)

[Viral chemotherapy in 1986] Vildé JL. **Presse Med** 1986 May 24;15(21):955–6 (Fre)

[Biological effect of interferons and their possible therapeutic use] Stelzner A. **Dermatol Monatsschr** 1986;172(1):1–8 (Eng. Abstr.) (Ger)

[Chemotherapy of virus diseases] Mertens T, et al. **Dtsch Med Wochenschr** 1986 Mar 7;111(10):387–8 (Ger)

[Human alpha leukocyte interferon. Preliminary results of a pilot study on the treatment of virus dermatoses] Vennemann F, et al. **Fortschr Med** 1985 Nov 14; 103(42):977–80 (Eng. Abstr.) (Ger)

[Antiviral chemotherapy] Eggers HJ. **Monatsschr Kinderheilkd** 1986 Mar;134(3):122–9 (Eng. Abstr.) (Ger)

[Antiviral chemotherapy] Clement B. **Pharm Unserer Zeit** 1986 May;15(3):72–84 (Ger)

[Evaluation of levamisole as an interferon inducer in young infants with respiratory viral infections] Ralnite-Audinene AB, et al. **Pediatriia** 1985 Sep;(9):38–40 (Eng. Abstr.) (Rus)

[New treatment strategy in viral diseases] Degtiarenko VI. **Vopr Virusol** 1985 Jul–Aug;30(4):494–9 (125 ref.) (Rus)

ENZYMOLOGY

Enhanced level of double-stranded RNA-dependent protein kinase in peripheral blood mononuclear cells of patients with viral infections. Buffet-Janvresse C, et al. **J Interferon Res** 1986 Apr;6(2):85-96

ETIOLOGY

Viral infections in renal transplant recipients: an evolutionary problem. Charpentier B. **Adv Nephrol** 1986;15:353-78 (111 ref.)

[The bacterial, parasitic and viral etiological spectrum in gynecological infections] Marx M, et al. **Rev Ig [Bacteriol]** 1985 Apr-Jun;30(2):141-8 (Rum)

[Viral myocarditis (the etiologic, clinical, diagnostic and treatment problems)] Novikov IuI, et al. **Ter Arkh** 1985; 57(9):49-56 (Eng. Abstr.) (Rus)

[Etiological structure of acute respiratory diseases in organized groups] Semenenko TA, et al. **Voen Med Zh** 1986 Feb;(2):29-31 (Rus)

FAMILIAL & GENETIC

Interferon and micRNA in cellular defence [letter] Giunta S, et al. **Nature** 1985 Nov 21-27;318(6043):237

HISTORY

Ancient history of viral diseases in man. Matumoto M. **Kitasato Arch Exp Med** 1985 Jun;58(1-2):1-11

IMMUNOLOGY

Serological evidence for the role of bacterial infections in the pathogenesis of thyroid diseases. Valtonen VV, et al. **Acta Med Scand** 1986;219(1):105-11

Studies on immunoglobulins and specific antibodies in central nervous system infections. Forsberg P. **Acta Neurol Scand [Suppl]** 1986;105:1-76

Viral findings in children under the age of two years with expiratory difficulties. Korppi M, et al. **Acta Paediatr Scand** 1986 May;75(3):457-64

The protective role of endogenous interferon in viral, bacterial, and protozoal infections. Baron S, et al. **Antiviral Res** 1985;Suppl 1:173-83 (70 ref.)

Pattern of infection and selective loss of Ia positive cells in suckling and adult mice inoculated with lactic dehydrogenase virus. Inada T, et al. **Arch Virol** 1985; 86(3-4):151-65

Immunological aspects of virology. WHO Working Group. **Bull WHO** 1985;63(5):813-20

Nonspecific immunostimulation against viruses. Mallick BB, et al. **Comp Immunol Microbiol Infect Dis** 1985;8(1):53-63

Distortion of cell functions by noncytotoxic viruses. Oldstone MB. **Hosp Pract [Off]** 1986 Jul 15;21(7):82-92

Genetic aspects of macrophage involvement in natural resistance to virus infections. Mogensen SC. **Immunol Lett** 1985;11(3-4):219-24 (34 ref.)

Viral infections in domestic animals as models for studies of viral immunology and pathogenesis. Bielefeldt Ohmann H, et al. **J Gen Virol** 1986 Jan;67 (Pt 1):1-25 (249 ref.)

Polynucleotide antibodies in connective tissue disease: viral markers or disease mediators? Spencer-Green G, et al. **J Lab Clin Med** 1986 Feb;107(2):159-65

Rheumatoid factors in sera of Thai patients with various infectious diseases. Banchuin N, et al. **J Med Assoc Thai** 1986 Jan;69(1):10-5

Tumorigenicity of persistently infected tumors in nude mice is a function of both virus and host cell type. VandePol SB, et al. **J Virol** 1986 Jun;58(3):914-20

Apoptosis, lymphocytotoxicity and the containment of viral infections. Clouston WM, et al. **Med Hypotheses** 1985 Dec; 18(4):399-404

Neutrophils and antiviral defense. Faden H, et al. **Pediatr Infect Dis** 1986 Jan-Feb;5(1):86-92 (89 ref.)

Genetically controlled resistance to virus infections of the central nervous system. Roos RP. **Prog Med Genet** 1985; 6:241-76 (148 ref.)

Viruses, brain and immunosuppression. Gannicliffe A, et al. **Psychol Med** 1986 May;16(2):247-9

[Are immune diseases chronic infections?] Valtonen V. **Duodecim** 1986;102(11):724-8 (Fin)

[Autoimmunity and viral infections in type-I diabetes mellitus] Helmke K, et al. **Dtsch Med Wochenschr** 1986 Mar 7;111(10):369-73 (Eng. Abstr.) (Ger)

[Host defense mechanism in virus infections] Mori R. **Rinsho Byori** 1986 Jan;34(1):26-30 (9 ref.) (Jpn)

[Correlations between serum IgA and IgD levels in healthy children and in children with various frequently-occurring infectious diseases] Jankowski A. **Pediatr Pol** 1985 Sep; 60(9):638-41 (Eng. Abstr.) (Pol)

[Humoral and cellular immunity in perimyocarditis and congestive cardiomyopathy] Maisch B, et al. **Kardiologia** 1985 Jun;25(6):95-102 (Eng. Abstr.) (Rus)

[Effect of a number of therapeutic agents on immunity and nonspecific reactivity in respiratory viral infections in children] Ivanova VV, et al. **Pediatriia** 1985 Sep;(9):35-8 (Eng. Abstr.) (Rus)

[Immunological indices of children with acute respiratory viral diseases, pneumonia, thymomegaly and an x-ray detectable thymus gland] Nasrullaeva G. **Pediatriia** 1985 Aug;(8):63 (Rus)

[Natural killers and interferon in complicated influenza and other acute respiratory viral diseases in children] Ursaki LP, et al. **Vopr Virusol** 1985 Nov-Dec;30(6):680-4 (Eng. Abstr.) (Rus)

[Bronchial hyperreactivity and viral respiratory infection] Artaza O, et al. **Bol Med Hosp Infant Mex** 1986 Feb; 43(2):137-43 (60 ref.) (Eng. Abstr.) (Spa)

[Monoclonal antibodies in diseases of viral origin] Aguilar Setién A, et al. **Salud Publica Mex** 1985 May-Jun; 27(3):251-9 (43 ref.) (Eng. Abstr.) (Spa)

METABOLISM

Nasal interferon responses in leukaemia. Taylor CE, et al. **Arch Dis Child** 1985 Sep;60(9):829-31

MICROBIOLOGY

Virus-related pathology: is the continued presence of the virus necessary? Huppert J, et al. **Adv Virus Res** 1986; 31:357-85 (163 ref.)

Kasokero virus: a new human pathogen from bats (Rousettus aegyptiacus) in Uganda. Kalunda M, et al. **Am J Trop Med Hyg** 1986 Mar;35(2):387-92

Relevance of studies of cellular receptors to the prevention and control of viral disease: memorandum from a WHO meeting. **Bull WHO** 1985;63(6):1009-12

Respiratory infection: the disease. Lode H. **Clin Ther** 1985; 7 Suppl A:1-18

An eight-year study of the viral agents of acute gastroenteritis in humans: ultrastructural observations and seasonal distribution with a major emphasis on coronavirus-like particles. Payne CM, et al. **Diagn Microbiol Infect Dis** 1986 May;5(1):39-54

Susceptibility of endothelial cells derived from different blood vessels to common viruses. Friedman HM, et al. **In Vitro Cell Dev Biol** 1986 Jul;22(7):397-401

Sensitive enzyme immunoassay for detecting immunoglobulin M antibodies to Sindbis virus and further evidence that Pogosta disease is caused by a western equine encephalitis complex virus. Calisher CH, et al. **J Clin Microbiol** 1985 Oct;22(4):566-71

Very rapid generation/amplification of defective interfering particles by vesicular stomatitis virus variants isolated from persistent infection. DePolo NJ, et al. **J Gen Virol** 1986 Jun;67 (Pt 6):1195-8

Radioimmunoassay for detection of the Snow Mountain Agent of viral gastroenteritis. Dolin R, et al. **J Med Virol** 1986 May;19(1):11-8

Detection of Norwalk virus in stools by enzyme immunoassay. Herrmann JE, et al. **J Med Virol** 1985 Oct; 17(2):127-33

Characterization of the Snow Mountain agent of viral gastroenteritis. Madore HP, et al. **J Virol** 1986 May; 58(2):487-92

Medical consequences of persistent viral infection. Southern P, et al. **N Engl J Med** 1986 Feb 6;314(6):359-67 (81 ref.)

Transmissible mink encephalopathy (TME) in Chinese hamsters: identification of two strains of TME and comparisons with scrapie. Kimberlin RH, et al. **Neuropathol Appl Neurobiol** 1986 Mar-Apr;12(2):197-206

Electron microscopic findings in faeces from children with gastroenteritis. Kuttner NS. **NZ Med J** 1985 Sep 25; 98(787):801-4

Overview of viral agents in pediatric enteric infections. Sidwell RW. **Pediatr Infect Dis** 1986 Jan-Feb;5(1 Suppl):S44-5

Detection of astrovirus-like in diarrhoeic stool and its coexistence with rotavirus. Nozawa CM, et al. **Rev Inst Med Trop Sao Paulo** 1985 Sep-Oct;27(5):238-41

An Otofuke-like virus associated with diarrhoea. Case report and electronmicroscopic study. O'Neill HJ, et al. **Ulster Med J** 1985 Apr;54(1):75-7

Differing responses of hamsters to infection by vesicular stomatitis virus Indiana and New Jersey serotypes. Fultz PN, et al. **Virus Res** 1985 Sep;3(2):129-40

OCCURRENCE

A foodborne outbreak of Norwalk virus gastroenteritis. Evidence for post-recovery transmission. White KE, et al. **Am J Epidemiol** 1986 Jul;124(1):120-6

Patterns of viral respiratory tract infections in Singapore. Doraisingham S, et al. **Ann Acad Med Singapore** 1986 Jan; 15(1):9-14

Norwalk like viruses: study of an outbreak. Spender QW, et al. **Arch Dis Child** 1986 Feb;61(2):142-7

Three-year survey of the epidemiology of rotavirus, enteric adenovirus, and some small spherical viruses including "Osaka-agent" associated with infantile diarrhea.Oishi I, et al. **Biken J** 1985 Jun;28(1-2):9-19

Viral diarrhoea. Davidson GP. **Clin Gastroenterol** 1986 Jan; 15(1):39-53 (69 ref.)

Infections in renal transplant recipients. Sharma RK, et al. **J Assoc Physicians India** 1985 Dec;33(12):757, 759, 761

Aetiology and epidemiology of acute gastro-enteritis in Swedish children. Uhnoo I, et al. **J Infect** 1986 Jul; 13(1):73-89

Snow Mountain agent associated with an outbreak of gastroenteritis in Vermont. Brondum J, et al. **J Infect Dis** 1985 Oct;152(4):834-7

Widespread outbreaks of clam- and oyster-associated gastroenteritis. Role of Norwalk virus. Morse DL, et al. **N Engl J Med** 1986 Mar 13;314(11):678-81

Sexually transmitted diseases: an overview. McMillan A. **Practitioner** 1985 Nov;229(1409):971-7

Norwalk virus outbreak at a college campus. Alexander WJ, et al. **South Med J** 1986 Jan;79(1):33-6, 40

Box-Jenkins modelling of some viral infectious diseases. Helfenstein U. **Stat Med** 1986 Jan-Feb;5(1):37-47

[Infantile papular dermatitis of the dorsum manus] Wang HS, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Feb;8(1):27-31 (Eng. Abstr.) (Chi)

[Natural foci of human diseases near the Baikal and Amur railroad mainline (a review of research)] Kovalevskiĭ IuV, et al. **Med Parazitol (Mosk)** 1986 Mar-Apr;(2):71-5 (+2 ref.) (Rus)

[Complex method for epizootiological and epidemiological surveillance] Sakvarelidze LA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Oct;(10):51-4 (Eng. Abstr.) (Rus)

PATHOLOGY

Electron microscopy of pathological alterations of nasal and laryngeal mucous membranes in infants and children. Imrei L. **Acta Morphol Hung** 1985;33(3-4):211-8

Virus-related pathology: is the continued presence of the virus necessary? Huppert J, et al. **Adv Virus Res** 1986; 31:357-85 (163 ref.)

An old nemesis in new clothing: viruses playing new tricks by causing cytopathology in the absence of cytolysis. Oldstone MB. **J Infect Dis** 1985 Oct;152(4):665-7

Retinal infiltrates in six patients with an associated viral syndrome. Goldstein BG, et al. **Retina** 1985 Summer-Fall; 5(3):144-50

[Advances in the pathologic diagnosis with transmission electronic microscopes] Chen DH. **Chung-hua Ping Li Hsueh Tsa Chih** 1985 Dec;14(4):241-3 (15 ref.) (Chi)

[Ultrastructural analysis of viral and bacterial lesions in human sudden cardiac death] Pavlovich ER, et al. **Arkh Patol** 1985;47(8):15-20 (Eng. Abstr.) (Rus)

[Clinico-morphologic characteristics of atrial lesions in infectious cardiomyopathies in children] Barlybaeva NA, et al. **Pediatriia** 1985 Nov;(11):20-2 (Eng. Abstr.) (Rus)

[Clinico-morphological characteristics of viral-bacterial meningoencephalitis in adults] Frolov AF, et al. **Vrach Delo** 1985 Jul;(7):112-6 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Impact of malnutrition on small intestinal repair after acute viral enteritis. **Nutr Rev** 1985 Nov;43(11):335-7

Bronchial hyperreactivity and bronchial obstruction in respiratory viral infection. An attempt to evaluate the relationship. Löwenberg A, et al. **Respiration** 1986; 49(1):1-9

PREVENTION & CONTROL

Infection control and the pregnant health care worker. Valenti WM. **Am J Infect Control** 1986 Feb;14(1):20-7

Use of T cell-specific anti-idiotypes to immunize against viral infections. Finberg RW, et al. **Immunol Rev** 1986 Apr; 90:129-55 (52 ref.)

Towards the prevention of epidemic polyarthritis? [editorial] Mudge PR. **Med J Aust** 1985 Oct 14;143(8):327

[Problems and concepts of active immunological prevention of human virus diseases] Kaštoch M. **Przegl Epidemiol** 1985;39(3-4):354-62 (Eng. Abstr.) (Pol)

[Family rehabilitation of children with frequent and protracted bronchopulmonary diseases] Gavalov SM, et al. **Pediatriia** 1986 Mar;(3):56-9 (Rus)

RADIOGRAPHY

[Pulmonary virosis with an unusual radiological manifestation] Hreniuc R, et al. **Rev Med Chir Soc Med Nat Iasi** 1984 Apr-Jun;88(2):324 (Rum)

THERAPY

Current view on the perspectives of interferon therapy. Borecký L. **Acta Virol (Praha)** 1986 Mar;30(2):161-9 (44 ref.)

Pediatric viral gastroenteritis. Monson TP. **Am Fam Physician** 1986 Jul;34(1):95-9

The interferon system as a basis for antiviral therapy or prophylaxis. Billiau A. **Antiviral Res** 1985;Suppl 1:131-40 (34 ref.)

Ginterferon (human leukocyte interferon) efficiency in the treatment of viral diseases. 1. Efficiency in viral keratoconjunctivitis. Ghyka G, et al. **Med Interne** 1986 Apr-Jun;24(2):143-6

The clinical application of fibroblast interferon--an overview. Billiau A. **Med Oncol Tumor Pharmacother** 1984; 1(2):87-96 (51 ref.)

[Viral polymyositis: report of 2 cases with electron microscopic examination and interferon treatment] Chou ZJ. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1985 Dec;18(6):335-7 (Eng. Abstr.) (Chi)

[Immunostimulants. Examples, characteristics and possibilities for therapeutic use] Darlath W. **Med Monatsschr Pharm** 1986 Jun;9(6):172-6 (Ger)

[Immunotherapy in virus diseases] Schulte-Wissermann H, et al. **Monatsschr Kinderheilkd** 1986 Apr;134(4):172-81 (Eng. Abstr.) (Ger)

[Virus-induced acute respiratory diseases in child day care centers--concepts of prevention and treatment] Breunung

M. Padiatr Grenzgeb 1986;25(2-3):189-96 (Eng. Abstr.) (Ger)
[Current status of interferon therapy] Dittrich C. Wien Med Wochenschr 1986 Apr 30;136(7-8):163-72 (Eng. Abstr.) (Ger)
[Treatment with combination of antibiotics and human gamma-globulin (SM-4300) for severe infection in surgery] Toyoda K, et al. Jpn J Antibiot 1985 Sep;38(9):2660-4 (Eng. Abstr.) (Jpn)
[Results of the selective study of patients hospitalized in infectious disease hospitals and wards] Kobyshcha IuV. Vrach Delo 1985 Sep;(9):122-5 (Rus)

TRANSMISSION

Virus transmission by subcutaneous jet injection. Brink PR, et al. J Med Microbiol 1985 Dec;20(3):393-7
Unconventional virus infection and neurological disease. Matthews WB. Neuropathol Appl Neurobiol 1986 Mar-Apr; 12(2):111-6
The water cycle as a source of pathogens. Jones F, et al. Soc Appl Bacteriol Symp Ser 1985;14:27S-36S
Occurrence in water of viruses of public health significance. Tyler J. Soc Appl Bacteriol Symp Ser 1985;14:37S-46S
[Current transfusion medicine--infection, thrombocytes, granulocytes. Symposium of the German Society for Blood Transfusion and Immunohematology. Marburg, West Germany, 26-28 September 1985] Beitr Infusionother Klin Ernahr 1986;15:1-293 (Ger)
[Viruses in swimming pools] Lopez Pila JM. Schriftenr Ver Wasser Boden Lufthyg 1985;65:289-94 (Ger)
[Viruses in the water circulation] Lopez Pila JM. Schriftenr Ver Wasser Boden Lufthyg 1985;65:279-87 (Ger)
[Progress in the ground water protection concept "behavior of viruses underground"] Nasser A, et al. Schriftenr Ver Wasser Boden Lufthyg 1986;64:193-201 (Ger)

URINE

Neopterin in AIDs, other immunodeficiencies, and bacterial and viral infections. Niederwieser A, et al. Klin Wochenschr 1986 Apr 1;64(7):333-7

VETERINARY

Mononuclear phagocytes of transport-stressed horses with viral respiratory tract infection. Anderson NV, et al. Am J Vet Res 1985 Nov;46(11):2272-7
Colonization of the nasal passages of calves with Pasteurella haemolytica serotype 1 and regeneration of colonization after experimentally induced viral infection of the respiratory tract. Frank GH, et al. Am J Vet Res 1986 Aug;47(8):1704-7
Seroepidemiologic survey for antibodies to selected viruses in the respiratory tract of lambs. Lehmkuhl HD, et al. Am J Vet Res 1985 Dec;46(12):2601-4
FAO contribution to public health through livestock disease control with emphasis on viral disease. Wojciechowski KJ. Ann Ist Super Sanita 1985;21(4):535-41
Viral pig diseases in Singapore that are exotic to Australia. Webster WR, et al. Aust Vet J 1985 Dec;62(12):432
Infectious diseases of the camel: viruses, bacteria and fungi. McGrane JJ, et al. Br Vet J 1985 Sep-Oct;141(5):529-47 (89 ref.)
Equine viral arteritis: a disease of emerging significance? [editorial] Timoney PJ. Equine Vet J 1986 May;18(3):166-8
Bovine immunization guidelines. J Am Vet Med Assoc 1986 Aug 1;189(3):281-4
Potential influence of viral infection and vaccination on drug disposition. Short CR. J Am Vet Med Assoc 1986 Aug 1;189(3):330-2
Recent vesicular stomatitis virus infection detected by immunoglobulin M antibody capture enzyme-linked immunosorbent assay. Vernon SD, et al. J Clin Microbiol 1985 Oct;22(4):582-6
Serotypes of bovine astrovirus. Woode GN, et al. J Clin Microbiol 1985 Oct;22(4):668-70
Is rodent virus contamination of monoclonal antibody preparations for use in human therapy a hazard? Carthew P. J Gen Virol 1986 Jun;67 (Pt 6):963-74 (105 ref.)
Biochemical and structural studies of fish lymphocystis disease virions isolated from skin tumours of Pleuronectes. Samalecos C. J Virol Methods 1986 Jun;13(3):197-205
Serologic study on the prevalence of murine viruses in a population of wild meadow voles (Microtus pennsylvanicus). Descôteaux JP, et al. J Wildl Dis 1986 Jul;22(3):314-9
Sparganosis in a saddle-back tamarin: another case of viral-induced proliferation? Gardiner CH, et al. J Wildl Dis 1986 Jul;22(3):437-9
Serologic studies of select infectious diseases of moose (Alces alces L.) from Alaska. Kocan AA, et al. J Wildl Dis 1986 Jul;22(3):418-20
Diagnosis of murine infections in relation to test methods employed. Kraft V, et al. Lab Anim Sci 1986 Jun; 36(3):271-6
Prevalence of natural virus infections in laboratory mice and rats used in Canada. Lussier G, et al. Lab Anim Sci 1986 Apr;36(2):145-8
Ulcerative rhabdovirus in fish in South-East Asia [letter] Frerichs GN, et al. Nature 1986 Jul 17-23;322(6076):216
Presumptive diagnosis of subclinical infections utilizing computer-assisted analysis of sequential enzyme-linked immunosorbent assays against multiple antigens. Mallinson ET, et al. Poult Sci 1985 Sep;64(9):1661-9
Outbreaks of peste des petits ruminants in village goat flocks in Nigeria. Opasina BA, et al. Trop Anim Health Prod 1985 Nov;17(4):219-24
Viral respiratory diseases. Moise NS. Vet Clin North Am [Small Anim Pract] 1985 Sep; 15(5):919-28 (26 ref.)
Hemagglutination with rhabdoviruses related to bovine ephemeral fever virus. Kaneko N, et al. Vet Microbiol 1986 Feb;11(1-2):1-11
Immunofluorescence and cell culture techniques in the diagnosis of viral infection of aborted bovine fetuses. Lucas MH, et al. Vet Rec 1986 Mar 1;118(9):242-3
Control of virus diseases in bulls in artificial insemination centres in Britain. Lucas MH. Vet Rec 1986 Jul 5; 119(1):15-6
Infectious stunting syndrome: evidence of vertical transmission. Wyeth PJ, et al. Vet Rec 1985 Nov 2; 117(18):465-7
Characterization of New Jersey vesicular stomatitis virus isolates from horses and black flies during the 1982 outbreak in Colorado. Schnitzlein WM, et al. Virology 1985 Apr 30;142(2):426-31
[Diagnosis of infectious pancreatic necrosis (IPN) of trout using immunofluorescence] Hornich M, et al. Vet Med (Praha) 1986 Jan;31(1):55-64 (Eng. Abstr.) (Cze)
[Isolation and identification of the infectious pancreatic necrosis virus in trout] Pospíšil Z, et al. Vet Med (Praha) 1986 Feb;31(2):95-104 (Eng. Abstr.) (Cze)
[Winter diarrhea] Hoyer M, et al. Tijdschr Diergeneeskd 1985 Dec 15;110(24):1070-3 (Eng. Abstr.) (Dut)
[Diagnostic problems posed by respiratory infections of dogs] Chappuis G. Comp Immunol Microbiol Infect Dis 1985; 8(1):29-33 (Eng. Abstr.) (Fre)
[Laboratory diagnosis of respiratory diseases of cattle] Fedida M, et al. Comp Immunol Microbiol Infect Dis 1985; 8(1):17-28 (Eng. Abstr.) (Fre)
[Virus infections of cattle, their diagnosis and prevention in East Germany] Bergmann H, et al. Arch Exp Veterinarmed 1985 Sep;39(5):653-62 (Eng. Abstr.) (Ger)
[Research achievements and results of the politically economically significant virus infections of swine] Leopoldt D, et al. Arch Exp Veterinarmed 1985 Sep;39(5):642-52 (Eng. Abstr.) (Ger)
[Vaccine production of the Riems Island Friedrich Loeffler Institute] Tesmer S, et al. Arch Exp Veterinarmed 1985 Sep; 39(5):684-91 (Eng. Abstr.) (Ger)
[Pathogenesis and immunology of virus-induced neonatal diarrhea] Bachmann PA. Berl Munch Tierarztl Wochenschr 1985 Sep 1;98(9):294-8 (Eng. Abstr.) (Ger)
[Serologic studies on the occurrence of the arteritis virus in the horse in West Germany] Herbst W, et al. DTW 1985 Nov 26;92(11-12):461-3 (Eng. Abstr.) (Ger)
[Virus infections in small experimental animals: effects on biomedical research] Kraft V. DTW 1985 Nov 26; 92(11-12):484-9 (Ger)
[Pathology and control of virus-induced enteritis in calves] Kirsch R. Tierarztl Prax 1986;14(2):211-6 (Eng. Abstr.) (Ger)
[Different biological properties of 4 rhabdovirus isolates pathogenic to cyprinid fishes] Ahne W. Zentralbl Veterinarmed [B] 1986 May;33(4):253-9 (Eng. Abstr.) (Ger)

VIRUS INDUCTION see VIRUS ACTIVATION

VIRUS INHIBITORS

PPi analogs as inhibitors of human T-lymphotropic virus type III reverse transcriptase. Vrang L, et al. Antimicrob Agents Chemother 1986 May;29(5):867-72
Evaluation of two viral inactivation methods for the preparation of safer factor VIII and factor IX concentrates. Heldebrant CM, et al. Transfusion 1985 Nov-Dec; 25(6):510-5

ANALYSIS

Preliminary characterization of a serum viral inhibitor in goats. Yilma T, et al. Am J Vet Res 1985 Nov;46(11):2360-2

BIOSYNTHESIS

Study of interferon production during pregnancy in mice and antiviral activity in the placenta. Yamada K, et al. Am J Obstet Gynecol 1985 Oct 1;153(3):335-41

BLOOD

Interferon system in acute transient synovitis. Leibowitz E, et al. Arch Dis Child 1985 Oct;60(10):959-62
Coronavirus inhibitor in human sera: age distribution and prevalence. Debiaggi M, et al. Microbiologica 1986 Jan; 9(1):109-12
Isolation and characterization of influenza C virus inhibitors in rat serum. Kitame F, et al. Vaccine 1985 Sep;3(3 Suppl):211-4

IMMUNOLOGY

Inactivation of inhibitor-resistant influenza virus by normal guinea pig sera. Subi K. Virologie 1985 Jul-Sep;36(3):221-2

ISOLATION & PURIFICATION

Virus-inhibiting factor in primary and metastatic carcinoma of the liver. Christodoulopoulou G, et al. Cancer Detect Prev 1986;9(3-4):385-8
Site of suppression of Banzi viral replication by an antiviral factor released from Aedes albopictus cells persistently infected with Banzi virus. Hommel GA, et al. Virus Res 1985 Dec;4(1):37-51

VIRUS RECEPTORS see RECEPTORS, VIRUS

VIRUS REPLICATION

Replication of human rhinovirus serotypes in a cell line derived from the brain of hamster embryo [letter] Hrušková J, et al. Acta Virol (Praha) 1985 Dec;29(6):514
Studies on the SV40-like papovavirus SV40-GBM. III. Propagation at low multiplicities of infection in various human cell lines. Scherneck S, et al. Acta Virol (Praha) 1986 Mar;30(2):119-25
An unusual replication strategy of an animal iridovirus. Murti KG, et al. Adv Virus Res 1985;30:1-19 (83 ref.)
Antibody-dependent enhancement of viral infectivity. Porterfield JS. Adv Virus Res 1986;31:335-55 (105 ref.)
Spontaneous expression of an endogenous retrovirus by the equine sarcoid-derived MC-1 cell line. Cheevers WP, et al. Am J Vet Res 1986 Jan;47(1):50-2
Increased sugar transport in BHK cells infected with Semliki Forest virus or with herpes simplex virus. Gray MA, et al. Arch Virol 1986;87(1-2):37-48
Replication of sialodacryoadenitis virus of rat in LBC cell culture. Brief report. Hirano N, et al. Arch Virol 1986; 88(1-2):121-5
Detection of sequences in Autographa californica nuclear polyhedrosis virus DNA, that acts as autonomous replicating sequences (ARS) in yeast. Brief report. Hooft van Iddekinge BJ, et al. Arch Virol 1986;88(3-4):279-84
Replication of alphaviruses in cultures of donkey monocytes. Liptandi F, et al. Arch Virol 1986;87(3-4):163-71
Hepatitis B virus components produced by the human hepatoma cell line PLC/PRF/5: do they indicate virus propagation? Brief review. Marquardt O. Arch Virol 1986; 90(1-2):1-14 (66 ref.)
Replication of infectious bursal disease virus in lymphoid cells. Müller H. Arch Virol 1986;87(3-4):191-203
Studies on Autographa californica nuclear polyhedrosis virus replication in Spodoptera littoralis cells including virus-induced protein synthesis. Roberts PL. Arch Virol 1986;87(1-2):49-59
Restricted replication of adenovirus type 2 in mouse Balb/3T3 cells. Silverstein G, et al. Arch Virol 1986; 87(3-4):241-64
In vitro infection studies with infectious laryngotracheitis virus. Calnek BW, et al. Avian Dis 1986 Apr-Jun; 30(2):327-36
Replication-competent endogenous avian leukosis virus in commercial lines of meat chickens. Ignjatovic J. Avian Dis 1986 Apr-Jun;30(2):264-70
The effects of the multiplicity of infection on viral subpopulations during passage of Newcastle disease viruses. McMillan BC, et al. Avian Dis 1986 Jan-Mar;30(1):122-5
Characterization of herpesvirus of turkeys. Replication using recombinant DNA. Mucenski ML, et al. Avian Dis 1986 Apr-Jun;30(2):255-63
Inhibition of mouse hepatitis virus type 3 multiplication in activated Kupffer cells. Pereira CA, et al. Braz J Med Biol Res 1985;18(4):527-31
Interferon induction in mouse fibroblast L-A9 cells. Soares MC, et al. Braz J Med Biol Res 1985;18(3):265-72
The trans-activator gene of the human T cell lymphotropic virus type III is required for replication. Dayton AI, et al. Cell 1986 Mar 28;44(6):941-7
Detection of a subunit of cellular Pol II within highly purified preparations of RNA polymerase isolated from rabbit poxvirus virions. Morrison DK, et al. Cell 1986 Feb 28; 44(4):587-96
Tomato golden mosaic virus A component DNA replicates autonomously in transgenic plants. Rogers SG, et al. Cell 1986 May 23;45(4):593-600
Chromatin assembly during SV40 DNA replication in vitro. Stillman B. Cell 1986 May 23;45(4):555-65
The bovine papillomavirus replicon. Botchan M, et al. Ciba Found Symp 1986;120:53-67 (14 ref.)
The pathophysiology of murine retrovirus-induced leukemias. Schiff RD, et al. CRC Crit Rev Oncol Hematol 1986;5(3):257-323 (757 ref.)
Binding and bending of the lambda replication origin by the phage O protein. Zahn K, et al. EMBO J 1985 Dec 16; 4(13A):3605-16
Inhibition of adenovirus DNA replication in vitro by autoimmune sera. Pruijn GJ, et al. Eur J Biochem 1986 Jan 15;154(2):363-70
T lymphocytes activated by interleukin 2 alone acquire permissiveness for replication of herpes simplex virus. Braun RW, et al. Eur J Immunol 1986 Jun;16(6):709-11
Large T antigen-rich viral DNA replication loci in SV40-infected monkey kidney cells. Harper F, et al.

Exp Cell Res 1985 Dec;161(2):434–44
Nucleotide sequence analysis of DNA replication origins of the small Bacillus bacteriophages: evolutionary relationships. Yoshikawa H, et al. **Gene** 1985;37(1–3):125–30
Assessment of HBV replicative status by receptors for polymerized human albumin. Magrin S, et al. **Hepatogastroenterology** 1986 Feb;33(1):6–8
Antibody enhanced viral growth in macrophages. Porterfield JS. **Immunol Lett** 1985;11(3–4):213–7
Restrictive events in the replication of hepatitis A virus in vitro. Anderson DA, et al. **Intervirology** 1985;24(1):26–32
Mouse polyoma virus and adenovirus replication in mouse cells temperature-sensitive in DNA synthesis. Sheinin R, et al. **Intervirology** 1985;24(3):174–80
Comparative replication of HSV-1 in BALB/c and C57BL/6 mouse embryo fibroblasts in vitro. Abghari SZ, et al. **Invest Ophthalmol Vis Sci** 1986 Jun;27(6):909–14
Laser cross-linking of nucleic acids to proteins. Methodology and first applications to the phage T4 DNA replication system. Hockensmith JW, et al. **J Biol Chem** 1986 Mar 15;261(8):3512–8
Restricted replication of lentiviruses. Visna viruses induce a unique interferon during interaction between lymphocytes and infected macrophages. Narayan O, et al. **J Exp Med** 1985 Dec 1;162(6):1954–69
The herpes simplex virus type 2 alkaline DNase activity is essential for replication and growth. Moss H. **J Gen Virol** 1986 Jun;67 (Pt 6):1173–8
Identification of a varicella-zoster virus origin of DNA replication and its activation by herpes simplex virus type 1 gene products. Stow ND, et al. **J Gen Virol** 1986 Aug; 67 (Pt 8):1613–23
Studies of HBV replication during acute hepatitis followed by recovery and acute hepatitis progressing to chronic disease. Lok AS, et al. **J Hepatol** 1985;1(6):671–9
Hepatitis B virus multiplication in the absence of usual serological markers. A study of 146 chronic alcoholics. Nalpas B, et al. **J Hepatol** 1985;1(2):89–97
Natural history of chronic persistent hepatitis B. Relationship between hepatitis B virus replication and the course of the disease. Sánchez-Tapias JM, et al. **J Hepatol** 1985; 1(1):15–27
Cellular tropism of the human retrovirus HTLV-III/LAV. I. Role of T cell activation and expression of the T4 antigen. McDougal JS, et al. **J Immunol** 1985 Nov;135(5):3151–62
Targeting of drug loaded immunoliposomes to herpes simplex virus infected corneal cells: an effective means of inhibiting virus replication in vitro. Norley SG, et al. **J Immunol** 1986 Jan;136(2):681–5
In vivo effects of coronavirus-specific T cell clones: DTH inducer cells prevent a lethal infection but do not inhibit virus replication. Stohlman SA, et al. **J Immunol** 1986 Apr 15;136(8):3052–6
Interferon production and replication of infectious bovine rhinotracheitis virus in fasted calves. d'Offay JM, et al. **J Interferon Res** 1986 Apr;6(2):79–84
Assembly and disassembly of bacteriophage T4 polyheads. Caldentey J, et al. **J Mol Biol** 1986 Mar 5;188(1):39–48
Origin of adenovirus DNA replication. Role of the nuclear factor I binding site in vivo. Hay RT. **J Mol Biol** 1985 Nov 5;186(1):129–36
Interaction between gene II protein and the DNA replication origin of bacteriophage f1. Horiuchi K. **J Mol Biol** 1986 Mar 20;188(2):215–23
Characterization of a defective phage system for the analysis of bacteriophage T4 DNA replication origins. Kreuzer KN, et al. **J Mol Biol** 1986 Mar 20;188(2):185–98
Minus-strand initiation by brome mosaic virus replicase within the 3' tRNA-like structure of native and modified RNA templates. Miller WA, et al. **J Mol Biol** 1986 Feb 20;187(4):537–46
Theiler's virus replication in isolated Schwann cell cultures. Frankel G, et al. **J Neurosci Res** 1986;15(2):127–36
Lack of evidence for VPg priming of poliovirus RNA synthesis in the host factor-dependent in vitro replicase reaction. Andrews NC, et al. **J Virol** 1986 Apr;58(1):212–5
Effects of bacteriophage fd infection on Escherichia coli HB11 envelope: a morphological and biochemical study. Bayer ME, et al. **J Virol** 1986 Jan;57(1):258–66
Replication of human cytomegalovirus in human peripheral blood T cells. Braun RW, et al. **J Virol** 1986 Oct; 60(1):29–36
Infection by choleraphage phi 138: bacteriophage DNA and replicative intermediates. Chowdhury R, et al. **J Virol** 1986 Mar;57(3):960–7
Properties of the simian virus 40 (SV40) large T antigens encoded by SV40 mutants with deletions in gene A. Cole CN, et al. **J Virol** 1986 Feb;57(2):539–46
Isolation of a recombinant murine leukemia virus utilizing a new primer tRNA. Colicelli J, et al. **J Virol** 1986 Jan; 57(1):37–45
Exclusion of superinfecting homologous virus by Sindbis virus-infected Aedes albopictus (mosquito) cells. Condreay LD, et al. **J Virol** 1986 Apr;58(1):81–6
Amplification of a bovine papillomavirus-simian virus 40 chimera. DuBridge RB, et al. **J Virol** 1985 Nov;56(2):625–7
Formation of a covalent complex between the terminal protein of pneumococcal bacteriophage Cp-1 and 5'-dAMP. García P, et al. **J Virol** 1986 Apr;58(1):31–5
Spontaneous lambda OR mutations suppress inhibition of bacteriophage growth by nonimmune exclusion phenotype of defective lambda prophage. Hayes S, et al. **J Virol** 1986 Jun;58(3):835–42
Herpes simplex virus 1 recombinants with noninverting genomes frozen in different isomeric arrangements are capable of independent replication. Jenkins FJ, et al. **J Virol** 1986 Aug;59(2):494–9
DNA requirements at the bacteriophage G4 origin of complementary-strand DNA synthesis. Lambert PF, et al. **J Virol** 1986 May;58(2):450–8
Inhibition of herpes simplex virus type 1 replication in fibroblast cultures by human blood mononuclear cells. Leibson PJ, et al. **J Virol** 1986 Mar;57(3):976–82
Evidence that a capped oligoribonucleotide is the primer for duck hepatitis B virus plus-strand DNA synthesis. Lien JM, et al. **J Virol** 1986 Jan;57(1):229–36
Monoclonal antibodies specific for wild mouse neurotropic retrovirus: detection of comparable levels of virus replication in mouse strains susceptible and resistant to paralytic disease. McAtee FJ, et al. **J Virol** 1985 Dec; 56(3):1018–22
Conservative replication and transcription of Saccharomyces cerevisiae viral double-stranded RNA in vitro. Nemeroff ME, et al. **J Virol** 1986 Mar;57(3):754–8
Type I topoisomerase activity after infection of enucleated, synchronized mouse L cells by vaccinia virus. Poddar SK, et al. **J Virol** 1986 Feb;57(2):433–7
Functional characterization of thermolabile DNA-binding proteins that affect adenovirus DNA replication. Prelich G, et al. **J Virol** 1986 Mar;57(3):883–92
Monoclonal antibodies against Aleutian disease virus distinguish virus strains and differentiate sites of virus replication from sites of viral antigen sequestration. Race RE, et al. **J Virol** 1986 Jan;57(1):285–93
Nucleotide sequences that affect replicative and transcriptional efficiencies of Sendai virus deletion mutants. Re GG, et al. **J Virol** 1986 May;58(2):578–82
Spontaneous curing of a minute virus of mice carrier state by selection of cells with an intracellular block of viral replication. Ron D, et al. **J Virol** 1986 Apr;58(1):26–30
Replication and transformation functions of in vitro-generated simian virus 40 large T antigen mutants. Rutila JE, et al. **J Virol** 1986 May;58(2):526–35
Mapping of genes in BamHI fragment M of Epstein-Barr virus DNA that may determine the fate of viral infection. Sample J, et al. **J Virol** 1986 Jan;57(1):145–54
Initiation of poliovirus plus-strand RNA synthesis in a membrane complex of infected HeLa cells. Takeda N, et al. **J Virol** 1986 Oct;60(1):43–53
Replication of cytomegalovirus in human arterial smooth muscle cells. Tumilowicz JJ, et al. **J Virol** 1985 Dec; 56(3):839–45
In vitro experimental infection of primary duck hepatocyte cultures with duck hepatitis B virus. Tuttleman JS, et al. **J Virol** 1986 Apr;58(1):17–25
Isolation and molecular cloning of a fast-growing strain of human hepatitis A virus from its double-stranded replicative form. Venuti A, et al. **J Virol** 1985 Nov; 56(2):579–88
Expression of 100,000-Mr simian virus 40 (SV40) tumor antigen in mouse fibroblasts transfected with replication-defective SV40 genomes. Verderame MF, et al. **J Virol** 1986 Mar;57(3):857–63
Functional implications of oligomerization of simian virus 40 large T antigen during lytic virus infection. Wachter M, et al. **J Virol** 1985 Nov;56(2):520–6
Adenoviral early region 4 is required for efficient viral DNA replication and for late gene expression. Weinberg DH, et al. **J Virol** 1986 Mar;57(3):833–8
cis Functions involved in replication and cleavage-encapsidation of pseudorabies virus. Wu CA, et al. **J Virol** 1986 Aug;59(2):318–27
Molecular basis for interference of defective interfering particles of pseudorabies virus with replication of standard virus. Wu CA, et al. **J Virol** 1986 Aug;59(2):308–17
Topoisomerase II and other DNA-delay and DNA-arrest mutations impair bacteriophage T4 DNA packaging in vivo and in vitro. Zachary A, et al. **J Virol** 1986 Oct; 60(1):97–104
Replication of measles virus and localization of the viral antigens in long-term infection in organotypic cultures of hamster dorsal-root ganglion. Uchiyama T, et al. **Jpn J Exp Med** 1985 Jun;55(3):109–21
Hepatitis B virus DNA replication in peripheral blood mononuclear cells [letter] Morichika S, et al. **Lancet** 1985 Dec 21–28;2(8469–70):1431
Correlation of age with the status of hepatitis B virus replication and histological changes in chronic type B hepatitis. Chu CH, et al. **Liver** 1985 Jun;5(3):117–22
Regulation of Pichinde virus replication in Vero and BHK-21 cells. Young PR, et al. **Med Microbiol Immunol (Berl)** 1986; 175(2–3):63–6
Role of the nuclear matrix during viral replication. Simard R, et al. **Methods Achiev Exp Pathol** 1986;12:172–99
Morphology, organelles and susceptibility to viruses of cultured ferret cells. Trowbridge RS, et al. **Microbios** 1985; 43(174–175):157–68
Enhanced induction of SV40 replication from transformed rat cells by fusion with UV-irradiated normal and repair-deficient human fibroblasts. van der Lubbe JL, et al. **Mutat Res** 1986 Mar;165(2):47–56
Identification of the gene responsible for human T-cell leukaemia virus transcriptional regulation. Cann AJ, et al. **Nature** 1985 Dec 12–18;318(6046):571–4
The trans-activator gene of HTLV-III is essential for virus replication. Fisher AG, et al. **Nature** 1986 Mar 27–Apr 2; 320(6060):367–71
Nuclear factor III, a novel sequence-specific DNA-binding protein from HeLa cells stimulating adenovirus DNA replication. Pruijn GJ, et al. **Nature** 1986 Aug 14–20; 322(6080):656–9
Evidence from cauliflower mosaic virus virion DNA for additional discontinuities in the plus strand. Maule AJ, et al. **Nucleic Acids Res** 1985 Oct 25;13(20):7359–73
Synthesis of viral DNA forms in Nicotiana plumbaginifolia protoplasts inoculated with cassava latent virus (CLV); evidence for the independent replication of one component of the CLV genome. Townsend R, et al. **Nucleic Acids Res** 1986 Feb 11;14(3):1253–65
A block in initiation of simian virus 40 assembly results in the accumulation of minichromosomes containing an exposed regulatory region. Ambrose C, et al. **Proc Natl Acad Sci USA** 1986 May;83(10):3287–91
Purification of a terminal uridylyltransferase that acts as host factor in the in vitro poliovirus replicase reaction. Andrews NC, et al. **Proc Natl Acad Sci USA** 1986 Jan;83(2):221–5
Replication of phage phi 29 DNA with purified terminal protein and DNA polymerase: synthesis of full-length phi 29 DNA. Blanco L, et al. **Proc Natl Acad Sci USA** 1985 Oct;82(19):6404–8
Viroid processing: a model involving the central conserved region and hairpin I. Diener TO. **Proc Natl Acad Sci USA** 1986 Jan;83(1):58–62
Localization and sequence of a vaccinia virus gene required for multiplication in human cells. Gillard S, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(15):5573–7
A defined system for in vitro packaging of DNA-gp3 of the Bacillus subtilis bacteriophage phi 29. Guo P, et al. **Proc Natl Acad Sci USA** 1986 May;83(10):3505–9
Transient replication of bovine papilloma virus type 1 plasmids: cis and trans requirements. Lusky M, et al. **Proc Natl Acad Sci USA** 1986 Jun;83(11):3609–13
Role of DNA polymerase alpha and DNA primase in simian virus 40 DNA replication in vitro. Murakami Y, et al. **Proc Natl Acad Sci USA** 1986 May;83(9):2869–73
Cellular and viral DNA hypomethylation associated with induction of Epstein-Barr virus lytic cycle. Szyf M, et al. **Proc Natl Acad Sci USA** 1985 Dec;82(23):8090–4
Simian virus 40 DNA replication in vitro: study of events preceding elongation of chains. Wobbe CR, et al. **Proc Natl Acad Sci USA** 1986 Jul;83(13):4612–6
Proteins tightly associated with the termini of replicative form DNA of Kilham rat virus, an autonomous parvovirus. Wobbe CR, et al. **Proc Natl Acad Sci USA** 1985 Dec; 82(24):8335–9
DNA binding site for a factor(s) required to initiate simian virus 40 DNA replication. Yamaguchi M, et al. **Proc Natl Acad Sci USA** 1986 Mar;83(6):1646–50
Inhibition of replication and expression of human T-cell lymphotropic virus type III in cultured cells by exogenous synthetic oligonucleotides complementary to viral RNA. Zamecnik PC, et al. **Proc Natl Acad Sci USA** 1986 Jun; 83(12):4143–6
Virological aspects on herpesvirus infections. Lycke E. **Scand J Infect Dis [Suppl]** 1985;47:9–15
Biochemical and genetic evidence for the hepatitis B virus replication strategy. Seeger C, et al. **Science** 1986 Apr 25; 232(4749):477–84
Replicative and cytopathic potential of HTLV-III/LAV with sor gene deletions. Sodroski J, et al. **Science** 1986 Mar 28;231(4745):1549–53
Survival of orf virus under British winter conditions. McKeever DJ, et al. **Vet Rec** 1986 May 31;118(22):613–4
Some antigenic and cultural properties of border disease and bovine viral diarrhoea viruses. Wafula JS. **Vet Res Commun** 1986 May;10(3):189–94
Sindbis virus mutants able to replicate in methionine-deprived Aedes albopictus cells. Durbin RK, et al. **Virology** 1985 Jul 30;144(2):529–33
Cytoskeleton-associated Pr65gag and assembly of retrovirus temperature-sensitive mutants in chronically infected cells. Edbauer CA, et al. **Virology** 1984 Apr 30;134(2):389–97
Transposition and replication of maxi-Mu derivatives of bacteriophage Mu. Faelen M, et al. **Virology** 1986 Aug; 153(1):70–9
Genetic analysis of the 3' early region transformation and replication functions of bovine papillomavirus type 1. Groff DE, et al. **Virology** 1986 Apr 15;150(1):221–30
Host and phage-coded functions required for coliphage N4 DNA replication. Guinta D, et al. **Virology** 1986 Apr 15; 150(1):33–44
Identification and biochemical analysis of DNA replication-defective large T antigens from SV40-transformed cells. Huber B, et al. **Virology** 1985 Oct 30;146(2):188–202
Effect of myelocytic maturation of HL60 cells on replication of influenza and polioviruses. Kitamura Y, et al. **Virology** 1985 Mar;141(2):299–301
Vaccinia virus, herpes simplex virus, and carcinogens induce DNA amplification in a human cell line and support replication of a helpervirus dependent parvovirus. Schlehofer JR, et al. **Virology** 1986 Jul 15;152(1):110–7
Antiviral and antiproliferative effects of interferons in quiescent fibroblasts are dissociable. Taylor-Papadimitriou J, et al. **Virology** 1985 Dec;147(2):405–12
Sendai virus replication in Friend erythroleukemia cells. I.

Acutely and persistently infected cells become resistant to virus-induced lysis. Benedetto A, et al. **Virus Res** 1986 Feb; 4(2):117-32

Electron microscope autoradiographic study of human herpesvirus 4. McCoy SB, et al. **Zentralbl Veterinarmed [B]** 1985 Jun;32(5):368-74

[Studies on the interference of a non-pathogenic virus with the Japanese B encephalitis virus] Liang XJ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1985 Aug; 7(4):290-3 (Eng. Abstr.) **(Chi)**

[Nucleoprotein and membrane protein genes responsible for restriction of replication of influenza A/Mallard/NY/78 virus and its reassortants in the respiratory tract of squirrel monkeys] Tian SF, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Feb; 8(1):1-6 (Eng. Abstr.) **(Chi)**

[Viral replication and hepatic manifestations in 7 cases of periarteritis nodosa associated with hepatitis B virus] Ouzan D, et al. **Gastroenterol Clin Biol** 1986 Jan;10(1):53-6 (Eng. Abstr.) **(Fre)**

[Hepatitis B virus DNA as a marker of viral multiplication: comparison with HBe antigen and anti-HBe antibody] Thiers V, et al. **Presse Med** 1986 Jun 28;15(26):1219-22 (Eng. Abstr.) **(Fre)**

[Multiorgan infection of duck hepatitis B virus (DHBV): a mode of initiation of DHBV replication in an experimental transmission study] Tagawa M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Jul;82(7):1717-23 (Eng. Abstr.) **(Jpn)**

[Eukaryotic DNA replication factors] Nagata K. **Tanpakushitsu Kakusan Koso** 1985 Oct;30(11):1187-206 (92 ref.) **(Jpn)**

[Coupling and rec-independence of the processes of replication and transposition of Pseudomonas aeruginosa phage D3112. The effect of the phage genes controlling the replication of DNA of D3112] Akhverdian VZ, et al. **Genetika** 1986 Jun;22(6):929-38 (Eng. Abstr.) **(Rus)**

[Diversity and unity of methods of replication of viral DNA] Agol VI. **Mol Biol (Mosk)** 1986 Mar-Apr;20(2):309-28 (151 ref.) (Eng. Abstr.) **(Rus)**

[Characteristics of intranuclear inclusions formed during the reproduction of bovine adenoviruses] Nosach LN, et al. **Tsitol Genet** 1986 Jan-Feb;20(1):51-4 (Eng. Abstr.) **(Rus)**

[Heteroploid kidney cell line from the green monkey as a substrate for multiplication of the tick-borne encephalitis virus] Grachev VP, et al. **Vopr Virusol** 1985 May-Jun; 30(3):373-7 **(Rus)**

[Limitation of phage multiplication by microbes of the genus Bordetella] Lapaeva IA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Dec;(12):35-8 (Eng. Abstr.) **(Rus)**

[Relation between the presence of polymerized human serum albumin receptors and the level of virus replication in chronic hepatitis B virus infection] Mora Pérez I, et al. **Rev Clin Esp** 1986 Apr;178(6):278-82 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Inhibition of vaccinia virus replication in RK-13 cells by N,N'-bis(methylisatin-beta-thiosemicarbazone)-2-methylpiperazine. Bańkowski A, et al. **Acta Virol (Praha)** 1986 May;30(3):192-8

Anti-herpes simplex virus and cytostatic activity of some new 5-substituted 1-(4-hydroxybutyl)-and 1-(2-hydroxyethoxymethyl) uracil nucleoside analogues. Reefschläger J, et al. **Acta Virol (Praha)** 1985 May; 29(3):185-93

Effects of adenine arabinoside and corticosteroid on replication of duck hepatitis B virus DNA in the liver. Hirota K, et al. **Ann Acad Med Singapore** 1986 Apr; 15(2):227-32

An influenza virus inhibitor that acts late in the replication cycle. Antonelli G, et al. **Antimicrob Agents Chemother** 1986 Jan;29(1):49-51

Inhibition of herpes simplex virus type 1 replication by halothane. Bedows E, et al. **Antimicrob Agents Chemother** 1986 May;29(5):941-4

Synergistic inhibition of human T-cell lymphotropic virus type III replication in vitro by phosphonoformate and recombinant alpha-A interferon. Hartshorn KL, et al. **Antimicrob Agents Chemother** 1986 Jul;30(1):189-91

Prolonged herpes simplex virus latency in vitro after treatment of infected cells with acyclovir and human leukocyte interferon. Scheck AC, et al. **Antimicrob Agents Chemother** 1986 Apr;29(4):589-93

Mechanism of selective inhibition of human cytomegalovirus replication by 1-beta-D-arabinofuranosyl-5-fluorouracil. Suzuki S, et al. **Antimicrob Agents Chemother** 1985 Aug; 28(2):326-30

Effects of selenazofurin and ribavirin and their 5'-triphosphates on replicative functions of influenza A and B viruses. Wray SK, et al. **Antimicrob Agents Chemother** 1986 Jan;29(1):67-72

In search of specific inhibitors of retrovirus replication. De Clercq E, et al. **Antiviral Res** 1985;Suppl 1:89-94

On the complex nature of the antiviral activity of coumermycin A1: its interference with the replication of herpes simplex virus type 1. Palù G, et al. **Antiviral Res** 1986 Jan;6(1):19-32

Effect of interferon on herpes simplex virus replication in murine macrophage-like cell lines. Salo RJ, et al. **Antiviral Res** 1986 May;6(3):161-9

Teleocidin, a tumour promoter, stimulates synthesis of primate retroviruses in persistently infected human cells. Wunderlich V, et al. **Arch Geschwulstforsch** 1985; 55(5):311-4

Effect of concanavalin A and succinyl concanavalin A on cytomegalovirus replication in fibroblasts. Grail A, et al. **Arch Virol** 1986;91(1-2):61-71

Selective inhibition of replication of the AIDS-associated virus HTLV-III/LAV by synthetic D-penicillamine. Chandra P, et al. **Arzneimittelforschung** 1986 Feb; 36(2):184-6

Inhibition of HTLV-III/LAV replication by foscarnet. Sarin PS, et al. **Biochem Pharmacol** 1985 Nov 15;34(22):4075-9

Carcinogen induced asynchronous replication of polyoma DNA is mediated by a trans-acting factor. Lambert ME, et al. **Carcinogenesis** 1986 Jun;7(6):1011-7

Induction of beta 2-interferon by tumor necrosis factor: a homeostatic mechanism in the control of cell proliferation. Kohase M, et al. **Cell** 1986 Jun 6;45(5):659-66

An acidic lymphokine distinct from interferon-gamma inhibits the replication of herpes simplex virus in human pulmonary macrophages. Rose RM, et al. **Cell Immunol** 1986 Feb;97(2):397-406

Inhibition of SV40 DNA replication by benzo[a]pyrene diol epoxide adducts: two recovery modes. Lockhart ML, et al. **Chem Biol Interact** 1986 May;58(2):217-31

The replication of Rous sarcoma virus is blocked at or before viral DNA synthesis in interferon treated chick embryo fibroblasts. Strube W, et al. **Eur J Cell Biol** 1985 Nov; 39(1):232-5

Reactivation of cytomegalovirus in endometrial cells by estradiol. Kleinman D, et al. **Gynecol Obstet Invest** 1986; 21(3):136-43

Comparative inhibitory effects of suramin and other selected compounds on the infectivity and replication of human T-cell lymphotropic virus (HTLV-III)/lymphadenopathy-associated virus (LAV). Balzarini J, et al. **Int J Cancer** 1986 Mar 15;37(3):451-7

Structure-activity relationship in the induction of Epstein-Barr virus by teleocidin derivatives. Irie K, et al. **Int J Cancer** 1985 Oct 15;36(4):485-8

Comparative studies on (2'-5')oligoadenylate-related enzyme systems and the antiviral effect of interferon in two mouse cell lines which differ in (2'-5')oligoadenylate sensitivity of their protein synthesizing system. Taira H, et al. **J Interferon Res** 1985 Fall;5(4):583-96

Human alpha- and beta-interferon but not gamma- suppress the in vitro replication of LAV, HTLV-III, and ARV-2. Yamamoto JK, et al. **J Interferon Res** 1986 Apr;6(2):143-52

Effect of chlordane on influenza type A virus and herpes simplex type 1 virus replication in vitro. Beggs M, et al. **J Toxicol Environ Health** 1985;16(2):173-88

Effect of cloned human interferons on protein synthesis and morphogenesis of herpes simplex virus. Chatterjee S, et al. **J Virol** 1985 Nov;56(2):419-25

Effect of interferon on replication of herpes simplex virus types 1 and 2 in human macrophages. Domke-Opitz I, et al. **J Virol** 1986 Oct;60(1):37-42

Modification of Epstein-Barr virus replication by tunicamycin. Hutt-Fletcher LM, et al. **J Virol** 1986 Jan; 57(1):117-23

Effect of human alpha A interferon on influenza virus replication in MDBK cells. Ransohoff RM, et al. **J Virol** 1985 Dec;56(3):1049-52

Interference of mouse mammary tumor virus replication by PTT.119 [p-fluoro-L-phe-m-bis-(2-chloroethyl)amino-L-phe-met ethoxy HCl]--an antitumor agent. Yagi MJ, et al. **JNCI** 1986 Mar;76(3):493-501

Inhibition by sakyomicin A of avian myeloblastosis virus reverse transcriptase and proliferation of AIDS-associated virus (HTLV-III/LAV). Tanaka N, et al. **Jpn J Cancer Res** 1986 Apr;77(4):324-6

Administration of 3'-azido-3'-deoxythymidine, an inhibitor of HTLV-III/LAV replication, to patients with AIDS or AIDS-related complex. Yarchoan R, et al. **Lancet** 1986 Mar 15;1(8481):575-80

Sensitivity of ortho- and paramyxovirus replication to human interferon alpha. Strube M, et al. **Mol Biol Rep** 1985 Oct; 10(4):237-43

Inhibition of herpes simplex virus-induced DNA polymerases and cellular DNA polymerase alpha by triphosphates of acyclic guanosine analogs. Larsson A, et al. **Mol Pharmacol** 1986 Jun;29(6):614-21

Antiviral activity towards VSV and Mengo virus of a chemically stabilized 2-5A analog upon microinjection into HeLa cells. Defilippi P, et al. **Prog Clin Biol Res** 1985; 202:141-6

Induction of anti-viral activity and specific enzymes in cell-lines derived from interferon-resistant, thymidine kinase deficient mouse L-929 cells. Lewis JA. **Prog Clin Biol Res** 1985;202:325-32

Interferon induced inhibition of enveloped viruses. Maheshwari RK, et al. **Prog Clin Biol Res** 1985;202:297-305 (28 ref.)

Studies on interferon-sensitive cells derived from the interferon-resistant NIH 3T3 clone 1 line. Mittnacht S, et al. **Prog Clin Biol Res** 1985;202:237-45

Characterization of the interferon-induced double-stranded RNA-dependent protein kinase and its possible role in the antiviral action of interferon. Samuel CE. **Prog Clin Biol Res** 1985;202:247-54

Analysis of interferon actions using partially resistant cell variants. Sen G, et al. **Prog Clin Biol Res** 1985;202:175-82

Neutralization of HTLV-III/LAV replication by antiserum to thymosin alpha 1. Sarin PS, et al. **Science** 1986 May 30;232(4754):1135-7

Inhibitory effects of selected antiviral compounds on newly isolated clinical varicella-zoster virus strains. Beba M, et al. **Tohoku J Exp Med** 1986 Mar;148(3):275-83

3-Methylquercetin is a potent and selective inhibitor of poliovirus RNA synthesis. Castrillo JL, et al. **Virology** 1986 Jul 15;152(1):219-27

[Inhibitory effect of tai-ding-an on DNA and protein synthesis of herpes simplex virus type 2 (HSV-2)] Yin MB. **Chung Hua I Hsueh Tsa Chih** 1985 Oct;65(10):587-9 (Eng. Abstr.) **(Chi)**

[Use of permeabilized cells in the study of inhibitory products of herpes virus replication] Baginski I, et al. **Pathol Biol (Paris)** 1985 Jun;33(5 Pt 2):618-22 (Eng. Abstr.) **(Fre)**

[Biological effect of interferons and their possible therapeutic use] Stelzner A. **Dermatol Monatsschr** 1986;172(1):1-8 (Eng. Abstr.) **(Ger)**

[Effect of cellulose ether on replication of measles virus strain L 16] Stäber H. **Z Gesamte Hyg** 1986 Apr;32(4):269-71 (Eng. Abstr.) **(Ger)**

[Natural inhibitors of viral replication of low molecular weight] Antonelli G, et al. **G Ital Chemioter** 1985 Jan-Apr; 32(1):105-8 (Eng. Abstr.) **(Ita)**

[Possible inhibitors of experimental viral replication against cytomegalovirus. Results and prospectives] Landini MP, et al. **G Ital Chemioter** 1985 Jan-Apr;32(1):119-26 (Eng. Abstr.) **(Ita)**

[Effect of tunicamycin on human cytomegalovirus replication] Shimokawa K, et al. **Ulrusa** 1985 Jun; 35(1):53-61 (Eng. Abstr.) **(Jpn)**

[Inhibition of the reproduction of a herpes simplex I virus carrying mutations in the thymidine kinase and DNA polymerase genes] Galegov GA, et al. **Genetika** 1986 May; 22(5):892-4 (Eng. Abstr.) **(Rus)**

[Inhibitory effect of deoxyadenylyl-(3'-5')-deoxyguanosine on the RNA-polymerase activity of influenza virus A] Pravdina NF, et al. **Vopr Med Khim** 1985 Sep-Oct; 31(5):123-5 (Eng. Abstr.) **(Rus)**

[Inhibiting action of sodium selenite on the reproduction of the influenza virus] Lazymova ZA, et al. **Vopr Virusol** 1986 Mar-Apr;31(2):236-8 **(Rus)**

[Action of interferons on the reproduction of herpes simplex viruses in in vitro experiments] Pokidysheva LN, et al. **Vopr Virusol** 1986 Jan-Feb;31(1):81-3 (Eng. Abstr.) **(Rus)**

[Blocking of Sindbis virus replication in the body of infected mice using an inhibitor of chymotrypsin-like proteases] Zhirnov OP, et al. **Vopr Virusol** 1985 Jul-Aug;30(4):450-3 (Eng. Abstr.) **(Rus)**

VIRUSES

see related
INCLUSION BODIES, VIRAL

Estimating viral concentrations: a reliable computation method programmed on a pocket calculator. Husson-van Vliet J, et al. **Comput Methods Programs Biomed** 1985 Dec; 21(3):167-72

Some highlights of animal virus research in 1985. McGeoch DJ. **J Gen Virol** 1986 May;67 (Pt 5):813-30 (134 ref.)

Aetiological role of viruses in multiple sclerosis: a review. Larner AJ. **J R Soc Med** 1986 Jul;79(7):412-7 (50 ref.)

Viruses, specula, and vaginal cancer [letter] Ayliffe GA. **Lancet** 1986 Jul 19;2(8499):158

Nuclear magnetic resonance probes for investigations of the virus-cell interactions. Valensin G, et al. **Magn Reson Med** 1985 Oct;2(5):501-4

Pasteurization of antihemophilic factor and model virus inactivation studies. Ng PK, et al. **Thromb Res** 1985 Aug 15;39(4):439-47

[Analysis of time expenditures in work with viruses of Groups I-II] Vovk TA, et al. **Lab Delo** 1985;(9):560-2 (Eng. Abstr.) **(Rus)**

ANALYSIS

[Solubilization of glycoproteins from enveloped viruses by detergents] Berezin VE, et al. **Biokhimiia** 1986 May; 51(5):808-15 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Viral taxonomy for the nonvirologist. Matthews RE. **Annu Rev Microbiol** 1985;39:451-74 (25 ref.)

Species classification problems in virus taxonomy. Kingsbury DW. **Intervirology** 1985;24(2):62-70

Alternatives to the species concept for virus taxonomy. Milne RG. **Intervirology** 1985;24(2):94-8

DRUG EFFECTS

Inhibitory effect of glucocorticoid hormones on the growth of Inoue-Melnick virus. Inoue YK, et al. **J Clin Microbiol** 1985 Oct;22(4):664-5

Inhibitory effect of acyclovir on the growth of Inoue-Melnick virus isolated from cerebrospinal fluid. Nishibe Y, et al. **J Med Virol** 1986 Apr;18(4):309-15

[Mechanisms of the formation of viral resistance to

chemotherapeutic preparations] Chizhov NP. **Vopr Virusol** 1985 May-Jun;30(3):266-79 (157 ref.) **(Rus)**

GENETICS

In vitro RNA synthesis by viruses isolated from the yeast Yarrowia lipolytica. Treton B, et al. **Biochimie** 1986 Jul-Aug;68(7-8):991-9

Conserved regions in defective interfering viral double-stranded RNAs from a yeast virus. Lee M, et al. **J Virol** 1986 May;58(2):402-7

An amino acid sequence motif linking viral DNA polymerases and plant virus proteins involved in RNA replication. Hodgman TC. **Nucleic Acids Res** 1986 Aug 26;14(16):6769

Perspectives for gene therapy: inserting new genetic information into mammalian cells by physical techniques and viral vectors. Cline MJ. **Pharmacol Ther** 1985; 29(1):69-92 (116 ref.)

Development and characterization of cold-adapted viruses for use as live virus vaccines. Maassab HF, et al. **Vaccine** 1985 Dec;3(5):355-69 (78 ref.)

In vitro translation of the major capsid polypeptide from Ustilago maydis virus stain P1. Dalton RE, et al. **Virus Res** 1985 Sep;3(2):153-63

[Evolution from the microbiologic viewpoint] Fey H. **Schweiz Arch Tierheilkd** 1986 Apr;128(4):165-83 (Eng. Abstr.) **(Ger)**

[Virus-induced mutagenesis and various aspects of genetic engineering in humans] Buzhievskaia TI. **Tsitol Genet** 1986 Jan-Feb;20(1):66-72 (37 ref.) (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Culture media for propagation of mammalian cells, viruses, and other biologicals. Jayme DW, et al. **Adv Biotechnol Processes** 1985;5:1-30 (153 ref.)

Influence of inoculum size, incubation temperature, and cell culture density on virus detection in environmental samples. Payment P, et al. **Can J Microbiol** 1985 Nov; 31(11):977-80

Glucocorticoid-mediated establishment of an antiviral state coincident with other glucocorticoid-induced biochemical activities in L929 cells. Lancz GJ, et al. **J Gen Virol** 1985 Oct;66 (Pt 10):2249-52

DNA metabolism during infection of Anacystis nidulans by cyanophage AS-1. VI. Effect of hydroxyurea and nalidixic acid on the development of cyanophage AS-1. Lee HL, et al. **Microbios** 1985;43(176S):245-59

Estimation of virus density in sewage effluents by two counting techniques: comparison of precisions as a function of inoculum volume. Hugues B, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Dec; 181(3-5):409-17

IMMUNOLOGY

Monoclonal antibodies: implications for virology. Brief review. McCullough KC. **Arch Virol** 1986;87(1-2):1-36 (132 ref.)

The physiological interferon response. V. Antiviral activity present in rat lymph is neutralized by anti-mouse interferon-gamma antibodies. Bocci V, et al. **Microbiologica** 1985 Oct;8(4):405-10

A leukocyte subset bearing HLA-DR antigens is responsible for in vitro alpha interferon production in response to viruses. Perussia B, et al. **Nat Immun Cell Growth Regul** 1985;4(3):120-37

[Cross antigenicity between human arterial tissue and various germs] Scebat L, et al. **Pathol Biol (Paris)** 1985 Dec; 33(10):964-6 (Eng. Abstr.) **(Fre)**

ISOLATION & PURIFICATION

Estero real virus: a new virus isolated from argasid ticks Ornithodoros tadaridae in Cuba. Málková D, et al. **Acta Virol (Praha)** 1985 May;29(3):247-50

Isolation and identification of a novel virus from patients with AIDS. Lo SC. **Am J Trop Med Hyg** 1986 Jul; 35(4):675-6

Sizing and separation of liposomes, biological vesicles, and viruses by high-performance liquid chromatography. Ollivon M, et al. **Anal Biochem** 1986 Feb 1;152(2):262-74

Concentration of viruses from water by using cellulose filters modified by in situ precipitation of ferric and aluminum hydroxides. Farrah SR, et al. **Appl Environ Microbiol** 1985 Dec;50(6):1502-4

Human viruses in sediments, sludges, and soils. Rao VC, et al. **Bull WHO** 1986;64(1):1-13 (33 ref.)

Evaluation of cell line 293 for virus isolation in routine viral diagnosis. Brown M, et al. **J Clin Microbiol** 1986 Apr; 23(4):704-8

Persistence of Inoue-Melnick virus and antibody in cerebrospinal fluid. Melnick JL, et al. **J Clin Microbiol** 1985 Oct;22(4):651-3

Excretion of faecal viruses during the first year of life including attendance at a day nursery in Lisbon, Portugal. Avillez MF, et al. **J Hyg (Lond)** 1986 Jun;96(3):545-56

Isolation of human pathogenic viruses from clinical material on CaCo2 cells. Reigel P **J Virol Methods** 1985 Dec; 12(3-4):323-7

Serologic study on the prevalence of murine viruses in a population of wild meadow voles (Microtus pennsylvanicus). Descôteaux JP, et al. **J Wildl Dis** 1986 Jul;22(3):314-9

Presence of respiratory viruses in middle ear fluids and nasal wash specimens from children with acute otitis media. Chonmaitree T, et al. **Pediatrics** 1986 May;77(5):698-702

Persistence of viruses in the nasopharynx of apparently healthy children aged 0-5 years. Results of investigations performed in 1982-83. Isaia G, et al. **Virologie** 1985 Jul-Sep; 36(3):175-9

[Studies on morphology, buoyant density of virus-like particles in duck sera and disease background of duck liver] Hu HL, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Apr; 6(2):112-5 (Eng. Abstr.) **(Chi)**

[Isolation and identification of the infectious pancreatic necrosis virus in trout] Pospíšil Z, et al. **Vet Med (Praha)** 1986 Feb;31(2):95-104 (Eng. Abstr.) **(Cze)**

[Method of detecting non-hemadsorbing and non-hemagglutinating viruses] Aksenov OA, et al. **Lab Delo** 1985;(9):557-60 (Eng. Abstr.) **(Rus)**

[Isolation of viruses from water using porous silica] Krasil'nikov IV, et al. **Vopr Virusol** 1985 Sep-Oct; 30(5):608-10 (Eng. Abstr.) **(Rus)**

[Isolation of a nonclassical virus and a study of its etiological role in human amyotrophic leukospongiosis] Kolomiets ND, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Jun; (6):42-6 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

Pasteurization as an efficient method to inactivate blood borne viruses in factor VIII concentrates. Hilfenhaus J, et al. **Arzneimittelforschung** 1986 Apr;36(4):621-5

Multiple sclerosis, viruses and glycolipids [letter] Fazakerley JK, et al. **Nature** 1986 May 22-28;321(6068):386

[Do viruses play a role in the etiology of keratoacanthoma?] Calatayud JC. **Z Hautkr** 1985 Nov 15;60(22):1807-8 (Eng. Abstr.) **(Ger)**

[Errors in determining and the choice of the optimal plan for titrating viral infectiousness by means of threshold dilutions] Myskin AA, et al. **Vopr Virusol** 1985 May-Jun; 30(3):377-83 **(Rus)**

[Characteristics of the etiological agent of human amyotrophic leukospongiosis] Votiakov VI, et al. **Vopr Virusol** 1985 Nov-Dec;30(6):684-8 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Virus-related pathology: is the continued presence of the virus necessary? Huppert J, et al. **Adv Virus Res** 1986; 31:357-85 (163 ref.)

Antibody-dependent enhancement of viral infectivity. Porterfield JS. **Adv Virus Res** 1986;31:335-55 (105 ref.)

[Levels and mechanisms of the regulation of the population count of the causative agents of natural focal infections] Litvin VIu. **Med Parazitol (Mosk)** 1986 Mar-Apr;(2):20-7 (53 ref.) (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

DNA metabolism during infection of Anacystis nidulans by cyanophage AS-1. VII. UV-induced alterations of the AS-1/A. nidulans lytic cycle. Lee HL, et al. **Microbios** 1985;43(176S):277-95

Microwave sterilization of nitrous oxide nasal hoods contaminated with virus. Young SK, et al. **Oral Surg Oral Med Oral Pathol** 1985 Dec;60(6):581-5

ULTRASTRUCTURE

The high voltage electron microscope in virology. Mazzone HM, et al. **Adv Virus Res** 1985;30:43-82

An eight-year study of the viral agents of acute gastroenteritis in humans: ultrastructural observations and seasonal distribution with a major emphasis on coronavirus-like particles. Payne CM, et al. **Diagn Microbiol Infect Dis** 1986 May;5(1):39-54

Diffraction methods for biological macromolecules. Oscillation method with large unit cells. Harrison SC, et al. **Methods Enzymol** 1985;114:211-37

Diffractometry. Wyckoff HW. **Methods Enzymol** 1985; 114:330-86

Electron microscopy of frozen-hydrated biological material. Stewart M, et al. **Nature** 1986 Feb 20-26;319(6055):631-6

Effect of errors, redundancy, and solvent content in the molecular replacement procedure for the structure determination of biological macromolecules. Arnold E, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(15):5489-93

Protein, DNA, and virus crystallography with a focused imaging proportional counter. Durbin RM, et al. **Science** 1986 May 30;232(4754):1127-32

An Otofuke-like virus associated with diarrhoea. Case report and electronmicroscopic study. O'Neill HJ, et al. **Ulster Med J** 1985 Apr;54(1):75-7

[Hitherto unknown pattern of reaction in vertebrate cells--ultrastructural studies of virus-host cell relationship and cell cultures. 1] Solisch P. **Zentralbl Allg Pathol** 1986; 131(1):49-57 (Eng. Abstr.) **(Ger)**

VISAMMIN see **KHELLIN**

VISCOSITY

see related
BLOOD VISCOSITY

VISCUM

Effects of mistletoe (Viscum album L.) extracts on cultured tumor cells. Ribéreau-Gayon G, et al. **Experientia** 1986 Jun 15;42(6):594-9

The in vitro activity of lectin I from mistletoe (ML I) and its isolated A and B chains on functions of macrophages and polymorphonuclear cells. Metzner G, et al. **Immunobiology** 1985 Jul;169(5):461-71

Natural killer and antibody-dependent cell-mediated cytotoxicity activities and large granular lymphocyte frequencies in Viscum album-treated breast cancer patients. Hajto T, et al. **Oncology** 1986;43(2):93-7

[Cytostatic activity of Viscum cruciatum Sieber on cellular cultures. Acute toxicity] Ayuso MJ, et al. **Ann Pharm Fr** 1985;43(5):459-61 (Eng. Abstr.) **(Fre)**

ANALYSIS

Phenylpropanes and lignans of Viscum album cardioactive drugs V. Wagner H, et al. **Planta Med** 1986 Apr;(2):102-4

[Detection and quantitative determination of lectins and viscotoxins in mistletoe preparations] Jordan E, et al. **Arzneimittelforschung** 1986 Mar;36(3):428-33 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Differences in the in vitro effectiveness of preparations produced from mistletoes of various host trees. Hülsen H, et al. **Arzneimittelforschung** 1986 Mar;36(3):433-6

VISION

see related
VISUAL PERCEPTION

Photophysiological functions of visual pigments. Yoshizawa T. **Adv Biophys** 1984;17:5-67 (175 ref.)

Stereopsis in normal infants and infants with congenital esotropia. Archer SM, et al. **Am J Ophthalmol** 1986 May 15;101(5):591-6

Factors associated with a poor visual result in endophthalmitis. Bohigian GM, et al. **Am J Ophthalmol** 1986 Mar 15;101(3):332-41

Return of vision following orbital decompression after 36 hours of postoperative blindness. McCartney DL, et al. **Am J Ophthalmol** 1985 Oct 15;100(4):602-4

Need for eye and vision care in an underserved population: refractive errors and other ocular anomalies in the Sioux. Adler-Grinberg D. **Am J Optom Physiol Opt** 1986 Jul; 63(7):553-8

Reaction times to edges of variable sharpness in age-related maculopathy. Brown B. **Am J Optom Physiol Opt** 1986 May;63(5):362-5

Rhesus monkey as a model for normal vision of humans. Harwerth RS, et al. **Am J Optom Physiol Opt** 1985 Sep; 62(9):633-41

Partial visual rehabilitation of hemianopic patients. Nooney TW Jr. **Am J Optom Physiol Opt** 1986 May;63(5):382-6

Visual performance with soft hydrophilic contact lenses. Pointer JS, et al. **Am J Optom Physiol Opt** 1985 Oct; 62(10):694-701

Recovery of contrast sensitivity following bilateral orbital decompression: a case report. Weatherill J, et al. **Am J Optom Physiol Opt** 1985 Oct;62(10):715-9

Effect of hemodialysis on contrast sensitivity in renal failure. Woo GC, et al. **Am J Optom Physiol Opt** 1986 May; 63(5):356-61

Vision and refractive status among grade 1 children of the Province of New Brunswick. Woodruff ME. **Am J Optom Physiol Opt** 1986 Jul;63(7):545-52

Effect of alertness and visual attention on optokinetic nystagmus in humans. Magnusson M, et al. **Am J Otolaryngol** 1985 Nov-Dec;6(6):419-25

Ocular and endocrine function in patients with pituitary tumors. Operative results following transnasal, transsphenoidal approach with marsupialization of the sella turcica. Dagi TF, et al. **Am Surg** 1986 Mar;52(3):165-9

Dark-adapted foveal thresholds and visual acuity in retinitis pigmentosa. Alexander KR, et al. **Arch Ophthalmol** 1986 Mar;104(3):390-4

Diabetic retinopathy viewed as a neurosensory disorder [editorial] Bresnick GH. **Arch Ophthalmol** 1986 Jul; 104(7):989-90

Manual tracking of visual targets by trained monkeys. Miall RC, et al. **Behav Brain Res** 1986 May;20(2):185-201

Mechanism of action of aromatic amines that short-circuit the visual cycle. Bernstein PS, et al. **Biochemistry** 1986 Jun 3;25(11):3370-7

Visual motion, binocular correspondence and binocular rivalry. Blake R, et al. **Biol Cybern** 1985;52(6):391-7

A self-similar stack model for human and machine vision. Burton GJ, et al. **Biol Cybern** 1986;53(6):397-403

Cross-modal identification: effects of contingent changes in the stimulus series. Gregson RA, et al. **Biol Cybern** 1985; 52(4):247-58

Texton gradients: the texton theory revisited. Julesz B. **Biol Cybern** 1986;54(4-5):245-51

Differences between visually triggered human forearm movements with visual and auditory relevant feedback. Sugano N, et al. **Biol Cybern** 1985;52(5):297–300

Some reversible image operators from the point of view of cellular automata. Zamperoni P. **Biol Cybern** 1986; 54(4–5):253–61

The cortical magnification factor and photopic vision. Pointer JS. **Biol Rev Camb Philos Soc** 1986 May; 61(2):97–119 (123 ref.)

A new approach to understanding the initial step in visual transduction. Milder SJ, et al. **Biophys J** 1986 Feb; 49(2):567–70

Penicillin-induced epileptiform activity does not prevent ocular dominance shifts in monocularly deprived kittens. Videen TO, et al. **Brain Res** 1986 Apr 16;371(1):1–8

The effect of hypoglycaemia on visual function: a clinical and electrophysiological study. Harrad RA, et al. **Clin Sci** 1985 Dec;69(6):673–9

Development and application of a three-dimensional artificial visual system. Coggins JM, et al. **Comput Methods Programs Biomed** 1986 Mar;22(1):69–77

Radial keratotomy and glare effects on contrast sensitivity. Atkin A, et al. **Doc Ophthalmol** 1986 Feb 28;62(2):129–48

Rehabilitation of the visually handicapped with advanced macular degeneration. A follow-up study at the Low Vision Clinic, Department of Ophthalmology, University of Linköping. Nilsson UL, et al. **Doc Ophthalmol** 1986 May 15;62(4):345–67

Visual rehabilitation of patients with advanced diabetic retinopathy. A follow-up study at the Low Vision Clinic, Department of Ophthalmology, University of Linköping. Nilsson UL. **Doc Ophthalmol** 1986 May 15;62(4):369–82

Vehicle guidance by delineation systems at night. Blaauw GJ. **Ergonomics** 1985 Dec;28(12):1601–15

Human lenticular fluorescence and transmissivity, and their effects on vision. Weale RA. **Exp Eye Res** 1985 Oct; 41(4):457–73

Statistics and quantum bumps in arthropod photoreceptors. Yeandle S. **Fed Proc** 1985 Dec;44(15):2947–9

Visual observations under marginal illumination and their forensic evaluation. Lieskovsky V. **Forensic Sci Int** 1985 Sep–Oct;29(1–2):109–27

Evolution of the visual prognosis of prematures in the last 20 years. Gerhard JP, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(1):62–3

Effect of visual display scale on duration estimates. Bobko DJ, et al. **Hum Factors** 1986 Apr;28(2):153–8

Contrast sensitivity predicts age-related differences in highway-sign discriminability. Evans DW, et al. **Hum Factors** 1985 Dec;27(6):637–42

Does visual angle of a line of characters affect reading speed? Gould JD, et al. **Hum Factors** 1986 Apr;28(2):165–73

Preferred declination of the line of sight. Hill SG, et al. **Hum Factors** 1986 Apr;28(2):127–34

Functional interhemispheric asymmetry during recognition of different classes of visual stimuli. Udalova GP, et al. **Hum Physiol** 1984 Jul–Aug;10(4):261–70

Phenomenon of pseudolocalization of a visual pattern and functional asymmetry of the human brain. Yarlykov VN. **Hum Physiol** 1984 Jul–Aug;10(4):256–60

Vision through nuclear and posterior subcapsular cataract. Baraldi P, et al. **Int Ophthalmol** 1986 May;9(2–3):173–8

The Association for Research in Vision and Ophthalmology Incorporated. Annual spring meeting. Sarasota, Florida, April 28–May 2, 1986. Abstracts. **Invest Ophthalmol Vis Sci** 1986 Mar;27(3 Suppl):1–376

Impairment of contrast sensitivity function (CSF) as a measure of disability glare. Abrahamsson M, et al. **Invest Ophthalmol Vis Sci** 1986 Jul;27(7):1131–6

Effects of enucleation of the fixating eye on strabismic amblyopia in monkeys. Harwerth RS, et al. **Invest Ophthalmol Vis Sci** 1986 Feb;27(2):246–54

Human orientation discrimination: changes with eccentricity in normal and amblyopic vision. Vandenbussche E, et al. **Invest Ophthalmol Vis Sci** 1986 Feb;27(2):237–45

Wavelength discrimination deteriorates with illumination in blue cone monochromats. Young RS, et al. **Invest Ophthalmol Vis Sci** 1985 Nov;26(11):1543–9

Visual characteristics of natives in Fiji, South Pacific. Andrist S, et al. **J Am Optom Assoc** 1986 Jun;57(6):431–4

Reading disability [letter] Mann S. **J Am Optom Assoc** 1986 Aug;57(8):576

Visual characteristics of rural Central and South Americans. Wharton KR, et al. **J Am Optom Assoc** 1986 Jun; 57(6):426–30

Posterior chamber intraocular lenses in a series of 75 autopsy eyes. Part III: Correlation of positioning holes and optic edges with the pupillary aperture and visual axis. Brems RN, et al. **J Cataract Refract Surg** 1986 Jul;12(4):367–71

Glare and contrast: indications for cataract surgery. Jaffe NS. **J Cataract Refract Surg** 1986 Jul;12(4):372–5

Spectral sensitivity of the African cichlid fish, Haplochromis burtoni. Allen EE, et al. **J Comp Physiol [A]** 1985 Sep; 157(2):247–53

The visual pigment sensitivity hypothesis: further evidence from fishes of varying habitats. Crescitelli F, et al. **J Comp Physiol [A]** 1985 Oct;157(3):323–33

Patterns of looking behavior in full-term and low birth weight infants at 40 weeks post-conceptional age. Spungen LB, et al. **J Dev Behav Pediatr** 1985 Oct;6(5):287–94

Visual deprivation and the maturation of the retinotectal projection in Xenopus laevis. Keating MJ, et al. **J Embryol Exp Morphol** 1986 Feb;91:101–15

Continuous visual information may be important after all: a failure to replicate Thomson (1983). Elliott D. **J Exp Psychol [Hum Percept]** 1986 Aug;12(3):388–91

Intermittent versus continuous visual control: a reply to Elliott. Thomson JA. **J Exp Psychol [Hum Percept]** 1986 Aug;12(3):392–3

Visual control of step length during running over irregular terrain. Warren WH Jr, et al. **J Exp Psychol [Hum Percept]** 1986 Aug;12(3):259–66

Vestibular signals carried by pathways subserving plasticity of the vestibulo-ocular reflex in monkeys. Lisberger SG, et al. **J Neurosci** 1986 Feb;6(2):346–54

Visual recognition in monkeys following rhinal cortical ablations combined with either amygdalectomy or hippocampectomy. Murray EA, et al. **J Neurosci** 1986 Jul; 6(7):1991–2003

What is psychophysically perfect image stabilization? Do perfectly stabilized images always disappear? Arend LE, et al. **J Opt Soc Am [A]** 1986 Feb;3(2):235–41

New look at Bloch's law for contrast. Gorea A, et al. **J Opt Soc Am [A]** 1986 Jan;3(1):52–61

Image gathering and processing: information and fidelity. Huck FO, et al. **J Opt Soc Am [A]** 1985 Oct;2(10):1644–66

Psychophysics of reading. IV. Wavelength effects in normal and low vision. Legge GE, et al. **J Opt Soc Am [A]** 1986 Jan;3(1):40–51

Spectral luminous efficiency functions in the mesopic range. Sagawa K, et al. **J Opt Soc Am [A]** 1986 Jan;3(1):71–5

Indirect traumatic optic neuropathy—visual outcome of operative and nonoperative cases. Fujitani T, et al. **Jpn J Ophthalmol** 1986;30(1):125–34

Large adjustments in visually guided reaching do not depend on vision of the hand or perception of target displacement. Goodale MA, et al. **Nature** 1986 Apr 24–30; 320(6064):748–50

Reduction in number of immunostained GABAergic neurones in deprived-eye dominance columns of monkey area 17. Hendry SH, et al. **Nature** 1986 Apr 24–30; 320(6064):750–3

Remote viewing exposed [letter] Marks D, et al. **Nature** 1986 Feb 6–12;319(6053):444

Computational vision and regularization theory. Poggio T, et al. **Nature** 1985 Sep 26–Oct 2;317(6035):314–9 (67 ref.)

Effects of dorsal column transection in the upper cervical segments on visually guided forelimb movements. Alstermark B, et al. **Neurosci Res** 1986 Jul;3(5):462–6

Reversal of visual impairment after interstitial irradiation of pituitary tumor. Kumar PP, et al. **Neurosurgery** 1986 Jan; 18(1):82–4

Visual results and prognostic factors for vision following surgery for stage V retinopathy of prematurity. Trese MT. **Ophthalmology** 1986 May;93(5):574–9

Electrodermal discrimination with visual feedback in two incompatible stressful situations. A yoked control comparison. Burns RA, et al. **Pavlov J Biol Sci** 1986 Apr–Jun;21(2):60–4

Visual correction of a rapid goal-directed response. Hay L, et al. **Percept Mot Skills** 1986 Feb;62(1):51–7

Visual dominance in the cross-modal kinesthetic to kinesthetic plus visual feedback condition. Reeve TG, et al. **Percept Mot Skills** 1986 Feb;62(1):243–52

Tactual perception of embossed Morse code and braille: the alliance of vision and touch. Heller MA. **Perception** 1985; 14(5):563–70

Signal intensity, task context, and auditory-visual interactions. Radeau M. **Perception** 1985;14(5):571–7

Blindness and play fighting in juvenile rats. Bierley RA, et al. **Physiol Behav** 1986;36(2):199–201

Effects of visual and acoustic deprivation on agonistic behaviour of the albino mouse (M. musculus L.). Strasser S, et al. **Physiol Behav** 1986;36(4):773–8

The effect of binocular and monocular viewing conditions on performance of rats in the Morris water maze. Panakhova E, et al. **Physiol Bohemoslov** 1986;35(1):53–61

Histaminergic mechanisms in the vertebrate visual system. Nowak JZ. **Pol J Pharmacol Pharm** 1985 Nov–Dec; 37(6):783–819 (138 ref.)

Gated currents generate single spike activity in amacrine cells of the tiger salamander retina. Barnes S, et al. **Proc Natl Acad Sci USA** 1986 Mar;83(5):1509–12

Deprotonation of the Schiff base of rhodopsin is obligate in the activation of the G protein. Longstaff C, et al. **Proc Natl Acad Sci USA** 1986 Jun;83(12):4209–13

Phosphodiesterase activation by photoexcited rhodopsin is quenched when rhodopsin is phosphorylated and binds the intrinsic 48-kDa protein of rod outer segments. Wilden U, et al. **Proc Natl Acad Sci USA** 1986 Mar;83(5):1174–8

Role of the central thalamus in gaze control. Schlag J, et al. **Prog Brain Res** 1986;64:191–201 (28 ref.)

Electrophysiological study of intrahemispheric S-R compatibility effects elicited by visual directional cues. Ragot R, et al. **Psychophysiology** 1986 Jan;23(1):19–27

Correspondence matching in apparent motion: evidence for three-dimensional spatial representation. Green M, et al. **Science** 1986 Sep 26;233(4771):1427–9

Rescue of the Drosophila phototransduction mutation trp by germline transformation. Montell C, et al. **Science** 1985 Nov 29;230(4729):1040–3

Optical image quality and the cone mosaic. Snyder AW, et al. **Science** 1986 Jan 31;231(4737):499–501

Monocular and binocular vision: expectations in treatment of strabismus. Parks MM. **Trans New Orleans Acad Ophthalmol** 1986;:431–48

Neonatal ophthalmology. Latimer CA, et al. **Vet Clin North Am [Equine Pract]** 1985 Apr;1(1):235–59 (52 ref.)

A high-speed point plotter for vision research. Finley G. **Vision Res** 1985;25(12):1993–7

[Posture and vision (review)] Peyresblanques J. **Annee Ther Clin Ophtalmol** 1985;36:159–70 (Fre)

[Comparison of several visual parameters after a year of work at terminal screens] Chevaleraud JP. **Bull Soc Ophtalmol Fr** 1985 Aug–Sep;85(8–9):879–82 (Fre)

[Electrophysiologic and sensory evaluation after unilateral implantation of an artificial lens] Delplace MP, et al. **Bull Soc Ophtalmol Fr** 1985 Jun–Jul;85(6–7):727–30 (Eng. Abstr.) (Fre)

[Comparison of the binocular results obtained in post-traumatic unilateral aphakia fitted with lenses or intraocular implants] Woillez M, et al. **Bull Soc Ophtalmol Fr** 1985 Feb;85(2):185–8 (Fre)

[Comparative neurobiology of the organization of ga.:-stabilizing reflex systems in vertebrates] Dieringer N. **Naturwissenschaften** 1986 Jun;73(6):299–304 (Eng. Abstr.) (Ger)

[Vision and work. II: A method of a study of visual function at work] Piccoli B, et al. **Med Lav** 1985 May–Jun; 76(3):238–45 (Eng. Abstr.) (Ita)

[Effect of aniseikonia on the binocular system as evaluated by pattern reversal VER] Katsumi O, et al. **Nippon Ganka Gakkai Zasshi** 1986 Feb;90(2):301–7 (Eng. Abstr.) (Jpn)

[Binocular vision in unilateral cataracts resolved by pseudophakos implantation] Corsatea L, et al. **Rev Chir [Oftalmol]** 1986 Apr–Jun;30(2):155–6 (Eng. Abstr.) (Rum)

DRUG EFFECTS

Lithium effects on ophthalmological-electrophysiological parameters in young healthy volunteers. Ullrich A, et al. **Acta Psychiatr Scand** 1985 Aug;72(2):113–9

Transdermal scopolamine: human performance and side effects. Gordon C, et al. **Aviat Space Environ Med** 1986 Mar;57(3):236–40

Action of synthetic pituitary neuropeptides on human visual function. Kolbanov VV, et al. **Hum Physiol** 1984 May–Jun; 10(3):169–74

Abnormal night vision and altered dark adaptometry in patients treated with isotretinoin for acne [letter] Denman S, et al. **J Am Acad Dermatol** 1986 Apr;14(4):692–3

Some visual effects caused by the beverage kava. Garner LF, et al. **J Ethnopharmacol** 1985 Jul;13(3):307–11

The effect of lead on photoreceptor response amplitude—influence of removing external calcium and bleaching rhodopsin. Sillman AJ, et al. **Neurotoxicology** 1986 Spring;7(1):1–8

Effects of diazepam and triazolam on auditory and visual thresholds and reaction times in the baboon. Lukas SE, et al. **Psychopharmacology (Berlin)** 1985;87(2):167–72

[The effect of cardiac glycosides on the visual system of man measured with cortical evoked potentials] Johnson D, et al. **Arzneimittelforschung** 1986 Feb;36(2):260–2 (Eng. Abstr.) (Ger)

[Effect of tobacco smoking on visual work capacity] Niurenberg OIu. **Vesta Oftalmol** 1986 Jan–Feb;102(1):42–4 (Eng. Abstr.) (Rus)

[Drug-induced ocular side effects—an overview] Berggren L. **Lakartidningen** 1986 May 7;83(19):1762–70 (12 ref.) (Swe)

PHYSIOLOGY

Objective evaluation of binocular function with pattern reversal VER. I. Effect of contrast. Katsumi O, et al. **Acta Ophthalmol (Copenh)** 1985 Dec;63(6):706–11

Single binocular vision. Clinical aspects. Oregersen E. **Acta Ophthalmol [Suppl] (Copenh)** 1985;173:50–3

Symposium on peripheral visual function. **Am J Optom Physiol Opt** 1986 Feb;63(2):91–162

Some constraints on peripheral visual functioning. Introduction. Bedell HE. **Am J Optom Physiol Opt** 1986 Feb;63(2):91–3

Electrophysiological assessment of contrast sensitivity in human infants. Norcia AM, et al. **Am J Optom Physiol Opt** 1986 Jan;63(1):12–5

Nonius horopter in projected viewing. Reading RW, et al. **Am J Optom Physiol Opt** 1986 Jan;63(1):52–7

Objective assessment of temporal modulation transfer functions using the focal ERG. Seiple WH, et al. **Am J Optom Physiol Opt** 1986 Jan;63(1):1–6

Clinical evaluation of ocular and visual functions in insulin-dependent juvenile diabetics. Spafford MM, et al. **Am J Optom Physiol Opt** 1986 Jul;63(7):505–19

Depth of focus and accommodation for sinusoidal gratings as a function of luminance. Tucker J, et al. **Am J Optom Physiol Opt** 1986 Jan;63(1):58–70

Electroretinogram and visual-evoked potential measurements in Holstein cows. Strain GM, et al. **Am J Vet Res** 1986 May;47(5):1079–81

Effects of light source spectral distribution upon visual functions. Blackwell HR. **Ann NY Acad Sci** 1985; 453:340–53

A circadian pacemaker for visual sensitivity? Terman M, et al. **Ann NY Acad Sci** 1985;453:147–61
Cyclic GMP cascade of vision. Stryer L.
Annu Rev Neurosci 1986;9:87–119 (154 ref.)
Visual deprivation in infancy and childhood: clinical aspects. Billson FA, et al. **Aust N Z J Ophthalmol** 1985 Aug; 13(3):279–86
The cat as a model for visual deprivation. Cleland BG, et al. **Aust N Z J Ophthalmol** 1985 Aug;13(3):263–9
Mild hypoxia and visual performance with night vision goggles. Leber LL, et al. **Aviat Space Environ Med** 1986 Apr;57(4):318–24
Vision in goldfish following bilateral tectal ablation. Schlumpf BE, et al. **Behav Brain Res** 1985 Dec;18(3):193–9
Linear behaviour in the aperture pupil of single photoreceptors: consequences related to the degree of inhomogeneity. Calvo ML. **Biol Cybern** 1986;54(3):201–10
Dynamics of L-type bipolar and phasic amacrine cells in the vertebrate cone retina. Siminoff R. **Biol Cybern** 1985; 53(2):125–35
The ontogeny of the laminar distribution of beta-adrenergic receptors in the visual cortex of cats, normally reared and dark-reared. Aoki C, et al. **Brain Res** 1986 Jun; 392(1–2):109–16
The effect of light on the spread of signals through the rod network of the salamander retina. Attwell D, et al. **Brain Res** 1985 Sep 16;343(1):79–88
Dopaminergic amacrine cells in the retina of Japanese dace. Chino YM, et al. **Brain Res** 1986 May 7;372(2):323–37
Response properties of single units in the accessory optic system of the dark-reared cat. Grasse KL, et al. **Brain Res** 1986 Jun;392(1–2):199–210
Responses to light of retinal neurons regenerating axons into peripheral nerve grafts in the rat. Keirstead SA, et al. **Brain Res** 1985 Dec 16;359(1–2):402–6
Synapse elimination in the developing visual cortex: a morphometric analysis in normal and dark-reared cats. O'Kusky JR. **Brain Res** 1985 Sep;354(1):81–91
Reversal of the physiological effects of monocular deprivation in adult dark-reared cats. Ramachandran VS, et al. **Brain Res** 1986 Mar 5;367(1–2):309–13
Changes in gain of the vestibulo-ocular reflex induced by sinusoidal visual stimulation in goldfish. Schairer JO, et al. **Brain Res** 1986 May 14;373(1–2):177–81
Changes in gain of the vestibulo-ocular reflex induced by combined visual and vestibular stimulation in goldfish. Schairer JO, et al. **Brain Res** 1986 May 14;373(1–2):164–76
Some effects of early monocular deprivation in the Mongolian gerbil. Wilkinson F, et al. **Brain Res** 1986 May; 391(2):276–9
Visual circadian rhythmicity in splitbrain crayfish: a plastic behavioral expression of symmetric circadian pacemakers. Barrera-Mera B. **Brain Res Bull** 1985 Aug;15(2):203–8
Effects of unusually early visual stimulation on the development of homing behavior in the rat pup. Kenny PA, et al. **Dev Psychobiol** 1986 Jan;19(1):57–66
Pattern reversal stimuli: motion or contrast? Dagnelie G, et al. **Doc Ophthalmol** 1986 Jan 15;61(3–4):343–9
Statistical evaluation of visual functions in dominant and recessive autosomal pigmentary retinopathy. De Rouck A, et al. **Doc Ophthalmol** 1986 Mar 31;62(3):265–80
Functional visual effects of lesions located near the optic nerve head. Enoch JM, et al. **Doc Ophthalmol** 1985 Nov 15;61(2):137–56
Evaluation of colour vision, mesopic vision, visual evoked potentials and lightness discrimination in adult amblyopes. Mtanda AT, et al. **Doc Ophthalmol** 1986 Mar 31; 62(3):247–64
Rapid contrast sweeping of steady-state visual evoked potentials: a new method for investigation of the visual system. Orban GA, et al. **Doc Ophthalmol** 1985 Oct 30; 61(1):7–16
Multiple sclerosis: abnormalities in luminance, chromatic, and temporal function at multiple retinal sites. Snelgar RS, et al. **Doc Ophthalmol** 1985 Aug 15;60(1):79–92
Lateral orientation and stabilization of human stance: static versus dynamic visual cues. Amblard B, et al. **Exp Brain Res** 1985;61(1):21–37
Alpha and beta cells projecting from retina to lamina A of the lateral geniculate nucleus in normal cats, monocularly deprived cats, and young kittens. Hsiao CF, et al. **Exp Brain Res** 1986;61(2):413–31
Variability in the effects of monocular deprivation on the optokinetic reflex of the non-deprived eye in the cat. Markner C, et al. **Exp Brain Res** 1985;61(1):117–27
Effects of neonatal monocular enucleation on the number of GAD-positive puncta in rat visual cortex. Ribak CE, et al. **Exp Brain Res** 1986;62(1):203–6
Parietal cortical neurons responding to rotary movement of visual stimulus in space. Sakata H, et al. **Exp Brain Res** 1986;61(3):658–63
Binocular summation in normal, monocularly deprived, and strabismic cats: visual evoked potentials. Sclar G, et al. **Exp Brain Res** 1986;62(1):1–10
Monocular acuity and stereopsis in infantile esotropia. Birch EE, et al. **Invest Ophthalmol Vis Sci** 1985 Nov; 26(11):1624–30
Interocular differences of the visual field in normal subjects. Brenton RS, et al. **Invest Ophthalmol Vis Sci** 1986 May; 27(5):799–805
Extended-wear soft contact lenses for vision studies in monkeys. Gammon JA, et al. **Invest Ophthalmol Vis Sci** 1985 Nov;26(11):1636–9
Suprathreshold responses of the visual system in normals and in demyelinating diseases. Medjbeur S, et al. **Invest Ophthalmol Vis Sci** 1986 Sep;27(9):1368–78
Quantitative assessment of disparity vergence components. Semmlow JL, et al. **Invest Ophthalmol Vis Sci** 1986 Apr; 27(4):558–64
Development of stereopsis in infants and young children. Gilman G, et al. **J Am Optom Assoc** 1985 Nov; 56(11):878–81
Evoked potential techniques in the evaluation of visual function. Celesia GG. **J Clin Neurophysiol** 1984 Jan; 1(1):55–76 (119 ref.)
Differential effect of visual deprivation on cytochrome oxidase levels in major cell classes of the cat LGN. Kageyama GH, et al. **J Comp Neurol** 1986 Apr 8; 246(2):212–37
The effects of monocular deprivation on the size of GAD+ neurons in the cat's dorsal lateral geniculate nucleus. Robson JA, et al. **J Comp Neurol** 1985 Sep 1;239(1):62–74
The contribution of different colour receptors to a motor output in the fly. Kirschfeld K, et al. **J Comp Physiol [A]** 1985 Oct;157(4):417–21
Electrical coupling of neuro-ommatidial photoreceptor cells in the blowfly. van Hateren JH. **J Comp Physiol [A]** 1986 Jun;158(6):795–811
The influence of physostigmine on visual-vestibular interaction in hereditary ataxias. Tijssen CC, et al. **J Neurol Neurosurg Psychiatry** 1985 Oct;48(10):977–81
Response properties of horizontal cells and photoreceptor cells in the retina of the tree squirrel, Sciurus carolinensis. Leeper HF, et al. **J Neurophysiol** 1985 Nov;54(5):1157–66
Modification of the discharge of lateral geniculate neurons during visual learning. Gibbs CM, et al. **J Neurosci** 1986 Mar;6(3):627–36
Eye-movement-dependent loss in vision and its time course during vergence. Manning KA. **J Neurosci** 1986 Jul; 6(7):1976–82
The effect of periarcuate lesions in the monkey on the performance of symmetrically and asymmetrically reinforced visual and auditory go, no-go tasks. Petrides M. **J Neurosci** 1986 Jul;6(7):2054–63
Long- and short-term monocular deprivation in the rhesus monkey: effects on visual fields and optokinetic nystagmus. Sparks DL, et al. **J Neurosci** 1986 Jun;6(6):1771–80
Maldevelopment of visual motion processing in humans who had strabismus with onset in infancy. Tychsen L, et al. **J Neurosci** 1986 Sep;6(9):2495–508
Incorporation of intraocular scattering in schematic eye models. Navarro R. **J Opt Soc Am [A]** 1985 Nov; 2(11):1891–4
Characteristic patterns of an inhomogeneous imaging system with an application to vision. Sirovich L, et al. **J Opt Soc Am [A]** 1986 Mar;3(3):358–64
The optic chiasm and the corpus callosum: their relationship to binocular vision in humans. Fisher NF. **J Pediatr Ophthalmol Strabismus** 1986 May-Jun; 23(3):126–31
Facilitation of vergence changes by saccades: influences of misfocused images and of disparity stimuli in man. Enright JT. **J Physiol (Lond)** 1986 Feb;371:69–87
Antigonadal actions of olfactory and light deprivation. I. Effects of blindness combined with olfactory bulb deafferentation, transection of vomeronasal nerves, or bulbectomy. Sánchez-Barceló EJ, et al. **J Pineal Res** 1985; 2(2):177–90
Analysis of visual scanning patterns of pistol shooters. Ripoll H, et al. **J Sports Sci** 1985 Summer;3(2):93–101
Visual function in the newborn [letter] **Lancet** 1986 Jul 5; 2(8497):47–8
Visual function in the newborn infant: is it cortically mediated? Dubowitz LM, et al. **Lancet** 1986 May 17; 1(8490):1139–41
Vision. Shortcomings of an eagle's eye [news] Martin GR. **Nature** 1986 Jan 30-Feb 5;319(6052):357
Serial and parallel processing of visual feature conjunctions. Nakayama K, et al. **Nature** 1986 Mar 20–26;320(6059):264–5
Early processing of colour and motion in a mosaic visual system. Franceschini N. **Neurosci Res [Suppl]** 1985; 2:S17–49
Morphological and electrophysiological studies of a multiple photoreceptive system in a marine gastropod, Onchidium. Katagiri Y, et al. **Neurosci Res [Suppl]** 1985;2:S1–15
Functional role of phosphodiesterase in gecko photoreceptors. Kawamura S, et al. **Neurosci Res [Suppl]** 1985;2:S119–25
Early events in visual transduction in Limulus photoreceptors. Lisman J, et al. **Neurosci Res [Suppl]** 1985; 2:S101–17
A possible amacrine cell substrate for the detection of stimulus motion. Masland RH, et al. **Neurosci Res [Suppl]** 1985;2:S185–59
Cyclic GMP controls rod phototransduction. Miller WH. **Neurosci Res [Suppl]** 1985;2:S127–32
The dependence of photoexcitation on the region of a single photoreceptor in the fly compound eye. Mimura K. **Neurosci Res [Suppl]** 1985;2:S51–64
Electrical properties of horizontal cell network in the carp retina. Takabayashi A, et al. **Neurosci Res [Suppl]** 1985; 2:S133–46
Correlations between photoresponse and morphology of amacrine cells in the carp retina. Teranishi T, et al. **Neurosci Res [Suppl]** 1985;2:S211–26
Electrical properties of ON-OFF transient amacrine cells in the carp retina. Watanabe S, et al. **Neurosci Res [Suppl]** 1985;2:S201–10
Binocular vision: its influence on the development of visual and postural reflex eye movements. Westall CA. **Ophthalmic Physiol Opt** 1986;6(2):139–43
Visual function in prolactinoma patients treated with bromocriptine. Moster ML, et al. **Ophthalmology** 1985 Oct; 92(10):1332–41
The primate retina contains two types of ganglion cells, with high and low contrast sensitivity. Kaplan E, et al. **Proc Natl Acad Sci USA** 1986 Apr;83(8):2755–7
Analog "neuronal" networks in early vision.Koch C, et al. **Proc Natl Acad Sci USA** 1986 Jun;83(12):4263–7
An alternative technique for the computation of the designator in the retinex theory of color vision. Land EH. **Proc Natl Acad Sci USA** 1986 May;83(10):3078–80
The effect of visual deprivation upon the basal dendrites of Meynert cells in the striate cortex of the monkey. Neal JW, et al. **Proc R Soc Lond [Biol]** 1985 Oct 22; 225(1241):411–23
Work with video display terminals among office employees. IV. Refraction, accommodation, convergence and binocular vision. Nyman KG, et al. **Scand J Work Environ Health** 1985 Dec;11(6):483–7
Multiple sensitive periods in the development of the primate visual system. Harwerth RS, et al. **Science** 1986 Apr 11; 232(4747):235–8
Vision guides the adjustment of auditory localization in young barn owls. Knudsen EI, et al. **Science** 1985 Nov 1;230(4725):545–8
Infant interocular acuity differences and binocular vision. Birch EE. **Vision Res** 1985;25(4):571–6
Scotopic sensitivity of the two-month-old human infant. Brown AM. **Vision Res** 1986;26(5):707–10
Motion perception during dichoptic viewing of moving random-dot stereograms. Erkelens CJ, et al. **Vision Res** 1985;25(4):583–8
Temporal modulation of the background affects the sensitization response of X- and Y-cells in the dLGN of cat. Essock EA, et al. **Vision Res** 1985;25(8):1007–19
Fechner's paradox in binocular contrast sensitivity. Gilchrist J, et al. **Vision Res** 1985;25(4):609–13
On the gekko pupil and Scheiner's disc. Murphy CJ, et al. **Vision Res** 1986;26(5):815–7
Visual sensitivity and Wiener kernels. Sakuranaga M, et al. **Vision Res** 1985;25(4):507–10
[Relation between the level of serum vitamin A and visual function] Feng AL. **Chung Hua I Hsueh Tsa Chih** 1985 Dec;65(12):743–6 **(Chi)**
[Control of visual exploration: anatomic and physiologic data] Mauguiere F. **J Fr Ophtalmol** 1985;8(12):803–12 (Eng. Abstr.) **(Fre)**
[An exemplary scientific debate: Mariotte, Pecquet and Perrault in search of the site of visual perception] Grmek MD. **Pubbl Sta Zool Napoli [II]** 1985;7(2):217–55 (Eng. Abstr.) **(Fre)**
[Methods of stimulation in visual electrophysiology] Grall Y, et al. **Rev Electroencephalogr Neurophysiol Clin** 1985 Sep;15(2):121–8 (Eng. Abstr.) **(Fre)**
[Uhthoff's sign associated with postmeningitic bilateral optic neuritis] Ohashi T, et al. **Nippon Ganka Gakkai Zasshi** 1986 Jun;90(6):782–6 (Eng. Abstr.) **(Jpn)**
[Transport, metabolism and the role of vitamin A in the vision process. I. Transport of vitamin A to eye tissues] Nowak JZ, et al. **Klin Oczna** 1985 Dec;87(12):509–11 (Eng. Abstr.) **(Pol)**
[Transport, metabolism and the role of vitamin A in the vision process. II. Metabolism of vitamin A in the visual cycle] Nowak JZ, et al. **Klin Oczna** 1985 Dec;87(12):512–3 (Eng. Abstr.) **(Pol)**
[Binocular rivalry in monocular observation of a homogeneous field and stabilized images] Rozhkova GI, et al. **Fiziol Cheloveka** 1985 May-Jun;11(3):360–7 **(Rus)**
[Mechanisms of early light and dark adaptation] Kravtsov AB, et al. **Fiziol Zh SSSR** 1985 Aug;71(8):965–70 (Eng. Abstr.) **(Rus)**
[Device for the joint study of visual tracking and speech activity] Karpova BA, et al. **Kosm Biol Aviakosm Med** 1985 Nov-Dec;19(6):80–2 **(Rus)**
[Effect of different oculomotor regimens on the development of the functional potentials of the eye] Bazarnyĭ VF, et al. **Oftalmol Zh** 1985;(4):243–7 **(Rus)**
[Dynamics of the indicators of electric sensitivity and lability of the visual system in patients treated by contact electric stimulation of the affected optic nerves] Nikol'skiĭ AV, et al. **Vestn Oftalmol** 1986 Mar-Apr;102(2):59–62 (Eng. Abstr.) **(Rus)**

VISION DISORDERS

27. meeting of Nordic Ophthalmologists. Proceedings. Arhus, Denmark, June 2–5, 1985.
Acta Ophthalmol [Suppl] (Copenh) 1985;173:1–110
The Association for Research in Vision and Ophthalmology Incorporated. Annual spring meeting. Sarasota, Florida, April 28–May 2, 1986. Abstracts.
Invest Ophthalmol Vis Sci 1986 Mar;27(3 Suppl):1–376
Books relevant to ophthalmology. **Ophthalmology** 1985 Aug; 92(8 Suppl):97–107
Two common neuro-ophthalmic problems. Optic neuritis

and transient visual disturbances. Melen O.
Postgrad Med 1985 Dec;78(8):137–40, 142–3, 146
[Entry of visually-imparied children into scholastic and socio-professional milieus] Peyresblanques J.
Annee Ther Clin Ophtalmol 1984;35:211–20 **(Fre)**
[Proceedings of the 78th general meeting of the Swiss Ophthalmology Society. 5–7 September 1985, St. Moritz]
Klin Monatsbl Augenheilkd 1986 May;188(5):339–552 **(Ger)**
[Late results of fistulizing iridocycloretraction and valvular trabeculotomy] Nesterov AP, et al. **Oftalmol Zh** 1985; (8):488–9 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Possible retinotoxic effect of carbamazepine. Nielsen NV, et al. **Acta Ophthalmol (Copenh)** 1986 Jun;64(3):287–90
Visual hallucinations. The unwanted effect of patient compliance. Gold N. **Aust Fam Physician** 1985 Aug; 14(8):785–6
Visual disturbances after experimental human exposure to triethylamine. Kesson BA, et al. **Br J Ind Med** 1985 Dec; 42(12):848–50
Intraocular injection of depomedrone. Andrew NC, et al. **Br J Ophthalmol** 1986 Apr;70(4):298–300
Ocular toxicity of Anandron in patients treated for prostatic cancer. Harnois C, et al. **Br J Ophthalmol** 1986 Jun; 70(6):471–3
Steroids, the eye, and general practitioners [letter] **Br Med J [Clin Res]** 1986 Jul 19;293(6540):205
Effect of tranquilizers on critical flicker fusion frequency in the visual system. Ben'kovich BI, et al. **Hum Physiol** 1984 Nov–Dec;10(6):435–9
Visual disturbances after industrial triethylamine exposure. Akesson B, et al. **Int Arch Occup Environ Health** 1986; 57(4):297–302
Transient visual anomalies associated with drug treatment for spastic colon. Applegate RA, et al.
J Am Optom Assoc 1986 Aug;57(8):604–6
Visual and auditory neurotoxicity in patients receiving subcutaneous deferoxamine infusions. Olivieri NF, et al. **N Engl J Med** 1986 Apr 3;314(14):869–73
Recent observations on the neurobehavioral toxicity of carbon disulfide. Merigan WH, et al. **Neurotoxicology** 1985 Winter;6(4):81–8
[Ocular findings in a mass poisoning with methyl alcohol] Cigánek L, et al. **Cesk Oftalmol** 1986 Feb;42(1):56–65 (Eng. Abstr.) **(Cze)**
[Application of a shuttle avoidance response in rats to evaluate a drug-induced visual impairment] Kameyama T, et al. **Nippon Yakurigaku Zasshi** 1985 Dec;86(6):385–91 (Eng. Abstr.) **(Jpn)**
[Belladonna poisoning after the use of hemorrhoid suppositories] Rudol'fi GA, et al. **Voen Med Zh** 1986 Apr; (4):58 **(Rus)**
[Drug-induced ocular side effects—an overview] Berggren L. **Lakartidningen** 1986 May 7;83(19):1762–70 (12 ref.) **(Swe)**

CLASSIFICATION

[Classification of heterophoria in children] Pospelov VI, et al. **Oftalmol Zh** 1986;(1):32–5 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Vision and reading disability: research problems. Simons HD, et al. **J Am Optom Assoc** 1986 Jan;57(1):36–42
Bitemporal hemianopsia and bilateral nasal quadranopsia with macular sparing. Castillo M, et al.
J Clin Neuro Ophthalmol 1985 Sep;5(3):213–5
Visual defects in mouse hypopigmentation mutants. Pinto LH, et al. **Neurosci Res [Suppl]** 1985;2:S239–51
Mucocele of the sphenoid sinus with the apex orbitae syndrome. Chen HJ, et al. **Surg Neurol** 1986 Jan;25(1):101–4
[Ophthalmogenic headache] Speiser P. **Ther Umsch** 1986 Mar;43(3):212–4 (Eng. Abstr.) **(Ger)**
[Oculomotor and visual sensory changes in the neurologically lesioned child] Campos EC, et al. **Pediatr Med Chir** 1985 Jan–Feb;7(1):57–62 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Visual illusion mimicking dyslexia. A case history. Hyvärinen L, et al. **Acta Ophthalmol (Copenh)** 1985 Oct;63(5):588–90
A device for testing malingering and binocular refraction. Abraham FA. **Am J Ophthalmol** 1986 May 15;101(5):613–4
Clinical evaluation of vertical fixation disparity. Part II. Reliability, stability, and association with refractive status, stereoacuity, and vertical heterophoria. Eskridge JB, et al. **Am J Optom Physiol Opt** 1985 Sep;62(9):579–84
Two modes of processing visual information: implications for assessing visual impairment. Post RB, et al.
Am J Optom Physiol Opt 1986 Feb;63(2):94–6
Screening 3-year-olds for visual problems. Are we gaining or falling behind? [editorial] Reinecke RD.
Arch Ophthalmol 1986 Jan;104(1):33
The Liverpool Visual Assessment Team: 10 years' experience. Hill AE, et al. **Child Care Health Dev** 1986 Jan–Feb;12(1):37–51
Minimum procedures for visual electrodiagnostic testing. Kooijman AC, et al. **Doc Ophthalmol** 1986 Jan 31; 62(1):13–8
A second visually impaired, mentally retarded male with pervasive developmental disorder, Tourette disorder and Ganser's syndrome: diagnostic classification and treatment. Kerbeshian J, et al. **Int J Psychiatry Med** 1986–87; 16(1):67–75
The infant with poor vision. Kivlin JD.
Int Ophthalmol Clin 1984 Spring;24(1):1–14
Visual acuity: an unimportant visual function? Bartlett JD.
J Am Optom Assoc 1986 Apr;57(4):269
Visual acuity screening of infants and young children with the acuity card procedure. Dobson V, et al.
J Am Optom Assoc 1986 Apr;57(4):284–9
Visual disorders in emotionally disturbed children [letter] Worrall RS. **J Am Optom Assoc** 1986 Apr;57(4):282
Reading disability: a discussion of visual, auditory, and linguistic factors. Worrall RS. **J Am Optom Assoc** 1986 Jan;57(1):60–4
Fully automated screening procedure for early detection of visual field defects. Postaire JG, et al. **J Biomed Eng** 1986 Apr;8(2):156–61
Evaluation of diagnostic capabilities of interactive test strategies in automated perimetry. Mills RP.
Ophthalmology 1985 Sep;92(9):1181–6
Progressive visual loss with normal examination. A conundrum. Slamovits TL, et al. **Surv Ophthalmol** 1986 Jan–Feb;30(4):251–7
Delayed visual maturation. Fielder AR, et al.
Trans Ophthalmol Soc UK 1985;104 (Pt 6):653–61
Traditional clinical methods of visual assessment in childhood. Willshaw HE. **Trans Ophthalmol Soc UK** 1985; 104 (Pt 6):641–5 (39 ref.)
The use of a system analysis approach to electrodiagnostic (ERG and VEP) assessment. Spekreijse H, et al.
Vision Res 1986;26(1):195–219
[Simultaneous torticollometry in the analysis of head and eye movements] Sradj N. **Bull Soc Belge Ophtalmol** 1986; 213:69–76 (Eng. Abstr.) **(Dut)**
[Current practical perimetry] Lavergne G.
Annee Ther Clin Ophtalmol 1985;36:171–5 (Eng. Abstr.) **(Fre)**
[Psychogenically-induced visual function disorders in children] Koniszewski G, et al. **Fortschr Ophthalmol** 1985; 82(5):457–8 (Eng. Abstr.) **(Ger)**
[Visual evoked cortical potential-vision determination in low visual acuity] Raile A. **Fortschr Ophthalmol** 1986; 83(3):370–3 (Eng. Abstr.) **(Ger)**
[Disorders of binocular vision in amblyopic patients working at computer terminals] Stangler-Zuschrott E, et al.
Klin Monatsbl Augenheilkd 1985 Nov;187(5):383–4 (Eng. Abstr.) **(Ger)**
[Computerized perimetry in neuro-ophthalmologic diagnosis] Gruber H. **Wien Klin Wochenschr** 1985 Aug 9;97(15):620–2 (Eng. Abstr.) **(Ger)**
[Comparative study on findings in brain computed tomography (Xray-CT) and dynamic topography of VEP (VDT)] Matsuura M. **Nippon Ganka Gakkai Zasshi** 1985 Aug;89(8):919–27 (Eng. Abstr.) **(Jpn)**
[Application of a response duration schedule in rats to evaluate visual and/or auditory threshold] Nabeshima T, et al. **Nippon Yakurigaku Zasshi** 1985 Dec;86(6):393–400 (Eng. Abstr.) **(Jpn)**
[Experience with ophthalmological outpatient care of nursery-aged children] Kas'ian TM. **Oftalmol Zh** 1986; (1):21–3 (Eng. Abstr.) **(Rus)**
[Methodologic approaches to broadening the diagnostic capabilities of clinical electroretinography] Shcherbatova OI, et al. **Vestn Oftalmol** 1985 Sep–Oct;101(5):55–9 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Xanthopsia treated with thiamine. von Eyben FE, et al.
Acta Ophthalmol (Copenh) 1985 Oct;63(5):591–2

ETIOLOGY

Dural malformations with ophthalmic manifestations: results of particulate embolization in seven patients. Grossman RI, et al. **AJNR** 1985 Sep–Oct;6(5):809–13
Visual impairment, pituitary dysfunction, and hilar adenopathy in a young man [clinical conference]
Am J Med 1986 Feb;80(2):259–68
Color vision deficiencies in two cases of digoxin toxicity. Chuman MA, et al. **Am J Ophthalmol** 1985 Nov 15; 100(5):682–5
Ocular pseudomigraine after posterior chamber intraocular lens implantation. Coppeto JR, et al. **Am J Ophthalmol** 1986 Sep 15;102(3):393–4
Paralysis of convergence caused by mushroom poisoning. Gilad E, et al. **Am J Ophthalmol** 1986 Jul 15;102(1):124–5
Visual loss from choroidal ischemia. Kinyoun JL, et al.
Am J Ophthalmol 1986 Jun 15;101(6):650–6
Optical aberrations from a well-centered intraocular lens implant. Rosner M, et al. **Am J Ophthalmol** 1986 Jan 15; 101(1):117–8
Disease-associated visual image degradation and spherical refractive errors in children. Nathan J, et al.
Am J Optom Physiol Opt 1985 Oct;62(10):680–8
Visual evoked potential correlates of laser flashblindness in rhesus monkeys. II. Doubled-neodymium laser flashes. Previc FH, et al. **Am J Optom Physiol Opt** 1985 Sep; 62(9):626–32
Vitamin E deficiency associated with vision loss and bulbar weakness. Larsen PT, et al. **Ann Neurol** 1985 Dec; 18(6):725–7
Reversible visual loss following optic nerve injury. Marouf L, et al. **Ann Ophthalmol** 1985 Sep;17(9):582–4
Gradual loss and recovery of vision in temporal arteritis. Lipton RB, et al. **Arch Intern Med** 1985 Dec;145(12):2252–3
Permanent visual impairment in childhood pseudotumor cerebri. Lessell S, et al. **Arch Neurol** 1986 Aug;43(8):801–4
Visual loss in pseudotumor cerebri of childhood. A follow-up study. Baker RS, et al. **Arch Ophthalmol** 1985 Nov; 103(11):1681–6
Sudden loss of vision. Stark DJ. **Aust Fam Physician** 1985 Aug;14(8):751–3
Risk of sudden visual loss following trabeculectomy in advanced primary open-angle glaucoma. Aggarwal SP, et al. **Br J Ophthalmol** 1986 Feb;70(2):97–9
Spielmeyer-Vogt's disease—a case report. Meire F, et al.
Bull Soc Belge Ophtalmol 1984;210:87–91
Unexpected diagnoses. Neetens A, et al.
Bull Soc Belge Ophtalmol 1984;210:137–47
Dorsal midbrain syndrome in multiple sclerosis with magnetic resonance imaging correlation. Costantino A, et al. **Can J Neurol Sci** 1986 Feb;13(1):62–5
Transient visual loss and occult migraine [letter] Ross RT.
Can J Neurol Sci 1985 Aug;12(3):282
Visual dysfunction with basal skull tumours. Sharpe JA.
Can J Neurol Sci 1985 Nov;12(4):332–5
Causes of visual impairment in children. van der Pol BA.
Doc Ophthalmol 1986 Jan 15;61(3–4):223–8
Autoimmune basis for visual paraneoplastic syndrome. Fine RM. **Int J Dermatol** 1985 Oct;24(8):509
Optic neuropathy in sarcoidosis. Graham EM, et al.
J Neurol Neurosurg Psychiatry 1986 Jul;49(7):756–63
Benign intracranial hypertension: visual loss and optic nerve sheath fenestration. Knight RS, et al.
J Neurol Neurosurg Psychiatry 1986 Mar;49(3):243–50
Ocular manifestations of carotid artery atheroma. Kirshner RL, et al. **J Vasc Surg** 1985 Nov;2(6):850–3
Aneurysmal compression of the anterior visual pathways. Norwood EG, et al. **Neurology** 1986 Aug;36(8):1035–41
Metamorphopsia and permanent cortical blindness after a posterior fossa tumor. Brau RH, et al. **Neurosurgery** 1986 Aug;19(2):263–6
Visual recovery after transsphenoidal removal of pituitary adenomas. Cohen AR, et al. **Neurosurgery** 1985 Sep; 17(3):446–52
Delayed chiasmal decompression after transsphenoidal operation for a pituitary adenoma. Goldman JA, et al.
Neurosurgery 1985 Dec;17(6):962–4
Reversal of visual impairment after interstitial irradiation of pituitary tumor. Kumar PP, et al. **Neurosurgery** 1986 Jan; 18(1):82–4
Ocular complication of combined intracarotid chemotherapy and osmotic blood-brain barrier disruption. Suda K, et al.
Nippon Geka Hokan 1985 Sep 1;54(5):359–63
Radiation and the ageing eye. Marshall J.
Ophthalmic Physiol Opt 1985;5(3):241–63 (92 ref.)
Optical problems following refractive surgery. Binder PS.
Ophthalmology 1986 Jun;93(6):739–45
Visual impairment following radial keratotomy. A cluster of cases. O'Day DM, et al. **Ophthalmology** 1986 Mar; 93(3):319–26
Visual and ocular changes in VDU operators. Dain S, et al. **Public Health** 1985 Sep;99(5):275–87
Visual disturbance and carotid artery disease. 500 symptomatic patients studied by non-invasive carotid artery testing including B-mode ultrasonography. Gaul JJ, et al. **Stroke** 1986 May-Jun;17(3):393–8
Seeing but not recognizing. Trobe JR, et al.
Surv Ophthalmol 1986 Mar-Apr;30(5):328–36
Visual deficits and retinotoxicity caused by the naturally occurring anthelmintics, Embelia ribes and Hagenia abyssinica. Low G, et al. **Toxicol Appl Pharmacol** 1985 Nov;81(2):220–30
[Ischemia of the optic nerve papilla] Keunen RW, et al.
Ned Tijdschr Geneeskd 1985 Aug 31;129(35):1684–7 (Eng. Abstr.) **(Dut)**
[Dyschromatopsia in optic neuropathies. Classification] Lanthony P. **Bull Soc Ophtalmol Fr** 1985 Mar;85(3):385–9 (Eng. Abstr.) **(Fre)**
[Balint syndrome as a result of a biparietal infarct. Neuropsychological analysis] Rousseaux M, et al.
Cortex 1986 Jun;22(2):267–77 (Eng. Abstr.) **(Fre)**
[Mucoceles of the sphenoid sinus and their ophthalmological manifestations] Hamard H, et al. **J Fr Ophtalmol** 1985; 8(10):645–52 (Eng. Abstr.) **(Fre)**
[Vision and work on a video screen (editorial)] Perdriel G.
J Fr Ophtalmol 1986;9(2):103–4 **(Fre)**
[Pseudo-optic neuritis as a manifestation of craniopharyngioma (2 cases)] Vighetto A, et al.
Rev Neurol (Paris) 1985;141(6–7):490–2 (Eng. Abstr.) **(Fre)**
[Sensory and motor disorders of the visual organs in intracranial diseases. Abstracts]
Klin Monatsbl Augenheilkd 1985 Aug;187(2):151–9 **(Ger)**
[Headache and vision disorders] Brunner K, et al.
Schweiz Rundsch Med Prax 1986 May 27;75(22):671–4 (Eng. Abstr.) **(Ger)**
[Neuro-ophthalmologic findings in tumors of ventricles I–III] Skrzypczak J, et al. **Zentralbl Neurochir** 1986; 47(1):28–31 (Eng. Abstr.) **(Ger)**
[Wide visual damage in glaucoma. Why does it arise and how can it be prevented?] Odberg T.

Tidsskr Nor Laegeforen 1986 Feb 28;106(6):479–81 (Eng. Abstr.) (Nor)
[Visual function in Down's syndrome] Riise R.
Tidsskr Nor Laegeforen 1986 Feb 10;106(4):317–9 (Eng. Abstr.) (Nor)
[Neuro-ophthalmologic symptoms in the immediate period after rupture of an aneurysm of the cerebral vessels] Stegaeva OIu. Zh Nevropatol Psikhiatr 1985;85(9):1313–7 (Eng. Abstr.) (Rus)

FAMILIAL & GENETIC

A variant of the "DIDMOAD" syndrome (diabetes insipidus, diabetes mellitus, optic atrophy and deafness). Friedman E, et al. Clin Genet 1986 Jan;29(1):79–82
Familial dystonia and visual failure with striatal CT lucencies. Marsden CD, et al. J Neurol Neurosurg Psychiatry 1986 May;49(5):500–9

HISTORY

[Johann Sebastian Bach's eye operation and his surgeon Sir John Taylor] Lindeboom GA. Ned Tijdschr Geneeskd 1985 Dec 21;129(51):2458–62 (Dut)
["Camp eyes", a recollection]Stahlie TD.
Ned Tijdschr Geneeskd 1985 Aug 10;129(32):1532–5 (Dut)

OCCURRENCE

Ophthalmologic prognosis in benign intracranial hypertension. Krogsaa B, et al.
Acta Ophthalmol (Suppl) (Copenh) 1985;173:62–4
Lessons from the Visual Acuity Impairment Survey pilot study. Ederer F, et al. Am J Public Health 1986 Feb; 76(2):160–5
Deteriorating vision: an occupational risk for the medical student [letter] Shulkin DJ, et al. Arch Ophthalmol 1986 Sep;104(9):1274
Vision in childhood. Peckham CS. Br Med Bull 1986 Apr; 42(2):150–4 (33 ref.)
The prevalence of visual disorders in a school for emotionally disturbed children. Lieberman S. J Am Optom Assoc 1985 Oct;56(10):800–3
Assessment of visual status of the population in seven regions of Ethiopia. Cerulli L, et al.
Rev Int Trach Pathol Oculi Trop Subtrop Sante Publique 1984;(2–4):127–42 (Eng, Fre)
[Detection of visual anomalies in children of 10 months, 2 and 4 years of age. Child health evaluation] Rossignol C, et al. J Fr Ophtalmol 1985;8(8–9):549–54 (Eng. Abstr.) (Fre)
[Organization of the detection and treatment of ocular pathology in preschool children under the annual outpatient care in Moscow] Kovalevskil EI, et al.
Oftalmol Zh 1986;(1):1–5 (Eng. Abstr.) (Rus)
[Evaluation of the functional capacity of the macular area according to the results of the photo-stress test in welders] Dobromyslov AN, et al. Vestn Oftalmol 1985 Sep-Oct; 101(5):33–6 (Eng. Abstr.) (Rus)

PATHOLOGY

Pathologic findings of an explanted silicone intraocular lens. Newman DA, et al. J Cataract Refract Surg 1986 May; 12(3):292–7

PHYSIOPATHOLOGY

Disturbances of binocular function in the postural deficiency syndrome. Martins da Cunha H, et al. Agressologie 1986 Jan;27(1):63–7
Comparison of visual field defects in normal-tension glaucoma and high-tension glaucoma. King D, et al.
Am J Ophthalmol 1986 Feb 15;101(2):204–7
Nonaccommodative convergence excess. von Noorden GK, et al. Am J Ophthalmol 1986 Jan 15;101(1):70–3
Comparative monocular contributions to brightness in relation to abnormal stereothreshold. Davis J, et al.
Am J Optom Physiol Opt 1985 Oct;62(10):689–93
Divergence insufficiency: characteristics, diagnosis, and treatment. Scheiman M, et al.
Am J Optom Physiol Opt 1986 Jun;63(6):425–31 (36 ref.)
Components of visual attention. Alterations in response pattern to visual stimuli following parietal lobe infarction. Baynes K, et al. Brain 1986 Feb;109 (Pt 1):99–114
A study of systematic visual perseveration involving central mechanisms. Blythe IM, et al. Brain 1986 Aug;109 (Pt 4):661–75
Temporal frequency discrimination in optic neuritis and multiple sclerosis. Plant GT, et al. Brain 1985 Sep;108 (Pt 3):647–76
Eye and head movements of visually impaired children. Jan JE, et al. Dev Med Child Neurol 1986 Jun;28(3):285–93
Importance of pathological intraocular light scatter for visual disability. van den Berg TJ. Doc Ophthalmol 1986 Jan 15; 61(3–4):327–33
Visual field defects for vergence eye movements and for stereomotion perception. Regan D, et al.
Invest Ophthalmol Vis Sci 1986 May;27(5):806–19
Monocular and binocular optokinetic nystagmus in humans with defective stereopsis. van Hof-van Duin J, et al.
Invest Ophthalmol Vis Sci 1986 Apr;27(4):574–83
Psychophysics of reading. IV. Wavelength effects in normal and low vision. Legge GE, et al. J Opt Soc Am [A] 1986 Jan;3(1):40–51
Impaired vision in dim light [letter] Chepko MD. JAMA 1986 Jun 27;255(24):3361
Functional visual field of patients with visual field loss. Ikeda F, et al. Jpn J Ophthalmol 1985;29(2):222–37
Contrast sensitivity in Parkinson's disease. Bulens C, et al. Neurology 1986 Aug;36(8):1121–5
Functional visual loss in children. Cataloso RA, et al.
Ophthalmology 1986 Mar;93(3):385–90
[Improvement in glaucomatous perimetric deficits (letter)] Sellem E. J Fr Ophtalmol 1985;8(12):819–20 (Fre)
[Results of neurophysiologic studies in ophthalmic migraine] Sack G, et al. Psychiatr Neurol Med Psychol (Leipz) 1986 May;38(5):246–54 (Eng. Abstr.) (Ger)

PREVENTION & CONTROL

Screening for visual defects in preschoolchildren. Ingram RM, et al. Br J Ophthalmol 1986 Jan;70(1):16–21
Health screening in schools. Part I. Cross AW. J Pediatr 1985 Oct;107(4):487–94 (57 ref.)
Precision jobs increase need for vision screening program. Gates AG. Occup Health Saf 1984 Nov-Dec;53(10):95–9
Should pre-school children be screened for visual defects? Ingram RM. Trans Ophthalmol Soc UK 1985;104 (Pt 6):646–7
Screening? Taylor D. Trans Ophthalmol Soc UK 1985;104 (Pt 6):637–40
[Organization, methods and results of examining preschool children] Dukhanina EI. Oftalmol Zh 1986;(1):16–8 (Eng. Abstr.) (Rus)
[Our experience in conducting prophylactic examinations of the preschool population in Rovno Province] Gorka VI, et al. Oftalmol Zh 1986;(1):23–4 (Eng. Abstr.) (Rus)
[Prophylactic work experience in protecting the vision of preschool children in Donetsk Province] Krasnikov PG, et al. Oftalmol Zh 1986;(1):15–6 (Eng. Abstr.) (Rus)
[Organization and methodology of prophylactic ophthalmological examinations for children] Seniakina AS, et al. Oftalmol Zh 1986;(1):5–9 (Eng. Abstr.) (Rus)
[Methodology for performing mass prophylactic eye examinations in preschool institutions] Vatchenko AA, et al. Oftalmol Zh 1986;(1):12–4 (Eng. Abstr.) (Rus)

PSYCHOLOGY

Dissociated perception of a visual defect. Bender AL.
J Nerv Ment Dis 1984 Jun;172(6):364–8 (31 ref.)
Micropsia: Lilliput revisited [letter] Schneck JM.
NY State J Med 1986 Jun;86(6):321
[Psychogenic vision disorders in children] Moesler TA, et al. Fortschr Med 1985 Dec 12;103(46):1065–70 (Eng. Abstr.) (Ger)

REHABILITATION

Control of eye movement with peripheral vision: implications for training of eccentric viewing. Peli E.
Am J Optom Physiol Opt 1986 Feb;63(2):113–8
[The ophthalmologist confronts the rehabilitation of blind persons and the visually impaired] Boissin JP.
Bull Soc Belge Ophtalmol 1984–85;212:73–6 (Fre)
[Vision aids for multiple sclerosis patients] Frieling E, et al. Dtsch Med Wochenschr 1986 Feb 7;111(6):211–5 (Eng. Abstr.) (Ger)
[Hygienic basis for the levels of illumination for students with reduced visual acuity] Vasil'kov VN, et al. Gig Sanit 1986 Mar;(3):33–5 (Eng. Abstr.) (Rus)
[Methodological basis of the occupational screening of persons with poor vision for assembly line work] Linetskil SG, et al. Gig Tr Prof Zabol 1986 Jun;(6):48–50 (Rus)

SURGERY

Glare measurements before and after neodymium-YAG laser posterior capsulotomy. Knighton RW, et al.
Am J Ophthalmol 1985 Nov 15;100(5):708–13

THERAPY

Treatment of small undercorrections and overcorrections in radial keratotomy [letter] Karlin JD. Arch Ophthalmol 1986 Feb;104(2):177
Position statement on vision therapy. J Am Optom Assoc 1985 Oct;56(10):782–3
Eye and vision care in Japan. Bailey RN.
J Am Optom Assoc 1986 Apr;57(4):271–2
Failure to warn. Gold AR. J Am Optom Assoc 1986 Apr; 57(4):317–8
NoIRs and low vision. Maino JH, et al.
J Am Optom Assoc 1986 Jul;57(7):532–5
An itinerant model for delivery of clinical low vision services in a rural community. Martel JE. J Am Optom Assoc 1985 Sep;56(9):720–3
The efficacy of visual therapy: accommodative disorders and non-strabismic anomalies of binocular vision. Suchoff IB, et al. J Am Optom Assoc 1986 Feb;57(2):119–25
Non-optical aids. Williams DR. J Am Optom Assoc 1986 Aug;57(8):608–15
[Binocular vision in congenital glaucoma] Zato MA, et al. J Fr Ophtalmol 1985;8(5):401–3 (Eng. Abstr.) (Fre)
[Optical visual aids in school sports] Klimt F, et al.
Off Gesundheitswes 1986 Jun;48(6):284–8 (Eng. Abstr.) (Ger)

VISION, ENTOPTIC see under VISION

VISION TESTS

Visual acuity in newborn and preterm infants measured with grating acuity cards. Brown AM, et al.
Am J Ophthalmol 1986 Aug 15;102(2):245–53
Computerized scoring and graphing of the Farnsworth-Munsell 100-hue color vision test. Lugo M, et al. Am J Ophthalmol 1986 Apr 15;101(4):469–74
Comparative study of electrophysiological and psychophysical measurement of the contrast sensitivity function in humans. Allen D, et al.
Am J Optom Physiol Opt 1986 Jun;63(6):442–9
An esophoric shift associated with sustained fixation. Birnbaum MH. Am J Optom Physiol Opt 1985 Nov; 62(11):732–5
Does the Howard-Dolman really measure stereoacuity? Larson WL. Am J Optom Physiol Opt 1985 Nov; 62(11):763–7
Visual field examination in glaucoma. Mikelberg FS.
Am J Optom Physiol Opt 1986 Jun;63(6):477–82
Nonius horopter in projected viewing. Reading RW, et al.
Am J Optom Physiol Opt 1986 Jan;63(1):52–7
Steady-state accommodation response to different Snellen letter sizes. Tan RK, et al. Am J Optom Physiol Opt 1985 Nov;62(11):751–4
Forced vergence fixation disparity curves at distance and near in an asymptomatic young adult population. Wick B.
Am J Optom Physiol Opt 1985 Sep;62(9):591–9
Comparisons among Snellen, psychophysical, and evoked potential visual acuity determinations. Wiener DE, et al.
Am J Optom Physiol Opt 1985 Oct;62(10):669–79
Random Dot E stereogram [letter] Campos EC.
Arch Ophthalmol 1986 Aug;104(8):1114
A Random Dot E stereogram for the vision screening of children. Hammond RS, et al. Arch Ophthalmol 1986 Jan; 104(1):54–60
Binocular luminance summation in infants. A test for stereopsis? Romano P, et al. Arch Ophthalmol 1985 Dec; 103(12):1840–1
Objective evaluation of sensorial and sensorimotorial status in esotropia: their importance in surgical prognosis. Bagolini B. Br J Ophthalmol 1985 Oct;69(10):725–8
Macular dazzling test on normal subjects. Gomez-Ulla F, et al. Br J Ophthalmol 1986 Mar;70(3):209–13
Improvement of photostress recovery testing after extracranial-intracranial bypass surgery. Katz B, et al.
Br J Ophthalmol 1986 Apr;70(4):277–80
Arabic reading types. Al-Salem M. Br J Ophthalmol 1986 Apr;70(4):314–6
The Dunlop test and reading in primary school children. Stein JF, et al. Br J Ophthalmol 1986 Apr;70(4):317–20
Determinations of the horopter in esotropia. Reading RW.
Doc Ophthalmol 1985 Nov 15;61(2):175–81
The role of the primary care physician in eye care. Reynolds JD, et al. J Arkansas Med Soc 1985 Nov;82(6):256–8
Reply to editorial "School vision testing" [letter]Lieberman S, et al. J Pediatr Ophthalmol Strabismus 1986 Jan–Feb; 23(1):48, 51–2
Binocular Polaroid test. Nuzzi G.
J Pediatr Ophthalmol Strabismus 1986 Jan–Feb;23(1):31–3
Preferential-looking acuity and stereopsis in infantile esotropia. Stager DR, et al.
J Pediatr Ophthalmol Strabismus 1986 Jul–Aug;23(4):160–5
Eye findings in twins reared apart. Knobloch WH, et al.
Ophthalmic Paediatr Genet 1985 Feb;5(1–2):59–66
The 'flicker test' according to Aulhorn in the diagnosis of acute optic neuritis. Christ T, et al. Ophthalmologica 1986; 192(4):220–7
Assessment of young amblyopes. Array vs. single picture acuities. Rodier DW, et al. Ophthalmology 1985 Sep; 92(9):1197–202
Contrast sensitivity testing in pseudotumor cerebri. Wall M.
Ophthalmology 1986 Jan;93(1):4–7
American Academy of Pediatrics Committee on Practice and Ambulatory Medicine: Vision screening and eye examination in children. Pediatrics 1986 Jun;77(6):918–9
Color vision tests to identify elevated digoxin levels. LeSage JM, et al. Res Nurs Health 1986 Jun;9(2):171–7
Vision screening and eye examination of school children. Mäntyjärvi M. Scand J Prim Health Care 1985 Nov; 3(4):223–6
Near visual acuity tests using Chinese characters and the logMAR principle. Johnston AW. Singapore Med J 1985 Oct;26(6):448–55
Progressive visual loss with normal examination. A conundrum. Slamovits TL, et al. Surv Ophthalmol 1986 Jan–Feb;30(4):251–7
Traditional clinical methods of visual assessment in childhood. Willshaw HE. Trans Ophthalmol Soc UK 1985; 104 (Pt 6):641–5 (39 ref.)
[Evaluation of visual function in the child under 4 years of age] Hache JC, et al. Annee Ther Clin Ophtalmol 1984; 35:203–10 (Eng. Abstr.) (Fre)
[The nontherapeutic use of lasers] Perdriel G, et al.
Annee Ther Clin Ophtalmol 1985;36:133–40 (Eng. Abstr.) (Fre)
[Evaluation of macular functional capacity by helium-neon laser interferometry] Schraub M, et al. J Fr Ophtalmol 1985;8(5):427–32 (Eng. Abstr.) (Fre)
[Optotype visual acuity in media opacities] Wesemann W.

Fortschr Ophthalmol 1985;82(4):395-7 (Eng. Abstr.) (Ger)

[Application of a shuttle avoidance response in rats to evaluate a drug-induced visual impairment] Kameyama T, et al. Nippon Yakurigaku Zasshi 1985 Dec;86(6):385-91 (Eng. Abstr.) (Jpn)

[Application of a response duration schedule in rats to evaluate visual and/or auditory threshold] Nabeshima T, et al. Nippon Yakurigaku Zasshi 1985 Dec;86(6):393-400 (Eng. Abstr.) (Jpn)

[Clinico-applied value of the light-macular test] Markov Ts. Oftalmol Zh 1986;(2):102-5 (Eng. Abstr.) (Rus)

[Method of detecting bifixation] Sergienko NM, et al. Vestn Oftalmol 1985 Sep-Oct;101(5):37-9 (Eng. Abstr.) (Rus)

HISTORY

[Snellen's letter chart] Keunen JE. Ned Tijdschr Geneeskd 1986 Jan 25;130(4):173-6 (Dut)

INSTRUMENTATION

A device for testing malingering and binocular refraction. Abraham FA. Am J Ophthalmol 1986 May 15;101(5):613-4

Low contrast charts effectively differentiate between types of blur. Ho A, et al. Am J Optom Physiol Opt 1986 Mar; 63(3):202-8

Random Dot E Stereogram [letter] Schechter RJ. Arch Ophthalmol 1986 Jun;104(6):799

A microprocessor-driven one-operator forced-choice preferential looking apparatus. Gole GA, et al. Aust N Z J Ophthalmol 1985 May;13(2):165-9

Picture test cards for vision of the Chinese preschool children. Sun BC, et al. Chin Med J [Engl] 1984 Nov; 97(11):791-4

Snellen and S-chart acuity [letter] Kirschen DG, et al. J Am Optom Assoc 1985 Oct;56(10):768-9

Refractive error and preferential looking visual acuity in human infants: a pilot study. Kohl P, et al. J Am Optom Assoc 1986 Apr;57(4):290-6

Clinical assessment of the PL 20/20 Infant Vision Tester. Stebbins AL. J Am Optom Assoc 1986 Jun;57(6):466-9

Potential acuity meter to predict postoperative visual acuity. Ing MR. J Cataract Refract Surg 1986 Jan;12(1):34-5

[The stereo dots test] Cigánek L, et al. Cesk Oftalmol 1986 Mar;42(2):121-3 (Eng. Abstr.) (Cze)

[Device for the diagnosis and measurement of aniseikonia] Aliev AG. Oftalmol Zh 1986;(3):189-91 (Rus)

[Dynamic refraction and accommodation studied on an accommodation-convergence trainer (AKT-02)] Avetisov ES, et al. Vestn Oftalmol 1985 Jul-Aug;101(4):57-9 (Rus)

METHODS

Objective evaluation of binocular function using the pattern reversal visual evoked response. II. Effect of mean luminosity. Katsumi O, et al. Acta Ophthalmol (Copenh) 1986 Apr;64(2):199-205

Objective evaluation of binocular function with pattern reversal VER. I. Effect of contrast. Katsumi O, et al. Acta Ophthalmol (Copenh) 1985 Dec;63(6):706-11

Central contrast sensitivity tests in the detection of early glaucoma. Lundh BL. Acta Ophthalmol (Copenh) 1985 Oct; 63(5):481-6

Central and peripheral contrast sensitivity for static and dynamic sinusoidal gratings in glaucoma. Lundh BL. Acta Ophthalmol (Copenh) 1985 Oct;63(5):487-92

The longitudinal horopter in exotropia. Reading RW. Acta Ophthalmol (Copenh) 1985 Dec;63(6):712-5

A new method for exact measurements of visual acuity. Determination of threshold curves for the resolving power of the eye by computerized curve fitting. Tinning S, et al. Acta Ophthalmol (Copenh) 1986 Apr;64(2):180-6

Contour interaction in the preschool child. Fern KD, et al. Am J Optom Physiol Opt 1986 May;63(5):313-8

Optics of photoretinoscopy: results from ray tracing. Howland HC. Am J Optom Physiol Opt 1985 Sep; 62(9):621-5

Contrast sensitivity function as a screening test: a critique. Legge GE, et al. Am J Optom Physiol Opt 1986 Apr; 63(4):265-70

Monocular acuity in normal infants: the acuity card procedure. McDonald M, et al. Am J Optom Physiol Opt 1986 Feb;63(2):127-34

The Parsons visual acuity test for screening children 18 to 48 months old. Cibis GW, et al. Ann Ophthalmol 1985 Aug; 17(8):471-5, 478

Vanishing optotypes. New type of acuity test letters. Frisén L. Arch Ophthalmol 1986 Aug;104(8):1194-8

Screening 3-year-olds for visual problems [letter] Lang J. Arch Ophthalmol 1986 Aug;104(8):1113-4

Handlight retroillumination in HOTV visual acuity testing [letter] Rubenstein JB, et al. Arch Ophthalmol 1985 Nov; 103(11):1634

Stereoacuity testing does not replace visual acuity testing [letter] von Noorden GK. Arch Ophthalmol 1986 Aug; 104(8):1112-3

Reliability of fixation preference testing in diagnosing amblyopia. Wright KW, et al. Arch Ophthalmol 1986 Apr; 104(4):549-53

Results of a shortened lightness discrimination test. Pinckers A, et al. Bull Soc Belge Ophtalmol 1984;210:149-53

Comparison of six colour vision tests for occupational screening. Mäntyjärvi M, et al. Int Arch Occup Environ Health 1986;58(1):53-9

Visual acuity screening of infants and young children with the acuity card procedure. Dobson V, et al. J Am Optom Assoc 1986 Apr;57(4):284-9

Testing visual capabilities for medical surveillance or to ensure job fitness. Wolbarsht ML, et al. J Occup Med 1985 Dec;27(12):897-901

Rapid technique for detecting "blurred vision" in diseases of primary visual pathways [letter] Della Sala S, et al. Lancet 1985 Nov 2;2(8462):1015-6

Assessment of techniques for measuring contrast sensitivity in children. Brown VA, et al. Ophthalmic Physiol Opt 1986; 6(2):165-70

The technical problems of producing photographic prints for the measurement of human contrast thresholds. Verbaken JH, et al. Ophthalmic Physiol Opt 1985; 5(4):459-65

[Pencil points—modification of the contact test for examining stereopsis] Fila K. Cesk Oftalmol 1985 Sep;41(5):342-5 (Eng. Abstr.) (Cze)

[Visual acuity tests for non-verbal children: preferential looking] Hertz BG. Ugesk Laeger 1986 Mar 3; 148(10):574-6 (Eng. Abstr.) (Dan)

[The subjective measurement of distant visual acuity in illiterates. Comparison of procedures] Mwumvaneza A, et al. Dakar Med 1984;29(1):27-32 (Fre)

[The preferential looking technic: material and procedure for testing baby vision] Vital-Durand F, et al. J Fr Ophtalmol 1985;8(3):267-72 (Eng. Abstr.) (Fre)

[Testing binocular vision using colored light filters] Kashchenko TP, et al. Oftalmol Zh 1985;(8):498-500 (Eng. Abstr.) (Rus)

STANDARDS

Three clinical tests of the spatial contrast sensitivity function: a comparison. Corwin TR, et al. Am J Optom Physiol Opt 1986 Jun;63(6):413-8

Reliability study of the Pierce and King-Devick saccade tests. Oride MK, et al. Am J Optom Physiol Opt 1986 Jun; 63(6):419-24

Suggested vision standards for drivers in the United States with vision ranging from 20/175 (6/52) to 20/50 (6/15). Fonda G. Ann Ophthalmol 1986 Feb;18(2):76-9

Improved color test results with large-field viewing in dichromats. Breton ME, et al. Arch Ophthalmol 1985 Oct; 103(10):1490-5

Quantitative assessment of conventional macular function tests in cases of cataract. Dubey AK, et al. Indian J Ophthalmol 1983;31 Suppl:895-7

[Ophthalmological problems of expert testimony in qualifying for automobile driving] Poborc-Godlewska J, et al. Klin Oczna 1985 Oct;87(10):427-8 (Eng. Abstr.) (Pol)

VISITING NURSES see COMMUNITY HEALTH NURSING

VISITORS TO PATIENTS

Cutting back creatively: Shaughnessy starts on-site hostel. Durbach E, et al. Dimens Health Serv 1985 Jul-Aug; 62(7):22-3

Direct sibling contact and bacterial colonization in newborns. Kowba MD, et al. J Obstet Gynecol Neonatal Nurs 1985 Sep-Oct;14(5):412-7

Hospital siting and patient visiting [letter] Pearson NG, et al. Lancet 1971 Dec 11;2(7737):1325-6

Effect of visitation upon siblings of hospitalized children. Craft MJ, et al. Matern Child Nurs J 1986 Spring; 15(1):47-59

American Academy of Pediatrics. Postpartum (neonatal) sibling visitation. Committee on fetus and newborn. Pediatrics 1985 Oct;76(4):650

[The parents' presence at medical procedures and induction of anesthesia] Boelen-van der Loo WJ. Ned Tijdschr Geneeskd 1986 Jan 4;130(1):17-20 (Eng. Abstr.) (Dut)

PSYCHOLOGY

Religion and visiting hospitalized old people: sex differences. Leivers S, et al. Psychol Rep 1986 Jun;58(3):705-6

VISNA-MAEDI VIRUSES

GENETICS

Lymphadenopathy/AIDS virus: genetic organization and relationship to animal lentiviruses. Alizon M, et al. Anticancer Res 1986 May-Jun;6(3 Pt B):403-11

Sequence homology between cloned caprine arthritis encephalitis virus and visna virus, two neurotropic lentiviruses. Pyper JM, et al. J Virol 1986 May;58(2):665-70

Human T-cell lymphotropic virus type III shares sequence homology with a family of pathogenic lentiviruses. Gonda MA, et al. Proc Natl Acad Sci USA 1986 Jun;83(11):4007-11

Equine infectious anemia virus gag and pol genes: relatedness to visna and AIDS virus. Stephens RM, et al. Science 1986 Feb 7;231(4738):589-94

Synthesis in cell culture of the gapped linear duplex DNA of the slow virus visna. Blum HE, et al. Virology 1985 Apr 30;142(2):270-7

GROWTH & DEVELOPMENT

Tropism of sheep lentiviruses for monocytes: susceptibility to infection and virus gene expression increase during maturation of monocytes to macrophages. Gendelman HE, et al. J Virol 1986 Apr;58(1):67-74

A Trojan Horse mechanism for the spread of visna virus in monocytes. Peluso R, et al. Virology 1985 Nov; 147(1):231-6

IMMUNOLOGY

Persistent expression of Ia antigen and viral genome in visna-maedi virus-induced inflammatory cells. Possible role of lentivirus-induced interferon. Kennedy PG, et al. J Exp Med 1985 Dec 1;162(6):1970-82

Neutralizing antibodies to visna lentivirus: mechanism of action and possible role in virus persistence. Kennedy-Stoskopf S, et al. J Virol 1986 Jul;59(1):37-44

Serological survey of lentivirus (maedi-visna/caprine arthritis-encephalitis) infection in British goat herds. Dawson M, et al. Vet Rec 1985 Jul 27;117(4):86-9

Detection of visna virus antigens and RNA in glial cells in foci of demyelination. Stowring L, et al. Virology 1985 Mar; 141(2):311-8

ISOLATION & PURIFICATION

Isolation and identification of a South African lentivirus from jaagsiekte lungs. Payne A, et al. Onderstepoort J Vet Res 1986 Mar;53(1):55-62

PHYSIOLOGY

Restricted replication of lentiviruses. Visna viruses induce a unique interferon during interaction between lymphocytes and infected macrophages. Narayan O, et al. J Exp Med 1985 Dec 1;162(6):1954-69

VISNADIN see under BENZOPYRANS

VISUAL ACUITY

see related
FORM PERCEPTION
REFRACTION, OCULAR

Visual acuity measurement using evoked potentials and fast Fourier transform. Furuskog P, et al. Acta Ophthalmol (Copenh) 1986 Jun;64(3):352-5

Visual acuity in Danish school children. Jensen H, et al. Acta Ophthalmol (Copenh) 1986 Apr;64(2):187-91

Complications and visual outcome 4 months after implantation of the semiflexible McGhan/3M, style 70, anterior chamber lens. A prospective study. Nissen JN, et al. Acta Ophthalmol (Copenh) 1986 Apr;64(2):157-61

A new method for exact measurements of visual acuity. Determination of threshold curves for the resolving power of the eye by computerized curve fitting. Tinning S, et al. Acta Ophthalmol (Copenh) 1986 Apr;64(2):180-6

Visual acuity in newborn and preterm infants measured with grating acuity cards. Brown AM, et al. Am J Ophthalmol 1986 Aug 15;102(2):245-53

Epidemiologic aspects of senile cataract extraction stratified by visual acuity, age, and sex. Morgan LW, et al. Am J Ophthalmol 1985 Oct 15;100(4):520-2

Long-term visual acuity results after penetrating and perforating ocular injuries. Shock JP, et al. Am J Ophthalmol 1985 Nov 15;100(5):714-8

Clinical evaluation of vertical fixation disparity. Part II. Reliability, stability, and association with refractive status, stereoacuity, and vertical heterophoria. Eskridge JB, et al. Am J Optom Physiol Opt 1985 Sep;62(9):579-84

Contour interaction in the preschool child. Fern KD, et al. Am J Optom Physiol Opt 1986 May;63(5):313-8

Visual acuity of the preschool child: a review. Fern KD, et al. Am J Optom Physiol Opt 1986 May;63(5):319-45

Low contrast charts effectively differentiate between types of blur. Ho A, et al. Am J Optom Physiol Opt 1986 Mar; 63(3):202-8

Variations in the slope of the psychometric acuity function with acuity threshold and scale. Horner DG, et al. Am J Optom Physiol Opt 1985 Dec;62(12):895-900

Does the Howard-Dolman really measure stereoacuity? Larson WL. Am J Optom Physiol Opt 1985 Nov; 62(11):763-7

Monocular and binocular acuity estimation in 18- to 36-month-olds: acuity card results. McDonald M, et al. Am J Optom Physiol Opt 1986 Mar;63(3):181-6

Monocular acuity in normal infants: the acuity card procedure. McDonald M, et al. Am J Optom Physiol Opt 1986 Feb;63(2):127-34

Influence of age on chromatic aberration of the human eye. Mordi JA, et al. Am J Optom Physiol Opt 1985 Dec; 62(12):864-9

Wave front aberration in the hydrogel lens-wearing eye. el-Nashar NF, et al. Am J Optom Physiol Opt 1986 Jun; 63(6):409-12

Comparisons among Snellen, psychophysical, and evoked potential visual acuity determinations. Wiener DE, et al. Am J Optom Physiol Opt 1985 Oct;62(10):669-79

Lessons from the Visual Acuity Impairment Survey pilot study. Ederer F, et al. Am J Public Health 1986 Feb; 76(2):160-5

Testing visual acuity in the emergency department: a simple

method of correcting refractive error by using the hand-held ophthalmoscope. Powers DW, et al. **Ann Emerg Med** 1986 Jul;15(7):818–9

The Parsons visual acuity test for screening children 18 to 48 months old. Cibis GW, et al. **Ann Ophthalmol** 1985 Aug; 17(8):471–5, 478

Dark-adapted foveal thresholds and visual acuity in retinitis pigmentosa. Alexander KR, et al. **Arch Ophthalmol** 1986 Mar;104(3):390–4

Functional vision in patients with neovascular maculopathy and poor visual acuity. Ebert EM, et al. **Arch Ophthalmol** 1986 Jul;104(7):1009–12

Vanishing optotypes. New type of acuity test letters. Frisén L. **Arch Ophthalmol** 1986 Aug;104(8):1194–8

Subfoveal choroidal neovascular membranes in age-related macular degeneration. Visual prognosis in eyes with relatively good initial visual acuity. Guyer DR, et al. **Arch Ophthalmol** 1986 May;104(5):702–5

Misleading predictions of postoperative visual acuity [editorial] Guyton DL. **Arch Ophthalmol** 1986 Feb; 104(2):189–90

Visual acuity results following treatment of persistent hyperplastic primary vitreous. Karr DJ, et al. **Arch Ophthalmol** 1986 May;104(5):662–7

Epikeratophakia for keratoconus. The nationwide study. McDonald MB, et al. **Arch Ophthalmol** 1986 Sep; 104(9):1294–300

Visual acuity loss in patients with Usher's syndrome. Piazza L, et al. **Arch Ophthalmol** 1986 Sep;104(9):1336–9

Visual acuity after treatment of persistent hyperplastic primary vitreous [letter] Reynolds JD. **Arch Ophthalmol** 1986 Sep;104(9):1274, 1277

Handlight retroillumination in HOTV visual acuity testing [letter] Rubenstein JB, et al. **Arch Ophthalmol** 1985 Nov; 103(11):1634

Instruments for predicting visual acuity. A clinical comparison. Spurny RC, et al. **Arch Ophthalmol** 1986 Feb; 104(2):196–200

Stereoacuity testing does not replace visual acuity testing [letter] von Noorden GK. **Arch Ophthalmol** 1986 Aug; 104(8):1112–3

A microprocessor-driven one-operator forced-choice preferential looking apparatus. Gole GA, et al. **Aust N Z J Ophthalmol** 1985 May;13(2):165–9

The visual outcome in cases of neovascular glaucoma. Molteno AC, et al. **Aust N Z J Ophthalmol** 1985 Nov; 13(4):329–35

Visual changes mediated by beer in retrobulbar neuritis—an investigative case report. Alvarez SL, et al. **Br J Ophthalmol** 1986 Feb;70(2):141–6

Contrast sensitivity versus visual acuity in retinal disease. Marmor MF. **Br J Ophthalmol** 1986 Jul;70(7):553–9

Arabic reading types. Al-Salem M. **Br J Ophthalmol** 1986 Apr;70(4):314–6

Some effects of early monocular deprivation in the Mongolian gerbil. Wilkinson F, et al. **Brain Res** 1986 May; 391(2):276–9

Picture test cards for vision of the Chinese preschool children. Sun B^, et al. **Chin Med J [Engl]** 1984 Nov; 97(11):791–4

Acuity estimated by visually evoked potentials is affected by scaling. Chan H, et al. **Doc Ophthalmol** 1986 Jan 31; 62(1):107–17

Joint application of hyperacuity perimetry and gap tests to assess visual function behind cataracts: initial trials. Essock EA, et al. **Doc Ophthalmol** 1985 Sep 30;60(3):293–312

Infant VEP acuity measurements: analysis of individual differences and measurement error. Norcia AM, et al. **Electroencephalogr Clin Neurophysiol** 1985 Nov; 61(5):359–69

Simple measures of visual-lobe size and search performance. Courtney AJ, et al. **Ergonomics** 1985 Sep;28(9):1319–31

Retinal visual acuity with pattern VEP normal subjects and reproducibility. Simon F, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(2):160–4

The prediction of target detection underwater: some limitations of a visibility model. Emmerson PG. **Hum Factors** 1986 Feb;28(1):31–7

Retinal visual acuity in amblyopia. Billore OP, et al. **Indian J Ophthalmol** 1983;31 Suppl:1029–30

Impairment of contrast sensitivity function (CSF) as a measure of disability glare. Abrahamsson M, et al. **Invest Ophthalmol Vis Sci** 1986 Jul;27(7):1131–6

Monocular acuity and stereopsis in infantile esotropia. Birch EE, et al. **Invest Ophthalmol Vis Sci** 1985 Nov; 26(11):1624–30

Visual acuity and the flash visually evoked cortical potential in albinos. Boylan C, et al. **Invest Ophthalmol Vis Sci** 1986 Feb;27(2):222–5

Infants' acuity at twenty feet. Cornell EH, et al. **Invest Ophthalmol Vis Sci** 1986 Sep;27(9):1417–20

The development of visual acuity in infant astigmats. Gwiszda J, et al. **Invest Ophthalmol Vis Sci** 1985 Dec; 26(12):1717–23

Acuity of amblyopic children for small field gratings and recognition stimuli. Mayer DL. **Invest Ophthalmol Vis Sci** 1986 Jul;27(7):1148–53

Prognostic value of laser interferome^ric visual acuity in amblyopia therapy. Selenow A, et a^. **Invest Ophthalmol Vis Sci** 1986 Feb;27(2):273–7

Visual acuity: an unimportant visual function? Bartlett JD. **J Am Optom Assoc** 1986 Apr;57(4):269

Visual acuity screening of infants and young children with the acuity card procedure. Dobson V, et al. **J Am Optom Assoc** 1986 Apr;57(4):284–9

Refractive error and the reading process: a literature analysis. Grisham JD, et al. **J Am Optom Assoc** 1986 Jan;57(1):44–55 (38 ref.)

Snellen and S-chart acuity [letter] Kirschen DG, et al. **J Am Optom Assoc** 1985 Oct;56(10):768–9

Refractive error and preferential looking visual acuity in ^man infants: a pilot study. Kohl P, et al. **J Am Optom Assoc** 1986 Apr;57(4):290–6

A comparison of static and dynamic stereoacuity. Zinn WJ, et al. **J Am Optom Assoc** 1985 Sep;56(9):712–5

The influence of cataract types on potential acuity meter results. Carpel EF, et al. **J Cataract Refract Surg** 1986 May; 12(3):276–7

Extracapsular cataract extraction and primary posterior chamber lens implantation. Heslin KB, et al. **J Cataract Refract Surg** 1986 Jan;12(1):44–6

Potential acuity meter to predict postoperative visual acuity. Ing MR. **J Cataract Refract Surg** 1986 Jan;12(1):34–5

Autobiographical pictorial study of a cataract in progress. Soper JW. **J Cataract Refract Surg** 1986 May;12(3):303–5

Laser retinometry versus clinical estimation of media: a comparison of efficacy in predicting visual acuity in patients with lens opacities. Tabbut SE, et al. **J Cataract Refract Surg** 1986 Mar;12(2):140–5

A comparison of the changes in suprathreshold apparent contrast in acute and simulated optic neuritis. Abrahamsson M, et al. **J Neurol Neurosurg Psychiatry** 1985 Nov; 48(11):1147–51

Testing visual capabilities for medical surveillance or to ensure job fitness. Wolbarsht ML, et al. **J Occup Med** 1985 Dec;27(12):897–901

Importance of global information in vernier acuity. Meer P, et al. **J Opt Soc Am [A]** 1986 Jun;3(6):880–4

Preferential-looking acuity and stereopsis in infantile esotropia. Stager DR, et al. **J Pediatr Ophthalmol Strabismus** 1986 Jul-Aug;23(4):160–5

Psychophysics. Limits of visual resolution [news] Martin G. **Nature** 1986 Feb 13–19;319(6054):540

Vernier acuity of neurones in cat visual cortex. Swindale NV, et al. **Nature** 1986 Feb 13–19;319(6054):591–3

Visual acuity of infants and children with retinal degenerations. Mayer DL, et al. **Ophthalmic Paediatr Genet** 1985 Feb;5(1–2):51–6

The VER as a predictor of normal visual acuity in the adult human eye. Jenkins TC, et al. **Ophthalmic Physiol Opt** 1985; 5(4):441–9

Prediction of postoperative visual acuity in cataract patients using the Flying Corpuscle Viewer. Adams DF, et al. **Ophthalmic Surg** 1986 Aug;17(8):509–12

Vision parameters in krypton and laser photocoagulation of subfoveal neovascular membranes. Melrose MA, et al. **Ophthalmic Surg** 1985 Aug;16(8):495–502

Contralateral decreased visual acuity and extraocular muscle palsies following retrobulbar anesthesia. Antoszyk AN, et al. **Ophthalmology** 1986 Apr;93(4):462–5

Intraocular lens powers used in the triple procedure. Effect on visual acuity and refractive error. Binder PS. **Ophthalmology** 1985 Nov;92(11):1561–6

Eccentric visual acuity in patients with macular disease. Harris MJ, et al. **Ophthalmology** 1985 Nov;92(11):1550–3

Visual acuity prediction before neodymium-YAG laser posterior capsulotomy. Klein TB, et al. **Ophthalmology** 1986 Jun;93(6):808–10

Laser interferometry and visual prognosis in uveitis. Palestine AG, et al. **Ophthalmology** 1985 Nov;92(11):1567–9

Assessment of young amblyopes. Array vs. single picture acuities. Rodier DW, et al. **Ophthalmology** 1985 Sep; 92(9):1197–202

Visual acuity, refractive error, and astigmatism following corneal transplantation for pseudophakic bullous keratopathy. Samples JR, et al. **Ophthalmology** 1985 Nov; 92(11):1554–60

Diurnal change in refraction, corneal curvature, visual acuity, and intraocular pressure after radial keratotomy in the PERK Study. Schanzlin DJ, et al. **Ophthalmology** 1986 Feb;93(2):167–75

Potential acuity meter for predicting visual acuity after Nd:YAG posterior capsulotomy. Smiddy WE, et al. **Ophthalmology** 1986 Mar;93(3):397–400

Spontaneous visual improvement in the first affected eye of patients with bilateral disciform scars. Singerman LJ, et al. **Retina** 1985 Summer-Fall;5(3):135–43

Assessment of visual status of the population in seven regions of Ethiopia. Cerulli L, et al. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1984;(2–4):127–42 **(Eng, Fre)**

Near visual acuity tests using Chinese characters and the logMAR principle. Johnston AW. **Singapore Med J** 1985 Oct;26(6):448–55

Objective techniques of visual acuity assessment in infancy. Hoyt CS. **Trans New Orleans Acad Ophthalmol** 1986;:7–13

Preferential looking grating acuities of infants at risk of amblyopia. Mayer DL, et al. **Trans Ophthalmol Soc UK** 1985;104 (Pt 8):903–11

Traditional clinical methods of visual assessment in childhood. Wilshaw HE. **Trans Ophthalmol Soc UK** 1985; 104 (Pt 6):641–5 (39 ref.)

Spatial location and hyperacuity: the centre/surround localization contribution function has two substrates. Badcock DR, et al. **Vision Res** 1985;25(9):1259–67

Infant interocular acuity differences and binocular vision. Birch EE. **Vision Res** 1985;25(4):571–6

A comparison of contrast detection and discrimination. Bradley A, et al. **Vision Res** 1986;26(6):991–7

Vernier acuity, crowding and amblyopia. Levi DM, et al. **Vision Res** 1985;25(7):979–91

Vernier acuity, crowding and cortical magnification. Levi DM, et al. **Vision Res** 1985;25(7):963–77

A three alternative tracking paradigm to measure vernier acuity of older infants. Manny RE, et al. **Vision Res** 1985; 25(9):1245–52

Context dependent processing in spatial hyperacuity. Meer P, et al. **Vision Res** 1985;25(12):1989–92

Spatial frequency sweep VEP: visual acuity during the first year of life. Norcia AM, et al. **Vision Res** 1985; 25(10):1399–408

Spatial visual acuity of the eagle Aquila audax: a behavioural, optical and anatomical investigation. Reymond L. **Vision Res** 1985;25(10):1477–91

Binocular competitive interactions and recovery of visual acuity in long-term monocularly deprived cats. Smith DC, et al. **Vision Res** 1985;25(12):1783–94

Selectivity of the evoked potential for vernier offset. Steinman SB, et al. **Vision Res** 1985;25(7):951–61

The development of visual acuity in normal fullterm and preterm infants. van Hof-van Duin J, et al. **Vision Res** 1986; 26(6):909–16

Areas of spatial interaction for a hyperacuity stimulus. Williams RA, et al. **Vision Res** 1986;26(2):349–60

Responses of spatial mechanisms can explain hyperacuity. Wilson HR. **Vision Res** 1986;26(3):453–69 (45 ref.)

[Visual acuity tests for non-verbal children: preferential looking] Hertz BG. **Ugeskr Laeger** 1986 Mar 3; 148(10):574–6 (Eng. Abstr.) **(Dan)**

[The subjective measurement of distant visual acuity in illiterates. Comparison of procedures] Mwumvaneza A, et al. **Dakar Med** 1984;29(1):27–32 **(Fre)**

[The preferential looking technic: material and procedure for testing baby vision] Vital-Durand F, et al. **J Fr Ophtalmol** 1985;8(3):267–72 (Eng. Abstr.) **(Fre)**

[Visual evoked cortical potential--vision determination in low visual acuity] Raile A. **Fortschr Ophthalmol** 1986; 83(3):370–3 (Eng. Abstr.) **(Ger)**

[Extensive acute posterior multifocal pigment epitheliopathy with a slightly elevated ornithine level and minor visual loss] Röhr WD. **Fortschr Ophthalmol** 1985;82(4):393–4 (Eng. Abstr.) **(Ger)**

[Postoperative care and visual development of congenital cataract] Schulz E, et al. **Fortschr Ophthalmol** 1985; 82(4):370–3 (Eng. Abstr.) **(Ger)**

[Optotype visual acuity in media opacities] Wesemann W. **Fortschr Ophthalmol** 1985;82(4):395–7 (Eng. Abstr.) **(Ger)**

[Binocular vision following posterior chamber lens implantation] Harrer S. **Klin Monatsbl Augenheilkd** 1985 Oct;187(4):265–9 (Eng. Abstr.) **(Ger)**

[Epiretinal gliosis (macular pucker)--indications for vitrectomy in relation to the retinometer value] Kroll P, et al. **Klin Monatsbl Augenheilkd** 1985 Sep;187(3):202–4 (Eng. Abstr.) **(Ger)**

[Development of visual acuity and acuity of depth perception in childhood] Römhild H. **Padiatr Grenzgeb** 1985; 24(6):451–5 (Eng. Abstr.) **(Ger)**

[Visual acuity and pattern-evoked retinal and cortical potentials in pigmentary retinal dystrophy] Murayama K, et al. **Nippon Ganka Gakkai Zasshi** 1986 Feb;90(2):258–62 (Eng. Abstr.) **(Jpn)**

[Effects of photocoagulation on macular edema in diabetic retinopathy. Part 2. Changes in visual acuity in non-proliferative retinopathy] Ueno M. **Nippon Ganka Gakkai Zasshi** 1986 Jun;90(6):787–91 (Eng. Abstr.) **(Jpn)**

[Stereoscopic resolving power in correct ocular refraction and in refractive errors] Kedzia B, et al. **Klin Oczna** 1985 Aug;87(8):342–6 (Eng. Abstr.) **(Pol)**

[Effect of the width of a white background of an optotype on visual acuity] Koczorowski P, et al. **Klin Oczna** 1985 Jun;87(6):258–61 (Eng. Abstr.) **(Pol)**

[Prognostic value of ERG studies in cataract] Palacz O, et al. **Klin Oczna** 1986 Jan;88(1):25–7 (Eng. Abstr.) **(Pol)**

[Visual acuity and static perimetry after the operation for retinal detachment] Winter W, et al. **Klin Oczna** 1986 Jan; 88(1):18 (Eng. Abstr.) **(Pol)**

[Kinetic visual acuity (KVA)] Dressler S. **Rev Chir [Oftalmol]** 1985 Oct-Dec;29(4):269–72 (Eng. Abstr.) **(Rum)**

[Hygienic basis for the levels of illumination for students with reduced visual acuity] Vasil'kov VN, et al. **Gig Sanit** 1986 Mar;(3):33–5 (Eng. Abstr.) **(Rus)**

[Visual acuity of children and adolescents living under different ecological conditions] Bazarnyi VF, et al. **Oftalmol Zh** 1986;(1):24–8 (Eng. Abstr.) **(Rus)**

[Method of control over visual acuity in treating myopia in children by training the accommodation reserves] Eremenko NS. **Oftalmol Zh** 1986;(3):191–2 **(Rus)**

[Evaluation of binocular vision using a device for the study of fusion stability] Panferov SV, et al. **Vestn Oftalmol** 1986 Mar-Apr;102(2):50–3 (Eng. Abstr.) **(Rus)**

[Short-distance visual acuity] Prunchak IF. **Vestn Oftalmol** 1985 Jul-Aug;101(4):59–61 **(Rus)**

DRUG EFFECTS

Overcorrected visual acuity improved by antiglaucoma medication after radial keratotomy. Busin M, et al. **Am J Ophthalmol** 1986 Mar 15;101(3):374–5

Management of inadvertent intraocular injections. Schechter RJ. **Ann Ophthalmol** 1985 Dec;17(12):771–5

Visual behavior of monocularly deprived kittens treated with 6-hydroxydopamine. Gordon B, et al. **Brain Res** 1986 Jan; 389(1–2):21–9

Visual reaction times may be improved by certain beta-blockers. Harms D. **Eur J Clin Pharmacol** 1985;28 Suppl:51–4

RADIATION EFFECTS

Visual outcome after proton beam irradiation of uveal melanoma. Seddon JM, et al. **Ophthalmology** 1986 May; 93(5):666–74

VISUAL AIDS see AUDIO-VISUAL AIDS

VISUAL CORTEX

Electroencephalograms of children with permanent cortical visual impairment. Robertson R, et al. **Can J Neurol Sci** 1986 Aug;13(3):256–61

Lesions of the optic radiations mimicking lateral geniculate nucleus visual field defects. Carter JE, et al. **J Neurol Neurosurg Psychiatry** 1985 Oct;48(10):982–8

Visual field rehabilitation in the cortically blind? [letter] Zihl J, et al. **J Neurol Neurosurg Psychiatry** 1986 Aug; 49(8):965–7

Functional and anatomic recovery in the monkey brain following excision of fetal encephalocele. Michejda M, et al. **Pediatr Neurosci** 1985–86;12(2):90–5

Cortical blindness in infancy. Hoyt CS. **Trans New Orleans Acad Ophthalmol** 1986;:235–43

ANALYSIS

Innervation of cat visual areas 17 and 18 by physiologically identified X- and Y- type thalamic afferents. II. Identification of postsynaptic targets by GABA immunocytochemistry and Golgi impregnation. Freund TF, et al. **J Comp Neurol** 1985 Dec 8;242(2):275–91

Somatostatin immunoreactive neurons in rat visual cortex: a light and electron microscopic study. Meinecke DL, et al. **J Neurocytol** 1986 Feb;15(1):121–36

Picture processing techniques applied to autoradiographic studies of visual cortex. Switkes E, et al. **J Neurosci Methods** 1986 Feb;15(4):269–80

Decreased levels of an astrocytic marker, glial fibrillary acidic protein, in the visual cortex of dark-reared rats: measurement by enzyme-linked immunosorbent assay. Stewart MG, et al. **Neurosci Lett** 1986 Jan 16;63(2):147–52

ANATOMY & HISTOLOGY

The size of the zone of origin of callosal afferents projecting to the primary visual cortex contralateral to the remaining eye in rats monocularly enucleated at different postnatal ages. Wree A, et al. **Anat Embryol (Berl)** 1986;174(1):91–6

Changes in the distribution of geniculocortical projections following monocular deprivation in tree shrews. Florence SL, et al. **Brain Res** 1986 May 21;374(1):179–84

Layering in lamina 6 of cat striate cortex. McCourt ME, et al. **Brain Res** 1986 Jan 29;364(1):181–5

Laminar origin of direct projection from cortex area V1 to V4 in the rhesus monkey. Yukie M, et al. **Brain Res** 1985 Nov 4;346(2):383–6

Modification of callosal afferents of the primary visual cortex ipsilateral to the remaining eye in rats monocularly enucleated at different stages of ontogeny. Wree A, et al. **Cell Tissue Res** 1985;242(2):433–6

Histological asymmetry in the primary visual cortex of the rat: implications for mechanisms of cerebral asymmetry. Galaburda AM, et al. **Cortex** 1986 Mar;22(1):151–60

Connections of the anterior ectosylvian visual area (AEV). Norita M, et al. **Exp Brain Res** 1986;62(2):225–40

Laminar organization of geniculocortical projections in Galago senegalensis and Aotus trivirgatus. Diamond IT, et al. **J Comp Neurol** 1985 Dec 22;242(4):584–610

Ocular dominance columns and retinal projections in New World spider monkeys (Ateles ater). Florence SL, et al. **J Comp Neurol** 1986 Jan 8;243(2):234–48

The projection of the lateral geniculate nucleus to area 18. Geisert EE. **J Comp Neurol** 1985 Aug 1;238(1):101–6

Organization of the callosal connections of visual areas V1 and V2 in the macaque monkey. Kennedy H, et al. **J Comp Neurol** 1986 May 15;247(3):398–415

A callosal projection of area 17 upon the border region of area MT in the marmoset monkey, Callithrix jacchus. Kunz B, et al. **J Comp Neurol** 1985 Sep 22;239(4):413–9

Topographic organization of the optic radiation of the cat. Nelson SB, et al. **J Comp Neurol** 1985 Oct 15;240(3):322–30

Organization and postnatal development of callosal connections in the visual cortex of the rat. Olavarria J, et al. **J Comp Neurol** 1985 Sep 1;239(1):1–26

Anatomical organization of primary visual cortex (area 17) in the ferret. Rockland KS. **J Comp Neurol** 1985 Nov 8; 241(2):225–36

Location and connections of visual cortical areas in the cat's suprasylvian sulcus. Sherk H. **J Comp Neurol** 1986 May 1;247(1):1–31

Projections to the superior temporal sulcus from the central and peripheral field representations of V1 and V2. Ungerleider LG, et al. **J Comp Neurol** 1986 Jun 8; 248(2):147–63

Cortical connections of visual area MT in the macaque. Ungerleider LG, et al. **J Comp Neurol** 1986 Jun 8; 248(2):190–222

Rabbit cingulate cortex: cytoarchitecture, physiological border with visual cortex, and afferent cortical connections of visual, motor, postsubicular, and intracingulate origin. Vogt BA, et al. **J Comp Neurol** 1986 Jun 1;248(1):74–94

Retinal constraints on orientation specificity in cat visual cortex. Schall JD, et al. **J Neurosci** 1986 Mar;6(3):823–36

Cortical and tectal afferent terminals in the suprageniculate nucleus of the cat. Norita M, et al. **Neurosci Lett** 1986 Mar 28;65(1):104–8

New dopaminergic terminal fields in the motor, visual (area 18b) and retrosplenial cortex in the young and adult rat. Immunocytochemical and catecholamine histochemical analyses. Berger B, et al. **Neuroscience** 1985 Aug; 15(4):983–98

[Visual cortical areas: topography, connections and function] Bullier J. **Rev Electroencephalogr Neurophysiol Clin** 1985 Dec;15(3):207–16 (66 ref.) (Eng. Abstr.) (Fre)

BLOOD SUPPLY

Sudden loss of vision in a monocular patient, caused by visual cortex infarction. Kraus E, et al. **Ann Ophthalmol** 1986 Mar; 18(3):114–5

CYTOLOGY

Dendrite bundles in lamina II/III of the rabbit neocortex. Schmolke C, et al. **Anat Embryol (Berl)** 1986;173(3):343–8

Intracortical connections of the anterior ectosylvian and lateral suprasylvian visual areas in the cat. Miceli D, et al. **Brain Res** 1985 Nov 18;347(2):291–8

Effect of head tilt on visual cortical cell function in the intact and labyrinthectomized cat. Reinis S, et al. **Exp Neurol** 1986 Jan;91(1):102–26

The effects of a 30 day period of environmental diversity on well-fed and previously undernourished rats: neuronal and synaptic measures in the visual cortex (area 17). Bhide PG, et al. **J Comp Neurol** 1985 Jun 1;236(1):121–6

A quantitative study of neuronal and glial numerical density in the visual cortex of the bottlenose dolphin: evidence for a specialized subarea and changes with age. Garey LJ, et al. **J Comp Neurol** 1986 May 22;247(4):491–6

Golgi and Nissl studies of the visual cortex of the bottlenose dolphin. Garey LJ, et al. **J Comp Neurol** 1985 Oct 15; 240(3):305–21

Synaptic connections of intracellularly filled clutch cells: a type of small basket cell in the visual cortex of the cat. Kisvárday ZF, et al. **J Comp Neurol** 1985 Nov 8; 241(2):111–37

The neuronal composition of area 17 of rat visual cortex. III. Numerical considerations. Peters A, et al. **J Comp Neurol** 1985 Aug 15;238(3):263–74

Single thalamic neurons project to both lateral suprasylvian visual cortex and area 17: a retrograde fluorescent double-labeling study. Tong L, et al. **J Comp Neurol** 1986 Apr 8;246(2):254–64

The projections from striate cortex (V1) to areas V2 and V3 in the macaque monkey: asymmetries, areal boundaries, and patchy connections. Van Essen DC, et al. **J Comp Neurol** 1986 Feb 22;244(4):451–80

Cholinergic neurons and fibres in the rat visual cortex. Parnavelas JG, et al. **J Neurocytol** 1986 Jun;15(3):329–36

Cellular physiology of the turtle visual cortex: distinctive properties of pyramidal and stellate neurons. Connors BW, et al. **J Neurosci** 1986 Jan;6(1):164–77

Cellular physiology of the turtle visual cortex: synaptic properties and intrinsic circuitry. Kriegstein AR, et al. **J Neurosci** 1986 Jan;6(1):178–91

Augmenting responses evoked in area 17 of the cat by intracortical axon collaterals of cortico-geniculate cells. Ferster D, et al. **J Physiol (Lond)** 1985 Oct;367:217–32

Synaptic excitation of neurones in area 17 of the cat by intracortical axon collaterals of cortico-geniculate cells. Ferster D, et al. **J Physiol (Lond)** 1985 Oct;367:233–52

Symmetry-coded cells in the visual cortex? [letter] Rentschler I. **Nature** 1985 Oct 17–23;317(6038):581–2

Effect of afferent visual impulses on morphological and biochemical indices of the development of neurons of the optical, motor, and parietal cortex of the brain. Gershtein LM, et al. **Neurosci Behav Physiol** 1985 Nov–Dec; 15(6):465–70

The effect of visual deprivation upon the basal dendrites of Meynert cells in the striate cortex of the monkey. Neal JW, et al. **Proc R Soc Lond [Biol]** 1985 Oct 22; 225(1241):411–23

[Classification of neurons in the visual cortex of the guinea pig (Cavia porcellus). A combined Golgi-Nissl study using deimpregnation technics] Werner L, et al. **J Hirnforsch** 1986;27(2):213–36 (Eng. Abstr.) (Ger)

DRUG EFFECTS

Responses to gamma-aminobutyric acid applied to cell bodies and dendrites of rat visual cortical neurons. Scharfman HE, et al. **Brain Res** 1985 Dec 9;358(1–2):385–9

Dopamine agonists suppress visual-cortical reflex myoclonus. Obeso JA, et al. **J Neurol Neurosurg Psychiatry** 1985 Dec; 48(12):1277–83

Doses of 6-hydroxydopamine sufficient to deplete norepinephrine are not sufficient to decrease plasticity in the visual cortex. Trombley P, et al. **J Neurosci** 1986 Jan; 6(1):266–73

[Morphologic and histochemical changes in the secondary focus following cobalt-induced epileptogenic bioelectrical activity of the visual cortex in the adult rat] Leibnitz L, et al. **J Hirnforsch** 1985;26(6):601–14 (Eng. Abstr.) (Ger)

[Effect of protein-peptide factors on the cellular mechanisms of the behavioral reaction of discordance in the cat] Andrianov VV. **Zh Vyssh Nerv Deiat** 1985 Sep–Oct; 35(5):977–9 (Rus)

[Effect of serotonin on the development of tissue cultures of the cerebral cortex in the rat] Chubakov AR, et al. **Zh Vyssh Nerv Deiat** 1985 Sep–Oct;35(5):926–34 (Eng. Abstr.) (Rus)

[Effect of a derivative of GABA, phenibut, on behavior and the activity of visual cortex neurons of the rabbit during elaboration of a defensive reflex and internal inhibition] Shul'gina GI, et al. **Zh Vyssh Nerv Deiat** 1985 Jul–Aug; 35(4):695–702 (Eng. Abstr.) (Rus)

EMBRYOLOGY

Cogeneration of retrogradely labeled corticocortical projection and GABA-immunoreactive local circuit neurons in cerebral cortex. Miller MW. **Brain Res** 1985 Dec;355(2):187–92

Early prenatal appearance of substance P in the human visual cortex. Mehra RD, et al. **Prog Clin Biol Res** 1986; 217B:141–4

ENZYMOLOGY

Transient patterns of acetylcholinesterase activity in visual cortex of the rat: normal development and the effects of neonatal monocular enucleation. Robertson RT, et al. **Brain Res** 1985 Aug;353(2):203–14

Cytochrome oxidase activity in the striate cortex and lateral geniculate nucleus of the newborn and adult macaque monkey. Kennedy H, et al. **Exp Brain Res** 1985;61(1):204–9

Effects of neonatal monocular enucleation on the number of GAD-positive puncta in rat visual cortex. Ribak CE, et al. **Exp Brain Res** 1986;62(1):203–6

Cholinergic innervation of the cat striate cortex: a choline acetyltransferase immunocytochemical analysis. De Lima AD, et al. **J Comp Neurol** 1986 Aug 15;250(3):324–38

Laminar and cellular localization of cytochrome oxidase in the cat striate cortex. Kageyama GH, et al. **J Comp Neurol** 1986 Mar 8;245(2):137–59

The localization of cytochrome oxidase in the LGN and striate cortex of postnatal kittens. Kageyama GH, et al. **J Comp Neurol** 1986 Jan 8;243(2):182–94

Immunoreactivity for a calmodulin-dependent protein kinase is selectively increased in macaque striate cortex after monocular deprivation. Hendry SH, et al. **Proc Natl Acad Sci USA** 1986 Mar;83(5):1536–41

GROWTH & DEVELOPMENT

Studies of the maturation of the visual system of the albino mouse. Yew DT, et al. **Arch Anat Histol Embryol (Strasb)** 1984;67:89–99

Development of cortical afferents and cortico-tectal efferents of the mammalian (rat) primary visual cortex. Dreher B, et al. **Aust N Z J Ophthalmol** 1985 Aug;13(3):251–61

The ontogeny of the laminar distribution of beta-adrenergic receptors in the visual cortex of cats, normally reared and dark-reared. Aoki C, et al. **Brain Res** 1986 Jun; 392(1–2):109–16

Development of the A1 adenosine receptors in the visual cortex of cats, dark-reared and normally reared. Aoki C. **Brain Res** 1985 Sep;354(1):125–33

The effects of serotonin on the morpho-functional development of rat cerebral neocortex in tissue culture. Chubakov AR, et al. **Brain Res** 1986 Mar 26; 369(1–2):285–97

Electrophysiological and morphological correlates in the development of visual cortical circuitry in infant kittens. Komatsu Y, et al. **Brain Res** 1985 Oct;354(2):305–9

Maturation of rat visual cortex. III. Postnatal morphogenesis and synaptogenesis of local circuit neurons. Miller MW. **Brain Res** 1986 Mar;390(2):271–85

The migration and neurochemical differentiation of gamma-aminobutyric acid (GABA)-immunoreactive neurons in rat visual cortex as demonstrated by a combined immunocytochemical-autoradiographic technique. Miller MW. **Brain Res** 1986 Jul;393(1):41–6

Synapse elimination in the developing visual cortex: a morphometric analysis in normal and dark-reared cats. O'Kusky JR. **Brain Res** 1985 Sep;354(1):81–91

A transient pyramidal tract projection from the visual cortex in the hamster and its removal by selective collateral elimination. O'Leary DD, et al. **Brain Res** 1986 Jun; 392(1–2):87–99

The postnatal development of clustered intrinsic connections in area 18 of the visual cortex in kittens. Price DJ. **Brain Res** 1986 Jan;389(1–2):31–8

Control of cell number in the developing visual system. III. Effects of visual cortex ablation. Raabe JI, et al. **Brain Res** 1986 Jul;393(1):23–31

The distribution of VIP-immunoreactive neurons in the

visual cortex of adult rabbits and during postnatal development. Ramón y Cajal-Agüeras S, et al. **Brain Res** 1986 Apr 9;370(2):333-7

Modification of neurotransmitter receptor sensitivity in cat visual cortex during the critical period. Shaw C, et al. **Brain Res** 1985 Sep;354(1):67-73

Organization of geniculocortical connections following prenatal interruption of binocular interactions. Shook BL, et al. **Brain Res** 1986 Jul;393(1):47-62

Neurogenesis of the cat's primary visual cortex. Luskin MB, et al. **J Comp Neurol** 1985 Dec 22;242(4):611-31

Interchange of callosal and association projections in the developing visual cortex. Innocenti GM, et al. **J Neurosci** 1986 May;6(5):1384-409

Abnormal visual cortex development in the kitten associated with maternal dietary taurine deprivation. Palackal T, et al. **J Neurosci Res** 1986;15(2):223-39

METABOLISM

The distribution of somatostatin-immunoreactive neurons in the visual cortex of adult rabbits and during postnatal development. Cajal-Agüeras SR, et al. **Brain Res** 1985 Dec 16;359(1-2):379-82

Release of gamma-aminobutyric acid from the visual cortex of young kittens. Hicks TP, et al. **Brain Res** 1986 Jan; 389(1-2):299-304

Decreased neurotransmitter receptor binding in striatum and cortex from adult hypothyroid rats. Kalaria RN, et al. **Brain Res** 1986 Feb 5;364(2):268-74

The laminar distributions and postnatal development of neurotransmitter and neuromodulator receptors in cat visual cortex. Shaw C, et al. **Brain Res Bull** 1986 May; 16(5):661-71 (109 ref.)

Quantitative distribution of GABA-immunoreactive neurons in the visual cortex (area 17) of the cat. Gabbott PL, et al. **Exp Brain Res** 1986;61(2):323-31

The relationship between GABA immunoreactivity and labelling by local uptake of [3H]GABA in the striate cortex of monkey. Kisvárday ZF, et al. **Exp Brain Res** 1986; 62(1):89-98

Localization of NPY-immunoreactivity in the cat's visual cortex. Wahle P, et al. **Exp Brain Res** 1986;61(2):364-74

Increased dependence of superior colliculus metabolic activity on visual cortex after eye enucleation. Thurlow GA, et al. **Exp Neurol** 1985 Dec;90(3):594-600

Postnatal changes in the distribution of acetylcholinesterase in kitten striate cortex. Bear MF, et al. **J Comp Neurol** 1985 Jul 22;237(4):519-32

Glutamic acid decarboxylase and somatostatin immunoreactivities in rat visual cortex. Lin CS, et al. **J Comp Neurol** 1986 Feb 15;244(3):369-83

Laminar distribution of receptors in monkey (Macaca fascicularis) geniculostriate system. Shaw C, et al. **J Comp Neurol** 1986 Jun 15;248(3):301-12

Correlation between cytochrome oxidase staining and the uptake and laminar distribution of tritiated aspartate, glutamate, gamma-aminobutyrate and glycine in the striate cortex of the squirrel monkey. Carroll EW, et al. **Neuroscience** 1985 Aug;15(4):959-76

Cholecystokinin-dopamine receptor interactions as studied with cholecystokinin receptor antagonists. Murphy RB. **Prog Clin Biol Res** 1985;192:105-13

PATHOLOGY

Hypothyroidism affects preferentially the dendritic densities on the more superficial region of pyramidal neurons of the rat cerebral cortex. Ruiz-Marcos A, et al. **Brain Res** 1986 Aug;393(2):259-62

PHYSIOLOGY

Effect of fast moving stimuli and saccadic eye movements on cell activity in visual areas V1 and V2 of behaving monkeys. Battaglini PP, et al. **Arch Ital Biol** 1986 May; 124(2):111-9

Spatial contrast and flicker sensitivity following medial thalamic or visual cortex lesions in hooded rats. Legg CR. **Behav Brain Res** 1986 Jan;19(1):41-7

Immediate postoperative retention of visual discriminations following selective cortical lesions in the cat. Sprague JM, et al. **Behav Brain Res** 1985 Sep-Oct;17(2):145-62

The contribution of the rewarded and unrewarded stimulus in two-choice pattern discrimination after a unilateral ablation of the occipital lobe in the rabbit. van Hof MW, et al. **Behav Brain Res** 1985 Oct-Nov;18(1):75-8

A mathematical model of the primary visual cortex and hypercolumn. Okajima K. **Biol Cybern** 1986;54(2):107-14

Are non-directional simple cells constructed from directional subunits? Richter J, et al. **Biol Cybern** 1986;54(4-5):313-7

Non-linearities in cortical simple cells and the possible detection of zero crossings. Richter J, et al. **Biol Cybern** 1986;53(3):195-202

On the mechanisms underlying appearance of responses to movement, directional sensitivity and velocity tuning of the cat's striate cortical neurons. Vitsova L, et al. **Biol Cybern** 1985;52(4):237-46

Transfer of visual information after unilateral input to the brain. Marzi CA. **Brain Cogn** 1986 Apr;5(2):163-73

Effects of monocular exposure to oriented lines on monkey striate cortex. Carlson M, et al. **Brain Res** 1986 Feb; 390(1):71-81

Reinstatement of binocular depth perception by amphetamine and visual experience after visual cortex ablation. Feeney DM, et al. **Brain Res** 1985 Sep 9;342(2):352-6

Biochemical plasticity in the superior colliculus of adult rats after chronic visual cortex ablation. Fosse VM, et al. **Brain Res** 1986 Apr 30;372(1):189-92

Response properties of single units in the accessory optic system of the dark-reared cat. Grasse KL, et al. **Brain Res** 1986 Jun;392(1-2):199-210

Clonidine and cortical plasticity: possible evidence for noradrenergic involvement. Nelson SB, et al. **Brain Res** 1985 Nov;355(1):39-50

Direction-specific adaptation in area MT of the owl monkey. Petersen SE, et al. **Brain Res** 1985 Oct 28;346(1):146-50

Reversal of the physiological effects of monocular deprivation in adult dark-reared cats. Ramachandran VS, et al. **Brain Res** 1986 Mar 5;367(1-2):309-13

Physiological segregation of geniculo-cortical afferents in the visual cortex of dark-reared cats. Swindale NV, et al. **Brain Res** 1986 Jan 8;362(2):281-6

Survival of the ganglion cell population in the rabbit retina following neonatal visual cortex ablation. Wilkes M, et al. **Brain Res** 1985 Aug;353(2):293-7

Small lesions in the primary visual cortex of rats cause a specific reorganization of associational connections. Wagner GP, et al. **Cell Tissue Res** 1985;242(2):357-64

Enhanced sensory convergence to the visual cortex in the rodless (rd/rd) mouse. Bonaventure N, et al. **Doc Ophthalmol** 1985 Oct 30;61(1):97-103

P300 and psychophysiological analysis of the structure of behavior. Aleksandrov IO, et al. **Electroencephalogr Clin Neurophysiol** 1985 Dec; 61(6):548-58

Simple measures of visual-lobe size and search performance. Courtney AJ, et al. **Ergonomics** 1985 Sep;28(9):1319-31

Correlated neuronal variability in monkey visual cortex revealed by a multi-microelectrode. Bach M, et al. **Exp Brain Res** 1986;61(3):451-6

The character and influence of the claustral pathway to the striate cortex of the cat. Boyapati J, et al. **Exp Brain Res** 1985;61(1):141-52

Simple cells in cat striate cortex: responses to stationary flashing and to moving light bars. Camarda RM, et al. **Exp Brain Res** 1985;60(1):151-8

Spatial organization of subregions in receptive fields of simple cells in cat striate cortex as revealed by stationary flashing bars and moving edges. Camarda RM, et al. **Exp Brain Res** 1985;60(1):136-50

Factors influencing the temporal phase of response to bar and grating stimuli for simple cells in the cat striate cortex. Dean AF, et al. **Exp Brain Res** 1986;62(1):143-51

Regional distribution of fast and slow geniculo-cortical relay cells (GCR-cells) within the rat's dorsal lateral geniculate nucleus (LGNd). Gabriel S, et al. **Exp Brain Res** 1985; 61(1):210-3

Motion after-effects in cat striate cortex elicited by moving gratings. Hammond P, et al. **Exp Brain Res** 1985; 60(2):411-6

Cortical mechanisms for local and global analysis of visual space in the cat. Hughes HC, et al. **Exp Brain Res** 1986; 61(2):332-54

Stereoperception in cats following section of the corpus callosum and/or the optic chiasma. Lepore F, et al. **Exp Brain Res** 1986;61(2):258-64

Variability in the effects of monocular deprivation on the optokinetic reflex of the non-deprived eye in the cat. Markner C, et al. **Exp Brain Res** 1985;61(1):117-27

Intracortical facilitation among co-oriented, co-axially aligned simple cells in cat striate cortex. Nelson JI, et al. **Exp Brain Res** 1985;61(1):54-61

Neuronal responses to borders with and without luminance gradients in cat visual cortex and dorsal lateral geniculate nucleus. Redies C, et al. **Exp Brain Res** 1986;61(3):469-81

Functional and developmental analysis of a visual corticopretectal pathway in the cat: a neuroanatomical and electrophysiological study. Schoppmann A. **Exp Brain Res** 1985;60(2):363-74

The pattern specificity of velocity aftereffects. Smith AT, et al. **Exp Brain Res** 1985;60(1):71-8

Response covariance in cat visual cortex. van Kan PL, et al. **Exp Brain Res** 1985;60(3):559-63

Properties of end-zone inhibition of hypercomplex cells in cat striate cortex. Yamane S, et al. **Exp Brain Res** 1985; 60(1):200-3

Occipital and inferotemporal responses to visual signals in the monkey. Ashford JW, et al. **Exp Neurol** 1985 Nov; 90(2):444-66

Central control of the sensory flow in the human visual system. Ivanitskii AM, et al. **Hum Physiol** 1984 May-Jun; 10(3):153-9

The electroencephalogram and information scanning in the human visual cortex during pattern recognition. Shevelev IA, et al. **Hum Physiol** 1985 Sep-Oct;11(5):301-4

Electrophysiological correlates of visual masking. Kaitz M, et al. **Int J Neurosci** 1985 Dec;28(3-4):261-8

Multiple visual areas in the caudal superior temporal sulcus of the macaque. Desimone R, et al. **J Comp Neurol** 1986 Jun 8;248(2):164-89

Retinotopic organization within the cat's posterior suprasylvian sulcus and gyrus. Updyke BV. **J Comp Neurol** 1986 Apr 8;246(2):265-80

Selective adaptation of monocular and binocular neurons in human vision. Sloane M, et al. **J Exp Psychol [Hum Percept]** 1984 Jun;10(3):406-12

A bioluminescence method for the measurement of L-glutamate: applications to the study of changes in the release of L-glutamate from lateral geniculate nucleus and superior colliculus after visual cortex ablation in rats. Fosse VM, et al. **J Neurochem** 1986 Aug;47(2):340-9

Spatial receptive-field properties of direction-selective neurons in cat striate cortex. Baker CL Jr, et al. **J Neurophysiol** 1986 Jun;55(6):1136-52

Both striate cortex and superior colliculus contribute to visual properties of neurons in superior temporal polysensory area of macaque monkey. Bruce CJ, et al. **J Neurophysiol** 1986 May;55(5):1057-75

Velocity selectivity in the cat visual system. II. Independence from interactions between different loci. Duysens J, et al. **J Neurophysiol** 1985 Oct;54(4):1050-67

Velocity selectivity in the cat visual system. III. Contribution of temporal factors. Duysens J, et al. **J Neurophysiol** 1985 Oct;54(4):1068-83

Interocular transfer of adaptation after effect in neurons of area 17 and 18 of split chiasm cats. Maffei L, et al. **J Neurophysiol** 1986 May;55(5):966-76

Motion selectivity in macaque visual cortex. II. Spatiotemporal range of directional interactions in MT and V1. Mikami A, et al. **J Neurophysiol** 1986 Jun;55(6):1328-39

Motion selectivity in macaque visual cortex. III. Psychophysics and physiology of apparent motion. Newsome WT, et al. **J Neurophysiol** 1986 Jun; 55(6):1340-51

The binocular organization of complex cells in the cat's visual cortex. Ohzawa I, et al. **J Neurophysiol** 1986 Jul; 56(1):243-59

The binocular organization of simple cells in the cat's visual cortex. Ohzawa I, et al. **J Neurophysiol** 1986 Jul; 56(1):221-42

Velocity selectivity in the cat visual system. I. Responses of LGN cells to moving bar stimuli: a comparison with cortical areas 17 and 18. Orban GA, et al. **J Neurophysiol** 1985 Oct;54(4):1026-49

Contrast gain control in the kitten's visual system. Sclar G, et al. **J Neurophysiol** 1985 Sep;54(3):668-75

Physiological properties of individual cerebral axons studied in vivo for as long as one year. Swadlow HA. **J Neurophysiol** 1985 Nov;54(5):1346-62

Excitatory amino acid transmitters in neuronal circuits of the cat visual cortex. Tsumoto T, et al. **J Neurophysiol** 1986 Mar;55(3):469-83 (61 ref.)

Intrinsic connections of macaque striate cortex: axonal projections of cells outside lamina 4C. Blasdel GG, et al. **J Neurosci** 1985 Dec;5(12):3350-69

Processing of color, form and disparity information in visual areas VP and V2 of ventral extrastriate cortex in the macaque monkey. Burkhalter A, et al. **J Neurosci** 1986 Aug;6(8):2327-51

Orientation selectivity of synaptic potentials in neurons of cat primary visual cortex. Ferster D. **J Neurosci** 1986 May; 6(5):1284-301

Intrinsic connections of macaque striate cortex: afferent and efferent connections of lamina 4C. Fitzpatrick D, et al. **J Neurosci** 1985 Dec;5(12):3329-49

Pattern and motion vision in cats with selective loss of cortical directional selectivity. Pasternak T, et al. **J Neurosci** 1986 Apr;6(4):938-45

Integration of direction signals of image motion in the superior temporal sulcus of the macaque monkey. Saito H, et al. **J Neurosci** 1986 Jan;6(1):145-57

Binocular impulse blockade prevents the formation of ocular dominance columns in cat visual cortex. Stryker MP, et al. **J Neurosci** 1986 Aug;6(8):2117-33

Analysis of local and wide-field movements in the superior temporal visual areas of the macaque monkey. Tanaka K, et al. **J Neurosci** 1986 Jan;6(1):134-44

Relationships between horizontal interactions and functional architecture in cat striate cortex as revealed by cross-correlation analysis. Ts'o DY, et al. **J Neurosci** 1986 Apr;6(4):1160-70

Neurophysiological evaluation of the differential response model for orientation and spatial-frequency discrimination. Bradley A, et al. **J Opt Soc Am [A]** 1985 Sep;2(9):1607-10

Noradrenaline and functional plasticity in kitten visual cortex: a re-examination. Adrien J, et al. **J Physiol (Lond)** 1985 Oct;367:73-98

Quantitative studies of the discharge fields of single cells in cat striate cortex. Heggelund P. **J Physiol (Lond)** 1986 Apr; 373:277-92

Quantitative studies of enhancement and suppression zones in the receptive field of simple cells in cat striate cortex. Heggelund P. **J Physiol (Lond)** 1986 Apr;373:293-310

Visual function in the newborn infant: is it cortically mediated? Dubowitz LM, et al. **Lancet** 1986 May 17; 1(8490):1139-41

Modulation of visual cortical plasticity by acetylcholine and noradrenaline. Bear MF, et al. **Nature** 1986 Mar 13-19; 320(6058):172-6

Voltage-sensitive dyes reveal a modular organization in monkey striate cortex. Blasdel GG, et al. **Nature** 1986 Jun 5-11;321(6070):579-85

Visual discrimination of target displacement remains after damage to the striate cortex in humans. Blythe IM, et al. **Nature** 1986 Apr 17-23;320(6063):619-21

Generation of end-inhibition in the visual cortex via interlaminar connections. Bolz J, et al. **Nature** 1986 Mar

27-Apr 2;320(6060):362-5
Orientation-specific cortical responses develop in early infancy. Braddick OJ, et al. **Nature** 1986 Apr 17-23; 320(6063):617-9
Reduction in number of immunostained GABAergic neurones in deprived-eye dominance columns of monkey area 17. Hendry SH, et al. **Nature** 1986 Apr 24-30; 320(6064):750-3
Visual cortex. What layer 6 tells layer 4 [news] LeVay S. **Nature** 1986 Mar 27-Apr 2;320(6060):310-1
A comparison of inhibition in orientation and spatial frequency selectivity of cat visual cortex. Ramoa AS, et al. **Nature** 1986 May 15-21;321(6067):237-9
Visual cortex. Cholinergic input and plasticity? [news] Sillito AM. **Nature** 1986 Mar 13-19;320(6058):109-10
Neurophysiology. Parallel channels and redundant mechanisms in visual cortex [news] Swindale NV. **Nature** 1986 Aug 28-Sep 3;322(6082):775-6
Vernier acuity of neurones in cat visual cortex. Swindale NV, et al. **Nature** 1986 Feb 13-19;319(6054):591-3
Optical mapping of activity in primate visual cortex [news] Van Essen D, et al. **Nature** 1986 Jun 5-11;321(6070):564-5
Spatial distribution of activity of the neurons of the visual cortex during stimulation with a flash of diffused light. Chebkasov SA. **Neurosci Behav Physiol** 1985 Jul-Aug; 15(4):296-303
Evoked electrical responses of nucleus lateralis posterior of the rabbit thalamus and their dependence upon the functional state of the cortex and reticular formation. Gasanova SA, et al. **Neurosci Behav Physiol** 1985 Nov-Dec;15(6):524-32
Responses of neurons of primary visual cortex of awake unrestrained rats to visual stimuli. Girman SV. **Neurosci Behav Physiol** 1985 Sep-Oct;15(5):379-86
Relationship between spatial and spatial-frequency characteristics of receptive fields of cat visual cortex. Glezer VD, et al. **Neurosci Behav Physiol** 1985 Nov-Dec; 15(6):511-9
Influence of the midbrain reticular formation upon reactions of cortical neurons in rabbits during learning. Kaburneeva LI, et al. **Neurosci Behav Physiol** 1986 May-Jun; 16(3):239-45
Convergent properties of three types of visual-cortex neurons recorded with different action-potential amplitudes. Rapoport SS, et al. **Neurosci Behav Physiol** 1985 Sep-Oct; 15(5):371-8
Bilateral projections of neurons in the lateral geniculate nucleus and nucleus lateralis posterior to the visual cortex in the neonatal rat. Laemle LK, et al. **Neurosci Lett** 1986 Jan 30;63(3):207-14
Neuron activities of monkey prefrontal cortex during the learning of visual discrimination tasks with GO/NO-GO performances. Kubota K, et al. **Neurosci Res** 1985 Dec; 3(2):106-29
Influence of stimulus length on directional bias of complex cells in cat striate cortex. Hammond P, et al. **Neuroscience** 1986 May;18(1):25-30
Length summation of complex cells in cat striate cortex: a reappraisal of the "special/standard" classification. Hammond P, et al. **Neuroscience** 1985 Jul;15(3):639-49
The structural and functional characteristics of striate cortical neurons that innervate the superior colliculus and lateral posterior nucleus in hamster. Klein BG, et al. **Neuroscience** 1986;17(1):57-78
The role of GABAergic inhibition in the response properties of neurones in cat visual area 18. Vidyasagar TR, et al. **Neuroscience** 1986;17(1):49-55
Visual representation at the cerebral cortex: qualitative and quantitative aspects. Pointer JS. **Ophthalmic Physiol Opt** 1986;6(2):171-5
Haploscopic colour mixtures with and without contours in subjects with normal and disturbed binocular vision. Lange-Malecki B, et al. **Perception** 1985;14(5):587-600
Visual space as physical geometry. Rosar WH. **Perception** 1985;14(4):403-25
Temporal integration and contrast sensitivity in foveal and peripheral vision. Rovamo J, et al. **Perception** 1984; 13(6):665-74
Self-organized formation of colour maps in a model cortex. Saarinen J, et al. **Perception** 1985;14(6):711-9
The effects of frontal lesions on brain hypersynchronous bursting and behavioral activity. Kinghorn EW, et al. **Physiol Behav** 1985 Aug;35(2):261-5
Haloperidol blocks amphetamine induced recovery of binocular depth perception after bilateral visual cortex ablation in cat. Hovda DA, et al. **Proc West Pharmacol Soc** 1985;28:209-11
Why have multiple cortical areas? Barlow HB. **Vision Res** 1986;26(1):81-90
Anatomical and physiological asymmetries related to visual areas V3 and VP in macaque extrastriate cortex. Burkhalter A, et al. **Vision Res** 1986;26(1):63-80
Role of eye movements in developmental processes of orientation selectivity in the kitten visual cortex. Gary-Bobo E, et al. **Vision Res** 1986;26(4):557-67
Role of low and high spatial frequencies in the face-selective responses of neurons in the cortex in the superior temporal sulcus in the monkey. Rolls ET, et al. **Vision Res** 1985; 25(8):1021-35
[On specializations in the visual system] Diao YC. **Sheng Li Ke Hsueh Chin Chan** 1986 Jan;17(1):39-42 (45 ref.) (Chi)
[3 parallel channels transmit visual information from the retina. Anatomic and physiologic arguments] Vital-Durand F. **Rev Electroencephalogr Neurophysiol Clin** 1985 Dec; 15(3):217-23 (Eng. Abstr.) (Fre)
[Assessment of the size of a contour test image upon identification of the masker] Kostelianets NB, et al. **Fiziol Cheloveka** 1986 Mar-Apr;12(2):301-4 (Rus)
[Electroencephalogram and information read-out in the visual cortex of man during form recognition] Shevelev IA, et al. **Fiziol Cheloveka** 1985 Sep-Oct;11(5):707-11 (Rus)
[Principal mechanisms of inhibition of the visual cortex] Shevelev IA. **Fiziol Zh** 1985 Sep-Oct;31(5):562-9 (Eng. Abstr.) (Rus)
[Changes in the activity of neurons of the visual cortex during stimulation of midbrain raphe nuclei] Gasanov GG, et al. **Fiziol Zh SSSR** 1986 May;72(5):673-6 (Rus)
[Presence of a direct corticofugal effect on the function of the lateral geniculate body] Kul'gavin LE, et al. **Fiziol Zh SSSR** 1985 Nov;71(11):1439-41 (Rus)
[Activation of the mechanism of orientation selectivity of neurons of the visual cortex of the cat by a moving noise field] Alekseenko SV, et al. **Neirofiziologiia** 1985; 17(5):596-601 (Eng. Abstr.) (Rus)
[Principle of uncertainty in vision] Glezer VD, et al. **Neirofiziologiia** 1986;18(3):307-12 (Eng. Abstr.) (Rus)
[Differences in the properties of 2 groups of orientation detectors of the visual cortex in the cat] Lazareva NA, et al. **Neirofiziologiia** 1986;18(1):85-92 (Eng. Abstr.) (Rus)
[Color properties of the receptive fields of visual cortex neurons in the squirrel] Polkoshnikov EV, et al. **Neirofiziologiia** 1985;17(6):764-70 (Eng. Abstr.) (Rus)
[Interrelation among properties of visual cortex neurons in the cat] Shevelev IA, et al. **Neirofiziologiia** 1985; 17(5):587-96 (Eng. Abstr.) (Rus)
[2 types of generalization in the evolution of the visual brain] Praznikova NV, et al. **Zh Evol Biokhim Fiziol** 1985 Sep-Oct;21(5):435-42 (Eng. Abstr.) (Rus)
[Temporal organization of interneuronal relations in the cerebral cortex of the cat in relation to the level of alimentary motivation] Merzhanova GKh. **Zh Vyssh Nerv Deiat** 1986 May-Jun;36(3):520-8 (Eng. Abstr.) (Rus)
[Stimulation of the retina through chronically implanted photodiodes in the freely moving cat] Merzhanova GKh, et al. **Zh Vyssh Nerv Deiat** 1985 Sep-Oct;35(5):974-6 (Rus)
[Cross-correlation analysis of the background activity of visual cortex cells separated by different distances in the alert rabbit] Zhadin MN, et al. **Zh Vyssh Nerv Deiat** 1986 May-Jun;36(3):529-37 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Penicillin-induced epileptiform activity does not prevent ocular dominance shifts in monocularly deprived kittens. Videen TO, et al. **Brain Res** 1986 Apr 16;371(1):1-8
Permanent cortical visual impairment in children. Whiting S, et al. **Dev Med Child Neurol** 1985 Dec;27(6):730-9
Dark- and light-adapted visual evoked cortical potentials in retinitis pigmentosa. Jacobson SG, et al. **Doc Ophthalmol** 1985 Aug 30;60(2):189-96
Photic driving evoked by hemifield flickering dot pattern stimulation in a patient with brain tumor. Takahashi T, et al. **Electroencephalogr Clin Neurophysiol** 1985 Nov; 61(5):381-4
Visual field rehabilitation in the cortically blind? Balliet R, et al. **J Neurol Neurosurg Psychiatry** 1985 Nov; 48(11):1113-24
[Visual pathway diagnosis using the simultaneous registration of retinal and cortical pattern potentials] Bach M, et al. **Fortschr Ophthalmol** 1985;82(4):398-401 (Eng. Abstr.) (Ger)
[Simultaneous agnosia as a symptom of damage of the extrastriate visual cortex fields--a case study] Goldenberg G, et al. **Nervenarzt** 1985 Dec;56(12):682-90 (Ger)
[Visual acuity and pattern-evoked retinal and cortical potentials in pigmentary retinal dystrophy] Murayama K, et al. **Nippon Ganka Gakkai Zasshi** 1986 Feb;90(2):258-62 (Eng. Abstr.) (Jpn)
[Comparison between the PERG and PVECP obtained with multi-channel recording in multiple sclerosis] Takata I, et al. **Nippon Ganka Gakkai Zasshi** 1985 Dec;89(12):1391-6 (Eng. Abstr.) (Jpn)
[Oscillatory evoked potentials in the rabbit visual system during experimental retinal pathology induced by administration of monoiodoacetic acid] Gasanov GG, et al. **Biull Eksp Biol Med** 1985 Sep;100(9):289-92 (Eng. Abstr.) (Rus)

ULTRASTRUCTURE

Peculiarities in the structure of some plasma membranes in the visual cortex. A freeze-etch study. Surchev L. **Z Mikrosk Anat Forsch** 1985;99(5):813-22
[Comparative electron microscopic study of the visual cortex neurons of the cat in postnatal ontogeny] Kakabadze IM. **Tsitologiia** 1985 Oct;27(10):1123-8 (Eng. Abstr.) (Rus)

VISUAL EVOKED RESPONSE see **EVOKED POTENTIALS, VISUAL**

VISUAL FIELDS

see related
PERIMETRY

Long-term prognosis of visual field in glaucoma simplex and glaucoma capsular. Pohjanpelto P. **Acta Ophthalmol (Copenh)** 1985 Aug;63(4):418-23
A statistical trap in the evaluation of visual field decay. Krakau CE. **Acta Ophthalmol [Suppl] (Copenh)** 1985; 173:19-21
Perception of line orientation in the center and periphery of the visual field. Simeonova B, et al. **Acta Physiol Pharmacol Bulg** 1985;11(2):3-10
Pituitary atrophy in Korean (epidemic) hemorrhagic fever: CT correlation with pituitary function and visual field. Lim TH, et al. **AJNR** 1986 Jul-Aug;7(4):633-7
Comparison of visual field defects in normal-tension glaucoma and high-tension glaucoma [letter] Caprioli J, et al. **Am J Ophthalmol** 1986 Sep 15;102(3):402-4
Influence of age on the visual fields of normal subjects. Haas A, et al. **Am J Ophthalmol** 1986 Feb 15;101(2):199-203
Comparison of visual field defects in normal-tension glaucoma and high-tension glaucoma. King D, et al. **Am J Ophthalmol** 1986 Feb 15;101(2):204-7
The effect of refractive correction on automated perimetric thresholds. Weinreb RN, et al. **Am J Ophthalmol** 1986 Jun 15;101(6):706-9
Multi-flash campimetry as an indicator of visual field loss in glaucoma. Brussell EM, et al. **Am J Optom Physiol Opt** 1986 Jan;63(1):32-40
Remission of visual field loss in nonarteritic anterior ischemic optic neuropathy. Cho MH. **Am J Optom Physiol Opt** 1986 Jun;63(6):472-6
Preventing ambiguity in visual field descriptions. Edmondson LL. **Am J Optom Physiol Opt** 1986 Feb;63(2):163-5
Frequency distribution of early glaucomatous visual field defects. Henson DB, et al. **Am J Optom Physiol Opt** 1986 Jun;63(6):455-61
Visual field examination in glaucoma. Mikelberg FS. **Am J Optom Physiol Opt** 1986 Jun;63(6):477-82
Field of vergence limits. Sheni DD, et al. **Am J Optom Physiol Opt** 1986 Apr;63(4):252-8
Visual field area response to increased target intensity: a method of detecting ocular disease. Williams TD. **Am J Optom Physiol Opt** 1986 Jan;63(1):28-31
Blind spot "fixation" in normal eyes: implications for eccentric viewing in bilateral macular disease. Yap YL, et al. **Am J Optom Physiol Opt** 1986 Apr;63(4):259-64
Gun sighting, visual field defects, and a pituitary tumor [letter] Ullrich IH, et al. **Ann Intern Med** 1986 Sep; 105(3):463
Central visual field in patients with retinal branch vein occlusion. Kruger-Leite E, et al. **Ann Ophthalmol** 1985 Oct; 17(10):622-3
Improved color test results with large-field viewing in dichromats. Breton ME, et al. **Arch Ophthalmol** 1985 Oct; 103(10):1490-5
Age-related changes of the normal visual field. Jaffe GJ, et al. **Arch Ophthalmol** 1986 Jul;104(7):1021-5
Asymmetry and variation in the normal hill of vision. Katz J, et al. **Arch Ophthalmol** 1986 Jan;104(1):65-8
The detection of paracentral scotomas with varying grids in computed perimetry. King D, et al. **Arch Ophthalmol** 1986 Apr;104(4):524-5
Background illumination and automated perimetry. Klewin KM, et al. **Arch Ophthalmol** 1986 Mar;104(3):395-7
Duration of automated suprathreshold vs quantitative threshold field examination. Impact of age and ocular status. Kosoko O, et al. **Arch Ophthalmol** 1986 Mar; 104(3):398-401
Threshold Amsler grid testing. Cross-polarizing lenses enhance yield. Wall M, et al. **Arch Ophthalmol** 1986 Apr; 104(4):520-3
Laser trabeculoplasty and its effect on tonography, central visual fields, and anterior chamber depth. A preliminary study. Booth FM, et al. **Aust N Z J Ophthalmol** 1985 Nov; 13(4):337-42
An active method of extracting egomotion parameters from optical flow. Mori T. **Biol Cybern** 1985;52(6):405-7
Variability of the hill of vision and its significance in automated perimetry. Jacobs NA, et al. **Br J Ophthalmol** 1985 Nov;69(11):824-6
Progression of field loss after trabeculectomy: a five-year follow-up. Kidd MN, et al. **Br J Ophthalmol** 1985 Nov; 69(11):827-31
Peripheral vision and the aetiology of child pedestrian accidents. David SS, et al. **Br J Psychol** 1986 Feb;77 (Pt 1):117-35
Field potentials from the frog optic tectum in vitro. Sivilotti L. **Brain Res Bull** 1986 Apr;16(4):553-6
Monocular and binocular visual fields in different types of strabismus. Mahendrastari R, et al. **Bull Soc Belge Ophtalmol** 1986;213:77-81
Lexical decision, parafoveal eccentricity and visual hemifield. Babkoff H, et al. **Cortex** 1985 Dec;21(4):581-93
Evoked potentials to dynamic random dot stereograms in upper, center and lower fields. Fenelon B, et al. **Doc Ophthalmol** 1986 Jul 15;63(2):151-6
The spatial organization of retinal receptive fields in light and darkness as revealed by the pattern electroretinogram. Korth M, et al. **Doc Ophthalmol** 1986 Jul 15;63(2):143-9
Pattern ERG and glaucomatous visual field defects. van den

Berg TJ, et al. **Doc Ophthalmol** 1986 Jan 15;61(3-4):335-41
The interpretation of the differential threshold in the central visual field. Wild JM, et al. **Doc Ophthalmol** 1986 Feb 28; 62(2):191-202
Simple measures of visual-lobe size and search performance. Courtney AJ, et al. **Ergonomics** 1985 Sep;28(9):1319-31
The influence of visual field disorders on visual identification tasks. Zihl J, et al. **Eur Arch Psychiatry Neurol Sci** 1986; 236(1):61-4
Curvature detection in the visual field and a possible physiological correlate. Fahle M. **Exp Brain Res** 1986; 63(1):113-24
The effect of attentive fixation on eye movements evoked by electrical stimulation of the frontal eye fields. Goldberg ME, et al. **Exp Brain Res** 1986;61(3):579-84
Visuotopic information conveyed by each eye to the opossum's superior colliculus. Ramôa AS, et al. **Exp Brain Res** 1985;60(3):576-83
Visual lobe area for single targets on a competing homogeneous background. Courtney AJ, et al. **Hum Factors** 1985 Dec;27(6):643-52
Receptive fields and the representation of visual information. Zucker SW, et al. **Hum Neurobiol** 1986;5(2):121-8
Laterality differences in visual perception. Manelis NG, et al. **Hum Physiol** 1984 May-Jun;10(3):160-4
Interhemispheric interference during word naming. Liederman J. **Int J Neurosci** 1986 Aug;30(1-2):43-56
Clinical detection of abnormalities in central vision in chronic simple glaucoma using contrast sensitivity. Ross JE. **Int Ophthalmol** 1985 Sep;8(3):167-77
Interocular differences of the visual field in normal subjects. Brenton RS, et al. **Invest Ophthalmol Vis Sci** 1986 May; 27(5):799-805
The relation of monocular optokinetic nystagmus to peripheral binocular interactions. Mohn G, et al. **Invest Ophthalmol Vis Sci** 1986 Apr;27(4):565-73
Visual field defects for vergence eye movements and for stereomotion perception. Regan D, et al. **Invest Ophthalmol Vis Sci** 1986 May;27(5):806-19
The effect of protective sports eyewear on peripheral visual field and a peripheral visual performance task. Gallaway M, et al. **J Am Optom Assoc** 1986 Apr;57(4):304-10
Fully automated screening procedure for early detection of visual field defects. Postaire JG, et al. **J Biomed Eng** 1986 Apr;8(2):156-61
Bitemporal hemianopsia and bilateral nasal quadranopsia with macular sparing. Castillo M, et al. **J Clin Neuro Ophthalmol** 1985 Sep;5(3):213-5
A correlation between receptive field properties and morphological structures in the pretectum of the cat. Ballas I, et al. **J Comp Neurol** 1985 Aug 22;238(4):417-28
Projections to the superior temporal sulcus from the central and peripheral field representations of V1 and V2. Ungerleider LG, et al. **J Comp Neurol** 1986 Jun 8; 248(2):147-63
Internal frame of reference as a determinant of the oblique effect. Cecala AJ, et al. **J Exp Psychol [Hum Percept]** 1986 Aug;12(3):314-23
Positional differences in performance on members of confusable and nonconfusable letter pairs. Chastain G. **J Exp Psychol [Hum Percept]** 1985 Dec;11(6):752-64
Age-related decline in extrafoveal letter perception. Cerella J. **J Gerontol** 1985 Nov;40(6):727-36
Relative afferent pupillary defects in primary open-angle glaucoma--five years' experience. Page CJ, et al. **J Natl Med Assoc** 1985 Dec;77(12):979-84
Visual field rehabilitation in the cortically blind? Balliet R, et al. **J Neurol Neurosurg Psychiatry** 1985 Nov; 48(11):1113-24
Primate frontal eye fields. II. Physiological and anatomical correlates of electrically evoked eye movements. Bruce CJ, et al. **J Neurophysiol** 1985 Sep;54(3):714-34
Effects of unilateral frontal eye-field lesions on eye-head coordination in monkey. van der Steen J, et al. **J Neurophysiol** 1986 Apr;55(4):696-714
Long- and short-term monocular deprivation in the rhesus monkey: effects on visual fields and optokinetic nystagmus. Sparks DL, et al. **J Neurosci** 1986 Jun;6(6):1771-80
Velocity discrimination in central and peripheral visual field. Orban GA, et al. **J Opt Soc Am [A]** 1985 Nov;2(11):1836-47
Refractive sectors in the visual field of the pigeon eye. Fitzke FW, et al. **J Physiol (Lond)** 1985 Dec;369:33-44
Functional visual field of patients with visual field loss. Ikeda F, et al. **Jpn J Ophthalmol** 1985;29(2):222-37
Neurobiology. Pigment and visual projections [news] Lund RD. **Nature** 1986 May 15-21;321(6067):203-4
Relationship between spatial and spatial-frequency characteristics of receptive fields of cat visual cortex. Glezer VD, et al. **Neurosci Behav Physiol** 1985 Nov-Dec; 15(6):511-9
Vision loss without Amsler grid abnormalities in macular subretinal neovascularization. Roy MS. **Ophthalmologica** 1985;191(4):215-7
Evaluation of diagnostic capabilities of interactive test strategies in automated perimetry. Mills RP. **Ophthalmology** 1985 Sep;92(9):1181-6
Mapping the binocular visual field for a target embedded in a regular background. Courtney AJ, et al. **Percept Mot Skills** 1985 Dec;61(3 Pt 2):1067-73
Temporal integration and contrast sensitivity in foveal and peripheral vision. Rovamo J, et al. **Perception** 1984; 13(6):665-74
Effects of visual field, stimulus degradation, and level of practice on event-related potentials of the brain. Kok A, et al. **Psychophysiology** 1985 Nov;22(6):707-17
A new management system for glaucoma based on improvement of the appearance of the optic disc or visual field. Spaeth GL, et al. **Trans Am Ophthalmol Soc** 1985; 83:268-84
Assessment of the visual field by anyone, anywhere and at any time. Damato BE. **Trans Ophthalmol Soc UK** 1985;104 (Pt 6):681-5
Anisotropy in the preferred directions and visual field location of directionally-selective optic nerve fibers in the gray squirrel. Blakeslee B, et al. **Vision Res** 1985;25(4):615-8
Differences in the neural basis of human amblyopia: the distribution of the anomaly across the visual field. Hess RF, et al. **Vision Res** 1985;25(11):1577-94
The development of young infants' ability to detect stimuli in the nasal visual field. Lewis TL, et al. **Vision Res** 1985; 25(7):943-50
A further look at the binocular visual field of the pigeon (Columba livia). McFadden SA, et al. **Vision Res** 1985; 25(11):1741-6
[Defects in the nerve fibers of the retina and changes in computerized perimetry in the beginning stages of simple glaucoma] Kraus H, et al. **Cesk Oftalmol** 1985 Sep; 41(5):294-8 (Eng. Abstr.) (Cze)
[Advantages of sector occlusion for ocular paralysis] Berrondo P. **Bull Soc Ophtalmol Fr** 1985 Feb;85(2):271-4 (Fre)
[Primary empty sella turcica with chiasmatic involvement] Bourdiol AM, et al. **Bull Soc Ophtalmol Fr** 1985 Apr; 85(4):479-82 (Fre)
[Statistical analysis of visual fields by the automatic perimeter Octopus 2000 R with the Delta program] Pradines F, et al. **J Fr Ophtalmol** 1985;8(8-9):541-8 (Eng. Abstr.) (Fre)
[Improvement in glaucomatous perimetric deficits (letter)] Sellem E. **J Fr Ophtalmol** 1985;8(12):819-20 (Fre)
[Significance of peripheral vision for automobile drivers] Lachenmayr B. **Fortschr Ophthalmol** 1986;83(3):357-60 (Eng. Abstr.) (Ger)
[Detectability of glaucomatous visual field defects with the Octopus automatic perimeter. A comparison between program G-1 and programs 31 and 32 and their combinations] Gloor B, et al. **Klin Monatsbl Augenheilkd** 1986 Jan;188(1):33-8 (Eng. Abstr.) (Ger)
[CAU--an accessory device for automatic monitoring and evaluation of fixation with the computer perimeter Competer] Menapace R, et al. **Klin Monatsbl Augenheilkd** 1985 Oct;187(4):303-6 (Eng. Abstr.) (Ger)
[Glaucoma visual fields and filtering operations] Schnaudigel OE, et al. **Klin Monatsbl Augenheilkd** 1986 Feb; 188(2):112-3 (Eng. Abstr.) (Ger)
[Effect of stabilization of the visual field on rotatory testing] Krausen C, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Mar; 65(3):151-3 (Eng. Abstr.) (Ger)
[Influence of glare within the visual field and illuminance in the circumference on operators at a VDT workplace] Yamamoto T, et al. **Ann Physiol Anthropol** 1985 Jan; 4(1):11-6 (Eng. Abstr.) (Jpn)
[Quantitative evaluation of the visual field measured by Goldmann perimetry as a solid angle] Baba H. **Nippon Ganka Gakkai Zasshi** 1986 Jan;90(1):210-4 (Eng. Abstr.) (Jpn)
[The changes in visual field sensitivity accompanied with enlargement of the optic cup] Katsumori N, et al. **Nippon Ganka Gakkai Zasshi** 1985 Aug;89(8):928-33 (Eng. Abstr.) (Jpn)
[Effect of the size of the disc cup on the area of the isopters in normal, ocular hypertension and glaucomatous eyes] Ogawa T, et al. **Nippon Ganka Gakkai Zasshi** 1985 Jul; 89(7):816-25 (Eng. Abstr.) (Jpn)
[Effects of surgery in glaucoma on visual field volume] Seki A. **Nippon Ganka Gakkai Zasshi** 1986 Apr;90(4):581-8 (Eng. Abstr.) (Jpn)
[Effect of the width of a white background of an optotype on visual acuity] Koczorowski P, et al. **Klin Oczna** 1985 Jun;87(6):258-61 (Eng. Abstr.) (Pol)
[Visual acuity and static perimetry after the operation for retinal detachment] Winter W, et al. **Klin Oczna** 1986 Jan; 88(1):18 (Eng. Abstr.) (Pol)
[Relationship between the state of the optic disk and the central area of the visual field in primary open-angle glaucoma] Kazakova EL, et al. **Oftalmol Zh** 1985;(6):341-3 (Eng. Abstr.) (Rus)
[Comparative effectiveness of modified selective perimetry in the early detection of visual field changes in glaucoma] Sabaeva GF, et al. **Vestn Oftalmol** 1986 May-Jun; 102(3):69-71 (Rus)
[Study of the visual fields by comparing visual perception] Khachaturova NK. **Voen Med Zh** 1985 Aug;(8):60-1 (Rus)

DRUG EFFECTS

Effects of dopamine and its agonists and antagonists on the receptive field properties of ganglion cells in the rabbit retina. Jensen RJ, et al. **Neuroscience** 1986 Mar;17(3):837-55
The effect of pilocarpine on the visual field in normals. McCluskey DJ, et al. **Ophthalmology** 1986 Jun;93(6):843-6
[Studies with the computer-guided perimeter "Peritest" on the effect of Cosaldon A+E on glaucomatous visual field defects] Stark H. **Ophthalmologica** 1985;191(4):238-49 (Eng. Abstr.) (Ger)

VISUAL MOTOR COORDINATION see PSYCHOMOTOR PERFORMANCE

VISUAL PATHWAYS

Gliomas of visual pathways and hypothalamus in children--a preliminary report. Heicl F, et al. **Acta Neurochir [Suppl] (Wien)** 1985;35:106-10
MRI of optic chiasm and optic pathways. Albert A, et al. **AJNR** 1986 Mar-Apr;7(2):255-8
Visual pathways and the entrainment of circadian rhythms. Moore RY, et al. **Ann NY Acad Sci** 1985;453:123-33 (76 ref.)
Dynamic aspects of retinotectal map formation revealed by a vital-dye fiber-tracing technique. O'Rourke NA, et al. **Dev Biol** 1986 Apr;114(2):265-76
Analysis of visual evoked potentials using the time locus of potential distribution centre. Park KS, et al. **Med Biol Eng Comput** 1986 Mar;24(2):169-73
Involvement of posterior visual pathways by optic nerve gliomas. Lourie GL, et al. **Pediatr Radiol** 1986;16(4):271-4
Monocular deprivation in kittens differently affects crossed and uncrossed visual pathways. Bisti S, et al. **Vision Res** 1986;26(6):875-84
[Infantile optic glioma involving the whole optic pathway--a case report] Minokura K, et al. **No Shinkei Geka** 1986 Apr; 14(5):661-6 (Eng. Abstr.) (Jpn)

ABNORMALITIES

Problems of ocular miswiring in albinism, Duane's syndrome, and Marcus Gunn phenomenon. Creel D. **Int Ophthalmol Clin** 1984 Spring;24(1):165-76
Abnormalities of the central visual pathways in Prader-Willi syndrome associated with hypopigmentation. Creel DJ, et al. **N Engl J Med** 1986 Jun 19;314(25):1606-9
Albinism and visual pathways [editorial] Drüger UC. **N Engl J Med** 1986 Jun 19;314(25):1636-8

ANALYSIS

Innervation of cat visual areas 17 and 18 by physiologically identified X- and Y- type thalamic afferents. II. Identification of postsynaptic targets by GABA immunocytochemistry and Golgi impregnation. Freund TF, et al. **J Comp Neurol** 1985 Dec 8;242(2):275-91

ANATOMY & HISTOLOGY

Pretectal and accessory-optic visual nuclei of fish, amphibia and reptiles: theme and variations. Fite KV. **Brain Behav Evol** 1985;26(2):71-90 (110 ref.)
Pretectal complex and accessory optic system of primates. Weber JT. **Brain Behav Evol** 1985;26(2):117-40 (70 ref.)
The relationship between cell density and the nasotemporal division in the rat retina. Jeffery G. **Brain Res** 1985 Nov 18;347(2):354-7
Connections of the anterior ectosylvian visual area (AEV). Norita M, et al. **Exp Brain Res** 1986;62(2):225-40
The accessory optic system in a prosimian primate (Microcebus murinus): evidence for a direct retinal projection to the medial terminal nucleus. Cooper HM. **J Comp Neurol** 1986 Jul 1;249(1):28-47
Optic tectum of the eastern garter snake, Thamnophis sirtalis. IV. Morphology of afferents from the retina. Dacey DM, et al. **J Comp Neurol** 1986 Mar 15;245(3):301-18
Optic tectum of the eastern garter snake, Thamnophis sirtalis. I. Efferent pathways. Dacey DM, et al. **J Comp Neurol** 1986 Mar 1;245(1):1-28
Optic tectum of the eastern garter snake, Thamnophis sirtalis. V. Morphology of brainstem afferents and general discussion. Dacey DM, et al. **J Comp Neurol** 1986 Mar 22;245(4):423-53
Multiple visual areas in the caudal superior temporal sulcus of the macaque. Desimone R, et al. **J Comp Neurol** 1986 Jun 8;248(2):164-89
A second ascending visual pathway from the optic tectum to the telencephalon in the pigeon (Columba livia). Gamlin PD, et al. **J Comp Neurol** 1986 Aug 15;250(3):296-310
Peripheral and central oculomotor organization in the goldfish, Carassius auratus. Graf W, et al. **J Comp Neurol** 1985 Sep 22;239(4):391-401
Projections from the parabigeminal nucleus to the dorsal lateral geniculate nucleus in the tree shrew Tupaia glis. Hashikawa T, et al. **J Comp Neurol** 1986 Apr 15; 246(3):382-94
Origins of afferents to visual sprageniculate nucleus of the cat. Hicks TP, et al. **J Comp Neurol** 1986 Apr 22; 246(4):544-54
A callosal projection of area 17 upon the border region of area MT in the marmoset monkey, Callithrix jacchus. Kunz B, et al. **J Comp Neurol** 1985 Sep 22;239(4):413-9
Anatomical organization of the visual system of the mink, Mustela vison. McConnell SK, et al. **J Comp Neurol** 1986 Aug 1;250(1):109-32
Noradrenergic and serotoninergic innervation of cortical, thalamic, and tectal visual structures in Old and New World monkeys. Morrison JH, et al. **J Comp Neurol** 1986 Jan 1;243(1):117-38
Location and connections of visual cortical areas in the cat's suprasylvian sulcus. Sherk H. **J Comp Neurol** 1986 May

1;247(1):1–31
Morphology of retinogeniculate terminals in the turtle, Pseudemys scripta elegans. Sjöström AM, et al. **J Comp Neurol** 1985 Aug 1;238(1):107–20
A quantitative study of the relative contribution of different retinal sectors to the innervation of various thalamic and pretectal nuclei in goldfish. Springer AD, et al. **J Comp Neurol** 1985 Dec 15;242(3):369–80
Transient tectogeniculate projections in neonatal kittens: an autoradiographic study. Stein BE, et al. **J Comp Neurol** 1985 Sep 22;239(4):402–12
Cortical connections of visual area MT in the macaque. Ungerleider LG, et al. **J Comp Neurol** 1986 Jun 8; 248(2):190–222
Projections to the superior temporal sulcus from the central and peripheral field representations of V1 and V2. Ungerleider LG, et al. **J Comp Neurol** 1986 Jun 8; 248(2):147–63
Transient retino–inferior collicular fibres in neonatal rats: their persistence after removal of one eye at birth. Kato T, et al. **Neuropathol Appl Neurobiol** 1985 Jul–Aug; 11(4):265–72
A note on a tectal neuron projecting via the tectobulbar tract in teleosts. Sharma SC, et al. **Neurosci Lett** 1985 Sep 6; 59(3):265–70
Retinofugal projections in a weakly electric gymnotid fish (Apteronotus leptorhynchus). Sas E, et al. **Neuroscience** 1986 May;18(1):247–59
Flying primates? Megabats have the advanced pathway from eye to midbrain. Pettigrew JD. **Science** 1986 Mar 14; 231(4743):1304–6
[Neuronal specificity in retinotectal projection] Fujisawa H. **No To Shinkei** 1986 May;38(5):437–44 (27 ref.) **(Jpn)**
[Projections of the neurons of the medial terminal nucleus of the accessory optic tract to the caudate nucleus of the cat detected by the combined methods of retrograde axonal transport and experimental degeneration] Burchinskaia LF, et al. **Neirofiziologiia** 1986;18(2):214–9 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Signal detection analysis of residual vision in a field defect due to a post-geniculate lesion. Stoerig P, et al. **Neuropsychologia** 1985;23(5):589–99

CYTOLOGY

The dendritic architecture of the medial terminal nucleus of the accessory optic system in the rat, rabbit, and cat. Gregory KM, et al. **Exp Brain Res** 1985;60(3):501–8
Wide-spreading terminal axons in the inner plexiform layer of the cat's retina: evidence for intrinsic axon collaterals of ganglion cells. Dacey DM. **J Comp Neurol** 1985 Dec 8;242(2):247–62
The visual system of the channel catfish (Ictalurus punctatus). I. Retinal ganglion cell morphology. Dunn-Meynell AA, et al. **J Comp Neurol** 1986 May 1;247(1):32–55
Innervation of cat visual areas 17 and 18 by physiologically identified X- and Y- type thalamic afferents. I. Arborization patterns and quantitative distribution of postsynaptic elements. Freund TF, et al. **J Comp Neurol** 1985 Dec 8;242(2):263–74
The projections from striate cortex (V1) to areas V2 and V3 in the macaque monkey: asymmetries, areal boundaries, and patchy connections. Van Essen DC, et al. **J Comp Neurol** 1986 Feb 22;244(4):451–80

DRUG EFFECTS

Selective acrylamide-induced degeneration of color opponent ganglion cells in macaques. Eskin TA, et al. **Brain Res** 1986 Jul 23;378(2):379–84
Neurophysiology. Parallel channels and redundant mechanisms in visual cortex [news] Swindale NV. **Nature** 1986 Aug 28–Sep 3;322(6082):775–6

EMBRYOLOGY

The first appearance of the neural tube and optic primordium in the human embryo at stage 10. Müller F, et al. **Anat Embryol (Berl)** 1985;172(2):157–69
Dendritic development in the isthmo-optic nucleus of chick embryos. Clarke PG, et al. **Dev Neurosci** 1985;7(3):161–9
A vital-dye fiber-tracing technique to examine neuronal patterning and pattern regulation in the Xenopus eyebud. O'Rourke NA, et al. **Prog Clin Biol Res** 1986;217B:113–27

ENZYMOLOGY

2',3'-cyclic nucleotide 3'-phosphohydrolase activity in rat visual pathways with experimental allergic encephalomyelitis. Matsushima S, et al. **Jpn J Ophthalmol** 1986;30(1):74–81
Immunoreactivity for a calmodulin-dependent protein kinase is selectively increased in macaque striate cortex after monocular deprivation. Hendry SH, et al. **Proc Natl Acad Sci USA** 1986 Mar;83(5):1536–41

GROWTH & DEVELOPMENT

Visual projections in larval Ichthyophis kohtaoensis (Amphibia: gymnophiona). Fritzsch B, et al. **Brain Res** 1985 Dec;355(2):201–10
Development of the optic tract in the cichlid fish Haplochromis burtoni. Presson JC, et al. **Brain Res** 1986 May;391(2):179–86
Map formation in the developing Xenopus retinotectal system: an examination of ganglion cell terminal arborizations. Sakaguchi DS, et al. **J Neurosci** 1985 Dec; 5(12):3228–45
Prenatal development of cat retinogeniculate axon arbors in the absence of binocular interactions. Sretavan DW, et al. **J Neurosci** 1986 Apr;6(4):990–1003
Dynamic topography of visual evoked potential in children: a study of the development of the visual system. Tabuchi A. **Jpn J Ophthalmol** 1985;29(2):153–60
Substance P–containing ganglion cells become progressively less detectable during retinotectal development in the frog Rana pipiens. Kuljis RO, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(15):5736–40
Development of retinal central projection in Xenopus tadpoles. Fujisawa H, et al. **Prog Clin Biol Res** 1986; 217B:109–12
[Anatomy and development of the visual system of Pleurodeles poiretti] Compoint C, et al. **J Hirnforsch** 1986; 27(1):37–43 (Eng. Abstr.) **(Fre)**

INJURIES

[Changes in the functional characteristics of cells of the Clare–Bishop zone after unilateral partial isolation of the cat neocortex] Silakov VL, et al. **Neirofiziologiia** 1986; 18(2):180–7 (Eng. Abstr.) **(Rus)**

METABOLISM

Development of glutamate binding sites in the visual structures of the rat brain. Effect of visual pattern deprivation. Schliebs R, et al. **Biomed Biochim Acta** 1986; 45(4):495–506
A comparative radioautographic study of the bidirectional axonal and transcellular transport of different amino acids and sugars in the lamprey visual system. Repérant J, et al. **Brain Res** 1985 Dec 2;348(2):348–54
Dark-rearing affects the development of benzodiazepine receptors in the central visual structures of rat brain. Schliebs R, et al. **Brain Res** 1986 Jan;389(1–2):179–85
Response of astrocytes in the visual system to Wallerian degeneration: an immunohistochemical analysis of laminin and glial fibrillary acidic protein (GFAP). McLoon SC. **Exp Neurol** 1986 Mar;91(3):613–21
Remodeling and sorting process of ethanolamine and choline glycerophospholipids during their axonal transport in the rabbit optic pathway. Alberghina M, et al. **J Neurochem** 1985 Nov;45(5):1333–40
The transneuronal transport of horseradish peroxidase in the visual system of the frog, Rana pipiens. Hughes TE, et al. **Neuroscience** 1986 Feb;17(2):507–18

PHYSIOLOGY

Interactions between retinal ganglion cells during the development of the mammalian visual system. Shatz CJ, et al. **Annu Rev Neurosci** 1986;9:171–207 (134 ref.)
Artificial intelligence and the brain: computational studies of the visual system. Ullman S. **Annu Rev Neurosci** 1986; 9:1–26 (61 ref.)
Pattern formation in the retinal ganglion cell layer and visual brain centres. Beazley LD. **Aust N Z J Ophthalmol** 1985 May;13(2):93–102
Manipulation reach and visual reach neurons in the inferior parietal lobule of the rhesus monkey. Blum B. **Behav Brain Res** 1985 Nov–Dec;18(2):167–73
The involvement of monkey premotor cortex neurones in preparation of visually cued arm movements. Godschalk M, et al. **Behav Brain Res** 1985 Nov–Dec;18(2):143–57
Neglect after section of a left telencephalotectal tract in pigeons. Güntürkün O, et al. **Behav Brain Res** 1985 Oct–Nov;18(1):1–9
A macaque remembers pictures briefly viewed six months earlier. Ringo JL, et al. **Behav Brain Res** 1985 Dec; 18(3):289–94
Cortical control of oculomotor functions. II. Vestibulo-ocular reflex and visual–vestibular interaction. Ventre J. **Behav Brain Res** 1985 Oct;17(3):221–34
The relationship between signal response selectivity and the functional structure of complex retinal neural networks. Oğuztöreli MN, et al. **Biol Cybern** 1986;53(4):229–38
Lateral geniculate cells of different channels of the rat's visual pathway: response changes and functional plasticity. Davidowa H, et al. **Biomed Biochim Acta** 1986;45(5):681–4
The pretectal region of the rat participates in the regulation of goal–directed behaviour. Mager P, et al. **Biomed Biochim Acta** 1986;45(4):477–83
The accessory optic system and temporal correlates of visuomotor orientation. Fite KV, et al. **Brain Behav Evol** 1985;27(1):48–56
Accessory optic system and pretectum of birds: comparisons with those of other vertebrates. McKenna OC, et al. **Brain Behav Evol** 1985;26(2):91–116 (136 ref.)
Monocular and binocular optic inputs to salamander pretectal neurons: intracellular recording and HRP labelling study. Manteuffel G. **Brain Behav Evol** 1985;27(1):1–10
Spatial distribution of evoked potentials in the inferior olivary nucleus by stimulation of the visual afferents in the rat. Akaike T. **Brain Res** 1986 Mar 12;368(1):183–7
Disruption of auditory but not visual learning by destruction of intrinsic neurons in the rat medial geniculate body. LeDoux JE, et al. **Brain Res** 1986 Apr 23;371(2):395–9
Does axonal branching contribute to the overproduction of optic nerve fibers during early development of the cat's visual system? Lia B, et al. **Brain Res** 1986 Mar; 390(2):296–301
Nucleus isthmi provides most tectal choline acetyltransferase in the frog Rana pipiens. Ricciuti AJ, et al. **Brain Res** 1985 Aug 26;341(2):399–402
Axonal projections of X-cells to the superior colliculus and to the nucleus of the optic tract in cats. Sawai H, et al. **Brain Res** 1985 Aug 19;341(1):1–6
Modification of neuronal discharge along the ascending tectofugal pathway during visual conditioning. Wall JT, et al. **Brain Res** 1985 Sep 2;342(1):67–76
Synaptic delay in the lateral geniculate nucleus of the cat. Wang C, et al. **Brain Res** 1985 Sep 23;343(2):236–45
The neuronal pathway from the flocculus to the oculomotor nucleus: an electrophysiological study of group y nucleus in cats. Yamamoto F, et al. **Brain Res** 1986 Apr 23; 371(2):350–4
Electrical activity of anterior parts of the visual system obtained by nasopharyngeal recordings. Korth M. **Doc Ophthalmol** 1985 Oct 30;61(1):105–10
Role of the extra–geniculate pathway in visual guidance. II. Effects of lesioning the pulvinar–lateral posterior thalamic complex in the cat. Fabre-Thorpe M, et al. **Exp Brain Res** 1986;62(3):596–606
The effect of attentive fixation on eye movements evoked by electrical stimulation of the frontal eye fields. Goldberg ME, et al. **Exp Brain Res** 1986;61(3):579–84
Direct retinal pathways to the limbic thalamus of the monkey. Itaya SK, et al. **Exp Brain Res** 1986;61(3):607–13
Visuomotor properties of neurons of the anterior suprasylvian gyrus in the awake cat. Joseph JP, et al. **Exp Brain Res** 1986;62(2):355–62
Integration of visual and auditory information in bimodal neurones in the guinea–pig superior colliculus. King AJ, et al. **Exp Brain Res** 1985;60(3):492–500
Modulations of the lateral geniculate nucleus cell responses by a second discrete conditioning stimulus: implications of the superior colliculus in rabbits. Molotchnikoff S, et al. **Exp Brain Res** 1986;62(2):321–8
Saccade-related and visual activities in the pulvinar nuclei of the behaving rhesus monkey. Robinson DL, et al. **Exp Brain Res** 1986;62(3):625–34
Role of the extra–geniculate pathway in visual guidance. I. Effects of lesioning the superior colliculus in the cat. Viévard A, et al. **Exp Brain Res** 1986;62(3):587–95
Shifts in selective visual attention: towards the underlying neural circuitry. Koch C, et al. **Hum Neurobiol** 1985; 4(4):219–27
Binocularly driven neurons in the rostral part of the frog optic tectum. Gaillard F. **J Comp Physiol [A]** 1985 Jul; 157(1):47–55
Pathways of regenerated retinotectal axons in goldfish. I. Optic nerve, tract and tectal fascicle layer. Stuermer CA. **J Embryol Exp Morphol** 1986 Apr;93:1–28
Dynamics of cockroach ocellar neurons. Mizunami M, et al. **J Gen Physiol** 1986 Aug;88(2):275–92
Both striate cortex and superior colliculus contribute to visual properties of neurons in superior temporal polysensory area of macaque monkey. Bruce CJ, et al. **J Neurophysiol** 1986 May;55(5):1057–75
Primate frontal eye fields. II. Physiological and anatomical correlates of electrically evoked eye movements. Bruce CJ, et al. **J Neurophysiol** 1985 Sep;54(3):714–34
The binocular organization of complex cells in the cat's visual cortex. Ohzawa I, et al. **J Neurophysiol** 1986 Jul; 56(1):243–59
The binocular organization of simple cells in the cat's visual cortex. Ohzawa I, et al. **J Neurophysiol** 1986 Jul; 56(1):221–42
Pattern of convergence of the receptors of the barnacle's three ocelli onto second-order cells. Oland LA, et al. **J Neurophysiol** 1986 May;55(5):882–95
Dose–response analysis of effects of antibodies to large ganglion cells on the cat's retinogeniculate pathways. Crabtree JW, et al. **J Neurosci** 1986 May;6(5):1199–210
A role for action-potential activity in the development of neuronal connections in the kitten retinogeniculate pathway. Dubin MW, et al. **J Neurosci** 1986 Apr; 6(4):1021–36
Relationships between horizontal interactions and functional architecture in cat striate cortex as revealed by cross–correlation analysis. Ts'o DY, et al. **J Neurosci** 1986 Apr;6(4):1160–70
Total functional optic pathway experimental model in the cat. Delaunois AL, et al. **Methods Find Exp Clin Pharmacol** 1985 Jul;7(7):369–72
Perception of apparent motion by commissurotomy patients. Ramachandran VS, et al. **Nature** 1986 Mar 27–Apr 2; 320(6060):358–9
Enhanced detection in the aperture of focal attention during simple discrimination tasks. Sagi D, et al. **Nature** 1986 Jun 12–18;321(6071):693–5
Functions of the ON and OFF channels of the visual system. Schiller PH, et al. **Nature** 1986 Aug 28–Sep 3; 322(6082):824–5
Association of short–latent processes in the rabbit visual system with pre–excitation inhibition in the retina. Gadzhieva NA, et al. **Neurosci Behav Physiol** 1985 Nov–Dec;15(6):532–7
Effect of afferent visual impulses on morphological and

biochemical indices of the development of neurons of the optical, motor, and parietal cortex of the brain. Gershtein LM, et al. **Neurosci Behav Physiol** 1985 Nov-Dec; 15(6):465-70

An underestimated visual pathway in reptiles. Belekhova MG. **Neurosci Lett** 1985 Jul 4;58(1):111-6

Physiological properties of visually responsive neurones in the insular cortex of the cat. Benedek G, et al. **Neurosci Lett** 1986 Mar 14;64(3):269-74

Dorsolateral geniculate neurons in vitro: reduced postsynaptic excitability following repetitive activation of the optic tract. Hirsch JC, et al. **Neurosci Lett** 1985 Jul 4;58(1):151-6

Bilateral projections of neurons in the lateral geniculate nucleus and nucleus lateralis posterior to the visual cortex in the neonatal rat. Laemle LK, et al. **Neurosci Lett** 1986 Jan 30;63(3):207-14

Visual responses of neurons in the avian nucleus isthmi. Yan K, et al. **Neurosci Lett** 1986 Mar 14;64(3):340-4

Determinants of tonic and phasic reactions in transswitching. Murrin MR, et al. **Pavlov J Biol Sci** 1986 Jul-Sep; 21(3):117-23

Analog "neuronal" networks in early vision.Koch C, et al. **Proc Natl Acad Sci USA** 1986 Jun;83(12):4263-7

Understanding the intrinsic circuitry of the cat's lateral geniculate nucleus: electrical properties of the spine-triad arrangement. Koch C. **Proc R Soc Lond [Biol]** 1985 Sep 23;225(1240):365-90

Colour and brightness coding in the central nervous system: theoretical aspects and visual evoked potentials to homogeneous red and green stimuli. Paulus WM, et al. **Proc R Soc Lond [Biol]** 1986 Feb 22;227(1246):53-66

The perception of apparent motion. Ramachandran VS, et al. **Sci Am** 1986 Jun;254(6):102-9

[Comparative neurobiology of the organization of gaze-stabilizing reflex systems in vertebrates] Dieringer N. **Naturwissenschaften** 1986 Jun;73(6):299-304 (Eng. Abstr.) **(Ger)**

[Visual information processing from the retina to the prefrontal cortex] Watanabe M. **Shinrigaku Kenkyu** 1986 Feb;56(6):365-78 (108 ref.) (Eng. Abstr.) **(Jpn)**

[Source of light-evoked cortical activity after destruction of the main visual pathway] Lavrov VV. **Fiziol Zh SSSR** 1986 Mar;72(3):299-305 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Computed tomography and pattern reversal visual evoked potentials in chronic schizophrenic patients. Romani A, et al. **Acta Psychiatr Scand** 1986 May;73(5):566-73

Pattern-reversal visual evoked potentials in rabbits are resistant to occlusion of the carotid artery. Myslobodsky MS, et al. **Behav Brain Res** 1985 Dec;18(3):285-8

Fetal brain tissue transplants reduce visual deficits in adult rats with bilateral lesions of the occipital cortex. Stein DG, et al. **Behav Neural Biol** 1985 Sep;44(2):266-77

Delayed visual evoked potentials in chronic alcoholism. Meinck HM, et al. **J Neurol** 1986 Jun;233(3):161-3

Neurobiology. Pigment and visual projections [news] Lund RD. **Nature** 1986 May 15-21;321(6067):203-4

Investigations with centred fovea stimulation in multiple sclerosis. Psatta DM, et al. **Neurol Psychiatr (Bucur)** 1986 Apr-Jun;24(2):113-24

Cone antagonism along visual pathways of red/green dichromats. Friedman LJ, et al. **Vision Res** 1985; 25(11):1647-54

[Visual pathway diagnosis using the simultaneous registration of retinal and cortical pattern potentials] Bach M, et al. **Fortschr Ophthalmol** 1985;82(4):398-401 (Eng. Abstr.) **(Ger)**

RADIATION EFFECTS

Abnormal visual-evoked potentials in leukemic children after cranial radiation. Russo A, et al. **Med Pediatr Oncol** 1985; 13(6):313-7

VISUAL PERCEPTION

see related
VISION

Attention and perception: an information-integration perspective. Massaro DW. **Acta Psychol (Amst)** 1985 Dec; 60(2-3):211-43

Rhesus monkey as a model for normal vision of humans. Harwerth RS, et al. **Am J Optom Physiol Opt** 1985 Sep; 62(9):633-41

Two cases of lifelike visualizations based on imagination in posttraumatic stress disorder [letter] Burstein A. **Am J Psychiatry** 1986 Jul;143(7):939

Confirmation of processing deficits in schizophrenia [letter] Schwartz BD, et al. **Am J Psychiatry** 1986 Feb; 143(2):269-70

Effects of material rewards on inkblot perception and organization. Fabes RA, et al. **Am J Psychol** 1985 Fall; 98(3):399-407

Visual priming effects as a measure of short-term visual memory. Kroll NE, et al. **Am J Psychol** 1985 Fall; 98(3):449-68

Acquisition and retention of active avoidance behavior in previsual rats. Misanin JR, et al. **Am J Psychol** 1985 Winter; 98(4):485-501

Visual sensitivity. Cohn TE, et al. **Annu Rev Psychol** 1986; 37:495-521

Effect of wearing chemical protective clothing in the heat on signal detection over the visual field. Kobrick JL, et al. **Aviat Space Environ Med** 1986 Feb;57(2):144-8

Interactions between visual and muscular information in illusions of limb movement. Tardy-Gervet MF, et al. **Behav Brain Res** 1986 May;20(2):161-74

Visual motion, binocular correspondence and binocular rivalry. Blake R, et al. **Biol Cybern** 1985;52(6):391-7

Dynamic shape. Koenderink JJ, et al. **Biol Cybern** 1986; 53(6):383-96

Perception of solid shape from shading. Mingolla E, et al. **Biol Cybern** 1986;53(3):137-51

Mechanisms and asymmetries in visual perception of simultaneity and temporal order. Mitrani L, et al. **Biol Cybern** 1986;54(3):159-65

Some new phenomena in the perception of glass patterns. Prazdny K. **Biol Cybern** 1986;53(3):153-8

Non-linearities in cortical simple cells and the possible detection of zero crossings. Richter J, et al. **Biol Cybern** 1986;53(3):195-202

On the mechanisms underlying appearance of responses to movement, directional sensitivity and velocity tuning of the cat's striate cortical neurons. Vitanova L, et al. **Biol Cybern** 1985;52(4):237-46

Some reversible image operators from the point of view of cellular automata. Zamperoni P. **Biol Cybern** 1986; 54(4-5):253-61

Lateralization of visual hallucinations in chronic schizophrenia. Bracha HS, et al. **Biol Psychiatry** 1985 Oct; 20(10):1132-6

The cortical magnification factor and photopic vision. Pointer JS. **Biol Rev Cambridge Philosophic Soc** 1986 May; 61(2):97-119 (123 ref.)

Colour stability and visual perception of dimethacrylate based dental composite resins. Cook WD, et al. **Biomaterials** 1985 Jul;6(4):257-64

Schizotaxia, information processing and the MMPI 2-7-8 code type. Nakano K, et al. **Br J Clin Psychol** 1985 Sep; 24 (Pt 3):217-8

The nature of reversible letter confusions in dyslexic and normal readers: misperception or mislabelling? Bigsby P. **Br J Educ Psychol** 1985 Nov;55 (Pt 3):264-72

Peripheral vision and the aetiology of child pedestrian accidents. David SS, et al. **Br J Psychol** 1986 Feb;77 (Pt 1):117-35

Colour and luminance vision in human optic neuritis. Mullen KT, et al. **Brain** 1986 Feb;109 (Pt 1):1-13

Fresh fields and postures new: a discussion paper. Corballis MC. **Brain Cogn** 1986 Apr;5(2):240-52

Cerebral asymmetries and experimental parameters: real differences and imaginary variations? Hardyck C. **Brain Cogn** 1986 Apr;5(2):223-39

Role of task factors in visual field asymmetries. Hellige JB, et al. **Brain Cogn** 1986 Apr;5(2):200-22

Psychophysics of lateral tachistoscopic presentation. Kitterle FL. **Brain Cogn** 1986 Apr;5(2):131-62

Role of input factors in visual-field asymmetries. Sergent J, et al. **Brain Cogn** 1986 Apr;5(2):174-99

Prolegomena to the use of the tachistoscope in neuropsychological research. Sergent J. **Brain Cogn** 1986 Apr;5(2):127-30

The effects of prefrontal leucotomy on visuoperceptive and visuoconstructive tests. Stuss DT, et al. **Bull Clin Neurosci** 1984;49:43-51

Results of a shortened lightness discrimination test. Pinckers A, et al. **Bull Soc Belge Ophtalmol** 1984;210:149-53

The suffix effect and preattentive unit-formation in visual short-term memory. Frick RW, et al. **Can J Psychol** 1986 Jun;40(2):97-108

Identification of words and letters during reading: a sentence inferiority effect for letter detection. Masson ME, et al. **Can J Psychol** 1985 Sep;39(3):449-59

Stimulus congruity and S-R compatibility as determinants of interference in a Stroop-like task. Zakay D, et al. **Can J Psychol** 1985 Sep;39(3):414-23

Migraine art. Wilkinson M, et al. **Cephalalgia** 1985 Sep; 5(3):151-7

Young children's comprehension of montage. Smith R, et al. **Child Dev** 1985 Aug;56(4):962-71

The TacVi technique: a tactile-visual method for exploring the self-concept of preschool children. Rodriguez-Andrew S, et al. **Child Welfare** 1986 May-Jun;65(3):305-11

Defective revisualization: dissociation between cognitive and imagistic thought case report and short review of the literature. Botez MI, et al. **Cortex** 1985 Sep;21(3):375-89

Individual use of judgmental dimensions and hemispheric specificity. Brandeis R, et al. **Cortex** 1985 Sep;21(3):327-57

Colour versus orientation discrimination in severely brain-damaged and normal adults. Goldstein LH, et al. **Cortex** 1986 Jun;22(2):261-6

Effect of visual display scale on duration estimates. Bobko DJ, et al. **Hum Factors** 1986 Apr;28(2):153-8

Optimal colors, phosphors, and illuminant characteristics of CRT displays: the algorithmic approach. De Corte W. **Hum Factors** 1986 Feb;28(1):39-47

Visual accommodation and virtual image displays: target detection and recognition. Norman J, et al. **Hum Factors** 1986 Apr;28(2):135-51

Perception-response time to unexpected roadway hazards. Olson PL, et al. **Hum Factors** 1986 Feb;28(1):91-6

Daylight conspicuity of reversible-lane signal systems. Strybel TZ, et al. **Hum Factors** 1986 Feb;28(1):83-9

Interhemispheric asymmetry during recognition of standard and noise-obscured textured stimuli. Udalova GP, et al. **Hum Physiol** 1985 Jan-Feb;11(1):13-20

Phenomenon of pseudolocalization of a visual pattern and functional asymmetry of the human brain. Yarlykov VN. **Hum Physiol** 1984 Jul-Aug;10(4):256-60

Hypnotizability and speed of visual information processing. Friedman H, et al. **Int J Clin Exp Hypn** 1986 Jul; 34(3):234-41

Hemispheric differences in the perception of positive and negative faces. Wedding D, et al. **Int J Neurosci** 1985 Aug; 27(3-4):277-81

An evaluation of perceptual retraining. Lincoln NB, et al. **Int Rehabil Med** 1985;7(3):99-101

A comparison of color and luminance discrimination in amblyopia. Bradley A, et al. **Invest Ophthalmol Vis Sci** 1986 Sep;27(9):1404-9

The perception of radiologic image information. Report of an NCI workshop on April 15-16, 1985. Kundel HL, et al. **Invest Radiol** 1985 Nov;20(8):874-7

Perceptual and conceptual variants of the oddity task as a predictor of learning disability. Greenfield DB, et al. **J Abnorm Child Psychol** 1986 Mar;14(1):135-48

Short-term visual memory in schizophrenics. Knight RA, et al. **J Abnorm Psychol** 1985 Nov;94(4):427-42

Visual information-processing deficits in chronic schizophrenic subjects using tasks matched for discriminating power. Knight RG, et al. **J Abnorm Psychol** 1985 Nov;94(4):454-9

Comments on three recent subliminal psychodynamic activation investigations [letter] Silverman LH. **J Abnorm Psychol** 1985 Nov;94(4):640-8

Visual feedback during speech production. Tye-Murray N. **J Acoust Soc Am** 1986 Apr;79(4):1169-71

The clinical management of perceptual skills disorders in a primary care practice. Rosner J, et al. **J Am Optom Assoc** 1986 Jan;57(1):56-9

The correlations of perceptual-motor maturation to readiness and reading in kindergarten and the primary grades. Solan HA, et al. **J Am Optom Assoc** 1986 Jan;57(1):28-35

A case study of eyewitness memory of a crime. Yuille JC, et al. **J Appl Psychol** 1986 May;71(2):291-301

Interhemispheric transfer and the completion of reversible operations in non-conserving children. Joseph R, et al. **J Clin Psychol** 1985 Nov;41(6):796-800

Elasmobranch eye motor dynamics characterised using pseudorandom stimulus. Paulin MG, et al. **J Comp Physiol [A]** 1986 May;158(5):723-8

Social interaction with siblings is necessary for visual imprinting of species-specific maternal preferences in ducklings (Anas platyrhynchos). Lickliter R, et al. **J Comp Psychol** 1985 Dec;99(4):371-9

Left-right coding and skills related to beginning reading. Fisher CB, et al. **J Dev Behav Pediatr** 1985 Oct;6(5):279-83

Stimulus definition in conditional discriminations. Iversen IH, et al. **J Exp Anal Behav** 1986 May;45(3):297-304

Conjoint control of performance in conditional discriminations by successive and simultaneous stimuli. White KG. **J Exp Anal Behav** 1986 Mar;45(2):161-74

Organization in visual episodic memory: relationships between verbalized knowledge, strategy use, and performance. Cantor DS, et al. **J Exp Child Psychol** 1985 Oct;40(2):218-32

Developmental changes in selective and integrative visual attention. Enns JT, et al. **J Exp Child Psychol** 1985 Oct; 40(2):319-37

Self-recognition: a study of a population without mirrors. Priel B, et al. **J Exp Child Psychol** 1986 Apr;41(2):237-50

Eye movements and the perceptual span in beginning and skilled readers. Rayner K. **J Exp Child Psychol** 1986 Apr; 41(2):211-36

The development of contrast constancy. Stephens BR, et al. **J Exp Child Psychol** 1985 Dec;40(3):528-47

The effectiveness of imagery and sentence strategy instructions as a function of visual and auditory processing in young school-age children. Weed K, et al. **J Exp Child Psychol** 1985 Dec;40(3):548-61

Levels of selection and capacity limits. Dark VJ, et al. **J Exp Psychol [Gen]** 1985 Dec;114(4):472-97

Holistic and analytic modes of processing: the multiple determinants of perceptual analysis. Foard CF, et al. **J Exp Psychol [Gen]** 1984 Mar;113(1):94-111

Repetition effects in word and pseudoword identification: comment on Salasoo, Shiffrin, and Feustel. Johnston JC, et al. **J Exp Psychol [Gen]** 1985 Dec;114(4):498-508

Components of activation: repetition and priming effects in lexical decision and recognition. Ratcliff R, et al. **J Exp Psychol [Gen]** 1985 Dec;114(4):435-50

Memory codes and episodes in models of word identification: a reply to Johnston, van Santen, and Hale. Salasoo A, et al. **J Exp Psychol [Gen]** 1985 Dec;114(4):509-13

Are lexical decisions a good measure of lexical access? The role of word frequency in the neglected decision stage. Balota DA, et al. **J Exp Psychol [Hum Percept]** 1984 Jun; 10(3):340-57

Measuring efficiency of selection from briefly exposed visual displays: a model for partial report. Bundesen C, et al. **J Exp Psychol [Hum Percept]** 1984 Jun;10(3):329-39

Allocation of attention in the visual field. Eriksen CW, et al. **J Exp Psychol [Hum Percept]** 1985 Oct;11(5):583-97

Sensory registration and informational persistence. Irwin DE, et al. **J Exp Psychol [Hum Percept]** 1986 Aug;12(3):343–60

Locus and persistence of capacity limitations in visual information processing. Kleiss JA, et al. **J Exp Psychol [Hum Percept]** 1986 May;12(2):200–10

Perceptual interactions in two-word displays: familiarity and similarity effects. McClelland JL, et al. **J Exp Psychol [Hum Percept]** 1986 Feb;12(1):18–35

Dependence, independence, and emergence of word features. Oden GC. **J Exp Psychol [Hum Percept]** 1984 Jun; 10(3):394–405

Processing stages in overlapping tasks: evidence for a central bottleneck. Pashler H. **J Exp Psychol [Hum Percept]** 1984 Jun;10(3):358–77

Evidence against late selection: stimulus quality effects in previewed displays. Pashler H. **J Exp Psychol [Hum Percept]** 1984 Jun;10(3):429–48

Does attention affect visual feature integration? Prinzmetal W, et al. **J Exp Psychol [Hum Percept]** 1986 Aug; 12(3):361–9

Illusory words: the roles of attention and of top–down constraints in conjoining letters to form words. Treisman A, et al. **J Exp Psychol [Hum Percept]** 1986 Feb;12(1):3–17

Auditory and temporal factors in the modality effect. Crowder RG. **J Exp Psychol [Learn Mem Cogn]** 1986 Apr; 12(2):268–78

Frequency discrimination: assessing global–level and element–level units in memory. Hock HS, et al. **J Exp Psychol [Learn Mem Cogn]** 1986 Apr;12(2):232–40

Discontinuity in cognitive skill. Kolers PA, et al. **J Exp Psychol [Learn Mem Cogn]** 1985 Oct;11(4):655–74

How flexible is picture rehearsal? Discussion of Watkins' comment [letter] Proctor RW. **J Exp Psychol [Learn Mem Cogn]** 1985 Oct;11(4):825–8

Effect of referent object familiarity on verbal learning in the sighted and the blind. Sholl MJ, et al. **J Exp Psychol [Learn Mem Cogn]** 1986 Apr;12(2):190–200

Strategies of picture rehearsal: a comment on Proctor's (1983) article [letter] Watkins MJ. **J Exp Psychol [Learn Mem Cogn]** 1985 Oct;11(4):821–4

Metacognitive components of visual search in children. Miller PH, et al. **J Genet Psychol** 1985 Jun;146(2):249–59

Improving visual perception in older observers. Ball K, et al. **J Gerontol** 1986 Mar;41(2):176–82

Picture superiority in free recall: the effects of normal aging and primary degenerative dementia. Rissenberg M, et al. **J Gerontol** 1986 Jan;41(1):64–71

The monkey vertical vestibuloocular response: a frequency domain study. Correia MJ, et al. **J Neurophysiol** 1985 Sep; 54(3):532–48

Contrast gain control in the cat's visual system. Ohzawa I, et al. **J Neurophysiol** 1985 Sep;54(3):651–67

Contrast gain control in the kitten's visual system. Sclar G, et al. **J Neurophysiol** 1985 Sep;54(3):668–75

Synaptic mechanisms of a tonic EPSP in crustacean visual interneurons: analysis and simulation. Waldrop B, et al. **J Neurophysiol** 1985 Sep;54(3):636–50

Integration of direction signals of image motion in the superior temporal sulcus of the macaque monkey. Saito H, et al. **J Neurosci** 1986 Jan;6(1):145–57

Analysis of local and wide–field movements in the superior temporal visual areas of the macaque monkey. Tanaka K, et al. **J Neurosci** 1986 Jan;6(1):134–44

What is psychophysically perfect image stabilization? Do perfectly stabilized images always disappear? Arend LE, et al. **J Opt Soc Am [A]** 1986 Feb;3(2):235–41

Effect of quantization noise on visual signal detection in noisy images. Burgess A. **J Opt Soc Am [A]** 1985 Sep;2(9):1424–8

Visual signal detection. III. On Bayesian use of prior knowledge and cross correlation. Burgess A. **J Opt Soc Am [A]** 1985 Sep;2(9):1498–507

Perceived contrast in the fovea and periphery. Cannon MW Jr. **J Opt Soc Am [A]** 1985 Oct;2(10):1760–8

Spectral responsivity of the white–black channel. Fuld K, et al. **J Opt Soc Am [A]** 1986 Aug;3(8):1182–8

Image gathering and processing: information and fidelity. Huck FO, et al. **J Opt Soc Am [A]** 1985 Oct;2(10):1644–66

Small, brief foveal stimuli: an additivity experiment. Kaiser PK, et al. **J Opt Soc Am [A]** 1986 Jul;3(7):930–4

Phase discrimination of compound gratings: generalized autocorrelation analysis. Klein SA, et al. **J Opt Soc Am [A]** 1986 Jun;3(6):868–79

Double–judgment psychophysics: problems and solutions. Klein SA. **J Opt Soc Am [A]** 1985 Sep;2(9):1560–85

Simultaneous measurement of spatial–frequency summation and uncertainty effects. Kramer P, et al. **J Opt Soc Am [A]** 1985 Sep;2(9):1533–42

Psychophysics of reading. IV. Wavelength effects in normal and low vision. Legge GE, et al. **J Opt Soc Am [A]** 1986 Jan;3(1):40–51

Uncertainty explains many aspects of visual contrast detection and discrimination. Pelli DG. **J Opt Soc Am [A]** 1985 Sep;2(9):1508–32

Visual localization: age and practice. Sekuler R, et al. **J Opt Soc Am [A]** 1986 Jun;3(6):864–7

Detection and identification: how are they related? Thomas JP. **J Opt Soc Am [A]** 1985 Sep;2(9):1457–67

Artistic creation as stimulated by superimposed versus combined–composite visual images. Rothenberg A. **J Pers Soc Psychol** 1986 Feb;50(2):370–81

Differential conformity rates to perceptual and logical tasks. Liberman D, et al. **J Soc Psychol** 1986 Apr;126(2):273–5

Voltage–sensitive dyes reveal a modular organization in monkey striate cortex. Blasdel GG, et al. **Nature** 1986 Jun 5–11;321(6070):579–85

Remote viewing exposed [letter] Marks D, et al. **Nature** 1986 Feb 6–12;319(6053):444

Symmetry–coded cells in the visual cortex? [letter] Rentschler I. **Nature** 1985 Oct 17–23;317(6038):581–2

Vernier acuity of neurones in cat visual cortex. Swindale NV, et al. **Nature** 1986 Feb 13–19;319(6054):591–3

Optical mapping of activity in primate visual cortex [news] Van Essen D, et al. **Nature** 1986 Jun 5–11;321(6070):564–5

Neuronal oscillations in the human brain. Discontinuous initiations of pursuit eye movements indicate a 30–Hz temporal framework for visual information processing. Pöppel E, et al. **Naturwissenschaften** 1986 May;73(5):267–8

Bridging a neuronal gap. Perceptual completion across a cortical scotoma is dependent on stimulus motion. Pöppel E. **Naturwissenschaften** 1985 Nov;72(11):599–600

Effect of visual complexity in tachistoscopic recognition of Kanji and Kana symbols by German subjects. Hartje W, et al. **Neuropsychologia** 1986;24(2):297–300

Matching– and delayed matching–to–sample performance as measures of visual processing, selective attention, and memory in aging and alcoholic individuals. Oscar–Berman M, et al. **Neuropsychologia** 1985;23(5):639–51

Role of visual richness in picture recognition memory. Anglin GJ, et al. **Percept Mot Skills** 1985 Dec;61(3 Pt 2):1303–6

Relationship of left–right reversals to academic achievement. Boone HC. **Percept Mot Skills** 1986 Feb;62(1):27–33

Other race recognition: a comparison of black American and African subjects. Carroo AW. **Percept Mot Skills** 1986 Feb; 62(1):135–8

Effect of magnification on texture perception. Heller MA. **Percept Mot Skills** 1985 Dec;61(3 Pt 2):1242

Relation of ineffective communication of emotion and children's recognition of emotional expressions. Kalliopuska M. **Percept Mot Skills** 1985 Dec;61(3 Pt 2):1175–8

Visual memory in a spelling matching task: comparison of good and poor spellers. Ormrod JE. **Percept Mot Skills** 1985 Aug;61(1):183–8

Nonveridical factors of visual perception and close following on the road. Reinhardt–Rutland AH. **Percept Mot Skills** 1985 Aug;61(1):255–8

Effect of the orienting response on sensory discriminability. Shek DT, et al. **Percept Mot Skills** 1985 Dec;61(3 Pt 1):987–1003

Abilities of normal and reading–disabled children to combine the visual and auditory modalities with dimensions of space and time. Willette TL, et al. **Percept Mot Skills** 1985 Dec; 61(3 Pt 2):1295–8

Stimulus duration may affect partial report performance. Dixon P. **Perception** 1985;14(1):63–6

It's all done with mirrors: proof of non–existence. Kennedy JM. **Perception** 1985;14(4):513–4

Discrimination of higher–order textures. Nothdurft HC. **Perception** 1985;14(5):539–43

The effect of binocular and monocular viewing conditions on performance of rats in the Morris water maze. Panakhova E, et al. **Physiol Bohemoslov** 1986;35(1):53–61

The effect of gaze motor signals and spatially directed attention on eye movements and visual perception. Grüsser OJ. **Prog Brain Res** 1986;64:391–404 (40 ref.)

Visual vigilance and psychopathology. Strauss ME, et al. **Psychiatry Res** 1986 Jul;18(3):285–7

Perception of self–motion: psychophysical and computational approaches. Andersen GJ. **Psychol Bull** 1986 Jan; 99(1):52–65

The role of prior context in the comprehension of abstract and concrete sentences. Holmes VM, et al. **Psychol Res** 1985;47(3):159–71

On the word–superiority effect. Marchetti FM, et al. **Psychol Res** 1986;48(1):23–35

Stimulation and perception of transparency. Metelli F. **Psychol Res** 1985;47(4):185–202

Effects of secondary tasks on search performance. Prinz W, et al. **Psychol Res** 1986;48(1):47–51

Some principles of sensory analysis. Laming D. **Psychol Rev** 1985 Oct;92(4):462–85

Stereopsis and binocular rivalry. Wolfe JM. **Psychol Rev** 1986 Jul;93(3):269–82

Blink activity in a discrimination task as a function of stimulus modality and schedule of presentation. Goldstein R, et al. **Psychophysiology** 1985 Nov;22(6):629–35

Reading without phonology? Besner D, et al. **Q J Exp Psychol [A]** 1985 Aug;37(3):477–91

Access to spoken language and the acquisition of orthographic structure: evidence from deaf readers. Hanson VL. **Q J Exp Psychol [A]** 1986 May;38(2):193–212

Authors' correction to "Routes to object constancy". Humphreys GW, et al. **Q J Exp Psychol [A]** 1985 Aug; 37(3):493–5

The importance of an updating internal representation of the environment in the control of visual sampling. Maule AJ. **Q J Exp Psychol [A]** 1985 Nov;37(4):533–51

Naming and categorizing faces and written names. Young AW, et al. **Q J Exp Psychol [A]** 1986 May;38(2):297–318

Access to identity–specific semantic codes from familiar faces. Young AW, et al. **Q J Exp Psychol [A]** 1986 May; 38(2):271–95

Visual perception and image display terminals. Kundel HL. **Radiol Clin North Am** 1986 Mar;24(1):69–78

Correspondence matching in apparent motion: evidence for three–dimensional spatial representation. Green M, et al. **Science** 1986 Sep 26;233(4771):1427–9

Optical image quality and the cone mosaic. Snyder AW, et al. **Science** 1986 Jan 31;231(4737):499–501

Seeing but not recognizing. Trobe JR, et al. **Surv Ophthalmol** 1986 Mar–Apr;30(5):328–36

A study of explicit greytone perception on TV video monitors. Breyer B, et al. **Ultrasound Med Biol** 1983;Suppl 2:197–201

[Dyslexia, a disorder of visual neurophysiology] Bonneval G. **Bull Soc Ophtalmol Fr** 1985 Aug–Sep;85(8–9):913–6 (Fre)

[Studies on lexical morphology: transformations related to number] Champagnol R. **Can J Psychol** 1985 Sep; 39(3):424–39 (Eng. Abstr.) (Fre)

[Comparative neurobiology of the organization of gaze–stabilizing reflex systems in vertebrates] Dieringer N. **Naturwissenschaften** 1986 Jun;73(6):299–304 (Eng. Abstr.) (Ger)

[Experiments with Fechner's paradox of binocular brightness] Irtel H. **Z Exp Angew Psychol** 1986;33(3):413–22 (Eng. Abstr.) (Ger)

[Model of the interpretation process in the visual analysis of orienting tests] Neymeyer HG, et al. **Z Med Lab Diagn** 1986;27(1):34–9 (Eng. Abstr.) (Ger)

[Hemispheric asymmetry in a visual recognition task. A tachistoscopic study] Grossi D, et al. **Boll Soc Ital Biol Sper** 1985 Dec 30;61(11–12):1627–34 (Eng. Abstr.) (Ita)

[Pattern recognition by scanning stimulation through vision and skin sensation] Kume Y, et al. **Iyodenshi To Seitai Kogaku** 1985 Apr;23(2):122–5 (Eng. Abstr.) (Jpn)

[A case of Bálint's syndrome caused by bilateral cerebral watershed infarction] Matsuda M, et al. **Rinsho Shinkeigaku** 1986 Feb;26(2):184–9 (Eng. Abstr.) (Jpn)

[Change in conflict strength measured by Color–Word Test in childhood, adulthood, and the aged] Hama H, et al. **Shinrigaku Kenkyu** 1985 Aug;56(3):175–9 (Eng. Abstr.) (Jpn)

[Acquisition of audio–visual conditional discrimination in pigeons] Handa M. **Shinrigaku Kenkyu** 1985 Jun;56(2):63–7 (Eng. Abstr.) (Jpn)

[Semantic priming effect on the perception of a Kanji] Kawaguchi J. **Shinrigaku Kenkyu** 1985 Dec;56(5):296–9 (Eng. Abstr.) (Jpn)

[Effects of levels–of–processing on retention of target and nontarget words in a selective attention task] Tsuzuki T. **Shinrigaku Kenkyu** 1986 Feb;56(6):328–34 (Eng. Abstr.) (Jpn)

[Interference in the Stroop color–naming task] Yamazaki A. **Shinrigaku Kenkyu** 1985 Oct;56(4):185–91 (Eng. Abstr.) (Jpn)

[Perception of a person's face and the process of personalization–depersonalization] Oyarzun F. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1985 Mar–Apr;13(2):74–6 (Spa)

DRUG EFFECTS

Visual processing in children exposed prenatally to marihuana and nicotine: a preliminary report. Tansley BW, et al. **Can J Public Health** 1986 May–Jun;77 Suppl 1:72–8

Prenatal ethanol exposure in rats does not alter maze exploration or impair visual discrimination with or without distracting stimuli. Means LW, et al. **Neurobehav Toxicol Teratol** 1986 Jan–Feb;8(1):1–5

Alcohol effects on signal detection performance. Jansen AA, et al. **Neuropsychobiology** 1985;14(2):83–7

Response of solvent–exposed printers and unexposed controls to six–hour toluene exposure. Baelum J, et al. **Scand J Work Environ Health** 1985 Aug;11(4):271–80

[Central visual syndromes] Sirbat D. **Bull Soc Ophtalmol Fr** 1985 Nov;Spec No:231–54 (Fre)

[Effect of theophylline and caffeine on sensory retinal function in the human] Kohen L, et al. **Fortschr Ophthalmol** 1986;83(3):338–44 (Eng. Abstr.) (Ger)

PHYSIOLOGY

Cerebral hemispheric differences in visual perception of various types of verbal material. Budohoska W, et al. **Acta Neurobiol Exp (Warsz)** 1983;43(3):201–13

Dynamic and static properties of neurons in the lateral suprasylvian area of the cat. Harutiunian–Kozak BA, et al. **Acta Neurobiol Exp (Warsz)** 1985;45(3–4):77–90

Hemispheric asymmetry in visual perception of temporal order. Shekerdjiiski S, et al. **Acta Physiol Pharmacol Bulg** 1985;11(4):58–62

Perception of line orientation in the center and periphery of the visual field. Simeonova B, et al. **Acta Physiol Pharmacol Bulg** 1985;11(2):3–10

Extrapolation of horizontal motion to linear targets of different orientation. Yakimoff N. **Acta Physiol Pharmacol Bulg** 1985;11(3):31–6

Infant visual preferences: a review and new theoretical treatment. Banks MS, et al. **Adv Child Dev Behav** 1985; 19:207–46 (81 ref.)

Two modes of processing visual information: implications for assessing visual impairment. Post RB, et al.

Am J Optom Physiol Opt 1986 Feb;63(2):94–6
Motion sensitivity in central and peripheral vision. Post RB, et al. **Am J Optom Physiol Opt** 1986 Feb;63(2):104–7
Eccentricity perception in the periphery of normal observers and those with retinitis pigmentosa. Temme LA, et al. **Am J Optom Physiol Opt** 1985 Nov;62(11):736–43
Altered pain and visual sensitivity in humans: the effects of acute and chronic stress. Clark WC, et al. **Ann NY Acad Sci** 1986;467:116–29 (20 ref.)
Displacement thresholds in central and peripheral vision during tracking. Haines RF. **Aviat Space Environ Med** 1986 Jun;57(6):548–54
Visual recognition impairment follows ventromedial but not dorsolateral prefrontal lesions in monkeys. Bachevalier J, et al. **Behav Brain Res** 1986 Jun;20(3):249–61
Pineal lesion produces bilateral visual and auditory inattention in the rat. Dawson KA, et al. **Behav Brain Res** 1986 Feb;19(2):187–90
Spatial contrast and flicker sensitivity following medial thalamic or visual cortex lesions in hooded rats. Legg CR. **Behav Brain Res** 1986 Jan;19(1):41–7
Pattern-reversal visual evoked potentials in rabbits are resistant to occlusion of the carotid artery. Myslobodsky MS, et al. **Behav Brain Res** 1985 Dec;18(3):285–8
Visual analysis of body movements by neurones in the temporal cortex of the macaque monkey: a preliminary report. Perrett DI, et al. **Behav Brain Res** 1985 Aug; 16(2–3):153–70
A macaque remembers pictures briefly viewed six months earlier. Ringo JL, et al. **Behav Brain Res** 1985 Dec; 18(3):289–94
A mathematical model of the primary visual cortex and hypercolumn. Okajima K. **Biol Cybern** 1986;54(2):107–14
Neurophysiologic studies of sensory gating in schizophrenia: comparison of auditory and visual responses. Adler LE, et al. **Biol Psychiatry** 1985 Dec;20(12):1284–96
Cardiac responses to psychological tasks: impedance cardiographic studies. Harrell JP, et al. **Biol Psychol** 1985 Jun;20(4):261–83
Effects on perceptual development of visual deprivation during infancy. Lewis TL, et al. **Br J Ophthalmol** 1986 Mar;70(3):214–20
Accessory optic system and pretectum of birds: comparisons with those of other vertebrates. McKenna OC, et al. **Brain Behav Evol** 1985;26(2):91–116 (136 ref.)
Hierarchical planning disability in the drawings and constructions of a special group of severely aphasic children. Cromer RF. **Brain Cogn** 1983 Apr;2(2):144–64
The eyes have it: exposure times and saccadic movements in visual half-field experiments. Hardyck C, et al. **Brain Cogn** 1985 Oct;4(4):430–8
Effects of visual-field and matching instruction on event-related potentials and reaction time. Kok A, et al. **Brain Cogn** 1985 Oct;4(4):377–87
Asymmetry of perception in free viewing of chimeric faces. Levy J, et al. **Brain Cogn** 1983 Oct;2(4):404–19
Visual-field differences in picture–word interference. Lupker SJ, et al. **Brain Cogn** 1982 Oct;1(4):381–98
Visual problem solving in the absence of lexical semantics: evidence from dementia. Marin OS, et al. **Brain Cogn** 1983 Jul;2(3):285–311
Transfer of visual information after unilateral input to the brain. Marzi CA. **Brain Cogn** 1986 Apr;5(2):163–73
Hemispheric memory for random forms revisited. Polich JM. **Brain Cogn** 1982 Oct;1(4):360–70
Multidimensional influences of cerebral asymmetries on visual half-field asymmetries and cognitive skills. Samar VJ. **Brain Cogn** 1983 Oct;2(4):355–82
Evoked potential and visual half-field evidence for task-dependent cerebral asymmetries in congenitally deaf adults. Samar VJ. **Brain Cogn** 1983 Oct;2(4):383–403
The roles of stimulus repetition and hemispheric activation in visual half-field asymmetries. Sullivan KF, et al. **Brain Cogn** 1985 Oct;4(4):413–29
Familiarity decisions for faces presented to the left and right cerebral hemispheres. Young AW, et al. **Brain Cogn** 1985 Oct;4(4):439–50
The effects of display and report order asymmetries on lateralized word recognition. Boles DB. **Brain Lang** 1985 Sep;26(1):106–16
Differential cerebral involvement in perceiving Chinese characters: levels of processing approach. Leong CK, et al. **Brain Lang** 1985 Sep;26(1):131–45
A right hemispatial field advantage on a verbal free-vision task. Levy J, et al. **Brain Lang** 1986 Jan;27(1):24–37
Hemispheric distribution of ERP components and word naming in preschool children. Licht R, et al. **Brain Lang** 1986 Jan;27(1):101–16
The syntactic priming effect: evoked response evidence for a prelexical locus. Samar VJ, et al. **Brain Lang** 1986 Jul; 28(2):250–72
Selectivity between faces in the responses of a population of neurons in the cortex in the superior temporal sulcus of the monkey. Baylis GC, et al. **Brain Res** 1985 Sep 2; 342(1):91–102
Effects of monocular exposure to oriented lines on monkey striate cortex. Carlson M, et al. **Brain Res** 1986 Feb; 390(1):71–81
Peripheral attention versus central fixation: modulation of the visual activity of prelunate cortical cells of the rhesus monkey. Fischer B, et al. **Brain Res** 1985 Oct 14; 345(1):111–23
Visual response properties of ventral lateral geniculate nucleus cells projecting to the pretectum and superior colliculus in the cat. Hada J, et al. **Brain Res** 1986 Jan 15;363(1):165–9
The activity of neurones in the lateral hypothalamus and zona incerta of the sheep responding to the sight or approach of food is modified by learning and satiety and reflects food preference. Kendrick KM, et al. **Brain Res** 1986 Jun 11;375(2):320–8
Electrophysiological and morphological correlates in the development of visual cortical circuitry in infant kittens. Komatsu Y, et al. **Brain Res** 1985 Oct;354(2):305–9
Properties of visual cue responses in primate precentral cortex. Kwan HC, et al. **Brain Res** 1985 Sep 16;343(1):24–35
Spatial factors determine the activity of multisensory neurons in cat superior colliculus. Meredith MA, et al. **Brain Res** 1986 Feb 19;365(2):350–4
Role of the supraoptic decussation in the development of asymmetry of brain function in the chicken. Rogers LJ, et al. **Brain Res** 1986 Jul;393(1):33–9
Visual field defects in cats with neonatal or adult immunological loss of retinal ganglion cells. Spear PD, et al. **Brain Res** 1986 Mar 12;368(1):154–7
Superior colliculus lesions and flash evoked potentials from rat cortex. Barnes MI, et al. **Brain Res Bull** 1986 Feb; 16(2):225–30
Logographic reading: is the right hemisphere special? Besner D, et al. **Can J Psychol** 1986 Mar;40(1):45–53
Environmental factors associated with stair accidents by the elderly. Archea JC. **Clin Geriatr Med** 1985 Aug;1(3):555–69
Maintaining posture and avoiding tripping. Optical information for detecting and controlling orientation and locomotion. Owen DH. **Clin Geriatr Med** 1985 Aug; 1(3):581–99 (67 ref.)
Ear by visual-field interaction on a cross-modal syllable-matching task. Broks P. **Cortex** 1986 Jun; 22(2):297–304
Visual-spatial orientation, gaze direction and dichotic listening asymmetries. Hynd GW, et al. **Cortex** 1986 Jun; 22(2):313–7
Ontogenesis of learning: VI. Learned and unlearned responses to visual stimulation in the infant hooded rat. Moye TB, et al. **Dev Psychobiol** 1985 Sep;18(5):395–409
Visual event-related potentials to colored patterns and color names: attention to features and dimension. Aine CJ, et al. **Electroencephalogr Clin Neurophysiol** 1986 Sep; 64(3):228–45
The influence of visual field disorders on visual identification tasks. Zihl J, et al. **Eur Arch Psychiatry Neurol Sci** 1986; 236(1):61–4
Simple cells in cat striate cortex: responses to stationary flashing and to moving light bars. Camarda RM, et al. **Exp Brain Res** 1985;60(1):151–8
Factors influencing the temporal phase of response to bar and grating stimuli for simple cells in the cat striate cortex. Dean AF, et al. **Exp Brain Res** 1986;62(1):143–51
The nature of the visual discrimination impairment after neonatal or adult ablation of superior colliculi in rats. Heywood CA, et al. **Exp Brain Res** 1986;61(2):403–12
Visuomotor properties of neurons of the anterior suprasylvian gyrus in the awake cat. Joseph JP, et al. **Exp Brain Res** 1986;62(2):355–62
Chronic 'blindness' following lesions of nonvisual cortex in the monkey. Nakamura RK, et al. **Exp Brain Res** 1986; 63(1):173–84
Visual responses from cells in striate cortex of monkeys rendered chronically 'blind' by lesions of nonvisual cortex. Nakamura RK, et al. **Exp Brain Res** 1986;63(1):185–90
Intracortical facilitation among co-oriented, co-axially aligned simple cells in cat striate cortex. Nelson JI, et al. **Exp Brain Res** 1985;61(1):54–61
Abolition of visual cortical direction selectivity affects visual behavior in cats. Pasternak T, et al. **Exp Brain Res** 1985; 61(1):214–7
A developmental study of retinal afferents and visual responses in the cat pretectum. Schoppmann A. **Exp Brain Res** 1985;60(2):350–62
Functional and developmental analysis of a visual corticopretectal pathway in the cat: a neuroanatomical and electrophysiological study. Schoppmann A. **Exp Brain Res** 1985;60(2):363–74
Visual discrimination learning and interhemispheric transfer in the cat, as affected by 6-hydroxydopamine. Sprague JM, et al. **Exp Brain Res** 1985;61(1):43–53
Properties of end-zone inhibition of hypercomplex cells in cat striate cortex. Yamane S, et al. **Exp Brain Res** 1985; 60(1):200–3
Rana computatrix: progress report, 1984. Arbib MA. **Fed Proc** 1985 Dec;44(15):2956–8
Brain theory and cooperative computation. Arbib MA. **Hum Neurobiol** 1985;4(4):201–18 (115 ref.)
Models for sensation and perception: a selective history. Bourassa CM. **Hum Neurobiol** 1986;5(1):23–30
Eye movements in relation to loss and regaining of fusion of disjunctively moving random-dot stereograms. Erkelens CJ, et al. **Hum Neurobiol** 1985;4(3):181–8
Shifts in selective visual attention: towards the underlying neural circuitry. Koch C, et al. **Hum Neurobiol** 1985; 4(4):219–27
Central control of the sensory flow in the human visual system. Ivanitskii AM, et al. **Hum Physiol** 1984 May–Jun; 10(3):153–9
Some electrophysiological parameters of the cortical dynamics during solution of problems of choice with a double picture. Kogan AB, et al. **Hum Physiol** 1984 Sep–Oct;10(5):305–10
Neuronal responses and evoked potentials of deep brain structures during visual recognition. I. Enunciation of the problem and basic methods of its study. Kropotov YuD, et al. **Hum Physiol** 1985 Jul–Aug;11(4):239–48
Laterality differences in visual perception. Manelis NG, et al. **Hum Physiol** 1984 May–Jun;10(3):160–4
Prestimulus electroencephalogram and evoked potentials in man during recognition of a meaningful photic stimulus. Potulova LA, et al. **Hum Physiol** 1985 Jul–Aug; 11(4):249–53
Binocular rivalry during monocular observation of a homogeneous field and of stabilized images. Rozhkova GI, et al. **Hum Physiol** 1985 May–Jun;11(3):153–9
Adult age differences in visual search. Mason SE, et al. **Int J Aging Hum Dev** 1985;21(3):187–96
Lateral differences in the race effect in face recognition. Bruyer R, et al. **Int J Neurosci** 1985 Oct;28(1–2):61–72
Ocular dominance in patients with recently and remotely acquired lateralized brain lesions. Goldstein G, et al. **Int J Neurosci** 1985 Dec;28(3–4):285–90
Reversed digit repetition involves visual and verbal processes. Larrabee GJ, et al. **Int J Neurosci** 1986 Aug; 30(1–2):11–5
Slow brain potentials and the "tunnel effect". Stegagno L, et al. **Int J Neurosci** 1986 Mar;29(1–2):93–102
The perception of Necker cube reversal interacts with the Bereitschaftspotential. Elbert T, et al. **Int J Psychophysiol** 1985 Jul;3(1):5–12
Individual differences in visual event-related potentials: P300 cognitive augmenting/reducing parallels N100 sensory augmenting/reducing. Pritchard WS, et al. **Int J Psychophysiol** 1985 Jul;3(1):49–56
Focal brain lesions and intelligence: a study with a new version of Raven's Colored Matrices. Gainotti G, et al. **J Clin Exp Neuropsychol** 1986 Jan;8(1):37–50
Tectal neurons of the frog: intracellular recording and labeling with cobalt electrodes. Antal M, et al. **J Comp Neurol** 1986 Apr 8;246(2):238–53
S-neurons and not L-neurons are the source of GABAergic action in the ocellar retina. Ammermüller J, et al. **J Comp Physiol [A]** 1985 Dec;157(6):779–88
The antidromic activation of tectal neurons by electrical stimuli applied to the caudal medulla oblongata in the toad, Bufo bufo L. Satou M, et al. **J Comp Physiol [A]** 1985 Dec;157(6):739–48
Visual interneurons in the lobula complex of the fleshfly, Boettcherisca peregrina. Umeda K, et al. **J Comp Physiol [A]** 1985 Dec;157(6):831–6
Orienting attention within visual fields: how efficient is interhemispheric transfer? Hardyck C, et al. **J Exp Psychol [Hum Percept]** 1985 Oct;11(5):650–66
Hemisphere differences in the mood state-dependent effect for recognition of emotional faces. Gage DF, et al. **J Exp Psychol [Learn Mem Cogn]** 1985 Oct;11(4):752–63
Evidence for cerebellar efferents to the ventral lateral geniculate nucleus and the lateral terminal nucleus of the accessory optic system in the rabbit. A morphological study with comments on the organizational features of visuo-oculomotor–trunco–cerebellar loops. Zimny R, et al. **J Hirnforsch** 1986;27(2):159–212
Activity of dentate neurons during arm movements triggered by visual, auditory, and somesthetic stimuli in the monkey. Chapman CE, et al. **J Neurophysiol** 1986 Feb;55(2):203–26
Visual and oculomotor signals in nucleus reticularis tegmenti pontis in alert monkey. Crandall WF, et al. **J Neurophysiol** 1985 Nov;54(5):1326–45
Velocity selectivity in the cat visual system. III. Contribution of temporal factors. Duysens J, et al. **J Neurophysiol** 1985 Oct;54(4):1068–83
Velocity selectivity in the cat visual system. II. Independence from interactions between different loci. Duysens J, et al. **J Neurophysiol** 1985 Oct;54(4):1050–67
Motion selectivity in macaque visual cortex. I. Mechanisms of direction and speed selectivity in extrastriate area MT. Mikami A, et al. **J Neurophysiol** 1986 Jun;55(6):1308–27
Motion selectivity in macaque visual cortex. II. Spatiotemporal range of directional interactions in MT and V1. Mikami A, et al. **J Neurophysiol** 1986 Jun;55(6):1328–39
Motion selectivity in macaque visual cortex. III. Psychophysics and physiology of apparent motion. Newsome WT, et al. **J Neurophysiol** 1986 Jun; 55(6):1340–51
Velocity selectivity in the cat visual system. I. Responses of LGN cells to moving bar stimuli: a comparison with cortical areas 17 and 18. Orban GA, et al. **J Neurophysiol** 1985 Oct;54(4):1026–49
Pulvinar nuclei of the behaving rhesus monkey: visual responses and their modulation. Petersen SE, et al. **J Neurophysiol** 1985 Oct;54(4):867–86
Processing of color, form and disparity information in visual areas VP and V2 of ventral extrastriate cortex in the macaque monkey. Burkhalter A, et al. **J Neurosci** 1986 Aug;6(8):2327–51
Neurophysiological evaluation of the differential response model for orientation and spatial-frequency discrimination. Bradley A, et al. **J Opt Soc Am [A]** 1985 Sep;2(9):1607–10
Visual discrimination of target displacement remains after damage to the striate cortex in humans. Blythe IM, et al.

Nature 1986 Apr 17-23;320(6063):619-21
Generation of end-inhibition in the visual cortex via interlaminar connections. Bolz J, et al. Nature 1986 Mar 27-Apr 2;320(6060):362-5
Orientation-specific cortical responses develop in early infancy. Braddick OJ, et al. Nature 1986 Apr 17-23; 320(6063):617-9
Visual cortex. What layer 6 tells layer 4 [news] LeVay S. Nature 1986 Mar 27-Apr 2;320(6060):310-1
Evidence for the existence and development of visual inhibition in humans. Morrone MC, et al. Nature 1986 May 15-21;321(6067):235-7
A comparison of inhibition in orientation and spatial frequency selectivity of cat visual cortex. Ramoa AS, et al. Nature 1986 May 15-21;321(6067):237-9
Enhanced detection in the aperture of focal attention during simple discrimination tasks. Sagi D, et al. Nature 1986 Jun 12-18;321(6071):693-5
Two visual systems in mental imagery [letter] Botez MI, et al. Neurology 1986 May;36(5):733-4
Effects of lithium on visual perception in manic-depressive patients without acute symptomatology. Kropf D, et al. Neuropsychobiology 1986;15(1):34-42
The expression and perception of facial emotion in brain-damaged patients. Borod JC, et al. Neuropsychologia 1986;24(2):169-80
CBF gradient changes elicited by visual stimulation and visual memory tasks. Deutsch G, et al. Neuropsychologia 1986;24(2):283-7
Sex differences in the lateralization of language discrimination vs language production. Healey JM, et al. Neuropsychologia 1985;23(6):777-89
Interhemispheric collaboration in response to simultaneous bilateral input. Liederman J, et al. Neuropsychologia 1985; 23(5):673-83
Hemispheric asymmetries in phonological processing. Lukatela G, et al. Neuropsychologia 1986;24(3):341-50
Afferent and efferent models of visual perceptual asymmetries: theoretical and empirical implications. Moscovitch M. Neuropsychologia 1986;24(1):91-114 (164 ref.)
Contact lens design for lateralizing visual input. Sivak B, et al. Neuropsychologia 1985;23(6):801-3
Signal detection analysis of residual vision in a field defect due to a post-geniculate lesion. Stoerig P, et al. Neuropsychologia 1985;23(5):589-99
Organization of receptive fields of tonic and phasic neurons of the pulvinar in the cat. Arutyunyan-Kozak BA, et al. Neurosci Behav Physiol 1985 Jul-Aug;15(4):290-5
Responses of neurons of primary visual cortex of awake unrestrained rats to visual stimuli. Girman SV. Neurosci Behav Physiol 1985 Sep-Oct;15(5):379-86
Evoked potentials from the posterior associative cerebral cortex among psychopathic individuals in response to human facial images. Zelenkova TP. Neurosci Behav Physiol 1986 Jan-Feb;16(1):54-8
Visual and auditory event-related potentials elicited by linguistic and non-linguistic incongruities. Besson M, et al. Neurosci Lett 1986 Jan 16;63(2):109-14
The velocity function of ipsilateral visual units in the frog optic tectum: comparison with retinal ganglion cells. Gaillard F, et al. Neurosci Lett 1986 Mar 28;65(1):99-103
Length summation of complex cells in cat striate cortex: a reappraisal of the "special/standard" classification. Hammond P, et al. Neuroscience 1985 Jul;15(3):639-49
The structural and functional characteristics of striate cortical neurons that innervate the superior colliculus and lateral posterior nucleus in hamster. Klein BG, et al. Neuroscience 1986;17(1):57-78
The role of GABAergic inhibition in the response properties of neurones in cat visual area 18. Vidyasagar TR, et al. Neuroscience 1986;17(1):49-55
Texture discrimination does not occur at the cyclopean retina. Nothdurft HC. Perception 1985;14(5):527-37
Temporal integration and contrast sensitivity in foveal and peripheral vision. Rovamo J, et al. Perception 1984; 13(6):665-74
Right hemisphere superiority in the perception of different kinds of non-verbal material. Sobotka S, et al. Physiol Bohemoslov 1985;34 Suppl:149-52
Immunoreactivity for a calmodulin-dependent protein kinase is selectively increased in macaque striate cortex after monocular deprivation. Hendry SH, et al. Proc Natl Acad Sci USA 1986 Mar;83(5):1536-41
The primate retina contains two types of ganglion cells, with high and low contrast sensitivity. Kaplan E, et al. Proc Natl Acad Sci USA 1986 Apr;83(8):2755-7
Analog "neuronal" networks in early vision.Koch C, et al. Proc Natl Acad Sci USA 1986 Jun;83(12):4263-7
The frontal eye field in mammals: a comment on Crowne. Markowitsch HJ. Psychol Bull 1984 Mar;95(2):327-31
Visual identification following inferotemporal ablation in the monkey. Gaffan D, et al. Q J Exp Psychol [B] 1986 Feb; 38(1):5-30
Single and concurrent discrimination learning by monkeys after lesions of inferotemporal cortex. Gaffan EA, et al. Q J Exp Psychol [B] 1986 Feb;38(1):31-51
Effects of collicular lesions in the hamster during visual discrimination. An analysis from computer-video actograms. Thinus-Blanc C, et al. Q J Exp Psychol [B] 1985 Aug;37(3):213-33
Mental imagery and the visual system. Finke RA. Sci Am 1986 Mar;254(3):88-95
Multiple sensitive periods in the development of the primate visual system. Harwerth RS, et al. Science 1986 Apr 11; 232(4747):235-8
The perception of polarised light. Wehner R. Symp Soc Exp Biol 1983;36:331-69 (141 ref.)
Cone-rod interaction over time and space. Buck SL. Vision Res 1985;25(7):907-16
Role of eye movements in developmental processes of orientation selectivity in the kitten visual cortex. Gary-Bobo E, et al. Vision Res 1986;26(4):557-67
Background adaptation in human infants. Hansen RM, et al. Vision Res 1986;26(5):771-9
Contrast detection and detection of contrast modulation for noise gratings. Jamar JH, et al. Vision Res 1985; 25(4):511-21
Optic flow. Koenderink JJ. Vision Res 1986;26(1):161-79
Spatial resolution of the Galago. Langston A, et al. Vision Res 1986;26(5):791-6
The development of young infants' ability to detect stimuli in the nasal visual field. Lewis TL, et al. Vision Res 1985; 25(7):943-50
Visual persistence from brief letters and pictures. Long GM. Vision Res 1985;25(7):887-92
Visual motion ambiguity. Longuet-Higgins HC. Vision Res 1986;26(1):181-3
Perceived position and saccadic eye movements. Mack A, et al. Vision Res 1985;25(4):501-5
The importance of contrast for the activity of single neurons, the VEP and perception. Shapley R. Vision Res 1986; 26(1):45-61
Binocular competitive interactions and recovery of visual acuity in long-term monocularly deprived cats. Smith DC, et al. Vision Res 1985;25(12):1783-94
The distribution of human motion detector properties in the monocular visual field. van de Grind WA, et al. Vision Res 1986;26(5):797-810
The Stiles-Crawford effect in the eye of the blowfly, Calliphora erythrocephala. van Hateren JH. Vision Res 1985;25(9):1305-15
The effect of practice on the oblique effect in line orientation judgments. Vogels R, et al. Vision Res 1985;25(11):1679-87
The influence of the background on the generation of inhibition. Vrolijk PC, et al. Vision Res 1985;25(10):1423-9
[On specializations in the visual system] Diao YC. Sheng Li Ko Hsueh Chin Chan 1986 Jan;17(1):39-42 (45 ref.) (Chi)
[An exemplary scientific debate: Mariotte, Pecquet and Perrault in search of the site of visual perception] Grmek MD. Pubbl Sta Zool Napoli [II] 1985;7(2):217-55 (Eng. Abstr.) (Fre)
[EEG mapping during a visuo-spatial task. Averaged maps and group statistics] Etévenon P, et al. Rev Electroencephalogr Neurophysiol Clin 1985 Sep; 15(2):139-47 (Eng. Abstr.) (Fre)
[Sequential spatial maps of visual potentials evoked by checkerboard-pattern reversal: effect of the retinal field stimulated on response topography] Mauguière F, et al. Rev Electroencephalogr Neurophysiol Clin 1985 Sep; 15(2):129-37 (Eng. Abstr.) (Fre)
[Effects of noise letters upon selective identification of letters] Watanabe I. Shinrigaku Kenkyu 1985 Aug;56(3):125-31 (Eng. Abstr.) (Jpn)
[Visual information processing from the retina to the prefrontal cortex] Watanabe M. Shinrigaku Kenkyu 1986 Feb;56(6):365-78 (108 ref.) (Eng. Abstr.) (Jpn)
[Activation of processes of perception and visual memory in teaching pathological anatomy] Evtushenko NV, et al. Arkh Patol 1985;47(6):68-71 (Eng. Abstr.) (Rus)
[Spatial-frequency mechanisms of light perception] Bertulis AV, et al. Fiziol Cheloveka 1985 May-Jun;11(3):355-9 (Rus)
[Psychophysical characteristics of stereo perception of objects arbitrarily arranged in space] Krol' VM, et al. Fiziol Cheloveka 1985 May-Jun;11(3):525-8 (Rus)
[Responses of neurons and evoked potentials in subcortical structures of the human brain during visual recognition. II. Effect of stimulus relevance on evoked responses of neurons] Kropotov IuD, et al. Fiziol Cheloveka 1986 Jan-Feb;12(1):58-64 (Rus)
[Reactions of neurons and evoked potentials in subcortical structures of the brain during visual discrimination. I. Defining the problem and principal methods of solving it] Kropotov IuD, et al. Fiziol Cheloveka 1985 Jul-Aug; 11(4):563-75 (Rus)
[Prestimulus EEG and evoked potentials in man during discrimination of a meaningful photic stimulus] Potulova LA, et al. Fiziol Cheloveka 1985 Jul-Aug;11(4):580-5 (Rus)
[Thermographic indices of the responses of the brain to visual stimuli] Shevelev IA, et al. Fiziol Cheloveka 1985 Jul-Aug; 11(4):538-43 (Rus)
[Correlation of features of Rorschach card interpretation with the character of bioelectrical activity of the brain] Zhirmunskaia EA, et al. Fiziol Cheloveka 1985 Sep-Oct; 11(5):750-4 (Rus)
[Neuronal reactions of the hippocampus of the frog in response to visual stimulation] Aleinikova TV. Fiziol Zh SSSR 1985 Sep;71(9):1072-7 (Eng. Abstr.) (Rus)
[Response of active microvascular segments in the pial artery system to photostimulation of the eye in the rabbit] Baramidze DG, et al. Fiziol Zh SSSR 1986 Feb;72(2):193-7 (Eng. Abstr.) (Rus)
[Relation between the spatial characteristics of the receptive fields of the superior colliculi of the cat and the rate of movement of a photic stimulus] Kiseleva NB, et al. Fiziol Zh SSSR 1985 Dec;71(12):1540-5 (Eng. Abstr.) (Rus)
[Immobilization of the eyes in neurophysiologic studies of the visual system of the cat] Shatinskas RV, et al. Fiziol Zh SSSR 1985 Sep;71(9):1170-2 (Rus)
[Activation of the mechanism of orientation selectivity of neurons of the visual cortex of the cat by a moving noise field] Alekseenko SV, et al. Neirofiziologiia 1985; 17(5):596-601 (Eng. Abstr.) (Rus)
[Responses of neurons of dorsal hippocampus field CA1 to visual stimulation in the cat] Arutiunian-Kozak BA, et al. Neirofiziologiia 1985;17(6):779-86 (Eng. Abstr.) (Rus)
[Principle of uncertainty in vision] Glezer VD, et al. Neirofiziologiia 1986;18(3):307-12 (Eng. Abstr.) (Rus)
[Comparative characteristics of response of neurons of the caudate nucleus to different sensory stimuli in awake cats] Kolomiets BP. Neirofiziologiia 1985;17(4):564-7 (Eng. Abstr.) (Rus)
[Participation of the visual projection and association cortical inputs in the formation of responses of neostriatal responses to visual stimuli in the alert cat] Kolomiets BP. Neirofiziologiia 1985;17(5):619-27 (Eng. Abstr.) (Rus)
[Differences in the properties of 2 groups of orientation detectors of the visual cortex in the cat] Lazareva NA, et al. Neirofiziologiia 1986;18(1):85-92 (Eng. Abstr.) (Rus)
[Parameters of photic stimulation and characteristics of thermoreactions in the cerebral cortex of the white rat] Shevelev IA, et al. Neirofiziologiia 1986;18(3):332-40 (Eng. Abstr.) (Rus)
[Interrelation among properties of visual cortex neurons in the cat] Shevelev IA, et al. Neirofiziologiia 1985; 17(5):587-96 (Eng. Abstr.) (Rus)
[Features of responses of the neurons of the caudate nucleus to various localizations of a photic stimulus in the visual field of the alert cat] Zelenskaia VS. Neirofiziologiia 1986; 18(2):241-50 (Eng. Abstr.) (Rus)
[Responses of neurons of the caudate nucleus of the cat during activation of attention by visual objects] Zelenskaia VS. Neirofiziologiia 1986;18(3):403-6 (Eng. Abstr.) (Rus)
[Functional characteristics of neurons of the visual centers of the brain of squirrels] Polkoshnikov EV, et al. Usp Fiziol Nauk 1985 Oct-Dec;16(4):68-83 (116 ref.) (Rus)
[Study of the visual fields by comparing visual perception] Khachaturova NK. Voen Med Zh 1985 Aug;(8):60-1 (Rus)
[Changes in the spectral power of the EEG in alcoholics during presentation of stimuli of different semantic modality] Bobrov AE, et al. Zh Nevropatol Psikhiatr 1985; 85(9):1389-93 (Eng. Abstr.) (Rus)
[Functional asymmetry of the cerebral hemispheres during visual perception in schizophrenics with productive and negative symptoms] Efremov VS. Zh Nevropatol Psikhiatr 1986;86(1):97-102 (Eng. Abstr.) (Rus)
[Interhemispheric interaction during direct and reverse contralateral masking of visual stimuli in man] Aftanas LI. Zh Vyssh Nerv Deiat 1986 Mar-Apr;36(2):385-7 (Rus)
[Reactivity of neurons of the orbito-frontal cortex of the cat during exposure to the scent or sight of food] Belenkov NIu, et al. Zh Vyssh Nerv Deiat 1985 Jul-Aug;35(4):674-7 (Eng. Abstr.) (Rus)
[Interhemispheric transmission of visual information: behavioral and electrophysiologic aspects] Fedan VA, et al. Zh Vyssh Nerv Deiat 1985 Jul-Aug;35(4):678-86 (Eng. Abstr.) (Rus)
[Characteristics of the receptive fields of neurons of the posterior temporal area of the cortex of the cat] Manasian KA. Zh Vyssh Nerv Deiat 1985 Nov-Dec;35(6):1118-24 (Eng. Abstr.) (Rus)
[Effect of genotype on evoked potentials of the left and right hemispheres during perception of visual stimuli] Mariutina TM, et al. Zh Vyssh Nerv Deiat 1985 Nov-Dec; 35(6):1039-44 (Eng. Abstr.) (Rus)
[Parameters of the prestimulation EEG during operator recognition of a meaningful photic stimulus] Potulova LA, et al. Zh Vyssh Nerv Deiat 1986 Mar-Apr;36(2):302-8 (Eng. Abstr.) (Rus)
[Correlation of cutaneo-galvanic and voluntary reactions during recognition of emotional facial expressions] Sidorova OA, et al. Zh Vyssh Nerv Deiat 1986 Mar-Apr; 36(2):309-18 (Eng. Abstr.) (Rus)

VITAL CAPACITY

Spirometric pulmonary function tests before and after surgical correction of idiopathic scoliosis in adolescents. Daruwalla JS, et al. Ann Acad Med Singapore 1985 Jul; 14(3):475-8
133Xe radiospirometry in prediction of ventilatory function and vital capacity after pneumonectomy in patients with an endobronchial tumour. Veneskoski T, et al. Ann Chir Gynaecol 1985;74(6):256-60
Pulmonary capacities of different groups of sportsmen in India. Ghosh AK, et al. Br J Sports Med 1985 Dec; 19(4):232-4

Flow–volume curves in children in health and disease. Bellon G, et al. **Bull Eur Physiopathol Respir** 1982 Sep–Oct; 18(5):705–15

Reevaluation of the radiographic method for measurement of total lung capacity. Rodenstein DO, et al. **Bull Eur Physiopathol Respir** 1985 Nov–Dec;21(6):521–5

Inspiratory and expiratory vital capacity [letter] Reig RP, et al. **Chest** 1985 Nov;88(5):797–8

The vital pulmonary capacity in men of three races and its relation to some anthropometric features. Miasikiewicz C, et al. **Folia Morphol (Warsz)** 1985;44(1):60–4

Muscular weakness and respiratory function [letter] West JB. **N Engl J Med** 1986 Sep 4;315(10):649

[Vital capacity and maximal expiratory volume in 1 second: current values in 1280 subjects examined for physical and psychological fitness in the selection of officers and non–commissioned officers and theoretical reference values] Meineri G, et al. **Riv Med Aeronaut Spaz** 1983 Jan–Dec;48(1–4):93–103 (Eng. Abstr.) (Ita)

[Effect of obesity on the ventilatory capacity of the respiratory system. II. Reference spirometry values of VC and FEV1 for overweight males] Kolarzyk E, et al. **Med Pr** 1985;36(3):184–90 (Eng. Abstr.) (Pol)

VITAL CAPACITY, TIMED see **FORCED EXPIRATORY VOLUME**

VITAL STATISTICS

see related
BIOMETRY
POPULATION GROWTH
RECORDS
SEX RATIO

Underreporting of infant deaths: then and now [editorial] Kleinman JC. **Am J Public Health** 1986 Apr;76(4):365–6

A computer algorithm for the assessment of age reporting bias in censal population estimates using Myers' 'blended' method. Ayiomamitis A. **Comput Methods Programs Biomed** 1985 Nov;21(2):107–11

In what sense is rheumatoid arthritis the principal cause of death? A study of the National Statistics Office's way of reasoning based on 1224 death certificates. Ingemar B, et al. **J Chronic Dis** 1985;38(12):963–72

[Births, fertility, rhythms and lunar cycle. A statistical study of 5,927,978 births] Guillon P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(3):265–71 (Eng. Abstr.) (Fre)

[Segregation, discrimination. Discriminant analysis as told to physicians' children] Jeanty C. **Rev Med Brux** 1985 Oct; 6(8):557–65 (Eng. Abstr.) (Fre)

[Trends in mean age at death by major causes in Japan standardized in terms of the age structure of the population] Hamajima N, et al. **Nippon Eiseigaku Zasshi** 1985 Aug; 40(3):679–84 (Eng. Abstr.) (Jpn)

[Demographic processes and public health] Bednyi MS. **Sov Med** 1985;(6):5–8 (Rus)

VITALISM

The great biologic problem: vitalism, materialism, and the philosophy of organism. Haller JS Jr. **NY State J Med** 1986 Feb;86(2):81–8

[Instrumental angiological findings on the skin of a pranotherapist and of volunteer subjects during pranotherapy] Capaldi E. **Minerva Med** 1986 Apr 7; 77(14–15):589–91 (Ita)

[Histological picture of rabbit hepatic parenchyma following praeotherapy prepared in standard hematoxylin–eosin staining] Donna A. **Minerva Med** 1986 Apr 7; 77(14–15):579–88 (Ita)

[Effects of pranic exposure on Tenebrio molitor larvae] Donna A. **Minerva Med** 1986 Apr 7;77(14–15):600–1 (Ita)

[The hand, an amulet that protects and heals. A study over time] Oliaro T. **Minerva Med** 1986 Apr 7;77(14–15):571–5 (Ita)

[Pranotherapy. Reality or fantasy] Poletti T. **Minerva Med** 1986 Apr 7;77(14–15):567 (Ita)

[Histological examination of tissue dehydrated by pranotherapy] Rabino Massa E, et al. **Minerva Med** 1986 Apr 7;77(14–15):576–8 (Ita)

[Criminal law and pranotherappy] Semeraro G, et al. **Minerva Med** 1986 Apr 7;77(14–15):568–70 (Ita)

[Pranotherapy and the telethermographic findings] Trapani P. **Minerva Med** 1986 Apr 7;77(14–15):592–9 (Ita)

VITALLIUM see under **CHROMIUM ALLOYS**

VITAMIN A

Relationship of dietary vitamin A and ascorbic acid intake to the risk for cancers of the lung, bladder, and prostate in Hawaii. Kolonel LN, et al. **Natl Cancer Inst Monogr** 1985 Dec;69:137–42

Vitamin A and lung cancer: a perspective. Palgi A. **Nutr Cancer** 1984;6(2):105–20 (34 ref.)

Influence of vitamin A on cervical dysplasia and carcinoma in situ. Wylie–Rosett JA, et al. **Nutr Cancer** 1984;6(1):49–57

ADMINISTRATION & DOSAGE

Effect of moderate vitamin A supplementation and lack of dietary vitamin A on the development of mammary tumors in female rats treated with low carcinogenic dose levels of 7,12–dimethylbenz(a)anthracene. Zile MH, et al. **Cancer Res** 1986 Jul;46(7):3495–503

Hypercarotenaemia and vitamin A overdosage from proprietary baby food [letter] Stirling HF, et al. **Lancet** 1986 May 10;1(8489):1089

Indicator foods for vitamin A assessment. Pickle LW, et al. **Nutr Cancer** 1985;7(1–2):3–23

[Vitamin A and lung cancer. Should smokers eat large quantities of vegetables?] Osler M. **Ugeskr Laeger** 1986 May 12;148(20):1225–9 (Eng. Abstr.) (Dan)

[Multidisciplinary treatment of the head and neck cancer—FAR therapy and its modification and application] Komiyama S, et al. **Gan To Kagaku Ryoho** 1986 Apr;13(4 Pt 2):1731–6 (Eng. Abstr.) (Jpn)

ADVERSE EFFECTS

Observations of vitamin A toxicity in three patients with renal failure receiving parenteral alimentation. Gleghorn EE, et al. **Am J Clin Nutr** 1986 Jul;44(1):107–12

A short report of untoward reactions following administration of D.P.T. vaccine and vitamin A in an under five clinic. Ray SK, et al. **Indian J Public Health** 1984 Oct–Dec;28(4):213–6

Vitamins acting as hormones during craniofacial morphogenesis? [editorial] Slavkin HC. **J Craniofac Genet Dev Biol** 1986;6(2):95–7

[Toxic hepatitis induced by vitamin A] Yamamoto M. **Nippon Rinsho** 1985 Jun;43(6):1187–91 (Jpn)

[Vitamin A as poison for the cirrhotic liver (editorial)] Arias Vallejo E. **Rev Esp Enferm Apar Dig** 1985 Dec;68(6):523 (Spa)

ANALOGS & DERIVATIVES

Effects of B–retinyl acetate on human breast epithelium in explant culture. Strum JM, et al. **Am J Anat** 1986 Jan; 175(1):35–48

Metabolism of all–trans–[11–3H]retinyl acetate in the testes of young rats. Chaudhary LR, et al. **Ann Nutr Metab** 1986; 30(1):1–8

Psoriasis and vitamin A. Plasma transport and skin content of retinol, dehydroretinol and carotenoids in adult patients versus healthy controls. Roliman O, et al. **Arch Dermatol Res** 1985;278(1):17–24

Fibronectin and retinyl acetate effects on attachment and spreading of normal and rheumatoid human synovial cells. Desmoulins D, et al. **Cell Biol Int Rep** 1986 Jul;10(7):501–8

Determination of retinyl esters and retinol in serum or plasma by normal–phase liquid chromatography: method and applications. Bankson DD, et al. **Clin Chem** 1986 Jan;32(1 Pt 1):35–40

Competition between retinol and 3,4–didehydroretinol for esterification in crude pigment epithelial cell fractions. Tsin AT. **Experientia** 1986 Aug 15;42(8):952–4

Effect of vitamin A acetate on selected morphogenetic systems of the chick embryo. Kosař K. **Folia Morphol (Praha)** 1986;34(1):59–68

Biologicals for cancer treatment: growth and differentiating agents. Moore MA. **Hosp Pract [Off]** 1986 Feb 15; 21(2):69–80

High dietary vitamin A (retinyl palmitate) and cellular immune functions in mice. Moriguchi S, et al. **Immunology** 1985 Sep;56(1):169–77

The effect of retinol deficiency on the metabolism of all–trans–retinyl acetate in rat testes. Chaudhary LR, et al. **Int J Vitam Nutr Res** 1985;55(4):383–90

Evidence for two subcellular pools and different kinetic behaviour of retinyl palmitate in rat liver. Periquet B, et al. **Int J Vitam Nutr Res** 1985;55(3):245–51

Transport of esterified retinol in fasting human blood. Schindler R, et al. **Int J Vitam Nutr Res** 1986;56(1):21–7

Retinyl ester synthesis by the isolated perfused–ventilated neonatal rabbit lung. Zachman RD. **Int J Vitam Nutr Res** 1985;55(4):371–5

Absence of isomerization of retinyl palmitate, retinol, and retinal in chlorinated and nonchlorinated solvents under gold light. Landers GM, et al. **J Assoc Off Anal Chem** 1986 Jan–Feb;69(1):50–5

Separation of retinyl esters by non–aqueous reversed–phase high–performance liquid chromatography. Furr HC, et al. **J Chromatogr** 1986 May 28;378(1):45–53

Comparison of the effects of vitamin A on limb development and regeneration in the axolotl, Ambystoma mexicanum. Scadding SR, et al. **J Embryol Exp Morphol** 1986 Feb; 91:19–34

Comparison of the effects of vitamin A on limb development and regeneration in Xenopus laevis tadpoles. Scadding SR, et al. **J Embryol Exp Morphol** 1986 Feb;91:35–53

Enzymatic esterification of exogenous retinol and 3,4–didehydroretinol in the retinal pigment epithelium. Tsin AT. **J Exp Zool** 1986 Jun;238(3):311–7

Biosynthesis of 3–dehydroretinol (vitamin A2) from all–trans–retinol (vitamin A1) in human epidermis. Törmä H, et al. **J Invest Dermatol** 1985 Dec;85(6):498–500

Influence of dietary retinyl acetate on normal rat mammary gland development and on the enhancement of 7,12–dimethylbenz[a]anthracene–induced rat mammary tumorigenesis by high levels of dietary fat. Aylsworth CF, et al. **JNCI** 1986 Feb;76(2):339–45

IRBP and retinyl ester in the rd mutant retina. Carter–Dawson L, et al. **Prog Clin Biol Res** 1985;190:241–9

Biochemical and ultrastructural studies on vitamin A induced proximalization of limb regeneration in axolotl. Sharma KK, et al. **Prog Clin Biol Res** 1986;217A:105–8

Teratogen update: vitamin A congeners. Rosa FW, et al. **Teratology** 1986 Jun;33(3):355–64

Ultrastructure of tumor cell interaction with alveolar macrophages stimulated by vitamin A. Kishino Y, et al. **Virchows Arch [Cell Pathol]** 1985;50(1):81–9

[Fatal fulminant hepatitis probably due to Plethoryl (letter)] Atttali P, et al. **Gastroenterol Clin Biol** 1986 Jan;10(1):92 (Fre)

[Uptake and distribution of 14C–retinyl acetate in organs and sensory tissue (inner ear) of the guinea pig] Biesalski HK, et al. **Z Ernahrungswiss** 1985 Sep;24(3):187–96 (Eng. Abstr.) (Ger)

[The formation of cis–isomers of all trans–vitamin A acetate during the alkylation step for determination of vitamin A in feeds] Steuerle H. **Z Lebensm Unters Forsch** 1985 Nov; 181(5):400–3 (Eng. Abstr.) (Ger)

ANALYSIS

Determination of vitamin A in animal feedingstuffs by high–performance liquid chromatography. Analytical Methods Committee. **Analyst** 1985 Aug;110(8):1019–26

Linking low dispersion liquid chromatography with diode–array detection for the sensitive and selective determination of vitamins A, D, and E. Mulholland M. **Analyst** 1986 Jun;111(6):601–4

Amniotic fluid retinol concentrations in late pregnancy. Koskinen T, et al. **Biol Neonate** 1986;49(2):81–4

Vitamin A in skin and serum—studies of acne vulgaris, atopic dermatitis, ichthyosis vulgaris and lichen planus. Rollman O, et al. **Br J Dermatol** 1985 Oct;113(4):405–13

Perisinusoidal fat–storing cells are the main vitamin A storage sites in rat liver. Hendriks HF, et al. **Exp Cell Res** 1985 Sep;160(1):138–49

Retinol secretion by the lacrimal gland. Ubels JL, et al. **Invest Ophthalmol Vis Sci** 1986 Aug;27(8):1261–8

Vitamin A activity of selected fruits. Johnson CD, et al. **J Am Diet Assoc** 1985 Dec;85(12):1627–9

Disposable cartridge extraction of retinol and alpha–tocopherol from feedstuffs. Bourgeois CF, et al. **J Assoc Off Anal Chem** 1985 Nov–Dec;68(6):1121–5

Absence of isomerization of retinyl palmitate, retinol, and retinal in chlorinated and nonchlorinated solvents under gold light. Landers GM, et al. **J Assoc Off Anal Chem** 1986 Jan–Feb;69(1):50–5

Separation of retinyl esters by non–aqueous reversed–phase high–performance liquid chromatography. Furr HC, et al. **J Chromatogr** 1986 May 28;378(1):45–53

Comparison of riboflavin, vitamin A, and zinc status of Chinese populations at high and low risk for esophageal cancer. Thurnham DI, et al. **Nutr Cancer** 1985;7(3):131–43

Effect of pelleting on vitamin A assay levels of poultry feed. Jones FT. **Poult Sci** 1986 Jul;65(7):1421–2

Vitamin A and ciliated cells. I. Respiratory epithelia. Biesalski HK, et al. **Z Ernahrungswiss** 1986 Jun;25(2):114–22

Effect of irradiation and storage time on the content of thiamine, riboflavin, and vitamin A in feeds based on cereals. Haniš T, et al. **Z Versuchstierkd** 1985; 27(3–4):169–73

[Determination of vitamin A in food using high–pressure liquid chromatography. Results of a collaborative study of the Vitamin Analysis Working Group following The LMBG Paragraph 35] Bognar A. **Z Lebensm Unters Forsch** 1986 Jun;182(6):492–7 (Eng. Abstr.) (Ger)

[High resolution liquid chromatography (HPLC) analysis of the vitamin A and beta–carotene content of heat–treated precooked food] Ciappellano S, et al. **Acta Vitaminol Enzymol** 1985;7(3–4):223–8 (Eng. Abstr.) (Ita)

BLOOD

Vitamin A level in patients with chronic periodontal disease. Preliminary notice. Cerná H, et al. **Acta Univ Palacki Olomuc Fac Med** 1984;107:163–5

Alterations in vitamin A and thyroid hormone status in anorexia nervosa and associated disorders. Curran–Celentano J, et al. **Am J Clin Nutr** 1985 Dec; 42(6):1183–91

The relationship of serum cholesterol and vitamin A in hospitalized patients with and without cancer. Flaim E, et al. **Am J Clin Nutr** 1986 Sep;44(3):370–8

Vitamin A status of preterm infants: the influence of feeding and vitamin supplements. Woodruff CW, et al. **Am J Clin Nutr** 1986 Sep;44(3):384–9

Serum retinol and retinol–binding protein levels do not predict subsequent lung cancer. Friedman GD, et al. **Am J Epidemiol** 1986 May;123(5):781–9

Vitamin measurements in pooled blood samples. Wahrendorf J, et al. **Am J Epidemiol** 1986 Mar;123(3):544–50

Interrelationships among liposoluble vitamins in ruminants. Hidiroglou M, et al. **Am J Vet Res** 1986 Aug;47(8):1767–71

Vitamin A and vitamin E in umbilical artery and vein. Koskinen T, et al. **Ann Chir Gynaecol [Suppl]** 1985;197:51–3

Serum vitamin A and E levels in patients with lichen sclerosus and carcinoma of the vulva—effect of oral etretinate treatment. Romppanen U, et al. **Ann Chir Gynaecol [Suppl]** 1985;197:27–9

Effect of different diets on the ratio of plasma lipids/vitamin A and E in female Sprague–Dawley rats with MNU–induced mammary carcinomas. Aksoy M, et al. **Arch Geschwulstforsch** 1985;55(6):443–50

Serum levels of vitamins A and E in women with ovarian cancer. Heinonen PK, et al. **Arch Gynecol** 1985; 237(1):37–40

The effect of beta carotene supplementation on the beta carotene and vitamin A levels of blood plasma and some fertility indices of dairy cows. Iwańska S, et al. **Arch Tierernahr** 1985 Aug;35(8):563–70

Cancer of the cervix uteri and vitamin A. Harris RW, et al. **Br J Cancer** 1986 May;53(5):653–9

The effect of vitamin A supplementation on serum retinol and retinol binding protein levels. Wald NJ, et al. **Cancer Lett** 1985 Nov;29(2):203–13

Determination of retinyl esters and retinol in serum or plasma by normal–phase liquid chromatography: method and applications. Bankson DD, et al. **Clin Chem** 1986 Jan;32(1 Pt 1):35–40

Evaluation of a direct fluorometric method for determination of serum retinol. Driskell WJ, et al. **Clin Chem** 1986 May; 32(5):867–9

Retinol, alpha–tocopherol, lycopene, and alpha– and beta–carotene simultaneously determined in plasma by isocratic liquid chromatography. Milne DB, et al. **Clin Chem** 1986 May;32(5):874–6

Significance of vitamin A and retinol binding protein serum levels after burn injury. Cynober L, et al. **Clin Chim Acta** 1985 Jun 14;148(3):247–53

Plasma vitamin A analysis by liquid chromatography: probucol interference. Shephard GS, et al. **Clin Chim Acta** 1985 Dec 31;153(3):249–52

Comparative investigations on vitamin A level of plasma in some rheumatic diseases. Mézes M, et al. **Clin Rheumatol** 1986 Jun;5(2):221–4

Vitamin A status of pregnant and lactating women as assessed by serum levels in Machakos area, Kenya. Kusin JA, et al. **East Afr Med J** 1985 Jul;62(7):476–9

Vitamin A status and bladder cancer. Tyler HA, et al. **Eur J Surg Oncol** 1986 Mar;12(1):35–41

Pathogenesis of corneal lesions in measles. Bhaskaram P, et al. **Hum Nutr Clin Nutr** 1986 May;40(3):197–204

Investigation of vitamin A nutrition in pregnant British Asians and their infants. Howells DW, et al. **Hum Nutr Clin Nutr** 1986 Jan;40(1):43–50

Gastric by–pass surgery in morbidly obese patients markedly decreases serum levels of vitamins A and C and iron in the peri–operative period. Nanji AA, et al. **Int J Obes** 1985; 9(3):177–9

Comparison of blood levels of vitamin A, beta–carotene and vitamin E in abruptio placentae with normal pregnancy. Sharma SC, et al. **Int J Vitam Nutr Res** 1986;56(1):3–9

Carotene and retinol levels in the diagnosis of hypothyroidism. Mandal SK, et al. **J Assoc Physicians India** 1985 Oct;33(10):654–5

Simultaneous measurement of retinol and alpha–tocopherol in human serum by high–performance liquid chromatography with ultraviolet detection. Cuesta Sanz D, et al. **J Chromatogr** 1986 Jul 11;380(1):140–4

Determination of vitamins A and E in serum and plasma using a simplified clarification method and high–performance liquid chromatography. Nierenberg DW, et al. **J Chromatogr** 1985 Dec 13;345(2):275–84

Oral isotretinoin (13–cis–retinoic acid) therapy in severe acne: drug and vitamin A concentrations in serum and skin. Rollman O, et al. **J Invest Dermatol** 1986 Apr;86(4):384–9

Serum vitamin A and carotene levels in Thai cancer patients progress report. Skulchan V, et al. **J Med Assoc Thai** 1986 May;69(5):257–62

Placental transport of retinol in ewes fed high intakes of vitamin A. Donoghue S, et al. **J Nutr** 1985 Dec; 115(12):1562–71

Intestinal retinol esterification and serum retinol in children with cystic fibrosis. Rasmussen M, et al. **J Pediatr Gastroenterol Nutr** 1986 May–Jun;5(3):397–403

Determination of plasma retinol by high performance liquid chromatography, and its significance in digestive diseases. Segawa K, et al. **Jpn J Med** 1986 Feb;25(1):20–4

Distribution of vitamins A and E in blood and liver of rats depleted of vitamin A or vitamin E. Omaye ST, et al. **Lipids** 1986 Jul;21(7):465–9

An HPLC method for the simultaneous determination of retinol and alpha–tocopherol in plasma or serum. Catignani GL. **Methods Enzymol** 1986;123:215–9

Plasma concentrations of progesterone, estrogens, vitamin A and beta–carotene in cows retaining fetal membranes. Inaba T, et al. **Nippon Juigaku Zasshi** 1986 Jun;48(3):505–8

Low plasma vitamin A levels in preterm neonates with bronchopulmonary dysplasia. **Nutr Rev** 1986 Jun; 44(6):202–4

Vitamin A transport in plasma of diabetic patients. Wako Y, et al. **Tohoku J Exp Med** 1986 Jun;149(2):133–43

Plasma concentrations of retinol and vitamins E and C during the first twelve months of post natal life. Ette SI, et al. **Trop Geogr Med** 1986 Mar;38(1):1–5

[Relation between the level of serum vitamin A and visual function] Teng AL. **Chung Hua I Hsueh Tsa Chih** 1985 Dec;65(12):743–6 (Chi)

[Serum levels of vitamin A and carotene in middle–aged and aged subjects, in 11 localities of the State of São Paulo, Brazil] Roncada MJ, et al. **Rev Saude Publica** 1985 Aug; 19(4):336–43 (Eng. Abstr.) (Por)

[Concentrations of thyroxine, beta carotene, vitamin A and pregnancy in heifers after administration of beta carotene] Bekeová E, et al. **Vet Med (Praha)** 1985 Dec;30(12):715–24 (Eng. Abstr.) (Slo)

HISTORY

Nutrition classics. The Journal of General Physiology, Volume eighteenth 1935: Vitamin A in eye tissues. By George Wald. **Nutr Rev** 1985 Aug;43(8):244–6

ISOLATION & PURIFICATION

Separation of geometric isomers of retinol and retinoic acid in nonaqueous high–performance liquid chromatography. Bhat PV, et al. **Methods Enzymol** 1986;123:75–85

Separation and quantitation of retinyl esters and retinol by high–performance liquid chromatography. Ross AC. **Methods Enzymol** 1986;123:68–74

METABOLISM

Consequences of defective vitamin A transportation on mitochondrial membrane integrity during protein depletion. Olowookere JO. **Ann Nutr Metab** 1986; 30(3):210–2

Psoriasis and vitamin A. Plasma transport and skin content of retinol, dehydroretinol and carotenoids in adult patients versus healthy controls. Rollman O, et al. **Arch Dermatol Res** 1985;278(1):17–24

Retinol esterification in cultured rat liver cells. Drevon CA, et al. **Biochem J** 1985 Sep 15;230(3):617–23

The association of lipoprotein cholesterol with vitamin A. Adams LL, et al. **Cancer** 1985 Dec 1;56(11):2593–7

Lipoprotein cholesterol, vitamin A, and vitamin E in an alcoholic population. D'Antonio JA, et al. **Cancer** 1986 May 1;57(9):1798–802

No tissue level abnormality of vitamin A concentration despite elevated serum vitamin A of uremic patients. Stein G, et al. **Clin Nephrol** 1986 Feb;25(2):87–93

Ocular alcohol dehydrogenase in the rat: regional distribution and kinetics of the ADH–1 isoenzyme with retinol and retinal. Julià P, et al. **Exp Eye Res** 1986 Apr;42(4):305–14

Competition between retinol and 3,4–didehydroretinol for esterification in crude pigment epithelial cell fractions. Tsin AT. **Experientia** 1986 Aug 15;42(8):952–4

Depletion of liver and esophageal epithelium vitamin A after chronic moderate ethanol consumption in rats: inverse relation to zinc nutriture. Mobarhan S, et al. **Hepatology** 1986 Jul–Aug;6(4):615–21

Evidence for two subcellular pools and different kinetic behaviour of retinyl palmitate in rat liver. Periquet B, et al. **Int J Vitam Nutr Res** 1985;55(3):245–51

Retinyl ester synthesis by the isolated perfused–ventilated neonatal rabbit lung. Zachman RD. **Int J Vitam Nutr Res** 1985;55(4):371–5

Hepatic uptake of [3H]retinol bound to the serum retinol binding protein involves both parenchymal and perisinusoidal stellate cells. Blomhoff R, et al. **J Biol Chem** 1985 Nov 5;260(25):13571–5

Enzymatic esterification of exogenous retinol and 3,4–didehydroretinol in the retinal pigment epithelium. Tsin AT. **J Exp Zool** 1986 Jun;238(3):311–7

Biosynthesis of 3–dehydroretinol (vitamin A2) from all–trans–retinol (vitamin A1) in human epidermis. Törmä H, et al. **J Invest Dermatol** 1985 Dec;85(6):498–500

Retinol and retinyl esters in parenchymal and nonparenchymal rat liver cell fractions after long–term administration of ethanol. Rasmussen M, et al. **J Lipid Res** 1985 Sep;26(9):1112–9

Effect of inhalation of coal fly ash on vitamin A distribution in organs of the rat. Chauhan SS, et al. **J Toxicol Environ Health** 1985;16(3–4):655–9

Decrease of available vitamin A in parenteral nutrition solutions. Riggle MA, et al. **JPEN J Parenter Enteral Nutr** 1986 Jul–Aug;10(4):388–92

Evaluation of vitamin A and C status in normal and malignant conditions and their possible role in cancer prevention. Ghosh J, et al. **Jpn J Cancer Res** 1985 Dec;76(12):1174–8

Systemic lupus erythematosus, renal disease, hemodialysis and vitamin A. Mawson AR. **Med Hypotheses** 1985 Dec; 18(4):387–98

Vitamin A losses during continuous ambulatory peritoneal dialysis. Vahlquist A, et al. **Nephron** 1985;41(2):179–83

Uptake, distribution, and esterification of retinol in liver. **Nutr Rev** 1986 Jun;44(6):216–7

Effect of vitamin A status on retinoid–binding protein levels in rat tissues. **Nutr Rev** 1985 Aug;43(8):247–50 (18 ref.)

Excretion of vitamin A metabolites in the bile. **Nutr Rev** 1985 Aug;43(8):250–2 (15 ref.)

Effect of frequency of dosing of B–carotene on vitamin A and B–carotene contents in the liver and intestinal mucosa in rats. Mesomya W, et al. **Paediatr Indones** 1986 May–Jun; 26(5–6):104–12

Liver vitamin A reserves of very low birth weight neonates. Shenai JP, et al. **Pediatr Res** 1985 Sep;19(9):892–3

Uptake of vitamin A and retinol–binding protein by human placenta in vitro. Törmä H, et al. **Placenta** 1986 Jul–Aug; 7(4):295–305

Synthesis of coenzyme A ester of retinoic acid: intermediate in vitamin A metabolism. Kutner A, et al. **Proc Natl Acad Sci USA** 1986 Sep;83(18):6781–4

Improved Kupffer's gold chloride method for demonstrating the stellate cells storing retinol (vitamin A) in the liver and extrahepatic organs of vertebrates. Wake K, et al. **Stain Technol** 1986 Jul;61(4):193–200

Acute polybrominated biphenyl toxicosis alters vitamin A homeostasis and enhances degradation of vitamin A. Callum ME, et al. **Toxicol Appl Pharmacol** 1985 Oct; 81(1):177–81

[Vitamin A status in liver diseases in children. Study based on 79 hepatic biopsies] Amédée–Manesme O, et al. **Arch Fr Pediatr** 1985 Aug–Sep;42 Suppl 1:591–5 (Eng. Abstr.) (Fre)

[Metabolism of vitamin A in Forestier–Rotès–Quérol hyperostosis] Abiteboul M, et al. **Rev Rhum Mal Osteoartic** 1986 Mar;53(3):143–5 (Eng. Abstr.) (Fre)

[Transport, metabolism and the role of vitamin A in the vision process. II. Metabolism of vitamin A in the visual cycle] Nowak JZ, et al. **Klin Oczna** 1985 Dec;87(12):512–3 (Eng. Abstr.) (Pol)

[Transport, metabolism and the role of vitamin A in the vision process. I. Transport of vitamin A to eye tissues] Nowak JZ, et al. **Klin Oczna** 1985 Dec;87(12):509–11 (Eng. Abstr.) (Pol)

[Intestinal absorption in asymptomatic school children with Giardia lamblia] Moraleda L, et al. **Rev Chil Pediatr** 1985 Nov–Dec;56(6):431–5 (Eng. Abstr.) (Spa)

PHARMACODYNAMICS

Langerhans cells in murine vaginal epithelium affected by oestrogen and topical vitamin A. Young WG, et al. **Acta Anat (Basel)** 1986;125(1):59–64

Inhibition of membrane bone formation by vitamin A in the embryonic chick mandible. Tyler MS, et al. **Anat Rec** 1986 Feb;214(2):193–7

Effects of vitamin A on the metabolism and mutagenicity of 2AAF in vitro and on the covalent binding to rat liver DNA/RNA in vivo. Rondahl L, et al. **Arch Toxicol** 1985 Aug;57(3):178–83

The in vitro effect of retinol on human gingival epithelium. Walsh LJ, et al. **Aust Dent J** 1986 Feb;31(1):5–11

Elevation of alkaline phosphatase by retinol in bovine endothelial cells and its possible relationship to lipid biosynthesis. Adams SE, et al. **Biochim Biophys Acta** 1986 Feb 21;885(2):146–53

Effects of orally administered retinol on natural killer cell activity in wild type BALB/c and congenitally athymic BALB/c mice. Fraker LD, et al. **Cancer Immunol Immunother** 1986;21(2):114–8

Increased levels of several retinoid binding proteins resulting from retinoic acid–induced differentiation of F9 cells. Eriksson U, et al. **Cancer Res** 1986 Feb;46(2):717–22

Retinol–induced protein phosphorylation and emergence of a new protein species in endothelial cells. Hagiwara H, et al. **Chem Pharm Bull (Tokyo)** 1986 Apr;34(4):1830–3

The effect of vitamin A deficiency and fluoride on glycosaminoglycan metabolism in bone. Lucas PA, et al. **Connect Tissue Res** 1984;13(1):17–26

Induction of sister–chromatid exchanges and cell–cycle delays in human lymphocytes by vitamin A alone or in combination with melphalan and caffeine. Dozi–Vassiliades J, et al. **Eur J Cancer Clin Oncol** 1985 Sep;21(9):1089–92

Growth stimulation by retinol apparently independent of EGF receptor. Böning W, et al. **Exp Cell Res** 1986 Mar; 163(1):255–60

Long–term toxicity of hexachlorobenzene in the rat and the effect of dietary vitamin A. Arnold DL, et al. **Food Chem Toxicol** 1985 Sep;23(9):779–93

Hydroxy radial involvement in retinol hemolysis of human erythrocytes in vitro. Krishnamurthy S, et al. **Indian J Biochem Biophys** 1984 Dec;21(6):397–9

Effect of administration of vitamin A, ascorbic acid and nicotinamide adenine dinucleotide + flavin adenine dinucleotide on severity of myocardial infarction induced by isoproterenol in rats. Mathew S, et al. **Indian J Exp Biol** 1985 Sep;23(9):500–4

Evidence of the gastric cytoprotective effects of vitamin A, atropine and cimetidine on the development of gastric mucosal damage produced by administration of indomethacin in healthy subjects. Mózsik G, et al. **Int J Tissue React** 1986;8(1):85–90

Vitamin A increases cold tolerance in goldfish. Chen TS, et al. **Int J Vitam Nutr Res** 1985;55(4):365–9

Effect of vitamin A on hepatic microsomal drug metabolising enzymes activity in rats exposed to acute hypoxia. Grover SK, et al. **Int J Vitam Nutr Res** 1985;55(4):391–3

Vitamin A status affects chromatin structure. Porter SB, et al. **Int J Vitam Nutr Res** 1986;56(1):11–20

Hypervitaminosis A and glycerol lysis time (GLT). Sulochana G, et al. **Int J Vitam Nutr Res** 1986;56(1):125

The interaction of vitamin A and corticosteroids on wound healing. Corball M, et al. **Ir J Med Sci** 1985 Aug; 154(8):306–10

Coordinate control by vitamin A of keratin gene expression in human keratinocytes. Gilfix BM, et al. **J Biol Chem** 1985 Nov 15;260(26):14026–9

Stage–specific response of the mesenchyme to excess vitamin A in developing rat facial processes. Takakubo F, et al. **J Craniofac Genet Dev Biol** 1986;6(1):41–51

Reversible and irreversible effects of retinol upon the phenotypic properties of embryonal carcinoma cells. Sherman MI, et al. **J Embryol Exp Morphol** 1986 Apr; 93:179–96

Vitamin A enhances forelimb regeneration in juvenile leopard frogs Rana pipiens. Cecil ML, et al. J Exp Zool 1986 Jan; 237(1):57–61
The in vitro effect of retinol on human gingival epithelium. II. Modulation of Langerhans cell markers and interleukin-1 production. Walsh LJ, et al. J Invest Dermatol 1985 Dec;85(6):501–6
Inhibition of coal fly ash polycyclic aromatic hydrocarbons and metals induced mixed-function oxidase activity in rat lung and liver by vitamin A and citrate. Chauhan SS, et al. J Toxicol Environ Health 1986;17(4):357–63
Inhibition of DNA synthesis and neoplastic cell growth by vitamin A (retinol). Lupulescu A. JNCI 1986 Jul; 77(1):149–56
Modification of hepatic folate metabolism in rats fed excess retinol. Fell D, et al. Life Sci 1986 May 26;38(21):1959–65
Dietary vitamin A and cancer—a multisite case-control study. Middleton B, et al. Nutr Cancer 1986;8(2):107–16
Excess dietary vitamin A in the growing chick: effect of fat source and vitamin D. Veltmann JR Jr, et al. Poult Sci 1986 Jan;65(1):153–63
Metabolic potential of the adipose tissue of rats during hyper- and hypovitaminosis A. Ramachandran CK, et al. Proc Soc Exp Biol Med 1986 May;182(1):73–8
The influence of supplemental vitamins A and E on ovine humoral immune response. Ritacco KA, et al. Proc Soc Exp Biol Med 1986 Jul;182(3):393–8
Endogenous low molecular weight factors, vitamin A and phorbol esters dramatically affect pattern formation and positional values in marine hydroids. Berking S, et al. Prog Clin Biol Res 1986;217A:79–82
Matrix depletion of young and old human articular cartilage by cultured autologous synovium fragments: a chondrocyte-independent effect. Dogterom AA, et al. Rheumatol Int 1985;5(4):169–73
Vitamin A and retinoic acid: induced fibroblast differentiation in vitro. Demetriou AA, et al. Surgery 1985 Nov; 98(5):931–4
Conversion of thyroxine to triiodothyronine in liver biopsy samples of beta-carotene and vitamin-A supplemented dairy cows. Pethes G, et al. Zentralbl Veterinarmed [A] 1985 Aug;32(7):512–7
[Relation between the vitamin A supply to chickens and susceptibility to Eimeria tenella] Richter G, et al. Arch Exp Veterinarmed 1985 Jul;39(4):492–503 (Eng. Abstr.) (Ger)
[The influence of vitamin A on cutaneous carcinogenesis in mice induced by 20-methylcholanthrene. 2. Electron microscopy studies] Hirose R. Nippon Hifuka Gakkai Zasshi 1985 Nov;95(13):1433–40 (Jpn)
[The influence of vitamin A on cutaneous carcinogenesis in mice induced by 20-methylcholanthrene. 1. Carcinogenesis and tumor incidence] Hirose R. Nippon Hifuka Gakkai Zasshi 1985 Nov;95(13):1423–31 (Jpn)
[Experimental analysis of the immunostimulant properties of vitamin A] Pletsityl KD. Biull Eksp Biol Med 1985 Nov; 100(11):600–2 (Eng. Abstr.) (Rus)
[Vitamin A: effect on phagocytosis and neutrophil bactericidal systems under normal conditions and in various pathological states] Davydova TV, et al. Vopr Med Khim 1985 Nov-Dec;31(6):70–4 (Eng. Abstr.) (Rus)
[Effect of vitamin A on lipid metabolism in the erythrocyte membrane] Lutsiuk NB, et al. Vopr Med Khim 1985 Nov-Dec;31(6):89–91 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Rhodopsin, 11-cis vitamin A, and interstitial retinol-binding protein (IRBP) during retinal development in normal and rd mutant mice. Carter-Dawson L, et al. Dev Biol 1986 Aug;116(2):431–8
Serum lipoproteins protect isolated erythrocytes against retinol-induced haemolysis. Schindler R, et al. Int J Vitam Nutr Res 1985;55(3):253–62
Vitamin A and lung development. Chytil F. Pediatr Pulmonol 1985 May-Jun;1(3 Suppl):S115–7
Vitamin A and the liver. De Luca LM, et al. Prog Liver Dis 1986;8:81–98 (98 ref.)
[Metabolism of vitamin A and retinoids] Jardillier JC, et al. Bull Cancer (Paris) 1986;73(2):180–92 (91 ref.) (Eng. Abstr.) (Fre)
[Role of vitamin A in vertebral ankylosing hyperostosis] Abiteboul M. Presse Med 1986 Feb 22;15(8):373–4 (Fre)
[Role of vitamin A in the body] Janczewska I. Pol Tyg Lek 1985 Nov 11;40(45):1280–2 (44 ref.) (Pol)

POISONING

Hepatic and dermatologic manifestations of chronic hypervitaminosis A in adults. Report of two cases. Inkeles SB, et al. Am J Med 1986 Mar;80(3):491–6
Scintigraphic dissociation of reticuloendothelial and hepatocyte function in chronic vitamin A hepatotoxicity [letter] Vincent LM. Clin Nucl Med 1986 Jan;11(1):67
Different responses of the submandibular salivary glands and liver of rats subjected to excess vitamin A: study on glycogen metabolism. Ferreira FD, et al. Int J Vitam Nutr Res 1985;55(3):239–44
Massive vitamin A intoxication with ascites and pleural effusion. Noseda A, et al. J Clin Gastroenterol 1985 Aug; 7(4):344–9
Hypervitaminosis A and calcium-regulating hormones in the rat. Frankel TL, et al. J Nutr 1986 Apr;116(4):578–87
Pibloktoq (hysteria) and Inuit nutrition: possible implication of hypervitaminosis A. Landy D. Soc Sci Med 1985; 21(2):173–85
[A systemic-like disease: chronic vitamin A poisoning] Baglin A, et al. Ann Med Interne (Paris) 1986;137(2):142–6 (Eng. Abstr.) (Fre)
[Chronic vitamin A poisoning] Beccari G. Minerva Med 1986 Jun 30;77(27):1327 (Ita)

THERAPEUTIC USE

Ineffectiveness of vitamin A therapy in severe Crohn's disease. Norrby S, et al. Acta Chir Scand 1985;151(5):465–8
Amelioration of adriamycin-induced cardiotoxicity in rabbits by prenylamine and vitamins A and E. Milei J, et al. Am Heart J 1986 Jan;111(1):95–102
Carotenoid intake, vegetables, and the risk of lung cancer among white men in New Jersey. Ziegler RG, et al. Am J Epidemiol 1986 Jun;123(6):1080–93
Vitamin A status in children who are prone to respiratory tract infections. Pinnock CB, et al. Aust Paediatr J 1986 May;22(2):95–9
Vitamin A: failure to demonstrate in mice an anti-tumour effect, whether combined with cytotoxic drugs or not. Cattan A, et al. Bull Cancer (Paris) 1986;73(2):201–6
The effect of vitamin A supplementation on serum retinol and retinol binding protein levels. Wald NJ, et al. Cancer Lett 1985 Nov;29(2):203–13
Phase II trial of retinol in patients with advanced cancer. Goodman GE. Cancer Treat Rep 1986 Aug;70(8):1023–4
Acne vulgaris: correcting pathophysiologic defects versus antibacterial therapy [letter] Ayres S Jr. Int J Dermatol 1986 Jun;25(5):335–6
Selenium and vitamins A, E, and C: nutrients with cancer prevention properties. Watson RR, et al. J Am Diet Assoc 1986 Apr;86(4):505–10 (41 ref.)
Carotenoids, vitamin A and cancer. Olson JA. J Nutr 1986 Jun;116(6):1127–30
Cortisone, vitamin A, and wound healing: the importance of measuring wound surface area. Smith KP, et al. J Surg Res 1986 Feb;40(2):120–5
Prevention of duodenal ulcer formation in the rat by dietary vitamin A supplementation. Mahmood T, et al. JPEN J Parenter Enteral Nutr 1986 Jan-Feb;10(1):74–7
Potentiation by vitamin A of the action of anticancer agents against murine tumors. Nakagawa M, et al. Jpn J Cancer Res 1985 Sep;76(9):887–94
Fall and rise of the anti-infective vitamin [editorial] Lancet 1986 May 24;1(8491):1191
Vitamin A supplementation and childhood mortality [letter] Lancet 1986 Jul 19;2(8499):161–2
Vitamin A supplementation and child mortality [letter] Martinez H, et al. Lancet 1986 Aug 23;2(8504):451–2
Impact of vitamin A supplementation on childhood mortality. A randomised controlled community trial. Sommer A, et al. Lancet 1986 May 24;1(8491):1169–73
Vitamin A and cancer incidence in a retirement community. Paganini-Hill A, et al. Natl Cancer Inst Monogr 1985 Dec; 69:133–5
Vitamin A deficiency [letter] Olson JA. Nutr Rev 1986 Mar; 44(3):121–4
Interstitial retinol binding protein in the developing human retina: a proposed explanation for vitamin E suppression of retinopathy of prematurity. Johnson AT, et al. Prog Clin Biol Res 1985;190:251–77
Vitamin A and cancer [editorial] Walker AR, et al. S Afr Med J 1986 Jan 4;69(1):1–2
[Vitamin A augmentation of the effects of chemotherapy in metastatic breast cancers after menopause. Randomized trial in 100 patients] Israël L, et al. Ann Med Interne (Paris) 1985;136(7):551–4 (Eng. Abstr.) (Fre)
[Long-term treatment of senile macular degeneration with Cosaldon A+E] Stark H. Klin Monatsbl Augenheilkd 1985 Oct;187(4):296–302 (Eng. Abstr.) (Ger)
[Studies with the computer-guided perimeter "Peritest" on the effect of Cosaldon A+E on glaucomatous visual field defects] Stark H. Ophthalmologica 1985;191(4):238–49 (Eng. Abstr.) (Ger)
[Use of vitamins A and E, in association with anti-inflammatory substances, in the therapy of breast dysplasia] Fanini RA, et al. Minerva Ginecol 1986 Jun; 38(6):523–8 (Eng. Abstr.) (Ita)
[Clinical evaluation of FAR therapy (radiotherapy with 5FU and vitamin A) for laryngeal cancer. I. Rates of control and complications] Jingu K. Nippon Igaku Hoshasen Gakkai Zasshi 1985 Sep 25; 45(9):1261–9 (Eng. Abstr.) (Jpn)
[Clinical evaluation of FAR therapy (radiotherapy with 5FU and vitamin A) for laryngeal cancer. I. Survival rate] Jingu K. Nippon Igaku Hoshasen Gakkai Zasshi 1985 Sep 25; 45(9):1253–60 (Eng. Abstr.) (Jpn)
[Effect of vitamin A and hormones on the hormonal sensitivity of DMBA-induced mammary tumors in rats] Kartavova NS, et al. Eksp Onkol 1986;8(3):28–31 (Eng. Abstr.) (Rus)
[Effect of aevite and riboflavin on the electrolyte balance in the wall of the hepatic blood vessels in experimental toxic hepatitis] Iakusheva EN. Farmakol Toksikol 1986 Mar-Apr;49(2):71–4 (Eng. Abstr.) (Rus)
[First experience using laser photochemotherapy in cicatricial pemphigoid] Mandel' ASh, et al. Vestn Dermatol Venerol 1985 Oct;(10):23–4 (Eng. Abstr.) (Rus)
[Effect of vitamins A and E on various indices of lipid and protein metabolism in children with perinatal pathology of the central nervous system] Nian'kovskiĭ SL, et al. Vopr Med Khim 1986 May-Jun;32(3):76–9 (Eng. Abstr.) (Rus)
[Effect of vitamins A, E and K on the indices of the glutathione antiperoxide system in gingival tissues in periodontosis] Khmelevskiĭ IuV, et al. Vopr Pitan 1985 Jul-Aug;(4):54–6 (Eng. Abstr.) (Rus)

TOXICITY

Vitamin A toxicosis in the chick and turkey poults. Veltmann JR Jr, et al. Poult Sci 1986 Mar;65(3):538–45
Isolation and culture of myofibroblasts from rat liver. Leo MA, et al. Proc Soc Exp Biol Med 1985 Nov;180(2):382–91
Teratogenic profile of retinylidene methyl nitrone and retinol in Swiss-Webster mice. Willhite CC, et al. Teratogenesis Carcinog Mutagen 1985;5(5):355–63

VITAMIN A ACID see TRETINOIN

VITAMIN A DEFICIENCY

see related
NYCTALOPIA
XEROPHTHALMIA

BLOOD

Distribution of vitamins A and E in blood and liver of rats depleted of vitamin A or vitamin E. Omaye ST, et al. Lipids 1986 Jul;21(7):465–9

CHEMICALLY INDUCED

Methyltestosterone-induced night blindness. Nisbett SB, et al. Can J Ophthalmol 1985 Dec;20(7):254–6

COMPLICATIONS

Risk factors for developing mild nutritional blindness in urban Bangladesh. Stanton BF, et al. Am J Dis Child 1986 Jun; 140(6):584–8
Re: "Dietary vitamin A deficiencies and stomach cancer" [letter] Lyon JL. Am J Epidemiol 1985 Nov;122(5):920–1
Metabolic facial paralysis in an infant. Sillman JS, et al. Arch Otolaryngol 1985 Dec;111(12):822–5
The effect of vitamin A deficiency on the initiation and postinitiation phases of benzo(a)pyrene-induced lung tumourigenesis in rats. Dogra SC, et al. Br J Cancer 1985 Dec;52(6):931–5
Keratomalacia on a 'healthy diet'. Olver J. Br J Ophthalmol 1986 May;70(5):357–60
Effect of moderate vitamin A supplementation and lack of dietary vitamin A on the development of mammary tumors in female rats treated with low carcinogenic dose levels of 7,12-dimethylbenz(a)anthracene. Zile MH, et al. Cancer Res 1986 Jul;46(7):3495–503
Nutritional amblyopia in a patient with Crohn's disease [letter] Iansek R, et al. J Neurol Neurosurg Psychiatry 1985 Dec;48(12):1307–8
Ocular infection with herpes simplex virus (HSV-1) in vitamin A-deficient and control rats. Nauss KM, et al. J Nutr 1985 Oct;115(10):1300–15
Landholding, wealth and risk of blinding malnutrition in rural Bangladeshi households. Cohen N, et al. Soc Sci Med 1985; 21(11):1269–72
Prevalence and determinants of nutritional blindness in Bangladeshi children. Cohen N, et al. World Health Stat Q 1985;38(3):317–30 (Eng, Fre)

DRUG THERAPY

Vitamin A deficiency [letter] Olson JA. Nutr Rev 1986 Mar; 44(3):121–4
[Effects of administration of moderate doses of etretinate (RO 10-9359) on rats deficient in vitamin A] Tarsoura D, et al. Acta Vitaminol Enzymol 1985;7(3-4):229–37 (Eng. Abstr.) (Fre)

ENZYMOLOGY

Vitamin A status and metabolism of benzo[a]pyrene in the rat. Hauswirth JW. Nutr Cancer 1985;7(1-2):33–8
[Effect of retinol deficiency on the activity and solubility of various enzymes of the endoplasmic reticulum membranes in the rat liver] Bogdanov NG, et al. Biokhimiia 1986 Feb;51(2):242–8 (Eng. Abstr.) (Rus)
[Activity of enzymes of xenobiotic metabolism in the liver of rats with vitamin A deficiency and mycotoxicosis T-2] Kranauskas AE, et al. Vopr Med Khim 1986 Mar-Apr; 32(2):130–4 (Eng. Abstr.) (Rus)

ETIOLOGY

Relationship between vitamin A and malignancy in cancer patients. Zamaria W, et al. Int J Vitam Nutr Res 1985; 55(4):377–81
Vitamin A deficiency—a global disease. Nutr Rev 1985 Aug; 43(8):240–3 (10 ref.)

IMMUNOLOGY

Assessment of lymphocyte function during vitamin A deficiency. Butera ST, et al. **Am J Vet Res** 1986 Apr; 47(4):850–5

Local and regional immune function of vitamin A–deficient rats with ocular herpes simplex virus (HSV) infections. Nauss KM, et al. **J Nutr** 1985 Oct;115(10):1316–24

Impaired biliary secretion of immunoglobulin A in vitamin A–deficient rats. Puengtomwatanakul S, et al. **Proc Soc Exp Biol Med** 1986 Sep;182(4):437–42

METABOLISM

Effect of vitamin A deficiency on pulmonary and hepatic in vitro metabolism of benzo(a)pyrene in rat. Dogra SC, et al. **Biochem Int** 1985 Dec;11(6):869–84

The effect of vitamin A deficiency and fluoride on glycosaminoglycan metabolism in bone. Lucas PA, et al. **Connect Tissue Res** 1984;13(1):17–26

Thyroid–vitamin A interactions in chicks exposed to 3,4,3',4'–tetrachlorobiphenyl: influence of low dietary vitamin A and iodine. Spear PA, et al. **Environ Res** 1986 Jun;40(1):188–98

Rod outer segment lipids in vitamin A–adequate and –deficient rats. Organisciak DT, et al. **Exp Eye Res** 1986 Jan;42(1):73–82

Lipofuscin accumulation in extraocular muscle of rats deficient in vitamins E and A. Herrmann RK, et al. **Graefes Arch Clin Exp Ophthalmol** 1985;223(5):272–7

Biochemical indicators of vitamin A depletion in children with cholestasis. Amédée–Manesme O, et al. **Hepatology** 1985 Nov–Dec;5(6):1143–8

Vitamin A deficiency and keratin biosynthesis in cultured hamster trachea. Huang FL, et al. **In Vitro Cell Dev Biol** 1986 Apr;22(4):223–30

The effect of retinol deficiency on the metabolism of all–trans–retinyl acetate in rat testes. Chaudhary LR, et al. **Int J Vitam Nutr Res** 1985;55(4):383–90

Evidence for two subcellular pools and different kinetic behaviour of retinyl palmitate in rat liver. Periquet B, et al. **Int J Vitam Nutr Res** 1985;55(3):245–51

Mallory body formation and amyloid deposition in the liver of aged mice fed a vitamin A deficient diet for a prolonged period. Akeda S, et al. **Lab Invest** 1986 Feb;54(2):228–33

Changes in pineal indoleamine metabolism in vitamin A deficient rats. Herbert DC, et al. **Life Sci** 1985 Dec 30; 37(26):2515–22

Metabolic potential of the adipose tissue of rats during hyper– and hypovitaminosis A. Ramachandran CK, et al. **Proc Soc Exp Biol Med** 1986 May;182(1):73–8

Vitamin A and ciliated cells. I. Respiratory epithelia. Biesalski HK, et al. **Z Ernahrungswiss** 1986 Jun;25(2):114–22

[Uptake and distribution of 14C–retinyl acetate in organs and sensory tissue (inner ear) of the guinea pig] Biesalski HK, et al. **Z Ernahrungswiss** 1985 Sep;24(3):187–96 (Eng. Abstr.) **(Ger)**

[Vitamin A and lipid peroxidation: effect of retinol deficiency] Kon' Ila, et al. **Biokhimiia** 1986 Jan;51(1):70–6 (Eng. Abstr.) **(Rus)**

[Microspectrophotometric research on the rhodopsin and carotenoid content of the retinal visual cells of hens maintained on a vitamin A–deficient diet] Dzhanelidze KhN. **Tsitologiia** 1986 May;28(5):562–5 (Eng. Abstr.) **(Rus)**

[Carbohydrates in the liver microsome fraction of rats with hypovitaminosis A] Pentiuk AA, et al. **Ukr Biokhim Zh** 1986 Jul–Aug;58(4):46–50 (Eng. Abstr.) **(Rus)**

[Effect of vitamin A on lipid metabolism in the erythrocyte membrane] Lutsiuk NB, et al. **Vopr Med Khim** 1985 Nov–Dec;31(6):89–91 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Vitamin A status of young children in Southern Brazil. Favaro RM, et al. **Am J Clin Nutr** 1986 May;43(5):852–8

[Nutritional status of children under 6, according to land tenure, in rural areas of the State of Pernambuco, Northeast of Brazil] de Lira PI, et al. **Arch Latinoam Nutr** 1985 Jun; 35(2):247–57 (Eng. Abstr.) **(Por)**

PARASITOLOGY

Retinol deficiency and Dipetalonema vitease infection in the hamster. Stürchler D, et al. **J Helminthol** 1985 Sep; 59(3):201–10

PATHOLOGY

Low vitamin A status and 3–methylcholanthrene induced skin carcinogenesis in mice. Bansal MP, et al. **Indian J Exp Biol** 1985 Nov;23(11):613–5

Vitamin A deprivation in hamsters. Correlations between tracheal epithelial morphology and serum/tissue levels of vitamin A. Strum JM, et al. **Virchows Arch [Cell Pathol]** 1985;50(1):43–57

[Keratomalacia. Comments on 2 cases] Cernea P, et al. **Rev Chir [Oftalmol]** 1986 Apr–Jun;30(2):103–8 (Eng. Abstr.) **(Rum)**

PHYSIOPATHOLOGY

Effect of vitamin A deficiency upon gonadotropin response to gonadotropin–releasing hormone. Huang HS, et al. **Biol Reprod** 1985 Dec;33(5):1176–87

Effects of restrictions in dietary protein and vitamin A on the responses of rats to infections by Nippostrongylus brasiliensis (Nematoda) and N. brasiliensis plus Eimeria nieschulzi (Coccidia). Frandsen JC. **Int J Parasitol** 1985 Oct;15(5):523–8

Responsiveness and ultrastructure of slowly adapting type I cutaneous mechanoreceptors in vitamin A deficient rats. Baumann KI, et al. **J Physiol (Lond)** 1986 Feb;371:339–49

[Quantitative study of spermatogenesis in rats developing avitaminosis A from the use of retinoic acid] Pozniakov SP, et al. **Izv Akad Nauk SSSR [Biol]** 1985 Sep–Oct; (5):731–41 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Evaluation of rose bengal staining test and rapid dark–adaptation test for the field assessment of vitamin A status of preschool children in Southern Brazil. Fávaro RM, et al. **Am J Clin Nutr** 1986 Jun;43(6):940–5

Inhibition of ethanol induced hepatic vitamin A depletion by administration of N,N'–diphenyl–p–phenylene–diamine (DPPD). Ryle PR, et al. **Life Sci** 1986 Feb 24;38(8):695–702

The WHO programme of prevention and control of vitamin A deficiency, xerophthalmia and nutritional blindness. DeMaeyer EM. **Nutr Health** 1986;4(2):105–12

VETERINARY

[Cytophotometric analysis of DNA and histones in the spermatozoa of ram sires in natural hypovitaminosis A] Zakhidov ST, et al. **Izv Akad Nauk SSSR [Biol]** 1985 Sep–Oct;(5):742–7 (Eng. Abstr.) **(Rus)**

VITAMIN B 1 see **THIAMINE**

VITAMIN B 2 see **RIBOFLAVIN**

VITAMIN B 6 see **PYRIDOXINE**

VITAMIN B 12

Inactivation of B12 and folate coenzymes by butyl nitrite as observed by NMR: implications on one–carbon transfer mechanism. Abu Khaled M, et al. **Biochem Biophys Res Commun** 1986 Feb 26;135(1):201–7

Methyl transfer from methylcobalamin to thiols. A reinvestigation. Hogenkamp HP, et al. **Biochemistry** 1985 Nov 5;24(23):6428–32

Concerning the intermediacy of organic radicals in vitamin B12–dependent enzymic reactions. Dixon RM, et al. **Philos Trans R Soc Lond [Biol]** 1985 Dec 17; 311(1152):531–44

ADVERSE EFFECTS

Allergic reaction to cyanocobalamin injection [letter] Woodliff HJ. **Med J Aust** 1986 Feb 17;144(4):223

[Reversible and irreversible lesions of the conus medullaris and cauda equina after lumber paravertebral infiltration injection] Pohl J, et al. **Fortschr Med** 1985 Sep 26; 103(36):849–51 (Eng. Abstr.) **(Ger)**

[Hypokalemic periodic paralysis provoked by "Ambene"] Wessel K, et al. **Nervenarzt** 1985 Dec;56(12):696–702 (Eng. Abstr.) **(Ger)**

ANALOGS & DERIVATIVES

Endogenous origin of microbiologically–inactive cobalamins (cobalamin analogues) in the human fetus. Muir M, et al. **Br J Haematol** 1985 Oct;61(2):303–6

Purification of B12–binding proteins using a photodissociative affinity matrix. Jacobsen DW, et al. **Methods Enzymol** 1986;123:28–36

[Clinical studies of methylcobalamine (CH3–B12) in oligozoospermic patients] Okada H, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 May;77(5):701–6 (Eng. Abstr.) **(Jpn)**

[Transplacental effect of methylcobalamine on the growth of embryonic mouse kidney tissue in organotypic cultivation] Golenko OD, et al. **Biull Eksp Biol Med** 1986 Apr;101(4):471–4 (Eng. Abstr.) **(Rus)**

ANALYSIS

Cobalamin–specific R binder in pernicious anemia gastric juice: production by digestive enzyme action on saliva R binder. Herzlich BC, et al. **Am J Gastroenterol** 1985 Nov; 80(11):841–52

Tissue vitamin B12 levels in bat sucklings (Rousettus aegyptiacus) born of vitamin B12 deficient mothers. van der Westhuyzen J. **Comp Biochem Physiol [B]** 1986; 83(2):301–3

Composition of breast milk with reference to vitamin B12 and folic acid in Indian mothers. Bijur AM, et al. **Indian J Pediatr** 1985 Mar–Apr;52(415):147–50

Determination of vitamin B12 in gruel by a radioisotope dilution assay. Osterdahl BG, et al. **Int J Vitam Nutr Res** 1986;56(1):95–9

Determination of cobalamins in biological material. Gimsing P, et al. **Methods Enzymol** 1986;123:3–14

Analysis of cobalamin coenzymes and other corrinoids by high–performance liquid chromatography. Jacobsen DW, et al. **Methods Enzymol** 1986;123:14–22

[Reflectometric analysis of vitamin B12 by thin–layer chromatography in pharmaceutic forms] Blanchin MD, et al. **Pharm Acta Helv** 1986;61(5–6):139–41 (Eng. Abstr.) **(Fre)**

ANTAGONISTS & INHIBITORS

Effects of 5–fluorouracil treatment of rat leukemia with concomitant inactivation of cobalamin. Kroes AC, et al. **Anticancer Res** 1986 Jul–Aug;6(4):737–42

Enhanced therapeutic effect of methotrexate in experimental rat leukemia after inactivation of cobalamin (vitamin B12) by nitrous oxide. Kroes AC, et al. **Cancer Chemother Pharmacol** 1986;17(2):114–20

BIOSYNTHESIS

NMR studies of biosynthetic pathways. Scott AI. **Ann NY Acad Sci** 1986;471:174–96

Biosynthesis of porphyrins and corrins. 2. Isolation, purification, and NMR investigations of the porphobilinogen–deaminase covalent complex. Evans JN, et al. **Biochemistry** 1986 Feb 25;25(4):905–12

Biosynthesis of porphyrins and corrins. 1. 1H and 13C NMR spectra of (hydroxymethyl)bilane and uroporphyrinogens I and III. Evans JN, et al. **Biochemistry** 1986 Feb 25; 25(4):896–904

Cloning of multiple genes involved with cobalamin (Vitamin B12) biosynthesis in Bacillus megaterium. Brey RN, et al. **J Bacteriol** 1986 Aug;167(2):623–30

Isolation and genetic characterizations of Bacillus megaterium cobalamin biosynthesis–deficient mutants. Wolf JB, et al. **J Bacteriol** 1986 Apr;166(1):51–8

Substances with biological activity of vitamin B12 formed during cultivation of Propionibacterium freudenreichii in the presence of precursors (short communications). Rauch P, et al. **Nahrung** 1986;30(5):563–4

The biosynthesis of porphyrins, chlorophylls, and vitamin B12. Leeper FJ. **Nat Prod Rep** 1985 Dec;2(6):561–80 (198 ref.)

[Production of vitamin B12 by fermentation] Oğultekin R, et al. **Mikrobiyol Bul** 1985 Oct;19(4):200–9 (Eng. Abstr.) **(Tur)**

BLOOD

Levels of iron, vitamin B12, folic acid and their binding proteins during pregnancy. Zamorano AF, et al. **Acta Haematol (Basel)** 1985;74(2):92–6

Serum thiamin, pyridoxal, cobalamin and folate concentrations in young infants. Davis RE, et al. **Acta Paediatr Scand** 1986 May;75(3):402–7

Folacin, cobalamin, and hematological status during pregnancy in rural Kenya: the influence of parity, gestation, and Plasmodium falciparum malaria. Brabin BJ, et al. **Am J Clin Nutr** 1986 May;43(5):803–15

Vitamin B12 levels and age. Hitzhusen JC, et al. **Am J Clin Pathol** 1986 Jan;85(1):32–6

A patient with the inability to maintain in vivo levels of bound cobalamin (Cbl) and manifestations of tissue deficiency of Cbl. Begley JA, et al. **Am J Hematol** 1986 May;22(1):69–78

Diffusion permeability of cyanocobalamin in human placenta. Willis DM, et al. **Am J Physiol** 1986 Mar;250(3 Pt 2):R459–64

Physician response to low serum cobalamin levels. Carmel R, et al. **Arch Intern Med** 1986 Jun;146(6):1161–5

B vitamins in epileptics. Krause KH, et al. **Bibl Nutr Dieta** 1986;(38):154–67

An association between chronic neutrophilic leukaemia and multiple myeloma with a study of cobalamin–binding proteins. Lewis MJ, et al. **Br J Haematol** 1986 May; 63(1):173–80

Human serum vitamin B12 assay methods—a review. Lee DS, et al. **Clin Biochem** 1985 Oct;18(5):261–6

Measuring low cobalamin concentrations in the presence of excess (greater than 20–100–fold) cobalamin analog, cobinamide: a survey. Jhangiani RK, et al. **Clin Chem** 1986 Aug;32(8):1597

The concentration of vitamin B12 in serum correlates with the degree of fatty liver in morbidly obese patients [letter] Nanji AA, et al. **Clin Chem** 1985 Nov;31(11):1913

Cyanocobalamin absorption in the elderly: results for healthy subjects and for subjects with low serum cobalamin concentration. Nilsson–Ehle H, et al. **Clin Chem** 1986 Jul; 32(7):1368–71

Folate and cobalamin. Chanarin I. **Clin Haematol** 1985 Oct; 14(3):629–41 (47 ref.)

Folate and vitamin B12 levels in an urban elderly population with chronic diseases. Assessment of two laboratory folate assays: microbiologic and radioassay. Grinblat J, et al. **J Am Geriatr Soc** 1986 Sep;34(9):627–32

Importance of low serum vitamin B12 and red cell folate concentrations in elderly hospital inpatients. Blundell EL, et al. **J Clin Pathol** 1985 Oct;38(10):1179–84

EDTA plasma rather than serum for B12, folate and ferritin estimations? [letter] Sviland L, et al. **J Clin Pathol** 1985 Oct;38(10):1197

Recognition of deficiency of vitamin B12 using measurement of serum concentration. Cooper BA, et al. **J Lab Clin Med** 1986 May;107(5):447–52

Serum concentration of cobalamines during total parenteral nutrition in Crohn's disease. Jacobson S. **JPEN J Parenter Enteral Nutr** 1986 Mar–Apr;10(2):223–6

Measurement of vitamin B12 and serum folic acid: a comparison of methods. Gilois CR, et al. **Med Lab Sci** 1986 Apr;43(2):140–4

A cobalamin metabolic defect with homocystinuria, methylmalonic aciduria and macrocytic anemia. Mamlok

RJ, et al. **Neuropediatrics** 1986 May;17(2):94–9
Release of vitamin B12 from carrier erythrocytes in vitro. Eichler HG, et al. **Res Exp Med (Berl)** 1985;185(4):341–4
Iron, folate and vitamin B12 nutrition and anaemia in black preschool children in the northern Transvaal. van der Westhuyzen J, et al. **S Afr Med J** 1986 Aug 2;70(3):143–6
Cobalamin and unsaturated transcobalamin values in pernicious anaemia: relation to treatment. Magnus EM. **Scand J Haematol** 1986 May;36(5):457–65
A comparison of maternal and foetal folacin and cobalamin activities at parturition in relation to Plasmodium falciparum infection. Brabin BJ.
Trans R Soc Trop Med Hyg 1985;79(5):652–6
Reference values for serum folate, erythrocyte folate and serum cobalamin in Nigerian adolescents. Osifo BO, et al. **Trop Geogr Med** 1986 Sep;38(3):259–64
Serum vitamin B12 concentrations in children. Zamani V, et al. **Turk J Pediatr** 1986 Apr–Jun;28(2):105–10
Vitamin B12 estimation in serum [letter] Taylor CN, et al. **Vet Rec** 1986 Mar 29;118(13):371–2
[Changes in the serum levels of folic acid and vitamin B12 at the end of pregnancy] Rachev E, et al.
Akush Ginekol (Sofiia) 1985;24(6):27–31 (Eng. Abstr.) **(Bul)**
[Serum folic acid and vitamin B12 levels in normal adults in Beijing] Li RS. **Chung Hua I Hsueh Tsa Chih** 1986 Jan; 66(1):16–8 (Eng. Abstr.) **(Chi)**
[Assessment of the folate supply in children with regard to cobalamin and iron maintenance. 3: Modification of the supply status by various diseases] Hages M, et al.
Int J Vitam Nutr Res 1985;55(3):287–94 (Eng. Abstr.) **(Ger)**
[Simultaneous radioassay of vitamin B12 and folic acid in the blood] Tanaka N, et al. **Kaku Igaku** 1985 Jun; 22(6):929–38 (Eng. Abstr.) **(Jpn)**
[Intraoperative changes in plasma folate and cobalamin levels in patients inhaling nitrous oxide] Konno M, et al.
Masui 1985 Dec;34(12):1620–4 (Eng. Abstr.) **(Jpn)**
[Vitamin B 12 and folic acid levels in the blood of pregnant women and in fetal blood in uncomplicated pregnancy] Jonderko G, et al. **Ginekol Pol** 1985 Oct;56(10):636–8 (Eng. Abstr.) **(Pol)**

METABOLISM

Vitamin B12 absorption in cystic fibrosis [letter] Weizman Z. **Acta Paediatr Scand** 1986 Jan;75(1):173–4
Restricted diffusion of CrEDTA and cyanocobalamine across the exchange vessels in rat hindquarters. Haraldsson B, et al. **Acta Physiol Scand** 1986 Jul;127(3):359–72
In vitro and in vivo evidences that the malabsorption of cobalamin is related to its binding on haptocorrin (R binder) in chronic pancreatitis. Guéant JL, et al.
Am J Clin Nutr 1986 Aug;44(2):265–77
Enhancement by human bile of the binding of free and intrinsic factor–bound cobalamin (vitamin B12) to small bowel epithelial cell receptors. Kanazawa S, et al.
Am J Gastroenterol 1985 Dec;80(12):964–9
The binding site for the adenosyl group of coenzyme B12 in diol dehydrase. Toraya T. **Arch Biochem Biophys** 1985 Nov 1;242(2):470–7
Specific malabsorption of vitamin B12 in Down's syndrome. Cartlidge PH, et al. **Arch Dis Child** 1986 May;61(5):514–5
Variant-specific differences in human unsaturated transcobalamin II. Porck HJ, et al. **Biochem Genet** 1986 Feb;24(1–2):103–14
Perturbation of methionine metabolism in sheep with nitrous-oxide–induced inactivation of cobalamin. Xue GP, et al. **Biochem Int** 1986 Jan;12(1):61–9
Critical review of cobalamin–folate interrelations [letter] Berlow S. **Blood** 1986 May;67(5):1526
Vitamin B12 absorption in the neonatal piglet. 2. Resistance of the vitamin B12–binding protein in sows' milk to proteolysis in vivo. Trugo NM, et al. **Br J Nutr** 1985 Jul; 54(1):257–67
Vitamin B12 absorption in the neonatal piglet. 3. Influence of vitamin B12–binding protein from sows' milk on uptake of vitamin B12 by microvillus membrane vesicles prepared from small intestine of the piglet. Trugo NM, et al.
Br J Nutr 1985 Jul;54(1):269–83
Vitamin B12 absorption in the neonatal piglet. 1. Studies in vivo on the influence of the vitamin B12–binding protein from sows' milk on the absorption of vitamin B12 and related compounds. Trugo NM, et al. **Br J Nutr** 1985 Jul; 54(1):245–55
Cyanocobalamin absorption in the elderly: results for healthy subjects and for subjects with low serum cobalamin concentration. Nilsson-Ehle H, et al. **Clin Chem** 1986 Jul; 32(7):1368–71
Changes in the uptake of 57Co–cyanocobalamin during dimethylsulphoxide–induced differentiation of HL60 cells to neutrophils. Gill DS, et al. **Clin Lab Haematol** 1985; 7(2):143–9
Methane formation from methyl–coenzyme M in a system containing methyl–coenzyme M reductase, component B and reduced cobalamin. Ankel-Fuchs D, et al.
Eur J Biochem 1986 Apr 1;156(1):171–7
Adaptation of cholesterol and bile acid metabolism and vitamin B12 absorption in the long-term follow-up after partial ileal bypass. Koivisto P, et al. **Gastroenterology** 1986 Apr;90(4):984–90
Intrinsic factor–cobalamin accumulates in the ilea of mice treated with chloroquine. Robertson JA, et al.
Gastroenterology 1985 Dec;89(6):1353–9
Identification of the btuCED polypeptides and evidence for their role in vitamin B12 transport in Escherichia coli. de Veaux LC, et al. **J Bacteriol** 1986 Sep;167(3):920–7
A requirement for calcium in the transport of cobalamin across the outer membrane of Escherichia coli. Bradbeer C, et al. **J Biol Chem** 1986 Feb 25;261(6):2520–3
The metabolism of cobalamin bound to transcobalamin II and to glycoproteins that bind Cbl in HepG2 cells (human hepatoma). Hall CA, et al. **J Cell Physiol** 1985 Sep; 124(3):507–15
Cobalamin malabsorption in three siblings due to an abnormal intrinsic factor that is markedly susceptible to acid and proteolysis. Yang YM, et al. **J Clin Invest** 1985 Dec; 76(6):2057–65
Selective malabsorption of vitamin B12 and vitamin B12–intrinsic factor with megaloblastic anemia in an adult. Chisholm JC Jr. **J Natl Med Assoc** 1985 Oct;77(10):835–6, 838
Clinical heterogeneity in cobalamin C variant of combined homocystinuria and methylmalonic aciduria. Mitchell GA, et al. **J Pediatr** 1986 Mar;108(3):410–5
Vitamin B12 absorption capacity in healthy children. Hjelt K, et al. **J Pediatr Gastroenterol Nutr** 1986 Mar–Apr; 5(2):274–7
Reliability of a new technique for the determination of vitamin B12 absorption in children: single stool sample test—a double isotope technique. Hjelt K.
J Pediatr Gastroenterol Nutr 1986 Mar–Apr;5(2):268–73
Isolation of native and proteolytically derived ileal receptor for intrinsic factor–cobalamin. Seetharam B, et al.
Methods Enzymol 1986;123:23–8
New disorder of vitamin B12 metabolism (cobalamin F) presenting as methylmalonic aciduria. Rosenblatt DS, et al. **Pediatrics** 1986 Jul;78(1):51–4
Vitamin B12 nutriture of chickens fed raw soybean meal. Ward NE, et al. **Poult Sci** 1986 Jan;65(1):106–13
Uptake of transcobalamin II–bound cobalamin by isolated rat kidney tubule cells. Lindemans J, et al.
Scand J Clin Lab Invest 1986 May;46(3):223–32
Cobalamin absorption determined by the stool spot test. Reliability in patients with uremia or disorders of the ileum. Hansen PK, et al. **Scand J Gastroenterol** 1986 Apr; 21(3):341–7
[Interaction between nitrous oxide and vitamin B12] Kroes AC, et al. **Ned Tijdschr Geneeskd** 1985 Nov 23; 129(47):2243–7 **(Dut)**
[Kinetics of 57Co–cyanocobalamin distribution in the organs and tissues of mice with transplanted tumors] Vares IuV, et al. **Eksp Onkol** 1986;8(3):33–6 (Eng. Abstr.) **(Rus)**
[Cobalamins in normal and pathological states (review)] Tsukerman ES, et al. **Vopr Med Khim** 1985 Sep–Oct; 31(5):7–17 (60 ref.) (Eng. Abstr.) **(Rus)**
[Effect of dietotherapy incorporating koumiss and shubat on vitamin B12 absorption in the intestines and on its content in the blood of chronic enterocolitis patients] Zhangabylov Ak, et al. **Vopr Pitan** 1986 Mar–Apr;(2):16–8 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Influence of vitamin B1, B6, and B12 on the control of fine motoric movements. Bonke D. **Bibl Nutr Dieta** 1986; (38):104–9
Population-dependent requirements of vitamin B12 and metabolically related substances of several mouse cell types in serum-free, albumin-fortified medium. Matsuya Y, et al. **Cell Struct Funct** 1986 Mar;11(1):9–19
Vitamin B12 and monensin effects on performance, liver and serum vitamin B12 concentrations and activity of propionate metabolizing hepatic enzymes in feedlot lambs. Daugherty MS, et al. **J Anim Sci** 1986 Feb;62(2):452–63
Activation of the methylreductase system from Methanobacterium bryantii by corrins. Whitman WB, et al. **J Bacteriol** 1985 Oct;164(1):165–72
Vitamin B12 requirement for the growth of Trichomonas vaginalis in vitro. Hollander DH, et al. **J Parasitol** 1985 Oct;71(5):683–4
Some vitamin B12- and selenium-dependent enzymes. Stadtman TC. **Trans NY Acad Sci** 1983;41:233–6
[Vitamin B12 plays an important role in biosynthesis of chuangxinmycin] Zhou XZ, et al.
Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao 1984 Apr; 6(2):109–11 (Eng. Abstr.) **(Chi)**
[Effects of a combination of phosphoserine, glutamine and vitamin B12 on the psychophysical activity of high school students] Di Naro C, et al. **Clin Ter** 1985 Aug 15; 114(3):225–31 (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

Clinical chemistry of vitamin B12. Davis RE.
Adv Clin Chem 1985;24:163–216 (276 ref.)

STANDARDS

British standard for human serum vitamin B12. Curtis AD, et al. **Clin Lab Haematol** 1986;8(2):135–47
[Cyanocobalamin Reference Standard (Control 841) of the National Institute of Hygienic Sciences] Ohta M, et al.
Eisei Shikenjo Hokoku 1985;(103):121–3 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Transcobalamin II deficiency and oral cobalamin therapy [letter] Carmel R. **Blood** 1986 May;67(5):1522–3
Vitamin B12 and folic acid in preschool anemia. Singla PN, et al. **Indian Pediatr** 1985 Jan;22(1):27–33
Recovery of VEP delay in patients with vitamin B12 deficiency. Onofrj M, et al. **Ital J Neurol Sci** 1985 Dec; 6(4):491–3
Pernicious anemia in the demented patient without anemia or macrocytosis. A case for early recognition. Gross JS, et al. **J Am Geriatr Soc** 1986 Aug;34(8):612–4
Immunoglobulin deficiency responding to vitamin B12 in two elderly patients with megaloblastic anaemia. Kafetz K.
Postgrad Med J 1985 Dec;61(722):1065–6
[Treatment of oligoasthenozoospermia with vitamin B12] Nalbanski B, et al. **Akush Ginekol (Sofiia)** 1986;25(3):71–4 (Eng. Abstr.) **(Bul)**

TOXICITY

[Toxicological research on a protein–vitamin B12 concentrate in broiler chicks] Donev B, et al. **Vet Med Nauki** 1985; 22(7):70–5 (Eng. Abstr.) **(Bul)**

URINE

Cobalamin–binding proteins in human urine: identification and quantitation. Wahlstedt V, et al. **J Lab Clin Med** 1985 Oct;106(4):439–46

VITAMIN B 12 COENZYMES see COBAMIDES

VITAMIN B 12 DEFICIENCY

BLOOD

Assay of methylmalonic acid in the serum of patients with cobalamin deficiency using capillary gas chromatography–mass spectrometry. Stabler SP, et al.
J Clin Invest 1986 May;77(5):1606–12
Vitamin B12 deficiency and the dexamethasone suppression test. James SP, et al. **J Nerv Ment Dis** 1986 Sep; 174(9):560–1

COMPLICATIONS

B12 deficiency in presenile dementia [letter] Abalan F, et al. **Biol Psychiatry** 1985 Nov;20(11):1251
Megaloblastic anaemia due to vitamin B12 deficiency caused by small intestinal bacterial overgrowth: possible role of vitamin B12 analogues. Murphy MF, et al.
Br J Haematol 1986 Jan;62(1):7–12
Gaucher's disease: a case report with coincidental vitamin B12 deficiency anaemia. Coyne JD, et al. **Ir Med J** 1985 Sep;78(9):254–5
Pernicious anemia in the demented patient without anemia or macrocytosis. A case for early recognition. Gross JS, et al. **J Am Geriatr Soc** 1986 Aug;34(8):612–4
Is nitrous oxide a dangerous anesthetic for vitamin B12–deficient subjects? [letter] Koblin DD, et al.
JAMA 1986 Aug 8;256(6):716
Is nitrous oxide a dangerous anesthetic for vitamin B12–deficient subjects? Schilling RF. **JAMA** 1986 Mar 28; 255(12):1605–6
[A preventable neurological disease picture] Carpentier PJ, et al. **Ned Tijdschr Geneeskd** 1986 Jan 11;130(2):51–3 **(Dut)**

DIAGNOSIS

Physician response to low serum cobalamin levels. Carmel R, et al. **Arch Intern Med** 1986 Jun;146(6):1161–5
Developmental regression as an early manifestation of vitamin B12 deficiency. Sadowitz PD, et al.
Clin Pediatr (Phila) 1986 Jul;25(7):369–71
Vitamin B12 deficiency in the nonanemic elderly [letter] Wieland RG. **J Am Geriatr Soc** 1986 Aug;34(8):618
Recognition of deficiency of vitamin B12 using measurement of serum concentration. Cooper BA, et al.
J Lab Clin Med 1986 May;107(5):447–52
Laboratory tests in the diagnosis of vitamin B12 (cobalamin) deficiency. Matchar DB, et al. **NC Med J** 1986 Mar; 47(3):118–20
Vitamin B12 deficiency [letter] Palmer JG. **NC Med J** 1986 Jun;47(6):325–6
Use of the deoxyuridine suppression test to evaluate vitamin B12 and folate status. Town GI, et al. **NZ Med J** 1986 Aug 27;99(808):633–5

DRUG THERAPY

Vitamin B12 and folic acid in preschool anemia. Singla PN, et al. **Indian Pediatr** 1985 Jan;22(1):27–33
Recovery of VEP delay in patients with vitamin B12 deficiency. Onofrj M, et al. **Ital J Neurol Sci** 1985 Dec; 6(4):491–3

ENZYMOLOGY

Effect of nitrous oxide inactivation of vitamin B12 on the levels of folate coenzymes in rat bone marrow, kidney, brain, and liver. Wilson SD, et al.
Arch Biochem Biophys 1986 Jan;244(1):248–53

ETIOLOGY

Vitamin B12 deficiency in cystic fibrosis [letter] Simpson RM, et al. **Acta Paediatr Scand** 1985 Sep;74(5):794–6

Vitamin B12, folate, and iron studies in homozygous beta thalassemia. Kumar R, et al. **Am J Clin Pathol** 1985 Nov; 84(5):668–71

Giardia infection causes vitamin B12 deficiency. Cordingley FT, et al. **Aust NZ J Med** 1986 Feb;16(1):78–9

Vitamin B 12 deficiency in the elderly. Crantz JG. **Clin Geriatr Med** 1985 Nov;1(4):701–10

Nutritional vitamin B12 deficiency in a breast-fed infant of a vegan-diet mother. Sklar R. **Clin Pediatr (Phila)** 1986 Apr;25(4):219–21

[Raw spiced fish as an indirect cause of severe anemia and weight loss] Berglund L, et al. **Lakartidningen** 1986 Feb 12;83(7):496 (Swe)

METABOLISM

Turnover of the methyl moiety of 5-methyltetrahydropteroylglutamic acid in the cobalamin-inactivated rat. Lumb M, et al. **Blood** 1985 Nov; 66(5):1171–5

Plasma amino acids and tissue methionine levels in fruit bats (Rousettus aegyptiacus) with nitrous oxide-induced vitamin B12 deficiency. van der Westhuyzen J, et al. **Br J Nutr** 1985 May;53(3):657–62

Tissue vitamin B12 levels in bat sucklings (Rousettus aegyptiacus) born of vitamin B12 deficient mothers. van der Westhuyzen J. **Comp Biochem Physiol [B]** 1986; 83(2):301–3

Nitrous oxide induced vitamin B12 deficiency: measurement of methylation reactions in the fruit bat (Rousettus aegyptiacus). McLoughlin JL, et al. **Int J Biochem** 1986; 18(2):199–202

Vitamin B12 neuropathy is not due to failure to methylate myelin basic protein. Deacon R, et al. **J Neurol Sci** 1986 Jan;72(1):113–7

Methionine partially corrects the impaired deoxyribonucleic acid synthesis of B12-deficient megaloblastic bone marrow cells at low concentration. Karasawa M, et al. **Jpn J Med** 1986 May;25(2):155–61

[Cobalamins in normal and pathological states (review)] Tsukerman ES, et al. **Vopr Med Khim** 1985 Sep–Oct; 31(5):7–17 (60 ref.) (Eng. Abstr.) (Rus)

VITAMIN B COMPLEX

ADMINISTRATION & DOSAGE

Evaluation of some vitamin B-complex nutriture in Ile-Ife and environs (Nigeria). Fashakin JB, et al. **Int J Vitam Nutr Res** 1986;56(1):79–84

[Laboratory evaluation of the nutritive value of average daily diets of selected population groups in Poland. VI. Levels of group B vitamins] Nadolna I, et al. **Rocz Panstw Zakl Hig** 1985;36(3):228–34 (Eng. Abstr.) (Pol)

[Treatment of patients with sensorineural hearing loss with sansurdal] Antokhil IN, et al. **Vestn Otorinolaringol** 1986 Mar–Apr;(2):66–7 (Rus)

BIOSYNTHESIS

Production of B-group vitamins by bacteria isolated from soil, rhizosphere, and mycorrhizosphere of pine (Pinus sylvestris L.). Strzelczyk E, et al. **Zentralbl Mikrobiol** 1985; 140(4):293–301

BLOOD

The plasma and red cell vitamin B levels of chronic hemodialysis patients: a longitudinal study. Ramirez G, et al. **Nephron** 1986;42(1):41–6

DIAGNOSTIC USE

A new two-dimensional contrast echocardiography using vitamin B, C complex. Lin CS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Jan;85(1):30–6

PHARMACODYNAMICS

Effect of long-term diet enrichment with selenium, vitamin E and vitamin B15 on the degree of fatty infiltration of the liver. Ziemlański S, et al. **Acta Physiol Pol** 1984 Jul–Aug;35(4):382–97

B complex vitamins activate rat guanylate cyclase and increase cyclic GMP levels. Vesely DL. **Eur J Clin Invest** 1985 Oct;15(5):258–62

[Effect of vitamins of the B group on the accumulation of complex antigens of dysentery bacteria in the process of deep cultivation] Kasianova IIu, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Sep;(9):114–5 (Rus)

THERAPEUTIC USE

Lactobacillus acidophillus and vitamin B complex in the treatment of vaginal infection. Friedlander A, et al. **Pasminerva Med** 1986 Jan–Mar;28(1):51–3

[Value of different drugs in the prevention of abnormalities] Schubert J. **Zahn Mund Kieferheilkd** 1986;74(1):43–6 (Eng. Abstr.) (Ger)

[Use of a combination containing the coenzymes of vitamins B1, B6 and B12 in support therapy of alcoholic hepatopathy] Piperno A, et al. **Clin Ter** 1986 Jan 15; 116(1):13–8 (Eng. Abstr.) (Ita)

[Polyunsaturated phosphatidylcholine in association with vitamin B complex in the treatment of acute viral hepatitis B. Results of a randomized double-blind clinical study] Visco G. **Clin Ter** 1985 Aug 15;114(3):183–8 (Eng. Abstr.) (Ita)

[Longitudinal electrophysiologic study of alcoholic neuropathy with and without drug therapy] Pittaro I, et al. **Riv Neurobiol** 1984 Apr–Sep;30(2–3):403–8 (Eng. Abstr.) (Ita)

[Treatment of patients with sensorineural hearing loss with sansurdal] Antokhil IN, et al. **Vestn Otorinolaringol** 1986 Mar–Apr;(2):66–7 (Rus)

[Effect of the B-group vitamin complex on the blood content of saturated and unsaturated fatty acids in patients with ischemic heart disease and hypertension] Vodoevich VP, et al. **Vopr Pitan** 1986 Mar–Apr;(2):9–11 (Eng. Abstr.) (Rus)

[Bile secretion in chronic cholecystitis patients undergoing intragastric oxygen therapy combined with vitamin B15] Miagkov II, et al. **Vrach Delo** 1985 Aug;(8):74–7 (Eng. Abstr.) (Rus)

VITAMIN B DEFICIENCY

COMPLICATIONS

Chelation in metal intoxication XXI: Chelation in lead intoxication during vitamin B complex deficiency. Tandon SK, et al. **Bull Environ Contam Toxicol** 1986 Sep; 37(3):317–25

Nutritional amblyopia in a patient with Crohn's disease [letter] Iansek R, et al. **J Neurol Neurosurg Psychiatry** 1985 Dec;48(12):1307–8

[Sjögren's syndrome, a manifestation of vitamin B complex deficiency. Statistical study of 98 cases in 17 years] Altamar Ríos J. **An Otorrinolaringol Ibero Am** 1985;12(5):443–57 (Eng. Abstr.) (Spa)

DRUG THERAPY

Overtreating the deficiency anemias. Crosby WH. **Arch Intern Med** 1986 Apr;146(4):779

OCCURRENCE

Evaluation of some vitamin B-complex nutriture in Ile-Ife and environs (Nigeria). Fashakin JB, et al. **Int J Vitam Nutr Res** 1986;56(1):79–84

VITAMIN B T see CARNITINE

VITAMIN B12-BINDING PROTEINS see TRANSCOBALAMINS

VITAMIN C see ASCORBIC ACID

VITAMIN D

ADMINISTRATION & DOSAGE

Vitamin D status of children and adolescents in Finland. Lamberg-Allardt C, et al. **Ann Nutr Metab** 1986; 30(4):267–72

Vitamin D supplementation in pregnancy: a controlled trial of two methods. Mallet E, et al. **Obstet Gynecol** 1986 Sep; 68(3):300–4

[Prevention and treatment of rickets caused by vitamin D deficiency. Directives of the Institute of Mother and Child] Szotowa W, et al. **Pediatr Pol** 1985 Apr;60(4):333–5 (Pol)

[Intensity of tissue respiration of the arterial and venous walls in hypervitaminosis D] Ataman AV. **Patol Fiziol Eksp Ter** 1986 Jan–Feb;(1):61–3 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Vitamin D supplementation [letter] Singh RB. **J Assoc Physicians India** 1985 Nov;33(11):751–2

Vitamin D resistance and magnesium [letter] Durlach J. **Postgrad Med J** 1986 Mar;62(725):239

ANALOGS & DERIVATIVES

Biologicals for cancer treatment: growth and differentiating agents. Moore MA. **Hosp Pract [Off]** 1986 Feb 15; 21(2):69–80

ANALYSIS

Effect of race and diet on human-milk vitamin D and 25-hydroxyvitamin D. Specker BL, et al. **Am J Dis Child** 1985 Nov;139(11):1134–7

Linking low dispersion liquid chromatography with diode-array detection for the sensitive and selective determination of vitamins A, D, and E. Mulholland M. **Analyst** 1986 Jun;111(6):601–4

Analysis of fat-soluble vitamins. XXIX. Liquid chromatographic determination of vitamin D in AD concentrates: collaborative study. de Vries EJ, et al. **J Assoc Off Anal Chem** 1985 Sep–Oct;68(5):822–5

Relationships among vitamin D, 25-hydroxyvitamin D, and vitamin D-binding protein concentrations in the plasma and milk of human subjects. Hollis BW, et al. **J Clin Endocrinol Metab** 1986 Jan;62(1):41–4

BIOSYNTHESIS

Environmental light: effects on vitamin D synthesis and calcium metabolism in humans. Neer RM. **Ann NY Acad Sci** 1985;453:14–20

BLOOD

Serum concentrations of vitamin D metabolites in vitamin D supplemented pregnant women. A longitudinal study. Markestad T, et al. **Acta Obstet Gynecol Scand** 1986; 65(1):63–7

Interrelationships between circulating vitamin D metabolites in normocalciuric and hypercalciuric renal stone formers. Gascon-Barré M, et al. **Ann Nutr Metab** 1985;29(5):289–96

Parathyroid glands, calcium, and vitamin D in experimental fluorosis in pigs. Andersen L, et al. **Calcif Tissue Int** 1986 Apr;38(4):222–6

Serum vitamin D metabolites are not related to growth rate, bone mineral content, or serum alkaline phosphatase in male puberty. Krabbe S, et al. **Calcif Tissue Int** 1986 Mar; 38(3):127–9

Improved radioimmunoassay for vitamin D and its use in assessing vitamin D status. Hollis BW, et al. **Clin Chem** 1985 Nov;31(11):1815–9

Vitamin D metabolites and their binding protein in adult diabetic patients. Nyomba BL, et al. **Diabetes** 1986 Aug; 35(8):911–5

Plasma concentrations of vitamin D metabolites during puberty of diabetic children. Rødland O, et al. **Diabetologia** 1985 Sep;28(9):663–6

Serum levels of vitamin D metabolites, calcium, phosphorus, magnesium and alkaline phosphatase in Finnish women throughout pregnancy and in cord serum at delivery. Kuoppala T, et al. **Hum Nutr Clin Nutr** 1986 Jul; 40(4):287–93

Serum levels of vitamin D metabolites and testosterone in male puberty. Krabbe S, et al. **J Clin Endocrinol Metab** 1986 Mar;62(3):503–7

Osteopenia and circulating levels of vitamin D metabolites in diabetes mellitus. Imura H, et al. **J Nutr Sci Vitaminol (Tokyo)** 1985 Dec;31 Suppl:S27–32

Calcium-regulating hormones and minerals from birth to 18 months of age: a cross-sectional study. I. Effects of sex, race, age, season, and diet on vitamin D status. Lichtenstein P, et al. **Pediatrics** 1986 Jun;77(6):883–90

Survey of vitamin D metabolite levels during growth and development in Japanese quail. Paulson SK, et al. **Poult Sci** 1985 Oct;64(10):2004–6

[Hyena disease of cattle—a review] Renner JE. **DTW** 1985 Oct 8;92(10):433–4 (Eng. Abstr.) (Ger)

[Effect of bile on intestinal calcium and vitamin D absorption. Animal experiment studies in swine] Braun F. **Wien Klin Wochenschr [Suppl]** 1986;166:1–23 (Eng. Abstr.) (Ger)

[Effect of aging on bone mineral contents. Part IV: Normal range and physiological importance of serum vitamin D metabolites and parathyroid hormone (PTH) levels in healthy aged females] Shiraki M, et al. **Nippon Ronen Igakkai Zasshi** 1985 Sep;22(5):420–5 (Eng. Abstr.) (Jpn)

[Nephrogenous cyclic AMP, plasma vitamin D metabolites and the Ellsworth-Howard test using human PTH(1–34)] Furukawa Y. **Rinsho Byori** 1985 May;33(5):500–3 (Jpn)

HISTORY

Nutrition classics. Nature, Volume 244, August 10, 1973: Vitamin D-like action of Solanum malacoxylon on calcium transport by rat intestine. By J.M. O'Donnell and M.W. Smith. **Nutr Rev** 1986 Jan;44(1):16–8

ISOLATION & PURIFICATION

Solid phase extraction system for vitamin D and its major metabolites in human plasma. Hollis BW, et al. **J Chromatogr** 1985 Sep 13;343(1):43–9

METABOLISM

Vitamin D metabolites in generalized scleroderma. Evidence of a normal cutaneous and intestinal supply with vitamin D. Serup J, et al. **Acta Derm Venereol (Stockh)** 1985; 65(4):343–5

Insolation effect on vitamin D supply in children during sanatorium treatment. Cieślukowski Z, et al. **Acta Physiol Pol** 1984 Jul–Aug;35(4):373–81

Vitamin D absorption in healthy subjects and in patients with intestinal malabsorption syndromes. Lo CW, et al. **Am J Clin Nutr** 1985 Oct;42(4):644–9

Parameters related to 25-OH-D levels in a population-based study of women. Sowers MR, et al. **Am J Clin Nutr** 1986 Apr;43(4):621–8

Race, breast milk, and vitamin D [letter] Ozsoylu S. **Am J Dis Child** 1986 Jun;140(6):506

Renal osteodystrophy in children: the role of vitamin D, phosphorus, and parathyroid hormone. Chesney RW, et al. **Am J Kidney Dis** 1986 Apr;7(4):275–84 (46 ref.)

The photobiology of vitamin D and its consequences for humans. Holick MF. **Ann NY Acad Sci** 1985;453:1–13

Effects of elevated lead and cadmium burdens on renal

function and calcium metabolism. Greenberg A, et al. **Arch Environ Health** 1986 Mar–Apr;41(2):69–76

A role for the cytoskeleton in renal vitamin D metabolism. Taft JL, et al. **Biochem Biophys Res Commun** 1986 Jan 14;134(1):218–26

Metabolism of vitamin D in patients with primary biliary cirrhosis and alcoholic liver disease. Mawer EB, et al. **Clin Sci** 1985 Nov;69(5):561–70

Vitamin D and bone mineral homeostasis during pregnancy in the diabetic BB rat. Verhaeghe J, et al. **Endocrinology** 1986 Mar;118(3):1019–25

Calcium metabolism in sarcoidosis. A follow–up study with respect to parathyroid hormone and vitamin D metabolites. Alberts C, et al. **Eur J Respir Dis** 1986 Mar;68(3):186–94

Vitamin D status in Crohn's disease: association with nutrition and disease activity. Harries AD, et al. **Gut** 1985 Nov;26(11):1197–203

Vitamin D and cyclic nucleotide changes in response to calcitonin in man. Nishi Y, et al. **Hiroshima J Med Sci** 1985 Sep;34(3):277–80

Factors associated with the biochemical changes in vitamin D and calcium metabolism in institutionalized patients with epilepsy. Gough H, et al. **Ir J Med Sci** 1986 Jun; 155(6):181–9

Seasonal variation in serum levels of vitamin D metabolites and parathormone in geriatric patients with fractures in Southern Israel. Meller Y, et al. **Isr J Med Sci** 1986 Jan; 22(1):8–11

Influence of chronic ethanol consumption on the metabolism and action of vitamin D. Gascon–Barré M. **J Am Coll Nutr** 1985;4(5):565–74 (77 ref.)

Serum vitamin D2 and vitamin D3 metabolite concentrations and absorption of vitamin D2 in elderly subjects. Clemens TL, et al. **J Clin Endocrinol Metab** 1986 Sep;63(3):656–60

Abnormal vitamin D metabolism, intestinal calcium transport, and bone calcium status in the spontaneously hypertensive rat compared with its genetic control. Lucas PA, et al. **J Clin Invest** 1986 Jul;78(1):221–7

Effects of dietary vitamin D3 on concentrations of vitamin D and its metabolites in blood plasma and milk of diary cows. McDermott CM, et al. **J Dairy Sci** 1985 Aug; 68(8):1959–67

Relationship between the vitamin D content of maternal milk and the vitamin D status of nursing women and breast–fed infants. Cancela L, et al. **J Endocrinol** 1986 Jul;110(1):43–50

Calcium and vitamin D metabolism in children with nephrotic syndrome. Freundlich M, et al. **J Pediatr** 1986 Mar;108(3):383–7

Metabolism and sites of action of vitamin D in the kidney. Kawashima H, et al. **Kidney Int** 1986 Jan;29(1):98–107 (109 ref.)

The relationship between bone apposition rate and vitamin D activity in phosphate–deficient rats. Harrison JE, et al. **Metabolism** 1986 Feb;35(2):126–9

Isolation and identification of vitamin D metabolites. Napoli JL, et al. **Methods Enzymol** 1986;123:127–40

A comparative study of the relative influence of different anticonvulsant drugs, UV exposure and diet on vitamin D and calcium metabolism in out–patients with epilepsy. Gough H, et al. **Q J Med** 1986 Jun;59(230):569–77

[Vitamin D: metabolism and biological properties] Fournier A, et al. **Ann Med Interne (Paris)** 1985;136(2):154–63 (41 ref.) **(Fre)**

[Hypercalcemia in granulomatous diseases: a dysfunction of vitamin D metabolism] Benhamou CL. **Presse Med** 1985 Sep 28;14(32):1689–90 **(Fre)**

[Vitamin D metabolites and their transport in the body] Bouillon R, et al. **Rev Med Brux** 1986 Jan;7(1):15–21 (Eng. Abstr.) **(Fre)**

[Hereditary disorders of vitamin D metabolism] Kruse K. **Ergeb Inn Med Kinderheilkd** 1986;54:107–54 **(Ger)**

[Vitamin D metabolism in the body] Lorenc R. **Pediatr Pol** 1985 Apr;60(4):336–43 **(Pol)**

PHARMACODYNAMICS

Intestinal phosphate absorption: influence of vitamin D and non–vitamin D factors. Lee DB, et al. **Am J Physiol** 1986 Mar;250(3 Pt 1):G369–73

Effect of dietary mineral and vitamin D content and parathyroidectomy on the plasma disappearance rate of 1,25–dihydroxyvitamin D3 in rats. Paulson SK, et al. **Biopharm Drug Dispos** 1985 Oct–Dec;6(4):359–72

Avian medullary bone in organ culture: effects of vitamin D metabolites on collagen synthesis. Harrison JR, et al. **Calcif Tissue Int** 1986 Jul;39(1):35–43

Effect of triiodothyronine on intestinal and kidney isoenzymes of alkaline phosphatase and on vitamin D metabolism in adult female rats. Colston K, et al. **Comp Biochem Physiol [B]** 1986;83(3):681–4

The effect of vitamin D on bone in vivo. Tam CS, et al. **Endocrinology** 1986 Jun;118(6):2217–24

(Ca2+ + Mg2+)–ATPase activity in plasma membrane of circulating mononuclear cells. Lack of a direct effect of vitamin D. Morimoto S, et al. **J Biol Chem** 1985 Dec 5; 260(28):14953–7

Effect of vitamin D metabolites on bone metabolism in a rat model of postmenopausal osteoporosis. Matsumoto T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1985 Dec;31 Suppl:S61–5 (16 ref.)

Effect of active vitamin D3 on age–related immunological changes. Nakao Y, et al. **J Nutr Sci Vitaminol (Tokyo)** 1985 Dec;31 Suppl:S49–57

[Absence of effect of vitamin D on intestinal phytase and alkaline phosphatase: relation with phytic phosphorus in the pig] Fontaine N, et al. **Reprod Nutr Dev** 1985; 25(4A):717–27 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

The metabolism and functions of vitamin D. DeLuca HF. **Adv Exp Med Biol** 1986;196:361–75 (77 ref.)

Role of vitamin D in neonatal skeletal development in rats. Mathews CH, et al. **Am J Physiol** 1986 Jun;250(6 Pt 1):E725–30

Vitamin D3 improves impaired glucose tolerance and insulin secretion in the vitamin D–deficient rat in vivo. Cade C, et al. **Endocrinology** 1986 Jul;119(1):84–90

The physiology and pathophysiology of vitamin D. Audran M, et al. **Mayo Clin Proc** 1985 Dec;60(12):851–66 (222 ref.)

The vitamin D endocrine system. Norman AW. **Physiologist** 1985 Aug;28(4):219–32

Vitamin D, phagocyte differentiation and immune function. Gray TK, et al. **Surv Immunol Res** 1985;4(3):200–12 (81 ref.)

[New viewpoints on the role of vitamin D. Current knowledge and outlook] Merke J, et al. **Dtsch Med Wochenschr** 1986 Feb 28;111(9):345–9 (70 ref.) **(Ger)**

POISONING

A computerized histomorphometric study of the effects of intoxication with vitamin D3 or 1,25 (OH)2D3 on growth and dentin production of impeded and unimpeded rat incisors. Weinreb M Jr, et al. **Virchows Arch [A]** 1986; 409(4):507–21

THERAPEUTIC USE

Vitamin D prophylaxis in the elderly: a simple effective method suitable for large populations. Davies M, et al. **Age Ageing** 1985 Nov;14(6):349–54

Vitamin D supplementation during pregnancy: effect on neonatal calcium homeostasis. Delvin EE, et al. **J Pediatr** 1986 Aug;109(2):328–34

The effect of vitamin D on the B–cell activity of the endocrine pancreas. Harmeyer J, et al. **Zentralbl Veterinarmed [A]** 1985 Sep;32(8):606–15

[Vitamin D and its therapeutic use] Fournier A, et al. **Ann Med Interne (Paris)** 1985;136(2):164–79 (70 ref.) **(Fre)**

VITAMIN D 2 see **ERGOCALCIFEROL**

VITAMIN D 3 see **CHOLECALCIFEROLS**

VITAMIN D BINDING GLOBULIN see **VITAMIN D–BINDING PROTEIN**

VITAMIN D–BINDING PROTEIN

Complete amino acid sequence of human vitamin D–binding protein (group–specific component): evidence of a three–fold internal homology as in serum albumin and alpha–fetoprotein. Schoentgen F, et al. **Biochim Biophys Acta** 1986 Jun 5;871(2):189–98

The amino acid sequence of the NH2–terminal portion of rat and human vitamin D binding protein: evidence for a high degree of homology between rat and human vitamin D binding protein. Litwiller R, et al. **Life Sci** 1986 Jun 16;38(24):2179–84

ANALYSIS

Rat vitamin D binding protein. Determination of the full–length primary structure from cloned cDNA. Cooke NE. **J Biol Chem** 1986 Mar 5;261(7):3441–50

Relationships among vitamin D, 25–hydroxyvitamin D, and vitamin D–binding protein concentrations in the plasma and milk of human subjects. Hollis BW, et al. **J Clin Endocrinol Metab** 1986 Jan;62(1):41–4

BLOOD

Distribution of Gc protein (vitamin D binding protein) on the surfaces of normal human lymphocytes and leukemic lymphocytes. Machii T, et al. **Acta Haematol (Basel)** 1986; 75(1):26–9

Purification of vitamin D binding proteins (group–specific components) in human plasma using a chromatofocusing method. Masuda S, et al. **Chem Pharm Bull (Tokyo)** 1985 Nov;33(11):4944–9

Accurate quantitation of native Gc in serum and estimation of endogenous Gc: G–actin complexes by rocket immunoelectrophoresis. Goldschmidt–Clermont PJ, et al. **Clin Chim Acta** 1985 Jun 14;148(3):173–83

Purification of vitamin D binding protein from human plasma using high performance liquid chromatography. Taylor GA, et al. **Clin Chim Acta** 1986 Feb 28;155(1):31–41

Vitamin D metabolites and their binding protein in adult diabetic patients. Nyomba BL, et al. **Diabetes** 1986 Aug; 35(8):911–5

Plasma concentrations of vitamin D metabolites during puberty of diabetic children. Rødland O, et al. **Diabetologia** 1985 Sep;28(9):663–6

Assessment of the free fraction of 25–hydroxyvitamin D in serum and its regulation by albumin and the vitamin D–binding protein. Bikle DD, et al. **J Clin Endocrinol Metab** 1986 Oct;63(4):954–9

Free 25–hydroxyvitamin D levels are normal in subjects with liver disease and reduced total 25–hydroxyvitamin D levels. Bikle DD, et al. **J Clin Invest** 1986 Sep;78(3):748–52

Role of plasma gelsolin and the vitamin D–binding protein in clearing actin from the circulation. Lind SE, et al. **J Clin Invest** 1986 Sep;78(3):736–42

Transcortin and vitamin D–binding protein levels in mouse serum. Faict D, et al. **J Endocrinol** 1986 May;109(2):141–7

Ontogeny and oestradiol dependence of vitamin D–binding protein blood levels in chickens. Nys Y, et al. **J Endocrinol** 1986 Jan;108(1):81–7

Seasonal differences in serum vitamin D binding protein in exclusively breast–fed infants: negative relationship to sunshine exposure and 25–hydroxyvitamin D. Specker BL, et al. **J Pediatr Gastroenterol Nutr** 1986 Mar–Apr; 5(2):290–4

Crystallization and preliminary X–ray analysis of the vitamin D–binding protein from human serum. Koszelak S, et al. **J Steroid Biochem** 1985 Dec;23(6A):1077–8

Calcium–regulating hormones and minerals from birth to 18 months of age: a cross–sectional study. I. Effects of sex, race, age, season, and diet on vitamin D status. Lichtenstein P, et al. **Pediatrics** 1986 Jun;77(6):883–90

[Transport of cholecalciferol (vitamin D3) and its metabolites in the blood circulation. Plasma binding protein of vitamin D3 and its metabolites] Lang BA. **Vaitr Lek** 1986 Apr; 32(4):408–12 (Eng. Abstr.) **(Cze)**

GENETICS

Population genetic studies of PI, Tf, Gc and PGM1 subtypes among various caste groups in North India. Kamboh MI. **Acta Anthropogenet** 1984;8(3–4):159–79

Population distribution of the human vitamin D binding protein: anthropological considerations. Constans J, et al. **Am J Phys Anthropol** 1985 Sep;68(1):107–22

Evolutionary conservation of the linkage between the structural loci for serum albumin and vitamin D binding protein (Gc) in cattle. Bouquet Y, et al. **Anim Genet** 1986; 17(2):175–82

Antitrypsin and Gc polymorphisms in some populations of Congo: an unusual, highly frequent mutant, PIS, in Bateke and Babenga. Pascali VL, et al. **Ann Hum Biol** 1986 May–Jun;13(3):267–71

Chromosomal localization of group–specific component by in situ hybridization. McCombs JL, et al. **Cytogenet Cell Genet** 1986;42(1–2):62–4

Close linkage of MT2P1 with GC on chromosome 4. Pakstis AJ, et al. **Cytogenet Cell Genet** 1986;41(3):189–90

Vitamin D–binding protein in the perinatal period. Auconi P, et al. **Eur J Pediatr** 1985 Sep;144(3):228–9

Progress toward resolving the possible linkage of multiple endocrine neoplasia type 2A to haptoglobin and group–specific loci: use of restriction fragment length polymorphisms extends exclusion region. Kidd KK, et al. **Genet Epidemiol** 1986;3(3):195–200

Direct regional assignment of the gene for vitamin D binding protein (Gc–globulin) to human chromosome 4q11–q13 and identification of an associated DNA polymorphism. Cooke NE, et al. **Hum Genet** 1986 Jul;73(3):225–9

Ethnic variation in vitamin D–binding protein (GC): a review of isoelectric focusing studies in human populations. Kamboh MI, et al. **Hum Genet** 1986 Apr;72(4):281–93 (103 ref.)

GC subtypes and malignant melanoma. Fabb SA, et al. **Hum Hered** 1985;35(6):375–8

On the variability of Gc subtypes in Italy. Walter H, et al. **Hum Hered** 1986;36(1):50–3

Serum vitamin D–binding protein is a third member of the albumin and alpha fetoprotein gene family. Cooke NE, et al. **J Clin Invest** 1985 Dec;76(6):2420–4

Isoelectric focusing of vitamin D binding protein (Gc): genetic diversity in the populations of Iran. Papiha SS, et al. **Jikeikai Ika Zasshi** 1985 Jun;30(2):69–73

Evolutionary and structural relationships among the group–specific component, albumin and alpha–fetoprotein. Yang F, et al. **Nucleic Acids Res** 1985 Nov 25; 13(22):8007–17

Human group–specific component (Gc) is a member of the albumin family. Yang F, et al. **Proc Natl Acad Sci USA** 1985 Dec;82(23):7994–8

[The Gc system and vitiligo] Göring HD, et al. **Dermatol Monatsschr** 1986;172(5):294–6 **(Ger)**

[Vitamin D–binding protein in human plasma. Analysis of genetic variation] Cleve H. **Naturwissenschaften** 1985 Oct; 72(10):519–26 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Characterization of a monoclonal antibody to human serum vitamin D binding protein (Gc globulin): recognition of an epitope hidden in membranes of circulating monocytes. McLeod JF, et al. **Endocrinology** 1986 Jul;119(1):77–83

Monoclonal antibodies to human vitamin D–binding protein. Pierce EA, et al. **Proc Natl Acad Sci USA** 1985 Dec; 82(24):8429–33

ISOLATION & PURIFICATION

Chromatofocusing in the purification and separation of apo– and holo–(vitamin D–binding protein). Keenan MJ, et al. **Biochem J** 1985 Aug 1;229(3):669–74

Identification of a major endogenous substrate for phospholipid/Ca2+-dependent kinase in pancreatic acini as Gc (vitamin D-binding protein). Wooten MW, et al. **FEBS Lett** 1985 Oct 21;191(1):97-101

Characterization of purified group-specific components (Gc 1 and Gc 2 proteins) from human plasma. Kimura H, et al. **Nippon Hoigaku Zasshi** 1985 Apr;39(2):113-23

METABOLISM

Gc (vitamin D-binding protein) binds the 33.5 K tryptic fragment of actin. Goldschmidt-Clermont PJ, et al. **Life Sci** 1986 Feb 24;38(8):735-42

PHARMACODYNAMICS

Sequential binding of actin monomers to plasma gelsolin and its inhibition by vitamin D-binding protein. Janmey PA, et al. **Biochem Biophys Res Commun** 1986 Apr 14; 136(1):72-9

PHYSIOLOGY

Altered configuration of Gc on the plasma membrane of transformed and malignant human B lymphocytes. Nel AE, et al. **Clin Immunol Immunopathol** 1985 Nov;37(2):191-202

VITAMIN D DEFICIENCY

BLOOD

Seasonal changes in the biochemical indices of vitamin D deficiency in the elderly: a comparison of people in residential homes, long-stay wards and attending a day hospital. Davies M, et al. **Age Ageing** 1986 Mar;15(2):77-83

Effects of serum calcium and phosphorus on skeletal mineralization in vitamin D-deficient rats. Holtrop ME, et al. **Am J Physiol** 1986 Aug;251(2 Pt 1):E234-40

Effect of 1,25-dihydroxyvitamin D deficiency on the metabolic clearance rate of 1,25-dihydroxyvitamin D3: studies using pigs with vitamin D-dependent rickets type 1. Fox J, et al. **Clin Sci** 1985 Nov;69(5):549-52

Changes in the concentrations of parathyroid hormone and ionic calcium in the plasma of laying hens during the egg cycle in relation to dietary deficiencies of calcium and vitamin D. Singh R, et al. **Gen Comp Endocrinol** 1986 Jan; 61(1):20-8

Calcium and phosphorus metabolism in chronically vitamin D-deficient laboratory rabbits. Bourdeau JE, et al. **Miner Electrolyte Metab** 1986;12(3):176-85

Disorders of divalent ions and vitamin D metabolism in chronic alcoholism. Pitts TO, et al. **Recent Dev Alcohol** 1986;4:357-77

COMPLICATIONS

Osteomalacia in a night nurse. Kaplan FS, et al. **Clin Orthop** 1986 Apr;(205):216-21

In vivo bone mineral analysis throughout skeletal growth in rats: differences due to sex or vitamin D deficiency. Awbrey BJ, et al. **J Orthop Res** 1985;3(4):456-63

Osteomalacia caused by vitamin D deficiency in the aged [letter] Barzel US. **Mayo Clin Proc** 1986 Apr;61(4):303-4

A possible link between vitamin D deficiency and impaired host defence to Mycobacterium tuberculosis. Davies PD. **Tubercle** 1985 Dec;66(4):301-6

[Deficiency rickets in an adolescent girl] Benichou JJ, et al. **Arch Fr Pediatr** 1985 Jun-Jul;42(6):443-5 (Eng. Abstr.) (Fre)

[Osteomalacia after intestinal operations--therapeutic effect of calcitriol. Report of a case] Maire R, et al. **Schweiz Med Wochenschr** 1986 Mar 8;116(10):308-13 (Eng. Abstr.) (Ger)

[Early pseudo-deficiency or Prader's hypocalcemic familial type-I rickets] Bravo M, et al. **An Esp Pediatr** 1986 Aug; 25(2):121-4 (Spa)

DIAGNOSIS

[Hyperparathyroidism masked by osteomalacia. Is vitamin D administration in every case of osteomalacia problem-free?] Zuber M, et al. **Schweiz Med Wochenschr** 1986 May 10;116(19):642-7 (Eng. Abstr.) (Ger)

[Analysis of the validity of clinical diagnosis of deficiency rickets based on biochemical studies] Pronicka E, et al. **Pediatr Pol** 1985 Apr;60(4):273-9 (Eng. Abstr.) (Pol)

DRUG THERAPY

Biological activity of fluorine-substituted 1,25-dihydroxyvitamin D3 in rats, in chicken and in Japanese quails. Rambeck WA, et al. **Ann Nutr Metab** 1986; 30(1):9-14

Vitamin D3 3 beta sulfate has less biological activity than free vitamin D3 during pregnancy in rats. Cancela L, et al. **Biol Neonate** 1985;48(5):274-84

[Vitamin D deficiency rickets: single-dose therapy versus continuous therapy] Stögmann W, et al. **Padiatr Padol** 1985; 20(4):385-92 (Eng. Abstr.) (Ger)

ENZYMOLOGY

Effect of triiodothyronine on intestinal and kidney isoenzymes of alkaline phosphatase and on vitamin D metabolism in adult female rats. Colston K, et al. **Comp Biochem Physiol [B]** 1986;83(3):681-4

Protein kinase activity and protein kinase inhibitor in mouse kidney: effect of the X-linked Hyp mutation and vitamin D status. Tenenhouse HS, et al. **Endocrinology** 1985 Nov; 117(5):1719-26

FAMILIAL & GENETIC

Vitamin D deficiency in adult British Hindu Asians: a family disorder. Shaunak S, et al. **Br Med J [Clin Res]** 1985 Oct 26;291(6503):1166-8

Transient hyperphosphatasemia in a child with autosomal recessive vitamin D dependency. Cole DE. **Clin Chem** 1986 Jul;32(7):1418-9

Effect of age and the X-linked Hyp mutation on renal adaptation to vitamin D and calcium deficiency. Tenenhouse HS. **Comp Biochem Physiol [A]** 1985; 81(2):367-71

[Hereditary tyrosinemia and vitamin-dependent rickets in Saguenay. A genetic and demographic approach] Bouchard G, et al. **Union Med Can** 1985 Aug;114(8):633-6 (Eng. Abstr.) (Fre)

HISTORY

H.-I. Chu: pioneer clinical investigator of vitamin D deficiency and osteomalacia in China. A scientific and personal tribute. Parfitt AM. **Calcif Tissue Int** 1985 Jul; 37(4):335-9

METABOLISM

Adaptation of middle aged rats to long-term restriction of dietary vitamin D and calcium. Armbrecht HJ, et al. **Arch Biochem Biophys** 1985 Nov 1;242(2):464-9

Effect of vitamin D deficiency on the composition and in vitro labeling of rat kidney proteins. Mehra AS, et al. **Arch Biochem Biophys** 1985 Oct;242(1):269-82

End product inhibition of hepatic 25-hydroxyvitamin D production in the rat: specificity and kinetics. Milne ML, et al. **Arch Biochem Biophys** 1985 Nov 1;242(2):488-92

The renal mitochondrial metabolism of 25-hydroxyvitamin D-3: a possible role for phospholipids. Cunningham NS, et al. **Biochim Biophys Acta** 1986 May 2;881(3):480-8

Vitamin D metabolites stimulate phosphatidylcholine transfer to renal brush-border membranes. Kurnik BR, et al. **Biochim Biophys Acta** 1986 Jun 13;858(1):47-55

Influence of glucocorticoids on calcium absorption in different segments of the rat intestine. Yeh JK, et al. **Calcif Tissue Int** 1986 May;38(5):282-8

Regulation of renal vitamin D hydroxylase activity in vitamin D deficient rats. Warner M, et al. **Can J Physiol Pharmacol** 1985 Aug;63(8):978-82

Islet insulin release and net calcium retention in vitro in vitamin D-deficient rats. Chertow BS, et al. **Diabetes** 1986 Jul;35(7):771-5

Effects of vitamin D deficiency and repletion on insulin and glucagon secretion in man. Gedik O, et al. **Diabetologia** 1986 Mar;29(3):142-5

Pancreatic secretion in man with subclinical vitamin D deficiency. Nyomba BL, et al. **Diabetologia** 1986 Jan; 29(1):34-8

Vitamin D3 improves impaired glucose tolerance and insulin secretion in the vitamin D-deficient rat in vivo. Cade C, et al. **Endocrinology** 1986 Jul;119(1):84-90

Developmental changes in the responsiveness of rat kidney to vitamin D metabolites. Sömjen D, et al. **Endocrinology** 1986 Jan;118(1):354-9

Impaired parathyroid hormone-stimulated adenosine 3',5'-monophosphate release by isolated perfused bones obtained from vitamin D-deficient rats. Sugimoto T, et al. **Endocrinology** 1986 May;118(5):1808-13

The effect of vitamin D on bone in vivo. Tam CS, et al. **Endocrinology** 1986 Jun;118(6):2217-24

Effect of 1,25-dihydroxyvitamin D3 on insulin secretion: direct or mediated? Tanaka Y, et al. **Endocrinology** 1986 May;118(5):1971-6

The renal sensitivity for endogenous parathormone in patients with primary hyperparathyroidism, vitamin D deficiency and renal stones. v.d. Velden PC, et al. **Horm Metab Res** 1986 Jul;18(7):485-9

Characterization of 1,25-dihydroxyvitamin D3-dependent calcium uptake in isolated chick duodenal cells. Liang CT, et al. **J Membr Biol** 1986;90(2):145-56

OCCURRENCE

Vitamin-D-deficient rickets in Manitoba, 1972-84. Haworth JC, et al. **Can Med Assoc J** 1986 Feb 1;134(3):237-41

PATHOLOGY

Normal bone marrow adherent cell-conditioned medium corrects the impaired differentiation of cultured mononuclear phagocytes from vitamin D-deficient rats. Nakamura T, et al. **Calcif Tissue Int** 1986 Jan;38(1):33-7

PHYSIOPATHOLOGY

Effects of parathyroid hormone on puppies during development of Ca and vitamin D deficiency. Wong KM, et al. **Am J Physiol** 1985 Dec;249(6 Pt 1):E568-76

Vitamin D deficiency and the endocrine pancrease [letter] Dandona P, et al. **Diabetologia** 1986 Jul;29(7):468-9

Effect of ipriflavone on bone changes induced by calcium restricted, vitamin D deficient diet in rats. Takenaka M, et al. **Endocrinol Jpn** 1986 Feb;33(1):23-7

Deficiency in dietary vitamin D, not calcium, alters noradrenergic responsiveness in rat atria in vitro. Baksi SN, et al. **J Mol Cell Cardiol** 1986 Jul;18(7):653-6

[Vitamin D deficiency and hip fracture] Lips P, et al. **Tijdschr Gerontol Geriatr** 1985 Dec;16(6):239-45 (53 ref.) (Eng. Abstr.) (Dut)

[Influence of a calcium overload on the genital system of the male rat] Lassoued N. **Arch Inst Pasteur Tunis** 1985 Dec;62(4):375-84 (Eng. Abstr.) (Fre)

PREVENTION & CONTROL

Prophylaxis against vitamin D deficiency in the elderly by regular sunlight exposure. Reid IR, et al. **Age Ageing** 1986 Jan;15(1):35-40

Single oral high-dose vitamin D3 prophylaxis in the elderly. Weisman Y, et al. **J Am Geriatr Soc** 1986 Jul;34(7):515-8

[Comparative studies of calcium resorption modified by vitamin D2 and D3 in patients with chronic renal failure and dialysis patients] Fünfstück R, et al. **Z Urol Nephrol** 1986 Apr;79(5):287-94 (Eng. Abstr.) (Ger)

[Serum 25-hydroxyvitamin D3 levels in 3- and 6-month-old Warsaw infants receiving daily prophylactically vitamin D3 "Polfa"] Cabalska B, et al. **Pediatr Pol** 1985 Apr; 60(4):280-7 (Eng. Abstr.) (Pol)

[Prevention and treatment of rickets caused by vitamin D deficiency. Directives of the Institute of Mother and Child] Szotowa W, et al. **Pediatr Pol** 1985 Apr;60(4):333-5 (Pol)

[Experimental hypovitaminosis D in guinea pigs administered different amounts of vitamin C] Istayna OV. **Ukr Biokhim Zh** 1986 Mar-Apr;58(2):86-9 (Eng. Abstr.) (Rus)

VETERINARY

Phalangeal bone ash as an aid in diagnosing some nutritional causes of lameness in sheep. Mason RW, et al. **Aust Vet J** 1985 Oct;62(10):338-40

Pathology of vitamin D deficiency in growing turkeys. Hedstrom OR, et al. **Vet Pathol** 1986 Jul;23(4):485-98

VITAMIN DEFICIENCY see AVITAMINOSIS

VITAMIN E

Deuterium NMR study of the interaction of alpha-tocopherol with a phospholipid model membrane. Wassall SR, et al. **Biochemistry** 1986 Jan 28;25(2):319-26

Estimation of the location of natural alpha-tocopherol in lipid bilayers by 13C-NMR spectroscopy. Perly B, et al. **Biochim Biophys Acta** 1985 Sep 25;819(1):131-5

Calorimetric and infrared spectroscopic studies of the interaction of alpha-tocopherol and alpha-tocopheryl acetate with phospholipid vesicles. Villalain J, et al. **Eur J Biochem** 1986 Jul 1;158(1):141-7

Selenium and vitamin E stability in parenteral solutions. McGee CD, et al. **JPEN J Parenter Enteral Nutr** 1985 Sep-Oct;9(5):568-70

Quenching of triplet benzophenone by vitamins E and C and by sulfur containing amino acids and peptides. Encinas MV, et al. **Photochem Photobiol** 1985 Oct;42(4):347-52

Radiation-induced peroxidation of lipid dissolved in organic solvent and its inhibition by alpha-tocopherol and cepharanthine. Shiraishi N, et al. **Physiol Chem Phys Med NMR** 1985;17(3):243-6

Physical properties of vitamin E oil and silicone oil. Yoshizumi MO, et al. **Retina** 1985 Summer-Fall;5(3):163-7

[Interaction of alpha-tocopherol with free fatty acids. Spatial organization of the complex] Skrypin VI, et al. **Biull Eksp Biol Med** 1986 Jun;101(6):682-4 (Eng. Abstr.) (Rus)

ADMINISTRATION & DOSAGE

Biochemical effect of selenium and vitamin E/selenium administration on some trace elements in clinically normal suckling buffalo calves. Amer HA, et al. **Arch Exp Veterinarmed** 1985 Nov;39(6):847-51

Iron and copper levels in plasmas of suckling buffalo calves after prophylactic administration of selenium and vitamin E/selenium against nutritional muscular dystrophy. Amer HA, et al. **Arch Exp Veterinarmed** 1985 Nov;39(6):852-8

Vitamin E/selenium [letter] Sanders DE. **J Am Vet Med Assoc** 1986 Feb 1;188(3):227

Dietary vitamin E requirement for optimum immune responses in the rat. Bendich A, et al. **J Nutr** 1986 Apr; 116(4):675-81

Improved erythrocyte survival with combined vitamin E and selenium therapy in children with glucose-6-phosphate dehydrogenase deficiency and mild chronic hemolysis. Hafez M, et al. **J Pediatr** 1986 Apr;108(4):558-61

Vitamin E problems [letter] Friedman Z. **Pediatrics** 1986 Aug;78(2):376-7

Vitamin E--how much is too much? Lemons JA, et al. **Pediatrics** 1985 Oct;76(4):625-7

Dietary supplementation with vitamin E in hyperlipoproteinemias: effects on plasma lipid peroxides, antioxidant activity, prostacyclin generation and platelet aggregability. Szczeklik A, et al. **Thromb Haemost** 1985 Aug 30;54(2):425-30

Influence of vitamin E on platelet survival. Uchida T, et

al. Tohoku J Exp Med 1985 Dec;147(4):342–8
[Evaluation of laying–hen feed with varied vitamin E and antioxidant supplementation] Richter G, et al. Arch Tierernahr 1985 Oct;35(10):707–14 (Eng. Abstr.) (Ger)
[A successfully treated case of giant basilar artery aneurysm utilizing balloon catheter occlusion and brain protective substances] Kinjo T, et al. No Shinkei Geka 1986 Mar;14(3 Suppl):397–402 (Eng. Abstr.) (Jpn)
[Surgical treatment of AVMs occluding these feeders during removal—utilizing the intraoperative balloon catheter and brain protective substances ("Sendai cocktail")] Takahashi A, et al. No Shinkei Geka 1986 Feb;14(2):179–87 (Eng. Abstr.) (Jpn)
[Laboratory evaluation of the nutritive value of the average daily diets of selected population groups in Poland. V. The levels of retinol, beta–carotene and alpha–tocopherol] Secomska B, et al. Rocz Panstw Zakl Hig 1985;36(2):140–6 (Eng. Abstr.) (Pol)
[Mechanism of the adaptogenic effect of tocopherol in long–term exposure to cold] Shorin IuP, et al. Fiziol Zh 1986 Mar–Apr;32(2):184–8 (Eng. Abstr.) (Rus)
[Effect of varying the vitamin E allowance on the contractile function of the heart muscle] Dzhaparidze LM, et al. Vopr Pitan 1986 May–Jun;(3):41–6 (Eng. Abstr.) (Rus)
[Tissue lipolytic activity with various vitamin K and E allowances in white rats] Lider VA. Vopr Pitan 1985 Sep–Oct;(5):37–9 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Contact dermatitis to vitamin E oil [letter] Goldman MP, et al. J Am Acad Dermatol 1986 Jan;14(1):133–4
Vitamin E effect on symptoms and laboratory values in the elderly. Hale WE, et al. J Am Diet Assoc 1986 May; 86(5):625–9
Retinal hemorrhage in retinopathy of prematurity associated with tocopherol treatment. Rosenbaum AL, et al. Ophthalmology 1985 Aug;92(8):1012–4
Furosemide and vitamin E. Two problem drugs in neonatology. Aranda JV, et al. Pediatr Clin North Am 1986 Jun;33(3):583–602 (169 ref.)
Soft tissue calcification: a complication of vitamin E injection. Barak M, et al. Pediatrics 1986 Mar;77(3):382–5
Vitamin E: what should we do? [letter] Newport MT. Pediatrics 1986 May;77(5):787–8

ANALOGS & DERIVATIVES

Comparison of plasma alpha and gamma tocopherol levels following chronic oral administration of either all–rac–alpha–tocopheryl acetate or RRR–alpha–tocopheryl acetate in normal adult male subjects. Baker H, et al. Am J Clin Nutr 1986 Mar; 43(3):382–7
Relationship between red blood cell lipid peroxidation, plasma hemoglobin, and red blood cell osmotic resistance before and after vitamin E supplementation in hemodialysis patients. Lubrano R, et al. Artif Organs 1986 Jun; 10(3):245–8
Administered tocopheryl acetate interferes in liquid–chromatographic assay of serum tocopherol [letter] Turley CP, et al. Clin Chem 1985 Oct;31(10):1761–2
Calorimetric and infrared spectroscopic studies of the interaction of alpha–tocopherol and alpha–tocopheryl acetate with phospholipid vesicles. Villalain J, et al. Eur J Biochem 1986 Jul 1;158(1):141–7
A new vitamin E analogue more active than alpha–tocopherol in the rat curative myopathy bioassay. Ingold KU, et al. FEBS Lett 1986 Sep 1;205(1):117–20
Use of alpha–tocopherylquinone in the treatment of ulcerative colitis. Bennet JD. Gut 1986 Jun;27(6):695–7
Stereoisomers of alpha–tocopheryl acetate. IV. USP units and alpha–tocopherol equivalents of all–rac–, 2–ambo– and RRR–alpha–tocopherol evaluated by simultaneous determination of resorption–gestation, myopathy and liver storage capacity in rats. Weiser H, et al. Int J Vitam Nutr Res 1986;56(1):45–56
Effects of selenium and vitamin E on incidence of retained placenta. Eger S, et al. J Dairy Sci 1985 Aug;68(8):2119–22
Vasculopathic hepatotoxicity associated with E–Ferol syndrome in low–birth–weight infants. Bove KE, et al. JAMA 1985 Nov 1;254(17):2422–30
Polysorbates and renal oxalate crystals in the E–Ferol syndrome [letter] Brown RE, et al. JAMA 1986 May 9; 255(18):2445
Effects of vitamin E on fibroblast fibronectin. Helson L, et al. Nutr Cancer 1985;7(4):221–7
Polysorbate 80 and E–Ferol toxicity. Alade SL, et al. Pediatrics 1986 Apr;77(4):593–7
Lessons from the E–Ferol tragedy. Balistreri WF, et al. Pediatrics 1986 Sep;78(3):503–6
Protective effect of oxygen–derived free radical scavengers on the endothelium in vivo. Hladovec J. Physiol Bohemoslov 1986;35(2):97–103
Comparisons between absorption of vitamin E in patients with chronic pancreatitis and healthy controls: the bioavailability of vitamin E. Funakoshi A, et al. Tohoku J Exp Med 1986 Apr;148(4):393–401
[Effect of alpha–tocopherol acetate on sperm motility] Engel S, et al. Dermatol Monatsschr 1985;171(12):863–5 (Eng. Abstr.) (Ger)
[Clinical effectiveness of Spondyvit (vitamin E) in activated arthroses. A multicenter placebo–controlled double–blind study] Blankenhorn G. Z Orthop 1986 May–Jun; 124(3):340–3 (Eng. Abstr.) (Ger)
[Antihypertensive action of dl–alpha–tocopherol 5–n–butyl–2–pyridinecarboxylate (TF–80)] Nishikibe M, et al. Nippon Yakurigaku Zasshi 1986 Jun;87(6):609–18 (Eng. Abstr.) (Jpn)
[Effect of alpha–tocopheryl acetate on blood biochemical parameters in albino rats as affected by acoustic stress] Melkonian MM, et al. Biull Eksp Biol Med 1985 Sep; 100(9):270–2 (Eng. Abstr.) (Rus)
[Effect of alpha–tocopherol on the concentration of alpha–tocopherylquinone in human blood lipids] Salfutdinov RG. Biull Eksp Biol Med 1985 Sep; 100(9):296–7 (Eng. Abstr.) (Rus)

ANALYSIS

Changes in human milk vitamin E and total lipids during the first twelve days of lactation. Ali J, et al. Am J Clin Nutr 1986 Jun;43(6):925–30
Linking low dispersion liquid chromatography with diode–array detection for the sensitive and selective determination of vitamins A, D, and E. Mulholland M. Analyst 1986 Jun;111(6):601–4
A new method for dissolution testing of vitamin E preparations in test medium containing sodium glycochenodeoxycholate. Tsushima Y, et al. Chem Pharm Bull (Tokyo) 1986 May;34(5):2196–201
Isotopic light scattering of lipid vesicles. Water permeation and effect of alpha–tocopherol. Engelbert HP, et al. Chem Phys Lipids 1985 Nov–Dec;38(4):365–79
Polyunsaturated fatty acids and vitamin E in rat rod outer segments during light damage. Wiegand RD, et al. Invest Ophthalmol Vis Sci 1986 May;27(5):727–33
Vitamin E in foods from high and low linoleic acid diets. Lehmann J, et al. J Am Diet Assoc 1986 Sep;86(9):1208–16
Disposable cartridge extraction of retinol and alpha–tocopherol from feedstuffs. Bourgeois CF, et al. J Assoc Off Anal Chem 1985 Nov–Dec;68(6):1121–5
Determination of alpha–tocopherol in rat liver by high–performance liquid chromatography utilizing ultraviolet detection. Mostow ND, et al. J Chromatogr 1985 Nov 8;344:137–43
Changes in the tocopherol and unsaturated fatty acid constituents of spices after pasteurization with superheated steam. Marero LM, et al. J Nutr Sci Vitaminol (Tokyo) 1986 Feb;32(1):131–6
Vitamin E in brains of patients with Alzheimer's disease and Down's syndrome [letter] Muller DP, et al. Lancet 1986 May 10;1(8489):1093–4
[Protective effect of radical scavengers on cerebral infarction—experimental study utilizing the spin trapping method of ESR] Tomonaga T, et al. No To Shinkei 1985 Jun;37(6):555–60 (Eng. Abstr.) (Jpn)
[alpha–Tocopherol contents in serum lipoproteins in the patients of chronic renal failure treated with hemodialysis] Minami T, et al. Rinsho Byori 1985 Sep;33(9):1041–4 (Jpn)
[Localization of alpha–tocopherol in the hydrophobic zone of a lipid bilayer] Kagan VE, et al. Dokl Akad Nauk SSSR 1986;288(5):1242–6 (Rus)
[Effect of dietary factors and insulin on the concentration of alpha–tocopherol in the organs of the young white rat] Paranich AV. Fiziol Zh 1986 May–Jun;32(3):303–9 (Eng. Abstr.) (Rus)
[Content, antioxidant activity and stability of tocopherols in dietary lipids] Ushkalova VN. Vopr Pitan 1986 May–Jun; (3):10–7 (71 ref.) (Rus)

BLOOD

Vitamin measurements in pooled blood samples. Wahrendorf J, et al. Am J Epidemiol 1986 Mar;123(3):544–50
Influence of breast–feeding on the restoration of the low serum concentration of vitamin E and beta–carotene in the newborn infant. Ostrea EM Jr, et al. Am J Obstet Gynecol 1986 May;154(5):1014–7
Interrelationships among liposoluble vitamins in ruminants. Hidiroglou M, et al. Can J Vet Res 1986 Aug;47(8):1767–71
Vitamin A and vitamin E in umbilical artery and vein. Koskinen T, et al. Ann Chir Gynaecol [Suppl] 1985;197:51–3
Serum vitamin A and E levels in patients with lichen sclerosus and carcinoma of the vulva—effect of oral etretinate treatment. Romppanen U, et al. Ann Chir Gynaecol [Suppl] 1985;197:27–9
Effect of different diets on the ratio of plasma lipids/vitamin A and E in female Sprague–Dawley rats with MNU–induced mammary carcinomas. Aksoy M, et al. Arch Geschwulstforsch 1985;55(6):443–50
Serum levels of vitamins A and E in women with ovarian cancer. Heinonen PK, et al. Arch Gynecol 1985; 237(1):37–40
Vitamin E in young and old human red blood cells. Burton GW, et al. Biochim Biophys Acta 1986 Aug 7;860(1):84–90
Protection of vitamin E from oxidation by increased ascorbic acid content within Plasmodium vinckei–infected erythrocytes. Stocker R, et al. Biochim Biophys Acta 1986 Apr 15;876(2):294–9
Erythrocyte vitamin E is oxidized at a lower peroxide concentration in neonates than in adults. Vanderpas J, et al. Blood 1985 Dec;66(6):1272–7
Retinol, alpha–tocopherol, lycopene, and alpha– and beta–carotene simultaneously determined in plasma by isocratic liquid chromatography. Milne DB, et al. Clin Chem 1986 May;32(5):874–6
Administered tocopheryl acetate interferes in liquid–chromatographic assay of serum tocopherol [letter] Turley CP, et al. Clin Chem 1985 Oct;31(10):1761–2
Vitamin E sufficiency in children with cholestasis: a comparison between erythrocyte peroxide hemolysis and serum alpha–tocopherol. Clark JH, et al. Clin Chim Acta 1985 Dec 13;153(2):117–24
Bilirubin interference in the colorimetric assay of plasma vitamin E. Desai ID, et al. Clin Chim Acta 1986 Feb 15; 154(3):247–50
Plasma antioxidants and lipid peroxidation products in Duchenne muscular dystrophy. Hunter MI, et al. Clin Chim Acta 1986 Mar 16;155(2):123–31
Plasma vitamin E levels in a chronically hemolyzing group of dialysis patients. Cohen JD, et al. Clin Nephrol 1986 Jan;25(1):42–7
Lipid peroxidation in experimental septic rats. Takeda K, et al. Crit Care Med 1986 Aug;14(8):719–23
Neurologic syndrome associated with low levels of vitamin E in primary biliary cirrhosis. Knight RE, et al. Gastroenterology 1986 Jul;91(1):209–11
Vitamin E status in gold–thioglucose–treated obese mice: the influence of weight loss. Vandewoude MG, et al. Int J Obes 1985;9(5):355–61
Vitamin E and vitamin C plasma levels in premature infants following supplementation of vitamin C. Arad ID, et al. Int J Vitam Nutr Res 1985;55(4):395–7
An evaluation of nutritional status of vitamin E in pregnant women with respect to red blood cell tocopherol level. Mino M, et al. Int J Vitam Nutr Res 1986;56(2):149–53
Comparison of blood levels of vitamin A, beta–carotene and vitamin E in abruptio placentae with normal pregnancy. Sharma SC, et al. Int J Vitam Nutr Res 1986;56(1):3–9
Alpha– and gamma tocopherol concentrations in human serum. Behrens WA, et al. J Am Coll Nutr 1986;5(1):91–6
Simultaneous measurement of retinol and alpha–tocopherol in human serum by high–performance liquid chromatography with ultraviolet detection. Cuesta Sanz D, et al. J Chromatogr 1986 Jul 11;380(1):140–4
Determination of vitamins A and E in serum and plasma using a simplified clarification method and high–performance liquid chromatography. Nierenberg DW, et al. J Chromatogr 1985 Dec 13;345(2):275–84
A study of the relationship between neurological function and serum vitamin E concentrations in patients with cystic fibrosis. Willison HJ, et al. J Neurol Neurosurg Psychiatry 1985 Nov;48(11):1097–102
Kinetics of D–alpha–tocopherol in a water soluble base in man. Bateman NE, et al. J Pharm Pharmacol 1985 Oct; 37(10):728–9
Serum vitamin E levels in very low–birth weight infants receiving vitamin E in parenteral nutrition solutions. DeVito V, et al. JPEN J Parenter Enteral Nutr 1986 Jan–Feb;10(1):63–5
Distribution of vitamins A and E in blood and liver of rats depleted of vitamin A or vitamin E. Omaye ST, et al. Lipids 1986 Jul;21(7):465–9
An HPLC method for the simultaneous determination of retinol and alpha–tocopherol in plasma or serum. Catignani GL. Methods Enzymol 1986;123:215–9
Vitamin E status of premature infants. Nutr Rev 1986 May; 44(5):166–7 (1 ref.)
Serum vitamin E levels in the very low birth weight infant during oral supplementation. Neal PR, et al. Pediatrics 1986 May;77(5):636–40
Measurement of vitamin E in serum and plasma by high performance liquid chromatography with electrochemical detection. Castle MC, et al. Ther Drug Monit 1985; 7(3):364–8
Plasma concentrations of retinol and vitamins E and C during the first twelve months of post natal life. Ette SI, et al. Trop Geogr Med 1986 Mar;38(1):1–5
Studies on the tocopherol status in blood serum of premature babies and infants. Schulz H, et al. Z Ernahrungswiss 1986 Mar;25(1):1–8
[Studies on serum lipid peroxides. 2. Observation on serum lipid peroxides and alpha–tocopherol in acute apoplexy] Liu EZ. Chung Hua Shen Ching Ching Shen Ko Tsa Chih 1986 Feb; 19(1):12–4 (Eng. Abstr.) (Chi)
[Changes in immunity during stress] Surkina ID, et al. Fiziol Cheloveka 1986 May–Jun;12(3):460–4 (Rus)
[Free–radical lipid oxidation in the erythrocyte membranes and the dynamics of endogenous alpha–tocopherol in the blood plasma of acute leukemia patients] Karagezian KG, et al. Gematol Transfuziol 1985 Dec;30(12):28–31 (Eng. Abstr.) (Rus)
[Change in the alpha–tocopherol content of blood plasma and erythrocyte membranes in patients with myocardial infarct in the acute period] Davydov BV, et al. Kardiologiia 1985 Jul;25(7):109–11 (Rus)
[Lipid peroxidation and the antioxidant system in patients with bronchial asthma and asthmatic bronchitis subjected to graded physical load] Amatuni VG, et al. Ter Arkh 1986; 58(4):23–5 (Eng. Abstr.) (Rus)
[Role of free–radical lipid peroxidation and the antioxidant system in the outcome of acute pneumonia] Ermakov EV, et al. Ter Arkh 1986;58(4):102–5 (Rus)
[Antioxidant systems of erythrocytes in rheumatism] Kozlov

GS, et al. **Ter Arkh** 1985;57(8):121–3 (Eng. Abstr.) **(Rus)**

METABOLISM

Changes in vitamin E and lipid–peroxide status in the laying hen during egg shell formation. Mézes M, et al. **Acta Vet Hung** 1985;33(1–2):33–9

Vitamin E in serum and skeletal muscle tissue and blood glutathione peroxidase activity from horses with the azoturia–tying–up syndrome. Ronéus B, et al. **Acta Vet Scand** 1985;26(3):425–7

Vitamin E consumption by human blood platelets activated by latex particles. Del Principe D, et al. **Am J Hematol** 1986 Apr;21(4):351–6

Effect of dietary vitamin E on the vitamin E status in the BB rat during development and after the onset of diabetes. Behrens WA, et al. **Ann Nutr Metab** 1986;30(3):157–65

Lipoprotein cholesterol, vitamin A, and vitamin E in an alcoholic population. D'Antonio JA, et al. **Cancer** 1986 May 1;57(9):1798–802

Calmodulin and alpha tocopherol as additional binding sites for doxorubicin. Nwankwoala RN, et al. **Cancer Chemother Pharmacol** 1986;16(2):133–8

Vitamin E requirements of adult Standardbred horses evaluated by tissue depletion and repletion. Ronéus BO, et al. **Equine Vet J** 1986 Jan;18(1):50–8

Chemical evidence for interactions between vitamins E and C. Lambelet P, et al. **Experientia** 1985 Nov 15; 41(11):1384–8

The antioxidant activity of alpha–tocopherol–bovine serum albumin complex in micellar and liposome autoxidations. Barclay LR, et al. **J Biol Chem** 1985 Dec 15; 260(29):15809–14

In vitro uptake of [3H]alpha–tocopherol from low density lipoprotein by cultured human fibroblasts. Thellman CA, et al. **J Nutr** 1985 Dec;115(12):1673–9

Disposition of intravenously administered pharmacologic doses of vitamin E in newborn rabbits. Knight ME, et al. **J Pediatr** 1986 Jan;108(1):145–50

Effect of vitamin E administration on alpha–tocopherol concentrations in the retina, choroid, and vitreous body of human neonates. Nishida A, et al. **J Pediatr** 1986 Jan; 108(1):150–3

Vitamin E status in patients on parenteral nutrition receiving Intralipid. Vandewoude MG, et al. **JPEN J Parenter Enteral Nutr** 1986 May–Jun;10(3):303–5

Vitamin E and selenium participation in fatty acid desaturation. A proposal for an enzymatic function of these nutrients. Infante JP. **Mol Cell Biochem** 1986 Feb; 69(2):93–108 (152 ref.)

[Relationship between lenticular vitamin E level and cataract formation in experimental diabetic rats] Hirai T, et al. **Nippon Ganka Gakkai Zasshi** 1986 Feb;90(2):313–20 (Eng. Abstr.) **(Jpn)**

[Vitamin E. Function, metabolism and clinical significance] Drevon CA, et al. **Tidsskr Nor Laegeforen** 1985 Nov 10; 105(31):2216–9 (Eng. Abstr.) **(Nor)**

PHARMACODYNAMICS

The effect of vitamin E and selenium on doxorubicin (Adriamycin) induced delayed toxicity in mice. Hermansen K, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Jan; 58(1):31–7

Vitamin E protects against metasystox–induced adverse effect on lipid metabolism in the rat brain and spinal cord. Tayyaba K, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Sep;57(3):190–6

Is a relay mechanism of antioxidant effect of tocopherols valuable for membrane systems? Serbinova E, et al. **Acta Physiol Pharmacol Bulg** 1985;11(3):55–60

Effect of long–term diet enrichment with selenium, vitamin E and vitamin B15 on the degree of fatty infiltration of the liver. Ziemlański S, et al. **Acta Physiol Pol** 1984 Jul–Aug;35(4):382–97

Transitory stimulation of human platelet 12–lipooxygenase by vitamin E supplementation. Chan AC, et al. **Am J Clin Nutr** 1986 Aug;44(2):278–82

Effect of pretreatment with selenium–vitamin E on monensin toxicosis in cattle. Van Vleet JF, et al. **Am J Vet Res** 1985 Nov;46(11):2221–8

Mechanism of rat lung microsomal dysfunction induced by oxygen breathing in relation to the effect of alpha–tocopherol. Taniguchi H, et al. **Arzneimittelforschung** 1986 Jun;36(6):924–7

Vitamin E inhibits platelet phospholipase A2. Douglas CE, et al. **Biochim Biophys Acta** 1986 May 21;876(3):639–45

Effects of alpha–tocopherol on the lipid peroxidation and fluidity of porcine intestinal brush–border membranes. Ohyashiki T, et al. **Biochim Biophys Acta** 1986 Jun 26; 858(2):294–300

N–nitrosation and N–nitration of morpholine by nitrogen dioxide: inhibition by ascorbate, glutathione and alpha–tocopherol. Cooney RV, et al. **Cancer Lett** 1986 Jul; 32(1):83–90

Suppression of X–ray induced transformation by vitamin E in mouse C3H/10T1/2 cells. Radner BS, et al. **Cancer Lett** 1986 Jul;32(1):25–32

Effect of vitamins C and E on endogenous synthesis of N–nitrosamino acids in humans: precursor–product studies with [15N]nitrate. Wagner DA, et al. **Cancer Res** 1985 Dec; 45(12 Pt 1):6519–22

Inhibitory effect of alpha–tocopherol on the formation of nitrosomorpholine in mice treated with morpholine and exposed to nitrogen dioxide. Norkus EP, et al. **Carcinogenesis** 1986 Ma.;7(3):357–60

Lipid hydrolysis and peroxidation in injured spinal cord: partial protection with methylprednisolone or vitamin E and selenium. Anderson DK, et al. **Cent Nerv Syst Trauma** 1985 Winter;2(4):257–67

Effect of dietary vitamin E on methyl ethyl ketone peroxide damage to microsomal cytochrome P–450 peroxidase. Ando M, et al. **Chem Biol Interact** 1985 Nov;55(3):317–26

Vitamin E supplementation in hemodialysis patients: effects on peripheral blood mononuclear cells lipid peroxidation and immune response. Taccone–Gallucci M, et al. **Clin Nephrol** 1986 Feb;25(2):81–6

Triglyceride–lowering effect of dietary vitamin E in streptozocin–induced diabetic rats. Increased lipoprotein lipase activity in livers of diabetic rats fed high dietary vitamin E. Pritchard KA Jr, et al. **Diabetes** 1986 Mar; 35(3):278–81

Effects of vitamin E on the distribution and metabolism of nitrofurantoin in rats. Statham CN, et al. **Drug Metab Dispos** 1985 Sep–Oct;13(5):532–4

A new vitamin E analogue more active than alpha–tocopherol in the rat curative myopathy bioassay. Ingold KU, et al. **FEBS Lett** 1986 Sep 1;205(1):117–20

Inhibition of 5–lipoxygenase by vitamin E. Reddanna P, et al. **FEBS Lett** 1985 Nov 25;193(1):39–43

Protective effects of the glutathione redox cycle and vitamin E on cultured fibroblasts infected by Mycoplasma pneumoniae. Almagor M, et al. **Infect Immun** 1986 Apr; 52(1):240–4

Modification of sympathetic nervous system activity in rat tissues by dietary vitamin E. Behrens WA, et al. **Int J Vitam Nutr Res** 1986;56(2):135–41

Stereoisomers of alpha–tocopheryl acetate. IV. USP units and alpha–tocopherol equivalents of all–rac–, 2–ambo– and RRR–alpha–tocopherol evaluated by simultaneous determination of resorption–gestation, myopathy and liver storage capacity in rats. Weiser H, et al. **Int J Vitam Nutr Res** 1986;56(1):45–56

Rat lung microsomal lipid peroxidation: effects of vitamin E and reduced glutathione. Franco DP, et al. **J Appl Physiol** 1986 Aug;61(2):785–90

Antioxidant protection of phospholipid bilayers by alpha–tocopherol. Control of alpha–tocopherol status and lipid peroxidation by ascorbic acid and glutathione. Liebler DC, et al. **J Biol Chem** 1986 Sep 15;261(26):12114–9

Effect of supplemental vitamin E on the immune system of calves. Reddy PG, et al. **J Dairy Sci** 1986 Jan;69(1):164–71

Effects of supplemental vitamin E on the performance and metabolic profiles of dairy calves. Reddy PG, et al. **J Dairy Sci** 1985 Sep;68(9):2259–66

Alpha tocopherol decreases lipid peroxidation, neuronal necrosis, and reactive gliosis in reaggregate cultures of fetal rat brain. Halks–Miller M, et al. **J Neuropathol Exp Neurol** 1986 Jul;45(4):471–84

Effect of dietary polyunsaturated/saturated fatty acid ratio and dietary vitamin E on lipid peroxidation in the rat. Buckingham KW. **J Nutr** 1985 Nov;115(11):1425–35

Effect of dietary ascorbic acid and vitamin E on metabolic changes in rats and guinea pigs exposed to PCB. Kawai–Kobayashi K, et al. **J Nutr** 1986 Jan;116(1):98–106

Organic solvent–soluble lipofuscin pigments and glutathione peroxidase in mouse brain and heart: effects of age and vitamin E. Menken BZ, et al. **J Nutr** 1986 Mar;116(3):350–5

Fe2+ and ascorbic acid induced oxidation of cholesterol in phosphatidylcholine liposomes and its inhibition by alpha–tocopherol. Terao J, et al. **J Nutr Sci Vitaminol (Tokyo)** 1985 Oct;31(5):499–508

alpha–Tocopherol as agonist in hypoxia. Kelly MJ. **J Pharm Pharmacol** 1986 Jan;38(1):66–8

Mechanisms of ozone toxicity in cultured cells. I. Reduced clonogenic ability of polyunsaturated fatty acid–supplemented fibroblasts. Effect of vitamin E. Konings AW. **J Toxicol Environ Health** 1986;18(3):491–7

Vitamin E enhances the chemotherapeutic effects of adriamycin on human prostatic carcinoma cells in vitro. Ripoll EA, et al. **J Urol** 1986 Aug;136(2):529–31

Augmentation of 1,2–dimethylhydrazine–induced colon cancer by experimental colitis in mice: role of dietary vitamin E. Chester JF, et al. **JNCI** 1986 May;76(5):939–42

Interactions of selenium deficiency, vitamin E, polyunsaturated fat, and saturated fat on azoxymethane–induced colon carcinogenesis in male F344 rats. Reddy BS, et al. **JNCI** 1986 Jun;76(6):1157–62

Protective effect of vitamin E in rats with acute liver injury. Sclafani L, et al. **JPEN J Parenter Enteral Nutr** 1986 Mar–Apr;10(2):184–7

Vitamin E supplementation suppresses prostaglandin E1(2) synthesis and enhances the immune response of aged mice. Meydani SN, et al. **Mech Ageing Dev** 1986 Apr; 34(2):191–201

Vitamin E stimulates proliferation of experimental oral carcinoma cells in vitro. Odukoya O, et al. **Nutr Cancer** 1986;8(2):101–6

Interactions of vitamin E and calcium in chemical cytotoxicity. **Nutr Rev** 1986 Mar;44(3):117–8 (7 ref.)

Lipid peroxidation in newborn rabbits: effects of oxygen, lipid emulsion, and vitamin E. Wispé JR, et al. **Pediatr Res** 1986 Jun;20(6):505–10

Selenium and vitamin E inhibit radiogenic and chemically induced transformation in vitro via different mechanisms. Borek C, et al. **Proc Natl Acad Sci USA** 1986 Mar; 83(5):1490–4

The influence of supplemental vitamins A and E on ovine humoral immune response. Ritacco KA, et al. **Proc Soc Exp Biol Med** 1986 Jul;182(3):393–8

Vitamin E exerts antiaggregatory effects without inhibiting the enzymes of the arachidonic acid cascade in platelets. Srivastava KC. **Prostaglandins Leukotrienes Med** 1986 Feb; 21(2):177–85

Role of free radicals in ischemic rat liver cell injury: prevention of damage by alpha–tocopherol administration. Marubayashi S, et al. **Surgery** 1986 Feb;99(2):184–92

In vitro effect of vitamin E and butylated hydroxytoluene on plasma malondialdehyde–like material formation [letter] Cordova C, et al. **Thromb Haemost** 1986 Apr 30;55(2):296

Effect of dietary vitamin E on the production of platelet 12–hydroxyeicosatetraenoic acid (12–HETE). Pritchard KA, et al. **Thromb Haemost** 1986 Feb 28;55(1):6–7

The effect of lung alpha–tocopherol content on the acute toxicity of nitrogen dioxide. Guth DJ, et al. **Toxicol Appl Pharmacol** 1986 Jun 30;84(2):304–14

Effect of vitamin E and other amelioratory agents on the fenvalerate–mediated skin sensation. Malley LA, et al. **Toxicol Lett** 1985 Dec;29(1):51–8

Influence of dietary manganese and vitamin E on adriamycin toxicity in mice. Zidenberg–Cherr S, et al. **Toxicol Lett** 1986 Jan;30(1):79–87

Prevention of lipofuscin development in neurons by anti–oxidants. Constantinides P, et al. **Virchows Arch [A]** 1986;409(5):583–93

The effects of vitamin E on ozone and nitrogen dioxide toxicity. Calabrese EJ, et al. **World Rev Nutr Diet** 1985; 46:124–47 (53 ref.)

[Relation between vitamin E supply and the fertility of laying hens] Hennig A, et al. **Arch Tierernahr** 1986 Jun; 36(6):519–29 (Eng. Abstr.) **(Ger)**

[Effect of alpha– and gamma–tocopherol as well as cholesterol on lipid peroxidation] Landvogt C, et al. **Z Ernahrungswiss** 1986 Mar;25(1):47–62 (Eng. Abstr.) **(Ger)**

[Effects of glutathione alpha–tocopherol, ascorbic acid and pH on the synthesis of methylguanidine] Nagase S, et al. **Nippon Jinzo Gakkai Shi** 1985 Aug;27(8):1133–40 (Eng. Abstr.) **(Jpn)**

[The effects of dilazep dihydrochloride and vitamin E on P50 in patients with chronic obstructive pulmonary disease] Nishiura Y. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 May;23(5):569–77 (Eng. Abstr.) **(Jpn)**

[Mechanism of the stabilization of synaptosomes with alpha–tocopherol during activation of lipid peroxidation] Davitashvili NG, et al. **Biokhimiia** 1986 Mar;51(3):472–7 (Eng. Abstr.) **(Rus)**

[Mechanism of stabilization of synaptosomes with alpha–tocopherol during exposure to phospholipase A2] Erin AN, et al. **Biull Eksp Biol Med** 1986 Jul;102(7):25–8 (Eng. Abstr.) **(Rus)**

[Effect of alpha–tocopherol on the concentration of alpha–tocopheryiquinone in human blood lipids] Salfutdinov RG. **Biull Eksp Biol Med** 1985 Sep; 100(9):296–7 (Eng. Abstr.) **(Rus)**

[Effect of vitamin E on the oxidative metabolism of macrophages] Sharmanov AT, et al. **Biull Eksp Biol Med** 1986 Jun;101(6):723–5 (Eng. Abstr.) **(Rus)**

[Action of vitamin E on the normal myocardial energy balance and in ischemia and reoxygenation] Artamonov SD, et al. **Farmakol Toksikol** 1985 Nov–Dec;48(6):28–33 (Eng. Abstr.) **(Rus)**

[Effect of naphthoquinones and tocopherols on the level of integral proteins in mitochondrial membranes and DNA levels in rat and rabbit tissue] Lider VA, et al. **Ukr Biokhim Zh** 1986 Jul–Aug;58(4):82–6 (Eng. Abstr.) **(Rus)**

[Deliberate change of the rate of biotransformation of drugs] Akimov VG, et al. **Vestn Dermatol Venerol** 1985 Jul; (7):18–20 (Eng. Abstr.) **(Rus)**

[Effect of alpha–tocopherol on glutamic acid metabolism and nicotinamide coenzyme levels in hepatocytes] Iakhnina DN, et al. **Vopr Med Khim** 1986 May–Jun;32(3):48–51 (Eng. Abstr.) **(Rus)**

[Anti–oxidant activity and tissue accumulation of tocopherols from a new source] Nadirov NK, et al. **Vopr Med Khim** 1986 May–Jun;32(3):41–5 (Eng. Abstr.) **(Rus)**

[Limiting stress activation of the adrenergic and pituitary–adrenal systems by alpha–tocopherol] Petrova VA, et al. **Vopr Med Khim** 1985 Nov–Dec;31(6):115–8 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Effects of dietary selenium and vitamin E on plasma lipoprotein cholesterol levels in male rats. Stone WL, et al. **Ann Nutr Metab** 1986;30(2):94–103

Erythrocyte malondialdehyde release in vitro: a functional measure of vitamin E status. Cynamon HA, et al. **Clin Chim Acta** 1985 Sep 30;151(2):169–76

Relative inactivation of steroidogenic enzyme activities of in vitro vitamin E–depleted human adrenal microsomes by lipid peroxidation. Takayanagi R, et al. **Endocrinology** 1986 Aug;119(2):464–9

The promotion of vitamin E. Horwitt MK. **J Nutr** 1986 Jul;

116(7):1371–7 (24 ref.)
Vitamin E requirement of the growing rat during selenium deficiency with special reference to selenium dependent—and selenium independent glutathione peroxidase. Hakkarainen J, et al. **Zentralbl Veterinarmed [A]** 1986 May;33(4):247–58
[Role of vitamins E and C in the development of the malignant process] Morozkina TS. **Eksp Onkol** 1986; 8(3):3–10 (82 ref.) (Eng. Abstr.) **(Rus)**
[The role of vitamin E in the body] Donchenko GV, et al. **Ukr Biokhim Zh** 1985 Sep–Oct;57(5):75–85 (77 ref.) (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Myotonic dystrophy treated with selenium and vitamin E. Orndahl G, et al. **Acta Med Scand** 1986;219(4):407–14
Contribution to indication of total therapy with vitamin E in chronic periodontal disease (pilot study). Černá H, et al. **Acta Univ Palacki Olomuc Fac Med** 1984;107:167–70
Failure of vitamin E and delayed muscle soreness. Francis KT, et al. **Ala Med** 1986 Mar;55(9):15–8
Amelioration of adriamycin–induced cardiotoxicity in rabbits by prenylamine and vitamins A and E. Milei J, et al. **Am Heart J** 1986 Jan;111(1):95–102
Aflatoxin B1 toxicosis in dairy calves pretreated with selenium–vitamin E. Brucato M, et al. **Am J Vet Res** 1986 Jan;47(1):179–83
Oral vitamin E supplements can prevent the retinopathy of abetalipoproteinaemia. Runge P, et al. **Br J Ophthalmol** 1986 Mar;70(3):166–73
The protective effects of vitamin E on microcephaly in rats X–irradiated in utero: DNA, lipid peroxide and confronting cisternae. Tanaka H, et al. **Brain Res** 1986 Jun; 392(1–2):11–7
Pathogenic mechanism of retinopathy of prematurity: a controversial explanation for the efficacy of oral and intramuscular vitamin E supplementation and cryotherapy. Kretzer FL, et al. **Bull NY Acad Med** 1985 Dec; 61(10):883–900
Further observations on the yellow nail syndrome with therapeutic effects of oral alpha–tocopherol. Norton L. **Cutis** 1985 Dec;36(6):457–62
An interpretation of retinopathy of prematurity in terms of spindle cells: relationship to vitamin E prophylaxis and cryotherapy. Kretzer FL, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(3):205–14
Acne vulgaris: correcting pathophysiologic defects versus antibacterial therapy [letter] Ayres S Jr. **Int J Dermatol** 1986 Jun;25(5):335–6
Discoid lupus erythematosus: thalidomide or vitamin E? [letter] Ayres S Jr. **Int J Dermatol** 1985 Nov;24(9):616
Breast cancer prevention by supplemental vitamin E. London RS, et al. **J Am Coll Nutr** 1985;4(5):559–64
Selenium and vitamins A, E, and C: nutrients with cancer prevention properties. Watson RR, et al. **J Am Diet Assoc** 1986 Apr;86(4):505–10 (41 ref.)
Use of injectable vitamin E and selenium–vitamin E emulsion in ewes and suckling lambs to prevent nutritional muscular dystrophy. Norton SA, et al. **J Anim Sci** 1986 Feb; 62(2):497–508
Vitamin E and muscle diseases. Jackson MJ, et al. **J Inherited Metab Dis** 1985;8 Suppl 1:84–7 (25 ref.)
The role of vitamin E in the treatment of the neurological features of abetalipoproteinaemia and other disorders of fat absorption. Muller DP, et al. **J Inherited Metab Dis** 1985;8 Suppl 1:88–92 (28 ref.)
The efficacy of vitamin E in retinopathy of prematurity. Bremer DL, et al. **J Pediatr Ophthalmol Strabismus** 1986 May–Jun;23(3):132–6
Superoxide generation during cardiopulmonary bypass: is there a role for vitamin E? Cavarocchi NC, et al. **J Surg Res** 1986 Jun;40(6):519–27
The potential use of vitamin E and selenium in parkinsonism. Cadet JL. **Med Hypotheses** 1986 May;20(1):87–94
Failure of high–dose tocopherol to prevent alopecia induced by doxorubicin [letter] Martin–Jimenez M, et al. **N Engl J Med** 1986 Oct 2;315(14):894–5
Improved neurologic function after long–term correction of vitamin E deficiency in children with chronic cholestasis. Sokol RJ, et al. **N Engl J Med** 1985 Dec 19;313(25):1580–6
Brain damage following repeated electroshocks in cats and rats. Effect of artificial respiration and vitamin E. Manole E, et al. **Neurol Psychiatr (Bucur)** 1986 Jan–Mar;24(1):59–64
Development of new cerebral protective agents: the free radical scavengers. Mizoi K, et al. **Neurol Res** 1986 Jun; 8(2):75–80
Retardation of experimental oral cancer by topical vitamin E. Odukoya O, et al. **Nutr Cancer** 1984;6(2):98–104
Vitamin E and retinopathy of prematurity. Follow–up at one year. Schaffer DB, et al. **Ophthalmology** 1985 Aug; 92(8):1005–11
Vitamin E and complement [letter] Rudensky B, et al. **Pediatrics** 1985 Nov;76(5):857
Interstitial retinol binding protein in the developing human retina: a proposed explanation for vitamin E suppression of retinopathy of prematurity. Johns. ı AT, et al. **Prog Clin Biol Res** 1985;190:251–77
Modification of survival and hematopoiesis in mice by tocopherol injection following irradiation. Bichay TJ, et al. **Strahlenther Onkol** 1986 Jun;162(6):391–9
Vitamin E in the treatment of viral hepatitis. Yurdakök M, et al. **Turk J Pediatr** 1985 Oct–Dec;27(4):209–12
[Yellow nail syndrome: response to vitamin E] Rommel A, et al. **Ann Dermatol Venereol** 1985;112(8):625–7 **(Fre)**
[Long–term treatment of senile macular degeneration with Cosaldon A+E] Stark H. **Klin Monatsbl Augenheilkd** 1985 Oct;187(4):296–302 (Eng. Abstr.) **(Ger)**
[Recent aspects of vitamin E in pediatrics] Böhles H. **Klin Padiatr** 1985 Sep–Oct;197(5):386–91 (62 ref.) (Eng. Abstr.) **(Ger)**
[Studies with the computer–guided perimeter "Peritest" on the effect of Cosaldon A+E on glaucomatous visual field defects] Stark H. **Ophthalmologica** 1985;191(4):238–49 (Eng. Abstr.) **(Ger)**
[Use of vitamins A and E, in association with anti–inflammatory substances, in the therapy of breast dysplasia] Fanini RA, et al. **Minerva Ginecol** 1986 Jun; 38(6):523–8 (Eng. Abstr.) **(Ita)**
[Effects of cerebral protective agents in experimental cerebral ischemia. Relationship between the degree of ischemia and EEG] Oba M, et al. **No Shinkei Geka** 1985 Oct; 13(10):1059–65 (Eng. Abstr.) **(Jpn)**
[Protective effect of phenytoin and its enhanced action by combined administration of mannitol and vitamin E in cerebral ischemia] Abiko H, et al. **No To Shinkei** 1986 Apr; 38(4):328–35 (Eng. Abstr.) **(Jpn)**
[Use of vitamin E as an erythrocyte membrane stabilizer in patients with cyanotic–type congenital heart defect] Samuilova DSh, et al. **Anesteziol Reanimatol** 1985 May–Jun;(3):55–7 (Eng. Abstr.) **(Rus)**
[Protective effect of alpha–tocopherol on the Ca2+–transport system of the sarcoplasmic reticulum membranes in hypercholesterolemia] Kuz'mina IL, et al. **Biull Eksp Biol Med** 1986 Feb;101(2):163–5 (Eng. Abstr.) **(Rus)**
[Effect of aevite and riboflavin on the electrolyte balance in the wall of the hepatic blood vessels in experimental toxic hepatitis] Iakusheva EN. **Farmakol Toksikol** 1986 Mar–Apr;49(2):71–4 (Eng. Abstr.) **(Rus)**
[Ultrastructure and succinate dehydrogenase activity of lymphocytes in burns and the effect of alpha tocopherol] Smorshchok SA, et al. **Klin Khir** 1986;(3):7–9 (Eng. Abstr.) **(Rus)**
[Creatine phosphokinase and ATPase activity of the extrainfarct areas of the myocardium in rabbits after a coronary–occluding infarct with alpha–tocopherol and sodium nucleinate administration] Khachatrian SA, et al. **Patol Fiziol Eksp Ter** 1986 Jan–Feb;(1):51–3 (Eng. Abstr.) **(Rus)**
[Role of antioxidant therapy in the complex treatment of patients with pulmonary tuberculosis associated with diabetes mellitus] Kravtsova IV. **Probl Tuberk** 1985; (7):33–7 (Eng. Abstr.) **(Rus)**
[Vitamin E in the complex treatment of patients with primary glaucoma] Birich TV, et al. **Vestn Oftalmol** 1986 Mar–Apr; 102(2):10–3 (Eng. Abstr.) **(Rus)**
[Use of vitamin E in the combined treatment of patients with central involutional chorioretinal dystrophies] Marchenko LN. **Vestn Oftalmol** 1985 Jul–Aug;101(4):48–51 (Eng. Abstr.) **(Rus)**
[Effect of vitamins A and E on various indices of lipid and protein metabolism in children with perinatal pathology of the central nervous system] Nian'kovskiĭ SL, et al. **Vopr Med Khim** 1986 May–Jun;32(3):76–9 (Eng. Abstr.) **(Rus)**
[Effect of vitamins A, E and K on the indices of the glutathione antiperoxide system in gingival tissues in periodontosis] Khmelevskiĭ IuV, et al. **Vopr Pitan** 1985 Jul–Aug;(4):54–6 (Eng. Abstr.) **(Rus)**
[Electron microscopic study of the effect of the antioxidant action of alpha–tocopherol] Morozov IA. **Vopr Pitan** 1985 Jul–Aug;(4):44–8 (Eng. Abstr.) **(Rus)**
[Efficacy of alpha–tocopherol in the complex treatment of newly diagnosed patients with destructive tuberculosis of the lungs] Panasiuk AV, et al. **Vrach Delo** 1986 Apr;(4):63–6 (Eng. Abstr.) **(Rus)**

TOXICITY

Embryotoxicity of cortisone combined with vitamin E. Dostál M, et al. **Folia Morphol (Praha)** 1986;34(2):132–40

VITAMIN E DEFICIENCY

BLOOD

Aminoterminal procollagen III peptide elevation in alcoholics who are selenium and vitamin E deficient. Lu W, et al. **Clin Chim Acta** 1986 Feb 15;154(3):165–9
Mechanism of oxidative lysis and lipid peroxidation of vitamin E–deficient erythrocytes. Krishnamurthy S, et al. **Indian J Biochem Biophys** 1984 Dec;21(6):361–4
Ozone induced hematological changes in mouse strains with differential levels of erythrocyte G–6–PD activity and vitamin E status. Calabrese EJ, et al. **J Environ Pathol Toxicol Oncol** 1985 Nov–Dec;6(2):283–91
A study of the relationship between neurological function and serum vitamin E concentrations in patients with cystic fibrosis. Willison HJ, et al. **J Neurol Neurosurg Psychiatry** 1985 Nov;48(11):1097–102
The effect of vitamin E deficiency on some erythrocyte membrane properties. Kameda K, et al. **J Nutr Sci Vitaminol (Tokyo)** 1985 Oct;31(5):481–90
Distribution of vitamins A and E in blood and liver of rats depleted of vitamin A or vitamin E. Omaye ST, et al. **Lipids** 1986 Jul;21(7):465–9
Oxidation as a possible mechanism of cellular aging: vitamin E deficiency causes premature aging and IgG binding to erythrocytes. Kay MM, et al. **Proc Natl Acad Sci USA** 1986 Apr;83(8):2463–7
[The role of vitamin E in the therapy of thalassemia] Bianco L, et al. **Pediatr Med Chir** 1986 Jan–Feb;8(1):23–6 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Frequency and clinical progression of the vitamin E deficiency neurologic disorder in children with prolonged neonatal cholestasis. Sokol RJ, et al. **Am J Dis Child** 1985 Dec;139(12):1211–5
Vitamin E deficiency associated with vision loss and bulbar weakness. Larsen PD, et al. **Ann Neurol** 1985 Dec; 18(6):725–7
Vitamin E deficiency [editorial] **Lancet** 1986 Feb 22; 1(8478):423–4
Vitamin E deficiency [letter] Burns A, et al. **Lancet** 1986 Apr 5;1(8484):805–6
Vitamin E deficiency and neurologic dysfunction in children [letter] Satel SL, et al. **N Engl J Med** 1986 May 22; 314(21):1389–90
Vitamin E–deficient spinocerebellar syndrome due to intestinal lymphangiectasia. Gutmann L, et al. **Neurology** 1986 Apr;36(4):554–6
Vitamin E deficiency in neuropathy of abetalipoproteinemia [letter] Iannaccone ST, et al. **Neurology** 1986 Jul;36(7):1009
The spectrum of neurologic disorder from vitamin E deficiency. Satya–Murti S, et al. **Neurology** 1986 Jul; 36(7):917–21
Vitamin E deficiency and neurologic dysfunction. **Nutr Rev** 1986 Aug;44(8):268–9 (7 ref.)

DRUG THERAPY

Vitamin E deficiency and vitamin C supplements: exercise and mitochondrial oxidation. Gohil K, et al. **J Appl Physiol** 1986 Jun;60(6):1986–91
Improved neurologic function after long–term correction of vitamin E deficiency in children with chronic cholestasis. Sokol RJ, et al. **N Engl J Med** 1985 Dec 19;313(25):1580–6

ENZYMOLOGY

Enzymatic defense against radiation damage in mice. Effect of selenium and vitamin E depletion. Batist G, et al. **Biochem Pharmacol** 1986 Feb 15;35(4):601–6
Effects of cigarette smoke and dietary vitamin E levels on selected lung and hepatic biotransformation enzymes in mice. Graziano MJ, et al. **Drug Nutr Interact** 1985; 3(4):213–22
[Effect of tocopherol deficiency on pulmonary surfactant and subcellular fractions in rats] Iakovleva OA, et al. **Patol Fiziol Eksp Ter** 1986 Jan–Feb;(1):48–51 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Effect of abnormal liver function on vitamin E status and supplementation in adults with cystic fibrosis. Stead RJ, et al. **Gut** 1986 Jun;27(6):714–8
Deficiency of vitamin E in the alveolar fluid of cigarette smokers. Influence on alveolar macrophage cytotoxicity. Pacht ER, et al. **J Clin Invest** 1986 Mar;77(3):789–96

IMMUNOLOGY

The effects of ozone inhalation on the immunological response of selenium– and vitamin E–deprived rats. Eskew ML, et al. **Environ Res** 1986 Aug;40(2):274–84

METABOLISM

Vitamin E deficiency alters the in vivo Rb+ discrimination of rat brain cortical cells. Pieri C, et al. **Arch Gerontol Geriatr** 1986 Apr;5(1):21–31
A protective mechanism against hyperoxia induced lipid peroxidation in the lung of vitamin E–deficient rats. Sato K. **Bull Chest Dis Res Inst Kyoto Univ** 1985 Mar; 18(1–2):15–21
Lipofuscin accumulation in extraocular muscle of rats deficient in vitamins E and A. Herrmann RK, et al. **Graefes Arch Clin Exp Ophthalmol** 1985;223(5):272–7
The effect of phytol upon skeletal muscle damage in vitamin E–deficient animals. Krywawych S, et al. **J Inherited Metab Dis** 1985;8 Suppl 2:111–2
Localization of lipofuscin in the duodenums of vitamin E–deficient rats. Katz ML, et al. **J Nutr** 1985 Oct; 115(10):1355–65
Effects of vitamin E deficiency and non–biological antioxidant (DPPD) on the function of the pituitary–gonadal axis of the rat. Akazawa N, et al. **J Nutr Sci Vitaminol (Tokyo)** 1986 Feb;32(1):41–54
Vitamin E and selenium participation in fatty acid desaturation. A proposal for an enzymatic function of these nutrients. Infante JP. **Mol Cell Biochem** 1986 Feb; 69(2):93–108 (152 ref.)
Effects of phenobarbital on lipid peroxidation in vitamin–E–deficient rats. Ono J, et al. **Pediatr Pharmacol (New York)** 1986;5(4):223–7
Studies on rat liver mitochondria in vitamin E–deficiency and during storage at 0–4 degrees C. Higuti IH, et al. **Res Commun Chem Pathol Pharmacol** 1985 Sep;49(3):451–4

Vitamin E deficiency in rabbits receiving a high PUFA diet with and without a non-absorbable antioxidant. 1. Incorporation of [1-14C]glycine into skeletal muscle proteins. Diehl JF. **Z Ernahrungswiss** 1986 Jun;25(2):103-13

PATHOLOGY

Muscle pathology in Bassen-Kornzweig syndrome and vitamin E deficiency. Lazaro RP, et al. **Am J Clin Pathol** 1986 Sep;86(3):378-87

Effects of vitamin E deficiency on 1,2-dimethylhydrazine-induced intestinal carcinogenesis in rats. Sumiyoshi H. **Hiroshima J Med Sci** 1985 Sep; 34(3):363-9

PHYSIOPATHOLOGY

Effect of vitamin E deficiency and selenium deficiency on insulin secretory reserve and free radical scavenging systems in islets: decrease of islet manganosuperoxide dismutase. Asayama K, et al. **J Lab Clin Med** 1986 May; 107(5):459-64

Effects of singular and combined dietary deficiencies of selenium and vitamin E on fingerling channel catfish (Ictalurus punctatus). Gatlin DM 3d, et al. **J Nutr** 1986 Jun;116(6):1061-7

Electrophysiologic features of abetalipoproteinemia: functional consequences of vitamin E deficiency. Brin MF, et al. **Neurology** 1986 May;36(5):669-73

Peripheral nerve involvement in children with chronic cholestasis and vitamin E deficiency. A clinical, electrophysiological and morphological study. Landrieu P, et al. **Neuropediatrics** 1985 Nov;16(4):194-201

Effect of selenium and vitamin E dietary deficiencies on chick lymphoid organ development. Marsh JA, et al. **Proc Soc Exp Biol Med** 1986 Sep;182(4):425-36

VETERINARY

Effect of disulfiram in experimentally induced vitamin E deficiency myopathy in lambs. Steiss JE. **Am J Vet Res** 1985 Oct;46(10):2141-4

Some effects of vitamin E and selenium deprivation on tissue enzyme levels and indices of tissue peroxidation in rainbow trout (Salmo gairdneri). Bell JG, et al. **Br J Nutr** 1985 Jan;53(1):149-57

Nutritional myopathy in a captive California sea lion. Citino SB, et al. **J Am Vet Med Assoc** 1985 Dec 1;187(11):1232-3

Drug-induced changes in selenium-dependent glutathione peroxidase activity in the chick. Mercurio SD, et al. **J Nutr** 1985 Nov;115(11):1459-70

Generalized lipofuscinosis in a dog. Umemura T, et al. **Nippon Juigaku Zasshi** 1985 Aug;47(4):673-7

Use of sodium hydroxide treated selenium deficient barley to induce vitamin E and selenium deficiency in yearling cattle. Rice DA, et al. **Vet Rec** 1986 Feb 15;118(7):173-6

Nutritional encephalomalacia in red legged partridges. Swarbrick O, et al. **Vet Rec** 1986 Jun 28;118(26):727-8

VITAMIN G see RIBOFLAVIN

VITAMIN H see BIOTIN

VITAMIN K

Sensitized photo-oxidation of thymidine by 2-methyl-1,4-naphthoquinone. Characterization of the stable photoproducts. Decarroz C, et al. **Int J Radiat Biol** 1986 Sep;50(3):491-505

ADMINISTRATION & DOSAGE

[Tissue lipolytic activity with various vitamin K and E allowances in white rats] Lider VA. **Vopr Pitan** 1985 Sep-Oct;(5):37-9 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Does vitamin K excess induce ectopic calcifications in hemodialysis patients? Robert D, et al. **Clin Nephrol** 1985 Dec;24(6):300-4

Reactive annular erythema after intramuscular vitamin K. Kay MH, et al. **Cutis** 1986 Jun;37(6):445-8

ANALOGS & DERIVATIVES

Modulation of cytotoxicity of menadione sodium bisulfite versus leukemia L1210 by the acid-soluble thiol pool. Akman SA, et al. **Cancer Res** 1985 Nov;45(11 Pt 1):5257-62

Determination of menadione sodium hydrogen sulphite and nicotinamide in multivitamin formulations by high-performance liquid chromatography. Sadlej-Sosnowska N, et al. **J Chromatogr** 1986 Apr 23; 357(1):227-32

[Effect of menadione and vicasol on mitochondrial energy during inhibition of initiation sites of the respiration chain] Dedukhova VI, et al. **Biokhimiia** 1986 Apr;51(4):567-73 (Eng. Abstr.) **(Rus)**

[Thiol-dependent generation of superoxide radical induced by menadione and vicasol] Gerasimov AM, et al. **Biokhimiia** 1985 Nov;50(11):1872-6 (Eng. Abstr.) **(Rus)**

[Effect of vicasol and protamine sulfate on the indices of the blood kallikrein-kinin system and of aortic carbohydrate metabolism in nicotine poisoning] Semenchenko MV. **Farmakol Toksikol** 1986 May-Jun; 49(3):54-7 (Eng. Abstr.) **(Rus)**

ANALYSIS

Identity of the quinone in Bacillus alcalophilus. Meganathan R, et al. **J Bacteriol** 1985 Nov;164(2):911-3

Assay of K vitamins in tissues by high-performance liquid chromatography with special reference to ultraviolet detection. Shearer MJ. **Methods Enzymol** 1986;123:235-51

Analysis of bacterial menaquinone mixtures by reverse-phase high-performance liquid chromatography. Tamaoka J. **Methods Enzymol** 1986;123:251-6

ANTAGONISTS & INHIBITORS

Assay of coumarin antagonists of vitamin K in blood by high-performance liquid chromatography. Shearer MJ. **Methods Enzymol** 1986;123:223-34

Exogenous glutathione protects intestinal epithelial cells from oxidative injury. Lash LH, et al. **Proc Natl Acad Sci USA** 1986 Jul;83(13):4641-5

Prolongation by warfarin of "template" bleeding time in rats: a vitamin K-dependent effect. Reyers I, et al. **Proc Soc Exp Biol Med** 1986 Feb;181(2):275-6

The vitamin K-antagonism of salicylate and warfarin. Roncaglioni MC, et al. **Thromb Res** 1986 Jun 15; 42(6):727-36

[Importance of standardization in the biological monitoring of anti-vitamin K therapy] Forestier F, et al. **Nouv Rev Fr Hematol** 1986;28(3):157-62 (Eng. Abstr.) **(Fre)**

[Application of a new method of assaying decarboxyprothrombin to the diagnosis of antivitamin K poisoning [letter]] Lefrère JJ, et al. **Presse Med** 1986 Feb 8;15(5):214 **(Fre)**

BIOSYNTHESIS

Vitamin K (menaquinone) biosynthesis in bacteria: purification and probable structure of an intermediate prior to o-succinylbenzoate. Emmons GT, et al. **Biochem Biophys Res Commun** 1985 Sep 16;131(2):956-60

Menaquinone (vitamin K2) biosynthesis in Escherichia coli: synthesis of o-succinylbenzoate does not require the decarboxylase activity of the ketoglutarate dehydrogenase complex. Marley MG, et al. **Biochemistry** 1986 Mar 25; 25(6):1304-7

BLOOD

Serum osteocalcin in rheumatoid arthritis and other inflammatory arthritides: relation between inflammatory activity and the effect of glucocorticoids and remission inducing drugs. Ekenstam EA, et al. **Ann Rheum Dis** 1986 Jun;45(6):484-90

Measurement of K vitamins in human and animal plasma by high-performance liquid chromatography with fluorometric detection. Hirauchi K, et al. **Chem Pharm Bull (Tokyo)** 1986 Feb;34(2):845-9

Determination of vitamin K in serum using HPLC with post-column reaction and fluorescence detection. Lambert WE, et al. **J Chromatogr Sci** 1986 Feb;24(2):76-9

Serum levels of prostatic acid phosphatase (PAP), tissue polypeptide antigen (TPA), CA-50, neopterine and of osteocalcin in patients with prostatic carcinoma. Lewenhaupt A, et al. **Scand J Clin Lab Invest [Suppl]** 1985; 179:75-80

Factor VIII lability, protein C and other vitamin K-dependent proteins. Takahashi H, et al. **Thromb Res** 1986 Sep 1;43(5):561-8

ISOLATION & PURIFICATION

Isolation and characterization of a novel vitamin-K from Eubacterium lentum. Collins MD, et al. **Biochem Biophys Res Commun** 1985 Nov 27;133(1):322-8

Quinones from Archaebacteria, I. New types of menaquinones from the thermophilic archaebacterium Thermoproteus tenax. Thurl S, et al. **Biol Chem Hoppe Seyler** 1985 Dec;366(12):1079-83

METABOLISM

Microsomal interactions between iron, paraquat, and menadione: effect on hydroxyl radical production and alcohol oxidation. Beloqui O, et al. **Arch Biochem Biophys** 1985 Oct;242(1):187-96

Cell-free translation of the vitamin K-dependent bone protein osteocalcin. Mackowiak S, et al. **Biochem Biophys Res Commun** 1985 Oct 15;132(1):240-4

Effect of N-methyl-thiotetrazole on rat liver microsomal vitamin K-dependent carboxylation. Suttie JW, et al. **Biochem Pharmacol** 1986 Jul 15;35(14):2429-33

Generation of photoemissive species during quinone redox cycling. Wefers H, et al. **Biochem Pharmacol** 1986 Jan 1; 35(1):22-4

Identification of a warfarin-sensitive protein component in a 200S rat liver microsomal fraction catalyzing vitamin K and vitamin K 2,3-epoxide reduction. Lee JJ, et al. **Biochemistry** 1985 Dec 3;24(25):7063-70

Oxygen requirements for vitamin K-dependent carboxylation and epoxide formation. Canfield LM. **Biochim Biophys Acta** 1986 Jan 17;869(1):112-4

Monoclonal antibodies to human vitamin K-dependent protein S. Litwiller RD, et al. **Blood** 1986 Jun;67(6):1583-90

Vitamin K1 metabolism in relation to pharmacodynamic response in anticoagulated patients. Choonara IA, et al. **Br J Clin Pharmacol** 1985 Dec;20(6):643-8

Interaction of menadione (2-methyl-1,4-naphthoquinone) with glutathione. Ross D, et al. **Chem Biol Interact** 1985 Oct;55(1-2):177-84

Pharmacokinetics of warfarin in the nephrotic syndrome and effect on vitamin K-dependent clotting factors. Ganeval D, et al. **Clin Nephrol** 1986 Feb;25(2):75-80

Primary structure of bovine matrix Gla protein, a new vitamin K-dependent bone protein. Price PA, et al. **J Biol Chem** 1985 Dec 5;260(28):14971-5

Vitamin K-dependent carboxylation and vitamin K metabolism in liver. Effects of warfarin. Wallin R, et al. **J Clin Invest** 1985 Nov;76(5):1879-84

Defects in vitamin K-dependent carboxylation associated with moxalactam treatment. Barza M, et al. **J Infect Dis** 1986 Jun;153(6):1166-9

Vitamin K-dependent formation of bone Gla protein (osteocalcin) and its function. Price PA. **Vitam Horm** 1985; 42:65-108 (79 ref.)

[The yet unexpected vitamin K deficiency] Joosten P, et al. **Ned Tijdschr Geneeskd** 1986 Mar 15;130(11):476-9 **(Dut)**

PHARMACODYNAMICS

Oxygen dependence and subcellular partitioning of hepatic menadione-mediated oxygen uptake. Studies with isolated hepatocytes, mitochondria, and microsomes from rat liver in an oxystat system. de Groot H, et al. **Arch Biochem Biophys** 1985 Dec;243(2):556-62

Effects of vanadate, menadione and menadione analogs on the Ca2+-activated K+ channels in human red cells. Possible relations to membrane-bound oxidoreductase activity. Fuhrmann GF, et al. **Biochim Biophys Acta** 1985 Nov 7;820(2):223-34

Effects of 1,25-dihydroxycholecalciferol administration on the rat renal vitamin K-dependent carboxylating system. Karl PI, et al. **FEBS Lett** 1985 Nov 18;192(2):243-6

Vitamin K1 as a modulator of benzo(a)pyrene metabolism as measured by in vitro metabolite formation and in vivo DNA-adduct formation. Israels LG, et al. **Int J Biochem** 1985;17(11):1263-6

Responses of renal and hepatic vitamin K dependent gamma-glutamyl carboxylase substrates to warfarin and vitamin K treatments. Karl PI, et al. **Int J Biochem** 1985; 17(12):1313-6

Menadione inhibition of benzo(a)pyrene metabolism in whole cells, microsomes and reconstituted systems. Sadowski IJ, et al. **Int J Biochem** 1986;18(6):565-8

Warfarin and enteral nutrition products [letter] Akrabawi SS. **J Am Diet Assoc** 1986 Aug;86(8):1096

Vitamin K-dependent carboxylase in skin. de Boer-van den Berg MA, et al. **J Invest Dermatol** 1986 Sep;87(3):377-80

Vitamin K antagonism of coumarin intoxication in the rat. Wallin R, et al. **Thromb Haemost** 1986 Apr 30;55(2):235-9

[Effect of menadione and vicasol on mitochondrial energy during inhibition of initiation sites of the respiration chain] Dedukhova VI, et al. **Biokhimiia** 1986 Apr;51(4):567-73 (Eng. Abstr.) **(Rus)**

[Thiol-dependent generation of superoxide radical induced by menadione and vicasol] Gerasimov AM, et al. **Biokhimiia** 1985 Nov;50(11):1872-6 (Eng. Abstr.) **(Rus)**

[Effect of vitamin K3 (menadione) on the hepatic content of electrolytes] Alarcón OM, et al. **Acta Cient Venez** 1985; 36(3-4):232-5 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Regulation of the phosphorylation state and function of the epidermal growth factor receptor by vitamin K-3. Chinkers M, et al. **Biochim Biophys Acta** 1986 Sep 19;888(2):176-83

The mechanism of action of oral anticoagulants and its consequences for the practice of oral anticoagulation. Hemker HC, et al. **Haemostasis** 1985;15(4):263-70

Calcium-specific immunoassays for factor IX: reduced levels of antigen in patients with vitamin K disorders. Bray GL, et al. **J Lab Clin Med** 1986 Mar;107(3):269-78

Purification of six human vitamin K-dependent proteins in a single chromatographic step using immunoaffinity columns. Jenny R, et al. **Prep Biochem** 1986;16(3):227-45

Vitamin K dependent proteins in fetal hemostasis at mid trimester of pregnancy. Forestier F, et al. **Thromb Haemost** 1985 Jun 24;53(3):401-3

[Role of vitamin K in protein modification] Ryńca J. **Postepy Biochem** 1985;31(2):283-304 (73 ref.) **(Pol)**

THERAPEUTIC USE

Neonatal haemorrhage and vitamin K. Rose SJ. **Acta Haematol (Basel)** 1985;74(2):121

Treatment of mitochondrial myopathy due to complex III deficiency with vitamins K3 and C: A 31P-NMR follow-up study. Argov Z, et al. **Ann Neurol** 1986 Jun; 19(6):598-602

Vitamin K and Thrombotest values in full term infants. Garrow D, et al. **Arch Dis Child** 1986 Apr;61(4):349-51

Who needs vitamin K? Bhatia J. **Indian J Pediatr** 1986 Mar-Apr;53(2):146-7

Vitamin K treatment of sweet clover poisoning [letter] Hsu WH. **J Am Vet Med Assoc** 1986 Feb 1;188(3):226-8

Acquired prothrombin complex deficiency (APCD) syndrome after vitamin K prophylaxis: a case report with delay supplementary feeding. Chanvitan P, et al. **J Med Assoc Thai** 1986 May;69(5):288-91

Vitamin K deficiency in infants [letter] **J Pediatr** 1985 Dec; 107(6):990

Role of vitamin K prophylaxis in newborn. Bindra AP. **Padiatr Padol** 1986;21(2):111–7

[Hemorrhage in the first weeks of life and vitamin K prevention] Rouw–Timmer EC, et al. **Ned Tijdschr Geneeskd** 1986 Mar 15;130(11):484–7 **(Dut)**

[The use of vitamin K as routine prophylactic treatment] Attias D, et al. **Harefuah** 1986 Feb 16;110(4):190–1 **(Heb)**

[Effect of vitamin K administration to the mother for prevention of vitamin K deficiency in the neonate] Tamura T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Jun; 38(6):880–6 (Eng. Abstr.) **(Jpn)**

[Effect of vitamins A, E and K on the indices of the glutathione antiperoxide system in gingival tissues in periodontosis] Khmelevskil IuV, et al. **Vopr Pitan** 1985 Jul–Aug;(4):54–6 (Eng. Abstr.) **(Rus)**

TOXICITY

The role of oxidative processes in the cytotoxicity of substituted 1,4–naphthoquinones in isolated hepatocytes. Ross D, et al. **Arch Biochem Biophys** 1986 Aug 1; 248(2):460–6

Oxidative stress studied in intact mammalian cells. Orrenius S. **Philos Trans R Soc Lond [Biol]** 1985 Dec 17; 311(1152):673–7

Induction of cell damage by menadione and benzo(a)pyrene–3,6–quinone in cultures of adult rat hepatocytes and human fibroblasts. Morrison H, et al. **Toxicol Lett** 1985 Oct;28(1):37–47

VITAMIN K 1 see PHYTONADIONE

VITAMIN K DEFICIENCY

BLOOD

Influence of the type of feeding on the presence of PIVKA–II in infants. Widdershoven J, et al. **Helv Paediatr Acta** 1986 May;41(1–2):25–9

Effects of vitamin K–deficient diets and fasting on blood coagulation factors in conventional and germ–free rats. Uchida K, et al. **Jpn J Pharmacol** 1986 Jan;40(1):115–22

Absence of abnormal prothrombin–crossed immunoelectrophoresis in fetuses during the second trimester of pregnancy [letter] Forestier F, et al. **Thromb Haemost** 1985 Aug 30;54(2):560

[Vitamin K deficiency in infants (letter)] Pietrsma–de Bruyn AL, et al. **Ned Tijdschr Geneeskd** 1986 Jun 7;130(23):1074–5 **(Dut)**

CHEMICALLY INDUCED

[The yet unexpected vitamin K deficiency] Joosten P, et al. **Ned Tijdschr Geneeskd** 1985 Mar 15;130(11):476–9 **(Dut)**

COMPLICATIONS

Vitamin K deficiency in chronic gastrointestinal disorders. **Nutr Rev** 1986 Jan;44(1):10–2

[Hemorrhage in the first weeks of life and vitamin K prevention] Rouw–Timmer EC, et al. **Ned Tijdschr Geneeskd** 1986 Mar 15;130(11):484–7 **(Dut)**

[Vitamin K deficiency in infants] Widdershoven JA, et al. **Ned Tijdschr Geneeskd** 1986 Mar 15;130(11):473–6 **(Dut)**

[Delayed hemorrhagic syndrome caused by hypovitaminosis K] Khaldi F, et al. **Pediatrie** 1985 Oct–Nov;40(7):577–80 (Eng. Abstr.) **(Fre)**

[Six cases of infantile intracranial hemorrhage due to vitamin K deficiency] Nakahara I, et al. **No To Hattatsu** 1986 Jan; 18(1):14–20 (Eng. Abstr.) **(Jpn)**

[Intracranial hemorrhage secondary to late onset hemorrhagic disease in the newborn infant] Badia Barnusell J, et al. **An Esp Pediatr** 1985 Nov 15;23(6):453–5 **(Spa)**

DIAGNOSIS

[Early vitamin K deficiency in newborn infants in Dakar] Diakhate L, et al. **Dakar Med** 1984;29(1):1–6 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Acquired prothrombin complex deficiency (APCD) syndrome after vitamin K prophylaxis: a case report with delay supplementary feeding. Chanvitan P, et al. **J Med Assoc Thai** 1986 May;69(5):288–91

Vitamin K deficiency in breast–fed infants [letter] von Kries R, et al. **J Pediatr** 1985 Oct;107(4):650–1

FAMILIAL & GENETIC

[Hemorrhagic tissue necrosis and functional protein C deficiency in monoclonal gammopathy] Gruber A, et al. **Orv Hetil** 1986 May 25;127(21):1257–60 (Eng. Abstr.) **(Hun)**

METABOLISM

Liver and plasma levels of descarboxyprothrombin (PIVKA II) in vitamin K deficiency in rats. Harauchi T, et al. **Jpn J Pharmacol** 1986 Apr;40(4):491–9

OCCURRENCE

Latent vitamin K deficiency in healthy infants [letter] von Kries R, et al. **Lancet** 1985 Dec 21–28;2(8469–70):1421–2

PREVENTION & CONTROL

Vitamin K deficiency in infants [letter] **J Pediatr** 1985 Dec; 107(6):990

[Effect of vitamin K administration to the mother for prevention of vitamin K deficiency in the neonate] Tamura T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Jun; 38(6):880–6 (Eng. Abstr.) **(Jpn)**

VITAMIN M see FOLIC ACID

VITAMIN P COMPLEX see BIOFLAVONOIDS

VITAMIN PP see NICOTINAMIDE

VITAMIN U see under VITAMINS

VITAMINS

Change in Theragran formulation [letter] Visconti JA, et al. **Am J Hosp Pharm** 1985 Oct;42(10):2145

Nutrient intake and supplementation in the United States (NHANES II). Koplan JP, et al. **Am J Public Health** 1986 Mar;76(3):287–9

ABC of nutrition. Vitamins I. Truswell AS. **Br Med J [Clin Res]** 1985 Oct 12;291(6501):1033–5

ABC of nutrition. Vitaminr II. Truswell AS. **Br Med J [Clin Res]** 1985 Oct 19;291(6502):1103–6

Immunological enhancement by fat–soluble vitamins, minerals, and trace metals: a factor in cancer prevention. Watson RR. **Cancer Detect Prev** 1986;9(1–2):67–77

Prescribing in pregnancy. Mineral and vitamin supplements. Drife J, et al. **Clin Obstet Gynaecol** 1986 Jun;13(2):253–67 (86 ref.)

Use of vitamin supplements in Finland. Klaukka T, et al. **Eur J Clin Pharmacol** 1985;29(3):355–61

Dietary studies of children from a biracial population: intakes of vitamins in 10– and 13–year–olds. Farris RP, et al. **J Am Coll Nutr** 1985;4(5):539–52

Vitamin supplement use in a Southern California retirement community. Gray GE, et al. **J Am Diet Assoc** 1986 Jun; 86(6):800–2

Vitamin/mineral supplement use: a telephone survey of adults in the United States. Stewart ML, et al. **J Am Diet Assoc** 1985 Dec;85(12):1585–90

Generic descriptors and trivial names for vitamins and related compounds. **J Nutr** 1986 Jan;116(1):8–16

Vitamins and coenzymes. Part G. **Methods Enzymol** 1986; 122:1–456

The effect of adding essential amino acids and vitamins to the rations of broilers. Al–Nasser AY, et al. **Poult Sci** 1986 Apr;65(4):742–8

Use of medications and vitamin–mineral supplements by children and youths. Kovar MG. **Public Health Rep** 1985 Sep–Oct;100(5):470–3

[Effect of the absence of vitamins in the diet on the excretion of giardia cysts: experimental study] Gimeno C, et al. **An Esp Pediatr** 1985 Jul;23(1):12–6 (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

Multivitamin–mineral supplementation: effects on blood chemistries of college–age women. Spiller GA, et al. **Acta Vitaminol Enzymol** 1985;7(3–4):217–22

Nutritional supplement use by patients in a rural family practice. Sobal J, et al. **J Am Coll Nutr** 1986;5(3):313–6

Nutritional status of children and teenagers in relation to vitamin and mineral use. Bowering J, et al. **J Am Diet Assoc** 1986 Aug;86(8):1033–8

Vitamin and mineral usage in adult family practice patients [letter] Dannehower L, et al. **J Fam Pract** 1985 Nov; 21(5):338

Normal vitamin requirements in neonates and infants. Bates CJ. **J Inherited Metab Dis** 1985;8 Suppl 1:8–12 (35 ref.)

Effect of enteral feeding bag composition and freezing and thawing upon vitamin stability in an enteral feeding solution. Davis AT, et al. **JPEN J Parenter Enteral Nutr** 1986 Mar–Apr;10(2):245–6

Gelatin as a vehicle for food and vitamin administration to marmosets. Pereira LH, et al. **Lab Anim Sci** 1986 Apr; 36(2):189–90

Misconceptions about preconceptional care [editorial] **Lancet** 1985 Nov 9;2(8463):1046–7

Evaluation of a pediatric multiple vitamin preparation for total parenteral nutrition. II. Blood levels of vitamins A, D, and E. Greene HL, et al. **Pediatrics** 1986 Apr; 77(4):539–47

Evaluation of a pediatric multiple vitamin preparation for total parenteral nutrition in infants and children. I. Blood levels of water–soluble vitamins. Moore MC, et al. **Pediatrics** 1986 Apr;77(4):530–8

Megavitamins and hyperactivity [letter] Rimland B. **Pediatrics** 1986 Aug;78(2):374–5

[Biochemical markers of vitamin supply] Brubacher G. **Rev Epidemiol Sante Publique** 1985;33(4–5):324–30 (Eng. Abstr.) **(Fre)**

[Therapeutic use of a combination containing calcium, vitamins, pantethine and carnitine in convalescence states in childhood] Canonaco F, et al. **Clin Ter** 1985 Oct 31; 115(2):95–9 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Toxicity of vitamins: complications of a health movement. Evans CD, et al. **Br Med J [Clin Res]** 1986 Feb 22; 292(6519):509–10 (17 ref.)

ANALYSIS

Effect of ageing process on the content of certain vitamins in rat serum and liver. Wartanowicz M, et al. **Acta Physiol Pol** 1984 Jul–Aug;35(4):338–45

Changes in specific nutrients in breast milk during extended lactation. Karra MV, et al. **Am J Clin Nutr** 1986 Apr; 43(4):495–503

Homogeneous enzyme–linked competitive binding assay for the rapid determination of folate in vitamin tablets. Bachas LG, et al. **Anal Chem** 1986 Apr;58(4):956–61

Vitamin status of patients with burning mouth syndrome and the response to replacement therapy. Lamey PJ, et al. **Br Dent J** 1986 Feb 8;160(3):81–4

National Bureau of Standards reference materials as organic nutrient standards: a preliminary study. Tanner JT, et al. **J Assoc Off Anal Chem** 1985 Nov–Dec;68(6):1084–6

Determination of biotin in multivitamin pharmaceutical preparations by high–performance liquid chromatography with electrochemical detection. Kamata K, et al. **J Chromatogr** 1986 Apr 4;356(2):326–30

Analysis of the fat–soluble vitamins using narrow–bore high–performance liquid chromatography with multichannel UV–VIS detection. Mulholland M, et al. **J Chromatogr** 1985 Dec 20;350(1):285–91

Nutrient content of milk and milk products: water soluble vitamins in baby milk formulae. Scott KJ, et al. **J Dairy Res** 1985 Nov;52(4):521–8

Vitamins and coenzymes. Part H. **Methods Enzymol** 1986; 123:1–476

Spectrodensitometric determination of nicotinamide in some multivitamin preparations. Ismaiel SA, et al. **Pharmazie** 1985 Nov;40(11):804–5

Content of selected nonprotein components in poultry bone residue. Young LL, et al. **Poult Sci** 1986 Jun;65(6):1214–6

[Vitamin and trace element balance during extremely prolonged parenteral nutrition] Lévy A, et al. **Cah Anesthesiol** 1985 Jun–Jul;33(4):353–9 **(Fre)**

[Densitometric determination of nicotinamide in multivitamin preparations after thin layer chromatographic separation] Ropte D, et al. **Pharmazie** 1985 Nov;40(11):793–4 (Eng. Abstr.) **(Ger)**

BLOOD

"ESVITAF". Survey on the vitamin status of the French: relationships between nutrient intake and biochemical indicators. Herbeth B, et al. **Acta Vitaminol Enzymol** 1985; 7(3–4):207–15

Blood vitamin and choline concentrations in healthy domestic cats, dogs, and horses. Baker H, et al. **Am J Vet Res** 1986 Jul;47(7):1468–71

ESVITAF. Vitamin status in three groups of French adults: controls, obese subjects, alcohol drinkers. **Ann Nutr Metab** 1986;30 Suppl 1:1–94 **(Eng, Fre)**

Dietary risk factors for cancer in the Basel Study. Stähelin HB, et al. **Bibl Nutr Dieta** 1986;(37):144–53

Reference intervals for vitamins B1, B2, E, D, retinol, beta–carotene, and folate in blood: usefulness of dietary selection criteria. Herbeth B, et al. **Clin Chem** 1986 Sep; 32(9):1756–9

Impact of hormonal contraceptives vis–à–vis non–hormonal factors on the vitamin status of malnourished women in India and Thailand. World Health Organization: Special Programme of Research, Development and Research Training in Human Reproduction. Task Force on Oral Contraceptives. Joshi UM, et al. **Hum Nutr Clin Nutr** 1986 May;40(3):205–20

Deranged concentrations of water–soluble vitamins in the blood of undialyzed and dialyzed patients with chronic renal failure. Marumo F, et al. **Int J Artif Organs** 1986 Jan;9(1):17–24

The influence of radiotherapy and chemotherapy on the vitamin status of cancer patients. Schreurs WH, et al. **Int J Vitam Nutr Res** 1985;55(4):425–32

Biochemical evaluation of the vitamin and iron status of an apparently healthy Dutch free–living elderly population. Comparison with younger adults. Schrijver J, et al. **Int J Vitam Nutr Res** 1985;55(3):337–49

Vitamins and continuous ambulatory peritoneal dialysis (CAPD). Mydlík M, et al. **Int Urol Nephrol** 1985; 17(3):281–6

Longitudinal follow–up of chronic hemodialysis patients without vitamin supplementation. Ramirez G, et al. **Kidney Int** 1986 Jul;30(1):99–106

Correlations of values of micronutrients in sera with gastric pathology. Haenszel W, et al. **Natl Cancer Inst Monogr** 1985 Dec;69:115–9

[Long–term therapy of familial hypercholesterolemia in young patients with colestipol: availability of minerals and vitamins] Schlierf G, et al. **Klin Wochenschr** 1985 Sep 2; 63(17):802–6 (Eng. Abstr.) **(Ger)**

[Lipid indicators of the lipoprotein spectrum and plasma vitamin levels in boys aged 11–12 years living in Moscow] Maslennikova GIa, et al. **Vestn Akad Med Nauk SSSR** 1985; (12):42–7 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

[Hygienic characteristics of working conditions in the manufacture of synthetic vitamins] Nemchinov NN, et al.

Gig Tr Prof Zabol 1985 Aug;(8):20–3 (Eng. Abstr.) (Rus)

METABOLISM

Vitamin levels in chronic renal failure and need for supplementation. Stein G, et al. Blood Purif 1985; 3(1–3):52–62

Gordon memorial lecture. The biologists' debt to the domestic fowl. Coates ME. Br Poult Sci 1986 Mar; 27(1):3–10

Transport and metabolism of vitamins. Rose RC, et al. Fed Proc 1986 Jan;45(1):30–9

Intestinal transport of vitamins. Rose RC. J Inherited Metab Dis 1985;8 Suppl 1:13–6 (14 ref.)

Metabolism of ethanol and associated interactions with other drugs, carcinogens, and vitamins. Lieber CS. NY State J Med 1986 Jun;86(6):297–302

Bioavailability of vitamins. Sauberlich HE. Prog Food Nutr Sci 1985;9(1–2):1–33 (234 ref.)

[Effect of different doses of ultraviolet radiation on vitamin provision to the human body] Belakovskii MS, et al. Kosm Biol Aviakosm Med 1986 Jan–Feb;20(1):56–61 (Eng. Abstr.) (Rus)

[Vitamin allowance of workers engaged in the manufacture of phosphorus] Aldashev AA, et al. Vopr Pitan 1985 Jul–Aug;(4):15–8 (Eng. Abstr.) (Rus)

[Vitamin allowance of cosmonauts during preflight training and after completing short space flights] Bogdanov NG, et al. Vopr Pitan 1986 May–Jun;(3):28–31 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Dietary antioxidants and cancer. Milner JA. ASDC J Dent Child 1986 Mar–Apr;53(2):140–3

Antimutagenic activity of some naturally occurring compounds towards cigarette-smoke condensate and benzo[a]pyrene in the Salmonella/microsome assay. Terwel L, et al. Mutat Res 1985 Oct;152(1):1–4

The effect of vitamin and mineral supplements and health foods on physical endurance and performance. Bruce A, et al. Proc Nutr Soc 1985 Jul;44(2):283–95

Protein/platelet interaction with an artificial surface: effect of vitamins and platelet inhibitors. Chandy T, et al. Thromb Res 1986 Jan 1;41(1):9–22

[Interaction of functionally coupled vitamins in the distribution and metabolism of [14C]nicotinic acid in tissues and blood cells] Rozanov AIa, et al. Biokhimiia 1985 Sep; 50(9):1399–405 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Vitamins: an evolutionary perspective. Scriver CR. J Inherited Metab Dis 1985;8 Suppl 1:2–7 (22 ref.)

Changes of vitamin status and calcium metabolism in aging. Moriuchi S, et al. J Nutr Sci Vitaminol (Tokyo) 1985 Dec; 31 Suppl:S11–4 (12 ref.)

Vitamins: physiology and deficiency states. Rolig EC. Nurse Pract 1986 Jul;11(7):38, 43–4, 46–8

Trace elements and vitamins in membrane function. Fraser DR. Proc Nutr Soc 1985 Jul;44(2):173–9

[Role of vitamins in the process of aging] Wartanowicz M, et al. Acta Physiol Pol 1984;35 Suppl 27:142–66 (106 ref.) (Pol)

THERAPEUTIC USE

Thyroid and vitamin–mineral supplement fail to improve IQ of mentally retarded adults. Chanowitz J, et al. Am J Ment Defic 1985 Sep;90(2):217–9

Pharmacists give dubious advice [letter] Graves DA. Am Pharm 1986 Apr;NS26(4):6

Diet and chemoprevention in NCI's research strategy to achieve national cancer control objectives. Greenwald P, et al. Annu Rev Public Health 1986;7:267–91 (78 ref.)

Recurrent neural tube defects, risk factors and vitamins. Wild J, et al. Arch Dis Child 1986 May;61(5):440–4

Vitamin supplements to Indian women using low dosage oral contraceptives. Bamji MS, et al. Contraception 1985 Oct; 32(4):405–16

Use of nutritional supplements in a retirement community. Sobal J, et al. Gerontologist 1986 Apr;26(2):187–91

Effect of various doses of some vitamins on nonspecific mechanisms of adaptation in man. Novikov VS, et al. Hum Physiol 1985 Jan–Feb;11(1):62–5

Vitamin requirements of intravenously fed man. Lowry SF, et al. J Environ Pathol Toxicol Oncol 1985 Jul;5(6):91–102

Periconceptional vitamin supplementation and the prevention of neural tube defects [letter] Jongbloet PH. J Med Genet 1985 Oct;22(5):411–3

Evaluating vitamin prophylaxis for cancer [news] Simmons K. JAMA 1986 Apr 11;255(14):1832, 1835

Some considerations in the design of a nutrition intervention trial in Linxian, People's Republic of China. Blot WJ, et al. Natl Cancer Inst Monogr 1985 Dec;69:29–34

A pilot vitamin intervention trial in Linxian, People's Republic of China. Li JY, et al. Natl Cancer Inst Monogr 1985 Dec;69:19–22

Nutritional status of the high esophageal cancer risk population in Linxian, People's Republic of China: effects of vitamin supplementation. Yang CS, et al. Natl Cancer Inst Monogr 1985 Dec;69:23–7

Vitamin supplementation and megadoses. Blair KA. Nurse Pract 1986 Jul;11(7):19–26, 31–6

Do nutrient supplements and dietary changes affect learning and emotional reactions of children with learning difficulties? A controlled series of 16 cases. Colgan M, et al. Nutr Health 1984;3(1–2):69–77

Interaction of ethanol with drugs and vitamin therapy. Lieber CS. Ration Drug Ther 1985 Nov;19(11):1–7

Streptococcal meningitis in pigs: field trial to compare the effects of two different treatments. Guise HJ, et al. Vet Rec 1985 Jul 20;117(3):65–6

[Effect of diazepam, carbamazepine, sodium valproate and their combinations with vitamin preparations on epileptic activity] Kryzhanovskil GN, et al. Biull Eksp Biol Med 1985 Nov;100(11):545–7 (Eng. Abstr.) (Rus)

[Effectiveness of supplementary vitaminization and ultraviolet irradiation of female workers in a sewing shop] Garas'ko EV, et al. Gig Sanit 1985 Aug;(8):83–4 (Rus)

[Results of using Vitafluor for dental caries prevention in 1st graders in Brest] Petrushko OE, et al. Stomatologiia (Mosk) 1985 May–Jun;64(3):84–5 (Rus)

[Use of quadevit and bicillin in the complex anti-recurrence treatment of rheumatism] Farima SA. Vrach Delo 1986 Jun; (6):30–3 (Eng. Abstr.) (Rus)

[A Finnish study on minerals and vitamins] Nord Med 1985; 100(8–9):224–5 (Eng. Abstr.) (Swe)

TOXICITY

[Effect of adrenal cortical function on exposure to yeast-like fungal producers and to the dust from a protein–vitamin concentrate preparation in an experiment] Sosedova LM, et al. Gig Tr Prof Zabol 1985 Aug;(8):30–3 (Eng. Abstr.) (Rus)

[Effect of prolonged intake of decamevit on the body] Zapadniuk VI, et al. Vrach Delo 1986 Jul;(7):88–90 (Eng. Abstr.) (Rus)

VITELLINE DUCT

An unusual variant of omphalomesenteric duct. Spencer M, et al. Mo Med 1985 Sep;82(9):603–4

BLOOD SUPPLY

Chronic ileal obstruction in adults due to peri-ileal vitelline vascular remnants. Silver MM, et al. Can J Surg 1986 Mar; 29(2):125–6

PHYSIOPATHOLOGY

[Disorders in the involution of the vitelline duct. Experience in the last 10 years] Puchades Gil F, et al. Rev Esp Enferm Apar Dig 1986 Mar;69(3):223–7 (Eng. Abstr.) (Spa)

VITELLINE MEMBRANE

ANALYSIS

Isolation, characterization and localization of a lectin within the vitelline membrane of the hen's egg. Cook GM, et al. J Embryol Exp Morphol 1985 Dec;90:389–407

ENZYMOLOGY

Egg white lysozyme is the major protein of the hen's egg vitelline membrane. De Boeck S, et al. Int J Biochem 1986; 18(7):617–22

Conformational control of ovoperoxidase catalysis in the sea urchin fertilization membrane. Deits TL, et al. J Biol Chem 1986 Sep 15;261(26):12159–65

METABOLISM

The vitelline envelope to fertilization envelope conversion in eggs of Xenopus laevis. Gerton GL, et al. Dev Biol 1986 Jul;116(1):1–7

Mode of interaction between lysozyme and the other proteins of the hen's egg vitelline membrane. De Boeck S, et al. Int J Biochem 1986;18(7):623–8

The coelomic envelope to vitelline envelope conversion in eggs of Xenopus laevis. Gerton GL, et al. J Cell Biochem 1986;30(4):341–50

ULTRASTRUCTURE

Use of the fluorochrome propidium iodide for the identification of Xenopus germ plasm during immunofluorescence studies. Smith RC, et al. Anat Rec 1985 Dec;213(4):518–9, 536–7

VITELLOGENESIS

Intercellular voltage gradient between oocyte and nurse cell in a polychaete. Emanuelsson H, et al. Exp Cell Res 1985 Dec;161(2):558–61

The extracellular electrical current pattern and its variability in vitellogenic Drosophila follicles. Bohrmann J, et al. J Cell Sci 1986 Mar;81:189–206

Albumin localization in the frog hepatocyte during vitellogenesis as revealed by protein A–gold immunocytochemistry. Herbener GH, et al. J Histochem Cytochem 1986 May;34(5):665–71

Endocrine and genetic regulation of vitellogenesis in drosophila. Postlethwait JH, et al. Prog Clin Biol Res 1986; 205:33–52 (43 ref.)

DRUG EFFECTS

The effect of sublethal cyanide exposure on plasma vitellogenin levels in rainbow trout (Salmo gairdneri) during early vitellogenesis. Ruby SM, et al. Arch Environ Contam Toxicol 1986 Sep;15(5):603–7

Nuclear protein, matrix and structural changes in rooster liver after estrogenic induction of vitellogenesis. Brasch K, et al. Biol Cell 1985;54(2):109–21

Increased clearance rate of plasma thyroxine accompanies estradiol-induced vitellogenesis in male Japanese quail. Robinson GA, et al. Poult Sci 1985 Dec;64(12):2397–9

Effect of lindane on clutch size and level of egg yolk protein in domestic duck. Chakravarty S, et al. Toxicology 1986 Apr;39(1):93–103

VITELLOGENIN

ANALYSIS

Vitellogenin levels in male and female rainbow trout (Salmo gairdneri Richardson) at various stages of the reproductive cycle. Copeland PA, et al. Comp Biochem Physiol [B] 1986; 83(2):487–93

BIOSYNTHESIS

Selective inhibitory effects of thyroid hormones on estrogen-induced protein synthesis in chick embryo liver. Elbrecht A, et al. Can J Biochem Cell Biol 1985 Dec; 63(12):1206–11

Identification of the vitellogenin proteins in the newt Pleurodeles waltl (urodele amphibian). Cayrol C, et al. Comp Biochem Physiol [B] 1986;83(1):135–42

Yolk proteins and their plasmatic precursor in the tetraploid Odontophrynus americanus (Amphibia, Anura). Winter CE, et al. Comp Biochem Physiol [B] 1985;82(3):515–24

Processing of pro-vitellogenin in insect fat body: a role for high-mannose oligosaccharide. Wojchowski DM, et al. Dev Biol 1986 Aug;116(2):422–30

Effects of antiestrogens on the induction of vitellogenin and its mRNA in Xenopus laevis. Riegel AT, et al. J Steroid Biochem 1986 Jun;24(6):1141–9

Estrogen-mediated induction of a vitellogenin-specific nonhistone chromatin protein in the male chicken liver. Nakayama T, et al. MGG 1985;201(2):252–7

Hymenolepis diminuta: influence of metacestodes on synthesis and secretion of fat body protein and its ovarian sequestration in the intermediate host, Tenebrio molitor. Hurd H, et al. Parasitology 1986 Aug;93 (Pt 1):111–20

BLOOD

The effect of sublethal cyanide exposure on plasma vitellogenin levels in rainbow trout (Salmo gairdneri) during early vitellogenesis. Ruby SM, et al. Arch Environ Contam Toxicol 1986 Sep;15(5):603–7

Induction, isolation and a characterization of the lipid content of plasma vitellogenin from two Salmo species: rainbow trout (Salmo gairdneri) and sea trout (Salmo trutta). Norberg B, et al. Comp Biochem Physiol [B] 1985; 81(4):869–76

GENETICS

Expression-linked demethylation of 5-methylcytosines in the chicken vitellogenin gene region. Philipsen JN, et al. Biochim Biophys Acta 1985 Dec 18;826(4):186–94

Vitellogenin genes and their products in closely and distantly related species of Xenopus. Baker BS, et al. Comp Biochem Physiol [B] 1985;82(3):497–505

Visualization of RNA polymerase II ternary transcription complexes formed in vitro on a Xenopus laevis vitellogenin gene. Otto Heggeler B, et al. EMBO J 1985 Sep;4(9):2269–73

Optimized genomic sequencing as a tool for the study of cytosine methylation in the regulatory region of the chicken vitellogenin II gene. Saluz H, et al. Gene 1986; 42(2):151–7

Differential induction of vitellogenin gene transcription and total transcriptional activity by estrogen in Xenopus laevis liver. Martin MB, et al. J Biol Chem 1986 Feb 15; 261(5):2355–61

Characterization of regions of the Caenorhabditis elegans X chromosome containing vitellogenin genes. Heine U, et al. J Mol Biol 1986 Apr 5;188(3):301–12

The Vi element. A transposon-like repeated DNA sequence interspersed in the vitellogenin locus of Xenopus laevis. Schubiger JL, et al. J Mol Biol 1985 Dec 5;186(3):491–503

Differential estrogen responsiveness of the vitellogenin and apo very low density lipoprotein II genes in the rooster liver. Noteborn MH, et al. J Steroid Biochem 1986 Jan; 24(1):281–5

The Caenorhabditis elegans vitellogenin gene family includes a gene encoding a distantly related protein. Spieth J, et al. Mol Cell Biol 1985 Oct;5(10):2495–501

The nucleotide sequence of a nematode vitellogenin gene. Spieth J, et al. Nucleic Acids Res 1985 Oct 11; 13(19):7129–38

In vitro secondary activation (memory effect) of avian vitellogenin II gene in isolated liver nuclei. Jost JP, et al. Proc Natl Acad Sci USA 1986 Jan;83(1):43–7

Expression of the vitellogenin gene in female and male sea urchin. Shyu AB, et al. Proc Natl Acad Sci USA 1986 Jun; 83(11):3865–9

Endocrine and genetic regulation of vitellogenesis in

drosophila. Postlethwait JH, et al. **Prog Clin Biol Res** 1986; 205:33–52 (43 ref.)

[Mechanism of expression of the vitellogenin gene] Nakayama T. **Tanpakushitsu Kakusan Koso** 1985 Dec;30(14 Suppl):1649–58 **(Jpn)**

IMMUNOLOGY

Immunological characterization of the vitellogenic proteins in Squilla mantis hemolymph (Crustacea, Stomatopoda). Marzari R, et al. **Exp Biol** 1986;45(2):75–80

ISOLATION & PURIFICATION

Physical and chemical properties of microvitellogenin. A protein from the egg of the tobacco hornworm moth, Manduca sexta. Kawooya JK, et al. **J Biol Chem** 1986 Aug 15;261(23):10844–9

METABOLISM

Immunocytochemical localization of a non-vitellogenin, estrogen-induced plasma protein in the hepatocyte of the American bullfrog, Rana catesbeiana. Herbener GH, et al. **Eur J Cell Biol** 1985 Nov;39(1):142–6

PHYSIOLOGY

Internalized proteins directed into accumulative compartments of mosquito oocytes by the specific ligand, vitellogenin. Raikhel AS, et al. **Tissue Cell** 1986; 18(4):539–74

SECRETION

Lysosomes in the cessation of vitellogenin secretion by the mosquito fat body; selective degradation of Golgi complexes and secretory granules. Raikhel AS. **Tissue Cell** 1986;18(1):125–42

VITILIGO

BLOOD

[Hemostatic indices of vitiligo patients] Rakhmatov AB, et al. **Vestn Dermatol Venerol** 1985 Jul;(7):56–9 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Vitiligo and biliary cirrhosis [letter] Zauli D, et al. **Am J Gastroenterol** 1986 Jan;81(1):91

Paget's bone disease, anaemia and vitiligo: a case report. Mavrikakis ME, et al. **Clin Exp Rheumatol** 1986 Jan–Mar; 4(1):57–9

Pellagroid dermatitis from mancozeb with vitiligo. Lisi P, et al. **Contact Dermatitis** 1985 Aug;13(2):124–5

Vitiligo and polyglandular autoimmune endocrinopathy. Bloch MH, et al. **Cutis** 1985 Nov;36(5):417–9, 421

A case of acquired leukoderma, associated with Hashimoto's thyroiditis. Shimamoto H, et al. **Hiroshima J Med Sci** 1986 Mar;35(1):49–52

Ocular disturbances in vitiligo. Cowan CL Jr, et al. **J Am Acad Dermatol** 1986 Jul;15(1):17–24

[Osseous choristoma in vitiligo] Spallek W, et al. **Z Hautkr** 1986 Feb 15;61(4):199–202 (Eng. Abstr.) **(Ger)**

[Appearance of vitiligo in patients with chronic discoid erythematosis] Passarini B, et al. **G Ital Dermatol Venereol** 1985 Nov–Dec;120(6):425–7 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Vitiligo. Dunn JF Jr. **Am Fam Physician** 1986 May; 33(5):137–43

DRUG THERAPY

Langerhans' cell population studies with OKT6 and HLA-DR monoclonal antibodies in vitiligo patients treated with oral phenylalanine loading and UVA irradiation. Westerhof W, et al. **Acta Derm Venereol (Stockh)** 1986; 66(3):259–62

The therapeutic effect of Sicorten ointment in patients with vitiligo. Han GZ, et al. **Br J Clin Pract** 1985 Nov–Dec; 39(11–12):434–6

Vitiligo treatment. Ortel B, et al. **Curr Probl Dermatol** 1986; 15:265–71

8-Methoxypsoralen levels in blood of vitiligo patients and in skin, ophthalmic fluids, and ocular tissues of the guinea pig. Chakrabarti SG, et al. **J Invest Dermatol** 1986 Aug; 87(2):276–9

Khellin photochemotherapy of vitiligo [editorial] Hönigsmann H, et al. **Photodermatol** 1985 Aug;2(4):193–4

[Treatment of vitiligo] Frenk E. **Hautarzt** 1986 Jan;37(1):1–5 (Eng. Abstr.) **(Ger)**

[Experience with the use of laser photochemotherapy in dermatology] Mandel' ASh. **Vestn Dermatol Venerol** 1985 Jul;(7):44–7 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Hyperpigmentation, vitiligo, and Addison's disease. Mulligan TM, et al. **Cutis** 1985 Oct;36(4):317–8, 322

Primary biliary cirrhosis and vitiligo [letter] Zauli D, et al. **J Am Acad Dermatol** 1986 Jul;15(1):105–7

[Role of trace elements in the pathogenesis of vitiligo] Vaisov ASh, et al. **Vestn Dermatol Venerol** 1985 Sep;(9):38–40 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Leopard vitiligo [letter] Bhargava RK. **Arch Dermatol** 1986 Apr;122(4):378–9

Deafness and vitiligo in an Italian family [letter] Tosti A, et al. **Dermatologica** 1986;172(3):178–9

Studies on vitiligo. II. Familial aggregation and genetics. Das SK, et al. **Genet Epidemiol** 1985;2(3):255–62

Dermatoglyphics in vitiligo. Iqbal S, et al. **Int J Dermatol** 1985 Oct;24(8):510–3

[The Gc system and vitiligo] Göring HD, et al. **Dermatol Monatsschr** 1986;172(5):254–6 **(Ger)**

IMMUNOLOGY

Incidence and significance of organ-specific autoimmune disorders (clinical, latent or only autoantibodies) in patients with vitiligo. Betterle C, et al. **Dermatologica** 1985; 171(6):419–23

Vitiligo-related pigment cell differentiation antigens are expressed on malignant melanoma cells following phenotypic reversion induced by contact inhibitory factor. Lipkin G, et al. **Differentiation** 1985;30(1):35–9

T cell profiles in vitiligo. Grimes PE, et al. **J Am Acad Dermatol** 1986 Feb;14(2 Pt 1):196–201

Aberrations in T lymphocytes and natural killer cells in vitiligo: a flow cytometric study. Halder RM, et al. **J Am Acad Dermatol** 1986 May;14(5 Pt 1):733–7

Alterations in cutaneous immune reactivity to dinitrofluorobenzene in graying C57BL/vi.vi mice. Rheins LA, et al. **J Invest Dermatol** 1986 May;86(5):539–42

Aetiology of vitiligo [editorial] **Lancet** 1971 Dec 11; 2(7737):1298–9

Antibodies to surface antigens of pigmented cells in animals with vitiligo. Naughton GK, et al. **Proc Soc Exp Biol Med** 1986 Mar;181(3):423–6

[Symptomatic tapetoretinal degeneration in pigment disorders of the skin: approaches to understanding the pathomechanism and therapy] Krastel H, et al. **Fortschr Ophthalmol** 1985;82(6):562–70 (Eng. Abstr.) **(Ger)**

[Autoantibodies in vitiligo. Clinical significance] Morgan M, et al. **Med Cutan Ibero Lat Am** 1986;14(2):139–42 (Eng. Abstr.) **(Spa)**

OCCURRENCE

Studies on vitiligo. I. Epidemiological profile in Calcutta, India. Das SK, et al. **Genet Epidemiol** 1985;2(1):71–8

PATHOLOGY

Delayed-amelanotic (DAM or Smyth) chicken: melanocyte dysfunction in vivo and in vitro. Boissy RE, et al. **J Invest Dermatol** 1986 Feb;86(2):149–56

[Sutton's nevus and achromia at a distance. Disappearance of the latter after excision of the nevus (letter)] Bennet A, et al. **Ann Dermatol Venereol** 1985;112(10):847–8 **(Fre)**

[Quantitative evaluation of the Langerhans cells in the skin of patients with vitiligo] Koshevenko IuN. **Vestn Dermatol Venerol** 1985 Oct;(10):18–21 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Sweating in vitiligo in relation to electrical skin resistance [letter] Sharquie KE, et al. **Clin Exp Dermatol** 1985 Nov; 10(6):598–9

PSYCHOLOGY

Psychosocial effect of vitiligo: a comparison of vitiligo patients with "normal" control subjects, with psoriasis patients, and with patients with other pigmentary disorders. Porter JR, et al. **J Am Acad Dermatol** 1986 Aug;15(2 Pt 1):220–4

SURGERY

[Skin implants in vitiligo] Machado Filho CD, et al. **Med Cutan Ibero Lat Am** 1985;13(3):243–6 (Eng. Abstr.) **(Por)**

THERAPY

L-Phenylalanine and UVA/sunlight for vitiligo [letter] Cormane RH, et al. **Arch Dermatol Res** 1985;277(6):509

VETERINARY

A mouse model for vitiligo. Lerner AB, et al. **J Invest Dermatol** 1986 Sep;87(3):299–304

VITRECTOMY

Vitreous surgery in patients with primary neuropathic amyloidosis. Sandgren O, et al. **Acta Ophthalmol (Copenh)** 1985 Aug;63(4):383–8

Vitrectomy in double perforating eye injuries. Vatne HO, et al. **Acta Ophthalmol (Copenh)** 1985 Oct;63(5):552–6

Endophotocoagulation in vitrectomy with a carbon dioxide laser. Karlin D, et al. **Am J Ophthalmol** 1986 Apr 15; 101(4):445–50

Surgical vitrectomy for pseudophakic malignant glaucoma. Lynch MG, et al. **Am J Ophthalmol** 1986 Aug 15; 102(2):149–53

The three-port microcannular system for closed vitrectomy. Machemer R, et al. **Am J Ophthalmol** 1985 Oct 15; 100(4):590–2

A modified technique for performing outpatient fluid-air exchange following vitrectomy surgery. Miller JA, et al. **Am J Ophthalmol** 1986 Jan 15;101(1):116–7

Vitrectomy for double penetrating ocular injuries. Ramsay RC, et al. **Am J Ophthalmol** 1985 Oct 15;100(4):586–9

The influence of aphakia and vitrectomy on experimental retinal toxicity of aminoglycoside antibiotics. Talamo JH, et al. **Am J Ophthalmol** 1985 Dec 15;100(6):840–7

Early vitrectomy for severe vitreous hemorrhage in diabetic retinopathy. Two-year results of a randomized trial. Diabetic Retinopathy Vitrectomy Study report 2. The Diabetic Retinopathy Vitrectomy Study Research Group. **Arch Ophthalmol** 1985 Nov;103(11):1644–52

Fluid-gas exchange and photocoagulation after vitrectomy. Indications, technique, and results. Blumenkranz M, et al. **Arch Ophthalmol** 1986 Feb;104(2):291–6

Macular infarction after endophthalmitis treated with vitrectomy and intravitreal gentamicin. Conway BP, et al. **Arch Ophthalmol** 1986 Mar;104(3):367–71

The effect of intraocular silicone oil on anterior chamber oxygen pressure in cats. de Juan E Jr, et al. **Arch Ophthalmol** 1986 Jul;104(7):1063–4

Office procedures following vitreoretinal surgery [letter] Fletcher RC. **Arch Ophthalmol** 1985 Nov;103(11):1631, 1633

Aqueous concentrations of fluorouracil after intravitreal injection. Normal, vitrectomized, and silicone-filled eyes. Orr G, et al. **Arch Ophthalmol** 1986 Mar;104(3):431–4

Results of vitrectomy in children. Manning LM. **Aust N Z J Ophthalmol** 1986 Feb;14(1):75–8

Pars plana vitrectomy and intravitreal silicone oil injection in eyes with rubeosis iridis. deCorral LR, et al. **Can J Ophthalmol** 1986 Feb;21(1):10–2

Comparison of vitreous replacement with Healon and with HPMC in rabbits' eyes. Koster R, et al. **Doc Ophthalmol** 1986 Jan 15;61(3–4):247–53

Vitrectomy and fluid/silicone-oil exchange for giant retinal tears: results at 18 months. Billington BM, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(1):7–10

The treatment of macular holes by pars plana vitrectomy and internal air/SF6 exchange. Chignell AH, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(1):67–8

Recurrent proliferations in macular pucker, diabetic retinopathy, and retrolental fibroplasialike disease after vitrectomy. de Juan E Jr, et al. **Graefes Arch Clin Exp Ophthalmol** 1985;223(4):174–83

Combined vitrectomy and scleral resection in the therapy of massive epiretinal fibrous membranes due to diabetic retinopathy. Freyler H. **Graefes Arch Clin Exp Ophthalmol** 1986;224(1):60–1

The use of silicone oil following failed vitrectomy for retinal detachment with advanced proliferative vitreoretinopathy. McCuen BW, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(1):38–9

Pars plana vitrectomy and buckling in management of complex rhegmatogenous retinal detachment. Doshi H, et al. **Indian J Ophthalmol** 1983;31 Suppl:872–7

Intravitreal dislocation of a cataractous lens immediately following retrobulbar injection [letter] Hara T, et al. **J Cataract Refract Surg** 1986 Jan;12(1):62–3

Sodium hyaluronate (Healon) in closed vitrectomy. Folk JC, et al. **Ophthalmic Surg** 1986 May;17(5):299–306

Pars plana lensectomy and vitrectomy by ultrasonic fragmentation: Part III--Results in eyes without other ocular pathology or an implant. Girard LJ, et al. **Ophthalmic Surg** 1985 Dec;16(12):765–8

Silicone oil particles trapped in the subretinal space: complications after substitution of the vitreous. Honda Y, et al. **Ophthalmologica** 1986;192(1):1–5

Amphotericin clearance in vitrectomized versus nonvitrectomized eyes. Doft BH, et al. **Ophthalmology** 1985 Nov;92(11):1601–5

Vitrectomy for chronic aphakic cystoid macular edema. Results of a national, collaborative, prospective, randomized investigation. Fung WE. **Ophthalmology** 1985 Aug;92(8):1102–11

The use of silicone oil following failed vitrectomy for retinal detachment with advanced proliferative vitreoretinopathy. McCuen BW 2d, et al. **Ophthalmology** 1985 Aug; 92(8):1029–34

Timing of vitrectomy for active proliferative diabetic retinopathy. Ramsay RC, et al. **Ophthalmology** 1986 Mar; 93(3):283–9

Prognostic factors in vitrectomy for epiretinal membranes of the macula. Rice TA, et al. **Ophthalmology** 1986 May; 93(5):602–10

Comparison of intraocular irrigating solutions in pars plana vitrectomy. Rosenfeld SI, et al. **Ophthalmology** 1986 Jan; 93(1):109–15

The use of intravitreal thrombin to control hemorrhage during vitrectomy. Thompson JT, et al. **Ophthalmology** 1986 Mar;93(3):279–82

Preoperative electroretinograms and visual evoked cortical potentials for predicting outcome of vitrectomy in diabetics. Algvere P, et al. **Retina** 1985 Summer–Fall; 5(3):179–83

Pathologic study following vitrectomy for proliferative diabetic retinopathy. Foos RY, et al. **Retina** 1985 Spring-Summer;5(2):101-6

Hemorrhage of major branch retinal artery during vitrectomy. Klein RM. **Retina** 1986 Spring-Summer; 6(2):123-4

Vitrectomy for excision of intraocular larva (hypoderma species). Rapoza PA, et al. **Retina** 1986 Spring-Summer; 6(2):99-104

[Vitrectomy in retinal detachment] Limon S. **Annee Ther Clin Ophtalmol** 1985;36:153-8 (Fre)

[Vitrectomy and complications of proliferating diabetic retinopathy] Bonnet M, et al. **Bull Soc Ophtalmol Fr** 1985 May;85(5):551-5 (Fre)

[Retinal detachment caused by a macular hole. Apropos of 7 cases treated by vitrectomy and internal tamponade] Brasseur G, et al. **Bull Soc Ophtalmol Fr** 1985 Jan; 85(1):67-9 (Eng. Abstr.) (Fre)

[Vitrectomy in the treatment of vitreous opacities--observations prompted by a review of 30 surgical cases in the Strasbourg clinic] Gerhard JP, et al. **Bull Soc Ophtalmol Fr** 1985 Jan;85(1):133-6 (Eng. Abstr.) (Fre)

[Indications, technic and results of the use of SF6 with vitrectomy in the treatment of retinal detachment] Haut J, et al. **Bull Soc Ophtalmol Fr** 1985 Aug-Sep;85(8-9):863-5 (Fre)

[Vitrectomy and retinal detachment in aphakia] Jouhaud F, et al. **Bull Soc Ophtalmol Fr** 1985 Jan;85(1):139-40 (Eng. Abstr.) (Fre)

[Value of early vitrectomy in Behçet's disease complicated with hyalitis, apropos of 20 cases] Limon S, et al. **Bull Soc Ophtalmol Fr** 1985 Mar;85(3):363-5 (Fre)

[Vitrectomy in Terson's syndrome] Turut P, et al. **Bull Soc Ophtalmol Fr** 1984 Oct;84(10):1129-32 (Eng. Abstr.) (Fre)

[Use of the technic of air-serum exchange after vitrectomy in the surgical treatment of retinal detachment] Vallat M, et al. **Bull Soc Ophtalmol Fr** 1985 Aug-Sep;85(8-9):969-71 (Fre)

[Treatment of retinal detachments with central foramina in highly myopic eyes] Tavakolian U, et al. **Fortschr Ophthalmol** 1985;82(6):553-5 (Eng. Abstr.) (Ger)

[Vitrectomy: measures for the prevention of intraoperative complications] Faulborn J. **Klin Monatsbl Augenheilkd** 1986 Apr;188(4):322-4 (Eng. Abstr.) (Ger)

[Vitrectomy and subsequent photocoagulation in proliferative diabetic retinopathy with vitreous hemorrhage] Gerke E, et al. **Klin Monatsbl Augenheilkd** 1986 Jan;188(1):5-8 (Eng. Abstr.) (Ger)

[Epiretinal gliosis (macular pucker)--indications for vitrectomy in relation to the retinometer value] Kroll P, et al. **Klin Monatsbl Augenheilkd** 1985 Sep;187(3):202-4 (Eng. Abstr.) (Ger)

[Vitreous surgery in proliferative vitreoretinopathy] Takeuchi S. **Nippon Ganka Gakkai Zasshi** 1985 Aug; 89(8):967-76 (Eng. Abstr.) (Jpn)

[Simultaneous lensectomy and vitrectomy in the treatment of complications of uveitis in children] Kornacki B, et al. **Klin Oczna** 1985 Aug;87(8):327-9 (Eng. Abstr.) (Pol)

[Comparative evaluation of the results of preoperative ultrasonic diagnosis and ophthalmoscopic data acquired at the time of and following vitrectomy in patients with intravitreal hemorrhage] Glinchuk IaI, et al. **Oftalmol Zh** 1985;(5):267-8 (Eng. Abstr.) (Rus)

[Acoustic scanning in determining the indications for and the evaluation of the effectiveness of vitrectomy in traumatic hemophthalmia] Fridman FE, et al. **Vestn Oftalmol** 1986 Mar-Apr;102(2):46-9 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Diabetic retinopathy vitrectomy study [letter] Charles S. **Arch Ophthalmol** 1986 Apr;104(4):486, 488

Technical problems of extracapsular cataract extractions after vitrectomy [letter] Sneed S, et al. **Arch Ophthalmol** 1986 Aug;104(8):1126-7

Management of vitreous cavity hemorrhage following pars plana vitrectomy for diabetic retinopathy. Blankenship GW. **Ophthalmology** 1986 Jan;93(1):39-44

Sulfur and calcific keratopathy associated with retinal detachment surgery and vitrectomy. Grossniklaus HE, et al. **Ophthalmology** 1986 Feb;93(2):260-4

[Regressive posterior cataract after vitrectomy and injection of sulfur hexafluoride] Thienpont P, et al. **Bull Soc Ophtalmol Fr** 1985 Feb;85(2):253-4 (Fre)

[Retinal complications of pars plana vitrectomy] Lucke K, et al. **Klin Monatsbl Augenheilkd** 1985 Jul;187(1):17-20 (Eng. Abstr.) (Ger)

[The causes of development of retinal detachment after vitrectomy in the sequelae of eye injuries] Gundorova RA, et al. **Vestn Oftalmol** 1985 Nov-Dec;101(6):37-41 (Eng. Abstr.) (Rus)

HISTORY

[Surgery of the vitreous body--in the past and today] Nawrocki J, et al. **Klin Oczna** 1985 Sep;87(9):390-2 (Eng. Abstr.) (Pol)

INSTRUMENTATION

Tilted convex mirror for viewing the tip of a pars plana infusion cannula. Bartov E, et al. **Am J Ophthalmol** 1986 Sep 15;102(3):399

[Extraction of pupillary membranes behind artificial lenses using the vitreotome] Bacin F. **Bull Soc Ophtalmol Fr** 1984 Dec;84(12):1417-20 (Eng. Abstr.) (Fre)

[Present status of instrumentation in vitreous surgery] Grange JD. **Bull Soc Ophtalmol Fr** 1985 May;85(5):547-9 (Eng. Abstr.) (Fre)

[Device test for vitrectomy, cryopexy and irrigation/aspiration] Bechrakis E, et al. **Fortschr Ophthalmol** 1985;82(5):488-9 (Eng. Abstr.) (Ger)

[Surgery of the vitreous body. Evaluation of presently used equipment] Nawrocki J, et al. **Klin Oczna** 1985 Oct; 87(10):421-3 (Eng. Abstr.) (Pol)

[Histological changes in the corneal endothelium, retina and pigment epithelium of the eye of rabbits after vitrectomy using ultrasonic phacofragmentators] Movshovich AI, et al. **Vestn Oftalmol** 1985 Nov-Dec;101(6):27-31 (Eng. Abstr.) (Rus)

METHODS

Two-hand dissection technique during closed vitrectomy for retinopathy of prematurity. Trese MT. **Am J Ophthalmol** 1986 Feb 15;101(2):251-2

Treating the complications of diabetic retinopathy with pars plana vitrectomy. Arciniegas A, et al. **Ann Ophthalmol** 1986 Jul;18(7):233-5

Clinical results of pars plana vitrectomy in posterior-segment disorders. Chu KM, et al. **Ann Ophthalmol** 1985 Nov; 17(11):686-93

Four-port bimanual vitrectomy. Gaynon MW, et al. **Arch Ophthalmol** 1986 Jul;104(7):1088-9

Gas vitrectomy in a primate model. Lincoff H, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(3):215-7

Early pars plana vitrectomy in chronic endophthalmitis of toxocariasis. Rodriguez A. **Graefes Arch Clin Exp Ophthalmol** 1986;224(3):218-20

Pars plana vitrectomy in aphakic and pseudophakic retinal detachment. Verbraeken H, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(3):203-4

Parsplana, open sky and anterior vitrectomy. Ittyerah TP, et al. **Indian J Ophthalmol** 1983;31 Suppl:1057-9

Evaluation of combined procedure: penetrating keratoplasty and anterior vitrectomy by vitrophage. Shroff AP, et al. **Indian J Ophthalmol** 1984 Sep-Oct;32(5):399-401

Sodium hyaluronate vitrectomy. Langerman DW. **J Cataract Refract Surg** 1986 Jan;12(1):69-72

Cataract and uveitis management by pars plana lensectomy and vitrectomy by ultrasonic fragmentation. Girard LJ, et al. **Retina** 1985 Spring-Summer;5(2):107-14

Enzyme-assisted vitrectomy with bacterial collagenase. Pilot human studies. Moorhead LC, et al. **Retina** 1985 Spring-Summer;5(2):98-100

[Pars plana vitrectomy in severe eye injuries] Karel I, et al. **Cesk Oftalmol** 1986 Feb;42(1):21-8 (Eng. Abstr.) (Cze)

[Evaluation of the results of pars plana vitrectomy] Haustrate F, et al. **Bull Soc Belge Ophtalmol** 1986;213:137-52 (Eng. Abstr.) (Fre)

[Gas tamponade after vitrectomy in retinal detachment. Siphonage of the intraocular fluid. Postoperative reinjection of gas] Baudet D, et al. **Bull Soc Ophtalmol Fr** 1984 Nov;84(11):1273-6 (Eng. Abstr.) (Fre)

[Removal of dislocated lenses using pars plana vitrectomy] Röver J. **Fortschr Ophthalmol** 1986;83(3):300-1 (Eng. Abstr.) (Ger)

[Electron microscopy study of artificial vitreous gel] Ehgartner EM, et al. **Klin Monatsbl Augenheilkd** 1986 Apr; 188(4):299-301 (Eng. Abstr.) (Ger)

[Silicone oil in epiretinal membranes 3-4 months following implantation: microscopic findings in 2 cases] Faulborn J, et al. **Klin Monatsbl Augenheilkd** 1986 Feb;188(2):133-4 (Eng. Abstr.) (Ger)

[Pars plana vitrectomy in proliferative diabetic retinopathy] Krampitz-Glaas G, et al. **Klin Monatsbl Augenheilkd** 1986 Apr;188(4):283-7 (Eng. Abstr.) (Ger)

[Dissection of fibers of the vitreous body by YAG laser coagulation] Draeger J, et al. **Klin Oczna** 1986 Jan; 88(1):16-7 (Eng. Abstr.) (Pol)

[Results of using the closed vitrectomy technic in the surgical treatment of chronic uveitis and its complications] Glinchuk IaI, et al. **Oftalmol Zh** 1986;(2):84-7 (Eng. Abstr.) (Rus)

[Effect of closed vitrectomy on eye function and the course of proliferative diabetic retinopathy] Fedorov SN, et al. **Vestn Oftalmol** 1985 Jul-Aug;101(4):29-33 (Eng. Abstr.) (Rus)

[Vitrectomy in primary persistent hyperplastic vitreous body] Glinchuk IaI, et al. **Vestn Oftalmol** 1986 Jan-Feb; 102(1):30-1 (Eng. Abstr.) (Rus)

STANDARDS

Prognostic indicators of success and failure in vitrectomy for diabetic retinopathy. Thompson JT, et al. **Ophthalmology** 1986 Mar;93(3):290-5

VETERINARY

[Vitrectomy in animals] Petrick SW. **J S Afr Vet Assoc** 1985 Sep;56(3):147-8 (Eng. Abstr.) (Afr)

VITREOUS BODY

Chronic glaucoma and symptomatic vitreous detachment. Bengtsson B. **Acta Ophthalmol (Copenh)** 1986 Apr; 64(2):152-6

Juvenile vitreoretinal degeneration and retinal detachment. Saari KM. **Acta Ophthalmol [Suppl] (Copenh)** 1985;173:35-8

Bacterial endophthalmitis associated with vitreous wick after penetrating keratoplasty. Maguire LJ, et al. **Am J Ophthalmol** 1985 Dec 15;100(6):854-5

Anterior retinal cryotherapy in diabetic vitreous hemorrhage [letter] Quiroz H, et al. **Am J Ophthalmol** 1986 Feb 15; 101(2):255-6

Silicone oil for retinal detachment with advanced proliferative vitreoretinopathy following failed vitrectomy for proliferative diabetic retinopathy. Rinkoff JS, et al. **Am J Ophthalmol** 1986 Feb 15;101(2):181-6

Posterior vitreous detachment and idiopathic preretinal macular gliosis. Wirnia RA. **Am J Ophthalmol** 1986 Aug 15;102(2):196-8

Posterior fluorescein streaming. Grant S, et al. **Ann Ophthalmol** 1985 Sep;17(9):573-5

Early vitrectomy for severe vitreous hemorrhage in diabetic retinopathy. Two-year results of a randomized trial. Diabetic Retinopathy Vitrectomy Study report 2. The Diabetic Retinopathy Vitrectomy Study Research Group. **Arch Ophthalmol** 1985 Nov;103(11):1644-52

Argon laser scatter photocoagulation for prevention of neovascularization and vitreous hemorrhage in branch vein occlusion. A randomized clinical trial. Branch Vein Occlusion Study Group. **Arch Ophthalmol** 1986 Jan; 104(1):34-41

Cutaneous malignant melanoma metastatic to the vitreous. Cole EL, et al. **Arch Ophthalmol** 1986 Jan;104(1):98-101

Vitreous changes in peripheral uveitis. Hirokawa H, et al. **Arch Ophthalmol** 1985 Nov;103(11):1704-7

Simultaneous external subretinal fluid drainage and intravitreal gas injection. Meyers SM, et al. **Arch Ophthalmol** 1985 Dec;103(12):1881-3

Fluorinated oils as experimental vitreous substitutes. Miyamoto K, et al. **Arch Ophthalmol** 1986 Jul;104(7):1053-6

Posterior vitreous fluorophotometry in normal subjects. Roy MS, et al. **Arch Ophthalmol** 1986 Jul;104(7):1004-8

Intravitreous fibronectin and platelet-derived growth factor. New model for traction retinal detachment. Yeo JH, et al. **Arch Ophthalmol** 1986 Mar;104(3):417-21

Role of the posterior capsule in the prevention of postoperative bacterial endophthalmitis: experimental primate studies and clinical implications. Beyer TL, et al. **Br J Ophthalmol** 1985 Nov;69(11):841-6

Shifting subretinal fluid in rhegmatogenous retinal detachment. Kirkby GR, et al. **Br J Ophthalmol** 1985 Sep; 69(9):654-5

Vitreous haemorrhage after cataract extraction. Littlewood KR, et al. **Br J Ophthalmol** 1985 Dec;69(12):911-4

One-step extracapsular cataract extraction and silicone oil-injection in the management of proliferative vitreoretinopathy. Peyman GA, et al. **Br J Ophthalmol** 1986 May;70(5):382-6

External diathermy treatment of proliferative diabetic retinopathy with vitreous haemorrhage. Siam AL. **Br J Ophthalmol** 1986 Feb;70(2):118-21

Vitreous fluorophotometry in patients with no or minimal diabetic retinopathy. Chahal P, et al. **Diabetes Care** 1986 Mar-Apr;9(2):134-9

Evaluation of the central retina and optic nerve function in media opacities. Foerster MH, et al. **Doc Ophthalmol** 1986 Jun 16;63(1):101-6

Experimental intravitreal proliferation and neovascularization in the cynomolgus monkey. Algvere P, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(1):69-75

A refined experimental model for proliferative vitreoretinopathy. Chandler DB, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(1):86-91

The effects of injections of cultured fibroblasts into the rabbit vitreous. Hitchins CA, et al. **Graefes Arch Clin Exp Ophthalmol** 1985;223(5):237-49

Specular microscopy of the corneal endothelium after liquid silicone injection into the vitreous in complicated retinal detachments. Karel I, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(2):195-200

Intravitreal argon and carbon dioxide laser, and xenon arc photocoagulation in vitreoretinal surgery. Karlin DB. **Graefes Arch Clin Exp Ophthalmol** 1986;224(3):221-5

The use of silicone oil following failed vitrectomy for retinal detachment with advanced proliferative vitreoretinopathy. McCuen BW, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(1):38-9

Pharmacological therapy for proliferative vitreoretinopathy. Radtke ND, et al. **Graefes Arch Clin Exp Ophthalmol** 1986; 224(3):230-3

B & T cell study in cases of Eales' disease by using a range of exciting antigens. Mishra RN, et al. **Indian J Ophthalmol** 1983;31 Suppl:890-1

Management of anterior segment perforating ocular injuries involving lens and vitreous. Raju VK. **Indian J Ophthalmol** 1984 Sep-Oct;32(5):299-301

Tapping of fluid pockets--a better method of management

of vitreous loss in cataract surgery. Shroff AP, et al. **Indian J Ophthalmol** 1983;31 Suppl:917–9

Rational of injection of silicone oil in massive vitreous retraction. Ursekar TN, et al. **Indian J Ophthalmol** 1983; 31 Suppl:990–1

An intravitreal cannula system: long–term follow–up study. Ishibashi T, et al. **Int Ophthalmol** 1986 Apr;9(1):3–9

Autosomal dominant juvenile vitreoretinal degeneration and retinal detachment. Saari KM. **Int Ophthalmol** 1986 Apr; 9(1):45–60

Proliferative vitreoretinopathy. Batzer JK, et al. **J Am Optom Assoc** 1986 Feb;57(2):116–8

Peripapillary hemorrhages in acute posterior vitreous detachment. Horton RO, et al. **J Am Optom Assoc** 1985 Dec;56(12):937–9

Gyrate atrophy of choroid and retina complicated by vitreous hemorrhage. Takahashi O, et al. **Jpn J Ophthalmol** 1985; 29(2):170–6

Microfilaments in preretinal membrane cells of proliferative vitreoretinopathy. Yamashita H, et al. **Jpn J Ophthalmol** 1985;29(4):394–405

Treatment of vitreous hemorrhage in Rh–positive patients by intravitreal injection of anti–Rho–immunoglobulin. Morawiecki J, et al. **Ophthalmic Res** 1985;17(5):279–81

New ocular findings in Gaucher's disease: a report of two brothers. Sasaki T, et al. **Ophthalmologica** 1985;191(4):206–9

Transscleral iontophoresis of cefazolin, ticarcillin, and gentamicin in the rabbit. Barza M, et al. **Ophthalmology** 1986 Jan;93(1):133–9

Management of vitreous cavity hemorrhage following pars plana vitrectomy for diabetic retinopathy. Blankenship GW. **Ophthalmology** 1986 Jan;93(1):39–44

Treatment of the acute retinal necrosis syndrome with intravenous acyclovir. Blumenkranz MS, et al. **Ophthalmology** 1986 Mar;93(3):296–300

The use of silicone oil following failed vitrectomy for retinal detachment with advanced proliferative vitreoretinopathy. McCuen BW 2d, et al. **Ophthalmology** 1985 Aug; 92(8):1029–34

Vitreous incarceration complicating cataract surgery. A light and electron microscopic study. McDonnell PJ, et al. **Ophthalmology** 1986 Feb;93(2):247–53

Iontophoresis of fluorescein into the posterior segment of the rabbit eye. Maurice DM. **Ophthalmology** 1986 Jan; 93(1):128–32

A simplified technique for the removal of liquid silicone from vitrectomized eyes. Fletcher ME, et al. **Retina** 1985 Summer–Fall;5(3):168–71

Atypical retinitis pigmentosa, retinal telangiectasis, and vitreous hemorrhage in a patient with tuberous sclerosis. Jost BF, et al. **Retina** 1986 Winter–Spring;6(1):53–6

Silicone oil in vitreoretinal surgery. Part 1: Surgical techniques. McCuen BW 3d, et al. **Retina** 1985 Fall–Winter; 5(4):189–97

Vitrectomy for excision of intraocular larva (hypoderma species). Rapoza PA, et al. **Retina** 1986 Spring–Summer; 6(2):99–104

Pseudo–endophthalmitis caused by intravitreal lipid transudation in association with proliferative diabetic retinopathy and hyperlipidemia. Robertson DM, et al. **Retina** 1986 Spring–Summer;6(2):73–6

[Differential ultrasonic diagnosis of retinal and vitreous membranes] Arne JL, et al. **Bull Soc Ophtalmol Fr** 1984 Nov;84(11):1239–41 **(Fre)**

[Gas tamponade after vitrectomy in retinal detachment. Siphonage of the intraocular fluid. Postoperative reinjection of gas] Baudet D, et al. **Bull Soc Ophtalmol Fr** 1984 Nov;84(11):1273–6 (Eng. Abstr.) **(Fre)**

[Report on a syringe for automatic injection of silicone oil. 1st clinical use] Buffet JM, et al. **Bull Soc Ophtalmol Fr** 1984 Dec;84(12):1407–10 (Eng. Abstr.) **(Fre)**

[Vitrectomy in the treatment of vitreous opacities—observations prompted by a review of 30 surgical cases in the Strasbourg clinic] Gerhard JP, et al. **Bull Soc Ophtalmol Fr** 1985 Jan;85(1):133–6 (Eng. Abstr.) **(Fre)**

[Value of early vitrectomy in Behçet's disease complicated with hyalitis, apropos of 20 cases] Limon S, et al. **Bull Soc Ophtalmol Fr** 1985 Mar;85(3):363–5 **(Fre)**

[Congenital cyst of the vitreous body] Philippot M, et al. **Bull Soc Ophtalmol Fr** 1984 Nov;84(11):1243–4, 1246 **(Fre)**

[Vitrectomy in Terson's syndrome] Turut P, et al. **Bull Soc Ophtalmol Fr** 1984 Oct;84(10):1129–32 (Eng. Abstr.) **(Fre)**

[Blindness in the infant following nontraumatic hemorrhage of the vitreous body] Verin P, et al. **Bull Soc Ophtalmol Fr** 1985 Feb;85(2):283–4, 287–8 **(Fre)**

[Long–lasting expansive gases in the treatment of rhegmatogenous retinal detachment associated with vitreoretinal proliferation] Bonnet M, et al. **J Fr Ophtalmol** 1985;8(10):607–11 (Eng. Abstr.) **(Fre)**

[Conference at the Salpêtrière. June 1984. Peripheral neuropathy and vitreous opacities in a 50–year–old man] Vallat JM, et al. **Rev Neurol (Paris)** 1985;141(10):672–6 **(Fre)**

[Endosurgery of subretinal strands in proliferative vitreoretinopathy] Eckardt C, et al. **Klin Monatsbl Augenheilkd** 1985 Jul;187(1):21–4 (Eng. Abstr.) **(Ger)**

[The first description of the Irvine syndrome] Hruby K. **Klin Monatsbl Augenheilkd** 1985 Dec;187(6):549–50 (Eng. Abstr.) **(Ger)**

[Chronic drug delivery system in monkey eye] Miki K, et al. **Nippon Ganka Gakkai Zasshi** 1985 Sep;89(9):1011–7 (Eng. Abstr.) **(Jpn)**

[Immunohistological study of cultured cells from proliferative vitreoretinopathy] Shirakawa H, et al. **Nippon Ganka Gakkai Zasshi** 1986 Feb;90(2):349–55 (Eng. Abstr.) **(Jpn)**

[Characterization of cultured cells from a case of proliferative vitreoretinopathy—heterogeneity of the cellular components] Shirakawa H, et al. **Nippon Ganka Gakkai Zasshi** 1986 Apr;90(4):550–5 (Eng. Abstr.) **(Jpn)**

[Vitreous surgery in proliferative vitreoretinopathy] Takeuchi S. **Nippon Ganka Gakkai Zasshi** 1985 Aug; 89(8):967–76 (Eng. Abstr.) **(Jpn)**

[Clinical study of rhegmatogenous vitreous haemorrhage in the evaluation of prognosis and treatment] Tatsui T, et al. **Nippon Ganka Gakkai Zasshi** 1986 Apr;90(4):595–602 (Eng. Abstr.) **(Jpn)**

[Clinical analysis of vitreous hemorrhage combined with ruptured aneurysm] Mashiyama S, et al. **No To Shinkei** 1985 Aug;37(8):753–8 (Eng. Abstr.) **(Jpn)**

[Results of the treatment of hemorrhage of the anterior chamber and vitreous body in our practice] Broniarczyk–Lobowa A, et al. **Klin Oczna** 1985 Jun; 87(6):240–2 (Eng. Abstr.) **(Pol)**

[Pathogenesis and treatment of hemorrhages within the anterior chamber and vitreous body] Broniarczyk–Lobowa A, et al. **Klin Oczna** 1985 May;87(5):217–9 (Eng. Abstr.) **(Pol)**

[Analysis of complications after lensectomy in children] Goryszewska–Maciochowa H, et al. **Klin Oczna** 1986 Feb; 88(2):53–6 (Eng. Abstr.) **(Pol)**

[Hemorrhagic glaucoma in diseases of the posterior segment of the eye] Mondelski S, et al. **Klin Oczna** 1985 Dec; 87(12):498–9 (Eng. Abstr.) **(Pol)**

[Characteristics of phagocytosis in intravitreal hematoma] Rapis EG, et al. **Biull Eksp Biol Med** 1986 Aug; 102(8):244–7 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the results of preoperative ultrasonic diagnosis and ophthalmoscopic data acquired at the time of and following vitrectomy in patients with intravitreal hemorrhage] Glinchuk IaI, et al. **Oftalmol Zh** 1985;(5):267–8 (Eng. Abstr.) **(Rus)**

[Aphakic vitreotraction pain syndrome] Stoliarenko GE. **Oftalmol Zh** 1985;(4):219–21 (Eng. Abstr.) **(Rus)**

[Case of successful treatment of intraocular ophthalmomyiasis] Subbotin PK, et al. **Oftalmol Zh** 1986; (2):125–6 **(Rus)**

[Prognosis and prevention of vitreous body prolapse during extraction of age–related cataract] Egorov VV. **Vestn Oftalmol** 1985 Nov–Dec;101(6):22–3 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Primary vitreoretinal dysplasia resembling Norrie's disease in a female: association with X autosome chromosomal translocation. Ohba N, et al. **Br J Ophthalmol** 1986 Jan; 70(1):64–71

[Developmental abnormalities of the lens and vitreous in genetic microphthalmia, eye lens obsolescence, Elo, of the mouse] Yuguchi S, et al. **Nippon Ganka Gakkai Zasshi** 1985 Oct;89(10):1104–10 (Eng. Abstr.) **(Jpn)**

[CT findings of a case of persistent hyperplastic primary vitreous (PHPV)] Imai Y, et al. **Rinsho Hoshasen** 1985 Sep; 30(9):1013–6 (Eng. Abstr.) **(Jpn)**

[Vitrectomy in primary persistent hyperplastic vitreous body] Glinchuk IaI, et al. **Vestn Oftalmol** 1986 Jan–Feb; 102(1):30–1 (Eng. Abstr.) **(Rus)**

ANALYSIS

Partial purification of a 5.7K glycoprotein from bovine vitreous which inhibits both angiogenesis and collagenase activity. Taylor CM, et al. **Biochem Biophys Res Commun** 1985 Dec 31;133(3):911–6

Transport and steady–state concentration of plasma proteins in the vitreous humor of the chicken embryo: implications for the mechanism of eye growth during early development. Beebe DC, et al. **Dev Biol** 1986 Apr; 114(2):361–8

Insulin–like growth factors in vitreous. Studies in control and diabetic subjects with neovascularization. Grant M, et al. **Diabetes** 1986 Apr;35(4):416–20

Biochemical investigation of vitreus: applications in forensic medicine, especially in relation to alcohol. Devgun MS, et al. **Forensic Sci Int** 1986 May;31(1):27–34

Screening for barbiturates in vitreous humor by the EMIT–st serum enzyme immunoassay. Ojanperä I, et al. **J Forensic Sci** 1986 Apr;31(2):707–9

Topographic distribution of water in rhesus monkey vitreus. Castoro JA, et al. **Ophthalmic Res** 1986;18(2):87–9

Relation of vitreous amyloidosis to prealbumin. Sandgren O, et al. **Ophthalmic Res** 1986;18(2):98–103

[Chlorides in the vitreous body] Gregora Z. **Soud Lek** 1985 Aug;30(3):33–6 (Eng. Abstr.) **(Cze)**

[Histochemical examination of the granules in the vitreous cells of guinea pigs] Saga T, et al. **Nippon Ganka Gakkai Zasshi** 1985 Aug;89(8):949–52 (Eng. Abstr.) **(Jpn)**

[Investigation of simple correction methods for vitreous values in vitreous fluorophotometry] Yoshida A, et al. **Nippon Ganka Gakkai Zasshi** 1986 May;90(5):737–40 **(Jpn)**

ANATOMY & HISTOLOGY

Visualization of Berger's space in the living eye. Weidle EG. **Ophthalmic Surg** 1985 Nov;16(11):733–4

Examination of the vitreous. A comparison of biomicroscopy using the Goldmann and El Bayadi–Kajiura lenses. Buzney SM, et al. **Ophthalmology** 1985 Dec;92(12):1745–8

[The relationship between the amount of vitreous gel and a healing process of rhegmatogenous retinal detachment] Okubo A, et al. **Nippon Ganka Gakkai Zasshi** 1986 Apr; 90(4):620–9 (Eng. Abstr.) **(Jpn)**

BLOOD SUPPLY

The blood–retinal barrier permeability to fluorescein in normal subjects and in juvenile diabetics without retinopathy. Krogsaa B, et al. **Acta Ophthalmol (Copenh)** 1986 Apr;64(2):173–9

CYTOLOGY

Cellular proliferation in the vitreous: the use of vitreous explants as a model system. Forrester JV, et al. **Invest Ophthalmol Vis Sci** 1986 Jul;27(7):1085–94

[A new light microscopic observing method by embedding the vitreous body in polyacrylamid–gelfilm] Honda S. **Nippon Ganka Gakkai Zasshi** 1985 Dec;89(12):1386–90 (Eng. Abstr.) **(Jpn)**

[Morphological and histochemical studies on guinea pig hyalocytes] Tagawa Y, et al. **Nippon Ganka Gakkai Zasshi** 1986 Mar;90(3):522–6 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Electron microscopic study of toxicity of intravitreal injections of gentamicin in primates. Ling CH, et al. **Can J Ophthalmol** 1985 Aug;20(5):179–83

Intraocular cannula for chronic drug delivery. Method and clinical observation. Miki K, et al. **Int Ophthalmol** 1985 Sep;8(3):121–7

Toxicity of intravitreal interferon. Vegh S, et al. **Ophthalmic Surg** 1986 Feb;17(2):103–5

[Electron microscopy study of artificial vitreous gel] Ehgartner EM, et al. **Klin Monatsbl Augenheilkd** 1986 Apr; 188(4):299–301 (Eng. Abstr.) **(Ger)**

[Effect of decadron phosphate on ophthalmoscopic changes in the rat eye with intravitreal brass wires] Schmidt JG, et al. **Klin Monatsbl Augenheilkd** 1986 Mar;188(3):234–8 (Eng. Abstr.) **(Ger)**

[Histological evaluation in an experimental model (swine retina) of drugs solubilizing the vitreous body] Fusi L, et al. **Boll Soc Ital Biol Sper** 1985 Aug 30;61(8):1171–6 (Eng. Abstr.) **(Ita)**

[Adhesion of the vitreous body to cured polymers] Agafonov VA, et al. **Biull Eksp Biol Med** 1986 Mar;101(3):370–2 (Eng. Abstr.) **(Rus)**

[Lens dislocation into the vitreous body after intravitreal administration of chymotrypsin in hemophthalmos] Sinedubskaia VI. **Oftalmol Zh** 1985;(6):376–7 **(Rus)**

[Intravitreal use of enzymes in the sequelae of eye injury] Jrasnov MM, et al. **Vestn Oftalmol** 1986 Jan–Feb; 102(1):25–30 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

[Clinico–anatomical studies on the developing vitreous and retina] Uemura Y. **Nippon Ganka Gakkai Zasshi** 1986 Jan; 90(1):1–24 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Inhibition of vascular endothelial cell growth and trypsin activity by vitreous. Jacobson B, et al. **Exp Eye Res** 1985 Nov;41(5):581–95

Post–mortem estimation of gamma–glutamyl transferase in vitreous humor and its association with chronic abuse of alcohol and road–traffic deaths. Devgun MS, et al. **Forensic Sci Int** 1985 Aug;28(3–4):179–80

Aminopeptidase and cathepsin A activity in vitreous humor in relation to causes of death. Luna A, et al. **Forensic Sci Int** 1985 Nov–Dec;29(3–4):171–8

Ornithine decarboxylase in developing neonatal rabbit ocular tissue. Foresman GE, et al. **Ophthalmic Res** 1985; 17(5):262–5

IMMUNOLOGY

Antibodies to herpes simplex virus type I in intraocular fluids of patients with acute retinal necrosis. Sarkies N, et al. **Br J Ophthalmol** 1986 Feb;70(2):81–4

Gm(1,2,4,10,21) and Km(1) factors in vitreous humor. Dimo–Simonin N, et al. **Forensic Sci Int** 1986 Jan; 30(1):23–7

Attempts to demonstrate specific antibody responses in the vitreous body of the eye. Gregora Z, et al. **J Hyg Epidemiol Microbiol Immunol** 1986;30(2):195–8

Ocular immune responses. II. Priming of A/J mice in the vitreous induces either enhancement of or suppression of

subsequent hapten-specific DTH responses. Foster CS, et al. **J Immunol** 1986 Apr 15;136(8):2787-91

[Specific antibodies in the vitreous humor in ocular toxoplasmosis] Canosa A, et al. **Rev Latinoam Microbiol** 1985 Jul-Sep;27(3):209-12 (Eng. Abstr.) (Spa)

INJURIES

[Acoustic scanning in determining the indications for and the evaluation of the effectiveness of vitrectomy in traumatic hemophthalmia] Fridman FE, et al. **Vestn Oftalmol** 1986 Mar-Apr;102(2):46-9 (Eng. Abstr.) (Rus)

[The causes of development of retinal detachment after vitrectomy in the sequelae of eye injuries] Gundorova RA, et al. **Vestn Oftalmol** 1985 Nov-Dec;101(6):37-41 (Eng. Abstr.) (Rus)

METABOLISM

Sequelae of intravitreal phagocytic activity in response to microparticles. Algvere P, et al. **Acta Ophthalmol [Suppl] (Copenh)** 1985;173:107-10

Human vitreous levels of cefamandole and moxalactam. Axelrod JL, et al. **Am J Ophthalmol** 1986 Jun 15; 101(6):684-7

Human vitreous levels of selected antistaphylococcal antibiotics. Axelrod JL, et al. **Am J Ophthalmol** 1985 Oct 15;100(4):570-5

Clearance of triamcinolone from vitreous. Scholes GN, et al. **Arch Ophthalmol** 1985 Oct;103(10):1567-9

Volume displacement of scleral buckles. Thompson JT, et al. **Arch Ophthalmol** 1985 Dec;103(12):1822-4

Experimental retinal detachment. X. Effect of acetazolamide on vitreous fluorescein disappearance. Tsuboi S, et al. **Arch Ophthalmol** 1985 Oct;103(10):1557-8

Change in the synthesis of glycosaminoglycans by fibrotic vitreous induced by erythrocytes. Katakami C, et al. **Biochim Biophys Acta** 1986 Jan 15;880(1):40-5

Vitreal oxygen tension gradients in the isolated perfused cat eye. Alder VA, et al. **Curr Eye Res** 1986 Apr;5(4):249-56

Experimental hypercupremia does not result in increases in copper in lens, iris, or ocular fluids. Cook CS, et al. **Curr Eye Res** 1986 Feb;5(2):171-3

Presence of endothelial cell growth factor activity in normal and diabetic eyes. Lutty GA, et al. **Curr Eye Res** 1986 Jan;5(1):9-17

Fatty acid composition and arachidonic acid metabolism in vitreous lipids from canine and human eyes. Reddy TS, et al. **Curr Eye Res** 1986 Jun;5(6):441-7

Vitreous fluorescein accumulation determined by in vivo fluorophotometry and by vitreous extraction in normal and diabetic rats. Kaufmann F, et al. **Diabetologia** 1986 Mar; 29(3):175-80

Synthesis of chondroitin sulfate by fibrotic vitreous induced by monocytes and lymphocytes. Katakami C, et al. **Exp Eye Res** 1985 Oct;41(4):509-18

Ascorbic acid levels in aqueous and vitreous humors of the rabbit: effects of inflammation and ceruloplasmin. McGahan MC. **Exp Eye Res** 1985 Sep;41(3):291-8

Alteration of the blood-retinal barrier and vitreous in sickle cell retinopathy. Paylor RR, et al. **Int Ophthalmol** 1986 May;9(2-3):103-8

Transport of fluorescein monoglucuronide out of the vitreous. Kitano S, et al. **Invest Ophthalmol Vis Sci** 1986 Jun;27(6):998-1001

Effect of vitamin E administration on alpha-tocopherol concentrations in the retina, choroid, and vitreous body of human neonates. Nishida A, et al. **J Pediatr** 1986 Jan; 108(1):150-3

Fluorophotometry in juvenile-onset diabetes: long-term follow-up. Krupin T, et al. **Jpn J Ophthalmol** 1985; 29(2):139-45

Theory and methodology of vitreous fluorophotometry. Maurice DM. **Jpn J Ophthalmol** 1985;29(2):119-30

Vitreous fluorophotometry in aphakic or pseudophakic eyes with persistent cystoid macular edema. Miyake K. **Jpn J Ophthalmol** 1985;29(2):146-52

Crystalline retinopathy: evaluation of blood-retinal barrier by vitreous fluorophotometry. Yoshida A, et al. **Jpn J Ophthalmol** 1985;29(3):290-300

[Investigation of the vitreo-retino-ciliary barrier by vitreous fluorophotometry. 5. Alteration of the inward permeability of the blood-retinal barrier and the diffusion coefficient of fluorescein in the vitreous with aging in normal subjects] Yoshida A, et al. **Nippon Ganka Gakkai Zasshi** 1986 Apr; 90(4):589-94 (Eng. Abstr.) (Jpn)

MICROBIOLOGY

Two similar but atypical strains of coryneform group A-4 isolated from patients with endophthalmitis. Coudron PE, et al. **J Clin Microbiol** 1985 Oct;22(4):475-7

Transmission of chronic idiopathic vitritis in mice by inoculation of human vitreous containing leucocyte phagolysosomal bacteria-like bodies. Wirostko E, et al. **Lancet** 1986 Aug 30;2(8505):481-3

PATHOLOGY

Experimental scar membranes in the rabbit's vitreous. An autoradiographic and quantitative morphological study. Hitchins CA, et al. **Acta Ophthalmol (Copenh)** 1985 Oct; 63(5):557-66

Proliferative vitreoretinopathy after intraocular lens implantation. Laatikainen L, et al. **Acta Ophthalmol (Copenh)** 1985 Aug;63(4):380-2

Transmission electron microscopic observations of vitreous abnormalities in retinitis pigmentosa. Albert DM, et al. **Am J Ophthalmol** 1986 Jun 15;101(6):665-72

Human sympathetic ophthalmia. Immunologic analysis of the vitreous and uvea. Kaplan HJ, et al. **Arch Ophthalmol** 1986 Feb;104(2):240-4

Visual acuity results following treatment of persistent hyperplastic primary vitreous. Karr DJ, et al. **Arch Ophthalmol** 1986 May;104(5):662-7

Free plasma fluorescein [letter] Kisly A, et al. **Arch Ophthalmol** 1985 Oct;103(10):1457

Vitreous changes after neodymium-YAG laser photodisruption. Krauss JM, et al. **Arch Ophthalmol** 1986 Apr;104(4):592-7

Morphological effects of gas compression on the cortical vitreous. Lincoff H, et al. **Arch Ophthalmol** 1986 Aug; 104(8):1212-5

Retinal wound healing. Cellular activity at the vitreoretinal interface. Miller B, et al. **Arch Ophthalmol** 1986 Feb; 104(2):281-5

Fellow eyes in cases of macular hole. Biomicroscopic study of the vitreous. Trempe CL, et al. **Arch Ophthalmol** 1986 Jan;104(1):93-5

The clinicopathologic significance of vitreous fluid cytology examinations in a series of 38 patients. Caya JG, et al. **Diagn Cytopathol** 1985 Oct-Dec;1(4):267-71

Presumed retinovitreal neovascularization in dystrophic retinas of spontaneously hypertensive rats. Frank RN, et al. **Invest Ophthalmol Vis Sci** 1986 Mar;27(3):346-55

Report of an incarcerated Lynell anterior chamber intraocular lens. Kreter JK, et al. **J Cataract Refract Surg** 1986 May;12(3):300-2

Treatment of persistent hyperplastic primary vitreous. Pollard ZF. **J Pediatr Ophthalmol Strabismus** 1985 Sep-Oct;22(5):180-3

Myoastrocytes in vitreous membrane in nontraumatic giant retinal tear. Hara A. **Jpn J Ophthalmol** 1985;29(2):177-86

The pars plana approach in two cases of persistent hyperplastic primary vitreous (PHPV). Frezzotti R, et al. **Ophthalmic Paediatr Genet** 1984 Aug;4(2):107-10

Dominant exudative vitreoretinopathy. van Nouhuys CE. **Ophthalmic Paediatr Genet** 1985 Feb;5(1-2):31-8

Phacoanaphylactoid reaction in persistent hyperplastic primary vitreous. Caudill JW, et al. **Ophthalmology** 1985 Aug;92(8):1153-8

Role of the vitreous in diabetic retinopathy. I. Vitreous changes in diabetic retinopathy and in physiologic aging. Tagawa H, et al. **Ophthalmology** 1986 May;93(5):596-601

Gravity-dependent distribution of retinal pigment epithelial cells dispersed into the vitreous cavity. Singh AK, et al. **Retina** 1986 Spring-Summer;6(2):77-80

Treatment of congenital cataracts and persistent hyperplastic primary vitreous. Scott WE. **Trans New Orleans Acad Ophthalmol** 1986;:461-77

[3 cases of retinal detachment caused by spontaneous dialysis at the ora serrata in the young emmetrope with presence of vitreous below the retina] Esmenjaud E. **Bull Soc Ophtalmol Fr** 1985 Apr;85(4):489-91 (Fre)

[Unusual aspect of vitreous posterior detachment] Haut J, et al. **Bull Soc Ophtalmol Fr** 1985 Aug-Sep;85(8-9):953, 956-7 (Fre)

[Roundish crystal formations in the retina and vitreous body (calcium oxalate and scintillatio nivea)] Pau H. **Klin Monatsbl Augenheilkd** 1986 Mar;188(3):231-3 (Eng. Abstr.) (Ger)

[Peripheral proliferative vitreoretinopathy in intermediary uveitis] Slezak H. **Klin Monatsbl Augenheilkd** 1986 Feb; 188(2):95-6 (Eng. Abstr.) (Ger)

[Histopathological study of the vicinity of the vitreo-retinal interface after severe xenon photocoagulation of the ocular fundus in the rabbit---one activity of hyalocytes] Doi H, et al. **Nippon Ganka Gakkai Zasshi** 1985 Jun;89(6):786-96 (Eng. Abstr.) (Jpn)

[Effect of retinal photocoagulation on guinea pig hyalocytes] Tagawa Y, et al. **Nippon Ganka Gakkai Zasshi** 1986 May; 90(5):681-6 (Eng. Abstr.) (Jpn)

[Secondary corneal dystrophies in the vitreous body fixation syndrome] Travkin AG, et al. **Oftalmol Zh** 1986;(3):172-5 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Experimental epiretinal proliferation induced by intravitreal red blood cells. Miller B, et al. **Am J Ophthalmol** 1986 Aug 15;102(2):188-95

The role of the vitreous in the intraocular pressure rise after neodymium-YAG laser capsulotomy. Schubert HD, et al. **Arch Ophthalmol** 1985 Oct;103(10):1538-42

Vitreous stimulates proliferation of fibroblasts and retinal pigment epithelial cells. Wiedemann P, et al. **Exp Eye Res** 1985 Nov;41(5):619-28

Vitreous fluorophotometer data analysis by deconvolution. Smith RT, et al. **Invest Ophthalmol Vis Sci** 1986 Mar; 27(3):406-14

Regulation of cell growth by vitreous humour. Lutty GA, et al. **J Cell Sci** 1985 Jun;76:53-65

PHYSIOPATHOLOGY

Role of the vitreous in idiopathic preretinal macular fibrosis. Hirokawa H, et al. **Am J Ophthalmol** 1986 Feb 15; 101(2):166-9

[Fluorophotometry and the Fluorotron] Menerath JM, et al. **Bull Soc Ophtalmol Fr** 1984 Dec;84(12):1467-71 (Eng. Abstr.) (Fre)

[Internal tamponade of the retinal break with the vitreous in the treatment of rhegmatogenous retinal detachments: (1) Role of the vitreous in the healing process of retinal detachment with a horse shoe shaped retinal tear] Okubo A, et al. **Nippon Ganka Gakkai Zasshi** 1986 Jan; 90(1):179-87 (Eng. Abstr.) (Jpn)

RADIATION EFFECTS

A new contact lens for posterior vitreous photodisruption. Rol P, et al. **Invest Ophthalmol Vis Sci** 1986 Jun; 27(6):946-50

SURGERY

Results of conventional vitreous surgery for proliferative vitreoretinopathy [letter] Jalkh AE, et al. **Am J Ophthalmol** 1985 Dec 15;100(6):858-9

Experimental transvitreal cyanoacrylate retinopexy. McCuen BW 2d, et al. **Am J Ophthalmol** 1986 Aug 15;102(2):199-207

Clinicopathologic results of vitreous surgery for epiretinal membranes in patients with combined retinal and retinal pigment epithelial hamartomas. McDonald HR, et al. **Am J Ophthalmol** 1985 Dec 15;100(6):806-13

Sodium hyaluronate, hyphema, and vitreoretinal surgery. Portis JM, et al. **Am J Ophthalmol** 1986 Jun 15;101(6):738-9

Integration of vitreoretinal instrumentation. Stern WH, et al. **Am J Ophthalmol** 1985 Dec 15;100(6):856-7

Self-retaining iris speculum for open-sky vitrectomy. Jabbour NM, et al. **Arch Ophthalmol** 1986 Jan;104(1):137-8

Variations in intraocular pressure during closed-system surgical procedures. Moorhead LC, et al. **Arch Ophthalmol** 1986 Feb;104(2):269-72

Treatment of dislocated posterior chamber intraocular lenses. Sternberg P Jr, et al. **Arch Ophthalmol** 1986 Sep; 104(9):1391-3

On the recovery of the electroretinogram of rats after removal of intravitreal lead particles. Schmidt JG, et al. **Doc Ophthalmol** 1986 Feb 28;62(2):181-90

Q-switched neodymium: YAG laser surgery of the vitreous. Little HL, et al. **Graefes Arch Clin Exp Ophthalmol** 1986; 224(3):240-6

Neodymium:YAG laser vitreolysis. Aron-Rosa D, et al. **Int Ophthalmol Clin** 1985 Fall;25(3):125-34

Experiences with the Neodymium: YAG laser: interruption of anterior hyaloid membrane of the vitreous and cystoid macular edema. Alpar JJ. **Ophthalmic Surg** 1986 Mar; 17(3):157-65

Biomicroscopy and argon laser photocystotomy of free-floating vitreous cysts. Awan KJ. **Ophthalmology** 1985 Dec;92(12):1710-1

Pupillary stretching. A new procedure in vitreous surgery. Eckardt C. **Retina** 1985 Fall-Winter;5(4):235-8

[Initial results of the use of the picosecond Yag laser in diseases of the vitreous body] Haut J, et al. **Bull Soc Ophtalmol Fr** 1985 Apr;85(4):447-8 (Fre)

[Technic of fluid-gas exchange in the treatment of various retinal detachments] Le Rebeller MJ. **Bull Soc Ophtalmol Fr** 1985 Feb;85(2):279-82 (Fre)

[Retinal damage in neodymium:YAG laser surgery in the area of the vitreous body] Hiemer H, et al. **Fortschr Ophthalmol** 1985;82(5):447-9 (Eng. Abstr.) (Ger)

[Dissection of fibers of the vitreous body by YAG laser coagulation] Draeger J, et al. **Klin Oczna** 1986 Jan; 88(1):16-7 (Eng. Abstr.) (Pol)

[Surgery of the vitreous body. Evaluation of presently used equipment] Nawrocki J, et al. **Klin Oczna** 1985 Oct; 87(10):421-3 (Eng. Abstr.) (Pol)

[Surgical tactics in cases of metallic foreign bodies in the posterior segments of the eye] Bykov VP, et al. **Vestn Oftalmol** 1986 Mar-Apr;102(2):33-6 (Eng. Abstr.) (Rus)

ULTRASTRUCTURE

Chronic idiopathic vitritis. Ultrastructural properties of bacteria-like bodies within vitreous leukocyte phagolysosomes. Johnson LA, et al. **Am J Clin Pathol** 1986 Jul;86(1):19-24

The vitreus, an intraocular compartment of the leptomeninx. Electron microscopic observations on rat eyes. Gärtner J. **Doc Ophthalmol** 1986 Mar 31;62(3):205-22

Electron-microscopic study on the fibrillar network and fibrocyte---collagen interactions in the vitreous cortex at the ora serrata of human eyes with special regard to the role of disintegrating cells. Gärtner J. **Exp Eye Res** 1986 Jan;42(1):21-33

[Preservation of whole vitreous by freeze dry methods---SEM appearance] Hara A, et al. **Nippon Ganka Gakkai Zasshi** 1985 Nov;89(11):1267-71 (Eng. Abstr.) (Jpn)

[Scanning electron microscopy of the fovea after spontaneous vitreous detachment] Kishi S, et al. **Nippon Ganka Gakkai Zasshi** 1985 Nov;89(11):1251-7 (Eng. Abstr.) (Jpn)

VIVISECTION

Swiss voters reject ban on vivisection [news] Dickson D. **Science** 1985 Dec 13;230(4731):1257

[Animal experiments] van Bekkum DW. **Ned Tijdschr Geneeskd** 1986 Jun 7;130(23):1045–8 **(Dut)**

[Public initiative for the abolition of vivisection, called the "Weber initiative"]Freudiger U. **Schweiz Arch Tierheilkd** 1985 Oct;127(10):635–49 (Eng. Abstr.) **(Ger)**

HISTORY

William Henry Welch and the antivivisection legislation in the District of Columbia, 1896–1900. Gossel PP. **J Hist Med Allied Sci** 1985 Oct;40(4):397–419

[Moritz Schiff and vivisection] Dreifuss JJ. **Gesnerus** 1985; 42(3–4):289–303 (Eng. Abstr.) **(Fre)**

VOCABULARY

Early vocabulary acquisition by children with Down syndrome. Cardoso-Martins C, et al. **Am J Ment Defic** 1985 Sep;90(2):177–84

Processing open and closed class-headed nonwords: left hemisphere support for separate vocabularies. Shapiro LP, et al. **Brain Lang** 1986 Jul;28(2):318–27

Ten words to adopt for 1986 [editorial] Morgan PP. **Can Med Assoc J** 1985 Dec 15;133(12):1193

Distractibility and vocabulary deficits in children with spina bifida and hydrocephalus. Horn DG, et al. **Dev Med Child Neurol** 1985 Dec;27(6):713–20

Children's pain vocabulary. Jerrett M, et al. **J Adv Nurs** 1986 Jul;11(4):403–8

Learning and retention of computer-related vocabulary in memory-impaired patients: method of vanishing cues. Glisky EL, et al. **J Clin Exp Neuropsychol** 1986 Jun; 8(3):292–312

Alternate form reliability and concurrent validity of the PPVT-R for referred rehabilitation agency adults. Stevenson JD Jr. **J Clin Psychol** 1986 Jul;42(4):650–3

Prose recall: effects of aging, verbal ability, and reading behavior. Rice GE, et al. **J Gerontol** 1986 Jul;41(4):469–80

Content relevance and content coverage in tests of grammatical ability. Lieberman RJ, et al. **J Speech Hear Disord** 1986 Feb;51(1):71–81

Disyllabic Malay word lists for speech audiometry. Yiap Kim Hong. **Med J Malaysia** 1984 Sep;39(3):197–204

Comparison of the WISC-R, PPVT-R, and PPVT for learning disabled children. Haddad FA. **Psychol Rep** 1986 Apr;58(2):659–62

Performance differences for retarded adolescents on the PPVT and the PPVT-R. Ziegler EW, et al. **Psychol Rep** 1986 Jun;58(3):857–8

[A taxonomy of prevention in the health field] Reginster G, et al. **Arch Belg** 1985;43(3–4):137–43 (Eng. Abstr.) **(Fre)**

[The Auschwitz dictionary (E, L, Z). A sample] Klodziński S, et al. **Przegl Lek** 1986;43(1):45–60 **(Pol)**

VOCABULARY TESTS see **LANGUAGE TESTS**

VOCAL CORD PARALYSIS

COMPLICATIONS

Vocal cord paralysis in systemic lupus erythematosus complicated by pulmonary hypertension [letter] Asherson RA, et al. **J Rheumatol** 1985 Oct;12(5):1029–30

I'm OK: therapy by advertised inaccurate assertion. Allen ME. **JAMA** 1986 Sep 5;256(9):1139–40

[Successful management of tracheal stricture combined with bilateral laryngeal nerve paralysis] Tsubota N, et al. **Kyobu Geka** 1986 May;39(5):411–3 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Functional versus organic vocal cord paralysis: rapid diagnosis and decannulation. Myears DW, et al. **Laryngoscope** 1985 Oct;95(10):1235–7

Predictive value of laryngeal electromyography in patients with vocal cord paralysis of neurogenic origin. Parnes SM, et al. **Laryngoscope** 1985 Nov;95(11):1323–6

[Laryngeal diplegia] Obreja S, et al. **Rev Chir [Otorinolaringol]** 1985 Oct–Dec;30(4):241–7 (Eng. Abstr.) **(Rum)**

DRUG THERAPY

[Treatment of dysphonia caused by unilateral paralysis of the recurrent nerve with teflon applied to the vocal cord] Lichtenberger G, et al. **Orv Hetil** 1986 Mar 30; 127(13):773–6 (Eng. Abstr.) **(Hun)**

ETIOLOGY

Vocal cord paralysis and reoperative parathyroidectomy. A prospective study. Patow CA, et al. **Ann Surg** 1986 Mar; 203(3):282–5

Cord paralysis after Nadbath facial nerve block [letter] Cofer HF. **Arch Ophthalmol** 1986 Mar;104(3):337

Bilateral vocal cord paralysis following endotracheal intubation. Brandwein M, et al. **Arch Otolaryngol Head Neck Surg** 1986 Aug;112(8):877–82

Vocal cord paralysis in association with pulmonary emboli. Thomson KJ, et al. **Br J Dis Chest** 1986 Jan;80(1):88–9

Missing denture as a cause of recurrent laryngeal nerve palsy. von Haacke NP, et al. **Br Med J [Clin Res]** 1986 Mar 8; 292(6521):664

Tuberculous left vocal cord palsy: a timely reminder. Hamilton JR, et al. **J Laryngol Otol** 1986 Jul;100(7):837–8

Herpes zoster of the larynx after intubational trauma. Wackym PA, et al. **J Laryngol Otol** 1986 Jul;100(7):839–41

Laryngeal paralysis after endotracheal intubation [editorial] **Lancet** 1986 Mar 8;1(8480):536–7

True vocal cord paralysis following intubation. Cavo JW Jr. **Laryngoscope** 1985 Nov;95(11):1352–9

Cervical carotid aneurysm presenting as transient ischemia and recurrent laryngeal nerve palsy. Ito M, et al. **Surg Neurol** 1986 Apr;25(4):346–50

A study of vocal cord palsy. Barondess JA, et al. **Trans Am Clin Climatol Assoc** 1985;97:141–8

[Vocal cord synechia following short-term intubation] Fritz KW, et al. **Anaesthesist** 1986 May;35(5):317–9 (Eng. Abstr.) **(Ger)**

[Complications of reintervention in thyroid surgery. Our experience] Piccini PI, et al. **Minerva Chir** 1986 Apr 15; 41(7):567–8 **(Ita)**

[A case of Shy-Drager syndrome with respiratory failure due to bilateral vocal cord paresis] Kuboshiro M, et al. **Nippon Naika Gakkai Zasshi** 1986 May;75(5):660–5 **(Jpn)**

FAMILIAL & GENETIC

Familial vocal cord dysfunction. Cunningham MJ, et al. **Pediatrics** 1985 Nov;76(5):750–3

PATHOLOGY

Cardiovocal syndrome [letter] Polaner DM, et al. **Pediatrics** 1986 Aug;78(2):380

[Vocal cord paralysis with stridor caused by interarytenoid fibrosis—a complication of intensive care] Schlöndorff G, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Aug;64(8):403–4 (Eng. Abstr.) **(Ger)**

[Histochemical studies of the denervated posterior cricoarytenoid muscle following direct long-term stimulation in an animal experiment] Zrunek M, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 May;65(5):292–6 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Electromyography of the larynx and related technics. Thumfart WF. **Acta Otorhinolaryngol Belg** 1986; 40(2):358–76

[Electromyographic study of the marginal register symptom in laryngeal paralysis] Pahn J, et al. **Folia Phoniatr (Basel)** 1985;37(5–6):259–64 **(Ger)**

REHABILITATION

Exploration of glottic function before and after injection of collagen for rehabilitation of the vocal cord. Remacle M, et al. **Acta Otorhinolaryngol Belg** 1986;40(2):405–20

Clinical restoration of voice function after loss of the vagus nerve. Weber RS, et al. **Head Neck Surg** 1985 Jul–Aug; 7(6):448–57

Laryngeal pacemaker. II. Electronic pacing of reinnervated posterior cricoarytenoid muscles in the canine. Broniatowski M, et al. **Laryngoscope** 1985 Oct; 95(10):1194–8

SURGERY

Functional reconstruction for unilateral recurrent laryngeal nerve paralysis caused by thyroid cancer. Sato F, et al. **Auris Nasus Larynx** 1985;12 Suppl 2:S210–6

CO2 surgical laser in the management of bilateral vocal cord paralysis. Prasad U. **J Laryngol Otol** 1985 Sep;99(9):891–4

Voice quality following laryngeal reinnervation by ansa hypoglossi transfer. Crumley RL, et al. **Laryngoscope** 1986 Jun;96(6):611–6

Laryngoplasty for vocal cord medialization: an alternative to Teflon. Koufman JA. **Laryngoscope** 1986 Jul; 96(7):726–31

Restoration of the airway following bilateral recurrent laryngeal nerve paralysis. Singer MI, et al. **Laryngoscope** 1985 Oct;95(10):1204–7

Laser lateralization for bilateral vocal cord abductor paralysis. Remsen K, et al. **Otolaryngol Head Neck Surg** 1985 Oct;93(5):645–9

[Reconstruction of function in vocal cord paralysis. Round table discussion] Miehlke A. **Laryngol Rhinol Otol (Stuttg)** 1986 Jan;65(1):1–4 **(Ger)**

THERAPY

Electrophysiologic pacing of vocal cord abductors in bilateral recurrent laryngeal nerve paralysis. Otto RA, et al. **Am J Surg** 1985 Oct;150(4):447–51

Vocal cord paralysis: rehabilitation by endoscopic injection of teflon paste. Karnik PP Jr, et al. **J Postgrad Med** 1985 Oct;31(4):203–5

Clinical experience with injectable collagen for vocal fold augmentation. Ford CN, et al. **Laryngoscope** 1986 Aug; 96(8):863–9

Laryngeal pacemaker. Part I. Electronic pacing of reinnervated strap muscles in the dog. Broniatowski M, et al. **Otolaryngol Head Neck Surg** 1986 Jan;94(1):41–4

A preliminary study of injectable collagen in human vocal fold augmentation. Ford CN, et al. **Otolaryngol Head Neck Surg** 1986 Jan;94(1):104–12

Coordinated electrical pacing of vocal cord abductors in recurrent laryngeal nerve paralysis. Otto RA, et al. **Otolaryngol Head Neck Surg** 1985 Oct;93(5):634–8

[Significance of temporary injection into the lining of the vocal cords in the treatment of paralytic dysphonia] Arold R, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Jan;65(1):5–6 (Eng. Abstr.) **(Ger)**

VETERINARY

Upper airway obstruction in canine laryngeal paralysis. Amis TC, et al. **Am J Vet Res** 1986 May;47(5):1007–10

Effect of laryngeal hemiplegia and laryngoplasty on airway flow mechanics in exercising horses. Derksen FJ, et al. **Am J Vet Res** 1986 Jan;47(1):16–20

Bilateral laryngeal paralysis in the horse. Duncan ID, et al. **Equine Vet J** 1985 May;17(3):228–33

Trypanosomiasis and laryngeal paralysis in a dog. Barr S, et al. **J Am Vet Med Assoc** 1986 Jun 1;188(11):1307–9

Evaluation of a modified castellated laryngofissure for alleviation of upper airway obstruction in dogs with laryngeal paralysis. Smith MM, et al. **J Am Vet Med Assoc** 1986 Jun 1;188(11):1279–83

Wind examination in yearlings [letter] Baker GJ. **Vet Rec** 1986 Feb 1;118(5):133

Interpretation of laryngeal function tests in the horse. Hillidge CJ. **Vet Rec** 1986 May 10;118(19):535–6

Wind examination in yearlings [letter] O'Sullivan BJ. **Vet Rec** 1985 Nov 16;117(20):535

Outcome of surgery for laryngeal paralysis in four cats. White RA, et al. **Vet Rec** 1986 Jan 25;118(4):103–4

VOCAL CORDS

Vocal cord polyp with stromal atypia. A pseudosarcomatous lesion. Ferlito A. **Acta Otorhinolaryngol Belg** 1985; 39(6):955–60

Vocal cord granulomas. Benjamin B, et al. **Ann Otol Rhinol Laryngol** 1985 Nov–Dec;94(6 Pt 1):538–41

Vocal nodules in children. von Leden H. **Ear Nose Throat J** 1985 Oct;64(10):473–80

Electroglottography and vocal nodules. An attempt to quantify the shape of the signal. Dejonckere PH, et al. **Folia Phoniatr (Basel)** 1985;37(3–4):195–200

Vocal cord nodule as a cause of haemoptysis. An unusual presentation. Raj B, et al. **Indian J Chest Dis Allied Sci** 1985 Jul–Sep;27(3):198–9

An analysis of 102 cases of Polytef injection of the vocal cord. Maran AG, et al. **J Laryngol Otol** 1986 Jan; 100(1):47–51

Clinical experience with injectable collagen for vocal fold augmentation. Ford CN, et al. **Laryngoscope** 1986 Aug; 96(8):863–9

[Anatomo-clinical study and treatment of a mucous retention cyst of the vocal cord] Witzig E, et al. **Schweiz Rundsch Med Prax** 1985 May 21;74(21):554–7 (Eng. Abstr.) **(Fre)**

[Live foreign body in the upper respiratory tract] Saidov GG, et al. **Vestn Otorinolaringol** 1985 Sep–Oct;(5):55–6 **(Rus)**

[Treatment of vocal cord hemorrhages with sinusoidal modulated currents] Tagirova FG, et al. **Vestn Otorinolaringol** 1985 Sep–Oct;(5):49–50 (Eng. Abstr.) **(Rus)**

[Acute inflammatory diseases of the vocal system in professionals using their voices] Makukha AL, et al. **Vrach Delo** 1986 Mar;(3):101–3 (Eng. Abstr.) **(Rus)**

[Results of laryngeal microsurgery in the treatment of Reinke's edema] Tošik J, et al. **Cesk Otolaryngol** 1986 Apr; 35(3):146–9 (Eng. Abstr.) **(Slo)**

BLOOD SUPPLY

[Vascular architecture of the vocal cord surfaces. A fluorescence angiography study] Pau HW. **Laryngol Rhinol Otol (Stuttg)** 1985 Aug;64(8):405–8 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Effect of beta blockade on singing performance. Gates GA, et al. **Ann Otol Rhinol Laryngol** 1985 Nov–Dec;94(6 Pt 1):570–4

INNERVATION

Voice quality following laryngeal reinnervation by ansa hypoglossi transfer. Crumley RL, et al. **Laryngoscope** 1986 Jun;96(6):611–6

MICROBIOLOGY

The frequency of fungal involvement in abnormal vocal cord biopsy specimens. Small JM, et al. **Arch Pathol Lab Med** 1986 Feb;110(2):141–3

PATHOLOGY

Vocal cord polyps: biochemical and histologic evaluation. Steinberg BM, et al. **Laryngoscope** 1985 Nov; 95(11):1327–31

[Papillary adenocarcinoma of the vocal cord—first case in the literature] Mertens J, et al. **HNO** 1986 Feb;34(2):81–4 (Eng. Abstr.) **(Ger)**

[Age dependence of functional systems, exemplified by the

vocal cord and cricothyroid articulation] Leutert G. **Z Gesamte Inn Med** 1986 Mar 1;41(5):131–3 (Eng. Abstr.) **(Ger)**

[Deformity of thyroid cartilage as a cause of false cord hypertrophy] Tanaka S, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1985 Aug;88(8):1027–31 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Strobofiberscopic video recording of vocal fold vibration. Hirano M, et al. **Ann Otol Rhinol Laryngol** 1985 Nov–Dec; 94(6 Pt 1):588–90

Viscoelastic modeling of canine vocalis muscle in relaxation. Alipour–Haghighi F, et al. **J Acoust Soc Am** 1985 Dec; 78(6):1939–43

Glottal source–vocal tract interaction. Koizumi T, et al. **J Acoust Soc Am** 1985 Nov;78(5):1541–7

Stroboscopy—a pertinent laryngological examination. Kitzing P. **J Otolaryngol** 1985 Jun;14(3):151–7

Vocal fold adjustments in aspirated and unaspirated stops in Danish. Hutters B. **Phonetica** 1985;42(1):1–24

[The oscillo–impedance concept of laryngeal vibration] Dejonckere PH. **Rev Laryngol Otol Rhinol (Bord)** 1985; 106(4):275–82 (Eng. Abstr.) **(Fre)**

[Laryngostroboscopic observations in "inferior glottoscopy"] Salimbeni C, et al. **Rev Laryngol Otol Rhinol (Bord)** 1985; 106(4):283–4 (Eng. Abstr.) **(Fre)**

[Studies on the vibratory pattern of vocal cords in different registers using different stroboscopic technics] Röhrs M, et al. **Folia Phoniatr (Basel)** 1985;37(3–4):113–8 (Eng. Abstr.) **(Ger)**

[Mechanical properties of the vocal fold in excised human larynges—resonance characteristics by a single rectangular pulse excitation] Numata T. **Nippon Jibiinkoka Gakkai Kaiho** 1985 Jul;88(7):853–67 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Anterior commissure laryngoplasty for adjustment of vocal fold tension. Tucker HM. **Ann Otol Rhinol Laryngol** 1985 Nov–Dec;94(6 Pt 1):547–9

Velopharyngeal movement patterns in patients alternating between oral and glottal articulation: a clinical and cineradiographical study. Henningsson GE, et al. **Cleft Palate J** 1986 Jan;23(1):1–9

Upper airway dysfunction detected by respiratory flow oscillations. Vincken W, et al. **Eur J Respir Dis** 1986 Jan; 68(1):50–7

The vocal tract model of placement: II. Acoustic aspects. Nichols AC. **J Commun Disord** 1986 Aug;19(4):281–8

RADIOGRAPHY

Assessment of laryngeal function by digital subtraction laryngography. Hopp ML, et al. **Otolaryngol Head Neck Surg** 1985 Aug;93(4):512–6

SURGERY

Endoscopic management of selected early vocal cord carcinoma. Ossoff RH, et al. **Ann Otol Rhinol Laryngol** 1985 Nov–Dec;94(6 Pt 1):560–4

Surgical treatment of Reinke's oedema (long–term results). Nielsen VM, et al. **J Laryngol Otol** 1986 Feb;100(2):187–90

Partial laryngectomy for vocal cord cancer with marked limitation or fixation of the vocal cord. Biller HF, et al. **Laryngoscope** 1986 Jan;96(1):61–4

[Value of videostroboscopy in indicating phonosurgery] Cornut G, et al. **Acta Otorhinolaryngol Belg** 1986; 40(2):436–42 **(Fre)**

VOCALIZATION, ANIMAL

Vocal and gestural responses of cross–fostered chimpanzees. Drumm P, et al. **Am J Psychol** 1986 Spring;99(1):1–29

Genetic variation in the male courtship sound of Drosophila littoralis. Hoikkala A. **Behav Genet** 1985 Mar;15(2):135–42

70–kHz vocalizations by male mice do not inhibit aggression in lactating mice. Bean NJ, et al. **Behav Neural Biol** 1986 Jul;46(1):46–53

A method for computerized modification of certain natural animal sounds for communication study purposes. Dabelsteen T, et al. **Biol Cybern** 1985;52(6):399–404

Interrelations between structure and function in the vocal repertoire of Saimiri. Asking the monkeys themselves where to split and where to lump. Maurus M, et al. **Eur Arch Psychiatry Neurol Sci** 1986;236(1):35–9

Acoustic adaptations for parent–offspring recognition in swallows. Beecher MD, et al. **Exp Biol** 1986;45(3):179–93 (33 ref.)

The perception of vocal signals by blue monkeys and grey–cheeked mangabeys. Brown CH. **Exp Biol** 1986; 45(3):145–65

Perception of vocal signals by budgerigars (Melopsittacus undulatus). Dooling RJ. **Exp Biol** 1986;45(3):195–218

Passive acoustic location of bowhead whales in a population census off Point Barrow, Alaska. Cummings WC, et al. **J Acoust Soc Am** 1985 Oct;78(4):1163–9

An optical telemetry device to identify which dolphin produces a sound. Tyack P. **J Acoust Soc Am** 1985 Nov; 78(5):1892–5

Naturalistic psychophysics: thresholds of ducklings (Anas platyrynchos) and chicks (Gallus gallus) to tones that resemble mallard calls. Gray L, et al. **J Comp Psychol** 1986 Jun;100(2):91–4

Ultrasonic vocalizing by adult female mice (Mus musculus). Maggio JC, et al. **J Comp Psychol** 1985 Dec;99(4):420–36

Perception of species–specific contact calls by budgerigars (Melopsittacus undulatus). Park TJ, et al. **J Comp Psychol** 1985 Dec;99(4):391–402

Language learning in two species of apes. Savage–Rumbaugh S, et al. **Neurosci Biobehav Rev** 1985 Winter;9(4):653–65

Re: A comment on 'Parturition in non–human primates: pain and auditory concealment' [letter] Gijsbers KJ, et al. **Pain** 1986 Jul;26(1):125–9

Multiple, brief maternal separations in the squirrel monkey: changes in hormonal and behavioral responsiveness. Hennessy MB. **Physiol Behav** 1986;36(2):245–50

Muting the bark [letter] Blackler PM. **Vet Rec** 1986 Mar 22;118(12):343–4

[Reaction of neurons of the neurostriatum to complex vocalization signals] Gruzdev GM, et al. **Fiziol Zh** 1985 Jul–Aug;31(4):406–15 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Depression of postejaculatory ultrasonic vocalization by (+)–bicuculline. Fernández–Guasti A, et al. **Behav Brain Res** 1986 Jan;19(1):35–9

Glutamate–induced vocalization in the squirrel monkey. Jürgens U, et al. **Brain Res** 1986 May 14;373(1–2):349–58

Androgen–induced alterations in vocalizations of female Xenopus laevis: modifiability and constraints. Hannigan P, et al. **J Comp Physiol [A]** 1986 Apr;158(4):517–27

Effects of intracranial androgen on the development of masculine ultrasonic vocalizations in the Mongolian gerbil (Meriones unguiculatus). Holman SD, et al. **J Endocrinol** 1985 Dec;107(3):355–63

Distress vocalization in rat pups. A simple screening method for anxiolytic drugs. Gardner CR. **J Pharmacol Methods** 1985 Nov;14(3):181–7

Ultrasonic vocalization in rat pups: effects of early postnatal exposure to haloperidol. Cagiano R, et al. **Life Sci** 1986 Apr 14;38(15):1417–23

Rat pup ultrasonic isolation calls: possible mediation by the benzodiazepine receptor complex. Insel TR, et al. **Pharmacol Biochem Behav** 1986 May;24(5):1263–7

Inhibition of shock–elicited ultrasonic vocalization by opioid peptides in the rat: a psychotropic effect. Tonoue T, et al. **Psychoneuroendocrinology** 1986;11(2):177–84

PHYSIOLOGY

Critical periods in bird song learning. Leppelsack HJ. **Acta Otolaryngol [Suppl] (Stockh)** 1986;429:57–60

Cerebellar lesion effects on vocalization of the squirrel monkey. Kirzinger A. **Behav Brain Res** 1985 Aug; 16(2–3):177–81

Heterosis of adult mouse (Mus musculus) ultrasonic vocalizing. Maggio JC, et al. **Behav Genet** 1986 Jul; 16(4):493–506

Neural correlates of female song in tropical duetting birds. Brenowitz EA, et al. **Brain Res** 1985 Sep 16;343(1):104–12

Lack of sexual dimorphism in steroid accumulation in vocal control brain regions of duetting song birds. Brenowitz EA, et al. **Brain Res** 1985 Sep 30;344(1):172–5

Neural correlates of temperature coupling in the vocal communication system of the gray treefrog (Hyla versicolor). Brenowitz EA, et al. **Brain Res** 1985 Dec 16; 359(1–2):364–7

The effects of brainstem lesions on vocalization in the squirrel monkey. Kirzinger A, et al. **Brain Res** 1985 Dec 9; 358(1–2):150–62

Alarm call responsivity of mallard ducklings: III. Acoustic features affecting behavioral inhibition. Miller DB, et al. **Dev Psychobiol** 1986 Jul;19(4):291–301

The squirrel monkey as an experimental model in the study of cerebral organization of emotional vocal utterances. Jürgens U. **Eur Arch Psychiatry Neurol Sci** 1986; 236(1):40–3

Vocal communication in lion–tailed macaques (Macaca silenus). Hohmann GM, et al. **Folia Primatol (Basel)** 1985; 45(3–4):148–78

Hormonal regulation of chemosignals of female mice that elicit ultrasonic vocalizations from males. Byatt S, et al. **Horm Behav** 1986 Mar;20(1):60–72

Sexual dimorphism and gonadal control of ultrasonic vocalizations in adult pine voles, Microtus pinetorum. Cherry JA, et al. **Horm Behav** 1986 Mar;20(1):34–48

Delayed development of song control nuclei in the zebra finch is related to behavioral development. Herrmann K, et al. **J Comp Neurol** 1986 Mar 8;245(2):167–75

A proposed neural pathway for vocalization in South African clawed frogs, Xenopus laevis. Wetzel DM, et al. **J Comp Physiol [A]** 1985 Dec;157(6):749–61

Steroid interactions with structure and function of avian song control regions. DeVoogd TJ. **J Neurobiol** 1986 May; 17(3):177–201 (82 ref.)

Neuroeffectors for vocalization in Xenopus laevis: hormonal regulation of sexual dimorphism. Kelley DB. **J Neurobiol** 1986 May;17(3):231–48 (54 ref.)

Biosonar signals and cerebellar auditory neurons of the mustached bat. Horikawa J, et al. **J Neurophysiol** 1986 Jun; 55(6):1247–67

Changes in neuronal number, density and size account for increases in volume of song–control nuclei during song development in zebra finches. Bottjer SW, et al. **Neurosci Lett** 1986 Jun 30;67(3):263–8

A comparative study on the elicitability of vocalization by electrical brain stimulation, glutamate, aspartate and quisqualate in the squirrel monkey. Richter K, et al. **Neurosci Lett** 1986 May 23;66(3):239–44

Female cooing promotes ovarian development in ring doves. Cheng MF. **Physiol Behav** 1986;37(2):371–4

Differences in patterns of pup care in mice. V—Pup ultrasonic emissions and pup care behavior. Cohen–Salmon C, et al. **Physiol Behav** 1985 Aug;35(2):167–74

Effects of laryngeal denervation on ultrasound production and male sexual behavior in rodents. Nunez AA, et al. **Physiol Behav** 1985 Jun;34(6):901–5

Bilateral syringeal interaction in vocal production of an oscine bird sound. Nowicki S, et al. **Science** 1986 Mar 14; 231(4743):1297–9

Ultrasound production and stress in rodents. Kock N. **Vet Rec** 1986 May 24;118(21):588

[Single neuronal activities of the monkey orbitofrontal cortex and lateral hypothalamic area under vocalization–initiated feeding behavior] Yamamoto T. **Fukuoka Igaku Zasshi** 1985 Dec;76(12):566–80 (Eng. Abstr.) **(Jpn)**

VOCATIONAL EDUCATION

Microcomputers, model rockets, and race cars. Mirus EA Jr. **Am Ann Deaf** 1985 Nov;130(5):431–5

Computer–assisted video instruction at Moore–Norman Vocational Technical School. Stapleton ML. **Am Ann Deaf** 1985 Nov;130(5):371–3

Multiple applications for vocational training rotations: can we improve the system? Stott P. **Br Med J [Clin Res]** 1985 Oct 26;291(6503):1173–5

Project MAIN: classwork in the community benefits senior citizens. Blake GF. **Child Today** 1986 Jul–Aug;15(4):7–8

American Academy of Pediatrics Committee on Children with Disabilities: Role of the pediatrician in prevocational and vocational education of children and adolescents with developmental disabilities. **Pediatrics** 1986 Sep;78(3):529–30

[Development of the health status and life style of apprentices at the Mansfeld–Pieck Collective Enterprise] Bechtel C. **Arztl Jugendkd** 1986 Apr;77(2):117–20 (Eng. Abstr.) **(Ger)**

[Physical development and functional capacity of adolescents in the transition from school to vocational training] Hartmann B, et al. **Z Gesamte Hyg** 1986 May;32(5):304–6 (Eng. Abstr.) **(Ger)**

[Functional state of the central nervous system of students in the 9–10th grades working at the educational–industrial combine] Belinova AG. **Gig Sanit** 1985 Sep;(9):93–4 **(Rus)**

[Hygienic evaluation of the conditions and organization of vocational training at mining technical schools] Kharkovenko NM, et al. **Gig Sanit** 1985 Dec;(12):67–8 **(Rus)**

[Factors in the body adaptation of adolescents to working conditions during training in vocational and technical schools] Kruglova II, et al. **Gig Sanit** 1985 Jul;(7):35–7 (Eng. Abstr.) **(Rus)**

[New approaches in the hygienic evaluation of work loads of schoolchildren] Sorokina TN, et al. **Gig Sanit** 1985 Jul; (7):37–9 **(Rus)**

[Effect of physical exertion during the working semester on various body functions of the members of the student labor teams] Gnatiuk MS. **Gig Tr Prof Zabol** 1985 Oct;(10):46–8 **(Rus)**

[Current problems of organizing dental care for the pupils of vocational and technical schools in a large city] Poliakov IV, et al. **Stomatologiia (Mosk)** 1986 May–Jun;65(3):75–6 **(Rus)**

METHODS

[Hygienic principles of organizing the targeted physical education of pupils in 1–year vocational and technical schools] Sukharev AG, et al. **Gig Sanit** 1985 Jul;(7):58–61 (Eng. Abstr.) **(Rus)**

[Hygienic training of the students of mining vocational and technical schools and means for its improvement] Vinarik EM, et al. **Gig Sanit** 1985 Aug;(8):75–6 **(Rus)**

TRENDS

Vocational training for general practice—achievements of the last 15 years. Lennard M. **Bristol Med Chir J** 1985 Jul;100(375):72–3

[Training of personnel for sanitaro–epidemiological services] Naruszewicz–Lesiuk D. **Przegl Epidemiol** 1985; 39(3–4):363–8 (Eng. Abstr.) **(Pol)**

VOCATIONAL GUIDANCE

Resources for vocational planning applied to the job title of PHYSICAL THERAPIST. Sobush DC, et al. **Phys Ther** 1985 Oct;65(10):1524–8

METHODS

Vocational predictions compared with present vocational status of 60 young adults with cerebral palsy. O'Grady RS, et al. **Dev Med Child Neurol** 1985 Dec;27(6):775–84

The effect of previous experience on preference of approach for effective counseling. Hensley RA, et al. **J Psychol** 1985

Jul;119(4):293–6
[Principles and methods of developing the physiological hygiene elements of the job descriptions of the popular occupations] Sukhareva LM, et al. **Gig Sanit** 1985 Dec; (12):42–5 **(Rus)**

VOCATIONAL REHABILITATION see REHABILITATION, VOCATIONAL

VOCATIONS see OCCUPATIONS

VOICE

see related
CRYING

Technique for measuring the vocal penetrating capacity of the spoken voice. Pahn J, et al.
Acta Otolaryngol (Stockh) 1986 Jul–Aug;102(1–2):146–51
Transglottal pressures in professional singing. Schutte HK, et al. **Acta Otorhinolaryngol Belg** 1986;40(2):395–404
Aerodynamics of phonation. Schutte HK.
Acta Otorhinolaryngol Belg 1986;40(2):344–57
Sound spectral analysis of voice–transmitted sound. Baughman RP, et al. **Am Rev Respir Dis** 1986 Jul; 134(1):167–9
Aerodynamic studies of laryngectomees after the Amatsu tracheoesophageal shunt operation. Kinishi M, et al.
Ann Otol Rhinol Laryngol 1986 Mar–Apr;95(2 Pt 1):181–4
Acoustic analyses of phonation in patients with Huntington's disease. Preliminary report. Ramig LA.
Ann Otol Rhinol Laryngol 1986 May–Jun;95(3 Pt 1):288–93
Judgment of voice improvement after recurrent laryngeal nerve section for spastic dysphonia: clinicians versus patients. Sapir S, et al. **Ann Otol Rhinol Laryngol** 1986 Mar–Apr;95(2 Pt 1):137–41
Recognition of emotion from vocal cues. Johnson WF, et al. **Arch Gen Psychiatry** 1986 Mar;43(3):280–3
Voice recognition device as a computer interface for motor and speech impaired people. Fried–Oken M.
Arch Phys Med Rehabil 1985 Oct;66(10):678–81
Pitch perturbation measures of voice production of laryngectomees after the Amatsu tracheoesophageal shunt operation. Kinishi M, et al. **Auris Nasus Larynx** 1986; 13(1):53–62
Pharyngeal reconstruction after total laryngectomy with preservation of phonation. Singer MI, et al.
Auris Nasus Larynx 1985;12 Suppl 2:S206–9
Voice preservation technique in the surgical treatment of postcricoid cancer. Takemiya S, et al.
Auris Nasus Larynx 1985;12 Suppl 2:S48–51
To what extent are the cognitive performances of Wernicke's aphasics disturbed by their own vocalizations? Gandha I, et al. **Brain Cogn** 1983 Jan;2(1):12–24
Quantification of dyspnea confirmed by voice pitch analysis. Mohler JG. **Bull Eur Physiopathol Respir** 1982 Nov–Dec; 18(6):837–50
Hoarseness investigation by sound spectrographic analysis. Gu LD, et al. **Chin Med J [Engl]** 1984 Dec;97(12):901–4
Comparison of Tonar II, pressure–flow, and listener judgments of hypernasality in the assessment of velopharyngeal function. Dalston RM, et al.
Cleft Palate J 1986 Apr;23(2):108–15
Using your voice: speech recognition technology in medicine and surgery. Akers GA. **Clin Plast Surg** 1986 Jul; 13(3):509–11
Directivity of the human vocal source in the horizontal plane. Studebaker GA. **Ear Hear** 1985 Nov–Dec;6(6):315–9
Deficits in fine motor coordination in children with unintelligible speech. Amorosa H, et al.
Eur Arch Psychiatry Neurol Sci 1986;236(1):26–30
XXth Congress of the International Association of Logopedics and Phoniatrics. Tokyo, August 3–7, 1986. Abstracts. **Folia Phoniatr (Basel)** 1986;38(5–6):279–383
XXth Congress of the International Association of Logopedics and Phoniatrics. Tokyo, August 3–7, 1986. Main reports. **Folia Phoniatr (Basel)** 1986;38(2–4):61–276
Maximum phonation time for children with normal voices. Finnegan DE. **Folia Phoniatr (Basel)** 1985;37(5–6):209–15
Senescence of the voice: morphology of excised male larynges. Mueller PB, et al. **Folia Phoniatr (Basel)** 1985; 37(3–4):134–8
A multivariate statistical analysis of voice phenomena related to puberty in choir boys. Pedersen MF, et al.
Folia Phoniatr (Basel) 1985;37(5–6):271–8
Intonation and pausing in deaf speech. Stathopoulos ET, et al. **Folia Phoniatr (Basel)** 1986;38(1):1–12
Acoustical analyses of neonates' vocalizations. Gerber SE. **Int J Pediatr Otorhinolaryngol** 1985 Oct;10(1):1–8
Fundamental voice frequency measured by electroglottography during continuous speech. A new exact secondary sex characteristic in boys in puberty. Pedersen MF, et al. **Int J Pediatr Otorhinolaryngol** 1986 Feb;11(1):21–7
Fundamental frequency patterns during spontaneous picture description. Anderson SW, et al. **J Acoust Soc Am** 1986 Apr;79(4):1172–4
Spectral analysis of sung vowels. III. Characteristics of singers and modes of singing. Bloothooft G, et al.
J Acoust Soc Am 1986 Mar;79(3):852–64
The sound level of the singer's formant in professional singing. Bloothooft G, et al. **J Acoust Soc Am** 1986 Jun; 79(6):2028–33
A timing model for word–initial CV syllables in Modern Greek. Fourakis M. **J Acoust Soc Am** 1986 Jun;79(6):1982–6
Spectrographic voice identification: a forensic survey. Koenig BE. **J Acoust Soc Am** 1986 Jun;79(6):2088–90
Elderly listeners' estimates of vocal age in adult females. Linville SE, et al. **J Acoust Soc Am** 1986 Aug;80(2):692–4
Perception of the [m]–[n] distinction in CV syllables. Repp BH. **J Acoust Soc Am** 1986 Jun;79(6):1987–99
Acoustic comparison of voice use in solo and choir singing. Rossing TD, et al. **J Acoust Soc Am** 1986 Jun;79(6):1975–81
Consonant influences on vowel duration as a function of speech intelligibility for hearing–impaired individuals. Whitehead RL. **J Acoust Soc Am** 1986 Jun;79(6):2084–8
Predicting children's oral reading proficiency from selected acoustic and perceptual measures. Horii Y, et al.
J Commun Disord 1986 Aug;19(4):299–309
The vocal tract model of placement: II. Acoustic aspects. Nichols AC. **J Commun Disord** 1986 Aug;19(4):281–8
Acoustic characteristics of vocal tension/harshness in the speech of the hearing impaired. Whitehead RL, et al.
J Commun Disord 1985 Oct;18(5):351–61
Stroboscopy—a pertinent laryngological examination. Kitzing P. **J Otolaryngol** 1985 Jun;14(3):151–7
Do patients and physicians agree on the assessment of voice quality in laryngeal cancer? Sutherland HJ, et al.
J Otolaryngol 1984 Oct;13(5):325–30
The use of perceptual methods by new clinicians for assessing voice quality. Bassich CJ, et al. **J Speech Hear Disord** 1986 May;51(2):125–33
Effect of syllable stress and serial position on error variability in polysyllabic productions of speech–delayed children. Klein HB, et al. **J Speech Hear Disord** 1985 Nov; 50(4):391–402
Use of the phonation analyzer as a clinical tool. Wilson FB, et al. **J Speech Hear Disord** 1985 Nov;50(4):351–6
Onset of voicing in stuttered and fluent utterances. Borden GJ, et al. **J Speech Hear Res** 1985 Sep;28(3):363–72
Effects of feedback filtering on nasalization and self–perception of nasality. Burzynski CM, et al.
J Speech Hear Res 1985 Dec;28(4):585–8
Intraoral air pressure and oral air flow under different bleed and bite–block conditions. Putnam AH, et al.
J Speech Hear Res 1986 Mar;29(1):37–49
Acoustical analysis of the underlying voice differences between two groups of professional singers: opera and country and western. Burns P. **Laryngoscope** 1986 May; 96(5):549–54
Voice quality following laryngeal reinnervation by ansa hypoglossi transfer. Crumley RL, et al. **Laryngoscope** 1986 Jun;96(6):611–6
Vocal restoration and the large irregular tracheostoma. Johnson JT, et al. **Laryngoscope** 1986 Feb;96(2):214–5
Voice controller for wheelchairs. Miller GE, et al.
Med Biol Eng Comput 1985 Nov;23(6):597–600
Variability of voice fundamental frequency in elderly female speakers. Morgan EE, et al. **Percept Mot Skills** 1986 Aug; 63(1):215–8
Vocal fold adjustments in aspirated and unaspirated stops in Danish. Hutters B. **Phonetica** 1985;42(1):1–24
The voice as a curative factor in psychotherapy. Bady SL.
Psychoanal Rev 1985 Fall;72(3):479–90
[Averaged voice spectra in schizophrenics—responders and nonresponders to neuroleptic drugs] Sváb L, et al.
Cesk Psychiatr 1986 Apr;82(2):123–6 (Eng. Abstr.) **(Cze)**
[Evaluation of vocal stress by examination of the vocal field] Novák A, et al. **Sb Lek** 1986 Jun;88(6):171–6 (Eng. Abstr.) **(Cze)**
[Frequency range of the voice of stutterers under conditions of social isolation] Sváb L, et al. **Sb Lek** 1986 Jun; 88(6):181–5 (Eng. Abstr.) **(Cze)**
[Average spectral analysis of the voice. A comparison between the normal voice and the voice altered by various categories of laryngeal pathology] Dejonckere PH, et al.
Acta Otorhinolaryngol Belg 1986;40(2):426–35 (Eng. Abstr.) **(Fre)**
[Acoustic analysis of voice production. Production trial from a clinical perspective] Dejonckere PH.
Acta Otorhinolaryngol Belg 1986;40(2):377–85 (Eng. Abstr.) **(Fre)**
[Functional study of phonation. 2. Respiratory assessment] Dalleas B. **Rev Laryngol Otol Rhinol (Bord)** 1985; 106(4):285–8 (Eng. Abstr.) **(Fre)**
[The oscillo–impedance concept of laryngeal vibration] Dejonckere PH. **Rev Laryngol Otol Rhinol (Bord)** 1985; 106(4):275–82 (Eng. Abstr.) **(Fre)**
[Laryngostroboscopic observations in "inferior glottoscopy"] Salimbeni C, et al. **Rev Laryngol Otol Rhinol (Bord)** 1985; 106(4):283–4 (Eng. Abstr.) **(Fre)**
[Studies on the vibratory pattern of vocal cords in different registers using different stroboscopic technics] Röhrs M, et al. **Folia Phoniatr (Basel)** 1985;37(3–4):113–8 (Eng. Abstr.) **(Ger)**
[Quality of ructus voice following pharyngolaryngoesophagectomy] Lamprecht A.
Laryngol Rhinol Otol (Stuttg) 1986 May;65(5):277–81 (Eng. Abstr.) **(Ger)**
[The effect of palatal plates of various thicknesses on phonation] Kivovics P, et al. **Fogorv Sz** 1986 Jan; 79(1):17–20 (Eng. Abstr.) **(Hun)**
[A voice–controlled functional electrical stimulation system for the paralyzed hand] Handa Y, et al.
Iyodenshi To Seitai Kogaku 1985 Sep;23(5):292–8 (Eng. Abstr.) **(Jpn)**
[Multiparametric display of vocal dysfunction: use of radar chart] Kawamura Y, et al.
Nippon Jibiinkoka Gakkai Kaiho 1986 Apr;89(4):448–54 (Eng. Abstr.) **(Jpn)**
[Application of CO2 laser to the treatment of patients with laryngeal cancer and their post–treatment phonatory function] Yumoto E, et al.
Nippon Jibiinkoka Gakkai Kaiho 1985 Jun;88(6):728–33 (Eng. Abstr.) **(Jpn)**
[Surgical method of restoring the voice after complete removal of the larynx] Ol'shanskii VO, et al.
Vestn Otorinolaringol 1986 May–Jun;(3):67–71 (Eng. Abstr.) **(Rus)**
[Use of the external laryngeal microphone in glottis exploration with the application of the acoustic method of mean spectral amplitude] González Ortín M, et al.
An Otorrinolaringol Ibero Am 1985;12(6):549–58 (Eng. Abstr.) **(Spa)**
[Use of the automated Cepstrum method in acoustic recordings obtained with an external laryngeal microphone] González Ortín M, et al.
An Otorrinolaringol Ibero Am 1986;13(2):123–31 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Lithium–induced goiter and voice changes [letter] Strauss A, et al. **J Clin Psychopharmacol** 1986 Apr;6(2):120–1

VOICE DISORDERS

Dysphonia. Bradley PJ. **Br J Hosp Med** 1986 May; 35(5):331–4
XXth Congress of the International Association of Logopedics and Phoniatrics. Tokyo, August 3–7, 1986. Abstracts. **Folia Phoniatr (Basel)** 1986;38(5–6):279–383
XXth Congress of the International Association of Logopedics and Phoniatrics. Tokyo, August 3–7, 1986. Main reports. **Folia Phoniatr (Basel)** 1986;38(2–4):61–276
Voice disorders in the elderly. Morrison MD, et al.
J Otolaryngol 1986 Aug;15(4):231–4

CLASSIFICATION

[Dysphonias. I.] Bogdan C. **Rev Chir [Otorinolaringol]** 1985 Jul–Sep;30(3):221–33 (Eng. Abstr.) **(Rum)**

COMPLICATIONS

A stuttering therapy programme with spastic dysphonia—a single case study. Meyers I, et al.
S Afr J Commun Disord 1985;32:31–6

DIAGNOSIS

Electroglottography and vocal nodules. An attempt to quantify the shape of the signal. Dejonckere PH, et al.
Folia Phoniatr (Basel) 1985;37(3–4):195–200
Use of the phonation analyzer as a clinical tool. Wilson FB, et al. **J Speech Hear Disord** 1985 Nov;50(4):351–6
Speech waveform perturbation analysis: a perceptual–acoustical comparison of seven measures. Askenfelt AG, et al. **J Speech Hear Res** 1986 Mar; 29(1):50–64
Diagnostic criteria in functional dysphonia. Morrison MD, et al. **Laryngoscope** 1986 Jan;96(1):1–8
Pediatric videonasoendoscopy for speech and voice evaluation. D'Antonio L, et al.
Otolaryngol Head Neck Surg 1986 Jun;94(5):578–83
[Assessment of phonation] Jackson CA, et al.
Folia Phoniatr (Basel) 1985;37(3–4):129–33 (Eng. Abstr.) **(Fre)**
[Voice disorder following parathyroidectomy] Böhme G.
HNO 1985 Nov;33(11):503–4 (Eng. Abstr.) **(Ger)**
[Differential diagnostic considerations in functional voice disorders] von Deuster C. **HNO** 1985 Nov;33(11):499–502 (Eng. Abstr.) **(Ger)**
[Diseases of the voice. Clinical assessment and therapeutic aims] Tripodi D, et al. **Clin Ter** 1985 Sep 15;114(5):425–30 (Eng. Abstr.) **(Ita)**
[Multiparametric display of vocal dysfunction: use of radar chart] Kawamura Y, et al.
Nippon Jibiinkoka Gakkai Kaiho 1986 Apr;89(4):448–54 (Eng. Abstr.) **(Jpn)**
[Dysphonias (II)] Bogdan C. **Rev Chir [Otorinolaringol]** 1986 Jan–Mar;31(1):65–77 (Eng. Abstr.) **(Rum)**
[Clinical course, complex diagnosis and treatment of various forms of organic occupational diseases of the larynx] Zivazov AA, et al. **Vestn Otorinolaringol** 1985 Nov–Dec; (6):59–63 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Loss of voice as sole symptom of subglottic foreign–body aspiration [letter] Hanukoglu A, et al. **Am J Dis Child** 1986 Oct;140(10):973
Some specific medical problems of professional operatic singers. Gould WJ. **Cleve Clin Q** 1986 Spring;53(1):45–7
Dysphagia and dysphonia secondary to anterior cervical osteophytes. Brandenberg G, et al. **Neurosurgery** 1986 Jan; 18(1):90–3
[So–called "functional" voice pathology] Le Huche F.
Rev Laryngol Otol Rhinol (Bord) 1985;106(4):297 (Eng. Abstr.) **(Fre)**

[Treatment of dysphonia caused by unilateral paralysis of the recurrent nerve with teflon applied to the vocal cord] Lichtenberger G, et al. **Orv Hetil** 1986 Mar 30; 127(13):773–6 (Eng. Abstr.) **(Hun)**

[Voice disorders in thyroid gland dysfunction] Bikbaeva AI, et al. **Vestn Otorinolaringol** 1986 Jul–Aug;(4):51–5 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Magnetic resonance imaging findings and correlations in spasmodic dysphonia patients. Schaefer S, et al. **Ann Otol Rhinol Laryngol** 1985 Nov–Dec;94(6 Pt 1):595–601

PHYSIOPATHOLOGY

Electromyographic findings in focal laryngeal dystonia (spastic dysphonia). Blitzer A, et al. **Ann Otol Rhinol Laryngol** 1985 Nov–Dec;94(6 Pt 1):591–4

Effective airway resistance and vocal sound pressure level in cheerleaders with a history of dysphonic episodes. McHenry MA, et al. **Folia Phoniatr (Basel)** 1985; 37(5–6):223–31

The vocal tract model of placement: II. Acoustic aspects. Nichols AC. **J Commun Disord** 1986 Aug;19(4):281–8

[Evaluation of vocal stress by examination of the vocal field] Novák A, et al. **Sb Lek** 1986 Jun;88(6):171–6 (Eng. Abstr.) **(Cze)**

[Acoustic analysis of voice production. Production trial from a clinical perspective] Dejonckere PH. **Acta Otorhinolaryngol Belg** 1986;40(2):377–85 (Eng. Abstr.) **(Fre)**

[Pretreatment of the speech signal and parametric description of laryngeal pathology on the acoustic level] Schoentgen J. **Acta Otorhinolaryngol Belg** 1986;40(2):386–94 (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

[Apropos of so-called functional voice pathology [letter]] Le Huche F. **Ann Otolaryngol Chir Cervicofac** 1985; 102(6):469 **(Fre)**

[Relation between the dynamic basis of the personality and the function of the vocal organ] Urbanová O, et al. **Cesk Otolaryngol** 1985 Nov;34(6):355–60 (Eng. Abstr.) **(Slo)**

SURGERY

Judgment of voice improvement after recurrent laryngeal nerve section for spastic dysphonia: clinicians versus patients. Sapir S, et al. **Ann Otol Rhinol Laryngol** 1986 Mar–Apr;95(2 Pt 1):137–41

Laryngeal framework surgery for voice disorders. Isshiki N, et al. **Auris Nasus Larynx** 1985;12 Suppl 2:S217–20

THERAPY

Voice problems in entertainers. von Leden H. **West J Med** 1986 Jan;144(1):99–101

[Phoniatric therapeutics of the singing voice] Cornut G, et al. **Rev Laryngol Otol Rhinol (Bord)** 1985;106(4):289–94 (Eng. Abstr.) **(Fre)**

[Relaxation in voice pathology] Marvaud J. **Rev Laryngol Otol Rhinol (Bord)** 1985;106(4):299–300 (Eng. Abstr.) **(Fre)**

[Significance of temporary injection into the lining of the vocal cords in the treatment of paralytic dysphonia] Arold R, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Jan;65(1):5–6 (Eng. Abstr.) **(Ger)**

[Development and functional disorders of the child's voice] Cvejić D. **Srp Ark Celok Lek** 1983 Nov–Dec; 111(11–12):1557–9 **(Scc)**

VOICE PROSTHESIS see **LARYNX, ARTIFICIAL**

VOICE QUALITY see under **VOICE**

VOLATILIZATION

Solubility of N2O in volatile anesthetics contributes to vaporizer aberrancy when changing carrier gases. Scheller MS, et al. **Anesth Analg** 1986 Jan;65(1):88–90

Upper respiratory irritation from controlled exposure to vapor from carbonless copy forms. Morgan MS, et al. **J Occup Med** 1986 Jun;28(6):415–9

INSTRUMENTATION

A new generator for producing propylene oxide vapor in inhalation toxicity studies. Hori H, et al. **Sangyo Ika Daigaku Zasshi** 1986 Jun 1;8(2):169–76

VOLES see **CRICETIDAE**

VOLITION

The relationships between volition, activity pattern, and life satisfaction in the elderly. Smith NR, et al. **Am J Occup Ther** 1986 Apr;40(4):278–83

Treating the patient who "can't" versus treating the patient who "won't".Anscombe R. **Am J Psychother** 1986 Jan; 40(1):26–35

Serious-mindedness and the effect of self-induced respiratory changes upon parietal EEG. Svebak S. **Biofeedback Self Regul** 1985 Mar;10(1):49–62

Hemispheric differences in the voluntary inhibition of movement. Bruyer R, et al. **Brain Cogn** 1983 Jul;2(3):251–6

Volitional movement is not preceded by cortical slow negativity in cerebellar dentate lesion in man. Shibasaki H, et al. **Brain Res** 1986 Mar 19;368(2):361–5

Localization in human thalamus of units triggered during verbal commands,' voluntary movements and tremor. Raeva S. **Electroencephalogr Clin Neurophysiol** 1986 Feb; 63(2):160–73

Changes in activity of motor units preceding a rapid voluntary movement. Tanii K, et al. **Electroencephalogr Clin Neurophysiol** 1986 Feb; 63(2):188–91

Voluntary modulation of the vestibuloocular reflex in humans and its relation to smooth pursuit. McKinley PA, et al. **Exp Brain Res** 1985;60(3):454–64

On the issue of will. Brull F. **Isr J Psychiatry Relat Sci** 1985; 22(1–2):7–11

Effect of training on voluntary activation of human fusimotor neurons. Gandevia SC, et al. **J Neurophysiol** 1985 Dec; 54(6):1422–9

Psychology, determinism, and legal responsibility. Morse SJ. **Nebr Symp Motiv** 1985;33:35–85

Voluntary alteration of pattern visual evoked responses. Morgan RK, et al. **Ophthalmology** 1985 Oct;92(10):1356–63

The concept of will in the thinking of Otto Rank and its consequences for clinical practice. Menaker E. **Psychoanal Rev** 1985 Summer;72(2):255–64

On willingness to be a bone marrow donor. Briggs NC, et al. **Transfusion** 1986 Jul–Aug;26(4):324–30

Development and operation of a program to obtain volunteer bone marrow donors unrelated to the patient. McCullough J, et al. **Transfusion** 1986 Jul–Aug;26(4):315–23

VOLKMANN CONTRACTURE see **COMPARTMENT SYNDROMES**

VOLUNTARY HEALTH AGENCIES

Changes in the dental health of Israeli adolescents achieved by a British volunteer programme. Joels D. **Br Dent J** 1986 Jul 5;161(1):24–6

Altering physicians' practice patterns—a nationwide educational experiment: evaluation of the Clinical Education Program of the American Diabetes Association. Mazze R, et al. **Diabetes Care** 1986 Jul–Aug;9(4):420–5

To give is to get, HealthWest finds. Shahoda T. **Hospitals** 1986 Mar 20;60(6):42, 45

Treatment and follow-up of morbidity detected in medical camps in a village. Hedge GR, et al. **Indian J Med Sci** 1985 Jul;39(7):159–71

Service and rehabilitation. Keller JW. **J Med Assoc Ga** 1985 Sep;74(9):657–8

Selection, follow-up, and analysis in the American Cancer Society prospective studies. Garfinkel L. **Natl Cancer Inst Monogr** 1985 May;67:49–52

The evolving role of governmental and private American organizations in support of international cooperation in biomedical sciences. Wyngaarden JB. **Perspect Biol Med** 1986 Spring;29(3 Pt 2):S8–20

Cancer screening guidelines [letter] Wishart D. **West J Med** 1986 Jan;144(1):86

[Referral and consultation by the physician in problems of war victims] Dane J. **Ned Tijdschr Geneeskd** 1985 Aug 10;129(32):1525–7 **(Dut)**

ORGANIZATION & ADMINISTRATION

Cancer and beyond: the formation of BACUP. Clement-Jones V. **Br Med J [Clin Res]** 1985 Oct 12; 291(6501):1021–3

Strategic planning for health care management information systems. Rosenberger HR, et al. **Health Care Manage Rev** 1985 Winter;10(1):7–17

The Healthy Mothers, Healthy Babies Coalition: four years of progress. Arkin EB. **Public Health Rep** 1986 Mar–Apr; 101(2):147–56

Organization of an organ donation network. Davis FD, et al. **Surg Clin North Am** 1986 Jun;66(3):641–52

VOLUNTARY STERILIZATION see **STERILIZATION, SEXUAL**

VOLUNTARY WORKERS

'But do you get paid for this?' Burpo RH. **Am J Nurs** 1986 May;86(5):636

Volunteers in international rehabilitation: the U.S. Peace Corps experience in disability and related programs. Miller MM. **Annu Rev Rehabil** 1985;4:181–214 (23 ref.)

Joining two social institutions to counter rural Alaskan child abuse. Brown GW. **Child Abuse Negl** 1985;9(3):383–8

Using lay volunteers to represent children in child protection court proceedings. Duquette DN, et al. **Child Abuse Negl** 1986;10(3):293–308

Parent aides provide support to high risk families. Buckley S. **Child Today** 1985 Sep–Oct;14(5):16–9

Family friends. Schmidt AV. **Child Today** 1985 Sep–Oct; 14(5):12–5

Organizational volunteers for the rural frail elderly: outreach, casefinding, and service delivery. Young CL, et al. **Gerontologist** 1986 Aug;26(4):342–4

Shepherds centers: helping elderly help themselves [letter] Koenig HG. **J Am Geriatr Soc** 1986 Jan;34(1):73

Megatrends in volunteering for and by the aging. Essex V. **J Fla Med Assoc** 1985 Apr;72(4):263–5

Expatriate volunteers in Africa [editorial] **Lancet** 1985 Nov 30;2(8466):1223

Risks of overseas voluntary service [letter] van den Bosch P. **Lancet** 1986 Jan 25;1(8474):217

The experience of the Organization of Netherlands Volunteers in providing primary health care. Peters MA, et al. **Trop Geogr Med** 1985 Sep;37(3):S72–4

EDUCATION

The role of voluntary village aides in the control of malaria by presumptive treatment of fever. 1. Selection, training and practice. Moir JS, et al. **Papua New Guinea Med J** 1985 Dec;28(4):257–66

HISTORY

"Women are proverbially hopeful:" Newark's voluntary hospitals, 1867–1890. Sharpe WD. **Bull NY Acad Med** 1986 May;62(4):336–68

PSYCHOLOGY

The values of volunteer benefactors. Williams RF. **Ment Retard** 1986 Jun;24(3):163–8

VOLVULUS see **INTESTINAL OBSTRUCTION**

VOLVULUS, STOMACH see **STOMACH VOLVULUS**

VOMER see **NASAL SEPTUM**

VOMITING

Serum bile acids, gamma-glutamyltransferase and routine liver function tests in emetic and nonemetic pregnancies. Järnfelt-Samsioe A, et al. **Gynecol Obstet Invest** 1986; 21(4):169–76

CHEMICALLY INDUCED

Mallory-Weiss tear with colonic lavage [letter] Brinberg DE, et al. **Ann Intern Med** 1986 Jun;104(6):894–5

Persistent supersensitivity vomiting following neuroleptic withdrawal in an adolescent. Grob CS. **Biol Psychiatry** 1986 Apr;21(4):398–401

Nabilone and prochlorperazine: a useful combination for emesis induced by cytotoxic drugs. Cunningham D, et al. **Br Med J [Clin Res]** 1985 Sep 28;291(6499):864–5

Dimethylphenylpiperazinium-induced vomiting: nicotinic mediation in area postrema. Beleslin DB, et al. **Brain Res Bull** 1986 Jan;16(1):5–10

Nausea and vomiting possibly associated with intravenous acyclovir. Lisby SM, et al. **Drug Intell Clin Pharm** 1986 May;20(5):371–3

A short report of untoward reactions following administration of D.P.T. vaccine and vitamin A in an under five clinic. Ray SK, et al. **Indian J Public Health** 1984 Oct–Dec;28(4):213–6

Incidence, course, and severity of delayed nausea and vomiting following the administration of high-dose cisplatin. Kris MG, et al. **J Clin Oncol** 1985 Oct; 3(10):1379–84

Xylazine emesis, yohimbine and motion sickness susceptibility in the cat. Lucot JB, et al. **J Pharmacol Exp Ther** 1986 May;237(2):450–5

Preserving the emetic effect of syrup of ipecac with concurrent activated charcoal administration: a preliminary study. Krenzelok EP, et al. **J Toxicol Clin Toxicol** 1986; 24(2):159–66

Crossover comparison of the antiemetic efficacy of nabilone and alizapride in patients with nonseminomatous testicular cancer receiving cisplatin therapy. Niederle N, et al. **Klin Wochenschr** 1986 Apr 15;64(8):362–5

Insulin excites neurons of the area postrema and causes emesis. Carpenter DO, et al. **Neurosci Lett** 1986 Jul 11; 68(1):85–9

Ipecac administration in children younger than 1 year of age. Litovitz TL, et al. **Pediatrics** 1985 Nov;76(5):761–4

Management of theophylline toxicity [clinical conference] Rothman A, et al. **Va Med** 1985 Aug;112(8):504–8

[Drug-induced nausea and vomiting] Christensen JH, et al. **Ugeskr Laeger** 1985 Nov 25;147(48):3921–2 **(Dan)**

[Prevention of nausea and emesis during cytostatic therapy. Antiemetic efficacy of high-dosage oral metoclopramide without and with prednisone] Senn HJ, et al. **Dtsch Med Wochenschr** 1986 Jan 24;111(4):129–35 (Eng. Abstr.) **(Ger)**

[Diarrhea and vomiting as main symptoms—mushrooms and alcohol] Flammer R. **Schweiz Rundsch Med Prax** 1985 Sep 10;74(37):992–6 (Eng. Abstr.) **(Ger)**

[Emesis caused by cytostatics (letter)] Sackman Muriel F. **Medicina (B Aires)** 1984;44(3):335 **(Spa)**

COMPLICATIONS

Vomiting and 'spontaneous' rupture of the spleen. Lennard TW, et al. **Br J Clin Pract** 1985 Oct;39(10):407, 410

Spontaneous rupture of the oesophagus following severe vomiting in early pregnancy. Case report. Henry RJ, et al. **Br J Obstet Gynaecol** 1986 Apr;93(4):392–4

Is vomiting during pregnancy teratogenic? [letter] Golding J. **Br Med J [Clin Res]** 1986 Apr 26;292(6528):1136
Is vomiting during pregnancy teratogenic? Klebanoff MA, et al. **Br Med J [Clin Res]** 1986 Mar 15;292(6522):724–6
Mask phenomenon: postemesis facial purpura. Alcalay J, et al. **Cutis** 1986 Jul;38(1):28
Rumination: its significance in adults with bulimia nervosa. Larocca FE, et al. **Psychosomatics** 1986 Mar;27(3):209–12
[Severe metabolic alkalosis caused by vomiting (letter)] Bacq Y, et al. **Gastroenterol Clin Biol** 1985 Aug–Sep;9(8–9):634–5 **(Fre)**

DIAGNOSIS

Pyloric dysfunction in diabetics with recurrent nausea and vomiting. Mearin F, et al. **Gastroenterology** 1986 Jun; 90(6):1919–25
Retrospective exaggeration of symptoms: vomiting after gastric surgery for obesity. Stunkard A, et al. **Psychosom Med** 1985 Mar–Apr;47(2):150–5

DRUG THERAPY

Repetitive oral activated charcoal and control of emesis in severe theophylline toxicity. Amitai Y, et al. **Ann Intern Med** 1986 Sep;105(3):386–7
Prospective randomized double–blind trial of nabilone versus domperidone in the treatment of cytotoxic–induced emesis. Pomeroy M, et al. **Cancer Chemother Pharmacol** 1986; 17(3):285–8
Safety and efficacy of antiemetics used to treat nausea and vomiting in pregnancy. Lesthem AM. **Clin Pharm** 1986 Aug;5(8):660–8 (88 ref.)
Metoclopramide as an antiemetic agent in pediatric oncology patients. Howrie DL, et al. **Drug Intell Clin Pharm** 1986 Feb;20(2):122–4
Ineffectiveness of droperidol as antiemetic [letter] Jackson M, et al. **Drug Intell Clin Pharm** 1985 Nov;19(11):841–2
Corticosteroids and lorazepam as antiemetics in cancer chemotherapy. **Drug Ther Bull** 1986 Jun 16;24(12):46–8
A pilot study of high–dose domperidone as an antiemetic in patients treated with cisplatin. Tonato M, et al. **Eur J Cancer Clin Oncol** 1985 Jul;21(7):807–10
Improved benefit/risk ratio of higher–dose metoclopramide therapy during cisplatin–induced emesis. Saller R, et al. **Eur J Clin Pharmacol** 1985;29(3):311–2
Antiemetic effect of oral versus intravenous metoclopramide in patients receiving cisplatin: a randomized, double–blind trial. Anthony LB, et al. **J Clin Oncol** 1986 Jan;4(1):98–103
Enhancement of the antiemetic action of metoclopramide against cisplatin–induced emesis by transdermal electrical nerve stimulation. Saller R, et al. **J Clin Pharmacol** 1986 Feb;26(2):115–9
Methylprednisolone for chemotherapy–induced emesis: a double–blind randomized trial in children. Mehta P, et al. **J Pediatr** 1986 May;108(5 Pt 1):774–6
Dexamethasone antiemesis and side–effects [letter] Allan SG, et al. **Lancet** 1986 May 3;1(8488):1035
Antiemetic agents in oncological practice [editorial] Bishop JF. **Med J Aust** 1985 Oct 14;143(8):327–8
Recent advances in the prevention or reduction of cytotoxic–induced emesis. Kearsley JH, et al. **Med J Aust** 1985 Oct 14;143(8):341–6 (49 ref.)
Synthetic marijuana for nausea and vomiting due to cancer chemotherapy. **Med Lett Drugs Ther** 1985 Nov 22; 27(701):97–8
Adrenal corticosteroids as antiemetics during cancer chemotherapy. Cersosimo RJ, et al. **Pharmacotherapy** 1986 May–Jun;6(3):118–27 (37 ref.)
Reliability of videotape technology in assessing the efficacy of anti–emetic drugs. Triplett WC, et al. **Prog Clin Biol Res** 1986;216:377–84
Buprenorphine versus domperidone in chemotherapy–induced emesis: a pilot study. Dullemond–Westland AC, et al. **Radiother Oncol** 1986 Jun; 6(2):127–33
Sequential therapy with lithium in chemotherapy–induced vomiting. Candido A, et al. **Tumori** 1985 Dec 31; 71(6):603–7
Antiemetic activity of metoclopramide versus alizapride during cancer chemotherapy. Zambetti M, et al. **Tumori** 1985 Dec 31;71(6):609–14
[Vomiting] Fischer U. **Med Monatsschr Pharm** 1985 Dec; 8(12):366–70 **(Ger)**
[Antiemetic combination of metoclopramide and methylprednisolone for cisplatin–induced vomiting] Saito H, et al. **Gan To Kagaku Ryoho** 1985 Oct;12(10):1980–2 (Eng. Abstr.) **(Jpn)**
[Antiemetic therapy with timiperone in cisplatin–induced vomiting] Tari K, et al. **Gan To Kagaku Ryoho** 1986 Sep; 13(9):2848–52 (Eng. Abstr.) **(Jpn)**
[Antiemetic inefficacy of high intravenous doses of metoclopramide by short–term infusion in vomiting induced by antineoplastic chemotherapy (letter)] Martín Jiménez M, et al. **Med Clin (Barc)** 1986 Jun 28;87(5):215–6 **(Spa)**

ETIOLOGY

Castor bean poisoning. Wedin GP, et al. **Am J Emerg Med** 1986 May;4(3):259–61
Persistent anticipatory nausea, vomiting, and anxiety in cured Hodgkin's disease patients after completion of chemotherapy. Cella DF, et al. **Am J Psychiatry** 1986 May; 143(5):641–3
Complications of the Angelchik antireflux prosthesis. A community experience. Smith RS, et al. **Am J Surg** 1985 Dec;150(6):735–8
Nitrous oxide anaesthesia and vomiting. The effect of nitrous oxide anaesthesia on the incidence of vomiting following gynaecological laparoscopy. Lonie DS, et al. **Anaesthesia** 1986 Jul;41(7):703–7
Postoperative nausea and vomiting [letter] Lonie DS, et al. **Anaesthesia** 1986 Aug;41(8):877–8
Antral web—a rare cause of vomiting and haematemesis in childhood. Beluffi G, et al. **Australas Radiol** 1985 Nov; 29(4):341–2
Sudden emesis following parabolic flight maneuvers: implications for space motion sickness. Lackner JR, et al. **Aviat Space Environ Med** 1986 Apr;57(4):343–7
Morning sickness and thyroid function. Evans AJ, et al. **Br J Obstet Gynaecol** 1986 May;93(5):520–2
Supportive care of patients. **Chest** 1986 Apr;89(4 Suppl):35 /S–361S
Steroid hormones in emetic and non–emetic pregnancy. Järnfelt–Samsioe A, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Feb;21(2):87–99
Evaluation of patients with nausea and vomiting. Meeroff JC. **Hosp Pract [Off]** 1985 Oct 15;20(10):177–80
Back pain, vomiting after break–dance mishap. Moses J, et al. **Hosp Pract [Off]** 1985 Mar 15;20(3):100K–100L, 100P
Persistent vomiting after vigorous football game. Murray BJ. **Hosp Pract [Off]** 1986 Sep 15;21(9):198–202
Lack of association between prodromes nausea and vomiting, and specific electrocardiographic patterns of acute myocardial infarction. Gnecchi Ruscone T, et al. **Int J Cardiol** 1986 Apr;11(1):17–23
The role of ultrasonography in the evaluation of vomiting in infants. Blumhagen JD. **Pediatr Radiol** 1986;16(4):267–70
Animal models of motion sickness: are nonemetic species an appropriate choice? Ossenkopp KP, et al. **Physiologist** 1985 Dec;28(6 Suppl):S61–2
Potential link between hallucination and nausea/vomiting induced by alcohol? An empirical clinical finding. Shen WW. **Psychopathology** 1985;18(4):212–7
Intravenous marijuana syndrome. Brandenburg D, et al. **West J Med** 1986 Jul;145(1):94–6
[Stomach torsion around its longitudinal axis as a cause of persistent vomiting in infants] Kacprzyk SS, et al. **Wiad Lek** 1986 Mar 15;39(6):387–90 (Eng. Abstr.) **(Pol)**
[Vomiting frequency in children with orally rehydrated diarrhea] Velásquez–Jones L, et al. **Bol Med Hosp Infant Mex** 1986 Jun;43(6):353–8 (Eng. Abstr.) **(Spa)**

OCCURRENCE

Nausea and vomiting after strabismus surgery in preschool children. Hardy JF, et al. **Can Anaesth Soc J** 1986 Jan; 33(1):57–62
Self–induced vomiting and laxative and diuretic use among teenagers. Precursors of the binge–purge syndrome? Killen JD, et al. **JAMA** 1986 Mar 21;255(11):1447–9
Epidemiology of vomiting in early pregnancy. Klebanoff MA, et al. **Obstet Gynecol** 1985 Nov;66(5):612–6

PHYSIOPATHOLOGY

Antagonism of cisplatin–induced emesis by metoclopramide and dazopride through enhancement of gastric motility. Alphin RS, et al. **Dig Dis Sci** 1986 May;31(5):524–9
Emesis, upper gut dysmotility, and brainstem tumors [letter] Dubois A, et al. **Gastroenterology** 1986 Jul;91(1):265–6
Gastrointestinal motor correlates of vomiting in the dog: quantification and characterization as an independent phenomenon. Lang IM, et al. **Gastroenterology** 1986 Jan; 90(1):40–7
Electrogastrographic study of gastric myoelectrical activity in patients with unexplained nausea and vomiting. Geldof H, et al. **Gut** 1986 Jul;27(7):799–808
The neuroanatomy of vomiting in man: association of projectile vomiting with a solitary metastasis in the lateral tegmentum of the pons and the middle cerebellar peduncle. Baker PC, et al. **J Neurol Neurosurg Psychiatry** 1985 Nov; 48(11):1165–8
Gastric electrical dysrhythmias (tachygastria and tachyarrhythmia) in a girl with chronic intractable vomiting. Cucchiara S, et al. **J Pediatr** 1986 Feb; 108(2):264–7
Innervation of periesophageal region of cat's diaphragm: implication for studies of control of vomiting. Tan LK, et al. **Neurosci Lett** 1986 Aug 4;68(3):339–44
[Role of dopamine in vomiting] Backes G. **Fortschr Med** 1986 Feb 27;104(8):177–80 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

A cross–over comparison of nabilone and prochlorperazine for emesis induced by cancer chemotherapy. Niiranen A, et al. **Am J Clin Oncol** 1985 Aug;8(4):336–40
Transdermal hyoscine (scopolamine) and postoperative vomiting [editorial] Aronson JK, et al. **Anaesthesia** 1986 Jan;41(1):1–3
Transdermal hyoscine and postoperative nausea and vomiting. Uppington J, et al. **Anaesthesia** 1986 Jan; 41(1):16–20
Effect of droperidol pretreatment on postanesthetic vomiting in children undergoing strabismus surgery. Lerman J, et al. **Anesthesiology** 1986 Sep;65(3):322–5
Comparison of the use of domperidone, droperidol and metoclopramide in the prevention of nausea and vomiting following major gynaecological surgery. Madej TH, et al. **Br J Anaesth** 1986 Aug;58(8):884–7
Comparison of the use of domperidone, droperidol and metoclopramide in the prevention of nausea and vomiting following gynaecological surgery in day cases. Madej TH, et al. **Br J Anaesth** 1986 Aug;58(8):879–83
The relationship between steady state metoclopramide levels and control of emesis during treatment with cis–platinum. Kerr DJ, et al. **Br J Clin Pharmacol** 1985 Oct;20(4):426–7
Inhibition of cisplatin–induced vomiting by selective 5–hydroxytryptamine M–receptor antagonism. Miner WD, et al. **Br J Pharmacol** 1986 Jul;88(3):497–9
The antiemetic efficacy of secobarbital and chlorpromazine compared to metoclopramide, diphenhydramine, and dexamethasone. A randomized trial. Richards PD, et al. **Cancer** 1986 Aug 15;58(4):959–62
An effective five–drug antiemetic combination for prevention of chemotherapy–related nausea and vomiting. Experience in eighty–four patients. Kessler JF, et al. **Cancer Chemother Pharmacol** 1986;16(3):282–6
Antiemetic activity of two different high doses of metoclopramide in cisplatin–treated cancer patients: a randomized double–blind trial of the Italian Oncology Group for Clinical Research. Roila F, et al. **Cancer Treat Rep** 1985 Dec;69(12):1353–7
Effect of diphenhydramine on the antiemetic action of metoclopramide against cisplatin–induced emesis in dogs [letter] Smith WL, et al. **Cancer Treat Rep** 1986 Jul; 70(7):934–5
Continuous infusion of metoclopramide for prevention of chemotherapy–induced emesis. Agostinucci WA, et al. **Clin Pharm** 1986 Feb;5(2):150–3
The antiemetic activity of high–dose alizapride and high–dose metoclopramide in patients receiving cancer chemotherapy: a prospective, randomized, double–blind trial. Joss RA, et al. **Clin Pharmacol Ther** 1986 Jun; 39(6):619–24
Droperidol prevents and treats nausea and vomiting after enflurane anaesthesia. Korttila K, et al. **Eur J Anaesthesiol** 1985 Dec;2(4):379–85
Clinical pharmacokinetics of high–dose metoclopramide in cancer patients receiving cisplatin therapy. McDermed JE, et al. **J Clin Oncol** 1985 Oct;3(10):1400–8
Antiemetic effect of high–dose metoclopramide [letter] Roila F, et al. **J Clin Oncol** 1986 Mar;4(3):440–1
Metoclopramide in prevention of postanaesthetic vomiting. Paul AK. **J Indian Med Assoc** 1985 Aug;83(8):271–3
Nalbuphine and droperidol in combination for sedation and prevention of nausea and vomiting during intra–carotid BCNU infusion. Klein DS, et al. **J Neurooncol** 1986; 3(4):323–5
Antiemetic efficacy of moderately high–dose metoclopramide in patients receiving varying doses of cisplatin. Controlled comparison with a combination of methylprednisolone and metoclopramide. Ell C, et al. **Oncology** 1985;42(6):354–7
The value of dexamethasone when added to combination drug therapy in the prevention of cisplatin–induced nausea and vomiting, evaluated by time–lapse video technology. Rhinehart SN, et al. **Prog Clin Biol Res** 1986;216:407–16
The antiemetic effect of Cannabis sativa during cytotoxic therapy [letter] Ames FR, et al. **S Afr Med J** 1985 Nov 23;68(11):780–1
[Transdermal scopolamine (TTS–scopolamine) for the prevention of postoperative nausea and vomiting] Tolksdorf W, et al. **Anaesthesist** 1985 Dec;34(12):656–62 (Eng. Abstr.) **(Ger)**
[Randomized cross–over study on the effects of methylprednisolone, metoclopramide and droperidol on the control of nausea and vomiting associated with cis–platinum chemotherapy] Niijima T, et al. **Gan To Kagaku Ryoho** 1986 Jul;13(7):2376–82 (Eng. Abstr.) **(Jpn)**
[Clinical evaluation of sulpiride against nausea and vomiting during cancer chemotherapy compared with domperidone—envelope method] Sakata Y, et al. **Gan To Kagaku Ryoho** 1986 Jul;13(7):2415–8 (Eng. Abstr.) **(Jpn)**
[Randomized controlled study of high–dose metoclopramide and dexamethasone in the prevention of CDDP–induced emesis] Umehara H, et al. **Gan To Kagaku Ryoho** 1986 May; 13(5):1996–8 **(Jpn)**
[Metoclopramide in the prevention of nausea and vomiting caused by cytostatics] Świerż J, et al. **Wiad Lek** 1985 May 15;38(10):715–8 (Eng. Abstr.) **(Pol)**

PSYCHOLOGY

Prevalence and prediction of chemotherapy–related anxiety, nausea and vomiting in cancer patients. Olafsdottir M, et al. **Behav Res Ther** 1986;24(1):59–66
Effects of nutritional and mechanical properties of food on ruminative behavior. Rast J, et al. **J Exp Anal Behav** 1985 Sep;44(2):195–206
Functional vomiting. Morgan HG. **J Psychosom Res** 1985; 29(4):341–52

RADIOGRAPHY

Green vomiting in the first 72 hours in normal infants. Lilien

LD, et al. **Am J Dis Child** 1986 Jul;140(7):662–4

THERAPY

Acupressure and postoperative vomiting [letter] Fry EN. **Anaesthesia** 1986 Jun;41(6):661–2

Modified satiation reducing ruminative vomiting without excessive weight gain. Lobato D, et al. **Appl Res Ment Retard** 1986;7(3):337–47

Varied citrus treatment of ruminant gagging in a teenager with Batten's disease. Glascock SG, et al. **J Behav Ther Exp Psychiatry** 1986 Jun;17(2):129–33

VETERINARY

Trichomoniasis, a major cause of vomiting in budgerigars. Baker JR. **Vet Rec** 1986 Apr 19;118(16):447–9

VON GIERKE'S DISEASE see GLUCOSEPHOSPHATASE DEFICIENCY

VON WILLEBRAND FACTOR

Proposed symbols for factor VIII and von Willebrand factor [letter] Marder VJ, et al. **Ann Intern Med** 1986 Oct; 105(4):627

Human von Willebrand factor: a multivalent protein composed of identical subunits. Chopek MW, et al. **Biochemistry** 1986 Jun 3;25(11):3146–55

Amino acid sequence of human von Willebrand factor. Titani K, et al. **Biochemistry** 1986 Jun 3;25(11):3171–84

Effect of dextran on factor VIII/von Willebrand factor structure and function. Batlle J, et al. **Thromb Haemost** 1985 Oct 30;54(3):697–9

Standard nomenclature for factor VIII and von Willebrand factor: a recommendation by the International Committee on Thrombosis and Haemostasis. Marder VJ, et al. **Thromb Haemost** 1985 Dec 17;54(4):871–2

ANALYSIS

Relationship between factor XII, von Willebrand factor and postoperative deep vein thrombosis. Nilsson T, et al. **Acta Chir Scand** 1986 May;152:347–9

Megakaryocytopoiesis in different forms of thrombocytosis and thrombocytopenia: identification of megakaryocyte precursors by immunostaining of intracytoplasmic factor-VIII-related antigen. Knecht H, et al. **Acta Haematol (Basel)** 1985;74(4):208–12

A human myeloma-produced monoclonal protein directed against the active subpopulation of von Willebrand factor. Bovill EG, et al. **Am J Clin Pathol** 1986 Jan;85(1):115–23

Multimeric pattern discrepancy between platelet and plasma von Willebrand factor in type IIC von Willebrand disease. Batlle J, et al. **Am J Hematol** 1986 May;22(1):87–8

Excessive fibrinolysis in suspected amyloidosis: demonstration of plasmin-alpha 2-plasmin inhibitor complex and von Willebrand factor fragment in plasma. Takahashi H, et al. **Am J Hematol** 1986 Oct;23(2):153–66

High-resolution analysis of von Willebrand factor multimeric composition defines a new variant of type I von Willebrand disease with aberrant structure but presence of all size multimers (type IC). Ciavarella G, et al. **Blood** 1985 Dec; 66(6):1423–9

Gray platelet syndrome: immunoelectron microscopic localization of fibrinogen and von Willebrand factor in platelets and megakaryocytes. Cramer EM, et al. **Blood** 1985 Dec;66(6):1309–16

Loss of the largest von Willebrand factor multimers from the plasma of patients with congenital cardiac defects. Gill JC, et al. **Blood** 1986 Mar;67(3):758–61

Platelet von Willebrand factor: an important determinant of the bleeding time in type I von Willebrand's disease. Gralnick HR, et al. **Blood** 1986 Jul;68(1):58–61

Covalent crosslinking of von Willebrand factor to fibrin. Hada M, et al. **Blood** 1986 Jul;68(1):95–101

A new variant of type II von Willebrand disease with aberrant multimeric structure of plasma but not platelet von Willebrand factor (type IIF). Mannucci PM, et al. **Blood** 1986 Jul;68(1):269–74

von Willebrand factor in thrombotic thrombocytopenic purpura [letter] Moake JL. **Blood** 1986 May;67(5):1523–6

Mediation of platelet adhesion to fibrillar collagen in flowing blood by a proteolytic fragment of human von Willebrand factor. Sakariassen KS, et al. **Blood** 1986 May;67(5):1515–8

A new von Willebrand variant (type I, New York): increased ristocetin-induced platelet aggregation and plasma von Willebrand factor containing the full range of multimers. Weiss HJ, et al. **Blood** 1986 Jul;68(1):149–56

PF,VIII/vWF,B-TG and PF4 in diabetic subjects, both type 1 and 2, with and without retinopathy. Guastamacchia E, et al. **Boll Soc Ital Biol Sper** 1985 Apr 30;61(4):499–505

Abnormalities of von Willebrand factor in myeloproliferative disease: a relationship with bleeding diathesis. Fabris F, et al. **Br J Haematol** 1986 May;63(1):75–83

Profound alterations of the multimeric structure of von Willebrand factor in a patient with malignant lymphoma. Tran-Thang C, et al. **Br J Haematol** 1985 Oct;61(2):307–14

Primary structure of a new tetraantennary glycan of the N-acetyllactosaminic type isolated from human factor VIII/von Willebrand factor. Samor B, et al. **Eur J Biochem** 1986 Jul 15;158(2):295–8

Von Willebrand factor levels do not predict or diagnose radiation pneumonitis. Fajardo LF, et al. **Int J Radiat Oncol Biol Phys** 1986 Jan;12(1):107–10

von Willebrand factor. A reduced and alkylated 52/48-kDa fragment beginning at amino acid residue 449 contains the domain interacting with platelet glycoprotein Ib. Fujimura Y, et al. **J Biol Chem** 1986 Jan 5;261(1):381–5

Substructure of human von Willebrand factor. Fowler WE, et al. **J Clin Invest** 1985 Oct;76(4):1491–500

Von Willebrand's disease with spontaneous platelet aggregation induced by an abnormal plasma von Willebrand factor. Grainick HR, et al. **J Clin Invest** 1985 Oct;76(4):1522–9

Visualization of the multimeric structure of von Willebrand factor using a peroxidase-conjugated second antibody. Zaleski A, et al. **J Lab Clin Med** 1986 Feb;107(2):172–5

Unique multimeric pattern of von Willebrand factor in a patient with a benign monoclonal gammopathy. López-Fernández MF, et al. **Scand J Haematol** 1986 Mar; 36(3):302–8

Visualization of von Willebrand factor multimers by immunoenzymatic stain using avidin-biotin peroxidase complex. Aihara M, et al. **Thromb Haemost** 1986 Apr 30; 55(2):263–7

Visualization of von Willebrand factor multimers by enzyme-conjugated secondary antibodies. Brosstad F, et al. **Thromb Haemost** 1986 Apr 30;55(2):276–8

A two-site, monoclonal antibody-based immunoassay for von Willebrand factor—demonstration that vWF function resides in a conformational epitope. Chand S, et al. **Thromb Haemost** 1986 Jun 30;55(3):318–24

Reactivity of small molecular forms of human factor VIII/von Willebrand factor with botrocetin and anti-factor VIII-coated latex particles. Furlan M, et al. **Thromb Haemost** 1985 Aug 30;54(2):463–5

von Willebrand factor and major blood groups in Japan [letter] Kariya K, et al. **Thromb Haemost** 1986 Apr 30; 55(2):297

Electroblot and immunoperoxidase staining for rapid screening of the abnormalities of the multimeric structure of von Willebrand factor in von Willebrand's disease. Lombardi R, et al. **Thromb Haemost** 1986 Apr 30; 55(2):246–9

The multimeric structure of plasma F VIII:RAg studied by electroelution and immunoperoxidase detection. Bukh A, et al. **Thromb Res** 1986 Sep 1;43(5):579–84

Factor VIII coagulant activity and von Willebrand factor in post-exercise plasma from standardbred horses. Johnson GS, et al. **Thromb Res** 1986 May 1;42(3):419–23

A modified SDS agarose gel method for determining factor VIII von Willebrand factor multimers using commercially available reagents. Miller MA, et al. **Thromb Res** 1985 Sep 15;39(6):777–80

Application of an enzyme-linked immunosorbent assay (ELISA) to von Willebrand factor (vWF) and its derivatives. Silveira AM, et al. **Thromb Res** 1986 Jul 1; 43(1):91–102

[Willebrand's disease and multimeric analysis of the Willebrand factor] Hauert J, et al. **Schweiz Med Wochenschr** 1985 Dec 7;115(49):1773–5 (Eng. Abstr.) **(Fre)**

[Blood coagulation factor VIII complex in liver diseases] Mizuguchi A. **Nippon Shokakibyo Gakkai Zasshi** 1985 Jun; 82(6):1533–42 (Eng. Abstr.) **(Jpn)**

[Thrombocyte adhesion and spreading in patients with a high plasma content of von Willebrand factor] Bespal'ko IA, et al. **Gematol Transfuziol** 1986 Apr;31(4):58–60 **(Rus)**

[Microtitration method for determining von Willebrand's factor in the plasma of acute myocardial infarct patients] Bespal'ko IA. **Lab Delo** 1985;(12):718–22 (Eng. Abstr.) **(Rus)**

[Plasma level of von Willebrand factor in patients with ischemic heart disease] Orlov VN, et al. **Ter Arkh** 1986; 58(3):57–60 (Eng. Abstr.) **(Rus)**

[Use of ultrasonicated plasma as a diluent in the technic for measuring ristocetin cofactor] Woods AI, et al. **Sangre (Barc)** 1985;30(6):999–1006 (Eng. Abstr.) **(Spa)**

ANTAGONISTS & INHIBITORS

Acquired von Willebrand syndrome due to an inhibitor specific for von Willebrand factor antigens. Lazarchick J, et al. **Am J Hematol** 1986 Mar;21(3):305–14

BIOSYNTHESIS

Inducible secretion of large, biologically potent von Willebrand factor multimers. Sporn LA, et al. **Cell** 1986 Jul 18;46(2):185–90

Initial glycosylation and acidic pH in the Golgi apparatus are required for multimerization of von Willebrand factor. Wagner DD, et al. **J Cell Biol** 1986 Apr;102(4):1320–4

An explanation for minor multimer species in endothelial cell-synthesized von Willebrand factor. Lynch DC, et al. **J Clin Invest** 1986 Jun;77(6):2048–51

Biosynthesis of von Willebrand protein by human megakaryocytes. Sporn LA, et al. **J Clin Invest** 1985 Sep; 76(3):1102–6

CLASSIFICATION

Multicenter comparison of von Willebrand factor multimer sizing techniques. Report of the Factor VIII and von Willebrand Factor Subcommittee. Mannucci PM, et al. **Thromb Haemost** 1985 Dec 17;54(4):873–6

GENETICS

von Willebrand disease type IIC with different abnormalities of von Willebrand factor in the same sibship. Batlle J, et al. **Am J Hematol** 1986 Feb;21(2):177–88

cDNA sequences for human von Willebrand factor reveal five types of repeated domains and five possible protein sequence polymorphisms. Shelton-Inloes BB, et al. **Biochemistry** 1986 Jun 3;25(11):3164–71

A polymorphism of the human von Willebrand factor (vWf) gene with BamHI. Nishino K, et al. **Nucleic Acids Res** 1986 Jun 11;14(11):4697

RFLP for a human von Willebrand factor (vWF) cDNA clone, pvWF1100. Verweij CL, et al. **Nucleic Acids Res** 1985 Nov 25;13(22):8289

Cloning and characterization of two cDNAs coding for human von Willebrand factor. Sadler JE, et al. **Proc Natl Acad Sci USA** 1985 Oct;82(19):6394–8

IMMUNOLOGY

von Willebrand factor abnormalities and endothelial cell perturbation in a patient with acute thrombotic thrombocytopenic purpura. Moake JL, et al. **Am J Med Sci** 1986 Jan;291(1):47–50

Absence of tubular structures and immunolabeling for von Willebrand factor in the platelet alpha-granules from porcine von Willebrand disease. Cramer EM, et al. **Blood** 1986 Sep;68(3):774–8

Inhibition of platelet adhesion to fibronectin, fibrinogen, and von Willebrand factor substrates by a synthetic tetrapeptide derived from the cell-binding domain of fibronectin. Haverstick DM, et al. **Blood** 1985 Oct;66(4):946–52

Hemostatic plug formation in normal and von Willebrand pigs: the effect of the administration of cryoprecipitate and a monoclonal antibody to Willebrand factor. Sawada Y, et al. **Blood** 1986 May;67(5):1229–39

A competitive ELISA technique for the measurement of von Willebrand factor antigen (vWF:Ag) using staphylococcal protein A peroxidase. Brien WF, et al. **Clin Biochem** 1986 Jun;19(3):179–82

Determinants of von Willebrand factor activity elicited by ristocetin and botrocetin: studies on a human von Willebrand factor-binding antibody. Brinkhous KM, et al. **Semin Thromb Hemost** 1985 Oct;11(4):337–41

Registry of monoclonal antibodies to factor VIII and von Willebrand factor. International Committee on Thrombosis and Haemostasis. Goodall AH, et al. **Thromb Haemost** 1985 Dec 17;54(4):878–91

An ELISA test for the binding of von Willebrand antigen to collagen. Brown JE, et al. **Thromb Res** 1986 Aug 1; 43(3):303–11

[Factor VIII complexes in acute lymphoblastic leukemia in childhood] Goldschmidt B, et al. **Orv Hetil** 1986 Jan 19; 127(3):131–4 (Eng. Abstr.) **(Hun)**

[Studies on the effects of five monoclonal antibodies, polyclonal rabbit antibody and homologous antibody to human F VIII/vWF on ristocetin-induced platelet agglutination and platelet retention by glass bead column] Ogata K, et al. **Rinsho Ketsueki** 1985 Jul;26(7):1042–9 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Improved characterization of plasma von Willebrand factor heterogeneity when using 2.5% agarose gel electrophoresis. Mazurier C, et al. **Thromb Haemost** 1986 Feb 28;55(1):61–4

Parallel characterization of bovine von Willebrand protein (factor VIII-associated protein) by light scattering and SDS gel electrophoresis. Binnie C, et al. **Thromb Res** 1985 Nov 15;40(4):523–32

METABOLISM

Conformational changes in von Willebrand's factor protein: effects on the binding of factor VIII-coagulant. Benson RE, et al. **Am J Hematol** 1986 Jun;22(2):113–22

Subendothelial proteins and platelet adhesion. von Willebrand factor and fibronectin, not thrombospondin, are involved in platelet adhesion to extracellular matrix of human vascular endothelial cells. Houdijk WP, et al. **Arteriosclerosis** 1986 Jan-Feb;6(1):24–33

Limited proteolysis of human von Willebrand factor by Staphylococcus aureus V-8 protease: isolation and partial characterization of a platelet-binding domain. Girma JP, et al. **Biochemistry** 1986 Jun 3;25(11):3156–63

Solution studies of the quaternary structure and assembly of human von Willebrand factor. Loscalzo J, et al. **Biochemistry** 1985 Jul 30;24(16):4468–75

Mapping of distinct von Willebrand factor domains interacting with platelet GPIb and GPIIb/IIIa and with collagen using monoclonal antibodies. Girma JP, et al. **Blood** 1986 May;67(5):1356–66

Identification of functional domains on von Willebrand factor by binding of tryptic fragments to collagen and to platelets in the presence of ristocetin. Houdijk WP, et al. **Blood** 1986 May;67(5):1498–503

Proteolytic cleavage of human von Willebrand factor induced by enzyme(s) released from polymorphonuclear cells. Thompson EA, et al. **Blood** 1986 May;67(5):1281–5

Factor VIII/von Willebrand factor: a multivalent ligand binding to platelets and collagen. Furlan M. **Blut** 1986 Jun; 52(6):329–36 (47 ref.)

Arg-Gly-Asp: a versatile cell recognition signal. Ruoslahti

E, et al. **Cell** 1986 Feb 28;44(4):517–8
Structure and function of platelet membrane glycoproteins Ib and V. Effects of leukocyte elastase and other proteases on platelets response to von Willebrand factor and thrombin. Wicki AN, et al. **Eur J Biochem** 1985 Nov 15; 153(1):1–11
Increases in factor VIII complex and fibrinolytic activity are dependent on exercise intensity. Andrew M, et al. **J Appl Physiol** 1986 Jun;60(6):1917–22
The von Willebrand factor–binding domain of platelet membrane glycoprotein Ib. Characterization by monoclonal antibodies and partial amino acid sequence analysis of proteolytic fragments. Handa M, et al. **J Biol Chem** 1986 Sep 25;261(27):12579–85
Comparison of the specificities of laminin, thrombospondin, and von Willebrand factor for binding to sulfated glycolipids. Roberts DD, et al. **J Biol Chem** 1986 May 25; 261(15):6872–7
von Willebrand factor binds specifically to sulfated glycolipids. Roberts DD, et al. **J Biol Chem** 1986 Mar 5; 261(7):3306–9
Binding and covalent cross–linking of purified von Willebrand factor to native monomeric collagen. Bockenstedt P, et al. **J Clin Invest** 1986 Aug;78(2):551–6
Structural basis of von Willebrand factor binding to platelet glycoprotein Ib and collagen. Effects of disulfide reduction and limited proteolysis of polymeric von Willebrand factor. Bockenstedt P, et al. **J Clin Invest** 1986 Mar;77(3):743–9
von Willebrand factor interaction with the glycoprotein IIb/IIa complex. Its role in platelet function as demonstrated in patients with congenital afibrinogenemia. De Marco L, et al. **J Clin Invest** 1986 Apr;77(4):1272–7
Independent modulation of von Willebrand factor and fibrinogen binding to the platelet membrane glycoprotein IIb/IIIa complex as demonstrated by monoclonal antibody. Lombardo VT, et al. **J Clin Invest** 1985 Nov;76(5):1950–8
Subunit composition of plasma von Willebrand factor. Cleavage is present in normal individuals, increased in IIA and IIB von Willebrand disease, but minimal in variants with aberrant structure of individual oligomers (types IIC, IID, and IIE). Zimmerman TS, et al. **J Clin Invest** 1986 Mar;77(3):947–51
Interaction of purified type IIB von Willebrand factor with the platelet membrane glycoprotein Ib induces fibrinogen binding to the glycoprotein IIb/IIIa complex and initiates aggregation. De Marco L, et al. **Proc Natl Acad Sci USA** 1985 Nov;82(21):7424–8
The effect of Arg–Gly–Asp–containing peptides on fibrinogen and von Willebrand factor binding to platelets. Plow EF, et al. **Proc Natl Acad Sci USA** 1985 Dec; 82(23):8057–61
Platelet—von Willebrand factor interactions in type IIB von Willebrand's disease. Holmberg L, et al. **Scand J Haematol** 1985 Sep;35(3):305–14
Propolypeptide of von Willebrand factor circulates in blood and is identical to von Willebrand antigen II. Fay PJ, et al. **Science** 1986 May 23;232(4753):995–8
Increase in plasma concentration of plasminogen activator inhibitor, fibrinogen, von Willebrand factor, factor VIII:C and in erythrocyte sedimentation rate with age. Aillaud MF, et al. **Thromb Haemost** 1986 Jun 30;55(3):330–2
Effect of carbohydrate modifications of factor VIII/von Willebrand factor on binding to platelets. Goudemand J, et al. **Thromb Haemost** 1985 Jun 24;53(3):390–5
Enhancement of factor VIII–von Willebrand factor ristocetin cofactor activity by monoclonal antibodies. Hornsey V, et al. **Thromb Haemost** 1985 Aug 30;54(2):510–4
Increased factor VIII complex in fulminant hepatic failure. Langley PG, et al. **Thromb Haemost** 1985 Oct 30; 54(3):693–6
The von Willebrand factor in myocardial infarction and unstable angina: a kinetic study. Margulis T, et al. **Thromb Haemost** 1986 Jun 30;55(3):366–8
Effects of arginine vasopressin (AVP) infusions on circulating concentrations of platelet AVP, factor VIII: C and von Willebrand factor. Nussey SS, et al. **Thromb Haemost** 1986 Feb 28;55(1):34–6
Comparison of the in vivo survival of human factor VIII with and without von Willebrand factor in the hemophilic dog. Fay PJ, et al. **Thromb Res** 1986 Feb 1;41(3):425–9
The effect of an acute phase reaction and BCG innoculation on factor VIII in the guinea–pig. Kelly D, et al. **Thromb Res** 1985 Nov 15;40(4):445–51
Von Willebrand factor and cardiovascular risk. Myreng Y, et al. **Thromb Res** 1986 Mar 15;41(6):867–71
Thrombin enhanced adhesion of platelets to von Willebrand factor substrates. Santoro SA, et al. **Thromb Res** 1986 Jul 1;43(1):57–72
[Thrombin–mediated interaction between platelets and FvW present in commercial preparations and cryoprecipitate] López Fernández MF, et al. **Sangre (Barc)** 1985;30(5):871–9 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

von Willebrand factor contaminating porcine factor VIII concentrate (Hyate:C) causes platelet aggregation. Altieri DC, et al. **Br J Haematol** 1986 Aug;63(4):703–11
DDAVP, cryoprecipitate, and highly 'purified' factor VIII concentrate in uremia. Juhl A. **Nephron** 1986;43(4):305–6

PHYSIOLOGY

Characterisation of factor VIII receptors. Shapiro SS. **Adv Exp Med Biol** 1985;192:55–66 (59 ref.)
von Willebrand factor and platelet function. Moroose R, et al. **Annu Rev Med** 1986;37:157–63 (29 ref.)
Development of coronary atherosclerosis in swine with severe hypercholesterolemia. Lack of influence of von Willebrand factor or acute intimal injury. Griggs TR, et al. **Arteriosclerosis** 1986 Mar–Apr;6(2):155–65
von Willebrand's disease characterized by increased ristocetin sensitivity and the presence of all von Willebrand factor multimers in plasma. Holmberg L, et al. **Blood** 1986 Sep; 68(3):668–72
Investigation of the role of von Willebrand factor in thrombotic thrombocytopenic purpura. Lian EC, et al. **Blood** 1985 Nov;66(5):1219–21
Identification of platelet glycoprotein IIb/IIIa as the major binding site for released platelet–von Willebrand factor. Parker RI, et al. **Blood** 1986 Sep;68(3):732–6
von Willebrand's disease prevents occlusive thrombosis in stenosed and injured porcine coronary arteries. Nichols TC, et al. **Circ Res** 1986 Jul;59(1):15–26
Acquired Bernard–Soulier syndrome. Evidence for the role of a 210,000–molecular weight protein in the interaction of platelets with von Willebrand factor. Stricker RB, et al. **J Clin Invest** 1985 Sep;76(3):1274–8
Von Willebrand factor–dependent agglutination of washed fixed human platelets by insoluble collagen isolated from bovine aorta. Perret BA, et al. **J Lab Clin Med** 1986 Mar; 107(3):244–52
Further studies on aggregation of platelet–type von Willebrand's disease platelets by human von Willebrand factor. Takahashi H, et al. **Thromb Haemost** 1986 Jun 30; 55(3):338–41
The influence of preadsorbed canine von Willebrand factor, fibronectin and fibrinogen on ex vivo artificial surface–induced thrombosis. Lambrecht LK, et al. **Thromb Res** 1986 Jan 1;41(1):99–117

SECRETION

DDAVP in type IIa von Willebrand's disease. Gralnick HR, et al. **Blood** 1986 Feb;67(2):465–8

THERAPEUTIC USE

Inactivation of the AIDS–causing retrovirus and other human viruses in antihemophilic plasma protein preparations by pasteurization. Hilfenhaus J, et al. **Vox Sang** 1986;50(4):208–11

VON WILLEBRAND'S DISEASE

[Adenoidectomy and tonsillectomy in children with hemophilia and von Willebrand disease] Thach–Toan, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(6):449–56 (Eng. Abstr.) **(Fre)**

BLOOD

Multimeric pattern discrepancy between platelet and plasma von Willebrand factor in type IIC von Willebrand disease. Batlle J, et al. **Am J Hematol** 1986 May;22(1):87–8
Investigation of a case of subtype IIC von Willebrand disease: characterization of the variability of this subtype. Mazurier C, et al. **Am J Hematol** 1986 Jul;22(3):301–11
Platelet von Willebrand factor: an important determinant of the bleeding time in type I von Willebrand's disease. Gralnick HR, et al. **Blood** 1986 Jul;68(1):58–61
A new variant of type II von Willebrand disease with aberrant multimeric structure of plasma but not platelet von Willebrand factor (type IIF). Mannucci PM, et al. **Blood** 1986 Jul;68(1):269–74
Hemostatic plug formation in normal and von Willebrand pigs: the effect of the administration of cryoprecipitate and a monoclonal antibody to Willebrand factor. Sawada Y, et al. **Blood** 1986 May;67(5):1229–39
A new von Willebrand variant (type I, New York): increased ristocetin–induced platelet aggregation and plasma von Willebrand factor containing the full range of multimers. Weiss HJ, et al. **Blood** 1986 Jul;68(1):149–56
Von Willebrand's disease with spontaneous platelet aggregation induced by an abnormal plasma von Willebrand factor. Grainick HR, et al. **J Clin Invest** 1985 Oct;76(4):1522–9
Subunit composition of plasma von Willebrand factor. Cleavage is present in normal individuals, increased in IIA and IIB von Willebrand disease, but minimal in variants with aberrant structure of individual oligomers (types IIC, IID, and IIE). Zimmerman TS, et al. **J Clin Invest** 1986 Mar;77(3):947–51
Abnormality of glycoprotein Ib in two cases of "pseudo"–von Willebrand's disease. Bryckaert MC, et al. **J Lab Clin Med** 1985 Oct;106(4):393–400
Pregnancy in women with different types of von Willebrand disease. Conti M, et al. **Obstet Gynecol** 1986 Aug; 68(2):282–5
Platelet—von Willebrand factor interactions in type IIB von Willebrand's disease. Holmberg L, et al. **Scand J Haematol** 1985 Sep;35(3):305–14
Unique multimeric pattern of von Willebrand factor in a patient with a benign monoclonal gammopathy. López–Fernández MF, et al. **Scand J Haematol** 1986 Mar; 36(3):302–8
Cryoaggregation in von Willebrand's disease and other patient groups and the mechanism involved [letter] Pashley MA, et al. **Thromb Haemost** 1985 Jun 24;53(3):444
Further studies on aggregation of platelet–type von Willebrand's disease platelets by human von Willebrand factor. Takahashi H, et al. **Thromb Haemost** 1986 Jun 30; 55(3):338–41
An inhibitor to factor VIII:C in a patient with possible combined haemophilia A and von Willebrand's disease. Taylor LD, et al. **Thromb Haemost** 1986 Apr 30; 55(2):158–61
The multimeric structure of plasma F VIII:RAg studied by electroelution and immunoperoxidase detection. Bukh A, et al. **Thromb Res** 1986 Sep 1;43(5):579–84
[Willebrand's disease and multimeric analysis of the Willebrand factor] Hauert J, et al. **Schweiz Med Wochenschr** 1985 Dec 7;115(49):1773–5 (Eng. Abstr.) **(Fre)**
[von Willebrand syndrome] Scharrer I. **Behring Inst Mitt** 1986 Feb;(79):12–23 (Eng. Abstr.) **(Ger)**
[Multimeric composition of factor VIII–related protein following DDAVP infusion in normal subjects and patients with hemophilia A and von Willebrand's disease] Takase T, et al. **Nippon Ketsueki Gakkai Zasshi** 1985 Nov; 48(7):1571–8 (Eng. Abstr.) **(Jpn)**
[Study on the effects of various factors on platelet adhesion] Inagaki M. **Rinsho Byori** 1985 Jul;33(7):703–12 (29 ref.) **(Jpn)**

CLASSIFICATION

Von Willebrand disease. Holmberg L, et al. **Clin Haematol** 1985 Jun;14(2):461–88 (172 ref.)
[Spectrum of von Willebrand–Jürgens syndrome. A study on 53 patients] Hasler K, et al. **Dtsch Med Wochenschr** 1985 Oct 4;110(40):1531–4 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Successful laser photocoagulation in von Willebrand disease: report of a case with intractable duodenal bleeding [letter] Horellou MH, et al. **Am J Hematol** 1986 Mar;21(3):331–3
Associated von Willebrand disease as a possible cause of lack of thrombosis in an AT III abnormality (AT III Trento). Girolami A, et al. **Biut** 1986 Jan;52(1):29–33
[Combined abnormalities of plasminogen abnormality, von Willebrand disease, hypofibrinogenemia and increased erythrocyte membrane fragility. A new hereditary syndrome?] Shinmyozu K, et al. **Rinsho Ketsueki** 1986 May; 27(5):730–7 (Eng. Abstr.) **(Jpn)**
[Spontaneous hematomyelia due to von Willebrand's disease] Fukutake T, et al. **Rinsho Shinkeigaku** 1985 Jun; 25(6):705–10 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

A human myeloma–produced monoclonal protein directed against the active subpopulation of von Willebrand factor. Bovill EG, et al. **Am J Clin Pathol** 1986 Jan;85(1):115–23
Common bleeding problems. Moake JL, et al. **Clin Symp** 1983;35(3):1–32
Electroblot and immunoperoxidase staining for rapid screening of the abnormalities of the multimeric structure of von Willebrand factor in von Willebrand's disease. Lombardi R, et al. **Thromb Haemost** 1986 Apr 30; 55(2):246–9
[Von Willebrand's syndrome. New principles of diagnosis and classification] Ingerslev J, et al. **Ugeskr Laeger** 1985 Nov 4;147(45):3588–91 (Eng. Abstr.) **(Dan)**
[Intracerebral hematoma due to a mild form of Von Willebrand's disease (letter)] Delangre T, et al. **Presse Med** 1986 Jun 28;15(26):1240–1 **(Fre)**
[Diagnosis of hemophilia and von Willebrand–Jürgens syndrome. I. Organization of a dispensary for patients with hemorrhagic diatheses and a laboratory program] Lutze G, et al. **Z Gesamte Inn Med** 1985 Aug 1;40(15):441–5 (Eng. Abstr.) **(Ger)**
[von Willebrand's disease and pregnancy] Makatsariia AD. **Akush Ginekol (Mosk)** 1985 Aug;(8):70–4 **(Rus)**
[The patient with hemorrhage and prolonged bleeding time: classification and differential diagnosis] Marzouka E, et al. **Rev Chil Pediatr** 1985 May–Jun;56(3):167–71 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

DDAVP in acquired von Willebrand syndrome associated with multiple myeloma. Takahashi H, et al. **Am J Hematol** 1986 Aug;22(4):421–9
DDAVP in type IIa von Willebrand's disease. Gralnick HR, et al. **Blood** 1986 Feb;67(2):465–8
[Treatment of hemophilia A and von Willebrand's disease with 1–deamino–8–D–arginine vasopressin (DDAVP). Hemophilia and DDAVP] Ingerslev J, et al. **Ugeskr Laeger** 1985 Nov 4;147(45):3592–4 (Eng. Abstr.) **(Dan)**

ETIOLOGY

Acquired type I von Willebrand's disease in a patient with essential thrombocytosis. Casonato A, et al. **Acta Haematol (Basel)** 1986;75(3):188–9
Acquired von Willebrand syndrome due to an inhibitor specific for von Willebrand factor antigens. Lazarchick J, et al. **Am J Hematol** 1986 Mar;21(3):305–14

Acquired von Willebrand disease and storage pool disease in chronic myelocytic leukemia. Mohri H.
Am J Hematol 1986 Aug;22(4):391–401
[Acquired von Willebrand's disease in chronic lymphatic leukemia] Cold S. **Ugeskr Laeger** 1986 Apr 28; 148(18):1093–4 (Eng. Abstr.) **(Dan)**

FAMILIAL & GENETIC

von Willebrand disease type IIC with different abnormalities of von Willebrand factor in the same sibship. Batlle J, et al. **Am J Hematol** 1986 Feb;21(2):177–88
Concurrence of von Willebrand's disease and hemophilia A: implications for carrier detection and prevalence. Miller CH, et al. **Am J Med Genet** 1986 May;24(1):83–94
High-resolution analysis of von Willebrand factor multimeric composition defines a new variant of type I von Willebrand disease with aberrant structure but presence of all size multimers (type IC). Ciavarella G, et al. **Blood** 1985 Dec; 66(6):1423–9
Heterogeneity of type I von Willebrand disease: evidence for a subgroup with an abnormal von Willebrand factor. Mannucci PM, et al. **Blood** 1985 Oct;66(4):796–802
[Diagnosis of hemophilia and von Willebrand-Jürgens syndrome. 3. Results of studies on patients with vWJS, heterozygotes of vWJS and patients with Glanzmann-Naegeli thrombasthenia] Lutze G, et al. **Z Gesamte Inn Med** 1985 Sep 15;40(18):532–9 (Eng. Abstr.) **(Ger)**
[Clinico-genetic aspects of Willebrand's disease] Pliushch OP, et al. **Gematol Transfuziol** 1986 Feb;31(2):35–9 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

A study of cell mediated and humoral immunity in haemophilia and related disorders. Moffat EH, et al. **Br J Haematol** 1985 Sep;61(1):157–67
Determinants of von Willebrand factor activity elicited by ristocetin and botrocetin: studies on a human von Willebrand factor–binding antibody. Brinkhous KM, et al. **Semin Thromb Hemost** 1985 Oct;11(4):337–41
One year follow-up study of T-cell subsets and incidence of seropositivity for HTLV-I and HTLV-III antibodies in patients treated "on demand" or sporadically with clotting concentrates. Rodeghiero F, et al. **Thromb Haemost** 1985 Oct 30;54(3):665–8

METABOLISM

Endothelial stimulation by DDAVP in von Willebrand's disease and haemophilia. Greer IA, et al. **Haemostasis** 1986; 16(1):15–9

OCCURRENCE

A relatively high frequency of severe (type III) von Willebrand's disease in Israel. Berliner SA, et al. **Br J Haematol** 1986 Mar;62(3):535–43

PATHOLOGY

von Willebrand's disease prevents occlusive thrombosis in stenosed and injured porcine coronary arteries. Nichols TC, et al. **Circ Res** 1986 Jul;59(1):15–26

PHYSIOPATHOLOGY

von Willebrand's disease characterized by increased ristocetin sensitivity and the presence of all von Willebrand factor multimers in plasma. Holmberg L, et al. **Blood** 1986 Sep; 68(3):668–72

THERAPY

von Willebrand's disease and pregnancy: management during delivery and outcome of offspring. Chediak JR, et al. **Am J Obstet Gynecol** 1986 Sep;155(3):618–24
Transplantation of normal bone marrow into a pig with severe von Willebrand's disease. Bowie EJ, et al. **J Clin Invest** 1986 Jul;78(1):26–30
Purified human factor VIII procoagulant protein: comparative hemostatic response after infusions into hemophilic and von Willebrand disease dogs. Brinkhous KM, et al. **Proc Natl Acad Sci USA** 1985 Dec;82(24):8752–6
West Virginia State Hemophilia Program. Jubelirer SJ, et al. **W Va Med J** 1985 Dec;81(12):259–61
[Hemostatic effect of deamino-8-D-arginine vasopressin (DDAVP) in hemophilia A and von Willebrand's disease] Fukui H, et al. **Rinsho Ketsueki** 1985 Jul;26(7):1069–79 (Eng. Abstr.) **(Jpn)**

VETERINARY

Absence of tubular structures and immunolabeling for von Willebrand factor in the platelet alpha-granules from porcine von Willebrand disease. Cramer EM, et al. **Blood** 1986 Sep;68(3):774–8
Factor XII deficiency and von Willebrand's disease in a family of miniature poodle dogs. Randolph JF, et al. **Cornell Vet** 1986 Jan;76(1):3–10
Inheritance of a new bleeding disease in a herd of swine with Willebrand's disease. Thiele GL, et al. **J Hered** 1986 May-Jun;77(3):179–82

VOYEURISM see under **PARAPHILIAS**

VULVA

Vulvar pain and dyspareunia due to glomus tumor. Kohorn EI, et al. **Obstet Gynecol** 1986 Mar;67(3 Suppl):41S–42S

ABNORMALITIES

A pregnant heifer with a congenital incompletely developed vulva. Oettlé EE, et al. **J S Afr Vet Assoc** 1985 Sep; 56(3):137–8

ANATOMY & HISTOLOGY

[Morphologic changes in the aged vulva] Lotocki W. **Rocz Akad Med Bialymstoku [Suppl]** 1971;28:1–70 (Eng. Abstr.) **(Pol)**

CYTOLOGY

Cytologic and histologic observations on the sex hormone dependence of the vulva. Nauth HF, et al. **J Reprod Med** 1985 Sep;30(9):667–74
[The cytology of the vagina, vestibule and labia minora during pregnancy] Wang JH, et al. **Sou Chuan I Hsueh Yuan Hsueh Pao** 1985 Dec;16(4):351–4 (Eng. Abstr.) **(Chi)**

INNERVATION

[Anatomical basis of pudendal nerve block in obstetrics] Olazewski J, et al. **Ginekol Pol** 1986 Feb;57(2):133–7 (Eng. Abstr.) **(Pol)**
[Neurohistological changes in condylomata acuminata of the vulva] Podsiadly A, et al. **Rocz Akad Med Bialymstoku** 1983;28:109–16 (Eng. Abstr.) **(Pol)**

MICROBIOLOGY

Reduced colonization of newborns with group B streptococci following washing of the birth canal with chlorhexidine. Christensen KK, et al. **J Perinat Med** 1985;13(5):239–43

PATHOLOGY

Crohn's disease of the vulva—two further cases. Lavery HA, et al. **Br J Dermatol** 1985 Sep;113(3):359–63
White sponge nevus of the vulva. Büchholz F, et al. **Int J Gynaecol Obstet** 1985 Dec;23(6):505–7
Sebaceous gland hyperplasia of the vulva: a case report. Rocamora A, et al. **Obstet Gynecol** 1986 Sep;68(3 Suppl):63S–65S
Hidradenitis suppurativa: a case presentation and review of the literature. Thomas R, et al. **Obstet Gynecol** 1985 Oct; 66(4):592–5
[A new look at the therapy of dystrophic changes in the vulva] Gazárek F, et al. **Cesk Gynekol** 1986 May; 51(4):266–7 **(Cze)**
[Pathological and clinical observations on precancerous lesions of the vulva] Yamabe T. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Aug; 38(8):1186–95 (Eng. Abstr.) **(Jpn)**

SURGERY

Sexual function and somatopsychic reactions in vulvectomy-operated women and their partners. Andreasson B, et al. **Acta Obstet Gynecol Scand** 1986; 65(1):7–10
Microsurgical repair of pediatric vulvar trauma. A case report. Adducci JE, et al. **J Reprod Med** 1985 Oct; 30(10):792–4
[Microlymphaticovenous anastomosis in treating lymphedema of the vulva] Hu GK. **Chung Hua Fu Chan Ko Tsa Chih** 1985 Nov;20(6):359–60, 384 (Eng. Abstr.) **(Chi)**

VULVAR DISEASES

Vulvar dystrophies. Soper JT, et al. **Clin Obstet Gynecol** 1986 Jun;29(2):431–9
Vulvar dystrophies in geriatric patients. Wingate MB. **Compr Ther** 1986 Mar;12(3):39–42
Vulvar disorders in the prepubertal female. Williams TS, et al. **Pediatr Ann** 1986 Aug;15(8):588–9, 592–601, 604–5 (63 ref.)
Granuloma inguinale (donovanosis) of the oral cavity. A case report. Coovadia YM, et al. **S Afr Med J** 1985 Nov 23; 68(11):815–7

COMPLICATIONS

Basal cell carcinoma of the vulva in association with vulval lichen sclerosus et atrophicus. Thomas RH, et al. **J R Soc Med** 1985;78 Suppl 11:16–8
Labial adhesions secondary to postpartum vulvar edema. A report of two cases. Davenport DM, et al. **J Reprod Med** 1986 Jun;31(6):523–4

CONGENITAL

Congenital anovulvar fistula in a 30-year-old woman. Pescatori M, et al. **Br J Surg** 1986 Feb;73(2):161

DIAGNOSIS

Sarcoidosis of the vulva. Tatnall FM, et al. **Clin Exp Dermatol** 1985 Jul;10(4):384–5
The vulvar examination of the premenarchal child. Singleton AF. **J Natl Med Assoc** 1986 Mar;78(3):203–14
[Extraoral manifestation of a white sponge nevus of the mucosa] Buchholz F, et al. **Geburtshilfe Frauenheilkd** 1985 Aug;45(8):570–1 (Eng. Abstr.) **(Ger)**
[Lichen sclerosus et atrophicus of the vulva—case report] Gwóźdź AZ, et al. **Ginekol Pol** 1986 Jan;57(1):46–50 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Topical treatment of vulvar dystrophies with progesterone. Onnis A, et al. **Clin Exp Obstet Gynecol** 1986;13(1–2):15–7
[Oral treatment of vulvar dystrophy with an aromatic retinoid, etretinate] Romppanen U, et al. **Geburtshilfe Frauenheilkd** 1986 Apr;46(4):242–7 (Eng. Abstr.) **(Ger)**
[Adhesions of the labia minora in children. Response to local treatment with estrogens] Marchino GL, et al. **Minerva Pediatr** 1986 Jun 30;38(11–12):441–5 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Metastatic vulvar ulceration in Crohn's disease. Reyman L, et al. **Am J Gastroenterol** 1986 Jan;81(1):46–9
Phycomycosis of the vulva. Scott RA, et al. **Am J Obstet Gynecol** 1985 Nov 15;153(6):675–6
Wiping routine: no problem in natural method [letter] Woerner M. **Am J Obstet Gynecol** 1986 Jul;155(1):227–8
Labial adhesions in postmenopausal women with hip joint disease. Savona-Ventura C. **Aust NZ J Obstet Gynaecol** 1985 Nov;25(4):303–4
Unilateral vulvar edema after intraperitoneal Hyskon administration. Sauer M, et al. **Fertil Steril** 1985 Oct; 44(4):546–7
Clostridial myonecrosis arising from an episiotomy. Soper DE. **Obstet Gynecol** 1986 Sep;68(3 Suppl):26S–28S
Histiocytosis-X in gynecology: a case presentation and review of the literature. Thomas R, et al. **Obstet Gynecol** 1986 Mar;67(3 Suppl):46S–49S
[Vulvar localization of Crohn's disease (letter)] Fievez M, et al. **Presse Med** 1986 May 3;15(18):842–3 **(Fre)**

FAMILIAL & GENETIC

The development of lichen sclerosus et atrophicus in monozygotic twin girls. Meyrick Thomas RH, et al. **Br J Dermatol** 1986 Mar;114(3):377–9

PATHOLOGY

Dermatomyositis of the vulva—first reported case. Lavery HA, et al. **Br J Dermatol** 1985 Sep;113(3):349–52
[Clinicopathological analysis of 200 cases of vulvar white lesion] Yang XH. **Chung-hua Ping Li Hsueh Tsa Chih** 1985 Dec;14(4):302–4 **(Chi)**
[Vulvar dystrophies. Clinical and anatomopathological aspects] Baruffi I, et al. **Rev Paul Med** 1985 Mar-Apr; 103(2):54–66 (Eng. Abstr.) **(Por)**

SURGERY

Labial adhesions in a postpartum patient. Shaver D, et al. **Obstet Gynecol** 1986 Sep;68(3 Suppl):24S–25S
[Microlymphaticovenous anastomosis in treating lymphedema of the vulva] Hu GK. **Chung Hua Fu Chan Ko Tsa Chih** 1985 Nov;20(6):359–60, 384 (Eng. Abstr.) **(Chi)**

VULVAR NEOPLASMS

Paget's disease and metastatic carcinoma. A case report. Roberts JA. **J Bone Joint Surg [Br]** 1986 Jan;68(1):22–3
Bartholin gland carcinoma. Copeland LJ, et al. **Obstet Gynecol** 1986 Jun;67(6):794–801
[7 cases of extramammary Paget's disease] Wang JB. **Chung Hua I Hsueh Tsa Chih** 1985 Jun;65(6):355–7 **(Chi)**

ANALYSIS

[Immunohistochemical localization of S-100 protein in granular cell myoblastoma] Planas Girón G, et al. **Med Cutan Ibero Lat Am** 1986;14(2):101–8 (Eng. Abstr.) **(Spa)**

BLOOD

Serum vitamin A and E levels in patients with lichen sclerosus and carcinoma of the vulva—effect of oral etretinate treatment. Romppanen U, et al. **Ann Chir Gynaecol [Suppl]** 1985;197:27–9

COMPLICATIONS

Relationship of vulvar lichen sclerosus et atrophicus to carcinoma. Punnonen R, et al. **Ann Chir Gynaecol [Suppl]** 1985;197:23–5
Basal cell carcinoma of the vulva in association with vulval lichen sclerosus et atrophicus. Thomas RH, et al. **J R Soc Med** 1985;78 Suppl 11:16–8
Vulvar pain and dyspareunia due to glomus tumor. Kohorn EI, et al. **Obstet Gynecol** 1986 Mar;67(3 Suppl):41S–42S
Verrucous carcinoma of the vulva associated with an unusual type 6 human papillomavirus. Rando RF, et al. **Obstet Gynecol** 1986 Mar;67(3 Suppl):70S–75S

DIAGNOSIS

[Condylomata acuminata. Recent aspects of clinical signs, pathogenesis and therapy] Albrecht G. **Z Hautkr** 1986 Apr 1;61(7):457–62 (Eng. Abstr.) **(Ger)**

[Clinical considerations on hemangioma of the vulva in childhood] Bellone F, et al. **Minerva Ginecol** 1985 Dec; 37(12):747–50 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Complete regression of pulmonary metastases from malignant melanoma of the vulva following therapy with tamoxifen. Amin R. **Br J Radiol** 1986 Feb;59(698):171–3

Predictive testing of vulvar and cervical cancers to chemotherapy by the subrenal capsule assay. **Mäenpää J**, et al. **Eur J Cancer Clin Oncol** 1985 Oct;21(10):1141–6

Phase II trials of cisplatin and piperazinedione in advanced or recurrent squamous cell carcinoma of the vulva: a Gynecologic Oncology Group Study. Thigpen JT, et al. **Gynecol Oncol** 1986 Mar;23(3):358–63

[Combination chemotherapy with peplomycin, cis-platinum and mitomycin C in gynecologic cancer] Yasui Y, et al. **Gan No Rinsho** 1985 Sep;31(11):1415–21 (Eng. Abstr.) **(Jpn)**

[Topical idoxuridine for vulvar condyloma acuminatum] Hasumi K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Feb;38(2):277–9 **(Jpn)**

ETIOLOGY

Vulvar lymphangioma circumscriptum: a rare complication of therapy for squamous cell carcinoma of the cervix. LaPolla J, et al. **Gynecol Oncol** 1985 Nov;22(3):363–6

Pruritic vulvar squamous papillomatosis: evidence for human papillomavirus etiology. Growdon WA, et al. **Obstet Gynecol** 1985 Oct;66(4):564–8

IMMUNOLOGY

Expression of epidermal growth factor receptors on human cervical, ovarian, and vulval carcinomas. Gullick WJ, et al. **Cancer Res** 1986 Jan;46(1):285–92

MICROBIOLOGY

Persistence and expression of human papillomavirus DNA in genital cancer. Gissmann L, et al. **Ciba Found Symp** 1986; 120:190–207 (29 ref.)

Human papillomavirus type 16 DNA in genital tumours: a pathological and molecular analysis. Di Luca D, et al. **J Gen Virol** 1986 Mar;67 (Pt 3):583–9

Isolation and characterization of a novel human papillomavirus type 6 DNA from an invasive vulvar carcinoma. Rando RF, et al. **J Virol** 1986 Jan;57(1):353–6

MORTALITY

Value of prognostic parameters in squamous cell carcinoma of the vulva. Andreasson B, et al. **Gynecol Oncol** 1985 Nov; 22(3):341–51

OCCURRENCE

Granular cell myoblastoma of the vulva in a 6-year-old girl. Erooks GG. **Am J Obstet Gynecol** 1985 Dec 15; 153(8):897–8

[Incidence of cancer of the female external genitalia from the data of oncology facilities of the Kazakh SSR] Abdrakhimov BE, et al. **Vopr Onkol** 1986;32(7):16–20 **(Rus)**

PATHOLOGY

Vulvar hemangiopericytoma. A case report and review of previous cases. Zakut H, et al. **Acta Obstet Gynecol Scand** 1985;64(7):619–21

Locally aggressive granular cell tumor causing priapism of the crus of the clitoris. A light and ultrastructural study, with observations concerning the pathogenesis of fibrosis of the corpus cavernosum in priapism. Slavin RE, et al. **Am J Surg Pathol** 1986 Jul;10(7):497–507

Vulvar fibrous histiocytoma of low grade malignancy. Case report. Malfetano JH, et al. **Br J Obstet Gynaecol** 1986 Jun;93(6):642–5

Invasive and intraepithelial neoplasia of the vulva. Prognostic aspects. Andreasson B. **Dan Med Bull** 1986 Aug; 33(4):184–96

Vulvar localisation of epidermolytic acanthoma. A light- and electron-microscopic study. De Coninck A, et al. **Dermatologica** 1986;172(5):276–8

Granular cell myoblastoma of the vulva. Altaras M, et al. **Gynecol Oncol** 1985 Nov;22(3):352–5

Neuroendocrine (Merkel cell) carcinoma of the vulva: a case report and review of the literature. Copeland LJ, et al. **Gynecol Oncol** 1985 Nov;22(3):367–78

Density distributions of human squamous carcinoma cells: influence of growth conditions, proliferative status and DNA content. Ng CE, et al. **Int J Cancer** 1986 Sep 15; 38(3):413–8

White sponge nevus of the vulva. Büchholz F, et al. **Int J Gynaecol Obstet** 1985 Dec;23(6):505–7

Prognostic features of vulvar melanoma: a clinicopathologic analysis. Johnson TL, et al. **Int J Gynecol Pathol** 1986; 5(2):110–8

Bowenoid papulosis of the male and female genitalia: risk of cervical neoplasia. Obalek S, et al. **J Am Acad Dermatol** 1986 Mar;14(3):433–44

Vulvovaginal melanoma. A clinicopathologic study. Beller U, et al. **J Reprod Med** 1986 May;31(5):315–9

Adenoid cystic carcinoma of Bartholin's gland: review of the literature and report of two cases. Abrao FS, et al. **J Surg Oncol** 1985 Oct;30(2):132–7

Univariate and multivariate analyses of 5-year survival, recurrence, and inguinal node metastases in stage I and II vulvar carcinoma. Malfetano JH, et al. **J Surg Oncol** 1985 Oct;30(2):124–31

Glomus tumor of the clitoris [letter] Jagadha V, et al. **NY State J Med** 1985 Oct;85(10):611

Adenomas in minor vestibular glands. Axe S, et al. **Obstet Gynecol** 1986 Jul;68(1):16–8

Adenoid cystic carcinoma of Bartholin gland. Copeland LJ, et al. **Obstet Gynecol** 1986 Jan;67(1):115–20

Aggressive angiomyxoma of the vulva. Hilgers RD, et al. **Obstet Gynecol** 1986 Sep;68(3 Supp):60S–62S

Glomus tumor of the vulva: a case report. Katz VL, et al. **Obstet Gynecol** 1986 Mar;67(3 Suppl):43S–45S

The pathology of vulvar squamous cell carcinoma and verrucous carcinoma. Dvoretsky PM, et al. **Pathol Annu** 1986;21 Pt 2:23–45

[Adenocarcinoma of the vulva] Jirásek JE, et al. **Cesk Gynekol** 1986 Jul;51(6):434–5 **(Cze)**

[Virological and anatomo-clinical findings in 20 cases of Bowen's disease of the vulva] Pelisse M, et al. **Ann Dermatol Venereol** 1985;112(9):749–50 **(Fre)**

[Exclusive genital white sponge nevus] Sayag J, et al. **Ann Dermatol Venereol** 1985;112(9):759–60 **(Fre)**

[Tumor pathology of the vulva] **J Gynecol Obstet Biol Reprod (Paris)** 1985;14 Suppl:25–9 **(Fre)**

[Basalioma of the vulva] Kessler H. **Geburtshilfe Frauenheilkd** 1986 Mar;46(3):194 **(Ger)**

[Clinical significance of human papilloma virus (HPV) infections of the lower genital tract] Schneider A, et al. **Geburtshilfe Frauenheilkd** 1986 May;46(5):261–6 (Eng. Abstr.) **(Ger)**

[Adenoid cystic carcinoma of the Bartholin's gland. Presentation of a case and review of the literature] Eleuteri Serpieri D, et al. **Minerva Ginecol** 1986 Jan–Feb; 38(1–2):49–56 (Eng. Abstr.) **(Ita)**

[Malignant melanoma of the vulva. Considerations on 4 cases] Scrimin F, et al. **Minerva Ginecol** 1986 Jan–Feb; 38(1–2):43–8 (Eng. Abstr.) **(Ita)**

[Pathological and clinical observations on precancerous lesions of the vulva] Yamabe T. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Aug; 38(8):1186–95 (Eng. Abstr.) **(Jpn)**

[Neurohistological changes in condylomata acuminata of the vulva] Podsiadly A, et al. **Rocz Akad Med Bialymstoku** 1983;28:109–16 (Eng. Abstr.) **(Pol)**

[Bowenoid papulosis. Apropos of 2 cases] Yebra Sotillo I, et al. **Med Cutan Ibero Lat Am** 1985;13(2):151–5 (Eng. Abstr.) **(Spa)**

[Paget's disease of the vulva (clinical case)] Briones H, et al. **Rev Chil Obstet Ginecol** 1984;49(6):410–6 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Carcinoma in situ of the vulva: a review of 31 treated and five untreated cases. Jones RW, et al. **Obstet Gynecol** 1986 Oct;68(4):499–503

RADIOGRAPHY

The role of lymphangiography in vulvar carcinoma. Weiner SA, et al. **Am J Obstet Gynecol** 1986 May;154(5):1073–5

RADIOTHERAPY

Fractured ureteral catheters in gynecologic oncology. Welch RA, et al. **Gynecol Oncol** 1985 Nov;22(3):356–62

[The role of radiotherapy in the treatment of vulvar cancer] Gerbaulet A. **J Gynecol Obstet Biol Reprod (Paris)** 1985; 14 Suppl:31–5 **(Fre)**

[Treatment results of radiotherapy of vulvar cancer] Redmann M, et al. **Radiobiol Radiother (Berl)** 1986; 27(2):189–95 (Eng. Abstr.) **(Ger)**

[Effect of laser therapy on the vulvar tissue of patients with kraurosis and leukoplakia] Khusainova IS, et al. **Akush Ginekol (Mosk)** 1986 Jan;(1):72–4 **(Rus)**

SECONDARY

Late recurrence of granulosa cell tumour. Pal SK, et al. **Asia Oceania J Obstet Gynaecol** 1986 Mar;12(1):21–3

SECRETION

Eccrine adenocarcinoma of the vulva producing isolated alpha-subunit of glycoprotein hormones. Fukuma K, et al. **Obstet Gynecol** 1986 Feb;67(2):293–6

SURGERY

Sexual function and somatopsychic reactions in vulvectomy-operated women and their partners. Andreasson B, et al. **Acta Obstet Gynecol Scand** 1986; 65(1):7–10

Recurrent carcinoma in situ of the vulva in a skin graft. Cox SM, et al. **Am J Obstet Gynecol** 1986 Jul;155(1):177–9

Extramammary Paget's disease of the vulva and anus: use of intraoperative frozen-section margins. Stacy D, et al. **Am J Obstet Gynecol** 1986 Sep;155(3):519–23

Vulvar carcinoma in pregnancy [editorial] Monaghan JM, et al. **Br J Obstet Gynaecol** 1986 Aug;93(8):785–6

Stage III and IV squamous cell carcinoma of the vulva. Malfetano J, et al. **Gynecol Oncol** 1986 Feb;23(2):192–8

Prognostic variables in the treatment of squamous cell carcinoma of the vulva. Shimm DS, et al. **Gynecol Oncol** 1986 Jul;24(3):343–58

Vulvar intraepithelial neoplasia: a report of two cases. Wendelken H, et al. **J Am Osteopath Assoc** 1986 Jul; 86(7):429–32

Management of vulvar condylomata acuminata with argon laser. Rotteleur G, et al. **Lasers Surg Med** 1986;6(2):119–22

The use of laser in microsurgical oncology. Bandieramonte G, et al. **Microsurgery** 1985;7(2):95–101

Partial and total skinning vulvectomy in treatment of carcinoma in situ of the vulva. Caglar H, et al. **Obstet Gynecol** 1986 Oct;68(4):504–7

Argon laser therapy of vulvar angiokeratoma. Dotters DJ, et al. **Obstet Gynecol** 1986 Sep;68(3 Suppl):56S–59S

Changing trends in the surgical treatment of invasive carcinoma of the vulva. Cavanagh D, et al. **Surg Gynecol Obstet** 1986 Feb;162(2):164–8

[Treatment of precancerous conditions of the external genitalia] Dvořák O, et al. **Cesk Gynekol** 1986 May; 51(4):268–71 **(Cze)**

[CO2 laser in surgical treatment of vulvar and vaginal cancer] Simonsen EF, et al. **Ugeskr Laeger** 1985 Nov 25; 147(48):3889–92 (Eng. Abstr.) **(Dan)**

[Buschke–Löwenstein tumor. 3 vulvar localizations. Association with HPV-6 in one case] Mathieu A, et al. **Ann Dermatol Venereol** 1985;112(9):745–6 **(Fre)**

[Precancerous lesions of the vulva] Roy M, et al. **Union Med Can** 1985 Sep;114(9):748–50 (Eng. Abstr.) **(Fre)**

[Plastic covering of larger wound defects in vulvar cancer] Knapstein PG. **Arch Gynecol** 1985;238(1–4):417–30 **(Ger)**

[Therapy and results of the treatment of vulvar cancer. A review of 234 cases 1951–1976] Heidenreich W, et al. **Geburtshilfe Frauenheilkd** 1986 Mar;46(3):136–9 (Eng. Abstr.) **(Ger)**

[Operative treatment of vulvar cancer] Miecznikowski A, et al. **Geburtshilfe Frauenheilkd** 1985 Sep;45(9):620–4 (Eng. Abstr.) **(Ger)**

[Vulvar cancer] Sevin BU, et al. **Gynakologe** 1986 Jun; 19(2):109–15 **(Ger)**

[Expanded possibilities of the treatment of vulvar cancer by plastic reconstructive procedures] Knapstein PG, et al. **Zentralbl Gynakol** 1985;107(24):1479–87 (Eng. Abstr.) **(Ger)**

[Potentialities and limits of cryosurgery of vulvar cancer—12 years' results of therapy] Sommer J, et al. **Zentralbl Gynakol** 1986;108(11):649–58 (Eng. Abstr.) **(Ger)**

[Initial experiences with the myocutaneous swing flap-plasty as an expanded possibility for treatment of vulvar cancer] Wilken H, et al. **Zentralbl Gynakol** 1985;107(24):1488–91 (Eng. Abstr.) **(Ger)**

[Use of the CO2 laser in preneoplastic and neoplastic lesions of the vulva] Bandieramonte G, et al. **Ann Ostet Ginecol Med Perinat** 1985 Jul–Aug; 106(4):186–99 (Eng. Abstr.) **(Ita)**

[Melanoma of the vulva. Clinico-therapeutic considerations and description of a case] Gaudiano L, et al. **Minerva Ginecol** 1985 Dec;37(12):751–6 (Eng. Abstr.) **(Ita)**

[Significance of recurrence of carcinoma of the vulva on prognosis] Scrimin F, et al. **Minerva Ginecol** 1986 Apr; 38(4):233–8 (Eng. Abstr.) **(Ita)**

[Cancer of Bartholin's glands] Rekkedal OK. **Tidsskr Nor Laegeforen** 1986 Jan 20;106(2):136 (Eng. Abstr.) **(Nor)**

THERAPY

The use of concomitant chemotherapy and radiotherapy prior to surgery in advanced stage carcinoma of the vulva. Levin W, et al. **Gynecol Oncol** 1986 Sep;25(1):20–5

[Cryotherapy of vulvar precancerous conditions—results of 12 years' treatment] Sommer J, et al. **Arch Geschwulstforsch** 1985;55(5):341–9 (Eng. Abstr.) **(Ger)**

[Neoplasms of the vulva] Leidi L, et al. **Minerva Ginecol** 1985 Dec;37(12):739–46 (Eng. Abstr.) **(Ita)**

[Adjuvant chemotherapy of malignant melanoma of the female genital organs] Inoue S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Jan;38(1):135–8 **(Jpn)**

TRANSMISSION

Massive vulval condylomata acuminata in a 10-months-old child with suspected sexual abuse. Case report. Sadan O, et al. **Br J Obstet Gynaecol** 1985 Nov;92(11):1201–3

ULTRASTRUCTURE

[Multiple trichoepitheliomas with genital and paragenital localization. Ultrastructural study] de Trujillo MH, et al. **Med Cutan Ibero Lat Am** 1985;13(6):531–8 (Eng. Abstr.) **(Por)**

VETERINARY

Cryosurgery of bovine squamous cell carcinoma of the vulva. Omara-Opyene AL, et al. **Vet Rec** 1985 Nov 16; 117(20):518-20

VULVITIS

CHEMICALLY INDUCED

Self-adhesive pads [letter] Foussereau J, et al. **Contact Dermatitis** 1986 Apr;14(4):263
Vulvar dermatitis and fissures—irritant dermatitis from methyl benzethonium chloride. Maibach HI, et al. **Contact Dermatitis** 1985 Nov;13(5):340
Contact urticaria and dermatitis from self-adhesive pads. Sterry W, et al. **Contact Dermatitis** 1985 Oct;13(4):284-5

DIAGNOSIS

Focal vulvitis: a characteristic syndrome and cause of dyspareunia. Features, natural history, and management. Peckham BM, et al. **Am J Obstet Gynecol** 1986 Apr; 154(4):855-64

PATHOLOGY

Crohn's disease of the vulva—two further cases. Lavery HA, et al. **Br J Dermatol** 1985 Sep;113(3):359-63

VULVOVAGINITIS

DIAGNOSIS

Adolescent girls with vaginal discharge. Sanfilippo JS. **Pediatr Ann** 1986 Jul;15(7):509-12, 516-9
[Vulvovaginitis in young girls] Berlier P. **Rev Fr Gynecol Obstet** 1986 May;81(5):283-5 (Eng. Abstr.) (Fre)

DRUG THERAPY

Benzydamine for the topical treatment of vulvovaginitis in children and adolescents. Cisternino M, et al. **Int J Tissue React** 1985;7(3):241-7
[Clinical experience in the use of 0.5% and 1% benzydamine cream in vaginal inflammation] Mega M, et al. **Minerva Ginecol** 1986 Jul-Aug;38(7-8):625-30 (Eng. Abstr.) (Ita)

ETIOLOGY

Vulvovaginitis in the preadolescent girl. Arsenault PS, et al. **Pediatr Ann** 1986 Aug;15(8):577-9, 583-5
[Vulvovaginitis. Etiopathogenesis and microbiological diagnosis] Fiorucci GC, et al. **Minerva Ginecol** 1986 Jan-Feb;38(1-2):31-41 (Eng. Abstr.) (Ita)
[Herpes genitalis in women] Mikrut W. **Wiad Lek** 1985 Sep 15;38(18):1305-6 (Eng. Abstr.) (Pol)
[Clinical, diagnostic and management aspects in vulvovaginitis and pelvic inflammatory disease] Peixoto S, et al. **AMB** 1985 Sep-Oct;31(9-10):165-72 (Eng. Abstr.) (Por)
[Chlamydia infection as the cause of inflammatory diseases of the urogenital organs] Mavrov II. **Urol Nefrol (Mosk)** 1985 Sep-Oct;(5):11-3 (Eng. Abstr.) (Rus)

MICROBIOLOGY

[Detection of Gardnerella vaginalis in the pathogen spectrum of sexually transmissible diseases in vulvovaginitis] Elsner P, et al. **Z Hautkr** 1985 Nov 1;60(21):1655-62 (Eng. Abstr.) (Ger)

VETERINARY

Vulvovaginitis of goats due to a herpesvirus. Grewal AS, et al. **Aust Vet J** 1986 Mar;63(3):79-82

VZ VIRUS see **VARICELLA-ZOSTER VIRUS**

WAARDENBURG'S SYNDROME see under **ABNORMALITIES, MULTIPLE**

WAGES see **SALARIES AND FRINGE BENEFITS**

WAITING LISTS see under **APPOINTMENTS AND SCHEDULES**

WAKEFULNESS

Developmental changes of oculomotor characteristics in infants when awake and in the 'active state of sleep'. Lynch JA, et al. **Behav Brain Res** 1986 May;20(2):175-83
Sleeping-waking rhythm and frequency of seizures in epilepsy without psychoses and with chronic psychoses. Boldyrev AI, et al. **Neurosci Behav Physiol** 1985 Nov-Dec; 15(6):451-5
Polygraphic analysis of the sleep-wake states and the REM sleep periodicity in domesticated pigs (Sus scrofa). Robert S, et al. **Physiol Behav** 1986;37(2):289-93
A dose-response study of sleep loss and spontaneous sleep termination. Akerstedt T, et al. **Psychophysiology** 1986 May;23(3):293-7
Proportional jerk: a new measure of motion as applied to eye movements in sleep and waking. Aserinsky E. **Psychophysiology** 1986 May;23(3):340-7
Performance and sleepiness as a function of frequency and placement of sleep disruption. Bonnet MH. **Psychophysiology** 1986 May;23(3):263-71
The activating effect of sleep EEGs in epileptic patients with epileptic activity in their waking EEGs. Degen R, et al. **Schweiz Arch Neurol Psychiatr** 1986;137(2):5-13
Developmental course of nighttime sleep-wake patterns in full-term and premature infants during the first year of life. I. Anders TF, et al. **Sleep** 1985;8(3):173-92
Sleep-wake state organization, neonatal assessment and development in premature infants during the first year of life. II. Anders TF, et al. **Sleep** 1985;8(3):193-206
[Reactivity to somatic stimuli of callosal single fibers in the awake cat] Franchi G, et al. **Boll Soc Ital Biol Sper** 1985 Apr 30;61(4):563-9 (Eng. Abstr.) (Ita)

DRUG EFFECTS

Effect of glutamine on sleep-wakefulness cycle and aggressive behaviour in the cat. Kukorelli T, et al. **Acta Physiol Hung** 1986;67(1):31-5
Differences in the sleep-wake patterns of the AA and ANA rat lines developed for high and low alcohol intake. Aalto J, et al. **Alcohol** 1986 Jan-Feb;3(1):77-9
Wakefulness during cesarean section after anesthetic induction with ketamine, thiopental, or ketamine and thiopental combined. Schultetus RR, et al. **Anesth Analg** 1986 Jul;65(7):723-8
Effects of brotizolam on the sleep-waking cycle of the cat. Kuhn FJ. **Arzneimittelforschung** 1986 Mar;36(3A):522-7
Atropine potentiates the pressor response to arginine-vasopressin in conscious dogs. Liard JF. **J Hypertension [Suppl]** 1984 Dec;2(3):S69-71
Calcium antagonists: systemic and regional haemodynamic effects in conscious spontaneously hypertensive rats (SHR). Struyker-Boudier HA, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S527-9
Sympathetic activation following central vasopressin receptor stimulation in conscious rats. Unger T, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S25-7
Effects of H1- and H2-histamine receptor agonists and antagonists on sleep and wakefulness in the rat. Monti JM, et al. **J Neural Transm** 1986;66(1):1-11
Effects of melatonin and 5-methoxytryptamine on sleep-wake patterns in the male rat. Mirmiran M, et al. **J Pineal Res** 1986;3(2):135-41
Effect of timiperone, a new antipsychotic drug, on the sleep-wakefulness cycle in cats. Tanaka M, et al. **Jpn J Pharmacol** 1985 Nov;39(3):391-4
Effect of alpha-adrenoceptor blockade on sleep and wakefulness in the rat. Mäkelä JP, et al. **Pharmacol Biochem Behav** 1986 Mar;24(3):613-6
[EEG studies in rats to determine the threshold levels of chlorpromazine with respect to the state of vigilance] Bergschicker R, et al. **Biomed Biochim Acta** 1986; 45(3):401-12 (Eng. Abstr.) (Ger)

PHYSIOLOGY

Alterations in perfused capillary morphometry in awake vs anesthetized brain. Buchweitz E, et al. **Brain Res** 1986 Jul 2;377(1):105-11
Brain palmitate incorporation in awake and anesthetized rats. Kimes AS, et al. **Brain Res** 1985 Aug 19;341(1):164-70
Alpha adrenergic system in medial preoptic area involved in sleep-wakefulness in rats. Mohan Kumar V, et al. **Brain Res Bull** 1986 Apr;16(4):463-8
Sleep arterial oxygen desaturation and chemical control of breathing during wakefulness in COPD. Tatsumi K, et al. **Chest** 1986 Jul;90(1):68-73
Differential effects of prior wakefulness and circadian phase on nap sleep. Dinges DF. **Electroencephalogr Clin Neurophysiol** 1986 Sep;64(3):224-7
Changes in wakefulness during exposure to whole body vibration. Landström U, et al. **Electroencephalogr Clin Neurophysiol** 1985 Nov;61(5):411-5
Sleep EEG in the rat as a function of prior waking. Tobler I, et al. **Electroencephalogr Clin Neurophysiol** 1986 Jul; 64(1):74-6
Respiratory modulation of neuronal discharge in the central nucleus of the amygdala during sleep and waking states. Zhang JX, et al. **Exp Neurol** 1986 Jan;91(1):193-207
Narcolepsy/cataplexy. III: Nocturnal sleep and wakefulness patterns. Bixler EO, et al. **Int J Neurosci** 1986 Jun; 29(3-4):305-16
Differential effects of awakening from REM and NONREM sleep on dichotic listening performance as a function of handedness. Lavie P. **Int J Neurosci** 1986 Aug; 30(1-2):37-42
Cortical visual evoked potentials during the sleep-wakefulness cycle in the freely moving cat. A dynamic study. Sigüenza JA, et al. **Int J Neurosci** 1985 Aug;27(3-4):257-63
Laminar analysis of intracortical auditory evoked potentials during the wakefulness-sleep cycle in the cat. Molnár M, et al. **Int J Psychophysiol** 1986 Jan;3(3):171-82
Components of the heart rhythm power spectrum in wakefulness and individual sleep stages. Zemaitytė D, et al. **Int J Psychophysiol** 1986 Jul;4(2):129-41
Changes in control of ventilation, awake and asleep, in the elderly. Pack AI, et al. **J Am Geriatr Soc** 1986 Jul; 34(7):533-44
Precision of circadian wake and activity onset timing in the mouse. Welsh DK, et al. **J Comp Physiol [A]** 1986 Jun; 158(6):827-34
Effect of age on the circadian pattern of sleep and wakefulness in the mouse. Welsh DK, et al. **J Gerontol** 1986 Sep;41(5):579-86
Importance of cardiac pacing in the analysis of vagal and sympathetic contributions to baroreflex control of cardiac performance in the conscious rabbit. West MJ, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S405-7
EEG frequency patterns in the cat prepyriform cortex during sleep and waking. Willey TJ, et al. **Neurol Res** 1985 Dec; 7(4):182-9
The effect of cerebral cortex isolation on sleep-wakefulness cycles in cats. Bogoslovskii MM. **Neurosci Behav Physiol** 1985 Nov-Dec;15(6):488-94
Sleep-wake stages during the subjective night of the squirrel monkey. Erny BC, et al. **Physiol Behav** 1985 Aug; 35(2):189-94
Ventilatory and waking responses to laryngeal stimulation in sleeping mature lambs. Marchal F, et al. **Respir Physiol** 1986 Jan;63(1):31-41
[Epilepsy and sleep in children: relationship of the crises with the nyctohemeral cycle] Deonna T, et al. **Rev Med Suisse Romande** 1985 Nov;105(11):1009-16 (Fre)
[Sleep—2. Substances in the mechanism of sleep and wakefulness] Nagasaki H, et al. **Nippon Rinsho** 1985 Jul; 43(7):1384-9 (19 ref.) (Jpn)
[Spectral-correlation characteristics of the electrical activity of the brain of the rabbit in a state of calm wakefulness] Rusinova EV, et al. **Zh Vyssh Nerv Deiat** 1986 May-Jun; 36(3):538-44 (Eng. Abstr.) (Rus)

WALDENSTROM'S HYPERGLOBULINEMIC PURPURA see **PURPURA, HYPERGLOBULINEMIC**

WALDENSTROM'S MACROGLOBULINEMIA see **MACROGLOBULINEMIA**

WALKERS see under **ORTHOPEDIC EQUIPMENT**

WALLENBERG'S SYNDROME see under **CEREBRAL EMBOLISM AND THROMBOSIS**

WALLERIAN DEGENERATION see under **NERVE DEGENERATION**

WALRUS see under **PINNIPEDIA**

WAR

Child psychiatric sequelae of maternal war stress. Meijer A. **Acta Psychiatr Scand** 1985 Dec;72(6):505-11
Conditions in Nicaragua and Honduras [letter] Willson LM. **Am J Dis Child** 1986 Feb;140(2):90-1
In wartime: options for epidemiology. Armenian HK. **Am J Epidemiol** 1986 Jul;124(1):28-32 (16 ref.)
War or peace: smallpox and the use and abuse of public health [editorial] Sidel VW. **Am J Public Health** 1986 Oct; 76(10):1189-90
Penetrating abdominal wounds in pregnancy. Pierson R, et al. **Ann Emerg Med** 1986 Oct;15(10):1232-4
Treatment of thoracic injuries [letter] Weissberg D. **Ann Thorac Surg** 1986 Sep;42(3):348
One nurse's goal can become ours if we lend support [editorial] Palmer PN. **AORN J** 1986 Jun;43(6):1202
Effect of war-time dietary changes on dental health of Finns 40 years later. Alanen P, et al. **Community Dent Oral Epidemiol** 1985 Oct;13(5):281-4
War planning in the Health Service—a survey of community physicians. Josephs DS, et al. **Community Med** 1986 Feb; 8(1):58-71
Relationship between growth hormone levels and time spent by soldiers in an active war zone. Nanji AA, et al. **Horm Behav** 1985 Sep;19(3):348-50
Ocular war injuries. Boparai MS, et al. **Indian J Ophthalmol** 1984 Sep-Oct;32(5):277-9
Psychological and physiological reactions to visual representations of war. Steele K, et al. **Int J Psychophysiol** 1986 Mar;3(4):237-52
Rehabilitation outcome of combat head injuries: comparison of October 1973 War and Lebanon War, 1982. Groswasser Z, et al. **Isr J Med Sci** 1985 Dec;21(12):957-61
Inter-rami intraoral fixation of severely comminuted mandibular war injuries. Shuker S. **J Maxillofac Surg** 1985 Dec;13(6):282-6
The Falkland experience. Oliver PO. **J Occup Med** 1985 Dec; 27(12):902-4
Management of comminuted mandibular war injuries with multiple circumferential wires. Shuker S. **J Oral Maxillofac Surg** 1986 Feb;44(2):152-5
Nursing interventions in wartime. Farhood L, et al. **J Psychosoc Nurs Ment Health Serv** 1986 Jul;24(7):25-30
Post-traumatic stress disorder (traumatic war neurosis) and concurrent psychiatric illness among Australian Vietnam veterans. A controlled study. Boman B. **J R Army Med Corps** 1985 Oct;131(3):128-31
Educational preparation of the military dental officer for contingency. Alexander RE. **Milit Med** 1985 Dec; 150(12):673-80
The chain of medical responsibility in battlefield medicine.

Dolev E, et al. **Milit Med** 1985 Sep;150(9):471–5
Training military reserve medics in combat casualty care: an example of military–civilian collaboration. Phlmann GP, et al. **Milit Med** 1986 Feb;151(2):97–100
Medical Corps readiness for major conflict. Wiener SL. **Milit Med** 1986 Jun;151(6):321–6
An analysis of dental emergencies during combat and peacetime exercises. Wynkoop JR 2d, et al. **Milit Med** 1986 Jul;151(7):364–7
The physician/participant in war [letter] Rosenthal RE. **NY State J Med** 1985 Nov;85(11):663
On the border of Afghanistan with the International Committee of the Red Cross. Morris D, et al. **NZ Med J** 1985 Sep 11;98(786):750–2
Combat stress, post-traumatic stress disorder, and associated psychiatric disturbance. Boman B. **Psychosomatics** 1986 Aug;27(8):567–73[?]
Social epidemiology of the experience of threat of war among Finnish youth. Solantaus T, et al. **Soc Sci Med** 1985; 21(2):145–51
[Health care and the partisan movement in Moravia] Paseka V, et al. **Cesk Zdrav** 1985 Nov;33(11):462–9 (Eng. Abstr.) (Cze)
[Health services in Eritrea ravaged by war and stricken by drought] Mogensen MR. **Ugeskr Laeger** 1986 Feb 24; 148(9):552–4 (Dan)
[108 popliteal artery injuries treated during the Lebanese war] Saadé B, et al. **Ann Chir** 1985 Oct;39(7):453–5 (Eng. Abstr.) (Fre)
[War colonic wounds treated by ideal surgery. Apropos of 47 cases] Farah P, et al. **Chirurgie** 1985;111(8):636–40 (Eng. Abstr.) (Fre)
[Problems in the expert evaluation of sound-induced injuries from the last war] Schulze-Bahr H. **HNO** 1985 Oct; 33(10):468–71 (Eng. Abstr.) (Ger)
[Generational struggle: violence of the young and violence against the young] Majore I. **Minerva Psichiatr** 1985 Apr–Jun;26(2):143–6 (Ita)
[Medical aid to war areas in the third world] Fosse E, et al. **Tidsskr Nor Laegeforen** 1985 Sep 20;105(26):1805–8 (Eng. Abstr.) (Nor)
[Health work in Afghanistan. Experiences from the Paktia Province, Autumn 1983] Mjaaland M. **Tidsskr Nor Laegeforen** 1986 Jan 20;106(2):114–6 (Eng. Abstr.) (Nor)
[Locomotor function of disabled World War II veterans 40 years after their wounds at the front] Grigor'ev MG, et al. **Ortop Travmatol Protez** 1985 Dec;(12):37–40 (Eng. Abstr.) (Rus)
[Characteristics of the treatment and outpatient care for tuberculosis patients who are World War II disabled and veterans] Pilipchuk NS, et al. **Probl Tuberk** 1985;(8):17–9 (Eng. Abstr.) (Rus)
[Treatment of osteoarthrosis deformans in disabled World War II veterans] Kuz'menko VV, et al. **Revmatologiia (Moskva)** 1985 Jul–Sep;(3):33–6 (Eng. Abstr.) (Rus)
[Status of the musculoskletal system of World War II disabled] Grigor'ev MG, et al. **Sov Med** 1986;(1):62–5 (Rus)
[Participation of teachers and medical students in perfecting mass defense measures] Alekseev SV, et al. **Sov Zdravookhr** 1985;(6):45–7 (Rus)

HISTORY

From irritable heart to mitral valve prolapse: World War I, the British experience and James Mackenzie. Wooley CF. **Am J Cardiol** 1986 Feb 15;57(6):463–6
The Vietnam nurses can't forget. Odom JD. **Am J Nurs** 1986 Sep;86(9):1035–7
Nurses who served—and did not return. Spelts D. **Am J Nurs** 1986 Sep;86(9):1037–9
Julian John Chisolm, M.D. Confederate surgeon. Sherman R. **Am Surg** 1986 Jan;52(1):1–8
Gun money—owning a piece of history. Goddard P. **Bristol Med Chir J** 1986 Apr;101(2):38
Microbes, warfare, religion, and human institutions. Doyle RJ, et al. **Can J Microbiol** 1986 Mar;32(3):193–200
Military orthopedic surgery. Cozen LN. **Clin Orthop** 1985 Nov;(200):50–3
The Division of Orthopaedic Surgery in the A.E.F. a.k.a. The Goldthwait Unit. Peltier LF. **Clin Orthop** 1985 Nov; (200):45–9
Medicine and air supremacy. By John F. Fulton. The Shattuck Lecture, delivered at the annual meeting of the Massachusetts Medical Society, Boston, May 26, 1942. **Int J Neurol** 1980;14(2–4):283–93
The house on Pacific Street: homosexuality, intrigue, and politics during World War II. Murphy LR. **J Homosex** 1985 Fall;12(1):27–49
John Hull Grundy lecture. Mosquitoes, malaria and war; then and now. Bruce-Chwatt LJ. **J R Army Med Corps** 1985 Jun;131(2):85–99
The first recorded aeromedical evacuation in the British Army—the true story. Dolev E. **J R Army Med Corps** 1986 Feb;132(1):34–6
Reflections of forty years ago—Belsen 1945. Prescott DT. **J R Army Med Corps** 1986 Feb;132(1):48–51
Wounded by bayonet, ball, and bacteria: medicine and neurosurgery in the American Civil War. Zellem RT. **Neurosurgery** 1985 Nov;17(5):850–60
Dr Widger's war. A photographic history of the 41st Portable Surgical Hospital 1943–1945. Fox DM. **NY State J Med** 1986 Jan;86(1):10–4
The heritage bank. Robertson JT. **Pharos** 1986 Spring; 49(2):24–6
Contributions to the history of psychology: XL. The Hampstead Wartime Nurseries. Jackson DJ. **Psychol Rep** 1986 Feb;58(1):127–30
Together, in the name of life and victory. Stegunin SI, et al. **Sante Publique (Bucur)** 1985;28(3):257–64
[Military veterinary service in World War II] Popov M. **Vet Med Nauki** 1985;22(10):79–84 (Bul)
[The parachutists from Resslov Street. The last testimony] Vaněk L. **Cas Lek Cesk** 1986 Jun 6;125(23):718–20 (Cze)
[Diseases and their treatment in concentration camps along the River Kwai] Bras G. **Ned Tijdschr Geneeskd** 1985 Aug 10;129(32):1529–32 (Dut)
[Experiences from the concentration camps of Java and Japan] Colaço Belmonte A. **Ned Tijdschr Geneeskd** 1985 Aug 10;129(32):1506–9 (Dut)
[The Burma–Thailand railroad. Why the Burma–Thailand railroad had to be built] de Bruin R. **Ned Tijdschr Geneeskd** 1985 Aug 10;129(32):1528 (Dut)
[40 years after the days of the Indonesian concentration camp. The tropical years] Dunning AJ. **Ned Tijdschr Geneeskd** 1985 Aug 10;129(32):1505 (Dut)
[The Petronella hospital during the Japanese occupation] Fortunatus. **Ned Tijdschr Geneeskd** 1985 Aug 10; 129(32):1558–9 (Dut)
[The hospital in a time of revolution] van der Schaar PJ. **Ned Tijdschr Geneeskd** 1985 Aug 10;129(32):1559–63 (Dut)
[The history of Lawe–Sigalagala, a concentration camp in Atjeh] van der Schroeff JP, et al. **Ned Tijdschr Geneeskd** 1985 Aug 10;129(32):1565–8 (Dut)
[Hospital care. Morbidity and mortality in the internal medicine department of the concentration camp hospital in Tjimahi] Zuidema PJ. **Ned Tijdschr Geneeskd** 1985 Aug 10;129(32):1553–8 (Dut)
[Euthanasia of mental patients in Germany during World War II] Von Cranach H. **Ann Med Psychol (Paris)** 1985 Apr; 143(4):352–60 (Fre)
[Memoirs of the Napoleonic wars: the viewpoint of the wounded and their physicians] Rüttimann B. **Gesnerus** 1985;42(3–4):399–413 (Eng. Abstr.) (Fre)
[The military veterinary division—a retrospective view of a mobile horse clinic] Schulze W. **DTW** 1986 Apr 7; 93(4):154–6 (Eng. Abstr.) (Ger)
[Principles and successes of antiepidemic protection in World War II] Burgasov PN. **Z Gesamte Hyg** 1985 Dec; 31(12):678–80 (Eng. Abstr.) (Ger)
[History of the pathologico-anatomical service of the Red Army in the Great Patriotic War 1941–45] Smoljannikow AW, et al. **Zentralbl Allg Pathol** 1986;131(3):261–6 (Eng. Abstr.) (Ger)
[On the 40th anniversary of the liberation of Hungary] Károlyi G. **Orv Hetil** 1986 Mar 30;127(13):747–8 (Hun)
[Medical notes from World War II] Szállási A. **Orv Hetil** 1985 Sep 22;126(38):2357–60 (Hun)
[Observations, interpretations and hypotheses concerning medical historiography of war events] Giunchi G. **Riv Med Aeronaut Spaz** 1983 Jan–Dec;48(1–4):49–68 (Ita)
[Warsaw's military hospitals during the November uprising. II. 2. The hospital in the Sierakowskie Barracks] Chojna JW. **Arch Hist Filoz Med** 1985;48(3):291–303 (Eng. Abstr.) (Pol)
[Warsaw military hospitals during the November Uprising. III. 8. Hospital in Krzemiński house] Chojna JW. **Arch Hist Filoz Med** 1985;48(4):463–87 (Eng. Abstr.) (Pol)
[An Austrian field hospital in Warsaw 1809] Krzyś J. **Arch Hist Filoz Med** 1986;49(1):19–26 (Eng. Abstr.) (Pol)
[26th issue dedicated to the medical problems during the occupation under Hitler. Introduction] Bogusz J. **Przegl Lek** 1986;43(1):3–13 (Pol)
[War, the Nazi occupation and medicine. International meeting in Cracow, 25–26 April 1985] Bogusz J, et al. **Przegl Lek** 1986;43(1):189–202 (Pol)
[Efforts in Rome concerning the release of professors imprisoned by the Nazis under the Cracow Special Action] Bolewski A, et al. **Przegl Lek** 1986;43(1):95–8 (Pol)
[Clandestine Medical Department of the University of the Western Territories] Chróścielewski E. **Przegl Lek** 1986; 43(1):89–95 (Pol)
[Actions of SS personnel in Auschwitz–Birkenau against social and emotional bonds] Chylińska M. **Przegl Lek** 1986; 43(1):145–61 (Pol)
[Experience and emotions during concentration camp roll calls] Chylińska M. **Przegl Lek** 1986;43(1):131–44 (Pol)
[Executions by guillotine in the Breslau prison] Fijałkowska B, et al. **Przegl Lek** 1986;43(1):106–11 (Pol)
[Empirical studies of self concept in former prisoners of Nazi concentration camps] Jakubik A. **Przegl Lek** 1986; 43(1):20–8 (Pol)
[Physiological problems of every-day-life in the concentration camp] Jezierska ME. **Przegl Lek** 1986; 43(1):161–6 (Pol)
[The Auschwitz dictionary (E, L, Z). A sample] Kłodziński S, et al. **Przegl Lek** 1986;43(1):45–60 (Pol)
[The City Hospital in Kielce (1939–1945)] Kołodziejczyk B, et al. **Przegl Lek** 1986;43(1):71–81 (Pol)
[Death registry in the concentration camp hospital in Kolce] Konieczny A. **Przegl Lek** 1986;43(1):101–5 (Pol)
[Prisoners of war from Lamadorf in the Lobeń Psychiatric Hospital] Krupka–Matuszczyk I. **Przegl Lek** 1986; 43(1):81–3 (Pol)
[Bio–psycho–social sequelae of long–term stress in persons active in the Home Army and People's Army] Krupka–Matuszczyk I, et al. **Przegl Lek** 1986;43(1):14–7 (Pol)
[Administrative problems in the Ujazdowski Hospital. Capt. Antoni Wolf] Lityński M. **Przegl Lek** 1986;43(1):83–8 (Pol)
[Contents of preceding issues of "Przegląd Lekarski" (Medical Review) devoted to medical problems of the period of Nazi occupation] Masłowski J. **Przegl Lek** 1986;43(1):225–48 (Pol)
[From the correspondence on the Auschwitz issues of Przegląd Lekarski (VIII)] Masłowski J. **Przegl Lek** 1986; 43(1):209–12 (Pol)
[Medical topics on the Nazi occupation in 1985 Polish publications] Masłowski J. **Przegl Lek** 1986;43(1):213–24 (Pol)
[Commemoration of the 40th anniversary of the liberation of Auschwitz–Birkenau concentration camp at the Cracow Medical Society] Masłowski J. **Przegl Lek** 1986;43(1):202–8 (Pol)
[Hospital for prisoners of war in the Jesuit Hospital in Cracow] Mianowska A. **Przegl Lek** 1986;43(1):61–71 (Pol)
[Nazi public health policies in Upper Silesia] Moska D. **Przegl Lek** 1986;43(1):98–101 (Pol)
[Attitudes and heroic actions in concentration camps] Ryn Z, et al. **Przegl Lek** 1986;43(1):28–45 (Pol)
[Extermination in the Hadamar Center] Schweitzer PP, et al. **Przegl Lek** 1986;43(1):111–30 (Pol)
[The women's camp at Auschwitz–Birkenau 1943–1945] Witaszek H. **Przegl Lek** 1986;43(1):167–75 (Pol)
[Memoirs of the resuscitation service at the front] Negovskii VA. **Anesteziol Reanimatol** 1985 Nov–Dec;(6):3–5 (Rus)
[Surgical anesthesia during World War II and modern military anesthesiology] Uvarov BS. **Anesteziol Reanimatol** 1985 Jul–Aug;(4):75–6 (Rus)
[Notes of a wartime pathologist] Avtsyn AP. **Arkh Patol** 1985;47(5):19–29 (Eng. Abstr.) (Rus)
[Pathoanatomical service in World War II in blockaded Leningrad] Khmel'nitskii OK. **Arkh Patol** 1985;47(5):29–36 (Eng. Abstr.) (Rus)
[Tula—city of hospitals (memoirs of a pathoanatomist at a hospital evacuated from the front)] Shapiro FM. **Arkh Patol** 1985;47(5):36–8 (Eng. Abstr.) (Rus)
[History of the Red Army pathoanatomical service in World War II 1941–1945] Smol'iannikov AV, et al. **Arkh Patol** 1985;47(5):3–15 (Eng. Abstr.) (Rus)
[Pathoanatomists—veterans of World War II 1941–1945] Tsinzerling AV. **Arkh Patol** 1985;47(5):15–9 (Eng. Abstr.) (Rus)
[Epidemiological health service for child and adolescent hygiene in the Ukraine during the period of the elimination of the health consequences of World War II (1946–1950)] Borisenko NF, et al. **Gig Sanit** 1986 Feb;(2):34–7 (Rus)
[Work experience of the hygiene section of an epidemiological health laboratory at the Volkhov Front] Grushko IaM. **Gig Sanit** 1985 Aug;(8):44–5 (Rus)
[N.I. Pirogov's work at military hospitals in Simferopol (1854–1855)] Belokurenko SP. **Khirurgiia (Mosk)** 1985 Nov; (11):155–6 (Rus)
[Institute of Chief Therapists of the Fronts (from the history of Soviet military–field therapy)] Aleksanian IV, et al. **Klin Med (Mosk)** 1986 May;64(5):14–21 (Rus)
[Principal naval therapists in World War II 1941–1945] Aleksanian IV, et al. **Klin Med (Mosk)** 1985 May; 63(5):37–41 (Rus)
[Academic therapists of the Central Institute for Advanced Medical Training during World War II 1941–1945] Aleksanian IV, et al. **Klin Med (Mosk)** 1985 May; 63(5):46–52 (Rus)
[Chief surgeon of the Red Army in World War II 1941–1945. Nikolai Nilovich Burdenko] Bagdasar'ian SM. **Klin Med (Mosk)** 1985 May;63(5):139–46 (Rus)
[1st postwar XIII All–Union Congress of Therapists (15–20 June 1947, Leningrad)] Dembo AG. **Klin Med (Mosk)** 1985 May;63(5):150–3 (Rus)
[Soviet therapists at the front in World War II 1941–1945] Gembitskii EB. **Klin Med (Mosk)** 1985 May;63(5):28–33 (Rus)
[Historical significance of the achievements of medicine and public health in World War II 1941–1945] Georgievskii AS. **Klin Med (Mosk)** 1985 May;63(5):14–20 (Rus)
[Soviet neuropathology in World War II 1941–1945] Kanarelkin KF. **Klin Med (Mosk)** 1985 May;63(5):33–6 (Rus)
[Contribution of military medics to the victory over fascist Germany] Komarov FI. **Klin Med (Mosk)** 1985 May; 63(5):6–11 (Rus)
[Surgery in World War II 1941–1945] Maiat VS. **Klin Med (Mosk)** 1985 May;63(5):24–8 (Rus)
[Tuberculosis and its problems in World War II 1941–1945] Mikhailov FA. **Klin Med (Mosk)** 1985 May;63(5):52–9 (Rus)
[Military field surgery in World War II 1941–1945] Petrovskii

BV. **Klin Med (Mosk)** 1985 May;63(5):20–4 (Rus)
[The Great Victory and clinical medicine] Smirnov EI. **Klin Med (Mosk)** 1985 May;63(5):11–4 (Rus)
[Leningrad therapists in World War II 1941–1945] Stavskaia VV. **Klin Med (Mosk)** 1985 May;63(5):41–6 (Rus)
[Helping victory along] Vaulina N, et al. **Med Tekh** 1985 May–Jun;(3):8–12 (Rus)
[Military surgery and surgeons of the mobile army surgical unit during World War II 1941–1945] Ryzhikov II. **Ortop Travmatol Protez** 1986 Feb;(2):62–6 (Rus)
[Achievements of Soviet military surgery] Shaposhnikov IuG. **Ortop Travmatol Protez** 1986 May;(5):62–6 (Rus)
[Contribution of Soviet parasitologists to the victory over fascist Germany] Bykhovskaia–Pavlovskaia IE, et al. **Parazitologiia** 1985 Sep–Oct;19(5):410–4 (Eng. Abstr.) (Rus)
[Child and maternal welfare] Luk'ianova EM. **Pediatriia** 1985 May;(5):3–7 (Rus)
[Infectious diseases in children and their prevention in World War II] Nosov SD. **Pediatriia** 1985 May;(5):7–10 (Rus)
[Care for orphaned children without relatives in World War II] Skorniakova LK, et al. **Pediatriia** 1985 May;(5):11–3 (Rus)
[Participation and contribution of Soviet medics to the cause of victory in World War II, 1941–1945] Gol'ber LM. **Probl Endokrinol (Mosk)** 1985 May–Jun;31(3):3–9 (Rus)
[Tuberculosis in Leningrad during World War II and the blockade] Greimer MS, et al. **Probl Tuberk** 1985;(10):72–4 (Rus)
[Phthisiologists of the Ukrainian SSR in World War II] Mamolat AS. **Probl Tuberk** 1985;(5):10–3 (Eng. Abstr.) (Rus)
[Experience in the prevention of lung diseases in World War II] Meve EB. **Probl Tuberk** 1985;(5):13–8 (Eng. Abstr.) (Rus)
[Tuberculosis and its prevention in the USSR in World War II] Nezlin SE. **Probl Tuberk** 1985;(5):3–7 (Eng. Abstr.) (Rus)
[Organization of antituberculous measures in the Red Army in World War II] Poletaev SD, et al. **Probl Tuberk** 1985;(5):7–10 (Eng. Abstr.) (Rus)
[Restoration of the tuberculosis control institutions of the Ukraine 1943–1945] Sakharchuk IM, et al. **Probl Tuberk** 1985;(10):70–1 (Rus)
[Contribution of Soviet physicians and medical scientists to the victory of the Soviet people in World War II 1941–1945] **Revmatologiia (Moskva)** 1985 Jul–Sep;(3):3–5 (Rus)
[Soviet neuropathology during the World War II years] Akimov GA. **Sov Med** 1985;(5):36–40 (Rus)
[Chief surgeons of the fronts during World War II] Aleksanian IV, et al. **Sov Med** 1985;(5):50–4 (Rus)
[Epidemiologic services in World War II] Belikaov VD. **Sov Med** 1985;(5):30–6 (Rus)
[Medical workers during the revolution 1905–1907 (on the 80th anniversary of the first Russian revolution)] Chechenkina OI. **Sov Med** 1985;(12):117–21 (Rus)
[Recollections of a surgeon at the front] Dubrov IaG. **Sov Med** 1985;(5):48–50 (Rus)
[Soviet public health in the medical service of Soviet armed forces in World War II, 1941–1945] Ivanov NG. **Sov Med** 1985;(5):3–12 (Rus)
[Heroism of Soviet physicians during the World War II years] Kuz'min MK. **Sov Med** 1985;(5):40–4 (Rus)
[Military field surgery in World War II] Lisitsyn KM. **Sov Med** 1985;(5):17–24 (Rus)
[Leading the defense of the Soviet nation] Osipov EO. **Sov Med** 1985;(5):12–7 (Rus)
[Pathologoanatomic service of the Soviet Army during the World War II years] Smol'iannikov AV. **Sov Med** 1985;(5):44–8 (Rus)
[Public health in Azerbaijan during the war years] Akhmedov AA, et al. **Sov Zdravookhr** 1985;(5):39–42 (Rus)
[Organization of the treatment of wounded and sick soldiers in evacuation hospitals in the Chuvash ASSR] Alekseev GA. **Sov Zdravookhr** 1985;(6):59–61 (Rus)
[Social assistance and patronage of evacuation hospitals of the Chuvash ASSR during the war] Alekseev GA. **Sov Zdravookhr** 1985;(10):64–7 (Rus)
[The Soviet Red Cross and the solution of wartime public health issues] Baltiiskii VA. **Sov Zdravookhr** 1985;(5):26–9 (Rus)
[Physicians during the heroic defense of Sevastopol 1854–1855] Bashtanova LV. **Sov Zdravookhr** 1985;(8):57–61 (Rus)
[Public health in the RSFSR during World War II] Belikova NP. **Sov Zdravookhr** 1986;(5):43–6 (Rus)
[Activities of medical workers in restoring public health in the Byelorussian SSR (1944–1950)] Belov SI. **Sov Zdravookhr** 1986;(2):56–9 (Rus)
[Evacuation hospitals of the People's Commissariat of Public Health of the USSR] Belyi AD. **Sov Zdravookhr** 1986;(3):42–4 (Rus)
[The contribution of Turkmenistan physicians to the victory over fascism] Berdyklychev M, et al. **Sov Zdravookhr** 1986;(5):46–8 (Rus)
[Health education in wartime] Borokhov DZ. **Sov Zdravookhr** 1986;(2):51–3 (Rus)
[Assistance offered by the population of Nagorny Karabakh to the wounded during World War II] Boziian ZhA. **Sov Zdravookhr** 1985;(11):60–2 (Rus)
[The deeds of medical workers memorialized by the people] Brzheskii VCh. **Sov Zdravookhr** 1985;(12):49–52 (Rus)
[Maternal health services during World War II] Danilishina EI. **Sov Zdravookhr** 1986;(3):40–2 (Rus)
[Child health care during World War II] Danilishina EI, et al. **Sov Zdravookhr** 1985;(12):45–9 (Rus)
[Elimination of the health consequences of war in the Ukraine] Duplenko KF, et al. **Sov Zdravookhr** 1986;(7):56–8 (Rus)
[Medical services of partisan units] Ermakov MA. **Sov Zdravookhr** 1986;(6):56–8 (Rus)
[Health education during World War II] Ershov VS, et al. **Sov Zdravookhr** 1985;(5):29–34 (Rus)
[Workers' contribution to public health in Moscow during World War II] Goncharova SG. **Sov Zdravookhr** 1986;(1):53–7 (Rus)
[Physicians in World War II] Grando AA, et al. **Sov Zdravookhr** 1985;(9):51–3 (Rus)
[The struggle of the Bolsheviks and of the progressive medical intelligentsia for the protection of the people's health during the 1st Russian Revolution] Ianovskii AG. **Sov Zdravookhr** 1985;(8):49–52 (Rus)
[Medical workers on the barricades during the first Russian revolution (on the 80th anniversary of the December armed uprising 1905)] Ianovskii AG. **Sov Zdravookhr** 1985;(12):42–5 (Rus)
[Contribution of Moscow medical manpower to the victory over fascism] Iarovinskii MIa. **Sov Zdravookhr** 1985;(5):34–9 (Rus)
[The Sverdlovsk Medical Institute during the war] Iastrebov AP, et al. **Sov Zdravookhr** 1986;(5):49–51 (Rus)
[Medical community of Bashkiria in the war years] Ibragimov NG. **Sov Zdravookhr** 1986;(2):60–1 (Rus)
[Activities of evacuation hospitals in Buryatia] Ivashchenko IK. **Sov Zdravookhr** 1985;(5):56–8 (Rus)
[Activities of the S.M. Kirov Military Medical Academy in Samarkand during World War II] Kadyrov AA, et al. **Sov Zdravookhr** 1985;(10):62–4 (Rus)
[Soviet medicine during World War II] Komarov FI, et al. **Sov Zdravookhr** 1985;(5):3–7 (Rus)
[The graduate medical school during the war] Krugliankii MR. **Sov Zdravookhr** 1985;(5):21–6 (Rus)
[Improvement of surgical services in hospitals of the Georgian S.S.R.] Kurchishvili IB, et al. **Sov Zdravookhr** 1985;(5):49–53 (Rus)
[Activities of the USSR Department of Health during World War II] Kuz'min MK. **Sov Zdravookhr** 1985;(5):8–11 (Rus)
[Participation of Russian pharmacists in the revolutionary movement 1905] Liubarov PE. **Sov Zdravookhr** 1985;(11):64–8 (Rus)
[Teachers and graduates of the Crimean Medical Institute during World War II, 1941–1945] Losev OA, et al. **Sov Zdravookhr** 1986;(7):58–61 (Rus)
[Elimination of health-facility related consequences of the war in the USSR] Luk'ianchuk LIa, et al. **Sov Zdravookhr** 1985;(5):43–5 (Rus)
[Public health in Uzbekistan during the war years] Makhmudov M, et al. **Sov Zdravookhr** 1985;(5):46–9 (Rus)
[Contributions of the leading scientists and physicians to the solution of health care problems during the war] Marasanov RA, et al. **Sov Zdravookhr** 1985;(5):15–20 (Rus)
[The great heroic feat of the Soviet people] Metelitsa LV, et al. **Sov Zdravookhr** 1985;(8):41–4 (Rus)
[The search for material on Tula physicians—the war heroes] Nemenov AIa. **Sov Zdravookhr** 1986;(5):51–4 (Rus)
[Medico-social aid to evacuated children] Oberg LIa. **Sov Zdravookhr** 1985;(5):59–62 (Rus)
[Health professionals—participants in the partisan movement in the Crimea] Petrov VP, et al. **Sov Zdravookhr** 1985;(5):71–4 (Rus)
[The Perm base of evacuation hospitals] Selezneva VT. **Sov Zdravookhr** 1985;(5):63–7 (Rus)
[Organization of the health care of soldiers in the country's evacuation hospitals] Selivanov VI. **Sov Zdravookhr** 1985;(5):11–5 (Rus)
[Participation of students of the Military Medical Academy in the first Russian revolution 1905–1907] Shabunin AV. **Sov Zdravookhr** 1985;(11):62–4 (Rus)
[Active participant in the Revolution 1905–1907, bolshevik N.P. Sagredo] Shalaev NF. **Sov Zdravookhr** 1986;(3):51–3 (Rus)
[The martial feats of physicians in World War II] Sobol' IS. **Sov Zdravookhr** 1985;(8):44–6 (Rus)
[Remarkable feats of health professionals in the Volga region] Stegunin SI, et al. **Sov Zdravookhr** 1985;(5):67–71 (Rus)
[The Leningrad Pediatric Medical Institute during the war years] Suvorova RV, et al. **Sov Zdravookhr** 1985;(5):74–9 (Rus)
[Pharmaceutical and medical workers of the Volga River region in the war years] Vinokurov GA, et al. **Sov Zdravookhr** 1985;(8):47–9 (Rus)
[Medical personnel of the evacuation hospitals of the People's Commissariat of Public Health of the USSR and the organization of their advanced training during World War II] Voltenko MF. **Sov Zdravookhr** 1986;(2):54–6 (Rus)
[Merits of medical workers of the Ul'ianovsk region in rendering health services to wounded soldiers] Zemchenko IA, et al. **Sov Zdravookhr** 1985;(5):53–5 (Rus)
[Revolutionary activities of Simbirsk physicians during the 1st Russian Revolution] Zemchenko IA, et al. **Sov Zdravookhr** 1985;(8):53–4 (Rus)
[40th anniversary of victory in World War II] **Stomatologiia (Mosk)** 1985 May–Jun;64(3):4–6 (Rus)
[Achievements of military surgery during World War II] Dolinin VA. **Vestn Khir** 1985 Aug;135(8):6–10 (Eng. Abstr.) (Rus)
[Organization of surgical services for the wounded during the siege of Leningrad] Kolesnikov IS, et al. **Vestn Khir** 1985 Aug;135(8):3–6 (Eng. Abstr.) (Rus)
[Achievements of transfusiology during World War II 1941–1945 and its present-day problems] Ryzhkov SV, et al. **Vestn Khir** 1985 Jun;134(6):3–7 (Eng. Abstr.) (Rus)
[40th anniversary of a great victory] **Voen Med Zh** 1985 May;(5):3–7 (Rus)
[Organizational problems of neuropsychiatric care during World War II] Akimov GA, et al. **Voen Med Zh** 1985 Nov;(11):18–21 (Rus)
[Military stomatology during World War II] Aleksandrov NM. **Voen Med Zh** 1985 Dec;(12):18–20 (Rus)
[Work of military physicians of the 31st Army in the White Russian Operation] Belov SI. **Voen Med Zh** 1985 Oct;(10):10–3 (Rus)
[The volume of surgical interventions in triage at evacuation hospitals during World War II] Chepelev AG. **Voen Med Zh** 1986 Apr;(4):57 (Rus)
[The work of sorting-evacuation hospitals at intake of the hospital base during the World War II] Chepelev AG. **Voen Med Zh** 1986 Jun;(6):71–2 (Rus)
[Delivery of medical supplies during the war] Chernousov VA. **Voen Med Zh** 1985 Sep;(9):22–4 (Rus)
[Experience in organizing sanitary and hygienic measures with the troops in wartime] Chvyrev VG. **Voen Med Zh** 1985 May;(5):50–3 (Rus)
[In the battle for the health of servicemen] Derbenev NE. **Voen Med Zh** 1985 Oct;(10):21–2 (Rus)
[Organization of technical materials of medical services during the war] Dovgan' VG. **Voen Med Zh** 1985 Jul;(7):28–30 (Rus)
[Various characteristics of medical services in the 45th Rifle Corps of the 5th Army at the First Far-Eastern front in the Manchurian campaign] Evdokimov AF. **Voen Med Zh** 1985 Aug;(8):18–21 (Rus)
[Blood transfusion services in Wor'd War II] Gavrilov OK. **Voen Med Zh** 1985 May;(5):38–40 (Rus)
[The beginning of international combat cooperation] Georgievskii AS. **Voen Med Zh** 1985 Nov;(11):14–8 (Rus)
[Medical services in the 50th Army during the capture of Königsberg] Golosov BA. **Voen Med Zh** 1985 Jul;(7):15–20 (Rus)
[The Military Naval Medical Academy in the war years] Gorev NA. **Voen Med Zh** 1985 Nov;(11):21–3 (Rus)
[Physicians of the 16th Assault Engineers Brigade] Idel'chik KhI. **Voen Med Zh** 1985 Nov;(11):23–5 (Rus)
[Application of quarantine measures in the plague focus during the Manchurian campaign] Ivankin PK. **Voen Med Zh** 1985 Aug;(8):25–6 (Rus)
[Activities of the Academy of Medical Sciences of the USSR in World War II and the early postwar years] Ivanov NG, et al. **Voen Med Zh** 1985 May;(5):58–62 (Rus)
[Use of local raw material resources in Western Siberia for the treatment of the wounded and sick] Ivashchenko IK. **Voen Med Zh** 1986 Feb;(2):69–70 (Rus)
[Development of military medical disability expertise during World War II] Kamenskov NN, et al. **Voen Med Zh** 1985 May;(5):62–7 (Rus)
[Problems of medical support for antiaircraft troops in wartime] Khorovets GM. **Voen Med Zh** 1985 May;(5):29–33 (Rus)
[Soviet military medicine in World War II] Komarov FI. **Voen Med Zh** 1985 May;(5):10–5 (Rus)
[Use of hospital ships for medical and evacuation services in the military forces of the United States during the Vietnam war] Konovalov VD, et al. **Voen Med Zh** 1986 Jun;(6):78–80 (Rus)
[Laboratory diagnosis during World War II] Kozhemiakin LA, et al. **Voen Med Zh** 1985 Oct;(10):18–21 (Rus)
[Contribution of military field surgeons to victory over the enemy] Lisitsyn KM, et al. **Voen Med Zh** 1985 May;(5):33–8 (Rus)
[Self-sacrifice and heroism of military physicians] Lopatenok AA, et al. **Voen Med Zh** 1985 Sep;(9):13–6 (Rus)
[Medical support for the Prague Operation] Medvedev VI. **Voen Med Zh** 1985 May;(5):16–20 (Rus)
[Medical services of the Local Anti-Aircraft Defense during World War II] Ostapenko AL, et al. **Voen Med Zh** 1986 Feb;(2):67–9 (Rus)
[Naval physicians during World War II] Porembskii BM. **Voen Med Zh** 1985 Jul;(7):21–5 (Rus)
[Medical support for the Navy in the war years] Potemkin NT. **Voen Med Zh** 1985 May;(5):25–9 (Rus)
[Organization of medical support for the Air Forces in World War II] Rudnyi NM. **Voen Med Zh** 1985 May;(5):20–5 (Rus)
[Development of measures for increasing the work capacity of submariners and divers in World War II] Sapov IA, et al. **Voen Med Zh** 1986 Jul;(7):72–4 (Rus)
[The Military Medical Academy during the 1st Russian revolution (on the 80th anniversary of the 1905–1907 revolution in Russia)] Selivanov EF. **Voen Med Zh** 1985 Oct;(10):73–5 (Rus)
[Organization of military medical services in the Manchurian campaign] Shevtsov OS, et al. **Voen Med Zh** 1985 Aug;

(8):10-5 (Rus)
[Role of the Central Military Medical Commission in improving military medical examinations during World War II] Smirnov BN. **Voen Med Zh** 1986 May;(5):18-20 (Rus)
[Training of feldshers during foreign military intervention and the revolution] Smirnov VA. **Voen Med Zh** 1986 Feb;(2):65-7 (Rus)
[Medical provisions of partisan detachments and formations] Timofeev VV. **Voen Med Zh** 1985 Sep;(9):18-22 (Rus)
[Medical supplies of the Army and Navy in wartime] Tiurin VG, et al. **Voen Med Zh** 1985 May;(5):54-7 (Rus)
[In the surgical military mobile hospital] Tsarfis PG. **Voen Med Zh** 1985 Aug;(8):21-4 (Rus)
[Various problems in organizing the medico-chemical protection of the troops during World War II (from the experience of the work of an army toxicologist)] Vishniakov IK. **Voen Med Zh** 1986 May;(5):15-8 (Rus)
[Military medical literature during World War II] Volkaia EA. **Voen Med Zh** 1986 Mar;(3):65-6 (Rus)
[Problems in the medical support for the Black Sea fleet] Vorob'ev VP, et al. **Voen Med Zh** 1985 Oct;(10):14-7 (Rus)
[Creation and use of medical supply inventories in the prewar years and during World War II] Voronkov OV. **Voen Med Zh** 1986 May;(5):65-8 (Rus)
[Activity of military-medical warehouses in World War II] Voronkov OV. **Voen Med Zh** 1985 Sep;(9):25-8 (Rus)
[Organization of the treatment of wounded and sick in evacuation hospitals in the Southern Ural region] Vyrodov IK, et al. **Voen Med Zh** 1985 Jul;(7):25-8 (Rus)
[Sanitary-educational work among the troops and in military treatment institutions during the war years] Zakharov IuM, et al. **Voen Med Zh** 1985 Sep;(9):16-8 (Rus)
[Selfless work of the physicians of the 27th Guards' Infantry Division] Zhukov GA. **Voen Med Zh** 1985 Dec;(12):20-3 (Rus)
[Physiotherapy at medical evacuation stations during World War II] Vorob'ev MG, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Jul-Aug;(4):6-8 (Rus)
[Epidemic control support for the troops and the population of the USSR on the eve of and during World War II] Burgasov PN. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Mar;(3):3-7 (Eng. Abstr.) (Rus)
[Revolution—the road to freedom] Knežević S. **Liječ Vjesn** 1986 Jan;108(1):5 (Scr)
[The importance of the surgical service in the National Liberation War] Kučilec A. **Liječ Vjesn** 1986 Jan;108(1):2-4 (Eng. Abstr.) (Scr)
[History of health care during the Slovak National Uprising] Junas J, et al. **Cesk Zdrav** 1985 Oct;33(10):401-16 (Slo)

WAR CRIMES

Control of aggression in adult children of survivors of the Nazi persecution. Sigal JJ, et al. **J Abnorm Psychol** 1985 Nov;94(4):556-64

HISTORY

Mengele's conduct: who was responsible? [letter] Godfrey CM. **Can Med Assoc J** 1986 Feb 15;134(4):305
The professional origins of Dr. Joseph Mengele [letter] Seidelman WE. **Can Med Assoc J** 1986 Apr 15;134(8):865
[Antipsychotherapy and antipedagogics—examples of totalitarian sociotechnics] Godorowski K. **Przegl Lek** 1986;43(1):17-20 (Pol)
[Participation of Soviet physicians in the testimony against war criminals at the Nuremberg trial] Tomilin VV, et al. **Voen Med Zh** 1986 Jun;(6):76-8 (Rus)
[Exposure of criminal activity of the Japanese military authorities regarding the preparation and use of bacterial warfare] Tomilin VV, et al. **Voen Med Zh** 1985 Aug;(8):26-9 (Rus)

WARFARIN

[Effect of permanent bait boxes containing anticoagulants in rodent control on the trains] Dong TY. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1985 Oct;6(5):304-6 (Eng. Abstr.) (Chi)

ADMINISTRATION & DOSAGE

A model which predicts maintenance warfarin dosage requirements from the response to a single dose [letter] Peterson GM, et al. **Br J Clin Pharmacol** 1985 Aug;20(2):177-8
Multicenter evaluation of six methods for predicting warfarin maintenance-dose requirements from initial response. Sawyer WT, et al. **Clin Pharm** 1985 Jul-Aug;4(4):440-6
Combined use of warfarin and adjusted subcutaneous heparin during pregnancy in patients with an artificial heart valve. Lee PK, et al. **J Am Coll Cardiol** 1986 Jul;8(1):221-4
Oral anticoagulants in calf-vein thrombosis [letter] Lagerstedt C, et al. **Lancet** 1985 Dec 7;2(8467):1311-2
[Oral anticoagulant therapy: analysis of the efficacy of a dosage guide] Jobin F, et al. **Can Med Assoc J** 1986 Jul 15;135(2):123-7 (Eng. Abstr.) (Fre)

ADVERSE EFFECTS

Megakaryocytes in a hemorrhagic pleural effusion caused by anticoagulant overdose. Bartziota EV, et al. **Acta Cytol (Baltimore)** 1986 Mar-Apr;30(2):163-5
Sodium warfarin-induced gangrene of the breast. Manstein CH, et al. **Ann Plast Surg** 1985 Aug;15(2):161-2
Cholestatic hepatic injury related to warfarin exposure. Adler E, et al. **Arch Intern Med** 1986 Sep;146(9):1837-9
Surreptitious warfarin ingestion. White ST, et al. **Child Abuse Negl** 1985;9(3):349-52
Effect of warfarin on activated partial thromboplastin time [letter] Burnakis TG. **Clin Pharm** 1985 Nov-Dec;4(6):620-1
Upper-airway obstruction as a complication of oral anticoagulation therapy. Duong TC, et al. **Crit Care Med** 1986 Sep;14(9):830-1
Warfarin-griseofulvin interaction. Okino K, et al. **Drug Intell Clin Pharm** 1986 Apr;20(4):291-3
Comment: Ranitidine and warfarin interaction [letter] Wood JR. **Drug Intell Clin Pharm** 1986 Apr;20(4):314
The congenital warfarin syndrome. Zakzouk MS. **J Laryngol Otol** 1986 Feb;100(2):215-9
Bleeding complications from warfarin anticoagulation in patients with malignancy. Zacharski LR, et al. **J Med** 1985;16(5-6):535-61
Deep venous thrombosis with localized skin necrosis. Brennan M, et al. **J Tenn Med Assoc** 1986 Apr;79(4):210
Interaction between warfarin and phenformin [letter] Hamblin TJ. **Lancet** 1971 Dec 11;2(7737):1323
Mistakes with manufacturers' labelling [letter] Maynard J, et al. **Med J Aust** 1986 Jul 21;145(2):112
A possible cause of hematuria in patients taking warfarin [letter] Fowler WE, et al. **N Engl J Med** 1986 Jul 3;315(1):65
Warfarin-induced skin necrosis. A cutaneous sign of malignancy? Everett RN, et al. **Postgrad Med** 1986 Feb 1;79(2):97-103
Surreptitious ingestion of warfarin. Maharaj D, et al. **Practitioner** 1986 Feb;230(1412):105-8
Problems of anticoagulation with warfarin in hyperthyroidism. Kellett HA, et al. **Q J Med** 1986 Jan;58(225):43-51
An important complication of anticoagulation therapy: a case presentation. Holm RP, et al. **SD J Med** 1985 Oct;38(10):5-8
Influence of mitotane on the hypoprothrombinemic effect of warfarin. Cuddy PG, et al. **South Med J** 1986 Mar;79(3):387-8
Hematomyelia during anticoagulant therapy. Pisani R, et al. **Surg Neurol** 1985 Nov;24(5):578-80
Congenital Dandy Walker malformation associated with first trimester warfarin: a case report and literature review. Kaplan LC. **Teratology** 1985 Dec;32(3):333-7

ANALOGS & DERIVATIVES

New acylated 1,2,4-triazoles as antiviral agents. Somorai T, et al. **Arch Pharm (Weinheim)** 1986 Mar;319(3):238-42

ANALYSIS

Reversed-phase high-performance liquid chromatographic method for the determination of warfarin from biological fluids in the low nanogram range. Steyn JM, et al. **J Chromatogr** 1986 May 28;378(1):254-60

ANTAGONISTS & INHIBITORS

Warfarin and enteral nutrition products [letter] Akrabawi SS. **J Am Diet Assoc** 1986 Aug;86(8):1096

BLOOD

Stereoselective interaction between the R enantiomer of warfarin and cimetidine. Choonara IA, et al. **Br J Clin Pharmacol** 1986 Mar;21(3):271-7
Clinically significant sucralfate-warfarin interaction is not likely [letter] Neuvonen PJ, et al. **Br J Clin Pharmacol** 1985 Aug;20(2):178-80
Amiodarone reduces plasma warfarin clearance in man. Watt AH, et al. **Br J Clin Pharmacol** 1985 Dec;20(6):707-9
Warfarin binding to plasma albumin, measured in patients and related to fatty acid concentrations. Larsen FG, et al. **Eur J Clin Invest** 1986 Feb;16(1):22-7
Screening for the influence of host factors on warfarin clearance using a single dose single sample procedure. Bachmann K. **Int J Clin Pharmacol Ther Toxicol** 1986 Apr;24(4):167-70
Determination of warfarin in human plasma by high performance liquid chromatography and photodiode array detector. Ueland PM, et al. **Ther Drug Monit** 1985;7(3):329-35
[Studies on the protein-binding of drugs with continuous ultrafiltration. 8. In vitro quantification of the interactions of phenprocoumon, warfarin and methylsulfinyl warfarin with phenylbutazone on human serum albumin] Rehse K, et al. **Arch Pharm (Weinheim)** 1986 Mar;319(3):271-4 (Eng. Abstr.) (Ger)

METABOLISM

Binding of warfarin by human albumin in the presence of a perfluorochemical blood substitute. Parsons DL, et al. **Arch Int Pharmacodyn Ther** 1985 Sep;277(1):4-14
Investigation of patients with abnormal response to warfarin. Bentley DP, et al. **Br J Clin Pharmacol** 1986 Jul;22(1):37-41
The warfarin-cimetidine interaction: stereochemical considerations. Toon S, et al. **Br J Clin Pharmacol** 1986 Feb;21(2):245-6
The influence of a graded dose schedule of aminoglutethimide on the disposition of the optical enantiomers of warfarin in patients with breast cancer. Lønning PE, et al. **Cancer Chemother Pharmacol** 1986;17(2):177-81
Pharmacokinetics of warfarin in the nephrotic syndrome and effect on vitamin K-dependent clotting factors. Ganeval D, et al. **Clin Nephrol** 1986 Feb;25(2):75-80
The warfarin-sulfinpyrazone interaction: stereochemical considerations. Toon S, et al. **Clin Pharmacol Ther** 1986 Jan;39(1):15-24
Role of alpha-1 acid glycoprotein, albumin, and nonesterified fatty acids in serum binding of apazone and warfarin. Urien S, et al. **Clin Pharmacol Ther** 1986 Jun;39(6):683-9
Influence of palmitate and oleate on the binding of warfarin to human serum albumin: stopped-flow studies. Rietbrock N, et al. **J Clin Chem Clin Biochem** 1985 Nov;23(11):719-23
Population pharmacokinetics of racemic warfarin in adult patients. Mungall DR, et al. **J Pharmacokinet Biopharm** 1985 Jun;13(3):213-27
Effect of albumin on hepatic uptake of warfarin in normal and analbuminemic mutant rats: analysis by multiple indicator dilution method. Tsao SC, et al. **J Pharmacokinet Biopharm** 1986 Feb;14(1):51-64
Bioavailability of warfarin in a patient with severe short bowel syndrome. Kearns PJ Jr, et al. **JPEN J Parenter Enteral Nutr** 1986 Jan-Feb;10(1):100-1
Suppression of lactation [letter] Walters BN, et al. **Med J Aust** 1986 Apr 14;144(8):448

PHARMACODYNAMICS

The baseline susceptibility levels of Chunya Praomys natalensis, the commonest plague reservoir and crop pest in Tanzania, to warfarin. Kilonzo BS, et al. **Beitr Trop Landwirtsch Veterinarmed** 1985;23(4):417-23
Identification of a warfarin-sensitive protein component in a 200S rat liver microsomal fraction catalyzing vitamin K and vitamin K 2,3-epoxide reduction. Lee JJ, et al. **Biochemistry** 1985 Dec 3;24(25):7063-70
Warfarin administration increases uric acid concentrations in plasma. Menon RK, et al. **Clin Chem** 1986 Aug;32(8):1557-9
Responses of renal and hepatic vitamin K dependent gamma-glutamyl carboxylase substrates to warfarin and vitamin K treatments. Karl PI, et al. **Int J Biochem** 1985;17(12):1313-6
Sequence of the precursor to rat bone gamma-carboxyglutamic acid protein that accumulates in warfarin-treated osteosarcoma cells. Pan LC, et al. **J Biol Chem** 1985 Nov 5;260(25):13398-401
Vitamin K-dependent carboxylation and vitamin K metabolism in liver. Effects of warfarin. Wallin R, et al. **J Clin Invest** 1985 Nov;76(5):1879-84
Field trials of flocoumafen against warfarin-resistant infestations of the Norway rat (Rattus norvegicus Berk.). Buckle AP. **J Hyg (Lond)** 1986 Jun;96(3):467-73
Prolongation by warfarin of "template" bleeding time in rats: a vitamin K-dependent effect. Reyers I, et al. **Proc Soc Exp Biol Med** 1986 Feb;181(2):275-6
Effects of warfarin on blood rheology in navicular disease. Amin TM, et al. **Res Vet Sci** 1986 May;40(3):308-12
The effect of sodium warfarin on rabbit monocyte tissue factor expression. Edwards RL, et al. **Thromb Res** 1986 Apr 15;42(2):125-37
The vitamin K-antagonism of salicylate and warfarin. Roncaglioni MC, et al. **Thromb Res** 1986 Jun 15;42(6):727-36

THERAPEUTIC USE

Duration of warfarin anticoagulant therapy and the probabilities of recurrent thromboembolism and hemorrhage. Petitti DB, et al. **Am J Med** 1986 Aug;81(2):255-9
Successful warfarin anticoagulation despite protein C deficiency and a history of warfarin necrosis. Zauber NP, et al. **Ann Intern Med** 1986 May;104(5):659-60
Anticardiolipin antibody, recurrent thrombosis, and warfarin withdrawal. Asherson RA, et al. **Ann Rheum Dis** 1985 Dec;44(12):823-5
Current concepts of warfarin therapy. Peterson CE, et al. **Arch Intern Med** 1986 Mar;146(3):581-4 (40 ref.)
Effect of warfarin sodium therapy on excretion of 4-carboxy-L-glutamic acid in scleroderma, dermatomyositis, and myositis ossificans progressiva. Moore SE, et al. **Arthritis Rheum** 1986 Mar;29(3):344-51
Effect of warfarin on formation and growth of pre-neoplastic lesions in chemically induced colorectal cancer in the rat. Goeting NL, et al. **Br J Surg** 1986 Jun;73(6):487-9
Lack of effect of influenza vaccine on warfarin anticoagulation in the elderly. Gomolin IH. **Can Med Assoc J** 1986 Jul 1;135(1):39-41
Warfarin versus dipyridamole-aspirin and pentoxifylline-aspirin for the prevention of prosthetic heart valve thromboembolism: a prospective randomized clinical trial. Mok CK, et al. **Circulation** 1985 Nov;72(5):1059-63
Effect of influenza vaccine in patients receiving long-term warfarin therapy. Weibert RT, et al. **Clin Pharm** 1986 Jun;5(6):499-503
Effect of meptazinol on chronic anticoagulant therapy. Ryd-Kjellen E, et al. **Hum Toxicol** 1986 Mar;5(2):101-2

Regression in thromboembolic type of primary pulmonary hypertension during 2 1/2 years of antithrombotic therapy. Cohen M, et al. **J Am Coll Cardiol** 1986 Jan;7(1):172–5
Relationship between protein C antigen and anticoagulant activity during oral anticoagulation and in selected disease states. Vigano D'Angelo S, et al. **J Clin Invest** 1986 Feb; 77(2):416–25
Effects of coumadin on the resolution of canine venous thrombi. Hoffman MJ, et al. **J Surg Res** 1986 Jan;40(1):1–5
Inhibitory effect of warfarin on the metastasis of the PAIII prostatic adenocarcinoma in the rat. Neubauer BL, et al. **J Urol** 1986 Jan;135(1):163–6
Treatment of venous thromboembolic disease. A pragmatic approach to anticoagulation and thrombolysis. Linn BJ, et al. **Postgrad Med** 1986 May 1;79(6):171–80
Warfarin sodium therapy for chronic urticaria and angioedema [letter] Duvall LA, et al. **South Med J** 1986 Mar;79(3):389
Prolonged hospitalization because of inappropriate delay of warfarin therapy in deep venous thrombosis. Westblom TU, et al. **South Med J** 1985 Oct;78(10):1164–7
Prophylaxis against central vein thrombosis with low-dose warfarin. Bern MM, et al. **Surgery** 1986 Feb;99(2):216–21
Factor VIII lability, protein C and other vitamin K-dependent proteins. Takahashi H, et al. **Thromb Res** 1986 Sep 1;43(5):561–8
Antiplatelet drugs improve the patency rates after femoro-popliteal endarterectomy. Bollinger A, et al. **Vasa** 1985;14(3):272–9
[The treatment of podotrochilosis with oral anticoagulants. An instruction insert desired] van den Bogaard AE Jr, et al. **Tijdschr Diergeneeskd** 1985 Aug 15;110(15–16):585–95 (Eng. Abstr.) **(Dut)**
[Therapy of thrombosis: anticoagulant-fibrinolytic therapy] Hasegawa H. **Nippon Rinsho** 1986 May;44(5 Spec No 542):1087–93 (19 ref.) **(Jpn)**
[Studies on the assay method of protein C and changes of vitamin K dependent coagulation factors including protein C in the cases with warfarin treatment] Sakuragawa N, et al. **Rinsho Byori** 1986 Apr;34(4):464–8 **(Jpn)**

TOXICITY

The rabbit as an animal model for warfarin-induced hypoprothrombinemia: the relationship between prothrombin time and prothrombin complex activity. Nagata M, et al. **Chem Pharm Bull (Tokyo)** 1986 Feb; 34(2):813–8

WARTHIN TUMOR see **ADENOLYMPHOMA**

WARTS

see related
PAPILLOMA

Epidermodysplasia verruciformis [letter] el-Hoshy K. **J Am Acad Dermatol** 1986 Apr;14(4):682

CHEMICALLY INDUCED

[Skin diseases among cable workers exposed to mineral oils (letter)] Aaneland T. **Tidsskr Nor Laegeforen** 1986 Apr 30; 106(11):974–5 **(Nor)**

COMPLICATIONS

Epidermodysplasia verruciformis (L-L, 1922) in a patient with systemic lupus erythematosus. Tanigaki T, et al. **Arch Dermatol Res** 1986;278(3):247–8

DIAGNOSIS

Genital warts and cervical cancer. VII. An improved colposcopic index for differentiating benign papillomaviral infections from high-grade cervical intraepithelial neoplasia. Reid R, et al. **Am J Obstet Gynecol** 1985 Nov 15;153(6):611–8
Squamous cell carcinoma of the nail bed treated as chronic paronychia and wart for fourteen years. Fleckman P, et al. **Cutis** 1985 Sep;36(3):189–91
Acrosyringial epidermolytic papulosis neviformis. Zina AM, et al. **Dermatologica** 1985;171(2):122–5
Prevention of cervical cancer [letter] Wilson JD, et al. **Lancet** 1986 Aug 16;2(8503):401
[An immunofluorescence study of the papilloma virus in viral warts] Takeshige M, et al. **Nippon Hifuka Gakkai Zasshi** 1985 Jul;95(8):901–4 **(Jpn)**

DRUG THERAPY

Anthralin stick (Anthraderm) in the treatment of mosaic warts. Hjorth N, et al. **Acta Derm Venereol (Stockh)** 1986; 66(2):181–2
Isotretinoin treatment of recalcitrant warts in an immunosuppressed man [letter] Katz RA. **Arch Dermatol** 1986 Jan;122(1):19–20
Cutaneous toxicity of intralesional bleomycin administration in the treatment of periungual warts [letter] Urbina González F, et al. **Arch Dermatol** 1986 Sep;122(9):974–5
Intralesional recombinant alpha-2 interferon for the treatment of patients with condyloma acuminatum or verruca plantaris. Vance JC, et al. **Arch Dermatol** 1986 Mar;122(3):272–7
Cryotherapy versus podophyllin in the treatment of genital warts. Bashi SA. **Int J Dermatol** 1985 Oct;24(8):535–6
Persisting Raynaud's phenomenon following intralesional bleomycin treatment of finger warts. Epstein E. **J Am Acad Dermatol** 1985 Sep;13(3):468–71
[Treatment of a common wart with sclerotherapy] Kluken N. **Phlebologie** 1985 Oct–Dec;38(4):589 **(Fre)**
[Treatment of verruca vulgaris] Schiazza L, et al. **G Ital Dermatol Venereol** 1986 May–Jun; 121(3):XLIII–XLV (Eng. Abstr.) **(Ita)**
[Treatment of verruca with DNCB] Intrator F, et al. **Med Cutan Ibero Lat Am** 1985;13(5):419–22 (Eng. Abstr.) **(Por)**

ETIOLOGY

Leser-Trélat sign associated with Sézary syndrome [letter] Barth JH, et al. **Cutis** 1986 Jul;38(1):42
Epidermodysplasia verruciformis associated with type II human papilloma virus. Sibrizzi JM, et al. **J Am Podiatr Med Assoc** 1986 Apr;76(4):224–6

IMMUNOLOGY

Peripheral blood lymphocyte subpopulations in patients with viral warts. Betti R, et al. **Acta Derm Venereol (Stockh)** 1986;66(2):155–7
Concepts of wart regression. Bender ME. **Arch Dermatol** 1986 Jun;122(6):644–7
Plane warts under spontaneous regression. Immunopathologic study on cellular constituents leading to the inflammatory reaction. Iwatsuki K, et al. **Arch Dermatol** 1986 Jun;122(6):655–9
[Delayed immune reactivity in patients with genital warts] Scarpa C, et al. **Z Hautkr** 1985 Nov 15;60(22):1809 **(Ger)**

MICROBIOLOGY

Papillomavirus DNA in warts of immunosuppressed renal allograft recipients. Gassenmaier A, et al. **Arch Dermatol Res** 1986;278(3):219–23
An intranuclear virus in epidermodysplasia verruciformis. Electron microscopic studies. Zhang YL, et al. **Chin Med J [Engl]** 1984 Dec;97(12):897–900
Butcher's wart virus (HPV 7) infections in non-butchers. de Villiers EM, et al. **J Invest Dermatol** 1986 Aug; 87(2):236–8
Identification of genital tract papillomaviruses HPV-6 and HPV-16 in warts of the oral cavity. Naghashfar Z, et al. **J Med Virol** 1985 Dec;17(4):313–24
Identification of human papillomavirus types in oral verruca vulgaris. Adler-Storthz K, et al. **J Oral Pathol** 1986 Apr; 15(4):230–3
Epidermodysplasia verruciformis-associated human papillomavirus 8: genomic sequence and comparative analysis. Fuchs PG, et al. **J Virol** 1986 May;58(2):626–34
Detection of papillomavirus DNA in human semen. Ostrow RS, et al. **Science** 1986 Feb 14;231(4739):731–3
Human papillomavirus type 17 DNA in skin carcinoma tissue of a patient with epidermodysplasia verruciformis. Yutsudo M, et al. **Virology** 1985 Jul 15;144(1):295–8

OCCURRENCE

[Plantar warts. Occurrence and cryosurgical treatment] Hansen JG, et al. **Ugeskr Laeger** 1986 Jan 20;148(4):173–4 (Eng. Abstr.) **(Dan)**

PATHOLOGY

Bowenoid papulosis: a recent entity in sexually transmitted diseases. Giam YC, et al. **Ann Acad Med Singapore** 1986 Jan;15(1):15–9
Under heel foot wart. Laffitte F, et al. **Dermatologica** 1985; 171(3):206–8
Condylomata acuminata, giant condyloma acuminatum (Buschke-Loewenstein tumour) and verrucous squamous carcinoma of the perianal and anorectal region: a continuous precancerous spectrum? Bogomoletz WV, et al. **Histopathology** 1985 Nov;9(11):155–69
[Verruciform epidermodysplasia and papillomavirus: 2 case reports. Presence of HPV-5 in a lymph node metastasis] Mathieu A, et al. **Ann Dermatol Venereol** 1985;112(9):741–2 **(Fre)**
[Type-specific morphology of viral papillomas (electron microscopic findings in HPV-1 and HPV-4 warts)] Grussendorf-Conen EI. **Z Hautkr** 1985 Nov 15; 60(22):1745–9 (Eng. Abstr.) **(Ger)**
[Eosinophilic granules of myrmecia] Honda M, et al. **Nippon Hifuka Gakkai Zasshi** 1985 Oct;95(11):1173–85 **(Jpn)**
[Ultrastructure of inclusion bodies in myrmecia] Shimizu N, et al. **Nippon Hifuka Gakkai Zasshi** 1985 Jun;95(7):757–63 **(Jpn)**

RADIOTHERAPY

Radiodermatitis. A result of therapeutic irradiation of verrucae. Bartolomei FJ, et al. **J Am Podiatr Med Assoc** 1986 Mar;76(3):157–60
[Roentgentherapy of warts] Farner B, et al. **Tidsskr Nor Laegeforen** 1986 May 20;106(13):1123–4 **(Nor)**

SURGERY

Improved laser techniques for the elimination of genital and extragenital warts. Baggish MS. **Am J Obstet Gynecol** 1985 Nov 1;153(5):545–50
Scissor excision of penile warts: case report. Simmons PD, et al. **Genitourin Med** 1986 Aug;62(4):277–8
Carbon dioxide laser methodology for ablation of plantar verrucae. Borovoy M, et al. **J Foot Surg** 1985 Nov–Dec; 24(6):431–7

THERAPY

Interferon in papilloma virus infections. Pazin GJ. **Antiviral Res** 1985;Suppl 1:251–7
Treatment of common and plantar viral warts with human lymphoblastoid interferon-alpha—pilot studies with intralesional, intramuscular and dermojet injections. Gibson JR, et al. **Br J Dermatol** 1986 Aug;115 Suppl 31:76–9
Papillomaviruses and interferon. Androphy EJ. **Ciba Found Symp** 1986;120:221–34 (25 ref.)
Therapeutic considerations in the treatment of pedal verrucae. McCarthy DJ. **Clin Podiatr Med Surg** 1986 Jul; 3(3):433–48
Warts [editorial] McCarthy JT. **Cutis** 1986 Aug;38(2):87
Soft laser treatment of warts: a sophisticated placebo [letter] Taïeb A, et al. **Dermatologica** 1986;172(6):329
Warts. Fact and fiction. Anderson FE. **Drugs** 1985 Oct; 30(4):368–75 (10 ref.)
Treatment and outcome of warts. Romm FJ. **J Fam Pract** 1986 Apr;22(4):373–4
Treatment of verrucae vulgaris with alpha 2 interferon. Berman B, et al. **J Infect Dis** 1986 Aug;154(2):328–30
Interferon in the treatment of human papilloma virus. Strander HA. **Med Clin North Am** 1986 May;Suppl:19–23
Warts and other human papillomavirus infections. Mroczkowski TF, et al. **Postgrad Med** 1985 Nov 15; 78(7):91–8
Vaccine therapy of warts in children. Yurdakök M, et al. **Turk J Pediatr** 1985 Apr–Jun;27(2):87–94
[Current therapy of warts] de la Brassinne M, et al. **Rev Med Liege** 1986 May 15;41(10):456–8 **(Fre)**
[Warts in humans. Pathogens—clinical aspects—therapy] Grussendorf-Conen EI. **Med Monatsschr Pharm** 1986 Jun; 9(6):165–71 **(Ger)**
[Treatment of infectious skin diseases by hypnosis] Elitzur B, et al. **Harefuah** 1986 Jan 15;110(2):73–4 (Eng. Abstr.) **(Heb)**
[How many patients with verruca plana juvenilis were getting well?] Uyeda Y. **Nippon Hifuka Gakkai Zasshi** 1985 Aug; 95(9):985–93 **(Jpn)**

TRANSMISSION

Hand warts associated with SMBG [letter] MacAdams MR. **Diabetes Care** 1986 May–Jun;9(3):316–7

VETERINARY

Immunization against bovine papillomavirus infection. Pilacinski WP, et al. **Ciba Found Symp** 1986;120:136–56

WASP VENOMS see under **BEE VENOMS**

WASPS see under **HYMENOPTERA**

WASSERMANN REACTION

[Wassermann reaction in pregnant women in the Hospital de Ribeirão Preto (Brazil) 1976–1981] Barreto SM, et al. **Rev Saude Publica** 1985 Apr;19(2):108–22 (Eng. Abstr.) **(Por)**

WASTE DISPOSAL, FLUID see under **SEWAGE**

WASTE DISPOSAL, SOLID see **REFUSE DISPOSAL**

WASTE PRODUCTS

Chemical destruction and disposal of antineoplastic drugs [letter] Gallelli JF, et al. **Am J Hosp Pharm** 1986 Jul; 43(7):1679
Health risks associated with wastewater irrigation: an epidemiological study. Fattal B, et al. **Am J Public Health** 1986 Aug;76(8):977–9
Wastewater recycling and reuse [editorial] Straub CP. **Am J Public Health** 1986 Aug;76(8):960–2
Single-cell protein. Vasey RB, et al. **Biotechnol Genet Eng Rev** 1984;2:285–311 (20 ref.)
EPA to respond to industry confusion over infectious-waste guidelines. **Hospitals** 1985 Dec 1;59(23):63
Laboratory decontamination and destruction of carcinogens in laboratory wastes: some antineoplastic agents. International Agency for Research on Cancer. **IARC Sci Publ** 1985;(73):1–162 (196 ref.)
Plate waste in a hospital cook-freeze production system. Frakes EM, et al. **J Am Diet Assoc** 1986 Jul;86(7):941–2
A simple disposal method for radioactive xenon [letter] Burch WM. **J Nucl Med** 1986 Aug;27(8):1374
Oncology waste management. Dugan WM, et al. **Prog Clin Biol Res** 1986;216:303–10
Tracers of sewage sludge in the marine environment: a review. Vivian CM. **Sci Total Environ** 1986 Aug; 53(1–2):5–40 (274 ref.)
[Collection and removal of wastes in dentistry] Grossmann G, et al. **Z Gesamte Hyg** 1985 Dec;31(12):672–4 (8 ref.) (Eng. Abstr.) **(Ger)**

[Mineralization activity of microorganisms in refuse from medical consulting rooms and in municipal refuse] Filip Z, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Dec; 181(6):548–55 (Eng. Abstr.) **(Ger)**

[Mineralization of refuse from medical consulting rooms and municipal refuse in a model landfill] Filip Z, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Dec; 181(6):556–62 (Eng. Abstr.) **(Ger)**

[Microbiological studies of the contamination of hospital waste and household refuse] Möse JR, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Jun; 181(1–2):98–110 (Eng. Abstr.) **(Ger)**

[Microbiological studies of waste from medical practice and household refuse] Trost M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Jun; 181(1–2):159–72 (Eng. Abstr.) **(Ger)**

[Behavior of microorganisms in wastes from medical practice and household refuse deposited in a model landfill] Trost M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Jun; 181(1–2):173–83 (Eng. Abstr.) **(Ger)**

[Evaluation of decontamination using an apparatus for decontamination of liquid radioactive waste in in vitro tests] Ito K, et al. **Radioisotopes** 1985 Oct;34(10):567–9 **(Jpn)**

ADVERSE EFFECTS

[Public health problems concerning ground water from old waste deposits] Kerndorff H, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1985;65:367–76 **(Ger)**

WATER

see related
BODY WATER
MINERAL WATERS

Comparison of microbiological contents of compressed air in two Danish hospitals. Effect of oil and water reduction in air–generating units. Oberg B, et al. **Acta Anaesthesiol Scand** 1986 May;30(4):305–8

Water and proteins. II. The location and dynamics of water in protein systems and its relation to their stability and properties. Edsall JT, et al. **Adv Biophys** 1983;16:53–183 (308 ref.)

Plant viruses in rivers and lakes. Koenig R. **Adv Virus Res** 1986;31:321–33 (65 ref.)

Pancreatic pseudomass caused by the second portion of the duodenum: a pitfall during water–aided sonography (technical note). Op den Orth JO. **AJR** 1986 Aug; 147(2):281–2

Whole–body calcium flux rates in cichlid teleost fish Oreochromis mossambicus adapted to freshwater. Flik G, et al. **Am J Physiol** 1985 Oct;249(4 Pt 2):R432–7

Water and the psychotic world. Schved J, et al. **Am J Psychother** 1985 Oct;39(4):553–63

The role of human water contact patterns in the transmission of schistosomiasis in an informal settlement near a major industrial area. Kvalsvig JD, et al. **Ann Trop Med Parasitol** 1986 Feb;80(1):13–26

Terpene cyclase catalysis in organic solvent/minimal water media: demonstration and optimization of (+)–alpha–pinene cyclase activity. Wheeler CJ, et al. **Arch Biochem Biophys** 1986 Jul;248(1):429–34

Hidden sources of fluid and sodium intake in ill newborns. Noble–Jamieson CM, et al. **Arch Dis Child** 1986 Jul; 61(7):695–6

Fresh water swimming as a risk factor for otitis externa: a case–control study. Springer GL, et al. **Arch Environ Health** 1985 Jul–Aug;40(4):202–6

Effect of varnishes and other surface treatments on water movement across the glass–ionomer cement surface. Earl MS, et al. **Aust Dent J** 1985 Aug;30(4):298–301

Detection by high pressure infrared spectrometry of hydrogen–bonding between water and triacetyl glycerol. Mushayakarara EC, et al. **Biochem Biophys Res Commun** 1986 Jan 14;134(1):140–5

An evaluation of the hydration of lysozyme by an NMR titration method. Fullerton GD, et al. **Biochim Biophys Acta** 1986 Feb 14;869(3):230–46

The failure of hydrodynamic analysis to define pore size in cell membranes. Galey WR, et al. **Biochim Biophys Acta** 1985 Sep 10;818(3):425–8

On the water and proton permeabilities across membranes from erythrocyte ghosts. Pitterich H, et al. **Biochim Biophys Acta** 1985 Dec 5;821(2):233–42

Interaction of radicals from water radiolysis with melanin. Sarna T, et al. **Biochim Biophys Acta** 1986 Aug 6; 883(1):162–7

Deuterium oxide (D2O) enhances the photosensitivity of Stentor coeruleus. Iwatsuki K, et al. **Biophys J** 1985 Dec; 48(6):1045–8

The impact of filtration on water quality in wading pools. Johnson IL, et al. **Can J Public Health** 1985 Sep–Oct; 76(5):317–21

Effect of water supplementation of full–term newborns on arrival of milk in the nursing mother. Schutzman DL, et al. **Clin Pediatr (Phila)** 1986 Feb;25(2):78–80

Water sorption by proteins: milk and whey proteins. Kinsella JE, et al. **CRC Crit Rev Food Sci Nutr** 1986;24(2):91–139 (157 ref.)

Aquagenic angioedema. Parks A, et al. **Cutis** 1986 Jun; 37(6):465–6

A comparative study on pesticide formulations for application in running waters. Bahadir M, et al. **Ecotoxicol Environ Safety** 1985 Oct;10(2):197–201

On the reported deviations of the stopping cross section of water vapor from the Bragg additivity rule. Kamaratos E. **Health Phys** 1986 Jan;50(1):73–7

Water irrigating devices for the orthodontic patient. Attarzadeh F. **Int J Orthod** 1986 Spring;24(1–2):15–20 (53 ref.)

Chemical reactions by pulsed ultrasound: memory effects in the formation of NO3– and NO2– in aerated water. Henglein A, et al. **Int J Radiat Biol** 1986 Sep;50(3):527–33

The energy cost of human locomotion on land and in water. di Prampero PE. **Int J Sports Med** 1986 Apr;7(2):55–72 (77 ref.)

Ultrasonic nonlinear parameters and sound speed of alcohol–water mixtures. Sehgal CM, et al. **J Acoust Soc Am** 1986 Feb;79(2):566–70

Contribution of water and diet supplements to nutrient intake. Sowers MR, et al. **J Am Diet Assoc** 1986 Sep;86(9):1192–5

Protein synthesis and proteolysis in immobilized cells of the cyanobacterium Nostoc commune UTEX 584 exposed to matric water stress. Potts M. **J Bacteriol** 1985 Dec; 164(3):1023–31

1H–NMR of reverse micelles. I: The surfactant resonances as probes for the AOT/water/isooctane system. De Marco A, et al. **J Biochem Biophys Methods** 1986 Jun; 12(5–6):325–33

1H–NMR of reverse micelles. II: Conformational studies of peptides and proteins in the AOT/water/isooctane system. De Marco A, et al. **J Biochem Biophys Methods** 1986 Jun; 12(5–6):335–47

The systematic characterization by aqueous column chromatography of solutes which affect protein stability. Washabaugh MW, et al. **J Biol Chem** 1986 Sep 25; 261(27):12477–85

Respiratory metabolism of L–929 cells at different water contents and volumes. Clegg JS, et al. **J Cell Physiol** 1985 Aug;124(2):299–304

Effects of drinking water temperature on physiological responses of lactating Holstein cows in summer. Lanham JK, et al. **J Dairy Sci** 1986 Apr;69(4):1004–12

Effects of drinking water temperature on production responses in lactating Holstein cows in summer. Milam KZ, et al. **J Dairy Sci** 1986 Apr;69(4):1013–9

Effect of drinking water temperature on heat stress of dairy cows. Stermer RA, et al. **J Dairy Sci** 1986 Feb;69(2):546–51

Fatigue of dental ceramics in a simulated oral environment. Morena R, et al. **J Dent Res** 1986 Jul;65(7):993–7

Settling of larvicidal material in Bacillus thuringiensis israelensis serotype H–14 formulations sprayed on water surface. el–Husseini MM, et al. **J Egypt Soc Parasitol** 1986 Jun;16(1):243–7

Quantitative measurements of radiation damage to hydrated specimens observed in a wet gas environment. Fukushima K, et al. **J Electron Microsc (Tokyo)** 1982;31(2):119–26

Occurrence of Simulium (Edwardsellum) damnosum s.l. (Diptera: Simuliidae) in nine river systems in Kenya. Mebrahtu Y, et al. **J Med Entomol** 1986 Jan 24;23(1):110–1

Low temperature light microscopy and its application to study freezing in aqueous solutions and biological cell suspensions. Körber C, et al. **J Microsc** 1986 Mar;141 (Pt 3):263–76

Solvation of the left–handed hexamer d(5BrC–G–5BrC–G–5BrC–G) in crystals grown at two temperatures. Chevrier B, et al. **J Mol Biol** 1986 Apr 20;188(4):707–19

Food and water interrelations and the protein requirement for growth of an altricial bird, the cockatiel (Nymphicus hollandicus). Roudybush TE, et al. **J Nutr** 1986 Apr; 116(4):552–9

Water and solute imbalance in oral rehydration [editorial] Finberg L. **J Pediatr Gastroenterol Nutr** 1986 Jan;5(1):4–5

Octanol–water partition coefficients of substituted alpha, N–diphenylnitrones and benzonitrile N–oxides. Kirchner JJ, et al. **J Pharm Sci** 1985 Oct;74(10):1129–30

Isolation of Naegleria australiensis from an Oklahoma Lake. John DT, et al. **J Protozool** 1985 Nov;32(4):571–5

Seasonal distribution of thermotolerant free–living amoebae. I. Willard's Pond. Kyle DE, et al. **J Protozool** 1986 Aug; 33(3):422–34

Aldicarb sulfoxide/aldicarb sulfone mixture in drinking water of rats: effects on growth and acetylcholinesterase activity. DePass LR, et al. **J Toxicol Environ Health** 1985; 16(2):163–72

Mechanisms of tissue damage resulting from the use of oral water irrigation devices. Reddy NP, et al. **Med Hypotheses** 1985 Dec;18(4):417–23

A method of calculating high–energy photon primary absorbed dose in water using forward and backward spread dose–distribution functions. Iwasaki A. **Med Phys** 1985 Nov–Dec;12(6):731–7

Special ergometric techniques and weight reduction. Sheldahl LM. **Med Sci Sports Exerc** 1986 Feb;18(1):25–30

Electron paramagnetic resonance methods for measuring H+/OH– fluxes across phospholipid vesicles. Cafiso DS. **Methods Enzymol** 1986;127:502–10

Simulations of complex chemical systems. Clementi E. **Methods Enzymol** 1986;127:114–40

Antifreeze glycopeptides and peptides: interactions with ice and water. DeVries AL. **Methods Enzymol** 1986; 127:293–303

Nuclear magnetic resonance study of water interactions with proteins, biomolecules, membranes, and tissues. Fung BM. **Methods Enzymol** 1986;127:151–61

Calorimetric methods for measurement of interactions of biomolecules with water. Kresheck GC. **Methods Enzymol** 1986;127:141–50

Structural chemistry of biomolecular hydration via computer simulation: the proximity criterion. Mezei M, et al. **Methods Enzymol** 1986;127:21–47

Correlation of protein dynamics with water mobility: Mössbauer spectroscopy and microwave absorption methods. Parak F. **Methods Enzymol** 1986;127:196–206

Theoretical methods for obtaining free energies of biomolecular equilibria in aqueous solutions. Pohorille A, et al. **Methods Enzymol** 1986;127:64–78

Theoretical and computational studies of hydrophobic interactions. Pratt LR, et al. **Methods Enzymol** 1986; 127:48–63

Determination of water structure around biomolecules using X–ray and neutron diffraction methods. Savage H, et al. **Methods Enzymol** 1986;127:162–83

Depth of water penetration into lipid bilayers. Simon SA, et al. **Methods Enzymol** 1986;127:511–21

Vibrational methods for water structure in nonpolar media. Strauss HL. **Methods Enzymol** 1986;127:106–13

Deuteration as a tool in investigating the role of water in the structure and function of excitable membranes. Vasilescu V, et al. **Methods Enzymol** 1986;127:662–78

Anesthetics release unfreezable and bound water in partially hydrated phospholipid lamellar systems and elevate phase transition temperature. Ueda I, et al. **Mol Pharmacol** 1986 Jun;29(6):582–8

The effect of hydration water temperature on orthopedic plaster cast strength. Callahan DJ, et al. **Orthopedics** 1986 May;9(5):683–5

Influence of formulation on sunscreen water resistance. Leroy D, et al. **Photodermatol** 1986 Feb;3(1):52–3

Convection currents in a water calorimeter. Schulz RJ, et al. **Phys Med Biol** 1985 Oct;30(10):1093–9

Stimulation of rat bladder epithelial DNA synthesis by intravesical instillation of distilled water. Ozono S, et al. **Proc Soc Exp Biol Med** 1986 Jul;182(3):325–7

Induction of neoplastic transformation by low–dose–rate exposure to tritiated water. Little JB. **Radiat Res** 1986 Aug; 107(2):225–33

Calculation of heavy–ion tracks in liquid water. Hamm RN, et al. **Radiat Res [Suppl]** 1985;8:S20–6

Early production of radicals from charged particle tracks in water. Mozumder A. **Radiat Res [Suppl]** 1985;8:S33–9

Using the same exposure factors for wet and dry casts. Gratale P, et al. **Radiol Technol** 1986 Mar–Apr;57(4):325–8

Laboratory transmission of Schistosoma mansoni in brackish waters; survival and infectivity of cercariae. Oyerinde JP, et al. **Trop Geogr Med** 1986 Sep;38(3):240–3

Schistosomiasis in a mining area: intersectoral implications. Polderman AM. **Trop Med Parasitol** 1986 Jun;37(2):195–9

[Lumbar pain in parturient women treated with sterile water injections] Trolle GB, et al. **Ugeskr Laeger** 1986 May 12; 148(20):1200–2 (Eng. Abstr.) **(Dan)**

[The chironomid problem (Diptera, Chironomidae) in the Lagoon of Venice] Ferrarese U, et al. **Ann Ist Super Sanita** 1986;22(1):129–36 (Eng. Abstr.) **(Ita)**

[Calcium and phosphorus in relation to the water for diluting milk in the 1st months of life] Chiaffoni GP, et al. **Minerva Pediatr** 1986 May 31;38(10):385–9 (Eng. Abstr.) **(Ita)**

[Changes in water–electrolyte balance induced by administration of bicarbonate–alkaline earth water in patients with nephrolithiasis] Albertazzi A, et al. **Minerva Urol Nefrol** 1985 Apr–Jun;37(2):221–31 **(Ita)**

[Studies on the direct synthesis of [O–15]–H2O] Hagami E, et al. **Kaku Igaku** 1986 Apr;23(4):351–8 (Eng. Abstr.) **(Jpn)**

[Relation between the lipid composition and changes in the compressibility of phospholipid monolayers caused by substitution of H2O with D2O] Kremlev IN, et al. **Biofizika** 1986 Jan–Feb;31(1):35–6 (Eng. Abstr.) **(Rus)**

[Industrial hygiene problems in salt mining (lakes and ponds)] Kvartovkina LK, et al. **Gig Tr Prof Zabol** 1985 Aug; (8):37–40 **(Rus)**

[Study of dynamic properties of water in poly(A) and poly(U) solutions by proton magnetic resonance] Sharimanov IuG, et al. **Mol Biol (Mosk)** 1985 Nov–Dec;19(6):1620–5 (Eng. Abstr.) **(Rus)**

[Normal killer function in CBA mice as affected by long–term intake of tritium oxide] Kirillova EN. **Radiobiologiia** 1985 Nov–Dec;25(6):792–5 (Eng. Abstr.) **(Rus)**

[Granulocytopoiesis during the development of radiation injury from prolonged intake of tritium oxide] Murzina LD, et al. **Radiobiologiia** 1985 Nov–Dec;25(6):832–6 (Eng. Abstr.) **(Rus)**

[Relative biological effectiveness of tritium oxide based on nucleic acid metabolic indices] Shorokhova VB, et al. **Radiobiologiia** 1985 Sep–Oct;25(5):622–5 (Eng. Abstr.) **(Rus)**

[The use of a model water–lipid system for the study of the electric function of Ca2+, Mg2+–ATPase of the sarcoplasmic reticulum] Voitsitskii VM, et al. **Ukr Biokhim Zh** 1986 Jan–Feb;58(1):79–82 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

The use of methacholine inhalation, methacholine skin

testing, distilled water inhalation challenge and eosinophil counts in the evaluation of patients presenting with cough and/or nonwheezing dyspnea. Cohen RM, et al. **Ann Allergy** 1986 Apr;56(4):308–12

Hyperosmolar coma treated with intravenous sterile water. A study of three cases. Worthley LI. **Arch Intern Med** 1986 May;146(5):945–7

Effect of intragastric and intraperitoneal water and saline loads on the pharmacologic induction of drinking in rats. Fregly MJ, et al. **Brain Res Bull** 1986 Mar;16(3):407–14

Effect of intraperitoneal and intragastric loading with water and isosmotic solutions of saline and glucose on water intake of dehydrated rats. Fregly MJ, et al. **Brain Res Bull** 1986 Mar;16(3):415–20

[One week on breast milk and water only. Changes in the feeding routine at a maternity ward] Rivrud GN, et al. **Tidsskr Nor Laegeforen** 1985 Nov 30;105(33):2395–8 (Eng. Abstr.) (Nor)

ADVERSE EFFECTS

Re: "Congenital malformations and maternal drinking water supply in rural South Australia: a case–control study" [letter] Arbuckle TE, et al. **Am J Epidemiol** 1986 Aug; 124(2):344

Water–induced itching without cutaneous signs. Aquagenic pruritus. Kligman AM, et al. **Arch Dermatol** 1986 Feb; 122(2):183–6

Baking soda baths for aquagenic pruritus [letter] Bayoumi AH, et al. **Lancet** 1986 Aug 23;2(8504):464

ANALYSIS

Elimination of the effects of interferents on the quantitative determination of deuterium oxide in biological samples of infrared photometry. Arnold RN, et al. **Analyst** 1986 Jun; 111(6):661–4

Isolation of protozoa from water associated with a legionellosis outbreak and demonstration of intracellular multiplication of Legionella pneumophila. Barbaree JM, et al. **Appl Environ Microbiol** 1986 Feb;51(2):422–4

Anomalies in mineralization of low concentrations of organic compounds in lake water and sewage. Hoover DG, et al. **Appl Environ Microbiol** 1986 Feb;51(2):226–32

Oxygen–17 and deuterium nuclear magnetic resonance studies of lysozyme hydration. Lioutas TS, et al. **Arch Biochem Biophys** 1986 May 15;247(1):68–75

Heavy metal toxicity to fish and the influence of water hardness. Pascoe D, et al. **Arch Environ Contam Toxicol** 1986 Sep;15(5):481–7

A rapid analytical technique for the determination of energy expenditure by the doubly labelled water method. Barrie A, et al. **Biomed Mass Spectrom** 1985 Sep;12(9):535–41

A theory and a model for interpreting the proton nuclear magnetic resonance spectra of water in plant leaves. McCain DC, et al. **Biophys J** 1985 Nov;48(5):687–94

Heavy metal content of rainwater in Geneva, New York, during 1983. Aten CF, et al. **Bull Environ Contam Toxicol** 1986 Jun;36(6):918–23

Sources and transport of organochlorine compounds and heavy metals into waters of the National Park of Doñana. Baluja G, et al. **Bull Environ Contam Toxicol** 1985 Oct; 35(4):482–9

Survival of Salmo gairdneri (rainbow trout) in the zinc polluted Molonglo River near Captains Flat, New South Wales, Australia. Graham GA, et al. **Bull Environ Contam Toxicol** 1986 Feb;36(2):186–91

Temephos residues in stagnant ponds after mosquito larvicide applications by helicopter. Lores EM, et al. **Bull Environ Contam Toxicol** 1985 Sep;35(3):308–13

Soil water samplers in ion balance studies on acidic forest soils. Rasmussen L, et al. **Bull Environ Contam Toxicol** 1986 Apr;36(4):563–70

Mortality of smolt of Atlantic salmon, Salmo salar L., at low levels of aluminium in acidic softwater. Skogheim OK, et al. **Bull Environ Contam Toxicol** 1986 Aug;37(2):258–65

Possible sediment scavenging of chlordane and contamination of the aquatic biota in Belmont Lake, New York. Wood LW, et al. **Bull Environ Contam Toxicol** 1986 Feb; 36(2):159–67

Isotopic light scattering of lipid vesicles. Water permeation and effect of alpha–tocopherol. Engelbert HP, et al. **Chem Phys Lipids** 1985 Nov–Dec;38(4):365–79

Sources and speciation of aluminium and silicon in natural waters. Farmer VC. **Ciba Found Symp** 1986;121:4–23

Proton chemical shift imaging. Zimmermann BH, et al. **Diagn Imag Clin Med** 1986;55(1–2):20–4

The biochemistry of water from unripe coconuts obtained from two localities in Tanzania. Msengi AE, et al. **East Afr Med J** 1985 Oct;62(10):725–9

Octanol:water partition coefficients (P): measurement, estimation, and interpretation, particularly for chemicals with P greater than 10(5). Brooke DN, et al. **Ecotoxicol Environ Safety** 1986 Jun;11(3):251–60

Toxicology of selenium in a freshwater reservoir: implications for environmental hazard evaluation and safety. Lemly AD. **Ecotoxicol Environ Safety** 1985 Dec; 10(3):314–38

The determination of intracellular water space by NMR. Shinar H, et al. **FEBS Lett** 1985 Nov 25;193(1):75–8

Brain water and aging. Cohadon F, et al. **Gerontology** 1986; 32 Suppl 1:46–9

The phytic acid mineral, trace element, protein and moisture content of UK Asian immigrant foods. Davies NT, et al. **Hum Nutr Appl Nutr** 1986 Feb;40(1):49–59

Two–dimensional treatment of dispersion of pollutants in rivers. de Vilhena MT, et al. **Int J Appl Radiat Isot** 1985 Jul;36(7):569–72

Hydrocarbons and aromatic hydrocarbons in groundwater surrounding an earthen waste disposal pit for produced water in the Duncan oil field of New Mexico. Eiceman GA, et al. **Int J Environ Anal Chem** 1986;24(2):143–62

Quantitative determination of trace concentration of organics in water by solvent extraction and fused silica capillary gas chromatography: aliphatic and polynuclear hydrocarbons. González Bravo L, et al. **Int J Environ Anal Chem** 1986;24(4):305–18

Fate of atrazine and trifluralin from an industrial waste dumping at the Llobregat River. Presence in fish, raw and finished water. Rivera J, et al. **Int J Environ Anal Chem** 1986;24(3):183–91

Consumption of simulated acid mine water by sheep. Horvath DJ. **J Anim Sci** 1985 Aug;61(2):474–9

Automated methods for determination of fat and moisture in meat and poultry products: collaborative study. Bostian ML, et al. **J Assoc Off Anal Chem** 1985 Sep–Oct; 68(5):876–80

Dietary and biochemical aspects of patients with urolithiasis in and around Coimbatore. Bakthavathsalam G, et al. **J Indian Med Assoc** 1985 Apr;83(4):105–8

Role of water in the aging of aluminum hydroxide suspensions. Morefield EM, et al. **J Pharm Sci** 1986 Apr; 75(4):403–6

A review of, and improvements to, the techniques of trace element analysis of raw water for home dialysis. Cameron AP, et al. **Life Support Syst** 1986 Jan–Mar;4(1):1–13

Penumbral measurements in water for high–energy x rays. Dawson DJ, et al. **Med Phys** 1986 Jan–Feb;13(1):101–4

Quantitation of water in membranes by neutron diffraction and X–ray techniques. Knott RB, et al. **Methods Enzymol** 1986;127:217–29

Effect of salinity on the behavior and oxygen consumption of Mugil curema (Pisces, Mugilidae). Fanta–Feofiloff E, et al. **Physiol Behav** 1986;36(6):1029–34

A method for the determination of tritium in environmental water samples by electrolytic enrichment. Konno T, et al. **Radioisotopes** 1986 Jan;35(1):1–8

Natural radionuclides in mineral waters. Gans I. **Sci Total Environ** 1985 Oct;45:93–9

A sensitive chromogenic Limulus amoebocyte lysate micro–assay for detection of endotoxin in human plasma and in water. Piotrowicz BI, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1985 Aug; 260(1):108–12

[Determination of anionic surfactants in water with a high salt content] Yang Y. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1984 Nov; 18(6):362–3 (Chi)

[Microflora of fresh water] Van Dijck P, et al. **Arch Belg** 1985;43(3–4):168–76 (Eng. Abstr.) (Dut)

[The water, fat and protein determination in milk powder with the NIR reflection apparatus "Infrapid 31" Fuhrmann J, et al. **Nahrung** 1986;30(3–4):455–7 (Ger)

[Experiences with bathing water purification in accordance with the Regulation of Technological Standards No. 37780] Jessen HJ. **Z Gesamte Hyg** 1986 Mar;32(3):171–4 (Eng. Abstr.) (Ger)

[The effects of nutrients in lake sediment on the eutrophication of lakes—features in the distribution of nutrients in the sediment of Lake Suwa and their behavior] Kono Y. **Nippon Eiseigaku Zasshi** 1986 Feb;40(6):892–902 (Eng. Abstr.) (Jpn)

[Concentration osmometer for determining the amount of water bound to the macromolecular substrate of blood substitutes] Mikhallova LG, et al. **Med Tekh** 1986 May–Jun; (3):39–40 (Eng. Abstr.) (Rus)

[Effect of hyperbaric oxygenation on the water content of brain tissue in experimental toxic cerebral edema] Isakov IuV, et al. **Zh Nevropatol Psikhiatr** 1985;85(12):1786–9 (Eng. Abstr.) (Rus)

[Effect of hyperbaric oxygenation on total water content of brain tissue in experimental traumatic edema of the brain] Isakov IuV, et al. **Zh Vopr Neirokhir** 1986 Jan–Feb;(1):25–7 (Eng. Abstr.) (Rus)

BIOSYNTHESIS

Isolation and properties of an H2O–forming NADH oxidase from Streptococcus faecalis. Schmidt HL, et al. **Eur J Biochem** 1986 Apr 1;156(1):149–55

DIAGNOSTIC USE

Arginine vasopressin and the renal response to water loading in congestive heart failure. Goldsmith SR, et al. **Am J Cardiol** 1986 Aug 1;58(3):295–9

Energy expenditure by doubly labeled water: validation in humans and proposed calculation. Schoeller DA, et al. **Am J Physiol** 1986 May;250(5 Pt 2):R823–30

Bronchoconstriction induced by distilled water. Sensitivity in asthmatics and relationship to exercise–induced bronchospasm. Bascom R, et al. **Am Rev Respir Dis** 1986 Aug;134(2):248–53

Effects of pulmonary inhalation of water and histamine aerosols on nasal airflow resistance in man. Bundgaard A, et al. **Eur J Respir Dis** 1986 Apr;68(4):248–55

Cerebral blood flow with the continuous infusion of oxygen–15–labeled water. Jones SC, et al. **J Cereb Blood Flow Metab** 1985 Dec;5(4):566–75

Cholesterol metabolism: use of D2O for determination of synthesis rate in cell culture. Esterman AL, et al. **J Lipid Res** 1985 Aug;26(8):950–4

Effect of maternal glucose ingestion compared with maternal water ingestion on the nonstress test. Druzin ML, et al. **Obstet Gynecol** 1986 Mar;67(3):425–6

[Gas and water cystometry. A comparative study] Sørensen SM. **Ugeskr Laeger** 1986 Jan 13;148(3):127–8 (Eng. Abstr.) (Dan)

[Reappraisal of the water test in adrenocortical exploration] Samaille V, et al. **Presse Med** 1985 Oct 12;14(34):1783–6 (Eng. Abstr.) (Fre)

[Failure to form wrinkles on the finger tips in the warm water test in lepromatous nerve damage] Mende B. **Z Hautkr** 1985 Dec 15;60(24):1961–4 (Eng. Abstr.) (Ger)

[A gas chromatographic measurement of total body water in patients on maintenance hemodialysis using deuterium oxide] Ogawa H, et al. **Nippon Jinzo Gakkai Shi** 1986 Feb; 28(2):185–90 (Eng. Abstr.) (Jpn)

ISOLATION & PURIFICATION

[Methods and importance of the separation of lipids and water in NMR tomography] Matthaei D, et al. **Dtsch Med Wochenschr** 1985 Oct 25;110(43):1666–70 (Ger)

METABOLISM

Time–course of changes in water, sodium, potassium and calcium contents of various brain regions in rats after systemic kainic acid administration. Sztriha L, et al. **Acta Neuropathol (Berl)** 1986;70(2):169–76

Comparison of the doubly labeled water (2H2(18)O) method with indirect calorimetry and a nutrient–balance study for simultaneous determination of energy expenditure, water intake, and metabolizable energy intake in preterm infants. Roberts SB, et al. **Am J Clin Nutr** 1986 Sep;44(3):315–22

Validation of doubly labeled water for measuring energy expenditure during parenteral nutrition. Schoeller DA, et al. **Am J Clin Nutr** 1986 Aug;44(2):291–8

Effects of taurodeoxycholate on in vivo water and solute transport in rat jejunum in absence and presence of calcium. Ammon HV, et al. **Am J Physiol** 1986 Feb;250(2 Pt 1):G248–51

Endothelial extraction of tracer water is independent of temperature in dog lungs. Chinard FP, et al. **Am J Physiol** 1986 Jun;250(6 Pt 2):H1017–21

Diluting segment in avian kidney. II. Water and chloride transport. Miwa T, et al. **Am J Physiol** 1986 Mar;250(3 Pt 2):R341–7

Effects of volume expansion on renal nerve activity, renal blood flow, and sodium and water excretion in conscious dogs. Morita H, et al. **Am J Physiol** 1985 Nov;249(5 Pt 2):F680–7

Water permeability and fluidity of renal basolateral membranes. Verkman AS, et al. **Am J Physiol** 1986 Apr; 250(4 Pt 2):F633–43

Water and electrolyte absorption from a human Thiry–Vella ileal loop. Responses to systemic administration of gastrin, glucagon, secretin, and cholecystokinin. Lai EC, et al. **Ann Surg** 1986 Apr;203(4):434–8

Role of water in processes of energy transduction: Ca2+–transport ATPase and inorganic pyrophosphatase. de Meis L. **Biochem Soc Symp** 1985;50:97–125 (105 ref.)

Functional and structural aspects of photosynthetic water oxidation. Renger G, et al. **Biochem Soc Trans** 1986 Feb; 14(1):17–20

Target analysis studies of red cell water and urea transport. Dix JA, et al. **Biochim Biophys Acta** 1985 Dec 5; 821(2):243–52

Observations on the elimination of water from 2–hydroxy acids in the metabolism of amino acids by Clostridium sporogenes. Machacek–Pitsch C, et al. **Biol Chem Hoppe Seyler** 1985 Nov;366(11):1057–62

Effect of lithium on RBC water permeability [letter] Ballast CL, et al. **Biol Psychiatry** 1986 Apr;21(4):426–7

Lithium and RBC water permeability [letter] Ballast CL, et al. **Biol Psychiatry** 1985 Dec;20(12):1336–7

Unidirectionality of the water exchange between mother and 19–day fetus in the rat. Romeu A, et al. **Biol Res Pregnancy Perinatol** 1986;7(1):43–6

The flow and dispersion of water in the vascular network of dicotyledonous leaves. Jeje AA. **Biorheology** 1985; 22(4):285–302

Effect of dietary protein concentration and ambient temperature on the energy, protein and water metabolism of the rat. Harri M, et al. **Br J Nutr** 1985 Mar;53(2):363–72

Carrier–mediated KCl accumulation accompanied by water movements is involved in the control of physiological K+ levels by astrocytes. Walz W, et al. **Brain Res** 1985 Sep 16;343(1):44–51

Pentavalent antimonial inhibition of the osmotic effect of oxytocin on the isolated toad bladder. Gagliardi AR, et al. **Braz J Med Biol Res** 1985;18(4):567–71

Water on apatites. Misra DN. **Calcif Tissue Int** 1986 Jun; 38(6):333–8

Somatostatin and water excretion in man: an intrarenal action. Walker BJ, et al. **Clin Endocrinol (Oxf)** 1985 Aug; 23(2):169–74

Renal water excretion before and after remission of nephrotic syndrome: relationship between free water clearance and kidney function, arginine vasopressin, angiotensin II and aldosterone in plasma before and after oral water loading. Pedersen EB, et al. **Clin Sci** 1986 Jul;71(1):97–104

The effect of lipids on transepidermal water permeation in snakes. Burken RR, et al. **Comp Biochem Physiol [A]** 1985; 81(2):213–6

The effect of 4 barrier creams on the absorption of water, benzene, and formaldehyde into excised human skin. Lodén M. **Contact Dermatitis** 1986 May;14(5):292–6

Filaggrin breakdown to water binding compounds during development of the rat stratum corneum is controlled by the water activity of the environment. Scott IR, et al. **Dev Biol** 1986 May;115(1):84–92

Acetate and citrate stimulate water and sodium absorption in the human jejunum. Rolston DD, et al. **Digestion** 1986; 34(2):101–4

[17O]Water and nitric oxide binding by protocatechuate 4,5–dioxygenase and catechol 2,3–dioxygenase. Evidence for binding of exogenous ligands to the active site Fe2+ of extradiol dioxygenases. Arciero DM, et al. **J Biol Chem** 1985 Nov 15;260(26):14035–44

Quantitative relationships between aggregation of IgE receptors, generation of intracellular signals, and histamine secretion in rat basophilic leukemia (2H3) cells. Enhanced responses with heavy water. Maeyama K, et al. **J Biol Chem** 1986 Feb 25;261(6):2583–92

Paracellular water uptake and molecular sieving by the foot epithelium of terrestrial slugs. Uglem GL, et al. **J Comp Physiol [B]** 1985;156(2):285–9

Deuterium oxide dilution kinetics to predict body composition in dairy goats. Brown DL, et al. **J Dairy Sci** 1986 Apr;69(4):1151–5

Fluid transport across the epiblast of the early chick embryo. Stern CD, et al. **J Embryol Exp Morphol** 1985 Aug; 88:365–84

Differential scanning calorimetric studies on the melting behavior of water in stratum corneum. Inoue T, et al. **J Invest Dermatol** 1986 Jun;86(6):689–93

The roles of paracellular and transcellular pathways and submucosal space in isotonic water absorption by rabbit ileum. Naftalin RJ, et al. **J Physiol (Lond)** 1986 Jan; 370:409–32

Effect of aurasofin (SK&F 39162) on water and electrolyte flux in canine small bowel: a possible diarrheogenic mechanism. Fondacaro JD, et al. **J Rheumatol** 1986 Apr; 13(2):288–93

Water movement from istracristal spaces in isolated liver mitochondria. Candipan RC, et al. **J Ultrastruct Res** 1984 Dec;89(3):249–60

Biomembranes. Part O. Protons and water: structure and translocation. **Methods Enzymol** 1986;127:1–830

Coupled transport of water and ions through membranes as a possible cause of cytotoxic edema. Nagasawa M, et al. **Neurosci Lett** 1986 May 6;66(1):19–24

Cortical and papillary micropuncture study of water transport in segments of the rat kidney during inhibition of prostaglandin synthesis. Higashihara E, et al. **Nippon Jinzo Gakkai Shi** 1985 Sep;27(9):1317–28

The influence of furosemide and Co2+ on electrolyte and water transport in newt distal tubule and frog skin. Goscharevskaya OA, et al. **Pflugers Arch** 1986 Jun; 406(6):557–62

Effects of mechanical stresses, abscisic acid, and outdoor exposure on growth and water relations of eggplant. Latimer JG, et al. **Physiologist** 1985 Dec;28(6 Suppl):S109–10

Water and electrolyte absorption in ileal segments surgically transposed to the urinary bladder in the cat. Akerlund S, et al. **Scand J Urol Nephrol** 1986;20(1):63–9

Effect of high daytime temperatures on the intake and utilisation of water in lactating Friesian cows. Richards JI. **Trop Anim Health Prod** 1985 Nov;17(4):209–17

[Material–related studies of crown and bridge substances. 2. Water uptake and strength properties in relation to the composition of the substances] Tappe A, et al. **Zahn Mund Kieferheilkd** 1985;73(7):705–10 (Eng. Abstr.) (Ger)

[Permeability of components of the air–blood barrier to water evaluated by the radionuclide method] Beliakov NA, et al. **Fiziol Zh SSSR** 1986 Feb;72(2):164–9 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Influence of water–diuresis or saline volume expansion on deep nephron tubuloglomerular feedback. Müller–Suur R, et al. **Acta Physiol Scand** 1986 Jan;126(1):139–46

Anchoring of phospholipase A2: the effect of anions and deuterated water, and the role of N–terminus region. Jain MK, et al. **Biochim Biophys Acta** 1986 Sep 11;860(3):448–61

Influence of deuterium oxide on circadian activity rhythms of hamsters: role of the suprachiasmatic nuclei. Pickard GE, et al. **Brain Res** 1986 Jun 18;376(1):149–54

The influence of D2O, perchlorate, and variation in temperature on the potential–dependent contractile function of frog skeletal muscle. Foulks JG, et al. **Can J Physiol Pharmacol** 1985 Jun;63(6):693–703

Effects of acute water load, hypertonic saline infusion, and furosemide administration on atrial natriuretic peptide and vasopressin release in humans. Kimura T, et al. **J Clin Endocrinol Metab** 1986 May;62(5):1003–10

Protective and sensitizing effects of D2O treatment on thermal responses of Chinese hamster cells. Miyakoshi J, et al. **J Radiat Res (Tokyo)** 1985 Jun;26(2):238–47

Fluid balance during food deprivation and after intraruminal loads of water or isotonic saline in lactating and anoestral goats. Dahlborn K, et al. **Q J Exp Physiol** 1986 Apr; 71(2):223–33

PHYSIOLOGY

Water ordering during the cell cycle: nuclear magnetic resonance studies of the sea–urchin egg. Zimmerman S, et al. **J Cell Sci** 1985 Nov;79:247–57

RADIATION EFFECTS

Transmitted photon spectra of low–energy gamma rays through water. Swarup J, et al. **Int J Appl Radiat Isot** 1985 Jul;36(7):531–5

Hot spot kinetics of the sonolysis of aqueous acetate solutions. Gutiérrez M, et al. **Int J Radiat Biol** 1986 Aug;50(2):313–21

Matrix isolation of free radicals from carbohydrates. II. Reactions of H. with glucose and derivatives in acidic glasses. Krieger J, et al. **Int J Radiat Biol** 1985 Dec; 48(6):893–915

Radiolysis of human gastric glycopolypeptides in aqueous solution. Nagrani S, et al. **Int J Radiat Biol** 1986 Apr; 49(4):683–91

Oxygen depletion in irradiated aqueous solutions containing electron affinic hypoxic cell radiosensitizers. Michaels HB. **Int J Radiat Oncol Biol Phys** 1986 Jul;12(7):1055–8

Radiation chemistry of high–energy carbon, neon, and argon ions: hydroxyl radical yields. Appleby A, et al. **Radiat Res** 1985 Dec;104(3):263–71

TOXICITY

Carcinogenesis in mammalian urothelium: changes induced by non–carcinogenic substances and chronic indwelling catheters. Murphy WM, et al. **J Urol** 1986 Apr;135(4):840–4

WATER DEPRIVATION

Regulation of plasma arginine vasotocin in conscious water–deprived domestic fowl. Stallone JN, et al. **Am J Physiol** 1986 Apr;250(4 Pt 2):R658–64

Influence of market stress and protein level on feeder pig hematologic and blood chemical values. Clemens ET, et al. **Am J Vet Res** 1986 Feb;47(2):359–62

Effects of scheduled food and water deprivation on food intake, water intake and body weight of cage–adapted and cage–naive rats. Gillette–Bellingham K, et al. **Appetite** 1986 Mar;7(1):19–39

The influence of neonatal treatment with capsaicin on the control of blood pressure in adult rats in water–replete and water–deprived states. Bennett T, et al. **Br J Pharmacol** 1985 Aug;85(4):897–903

Effect of feed and(or) water deprivation prior to weaning on reproductive performance of sows: a cooperative study. Knabe DA, et al. **J Anim Sci** 1986 Jan;62(1):1–8

Effects of water restriction on nitrogen metabolism and urea recycling in the macropodid marsupials Macropus eugenii (tammar wallaby) and Thylogale thetis (red–necked pademelon). Chilcott MJ, et al. **J Comp Physiol [B]** 1985; 155(6):759–67

Humoral control of water and electrolyte excretion during water restriction. Merrill DC, et al. **Kidney Int** 1986 Jun; 29(6):1152–61

Influence of food and water deprivation on the behavior of the white rat foraging in a hostile environment. Cabanac M. **Physiol Behav** 1985 Nov;35(5):701–9

Effects of acute food and/or water deprivation on muricide. Russell JW, et al. **Physiol Behav** 1985 Jun;34(6):1009–12

PHYSIOLOGY

Increased hexokinase activity in forebrain of water–deprived and diabetes insipidus rats. Krukoff TL, et al. **Am J Physiol** 1986 Aug;251(2 Pt 2):R268–73

Endocrine mechanisms regulating sodium excretion during water deprivation in dogs. Metzler GH, et al. **Am J Physiol** 1986 Sep;251(3 Pt 2):R560–8

Increased delta, but not mu, opiate receptor binding in the medulla oblongata of Long–Evans rats following 5–day water deprivation. Hwang BH, et al. **Brain Res** 1986 Apr 23;371(2):345–9

Water deprivation increases anterior hypothalamic norepinephrine metabolism in the rat. Klemfuss H, et al. **Brain Res** 1985 Aug 26;341(2):222–7

Subfornical organ: effects of salt loading and water deprivation on in vitro radioamino acid incorporation into individual proteins. Santer DM, et al. **Brain Res** 1986 Apr 30;372(1):107–14

Metabolic effects of water deprivation. Hohenegger M, et al. **J Clin Chem Clin Biochem** 1986 May;24(5):277–82

Plasma levels of arginine vasotocin, prolactin, aldosterone and corticosterone during prolonged dehydration in the domestic fowl: effect of dietary NaCl. Arnason SS, et al. **J Comp Physiol [B]** 1986;156(3):383–97

Elevation of the panting threshold of the desert iguana, Dipsosaurus dorsalis, during dehydration: potential roles of changes in plasma osmolality and body fluid volume. Dupré RK, et al. **J Comp Physiol [B]** 1986;156(3):377–81

Vasopressin, but not oxytocin, is released in response to water deprivation in conscious goats. Thornton SN, et al. **J Endocrinol** 1986 Aug;110(2):335–40

Increased number of angiotensin II binding sites determined by autoradiography in anterior pituitary of water–deprived and Brattleboro rats. Israel A, et al. **Neuroendocrinology** 1986;42(1):57–63

Brain and peripheral opioid peptides after changes in ingestive behavior. Majeed NH, et al. **Neuroendocrinology** 1986;42(3):267–72

Effects of chronic dehydration on angiotensin II receptor binding in the subfornical organ, paraventricular hypothalamic nucleus and adrenal medulla of Long–Evans rats. Hwang BH, et al. **Neurosci Lett** 1986 Mar 28; 65(1):35–40

Schedule–induced polydipsia: another look at water–intake volume regulation. Porter JH. **Physiol Behav** 1985 Aug; 35(2):221–7

Influences of water deprivation and fasting on hypothalamic, pituitary and plasma opioid peptides and prolactin in rats. Takahashi H, et al. **Physiol Behav** 1986;37(4):603–8

Increased atrial natriuretic peptide (6–33) binding sites in the subfornical organ of water deprived and Brattleboro rats. Saavedra JM, et al. **Proc Soc Exp Biol Med** 1986 Sep; 182(4):559–63

[Effects of water deprivation on corticosterone production in the male Brattleboro rat genetically deprived of vasopressin] Ezzarani EA, et al. **J Physiol (Paris)** 1985; 80(3):157–62 (Eng. Abstr.) (Fre)

WATER–ELECTROLYTE BALANCE

see related
FLUID THERAPY
OSMOLAR CONCENTRATION
WATER INTOXICATION

Muscle water and electrolytes in patients undergoing continuous ambulatory peritoneal dialysis. Lindholm B, et al. **Acta Med Scand** 1986;219(3):323–30

Salt and water balance in congestive heart failure. Dyckner T, et al. **Acta Med Scand [Suppl]** 1986;707:27–31

Intracellular electrolytes in cardiac failure. Wester PO, et al. **Acta Med Scand [Suppl]** 1986;707:33–6

Water–electrolyte balance and hypothalamo–pituitary–adrenocortical function in rats with inherited diabetes insipidus (Brattleboro strain). Somova L, et al. **Acta Physiol Pharmacol Bulg** 1985;11(4):63–8

Influence of heat exposure on acid/base and fluid balance in hyperhydrated goats. Augustinsson O, et al. **Acta Physiol Scand** 1986 Apr;126(4):499–503

The effects of varying sodium diets on haemodynamics and fluid balance in the spontaneously hypertensive rat. Ely DL, et al. **Acta Physiol Scand** 1986 Feb;126(2):199–207

Acid–base and electrolyte balance after exhausting exercise in endurance–trained and sprint–trained subjects. Medbø JI, et al. **Acta Physiol Scand** 1985 Sep;125(1):97–109

The adrenergic nervous control of fluid transport in the small intestine of normotensive and spontaneously hypertensive rats. Sjövall H, et al. **Acta Physiol Scand** 1986 Apr; 126(4):557–64

Water homeostasis and vasopressin secretion during gestation. Lindheimer MD, et al. **Adv Nephrol** 1986;15:1–24 (56 ref.)

Plasma electrolyte status after small–bowel enteroclysis. Barloon TJ, et al. **AJR** 1986 Feb;146(2):323–5

Arginine vasopressin and the renal response to water loading in congestive heart failure. Goldsmith SR, et al. **Am J Cardiol** 1986 Aug 1;58(3):295–9

Extracellular and interstitial fluid volume in obesity with and without associated systemic hypertension. Raison J, et al. **Am J Cardiol** 1986 Feb 1;57(4):223–6

Effect of changes in pH, in osmolarity, or in temperature on food intake. Brobeck JR. **Am J Clin Nutr** 1985 Nov; 42(5 Suppl):951–5

Preliminary observation of impaired water excretion in treated status asthmaticus. Singleton R, et al. **Am J Dis Child** 1986 Jan;140(1):59–61

Fluid and electrolyte imbalances in children with chronic renal failure. Rodriguez–Soriano J, et al. **Am J Kidney Dis** 1986 Apr;7(4):268–74

Selective osmoreceptor dysfunction presenting as intermittent hypernatremia following surgery for a pituitary chromophobe adenoma. Arem R, et al. **Am J Med** 1986 Jun;80(6):1217–24

Effect of prostaglandins on renal salt and water excretion. Raymond KH, et al. **Am J Med** 1986 Jan 17;80(1A):22–33 (111 ref.)

The permeability barrier of the endolymphatic sac. A hypothesis of fluid and electrolyte exchange based on freeze fracturing. Bagger–Sjöbäck D, et al. **Am J Otol** 1986 Mar; 7(2):134–40

Dependence of ion fluxes on fluid transport by rat proximal tubule. Boensztyk K, et al. **Am J Physiol** 1986 Apr;250(4 Pt 2):F680–9

Role of renal nerves in maintaining sodium balance in unrestrained conscious rats. Fernández–Repollet E, et al. **Am J Physiol** 1985 Dec;249(6 Pt 2):F819–26

Hypertonic cell volume regulation in mouse thick limbs. I. ADH dependency and nephron heterogeneity. Hebert SC. **Am J Physiol** 1986 Jun;250(6 Pt 1):C907–19

Hypertonic cell volume regulation in mouse thick limbs. II. Na+–H+ and Cl(–)–HCO3– exchange in basolateral membranes. Hebert SC. **Am J Physiol** 1986 Jun;250(6 Pt 1):C920–31

Microvascular, interstitial, and lymphatic interactions in normal heart. Laine GA, et al. **Am J Physiol** 1985 Oct;249(4 Pt 2):H834–42

Independent osmoregulatory control of central and systemic angiotensin II concentrations in dogs. Simon-Oppermann C, et al. **Am J Physiol** 1986 May;250(5 Pt 2):R918–25

Interaction of osmotic and volume stimuli in regulation of neurohypophyseal secretion in rats. Stricker EM, et al. **Am J Physiol** 1986 Feb;250(2 Pt 2):R267–75

Vagally mediated regulation of renal function in conscious primates. Vatner SF, et al. **Am J Physiol** 1986 Apr;250(4 Pt 2):H546–9

Effects of sodium depletion and angiotensin II on osmotic regulation of vasopressin. Wade CE, et al. **Am J Physiol** 1986 Feb;250(2 Pt 2):R287–91

The end of the crystalloid era? A new approach to peri-operative fluid administration. Twigley AJ, et al. **Anaesthesia** 1985 Sep;40(9):860–71 (104 ref.)

Syndrome of opsoclonus-myoclonus in hyperosmolar nonketotic coma [letter] Matsumura K, et al. **Ann Neurol** 1985 Nov;18(5):623–4

The importance of plasma colloid osmotic pressure for interstitial fluid volume and fluid balance after elective abdominal vascular surgery. Nielsen OM, et al. **Ann Surg** 1986 Jan;203(1):25–9

Hidden sources of fluid and sodium intake in ill newborns. Noble-Jamieson CM, et al. **Arch Dis Child** 1986 Jul; 61(7):695–6

The missing gap. A pitfall in the diagnosis of alcohol intoxication by osmometry. Walker JA, et al. **Arch Intern Med** 1986 Sep;146(9):1843–4

Effect of hydration on plasma vasopressin, renin, and aldosterone responses to head-up tilt. Harrison MH, et al. **Aviat Space Environ Med** 1986 May;57(5):420–5

1985 Armstrong lecture. Cardiovascular receptors and fluid volume control. Meehan JP. **Aviat Space Environ Med** 1986 Mar;57(3):267–75 (64 ref.)

Angiotensin and salt appetite: physiological amounts of angiotensin given peripherally increase salt appetite in the rat. Dalhouse AD, et al. **Behav Neurosci** 1986 Aug; 100(4):597–602

Changes in self-stimulation at stimulation-bound eating and drinking sites in the lateral hypothalamus during food or water deprivation, glucoprivation, and intracellular or extracellular dehydration. Frutiger SA. **Behav Neurosci** 1986 Apr;100(2):221–9

Enhanced sodium appetite in rats with lesions centered on nucleus medianus. Gardiner TW, et al. **Behav Neurosci** 1986 Aug;100(4):531–5

Sodium homeostasis in chronic decerebrate rats. Grill HJ, et al. **Behav Neurosci** 1986 Aug;100(4):536–43

Atriopeptin release in conditions of altered salt and water balance in the rat. Schwartz D, et al. **Biochem Biophys Res Commun** 1986 Jun 30;137(3):922–8

Water-regulatory behaviour in terrestrial gastropods. Prior DJ. **Biol Rev** 1985 Aug;60(3):403–24 (129 ref.)

Transcapillary fluid balance in pre-eclampsia. Oian P, et al. **Br J Obstet Gynaecol** 1986 Mar;93(3):235–9

Long-term effects of lesions of the tissue surrounding the preoptic recess on paraventricular nuclei in rats. Carithers J, et al. **Brain Res** 1986 Feb 26;366(1–2):118–30

Distribution of osmosensitive cells in the preoptic and adjacent regions of cat brains. Hubbard JI, et al. **Brain Res** 1985 Oct 21;345(2):402–5

Augmented plasma renin levels in dehydrated sheep with periventricular lesions. McKinley MJ, et al. **Brain Res** 1986 Jun 25;376(2):416–9

Effects of water deprivation and administration of hypertonic saline on dopamine concentrations in posterior pituitary and vasopressin release in rats. Oki Y, et al. **Brain Res** 1985 Nov 25;348(1):9–14

Osmoreceptor localization in the brain of the pigeon (Columba livia). Thornton SN. **Brain Res** 1986 Jul 2; 377(1):96–104

The effect of removing area postrema on the sodium and potassium balances and consumptions in the rat. Watson WE. **Brain Res** 1985 Dec 16;359(1–2):224–32

The morphological basis of fluid balance in the interstitium of the juxtaglomerular apparatus. Rosivall L, et al. **Cell Tissue Res** 1986;243(3):525–33

George E. Brown memorial lecture. Role of atrial peptides in body fluid homeostasis. Ballermann BJ, et al. **Circ Res** 1986 May;58(5):619–30

Development of a cytochemical assay for plasma vasopressin: application to studies on water loading normal man. Baylis PH, et al. **Clin Endocrinol (Oxf)** 1986 Apr;24(4):383–93

Evaluation of glycerol as an osmotic agent for continuous ambulatory peritoneal dialysis in end-stage renal failure. Heaton A, et al. **Clin Sci** 1986 Jan;70(1):23–9

The influence of streptozotocin-induced diabetes mellitus on fluid and electrolyte handling in rats. Hebden RA, et al. **Clin Sci** 1986 Jan;70(1):111–7

Internal reference standards in ionic regulation and the predictability of ionic concentrations in animals. Burton RF. **Comp Biochem Physiol [A]** 1986;83(4):607–11 (35 ref.)

Effects of saltwater adaptation on serotonin metabolite concentrations in the cerebrospinal fluid of rainbow trout (Salmo gairdneri). Mazeaud MM, et al. **Comp Biochem Physiol [C]** 1985;82(1):109–13

Changes in the water-electrolyte balance and myocardial structure induced by acute focal ischaemia. Ramazanova LI, et al. **Cor Vasa** 1985;27(5):382–9

Mechanics of lung fluid balance. Lai-Fook SJ. **Crit Rev Biomed Eng** 1986;13(3):171–200 (182 ref.)

Central regulation of intestinal basal and stimulated water and ion transport by endogenous opiates in dogs. Primi MP, et al. **Dig Dis Sci** 1986 Feb;31(2):172–6

Muscle cell growth and the distribution of water and electrolyte in human pregnancy. Cheek DB, et al. **Early Hum Dev** 1985 Sep;11(3–4):293–305

Vascular fluid shifts and endocrine responses to exercise in the heat. Effect of rehydration. Brandenberger G, et al. **Eur J Appl Physiol** 1986;55(2):123–9

Hydration during exercise. Effects on thermal and cardiovascular adjustments. Candas V, et al. **Eur J Appl Physiol** 1986;55(2):113–22

Effect of hydration on some orthostatic and haematological responses to head-up tilt. Harrison MH, et al. **Eur J Appl Physiol** 1986;55(2):187–94

Atriopeptins in fluid and electrolyte homeostasis. Schwartz D, et al. **Fed Proc** 1986 Aug;45(9):2361–5 (29 ref.)

Control of plasma angiotensin II in a bird with salt glands (Anas platyrhynchos). Gray DA, et al. **Gen Comp Endocrinol** 1985 Oct;60(1):1–13

Resorption of subretinal fluid by transepithelial flow of the retinal pigment epithelium. Chihara E, et al. **Graefes Arch Clin Exp Ophthalmol** 1985;223(4):202–4

The sodium retention of cirrhosis: a reappraisal. Epstein M. **Hepatology** 1986 Mar-Apr;6(2):312–5

Sodium excretion in advanced cirrhosis: effect of expansion of central blood volume and suppression of plasma aldosterone. Nicholls KM, et al. **Hepatology** 1986 Mar-Apr; 6(2):235–8

Sodium balance and osmolarity in burn patients. Balogh D, et al. **Intensive Care Med** 1986;12(2):100–3

Effects of hypoproteinemia on lung microvascular protein sieving and lung lymph flow. Parker RE, et al. **J Appl Physiol** 1986 Apr;60(4):1293–9

Lung fluid balance during acute renal failure in sheep. Peterson BT, et al. **J Appl Physiol** 1986 Apr;60(4):1333–40

Osmosensitive vagal receptors in the small intestine of the cat. Mei N, et al. **J Auton Nerv Syst** 1986 Jul;16(3):159–70

Osmoregulation of the maltose regulon in Escherichia coli. Bukau B, et al. **J Bacteriol** 1986 Jun;166(3):884–91

Osmoregulation of gene expression in Salmonella typhimurium: proU encodes an osmotically induced betaine transport system. Cairney J, et al. **J Bacteriol** 1985 Dec; 164(3):1224–32

proP-mediated proline transport also plays a role in Escherichia coli osmoregulation. Gowrishankar J. **J Bacteriol** 1986 Apr;166(1):331–3

Identification of osmoresponsive genes in Escherichia coli: evidence for participation of potassium and proline transport systems in osmoregulation. Gowrishankar J. **J Bacteriol** 1985 Oct;164(1):434–45

Octopamine potentiates intracellular Na+ and Cl- reductions during cell volume regulation in Limulus exposed to hypoosmotic stress. Edwards SC, et al. **J Comp Physiol [B]** 1986;156(4):481–9

Vasopressin and oxytocin responses to acute and chronic osmotic stimuli in man. Williams TD, et al. **J Endocrinol** 1986 Jan;108(1):163–8

Changes in body water and plasma constituents during bullfrog development: effects of temperature and hormones. Brown SC, et al. **J Exp Zool** 1986 Jan; 237(1):25–33

Calcium mobilization, water balance, and growth in embryos of the agamid lizard Amphibolurus barbatus. Packard MJ, et al. **J Exp Zool** 1985 Sep;235(3):349–57

A study of 48-hour faecal and urinary electrolyte excretion in normotensive black and white South African males. Barlow RJ, et al. **J Hypertens** 1986 Apr;4(2):197–200

The endocrine control of blood volume, blood pressure and sodium balance: atrial hormone and renin system interactions. Laragh JH. **J Hypertens [Suppl]** 1986 Jun; 4(2):S143–56 (87 ref.)

Hyponatremia secondary to reset osmostat. Assadi FK, et al. **J Pediatr** 1986 Feb;108(2):262–4

Milk consumption and hydration status of exclusively breast-fed infants in a warm climate. Brown KH, et al. **J Pediatr** 1986 May;108(5 Pt 1):677–80

Is the refractometer specific gravity a reliable index for pediatric fluid management? Rowe MI, et al. **J Pediatr Surg** 1986 Jul;21(7):580–2

Fluid reabsorption by the proximal convoluted tubule of the kidney in lactating rats. Arthur SK, et al. **J Physiol (Lond)** 1986 Feb;371:267–75

Exercise-induced muscle cramp: a prospective biochemical study in marathon runners. Maughan RJ. **J Sports Sci** 1986 Spring;4(1):31–4

Transcapillary colloid osmotic gradient and body fluid volumes in renal failure. Fauchald P. **Kidney Int** 1986 Apr; 29(4):895–900

Hypernatremia inhibits NaHCO3 reabsorption and associated NaCl reabsorption in dogs. Langberg H, et al. **Kidney Int** 1986 Apr;29(4):820–8

Humoral control of water and electrolyte excretion during water restriction. Merrill DC, et al. **Kidney Int** 1986 Jun; 29(6):1152–61

Effect of colloid volume expansion on glomerular barrier size-selectivity in humans. Shemesh O, et al. **Kidney Int** 1986 Apr;29(4):916–23

Hormonal control of distal nephron function. Giebisch G. **Klin Wochenschr** 1985 Sep 16;63(18):877–85

Cellular heterogeneity of the distal nephron and its relation to function. Kaissling B. **Klin Wochenschr** 1985 Sep 16; 63(18):868–76

Is albumin synthesis regulated by the colloid osmotic pressure? Effect of albumin and dextran on albumin and total protein synthesis in isolated rat hepatocytes. Schmid M, et al. **Klin Wochenschr** 1986 Jan 2;64(1):23–8

Atrial natriuretic factor—a new hormone affecting kidney function. Sonnenberg H. **Klin Wochenschr** 1985 Sep 16; 63(18):886–90

Concomitant increase in plasma atrial natriuretic peptide and cyclic GMP during volume loading. Weil J, et al. **Klin Wochenschr** 1985 Dec 16;63(24):1265–8

Intestinal water and electrolyte flux of glucose-polymer electrolyte solutions. Wheeler KB, et al. **Med Sci Sports Exerc** 1986 Aug;18(4):436–9

Hypodipsic hypernatremia with normal osmoregulation of vasopressin. Hammond DN, et al. **N Engl J Med** 1986 Aug 14;315(7):433–6

Atrial natriuretic hormone, the renin-aldosterone axis, and blood pressure-electrolyte homeostasis. Laragh JH. **N Engl J Med** 1985 Nov 21;313(21):1330–40 (71 ref.)

Atriopeptin: a cardiac hormone intimately involved in fluid, electrolyte, and blood-pressure homeostasis. Needleman P, et al. **N Engl J Med** 1986 Mar 27;314(13):828–34 (41 ref.)

Current concept of the role of antidiuretic hormone in osmoregulation and volume regulation in man. A review. Meinders AE. **Neth J Med** 1985;28(10):401–7 (33 ref.)

Water and electrolyte metabolism in thiamine deficiency. Statius van Eps LW, et al. **Neth J Med** 1985;28(10):408–15

The effect of assisted ventilation on creatinine clearance and hormonal control of electrolyte balance in very low birth weight infants. Leslie GI, et al. **Pediatr Res** 1986 May; 20(5):447–52

Vasopressin responses to peripheral and central osmotic pulse stimulation. Baertschi AJ, et al. **Peptides** 1985 Nov-Dec; 6(6):1131–5

Osmoregulation of renal papillary cells. Beck F, et al. **Pflugers Arch** 1985;405 Suppl 1:S28–32

The role of anions in cellular volume regulation. Macknight AD. **Pflugers Arch** 1985;405 Suppl 1:S12–6

Volume regulation and basolateral co-transport of sodium, potassium, and chloride ions in frog skin epithelium. Using HH. **Pflugers Arch** 1985;405 Suppl 1:S2–7

Pathways for volume flow and volume regulation in leaky epithelia. Whittembury G, et al. **Pflugers Arch** 1985;405 Suppl 1:S17–22

Endogenous vasopressin and the weaning period in Brattleboro rats. Babický A, et al. **Physiol Behav** 1986; 36(4):631–5

The influence of central infusions on drinking due to peripheral osmotic stimuli in the pigeon (Columba livia). Thornton SN. **Physiol Behav** 1986;36(2):229–33

Cell volume maintenance and regulation in kidney tissues of various vertebrates. Beneš I, et al. **Physiol Bohemoslov** 1986;35(3):219–25

Volume regulating hormones (renin, aldosterone, vasopressin and natriuretic factor) during simulated weightlessness. Gharib C, et al. **Physiologist** 1985 Dec;28(6 Suppl):S30–3

Fluid and electrolyte control in simulated and actual spaceflight. Leach CS, et al. **Physiologist** 1985 Dec;28(6 Suppl):S34–7

Effects of gravity on the fluid balance and distribution in man. Linnarsson D, et al. **Physiologist** 1985 Dec;28(6 Suppl):S28–9

Atrial natriuretic factor receptors in rat kidney, adrenal gland, and brain: autoradiographic localization and fluid balance dependent changes. Lynch DR, et al. **Proc Natl Acad Sci USA** 1986 May;83(10):3357–61

The osmoregulatory function of taurine and glutamic acid. van Gelder NM, et al. **Prog Clin Biol Res** 1985;179:149–63 (29 ref.)

The effect of NaCl intake on 9-ketoprostaglandin reductase activity in the rabbit kidney. Watkins JD, et al. **Prostaglandins** 1985 Aug;30(2):335–49

Fluid balance in hot climates: sweating, water intake, and prevention of dehydration. Epstein Y, et al. **Public Health Rev** 1985;13(1–2):115–37 (97 ref.)

Osmotically induced drinking in the goat: an osmoreceptor or a sodium receptor mechanism? Thornton SN, et al. **Q J Exp Physiol** 1985 Oct;70(4):549–56

Hydration affects the result of a desmopressin test in adults. Delin K, et al. **Scand J Urol Nephrol** 1986;20(2):143–4

Optimal use of fluids of varying formulations to minimise exercise-induced disturbances in homeostasis. Lamb DR, et al. **Sports Med** 1986 Jul-Aug;3(4):247–74 (143 ref.)

Osmotic control in marine animals. Davenport J. **Symp Soc Exp Biol** 1985;39:207–44 (118 ref.)

Hormones, ionic regulation and kidney function in fishes. Henderson IW, et al. **Symp Soc Exp Biol** 1985;39:245–65 (93 ref.)

Intestinal absorption of folic acid, glucose, sodium and water in chronic pancreatitis. Mössner J, et al. **Z Gastroenterol** 1986 Apr;24(4):212–7

A dynamic approach to fluid and electrolyte management of the newborn. Rowe MI. **Z Kinderchir** 1985 Oct; 40(5):270–7

[Anemia due to practicing sports; an innocent 'side effect' of a healthy hobby (letter)] van Willigen J. **Ned Tijdschr Geneeskd** 1986 Mar 29;130(13):606–7 (Dut)

[Parenteral nutrition of newborn infants. Work Group Parenteral Nutrition of the Section Perinatology]

Tijdschr Kindergeneeskd 1986 Apr;54(2):64-7 (Dut)
[Changes in water balance and kidney function caused by cardiopulmonary bypass] Thurner F, et al. Anasth Intensivther Notfallmed 1986 Feb;21(1):5-8 (Eng. Abstr.) (Ger)
[Morphometric parameters of osmotic alveolosis] Fechner G, et al. Beitr Gerichtl Med 1985;43:381-5 (Eng. Abstr.) (Ger)
[Correction of current values of the metabolic profile in calves with hemoconcentration] Slanina L, et al. DTW 1985 Oct 8;92(10):367-9 (Eng. Abstr.) (Ger)
[Emergency status in the aged: disorders of water balance] Dietze F. Fortschr Med 1985 Nov 14;103(42):981-4 (Eng. Abstr.) (Ger)
[Fluorophotometry--a sensitive technic for the quantitative measurement of corneal endothelial function] Herrmann R, et al. Fortschr Ophthalmol 1985;82(6):584-6 (Eng. Abstr.) (Ger)
[Colloid osmotic pressure and extravascular lung water following extracorporeal circulation] Boldt J, et al. Herz 1985 Dec;10(6):366-75 (Eng. Abstr.) (Ger)
[Infusion therapy in hypertonic dehydration. II] Skirl G, et al. Kinderarztl Prax 1986 Apr;54(4):177-80 (Eng. Abstr.) (Ger)
[Hereditary salt sensitivity as a cause of essential hypertension: studies of membrane transport and intracellular electrolytes] Skrabal F, et al. Klin Wochenschr 1985 Sep 16;63(18):891-6 (Eng. Abstr.) (Ger)
[Peculiarities of water electrolyte balance in the aged patient] Krück F. Verh Dtsch Ges Inn Med 1985;91:2-7 (Ger)
[Effect of intestinal circulation on the osmotic balance between the intestinal lumen and blood in awake rats] Aziz O, et al. Z Gastroenterol 1985 Nov;23(11):619-27 (Eng. Abstr.) (Ger)
[Dielectric behavior of isolated dog kidneys following storage preservation and subsequent autotransplantation] Seemann B, et al. Z Urol Nephrol 1986 Feb;79(2):73-9 (Eng. Abstr.) (Ger)
[Changes in the water-electrolyte balance after administration of oligomineral water in nephrolithiasis patients] Albertazzi A, et al. Clin Ter 1985 Nov 15;115(3):181-92 (Eng. Abstr.) (Ita)
[Comparison of water, electrolyte and nitrogen balance in the postoperative period after epidural or general anesthesia. A randomized study patients undergoing hysterectomy] Gregoretti SM. Minerva Anestesiol 1985 Mar;51(3):87-91 (Eng. Abstr.) (Ita)
[A case of essential hypernatremia presumably caused by partial diabetes insipidus, upward resetting of the osmostat and hypodipsia] Inoue M, et al. Nippon Naika Gakkai Zasshi 1985 Dec;74(12):1699-703 (Jpn)
[Review on internal medicine, 1984. Electrolyte disturbance. I-3. Diuretics and water-electrolyte metabolism] Orita Y. Nippon Naika Gakkai Zasshi 1985 Jun;74(6):686-90 (20 ref.) (Jpn)
[Metabolic disturbances in renal tubular acidosis: water-electrolyte balance] Kinouchi T, et al. Nippon Rinsho 1985 Sep;43(9):1907-13 (21 ref.) (Jpn)
[Correlation between postoperative decrement of hematocrit and osmolarity in neurosurgical patients] Taguchi K, et al. No Shinkei Geka 1985 Jun;13(6):623-30 (Eng. Abstr.) (Jpn)
[The renin-angiotensin-aldosterone system in patients with pheochromocytoma. Evaluation of its interrelations with hemodynamics, electrolyte balance and kidney function] Wyrzykowski B, et al. Kardiol Pol 1985;28(6):374-81 (Eng. Abstr.) (Pol)
[Ultrafiltration in the treatment of severe congestive circulatory insufficiency] Broks-Bratkowska B, et al. Pol Tyg Lek 1985 Aug 12;40(32):907-8 (Eng. Abstr.) (Pol)
[Osmotic and non-osmotic regulation of vasopressin secretion] Wiecek A. Postepy Hig Med Dosw 1985 Mar-Apr;39(2):195-208 (82 ref.) (Eng. Abstr.) (Pol)
[Role of the kidney in maintaining electrolyte (isoionic) equilibrium in chronic obstructive bronchopneumopathy] Tacu V, et al. Rev Med Chir Soc Med Nat Iasi 1984 Jul-Sep;88(3):427-31 (Eng. Abstr.) (Rum)
[Morphologic features of the adaptation of vessels of the renal glomerular complex of Testudo horsfeldi Gr. and Columba livia] Valishin ES. Arkh Anat Gistol Embriol 1985 Dec;89(12):60-7 (Eng. Abstr.) (Rus)
[Indices of hormonal regulation of water-electrolyte metabolism and reception of cyclic AMP in the kidney papilla of rats during cold adaptation] Seliatitskaia VG, et al. Biull Eksp Biol Med 1985 Oct;100(10):393-4 (Eng. Abstr.) (Rus)
[Effect of different low-calorie diets on water-electrolyte homeostasis] Monin IuG, et al. Fiziol Cheloveka 1985 May-Jun;11(3):511-20 (Rus)
[Changes in water-electrolyte metabolism in the 1st hours of immersion as affected by submersion at different times of the day] Semenov VIu, et al. Fiziol Cheloveka 1985 May-Jun;11(3):499-503 (Rus)
[Electrolyte and sympathoadrenal system balance in children and adolescents 7-16 years old] Tupitsyn IO, et al. Fiziol Cheloveka 1985 May-Jun;11(3):480-5 (Rus)
[Functions and energy metabolism of the kidneys in the rat in response to changes in the volume of circulating blood] Gorʼenko AI, et al. Fiziol Zh 1985 Nov-Dec;31(6):667-73 (Eng. Abstr.) (Rus)
[Changes in water-electrolyte balance and central hemodynamics in hypertensive crises] Evsikov EM, et al. Kardiologiia 1985 Jun;25(6):28-33 (Eng. Abstr.) (Rus)
[Characteristics of the water-electrolyte metabolism of hypertension patients with stable hypertension and the principles of diuretic therapy] Nekrasova AA, et al. Kardiologiia 1986 Jan;26(1):27-34 (Eng. Abstr.) (Rus)
[Changes in water-salt homeostasis in patients with burns during treatment on a bed with pneumatic pillows] Sologub VK, et al. Khirurgiia (Mosk) 1986 Jun;(6):40-3 (Eng. Abstr.) (Rus)
[Mathematic modeling of the processes of water and salt metabolism] Grigorʼev AI, et al. Kosm Biol Aviakosm Med 1986 Mar-Apr;20(2):24-7 (Eng. Abstr.) (Rus)
[Effect of the model of "dry" immersion on the indicators of water-electrolyte metabolism and aldosterone and cortisol in the plasma of persons with different levels of body water] Iunusov MA, et al. Kosm Biol Aviakosm Med 1985 Jul-Aug;19(4):42-5 (Eng. Abstr.) (Rus)
[Body position of the human during hypokinesia and water-salt metabolism] Noskov VB, et al. Kosm Biol Aviakosm Med 1985 Sep-Oct;19(5):31-4 (Eng. Abstr.) (Rus)
[Analysis of fluid balance factors in the lungs in edema] Serikov VB, et al. Patol Fiziol Eksp Ter 1986 Jan-Feb;(1):40-5 (Eng. Abstr.) (Rus)
[Kidney function in adolescents of different somatotypes and in relation to their type feeding] Ivanov VA, et al. Pediatriia 1985 Dec;(12):43-6 (Eng. Abstr.) (Rus)
[Osmoregulatory function of the kidneys in children with acute glomerulonephritis] Sergeeva KM, et al. Pediatriia 1985 Dec;(12):41-3 (Eng. Abstr.) (Rus)
[Water-salt homeostasis and space flight] Gazenko OG, et al. Probl Kosm Biol 1986;54:1-238 (Rus)
[Central hemodynamic function and the metabolic electrolyte ratio of patients with hypertension and hereditary disposition] Kharchenko VI, et al. Ter Arkh 1985;57(9):43-9 (Eng. Abstr.) (Rus)
[Effect of the complex pathogenetic treatment on the state of the osmoregulating activity of the kidneys in pregnant women with late toxemia] Dikusarov VV, et al. Vrach Delo 1985 Dec;(12):63-5 (Eng. Abstr.) (Rus)
[Adenosine triphosphatase activity in the osmoregulatory organs of vertebrates] Reznik LV, et al. Zh Evol Biokhim Fiziol 1986 Mar-Apr;22(2):143-8 (Eng. Abstr.) (Rus)
[Acid-base equilibrium and spinal fluid enzyme activity in newborn infants with pathology of the nervous system] Tammpere AIa, et al. Zh Nevropatol Psikhiatr 1985;85(10):1494-8 (Eng. Abstr.) (Rus)
[Neurohumoral regulation of intestinal water-electrolyte balance] Saraví FD. Rev Esp Enferm Apar Dig 1986 Aug;70(2):175-84 (126 ref.) (Eng. Abstr.) (Spa)

DRUG EFFECTS

Effects of a synthetic vasopressin analogue (desmopressin) in pregnant, lactating and anoestral goats. Olsson K, et al. Acta Physiol Scand 1985 Aug;124(4):597-601
Chronic alcohol dependence and water-electrolyte status. Tang M, et al. Alcohol 1986 Jan-Feb;3(1):33-7
Selected mechanisms of diuretic-induced electrolyte changes. Melby JC. Am J Cardiol 1986 Jul 31;58(2):1A-4A
Effect of ovarian sex steroids on osmoregulation and vasopressin secretion in the rat. Barron WM, et al. Am J Physiol 1986 Apr;250(4 Pt 1):E352-61
Cardiovascular and renal responses to chronic vasopressin infusion. Brown AJ, et al. Am J Physiol 1986 Apr;250(4 Pt 2):H584-94
Atrial natriuretic factor can increase renal solute excretion primarily by raising glomerular filtration. Cogan MG. Am J Physiol 1986 Apr;250(4 Pt 2):F710-4
Changes in aortic water and sodium contents associated with potassium supplement in DOCA-salt rats. Sato Y, et al. Clin Exp Hypertens [A] 1986;8(3):425-39
The effect of chronic saline exposure on the electrolyte balance, nitrogen metabolism, and corticosterone titer in the American alligator, Alligator mississippiensis. Laurén DJ. Comp Biochem Physiol [A] 1985;81(2):217-23
Osmoregulation of the cane toad, Bufo marinus, in salt water. Liggins GW, et al. Comp Biochem Physiol [A] 1985;82(3):613-9
Changes in blood pressure, fluid volumes and glomerular filtration rate during long-term treatment with prizidilol, an antihypertensive drug with combined vasodilatator and beta-adrenoceptor blocking actions. Andersen GS, et al. Dan Med Bull 1985 Oct;32(5):280-3
The absence of any effect of alpha-human atrial natriuretic peptide on sodium transport and osmotic water flow in the toad bladder. Marumo F, et al. Endocrinol Jpn 1985 Dec;32(6):921-7
Escape from the sodium-retaining action of intrarenal angiotensins II and III in the conscious dog. Dickstein GM, et al. Endocrinology 1985 Nov;117(5):2160-9
Photoreactive neurohypophyseal hormone analogs: effects on transport processes in mammalian and amphibian epithelia. Fahrenholz F, et al. Endocrinology 1986 Mar;118(3):1026-31
Effect of captopril on renal haemodynamics and the renin-angiotensin-aldosterone and osmoregulatory systems in essential hypertension. Thomsen OO, et al. Eur J Clin Pharmacol 1986;30(1):1-6
Neuropeptide Y (NPY) and peptide YY (PYY) inhibit prostaglandin E2-induced intestinal fluid and electrolyte secretion in the rat jejunum in vivo. Saria A, et al. Eur J Pharmacol 1985 Dec 10;119(1-2):47-52
Human intestinal motor activity and transport: effects of a synthetic opiate. Kachel G, et al. Gastroenterology 1986 Jan;90(1):85-93
Verapamil reversal of serotonin-induced jejunal secretion of water and electrolytes in awake dogs. Zinner MJ, et al. Gastroenterology 1986 Mar;90(3):515-9
Responses to salinity and the effect of prolactin on whole animal transepithelial potential in the gobiid teleost, Gillichthys mirabilis. Iwata M, et al. Gen Comp Endocrinol 1985 Dec;60(3):434-40
Fluid regulation and reproductive cyclicity in female rats treated neonatally with testosterone and methandrostenolone. Lemoine J, et al. Horm Res 1985;22(4):291-300
Stimulation of porcine jejunal ion secretion in vivo by protein kinase-C activators. Weikel CS, et al. J Clin Invest 1985 Dec;76(6):2430-5
Effect of acute alcoholic intoxication on myocardial electrolyte and water distributions. Kischuk RP, et al. J Mol Cell Cardiol 1986 Feb;18(2):197-205
Modulation by verapamil of hormonal action on the Henle's loop of mice. Takeda K, et al. Kidney Int 1986 Apr;29(4):863-9
Osmotic threshold for vasopressin release in hyperprolactinemic patients. Ben-Haim S, et al. Miner Electrolyte Metab 1986;12(3):210-2
Dietary salt affects fluid intake and output patterns of pregnant rats. Bird E, et al. Physiol Behav 1986;37(2):365-9
Intravenous cyclosporine activates afferent and efferent renal nerves and causes sodium retention in innervated kidneys in rats. Moss NG, et al. Proc Natl Acad Sci USA 1985 Dec;82(23):8222-6
Influence of antidipsogenic peptides of the mammalian brain on electrolyte and water balance. De Caro G. Regul Pept [Suppl] 1985;4:209-15
[Angiotensin-converting enzyme inhibition: direct and indirect mechanisms] Stumpe KO. Klin Wochenschr 1985 Sep 16;63(18):897-906 (Eng. Abstr.) (Ger)
[Cellular water-electrolyte equilibrium in edema and changes induced by diuretics] Pupita F, et al. Clin Ter 1985 Oct 15;115(1):65-70 (Ita)
[Changes in water-electrolyte balance induced by administration of bicarbonate-alkaline earth water in patients with nephrolithiasis] Albertazzi A, et al. Minerva Urol Nefrol 1985 Apr-Jun;37(2):221-31 (Ita)
[Regulation of the rate of proximal and distal reabsorption after intratubular injection of cobalt ions] Goncharevskaia OA, et al. Fiziol Zh SSSR 1985 Oct;71(10):1287-92 (Eng. Abstr.) (Rus)

WATER-ELECTROLYTE IMBALANCE

Electrolyte and acid-base disorders. Bidani A. Med Clin North Am 1986 Sep;70(5):1013-36

CHEMICALLY INDUCED

Fluid and electrolyte considerations in diuretic therapy for hypertensive patients with chronic obstructive pulmonary disease. Hill NS. Arch Intern Med 1986 Jan;146(1):129-33 (44 ref.)
Electrolyte abnormalities and ventricular arrhythmias. Caralis PV, et al. Drugs 1986;31 Suppl 4:85-100 (87 ref.)
High plasma osmolality following intravenous dimethylsulphoxide in the treatment of postoperative hemiplegia [letter] Gunn IR, et al. J Neurol Neurosurg Psychiatry 1986 Aug;49(8):961-2

COMPLICATIONS

[Acute lithium poisoning caused by temporary reduction of renal function and water-electrolyte imbalance subsequent to an operation on the bile ducts with temporary Kehr drainage] Botta E, et al. Minerva Anestesiol 1985 Jun;51(6):329-32 (Eng. Abstr.) (Ita)
[Case of primary hypomagnesemia with functional hypoparathyroidism] Stanchev Z, et al. Vutr Boles 1985;24(4):109-13 (Rus)

DRUG THERAPY

[Diagnosis and treatment of cor pulmonale with traditional Chinese medicine based on blood gas analysis and acid-base equilibrium: analysis of 202 cases] Jing XL, et al. Chung Hsi I Chieh Ho Tsa Chih 1985 Aug;5(8):466-8 (Chi)

ETIOLOGY

Hepatic hydrothorax is a relative contraindication to chest tube insertion. Runyon BA, et al. Am J Gastroenterol 1986 Jul;81(7):566-7
Continuous venous-venous hemofiltration for the treatment of fluid overload in continuous ambulatory peritoneal dialysis patients. Giangrande A, et al. Blood Purif 1985;3(4):187-91
Electrolyte disturbances and cardiac failure with hypomagnesaemia in anorexia nervosa. Fonseca V, et al. Br Med J [Clin Res] 1985 Dec 14;291(6510):1680-2

Alterations in erythrocytes in hyperosmolar diabetic decompensation: a pathophysiological basis for impaired blood flow and for an improved design of fluid therapy. Evan-Wong LA, et al. **Diabetologia** 1985 Oct;28(10):739–42

Derangements of renal water handling in liver disease. Epstein M. **Gastroenterology** 1985 Dec;89(6):1415–25 (72 ref.)

Mechanisms for negative water balance during weightlessness: immersion or bed rest? Greenleaf JE. **Physiologist** 1985 Dec;28(6 Suppl):S38–9

[Water–electrolyte disturbances caused by transjejunal cutaneous ureterostomy] Delhumeau A, et al. **Can Anesthesiol** 1985 Aug–Sep;33(5):391–4 (Fre)

[Disorders of electrolyte metabolism in the aged] Tragl KH. **Fortschr Med** 1986 Mar 20;104(11):223–7 (Eng. Abstr.) (Ger)

[Regional sodium sequestration syndrome in percutaneous nephrolithotomy] Gallo F, et al. **Minerva Anestesiol** 1986 Jan–Feb;52(1–2):43–5 (Eng. Abstr.) (Ita)

[Role of prolactin in disorders of water and salt metabolism in patients with hypertension] Ziabreva EV, et al. **Kardiologiia** 1986 May;26(5):64–7 (Eng. Abstr.) (Rus)

[Metabolic and nutritional complications of specific support measures in malignant hemopathies] Gandarillas MA, et al. **Sangre (Barc)** 1985;30(4–B):578–610 (145 ref.) (Eng. Abstr.) (Spa)

METABOLISM

Hypothalamic catecholamine metabolism is increased by acute water imbalance. Klemfuss H, et al. **Pharmacol Biochem Behav** 1986 Feb;24(2):229–35

[Mineral salts and water in the diet of the athlete] Zuliani U, et al. **Acta Biomed Ateneo Parmense** 1985;56(3):149–54 (Eng. Abstr.) (Ita)

[Review on internal medicine, 1984. Electrolyte disturbance. I–2. Disturbances of water and sodium metabolism] Shimizu K. **Nippon Naika Gakkai Zasshi** 1985 Jun;74(6):681–5 (Jpn)

PHYSIOPATHOLOGY

Selective osmoreceptor dysfunction presenting as intermittent hypernatremia following surgery for a pituitary chromophobe adenoma. Arem R, et al. **Am J Med** 1986 Jun;80(6):1217–24

Interstitial fluid volume, plasma volume and transcapillary colloid osmotic gradient in patients with hepatic cirrhosis and fluid retention. Fauchald P, et al. **Scand J Clin Lab Invest** 1985 Oct;45(6):553–9

[Imbalances of the water and electrolyte status] Seeling W. **Infusionsther Klin Ernahr** 1985 Dec;12(6):310–21 (Eng. Abstr.) (Ger)

[Further studies on the reactivity of renal catecholamine receptors in man in water–salt depletion] Agnoli GC, et al. **Cardiologia** 1985 May;30(5):387–94 (Eng. Abstr.) (Ita)

[Water–electrolyte and acid–base disorders in heart insufficiency] da Silva JA, et al. **Arq Bras Cardiol** 1985 Nov;45(5):339–43 (Eng. Abstr.) (Por)

[Interrelation between the bioelectrical activity and mechanical function of the myocardium and disorders of water–mineral metabolism in children with glomerulonephritis] Volianik MN, et al. **Urol Nefrol (Mosk)** 1985 Sep–Oct;(5):57–8 (Rus)

THERAPY

Hyperosmolar coma treated with intravenous sterile water. A study of three cases. Worthley LI. **Arch Intern Med** 1986 May;146(5):945–7

Diagnostic and therapeutic technology assessment. Continuous arteriovenous hemofiltration. **JAMA** 1985 Mar 1;253(9):1325–6

Modern fluid and electrolyte management of the critically ill premature infant. Costarino A, et al. **Pediatr Clin North Am** 1986 Feb;33(1):153–78 (180 ref.)

VETERINARY

Electrolyte abnormalities induced by hypertonic phosphate enemas in two cats. Jorgensen LS, et al. **J Am Vet Med Assoc** 1985 Dec 15;187(12):1367–8

WATER INTOXICATION

see related
WATER–ELECTROLYTE BALANCE

BLOOD

Correlation of cigarette–induced increase in serum nicotine levels with arginine vasopressin concentrations in the syndrome of self–induced water intoxication and psychosis (SIWIP). Vieweg WV, et al. **Can J Psychiatry** 1986 Mar; 31(2):108–11

CHEMICALLY INDUCED

[Acute water intoxication induced by oxytocin] Perrot D, et al. **Ann Fr Anesth Reanim** 1985;4(5):418–20 (Eng. Abstr.) (Fre)

[Water intoxication. Diabetes insipidus treated with Minirin] Lund M, et al. **Tidsskr Nor Laegeforen** 1986 Apr 10; 106(9):743–5 (Eng. Abstr.) (Nor)

COMPLICATIONS

Infantile seizures caused by voluntary water intoxication. Gold I, et al. **Am J Emerg Med** 1986 Jan;4(1):21–3

Seizures in psychiatric patients. Shesser R, et al. **Am J Emerg Med** 1985 Sep;3(5):451–5

Hyponatremia associated with carbamazepine therapy [letter] Palladino A. **Am J Psychiatry** 1986 Sep;143(9):1190

Water intoxication in patients with psychiatric illness [editorial] Ferrier IN. **Br Med J [Clin Res]** 1985 Dec 7; 291(6509):1594–6

Hyponatremic seizures as a presenting symptom of child abuse. Tilelli JA, et al. **Forensic Sci Int** 1986 Feb–Mar; 30(2–3):213–7

Hyponatremic coma and elevated serum creatine phosphokinase following excessive caffeine intake. Kirubakaran V. **Psychiatr J Univ Ottawa** 1986 Jun; 11(2):105–6

[Hyponatremic coma with shock after tapwater enema] Levine Y, et al. **Harefuah** 1986 Jan 15;110(2):80–1 (Eng. Abstr.) (Heb)

[Hypo–osmolar syndrome caused by water intoxication (letter)] Rodríguez–Mateos P, et al. **Med Clin (Barc)** 1985 Nov 2;85(14):602 (Spa)

DIAGNOSIS

[Emergency status in the aged: disorders of water balance] Dietze F. **Fortschr Med** 1985 Nov 14;103(42):981–4 (Eng. Abstr.) (Ger)

ETIOLOGY

Psychogenic polydipsia and water intoxication—concepts that have failed. Vieweg WV, et al. **Biol Psychiatry** 1985 Dec;20(12):1308–20

Water intoxication in psychiatric patients [letter] Bourgeois P, et al. **Br J Psychiatry** 1985 Sep;147:323–4

Water intoxication and death associated with the use of posterior pituitary injection for surgical hemostasis. Fiser DH, et al. **Drug Intell Clin Pharm** 1986 Jun;20(6):485–7

Water intoxication in the course of an acute schizophrenic episode. Ledochowski M, et al. **Intensive Care Med** 1986; 12(1):47–8

Self–induced water intoxication: a comparison of 34 cases with matched controls. Jos CJ, et al. **J Clin Psychiatry** 1986 Jul;47(7):368–70

Water intoxication in beer–drinkers [letter] Doig A, et al. **Lancet** 1971 Dec 11;2(7737):1318

Acute water intoxication in healthy infants. Borowitz SM, et al. **South Med J** 1986 Sep;79(9):1156–8

[Water intoxication in children. Apropos of 2 cases] Labrune P, et al. **Arch Fr Pediatr** 1985 Dec;42(10):863–5 (Eng. Abstr.) (Fre)

PSYCHOLOGY

The syndrome of inappropriate secretion of the antidiuretic hormone and self–induced water intoxication in schizophrenic patients. Pérez–Cruet J, et al. **Bol Asoc Med PR** 1986 May;78(5):185–90

The syndrome of self–induced water intoxication in psychiatric patients. Inoue K, et al. **Folia Psychiatr Neurol Jpn** 1985;39(2):121–7

WATER LOSS, INSENSIBLE

Measurement of respiratory water loss in newborn lambs. Hammarlund K, et al. **Acta Physiol Scand** 1986 May; 127(1):61–5

Exposure treatment of the burned patient—a computer simulation of the thermal environment and its effect on evaporation and heat loss. Martin CJ, et al. **Clin Phys Physiol Meas** 1985 Nov;6(4):323–36

Dermatitis and water vapour loss in metal workers. Coenraads PJ, et al. **Contact Dermatitis** 1985 Nov; 13(5):347–8

Water loss from the respiratory tract during hyperventilation in normal subjects and in asthmatics. Schmidt A, et al. **Eur J Respir Dis [Suppl]** 1986;143:78–80

Transepidermal water loss and resting energy expenditure in preterm infants. Maurer A, et al. **Helv Paediatr Acta** 1984 Dec;39(5–6):405–18

The effect of duration of sprinkling on total moisture losses from pigs. Vajrabukka C, et al. **Int J Biometeorol** 1986 Jun;30(2):185–8

Regional control of local airway heat and water vapor losses. Hanna LM, et al. **J Appl Physiol** 1986 Aug;61(2):624–32

Evaporative water loss: thermoregulatory requirements and measurements in the deer mouse and white rabbit. Conley KE. **J Comp Physiol [B]** 1985;155(4):433–6

[On urine flow and insensible water loss under helium–oxygen high pressure] Tomiyasu K, et al. **Ann Physiol Anthropol** 1985 Jan;4(1):55–9 (Eng. Abstr.) (Jpn)

WATER MICROBIOLOGY

Bacterial microflora in Stichococcus bacillaris culture in nitrogenous–organic wastewaters. Bisz–Konarzewska A, et al. **Acta Microbiol Pol** 1985;34(3–4):277–86

Quantitative selection of denitrifying bacteria in continuous cultures and requirement for organic carbon. II. Maltose. Jaworowska–Deptuch H, et al. **Acta Microbiol Pol** 1985; 34(3–4):293–300

Survival of thermotolerant campylobacters in water. Gondrosen B. **Acta Vet Scand** 1986;27(1):1–10

Vibrio anguillarum: prevalence of typical and atypical strains in marine recipients with special reference to carbohydrate pollution. Larsen JL. **Acta Vet Scand** 1985;26(4):449–60

The identification of gram–negative, nonfermentative bacteria from water: problems and alternative approaches to identification. Ward NR, et al. **Adv Appl Microbiol** 1986; 31:293–365 (133 ref.)

Plant viruses in rivers and lakes. Koenig R. **Adv Virus Res** 1986;31:321–33 (65 ref.)

Health risks associated with wastewater irrigation: an epidemiological study. Fattal B, et al. **Am J Public Health** 1986 Aug;76(8):977–9

A three–state study of waterborne disease surveillance techniques. Harter L, et al. **Am J Public Health** 1985 Nov; 75(11):1327–8

Microbiological markers for swimming–associated infectious health hazards [letter] Mossel DA. **Am J Public Health** 1986 Mar;76(3):297

Isolation of Legionella pneumophila from hospital cooling towers. Nadarajah M, et al. **Ann Acad Med Singapore** 1986 Jan;15(1):6–8

Hypersensitivity pneumonitis caused by Cladosporium in an enclosed hot–tub area. Jacobs RL, et al. **Ann Intern Med** 1986 Aug;105(2):204–6

Measurement of in situ activities of nonphotosynthetic microorganisms in aquatic and terrestrial habitats. Staley JT, et al. **Annu Rev Microbiol** 1985;39:321–46 (132 ref.)

Evaluation of culture media for recovery of Staphylococcus aureus from swimming pools. Alico RK, et al. **Appl Environ Microbiol** 1986 Apr;51(4):699–702

Isolation of protozoa from water associated with a legionellosis outbreak and demonstration of intracellular multiplication of Legionella pneumophila. Barbaree JM, et al. **Appl Environ Microbiol** 1986 Feb;51(2):422–4

Coincident plasmids and antimicrobial resistance in marine bacteria isolated from polluted and unpolluted Atlantic Ocean samples. Baya AM, et al. **Appl Environ Microbiol** 1986 Jun;51(6):1285–92

Methods for isolating Campylobacter jejuni from low–turbidity water. Blaser MJ, et al. **Appl Environ Microbiol** 1986 Feb;51(2):312–5

Aerosols containing Legionella pneumophila generated by shower heads and hot–water faucets. Bollin GE, et al. **Appl Environ Microbiol** 1985 Nov;50(5):1128–31

Pentachlorophenol degradation: a pure bacterial culture and an epilithic microbial consortium. Brown EJ, et al. **Appl Environ Microbiol** 1986 Jul;52(1):92–7

Reactions of fish to microorganisms in wastewater. Buras N, et al. **Appl Environ Microbiol** 1985 Oct;50(4):989–95

Survival and enumeration of the fecal indicators Bifidobacterium adolescentis and Escherichia coli in a tropical rain forest watershed. Carrillo M, et al. **Appl Environ Microbiol** 1985 Aug;50(2):468–76

Recovery of viruses from water by a modified flocculation procedure for second–step concentration. Dahling DR, et al. **Appl Environ Microbiol** 1986 Jun;51(6):1326–31

Comparative study of selective media for enumeration of Pseudomonas aeruginosa from water by membrane filtration. de Vicente A, et al. **Appl Environ Microbiol** 1986 Apr;51(4):832–40

Concentration of viruses from water by using cellulose filters modified by in situ precipitation of ferric and aluminum hydroxides. Farrah SR, et al. **Appl Environ Microbiol** 1985 Dec;50(6):1502–4

Incidence of Vibrio cholerae and related vibrios in a coastal lagoon and seawater influenced by lake discharges along an annual cycle. Garay E, et al. **Appl Environ Microbiol** 1985 Aug;50(2):426–30

Effect of salinity gradients and heterotrophic microbial activity on biodegradation of nitrilotriacetic acid in laboratory simulations of the estuarine environment. Hunter M, et al. **Appl Environ Microbiol** 1986 May;51(5):919–25

Evaluation of a tangential–flow multiple–filter technique for detection of Giardia lamblia cysts in water. Isaac–Renton JL, et al. **Appl Environ Microbiol** 1986 Aug;52(2):400–2

Comparison of membrane filter, multiple–fermentation–tube, and presence–absence techniques for detecting total coliforms in small community water systems. Jacobs NJ, et al. **Appl Environ Microbiol** 1986 May;51(5):1007–12

Kinetics of mineralization of phenols in lake water. Jones SH, et al. **Appl Environ Microbiol** 1986 May;51(5):891–7

Selective detection and enumeration of fecal coliforms in water by potentiometric measurement of lipoic acid reduction. Jouenne T, et al. **Appl Environ Microbiol** 1985 Nov;50(5):1208–12

Inactivation of Norwalk virus in drinking water by chlorine. Keswick BH, et al. **Appl Environ Microbiol** 1985 Aug; 50(2):261–4

Holding effects on coliform enumeration in drinking water samples. McDaniels AE, et al. **Appl Environ Microbiol** 1985 Oct;50(4):755–62

Injured coliforms in drinking water. McPeters GA, et al. **Appl Environ Microbiol** 1986 Jan;51(1):1–5

Isolation of indigenous wastewater bacterial strains capable of mobilizing plasmid pBR325. McPherson P, et al. **Appl Environ Microbiol** 1986 May;51(5):904–9

Recovery and diversity of heterotrophic bacteria from chlorinated drinking waters. Maki JS, et al. **Appl Environ Microbiol** 1986 May;51(5):1047–55

Serotypes of Vibrio parahaemolyticus isolates from

hydrobiologically dissimilar aquatic environments. Nair GB, et al. **Appl Environ Microbiol** 1985 Sep;50(3):724–6

Isolation of non-O1 Vibrio cholerae serovars from surface waters in western Colorado. Rhodes JB, et al. **Appl Environ Microbiol** 1986 Jun;51(6):1216–9

Electrostatic mechanism of survival of virulent Aeromonas salmonicida strains in river water. Sakai DK. **Appl Environ Microbiol** 1986 Jun;51(6):1343–9

Use of immunofluorescence and phase-contrast microscopy for detection and identification of Giardia cysts in water samples. Sauch JF. **Appl Environ Microbiol** 1985 Dec; 50(6):1434–8

Sensitivity of Moore sewer swabs for isolating Salmonella typhi. Sears SD, et al. **Appl Environ Microbiol** 1986 Feb; 51(2):425–6

Comparison of gauze swabs and membrane filters for isolation of Campylobacter spp. from surface water. el-Sherbeeny MR, et al. **Appl Environ Microbiol** 1985 Sep;50(3):611–4

Concentration of viruses in beef extract by flocculation with ammonium sulfate. Shields PA, et al. **Appl Environ Microbiol** 1986 Jan;51(1):211–3

Evaluation of methods for concentrating hepatitis A virus from drinking water. Sobsey MD, et al. **Appl Environ Microbiol** 1985 Dec;50(6):1457–63

Characterization of dysgonic, heterotrophic bacteria from drinking water. Spino DF. **Appl Environ Microbiol** 1985 Nov;50(5):1213–8

Effects of metals on Legionella pneumophila growth in drinking water plumbing systems. States SJ, et al. **Appl Environ Microbiol** 1985 Nov;50(5):1149–54

Susceptibility of members of the family Legionellaceae to thermal stress: implications for heat eradication methods in water distribution systems. Stout JE, et al. **Appl Environ Microbiol** 1986 Aug;52(2):396–9

Virulence of Vibrio vulnificus strains from marine environments. Tison DL, et al. **Appl Environ Microbiol** 1986 May;51(5):1004–6

Occurrence of multiple-antibiotic-resistant enteric bacteria in domestic sewage and oxidation lagoons. Walter MV, et al. **Appl Environ Microbiol** 1985 Oct;50(4):930–3

Development of methods to measure virus inactivation in fresh waters. Ward RL, et al. **Appl Environ Microbiol** 1985 Nov;50(5):1144–8

Evolved aniline catabolism in Acinetobacter calcoaceticus during continuous culture of river water. Wyndham RC. **Appl Environ Microbiol** 1986 Apr;51(4):781–9

Prevalence of antibodies to Legionella pneumophila among workers exposed to a contaminated cooling tower. Buehler JW, et al. **Arch Environ Health** 1985 Jul–Aug;40(4):207–10

Properties of new marine bactericidal Microvibrios. Finance C, et al. **Arch Roum Pathol Exp Microbiol** 1985 Apr–Jun; 44(2):99–108

Effect of chlorination of drinking water on experimental salmonella infection in poultry. Poppe C, et al. **Avian Dis** 1986 Apr–Jun;30(2):362–9

Ciliates from a fresh water sulfuretum. Dyer BD, et al. **Biosystems** 1986;19(2):127–35

Isolation of Mycobacteria from drinking water in Palermo. Scarlata G, et al. **Boll Ist Sieroter Milan** 1985;64(6):479–82

Fatal infection with Aeromonas sobria and Plesiomonas shigelloides. Sawle GV, et al. **Br Med J [Clin Res]** 1986 Feb 22;292(6519):525–6

Effects of paraquat and glyphosate on growth, respiration, and enzyme activity of aquatic bacteria. Chan KY, et al. **Bull Environ Contam Toxicol** 1986 Jan;36(1):52–9

Biochemical responses of bacteria after short exposure to alkyltins. Liu D, et al. **Bull Environ Contam Toxicol** 1986 Jan;36(1):60–6

Bacteriological methods for distinguishing between human and animal faecal pollution of water: results of fieldwork in Nigeria and Zimbabwe. Mara DD, et al. **Bull WHO** 1985;63(4):773–83

Human viruses in sediments, sludges, and soils. Rao VC, et al. **Bull WHO** 1986;64(1):1–13 (33 ref.)

Predominant bacterial genera in granular activated carbon water treatment systems. Burlingame GA, et al. **Can J Microbiol** 1986 Mar;32(3):226–30

C-390 as sole selective agent for isolation of Pseudomonas aeruginosa from hospital waste water. Havelaar AH, et al. **Can J Microbiol** 1986 Jun;32(6):513–5

Comparative study of membrane filtration and enrichment media for the isolation and enumeration of Pseudomonas aeruginosa from sewage, surface water, and swimming pools. Havelaar AH, et al. **Can J Microbiol** 1985 Aug; 31(8):686–92

Response of the microflora in outdoor experimental streams to pentachlorophenol: environmental factors. Pignatello JJ, et al. **Can J Microbiol** 1986 Jan;32(1):38–46

Isolation of Legionella pneumophila from Canadian hot springs. Dutka BJ, et al. **Can J Public Health** 1986 Mar–Apr;77(2):136–8

Faecal contamination of urban community water supplies and its public health implications. Sabwa DM, et al. **East Afr Med J** 1985 Nov;62(11):794–801

Potable water as a source for legionellosis. Fraser DW. **Environ Health Perspect** 1985 Oct;62:337–41

Respirable droplets from whirlpools: measurements of size distribution and estimation of disease potential. Baron PA, et al. **Environ Res** 1986 Feb;39(1):8–18

Characteristics of Hg-resistant bacteria isolated from Minamata Bay sediment. Nakamura K, et al. **Environ Res** 1986 Jun;40(1):58–67

Legionella pneumophila in a water distribution system. Sticht-Groh V, et al. **Eur J Clin Microbiol** 1985 Dec; 4(6):591–2

Antagonism between Yersinia intermedia and Yersinia enterocolitica in water. Calvo C, et al. **Folia Microbiol (Praha)** 1986;31(2):167–73

Modified scheme for identification of coliform organisms in drinking water. Chattopadhya D, et al. **Indian J Med Res** 1986 Feb;83:152–4

Environmental prevalence of Nocardia species in Punjab state (India). Singh M, et al. **Indian J Med Res** 1985 Nov; 82:402–7

Microbial examination of kidney lithotripter tub water and epidural anesthesia catheters. Cooper GL, et al. **Infect Control** 1986 Apr;7(4):216–9

Characteristics of Pseudomonas aeruginosa isolated from whirlpools and bathers. Highsmith AK, et al. **Infect Control** 1985 Oct;6(10):407–12

Nosocomial Mycobacterium gordonae pseudoinfection from contaminated ice machines. Panwalker AP, et al. **Infect Control** 1986 Feb;7(2):67–70

Experiences with bacteriological monitoring of pool water. Schiemann DA. **Infect Control** 1985 Oct;6(10):413–7

Seasonal distribution of facultatively enteropathogenic vibrios (Vibrio cholerae, Vibrio mimicus, Vibrio parahaemolyticus) in the freshwater of the Elbe River at Hamburg. Bockemühl J, et al. **J Appl Bacteriol** 1986 May; 60(5):435–42

A note on a selective agar medium for the enumeration of Flavobacterium species in water. Flint KP. **J Appl Bacteriol** 1985 Dec;59(6):561–6

Influence of temperature on the number of Legionella pneumophila in hot water systems. Groothuis DG, et al. **J Appl Bacteriol** 1985 Dec;59(6):529–36

A note on antibiotic-resistant Escherichia coli in adult man, raw sewage and sewage-polluted River Tigris in Mosul, Nineva. Al-Jebouri MM, et al. **J Appl Bacteriol** 1985 Dec; 59(6):513–8

Factors affecting the measurement of antibiotic resistance in bacteria isolated from lake water. Jones JG, et al. **J Appl Bacteriol** 1986 May;60(5):455–62

Antibiotic resistant bacteria in Windermere and two remote upland tarns in the English Lake District. Jones JG, et al. **J Appl Bacteriol** 1986 May;60(5):443–53

The persistence of Legionella pneumophila in non-sterile, sterile and artificial hard waters and their growth pattern on tap washer fittings. Schofield GM, et al. **J Appl Bacteriol** 1985 Dec;59(6):519–27

A note on the survival of Legionella pneumophila in stagnant tap water. Schofield GM. **J Appl Bacteriol** 1985 Oct; 59(4):333–5

A note on the stability of Rappaport-Vassiliadis enrichment medium. Vassiliadis P, et al. **J Appl Bacteriol** 1985 Aug; 59(2):143–5

A note on the use of Rappaport-Vassiliadis medium (R10/RV) for the isolation of salmonellas from sewage and sewage sludges. Watson DC. **J Appl Bacteriol** 1985 Aug; 59(2):205–6

Atypical mycobacterial infection of soft tissue associated with use of a hot tub. A case report. Aubuchon C, et al. **J Bone Joint Surg [Am]** 1986 Jun;68(5):766–8

Pseudomonas pseudomallei infection from drowning: the first reported case in Taiwan. Lee N, et al. **J Clin Microbiol** 1985 Sep;22(3):352–4

Legionellas in water [editorial] **J Hosp Infect** 1985 Sep; 6(3):239–40

Pseudomonas paucimobilis contamination of cool mist tents on a paediatric ward. Dale BA, et al. **J Hosp Infect** 1986 Mar;7(2):189–92

Misuse of chilled drink dispensers [letter] Hunter PR. **J Hosp Infect** 1985 Dec;6(4):434

Properties of poliovirus strains isolated from waste waters of nurseries in Prague in 1969–1982. Matyášková I, et al. **J Hyg Epidemiol Microbiol Immunol** 1985;29(4):387–98

Studies on microbial quality of filtered water in households of a university community in Nigeria. Alabi DA, et al. **J Hyg (Lond)** 1986 Apr;96(2):239–48

Sanitary study of surface water and of the beach of a water sports and leisure complex. Chabasse D, et al. **J Hyg (Lond)** 1986 Jun;96(3):393–401

Survival of Kanagawa-positive strains of Vibrio parahaemolyticus in a brackish-water area. Kumazawa NH, et al. **J Hyg (Lond)** 1985 Oct;95(2):299–307

The seasonality of bacterial quality of water in a tropical developing country (Sierra Leone). Wright RC. **J Hyg (Lond)** 1986 Feb;96(1):75–82

The structure of the stalk surface layer of a brine pond microorganism: correlation averaging applied to a double layered lattice structure. Kessel M, et al. **J Microsc** 1985 Jul;139 (Pt 1):63–74

Isolation of Naegleria australiensis from an Oklahoma Lake. John DT, et al. **J Protozool** 1985 Nov;32(4):571–5

An outbreak of gastroenteritis in an airmobile unit. Bedson RC, et al. **J R Army Med Corps** 1986 Feb;132(1):6–10

Survival of Pasteurella multocida in soil and water in an area where avian cholera is enzootic. Backstrand JM, et al. **J Wildl Dis** 1986 Apr;22(2):257–9

Cysts of Giardia spp. in mammals and surface waters in southwestern Alberta. Wallis PM, et al. **J Wildl Dis** 1986 Jan;22(1):115–8

Detection and enumeration of faecal coliforms and other microorganisms in drinking water (a comparison of two techniques). Sami Z, et al. **JPMA** 1985 Nov;35(11):329–34

Inactivation of bacteria and viruses in water: passage of germicidal ultraviolet light through Teflon. Wallbank AM, et al. **Lab Anim** 1985 Oct;19(4):273–4

Rubbers, water, and legionella [letter] Colbourne JS, et al. **Lancet** 1986 Sep 6;2(8506):583

Waterborne giardiasis in the United States 1965–84 [letter] Craun GF. **Lancet** 1986 Aug 30;2(8505):513–4

Outbreak of giardiasis associated with mains water in the United Kingdom. Jephcott AE, et al. **Lancet** 1986 Mar 29; 1(8483):730–2

Effect of rubbers and their constituents on proliferation of Legionella pneumophila in naturally contaminated hot water. Niedeveld CJ, et al. **Lancet** 1986 Jul 26; 2(8500):180–4

Ecological studies of Legionella species. I. Viable counts of Legionella pneumophila in cooling tower water. Ikedo M, et al. **Microbiol Immunol** 1986;30(5):413–23

A survey for Yersinia enterocolitica in water from ponds, streams and wells in Northern Nigeria. Lombin LH, et al. **Microbiologica** 1986 Jan;9(1):95–100

A simple method for counting Staphylococcus aureus in swimming pool water. Mates A, et al. **Microbios** 1986; 46(186):45–9

Sterile water for tracheostomy home care: homemade versus commercial preparations. Kun S, et al. **Pediatr Pulmonol** 1986 Mar–Apr;2(2):108–9

Vehicular transmission of hepatitis A. Cliver DO. **Public Health Rev** 1985;13(3–4):235–92 (120 ref.)

Epidemiology of infectious diseases transmitted by drinking water in developed countries. Hartemann P, et al. **Rev Epidemiol Sante Publique** 1986;34(1):59–68

Scedosporium (Monosporium) apiospermum: multiple brain abscesses. Gari M, et al. **Sabouraudia** 1985 Oct;23(5):371–6

Developments in biotechnology of relevance to drinking water preparation. Janssen DB, et al. **Sci Total Environ** 1985 Dec;47:121–35 (43 ref.)

Heterotrophic bacteria in water distribution systems. II. Sampling design for monitoring. Maul A, et al. **Sci Total Environ** 1985 Sep;44(3):215–24

Heterotrophic bacteria in water distribution systems. I. Spatial and temporal variation. Maul A, et al. **Sci Total Environ** 1985 Sep;44(3):201–14

Microbial aspects of water management. Lancaster, July 1984. **Soc Appl Bacteriol Symp Ser** 1985;14:1S–245S

Materials usage and their effects on the microbiological quality of water supplies. Colbourne JS. **Soc Appl Bacteriol Symp Ser** 1985;14:47S–59S

Bacterial pollution of coastal waters in the UK and Mediterranean. Evison LM. **Soc Appl Bacteriol Symp Ser** 1985;14:81S–93S

Infections associated with whirlpools and spas. Jones F, et al. **Soc Appl Bacteriol Symp Ser** 1985;14:61S–66S

The water cycle as a source of pathogens. Jones F, et al. **Soc Appl Bacteriol Symp Ser** 1985;14:27S–36S

Autochthonous bacteria in the Chalk and their influence on groundwater quality in East Anglia. Parker JM, et al. **Soc Appl Bacteriol Symp Ser** 1985;14:15S–25S

Occurrence in water of viruses of public health significance. Tyler J. **Soc Appl Bacteriol Symp Ser** 1985;14:37S–46S

Pollution of freshwater and estuaries. White WR, et al. **Soc Appl Bacteriol Symp Ser** 1985;14:67S–79S

Drink boiled water: a cultural analysis of a health education message. Nichter M. **Soc Sci Med** 1985;21(6):667–9

Acute Pseudomonas pseudomallei pneumonia and septicemia following aspiration of contaminated water: a case report. Achana V, et al. **Southeast Asian J Trop Med Public Health** 1985 Sep; 16(3):500–4

The effect of oral Mycobacterium vaccae on subsequent responses of mice to BCG sensitization. Brown CA, et al. **Tubercle** 1985 Dec;66(4):251–60

The occurrence of different Listeria species in municipal waste water. Geuenich HH, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Dec; 181(6):563–5

Estimation of virus density in sewage effluents by two counting techniques: comparison of precisions as a function of inoculum volume. Hugues B, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Dec; 181(3–5):409–17

Recovery of reoviruses from tap water. Schwartzbrod L, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Dec; 181(3–5):383–9

Quantitative and qualitative aspects of bacterial flora of Karachi coastal water shrimp (Penaeus merguiensis and Metapenaeus monoceros). Zuberi R, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Dec; 181(3–5):418–29

The effects of the virulence plasmid ColV, I-K94 on the survival of Escherichia coli in sewage effluent. Rowbury RJ. **Zentralbl Mikrobiol** 1985;140(4):309–15

[Relation between the water supply and the occurrence of Legionella infections] Wan CQ. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1986 Feb; 7(1):58–60 (34 ref.) **(Chi)**

[Isolation of legionellae in the water supply system of a hospital in the South Moravia Region] Dražar V, et al. **Cesk Epidemiol Mikrobiol Imunol** 1986 May;35(3):166–73 (Eng. Abstr.) **(Cze)**

[Microflora of fresh water] Van Dijck P, et al. **Arch Belg** 1985;43(3–4):168–76 (Eng. Abstr.) **(Dut)**

[Follow-up study of Legionella pneumophila pneumonia following the raising of the hot water temperature in a Dutch hospital] van Ketel RJ, et al. **Ned Tijdschr Geneeskd** 1986 Apr 26;130(17):778–81 (Eng. Abstr.) (Dut)

[Bacterial pollution of the lagoon of Tunis] Chadli A, et al. **Arch Inst Pasteur Tunis** 1985 Dec;62(4):397–420 (Eng. Abstr.) (Fre)

[Isolation of Listeria from the water of the Po River] Luppi A, et al. **Boll Ist Sieroter Milan** 1986;65(2):108–11 (Eng. Abstr.) (Fre)

[Longitudinal study of the risks related to the consumption of water not conforming to bacteriological norms] Ferley JP, et al. **Rev Epidemiol Sante Publique** 1986;34(2):89–99 (Eng. Abstr.) (Fre)

[Evaluation of 4 years of surveillance of enteroviruses in sewage. Correlation with human pathology] Peigue-Lafeuille H, et al. **Rev Epidemiol Sante Publique** 1985;33(6):445–51 (Eng. Abstr.) (Fre)

[Research on coronaviruses in water. I. Adsorption and elution of the coronavirus on glass powder] Collomb J, et al. **Virologie** 1986 Apr–Jun;37(2):95–105 (Eng. Abstr.) (Fre)

[Hygiene problems with the Technicare breast sonography (letter)] Habel H. **Geburtshilfe Frauenheilkd** 1985 Aug; 45(8):574 (Ger)

[Relevance of hospital hygiene for incubators] Ziegler P, et al. **Kinderarztl Prax** 1986 Jan;54(1):21–4 (Eng. Abstr.) (Ger)

[Detection of Pseudomonas aeruginosa in swimming pool water] Höppner A. **Off Gesundheitswes** 1986 Jan; 48(1):39–41 (Eng. Abstr.) (Ger)

[Public health aspects of swimming pools: ear complaint of the swimmer—a literature review] Mueller RL. **Off Gesundheitswes** 1985 Nov;47(11):575–7 (Eng. Abstr.) (Ger)

[Occurrence of human pathogenic Yersinia enterocolitica strains in drinking water] Püllen R, et al. **Off Gesundheitswes** 1986 Mar;48(3):144–6 (Eng. Abstr.) (Ger)

[Presence of Legionellae in water of air conditioning and water installation systems in North Rhine area] Uerlings A, et al. **Off Gesundheitswes** 1986 Jul;48(7):325–8 (Eng. Abstr.) (Ger)

[Problems in the drinking water supply] Hässelbarth U. **Schriftenr Ver Wasser Boden Lufthyg** 1985;65:205–8 (Ger)

[Microbiologic studies as a contribution to the ground water protection concept] Kaddu-Mulindwa D, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1986;64:203–14 (Ger)

[Viruses in swimming pools] Lopez Pila JM. **Schriftenr Ver Wasser Boden Lufthyg** 1985;65:289–94 (Ger)

[Viruses in the water circulation] Lopez Pila JM. **Schriftenr Ver Wasser Boden Lufthyg** 1985;65:279–87 (Ger)

[Progress in the ground water protection concept "behavior of viruses underground"] Nasser A, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1986;64:193–201 (Ger)

[Microbiological problems in public bathing facilities] Seeber E. **Schriftenr Ver Wasser Boden Lufthyg** 1985;65:295–302 (Ger)

[Special microbiological aspects of the study of drinking water] Seidel K. **Schriftenr Ver Wasser Boden Lufthyg** 1985; 65:229–34 (Ger)

[Bacteriological problems of bathing waters with special reference to whirlpool baths and "psycho-tanks"] Seidel K. **Schriftenr Ver Wasser Boden Lufthyg** 1985;65:303–10 (Ger)

[Elimination of salmonellas from community waste water] Gastmeier P, et al. **Z Gesamte Hyg** 1985 Sep;31(9):521–3 (Eng. Abstr.) (Ger)

[Enterotoxin-forming Escherichia coli strains as a cause of diarrhea following the consumption of drinking water] Gunkel K, et al. **Z Gesamte Hyg** 1985 Nov;31(11):621–2 (Eng. Abstr.) (Ger)

[Use of dip cultures for semiquantitative determination of the bacteria count of distilled and demineralized water and other fluids] Jatzwauk L, et al. **Z Gesamte Hyg** 1985 Sep; 31(9):519–20 (Eng. Abstr.) (Ger)

[Experiences with bathing water purification in accordance with the Regulation of Technological Standards No. 37780] Jessen HJ. **Z Gesamte Hyg** 1986 Mar;32(3):171–4 (Eng. Abstr.) (Ger)

[Requirements for water quality in sauna plunge baths] Jessen HJ. **Z Gesamte Hyg** 1986 Mar;32(3):177–9 (Eng. Abstr.) (Ger)

[Public health evaluation of highly eutrophic bathing water] Kalbe L. **Z Gesamte Hyg** 1986 Mar;32(3):164–70 (Eng. Abstr.) (Ger)

[Sewage sanitation. Workshop. Kiel, 1984] **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Apr; 182(2):103–239 (Ger)

[Microbiological and chemical studies of a water treatment plant with a wastewater pond containing plants during the winter of 1983–1984] Bauerfeind S. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Apr; 182(2):177–92 (Eng. Abstr.) (Ger)

[Determination of colony count at 20 degrees C, 36 degrees C and 37 degrees C] Botzenhart K, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Apr; 182(2):237–9 (Ger)

[Comparison of the bacterial population of the high- and low-power stages at a water purification plant] Dott W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Apr; 182(2):196–8 (Ger)

[Differentiation of nonfermenting gram-negative human-pathogenic rod bacteria from sewage water] Geiss HK, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Dec; 182(1):33–8 (Eng. Abstr.) (Ger)

[Quantitative studies of fecal indicators in various purification stages at two sewage purification plants in Schleswig-Holstein] Gerhardt GG, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Apr; 182(2):104–19 (Eng. Abstr.) (Ger)

[Microflora in swine slurry as a parameter in determining the efficiency of deodorizing treatment. I. Continuous and discontinuous aeration treatment] Hennlich W. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Jun; 181(1–2):37–51 (Eng. Abstr.) (Ger)

[Microflora in swine slurry as a parameter in determining the efficiency of deodorizing treatment. II. Treatment with ammonium peroxydisulfate] Hennlich W. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Jun; 181(1–2):52–63 (Eng. Abstr.) (Ger)

[Formaldehyde resistance to gram-negative aerobic rods from municipal sewage water] Hingst V, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Dec; 182(1):39–48 (Eng. Abstr.) (Ger)

[Parasitologic studies, diagnosis and clinical aspects of cercarial dermatitis—public health significance for bathing waters in temperate zones] Kimmig P, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Dec; 181(3–5):390–408 (Eng. Abstr.) (Ger)

[Spectrum of gram-negative rods in waste water from Jeddah/Saudi Arabia] Müller HE, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Dec; 182(1):58–63 (Eng. Abstr.) (Ger)

[Survival of Campylobacter jejuni in drinking water, river water and sewage] Pickert A, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Dec; 182(1):49–57 (Eng. Abstr.) (Ger)

[Various Salmonella serotypes isolated at a sewage purification plant in a smaller city over a one-year period] Schüsseler G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Apr; 182(2):131–42 (Eng. Abstr.) (Ger)

[Various Salmonella serotypes isolated at a sewage purification plant in a large city over a one-year period] Sobotta B, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Apr;182(2):143–54 (Eng. Abstr.) (Ger)

[Quantitative studies of Salmonella in the sewage system of Kiel over a one-year period] Steller H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Apr; 182(2):155–64 (Eng. Abstr.) (Ger)

[Quantitative studies of Salmonella at two sewage purification plants in Schleswig-Holstein] Teitge E, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Apr; 182(2):120–30 (Eng. Abstr.) (Ger)

[Various Salmonella serotypes in the sewage system of Kiel over a one-year period] Wicke T, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Apr; 182(2):165–76 (Eng. Abstr.) (Ger)

[The problems of sludge build-up] Ziegler M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Apr; 182(2):199–200 (Ger)

[Occurrence of gentamicin-resistant coliforms in river water samples] Stelzer W, et al. **Zentralbl Mikrobiol** 1986; 141(1):3–9 (Eng. Abstr.) (Ger)

[Occurrence of antibiotic-resistant klebsiellas in waste water] Stelzer W, et al. **Zentralbl Mikrobiol** 1985;140(4):283–91 (Eng. Abstr.) (Ger)

[Comparative study of the detection of Pseudomonas aeruginosa in water] Ziegert E, et al. **Zentralbl Mikrobiol** 1986;141(2):121–8 (Eng. Abstr.) (Ger)

[Diagnosis and occurrence of Yersinia enterocolitica in water] Stengel G. **Zentralbl Veterinarmed [B]** 1986 Mar; 33(2):82–92 (Eng. Abstr.) (Ger)

[Marine pollution: evaluation of bacteriological parameters] Cellini L, et al. **Boll Soc Ital Biol Sper** 1986 Jan 31; 62(1):15–22 (Eng. Abstr.) (Ita)

[Assay and survival of Vibrio parahaemolyticus in environmental samples] Spanò AM, et al. **Boll Soc Ital Biol Sper** 1985 Aug 30;61(8):1141–5 (Eng. Abstr.) (Ita)

[Survey of coliforms and coliphages in water samples] Spinelli P, et al. **Boll Soc Ital Biol Sper** 1985 Aug 30; 61(8):1135–40 (Eng. Abstr.) (Ita)

[The "water Vibrio" of Puntoni in the waters of Castellammare di Stabia] De Fusco R, et al. **Nuovi Ann Ig Microbiol** 1985 Mar–Apr;36(2):85–95 (Eng. Abstr.) (Ita)

[Recent findings on the state of contamination of the Aterno river at Aquila] Marinelli G, et al. **Nuovi Ann Ig Microbiol** 1984 Jul–Aug;35(4):299–305 (Eng. Abstr.) (Ita)

[Comparison of the MPN technic with filtration in anaerobiosis in the determination of the number of coliform bacteria in various types of water] Montacutelli R, et al. **Nuovi Ann Ig Microbiol** 1984 Nov–Dec;35(6):459–70 (Eng. Abstr.) (Ita)

[Finding of Salmonellae in a sea-way situated at the mouth of the Tiber and correlation with indications of fecal contamination] Sebastiani Annicchiarico L, et al. **Nuovi Ann Ig Microbiol** 1984 Jul–Aug;35(4):277–98 (Eng. Abstr.) (Ita)

[Characteristic of Vibrio cholerae O1 isolated in the Aja River] Iwanaga M, et al. **Kansenshogaku Zasshi** 1985 Jun; 59(6):551–8 (Eng. Abstr.) (Jpn)

[An outbreak of well water-associated food-poisoning caused by enterotoxigenic Escherichia coli O159:H20] Muramatsu K, et al. **Kansenshogaku Zasshi** 1986 Jan; 60(1):1–6 (Eng. Abstr.) (Jpn)

[Isolation of Legionella pneumophila from cooling tower in China] Tang IT, et al. **Kansenshogaku Zasshi** 1985 Aug; 59(8):787–92 (Eng. Abstr.) (Jpn)

[Hazards of the redistribution of chemical and biological pollutants in an aqueous environment] Il'in IE. **Gig Sanit** 1986 Jun;(6):8–11 (Eng. Abstr.) (Rus)

[Sanitary microbiological assessment of the barrier function of modern water supply treatment installations in the case of hydrosphere pollution by surface-active substances] Il'in IE. **Gig Sanit** 1985 Dec;(12):10–3 (Eng. Abstr.) (Rus)

[Characteristics of the microbial contamination of the wastes from waste-paper processing enterprises] Iurovskaia EM, et al. **Gig Sanit** 1986 Apr;(4):79–81 (Rus)

[Pseudomonas aeruginosa and the hydrosphere. Surface waters] Kalniia Gp, et al. **Gig Sanit** 1985 Dec;(12):53–9 (61 ref.) (Rus)

[Pseudomonas aeruginosa in water. Its hygiene and epidemiology] Komzolova NB, et al. **Gig Sanit** 1986 Feb; (2):57–61 (64 ref.) (Rus)

[Deficiencies in the method for the sanitary bacteriological analysis of chlorinated tap water] Maslov AK, et al. **Gig Sanit** 1986 Feb;(2):61–3 (Rus)

[Action of ozone in water decontamination] Riabchenko VA, et al. **Gig Sanit** 1986 Apr;(4):20–3 (Eng. Abstr.) (Rus)

[Hygienic significance of Pseudomonas aeruginosa in water] Rozhavin MA. **Gig Sanit** 1986 Jan;(1):41–2 (51 ref.) (Rus)

[Method of accelerated detection of the causative agents of dysentery and their antigens in water] Sichinskiĭ LA. **Gig Sanit** 1986 Jan;(1):37–8 (Rus)

[Role of several groups of microorganisms in evaluating the quality of water in open bodies of water] Siavskiĭ AV, et al. **Gig Sanit** 1985 Nov;(11):10–1 (Eng. Abstr.) (Rus)

[Modelling of the transmission of bacterial intestinal infections in swimming] Talaeva IuG, et al. **Gig Sanit** 1985 Dec;(12):51–2 (Rus)

[Ability of bacteria living in the sea for the biosynthesis of fibrinolytic enzymes] Egorov NS, et al. **Mikrobiologiia** 1986 May–Jun;55(3):445–8 (Eng. Abstr.) (Rus)

[Distribution of microorganisms lysing Pseudomonas aeruginosa in reservoirs and soil] Lambina VA, et al. **Mikrobiologiia** 1986 Jan–Feb;55(1):135–7 (Eng. Abstr.) (Rus)

[Epidemiological analysis of the significance of the means of transmitting dysentery] Khodyrev AP. **Voen Med Zh** 1986 Jun;(6):38–41 (Rus)

[Hygienic evaluation of the results of sanitary bacteriological research on water quality] Khozhenko VA, et al. **Voen Med Zh** 1986 Mar;(3):33–4 (Rus)

[Sanitary-microbiologic criteria for evaluating areas of water and shoreline strips of beaches] Borovik EB, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Jan–Feb;(1):54–7 (Rus)

[Microflora of various types of mineral waters] Gasparian AV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Nov–Dec;(6):57–60 (Rus)

[Isolation of viruses from water using porous silica] Krasil'nikov IV, et al. **Vopr Virusol** 1985 Sep–Oct; 30(5):608–10 (Eng. Abstr.) (Rus)

[Comparison of serous meningitis morbidity and the concentration of the Coxsackie B virus in sewage] Spynu KI, et al. **Vopr Virusol** 1986 Jan–Feb;31(1):104–7 (Eng. Abstr.) (Rus)

[Effect of water improvement works on the activity of natural foci of tularemia in the Rovno district] Shuliarenko SV, et al. **Vrach Delo** 1986 Jun;(6):112–4 (Eng. Abstr.) (Rus)

[Allomonas—a new group of microorganisms of the Vibrionaceae family. Allomonas enterica in seawater and various hydrobiotas] Davyborshch SG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Sep;(9):26–9 (Eng. Abstr.) (Rus)

[Formation of drug resistance in Vibrio cholerae of non-O1 group inhabitating surface-water reservoirs] Tichomirov ED, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Sep; (9):40–6 (Eng. Abstr.) (Rus)

[Detection, isolation and characterization of Bifidobacterium in free surface waters] Muñoa FJ, et al. **Microbiol Esp** 1985 Jan–Jun;38(1–2):1–9 (Eng. Abstr.) (Spa)

[Variation in the heterotrophic activity and bacterial density of beach water from Barcelona] Vaqué MD, et al. **Microbiol Esp** 1985 Jul–Dec;38(3–4):115–25 (Spa)

[Comparative study of aerobic bacterial flora, indicators of contamination, in dams of Rio Lozoya] Alonso-Pastor del Coso F, et al. **Rev Sanid Hig Publica (Madr)** 1985 Mar–Apr; 59(3–4):367–80 (Eng. Abstr.) (Spa)

[Contamination by micro-organisms of health interest in the waters of the Imperial Canal of Aragón] Gracía Rivas MJ, et al. **Rev Sanid Hig Publica (Madr)** 1985 Sep–Oct; 59(9–10):1155–74 (Eng. Abstr.) (Spa)

WATER MOVEMENTS

Are cot deaths linked with the tides? [letter] Buckle P, et al. **Early Hum Dev** 1986 Jul;14(1):67–8

Tidally rhythmic behaviour of marine animals. Naylor E. **Symp Soc Exp Biol** 1985;39:63–93 (116 ref.)

Feeding currents in calanoid copepods: two new hypotheses. Strickler JR. **Symp Soc Exp Biol** 1985;39:459–85 (69 ref.)

[Trends in the detection of substance transport processes in ground water in waste deposits using numerical models] Brill V, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1986; 64:157–70 (Ger)

WATER POLLUTANTS

Bacterial microflora in Stichococcus bacillaris culture in nitrogenous-organic wastewaters. Bisz-Konarzewska A, et al. **Acta Microbiol Pol** 1985;34(3–4):277–86

Wastewater recycling and reuse [editorial] Straub CP. **Am J Public Health** 1986 Aug;76(8):960–2

Phenotypic and genotypic adaptation of aerobic heterotrophic sediment bacterial communities to mercury stress. Barkay T, et al. **Appl Environ Microbiol** 1986 Aug; 52(2):403–6

Influence of aquatic humus on the bioavailability of chlorinated micropollutants in Atlantic salmon. Carlberg GE, et al. **Arch Environ Contam Toxicol** 1986 Sep; 15(5):543–8

Permeation of water contaminative phenols through hairless mouse skin. Huq AS, et al. **Arch Environ Contam Toxicol** 1986 Sep;15(5):557–66

Concentrations and chromatographic profile of DDT metabolites and polychlorobiphenyl (PCB) residues in stranded beluga whales (Delphinapterus leucas) from the St. Lawrence Estuary, Canada. Massé R, et al. **Arch Environ Contam Toxicol** 1986 Sep;15(5):567–79

Reactivity of nitrogenous and other organic compounds with aqueous chlorine. Katz EL. **Bull Environ Contam Toxicol** 1986 May;36(5):715–22

Accelerated degradation of organophosphorus pesticides with sodium perborate. Qian C, et al. **Bull Environ Contam Toxicol** 1985 Nov;35(5):682–8

Response of the microflora in outdoor experimental streams to pentachlorophenol: environmental factors. Pignatello JJ, et al. **Can J Microbiol** 1986 Jan;32(1):38–46

Mutagenicity studies in Salmonella: residues of ozonated and/or chlorinated water fulvic acids. Kowbel DJ, et al. **Environ Mutagen** 1986;8(2):257–62

Potential contamination of surface water supplies by atmospheric releases from nuclear plants. Codell RB. **Health Phys** 1985 Nov;49(5):713–30

Dose calculations from routine releases: a new approach of influence area division. Ródenas Diago J, et al. **Health Phys** 1985 Dec;49(6):1155–64

Organic micropollutants in drinking water and health. Proceedings of an international symposium. Amsterdam, The Netherlands, 11–14 June 1985. **Sci Total Environ** 1985 Dec;47:1–507

[The use of aquatic plants in the treatment of water pollution caused by chemical agents. Absorption of zirconium and cadmium] Ferrara L, et al. **Boll Soc Ital Biol Sper** 1985 Sep 30;61(9):1343–8 (Eng. Abstr.) (Ita)

[Development of techniques in radiation treatment of water] Sakumoto A, et al. **Radioisotopes** 1985 Oct;34(10):570–9 (36 ref.) (Jpn)

[Effect of various levels of sodium fluoride in drinking water on intestinal disaccharidase activity in mice] Poborska K, et al. **Rocz Panstw Zakl Hig** 1986;37(1):28–32 (Eng. Abstr.) (Pol)

[Sanitary microbiological assessment of the barrier function of modern water supply treatment installations in the case of hydrosphere pollution by surface-active substances] Il'in IE. **Gig Sanit** 1985 Dec;(12):10–3 (Eng. Abstr.) (Rus)

[Determination of nickel and cobalt in water by chromatography on a thin sorbent layer] Kataeva SE. **Gig Sanit** 1986 Jun;(6):62–3 (Rus)

[Hygienic standard for tert-butylamine in water] Rudelko VA, et al. **Gig Sanit** 1985 Dec;(12):70–1 (Rus)

[Correlation between the maximum permissible levels of chemical substances in various environmental objects] Mikheev MI, et al. **Gig Tr Prof Zabol** 1985 Oct;(10):28–31 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Leukemia and radium groundwater contamination [letter] **JAMA** 1986 Feb 21;255(7):901–4

Inhalation exposure in the home to volatile organic contaminants of drinking water. Andelman JB. **Sci Total Environ** 1985 Dec;47:443–60

Critical considerations on the significance of carcinogenic and mutagenic compounds in drinking water. Van der Heijden CA, et al. **Sci Total Environ** 1985 Dec;47:479–85

Drinking water and health hazards in environmental perspective. Zoeteman BC. **Sci Total Environ** 1985 Dec; 47:487–503 (26 ref.)

[Nitrate content in drinking water—alternative use of mineral water for the preparation of infant food] Witte O. **Off Gesundheitswes** 1986 Mar;48(3):147–9 (Eng. Abstr.) (Ger)

[Effect of the environment on the levels of selected bioelements in human body fluids (on the example of Cracow population)] Zielonka E, et al. **Folia Med Cracov** 1985;26(1–2):153–66 (Eng. Abstr.) (Pol)

[Embryotoxic and teratogenic effects of highly mineralized water] Shtannikov EV, et al. **Gig Sanit** 1985 Sep;(9):19–20 (Eng. Abstr.) (Rus)

[Morphological indicators of the biological effects of hydroaerosols of various compositions] Tsyganovskaia LKh, et al. **Gig Sanit** 1985 Sep;(9):40–2 (Eng. Abstr.) (Rus)

ANALYSIS

Bioindication of mutagenic and carcinogenic pollutants in waters of the Odawa River. Pawlaczyk-Szpilowa M, et al. **Acta Microbiol Pol** 1985;34(3–4):287–92

Use of spectroscopic techniques for the determination of trace metals in natural waters and sediments. Boniforti R, et al. **Ann Ist Super Sanita** 1983;19(4):597–603

Bioaccumulation of polychlorinated biphenyls and metals from contaminated sediment by freshwater prawns, Macrobrachium rosenbergii and clams, Corbicula fluminea. Tatem HE. **Arch Environ Contam Toxicol** 1986 Feb; 15(2):171–83

Determination of genotoxic polycyclic aromatic hydrocarbons in a sediment from the Black River (Ohio). West WR, et al. **Arch Environ Contam Toxicol** 1986 May; 15(3):241–9

Organochlorines and mercury in blood of a fish-eating population at the River Elbe in Schleswig-Holstein, FRG. Lommel A, et al. **Arch Toxicol [Suppl]** 1985;8:264–8

Colorimetric determination of propoxur residues in vegetables and water. Appaiah KM, et al. **Bull Environ Contam Toxicol** 1985 Sep;35(3):296–300

Mercury concentrations in the Australian fur seal Arctocephalus pusillus from SE Australian waters. Bacher GJ. **Bull Environ Contam Toxicol** 1985 Oct;35(4):490–5

Sources and transport of organochlorine compounds and heavy metals into waters of the National Park of Doñana. Baluja G, et al. **Bull Environ Contam Toxicol** 1985 Oct; 35(4):482–9

Gas chromatographic determination of organochlorine pesticides; contamination of Dicofol, Fenson, and Tetradifon in fish and natural waters of a wet area beside the Mediterranean Sea. Barbera JC, et al. **Bull Environ Contam Toxicol** 1986 Feb;36(2):211–8

Trace metal residues in biota and sediments from Lake Pontchartrain, Louisiana. Byrne CJ, et al. **Bull Environ Contam Toxicol** 1986 Jul;37(1):151–8

Accumulation of sediment-bound PCBs by fiddler crabs. Clark JR, et al. **Bull Environ Contam Toxicol** 1986 Apr; 36(4):571–8

Degradation of the herbicide propanil in distilled water. Dahchour A, et al. **Bull Environ Contam Toxicol** 1986 Apr; 36(4):556–62

Bioaccumulation of fossil fuel components during single-compound and complex-mixture exposures of Daphnia magna. Dauble DD, et al. **Bull Environ Contam Toxicol** 1986 Jul;37(1):125–32

Superficial accumulation of heavy metals in near shore marine sediments: an objective index of environmental pollution. Establier R, et al. **Bull Environ Contam Toxicol** 1985 Sep;35(3):348–53

Analysis of drinking water for the detection of trihalomethanes. Fayad NM, et al. **Bull Environ Contam Toxicol** 1985 Nov;35(5):576–82

Correlations between lead, cadmium, copper, zinc, and iron concentrations in frozen tuna fish. Galindo L, et al. **Bull Environ Contam Toxicol** 1986 Apr;36(4):595–9

Metals and PCB concentrations in mussels from Long Island Sound. Greig RA, et al. **Bull Environ Contam Toxicol** 1985 Sep;35(3):331–4

Beryllium in sediments of Nagoya harbor estuaries. Itoh K. **Bull Environ Contam Toxicol** 1986 Jun;36(6):935–41

Volatile halocarbons in haemodialysis therapy. Kroneld R, et al. **Bull Environ Contam Toxicol** 1985 Nov;35(5):583–92

Treatment of solids and petroleum hydrocarbons in storm runoff with an on-site detention basin. Latimer JS, et al. **Bull Environ Contam Toxicol** 1986 Apr;36(4):548–55

Heavy metals and selenium variation in a migratory bird wintering in a mercury-polluted lagoon. Leonzio C, et al. **Bull Environ Contam Toxicol** 1986 Aug;37(2):219–25

Trace metal export in urban runoff and its biological significance. Liston P, et al. **Bull Environ Contam Toxicol** 1986 Jun;36(6):900–5

Temephos residues in stagnant ponds after mosquito larvicide applications by helicopter. Lores EM, et al. **Bull Environ Contam Toxicol** 1985 Sep;35(3):308–13

Trace metals in mussels (Mytilus edulis) from the Waddenzee, coastal North Sea and the estuaries of Ems, Western and Eastern Scheldt. Luten JB, et al. **Bull Environ Contam Toxicol** 1986 May;36(5):770–7

Persistence and mutagenic potential of herbicide-derived aniline residues in pond water. Lyons CD, et al. **Bull Environ Contam Toxicol** 1985 Nov;35(5):696–703

Heavy metals in oyster tissue around three coastal marinas. Marcus JM, et al. **Bull Environ Contam Toxicol** 1986 Apr; 36(4):587–94

Polycyclic aromatic hydrocarbons in sediments from the Saguenay Fjord, Canada. Martel L, et al. **Bull Environ Contam Toxicol** 1986 Jul;37(1):133–40

Fenitrothion and aminocarb residues in water and balsam fir foliage following spruce budworm spraying programs in Quebec, 1979 to 1982. Morin R, et al. **Bull Environ Contam Toxicol** 1986 Apr;36(4):622–8

1,3,5-Trichloro-2-(4-nitrophenoxy)benzene (CNP) in water, sediments, and shellfish of the Ishikari River. Ohyama T, et al. **Bull Environ Contam Toxicol** 1986 Sep;37(3):344–9

Metabolites of xenobiotics in the bile of fish in waterways polluted by pulpmill effluents. Oikari AO. **Bull Environ Contam Toxicol** 1986 Mar;36(3):429–36

Residues of organochlorine insecticides in fish from polluted water. Al-Omar MA, et al. **Bull Environ Contam Toxicol** 1986 Jan;36(1):109–13

Modified multiresidue method for chlordane, toxaphene, and polychlorinated biphenyls in fish. Price HA, et al. **Bull Environ Contam Toxicol** 1986 Jul;37(1):1–9

Polycyclic aromatic hydrocarbons in mussel and fish from the Finnish Archipelago Sea. Raimio K, et al. **Bull Environ Contam Toxicol** 1986 Sep;37(3):337–43

Mercury contamination in Guadalquivir River marshes, Spain, using samarugo, Valencia hispanica, as biological indicator. Rincón F, et al. **Bull Environ Contam Toxicol** 1986 Aug;37(2):253–7

Organochlorine hydrocarbon residues in sediments of two different lagoons of northwest México. Rosales MT, et al. **Bull Environ Contam Toxicol** 1985 Sep;35(3):322–30

Persistence of pentachlorophenol in a wastewater-estuarine aquaculture system. Seidler JJ, et al. **Bull Environ Contam Toxicol** 1986 Jan;36(1):101–8

Mercury in plants, soil, and water from a caustic chlorine industry. Shaw BP, et al. **Bull Environ Contam Toxicol** 1986 Feb;36(2):299–305

Determination of phthalates in aquatic environments. Thurén A. **Bull Environ Contam Toxicol** 1986 Jan;36(1):33–40

Potential formation of bromophenols in Barcelona's tap water due to daily salt mine discharges and occasional phenol spills. Ventura F, et al. **Bull Environ Contam Toxicol** 1986 Feb;36(2):219–25

Hexabromobenzene and its debrominated compounds in river and estuary sediments in Japan. Watanabe I, et al. **Bull Environ Contam Toxicol** 1986 May;36(5):778–84

Confirmation of the presence of the flame retardant decabromobiphenyl ether in river sediment from Osaka, Japan. Watanabe I, et al. **Bull Environ Contam Toxicol** 1986 Jun;36(6):839–42

Trace elements in sediments, water, and American coots (Fulica americana) at a coal-fired power plant in Texas, 1979–1982. White DH, et al. **Bull Environ Contam Toxicol** 1986 Mar;36(3):376–83

Possible sediment scavenging of chlordane and contamination of the aquatic biota in Belmont Lake, New York. Wood LW, et al. **Bull Environ Contam Toxicol** 1986 Feb; 36(2):159–67

Pollution of the water supply in Mersey and Clwyd—a cause for concern? Ashton J. **Community Med** 1985 Nov; 7(4):299–303

Effects of pH on the environmental fate of [14C]aldicarb in an aquatic microcosm. Suorsa KE, et al. **Ecotoxicol Environ Safety** 1986 Feb;11(1):81–90

Aluminum in acidic surface waters: chemistry, transport, and effects. Driscoll CT. **Environ Health Perspect** 1985 Nov; 63:93–104

Influence of acid rain upon water plumbosolvency. Moore MR. **Environ Health Perspect** 1985 Nov;63:121–6

Potential impact of acid precipitation on arsenic and selenium. Mushak P. **Environ Health Perspect** 1985 Nov; 63:105–13

Chemical contamination of water supplies. Shy CM. **Environ Health Perspect** 1985 Oct;62:399–406

Characteristics of Hg-resistant bacteria isolated from Minamata Bay sediment. Nakamura K, et al. **Environ Res** 1986 Jun;40(1):58–67

Drinking-water contribution to natural background radiation. Cothern CR, et al. **Health Phys** 1986 Jan; 50(1):33–47

Comments on 'The natural radioactivity of potable waters in Saudi Arabia' [letter] Holtzman RB. **Health Phys** 1986 Feb;50(2):299–300

Public health standards limiting the concentration of U in drinking water [letter] Johnson CJ. **Health Phys** 1986 Jan; 50(1):169–70

Comparative pathway analysis of radiocesium in the Hudson River Estuary: environmental measurements and regulatory dose assessment models. Linsalata P, et al. **Health Phys** 1986 Sep;51(3):295–312

Food-chain transfer of U-series radionuclides in a northern Saskatchewan aquatic system. Swanson SM. **Health Phys** 1985 Nov;49(5):747–70

Transfer of 137Cs and 60Co in a waste retention pond with emphasis on aquatic insects. Voshell JR Jr, et al. **Health Phys** 1985 Nov;49(5):777–89

The determination of volatile organic-bound halogen (VOH) in water. Greve PA, et al. **IARC Sci Publ** 1985;(68):309–15

The determination of extractable organic-bound halogen (EOH) in water. Greve PA, et al. **IARC Sci Publ** 1985; (68):301–8

Determination of organic-bound halogen in water samples. Introduction. Greve PA, et al. **IARC Sci Publ** 1985; (68):299–300

Water sampling. MacKenzie Peers A. **IARC Sci Publ** 1985; (68):293–6

"Static" head-space determination of volatile organic halogen compounds in water. Piet GJ, et al. **IARC Sci Publ** 1985; (68):321–30

"Dynamic" head-space determination of volatile organic

halogen compounds in water. Piet GJ, et al. **IARC Sci Publ** 1985;(68):331-43

Determination of volatile organic halogen compounds in water samples by head-space gas chromatography. Introduction. Piet GJ, et al. **IARC Sci Publ** 1985; (68):319-20

Formation of trihalomethanes in drinking water. Williams DT. **IARC Sci Publ** 1985;(68):69-88

Two-dimensional treatment of dispersion of pollutants in rivers. de Vilhena MT, et al. **Int J Appl Radiat Isot** 1985 Jul;36(7):569-72

Hydrocarbons and aromatic hydrocarbons in groundwater surrounding an earthen waste disposal pit for produced water in the Duncan oil field of New Mexico. Eiceman GA, et al. **Int J Environ Anal Chem** 1986;24(2):143-62

Polycyclic aromatic hydrocarbons in rock oysters: a baseline study. Kagi R, et al. **Int J Environ Anal Chem** 1985; 22(1-2):135-53

Fate of atrazine and trifluralin from an industrial waste dumping at the Llobregat River. Presence in fish, raw and finished water. Rivera J, et al. **Int J Environ Anal Chem** 1986;24(3):183-91

Determination of heavy metal in drinking waters by X-ray spectroscopy. Tomić S, et al. **Int J Environ Anal Chem** 1985;23(1-2):87-95

One-step extraction and cleanup procedure for determination of p,p'-DDT, p,p'-DDD, and p,p'-DDE in fish. Ahmad N, et al. **J Assoc Off Anal Chem** 1986 Jul-Aug;69(4):581-6

Rapid, semimicro method for determination of polycyclic aromatic hydrocarbons in shellfish by automated gel permeation/liquid chromatography. Musial CJ, et al. **J Assoc Off Anal Chem** 1986 May-Jun;69(3):462-6

Determination of halogenated phenols in raw and potable water by selected ion gas chromatography-mass spectrometry. Sithole BB, et al. **J Assoc Off Anal Chem** 1986 May-Jun;69(3):466-73

Identification of O,O-dialkyl-S-methylphosphorodithioate residues in fish. Yurawecz MP, et al. **J Assoc Off Anal Chem** 1986 Mar-Apr;69(2):214-7

Identification of cis- and trans-1,1,2,3,4-pentachloro-4-[1-methylethoxy]-1,3-butadiene residues in Mississippi River fish. Yurawecz MP, et al. **J Assoc Off Anal Chem** 1986 Jul-Aug;69(4):586-91

Fate of foreign compounds in the environment. Anderson AC, et al. **J Community Health** 1985 Fall;10(3):172-9

Trace metal residues in finfish from Maryland waters, 1978-1979. Eisenberg M, et al. **J Environ Sci Health [B]** 1986 Feb;21(1):87-102

Organochlorine residues in finfish from Maryland waters 1976-1980. Eisenberg M, et al. **J Environ Sci Health [B]** 1985 Dec;20(6):729-42

Concentrations of 20 volatile organic compounds in the air and drinking water of 350 residents of New Jersey compared with concentrations in their exhaled breath. Wallace L, et al. **J Occup Med** 1986 Aug;28(8):603-8

Leads from the MMWR. Blood lead levels among office workers--New York City. **JAMA** 1986 Jun 20; 255(23):3225, 3229

Leukemia and radium groundwater contamination [letter] Tracy BL, et al. **JAMA** 1986 Jun 27;255(24):3365-6

Studies on the familial character of endemic Balkan nephropathy. Possible role of the toxic hydric factor in the determination of "familial agglomerations" in endemic Balkan nephropathy. Nichifor E, et al. **Med Interne** 1985 Jul-Sep;23(3):229-37

Blood lead levels among office workers--New York City. **MMWR** 1986 May 9;35(18):298-300

A new micronucleus test using peripheral blood erythrocytes of the newt Pleurodeles waltl to detect mutagens in fresh-water pollution. Jaylet A, et al. **Mutat Res** 1986 Aug; 164(4):245-57

Mutagenic activity in humic water and alum flocculated humic water treated with alternative disinfectants. Backlund P, et al. **Sci Total Environ** 1985 Dec;47:257-64

Identification of chlorinated compounds in the spent chlorination liquor from differently treated sulphite pulps with special emphasis on mutagenic compounds. Carlberg GE, et al. **Sci Total Environ** 1986 Feb;48(3):157-67

Organic micropollutants in drinking water: an overview. Cotruvo JA. **Sci Total Environ** 1985 Dec;47:7-26 (11 ref.)

Epidemiologic studies of organic micropollutants in drinking water. Craun GF. **Sci Total Environ** 1985 Dec;47:461-72 (19 ref.)

Wet deposition of polycyclic aromatic hydrocarbons in The Netherlands. den Hollander H, et al. **Sci Total Environ** 1986 Jul;52(3):211-9

The budget of lead, copper and cadmium for a major highway. Harrison RM, et al. **Sci Total Environ** 1985 Nov; 46:137-45

Radio-iodine in thyroid glands of swans, farm animals and humans, also in algae and river water from the Thames Valley, England. Howe JR, et al. **Sci Total Environ** 1986 Jan;48(1-2):13-31

World Health Organization guidelines on organic micropollutants. Lewis WM. **Sci Total Environ** 1985 Dec; 47:83-91

Arsenobetaine in the red crab, Chionoecetes opilio. Matsuto S, et al. **Sci Total Environ** 1986 Jan;48(1-2):133-40

Investigation of mine and industry dumps in the FRG in relation to a possible release of natural radioactive elements. Schnitz J. **Sci Total Environ** 1985 Oct;45:85-91

Impact of different types of organic micropollutants present on sources of drinking water on the quality of drinking water. Sontheimer H, et al. **Sci Total Environ** 1985 Dec; 47:27-44

Chromium, nickel, copper, zinc, arsenic, selenium, cadmium, mercury and lead in Dutch fishery products 1977-1984. Vos G, et al. **Sci Total Environ** 1986 Jun;52(1-2):25-40

A comparison of methods for concentrating mutagens in drinking water--recovery aspects and their implications for the chemical character of major unidentified mutagens. Wigilius B, et al. **Sci Total Environ** 1985 Dec;47:265-72

Fate of synthetic organic chemicals in soil-groundwater systems. Pancorbo OC, et al. **Vet Hum Toxicol** 1986 Apr; 28(2):127-43 (148 ref.)

Groundwater quality today and tomorrow. Forslund J. **World Health Stat Q** 1986;39(1):81-92 **(Eng, Pre)**

Spectrophotometric determination of nitrite. Balasubramanian N, et al. **Z Gesamte Hyg** 1986 Mar; 32(3):156-7

Organochlorine pesticides and polychlorinated biphenyls in cod from the southern Baltic, 1983. Falandysz J. **Z Lebensm Unters Forsch** 1986 Feb;182(2):136-9

Organochlorine pesticides and polychlorinated biphenyls in herring from the southern Baltic, 1983. Falandysz J. **Z Lebensm Unters Forsch** 1986 Feb;182(2):131-5

Trace metals in cod from the southern Baltic, 1983. Falandysz J. **Z Lebensm Unters Forsch** 1986 Mar;182(3):228-31

Organochlorine pesticides and polychlorinated biphenyls in livers of cod from the southern Baltic, 1983. Falandysz J. **Z Lebensm Unters Forsch** 1986 Mar;182(3):224-7

Trace metals in flatfish from the southern Baltic, 1983. Falandysz J. **Z Lebensm Unters Forsch** 1985 Aug; 181(2):117-20

Organochlorine pesticides and polychlorinated biphenyls in flatfish from the southern Baltic, 1983. Falandysz J. **Z Lebensm Unters Forsch** 1985 Nov;181(5):370-4

Organochlorine pesticides and polychlorinated biphenyls in sprats from the southern Baltic, 1983. Falandysz J. **Z Lebensm Unters Forsch** 1985 Dec;181(6):482-5

[Determination of anionic surfactants in water with a high salt content] Yang Y. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1984 Nov; 18(6):362-3 **(Chi)**

[Fluorescent compounds in drinking water of blackfoot disease endemic areas: animal experimental model] Lu FJ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Apr;85(4):352-8 (Eng. Abstr.) **(Chi)**

[Drinking water pollutants--their monitoring and elimination exemplified by lead and halogenated hydrocarbons] Kroh W. **Off Gesundheitswes** 1985 Aug;47(8):382-5 **(Ger)**

[Lead in drinking water of a district city--report of the public health office] Stolle W. **Off Gesundheitswes** 1985 Nov; 47(11):571-4 (Eng. Abstr.) **(Ger)**

[Trends in the detection of substance transport processes in ground water in waste deposits using numerical models] Brill V, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1986; 64:157-70 **(Ger)**

[Use of plant treatment substances in agriculture and their effects on ground water] Friesel P, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1985;65:357-66 **(Ger)**

[Knowledge of ground water contamination caused by volatile chlorinated hydrocarbons in Pleistocene glaciofluvial sediments and deposits for preventive and restorative measures] Hagendorf U. **Schriftenr Ver Wasser Boden Lufthyg** 1986;64:45-63 **(Ger)**

[Preliminary studies for gathering ground water samples in areas of potential ground water modification by plant treatment agents] Kiper M. **Schriftenr Ver Wasser Boden Lufthyg** 1986;64:85-96 **(Ger)**

[Status and tasks of the environmental health evaluation of clarifying slurry and dredged material disposal] Leschber R. **Schriftenr Ver Wasser Boden Lufthyg** 1986;64:151-6 **(Ger)**

[Effects of acid precipitation on soil and ground water] Lorenz H, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1985; 65:351-6 **(Ger)**

[Status of knowledge about substance pollution of soil and ground water by acid precipitates in forests] Lorenz H. **Schriftenr Ver Wasser Boden Lufthyg** 1986;64:119-49 **(Ger)**

[Protection and restoration of soil and ground water] Milde G. **Schriftenr Ver Wasser Boden. Lufthyg** 1986;64:21-9 **(Ger)**

[Development of the direction of investigation in soil and water public health of the Institute of Water, Soil and Air Public Health] Milde G, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1986;64:1-19 **(Ger)**

[Hygienic problems concerning the use of water front filtrates for water supplies] Mühlhausen D. **Schriftenr Ver Wasser Boden Lufthyg** 1985;65:341-9 **(Ger)**

[Behavior of organic water pollutants in shore filtration] Mühlhausen D. **Schriftenr Ver Wasser Boden Lufthyg** 1986; 64:107-18 **(Ger)**

[Studies of soil emanations using capillary gas chromatography and ECD-FID serial detection for localizing soil and ground water contamination] Neumayr V. **Schriftenr Ver Wasser Boden Lufthyg** 1986;64:65-84 **(Ger)**

[Methodologic studies of the characterization of organic ground water pollutants using high pressure liquid chromatography] Steiner B. **Schriftenr Ver Wasser Boden Lufthyg** 1986;64:97-106 **(Ger)**

[Changes in analytical parameters in mixed reflux waters] Forgione P, et al. **Boll Soc Ital Biol Sper** 1985 Jul 30; 61(7):995-1001 (Eng. Abstr.) **(Ita)**

[Distribution and morphological characterization of chemical substances in environment. 2. Analysis of trace organic compounds in the aquatic environment] Akiyama T, et al. **Sangyo Ika Daigaku Zasshi** 1986 Mar 20;8 Suppl:334-43 (Eng. Abstr.) **(Jpn)**

[Lead level in the blood of Cracow inhabitants in relation to its concentration in air and water] Zielonka E, et al. **Folia Med Cracov** 1986;27(1-2):37-52 (Eng. Abstr.) **(Pol)**

[Determining selected pesticides, nitrates and nitrites in surface and underground waters and in various agricultural products. I] Galamon T, et al. **Rocz Panstw Zakl Hig** 1985; 36(6):455-60 (Eng. Abstr.) **(Pol)**

[A device for the quantitative collection of samples of periphyton and sediment from the walls of water reservoirs] Luczak J, et al. **Rocz Panstw Zakl Hig** 1985;36(5):400-5 (Eng. Abstr.) **(Pol)**

[Nitrite and nitrate levels in drinking water and in water from various natural and artificial reservoirs] Wrześniowska K. **Rocz Panstw Zakl Hig** 1986;37(1):17-21 (Eng. Abstr.) **(Pol)**

[Assessment of the hydrocarbon pollution of the atmosphere of populated sites and of reservoir water] Bezkopyl'nyĭ IN. **Gig Sanit** 1985 Oct;(10):16-8 (Eng. Abstr.) **(Rus)**

[Determination of the parent substances of heterofos and etafos synthesis in reservoir water] Drobiazko VP, et al. **Gig Sanit** 1986 Jun;(6):61-2 **(Rus)**

[Potential use of vapor-phase analysis for controlling aphos residues in the water and soil] Goncharuk EI, et al. **Gig Sanit** 1986 Apr;(4):70-1 **(Rus)**

[Determination of monochlorotoluenes in water] Kozlova VS. **Gig Sanit** 1986 Feb;(2):53-4 **(Rus)**

[Determination of the para-chlorobenzotrifluoride and toluene content in water] Kozlova VS, et al. **Gig Sanit** 1986 Jan;(1):35-7 **(Rus)**

[Rapid method of sample preparation and polarography determination of lead, zinc, copper, cadmium and nickel in water] Martynenko RB, et al. **Gig Sanit** 1985 Oct; (10):44-5 **(Rus)**

[Determination of mercury in natural waters and sewage] Ovrutskiĭ MI, et al. **Gig Sanit** 1986 Apr;(4):59 **(Rus)**

[Rapid photometric method for determining silver in the drinking water on board ships] Pilipenko AT, et al. **Gig Sanit** 1986 Jan;(1):34-5 **(Rus)**

[Spectrophotometric determination of alpha-isophorone in water] Shtivel' NKh, et al. **Gig Sanit** 1986 Jan;(1):69 **(Rus)**

[Accumulation of polycyclic arenes in Baltic Sea algae] Veldre IA, et al. **Vopr Onkol** 1985;31(10):76-81 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Removal of endotoxin from water by microfiltration through a microporous polyethylene hollow-fiber membrane. Sawada Y, et al. **Appl Environ Microbiol** 1986 Apr; 51(4):813-20

Water contamination and environmental mutagens. Loper JC. **Basic Life Sci** 1985;34:43-61

PCB removal by conventional water treatment: effect of chemical coagulation and chlorination. Aly OA, et al. **Bull Environ Contam Toxicol** 1986 Jun;36(6):929-34

Identification and assessment of hazardous compounds in drinking water. Fawell JK, et al. **Sci Total Environ** 1985 Dec;47:317-41 (67 ref.)

Liquid chromatographic determination of the fungicide iprodione in surface water, using on-line preconcentration. Goewie CE, et al. **Sci Total Environ** 1985 Dec;47:349-60

Chloropicrin formation during oxidative treatments in the preparation of drinking water. Merlet N, et al. **Sci Total Environ** 1985 Dec;47:223-8

The influence of water treatment processes on the presence of organic surrogates and mutagenic compounds in water. Van der Gaag MA, et al. **Sci Total Environ** 1985 Dec; 47:137-53

Progress in the isolation and characterization of non-volatile mutagens in a drinking-water. van Rossum PG. **Sci Total Environ** 1985 Dec;47:361-70

METABOLISM

Pentachlorophenol degradation: a pure bacterial culture and an epilithic microbial consortium. Brown EJ, et al. **Appl Environ Microbiol** 1986 Jul;52(1):92-7

Fate of 2,4-D entering a freshwater aquatic environment. DeLaune RD, et al. **Bull Environ Contam Toxicol** 1985 Oct;35(4):564-8

Effects of suspended solids on the biotransformation of acenaphthene. Hall WS, et al. **Bull Environ Contam Toxicol** 1986 Feb;36(2):286-93

Bioconcentration of lipophilic compounds by some aquatic organisms. Hawker DW, et al. **Ecotoxicol Environ Safety** 1986 Apr;11(2):184-97

Metabolism of n-alkanes and their incorporation into lipids in the rainbow trout. Cravedi JP, et al. **Environ Res** 1986 Feb;39(1):180-7

Stereological analyses of hepatocyte changes parallel arsenic

accumulation in the livers of green sunfish. Sorensen EM, et al. J Environ Pathol Toxicol Oncol 1985 Nov-Dec; 6(2):195–210

Relation between water solubility, octanol/water partition coefficients, and bioconcentration of organic chemicals in fish: a review. van Gestel CA, et al. Regul Toxicol Pharmacol 1985 Dec;5(4):422–31 (43 ref.)

POISONING

Nitrates in ground and drinking water: analysis of policies and regulations. Conrad J. Sci Total Environ 1986 May; 51:209–25

[Chronic endemic regional hydroarsenicism. The manifestations of arsenic poisoning caused by drinking water] Grinspan D, et al. Med Cutan Ibero Lat Am 1985; 13(2):85–109 (Eng. Abstr.) (Spa)

TOXICITY

Heavy metal pollutant induced changes in some biochemical parameters in the freshwater fish Clarias batrachus L. Jana S, et al. Acta Physiol Hung 1986;68(1):39–43

Effect of toluene on fathead minnow (Pimephales promelas Rafinesque) development. Devlin EW, et al. Arch Environ Contam Toxicol 1985 Sep;14(5):595–603

Population trends, reproductive success, and organochlorine chemical contaminants in waterbirds nesting in Galveston Bay, Texas. King KA, et al. Arch Environ Contam Toxicol 1986 Jul;15(4):367–76

Two short-term toxicity tests for the calanoid copepod Eurytemora herdmani using a complex effluent. Marcy M. Arch Environ Contam Toxicol 1986 Feb;15(2):199–205

Effect of pollution on some freshwater species. II. Bioaccumulation and toxic effects of experimental lead pollution on the ganglia in Viviparus ater (Mollusca, Gastropoda). Bolognani Fantin AM, et al. Basic Appl Histochem 1985;29(4):377–87

Lethal toxicity of cadmium to Cyprinus carpio and Tilapia aurea. Abel PD, et al. Bull Environ Contam Toxicol 1986 Sep;37(3):382–6

Acute toxicity of four phenoxy herbicides to aquatic organisms. Alexander HC, et al. Bull Environ Contam Toxicol 1985 Sep;35(3):314–21

Cadmium and zinc reversibly arrest development of Artemia larvae. Bagshaw JC, et al. Bull Environ Contam Toxicol 1986 Aug;37(2):289–96

Effects of paraquat and glyphosate on growth, respiration, and enzyme activity of aquatic bacteria. Chan KY, et al. Bull Environ Contam Toxicol 1986 Jan;36(1):52–9

Crude dubai oil toxicity on some fresh-water invertebrates. Cotta Ramusino M, et al. Bull Environ Contam Toxicol 1986 Jan;36(1):150–8

Growth and photosynthetic response of a freshwater alga, Selenastrum capricornutum, to an oil shale by-product water. Delistraty D. Bull Environ Contam Toxicol 1986 Jan; 36(1):114–21

Masculinization of female mosquitofish by exposure to plant sterols and Mycobacterium smegmatis. Denton TE, et al. Bull Environ Contam Toxicol 1985 Nov;35(5):627–32

Use of adenylate energy charge as a physiological indicator in toxicity experiments. Din ZB, et al. Bull Environ Contam Toxicol 1986 Jan;36(1):1–8

Observations of bluegills fed selenium-contaminated Hexagenia nymphs collected from Belews Lake, North Carolina. Finley KA. Bull Environ Contam Toxicol 1985 Dec;35(6):816–25

Acute toxicity of aldicarb, aldicarb sulfoxide, and aldicarb sulfone to Daphnia laevis. Foran JA, et al. Bull Environ Contam Toxicol 1985 Oct;35(4):546–50

Absence of histopathological response to cadmium in gill and digestive diverticula of the mussel, Mytilus edulis. Giraud AS, et al. Bull Environ Contam Toxicol 1986 Jan; 36(1):146–9

Survival of Salmo gairdneri (rainbow trout) in the zinc polluted Molonglo River near Captains Flat, New South Wales, Australia. Graham GA, et al. Bull Environ Contam Toxicol 1986 Feb;36(2):186–91

Acute toxicity of cadmium and sodium pentachlorophenate to daphnids and fish. Hall WS, et al. Bull Environ Contam Toxicol 1986 Aug;37(2):308–16

Effects of four agricultural pesticides on Daphnia pulex, Lemna minor, and Potamogeton pectinatus. Hartman WA, et al. Bull Environ Contam Toxicol 1985 Nov;35(5):646–51

Renewal device for test solutions in Daphnia toxicity tests. Jop KM, et al. Bull Environ Contam Toxicol 1986 Jan; 36(1):95–100

Toxicity of coal gasifier solid waste to the aquatic plants Selenastrum capricornutum and Spirodela oligorhiza. Klaine SJ. Bull Environ Contam Toxicol 1985 Oct; 35(4):551–5

Contamination and growth of the shrimp, Penaeus stylirostris Stimpson, cultured in a seawater/wastewater aquaculture system. Landau M, et al. Bull Environ Contam Toxicol 1985 Oct;35(4):537–45

Biochemical responses of bacteria after short exposure to alkyltins. Liu D, et al. Bull Environ Contam Toxicol 1986 Jan;36(1):60–6

Acute toxicity of methyl mercury to the larval lamprey, Petromyzon marinus. Maliatt J, et al. Bull Environ Contam Toxicol 1986 Aug;37(2):281–8

Acute toxicity and accumulation of zinc in the crayfish, Orconectes virilis (Hagen). Mirenda RJ. Bull Environ Contam Toxicol 1986 Sep;37(3):387–94

Aquatic toxicity evaluated using human and monkey cell culture assays. Mochida K. Bull Environ Contam Toxicol 1986 Apr;36(4):523–6

Egg mortality of Lake Geneva charr (Salvelinus alpinus L.) contaminated by PCB and DDT derivatives. Monod G. Bull Environ Contam Toxicol 1985 Oct;35(4):531–6

Effect of atrazine on the productivity of artificial stream algal communities. Moorhead DL, et al. Bull Environ Contam Toxicol 1986 Sep;37(3):330–6

Acute toxicity of hydrothol 191 to phytoplankton and rainbow trout. Mudge JE, et al. Bull Environ Contam Toxicol 1986 Sep;37(3):350–4

Submicroscopic hepatic and renal pathology of a teleost maintained in sewage. Narain AS, et al. Bull Environ Contam Toxicol 1986 Aug;37(2):266–73

Chlorinated phenolics and their conjugates in the bile of trout (Salmo gairdneri) exposed to contaminated waters. Oikari A, et al. Bull Environ Contam Toxicol 1985 Dec;35(6):802–9

Nonaccumulation of chlorinated dioxins and furans by goldfish exposed to contaminated sediment and flyash. O'Keefe PW, et al. Bull Environ Contam Toxicol 1986 Mar; 36(3):452–9

Effect of extended sublethal exposure to sodium selenite on Ceriodaphnia affinis. Owsley JA, et al. Bull Environ Contam Toxicol 1986 Jun;36(6):876–80

Cadmium accumulation and ultrastructural alterations in oogenesis of the prawn Palaemon serratus (Pennant). Papathanassiou E. Bull Environ Contam Toxicol 1986 Feb; 36(2):192–8

Ammonium sulfate induced nuclear changes in the oocyte of the fish, Channa punctatus (Bi.). Ram RN, et al. Bull Environ Contam Toxicol 1986 Jun;36(6):871–5

Changes in acid phosphatase activity in tissues of crab, Oziotelphusa senex, following exposure to methyl parathion. Reddy PS, et al. Bull Environ Contam Toxicol 1986 Jul;37(1):106–12

Acute metal toxicology of olfaction in coho salmon: behavior, receptors, and odor-metal complexation. Rehnberg BC, et al. Bull Environ Contam Toxicol 1986 Apr;36(4):579–86

Survival and hepatic metallothionein in developing rainbow trout exposed to a mixture of zinc, copper, and cadmium. Roch M, et al. Bull Environ Contam Toxicol 1986 Feb; 36(2):168–75

Induction of chromosomal aberrations in the mussel Mytilus galloprovincialis watch. Al-Sabti K, et al. Bull Environ Contam Toxicol 1985 Nov;35(5):660–5

Toxicity of zinc to a viviparous fish, Lebistes reticulatus (Peters). Sehgal R, et al. Bull Environ Contam Toxicol 1986 Jun;36(6):888–94

Toxic effects of acrylamide in a freshwater fish, Heteropneustes fossilis. Shanker R, et al. Bull Environ Contam Toxicol 1986 Aug;37(2):274–80

Variable sensitivity of rainbow trout (Salmo gairdneri) eggs and alevins to heavy metals. Shazili NA, et al. Bull Environ Contam Toxicol 1986 Mar;36(3):468–74

Impairment of thyroid activity in Sarotherodon mossambicus due to DDT treatment. Shukla L, et al. Bull Environ Contam Toxicol 1986 Jan;36(1):132–9

Effects of endosulphan on the hypothalamo hypophysial complex and fish reproductive physiology. Shukla L, et al. Bull Environ Contam Toxicol 1986 Jan;36(1):122–31

Mortality of smolt of Atlantic salmon, Salmo salar L., at low levels of aluminium in acidic softwater. Skogheim OK, et al. Bull Environ Contam Toxicol 1986 Aug;37(2):258–65

Free amino acid pattern in blue mussel (Mytilus edulis) exposed to crude oil. Soini J, et al. Bull Environ Contam Toxicol 1985 Dec;35(6):810–5

Acute toxicity of pentachlorophenol to the freshwater snail, Gillia altilis. Stuart RJ, et al. Bull Environ Contam Toxicol 1985 Nov;35(5):633–40

Metabolic enzyme induction in the rat by organic river sediment pollutants. Tabata M, et al. Bull Environ Contam Toxicol 1986 Aug;37(2):180–6

Toxicity of dibutyl phthalate-contaminated sediment to laboratory- and field-colonized estuarine benthic communities. Tagatz ME, et al. Bull Environ Contam Toxicol 1986 Jul;37(1):141–50

Impact of pulp and paper mill effluent on egg hatchability of pike (Esox lucius L.). Tana J, et al. Bull Environ Contam Toxicol 1986 May;36(5):738–43

Mutagenicity, acute toxicity, and bioaccumulation potential of six chlorinated styrenes. Tarkpea M, et al. Bull Environ Contam Toxicol 1985 Oct;35(4):525–30

Field and laboratory tests on acute toxicity of cadmium to freshwater crayfish. Thorp JH, et al. Bull Environ Contam Toxicol 1986 Sep;37(3):355–61

Effect of substituted phenols on transaminase activity in the fish, Leuciscus idus melanotus L. Tiedge H, et al. Bull Environ Contam Toxicol 1986 Feb;36(2):176–80

Acute toxicity of ammonia, nitrite, and nitrate to the guadalupe bass, Micropterus treculi. Tomasso JR, et al. Bull Environ Contam Toxicol 1986 Jun;36(6):866–70

Evaluation of metabolic responses of Artemia salina to oil and oil dispersant as a potential indicator of toxicant stress. Verriopoulos G, et al. Bull Environ Contam Toxicol 1986 Mar;36(3):444–51

Specificity of acquired cadmium tolerance in the fiddler crab, Uca pugilator. Weis JS, et al. Bull Environ Contam Toxicol 1986 Sep;37(3):362–8

Malignant neoplasms among residents of a blackfoot disease-endemic area in Taiwan: high-arsenic artesian well water and cancers. Chen CJ, et al. Cancer Res 1985 Nov; 45(11 Pt 2):5895–9

Toxic chemicals in sediments and biota from a creosote-polluted harbor: relationships with hepatic neoplasms and other hepatic lesions in English sole (Parophrys vetulus). Malins DC, et al. Carcinogenesis 1985 Oct;6(10):1463–9

Aquatic toxicity: a predictive structure-activity model. Komatsu K, et al. Chem Pharm Bull (Tokyo) 1985 Sep; 33(9):4081–4

The effects of pentachlorophenol, phenol and other pollutants on the liver of carp (Cyprinus carpio L.). Yousri R, et al. Comp Biochem Physiol [C] 1985;82(2):283–90

Disturbance of a met-enkephalin-like hormone in the hepatopancreas of crabs contaminated by metals. Amiard-Triquet C, et al. Ecotoxicol Environ Safety 1986 Apr;11(2):198–209

In vitro cytotoxicity testing of aquatic pollutants (cadmium, copper, zinc, nickel) using established fish cell lines. Babich H, et al. Ecotoxicol Environ Safety 1986 Feb;11(1):91–9

Effects of metal salt mixtures on Daphnia magna reproduction. Biesinger KE, et al. Ecotoxicol Environ Safety 1986 Feb;11(1):9–14

Effects of pH on the acute toxicity and uptake of [14C]pentachlorophenol in the midge, Chironomus riparius. Fisher SW, et al. Ecotoxicol Environ Safety 1986 Feb; 11(1):1–8

Relative toxicity of technical material and commercial formulation of malathion and endosulfan to a freshwater fish, Channa punctatus (Bloch). Haider S, et al. Ecotoxicol Environ Safety 1986 Jun;11(3):347–51

Early life-stage toxicity test methods for gulf toadfish (Opsanus beta) and results using chlorpyrifos. Hansen DJ, et al. Ecotoxicol Environ Safety 1986 Feb;11(1):15–22

Tolerance to cadmium and cadmium-binding ligands in Great Salt Lake brine shrimp (Artemia salina). Jayasekara S, et al. Ecotoxicol Environ Safety 1986 Feb;11(1):23–30

In vivo modification of fatty acids and glycerides metabolism in response to 1,2,3,4,5,6-hexachlorocyclohexane and cythion exposure in the catfish, Clarias batrachus. Lal B, et al. Ecotoxicol Environ Safety 1986 Jun;11(3):295–307

A behavioral assay for assessing effects of pollutants on fish chemoreception. Lemly AD, et al. Ecotoxicol Environ Safety 1986 Apr;11(2):210–8

Toxicology of selenium in a freshwater reservoir: implications for environmental hazard evaluation and safety. Lemly AD. Ecotoxicol Environ Safety 1985 Dec; 10(3):314–38

Pathomorphological changes in gills of fish fingerlings (Cirrhina mrigala) by linear alkyl benzene sulfonate. Misra V, et al. Ecotoxicol Environ Safety 1985 Dec;10(3):302–8

Subacute physiological effects of bleached kraft mill effluent (BKME) on the liver of trout, Salmo gairdneri. Oikari AO, et al. Ecotoxicol Environ Safety 1985 Oct;10(2):159–72

Effect of a mercurial fungicide on the gonadal development of the teleostean fish Channa punctatus (Bloch). Ram RN, et al. Ecotoxicol Environ Safety 1986 Jun;11(3):352–60

Inclusion bodies: formation and degeneration of the oocytes in the fish Channa punctatus (Bloch) in response to ammonium sulfate treatment. Ram RN, et al. Ecotoxicol Environ Safety 1986 Jun;11(3):272–6

Effect of fenitrothion on reproduction of the freshwater prawn Macrobrachium lamerrii. Sarojini R, et al. Ecotoxicol Environ Safety 1986 Jun;11(3):243–50

Effects of 1,2,4-trichlorobenzene on estuarine macrobenthic communities exposed via water and sediment. Tagatz ME, et al. Ecotoxicol Environ Safety 1985 Dec;10(3):351–60

The histological and biochemical effects of cadmium exposure in the bluegill sunfish (Lepomis macrochirus). Versteeg DJ, et al. Ecotoxicol Environ Safety 1986 Feb; 11(1):31–43

Environmental fate and aquatic toxicology studies on phthalate esters. Group EF Jr. Environ Health Perspect 1986 Mar;65:337–40

Potential health implications for acid precipitation, corrosion, and metals contamination of drinking water. Sharpe WE, et al. Environ Health Perspect 1985 Nov;63:71–8

In vitro induction of sister chromatid exchanges and chromosomal aberrations in peripheral lymphocytes of the oyster toadfish and American eel. Ellingham TJ, et al. Environ Mutagen 1986;8(4):555–69

Effects of chrysotile asbestos on coho salmon and green sunfish: evidence of behavioral and pathological stress. Belanger SE, et al. Environ Res 1986 Feb;39(1):74–85

Effect of pesticide on circulating thyroid hormone levels in the freshwater catfish, Heteropneustes fossilis (Bloch). Yadav AK, et al. Environ Res 1986 Feb;39(1):136–42

Chronic toxicity and three-generation reproduction study of styrene monomer in the drinking water of rats. Beliles RP, et al. Fundam Appl Toxicol 1985 Oct;5(5):855–68

Evaluation of mutagenic and carcinogenic properties of brominated and chlorinated acetonitriles: by-products of chlorination. Bull RJ, et al. Fundam Appl Toxicol 1985 Dec; 5(6 Pt 1):1065–74

Genotoxic properties of haloacetonitriles: drinking water by-products of chlorine disinfection. Daniel FB, et al. Fundam Appl Toxicol 1986 Apr;6(3):447–53

The subchronic toxicity of tetrachloroethylene (perchloroethylene) administered in the drinking water of rats. Hayes JR, et al. Fundam Appl Toxicol 1986 Jul; 7(1):119–25

A re-examination of the toxicity test for water pollutants. Hiraoka Y. **Hiroshima J Med Sci** 1985 Sep;34(3):323–6
Chemical analysis of internal environmental response of carp Puntius stigma to DDT. Mustafa S, et al. **Int J Environ Anal Chem** 1985;22(1–2):155–9
Detection of teratogenic substances in acidic mine water samples using the frog embryo teratogenesis assay—Xenopus (FETAX). Dawson DA, et al. **J Appl Toxicol** 1985 Aug;5(4):234–44
Development of aquarium fish models for environmental carcinogenesis: tumor induction in seven species. Hawkins WE, et al. **J Appl Toxicol** 1985 Aug;5(4):261–4
Pathology and tumor development through time in guppies dosed with diethylnitrosamine (DEN). Parland WK, et al. **J Appl Toxicol** 1985 Aug;5(4):265–72
Development of aquarium fish models for environmental carcinogenesis: an intermittent-flow exposure system for volatile, hydrophobic chemicals. Walker WW, et al. **J Appl Toxicol** 1985 Aug;5(4):255–60
Effects of environmental toxicants on development of a teleost embryo. Crawford RB, et al. **J Environ Pathol Toxicol Oncol** 1985 Nov–Dec;6(2):185–94
Oil refinery effluents: evidence of cocarcinogenic activity in the trout embryo microinjection assay. Metcalfe CD, et al. **JNCI** 1985 Dec;75(6):1091–7
High levels of mutagenic activity in chlorinated drinking water in Finland. Vartiainen T, et al. **Mutat Res** 1986 Jan–Feb;169(1–2):29–34
Ecological basis for regulating aquatic emissions from the power industry: the case with selenium. Lemly AD. **Regul Toxicol Pharmacol** 1985 Dec;5(4):465–86
Effect of heavy metals on fish—a review. Shukla NP, et al. **Rev Environ Health** 1985;5(1):87–99 (46 ref.)
Carcinogenic and mutagenic properties of chemicals in drinking water. Bull RJ. **Sci Total Environ** 1985 Dec; 47:385–413 (72 ref.)
Target organ toxicology of halocarbons commonly found contaminating drinking water. Condie LW. **Sci Total Environ** 1985 Dec;47:433–42 (24 ref.)
Evaluation of different treatment processes with respect to mutagenic activity in drinking water. Kool HJ, et al. **Sci Total Environ** 1985 Dec;47:229–56
Xenobiotic and endobiotic induction of mixed function monooxygenase in carp Cyprinus carpio. Singh H, et al. **Sci Total Environ** 1985 Aug;44(2):123–33
Mutagenicity testing of water with fish: a step forward to a reliable assay. Van der Gaag MA, et al. **Sci Total Environ** 1985 Dec;47:293–8
Results of a 90-day toxicity study on 1,2,3- and 1,1,2-trichloropropane administered via the drinking water. Villeneuve DC, et al. **Sci Total Environ** 1985 Dec;47:421–6
Carcinogenicity study in rats with a mixture of eleven volatile halogenated hydrocarbon drinking water contaminants. Wester PW, et al. **Sci Total Environ** 1985 Dec;47:427–32
[Study model of the mid-range ecotoxicity of chemical substances] Jouany JM, et al. **C R Acad Sci [III]** 1985; 301(13):615–9 (Eng. Abstr.) **(Fre)**
[Environmental public health evaluations and waste water additions with biotests] Hansen PD. **Schriftenr Ver Wasser Boden Lufthyg** 1985;65:271–8 **(Ger)**
[Nitrates in drinking water and possible transformation products—occurrence and risks] Petri H. **Schriftenr Ver Wasser Boden Lufthyg** 1985;65:235–49 **(Ger)**
[Mutagenicity tests on organic chemical contaminants in city water and related compounds. I. Bacterial mutagenicity tests] Nohmi T, et al. **Eisei Shikenjo Hokoku** 1985; (103):60–4 (Eng. Abstr.) **(Jpn)**
[Mutagenicity tests on organic chemical contaminants in city water and related compounds. II. Chromosome aberration tests in cultured mammalian cells] Sofuni T, et al. **Eisei Shikenjo Hokoku** 1985;(103):64–75 (Eng. Abstr.) **(Jpn)**
[Hygienic establishment of the maximum permissible concentration of thioacylanilide in reservoir water] Alzvert LG, et al. **Gig Sanit** 1986 Feb;(2):72–4 **(Rus)**
[Use of a method of accelerated hygienic standardization for the chemical content in reservoir water exemplified by adipic and sebacic acids] Andreev IA. **Gig Sanit** 1985 Jul; (7):10–3 (Eng. Abstr.) **(Rus)**
[Establishment of the maximum permissible concentrations of toluin and its analogs in reservoir water] Bakhritdinov ShS. **Gig Sanit** 1986 Feb;(2):75–7 **(Rus)**
[Basis for the hygienic standard for evisect (N,N-dimethyl-1,2,3-trithianoxalate) in the water of water bodies] Budnikov DA, et al. **Gig Sanit** 1985 Nov;(11):71–2 **(Rus)**
[Experimental data for substantiating the maximum permissible concentration of ricid-P in the water of water bodies] Chura DA, et al. **Gig Sanit** 1985 Nov;(11):75–6 **(Rus)**
[Experimental substantiation of the maximum permissible level of hexachloroparaxylol in reservoir water] Deviatka DG, et al. **Gig Sanit** 1986 May;(5):62 **(Rus)**
[Hygienic establishment of the maximum permissible concentration of para-aminobenzoic acid and its transformation products in reservoir water] Ilichkina AG, et al. **Gig Sanit** 1985 Jul;(7):74–6 **(Rus)**
[Hazards of the redistribution of chemical and biological pollutants in an aqueous environment] Il'in IE. **Gig Sanit** 1986 Jun;(6):8–11 (Eng. Abstr.) **(Rus)**
[Establishment of hygienic standards for polymethine-class cationic dyes in reservoir water] Korolev AA, et al. **Gig Sanit** 1986 Jan;(1):61–2 **(Rus)**
[Methodological bases for selecting for hygienic research priority halogen-containing compounds possessing delayed biological effects] Krasovskii GN, et al. **Gig Sanit** 1985 Oct;(10):33–5 **(Rus)**
[Experimental study of the effect of combinations of chemical water pollutants on carcinogenesis] Litvinov NN, et al. **Gig Sanit** 1985 Dec;(12):8–10 (Eng. Abstr.) **(Rus)**
[Hygienic standards for the non-ionogenic surfactants prevocel NG-12 and prevocel WOFP-100-NF in the water of water bodies] Mukhametshin ZA. **Gig Sanit** 1985 Nov;(11):73–4 **(Rus)**
[Hygienic basis for the maximum permissible concentration of petrochemical emulsol in reservoir water] Nagornyi PA, et al. **Gig Sanit** 1985 Oct;(10):64 **(Rus)**
[Establishment of the maximum permissible concentration of ETM-brand resin in reservoir water] Rogov II. **Gig Sanit** 1985 Oct;(10):65–6 **(Rus)**
[Data on the hygienic regulation of the content of acid anthraquinone dyes in reservoir water] Shafirov IuB, et al. **Gig Sanit** 1985 Oct;(10):66–7 **(Rus)**
[Hygienic standard for hexavalent chromium in reservoir water taking into account its skin resorptive action] Skorniakova LG, et al. **Gig Sanit** 1986 Jan;(1):14–6 (Eng. Abstr.) **(Rus)**
[Late effects of exposure to hexi- and trivalent chromium in water on the body] Smirnov MI. **Gig Sanit** 1985 Jul; (7):31–2 (Eng. Abstr.) **(Rus)**
[Hygienic evaluation of water quality in portions of bodies of water with changing hydrologic operating conditions while undergoing general use] Tsareva LG, et al. **Gig Sanit** 1985 Nov;(11):70–1 **(Rus)**
[Establishment of the maximum permissible concentrations of norbornene, norbornadiene and dicyclopentadiene in reservoir water] Zholdanova ZI, et al. **Gig Sanit** 1986 Feb; (2):77–9 **(Rus)**

WATER POLLUTANTS, CHEMICAL see under **WATER POLLUTANTS**

WATER POLLUTANTS, RADIOACTIVE see under **WATER POLLUTANTS**

WATER POLLUTION

Quantitative selection of denitrifying bacteria in continuous cultures and requirement for organic carbon. II. Maltose. Jaworowska-Deptuch H, et al. **Acta Microbiol Pol** 1985; 34(3–4):293–300
Coincident plasmids and antimicrobial resistance in marine bacteria isolated from polluted and unpolluted Atlantic Ocean samples. Baya AM, et al. **Appl Environ Microbiol** 1986 Jun;51(6):1285–92
Survival and enumeration of the fecal indicators Bifidobacterium adolescentis and Escherichia coli in a tropical rain forest watershed. Carrillo M, et al. **Appl Environ Microbiol** 1985 Aug;50(2):468–76
Bacteriological methods for distinguishing between human and animal faecal pollution of water: results of fieldwork in Nigeria and Zimbabwe. Mara DD, et al. **Bull WHO** 1985;63(4):773–83
Human viruses in sediments, sludges, and soils. Rao VC, et al. **Bull WHO** 1986;64(1):1–13 (33 ref.)
Detection and enumeration of faecal coliforms and other microorganisms in drinking water (a comparison of two techniques). Sami Z, et al. **JPMA** 1985 Nov;35(11):329–34
Recreational use of inland water and health: are Windermere and Coniston water a health hazard? Jessop EG, et al. **Public Health** 1985 Nov;99(6):338–42
Bacterial pollution of coastal waters in the UK and Mediterranean. Evison LM. **Soc Appl Bacteriol Symp Ser** 1985;14:81S–93S
Pollution of freshwater and estuaries. White WR, et al. **Soc Appl Bacteriol Symp Ser** 1985;14:67S–79S
Comparative study of field tests for the detection of polluted drinking water in Sahel regions [letter] Monjour L, et al. **Trans R Soc Trop Med Hyg** 1986;80(1):172–3
[Bacterial pollution of the lagoon of Tunis] Chadli A, et al. **Arch Inst Pasteur Tunis** 1985 Dec;62(4):397–420 (Eng. Abstr.) **(Fre)**
[Ultrastructural analysis of secretory cells and hyaline hemocytes with a "neoplastic" character in Mytilus galloprovincialis (Lamarck) collected from a natural polluted site (Bay of Fos)] Carles D, et al. **C R Acad Sci [III]** 1985;301(5):201–6 (Eng. Abstr.) **(Fre)**
[Marine pollution: evaluation of bacteriological parameters] Cellini L, et al. **Boll Soc Ital Biol Sper** 1986 Jan 31; 62(1):15–22 (Eng. Abstr.) **(Ita)**
[Variation in the heterotrophic activity and bacterial density of beach water from Barcelona] Vaqué MD, et al. **Microbiol Esp** 1985 Jul–Dec;38(3–4):115–25 **(Spa)**
[Comparative study of aerobic bacterial flora, indicators of contamination, in dams of Río Lozoya] Alonso-Pastor del Coso F, et al. **Rev Sanid Hig Publica (Madr)** 1985 Mar–Apr; 59(3–4):367–80 (Eng. Abstr.) **(Spa)**
[Contamination by micro-organisms of health interest in the waters of the Imperial Canal of Aragón] Gracia Rivas MJ, et al. **Rev Sanid Hig Publica (Madr)** 1985 Sep–Oct; 59(9–10):1155–74 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Health hazards associated with windsurfing on polluted water. Dewailly E, et al. **Am J Public Health** 1986 Jun; 76(6):690–1
Outbreak of giardiasis associated with mains water in the United Kingdom. Jephcott AE, et al. **Lancet** 1986 Mar 29; 1(8483):730–2
[Interrelation of morbidity with acute intestinal infections and the biological pollution of water reservoirs] Bondarenko VI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Feb; (2):63–6 (Eng. Abstr.) **(Rus)**

ANALYSIS

Nitrate content of ground water is not a valid indicator of faecal pollution in rural Sahel regions. Short communication. Guillemin F, et al. **Acta Trop (Basel)** 1986 Jun;43(2):185–6
Dissolved organic matter status in Damietta estuary of the Nile. Saad MA, et al. **Arch Inst Pasteur Tunis** 1984 Dec; 61(4):453–62
[Recent findings on the state of contamination of the Aterno river at Aquila] Marinelli G, et al. **Nuovi Ann Ig Microbiol** 1984 Jul–Aug;35(4):299–305 (Eng. Abstr.) **(Ita)**
[Finding of Salmonellae in a sea-way situated at the mouth of the Tiber and correlation with indications of fecal contamination] Sebastiani Annicchiarico L, et al. **Nuovi Ann Ig Microbiol** 1984 Jul–Aug;35(4):277–98 (Eng. Abstr.) **(Ita)**
[Detection and warning of accidental water pollution] Ruginã V, et al. **Rev Med Chir Soc Med Nat Iasi** 1984 Jul–Sep; 88(3):413–6 **(Rum)**
[Use of the desirability function method for assessing water quality by periphyton composition] Maksimov VN, et al. **Biol Nauki** 1985;(8):105–10 (Eng. Abstr.) **(Rus)**
[Method of determining triethylenediamine (1,4-diazabicyclo-/2,2,2-octane) in sanitary-chemical studies of polymer materials] Dukhovnaia IS. **Gig Sanit** 1985 Nov;(11):43–4 **(Rus)**
[Characteristics of the hygienic prediction of reservoir water quality exposed to scattered sources of pollution from agricultural regions] Shpakov AE. **Gig Sanit** 1985 Oct; (10):12–4 (Eng. Abstr.) **(Rus)**
[Hygienic evaluation of water quality in portions of bodies of water with changing hydrologic operating conditions while undergoing general use] Tsareva LG, et al. **Gig Sanit** 1985 Nov;(11):70–1 **(Rus)**

PREVENTION & CONTROL

Physical-chemical treatments applied to wine-distillery waste. Sales D, et al. **Bull Environ Contam Toxicol** 1986 Sep;37(3):407–14
[Enforcement of drinking water regulation in rural areas] Würtheim H. **Off Gesundheitswes** 1986 Mar;48(3):140–3 (Eng. Abstr.) **(Ger)**
[Legal principles of drinking water and water supply protection] Hässelbarth U, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1985;65:251–3 **(Ger)**
[Current problems in the protection of the water supply] Hässelbarth U, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1985;65:263–70 **(Ger)**
[Microbiologic studies as a contribution to the ground water protection concept] Kaddu-Mulindwa D, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1986;64:203–14 **(Ger)**
[Preventive and restorative measures for maintaining the quality of soil and ground water] Milde G. **Schriftenr Ver Wasser Boden Lufthyg** 1985;65:315–39 **(Ger)**
[Are 30 liters of drinking water per bather too much?] Jessen HJ. **Z Gesamte Hyg** 1986 Mar;32(3):175–7 (Eng. Abstr.) **(Ger)**
[Hygienic effect of periodical draining from auto-watering piping for laboratory animal breeding] Takiguchi K, et al. **Jikken Dobutsu** 1986 Apr;35(2):199–202 (Eng. Abstr.) **(Jpn)**
[Characteristics of sanitary control of the water supply on ships] Zholus BI. **Voen Med Zh** 1986 Feb;(2):39–41 **(Rus)**
[Project for the biotic decontamination of underwater emissions] Téllez Andrade A. **Rev Sanid Hig Publica (Madr)** 1984 Sep–Oct; 58(9–10):947–62 (Eng. Abstr.) **(Spa)**

WATER POLLUTION, CHEMICAL

see related
EUTROPHICATION

Vibrio anguillarum: prevalence of typical and atypical strains in marine recipients with special reference to carbohydrate pollution. Larsen JL. **Acta Vet Scand** 1985;26(4):449–60
Water contamination and environmental mutagens. Loper JC. **Basic Life Sci** 1985;34:43–61
Xenobiotic metabolizing enzymes in spawning English sole (Parophrys vetulus) exposed to organic-solvent extracts of marine sediments from contaminated and reference areas. Collier TK, et al. **Comp Biochem Physiol [C]** 1986; 84(2):291–8
Effects of coal-fired thermal power plant discharges on

agricultural soil and crop plants. Ajmal M, et al. **Environ Res** 1986 Apr;39(2):405–17

Effect of chronic exposure to an acidified environment on the urophysis of the brook trout, Salvelinus fontinalis. Chevalier G, et al. **Exp Biol** 1986;45(4):291–9

Consumption of simulated acid mine water by sheep. Horvath DJ. **J Anim Sci** 1985 Aug;61(2):474–9

It's raining pesticides in Hokkaido [news] Anderson A. **Nature** 1986 Apr 10–16;320(6062):478

Environmental pollution. US suit charges cancer causation [news] Beardsley T. **Nature** 1986 Mar 27–Apr 2; 320(6060):301

[Chlorinated hydrocarbons in the environment II] Atri FR. **Schriftenr Ver Wasser Boden Lufthyg** 1985;66:1–460 (Ger)

[Problems in the drinking water supply] Hässelbarth U. **Schriftenr Ver Wasser Boden Lufthyg** 1985;65:205–8 (Ger)

[Fishing yield and chemical pollutants in the water of Billings Reservoir, São Paulo (Brazil)] Rocha AA, et al. **Rev Saude Publica** 1985 Oct;19(5):401–10 (Eng. Abstr.) (Por)

ADVERSE EFFECTS

Melanokeratosis from arsenic contaminated tubewell water. Saha KC. **Indian J Dermatol** 1984 Oct;29(4):37–46

Prediction in the face of uncertainty: the United States versus Reserve Mining Company. Brown AL. **Regul Toxicol Pharmacol** 1986 Jun;6(2):75–9

[Lead intake from drinking water in the city of Vienna] Heil M, et al. **Wien Klin Wochenschr** 1986 Feb 7;98(3):82–6 (Eng. Abstr.) (Ger)

ANALYSIS

Public health significance of industrial pollution in Zaria, Nigeria. Oganga AO, et al. **J R Soc Health** 1985 Dec; 105(6):211–3

Toxicity of granular activated carbon treated coal gasification water as determined by the Microtox test and Escherichia coli. Makino Y, et al. **Microbiologica** 1986 Jan;9(1):53–61

[Hydrazine in drinking water] Bodenschatz W. **Off Gesundheitswes** 1986 Apr;48(4):205–8 (Eng. Abstr.) (Ger)

[The drinking water supply in Baden-Württemberg—regional structures and trends in composition] Burkard R. **Off Gesundheitswes** 1986 May; 48(5):259–67 (Eng. Abstr.) (Ger)

[Volatile chlorinated hydrocarbons in ground and drinking water—experiences with cases of damage] Schmitt HJ, et al. **Off Gesundheitswes** 1986 May;48(5):228–31 (Eng. Abstr.) (Ger)

[Nitrate pollution of drinking water from residential water supplies and wells for delivery of drinking water by water companies in the Diepholz district] Steffen E. **Off Gesundheitswes** 1986 May;48(5):255–8 (Eng. Abstr.) (Ger)

[Hydrogeochemical studies of refuse disposal with the aim of estimating their environmental tolerance] Kerndorff H, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1986;64:31–43 (Ger)

[Pollution of drinking water by tetrachloroethylene] Möse JR, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Jun; 181(1–2):111–20 (Eng. Abstr.) (Ger)

[Evaluation of the pollution potential of the Venezuelan textile industry on the receiving water-bodies] Ishizaki C, et al. **Acta Cient Venez** 1985;36(1):81–9 (Eng. Abstr.) (Spa)

PREVENTION & CONTROL

Successful abatement of lead exposure from water supplies in the West of Scotland. Moore MR, et al. **Environ Res** 1985 Oct;38(1):67–76

Mutagenic activity in humic water and alum flocculated humic water treated with alternative disinfectants. Backlund P, et al. **Sci Total Environ** 1985 Dec;47:257–64

Alternative methods for chlorination. Fiessinger F, et al. **Sci Total Environ** 1985 Dec;47:299–315

Developments in biotechnology of relevance to drinking water preparation. Janssen DB, et al. **Sci Total Environ** 1985 Dec;47:121–35 (43 ref.)

Evaluation of different treatment processes with respect to mutagenic activity in drinking water. Kool HJ, et al. **Sci Total Environ** 1985 Dec;47:229–56

World Health Organization guidelines on organic micropollutants. Lewis WM. **Sci Total Environ** 1985 Dec; 47:83–91

Chloropicrin formation during oxidative treatments in the preparation of drinking water. Merlet N, et al. **Sci Total Environ** 1985 Dec;47:223–8

The control of organics in drinking water in Canada and the United States (standards, legislation and practice). Toft P. **Sci Total Environ** 1985 Dec;47:45–58 (28 ref.)

The influence of water treatment processes on the presence of organic surrogates and mutagenic compounds in water. Van der Gaag MA, et al. **Sci Total Environ** 1985 Dec; 47:137–53

Legislation and policy for the protection of the drinking water supply in The Netherlands. van Dijk-Looijaard AM, et al. **Sci Total Environ** 1985 Dec;47:59–82

Formation of linear aldehydes during surface water preozonization and their removal in water treatment in relation to mutagenic activity and sum parameters. Van Hoof F, et al. **Sci Total Environ** 1985 Dec;47:187–94

Ground water ills: many diagnoses, few remedies [news] Sun M. **Science** 1986 Jun 20;232(4757):1490–3

[Drinking water pollutants—their monitoring and elimination exemplified by lead and halogenated hydrocarbons] Kroh W. **Off Gesundheitswes** 1985 Aug;47(8):382–5 (Ger)

[Use of mutagenicity test systems in protection of the water supply] Irmer H, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1985;65:255–61 (Ger)

[Public health problems concerning ground water from old waste deposits] Kerndorff H, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1985;65:367–76 (Ger)

[Development of the direction of investigation in soil and water public health of the Institute of Water, Soil and Air Public Health] Milde G, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1986;64:1–19 (Ger)

[Protection and restoration of soil and ground water] Milde G. **Schriftenr Ver Wasser Boden Lufthyg** 1986;64:21–9 (Ger)

[Calculating the danger of ground water contamination by pesticides by the mathematical model PEPE (pesticide penetration)] Schmaland G. **Z Gesamte Hyg** 1986 Apr; 32(4):246–9 (Eng. Abstr.) (Ger)

[Possibilities and limits of mixed toxic waste disposal] Tauchnitz J, et al. **Z Gesamte Hyg** 1986 Mar;32(3):158–63 (Eng. Abstr.) (Ger)

WATER POLLUTION, RADIOACTIVE

Incorporation of tritiated water (HTO) and organically bound tritium (OBT) into phospholipids and gangliosides of rat brain. Kowalska M. **J Radiat Res (Tokyo)** 1985 Dec; 26(4):385–94

ANALYSIS

Radioecological model calculations for natural radionuclides released into the environment by disposal of phosphogypsum. Köster HW, et al. **Sci Total Environ** 1985 Oct;45:47–53

[Perna perna (Linnaeus, 1758): bioindicator of marine radioactive pollution] Gouvea R de C, et al. **Rev Bras Biol** 1985 Nov;45(4):433–8 (Eng. Abstr.) (Por)

PREVENTION & CONTROL

[Radioactive substances in the environment—minimalization law and limit values] Gans I, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1985;65:437–46 (Ger)

WATER POLLUTION, THERMAL

Effects of coal-fired thermal power plant discharges on agricultural soil and crop plants. Ajmal M, et al. **Environ Res** 1986 Apr;39(2):405–17

WATER SOFTENING

INSTRUMENTATION

Evaluation report: dialysis and ancillary equipment. **J Med Eng Technol** 1986 May-Jun;10(3):141–7

STANDARDS

[Re-processing of drinking water for household use] Grohmann A. **Schriftenr Ver Wasser Boden Lufthyg** 1985; 65:213–27 (Ger)

WATER SUPPLY

Infectious diseases and field water supply and sanitation among migrant farm workers. Arbab DM, et al. **Am J Public Health** 1986 Jun;76(6):694–5

A three-state study of waterborne disease surveillance techniques. Harter L, et al. **Am J Public Health** 1985 Nov; 75(11):1327–8

Epidemic campylobacteriosis associated with a community water supply. Sacks JJ, et al. **Am J Public Health** 1986 Apr;76(4):424–8

Wastewater recycling and reuse [editorial] Straub CP. **Am J Public Health** 1986 Aug;76(8):960–2

A waterborne outbreak of cryptosporidiosis in normal hosts. D'Antonio RG, et al. **Ann Intern Med** 1985 Dec;103(6 (Pt 1)):886–8

Severe hepatotoxicity caused by the tropical cyanobacterium (blue-green alga) Cylindrospermopsis raciborskii (Woloszynska) Seenaya and Subba Raju isolated from a domestic water supply reservoir. Hawkins PR, et al. **Appl Environ Microbiol** 1985 Nov;50(5):1292–5

Evaluation of a tangential-flow multiple-filter technique for detection of Giardia lamblia cysts in water. Isaac-Renton JL, et al. **Appl Environ Microbiol** 1986 Aug;52(2):400–2

Comparison of membrane filter, multiple-fermentation-tube, and presence-absence techniques for detecting total coliforms in small community water systems. Jacobs NJ, et al. **Appl Environ Microbiol** 1986 May;51(5):1007–12

Inactivation of Norwalk virus in drinking water by chlorine. Keswick BH, et al. **Appl Environ Microbiol** 1985 Aug; 50(2):261–4

Holding effects on coliform enumeration in drinking water samples. McDaniels AE, et al. **Appl Environ Microbiol** 1985 Oct;50(4):755–62

Recovery and diversity of heterotrophic bacteria from chlorinated drinking waters. Maki JS, et al. **Appl Environ Microbiol** 1986 May;51(5):1047–55

Use of immunofluorescence and phase-contrast microscopy for detection and identification of Giardia cysts in water samples. Sauch JF. **Appl Environ Microbiol** 1985 Dec; 50(6):1434–8

Evaluation of methods for concentrating hepatitis A virus from drinking water. Sobsey MD, et al. **Appl Environ Microbiol** 1985 Dec;50(6):1457–63

Characterization of dysgonic, heterotrophic bacteria from drinking water. Spino DF. **Appl Environ Microbiol** 1985 Nov;50(5):1213–8

Effects of metals on Legionella pneumophila growth in drinking water plumbing systems. States SJ, et al. **Appl Environ Microbiol** 1985 Nov;50(5):1149–54

Legionnaires' disease cluster and reduction in hospital hot water temperatures. Palmer SR, et al. **Br Med J [Clin Res]** 1986 Jun 7;292(6534):1494–5

Interventions for the control of diarrhoeal diseases among young children: improving water supplies and excreta disposal facilities. Esrey SA, et al. **Bull WHO** 1985; 63(4):757–72

Predominant bacterial genera in granular activated carbon water treatment systems. Burlingame GA, et al. **Can J Microbiol** 1986 Mar;32(3):226–30

Potable water as a source for legionellosis. Fraser DW. **Environ Health Perspect** 1985 Oct;62:337–41

Legionella pneumophila in a water distribution system. Sticht-Groh V, et al. **Eur J Clin Microbiol** 1985 Dec; 4(6):591–2

Evaluation of mutagenic and carcinogenic properties of brominated and chlorinated acetonitriles: by-products of chlorination. Bull RJ, et al. **Fundam Appl Toxicol** 1985 Dec; 5(6 Pt 1):1065–74

Potential contamination of surface water supplies by atmospheric releases from nuclear plants. Codell RB. **Health Phys** 1985 Nov;49(5):713–30

Prevention and treatment of endemic iodine-deficiency goiter by iodination of a municipal water supply. Squatrito S, et al. **J Clin Endocrinol Metab** 1986 Aug;63(2):368–75

Production of "Asao toxin" by Aeromonas strains isolated from feces and drinking water. Notermans S, et al. **J Clin Microbiol** 1986 Jun;23(6):1140–2

The appearance of tooth enamel in children ingesting water with a high fluoride content for a limited period during early tooth development. Ishii T, et al. **J Dent Res** 1986 Jul;65(7):974–7

The kinetics of chlorite and chlorate in rats. Abdel-Rahman MS, et al. **J Environ Pathol Toxicol Oncol** 1985 Sep-Oct; 6(1):97–103

Toxicity of chlorine dioxide in drinking water. Abdel-Rahman MS, et al. **J Environ Pathol Toxicol Oncol** 1985 Sep-Oct;6(1):105–13

The renal effects of sodium chlorite in the drinking water of C57L/J male mice. Connor PM, et al. **J Environ Pathol Toxicol Oncol** 1985 Nov-Dec;6(2):253–60

The seasonality of bacterial quality of water in a tropical developing country (Sierra Leone). Wright RC. **J Hyg (Lond)** 1986 Feb;96(1):75–82

Education: a key to fluoridation compliance. Kuthy RA, et al. **J Public Health Dent** 1985 Fall;45(4):247–51

Water and Nepal. Collins C. **J R Soc Health** 1985 Oct; 105(5):181–3

Detection and enumeration of faecal coliforms and other microorganisms in drinking water (a comparison of two techniques). Sami Z, et al. **JPMA** 1985 Nov;35(11):329–34

Outbreak of giardiasis associated with mains water in the United Kingdom. Jephcott AE, et al. **Lancet** 1986 Mar 29; 1(8483):730–2

Water purification for hemodialysis. Luehmann DA. **Med Instrum** 1986 Mar-Apr;20(2):74–9

Relationship of drinking water disinfectants to plasma cholesterol and thyroid hormone levels in experimental studies. Revis NW, et al. **Proc Natl Acad Sci USA** 1986 Mar;83(5):1485–9

Epidemiology of infectious diseases transmitted by drinking water in developed countries. Hartemann P, et al. **Rev Epidemiol Sante Publique** 1986;34(1):59–68

Nitrates in ground and drinking water: analysis of policies and regulations. Conrad J. **Sci Total Environ** 1986 May; 51:209–25

Heterotrophic bacteria in water distribution systems. II. Sampling design for monitoring. Maul A, et al. **Sci Total Environ** 1985 Sep;44(3):215–24

Heterotrophic bacteria in water distribution systems. I. Spatial and temporal variation. Maul A, et al. **Sci Total Environ** 1985 Sep;44(3):201–14

The water cycle as a source of pathogens. Jones F, et al. **Soc Appl Bacteriol Symp Ser** 1985;14:27S–36S

Piped water supply and intestinal parasitism in Zimbabwean schoolchildren. Mason PR, et al. **Trans R Soc Trop Med Hyg** 1986;80(1):88–93

The essential role of drinking water and sanitation in primary health care. Van Damme JM. **Trop Geogr Med** 1985 Sep; 37(3):S21–32

Health effects and impact of water supply and sanitation. Cvjetanović B. **World Health Stat Q** 1986;39(1):105–17 (Eng, Fre)

Community water supply and sanitation in developing countries, 1970–1990. An evaluation of the levels and trends of services. Deck FL. **World Health Stat Q** 1986;39(1):2–31 (Eng, Fre)

The application of appropriate technology in the field of rural water supply in Indonesia. Mathur SP. **World Health Stat Q** 1986;39(1):71–80 (Eng, Fre)

Water supply and sanitation in the South-East Asia Region. Saravanapavananthan N. **World Health Stat Q** 1986; 39(1):58–70 (Eng, Fre)

[Relation between the water supply and the occurrence of Legionella infections] Wan CQ. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1986 Feb; 7(1):58–60 (34 ref.) (Chi)

[Preventing bacillary dysentery with magnetized drinking water] Zhang JG. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1985 Aug; 6(4):203–5 (Eng. Abstr.) (Chi)

[Isolation of legionellae in the water supply system of a hospital in the South Moravia Region] Dražar V, et al. **Cesk Epidemiol Mikrobiol Imunol** 1986 May;35(3):166–73 (Eng. Abstr.) (Cze)

[Presence of Legionellae in water of air conditioning and water installation systems in North Rhine area] Uerlings A, et al. **Off Gesundheitswes** 1986 Jul;48(7):325–8 (Eng. Abstr.) (Ger)

[Determination of colony count at 20 degrees C, 36 degrees C and 37 degrees C] Botzenhart K, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Apr; 182(2):237–9 (Ger)

[Pollution of drinking water by tetrachloroethylene] Möse JR, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Jun; 181(1–2):111–20 (Eng. Abstr.) (Ger)

[Survival of Campylobacter jejuni in drinking water, river water and sewage] Pickert A, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Dec; 182(1):49–57 (Eng. Abstr.) (Ger)

[Mutagenicity tests on organic chemical contaminants in city water and related compounds. I. Bacterial mutagenicity tests] Nohmi T, et al. **Eisei Shikenjo Hokoku** 1985; (103):60–4 (Eng. Abstr.) (Jpn)

[Mutagenicity tests on organic chemical contaminants in city water and related compounds. II. Chromosome aberration tests in cultured mammalian cells] Sofuni T, et al. **Eisei Shikenjo Hokoku** 1985;(103):64–75 (Eng. Abstr.) (Jpn)

[Hygienic effect of periodical draining from auto-watering piping for laboratory animal breeding] Takiguchi K, et al. **Jikken Dobutsu** 1986 Apr;35(2):199–202 (Eng. Abstr.) (Jpn)

[An outbreak of well water-associated food-poisoning caused by enterotoxigenic Escherichia coli O159:H20] Muramatsu K, et al. **Kansenshogaku Zasshi** 1986 Jan; 60(1):1–6 (Eng. Abstr.) (Jpn)

[Sanitary microbiological assessment of the barrier function of modern water supply treatment installations in the case of hydrosphere pollution by surface-active substances] Il'in IE. **Gig Sanit** 1985 Dec;(12):10–3 (Eng. Abstr.) (Rus)

[Improved methodological protocol for the hygienic study of ion-exchange resins intended for drinking water treatment] Naboka MV. **Gig Sanit** 1985 Jul;(7):42–4 (Rus)

[Establishing methodological approsches to the hygienic evaluation of water-soluble polymers used in hydrogeology] Tulakin AV, et al. **Gig Sanit** 1985 Jul; (7):13–7 (Eng. Abstr.) (Rus)

[Comparative physiological and hygienic evaluation of various methods of watering vegetables] Friptuliak GE. **Gig Tr Prof Zabol** 1986 Jun;(6):50–3 (Rus)

[Regeneration of sanitaro-hygienic water during long space flights by reverse osmosis] Poliakov SV, et al. **Kosm Biol Aviakosm Med** 1986 Mar–Apr;20(2):78–80 (Eng. Abstr.) (Rus)

[Evaluation of the role of a number of biological factors in the emergence of diphyllobothriasis foci in reservoirs] Iarotskil LS, et al. **Med Parazitol (Mosk)** 1986 Jan–Feb; (1):65–9 (Eng. Abstr.) (Rus)

[Epidemiological characteristics of echinococcosis in the population centers of the Yakutsk ASSR with different types of water supply] Martynenko VB, et al. **Med Parazitol (Mosk)** 1986 May–Jun;(3):11–4 (Eng. Abstr.) (Rus)

[Emergence and current status of a focus of diphyllobothriasis in the Krasnoyarsk reservoir] Romanenko NA, et al. **Med Parazitol (Mosk)** 1986 Jan–Feb;(1):69–73 (Eng. Abstr.) (Rus)

[Effect of waterworks reconstruction on the parasitological situation in the USSR] Romanenko NA, et al. **Med Parazitol (Mosk)** 1986 May–Jun;(3):31–4 (Eng. Abstr.) (Rus)

[Complex approach to automating the process of producing distilled water and means for its delivery to the pharmacists' workplace] Tsybul'kin VV, et al. **Med Tekh** 1985 Jul–Aug; (4):17–21 (Eng. Abstr.) (Rus)

[Life expectancy and its relation to income, potable water, and medical visits in Peru] Heysen S, et al. **Bol Of Sanit Panam** 1986 Jan;100(1):33–46 (Eng. Abstr.) (Spa)

[Familial lead poisoning from water of domestic use (letter)] Gil Llano JR, et al. **Rev Clin Esp** 1985 Jul;177(3):150–1 (Spa)

[A lesson from service in developing countries: a good axe can contribute to health] Onneby M. **Nord Med** 1985; 100(12):330–1 (Swe)

ADVERSE EFFECTS

Drinking water and health hazards in environmental perspective. Zoeteman BC. **Sci Total Environ** 1985 Dec; 47:487–503 (26 ref.)

ANALYSIS

Nitrate content of ground water is not a valid indicator of faecal pollution in rural Sahel regions. Short communication. Guillemin F, et al. **Acta Trop (Basel)** 1986 Jun;43(2):185–6

Comparison of ultraviolet and reductive amperometric detection for determination of ethyl and methyl parathion in green vegetables and surface water using high-performance liquid chromatography. Clark GJ, et al. **Anal Chem** 1985 Oct;57(12):2223–8

Water hardness and cardiovascular mortality rate in Abruzzo, Italy. Leoni V, et al. **Arch Environ Health** 1985 Sep–Oct; 40(5):274–8

Fluoride content of water, dust, soils and cereals in the endemic dental fluorosis area of Khouribga (Morocco). Haikel Y, et al. **Arch Oral Biol** 1986;31(5):279–86

Variation among fluoride concentrations of water from domestic wells in a four-county area. Siegal MD, et al. **ASDC J Dent Child** 1985 Sep–Oct;52(5):347–52

PCB removal by conventional water treatment: effect of chemical coagulation and chlorination. Aly OA, et al. **Bull Environ Contam Toxicol** 1986 Jun;36(6):929–34

Colorimetric determination of propoxur residues in vegetables and water. Appaiah KM, et al. **Bull Environ Contam Toxicol** 1985 Sep;35(3):296–300

Analysis of drinking water for the detection of trihalomethanes. Fayad NM, et al. **Bull Environ Contam Toxicol** 1985 Nov;35(5):576–82

Chloroform in tap water and human blood. Kroneld R. **Bull Environ Contam Toxicol** 1986 Apr;36(4):477–83

Potential formation of bromophenols in Barcelona's tap water due to daily salt mine discharges and occasional phenol spills. Ventura F, et al. **Bull Environ Contam Toxicol** 1986 Feb;36(2):219–25

Malignant neoplasms among residents of a blackfoot disease-endemic area in Taiwan: high-arsenic artesian well water and cancers. Chen CJ, et al. **Cancer Res** 1985 Nov; 45(11 Pt 2):5895–9

Relationship between enamel fluoride levels, degree of fluorosis and caries experience in communities with a nearly optimal and a high fluoride level in the drinking water (short communication). Grobler SR, et al. **Caries Res** 1986; 20(3):284–8

Enamel changes in two low-fluoride areas of Kenya. Manji F, et al. **Caries Res** 1986;20(4):371–80

Iodine content of drinking water and goitre endemicity in Sri Lanka. Weerasekera DA, et al. **Ceylon Med J** 1985 Sep;30(3):117–23

Pollution of the water supply in Mersey and Clwyd—a cause for concern? Ashton J. **Community Med** 1985 Nov; 7(4):299–303

The occurrence and distribution of fluoride in groundwaters of Kenya. Nair KR, et al. **East Afr Med J** 1984 Jul; 61(7):503–12

Faecal contamination of urban community water supplies and its public health implications. Sabwa DM, et al. **East Afr Med J** 1985 Nov;62(11):794–801

Influence of acid rain upon water plumbosolvency. Moore MR. **Environ Health Perspect** 1985 Nov;63:121–6

Chemical contamination of water supplies. Shy CM. **Environ Health Perspect** 1985 Oct;62:399–406

Successful abatement of lead exposure from water supplies in the West of Scotland. Moore MR, et al. **Environ Res** 1985 Oct;38(1):67–76

Genotoxic properties of haloacetonitriles: drinking water by-products of chlorine disinfection. Daniel FB, et al. **Fundam Appl Toxicol** 1986 Apr;6(3):447–53

Drinking-water contribution to natural background radiation. Cothern CR, et al. **Health Phys** 1986 Jan; 50(1):33–47

Formation of trihalomethanes in drinking water. Williams DT. **IARC Sci Publ** 1985;(68):69–88

Determination of heavy metal in drinking waters by X-ray spectroscopy. Tomić S, et al. **Int J Environ Anal Chem** 1985;23(1–2):87–95

Prevalence of dental caries and dental fluorosis in areas with negligible, optimal, and above-optimal fluoride concentrations in drinking water. Driscoll WS, et al. **J Am Dent Assoc** 1986 Jul;113(1):29–33

Sodium content of potable water: dietary significance. Korch GC. **J Am Diet Assoc** 1986 Jan;86(1):80–3

Determination of halogenated phenols in raw and potable water by selected ion gas chromatography-mass spectrometry. Sithole BB, et al. **J Assoc Off Anal Chem** 1986 May–Jun;69(3):466–73

Trace minerals and magnesium in athrosclerosis and hypertension. Singh RB, et al. **J Assoc Physicians India** 1985 Jun;33(6):411–4

Chemical changes of organic compounds in chlorinated water. XI. Thin-layer chromatographic fractionation of Ames mutagenic compounds in chlorine-treated 4-methylphenol solution. Onodera S, et al. **J Chromatogr** 1986 Jun 6;360(1):137–50

Root caries in an optimally fluoridated and a high-fluoride community. Burt BA, et al. **J Dent Res** 1986 Sep; 65(9):1154–8

Dental caries prevalence in Texas schoolchildren using water supplies with high and low lithium and fluoride. Curzon ME, et al. **J Dent Res** 1986 Mar;65(3):421–3

The relation between caries prevalence and strontium concentrations in drinking water, plaque, and surface enamel. Curzon ME. **J Dent Res** 1985 Dec;64(12):1386–8

Surface enamel fluoride concentrations of different types of human teeth in a high- and near-optimal-fluoride area. Grobler SR, et al. **J Dent Res** 1986 Jun;65(6):945–7

Determinants of requests for water fluoride assay among North Carolina dentists. Levy SM, et al. **J Dent Res** 1986 Jan;65(1):71–4

Dental fluorosis in an area of Kenya with 2 ppm fluoride in the drinking water. Manji F, et al. **J Dent Res** 1986 May;65(5):659–62

Concentrations of 20 volatile organic compounds in the air and drinking water of 350 residents of New Jersey compared with concentrations in their exhaled breath. Wallace L, et al. **J Occup Med** 1986 Aug;28(8):603–8

Effects of exposure to salty drinking water in an Arizona community. Cardiovascular mortality, hypertension prevalence, and relationships between blood pressure and sodium intake. Welty TK, et al. **JAMA** 1986 Feb 7; 255(5):622–6

Content of magnesium in drinking water and deaths from ischaemic heart disease in white South Africans. Leary WP. **Magnesium** 1986;5(3–4):150–3

High levels of mutagenic activity in chlorinated drinking water in Finland. Vartiainen T, et al. **Mutat Res** 1986 Jan–Feb;169(1–2):29–34

Organic micropollutants in drinking water and health. Proceedings of an international symposium. Amsterdam, The Netherlands, 11–14 June 1985. **Sci Total Environ** 1985 Dec;47:1–507

Inhalation exposure in the home to volatile organic contaminants of drinking water. Andelman JB. **Sci Total Environ** 1985 Dec;47:443–60

Main sources of indoor radon in the Swiss Central Alps. Buchli R, et al. **Sci Total Environ** 1985 Oct;45:425–32

Carcinogenic and mutagenic properties of chemicals in drinking water. Bull RJ. **Sci Total Environ** 1985 Dec; 47:385–413 (72 ref.)

Target organ toxicology of halocarbons commonly found contaminating drinking water. Condie LW. **Sci Total Environ** 1985 Dec;47:433–42 (24 ref.)

Organic micropollutants in drinking water: an overview. Cotruvo JA. **Sci Total Environ** 1985 Dec;47:7–26 (11 ref.)

Epidemiologic studies of organic micropollutants in drinking water. Craun GF. **Sci Total Environ** 1985 Dec;47:461–72 (19 ref.)

Identification and assessment of hazardous compounds in drinking water. Fawell JK, et al. **Sci Total Environ** 1985 Dec;47:317–41 (67 ref.)

Liquid chromatographic determination of the fungicide iprodione in surface water, using on-line preconcentration. Goewie CE, et al. **Sci Total Environ** 1985 Dec;47:349–60

Evaluation of different treatment processes with respect to mutagenic activity in drinking water. Kool HJ, et al. **Sci Total Environ** 1985 Dec;47:229–56

Fractionation of mutagenic compounds formed during chlorination of humic water. Kronberg L, et al. **Sci Total Environ** 1985 Dec;47:343–7

Chloropicrin formation during oxidative treatments in the preparation of drinking water. Merlet N, et al. **Sci Total Environ** 1985 Dec;47:223–8

Impact of different types of organic micropollutants present on sources of drinking water on the quality of drinking water. Sontheimer H, et al. **Sci Total Environ** 1985 Dec; 47:27–44

The control of organics in drinking water in Canada and the United States (standards, legislation and practice). Toft P. **Sci Total Environ** 1985 Dec;47:45–58 (28 ref.)

The influence of water treatment processes on the presence of organic surrogates and mutagenic compounds in water. Van der Gaag MA, et al. **Sci Total Environ** 1985 Dec; 47:137–53

Critical considerations on the significance of carcinogenic and mutagenic compounds in drinking water. Van der Heijden CA, et al. **Sci Total Environ** 1985 Dec;47:479–85

Formation of linear aldehydes during surface water preozonization and their removal in water treatment in relation to mutagenic activity and sum parameters. Van Hoof F, et al. **Sci Total Environ** 1985 Dec;47:187–94

Progress in the isolation and characterization of non-volatile mutagens in a drinking-water. van Rossum PG. **Sci Total Environ** 1985 Dec;47:361–70

A comparison of methods for concentrating mutagens in drinking water—recovery aspects and their implications for the chemical character of major unidentified mutagens. Wigilius B, et al. **Sci Total Environ** 1985 Dec;47:265–72

Water goitrogens and endemic goitre in the Sudan. el Mahdi E, et al. **Trop Geogr Med** 1986 Jun;38(2):180–2

Laboratory performance evaluation studies and their relationship to the Global Environmental Monitoring System in Water (GEMS/Water). Britton PW. **World Health Stat Q** 1986;39(1):46–57 (Eng, Fre)

Groundwater quality today and tomorrow. Forslund J. **World Health Stat Q** 1986;39(1):81–92 (Eng, Fre)

[Bone disease in patients undergoing chronic hemodialysis

treatment and the role in its development of magnesium in drinking water used in the preparation of dialysis solution] Ionova D, et al. **Vutr Bolez** 1985;24(5):54–7 (Eng. Abstr.) **(Bul)**

[Effects of high fluoride drinking water on the growth of children] Wang GG.
Chung Hua Yu Fang I Hsueh Tsa Chih 1985 Nov; 19(6):350–3 (Eng. Abstr.) **(Chi)**

[Study of chronic lead-poisoning from using tin-kettles] Zhu BG. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1984 Nov; 18(6):328–30 (Eng. Abstr.) **(Chi)**

[Fluorescent compounds in drinking water of blackfoot disease endemic areas: animal experimental model] Lu FJ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Apr;85(4):352–8 (Eng. Abstr.) **(Chi)**

[The limnology of Tunisia: physicochemical study] Boumaiza M. **Arch Inst Pasteur Tunis** 1984 Jun–Sep;61(2–3):205–46 (Eng. Abstr.) **(Fre)**

[Manganese in the water supply of the town of Beaucaire: origins and solutions] Claire Y, et al.
Int J Environ Anal Chem 1986;24(1):37–54 (Eng. Abstr.) **(Fre)**

[The drinking water supply in Baden-Württemberg—regional structures and trends in composition] Burkard R. **Off Gesundheitswes** 1986 May; 48(5):259–67 (Eng. Abstr.) **(Ger)**

[Nitrate pollution of drinking water from residential water supplies and wells for delivery of drinking water by water companies in the Diepholz district] Steffen E.
Off Gesundheitswes 1986 May;48(5):255–8 (Eng. Abstr.) **(Ger)**

[Nitrite and nitrate levels in drinking water and in water from various natural and artificial reservoirs] Wrześniowska K. **Rocz Panstw Zakl Hig** 1986;37(1):17–21 (Eng. Abstr.) **(Pol)**

[Use of the desirability function method for assessing water quality by periphyton composition] Maksimov VN, et al. **Biol Nauki** 1985;(8):105–10 (Eng. Abstr.) **(Rus)**

[Lithium in the human body] Fleishman DG, et al.
Fiziol Cheloveka 1985 Nov–Dec;11(6):1020–5 **(Rus)**

[Assessment of the hydrocarbon pollution of the atmosphere of populated sites and of reservoir water] Bezkopyl'nyĭ IN. **Gig Sanit** 1985 Oct;(10):16–8 (Eng. Abstr.) **(Rus)**

[Experimental substantiation of the maximum permissible level of hexachloroparaxylol in reservoir water] Deviatka DG, et al. **Gig Sanit** 1986 May;(5):62 **(Rus)**

[Deficiencies in the method for the sanitary bacteriological analysis of chlorinated tap water] Maslov AK, et al.
Gig Sanit 1986 Feb;(2):61–3 **(Rus)**

[Fluoride content in the waters of the northern Sea of Azov area] Miagchenko AP, et al. **Gig Sanit** 1985 Oct;(10):58–9 **(Rus)**

[Rapid photometric method for determining silver in the drinking water on board ships] Pilipenko AT, et al.
Gig Sanit 1986 Jan;(1):34–5 **(Rus)**

[Intensity of dental caries lesions in children in relation to the fluorine content in the drinking water] Borovskiĭ EV, et al. **Stomatologiia (Mosk)** 1985 Nov–Dec;64(6):7–9 (Eng. Abstr.) **(Rus)**

[Value of medico-geographic prognosis for effectiveness in preventing dental caries in children in new developing economic regions] Sedov KR, et al.
Vestn Akad Med Nauk SSSR 1985;(11):60–7 (Eng. Abstr.) **(Rus)**

[Characteristics of sanitary control of the water supply on ships] Zholus BI. **Voen Med Zh** 1986 Feb;(2):39–41 **(Rus)**

[Fluorine in the drinking water of the Province of Guipuzcoa] Cartón García B, et al.
Rev Sanid Hig Publica (Madr) 1985 Nov–Dec; 59(11–12):1415–28 (Eng. Abstr.) **(Spa)**

STANDARDS

Injured coliforms in drinking water. McFeters GA, et al. **Appl Environ Microbiol** 1986 Jan;51(1):1–5

Quality control for a 14- to 18-megohm-cm deionized water supply. Draviam EJ, et al. **Arch Pathol Lab Med** 1986 Mar; 110(3):228–31

Drinking-water quality in the Caribbean.
Bull Pan Am Health Organ 1985;19(2):197–9

Bacteriological methods for distinguishing between human and animal faecal pollution of water: results of fieldwork in Nigeria and Zimbabwe. Mara DD, et al. **Bull WHO** 1985;63(4):773–83

The geopathological significance of drinking water on the Great Hungarian Plain. Berencsi G. **Geogr Med** 1985; 15:141–50

Public health standards limiting the concentration of U in drinking water [letter] Johnson CJ. **Health Phys** 1986 Jan; 50(1):169–70

Quantifying the role of magnesium in the interrelationship between human mortality/morbidity and water hardness. Marier JR, et al. **Magnesium** 1985;4(2–3):53–9

World Health Organization guidelines on organic micropollutants. Lewis WM. **Sci Total Environ** 1985 Dec; 47:83–91

Legislation and policy for the protection of the drinking water supply in The Netherlands. van Dijk-Looijaard AM, et al. **Sci Total Environ** 1985 Dec;47:59–82

Microbial aspects of water management.Lancaster, July 1984. **Soc Appl Bacteriol Symp Ser** 1985;14:1S–245S

Materials usage and their effects on the microbiological quality of water supplies. Colbourne JS.
Soc Appl Bacteriol Symp Ser 1985;14:47S–59S

The significance of water management in relation to public and environmental health. Lewis W.
Soc Appl Bacteriol Symp Ser 1985;14:1S–13S

Autochthonous bacteria in the Chalk and their influence on groundwater quality in East Anglia. Parker JM, et al.
Soc Appl Bacteriol Symp Ser 1985;14:15S–25S

The microbiological implications in European Community Directives related to the water cycle. Pike EB, et al.
Soc Appl Bacteriol Symp Ser 1985;14:105S–126S

Drink boiled water: a cultural analysis of a health education message. Nichter M. **Soc Sci Med** 1985;21(6):667–9

The International Drinking Water Supply and Sanitation Decade. Review of regional and global data (as at 31 December 1983). **WHO Offset Publ** 1986;(92):1–30 (0 ref.)

Monitoring natural waters for drinking-water quality. Barabas S. **World Health Stat Q** 1986;39(1):32–45 **(Eng, Fre)**

International Drinking Water Supply and Sanitation Decade programme in the Philippines. Imperio PR.
World Health Stat Q 1986;39(1):93–104 **(Eng, Fre)**

[Another route of transmission in a Legionella pneumophila hospital infection] Kaan JA. **Ned Tijdschr Geneeskd** 1986 Mar 1;130(9):413–4 **(Dut)**

[Waterworks and public health in Ivory Coast] Koffi JK, et al. **Med Trop (Mars)** 1986 Apr–Jun;46(2):185–90 (Eng. Abstr.) **(Fre)**

[Longitudinal study of the risks related to the consumption of water not conforming to bacteriological norms] Ferley JP, et al. **Rev Epidemiol Sante Publique** 1986;34(2):89–99 (Eng. Abstr.) **(Fre)**

[Use of plant treatment substances in agriculture and their effects on ground water] Friesel P, et al.
Schriftenr Ver Wasser Boden Lufthyg 1985;65:357–66 **(Ger)**

[Re-processing of drinking water for household use] Grohmann A. **Schriftenr Ver Wasser Boden Lufthyg** 1985; 65:213–27 **(Ger)**

[Problems in the drinking water supply] Hässelbarth U.
Schriftenr Ver Wasser Boden Lufthyg 1985;65:205–8 **(Ger)**

[Current problems in the protection of the water supply] Hässelbarth U, et al.
Schriftenr Ver Wasser Boden Lufthyg 1985;65:263–70 **(Ger)**

[Legal principles of drinking water and water supply protection] Hässelbarth U, et al.
Schriftenr Ver Wasser Boden Lufthyg 1985;65:251–3 **(Ger)**

[Mineral and drinking water] Hässelbarth U.
Schriftenr Ver Wasser Boden Lufthyg 1985;65:209–12 **(Ger)**

[Use of mutagenicity test systems in protection of the water supply] Irmer H, et al.
Schriftenr Ver Wasser Boden Lufthyg 1985;65:255–61 **(Ger)**

[Public health problems concerning ground water from old waste deposits] Kerndorff H, et al.
Schriftenr Ver Wasser Boden Lufthyg 1985;65:367–76 **(Ger)**

[Preventive and restorative measures for maintaining the quality of soil and ground water] Milde G.
Schriftenr Ver Wasser Boden Lufthyg 1985;65:315–39 **(Ger)**

[Hygienic problems concerning the use of water front filtrates for water supplies] Mühlhausen D.
Schriftenr Ver Wasser Boden Lufthyg 1985;65:341–9 **(Ger)**

[Nitrates in drinking water and possible transformation products—occurrence and risks] Petri H.
Schriftenr Ver Wasser Boden Lufthyg 1985;65:235–49 **(Ger)**

[Special microbiological aspects of the study of drinking water] Seidel K. **Schriftenr Ver Wasser Boden Lufthyg** 1985; 65:229–34 **(Ger)**

[Validation of demineralized water plants through total microbial count and definition of a microbiological standard] Anastasio P, et al. **Boll Chim Farm** 1985 Jun; 124(6):259–70 (Eng. Abstr.) **(Ita)**

[Will there be pure water for all in the decade of 1990? 10-year experience in a developing country] Hetta OM. **Tidsskr Nor Laegeforen** 1986 Jan 20;106(2):150–3, 161 (Eng. Abstr.) **(Nor)**

[A device for the quantitative collection of samples of periphyton and sediment from the walls of water reservoirs] Łuczak J, et al. **Rocz Panstw Zakl Hig** 1985;36(5):400–5 (Eng. Abstr.) **(Pol)**

[Use of a method of accelerated hygienic standardization for the chemical content in reservoir water exemplified by adipic and sebacic acids] Andreev IA. **Gig Sanit** 1985 Jul; (7):10–3 (Eng. Abstr.) **(Rus)**

[Characteristics of the hygienic prediction of reservoir water quality exposed to scattered sources of pollution from agricultural regions] Shpakov AE. **Gig Sanit** 1985 Oct; (10):12–4 (Eng. Abstr.) **(Rus)**

[Role of several groups of microorganisms in evaluating the quality of water in open bodies of water] Stavskiĭ AV, et al. **Gig Sanit** 1985 Nov;(11):10–1 (Eng. Abstr.) **(Rus)**

[Hygienic evaluation of water quality in portions of bodies of water with changing hydrologic operating conditions while undergoing general use] Tsareva LG, et al.
Gig Sanit 1985 Nov;(11):70–1 **(Rus)**

[Hygienic evaluation of the results of sanitary bacteriological research on water quality] Khozhenko VA, et al.
Voen Med Zh 1986 Mar;(3):33–4 **(Rus)**

WATERHOUSE-FRIDERICHSEN SYNDROME see under **MENINGOCOCCAL INFECTIONS**

WATTLES see **COMB AND WATTLES**

WAXES

see related
CERUMEN
INLAY CASTING WAX

Dentistry on stamps. Loevy HT, et al. **J Am Dent Assoc** 1985 Aug;111(2):307

Waxing crowns using acrylic resin copings. Christensen LC, et al. **J Prosthet Dent** 1986 Feb;55(2):280

The four-step flow technique: a method for fabrication of wax patterns. Kaplan P. **J Prosthet Dent** 1986 May; 55(5):652–5

Alteration of wax occlusion rims. Leary JM, et al.
J Prosthet Dent 1985 Oct;54(4):604–5

Accuracy of laminated wax interocclusal wafers. Millstein PL. **J Prosthet Dent** 1985 Oct;54(4):574–7

Volumetric shrinkage of a porcelain suspended in wax technique. Schrader JA, et al. **J Prosthet Dent** 1986 Mar; 55(3):302–4

ANALYSIS

Distribution of some mycobacterial waxes based on the phthiocerol family. Minnikin DE, et al.
J Gen Microbiol 1985 Jun;131 (Pt 6):1375–81

The monounsaturated acyl- and alkyl- moieties of wax esters and their distribution in commercial orange roughy (Hoplostethus atlanticus) oil. Body DR, et al. **Lipids** 1985 Oct;20(10):680–4

Fatty acids and fatty alcohols of wax esters in the orange roughy: specific textures of minor polyunsaturated and branched-chain components. Takagi T, et al. **Lipids** 1985 Oct;20(10):675–9

GENETICS

Possible genetic control of the proportions of branched-chain fatty acids in human sebaceous wax esters. Stewart ME, et al. **J Invest Dermatol** 1986 Jun;86(6):706–8

ISOLATION & PURIFICATION

Characterization of wax esters, triglycerides, and free fatty acids of follicular casts. Nordstrom KM, et al.
J Invest Dermatol 1986 Jun;86(6):700–5

METABOLISM

Role of cer-cqu in epicuticular wax biosynthesis. von Wettstein-Knowles P. **Biochem Soc Trans** 1986 Jun; 14(3):576–9

Age-related changes in sebaceous wax ester secretion rates in men and women. Jacobsen E, et al.
J Invest Dermatol 1985 Nov;85(5):483–5

Disappearance of short chain acids from the preen gland wax of male mallard ducks during eclipse. Kolattukudy PE, et al. **J Lipid Res** 1985 Aug;26(8):989–94

PHARMACODYNAMICS

Effect of routine paraffin wax processing on cell membrane immunoreactivity in cutaneous tissue. Cerio R, et al.
J Clin Lab Immunol 1986 Jun;20(2):97–100

WEANING

In vitro study of antral gastrin biosynthesis in response to weaning and corticosterone acetate in rats. Okahata H, et al. **Acta Endocrinol (Copenh)** 1986 Apr;111(4):539–45

Development of gastric somatostatin-like immunoreactivity in response to corticosterone acetate and dietary changes in young rats. Okahata H, et al.
Acta Endocrinol (Copenh) 1986 Jul;112(3):383–7

Food for the weanling. Proceedings of a Farley Health Products symposium on feeding the older infant and toddler. 10 December 1985, London.
Acta Paediatr Scand [Suppl] 1986;323:1–102

Weaning practices in the United Kingdom and variations in anthropometric development. Whitehead RG, et al.
Acta Paediatr Scand [Suppl] 1986;323:14–23

Immunologic reactions of pigs regrouped at or near weaning. Blecha F, et al. **Am J Vet Res** 1985 Sep;46(9):1934–7

The influence of season on sow weaning to estrus interval and subsequent reproductive performance following estrus synchronization by batch weaning. Somade B, et al.
Beitr Trop Landwirtsch Veterinarmed 1985;23(3):339–43

The development of acid and pepsin (EC 3.4.23.1) secretory capacity in the pig; the effects of age and weaning. I. Studies in anaesthetized pigs. Cranwell PD. **Br J Nutr** 1985 Jul;54(1):305–20

The use of cowpeas (Vigna unguiculata) in improving a popular Nigerian weaning food. Oyeleke OA, et al.
Br J Nutr 1985 Sep;54(2):343–7

Interventions for the control of diarrhoeal diseases among young children: weaning education. Ashworth A, et al.

Bull WHO 1985;63(6):1115–27

Weaning and metabolic regulation in the rat. Angel JF, et al. **Can J Physiol Pharmacol** 1985 May;63(5):538–45 (115 ref.)

Weaning practices in a sample of working class primiparae. McIntosh J. **Child Care Health Dev** 1986 Jul–Aug; 12(4):215–33

Early weaning does not accelerate the expression of nursing–related taste aversions. Melcer T, et al. **Dev Psychobiol** 1985 Sep;18(5):375–81

Chronological distribution of enamel hypoplasias and weaning in a Caribbean slave population. Corruccini RS, et al. **Hum Biol** 1985 Dec;57(4):699–711

Behavioural responses of rats on high– and low–protein diets, as a function of period of weaning. Enslen M, et al. **Int J Vitam Nutr Res [Suppl]** 1986;29:99–108

The effect of meal intervals and weaning on feed intake of early weaned pigs. Bark LJ, et al. **J Anim Sci** 1986 May; 62(5):1233–9

Between– and within–breed genetic analysis of calving traits and survival to weaning in beef cattle. Cundiff LV, et al. **J Anim Sci** 1986 Jul;63(1):27–33

Effect of roughage particle size on ruminal, digestive and metabolic characteristics of early–weaned lambs fed pelleted corncob–concentrate diets. Kinser AR, et al. **J Anim Sci** 1985 Aug;61(2):514–24

Effect of feed and(or) water deprivation prior to weaning on reproductive performance of sows: a cooperative study. Knabe DA, et al. **J Anim Sci** 1986 Jan;62(1):1–8

Selection for weaning weight in Targhee sheep in two environments. I. Direct response. Lasslo LL, et al. **J Anim Sci** 1985 Aug;61(2):376–86

Selection for weaning weight in Targhee sheep in two environments. II. Correlated effects. Lasslo LL, et al. **J Anim Sci** 1985 Aug;61(2):387–97

Liquid diets fed hourly to pigs weaned at 19 days of age and exposed to rotavirus (weanling diarrhea). Lecce JG, et al. **J Anim Sci** 1985 Nov;61(5):1043–8

Relationships among concentrations of four opioid neuropeptides and luteinizing hormone–releasing hormone in neural tissues of beef cows following early weaning. Malven PV, et al. **J Anim Sci** 1986 Mar;62(3):723–33

Lifetime parental productivity in twenty–seven crosses of mice. II. Weaning traits reflecting reproduction and lactation. Newman S, et al. **J Anim Sci** 1985 Aug; 61(2):367–75

Anterior pituitary concentrations of gonadotropins, GnRH–receptors and ovarian characteristics following early weaning in beef cows. Parfet JR, et al. **J Anim Sci** 1986 Mar;62(3):717–22

Effect of calf weaning age and cow supplementation on cow productivity. Pate FM, et al. **J Anim Sci** 1985 Aug; 61(2):343–8

Crossing beef x beef and beef x Brown Swiss: pregnancy rate, calf survival, weaning age and rate. Reynolds WL, et al. **J Anim Sci** 1986 Jul;63(1):8–16

Effect of boar presence before and after weaning on estrus and ovulation in sows. Walton JS. **J Anim Sci** 1986 Jan; 62(1):9–15

Evaluation of crossbred Brahman and continental European beef cattle in a subtropical environment for birth and weaning traits. Williamson WD, et al. **J Anim Sci** 1985 Nov;61(5):1137–45

Milk availability modulates weaning in the Norway rat (Rattus norvegicus). Thiels E, et al. **J Comp Psychol** 1985 Dec;99(4):447–56

Abrupt weaning reconsidered: evidence from central Mexico. Millard AV, et al. **J Trop Pediatr** 1985 Aug;31(4):229–34

Breast–feeding and weaning in Mexico and the US. **Nutr Rev** 1986 Mar;44(3):104–6

Endogenous vasopressin and the weaning period in Brattleboro rats. Babický A, et al. **Physiol Behav** 1986; 36(4):631–5

Early weaning predisposes rats to exacerbated activity–stress ulcer formation. Glavin GB, et al. **Physiol Behav** 1985 Jun; 34(6):907–9

Body composition of animals during sucking and the immediate post–weaning period. Walker DM. **Proc Nutr Soc** 1986 Feb;45(1):81–9

Changes in energy metabolism during the suckling and weaning period in the newborn. Ferré P, et al. **Reprod Nutr Dev** 1986;26(2B):619–31 (87 ref.)

Influence of creep feeding and weaning on brush border enzyme activities in the piglet small intestine. Hampson DJ, et al. **Res Vet Sci** 1986 Jan;40(1):24–31

Alterations in piglet small intestinal structure at weaning. Hampson DJ. **Res Vet Sci** 1986 Jan;40(1):32–40

Attempts to modify changes in the piglet small intestine after weaning. Hampson DJ. **Res Vet Sci** 1986 May;40(3):313–7

[Comparison of dietary patterns of mothers of low socioeconomic level during the lactation period and after weaning] Tudisco ES, et al. **Rev Saude Publica** 1985 Apr; 19(2):133–45 (Eng. Abstr.) **(Por)**

WEATHER

Forecasting the presence of atmospheric pollens. Mäkinen Y. **Allergy** 1985;40 Suppl 3:40–2

Protection of recently shorn sheep against adverse weather using plastic coats. Ellis T, et al. **Aust Vet J** 1985 Jul; 62(7):213–8

Epidemics of fractures during periods of snow and ice. Ralis ZA. **Br Med J [Clin Res]** 1986 Aug 23;293(6545):484

Heavy metal content of rainwater in Geneva, New York, during 1983. Aten CF, et al. **Bull Environ Contam Toxicol** 1986 Jun;36(6):918–23

Rainfall and epizootic Rift Valley fever. Davies FG, et al. **Bull WHO** 1985;63(5):941–3

Myocardial infarction and the weather: a significant positive correlation between the onset of heart infarct and 28 KHz atmospherics—a pilot study [letter] Cheng TO. **Clin Cardiol** 1985 Oct;8(10):510

Effects of simulated acid rain and (+/–)-2–(2,4–dichlorophenoxy) propanoic acid on selected crops. Larsen BR. **Ecotoxicol Environ Safety** 1985 Oct; 10(2):228–38

Ergonomic and physiological aspects of military operations in a cold wet climate. McCaig RH, et al. **Ergonomics** 1986 Jul;29(7):849–57

Social, toxicological and meteorological data on suicide attempts. Breuer HW, et al. **Eur Arch Psychiatry Neurol Sci** 1986;235(6):367–70

Hot weather, exercise, old age, and the kidneys. Eisenman PA. **Geriatrics** 1986 May;41(5):108–10, 113–4

Time variation of 222Rn progeny concentration in rainwater. Nishikawa T, et al. **Health Phys** 1985 Dec;49(6):1284–9

Pain and weather. Warfield CA. **Hosp Pract [Off]** 1985 Oct 15;20(10):34A–34B

Effect of geomagnetic disturbances on the state of cardiovascular function in athletes. Ryzhikov GV, et al. **Hum Physiol** 1984 Jul–Aug;10(4):288–93

The influence of weather on host seeking and blood feeding of Prosimulium mixtum and Simulium venustum/verecundum complex (Diptera: Simuliidae). McCreadie JW, et al. **J Med Entomol** 1986 May 30; 23(3):289–97

Blood characteristics of the crab–eating monkeys (Macaca fascicularis) in Bali Island, Indonesia: implication of water deficiency in West Bali. Takenaka O. **J Med Primatol** 1986; 15(2):97–104

Otitis media: seasonality and absence of association with weather. Hilditch JR. **J Otolaryngol** 1985 Dec;14(6):365–8

Air pollution, weather, and violent crimes: concomitant time–series analysis of archival data. Rotton J, et al. **J Pers Soc Psychol** 1985 Nov;49(5):1207–20

Curiosity. Harris CM. **J R Soc Med** 1986 Jun;79(6):319–22

Whether weather affects arthritis [editorial] Hollander JL. **J Rheumatol** 1985 Aug;12(4):655–6

Relation between meteorological factors and pain in rheumatoid arthritis in a marine climate. Patberg WR, et al. **J Rheumatol** 1985 Aug;12(4):711–5

Weather and arthritis symptoms. Sibley JT. **J Rheumatol** 1985 Aug;12(4):707–10

Drought, recession and prevalence of low birth weight babies in poor urban populations of the north–east of Brazil [letter] Dias L, et al. **J Trop Pediatr** 1986 Jun;32(3):140–1

Leads from the MMWR. Rapid nutritional status evaluation during drought conditions—Republic of Niger. **JAMA** 1986 Jul 25;256(4):448–9

Leads from the MMWR. Rapid nutritional and health assessment of population affected by drought–associated famine—Chad. **JAMA** 1985 Nov 22–29;254(20):2878, 2880

Aeroallergen skin sensitivity in patients with severe asthma during a thunderstorm [letter] Packe GE, et al. **Lancet** 1986 Apr 12;1(8485):850–1

Rapid nutritional status evaluation during drought conditions—Republic of Niger. **MMWR** 1986 Jun 13; 35(23):384–6

Rapid nutritional and health assessment of the population affected by drought–associated famine—Chad. **MMWR** 1985 Nov 1;34(43):665–7

Rapid nutrition evaluation during drought conditions—Burkina Faso, 1985. **MMWR** 1986 Jan 10; 35(1):5–6, 11–2

It's raining pesticides in Hokkaido [news] Anderson A. **Nature** 1986 Apr 10–16;320(6062):478

Geophysical variables and behavior: XXIX. Impact of atmospheric conditions on occurrences of individual violence among Canadian penitentiary populations. Ganjavi O, et al. **Percept Mot Skills** 1985 Aug;61(1):259–75

24th Welbeck memorial lecture. A change in the weather. The nuclear winter predictions—their scientific basis and policy implications. Pentz M. **Radiography** 1985 Jul–Aug; 51(598):187–92

Influence of weather on stiffness and force in patients with rheumatoid arthritis. Rasker JJ, et al. **Scand J Rheumatol** 1986;15(1):27–36

Wet deposition of polycyclic aromatic hydrocarbons in The Netherlands. den Hollander H, et al. **Sci Total Environ** 1986 Jul;52(3):211–9

Rainfall, abundance of Aedes aegypti and dengue infection in Selangor, Malaysia. Li CF, et al. **Southeast Asian J Trop Med Public Health** 1985 Dec; 16(4):560–8

Effect of wet weather on lameness in dairy cattle. Williams LA, et al. **Vet Rec** 1986 Mar 8;118(10):259–61

[Effects of smog weather conditions on the emission status in traffic areas] Deimel M. **Schriftenr Ver Wasser Boden Lufthyg** 1986;69:129–42 **(Ger)**

[Effects of acid precipitation] Englert N. **Schriftenr Ver Wasser Boden Lufthyg** 1985;65:155–8 **(Ger)**

[Emission and weather effects on respiratory tract diseases of children in Berlin 1979 to 1982—croup syndrome] Fegeler U, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1986; 69:197–216 **(Ger)**

[Effects of acid precipitation on soil and ground water] Lorenz H, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1985; 65:351–6 **(Ger)**

[Status of knowledge about substance pollution of soil and ground water by acid precipitates in forests] Lorenz H. **Schriftenr Ver Wasser Boden Lufthyg** 1986;64:119–49 **(Ger)**

[Acid rain] Prescher KE. **Schriftenr Ver Wasser Boden Lufthyg** 1985;65:145–53 **(Ger)**

[Air pollutants of indoor air with reference to the status in smog weather conditions] Seifert B. **Schriftenr Ver Wasser Boden Lufthyg** 1986;69:143–52 **(Ger)**

[Effect of meteorologic and atmospheric health factors on acute diseases of the respiratory tract in children—as exemplified by the Biel region] Marty H. **Soz Praventivmed** 1986;31(1):29–31 (Eng. Abstr.) **(Ger)**

[Correlation of labor onset, membrane rupture and birth with meteorological events] Schaller A, et al. **Z Geburtshilfe Perinatol** 1985 Sep–Oct;189(5):202–9 (Eng. Abstr.) **(Ger)**

[Meteorotopy of odontogenic pain states] Kociok M, et al. **Z Gesamte Hyg** 1986 May;32(5):328–31 (Eng. Abstr.) **(Ger)**

[A statistical study on relation between numbers of patients with streptococcal infectious disease and meteorological data (2nd report)] Morita M, et al. **Kansenshogaku Zasshi** 1985 Sep;59(9):869–76 (Eng. Abstr.) **(Jpn)**

[Effect of selected weather conditions and air pollution associated with them on the mortality rate in Cracow] Powroźnik M, et al. **Folia Med Cracov** 1985;26(1–2):115–20 (Eng. Abstr.) **(Pol)**

[Prevention of meteotropic reactions in patients with ischemic heart disease] Dudchenko MA, et al. **Kardiologiia** 1985 Sep;25(9):117–8 **(Rus)**

[Antioxidants in the prevention of meteorotropic reactions in patients with ischemic heart disease] Kitura EM. **Klin Med (Mosk)** 1985 Oct;63(10):97–9 (Eng. Abstr.) **(Rus)**

[Correlations of annual geo– and helio–magnetic factors with the cytochemical status of peripheral blood thrombocytes and lymphocytes in normal children] Aksenov VV. **Lab Delo** 1986;(1):6–9 (Eng. Abstr.) **(Rus)**

[Bactericidal properties of the skin in response to exposure to atmospheric fronts] Musabaeva SZh. **Vestn Dermatol Venerol** 1986;(5):37–8 **(Rus)**

[Relation between psychiatric emergencies and meteorological factors] García Carretero L, et al. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1986 Mar–Apr;14(2):85–94 (Eng. Abstr.) **(Spa)**

[A study of meteorotropism in diseases and birth rate] Martín Orti R, et al. **Med Clin (Barc)** 1986 Mar 8;86(9):357–62 (Eng. Abstr.) **(Spa)**

WEAVER MICE see **MICE, NEUROLOGIC MUTANTS**

WEBER–CHRISTIAN DISEASE see **PANNICULITIS, NODULAR NONSUPPURATIVE**

WEBER–FECHNER LAW see **DIFFERENTIAL THRESHOLD**

WECHSLER SCALES

WAIS testing in degenerative and multi–infarct dementia. Gandolfo C, et al. **Acta Neurol (Napoli)** 1986 Feb;8(1):45–50

Wechsler Intelligence Tests: do we really have a criterion of mental retardation? Flynn JR. **Am J Ment Defic** 1985 Nov;90(3):236–44

Genetic and environmental contributions to the covariation between the Wechsler Adult Intelligence Scale (WAIS) subtests: a study of twins. Tambs K, et al. **Behav Genet** 1986 Jul;16(4):475–91

The predictive validity of Bannatyne's WISC categories for later reading achievement. McKay MF, et al. **Br J Educ Psychol** 1985 Nov;55 (Pt 3):280–7

Difficulties in comparing outcomes of low–birthweight studies because of obsolescent test norms. Bill JM, et al. **Dev Med Child Neurol** 1986 Apr;28(2):244–7

Another look at VIQ–PIQ scores and unilateral brain damage. Larrabee GJ. **Int J Neurosci** 1986 Mar; 29(1–2):141–8

Assessment of the accuracy of regression equations proposed for estimating premorbid intellectual functioning on the Wechsler Adult Intelligence Scale. Goldstein FC, et al. **J Clin Exp Neuropsychol** 1986 Aug;8(4):405–12

Anna Thompson and the American liner New York: some normative data. Ivison D. **J Clin Exp Neuropsychol** 1986 Jun;8(3):317–20

Behavioral observations during performance of the WAIS Block Design Test related to abnormalities of regional cerebral blood flow in organic dementia. Johanson AM, et al. **J Clin Exp Neuropsychol** 1986 Jun;8(3):201–9

Lateralized brain damage, sex differences, and the Wechsler Intelligence Scales: a reexamination of the literature. Snow WG, et al. **J Clin Exp Neuropsychol** 1986 Jun;8(3):179–89

Attempt at preclinical identification of Huntington's disease

using the WAIS. Strauss ME, et al.
J Clin Exp Neuropsychol 1986 Jun;8(3):210–8
A standardization of two measures that supplement WISC–R Coding subtest results. Evans JR, et al. **J Clin Psychol** 1986 Jul;42(4):654–7
WAIS–R and Shipley estimated IQ correlations. Fowles GP, et al. **J Clin Psychol** 1986 Jul;42(4):647–9
Performance on the Luria–Nebraska Neuropsychological Test Battery–Children's Revision: a comparison of children with and without significant WISC–R VIQ–PIQ discrepancies. Gilger JW, et al. **J Clin Psychol** 1985 Nov; 41(6):806–11
Comparisons of the P greater than V sign on the WISC–R and WAIS–R in delinquent males. Grace WC, et al.
J Clin Psychol 1986 Jan;42(1):173–6
Stability of WISC–R scores in a juvenile forensic sample. Haynes JP, et al. **J Clin Psychol** 1986 May;42(3):534–7
The cross–cultural validity of the Learning Disability Index: a reanalysis of Mishra's data. Inglis J, et al.
J Clin Psychol 1985 Sep;41(5):680–5
Neuropsychological and academic achievement correlates of abnormal WISC–R verbal–performance discrepancies. Lueger RJ, et al. **J Clin Psychol** 1985 Nov;41(6):801–5
A cross–validation of two short forms of the WAIS–R in a geriatric sample suspected of dementia. Margolis RB, et al. **J Clin Psychol** 1986 Jan;42(1):145–6
Wechsler Memory Scale performance in geropsychiatric patients. Piersma HL. **J Clin Psychol** 1986 Mar;42(2):323–7
Verbal–performance IQ discrepancies on the WAIS–R: estimated vs. empirical values. Silverstein AB.
J Clin Psychol 1985 Sep;41(5):694–7
An appraisal of three criteria for evaluating the usefulness of WAIS–R short forms. Silverstein AB.
J Clin Psychol 1985 Sep;41(5):676–80
Memory assessment using the Strub–Black Mental Status Examination and the Wechsler Memory Scale. Simpson N, et al. **J Clin Psychol** 1986 Jan;42(1):147–55
Relationships among W chsler intelligence and memory scale quotients in adult closed head injured patients. Solomon GS, et al. **J Clin Psychol** 1986 Mar;42(2):318–23
A longitudinal comparison of hypertensives and normotensives on the Wechsler Adult Intelligence Scale: initial findings. Schultz NR Jr, et al. **J Gerontol** 1986 Mar; 41(2):169–75
WAIS profiles in mentally retarded adults. Coolidge FL, et al. **J Ment Defic Res** 1986 Mar;30 (Pt 1):15–7
Wechsler performance–verbal discrepancy and antisocial behavior. Walsh A, et al. **J Soc Psychol** 1986 Jun; 126(3):419–20
The WAIS as a lateralizing and localizing diagnostic instrument: a study of 656 patients with unilateral cerebral lesions. Warrington EK, et al. **Neuropsychologia** 1986; 24(2):223–39
Wechsler performance IQ deficit in depressed children. Brumback RA. **Percept Mot Skills** 1985 Aug;61(1):331–5
Comparison of the Token Test of Language Development and the Wechsler Intelligence Scale for Children—Revised. Kitson DL, et al. **Percept Mot Skills** 1985 Oct;61(2):532–4
A noncoding motoric equivalent measures most of what the digit symbol does, including age changes. Le Fever FF. **Percept Mot Skills** 1985 Oct;61(2):371–7
Comparison of WAIS and WAIS–R scaled scores for an outpatient clinic sample retested over extended intervals. Wagner EE, et al. **Percept Mot Skills** 1985 Aug;61(1):87–90
Validation of a WAIS algorithm for the early onset of dementia. Coolidge FL, et al. **Psychol Rep** 1985 Dec;57(3 Pt 2):1299–302
Relationship of anxiety and depression scores to WAIS performance of psychiatric patients. Correll RE.
Psychol Rep 1985 Aug;57(1):295–301
WAIS Verbal and Performance IQ for a psychiatric population. Cullari S. **Psychol Rep** 1985 Dec;57(3 Pt 2):1169–70
Comparison of the WISC–R, PPVT–R, and PPVT for learning disabled children. Haddad FA. **Psychol Rep** 1986 Apr;58(2):659–62
Estimating WAIS IQ of neuropsychiatric patients at three educational levels. Schear JM, et al. **Psychol Rep** 1986 Jun; 58(3):947–50
[Measuring intelligence in children with the Revised Hamburg Wechsler Intelligence Test for Children] Boehnke K. **Prax Kinderpsychol Kinderpsychiatr** 1986 Feb–Mar;35(2):34–41 (Eng. Abstr.) **(Ger)**

WEDENSKY INHIBITION see under **NEURAL CONDUCTION**

WEDGE PRESSURE see **PULMONARY WEDGE PRESSURE**

WEGENER'S GRANULOMATOSIS

Case 26–1985: Wegener's granulomatosis [letter]
N Engl J Med 1985 Nov 14;313(20):1295
[Current status of Wegener's syndrome. Apropos of 2 cases] Kerbourc'h JF, et al. **Rev Pneumol Clin** 1984;40(4):255–60 (Eng. Abstr.) **(Fre)**
[Wegener's granulomatosis] Okuda M. **Ryumachi** 1985 Sep; 25(4):297–312 (89 ref.) **(Jpn)**
[Wegener's granulomatosis—case report] Tomljenović V, et al. **Lijec Vjesn** 1986 May;108(5):186–90 (Eng. Abstr.) **(Ser)**

COMPLICATIONS

Wegener's granulomatosis with infiltration of the prostate. Sözer IT. **Br J Urol** 1986 Jun;58(3):335
Gastrointestinal haemorrhage complicating Wegener's granulomatosis [letter] **Br Med J [Clin Res]** 1985 Nov 2; 291(6504):1275–6
Gastrointestinal haemorrhage complicating Wegener's granulomatosis. Coward RA, et al.
Br Med J [Clin Res] 1985 Sep 28;291(6499):865–6
Unusual cardiac complications of Wegener's granulomatosis. Schiavone WA, et al. **Chest** 1985 Nov;88(5):745–8
Wegener's granulomatosis with bilateral necrotizing scleritis, polyarthritis and renal failure efficiently treated with immunosuppressive therapy. Pavelka K Jr, et al.
Clin Rheumatol 1986 Jan;5(1):112–7
Pyopneumothorax: a rare complication of Wegener's granulomatosis. Wolffenbuttel BH, et al.
Eur J Respir Dis 1985 Sep;67(3):223–7
Intestinal perforation in Wegener's granulomatosis. Geraghty J, et al. **Gut** 1986 Apr;27(4):450–1
Wegener's granulomatosis with ureteric obstruction. Adelizzi RA, et al. **J Rheumatol** 1986 Apr;13(2):448–51
Bilateral otitis media and hearing loss in an adult [clinical conference] Colodny SM, et al. **Yale J Biol Med** 1986 Jan–Feb;59(1):17–23
[Wegener's disease disclosed by recurrent alveolar hemorrhage (letter)] Gentric A, et al. **Presse Med** 1986 Jun 14;15(24):1155–6 **(Fre)**
[Primary manifestation of Wegener's granulomatosis of the ear with reversible sensorineural hearing loss] Schrader B. **Laryngol Rhinol Otol (Stuttg)** 1986 Jan;65(1):29–31 (Eng. Abstr.) **(Ger)**
[Ischemia of the legs: unusual onset of Wegener's granulomatosis (letter)] Roces Varela A, et al.
Med Clin (Barc) 1985 Nov 2;85(14):596–7 **(Spa)**
[Diffuse pulmonary hemorrhage in Wegener's granulomatosis. Presentation of a case and review of the literature] Lens XM, et al. **Rev Clin Esp** 1985 Nov; 177(7):333–6 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Necrotizing systemic vasculitis with features of both Wegener's granulomatosis and Churg–Strauss vasculitis. Henochowicz S, et al. **Arthritis Rheum** 1986 Apr; 29(4):565–9
Wegener's granulomatosis in the elderly. Weiner SR, et al. **Arthritis Rheum** 1986 Sep;29(9):1157–9
Diagnosis of Wegener's granulomatosis by transbronchial biopsy. Givens CD Jr, et al. **Chest** 1985 Nov;88(5):794–6
Wegener granulomatosis [letter] Katsanis E, et al.
J Pediatr 1986 May;108(5 Pt 1):792–3
Presentation of Wegener's granulomatosis in young patients. Halstead LA, et al. **Otolaryngol Head Neck Surg** 1986 Mar; 94(3):368–71
Tuberculosis of the nasopharynx misdiagnosed as Wegener's granulomatosis. Harrison NK, et al. **Thorax** 1986 Mar; 41(3):219–20
[Nosologic criteria for the classification of midfacial granulomatosis] Pignat JC, et al.
Ann Otolaryngol Chir Cervicofac 1985;102(8):587–91 (Eng. Abstr.) **(Fre)**
[Bioclinical conference on pneumology. Hôpital Laënnec. Case no 2—4 December 1984. Pulmonary opacity associated with episcleritis and rhizomelic polyarthritis] de Cremoux H, et al. **Rev Pneumol Clin** 1986;42(2):98–103 **(Fre)**
[Diagnosis of Wegener's granulomatosis] Hoppe–Seyler G. **Dtsch Med Wochenschr** 1986 Jan 24;111(4):142–4 **(Ger)**
[Case of diagnosis of Wegener's granulomatosis during life] Kiseleva LN, et al. **Vrach Delo** 1986 Jan;(1):35–6 **(Rus)**
[Wegener's granulomatosis simulating gummatous syphilis] Nosatenko VE, et al. **Vrach Delo** 1985 Oct;(10):111–3 **(Rus)**

DRUG THERAPY

Failure of cyclophosphamide to prevent cerebritis in Wegener's granulomatosis. Kroneman OC 3d, et al.
Am J Med 1986 Mar;80(3):526–7
Secondary acute myeloblastic leukemia with a Ph translocation in a treated Wegener's granulomatosis. Ohyashiki K, et al. **Cancer Genet Cytogenet** 1986 Jan 15; 19(3–4):331–3
Wegener's granulomatosis arising in pregnancy. Milford CA, et al. **J Laryngol Otol** 1986 Apr;100(4):475–6
Hodgkin's lymphoma in a patient treated for Wegener's granulomatosis with cyclophosphamide and azathioprine. Colburn KK, et al. **J Rheumatol** 1985 Jun;12(3):599–602
Dilemmas in the management of chronic nasal and sinus inflammatory diseases of unknown etiology. Duncavage JA, et al. **Laryngoscope** 1985 Oct;95(10):1178–83
[Treatment of Wegener's granulomatosis] Hoppe–Seyler G. **Dtsch Med Wochenschr** 1986 Jan 24;111(4):144–5 **(Ger)**
[Late recurrence of Wegener disease] Bohn T, et al.
Internist (Berlin) 1985 Nov;26(11):711 **(Ger)**

ETIOLOGY

Multiple paracoccidioidomas simulating Wegener's granulomatosis. Severo LC, et al. **Mycopathologia** 1985 Aug;91(2):117–9
[Wegener's granulomatosis and renal transplantation] Azevedo LS, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1985 Mar–Apr;40(2):94–8 (Eng. Abstr.) **(Por)**

FAMILIAL & GENETIC

Wegener's granulomatosis in two sisters. Muniain MA, et al. **Ann Rheum Dis** 1986 May;45(5):417–21

IMMUNOLOGY

Anticytoplasmic antibodies in Wegener's granulomatosis [letter] Gross WL, et al. **Lancet** 1986 Apr 5;1(8484):806

PATHOLOGY

Segmental necrotizing glomerulonephritis: diagnostic, prognostic, and therapeutic significance. Weiss MA, et al.
Am J Kidney Dis 1985 Oct;6(4):199–211
Wegener's granulomatosis diagnosed by open lung biopsy. Christensen BL, et al. **Eur J Respir Dis** 1985 Sep; 67(3):220–2
Wegener's granulomatosis. An unusual cause of a breast lump. Paterson AG, et al. **J R Coll Surg Edinb** 1985 Oct; 30(5):332–5
Laryngeal manifestations of Wegener's granulomatosis: case reports and review of the literature. Waxman J, et al.
J Rheumatol 1986 Apr;13(2):408–11
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 17–1986. An 18–year–old man with cutaneous ulcers and bilateral pulmonary infiltrates. **N Engl J Med** 1986 May 1; 314(18):1170–84
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 31–1986. A 39–year–old woman with stenosis of the subglottic area and pulmonary artery. **N Engl J Med** 1986 Aug 7;315(6):378–87
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 12–1986. A 15–year–old boy with hemoptysis and occult blood in the urine.
N Engl J Med 1986 Mar 27;314(13):834–44
Limited Wegener's granulomatosis. Report of a case with oral, renal, and skin involvement. Hansen LS, et al.
Oral Surg Oral Med Oral Pathol 1985 Nov;60(5):524–31
[Midline granuloma syndrome] Zhu MG.
Chung–hua Ping Li Hsueh Tsa Chih 1985 Jun;14(2):143–5 (15 ref.) **(Chi)**
[Wegener's granulomatosis with bilateral necrotizing scleritis] Pavelka K Jr, et al. **Vnitr Lek** 1986 Feb;32(2):186–9 (Eng. Abstr.) **(Cze)**
[Bronchial involvement disclosing Wegener's granulomatosis] Breton JL, et al. **Rev Mal Respir** 1986; 3(3):153–5 (Eng. Abstr.) **(Fre)**
[Otologic manifestation of Wegener granulomatosis] Frank W, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Oct; 64(10):527–31 (Eng. Abstr.) **(Ger)**
[Follow–up of Wegener's granulomatosis with kidney involvement] Heinicke HJ. **Z Urol Nephrol** 1986 Mar; 79(3):163–9 (Eng. Abstr.) **(Ger)**
[Wegener's granulomatosis] Korovkin VS, et al.
Klin Med (Mosk) 1985 Dec;63(12):102–4 **(Rus)**
[Wegener's granulomatosis with primary manifestation in the oral cavity] Freidin LI. **Stomatologiia (Mosk)** 1986 May–Jun;65(3):33–5 (Eng. Abstr.) **(Rus)**
[Wegener's granulomatosis: a case report] Prija D, et al.
Placne Bolesti 1985 Jul–Dec;37(3–4):225–30 (Eng. Abstr.) **(Ser)**

PHYSIOPATHOLOGY

[Wegener's granulomatosis] Nishimura T, et al.
Nippon Rinsho 1985 Oct;43(10):2126–31 (30 ref.) **(Jpn)**

RADIOGRAPHY

Radiology of the paranasal sinuses in non–healing granulomas of the nose. Milford CA, et al. **Clin Otolaryngol** 1986 Jun; 11(3):199–204
Wegener's granulomatosis: radiographic and clinical pattern. Report of six cases. Rijckaert R, et al.
Eur J Respir Dis 1985 Sep;67(3):216–9
Intestinal hemorrhage in a case of Wegener disease. De Schepper A. **J Belge Radiol** 1985;68(6):452–3
Pulmonary manifestations in Wegener's granulomatosis. van Lerberghe E, et al. **J Belge Radiol** 1986;69(3):189–92
Computed tomography of diffuse tracheal stenosis in Wegener granulomatosis. Stein MG, et al.
J Comput Assist Tomogr 1986 Sep–Oct;10(5):868–70
Cerebral vasculitis secondary to Wegener's granulomatosis: computed tomography and angiographic findings. Yamashita Y, et al. **J Comput Tomogr** 1986 Apr; 10(2):115–20
[Diagnosis of Wegener's granulomatosis] Wendel H, et al.
Radiol Diagn (Berl) 1985;26(4):475–9 (Eng. Abstr.) **(Ger)**

WEIGHT GAIN see **BODY WEIGHT**

WEIGHT LIFTING see under **SPORTS**

WEIGHT LOSS see **BODY WEIGHT**

WEIGHT PERCEPTION

Jiggling a lifted weight does aid discrimination. Brodie EE, et al. **Am J Psychol** 1985 Fall;98(3):469–71
The measurement of differential thresholds for lifted weights

by microcomputer-controlled apparatus. Brodie EE. **Perception** 1985;14(3):371–6

Perception of force and weight: theory and research. Jones LA. **Psychol Bull** 1986 Jul;100(1):29–42 (140 ref.)

Application of the method of fixed set to the size–weight illusion. Nakatani K. **Psychol Res** 1985;47(4):223–33

PHYSIOLOGY

Visual impairment, verbal humor, and conservation. Tait PE. **J Genet Psychol** 1986 Mar;147(1):107–11

WEIGHTLESSNESS

Plasma viscosity elevations with simulated weightlessness. Martin DG, et al. **Aviat Space Environ Med** 1986 May; 57(5):426–31

First haemorheological experiment under zero gravity on space shuttle 'Discovery' [letter] Dintenfass L. **Biorheology** 1985;22(3):249

Mechanism for negative water balance during weightlessness: an hypothesis. Greenleaf JE. **J Appl Physiol** 1986 Jan; 60(1):60–2

Proceedings of the seventh annual meeting of the IUPS (International Union of Physiological Sciences) Commission on Gravitational Physiology. 13–18 October 1985. Niagara Falls, NY, USA. **Physiologist** 1985 Dec;28(6 Suppl):S1–253

Bone loss during simulated weightlessness: is it glucocorticoid mediated? Bikle DD, et al. **Physiologist** 1985 Dec;28(6 Suppl):S123–4

Volume regulating hormones (renin, aldosterone, vasopressin and natriuretic factor) during simulated weightlessness. Gharib C, et al. **Physiologist** 1985 Dec;28(6 Suppl):S30–3

Mechanisms for negative water balance during weightlessness: immersion or bed rest? Greenleaf JE. **Physiologist** 1985 Dec;28(6 Suppl):S38–9

Effect of simulated weightlessness and chronic 1,25-dihydroxyvitamin D administration on bone metabolism. Halloran BP, et al. **Physiologist** 1985 Dec;28(6 Suppl):S127–8

Transient dehydration of lungs in tail-suspended rats. Hargens AR, et al. **Physiologist** 1985 Dec;28(6 Suppl):S155–6

Possible mechanism for changes in glycogen metabolism in unloaded soleus muscle. Henriksen EJ, et al. **Physiologist** 1985 Dec;28(6 Suppl):S131–2

Muscle protein and glycogen responses to recovery from hypogravity and unloading by tail-cast suspension. Henriksen EJ, et al. **Physiologist** 1985 Dec;28(6 Suppl):S193–4

Cardiorespiratory responses to lower body negative pressure and tilt tests after exposure to simulated weightlessness. Katuntsev VP, et al. **Physiologist** 1985 Dec;28(6 Suppl):S40–2

Investigations of higher plants under weightlessness. Merkys AJ, et al. **Physiologist** 1985 Dec;28(6 Suppl):S43–6

Effects of weightlessness on neurotransmitter receptors in selected brain areas. Miller JD, et al. **Physiologist** 1985 Dec; 28(6 Suppl):S203–4

Changes in skeletal muscle properties following hindlimb suspension. Patterson GT, et al. **Physiologist** 1985 Dec;28(6 Suppl):S133–4

Altered carbohydrate metabolism in the whole body suspended rat. Steffen JM, et al. **Physiologist** 1985 Dec;28(6 Suppl):S139–40

Effects of non weight bearing on callus formation. Sweeney JR, et al. **Physiologist** 1985 Dec;28(6 Suppl):S63–4

Responses of amino acids in hindlimb muscles to recovery from hypogravity and unloading by tail-cast suspension. Tischler ME, et al. **Physiologist** 1985 Dec;28(6 Suppl):S191–2

Response of rat hindlimb muscles to 12 hours recovery from tail-cast suspension. Tischler ME, et al. **Physiologist** 1985 Dec;28(6 Suppl):S129–30

Effects of gravitational and muscular loading on bone formation in growing rats. Turner RT, et al. **Physiologist** 1985 Dec;28(6 Suppl):S67–8

[Circulatory and hormonal changes induced by microgravity] Gharib C, et al. **J Physiol (Paris)** 1985;80(3):182–8 (Eng. Abstr.) (Fre)

[Effects of weightlessness on phosphorus and calcium metabolism and bone remodeling] Alexandre C, et al. **Presse Med** 1986 May 17;15(20):923–7 (Eng. Abstr.) (Fre)

[Critical remarks on the interpretation of the thermal reaction of the labyrinth to weightlessness and evidence for the validity of the extended Bárány theory] Grohmann R. **HNO** 1986 Jan;34(1):40–5 (Eng. Abstr.) (Ger)

[The effect of weightlessness on the development of the neurosecretory structures of the hypothalamo–hypophyseal system of the rat brain (an electron microscope study)] Babichenko II. **Dokl Akad Nauk SSSR** 1986;286(4):976–8 (Rus)

[Effect of pharmacological agents to prevent the motion sickness syndrome on the cardiovascular system in simulating the early period of adaptation to weightlessness] Il'ina SL, et al. **Farmakol Toksikol** 1986 May–Jun; 49(3):90–5 (Eng. Abstr.) (Rus)

[Frequency of sister chromatid exchange in blood cells during prolonged hypokinesia] Bobkova NN. **Fiziol Cheloveka** 1986 May–Jun;12(3):503–6 (Rus)

[Role of the gravitation factor in the development of changes in the digestive system] Smirnov KV. **Fiziol Zh SSSR** 1986 Apr;72(4):484–9 (Eng. Abstr.) (Rus)

[Various reactions of the human body during 7 days of anti-orthostatic hypokinesia] Asiamolov BF, et al. **Kosm Biol Aviakosm Med** 1986 Jan–Feb;20(1):29–32 (Eng. Abstr.) (Rus)

[Forced expiration indices of the healthy human being in simulated weightlessness] Asiamolova NM, et al. **Kosm Biol Aviakosm Med** 1985 Nov–Dec;19(6):34–7 (Eng. Abstr.) (Rus)

[Determining the Bacillus subtilis biomass increase coefficient in weightlessness] Bergter F, et al. **Kosm Biol Aviakosm Med** 1985 Jul–Aug;19(4):63–5 (Eng. Abstr.) (Rus)

[Serum enzyme activity of healthy subjects during modeling of the effects of weightlessness] Popova IA. **Kosm Biol Aviakosm Med** 1986 Mar–Apr;20(2):54–8 (Eng. Abstr.) (Rus)

[Various results of the bioenergetics of muscles in weightlessness] Mailian ES, et al. **Patol Fiziol Eksp Ter** 1985 Sep–Oct;(5):69–73 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Effect of simulated weightlessness on exercise-induced anaerobic threshold. Convertino VA, et al. **Aviat Space Environ Med** 1986 Apr;57(4):325–31

Thymic involution in the suspended rat: adrenal hypertrophy and glucocorticoid receptor content. Steffen JM, et al. **Aviat Space Environ Med** 1986 Feb;57(2):162–7

[Typologic characteristics of central hemodynamics in the monkey in reclining and upright positions] Demin AN, et al. **Kosm Biol Aviakosm Med** 1986 Mar–Apr;20(2):60–5 (Eng. Abstr.) (Rus)

[Effect of weightlessness and and its simulations on the mechanical properties of the bones of animals undergoing torsion] Dobelis MA, et al. **Kosm Biol Aviakosm Med** 1985 Nov–Dec;19(6):40–5 (Eng. Abstr.) (Rus)

[Paramecium test for toxic substances in the blood of humans exposed to conditions simulating weightlessness] Lavrov VI, et al. **Kosm Biol Aviakosm Med** 1986 Mar–Apr; 20(2):58–60 (Eng. Abstr.) (Rus)

WEIGHTS AND MEASURES

Nomenclature on energy. Practical consequences of the relevant SI-shunt. Nesbakken R. **Acta Anaesthesiol Scand [Suppl]** 1985;82:32

Now read this: the SI units are here [editorial] Lundberg GD, et al. **Am J Dis Child** 1986 Jun;140(6):513–23

International units for tissue plasminogen activator [letter] Roberts HR. **Ann Intern Med** 1986 Oct;105(4):627

The International System of Units (Système International) [editorial] Bailey BJ. **Arch Otolaryngol Head Neck Surg** 1986 Jun;112(6):609

Use of molar units for drugs and toxins? [editorial] Baron DN. **Br Med J [Clin Res]** 1986 Jul 5;293(6538):2–3

Use of SI-units in cardiorespiratory physiology and biophysics. Fonseca-Costa A. **Braz J Med Biol Res** 1985; 18(2):135–42

Minimizing interlaboratory variation in routine assays of serum cholesterol through the use of serum calibrators. Boerma GJ, et al. **Clin Chem** 1986 Jun;32(6):943–7

Energy, protein and fat intake estimated using a food recording electronic device compared with a weighed diary. Stockley L, et al. **Hum Nutr Appl Nutr** 1986 Feb; 40(1):19–23

International Federation of Clinical Chemistry (IFCC), Scientific Committee, Analytical Section. Guidelines (1985) for classification, calculation and evaluation of conversion rates in clinical chemistry. Bechtler G, et al. **J Clin Chem Clin Biochem** 1985 Aug;23(8):493–503

Now read this: the SI units are here. Lundberg GD, et al. **JAMA** 1986 May 2;255(17):2329–39

Device for sterile calibration of an oxygen sensor. Odman S, et al. **Med Biol Eng Comput** 1985 Sep;23(5):498–500

SCE Nordic alpha-amylase study. II: Assessment of proposed calibration procedure. A report by the Scandinavian Committee on Enzymes (SCE). Gerhardt W, et al. **Scand J Clin Lab Invest** 1986 Sep;46(5):465–9

Origami and oral rehydration [letter] Young B, et al. **Trans R Soc Trop Med Hyg** 1985;79(5):735

[Scales and weighing] Beyer C. **Pharm Unserer Zeit** 1985 Nov;14(6):161–74 (Ger)

[Basic radiation values and their eponyms] Valnberg MSh, et al. **Med Radiol (Mosk)** 1986 Mar;31(3):49–52 (Rus)

HISTORY

[Arabic medicinal measurements and weights in Latin translations of Arabic medical literature] Fellmann I. **Sudhoffs Arch** 1985;69(2):228–31 (Ger)

[Verification of medical measuring methods] Pelić M. **Vojnosanit Pregl** 1986 Mar–Apr;43(2):140–2 (Ser)

STANDARDS

Expression of haemoglobin results [letter] Verwilghen RL. **Haematologica (Pavia)** 1985 Jul–Aug;70(4):376

Units for therapeutic drug monitoring toxicology [letter] **Lancet** 1986 Apr 26;1(8487):979–80

Units for drug concentrations in biological fluids [letter] **Lancet** 1986 Mar 1;1(8479):505

Recommended units for reporting drug concentrations in biological fluids. Ratcliffe JG, et al. **Lancet** 1986 Jan 25; 1(8474):202–3

Units for drug concentrations in biological fluids [letter] Watson ID, et al. **Lancet** 1986 Mar 29;1(8483):741–2

[Calibration standard of the multichannel blood cell counter] Matsuhara T, et al. **Rinsho Byori** 1985 Nov;33(11):1275–8 (Jpn)

WEIL'S DISEASE

Studies on equine recurrent uveitis. II: The role of infection with Leptospira interrogans serovar pomona. Halliwell RE, et al. **Curr Eye Res** 1985 Oct;4(10):1033–40

[2 cases of bilateral acute necrotizing retinitis: 1 in icterohemorrhagic leptospirosis, the other caused by probable autoimmune involvement (bilateral acute retinal necrosis)] Karsenti G, et al. **Bull Soc Ophtalmol Fr** 1985 Apr;85(4):501–10 (Fre)

COMPLICATIONS

Experimental infection of pregnant and lactating goats with Leptospira interrogans serovars hardjo and szwajizak. Tripathy DN, et al. **Am J Vet Res** 1985 Dec;46(12):2515–8

Adult respiratory distress syndrome in leptospira icterohaemorrhagiae infection. Chee HD, et al. **Intensive Care Med** 1985;11(5):254–6

[Weil's disease with multiple organ failure and ischemia of the colon] Jørgensen JC, et al. **Ugeskr Laeger** 1985 Oct 21;147(43):3407–8 (Eng. Abstr.) (Dan)

[Predominant pulmonary manifestations in leptospirosis icterohemorrhagica] Carre P, et al. **Rev Mal Respir** 1985; 2(6):343–9 (Eng. Abstr.) (Fre)

[Pulmonary syndrome in leptospirosis] Klishevich BA, et al. **Klin Med (Mosk)** 1985 Oct;63(10):129–32 (Rus)

[Rare complication in leptospirosis] Primachenko NB, et al. **Klin Med (Mosk)** 1986 Apr;64(4):129–31 (Rus)

DIAGNOSIS

Enzyme-linked immunosorbent assay for determining specific immunoglobulin M in infections caused by Leptospira interrogans serovar hardjo. Milner AR, et al. **J Clin Microbiol** 1985 Oct;22(4):539–42

[Leptospirosis in a poultry slaughterhouse] Jacobs JW, et al. **Ned Tijdschr Geneeskd** 1986 Jul 26;130(30):1367–9 (Eng. Abstr.) (Dut)

[Blood enzyme and isoenzyme spectra in leptospiral and viral jaundice] Pupkevich-Diamant IaS, et al. **Klin Med (Mosk)** 1986 Apr;64(4):85–91 (Eng. Abstr.) (Rus)

ETIOLOGY

Leptospiras versus liberty [letter] Campistol JM, et al. **Lancet** 1986 Aug 2;2(8501):295

IMMUNOLOGY

Phagocytosis as a defense mechanism against infection with leptospiras. Isogai E, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Feb; 261(1):65–74

Detection of antibodies to leptospiral genus-specific antigen in human and animal sera by indirect hemagglutination test with a partially purified genus-specific protein antigen. Sakamoto N, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1985 Jul; 259(4):548–56

[Role of macrophages and complement in protecting white mice against Leptospira icterohemorrhagiae infection] Zhang ZF. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1986 Jun;7(3):153–6 (Eng. Abstr.) (Chi)

MICROBIOLOGY

Radiometric method for the rapid detection of Leptospira organisms. Manca N, et al. **J Clin Microbiol** 1986 Feb; 23(2):401–3

OCCURRENCE

Weil's syndrome in a zoologist. Looke DF. **Med J Aust** 1986 May 26;144(11):597, 600–1

[Surveillance of icterohemorrhagic leptospirosis in France (1974–1983)] Mailloux M, et al. **Rev Epidemiol Sante Publique** 1985;33(6):425–31 (Eng. Abstr.) (Fre)

PATHOLOGY

[Studies on the structural and functional changes in the pulmonary microvessels in pulmonary diffuse hemorrhage in leptospirosis] Bao L, et al. **Sou Chuan I Hsueh Yuan Hsueh Pao** 1985 Dec;16(4):285–8 (Eng. Abstr.) (Chi)

[A study of freeze replica and SEM on the hepatocytic tight junctions and canaliculi in the guinea pig with Leptospirosis icterohaemorrhagiae] Peng HR, et al. **Sou Chuan I Hsueh Yuan Hsueh Pao** 1985 Sep;16(3):225–9 (Eng. Abstr.) (Chi)

PREVENTION & CONTROL

Doxycycline prophylaxis for experimental leptospira infection in non-human primates and hamsters. Elwell MR, et al. **Southeast Asian J Trop Med Public Health** 1985 Jun;

16(2):268–73

TRANSMISSION

Retrospective reflections of a medical parasitologist: experiment and auto-experiment. van Thiel PH. **Acta Leiden** 1985;53:31–6

VETERINARY

Isolation of Leptospira interrogans serovar bratislava from sows in Iowa. Ellis WA, et al. **Am J Vet Res** 1986 Jul; 47(7):1458–60

DNA homology studies of leptospires of serogroups Sejroe and Pomona from cattle and swine. Le Febvre RB, et al. **Am J Vet Res** 1986 Apr;47(4):959–63

Experimental infection of lactating goats with Leptospira interrogans serovars pomona and hardjo. Tripathy DN, et al. **Am J Vet Res** 1985 Dec;46(12):2512–4

Use of enzyme immunoassay in a serological survey of leptospirosis in sheep. Cousins DV, et al. **Aust Vet J** 1986 Feb;63(2):36–9

Leptospira interrogans serovar hardjo infection in a sheep. Mitchell G, et al. **Aust Vet J** 1985 Oct;62(10):346–7

Laboratory and clinical features of experimental feline leptospirosis. Larsson CE, et al. **Int J Zoonoses** 1985 Jun; 12(2):111–9

Excretion of Leptospira interrogans serovar hardjo following calving or abortion. Ellis WA, et al. **Res Vet Sci** 1985 Nov; 39(3):296–8

Dihydrostreptomycin treatment of bovine carriers of Leptospira interrogans serovar hardjo. Ellis WA, et al. **Res Vet Sci** 1985 Nov;39(3):292–5

Experimental trials on the use of radioimmunoassay for the detection of leptospiral antigens in urine. Bahaman AR, et al. **Vet Microbiol** 1986 Jul;12(2):161–7

Bovine leptospirosis: experimental serovar hardjo infection. Ellis WA, et al. **Vet Microbiol** 1986 Mar;11(3):293–9

Vaccination against leptospiral abortion and renal carriage [letter] Broughton ES, et al. **Vet Rec** 1986 Feb 15; 118(7):190–1

Bovine leptospirosis: some clinical features of serovar hardjo infection. Ellis WA, et al. **Vet Rec** 1985 Aug 3;117(5):101–4

WELDING

Welding arc maculopathy. Uniat L, et al. **Am J Ophthalmol** 1986 Sep 15;102(3):394–5

Barium in welding fume [letter] Moreton J, et al. **Ann Occup Hyg** 1985;29(3):443–4

Further studies on the exposure of welders to fumes, chromium, nickel and gases in Dutch industries: plasma welding and cutting of stainless steel. van der Wal JF. **Ann Occup Hyg** 1986;30(2):153–61

Exposure of welders to fumes, Cr, Ni, Cu and gases in Dutch industries. van der Wal JF. **Ann Occup Hyg** 1985; 29(3):377–89

Kinetics of the metal components of intratracheally instilled stainless steel welding fume suspensions in rats. Kalliomäki PL, et al. **Br J Ind Med** 1986 Feb;43(2):112–9

Determination of chromium speciation in fumes prepared by a plasma metal sprayer as a model of actual welding fumes. Sawatari K, et al. **Ind Health** 1986;24(1):51–61

Welding processes and ocular hazards and new protective devices. Pabley SA, et al. **Indian J Ophthalmol** 1984 Sep–Oct;32(5):347–9

Exposure in welding of high nickel alloy. Akesson B, et al. **Int Arch Occup Environ Health** 1985;56(2):111–7

Lung function and clinical findings in a cross-sectional study of arc welders. An epidemiological study. Mur JM, et al. **Int Arch Occup Environ Health** 1985;57(1):1–17

Welding fumes and chromium compounds in cell transformation assays. Hansen K, et al. **J Appl Toxicol** 1985 Oct;5(5):306–14

The use of regression analyses in a cohort mortality study of welders. Steenland K, et al. **J Chronic Dis** 1986; 39(4):287–94

Skeletal muscle and myocardial injury associated with metal fume fever. Shusterman D, et al. **J Fam Pract** 1986 Aug; 23(2):159–60

Respiratory effects of arc welding [letter] Sjögren B. **J Soc Occup Med** 1986 Spring;36(1):35

Cytotoxic effects of four types of welding fumes on macrophages in vitro: a comparative study. Pasanen JT, et al. **J Toxicol Environ Health** 1986;18(1):143–52

[Occupational health status of arc welders in the chemical industry] Richter KH. **Z Gesamte Hyg** 1985 Nov; 31(11):628–31 (Eng. Abstr.) **(Ger)**

[Problem of determining fluorides in the air] Iakimova VP, et al. **Gig Tr Prof Zabol** 1986 Jan;(1):42–4 **(Rus)**

[Evaluation of the functional capacity of the macular area according to the results of the photo-stress test in welders] Dobromyslov AN, et al. **Vestn Oftalmol** 1985 Sep–Oct; 101(5):33–6 (Eng. Abstr.) **(Rus)**

[Hygienic characteristics of exposure of the body to magnesium and aluminum magnide dust and to the aerosol formed during the welding of an aluminum–magnesium allov] Gorban' LN, et al. **Vrach Delo** 1986 Feb;(2):105–8 (Eng. Abstr.) **(Rus)**

METHODS

[Initial results of radiant heat exposure of arc welders and gray cast welders during work] Richter KH, et al. **Z Gesamte Hyg** 1985 Sep;31(9):536–8 (Eng. Abstr.) **(Ger)**

STANDARDS

[Materials for determining the MPEL of welding aerosols containing manganese, chromium and nickel in the air of the work area] Gorban' LN, et al. **Gig Tr Prof Zabol** 1986 May;(5):26–9 (Eng. Abstr.) **(Rus)**

WELL CHILD CONFERENCE see CHILD HEALTH SERVICES

WELLNESS PROGRAMS see HEALTH PROMOTION

WERLHOF'S DISEASE see PURPURA, THROMBOCYTOPENIC

WERMER SYNDROME see NEOPLASMS, MULTIPLE ENDOCRINE

WERNER'S SYNDROME

Werner's syndrome and human aging. Proceedings of a United States–Japan cooperative seminar. December 10–12, 1982, Kobe, Japan. **Adv Exp Med Biol** 1985;190:1–656

COMPLICATIONS

Clinical, demographic, and genetic aspects of the Werner syndrome in Japan. Goto M, et al. **Adv Exp Med Biol** 1985; 190:245–61

Werner's syndrome associated with cholangiocarcinoma. Okamura H, et al. **Jpn J Med** 1986 May;25(2):179–83

DIAGNOSIS

Lymphocyte proliferation and nucleoid sedimentation in a case of premature aging distinct from Werner's syndrome. Kim MA, et al. **Arch Dermatol Res** 1986;278(4):277–82

[Werner's syndrome and collagen diseases] Murata K. **Ryumachi** 1986 Feb;26(1):41–50 (18 ref.) **(Jpn)**

ENZYMOLOGY

Induction of DNA polymerase alpha in senescent cultures of normal and Werner's syndrome cultured skin fibroblasts. Pendergrass WR, et al. **J Cell Physiol** 1985 Aug; 124(2):331–6

ETIOLOGY

Werner's syndrome and aging: a reappraisal. Epstein CJ. **Adv Exp Med Biol** 1985;190:219–28

Genetics and aging; the Werner syndrome as a segmental progeroid syndrome. Martin GM. **Adv Exp Med Biol** 1985; 190:161–70 (23 ref.)

FAMILIAL & GENETIC

A comparison of adult and childhood progerias: Werner syndrome and Hutchinson–Gilford progeria syndrome. Brown WT, et al. **Adv Exp Med Biol** 1985;190:229–44 (33 ref.)

Cytogenetic aspects of Werner syndrome. Salk D, et al. **Adv Exp Med Biol** 1985;190:541–6

In vitro studies of Werner syndrome cells: aberrant growth and chromosome behavior. Salk D. **Basic Life Sci** 1985; 35:419–26

Chromosomal diagnosis of the Werner syndrome. Jaramillo C, et al. **Birth Defects** 1985;21(2):119–26

[Mutagen sensitivity and the repair process of the lymphocytes in the Werner syndrome] Deknudt G, et al. **C R Soc Biol (Paris)** 1985;179(4):518–21 (Eng. Abstr.) **(Fre)**

HISTORY

On cataract in conjunction with scleroderma. Otto Werner, doctoral dissertation, 1904, Royal Ophthalmology Clinic, Royal Christian Albrecht University of Kiel. **Adv Exp Med Biol** 1985;190:1–14

Werner's syndrome (progeria of the adult) and Rothmund's syndrome: two types of closely related heredofamilial atrophic dermatoses with juvenile cataracts and endocrine features; a critical study with five new cases. S.J. Tannhauser. Reprinted from Annals of Internal Medicine, 23:559 (1945). **Adv Exp Med Biol** 1985;190:15–56

IMMUNOLOGY

Immunological aspects of Werner's syndrome: an analysis of 17 patients. Goto M, et al. **Adv Exp Med Biol** 1985; 190:263–84

METABOLISM

Proteoglycans in the Werner syndrome and aging: a review and perspective. Bryant E, et al. **Adv Exp Med Biol** 1985; 190:553–65 (31 ref.)

Glycosaminoglycan synthesis in untransformed and transformed Werner syndrome fibroblasts: a preliminary report. Fujiwara Y, et al. **Adv Exp Med Biol** 1985; 190:613–25

Autoradiographic studies of DNA replication in Werner's syndrome cells. Hanaoka F, et al. **Adv Exp Med Biol** 1985; 190:439–57

Histone H1 in G1 arrested, senescent, and Werner syndrome fibroblasts. Mitsui Y, et al. **Adv Exp Med Biol** 1985; 190:373–89

Clinical and metabolic studies on Werner's syndrome: with special reference to disorders of lipid and liver function. Murata K, et al. **Adv Exp Med Biol** 1985;190:285–304

Acidic glycosaminoglycans in Werner's syndrome: studies on levels in tissue, organ, cell, and fluid. Murata K, et al. **Adv Exp Med Biol** 1985;190:587–606

Acidic glycosaminoglycans of SV40-transformed Werner's syndrome cells. Murata K, et al. **Adv Exp Med Biol** 1985; 190:607–12

Cell fusion studies and biochemical analysis of DNA synthesis in Werner and non-Werner cultured cells. Pendergrass W, et al. **Adv Exp Med Biol** 1985;190:353–72

Cell fusion studies in the Werner syndrome. Tanaka K, et al. **Adv Exp Med Biol** 1985;190:341–51

OCCURRENCE

A population and cytogenetic study of the Werner syndrome in Sardinia. Fraccaro M, et al. **Adv Exp Med Biol** 1985; 190:547–52

PATHOLOGY

Abnormal fibroblast aging and DNA replication in the Werner syndrome. Fujiwara Y, et al. **Adv Exp Med Biol** 1985;190:459–77

Experimental studies on Werner's syndrome fibroblasts. Holliday R, et al. **Adv Exp Med Biol** 1985;190:331–9

Pathology of the Werner syndrome. Ishii T, et al. **Adv Exp Med Biol** 1985;190:187–214

Studies of SV40-infected Werner syndrome fibroblasts. Matsumura T, et al. **Adv Exp Med Biol** 1985;190:313–30

Cell surface changes in senescent and Werner's syndrome fibroblasts: their role in cell proliferation. Mitsui Y, et al. **Adv Exp Med Biol** 1985;190:567–85

Cellular mechanisms of aging in the Werner syndrome. Nikaido O, et al. **Adv Exp Med Biol** 1985;190:421–38

Growth characteristics of Werner syndrome cells in vitro. Salk D, et al. **Adv Exp Med Biol** 1985;190:305–11

Neuropathology of the Werner syndrome. Sumi SM. **Adv Exp Med Biol** 1985;190:215–8

PHYSIOPATHOLOGY

Clinical, endocrine and metabolic aspects of the Werner syndrome compared with those of normal aging. Imura H, et al. **Adv Exp Med Biol** 1985;190:171–85

URINE

The molecular weight-dependent distribution of urinary glycosaminoglycans in Werner's syndrome. Murata K. **Biochem Med** 1985 Dec;34(3):251–8

WERNICKE AREA see TEMPORAL LOBE

WERNICKE'S ENCEPHALOPATHY

CHEMICALLY INDUCED

Wernicke–Korsakoff-like syndrome in patients with colorectal carcinoma treated with high-dose doxifluridine (5'-dFUrd). Heier MS, et al. **Acta Neurol Scand** 1986 May; 73(5):449–57

COMPLICATIONS

Coma as presenting manifestation of Wernicke's encephalopathy. De Keyser J, et al. **J Emerg Med** 1985; 3(5):361–3

The varied faces of Wernicke's encephalopathy [editorial] Marx JA. **J Emerg Med** 1985;3(5):411–3

[Anatomo-clinical conference of Brugmann Hospital. Coma in a leukemic adult] Kraytman M. **Acta Clin Belg** 1985; 40(5):322–8 **(Fre)**

[Respiratory distress syndrome and hypothermia in Wernicke's encephalopathy] Domenighetti G, et al. **Schweiz Med Wochenschr** 1985 Dec 7;115(49):1764–6 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Clinical signs in the Wernicke–Korsakoff complex: a retrospective analysis of 131 cases diagnosed at necropsy. Harper CG, et al. **J Neurol Neurosurg Psychiatry** 1986 Apr; 49(4):341–5

Acute severe hypophosphataemia mimicking Wernicke's encephalopathy [letter] Vanneste J, et al. **Lancet** 1986 Jan 4;1(8471):44

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 33–1986. A 62-year-old alcoholic man with confusion, ataxia, and a rash. **N Engl J Med** 1986 Aug 21;315(8):503–8

DRUG THERAPY

Xanthopsia treated with thiamine. von Eyben FE, et al. **Acta Ophthalmol (Copenh)** 1985 Oct;63(5):591–2

Reversible coma in Wernicke's encephalopathy [letter] Rayner HC, et al. **Postgrad Med J** 1985 Dec;61(722):1097

ENZYMOLOGY

Transketolase variant enzymes and brain damage. Pratt OE,

et al. **Alcohol Alcohol** 1985;20(2):223–32

Activities of thiamine-dependent enzymes in two experimental models of thiamine-deficiency encephalopathy. 2. alpha-Ketoglutarate dehydrogenase. Butterworth RF, et al. **Neurochem Res** 1986 Apr; 11(4):567–77

ETIOLOGY

The Wernicke–Korsakoff syndrome in Queensland, Australia: antecedents and prevention. Price J. **Alcohol Alcohol** 1985; 20(2):233–42

Neurological complications associated with parenteral treatment: central pontine myelinolysis and Wernicke's encephalopathy. Thompson PD, et al. **Br Med J [Clin Res]** 1986 Mar 8;292(6521):684–5

Acute Wernicke's encephalopathy in a recently recovered alcoholic. Goshorn RK. **Indiana Med** 1986 Apr;79(4):342–3

Wernicke's encephalopathy after prolonged fasting. Waterston JA, et al. **Med J Aust** 1986 Aug 4–18; 145(3–4):154–5

Lactic acidosis and beer drinking. Evans JR, et al. **Scott Med J** 1985 Oct;30(4):237–8

HISTORY

[The men behind the syndrome: Carl Wernicke and Sergej Korsakov. They founded the new psychiatry at the turn of the century] Ljungberg L. **Lakartidningen** 1985 Oct 30; 82(44):3788–9 **(Swe)**

METABOLISM

Wernicke–Korsakoff encephalopathy and the endorphin system [letter] Iacono R, et al. **Postgrad Med J** 1986 Apr; 62(726):315

OCCURRENCE

Wernicke's encephalopathy in a metropolitan hospital. A prospective study of incidence, characteristics and outcome. Wood B, et al. **Med J Aust** 1986 Jan 6;144(1):12–6

PATHOLOGY

Neuroanatomical consequences of thiamine deficiency: a comparative analysis. Witt ED. **Alcohol Alcohol** 1985; 20(2):201–21

PHYSIOPATHOLOGY

Visual evoked responses in chronic alcoholics. Chan YW, et al. **J Neurol Neurosurg Psychiatry** 1986 Aug;49(8):945–50

A comparison of brainstem auditory evoked responses evoked by rarefaction and condensation stimulation in control subjects and in patients with Wernicke–Korsakoff syndrome and multiple sclerosis. Hammond SR, et al. **J Neurol Sci** 1986 Jul;74(2–3):177–90

PREVENTION & CONTROL

Should thiamine be added to beer? Finlay-Jones R. **Aust NZ J Psychiatry** 1986 Mar;20(1):3–6

Thiamin deficiency and prevention of the Wernicke–Korsakoff syndrome. A major public health problem. Yellowlees PM. **Med J Aust** 1986 Sep 1; 145(5):216–9

RADIOGRAPHY

[Apropos of Wernicke's encephalopathy with a hypodense image around the 3d ventricle on the CAT scan] Burguera JA, et al. **Arch Neurobiol (Madr)** 1985 May–Jun;48(3):110–2 **(Spa)**

THERAPY

Alternative strategy for reading aloud. A case report. Grossi D, et al. **Acta Neurol (Napoli)** 1986 Feb;8(1):36–44

WEST NILE FEVER see under **TOGAVIRUS INFECTIONS**

WEST NILE VIRUS

ANALYSIS

Sequence analysis of the membrane protein V3 of the flavivirus West Nile virus and of its gene. Wengler G, et al. **Virology** 1985 Dec;147(2):264–74

GENETICS

Primary structure of the West Nile flavivirus genome region coding for all nonstructural proteins. Castle E, et al. **Virology** 1986 Feb;149(1):10–26

IMMUNOLOGY

Determination of human IgG and IgM class antibodies to West Nile virus by enzyme linked immunosorbent assay (ELISA). Feinstein S, et al. **J Med Virol** 1985 Sep; 17(1):63–72

A new mechanism for the neutralization of enveloped viruses by antiviral antibody. Gollins SW, et al. **Nature** 1986 May 15–21;321(6067):244–6

ISOLATION & PURIFICATION

Sindbis and West Nile virus infections in the Witwatersrand–Pretoria region. Jupp PG, et al. **S Afr Med J** 1986 Aug 16;70(4):218–20

PHYSIOLOGY

The uncoating and infectivity of the flavivirus West Nile on interaction with cells: effects of pH and ammonium chloride. Gollins SW, et al. **J Gen Virol** 1986 Sep;67 (Pt 9):1941–50

pH-dependent fusion between the flavivirus West Nile and liposomal model membranes. Gollins SW, et al. **J Gen Virol** 1986 Jan;67 (Pt 1):157–66

Interaction of West Nile virus with primary murine macrophages: role of cell activation and receptors for antibody and complement. Cardosa MJ, et al. **J Virol** 1986 Mar;57(3):952–9

WEST SYNDROME see **SPASMS, INFANTILE**

WET LUNG see **RESPIRATORY DISTRESS SYNDROME, ADULT**

WETTING AGENTS see under **SURFACE-ACTIVE AGENTS**

WHALES see under **CETACEA**

WHEAT

Low bioavailability of carbonyl iron in man: studies on iron fortification of wheat flour. Hallberg L, et al. **Am J Clin Nutr** 1986 Jan;43(1):59–67

Colonic metabolism of wheat starch in healthy humans. Effects on fecal outputs and clinical symptoms. Flourie B, et al. **Gastroenterology** 1986 Jan;90(1):111–9

Effects of a new, concentrated wheat fibre preparation on intestinal transit, deoxycholic acid metabolism and the composition of bile. Marcus SN, et al. **Gut** 1986 Aug; 27(8):893–900

Long-term influence of a wheat-bran supplemented diet on secretion of gastrointestinal hormones and on nutrient absorption in healthy man. Beck B, et al. **Hum Nutr Clin Nutr** 1986 Jan;40(1):25–33

Variability in the dietary fiber content of wheat and mixed-grain commercial breads. Patrow CJ, et al. **J Am Diet Assoc** 1986 Jun;86(6):794–6

Effects of feeding wheat contaminated with wild radish (Raphanus raphanistrum) to growing pigs. Hale OM, et al. **J Anim Sci** 1985 Nov;61(5):1172–7

The influence of wheat bran and sugar-beet pulp on the digestibility of dietary components in a cereal-based pig diet. Graham H, et al. **J Nutr** 1986 Feb;116(2):242–51

Effect of increasing levels of hard wheat fiber on fecal weight, minerals and steroids and gastrointestinal transit time in healthy young women. Spiller GA, et al. **J Nutr** 1986 May;116(5):778–85

ADVERSE EFFECTS

Toxicity mechanisms of wheat and other cereals in celiac disease and related enteropathies. Auricchio S, et al. **J Pediatr Gastroenterol Nutr** 1985 Dec;4(6):923–30 (88 ref.)

[A case of chronic hypersensitivity pneumonitis induced by wheat flour] Chida K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Dec; 23(12):1472–9 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Determination of organic acids in seven wheat varieties by capillary gas chromatography. Burke DG, et al. **Anal Biochem** 1985 Sep;149(2):421–9

Unique-sample selection via near-infrared spectral subtraction. Honigs DE, et al. **Anal Chem** 1985 Oct; 57(12):2299–303

Effect of cleaning, milling, and baking on deoxynivalenol in wheat. Abbas HK, et al. **Appl Environ Microbiol** 1985 Aug;50(2):482–6

Determination of amylase activity in serum by using a wheat germ inhibitor with the Du Pont aca. Lacher DA, et al. **Clin Chem** 1986 Aug;32(8):1539–41

Chemical form of cadmium (and other heavy metals) in rice and wheat plants. Kaneta M, et al. **Environ Health Perspect** 1986 Mar;65:33–7

A limited survey of Fusarium mycotoxins nivalenol, deoxynivalenol and zearalenone in 1984 UK harvested wheat and barley. Tanaka T, et al. **Food Addit Contam** 1986 Jul–Sep;3(3):247–52

Thin layer chromatographic method for determination of deoxynivalenol in wheat: collaborative study. Eppley RM, et al. **J Assoc Off Anal Chem** 1986 Jan–Feb;69(1):37–40

Deoxynivalenol in hard red winter wheat: relationship between toxin levels and factors that could be used in grading. Shotwell OL, et al. **J Assoc Off Anal Chem** 1985 Sep–Oct;68(5):954–7

Liquid chromatographic determination of ergot alkaloids in wheat. Ware GM, et al. **J Assoc Off Anal Chem** 1986 Jul–Aug;69(4):697–9

Simultaneous determination of the mycotoxins citrinin and ochratoxin A in wheat and barley by high-performance liquid chromatography. Lepom P. **J Chromatogr** 1986 Mar 14;355(1):335–9

Detoxification of high tannin sorghum grains. Teeter RG, et al. **Poult Sci** 1986 Jan;65(1):67–71

[Determination of wheat gliadins in food with ELISA] Fritschy F, et al. **Z Lebensm Unters Forsch** 1985 Nov; 181(5):379–85 (Eng. Abstr.) **(Ger)**

[Detection of wheat gliadins in heated food by reversed-phase high-pressure liquid chromatography] Windemann H, et al. **Z Lebensm Unters Forsch** 1986 Jul; 183(1):26–32 (Eng. Abstr.) **(Ger)**

[Determining zearalenone levels in cereals] Czerwiecki L. **Rocz Panstw Zakl Hig** 1985;36(5):373–7 (Eng. Abstr.) **(Pol)**

ENZYMOLOGY

Wheat germ phosphoglycerate mutase: evidence for a metalloenzyme. Smith GC, et al. **Biochem Biophys Res Commun** 1986 Apr 14;136(1):336–40

Mechanistic origin of the kinetic cooperativity of hexokinase type L1 from wheat germ. Pettersson G. **Eur J Biochem** 1986 Jan 2;154(1):167–70

GENETICS

Genetic control of the mitochondrial form of superoxide dismutase in hexaploid wheat. Neuman PR, et al. **Biochem Genet** 1986 Jun;24(5–6):435–46

Elucidation of the B-genome donor to Triticum turgidum by unique- and repeated-sequence DNA hybridizations. Thompson JP, et al. **Biochem Genet** 1986 Feb;24(1–2):39–50

Structure of wheat gamma-gliadin genes. Rafalski JA. **Gene** 1986;43(3):221–9

Nucleotide sequence of a B1 hordein gene and the identification of possible upstream regulatory elements in endosperm storage protein genes from barley, wheat and maize. Forde BG, et al. **Nucleic Acids Res** 1985 Oct 25; 13(20):7327–39

The nucleotide sequence of a HMW glutenin subunit gene located on chromosome 1A of wheat (Triticum aestivum L.). Forde J, et al. **Nucleic Acids Res** 1985 Oct 11; 13(19):6817–32

Preferential homogenization between adjacent and alternate subrepeats in wheat rDNA. Lassner M, et al. **Nucleic Acids Res** 1986 Jul 11;14(13):5499–512

Nucleotide sequence of a gene from chromosome 1D of wheat encoding a HMW-glutenin subunit. Thompson RD, et al. **Nucleic Acids Res** 1985 Oct 11;13(19):6833–46

IMMUNOLOGY

Antigenic reactivity of peptides derived from wheat gluten with sera from patients with coeliac disease. Rawcliffe PM, et al. **Clin Sci** 1985 Jul;69(1):97–104

METABOLISM

Characterization of O2 evolution by a wheat photosystem II reaction center complex isolated by a simplified method: disjunction of secondary acceptor quinone and enhanced Ca2+ demand. Ikeuchi M, et al. **Arch Biochem Biophys** 1986 May 15;247(1):97–107

Em polypeptide and its messenger RNA levels are modulated by abscisic acid during embryogenesis in wheat. Williamson JD, et al. **Eur J Biochem** 1985 Oct 15;152(2):501–7

PARASITOLOGY

Secretion of chitinase by Aphanocladium album, a hyperparasite of wheat rust. Srivastava AK, et al. **Experientia** 1985 Dec 15;41(12):1612–3

ULTRASTRUCTURE

Microtubules and root protophloem ontogeny in wheat. Eleftheriou EP. **J Cell Sci** 1985 Apr;75:165–79

WHEELCHAIRS

Brief or new: a three-dimensional aid for teaching wheelchair maintenance. Dodge S, et al. **Am J Occup Ther** 1986 Apr; 40(4):289–91

Wheelchair cushions for spinal cord-injured individuals. Garber SL. **Am J Occup Ther** 1985 Nov;39(11):722–5

Microprocessor-based weight shift monitors for paraplegic patients. Cumming WT, et al. **Arch Phys Med Rehabil** 1986 Mar;67(3):172–4

Accidental death associated with motorized wheelchair use: a case report. Hays RM, et al. **Arch Phys Med Rehabil** 1985 Oct;66(10):709–10

Inflation pressure effect on performance of air-filled wheelchair cushions. Krouskop TA, et al. **Arch Phys Med Rehabil** 1986 Feb;67(2):126–8

Health maintenance: paraplegic athletes and nonathletes. Stotts KM. **Arch Phys Med Rehabil** 1986 Feb;67(2):109–14

Seating for the disabled—positioning. Vaughan M. **Australas Phys Eng Sci Med** 1986 Jan–Mar;9(1):44–7

Seating for the disabled—techniques. Woodhouse JS. **Australas Phys Eng Sci Med** 1986 Jan–Mar;9(1):38–43

Head support for wheelchair [letter] Grewcock RJ. **Br Dent J** 1986 May 24;160(10):344

The neglected hospital wheelchair [letter] Crewe R. **Br Med J [Clin Res]** 1986 Jan 11;292(6513):141

A model treadmill adaptation for wheelchair ergometry. Claremont AD, et al. **Can J Appl Sport Sci** 1985 Dec; 10(4):178–81

Wheelchair-based mobile measurement of behavior for pressure sore prevention. Grip JC, et al. **Comput Methods Programs Biomed** 1986 Mar;22(1):137–44

Effects of powered mobility on self-initiated behaviors of very young children with locomotor disability. Butler C. **Dev Med Child Neurol** 1986 Jun;28(3):325–32
Arm strength and impulse generation: initiation of wheelchair movement by the physically disabled. Tupling SJ, et al. **Ergonomics** 1986 Feb;29(2):303–11
Experience of a seating clinic. Medhat MA, et al. **Int Orthop** 1985;9(4):279–85
A mobility aid for paraplegic children. Kaye JC, et al. **J Pediatr Orthop** 1985 Nov–Dec;5(6):711–2
Effects of side slope on wheelchair performance. Brubaker CE, et al. **J Rehabil Res Dev** 1986 Apr;23(2):55–8
Wheelchair tire rolling resistance and fatigue. Kauzlarich JJ, et al. **J Rehabil Res Dev** 1985 Jul;22(3):25–41
Lever drive system for wheelchairs. McLaurin CA, et al. **J Rehabil Res Dev** 1986 Apr;23(2):52–4
Automatic transmission for electric wheelchairs. Reswick JB. **J Rehabil Res Dev** 1985 Jul;22(3):42–51
Voice controller for wheelchairs. Miller GE, et al. **Med Biol Eng Comput** 1985 Nov;23(6):597–600
Physical fitness of paraplegics in full wheelchair marathon racing. Asayama K, et al. **Paraplegia** 1985 Oct;23(5):277–87
A comparison of the psychological characteristics of male and female able-bodied and wheelchair athletes. Horvat M, et al. **Paraplegia** 1986 Apr;24(2):115–22
The effects of an arm ergometer training programme on wheelchair subjects. Taylor AW, et al. **Paraplegia** 1986 Apr;24(2):105–14
[Introduction of the first wheelchair-compatible intercity car 16 July 1985 at the Frankfurt am Main main railroad terminal—report] Ott AJ. **Rehabilitation (Stuttg)** 1985 Nov; 24(4):202 **(Ger)**
[A head rest for treating handicapped patients in wheelchairs] Netzle PA. **Schweiz Monatsschr Zahnmed** 1986 Jan; 96(1):317–9 **(Ger)**
[Measuring system of power output of wheelchair locomotion] Fujiie K. **Ann Physiol Anthropol** 1985 Jul; 4(3):253–6 (Eng. Abstr.) **(Jpn)**

STANDARDS

Low anterior counterweights to improve static rear stability of occupied wheelchairs. Loane TD, et al. **Arch Phys Med Rehabil** 1986 Apr;67(4):263–6
The neglected hospital wheelchair. Young JB, et al. **Br Med J [Clin Res]** 1985 Nov 16;291(6506):1388–9
Wheelchair development, standards, progress, and issues: a discussion with Colin McLaurin, Sc.D. [interview] **J Rehabil Res Dev** 1986 Apr;23(2):48–51

WHEEZING see RESPIRATORY SOUNDS

WHIPLASH INJURIES

COMPLICATIONS

Mediastinitis after whiplash injury. Rotstein OD, et al. **Can J Surg** 1986 Jan;29(1):54–6
Bilateral sympathetic dysfunction in post-traumatic headaches. Khurana RK, et al. **Headache** 1986 Apr; 26(4):183–8
Transient global amnesia after whiplash trauma [letter] Hofstad H, et al. **J Neurol Neurosurg Psychiatry** 1985 Sep; 48(9):956–7
Thoracic outlet syndrome in cervical strain injury. Capistrant TD. **Minn Med** 1986 Jan;69(1):13–7
[Late sequelae following injuries of the cervical vertebrae] Irlenbusch U, et al. **Beitr Orthop Traumatol** 1986 Mar; 33(3):132–8 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

The abuse of infants by manual shaking: medical, social and legal issues. Eagan BA, et al. **J Fla Med Assoc** 1985 Jul; 72(7):503–7

ECONOMICS

[Cost of drugs for whiplash caused by traffic accidents (letter)] Bouchard HL, et al. **Can Med Assoc J** 1985 Oct 1;133(7):636–7 **(Fre)**

ETIOLOGY

"Whiplash"-injury of the 2nd cervical ganglion and nerve. Keith WS. **Can J Neurol Sci** 1986 May;13(2):133–7
The whiplash shaken infant syndrome: what has been learned? Dykes LJ. **Child Abuse Negl** 1986;10(2):211–21 (65 ref.)

OCCURRENCE

The influence of seat belt use on road accident injury patterns. Trinca GW. **Aust NZ J Surg** 1986 Jan;56(1):13–7

THERAPY

Early mobilization of acute whiplash injuries. Mealy K, et al. **Br Med J [Clin Res]** 1986 Mar 8;292(6521):656–7

WHIPPLE'S DISEASE see LIPODYSTROPHY, INTESTINAL

WHIRLPOOL BATHS see HYDROTHERAPY

WHISKERS see VIBRISSAE

WHITE HEIFER DISEASE see FREEMARTINISM

WHITE MUSCLE DISEASE see under MUSCULAR DYSTROPHY, ANIMAL

WHITES

see related
CAUCASOID RACE

Dietary intakes of macronutrients among Mexican Americans and Anglo Americans: the San Antonio heart study. Haffner SM, et al. **Am J Clin Nutr** 1985 Dec;42(6):1266–75
National and state trends in use of prenatal care, 1970–83. Ingram DD, et al. **Am J Public Health** 1986 Apr; 76(4):415–23
Racial differentials in the prevalence of stroke. Copiah County, Mississippi. Schoenberg BS, et al. **Arch Neurol** 1986 Jun;43(6):565–8
Anatomical distribution of colonic carcinomas. Interracial differences in a community hospital population. Johnson H Jr, et al. **Cancer** 1986 Aug 15;58(4):997–1000
The sexual abuse of Afro-American and white-American women in childhood. Wyatt GE. **Child Abuse Negl** 1985; 9(4):507–19
Neighborhood revitalization and racial change: the case of Washington, D.C. Lee BA, et al. **Demography** 1985 Nov; 22(4):581–602
Racial concentration and segregation across U.S. counties, 1950–1980. Lichter DT. **Demography** 1985 Nov;22(4):603–9
Impact on interracial comparisons of inappropriate criteria for cardiac enlargement in blacks [letter] Watkins LO. **Hypertension** 1985 Nov–Dec;7(6 Pt 1):1031–3
Incidence of soft-tissue cancers in blacks and whites in New York State. Polednak AP. **Int J Cancer** 1986 Jul 15; 38(1):21–6
Monotherapy with labetalol compared with propranolol. Differential effects by race. Flamenbaum W, et al. **J Clin Hypertens** 1985 Mar;1(1):56–69
A new perspective on the relationships among race, social class, and psychological distress. Kessler RC, et al. **J Health Soc Behav** 1986 Jun;27(2):107–15
The color line and social distance in the genesis of essential hypertension. Thomas JA, et al. **J Natl Med Assoc** 1986 Jun;78(6):532–6
Effects of birth weight and ethnicity on incidence of sudden infant death syndrome. Black L, et al. **J Pediatr** 1986 Feb; 108(2):209–14
Several efforts focus on closing black/white health gap [news] Check WA. **JAMA** 1986 Jun 27;255(24):3341–3
Racial differences in accidental and violent deaths among U.S. Navy personnel. Palinkas LA. **Milit Med** 1985 Nov; 150(11):587–92
AIDS risk-group profiles in whites and members of minority groups [letter] Bakeman R, et al. **N Engl J Med** 1986 Jul 17;315(3):191–2
External causes of death among young white Americans [letter] Greenberg MR, et al. **N Engl J Med** 1985 Dec 5;313(23):1482–3
Black patients—white doctors [letter] **Pediatrics** 1985 Nov; 76(5):857–9
Race differences in selection of cheese color. Scanlon BA. **Percept Mot Skills** 1985 Aug;61(1):314
Patterns of migration propensity for black and white American men. Evidence from a cohort analysis. Pitcher BL, et al. **Res Aging** 1985 Mar;7(1):94–120

PSYCHOLOGY

Coping with the stress of medical problems among black and white elderly. Conway K. **Int J Aging Hum Dev** 1985–86;21(1):39–48
Sociocultural factors in MI recovery: an exploratory study. Ell KO, et al. **Int J Psychiatry Med** 1985–86;15(2):157–75
Differences in psychopathology between black and white schizophrenics. Chu CC, et al. **Int J Soc Psychiatry** 1985 Winter;31(4):252–7
Racial factors and season of birth in schizophrenia: a reinterpretation of Gallagher, McFalls, and Jones. Bradbury TN, et al. **J Abnorm Psychol** 1986 May; 95(2):187–8
Breaking the race barrier. Minrath M. **J Psychosoc Nurs Ment Health Serv** 1985 Aug;23(8):19–20, 22–4
Relationships between ethnicity, conceptions of mental illness, and attitudes associated with seeking psychological help. Hall LE, et al. **Psychol Rep** 1985 Dec;57(3 Pt 1):907–16
Race, heart disease worry and health protective behavior. Ransford HE. **Soc Sci Med** 1986;22(12):1355–62

WHOLE BLOOD COAGULATION TIME see under BLOOD COAGULATION TESTS

WHOLE BODY COUNTING

The U.S. Transuranium Registry report on the 241Am content of a whole body. Part I: Introduction and history of the case. Breitenstein BD, et al. **Health Phys** 1985 Oct; 49(4):565–7
The U.S. Transuranium Registry report on the 241Am content of a whole body. Part III: Gamma-ray measurements. Palmer HE, et al. **Health Phys** 1985 Oct; 49(4):577–86
Complementary role of whole body scan and serum thyroglobulin determination in the follow-up of differentiated thyroid carcinoma. Ronga G, et al. **Ital J Surg Sci** 1986;16(1):11–?
[24-hour whole-body retention of 99mTc-methylene diphosphonate as an indicator of metabolic activity in osseous tissue in osteopathies] Kapitola J, et al. **Cas Lek Cesk** 1986 Jun 27;125(26):815–6 (Eng. Abstr.) **(Cze)**

INSTRUMENTATION

A new method for analyzing high-resolution spectra from whole-body counter in-vivo measurements. Spitz HB, et al. **Health Phys** 1985 Dec;49(6):1085–96
Whole-body counter calibrations using organ sources. Xia YH, et al. **Health Phys** 1986 Jan;50(1):153–8
[Equipments and instruments for use in radiological protection (VI). Characteristics and use of surface and whole body monitors] Nakata K. **Radioisotopes** 1986 Apr; 35(4):224–33 **(Jpn)**

WHOLE BODY IRRADIATION

Influence of intensity of bone marrow erythropoietic activity on radiosensitivity of mice. I. Effects of carbon monoxide induced alterations of erythropoietic activity on regeneration of bone marrow after sublethal whole body irradiation. Kwiek S Jr. **Acta Pol Pharm** 1985;42(4):401–6
Comparison of 32P therapy and sequential hemibody irradiation (HBI) for bony metastases as methods of whole body irradiation. Aziz H, et al. **Am J Clin Oncol** 1986 Jun; 9(3):264–8
Induction of rat liver O6-alkylguanine-DNA alkyltransferase following whole body X-irradiation. Schmerold I, et al. **Cancer Res** 1986 Jan;46(1):245–9
Trial of high-dose cytarabine, cyclophosphamide, total-body irradiation, and autologous marrow transplantation for refractory lymphoma. Armitage JO, et al. **Cancer Treat Rep** 1986 Jul;70(7):871–5
Salivary amylase and pancreatic enzymes in serum after total body irradiation. Junglee D, et al. **Clin Chem** 1986 Apr; 32(4):609–10
Increased incidence of lung metastases of sarcoma 276 bearing XVII/Berlin mice after total body irradiation and BCG. Arnold W, et al. **Clin Exp Metastasis** 1983 Apr–Jun; 1(2):129–33
Cytosine arabinoside, cyclophosphamide and total body irradiation conditioning regimens for bone marrow transplantation. Mwangemi PM, et al. **East Afr Med J** 1985 May;62(5):309–14
Risk analysis of multiple environmental factors: radiation, zinc, cadmium, and calcium. Matsubara J, et al. **Environ Res** 1986 Aug;40(2):525–30
High-dose melphalan and total body irradiation with bone marrow transplantation for refractory malignancies. Spitzer G, et al. **Eur J Cancer Clin Oncol** 1986 Jun;22(6):677–84
Recovery of immune functions in dogs after total body irradiation and transplantation of autologous blood or bone marrow cells. Prümmer O, et al. **Exp Hematol** 1985 Oct; 13(9):891–8
Carcinogenesis and ageing—VII. Carcinogenic effect of single total-body X-ray irradiation in young and old female rats. Anisimov VN, et al. **Exp Pathol** 1986;29(3):165–71
Effect of whole body irradiation on urinary 5-HT metabolites under the influence of newly synthesized chemical radioprotector. Thakur DK. **Indian J Med Sci** 1985 Oct; 39(10):236–9
Effect of irradiation on vascularization of corneas grafted onto chorioallantoic membranes. Glatt HJ, et al. **Invest Ophthalmol Vis Sci** 1985 Nov;26(11):1533–42
Treatment of NZB/NZW mice with total lymphoid irradiation: long-lasting suppression of disease without generalized immune suppression. Kotzin BL, et al. **J Immunol** 1986 May 1;136(9):3259–65
Differential recovery of antibody production potential after sublethal, whole-body irradiation of mice. Brooks BO, et al. **J Leukocyte Biol** 1986 Oct;40(4):335–45
Total body irradiation and autologous bone-marrow infusion for relapsed acute leukaemia [letter] Kelly SJ, et al. **Lancet** 1986 Apr 5;1(8484):799
Marrow transplantation for leukemia following fractionated total body irradiation. A comparative trial of methotrexate and cyclosporine. Irle C, et al. **Leuk Res** 1985;9(10):1255–61
Bone marrow transplantation in accelerated chronic granulocytic leukaemia using dibromomannitol-preconditioning instead of total-body irradiation. Kelemen E, et al. **Leuk Res** 1985;9(8):1009–15
Quantitative study of marrow stromal precursor cells in sublethal X-irradiated mice. Katsuno M, et al. **Nippon Ketsueki Gakkai Zasshi** 1985 Jul;48(4):928–34
The protective value of piroxicam on the enhanced inflammatory response after whole body irradiation. el-Ghazaly M, et al. **Pharmacol Res Commun** 1986 Jun; 18(6):563–80
Spontaneous cell-mediated cytolysis by peripheral blood cells obtained from whole-body chronically irradiated beagle dogs. Dyck JA, et al. **Radiat Res** 1986 Apr; 106(1):31–40
Effect of whole-body gamma radiation on tissue sulphydryl contents in experimental rats. Sarkar SR, et al. **Radiobiol Radiother (Berl)** 1985;26(3):367–71
Average fetal depth in utero: data for estimation of fetal

absorbed radiation dose. Ragozzino MW, et al. **Radiology** 1986 Feb;158(2):513–5

Effect of dose-rate on total body irradiation: lethality and pathologic findings. Travis EL, et al. **Radiother Oncol** 1985 Dec;4(4):341–51

Norethindrone disposition following x-ionizing radiation in rats. Christensen JM, et al. **Res Commun Chem Pathol Pharmacol** 1985 Dec; 50(3):395–406

Problems of total body irradiation. Proceedings of a seminar and wo- shop on physical problems of TBI. Essen, Germany, September 19th and 20th, 1985. **Strahlenther Onkol** 1986 Apr;162(4):211–78

The incidence of interstitial pneumonitis: comparison of total body irradiation schedules for allogenic bone marrow transplantation. Bamberg M, et al. **Strahlenther Onkol** 1986 Apr;162(4):218–22

Inhibition of reduction in the testicular weight by WR–2721 in relation to the body weight after whole-body gamma irradiation. Bhartiya HC, et al. **Strahlenther Onkol** 1986 Jan;162(1):68–70

Description of the TBI procedure for bone-marrow transplantation at the University of Tübingen. Christ G. **Strahlenther Onkol** 1986 Apr;162(4):254–5

Influence of lung tissue on the dose distribution of high energy photon beams. Glaeser L. **Strahlenther Onkol** 1986 Apr;162(4):266–70

Total body irradiation for allogeneic bone marrow transplantation in acute leukemia: a co-operative study from the TBI Subcommittee in Japan. Inoue T, et al. **Strahlenther Onkol** 1986 Feb;162(2):100–4

General and specific aspects of experimental dose measurement in total body irradiation (TBI). Jensen JM, et al. **Strahlenther Onkol** 1986 Apr;162(4):250–3

Dosimetric problems associated with total body irradiation. Kuphal K. **Strahlenther Onkol** 1986 Apr;162(4):260–5

Total body irradiations at the University Hospital of Freiburg. Kuphal K, et al. **Strahlenther Onkol** 1986 Apr; 162(4):243–5

The effect of total body irradiation on the occurrence of chemically induced tumors in mice of inbred strains with different activabilities of the AHH system. Pospíšil J, et al. **Strahlenther Onkol** 1986 Mar;162(3):191–5

Physical aspects and problems of total body irradiation. Quast U. **Strahlenther Onkol** 1986 Apr;162(4):212–3

Physical problems of total body irradiation. Quast U. **Strahlenther Onkol** 1986 Apr;162(4):233–6

Total body irradiation in Essen—dosimetry and physical treatment planning. Quast U, et al. **Strahlenther Onkol** 1986 Apr;162(4):240–2

Physical aspects of total body irradiation in Basel. Roth J. **Strahlenther Onkol** 1986 Apr;162(4):237–9

The TBI method preceding BMT at Innsbruck University Clinic for radiation therapy. Url M. **Strahlenther Onkol** 1986 Apr;162(4):248–9

Some radiobiological aspects of total body irradiation (TBI). van Beuningen D. **Strahlenther Onkol** 1986 Apr; 162(4):223–5

Autologous bone marrow transplantation after supralethal dose of total body irradiation in a case of mycosis fungoides. Chen YC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Mar;85(3):304–14

The effects of donor pretreatment on the transmission of murine cytomegalovirus with cardiac transplants and explants. Wilson EJ, et al. **Transplantation** 1986 Jun; 41(6):781–2

[In vivo dosimetry in whole body irradiation] Fauser L, et al. **ROFO** 1985 Dec;143(6):701–4 (Eng. Abstr.) **(Ger)**

[Bone marrow transplantation with preparation involving total body irradiation of leukemia and malignant lymphoma] Inoue T, et al. **Gan To Kagaku Ryoho** 1986 Apr;13(4 Pt 1):911–21 (Eng. Abstr.) **(Jpn)**

[The estimation of a midline dose to the body by transit dose measurement; a simple method of dosimetry in total body irradiation] Saitoh Y, et al. **Rinsho Hoshasen** 1986 Mar; 31(3):449–52 **(Jpn)**

[Chemiluminescence of whole blood in the early stages after experimental whole body irradiation] Chumakov VV. **Med Radiol (Mosk)** 1986 Apr;31(4):89–90 **(Rus)**

[Systemic radiation therapy as an alternative to tumor chemotherapy] Eichhorn HJ. **Med Radiol (Mosk)** 1985 Oct; 30(10):38–9 **(Rus)**

[Tolerance to physical exertion of patients with lymphoproliferative disorders following whole-body therapeutic gamma-irradiation] Kharitonov VV, et al. **Med Radiol (Mosk)** 1986 Jun;31(6):18–20 **(Rus)**

[Changes in the mucous membrane of the trachea and bronchi in dogs based on bronchoscopic data for the combined action of 239Pu and gamma-radiation as compared with the individual actions] Fetisova LI, et al. **Radiobiologiia** 1985 Nov–Dec;25(6):825–8 (Eng. Abstr.) **(Rus)**

[Estimation of the contribution of the dose rate to the effect of whole body uniform irradiation with 1000 MeV protons] Konnov BA, et al. **Radiobiologiia** 1986 Jul–Aug;26(4):565–7 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Systemic lupus erythematosus following total body irradiation for malignant lymphoma. Spinozzi F, et al. **Allergol Immunopathol (Madr)** 1986 May–Jun;14(3):241–4

Protection of mouse chromosomes against whole-body gamma irradiation by SH-compounds. Gupta R, et al. **Br J Radiol** 1986 Jun;59(702):625–7

Intestinal and hepatic complications of human bone marrow transplantation. Part I. McDonald GB, et al. **Gastroenterology** 1986 Feb;90(2):460–77 (288 ref.)

The influence of prior total body irradiation on the tissue distribution of mouse lymphoma/leukemia. Cobb LM, et al. **Int J Radiat Oncol Biol Phys** 1986 Jan;12(1):83–8

Repair in the mouse lung during low dose-rate irradiation. Down JD, et al. **Radiother Oncol** 1986 May;6(1):29–42

Total body irradiation: the lung as critical organ. Molls M, et al. **Strahlenther Onkol** 1986 Apr;162(4):226–32

Radiation nephritis following total-body irradiation and cyclophosphamide in preparation for bone marrow transplantation. Bergstein J, et al. **Transplantation** 1986 Jan; 41(1):63–6

[Whole body irradiation in conditioning for bone marrow transplantation. Experiences with 35 cases of leukemia] Prosperini G, et al. **Radiol Med (Torino)** 1985 Apr; 71(4):243–7 (Eng. Abstr.) **(Ita)**

[Increase of hepatic metallothionein content induced by whole body irradiation] Yamamoto H. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Jan 25; 46(1):66–71 (Eng. Abstr.) **(Jpn)**

METHODS

Dose distribution in total skin electron beam irradiation using the six-field technique. Niroomand-Rad A, et al. **Int J Radiat Oncol Biol Phys** 1986 Mar;12(3):415–9

Biologic and anatomic problems of lung shielding in whole-body irradiation. Dutreix J, et al. **JNCI** 1986 Jun; 76(6):1333–5

Technique and dosimetry of total body irradiations at Ulm. Blank P, et al. **Strahlenther Onkol** 1986 Apr;162(4):256–8

Hyperfractionated total body irradiation as part of autologous bone marrow transplantation. Fehrentz D, et al. **Strahlenther Onkol** 1986 Apr;162(4):246–7

A suggestion to change the TBI protocol of the IBMTR. Kallinger W, et al. **Strahlenther Onkol** 1986 Apr;162(4):259

Problems of dose modification in total body irradiation. Quast U. **Strahlenther Onkol** 1986 Apr;162(4):271–5

Physical treatment planning of total body irradiation. Roth J. **Strahlenther Onkol** 1986 Apr;162(4):276–8

[Total-body irradiation and bone marrow transplantation (2)] Hoshi J, et al. **Rinsho Hoshasen** 1985 Jun;30(6):729–30 **(Jpn)**

MORTALITY

Interleukin 1 is a radioprotector. Neta R, et al. **J Immunol** 1986 Apr 1;136(7):2483–5

VETERINARY

Autologous marrow transplantation as consolidation therapy for canine lymphoma: efficacy and toxicity of various regimens of total body irradiation. Deeg HJ, et al. **Am J Vet Res** 1985 Sep;46(9):2016–8

WHOOPING COUGH

see related

PERTUSSIS VACCINE

[Whooping cough] Collado Otero F. **An Esp Pediatr** 1985 Oct 31;23(5):354–6 **(Spa)**

COMPLICATIONS

Role of insulin in the hypoglycaemic effect of sublethal Bordetella pertussis infection in mice. Furman BL, et al. **Br J Exp Pathol** 1986 Apr;67(2):305–12

Long term respiratory sequelae of whooping cough in a nationally representative sample. Britten N, et al. **Br Med J [Clin Res]** 1986 Feb 15;292(6518):441–4

Pertussis complicated by the syndrome of inappropriate antidiuretic hormone secretion. Pathophysiology and management. Matherne P, et al. **Clin Pediatr (Phila)** 1986 Jan;25(1):46–8

Pertussis vaccine and whooping cough as risk factors in acute neurological illness and death in young children. Miller D, et al. **Dev Biol Stand** 1985;61:389–94

Reading attainment and physical development after whooping cough. Johnston ID, et al. **J Epidemiol Community Health** 1985 Dec;39(4):314–9

Serious consequences of whooping cough in asthmatic child [letter] Thomson AH, et al. **J R Soc Med** 1986 Jan;79(1):59

Long-term sequelae of whooping cough [editorial] Williams WO. **J R Soc Med** 1985 Sep;78(9):707–9

Prolonged expiratory apnoea in children [letter] **Lancet** 1985 Oct 12;2(8459):835

[Transient paralysis of the vagus and the hypoglossal nerves in pertussis in a 2 1/2-month-old infant] Cataldo F, et al. **Pediatria (Napoli)** 1983 Oct–Dec;91(4):429–34 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Recognising whooping cough [editorial] Marcovitch H. **Br Med J [Clin Res]** 1986 Feb 8;292(6517):360–1

Recognising whooping cough [letter] Preston NW. **Br Med J [Clin Res]** 1986 Mar 29;292(6524):901–2

Bordetella adenylate cyclase: host toxicity and diagnostic utility. Confer DL, et al. **Dev Biol Stand** 1985;61:3–10

Serological diagnosis of whooping cough. Finger H, et al. **Dev Biol Stand** 1985;61:331–5

Improved serodiagnosis of whooping cough caused by Bordetella pertussis by determination of IgG anti-LPF antibody levels. Nagel J, et al. **Dev Biol Stand** 1985; 61:325–30

Pertussis and pertussis-like syndrome: a review of the issues. Smith P. **J Am Osteopath Assoc** 1985 Nov;85(11):754–6

Bordetella pertussis in New York State 1972–1982. Shayegani M, et al. **NY State J Med** 1985 Mar;86(3):129–32

[Fast diagnosis of whooping cough in the infant. Contribution of the immunofluorescence technic] Larchet M, et al. **Arch Fr Pediatr** 1986 Mar;43(3):175–8 (Eng. Abstr.) **(Fre)**

[Use of a lyophilized preparation of Bordetella pertussis endotoxin-coated sheep erythrocytes in the serological diagnosis of whooping cough] Kuklińska D. **Med Dosw Mikrobiol** 1986;38(1):1–8 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Severe neonatal pertussis treated by salbutamol. Tam AY, et al. **Arch Dis Child** 1986 Jun;61(6):600–2

Salbutamol and pertussis [letter] Brunskill A, et al. **Lancet** 1986 Aug 2;2(8501):282–3

Pertussis: current status of prevention and treatment. Bass JW. **Pediatr Infect Dis** 1985 Nov–Dec;4(6):614–9

Erythromycin for treatment and prevention of pertussis. Bass JW. **Pediatr Infect Dis** 1986 Jan–Feb;5(1):154–7

Salbutamol vs. placebo for treatment of pertussis. Krantz I, et al. **Pediatr Infect Dis** 1985 Nov–Dec;4(6):638–40

ETIOLOGY

Genetic studies of the molecular basis of whooping cough. Weiss AA, et al. **Dev Biol Stand** 1985;61:11–9

[Whooping cough—a toxicosis?] Finger H, et al. **Dtsch Med Wochenschr** 1986 Jun 13;111(24):950–4 (45 ref.) **(Ger)**

HISTORY

Whooping cough [letter] Radbill SX. **Am J Dis Child** 1986 Jun;140(6):506–7

IMMUNOLOGY

Fractional doses of DPT vaccine [letter] Cameron J. **Can Med Assoc J** 1986 Jan 1;134(1):18–9

Pertussis immunization of infants using a new combined DTP-polio vaccine. Drucker J, et al. **Dev Biol Stand** 1985; 61:309–13

Depression of delayed hypersensitivity responses in patients with pertussis. Hewlett EL, et al. **Dev Biol Stand** 1985; 61:241–7

A rapid and simple method for evaluation of serum opsonic capacity against Bordetella pertussis by chemiluminescence. Lilius EM, et al. **Dev Biol Stand** 1985; 61:373–7

Class-specific antibody response to lymphocytosis promoting factor (LPF) and fimbriae (F) in pertussis. Viljanen MK, et al. **Dev Biol Stand** 1985;61:337–40

Antibody responses after vaccination and disease against leukocytosis promoting factor, filamentous hemagglutinin, lipopolysaccharide and a protein binding to complement-fixing antibodies induced during whooping cough. Winsnes R, et al. **Dev Biol Stand** 1985;61:353–65

[Immunologic findings in oral pertussis vaccination] Kurz R, et al. **Padiatr Padol** 1986;21(1):53–9 (Eng. Abstr.) **(Ger)**

[Antipertussis immunity studied by immunoenzyme analysis] Selezneva TS, et al. **Zh Mikrobiol Epidemiol Immunobiol** .1986 Jul;(7):86–8 (Eng. Abstr.) **(Rus)**

[Effect of blastolysin on the development of specific immunity to whooping cough] Shepeleva IB, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Jan;(1):62–5 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Comparison of blood-free medium (cyclodextrin solid medium) with Bordet-Gengou medium for clinical isolation of Bordetella pertussis. Aoyama T, et al. **J Clin Microbiol** 1986 Jun;23(6):1046–8

Use of implantable intraperitoneal diffusion chambers to study Bordetella pertussis pathogenesis: growth and toxin production in vivo. Coleman KD, et al. **J Infect Dis** 1986 Jul;154(1):33–9

OCCURRENCE

The pertussis epidemic in Oklahoma. A warning for the future [editorial] Cherry JD. **Am J Dis Child** 1986 May; 140(5):417–8

Pertussis epidemic in Oklahoma. Difficulties in preventing transmission. Nkowane BM, et al. **Am J Dis Child** 1986 May;140(5):433–7

Evaluation of the state surveillance system using hospital discharge diagnoses, 1982–1983. Vogt RL, et al. **Am J Epidemiol** 1986 Jan;123(1):197–8

Communicable disease report. January to March 1985. **Community Med** 1985 Aug;7(3):211–6

Seasonal influences on pertussis. Fine PE, et al. **Int J Epidemiol** 1986 Jun;15(2):237–47

Whooping cough in West Germany [letter] Hoppe JE, et al. **Lancet** 1985 Oct 5;2(8458):776

Pertussis and the wolf [editorial] Barrie H. **Practitioner** 1986

May;230(1415):391–3
[Whooping cough—1984] Adonajlo A. **Przegl Epidemiol** 1986;40(1):23–6 (Eng. Abstr.) (Pol)
[Whooping cough—1983] Adonajlo A. **Przegl Epidemiol** 1985;39(1):45–8 (Eng. Abstr.) (Pol)
[Whooping cough morbidity and inoculation status] Sigaeva LA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Mar;(3):43–8 (Eng. Abstr.) (Rus)
[Epidemiologic development of whooping cough and tetanus with regard to programs of childhood immunization] Ruiz Peláez ML, et al. **Rev Sanid Hig Publica (Madr)** 1984 Nov–Dec;58(11–12):1133–48 (Eng. Abstr.) (Spa)

PHYSIOPATHOLOGY

Effect of whooping cough in infancy on subsequent lung function and bronchial reactivity. Johnston ID, et al. **Am Rev Respir Dis** 1986 Aug;134(2):270–5
[Whooping cough] Collado Otero F. **An Esp Pediatr** 1985 Oct 31;23(5):354–6 (Spa)

PREVENTION & CONTROL

Diphtheria, tetanus, and pertussis: guidelines for vaccine prophylaxis and other preventive measures. Recommendation of the Immunization Practices Advisory Committee. Centers for Disease Control, Department of Health and Human Services. **Ann Intern Med** 1985 Dec; 103(6 (Pt 1)):896–905
Risk and pertussis vaccine [letter] Ross E, et al. **Arch Dis Child** 1986 Jan;61(1):98–9
Failure to vaccinate against whooping cough. Stevens D, et al. **Arch Dis Child** 1986 Apr;61(4):382–7
No respiratory sequelae from whooping cough [letter] Davies DP. **Br Med J [Clin Res]** 1985 Sep 21;291(6498):826–7
Urgent need for change in recommendations on pertussis immunisation [letter] Nicoll A. **Br Med J [Clin Res]** 1986 Mar 15;292(6522):760
Pertussis: epidemiology and control. Muller AS, et al. **Bull WHO** 1986;64(2):321–31
Proceedings of the Fourth International Symposium on Pertussis. Geneva, Switzerland, 25–27 September 1984. To the memory of Frank T. Perkins. **Dev Biol Stand** 1985; 61:1–594
Clinical and serological reactions after immunization of children in Ghana, West Africa, with the Japanese acellular pertussis vaccine. Biritwum RB, et al. **Dev Biol Stand** 1985; 61:539–43
Pertussis and pertussis vaccine: further analysis of benefits, risks and costs. Hinman AR, et al. **Dev Biol Stand** 1985; 61:429–37
Clinical efficacy of the Japanese acellular pertussis vaccine after intrafamiliar exposure to pertussis patients. Isomura S, et al. **Dev Biol Stand** 1985;61:531–7
Results with a new DTP vaccine in Japan. Kimura M, et al. **Dev Biol Stand** 1985;61:545–61
Protection against intranasal infection of mice with Bordetella pertussis. Robinson A, et al. **Dev Biol Stand** 1985;61:165–72
Protective antigens of Bordetella pertussis mou -protection test against intracerebral and aerosol challenge of B. pertussis. Sato H, et al. **Dev Biol Stand** 1985;61:461–7
Anti-pertussis toxin IgG and anti-filamentous hemagglutinin IgG production in children immunized with pertussis acellular vaccine and comparison of these titers with the sera of pertussis convalescent children. Sato Y, et al. **Dev Biol Stand** 1985;61:367–72
Whooping cough and pertussis vaccine: a comparison of risks and benefits in Britain during the period 1968–83. Stewart GT. **Dev Biol Stand** 1985;61:395–405
A modified schedule for routine pertussis immunization. Swartz TA, et al. **Dev Biol Stand** 1985;61:289–96
Routine pertussis immunization. True BL, et al. **Drug Intell Clin Pharm** 1985 Oct;19(10):729–31
Efficacy of acellular pertussis vaccine [letter] Patriarca PA, et al. **J Pediatr** 1986 Apr;108(4):632–3
Pertussis vaccination [letter] **Med J Aust** 1986 Jun 23; 144(13):726
Pertussis vaccination [letter] Keighran AG. **Med J Aust** 1986 Apr 14;144(8):445
Pertussis immunization. Frenkel LD. **Pediatr Ann** 1986 Jun; 15(6):452–4 (7 ref.)
Pertussis: current status of prevention and treatment. Bass JW. **Pediatr Infect Dis** 1985 Nov–Dec;4(6):614–9
Prevention of pertussis—are we failing? Brunell PA. **Pediatrics** 1985 Oct;76(4):627–9
Immunisation against diphtheria, tetanus, pertussis and polio. Ross EM. **Practitioner** 1985 Sep;229(1407):795–9
Whooping cough in Wear Valley 1983 and 1984: a case control study. Pugh EJ, et al. **Public Health** 1986 Jan; 100(1):11–4
Pertussis and the pertussis vaccine. McKercher SW. **SD J Med** 1986 Jan;39(1):5–11
Recent developments in childhood immunizations. Brunell PA. **Tex Med** 1986 Mar;82(3):21–3
[The benefit of immunization against whooping cough] Bijkerk H. **Ned Tijdschr Geneeskd** 1986 Jan 4;130(1):41–2 (Dut)
[The benefit of immunization against whooping cough (letter)] Braam WJ. **Ned Tijdschr Geneeskd** 1986 Feb 15; 130(7):324 (Dut)
[Sequelae of vaccination following preventive pertussis vaccination in West Germany (1970 to 1978)] Ehrengut W. **Off Gesundheitswes** 1986 Mar;48(3):123–6 (Eng. Abstr.) (Ger)
[Pertussis vaccination—what is the best protection?] Closs O. **Nord Med** 1985;100(8–9):214–6 (Eng. Abstr.) (Nor)
[Epidemiological and immunological criteria of the effectiveness of immunization with adsorbed DPT vaccine by the old and new schedules] Sokhin AA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Dec;(12):45–8 (Eng. Abstr.) (Rus)

TRANSMISSION

The carrier state: Bordetella pertussis. Lambert HP. **J Antimicrob Chemother** 1986 Jul;18 Suppl A:13–6
Perinatal pertussis. McGregor J, et al. **Obstet Gynecol** 1986 Oct;68(4):582–6
The carrier state in pertussis. Krantz I, et al. **Scand J Infect Dis** 1986;18(2):121–3

WIDOW see **SINGLE PERSON**

WIDOWER see **SINGLE PERSON**

WIFE ABUSE see **SPOUSE ABUSE**

WILL see **VOLITION**

WILLIS' CIRCLE see **CIRCLE OF WILLIS**

WILLS

Living wills. Do nurses and physicians have them? Anderson GC, et al. **Am J Nurs** 1986 Mar;86(3):271–5
Living wills—assuring patients' decision-making rights. Abrams FR. **AORN J** 1985 Nov;42(5):783–5
The living will and the directive to provide maximum care. The scope of autonomy. Haber JG. **Chest** 1986 Sep; 90(3):442–4
Value of the living will. Raffin TA. **Chest** 1986 Sep; 90(3):444–6
The living will. Rosner F. **Chest** 1986 Sep;90(3):441–2
Living wills and other advance directives. Lazaroff AE, et al. **Clin Geriatr Med** 1986 Aug;2(3):521–34
Connecticut's living will statute. Healey JM. **Conn Med** 1985 Sep;49(9):623
Withholding and withdrawing artificial feeding: the role of the living will. Healey JM. **Conn Med** 1985 Nov;49(11):765
Implementing Connecticut's living will legislation: the promise and the problems. Healey JM. **Conn Med** 1985 Oct;49(10):699
The right to die and the erosion of patient rights. Heintz LL. **Hawaii Med J** 1986 Apr;45(4):103–4, 106–7, 114
The living will. A matter of life and death. Allen LE. **Indiana Med** 1986 Jan;79(1):40–2
Life-sustaining procedures act gives Iowa the 'living will'. Luchtel K. **Iowa Med** 1985 Sep;75(9):391–4
Bequests for animals. Hannah HW. **J Am Vet Med Assoc** 1986 Jun 1;188(11):1234, 1238
"Do not resuscitate" orders. Ensuring the patient's participation. Stephens RL. **JAMA** 1986 Jan 10; 255(2):240–1
Estate planning for the unique assets of a physician. Budras JL. **Ohio State Med J** 1985 Oct;81(10):736–9
You probably need more than a will. Wade RA, et al. **Pa Med** 1986 May;89(5):56–8
Developing issues in medical decision making: the durable power of attorney and institutional ethics committees. Doudera AE. **Primary Care** 1986 Jun;13(2):315–26
The organ donor card in Alberta is not a will. Bowker W. **Transplant Proc** 1985 Dec;17(6 Suppl 4):71

WILMS' TUMOR see **NEPHROBLASTOMA**

WILSON'S DISEASE see **HEPATOLENTICULAR DEGENERATION**

WIND see under **AIR MOVEMENTS**

WINE

The effect of white wine upon pulmonary function of asthmatic subjects. Halpern GM, et al. **Ann Allergy** 1985 Nov;55(5):686–90
Physical-chemical treatments applied to wine-distillery waste. Sales D, et al. **Bull Environ Contam Toxicol** 1986 Sep;37(3):407–14
Lead poisoning from wine. Castaldi G, et al. **Haematologica (Pavia)** 1985 Sep–Oct;70(5):459–60
[Effect of Chinese materia medica after the processing with wine] Zeng DA. **Chung Yao Tung Pao** 1985 Mar; 10(3):19–20 (Chi)
[A peculiar aspect of ocular traumatology in Champagne] Segal A, et al. **Bull Soc Ophtalmol Fr** 1984 Oct; 84(10):1159–61 (Eng. Abstr.) (Fre)

ADVERSE EFFECTS

Hepatocellular carcinoma. Relationship to wine and pork consumption. Nanji AA, et al. **Cancer** 1985 Dec 1; 56(11):2711–2
Discussion of "Fatal malignant hyperthermia as a result of ingestion of tranylcypromine (Parnate) combined with white wine and cheese" [letter] Reid WH. **J Forensic Sci** 1986 Jan;31(1):8–10
Cheese, wine, and isoniazid [letter] **Lancet** 1985 Nov 9; 2(8463):1074
[Diethylene glycol in wine] Sangster B. **Ned Tijdschr Geneeskd** 1985 Aug 3;129(31):1457–9 (Dut)
[3 cases of poisoning caused by wine contaminated with lead] Molinini R, et al. **G Ital Med Lav** 1985 Mar–May; 7(2–3):101–5 (Eng. Abstr.) (Ita)
[Chronic lead poisoning due to excessive wine drinking (letter)] Morales Coca C, et al. **Med Clin (Barc)** 1985 Dec 7;85(19):815–6 (Spa)
[Calcium carbimide together with light wine as the cause of heart infarction] Beermann B, et al. **Lakartidningen** 1986 Apr 16;83(16):1480 (Swe)
[He ended his fasting with wine and paracetamol. The patient's liver and kidney were damaged] Frisinette-Fich C, et al. **Lakartidningen** 1986 Aug 20;83(34):2757–8 (Swe)

ANALYSIS

Risks of ethylene glycol and ethanol [letter] Salazar A. **Am Ind Hyg Assoc J** 1986 Mar;47(3):A162
Determination of traces of zinc in biological materials, wine, and alloys by fluorometry. Cano Pavón JM, et al. **Anal Chem** 1986 Jun;58(7):1449–51
Spectrophotometric determination of iron in wines, foods, and minerals with 5,5-dimethyl-1,2,3-cyclohexanetrione 1,2-dioxime 3-thiosemicarbazone. Salinas F, et al. **Anal Chem** 1986 Apr;58(4):824–7
Determination of ammonia in wine and milk with an ammonia gas-sensing probe. Bernal JL, et al. **Analyst** 1986 Jun; 111(6):631–4
Determination of copper in wine by potentiometric-stripping analysis. McKinnon A, et al. **Analyst** 1986 May; 111(5):589–91
Occurrence and properties of bacteriophages of Leuconostoc oenos in Australian wines. Davis C, et al. **Appl Environ Microbiol** 1985 Oct;50(4):872–6
N-nitrosamines and Nigerian habitual drinks, and cancer. Maduagwu EN, et al. **Carcinogenesis** 1986 Jan;7(1):149–51
Enzymatic-ultraviolet determination of L-citric acid in wine: collaborative study. Henniger G, et al. **J Assoc Off Anal Chem** 1985 Sep–Oct;68(5):1024–7
Enzymatic-ultraviolet determination of glucose and fructose in wine: collaborative study. Henniger G, et al. **J Assoc Off Anal Chem** 1985 Sep–Oct;68(5):1021–4
Determination of sulfur dioxide in grapes and wines. Ough CS. **J Assoc Off Anal Chem** 1986 Jan–Feb;69(1):5–7
Determination of diethylene glycol in wine. Rapid purification with a Carbopack B cartridge and quantitation by gas chromatography. Caccamo F, et al. **J Chromatogr** 1986 Feb 28;354:478–81
Isolation and identification of rutin as the major mutagen of red wine. Yu CL, et al. **Mutat Res** 1986 Jun; 170(3):103–13
Specific detection and determination of azide in wine. Battaglia R, et al. **Z Lebensm Unters Forsch** 1986 Jun; 182(6):501–2
Mineral contents of some southern Italian wines. II. Determination of Li, Na, Mg, K, Ca, Co, As, Rb, Sr, Ag, Sb, Ba. Interesse FS, et al. **Z Lebensm Unters Forsch** 1985 Dec;181(6):470–4
[Congener profile and ethanol concentration of mulled wine] Schütz H, et al. **Blutalkohol** 1986 May;23(3):203–7 (Eng. Abstr.) (Ger)
[13C NMR spectroscopic determination of diethyleneglycol in wine] Rapp A, et al. **Z Lebensm Unters Forsch** 1986 May;182(5):419–21 (Eng. Abstr.) (Ger)
[Determination of mono- and diethylene glycol in wine by two-dimeasional gas chromatography] Rapp A, et al. **Z Lebensm Unters Forsch** 1986 Jun;182(6):498–500 (Eng. Abstr.) (Ger)
[Gas chromatographic determination of diethylene glycol in wine, grape juice and grape-juice concentrates] Werkhoff P, et al. **Z Lebensm Unters Forsch** 1986 Apr;182(4):298–302 (Eng. Abstr.) (Ger)
[Hygienic evaluation of food products with regard to the levels of harmful metals. II. Meat and dairy products, confectioneries and wines] Zawadzka T, et al. **Rocz Panstw Zakl Hig** 1985;36(6):438–46 (Eng. Abstr.) (Pol)

POISONING

[Medical sequelae of the contamination of wine with diethylene glycol (letter)] van der Linden-Cremers PM, et al. **Ned Tijdschr Geneeskd** 1985 Sep 28;129(39):1890–1 (Dut)
[An episode of extraoccupational lead poisoning] Flore C, et al. **G Ital Med Lav** 1984 Sep–Nov;6(5–6):221–3 (Eng. Abstr.) (Ita)

SUPPLY & DISTRIBUTION

The impact of increased availability of wine in grocery stores on consumption: four case histories. Macdonald S. **Br J Addict** 1986 Jun;81(3):381–7
Adult consumption of alcohol in Victoria, 1967–83. Ross J. **Community Health Stud** 1986;10(1):47–53

WING

ABNORMALITIES

Temperature-dependent expression of the apterous phenotype in Drosophila melanogaster. Stevens ME, et al. **Genetics** 1986 Feb;112(2):217–28

BLOOD SUPPLY

A mathematical representation of the microvascular network in the bat's wing. Chen II, et al. **Microcire Endothelium Lymphatics** 1984 Feb;1(1):57–70

EMBRYOLOGY

Vasculogenesis and chondrogenesis in the chick wing bud. Fraser BA. **Acta Anat (Basel)** 1986;125(2):142–4

Aspects of vascular differentiation in the developing chick wing. Wilson DJ, et al. **Acta Histochem [Suppl] (Jena)** 1986; 32:151–7

Localized vascular regression during limb morphogenesis in the chicken embryo. I. Spatial and temporal changes in the vascular pattern. Feinberg RN, et al. **Anat Rec** 1986 Apr;214(4):405–9

Localized vascular regression during limb morphogenesis in the chicken embryo: II. Morphological changes in the vasculature. Latker CH, et al. **Anat Rec** 1986 Apr; 214(4):410–7, 392–3

Development of the apical ectodermal ridge in the chick leg bud and a comparison with the wing bud. Todt WL, et al. **Anat Rec** 1986 Jul;215(3):288–304

Axonal polarity in Drosophila wings with mutant cuticular polarity patterns. Schubiger M, et al. **Dev Biol** 1986 Feb; 113(2):461–6

Disruption of positional fields in apterous imaginal discs of Drosophila. Stevens ME, et al. **Dev Biol** 1986 Sep; 117(1):326–30

The independence of myogenesis and chondrogenesis in micromass cultures of chick wing buds. Swalla BJ, et al. **Dev Biol** 1986 Jul;116(1):31–8

Glycosaminoglycans and proteoglycans synthesized by rat limb buds during prechondrogenic and chondrogenic stages. Matsui F, et al. **Differentiation** 1986;31(1):29–34

Studies on the mechanism of retinoid-induced pattern duplications in the early chick limb bud: temporal and spatial aspects. Eichele G, et al. **J Cell Biol** 1985 Nov;101(5 Pt 1):1913–20

The growth of muscle nerves in relation to the formation of primary myotubes in the developing chick forelimb. Noakes PG, et al. **J Comp Neurol** 1986 Jun 8;248(2):245–56

The preliminary characterization of mitogens secreted by embryonic chick wing bud tissues in vitro. Bell KM. **J Embryol Exp Morphol** 1986 Apr;93:257–65

The handedness and origin of supernumerary limb structures following 180 degrees rotation of the chick wing bud on its stump. Javois LC, et al. **J Embryol Exp Morphol** 1986 Feb;91:135–52

Myogenic differentiation in early chick wing mesenchyme in the absence of the brachial somites. Kenny-Mobbs T. **J Embryol Exp Morphol** 1985 Dec;90:415–36

Retinoic acid and pattern formation in the developing chick wing: SEM and quantitative studies of early effects on the apical ectodermal ridge and bud outgrowth. Lee J, et al. **J Embryol Exp Morphol** 1985 Dec;90:139–69

Patterning of myogenic cells in the early chick limb bud. Solursh M, et al. **Prog Clin Biol Res** 1986;217B:429–32

GROWTH & DEVELOPMENT

Stretch-induced growth in chicken wing muscles: role of soluble growth-promoting factors. Summers PJ, et al. **J Cell Physiol** 1985 Nov;125(2):288–94

Patterns of dye coupling in the imaginal wing disk of Drosophila melanogaster. Fraser SE, et al. **Nature** 1985 Oct 10–16;317(6037):533–6

Morphogenesis in wing imaginal discs: its relationship to changes in the extracellular matrix. Nardi JB, et al. **Tissue Cell** 1985;17(4):473–90

INJURIES

Avian diagnosis [letter] Forbes NA. **Vet Rec** 1985 Nov 23; 117(21):562

INNERVATION

Axon guidance in cultured wing discs and disc fragments of Drosophila. Blair SS, et al. **Dev Biol** 1985 Apr; 108(2):411–9

Genetic suppression of putative guidepost cells: effect on establishment of nerve pathways in Drosophila wings. Schubiger M, et al. **Dev Biol** 1985 Apr;108(2):399–410

[Features of the receptors of the alar system of locusts which have lost their ability to fly] Kniazeva NI. **Arkh Anat Gistol Embriol** 1986 Feb;90(2):33–9 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Mechanical control of initial lymphatic contractile behavior in bat's wing. Hogan RD, et al. **Am J Physiol** 1986 Aug; 251(2 Pt 2):H357–63

WIRSUNG'S DUCT see **PANCREATIC DUCTS**

WISKOTT-ALDRICH SYNDROME

BLOOD

The Wiskott-Aldrich syndrome: studies of platelets, basophils and polymorphonuclear leucocytes. Marone G, et al. **Br J Haematol** 1986 Apr;62(4):737–45

COMPLICATIONS

Wiskott-Aldrich syndrome with fever of unknown origin. Steele RW, et al. **Ann Allergy** 1986 Apr;56(4):293–4, 321–3

Cutaneous T cell lymphoma and leukocytoclastic vasculitis in a long-term survivor of Wiskott-Aldrich syndrome [clinical conference] Watson RD, et al. **Ann Allergy** 1985 Nov;55(5):654–7, 703–5

Malignant lymphoma in patients with the Wiskott-Aldrich syndrome. Cotelingam JD, et al. **Cancer Invest** 1985; 3(6):515–22

DIAGNOSIS

[Wiskott-Aldrich syndrome. Apropos of a case] Roussey M, et al. **Ann Pediatr (Paris)** 1986 Feb;33(2):119–22 (Eng. Abstr.) **(Fre)**

FAMILIAL & GENETIC

Cytogenetic studies in Wiskott-Aldrich syndrome: identification of a case with a 6p chromosome abnormality. Johnson MP, et al. **Am J Med Genet** 1986 Mar;23(3):765–73

Inherited thrombocytopenia, elevated serum IgA and renal disease: identification as a variant of the Wiskott-Aldrich syndrome. Standen GR, et al. **Q J Med** 1986 Apr; 59(228):401–8

IMMUNOLOGY

Phagocyte function and immunological findings in a Wiskott-Aldrich syndrome long-term survivor. Capsoni F, et al. **J Clin Lab Immunol** 1986 Feb;19(2):91–7

METABOLISM

Purification and chemical composition of gpL115, the human lymphocyte surface sialoglycoprotein that is defective in Wiskott-Aldrich syndrome. Remold-O'Donnell E, et al. **J Biol Chem** 1986 Jun 5;261(16):7526–30

WISSLER-FANCONI SYNDROME see **WISSLER'S SYNDROME**

WISSLER'S SYNDROME

COMPLICATIONS

[Fatal form of pericardo-myocarditis in Wissler-Fanconi syndrome] Bouhour JB, et al. **Arch Mal Coeur** 1986 May; 79(5):741–4 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[Early diagnosis in Wissler-Fanconi syndrome as an exclusion diagnosis] Prandota J, et al. **Kinderarztl Prax** 1986 Apr;54(4):191–5 (Eng. Abstr.) **(Ger)**

[Clinico-paraclinical characteristics of Wissler-Fanconi subsepsis] Kazakova LM, et al. **Pediatriia** 1985 Aug; (8):52–4 **(Rus)**

WIT AND HUMOR

Patients' reactions to humorous interventions in psychotherapy. Rosenheim E, et al. **Am J Psychother** 1986 Jan;40(1):110–24

Musings on the role of ion transport on cell volume regulation. Rothstein A. **Ann NY Acad Sci** 1985;456:162–5

Use of humor in managing clinical anxiety. Nevo O, et al. **ASDC J Dent Child** 1986 Mar–Apr;53(2):97–100

Skins are simpler than you think. Dermatological management for G.P. trainees. Burton JL. **Bristol Med Chir J** 1986 Feb;101(1):15

Airborne dental science. Cives J. **Can Dent Assoc J** 1985 Nov;51(11):814–5

Humor and competence in school-aged children. Masten AS. **Child Dev** 1986 Apr;57(2):461–73

Laughing at contact lens wearers. Royko M. **CLAO J** 1986 Apr–Jun;12(2):75–6

Influence of contextual complexity on the processing of cartoons by patients with unilateral lesions. Dagge M, et al. **Cortex** 1985 Dec;21(4):607–16

A patient looks at gastrointestinal endoscopy [letter] Mills JB. **Gastrointest Endosc** 1986 Aug;32(4):304

Thalia meets Tithonus: gerontological wit and humor in literature. Kehl DG. **Gerontologist** 1985 Oct;25(5):539–44

The medical Babel. Letters (never sent) to a student nurse, young doctors, assorted hospital people. Taranta A. **Hosp Pract [Off]** 1986 Apr 15;21(4):195–204 contd

The computer in medicine. Sternbach G. **J Emerg Med** 1985; 3(3):237–8

On the pretense theory of irony. Clark HH, et al. **J Exp Psychol [Gen]** 1984 Mar;113(1):121–6

Visual impairment, verbal humor, and conservation. Tait PE. **J Genet Psychol** 1986 Mar;147(1):107–11

Why was the berdache ridiculed? Greenberg DF. **J Homosex** 1985 Summer;11(3–4):179–89

Effect of alcoholic intoxication on the appreciation of different types of humor. Weaver JB, et al. **J Pers Soc Psychol** 1985 Sep;49(3):781–7

Joking relationships [editorial] Madden T. **J R Coll Gen Pract** 1986 May;36(286):197

Identity crisis. Ratnoff OD. **Lancet** 1985 Dec 21–28; 2(8469–70):1413–4

The Hippocratic oath—corporate version [letter] Schiedermayer DL. **N Engl J Med** 1986 Jan 2;314(1):62

Field guide to hospital cafeterias. Smith RP. **Obstet Gynecol** 1986 Sep;68(3):439

The teething virus. Bennett HJ, et al. **Pediatr Infect Dis** 1986 Jul–Aug;5(4):399–401

The genius of Friedrich Siegenthaler, M. D. Escobar GJ. **Perspect Biol Med** 1985 Autumn;29(1):37–40

Bacchus in the laboratory: in defense of scientific puns. Gilbert SF. **Perspect Biol Med** 1985 Autumn;29(1):148–52

New horizons in psychoanalysis: treatment of necrosistic personality disorders. Swanson DR. **Perspect Biol Med** 1986 Summer;29(4):493–8

The joke in "The Moses of Michelangelo". Imagination and creativity. Spruiell V. **Psychoanal Study Child** 1985; 40:473–92

Foreign bodies I have known. Felson B. **Semin Roentgenol** 1986 Jan;21(1):1–2

Dizzy medical writing. Fred HL, et al. **South Med J** 1985 Dec;78(12):1498–501 concl

Dizzy medical writing: Part II. Fred HL, et al. **South Med J** 1984 Jun;77(6):755–6

The ten least wanted patients. Pankratz L, et al. **South Med J** 1986 May;79(5):613–7

Saving the world. Christy NP. **Trans Am Clin Climatol Assoc** 1985;97:115–21

[Gil Vicente and dermatology] Garcia e Silva L. **Acta Med Port** 1985 Sep–Dec;6(9–12):259–61 **(Por)**

WITHDRAWAL SYMPTOMS see **SUBSTANCE WITHDRAWAL SYNDROME**

WITTENBORN SCALES see under **PSYCHIATRIC STATUS RATING SCALES**

WOLFF-PARKINSON-WHITE SYNDROME

COMPLICATIONS

Syncope in hypertrophic cardiomyopathy. II. Coexistence of atrioventricular block and Wolff-Parkinson-White syndrome. Khair GZ, et al. **Am Heart J** 1985 Nov; 110(5):1083–6

Mitral valve prolapse, Wolff-Parkinson-White syndrome, His bundle sclerosis and sudden death. André-Fouët X, et al. **Am J Cardiol** 1985 Oct 1;56(10):700

Left thoracic sympathectomy for treatment of refractory reentrant tachycardia in concealed Wolff-Parkinson-White syndrome. Mitsui T, et al. **Am J Cardiol** 1986 Apr 15; 57(11):995–7

Precipitation of cardiac arrest by verapamil in patients with Wolff-Parkinson-White syndrome. McGovern B, et al. **Ann Intern Med** 1986 Jun;104(6):791–4

Wolff-Parkinson-White syndrome and general anaesthesia: use of isoflurane and vecuronium [letter] Kumar CM. **Br J Anaesth** 1986 May;58(5):574–5

Syncope in a patient with Wolff-Parkinson-White syndrome and inducible ventricular fibrillation [clinical conference] Klein LS. **Chest** 1986 Jun;89(6):875–9

Congenitally corrected transposition of the great arteries associated with the pre-excitation syndrome. Nakajima K, et al. **Clin Nucl Med** 1986 Aug;11(8):564–7

Spontaneous abolition of WPW syndrome. Sathyamurthy I, et al. **J Assoc Physicians India** 1985 Jun;33(6):432

Tuberous sclerosis and Wolff-Parkinson-White syndrome [letter] Casta A. **J Pediatr** 1986 Aug;109(2):399–400

Nonclinical ventricular tachycardia in the Wolff-Parkinson-White syndrome. Milstein S, et al. **PACE** 1985 Sep;8(5):678–83

[Double fulguration of the bundles of His and Kent for recurrent tachycardia in Wolff-Parkinson-White syndrome] Leclercq JF, et al. **Arch Mal Coeur** 1986 Jan; 79(1):113–7 (Eng. Abstr.) **(Fre)**

[Dextrocardia and Wolff-Parkinson-White syndrome. Electrocardiographic diagnosis] Cappato R, et al. **G Ital Cardiol** 1986 Jan;16(1):92–4 (Eng. Abstr.) **(Ita)**

[Association of Wolff-Parkinson-White syndrome and mitral valve stenosis in pregnancy] Cosentino F, et al. **Minerva Cardioangiol** 1985 Dec;33(12):827–9 (Eng. Abstr.) **(Ita)**

[Effects of aprindine on the induction and termination of supraventricular tachycardia in patients with accessory pathway syndrome] Kubota K, et al. **Kokyu To Junkan** 1985 Jul;33(7):913–9 (Eng. Abstr.) **(Jpn)**

[Re-entrant tachycardia in Wolff-Parkinson-White syndrome. I. Mechanisms of initiation and interruption of tachycardia] Musial WJ. **Kardiol Pol** 1985;28(3–4):207–17 (Eng. Abstr.) **(Pol)**

[Ventricular fibrillation in a patient with WPW syndrome initiated by diagnostic cardiac stimulation] Telichowski C, et al. **Wiad Lek** 1986 Mar 1;39(5):335–9 (Eng. Abstr.) **(Pol)**

[Tachycardia and pre-excitation. A rare mechanism with bedside reversal by a vagal maneuver. Report of a case] Miranda MI, et al. **Arq Bras Cardiol** 1985 Jan;44(1):49–51

(Eng. Abstr.) (Por)
[Latent Wolff-Parkinson-White syndrome as the electrophysiological and morphological basis of supraventricular tachycardia] Sulimov VA, et al. **Kardiologiia** 1986 Apr;26(4):26-34 (Eng. Abstr.) (Rus)

CONGENITAL

Congenital hydrops and WPW syndrome [letter] Lauener PA, et al. **Pediatr Cardiol** 1985;6(2):113-4

DIAGNOSIS

Wolff-Parkinson-White VCG patterns that mimic other cardiac pathologies: a correlative study with the preexcitation pathway localization. Giorgi C, et al. **Am Heart J** 1986 May;111(5):891-902
Infarction in Wolff-Parkinson-White syndrome. Evolution of Q-wave-T-wave vector concordance. Herman RL, et al. **Arch Intern Med** 1986 May;146(5):1013
Wolff-Parkinson and White syndrome. Clinical presentation and management. Bajaj A, et al. **Cent Afr J Med** 1986 Feb; 32(2):43, 46-9
A case of anomalous origin of the right coronary artery from the left sinus of Valsalva exhibiting the Wolff-Parkinson-White syndrome. Yagita M, et al. **Eur Heart J** 1986 Mar;7(3):262-7
Enlarged racing heart in a nine-year-old girl. Birnbaum SE, et al. **Hosp Pract [Off]** 1985 Apr 15;20(4):52A-52B, 52D
Epicardial mapping and surgery of Wolff-Parkinson-White syndrome. Khalilullah M, et al. **Indian Heart J** 1986 Jan-Feb;38(1):3-9
Unmasking of an anomalous conduction pathway following isosorbide dinitrate. Talwar KK, et al. **Indian J Chest Dis Allied Sci** 1984 Jul-Sep;26(3):181-4
Effect of atrial pacing on phase analysis in patients with the Wolff-Parkinson-White syndrome. Magosaki N, et al. **J Cardiogr** 1984 Dec;14(4):815-21
Two false-negative responses to the ajmaline test in the Wolf-Parkinson-White syndrome. Cavalli A, et al. **PACE** 1985 Nov;8(6):832-7
[Diagnosis in W-P-W syndrome complicating bundle branch block] He BX. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Apr; 14(2):95-7 (Chi)
[Diagnostic problems in relation to left bundle branch block and ventricular pre-excitation. Electro-vectorcardiographic study] Tullio D. **Minerva Cardioangiol** 1985 Apr;33(4):203-8 (Eng. Abstr.) (Ita)
[Non-invasive diagnosis of the Wolff-Parkinson-White syndrome and the exercise test] Fukuda I. **Nippon Rinsho** 1985 Nov;43(11):2338-48 (Jpn)
[Various problems of examining and treating children with ventricular pre-excitation syndrome] Brediksis Iulu, et al. **Kardiologiia** 1986 Apr;26(4):14-7 (Eng. Abstr.) (Rus)
[Electrophysiologic diagnosis of concealed accessory pathways of septal localization in patients with supraventricular tachycardia] Esteve JJ, et al. **Rev Esp Cardiol** 1986 Jan-Feb;39(1):31-41 (Eng. Abstr.) (Spa)

DRUG THERAPY

Encainide for treatment of supraventricular tachycardias associated with the Wolff-Parkinson-White syndrome. Markel ML, et al. **Am J Cardiol** 1986 Aug 29; 58(5):41C-48C
Loss of efficacy of flecainide in the Wolff-Parkinson-White syndrome after isoproterenol administration. Brembilla-Perrot B, et al. **Eur Heart J** 1985 Dec; 6(12):1074-8
[Value of flecainide in supraventricular arrhythmias] Chouty F, et al. **Ann Cardiol Angeiol (Paris)** 1986 Apr;35(4):237-41 (Eng. Abstr.) (Fre)
[Effects of oral and injectable flecainide in patients with an accessory atrioventricular pathway] Fauchier JP, et al. **Arch Mal Coeur** 1985 Oct;78 Spec No:81-90 (Eng. Abstr.) (Fre)
[Successful treatment of fetal tachycardia with verapamil (Falicard)—case report] Adrian B, et al. **Kinderarztl Prax** 1986 Jun;54(6):325-8 (Eng. Abstr.) (Ger)
[Effect of the anti-arrhythmia agent ethmozin on the refractory period of the accessory pathway in Wolff-Parkinson-White syndrome] Rakovec P, et al. **Wien Med Wochenschr** 1986 Feb 15;136(3):65-6 (Eng. Abstr.) (Ger)
[Electrophysiologic effect of sotalol in supraventricular tachycardias] Borggrefe M, et al. **Z Kardiol** 1985 Sep; 74(9):506-11 (Eng. Abstr.) (Ger)
[Sotalol in supraventricular tachycardia. Electrophysiologic measurements in Wolff-Parkinson-White syndrome and AV node re-entry tachycardia] Manz M, et al. **Z Kardiol** 1985 Sep;74(9):500-5 (Eng. Abstr.) (Ger)
[Use of a cardiotonic agent in the ventricular pre-excitation syndrome. Report of a case] Franco PD, et al. **Arq Bras Cardiol** 1985 Jun;44(6):411-2 (Eng. Abstr.) (Por)

ETIOLOGY

Wolff Parkinson White syndrome in a case of myocarditis in infancy. Ward OC, et al. **Ir J Med Sci** 1986 Jul; 155(7):232-3
Tuberous sclerosis and Wolff-Parkinson-White syndrome. Jayakar PB, et al. **J Pediatr** 1986 Feb;108(2):259-60

NURSING

[Nursing in operations on patients with WPW syndrome] Wang ZY, et al. **Chung Hua Hu Li Tsa Chih** 1986 Feb; 21(1):23, 26 (Chi)

OCCURRENCE

[Prevalence and course of Wolf-Parkinson-White syndrome in a population of 138,048 subjects] Guize L, et al. **Ann Med Interne (Paris)** 1985;136(6):474-8 (Eng. Abstr.) (Fre)

PHYSIOPATHOLOGY

Persistent left superior vena cava: localization of site of ectopic atrial pacemaker and associated atrioventricular accessory pathway. O'Callaghan WG, et al. **Am Heart J** 1986 Jun;111(6):1200-2
Acute electrophysiologic effects of pirmenol in normal subjects and in patients with Wolff-Parkinson-White syndrome. Brown JE, et al. **Am J Cardiol** 1986 Apr 1; 57(10):775-81
Effects of oral amiodarone on rate-dependent changes in refractoriness in patients with Wolff-Parkinson-White syndrome. Brugada P, et al. **Am J Cardiol** 1985 Nov 15; 56(13):863-6
Comparison of exercise and ajmaline tests with electrophysiologic study in the Wolff-Parkinson-White syndrome. Eshchar Y, et al. **Am J Cardiol** 1986 Apr 1; 57(10):782-6
Simultaneous computer mapping to facilitate intraoperative localization of accessory pathways in patients with Wolff-Parkinson-White syndrome. Kramer JB, et al. **Am J Cardiol** 1985 Oct 1;56(10):571-6
Spontaneous termination of reciprocating tachycardia owing to interaction of dual atrioventricular nodal pathways in patients with an accessory pathway. Kuck KH, et al. **Am J Cardiol** 1985 Nov 15;56(13):872-6
Electrophysiologic profile of asymptomatic Wolff-Parkinson-White pattern. Milstein S, et al. **Am J Cardiol** 1986 May 1;57(13):1097-100
The Holter electrogram as an occasional alternative to electrophysiologic study. Singer I, et al. **Am J Cardiol** 1986 Apr 1;57(10):876-8
Use of flecainide acetate for refractory junctional tachycardias in children with the Wolff-Parkinson-White syndrome. Ward DE, et al. **Am J Cardiol** 1986 Apr 1; 57(10):787-90
The role of initial minimum potentials on body surface maps in predicting the site of accessory pathways in patients with Wolff-Parkinson-White syndrome. Kamakura S, et al. **Circulation** 1986 Jul;74(1):89-96
A case of Wolff-Parkinson-White syndrome: conduction through the Kent bundle seems to depend on the serum potassium level. Nakahara Y, et al. **Clin Cardiol** 1985 Sep; 8(9):494-8
Determination of the preexcitation focus in the W-P-W picture by isopotential body surface mapping. Cagáň S, et al. **Cor Vasa** 1985;27(4):293-303
Infrahisian with Kent bundle branch block. Shah VK, et al. **Indian Heart J** 1985 Sep-Oct;37(5):319-20
Characterization of retrograde conduction by direct endocardial recording from an accessory atrioventricular pathway. O'Callaghan WG, et al. **J Am Coll Cardiol** 1986 Jan;7(1):167-71
Determination of the earliest site of ventricular activation in Wolff-Parkinson-White syndrome: application of digital continuous loop two-dimensional echocardiography. Windle JR, et al. **J Am Coll Cardiol** 1986 Jun;7(6):1286-94
Intracardiac electrode catheter recordings of atrioventricular bypass tracts in Wolff-Parkinson-White syndrome: techniques, electrophysiologic characteristics and demonstration of concealed and decremental propagation. Winters SL, et al. **J Am Coll Cardiol** 1986 Jun;7(6):1392-403
Preexcitation syndrome: an unusual feature [letter] Sharma SN. **J Assoc Physicians India** 1985 Nov;33(11):746-7
Electrophysiologic mechanisms of functional bundle branch block at onset of induced orthodromic tachycardia in the Wolff-Parkinson-White syndrome. Role of stimulation method. Lehmann MH, et al. **J Clin Invest** 1985 Oct; 76(4):1566-74
Increasing pre-excitation ("concertina effect") during vasospastic angina. Nakagawa S, et al. **J Electrocardiol** 1986 Jul;19(3):299-302
Hyperkalemia and Wolff-Parkinson-White type preexcitation syndrome. Sridharan MR, et al. **J Electrocardiol** 1986 Apr;19(2):183-7
Attempted entrainment of circus movement tachycardias by ventricular stimulation. Saoudi NC, et al. **PACE** 1986 Jan; 9(1 Pt 1):78-90
[Electrophysiological study in WPW syndrome with supraventricular tachycardia] Chen X. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Feb; 14(1):47-51 (Chi)
[ECG in intensive care of patients with WPW syndrome after surgery] Sun LM. **Chung Hua Hu Li Tsa Chih** 1986 Feb; 21(1):8-9, 22 (Chi)
[Effect of heart rate on the refractory period of the accessory atrioventricular pathway in Wolff-Parkinson-White syndrome] Fromer M, et al. **Schweiz Med Wochenschr** 1985 Nov 2;115(44):1545-51 (Eng. Abstr.) (Ger)
[Coexistence of dual AV nodal pathways in patients with anomalous bypass tracts] Kubota K, et al. **Kokyu To Junkan** 1986 May;34(5):533-40 (Eng. Abstr.) (Jpn)
[The simultaneous measurements of epicardial potentials near the A-V groove in WPW syndrome by using the ring electrode] Kawamura T, et al. **Kyobu Geka** 1986 Jun; 39(6):454-7 (Eng. Abstr.) (Jpn)
[Electrophysiological studies of the accessory pathways] Shimomura K, et al. **Nippon Rinsho** 1985 Nov; 43(11):2325-9 (Jpn)
[Atrial fibrillation in Wolff-Parkinson-White syndrome in the light of electrophysiologic studies. IV] Musial WJ. **Kardiol Pol** 1985;28(12):767-75 (Eng. Abstr.) (Pol)
[Recurrent tachycardia in Wolff-Parkinson-White syndrome. III. Factors determining lack of tachycardia] Musial WJ. **Kardiol Pol** 1985;28(5):279-87 (Eng. Abstr.) (Pol)
[Recurrent tachycardia in Wolff-Parkinson-White syndrome. II. Proof of conduction by an additional path during circular motion] Musial WJ. **Kardiol Pol** 1985;28(5):269-78 (Eng. Abstr.) (Pol)
[Wolff-Parkinson-White syndrome combined with atrioventricular block] Poliakov VP, et al. **Kardiologiia** 1985 Nov;25(11):107 (Rus)
[The function of retrograde (ventricular-atrial) conduction in Wolff-Parkinson-White syndrome patients] Golitsyn SP, et al. **Ter Arkh** 1985;57(9):77-83 (Eng. Abstr.) (Rus)
[Determination of the pre-excitation focus in the W-P-W picture using electrocardiographic methods] Cagáň S, et al. **Bratisl Lek Listy** 1985 Oct;84(4):416-29 (Eng. Abstr.) (Slo)

RADIONUCLIDE IMAGING

An evaluation of the diagnostic efficacy of phase analysis of data from radionuclide ventriculograms in patients with Wolff-Parkinson-White syndrome. Dormehl IC, et al. **Eur J Nucl Med** 1985;11(5):150-5
Phase analysis of gated blood pool scintigraphic images to localize bypass tracts in Wolff-Parkinson-White syndrome. Johnson LL, et al. **J Am Coll Cardiol** 1986 Jul;8(1):67-75
Length-based Fourier analysis in the pre-excitation syndrome. Nakajima K, et al. **J Nucl Med** 1986 Jul; 27(7):1131-7
[Phase imaging of isotopic ventriculographies: contribution to the study of the Wolff-Parkinson-White syndrome] Aliot E, et al. **Arch Mal Coeur** 1985 Aug;78(8):1166-71 (Eng. Abstr.) (Fre)
[Localization of pre-excitation in the WPW syndrome by analysis of the ventricular contraction course] Nitsch J, et al. **Z Kardiol** 1985 Sep;74(9):495-9 (Eng. Abstr.) (Ger)

SURGERY

Surgery for Wolff-Parkinson-White syndrome: further experience with an epicardial approach. Guiraudon GM, et al. **Circulation** 1986 Sep;74(3):525-9
Ventricular preexcitation following catheter ablation of the His bundle in concealed WPW syndrome. Steinbeck G, et al. **Eur Heart J** 1986 May;7(5):444-8
Wolff-Parkinson-White syndrome: cryosurgical treatment. Zipes DP, et al. **Indiana Med** 1986 May;79(5):432-7
Experience with 118 consecutive patients undergoing operation for the Wolff-Parkinson-White syndrome. Cox JL, et al. **J Thorac Cardiovasc Surg** 1985 Oct;90(4):490-501
Surgical ablation of posterior septal accessory pathways in the Wolff-Parkinson-White syndrome by a closed heart technique. Guiraudon GM, et al. **J Thorac Cardiovasc Surg** 1986 Sep;92(3 Pt 1):406-13
Radical surgical cure of Wolff-Parkinson-White syndrome: the Kanazawa experience. Iwa T, et al. **J Thorac Cardiovasc Surg** 1986 Feb;91(2):225-33
[Pre- and postoperative care of patients undergoing operations for W-P-W syndrome] Sun LM. **Chung Hua Hu Li Tsa Chih** 1984 Dec;19(6):341-4 (Chi)
[Clinical course after surgical treatment of the Wolff-Parkinson-White syndrome] Kappenberger L, et al. **Schweiz Med Wochenschr** 1985 Nov 9;115(45):1601-3 (Eng. Abstr.) (Ger)
[Simultaneous surgery of Wolff-Parkinson-White syndrome combined with tricuspid atresia] Misaki T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Feb;34(2):261-6 (Eng. Abstr.) (Jpn)
[Surgical management of the pre-excitation syndrome—epicardial approach] Kawamura T. **Nippon Rinsho** 1985 Nov;43(11):2356-9 (Jpn)
[1-stage surgical elimination of ectopic atrial tachycardia and accessory atrioventricular junction in Wolff-Parkinson-White syndrome] Bokeriia LA, et al. **Gruds Khir** 1986 Mar-Apr;(2):23-30 (Eng. Abstr.) (Rus)
[Simultaneous correction of Ebstein's anomaly associated with interventricular septal defect and WPW (B) syndrome] Bokeriia LA, et al. **Gruds Khir** 1985 Sep-Oct; (5):77-8 (Rus)
[Epicardial electropulse destruction of accessory atrio-ventricular connections—new method of surgical treatment of the ventricular pre-excitation syndrome] Bokeriia LA, et al. **Vestn Akad Med Nauk SSSR** 1986; (2):59-64 (Eng. Abstr.) (Rus)

THERAPY

[The Wolff-Parkinson-White syndrome] Harumi K, et al. **Nippon Rinsho** 1985 Nov;43(11):2330-7 (39 ref.) (Jpn)

WOLFFIAN BODY see MESONEPHROS

WOLFFIAN DUCT

PHYSIOLOGY

Surface of the rooster spermatozoon changes in passing through the Wolffian duct. Esponda P, et al. **J Exp Zool** 1985 Jun;234(3):441-9

WOLFRAM see TUNGSTEN

WOLFRAM SYNDROME

DIAGNOSIS

Association of diabetes insipidus, diabetes mellitus, optic atrophy, and deafness. The Wolfram or DIDMOAD syndrome. Najjar SS, et al. **Arch Dis Child** 1985 Sep; 60(9):823-8

Observation concerning the age of onset and the nature of optic atrophy in Wolfram's syndrome (DIDMOADS). Mayer UM, et al. **Ophthalmic Paediatr Genet** 1985 Apr; 5(3):155-7

[The Wolfram syndrome. Apropos of a Tunisian case] Dliga Y, et al. **Ann Pediatr (Paris)** 1985 Dec;32(10):889-92 (Eng. Abstr.) (Fre)

[Optic atrophy, deafness and diabetes mellitus in a patient with Wolfram's syndrome. Study of a new case (letter)] Heras Pérez JA, et al. **Rev Clin Esp** 1986 Jun;179(2):102-3 (Spa)

FAMILIAL & GENETIC

DIDMOAD syndrome in a Libyan family. Shembesh NM, et al. **Ann Trop Paediatr** 1986 Mar;6(1):47-50

DIDMOAD (Wolfram) syndrome [editorial] **Lancet** 1986 May 10;1(8489):1075-6

[Electrophysiologic profiles in a few cases of Wolfram syndrome] Sanarelli L, et al. **Riv Neurol** 1986 Jan-Feb; 56(1):48-54 (Eng. Abstr.) (Ita)

[DIDMOAD syndrome. Study of 3 families with 5 new cases. Differentiation from classic insulin-dependent diabetes mellitus] García-Luna PP, et al. **Med Clin (Barc)** 1985 Oct 19;85(12):486-90 (Eng. Abstr.) (Spa)

METABOLISM

Documented vasopressin deficiency in a child with Wolfram syndrome. Wit JM, et al. **J Pediatr** 1986 Sep;109(3):493-4

PHYSIOPATHOLOGY

Wolfram syndrome: report of four new cases and a review of literature. Fishman L, et al. **Diabetes Care** 1986 Jul-Aug; 9(4):405-8

THERAPY

Wolfram (DIDMOAD) syndrome: a complex long-term problem in management. Peden NR, et al. **Q J Med** 1986 Feb;58(226):167-80

WOMEN

Alcohol and substance abuse in women and children. **Adv Alcohol Subst Abuse** 1986 Spring;5(3):1-145

ASHP report on the status of women in hospital pharmacy. **Am J Hosp Pharm** 1986 Jul;43(7):1765-6

Mortality of a municipal worker cohort: II. Females. Vena JE, et al. **Am J Ind Med** 1986;9(2):159-69

Women in transition. Presidential address. McCoy JB. **Am J Obstet Gynecol** 1986 Sep;155(3):461-4

Issues for working parents. Brazelton TB. **Am J Orthopsychiatry** 1986 Jan;56(1):14-25

More women in pharmacy. Students' views on the matter. Pantoja JP, et al. **Am Pharm** 1985 Dec;NS25(12):54-8

Women, health, and development: an American perspective [editorial] Smits HL. **Ann Intern Med** 1986 Feb; 104(2):263-4

Perspectives on the health of immigrant women: a feminist analysis. Anderson JM. **ANS** 1985 Oct;8(1):61-76

One nurse's goal can become ours if we lend support [editorial] Palmer PN. **AORN J** 1986 Jun;43(6):1202

Working parents: leave of absence and child care. Shewan CM. **ASHA** 1986 May;28(5):37

Women's health: research for the future. McBride AB. **Birth Defects** 1985;21(3):17-28

Indicators of psychiatric disorder among women admitted to prison. Turner TH, et al. **Br Med J [Clin Res]** 1986 Mar 8;292(6521):651-3

Psychiatric injury in the women's workplace. Bursten B. **Bull Am Acad Psychiatry Law** 1985;13(4):399-406

"Women are proverbially hopeful:" Newark's voluntary hospitals, 1867-1890. Sharpe WD. **Bull NY Acad Med** 1986 May;62(4):336-68

Lung cancer: a feminist issue [letter] **CA** 1986 Mar-Apr; 36(2):126-7

Is there a trend away from tranquillizing women? Bass MJ, et al. **Can J Public Health** 1986 Mar-Apr;77(2):119-22

Pediatricians' attitudes toward maternal employment. Matlin MW, et al. **Clin Pediatr (Phila)** 1986 Aug;25(8):419

Health concerns of women runners. Lutter JM. **Clin Sports Med** 1985 Oct;4(4):671-84

Psychotherapy and women: changing issues. Nadelson CC, et al. **Curr Psychiatr Ther** 1986;23:13-25

Comment on Barbara Devaney's "An analysis of variations in U.S. fertility and female labor force participation trends". Smith DP. **Demography** 1986 Feb;23(1):137-42

Household structure and labor force participation of black, hispanic, and white mothers. Tienda M, et al. **Demography** 1985 Aug;22(3):381-94

Family nutrition and women's activities in rural Africa. Purvis BM. **Food Nutr (Roma)** 1985;11(2):28-36

The older female graduate student in gerontology: an analysis of the University of South Florida's fifteen year experience. Garcia JL, et al. **Gerontol Geriatr Educ** 1985 Spring; 5(3):69-79

Patterns of parent-care when adult daughters work and when they do not. Brody EM, et al. **Gerontologist** 1986 Aug; 26(4):372-81

Trends in old-age pensions for women: benefit levels in ten nations, 1960-1980. Tracy MB, et al. **Gerontologist** 1986 Jun;26(3):286-91

Change in relative income of older women, 1960-1980. Uhlenberg P, et al. **Gerontologist** 1986 Apr;26(2):164-70

Comparable worth: how good an idea? Feldstein PJ. **Health Care Manage Rev** 1986 Winter;11(1):33-9

The problems of radiation double standards: exposure of potentially pregnant persons. Taylor LS. **Health Phys** 1985 Dec;49(6):1043-52

The health care needs of women veterans. Dvoredsky AE, et al. **Hosp Community Psychiatry** 1985 Oct; 36(10):1098-102

Women as care givers face crisis at home. Newald J. **Hospitals** 1986 Mar 20;60(6):106

Women's centers: good medicine or good marketing? Wolinsky H. **Hospitals** 1986 Mar 5;60(5):110

Nutritional status of children of working mothers. Choudhary M, et al. **Indian Pediatr** 1986 Apr;23(4):267-70

Discrimination begins at birth. Ghosh S. **Indian Pediatr** 1986 Jan;23(1):9-15

The girl child [editorial] Ghosh S. **Indian Pediatr** 1986 Jan; 23(1):5-7

Do liberated women drive their husbands to drink? The impact of masculine orientation, status inconsistency, and family life satisfaction on male liquor consumption. Harrell WA. **Int J Addict** 1986 Mar;21(3):385-91

Women and health in Europe: the scope and limits of epidemiology. Maclean U. **Int J Health Serv** 1985; 15(4):665-76

Invisible care and invisible women as health care-providers. Colliere MF. **Int J Nurs Stud** 1986;23(2):95-112

Weight control content of women's magazines: bias and accuracy. Parham ES, et al. **Int J Obes** 1986;10(1):19-27

Women's councils. Herzog P. **Int Nurs Rev** 1985 Sep-Oct; 32(5):145, 153

Older women: a literature review. Robinson K. **J Adv Nurs** 1986 Mar;11(2):153-60

Motherhood took me by surprise. Fine JS. **J Am Med Wom Assoc** 1986 May-Jun;41(3):88-90

Developmental strains of women medical students. Kris KB. **J Am Med Wom Assoc** 1985 Sep-Oct;40(5):145-8

Finances: a hidden cost to women medical students. Tamburrino MB, et al. **J Am Med Wom Assoc** 1985 Sep-Oct;40(5):149-51

Divorce, widowhood, remarriage and geographic mobility among women. Grundy E. **J Biosoc Sci** 1985 Oct; 17(4):415-35

To make things right. Neidle EA. **J Dent Educ** 1986 Jun; 50(6):297-9

Educating community gatekeepers about alcohol abuse in women: changing attitudes, knowledge and referral practices. Beckman LJ, et al. **J Drug Educ** 1985; 15(4):289-309

Responses of male and female physicians to medical complaints in male and female patients. Greer S, et al. **J Fam Pract** 1986 Jul;23(1):49-53

Motor performance of women as a function of age and physical activity level. Rikli R, et al. **J Gerontol** 1986 Sep; 41(5):645-9

Why is poverty after 65 a woman's problem? Warlick JL. **J Gerontol** 1985 Nov;40(6):751-7

Health care for women. Abrams M. **J Obstet Gynecol Neonatal Nurs** 1986 May-Jun;15(3):250-5

Well woman care: whose responsibility? Jesaopp L, et al. **J R Coll Gen Pract** 1985 Oct;35(279):490-1

Women and alcohol. A review. Blume SB. **JAMA** 1986 Sep 19;256(11):1467-70 (51 ref.)

Racial and sexual discrimination in the selection of students for London medical schools. Collier J, et al. **Med Educ** 1986 Mar;20(2):86-90

Social roles and health trends of American women. Verbrugge LM, et al. **Milbank Mem Fund Q** 1985 Fall; 63(4):691-735

Drugs and drug interactions in the elderly woman. Braude MC. **Natl Inst Drug Abuse Res Monogr Ser** 1986;65:58-64

The PHS Task Force on Women's Health Issues. Chatham L. **Natl Inst Drug Abuse Res Monogr Ser** 1986;65:1-8

FDA's perspective on women and drugs. Danello MA. **Natl Inst Drug Abuse Res Monogr Ser** 1986;65:9-13

Breaks in career—what chance for women? Pearson R. **Nature** 1986 Feb 6-12;319(6053):522

Women's health. **Nurs Clin North Am** 1986 Mar;21(1):85-190

Redefining sexuality from women's own experiences. Bernhard LA, et al. **Nurs Clin North Am** 1986 Mar; 21(1):125-36 (35 ref.)

From patient to consumer; from apprentice to professional practitioner. Church OM, et al. **Nurs Clin North Am** 1986 Mar;21(1):99-109

Changing factors and changing needs in women's health care. Leslie LA, et al. **Nurs Clin North Am** 1986 Mar; 21(1):111-23 (33 ref.)

The health of older women. McElmurry BJ, et al. **Nurs Clin North Am** 1986 Mar;21(1):161-71

Developmental concerns and the health of midlife women. Nolan JW. **Nurs Clin North Am** 1986 Mar;21(1):151-9 (36 ref.)

Women and mental health. A model for practice. Webster D, et al. **Nurs Clin North Am** 1986 Mar;21(1):137-49

Women's health. Changing definitions; changing times. Webster D, et al. **Nurs Clin North Am** 1986 Mar;21(1):87-97 (39 ref.)

Re: Nursing practice in women's health--concept paper [:etter] **Nurs Res** 1986 May-Jun;35(3):143

Getting women hooked: defending the indefensible [interview by Bobbi Jacobson] **NY State J Med** 1985 Jul; 85(7):341

Mixed messages for women. A social history of cigarette smoking and advertising. Ernster VL. **NY State J Med** 1985 Jul;85(7):335-40

Reproductive health of working women: spontaneous abortions and congenital malformations. Lindbohm ML, et al. **Public Health Rev** 1985;13(1-2):55-87 (102 ref.)

Self-care practices among young adult married women. Woods NF. **Res Nurs Health** 1985 Sep;8(3):227-33

The effect of maternal employment during preschool years on school readiness. Leary PM, et al. **S Afr Med J** 1986 Jul 19;70(2):108-11

Working women still segregated and underpaid [news] Holden C. **Science** 1986 Jan 31;231(4737):449

The influence of female education, labor force participation, and age at marriage on fertility behavior in Bangladesh. Chaudhury RH. **Soc Biol** 1984 Spring-Summer; 31(1-2):59-74

Women heal women: spirit possession and sexual segregation in a Muslim society. Constantinides P. **Soc Sci Med** 1985; 21(6):685-92

Women's health in a marginal area of Kenya. Ferguson A. **Soc Sci Med** 1986;23(1):17-29

The African social periphery. Mburu FM. **Soc Sci Med** 1986; 22(7):785-90

The power to pollute and the power to preserve: perceptions of female power in a Hindu village. Thompson C. **Soc Sci Med** 1985;21(6):701-11

Employment of retired-worker women. Iams HM. **Soc Secur Bull** 1986 Mar;49(3):5-13

[Problems of women working in vinyl chloride manufacturing plants] Panova Z. **Akush Ginekol (Sofiia)** 1985;24(6):75-80 (Eng. Abstr.) (Bul)

[Risk factors of developing cervical cancer in workers and employees of the city of Sofia] Tsekov V, et al. **Akush Ginekol (Sofiia)** 1985;24(5):50-5 (Eng. Abstr.) (Bul)

[Menstrual cycle study of blind women at the Plovdiv Success Enterprise] Vülchev V, et al. **Akush Ginekol (Sofiia)** 1985;24(5):39-44 (Eng. Abstr.) (Bul)

[Aging in the female] Asiel M. **Rev Med Brux** 1985 Sep; 6(7):497-504 (24 ref.) (Eng. Abstr.) (Fre)

[Ethnopsychoanalytic elaboration of the cultural space of the female] Nadig M. **Psyche (Stuttg)** 1986 Mar;40(3):193-219 (Eng. Abstr.) (Ger)

[Basic studies on the relationship between health of the working women and the psychoneuroendocrine system] Okamura Y. **Sangyo Ika Daigaku Zasshi** 1986 Mar 20;8 Suppl:53-60 (E..g. Abstr.) (Jpn)

[United Nations' decade of the woman and measures in the area of occupational health] Volkova ZA. **Gig Tr Prof Zabol** 1985 Dec;(12):1-4 (Rus)

EDUCATION

The influence of female education, labor force participation, and age at marriage on fertility behavior in Bangladesh. Chaudhury RH. **Soc Biol** 1984 Spring-Summer; 31(1-2):59-74

PSYCHOLOGY

Women after divorce: preliminary report from a ten-year follow-up. Wallerstein JS. **Am J Orthopsychiatry** 1986 Jan; 56(1):65-77

Men, women, and work [letter] Chess S. **Am J Psychiatry** 1986 Jun;143(6):808-9

The politics of stress: public visions, private realities. Epstein CF. **Am J Psychoanal** 1985 Fall;45(3):282-90

The professional woman's dilemma: love and/or power. Kestenbaum CJ. **Am J Psychoanal** 1986 Spring;46(1):15-21

Women, life events and drinking problems. Allan CA, et al. **Br J Psychiatry** 1986 Apr;148:462

Women and mental illness [letter] **Br Med J [Clin Res]** 1986 Jan 18;292(6514):201-2

Women and mental illness [editorial] Jenkins R, et al. **Br Med J [Clin Res]** 1985 Nov 30;291(6508):1521-2

Developmental patterns of women returning to school ages 30 through 49. Richardson V, et al. **Gerontol Geriatr Educ** 1985 Summer;5(4):29–41

People would talk: normative barriers to cross-sex friendships for elderly women. Adams RG. **Gerontologist** 1985 Dec;25(6):605–11

Women's changing roles and help to the elderly: attitudes of women in the United States and Japan. Campbell R, et al. **Gerontologist** 1985 Dec;25(6):584–92

Depressed elderly women in Switzerland: an example of testing and of generating theories. Lalive d'Epinay CJ. **Gerontologist** 1985 Dec;25(6):597–604

Older women's perceptions of great-grandmotherhood: a research note. Wentowski GJ. **Gerontologist** 1985 Dec; 25(6):593–6

The Loathly Lady and the Edwardian statue: life in Pensioner hotels. Wyatt-Brown AM. **Gerontologist** 1986 Apr;26(2):207–10

Women's accounts of psychiatric illness and institutionalization. Geller JL. **Hosp Community Psychiatry** 1985 Oct;36(10):1056–62

Psychoanalytic constructions of female development and women's conflicts about achievement—Part II. Kanefield L. **J Am Acad Psychoanal** 1985 Jul;13(3):347–66

Role boundary dilemmas: special dangers for women. Brown SL, et al. **J Am Med Wom Assoc** 1985 Nov–Dec; 40(6):181–5

Female psychology: a review. Chehrazi S. **J Am Psychoanal Assoc** 1986;34(1):141–62

Paid employment, life events, social support, and mental health in working-class mothers. Parry G. **J Health Soc Behav** 1986 Jun;27(2):193–208

Lives of women who became autonomous. Helson R, et al. **J Pers** 1985 Jun;53(2):257–85

The timing of psychosocial transitions and changes in women's lives: an examination of women aged 45 to 60. Harris RL, et al. **J Pers Soc Psychol** 1986 Aug;51(2):409–16

Sexual dysfunction and disorder patterns of working and nonworking wives. Avery-Clark C. **J Sex Marital Ther** 1986 Summer;12(2):93–107

Women's workload and rejection of children. Kitahara M. **J Soc Psychol** 1985 Dec;125(6):789–90

The dilemmas of mothers who are physicians and of physicians who are mothers [letter] **JAMA** 1986 Jan 24–31; 255(4):464–7

The usefulness of Mahler's phases of the separation-individuation process in providing a theoretical framework for understanding relocation. Puskar KR. **Matern Child Nurs J** 1986 Spring;15(1):15–22

Development and testing of a scale to measure locus of control prior to and following childbirth. Schroeder MA. **Matern Child Nurs J** 1985 Summer;14(2):111–21

Measure of attitude toward menopause using the semantic differential model. Bowles C. **Nurs Res** 1986 Mar–Apr; 35(2):81–5

Effect of role clarity and empathy on support role performance and anxiety. Bramwell L, et al. **Nurs Res** 1986 Sep–Oct;35(5):282–7

A question of bedrock: is penis envy the bottom line? Satow R. **Psychoanal Rev** 1985 Summer;72(2):265–75

Female vulnerability to depression. Tennant C. **Psychol Med** 1985 Nov;15(4):733–7

Differences in women's and men's thinking about parent-child interactions. McBride AB. **Res Nurs Health** 1985 Dec;8(4):389–96

Employment, attitudes toward employment, and women's health. Waldron I, et al. **Women Health** 1986 Spring; 11(1):79–98

[Gynecologic events in the life of women] Cepický P, et al. **Cas Lek Cesk** 1986 Jan 24;125(4):97–9 (Eng. Abstr.) (Cze)

[The feminine ideal in the works of Henrik Ibsen] Vacola G, et al. **Ann Med Psychol (Paris)** 1985 Dec;143(10):990–6 (Fre)

[Fatigue in women] Bawin-Legros. **Arch Belg** 1985; 43(11–12):493–500 (Fre)

[Psychologic and psychiatric problems of the menopause] Lamarre S. **Union Med Can** 1986 Mar;115(3):185–8 (Eng. Abstr.) (Fre)

[Turkish girls in the stress between 2 cultures] Kürsat-Ahlers E. **Monatsschr Kinderheilkd** 1985 Jun;133(6):378–81 (Ger)

[Womanhood today—identity experiences and identity crises] Kast V. **Z Geburtshilfe Perinatol** 1985 Nov–Dec; 189(6):271–8 (Eng. Abstr.) (Ger)

WOMEN PHYSICIANS see **PHYSICIANS, WOMEN**

WOMEN, WORKING see under **WOMEN**

WOMEN'S LIBERATION see **WOMEN'S RIGHTS**

WOMEN'S RIGHTS

Feminist attitudes and mother-daughter relationships in adolescence. Notar M, et al. **Adolescence** 1986 Spring; 21(81):11–21

Nursing faculty collaboration viewed through feminist process. Charleston Faculty Practice Conference Group. **ANS** 1986 Jan;8(2):29–38

Comparable worth: how good an idea? Feldstein PJ. **Health Care Manage Rev** 1986 Winter;11(1):33–9

Do liberated women drive their husbands to drink? The impact of masculine orientation, status inconsistency, and family life satisfaction on male liquor consumption. Harrell WA. **Int J Addict** 1986 Mar;21(3):385–91

Not yet equal: employment experience of older women and older men. Kahne H. **Int J Aging Hum Dev** 1985–86; 22(1):1–13

Gender differences in the psychology of parenting: psychoanalytic and feminist perspectives. Hunt J, et al. **J Am Acad Psychoanal** 1986 Apr;14(2):213–26

On the importance of networking. Battle CU. **J Am Med Wom Assoc** 1986 Jul–Aug;41(4):101, 126

An uneasy alliance: nursing and the women's movement. Vance C, et al. **Nurs Outlook** 1985 Nov–Dec;33(6):281–5

Women, health and development. A report by the Director-General World Health Organization. **WHO Offset Publ** 1985;(90):1–41

[What consequences does the development of women over the last 20 years have for the family?] Badinter E. **Schweiz Arch Neurol Psychiatr** 1985;136(6):39–46 (Fre)

ECONOMICS

An economic analysis of comparable worth. Disch JM, et al. **J Nurs Adm** 1986 Jun;16(6):24–31

LEGISLATION & JURISPRUDENCE

Psychiatric injury in the women's workplace. Bursten B. **Bull Am Acad Psychiatry Law** 1985;13(4):399–406

Comparable worth battle spreads to new fronts. Burda D. **Hospitals** 1986 Mar 5;60(5):42, 46

Sex discrimination, mortality tables, and pensions: improving the economic status of older women. Heen ML. **Women Health** 1986 Spring;11(1):119–31

TRENDS

Symposium. Civil rights, affirmative action, and the aged of the future: will life chances be different for blacks, Hispanics, and women? An overview of the issues. Dressel P. **Gerontologist** 1986 Apr;26(2):128–31

Antidiscrimination policies today and the life chances of older women tomorrow. Hess BB. **Gerontologist** 1986 Apr; 26(2):132–5

The dynamics of cooptation in a feminist health clinic. Morgen S. **Soc Sci Med** 1986;23(2):201–10

The United Nations Decade for Women: an end and a beginning. **WHO Chron** 1985;39(5):163–70

WOOD

The nasal mucosa in softwood exposed furniture workers. Boysen M, et al. **Acta Otolaryngol (Stockh)** 1986 May–Jun; 101(5–6):501–8

Control of wood dust from horizontal belt sanding. Hampl V, et al. **Am Ind Hyg Assoc J** 1985 Oct;46(10):567–77

Wood-related occupations, wood dust exposure, and sinonasal cancer. Hayes RB, et al. **Am J Epidemiol** 1986 Oct;124(4):569–77

Associations between several sites of cancer and nine organic dusts: results from an hypothesis-generating case-control study in Montreal, 1979–1983. Siemiatycki J, et al. **Am J Epidemiol** 1986 Feb;123(2):235–49

Health hazards of natural and introduced chemical components of boatbuilding woods. Jagels R. **Am J Ind Med** 1985;8(3):241–51 (44 ref.)

In vitro technique to study elution of benzo[a]pyrene from particulates into biomembranes with application to woodstove particulates. Bevan DR, et al. **Anal Biochem** 1985 Oct;150(1):105–10

Personal exposures to wood dust of woodworkers in the furniture industry in the High Wycombe area: a statistical comparison of 1923 and 1976/77 survey results. Jones PA, et al. **Ann Occup Hyg** 1986;30(2):171–84

Occupational exposure to chemical agents in the plywood industry. Kauppinen T. **Ann Occup Hyg** 1986;30(1):19–29

Symptoms and pulmonary function in western red cedar workers related to duration of employment and dust exposure. Vedal S, et al. **Arch Environ Health** 1986 May–Jun;41(3):179–83

Respiratory cancers and chemical exposures in the wood industry: a nested case-control study. Kauppinen TP, et al. **Br J Ind Med** 1986 Feb;43(2):84–90

Effectiveness of candidate barrier sprays for managing residues of chlordane on plywood. Brady UE, et al. **Bull Environ Contam Toxicol** 1986 Sep;37(3):467–74

Occupational asthma caused by African maple (Obeche) and Ramin: evidence of cross reactivity between these two woods. Hinojosa M, et al. **Clin Allergy** 1986 Mar; 16(2):145–53

Contact allergy to woods. Hausen BM. **Clin Dermatol** 1986 Apr–Jun;4(2):65–76

Occupational dermatitis to Honduran mahogany. Fowler JF Jr. **Contact Dermatitis** 1985 Nov;13(5):336–7

Erythema multiforme-like eruptions due to exotic woods and ordinary plants: Part I. Fisher AA. **Cutis** 1986 Feb; 37(2):101–2, 104

Exposure to mutagenic aromatic hydrocarbons of workers creosoting wood. Bos RP, et al. **IARC Sci Publ** 1984; (59):279–88

Allergic contact dermatitis to "silver oak" wooden arm bracelets. Hoffman TE, et al. **J Am Acad Dermatol** 1985 Nov;13(5 Pt 1):778–9

Killing forests to cure tobacco [letter] Bordin GM. **JAMA** 1986 Jun 20;255(23):3244

Wood dust and nasal diseases: exposure to chestnut wood dust and loss of smell (pilot study). Innocenti A, et al. **Med Lav** 1985 Jul–Aug;76(4):317–20

Acute respiratory illness following occupational exposure to wood chips—Ohio. **MMWR** 1986 Aug 1;35(30):483–4, 489–90

Contribution of wood stoves and fire places to mutagenic activity of airborne particulate matter inside homes. van Houdt JJ, et al. **Mutat Res** 1986 Aug–Sep;171(2–3):91–8

Occupational exposure to chemical agents in the particleboard industry. Kauppinen TP, et al. **Scand J Work Environ Health** 1985 Oct;11(5):357–63

Identification of chlorinated compounds in the spent chlorination liquor from differently treated sulphite pulps with special emphasis on mutagenic compounds. Carlberg GE, et al. **Sci Total Environ** 1986 Feb;48(3):157–67

[Chronic poisoning by wood-protective agents in living quarters] Janssens JJ, et al. **Arch Belg** 1985; 43(11–12):536–50 (Eng. Abstr.) (Dut)

[Wood preservatives] Krause C. **Schriftenr Ver Wasser Boden Lufthyg** 1985;65:107–14 (Ger)

[Wood dust as inhalative noxious agent] Kirsten D, et al. **Z Erkr Atmungsorgane** 1985;165(3):235–41 (Eng. Abstr.) (Ger)

[A community survey and pathogenesis of occupational asthma in sawing- and wood-workers] Takahashi K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Apr; 24(4):447–53 (Eng. Abstr.) (Jpn)

[A piece of wood in a muscle can be detected by ultrasonics] Ahlbäck SO. **Lakartidningen** 1985 Oct 16;82(42):3590–1 (Swe)

WOOL

Neurogenic inflammation caused by wool fabric in the rat; possible mediation by substance P. Helme RD, et al. **Neurosci Lett** 1986 May 23;66(3):333–7

Propetamphos pour-on formulation for the control of lice on sheep: effect of lice on weight gain and wool production. Ormerod VJ, et al. **Res Vet Sci** 1986 Jan;40(1):41–3

CYTOLOGY

Localization of low-sulfur keratin proteins in the wool follicle using monoclonal antibodies. French PW, et al. **J Cell Biol** 1986 Apr;102(4):1412–8

GROWTH & DEVELOPMENT

Effect on wool growth of thyroxine replacement in thyroidectomized merino rams. Maddocks S, et al. **Aust J Biol Sci** 1985;38(4):405–10

The role of condensed tannins in the nutritional value of Lotus pedunculatus for sheep. Rates of body and wool growth. Barry TN. **Br J Nutr** 1985 Jul;54(1):211–7

IMMUNOLOGY

Multiple sclerosis and wool [letter] Brenner SR. **Lancet** 1986 Aug 23;2(8504):463

METABOLISM

Effects of phenylalanine and analogues of methionine and phenylalanine on the composition of wool and mouse hair. Reis PJ, et al. **Aust J Biol Sci** 1985;38(2):151–63

ULTRASTRUCTURE

Trichohyalin, an intermediate filament-associated protein of the hair follicle. Rothnagel JA, et al. **J Cell Biol** 1986 Apr; 102(4):1419–29

Intermediate filaments in alpha-keratins. Fraser RD, et al. **Proc Natl Acad Sci USA** 1986 Mar;83(5):1179–83

WORD ASSOCIATION TESTS

Statistical approach to the word association test. Lánský P, et al. **Act Nerv Super (Praha)** 1985 Sep;27(3):199–212

Characteristic patterns of word association responses in institutionalized elderly with and without senile dementia. Santo Pietro MJ, et al. **Brain Lang** 1985 Nov;26(2):230–43

Meyer, Jung, and the limits of association. Leys R. **Bull Hist Med** 1985 Fall;59(3):345–60

Depression and helplessness-induced cognitive deficits in the aged. Kennelly KJ, et al. **Exp Aging Res** 1985 Autumn-Winter;11(3–4):169–73

[Image deficit of psychosomatic patients: study with an association experiment] Kawai T. **Nervenarzt** 1985 Sep; 56(9):492–7 (Ger)

WORK

see related
EFFICIENCY

Injury incidence rates in a paint company on rotating production shifts. Levin L, et al. **Accid Anal Prev** 1985 Feb;17(1):67–73

How predictable is the postoperative work resumption after aortocoronary bypass surgery? Sergeant P, et al. **Acta Cardiol (Brux)** 1986;41(1):41–52

Occupational health aspects of unusual work schedules: a

review of Exxon's experiences. Brief RS, et al. **Am Ind Hyg Assoc J** 1986 Apr;47(4):199–202
Physiological strain in work with gas protective clothing at low ambient temperature. Smolander J, et al. **Am Ind Hyg Assoc J** 1985 Dec;46(12):720–3
Work response of mildly mentally retarded adults to self- versus external regulation as a function of motivational orientation. Haywood HC, et al. **Am J Ment Defic** 1985 Sep;90(2):151–9
Circadian principles and design of rotating shift work schedules. Turek FW. **Am J Physiol** 1986 Sep;251(3 Pt 2):R636–8
The prevalence and health impact of shiftwork. Gordon NP, et al. **Am J Public Health** 1986 Oct;76(10):1225–8
Circulatory responses to work at simulated altitudes under different ambient temperatures. Katsuura T. **Ann Physiol Anthropol** 1985 Apr;4(2):115–22
Effects of physiological conditions upon the heart rate response during submaximal work. Nohmi Y, et al. **Ann Physiol Anthropol** 1985 Jul;4(3):233–8
Return to work following hand burns. Helm PA, et al. **Arch Phys Med Rehabil** 1986 May;67(5):297–8
Performance overnight in shiftworkers operating a day–night schedule. Borland RG, et al. **Aviat Space Environ Med** 1986 Mar;57(3):241–9
Physiological reflections of mental workload. Hancock PA, et al. **Aviat Space Environ Med** 1985 Nov;56(11):1110–4 (33 ref.)
A review of 100 patients with ankylosing spondylitis with particular reference to socio–economic effects. Wordsworth BP, et al. **Br J Rheumatol** 1986 May; 25(2):175–80
Working with visual display units [editorial] Lee WR. **Br Med J [Clin Res]** 1985 Oct 12;291(6501):989–91
AIDS and fitness for work [letter] Noel GE, et al. **Can Med Assoc J** 1986 May 15;134(10):1109–10
Coping strategies used by nurses on night duty. Adams J, et al. **Ergonomics** 1986 Feb;29(2):185–96
A comparison of dynamic– and static–strength models for prediction of lifting capacity. Aghazadeh F, et al. **Ergonomics** 1985 Oct;28(10):1409–17
Mental and physical components of sawmill operatives' workload. Fibiger W, et al. **Ergonomics** 1986 Mar; 29(3):363–75
Shiftwork, stress, and psychosomatic complaints: a comparison between workers in different shiftwork schedules, non–shiftworkers, and former shiftworkers. Frese M, et al. **Ergonomics** 1986 Jan;29(1):99–114
Evaluation of forces on the lumbo–sacral joint and assessment of work and energy transfers in nursing aides lifting patients. Gagnon M, et al. **Ergonomics** 1986 Mar; 29(3):407–21
Gender, alcohol, pacing and incentive effects on an electronics assembly task. Price DL, et al. **Ergonomics** 1986 Mar;29(3):393–406
An evaluation of a tiltable office chair with respect to seat height, backrest position and task. Bendix T, et al. **Eur J Appl Physiol** 1986;55(1):30–6
A comparison of the effects of mixed static and dynamic work with mainly dynamic work in hot conditions. Randle IP, et al. **Eur J Appl Physiol** 1985;54(2):201–6
Muscular performance during seated work elevated by two different EMG methods. Winkel J, et al. **Eur J Appl Physiol** 1986;55(2):167–73
The effect of an unusual workshift on chemical toxicity. II. Studies on the exposure of rats to aniline. Kim YC, et al. **Fundam Appl Toxicol** 1986 Jul;7(1):144–52
A study of the reduction of fatigue impact on productivity through optimal rest break scheduling. Janaro RE, et al. **Hum Factors** 1985 Aug;27(4):459–66
Effect of early childhood undernutrition and child labour on growth and adult nutritional status of rural Indian boys around Hyderabad. Satyanarayana K, et al. **Hum Nutr Clin Nutr** 1986 Mar;40(2):131–9
Physiology of work in the mountains: problems and prospects. Aidaraliev AA. **Hum Physiol** 1984 Jan–Feb; 10(1):8–11
Cold vasodilatation in persons chronically exposed to low positive temperatures. Gedymin MYu, et al. **Hum Physiol** 1984 Jan–Feb;10(1):24–9
Dynamics of circulation during expedition tour of duty. Krivoshchekov SG, et al. **Hum Physiol** 1984 Jan–Feb; 10(1):42–8
Functional state during work, working capacity, and health in man. Solonin YuG, et al. **Hum Physiol** 1984 Jan–Feb; 10(1):36–41
Effect of prolonged physical work of submaximal and extremal power on mass transfer and utilization of oxygen. Udovichenko YuK, et al. **Hum Physiol** 1985 Nov–Dec; 11(6):394–400
Optimization of night and shiftwork plans among policemen in Kuwait: a field experiment. Attia M, et al. **Int Arch Occup Environ Health** 1985;56(2):81–90
Serum gastrin and pepsinogen in shift workers. Tarquini B, et al. **Int Arch Occup Environ Health** 1986;58(2):99–103
Work intolerance in a horse with thyroid carcinoma. Held JP, et al. **J Am Vet Med Assoc** 1985 Nov 15;187(10):1044–5
Variability of pedalling force—inversely related to force magnitude within the movement cycle but positively correlated to that magnitude as it increases with increased power output. Brooke JD, et al. **J Hum Ergol (Tokyo)** 1984 Dec;13(2):121–8
Work pace and worker physiological cost. Das B. **J Hum Ergol (Tokyo)** 1984 Dec;13(2):129–36
Personal control over work pace—circulatory, neuroendocrine and subjective responses in borderline hypertension. Bohlin G, et al. **J Hypertens** 1986 Jun; 4(3):295–305
Faculty workload: myths and realities. O'Shea HS. **J Nurs Educ** 1986 Jan;25(1):20–5
Correlation of aerobic capacity of Brazilian workers and their physiologic work requirements. Chaffin DB, et al. **J Occup Med** 1986 Jul;28(7):509–13
Activity level of mother's usual occupation and low infant birth weight. Meyer BA, et al. **J Occup Med** 1985 Nov; 27(11):841–7
The evening shift. An occasion for acting out transference phenomena. Hay M, et al. **J Psychosoc Nurs Ment Health Serv** 1985 Oct;23(10):24–30
Circadian arrhythmia: shiftwork, travel and health. Minors DS, et al. **J Soc Occup Med** 1986 Summer;36(2):39–44
Increased risk of ischaemic heart disease in shift workers. Knutsson A, et al. **Lancet** 1986 Jul 12;2(8498):89–92
Accounting for the historical rise in work–disability prevalence. Chirikos TN. **Milbank Q** 1986;64(2):271–301
Marijuana effects and behavioral contingencies. Foltin RW, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;67:355–61
National RMO survey on working hours [letter] Swinburn B. **NZ Med J** 1985 Nov 27;98(791):1015–6
Work and pregnancy. Review of the literature and policy discussion. Chavkin W. **Obstet Gynecol Surv** 1986 Aug; 41(8):467–72 (45 ref.)
Impact of maternal work outside the home during pregnancy on neonatal outcome. Zuckerman BS, et al. **Pediatrics** 1986 Apr;77(4):459–64
Work and defensive processes in small groups: effects of leader gender and authority position. Tischler NG, et al. **Psychiatry** 1986 Aug;49(3):241–52
Work pattern of child health centre nurses in Stockholm. Widlund G, et al. **Scand J Soc Med** 1986;14(2):97–103
Work in pregnancy: its evolving relationship with perinatal outcome (a review). Saurel–Cubizolles MJ, et al. **Soc Sci Med** 1986;22(4):431–42 (81 ref.)
Perception of efforts in working postures. Wangenheim M, et al. **Ups J Med Sci** 1986;91(1):53–66
[Family environment: at home, parents, work, neighborhood and leisure time activities] Deschamps L, et al. **Arch Belg** 1985;43(5–8):336–41 **(Dut)**
[Psychopathology of work, psychobioecologic approach to occupational maltreatment and considerations on the prevention of maladjustment] Amiel R. **Ann Med Psychol (Paris)** 1985 Sep–Oct;143(8):729–51 **(Fre)**
[Stress, work and depression: an attempt at conceptualization] Amiel R. **Arch Belg** 1986;44(3–4):108–19 **(Fre)**
[The family environment. Parents and close relations, home, work, leisure] Zwick J, et al. **Arch Belg** 1985;43(5–8):342–6 **(Fre)**
[Microclimate and duration of work tolerance in hothouse for cultivation of tropical plants] Terzi R, et al. **G Ital Med Lav** 1983 Nov;5(6):255–8 (Eng. Abstr.) **(Ita)**
[Vision and work. II: A method of a study of visual function at work] Piccoli B, et al. **Med Lav** 1985 May–Jun; 76(3):238–45 (Eng. Abstr.) **(Ita)**
[Physical work in pregnancy in relation to premature birth] Cipolla L, et al. **Minerva Ginecol** 1986 Jan–Feb; 38(1–2):85–91 (Eng. Abstr.) **(Ita)**
[Racial comparison of physiological responses during work in a hot–humid environment] Matsuda K, et al. **Ann Physiol Anthropol** 1985 Jan;4(1):71–3 **(Jpn)**
[Anxiety symptoms and their association with work environment and other factors] Abe K, et al. **Sangyo Ika Daigaku Zasshi** 1986 Mar 20;8 Suppl:189–93 (Eng. Abstr.) **(Jpn)**
[Correlations between depression and work problem of workers] Suzuki T, et al. **Sangyo Ika Daigaku Zasshi** 1986 Mar 20;8 Suppl:195–203 (Eng. Abstr.) **(Jpn)**
[Man and night work. I. The adaptability of human circadian biorhythms] Silion I. **Rev Med Chir Soc Med Nat Iasi** 1985 Oct–Dec;89(4):581–5 (0 ref.) **(Rum)**
[Dysadaptation to night–shift work and the human thermal circadian biorhythm] Silion I, et al. **Rev Med Chir Soc Med Nat Iasi** 1984 Jul–Sep;88(3):511–3 (Eng. Abstr.) **(Rum)**
[Risk of arterial hypertension and features of the functional asymmetry of the brain among workers commuting to far north shifts] Leutin VP, et al. **Fiziol Cheloveka** 1985 Nov–Dec;11(6):923–6 **(Rus)**
[Evaluation of emotional stress during work based on systemic analysis of the galvanic skin reaction] Rakov GK, et al. **Fiziol Cheloveka** 1985 May–Jun;11(3):463–9 **(Rus)**
[Effect of the prework period on adaptive and compensatory indices of scientific researchers] Akhundov VIu, et al. **Gig Sanit** 1985 Jul;(7):90–1 **(Rus)**
[Hygienic evaluation of working conditions, nutrition and health status of female workers on a dairy farm] Bereznlak IV, et al. **Gig Sanit** 1985 Jul;(7):8–10 (Eng. Abstr.) **(Rus)**
[Characteristics of the work and health status of female workers manufacturing items from plastics] Chizhova TV. **Gig Sanit** 1986 Jun;(6):88–9 **(Rus)**
[Physiological and hygienic characteristics of the team form of work and rest organization for sailors] Evstaf'ev VN, et al. **Gig Sanit** 1986 Feb;(2):21–3 (Eng. Abstr.) **(Rus)**
[Dependence of changes in lipid metabolic indices on their initial level in air traffic controllers during their professional activities] Kan GS, et al. **Gig Sanit** 1985 Oct;(10):70–3 **(Rus)**
[Factors in the body adaptation of adolescents to working conditions during training in vocational and technical schools] Kruglova II, et al. **Gig Sanit** 1985 Jul;(7):35–7 (Eng. Abstr.) **(Rus)**
[Comparative hygienic characteristics of the working conditions in carpet factories located in different climatic zones] Masharipov R. **Gig Sanit** 1985 Jul;(7):76–7 **(Rus)**
[Combined action of carbon monoxide and dioxide with humans working in hermetically sealed enclosures] Sedov AV, et al. **Gig Sanit** 1985 Dec;(12):17–9 (Eng. Abstr.) **(Rus)**
[New approaches in the hygienic evaluation of work loads of schoolchildren] Sorokina TN, et al. **Gig Sanit** 1985 Jul; (7):37–9 **(Rus)**
[Rational work chair for glass polishers] Chebanova OV, et al. **Gig Tr Prof Zabol** 1986 Apr;(4):13–7 (Eng. Abstr.) **(Rus)**
[Changes in the functional status of normotensive and hypertensive supervisory personnel in industry during the work day and work week] Gudkova TI. **Gig Tr Prof Zabol** 1986 Apr;(4):10–3 (Eng. Abstr.) **(Rus)**
[Biological rhythms and human work activity] Smirnov KM. **Gig Tr Prof Zabol** 1986 Apr;(4):1–5 (Eng. Abstr.) **(Rus)**
[Characteristics of the work of district pediatricians] Manafov IT, et al. **Sov Zdravookhr** 1986;(2):16–8 (Eng. Abstr.) **(Rus)**
[Improvement in the structure and organizational forms of the work of prophylaxis departments] Minakov VF, et al. **Sov Zdravookhr** 1986;(2):6–10 **(Rus)**
[Improved working conditions for the paramedical and junior medical personnel of polyclinics] Miniaev VA, et al. **Sov Zdravookhr** 1986;(2):18–21 (Eng. Abstr.) **(Rus)**
[Expert assessment of the work of the local practitioner in a district dental polyclinic] Vasil'eva RP. **Stomatologiia (Mosk)** 1986 May–Jun;65(3):76–7 **(Rus)**
[Effect of precision work on the eye] Chernysheva SG. **Vestn Oftalmol** 1986 Jan–Feb;102(1):59–62 (74 ref.) **(Rus)**
[Planning the work of a unit's medical service (1)] Sidel'nikov AI. **Voen Med Zh** 1985 Oct;(10):23–7 **(Rus)**
[Planning the work of a unit's medical service (2)] Sidel'nikov AI. **Voen Med Zh** 1985 Nov;(11):26–30 **(Rus)**
[Work organization of the infectious disease department of a district military hospital] Tarasov VI. **Voen Med Zh** 1986 Mar;(3):8–10 **(Rus)**
[Energy expenditure of the workers of the Chimkent industrial combine, Phosphorus] Tkach NZ, et al. **Vopr Pitan** 1986 Jan–Feb;(1):70–1 **(Rus)**
[Establishment of the optimal and permissible microclimate parameters for work connected with neuro–emotional tension] Shleifman FM, et al. **Vrach Delo** 1985 Jul; (7):107–10 (Eng. Abstr.) **(Rus)**

WORK CAPACITY EVALUATION

Work potential evaluation in mental health. Andersen AP. **Am J Occup Ther** 1985 Oct;39(10):659–63
The Purdue Pegboard: its predictive validity for work potential of persons with mental retardation [letter] Neeman M. **Am J Occup Ther** 1986 Jun;40(6):433–4
The predictive validity of the functional capacities evaluation. Smith SL, et al. **Am J Occup Ther** 1986 Aug; 40(8):564–7
Ramp–function work test suitable for automatic computation. Samuelsson PJ, et al. **Clin Physiol** 1986 Feb;6(1):53–62
Fitness for work: bridging the gap in ergonomics. Boudri HC. **Ergonomics** 1985 Aug;28(8):1179–84
A psychophysical study of the effects of load and frequency upon selection of workload in repetitive lifting. Nicholson LM, et al. **Ergonomics** 1986 Jul;29(7):903–11
Subjective comfort vote and air temperature as predictors of performance in factory workers. Meese GB, et al. **Eur J Appl Physiol** 1986;55(2):195–7
Morphological methods of qualification for tractor–driver profession. Application of anthropometric methods of body examination. Gościcka D, et al. **Folia Morphol (Warsz)** 1985;44(1):71–4
Work therapy and return to work. Ballard M, et al. **Hand Clin** 1986 Feb;2(1):247–58
Informativeness of EEG data in prediction of working capacity of operators. Bagrova ND, et al. **Hum Physiol** 1984 Jan–Feb;10(1):18–23
Types of working capacity and frequency of development of ischemic heart disease and essential hypertension. Borisova IYu, et al. **Hum Physiol** 1985 Sep–Oct;11(5):322–6
Evaluation of work capability: an example from American Samoa. Greksa LP. **J Hum Ergol (Tokyo)** 1985 Sep; 14(1):23–32
The "key–form" system for data collection in disability evaluation. Ring H, et al. **Scand J Rehabil Med [Suppl]** 1985;12:139–42
A system for evaluating the earning capacity of the disabled. Ring H, et al. **Scand J Rehabil Med [Suppl]** 1985;12:134–8
Objective assessment of spine function following industrial injury. A prospective study with comparison group and one–year follow–up. Mayer TG, et al. **Spine** 1985 Jul–Aug; 10(6):482–93

[Physical work capacity under different levels of measured stress in relation to type-A personality in intellectual workers] Mincheva L, et al. **Probl Khig** 1985;10:20–32 (Eng. Abstr.) (Bul)

[Longitudinal study of work capacity limitation in patients with ischemic heart disease before and after aortocoronary bypass surgery] Barták K, et al. **Cas Lek Cesk** 1986 May 2;125(18):554–9 (Eng. Abstr.) (Cse)

[Work capacity in men after pacemaker implantation] Janoušek S, et al. **Vnitr Lek** 1986 Apr;32(4):343–8 (Eng. Abstr.) (Cse)

[Duration of occupational incapacity after injuries resulting in arthrodesis around the talus] Hansen BA. **Ugeskr Laeger** 1985 Oct 21;147(43):3434–6 (Eng. Abstr.) (Dan)

[The rehabilitation capacity following reconstructive vascular surgery of the lower limbs illustrated by qualitative data] Jenstrup MT, et al. **Ugeskr Laeger** 1985 Aug 26;147(35):2763–5 (Eng. Abstr.) (Dan)

[Disregard of the early anamnesis] Beets N. **Ned Tijdschr Geneeskd** 1985 Aug 10;129(32):1515–7 (Dut)

[Evaluation of pregnant patients for fitness for government service] Curio F. **Off Gesundheitswes** 1986 May;48(5):232–5 (Eng. Abstr.) (Ger)

[Psychological military fitness—a catamnestic study] Wille A. **Schweiz Arch Neurol Psychiatr** 1986;137(3):75–87 (Eng. Abstr.) (Ger)

[Physician and social insurance] Schuler C. **Ther Umsch** 1985 Sep;42(9):568–71 (Eng. Abstr.) (Ger)

[Measures for age adequate adjustment of work conditions] Friedrich W. **Z Gerontol** 1985 Sep–Oct;18(5):274–80 (Eng. Abstr.) (Ger)

[Physical development and functional capacity of adolescents in the transition from school to vocational training] Hartmann B, et al. **Z Gesamte Hyg** 1986 May;32(5):304–6 (Eng. Abstr.) (Ger)

[Value of occupational medicine fitness and monitoring studies in adolescents with regard to prevention of occupationally-induced diseases] Hartmann B, et al. **Z Gesamte Hyg** 1986 May;32(5):307–9 (Eng. Abstr.) (Ger)

[Occupational physiologic limits of continuous performance of male adolescents between the ages of 16 and 18] Pfister E. **Z Gesamte Hyg** 1986 May;32(5):310–2 (Eng. Abstr.) (Ger)

[Experimental determination of muscular work capacity for repetitive static work in a predetermined work–rest rhythm] Pflugbeil C, et al. **Z Gesamte Hyg** 1985 Jul;31(7):436–9 (Eng. Abstr.) (Ger)

[Various trends in studies of physical fitness in sports] Emmerich J. **Acta Physiol Pol** 1984;35 Suppl 27:172–80 (Pol)

[Criteria of the usefulness of the methods of work capacity evaluation in occupational medicine] Gwóźdź B. **Acta Physiol Pol** 1984;35 Suppl 27:167–71 (Pol)

[Application of radioelectrocardiography in the evaluation of physical work capacity and the qualification of individuals for work] Bielski J, et al. **Pol Tyg Lek** 1986 Apr 14;41(15):495–7 (Eng. Abstr.) (Pol)

[Changes in the psychophysical fitness of schoolchildren during a 5-day school week] Zdunkiewicz L, et al. **Rocz Panstw Zakl Hig** 1985;36(5):411–5 (Eng. Abstr.) (Pol)

[Educational and professional development of schizophrenics] Lăzărescu M, et al. **Rev Med Interna [Neurol Psihiatr]** 1985 Oct–Dec;30(4):275–84 (Eng. Abstr.) (Rum)

[Evaluation of the functional status of operators according to indices of their mental work capacity] Burov AIu. **Fiziol Cheloveka** 1986 Mar–Apr;12(2):281–8 (Rus)

[Use of a linguistic test during massive physiologic selection for work in extreme circumstances] Medvedev VI, et al. **Fiziol Cheloveka** 1985 Sep–Oct;11(5):861–2 (Rus)

[Express method of assessing operator work capacity] Nechaeva LA, et al. **Fiziol Cheloveka** 1986 May–Jun;12(3):469–75 (Rus)

[A device for determining experimental mechanical work performed by small laboratory animals] Seredenko MM, et al. **Fiziol Zh** 1985 Jul–Aug;31(4):506–7 (Rus)

[Diaphoretic reflex as part of a complex of methods for evaluating operator work capacity] Slyn'ko PP, et al. **Fiziol Zh** 1985 Nov–Dec;31(6):678–82 (Eng. Abstr.) (Rus)

[Effect of blood donation on the level of physical activity of sportsmen] Bolchuk LV, et al. **Gematol Transfuziol** 1985 Jul;30(7):45–8 (Eng. Abstr.) (Rus)

[Physical work capacity of patients with iron deficiency anemia] Kirilenko NP. **Gematol Transfuziol** 1986 Mar;31(3):40–2 (Eng. Abstr.) (Rus)

[Physical work capacity and physical fitness of rural schoolchildren in the Moscow district] Abrosimova LI, et al. **Gig Sanit** 1985 Sep;(9):44–6 (Eng. Abstr.) (Rus)

[Body functional indices of workers operating marine gas fields] Alekperov II, et al. **Gig Sanit** 1986 Apr;(4):88–9 (Rus)

[Effect of social, psychological, physiological and medical indicators on work capacity] Buzunov VA, et al. **Gig Sanit** 1985 Sep;(9):49–52 (Rus)

[Health status and work capacity of younger schoolchildren attending classes in a "school town"] Glushchenko AG, et al. **Gig Sanit** 1986 May;(5):19–21 (Eng. Abstr.) (Rus)

[Effect of occupational factors on physical work capacity based on functional ergometry research data] Kundiev IuI, et al. **Gig Sanit** 1985 Oct;(10):18–21 (Eng. Abstr.) (Rus)

[Physiological evaluation of the work of watchmen at pontoon oil-drilling rigs in the Caspian Sea] Alekperov II, et al. **Gig Tr Prof Zabol** 1986 Jul;(7):15–8 (Eng. Abstr.) (Rus)

[Age and features of the work capacity of shipwrights] Bakalelnikova VL, et al. **Gig Tr Prof Zabol** 1985 Dec;(12):20–2 (Eng. Abstr.) (Rus)

[Effect of alcohol on human psychophysiological function and work capacity (chronophysiological research)] Latenkov VP. **Gig Tr Prof Zabol** 1985 Aug;(8):1–5 (Eng. Abstr.) (Rus)

[Methodological basis of the occupational screening of persons with poor visi[illegible] for assembly line work] Linetskii SG, et al. **Gig Tr Prof Zabol** 1986 Jun;(6):48–50 (Rus)

[Evaluation of physical work capacity of coal miners with a history of acute respiratory disease] Perederii GS, et al. **Gig Tr Prof Zabol** 1986 Feb;(2):12–5 (Eng. Abstr.) (Rus)

[Effect of the level of general physical work capacity on various indicators of lipid and carbohydrate metabolism in persons with low professional motor activity] Piktelite OS. **Gig Tr Prof Zabol** 1985 Jul;(7):56–7 (Rus)

[Evaluation of the thermal status and work capacity of humans wearing oil-protective clothing made of antistatic elastic artificial leather] Sheverdiaev ON, et al. **Gig Tr Prof Zabol** 1985 Oct;(10):12–5 (Rus)

[Interrelations between work capacity and the indicators of central and cerebral hemodynamics in patients with hypertension during hypotensive treatment] Sidorenko GI, et al. **Kardiologiia** 1985 Oct;25(10):104–7 (Eng. Abstr.) (Rus)

[Dynamics of physical work capacity in patients with hypertension after long-term hypotensive therapy] Tsikulin AE. **Kardiologiia** 1985 Jun;25(6):43–6 (Eng. Abstr.) (Rus)

[Medical expert evaluation of work capacity and surgical treatment of patients with varicose veins of lower limbs] Ivanov SS, et al. **Klin Med (Mosk)** 1985 Oct;63(10):62–5 (Rus)

[Characteristics of the course of ischemic heart disease and physical exertion tolerance as prognostic criteria] Lipovetskii BM. **Klin Med (Mosk)** 1985 Oct;63(10):119–22 (Eng. Abstr.) (Rus)

[Use of flying tests for evaluating functional capabilities of pilots] Bodrov VA, et al. **Kosm Biol Aviakosm Med** 1985 Jul–Aug;19(4):26–9 (Eng. Abstr.) (Rus)

[Various aspects of determining physical work capacity of humans in hyperbaric environment] Briantseva LA, et al. **Kosm Biol Aviakosm Med** 1985 Jul–Aug;19(4):11–9 (Eng. Abstr.) (Rus)

[Work capacity of the operators of the tracking system during anti-orthostatic hypokinesia] Khachatur'iants LS, et al. **Kosm Biol Aviakosm Med** 1986 May–Jun;20(3):36–9 (Eng. Abstr.) (Rus)

[Evaluation of physical work capacity of the astronauts on Saliut-6] Tishler VA, et al. **Kosm Biol Aviakosm Med** 1986 May–Jun;20(3):31–5 (Eng. Abstr.) (Rus)

[Dynamics of the bioelectrical activity of human brain during continuous work] Tychina VP, et al. **Kosm Biol Aviakosm Med** 1986 May–Jun;20(3):88–91 (Eng. Abstr.) (Rus)

[Ergometric methods of examination] Utkin VL. **Med Tekh** 1985 Nov–Dec;(6):6–12 (Eng. Abstr.) (Rus)

[The occupational medicine expert's evaluation of the working capacity of workers disabled as a consequence of active pulmonary tuberculosis] **Probl Tuberk** 1985;(9):70–3 (Rus)

[Physical work capacity in persons with a history of myocarditis as seen in the practice of a physician rheumatologist] Kotliarova LA, et al. **Revmatologiia (Moskva)** 1986 Jan–Mar;(1):32–5 (Eng. Abstr.) (Rus)

[Physical work capacity and characteristics of adaptive reactions in patients with combined mitral heart defects at the compensation stage based on data from the oxygen work regimen] Valevskii SF. **Revmatologiia (Moskva)** 1985 Apr–Jun;(2):52–5 (Eng. Abstr.) (Rus)

[Training leaders of rural medical institutions on the assessment of work capacity] Shapiro IIa, et al. **Sov Zdravookhr** 1985;(6):34–8 (Rus)

[Dynamics of the work capacity of patients with variants of systemic lupus erythematosus, determined by the Expert Commission on Occupational Medicine] Tarasov AN, et al. **Ter Arkh** 1985;57(8):85–8 (Rus)

[Effect of tobacco smoking on visual work capacity] Niurenberg OIu. **Vestn Oftalmol** 1986 Jan–Feb;102(1):42–4 (Eng. Abstr.) (Rus)

[Effect of tsentedrin on the work capacity of operator specialists] Bakharev VD, et al. **Voen Med Zh** 1986 Mar;(3):44–5 (Rus)

[Physical development and work capacity of students during training] Bespalov VV, et al. **Voen Med Zh** 1986 Feb;(2):34–6 (Rus)

[Evaluation of the restoration of work capacity in operators with a history of angina and acute respiratory diseases] Lobzin IuV, et al. **Voen Med Zh** 1986 Mar;(3):46–7 (Rus)

[Use of gymnastic exercises for increasing the work capacity of sailors on a cruise] Piskunov MI, et al. **Voen Med Zh** 1986 Apr;(4):42 (Rus)

[Occupational work capacity of flight crew members after recovering from viral hepatitis] Topuriia GI, et al. **Voen Med Zh** 1985 Dec;(12):42 (Rus)

[Importance of correcting the protein, fat and vitamin content of the diets for the work capacity of young people during exams] Kerimova MG, et al. **Vopr Pitan** 1985 Nov–Dec;(6):12–6 (Eng. Abstr.) (Rus)

[Prognostic significance for disability of catatono-delusional and catatonic psychoses in epilepsy patients] Kondratenko RP, et al. **Zh Nevropatol Psikhiatr** 1986;86(6):825–9 (Eng. Abstr.) (Rus)

[Evaluation of the work capacity of tuberculosis patients] Rebić P. **Srp Arh Celok Lek** 1984 Nov–Dec;112(11–12):1159–66 (Eng. Abstr.) (Scc)

[The effect of a general physician on improving work capacity evaluation by an ambulatory care team] Klimo F, et al. **Cesk Zdrav** 1986 Feb;34(2):76–8 (Eng. Abstr.) (Slo)

[Functional evaluation of incapacity secondary to respiratory diseases] Bello S. **Rev Med Chil** 1985 Oct;113(10):1035–41 (Eng. Abstr.) (Spa)

METHODS

[Practical methods of estimating physical capacity for work] Manero Alfert R, et al. **Bol Of Sanit Panam** 1986 Feb;100(2):170–82 (Eng. Abstr.) (Spa)

WORK OF BREATHING

A cautionary note on the interpretation of the power law for respiratory effort. Harver A, et al. **Am Rev Respir Dis** 1986 Feb;133(2):341–2

Breathlessness and exercise in patients with cardiorespiratory disease. Leblanc P, et al. **Am Rev Respir Dis** 1986 Jan;133(1):21–5

The extra work of breathing through adult endotracheal tubes. Bolder PM, et al. **Anesth Analg** 1986 Aug;65(8):853–9

Inspiratory work with and without continuous positive airway pressure in patients with acute respiratory failure. Katz JA, et al. **Anesthesiology** 1985 Dec;63(6):598–607

CPAP with minimal work of breathing [letter] Hillman DR, et al. **Chest** 1986 Jul;90(1):151

Diurnal variation of dynamic compliance, resistance and viscous work of breathing in normal horses and horses with lung disorders. Stadler P, et al. **Equine Vet J** 1986 May;18(3):171–8

The importance of the balloon reservoir volume of a CPAP system in reducing the work of breathing. Bahouty ZH, et al. **Intensive Care Med** 1986;12(3):153–6

Influence of lung volume on oxygen cost of resistive breathing. Collett PW, et al. **J Appl Physiol** 1986 Jul;61(1):16–24

Effect of inspiratory nasal loading on pharyngeal resistance. Gleeson K, et al. **J Appl Physiol** 1986 Jun;60(6):1882–6

Effects of inspiratory resistance loading on lung fluid balance in awake sheep. Loyd JE, et al. **J Appl Physiol** 1986 Jan;60(1):198–203

Mean airway opening pressure as an index of inspiratory muscle task intensity. McCool FD, et al. **J Appl Physiol** 1986 Jan;60(1):304–6

Vasodilator reserve in respiratory muscles during maximal exertion in ponies. Manohar M. **J Appl Physiol** 1986 May;60(5):1571–7

Hemodynamic effects of resistive breathing. Olgiati R, et al. **J Appl Physiol** 1986 Mar;60(3):846–53

Control of larynx during loaded breathing in normal subjects. Sekizawa K, et al. **J Appl Physiol** 1986 Jun;60(6):1887–93

Caffeine effect on respiratory muscle endurance and sense of effort during loaded breathing. Supinski GS, et al. **J Appl Physiol** 1986 Jun;60(6):2040–7

[The effects of training of the respiratory muscles in normal individuals and patients with reduced respiratory muscle capacity] Estrup C, et al. **Ugeskr Laeger** 1986 May 26;148(22):1345–9 (Eng. Abstr.) (Dan)

[Work of breathing in spontaneous respiration with continuous positive airway pressure] Kellermann W, et al. **Schweiz Med Wochenschr** 1986 Apr 26;116(17):561–5 (Eng. Abstr.) (Ger)

WORK SATISFACTION see **JOB SATISFACTION**

WORK SCHEDULE TOLERANCE see under **WORK**

WORK SIMPLIFICATION

[Method of calculating corner measurements of lamp shades in cockpits] Lekarev AV. **Kosm Biol Aviakosm Med** 1985 Jul–Aug;19(4):81–3 (Rus)

WORKMEN'S COMPENSATION

see related

DISABILITY EVALUATION

Two comments received on occupational disease compensation [letter] **Am J Public Health** 1986 Sep;76(9):1152–3

The role of the primary physician in disability determination for Social Security insurance and workers' compensation. Carey TS, et al. **Ann Intern Med** 1986 May;104(5):706–10

Significant workers' compensation losses at Straub Clinic and Hospital, Inc.—Honolulu, Hawaii. Cashman TM, et al.

Hawaii Med J 1986 Apr;45(4):98–100

The diagnosis of personality disorder: a comparison of MMPI profile, Million Inventory, and clinical judgment in a Workers' Compensation population. Repko GR, et al. **J Clin Psychol** 1985 Nov;41(6):867–81

Approach to asbestos worker compensation plan alleged to be flawed [letter] Kelsey KT, et al. **J Occup Med** 1985 Nov;27(11):790–1

Criticism of mathematical approach to compensatory issue [letter] Shusterman D. **J Occup Med** 1985 Dec;27(12):861–2

The mythology of occupational disease consumption. Brown TC. **J Public Health Policy** 1985 Sep;6(3):371–8

Psychiatry, compensation and rehabilitation [letter] **Med J Aust** 1986 May 12;144(10):557–8

Pèlerin again [letter] **Med J Aust** 1986 Jan 20;144(2):111–2

Employers can reduce absenteeism, compensation by preventing dermatitis. Strasser AL. **Occup Health Saf** 1986 Jan;55(1):80

Unraveling the effects of compensation, litigation, and employment on treatment response in chronic pain. Dworkin RH, et al. **Pain** 1985 Sep;23(1):49–59

The role of compensation in chronic pain: analysis using a new method of scoring the McGill Pain Questionnaire. Melzack R, et al. **Pain** 1985 Oct;23(2):101–12

Causation and financial compensation. Kotin P. **Regul Toxicol Pharmacol** 1986 Jun;6(2):108–15

Rules of inference in epidemiology. Susser M. **Regul Toxicol Pharmacol** 1986 Jun;6(2):116–28

Chemonucleolysis versus surgical discectomy. Comparison of costs and results in workers' compensation claimants. Norton WL. **Spine** 1986 Jun;11(5):440–3

The relationship of disability to compensation status in railroad workers. Sander RA, et al. **Spine** 1986 Mar; 11(2):141–3

Industrial benefits and respiratory diseases [editorial] Ward FG. **Thorax** 1986 Apr;41(4):257–60

Death and disability benefits: effective financial management. Jacobsen ML. **Top Health Care Financ** 1986 Summer; 12(4):84–90

Workers compensation and liability perspectives of multiline carriers. Mittelmann M. **Trans Assoc Life Insur Med Dir Am** 1985;68:165–77

Compensation problems of Jamaican farm workers injured whilst working in the U.S.A. Golding JS. **West Indian Med J** 1985 Dec;34(4):217–9

[Psychiatric evaluation of disability insurance applicants] Schneeberger E. **Schweiz Rundsch Med Prax** 1986 Mar 18; 75(12):315–23 **(Ger)**

ECONOMICS

[Problems concerning sick pay in Hungary] Balló R. **Orv Hetil** 1986 Jun 15;127(24):1459–62 (Eng. Abstr.) **(Hun)**

LEGISLATION & JURISPRUDENCE

Compensation for occupational disease with multiple causes: the case of coal miners' respiratory diseases. Weeks JL, et al. **Am J Public Health** 1986 Jan;76(1):58–61

Compensation of victims exposed to environmental pollutants. Kimbrough RD, et al. **Arch Environ Health** 1986 May–Jun;41(3):185–9

The Mental–Mental Muddle and Work Comp in Oregon. II. Colbach EM. **Bull Am Acad Psychiatry Law** 1985; 13(3):253–8

Workers' compensation claims for stress-related disorders. Davis JA. **J Occup Med** 1985 Nov;27(11):821–5

The physician and worker's compensation in the state of Oklahoma. Ellis JW. **J Okla State Med Assoc** 1986 Apr; 79(4):237–40

Psychiatry, compensation and rehabilitation. Judd FK, et al. **Med J Aust** 1986 Feb 3;144(3):131, 133–5

The dual capacity doctrine when you treat an injured employee you may incur a legal trick. Hirsh HL, et al. **Med Law** 1986;5(1):45–60

Workers' Compensation embraces psychiatry. Monroe P, et al. **Med Law** 1985;4(5):447–52

Through cooperation, working with lawyers can go smoothly. Wang CC. **Occup Health Saf** 1986 Jun;55(6):48, 50

Thermography—a legal overview. Hodge SD Jr. **Postgrad Med** 1986 Mar;Spec No:100–3

Are you obeying the law? Hadley J. **Vet Rec** 1986 Jul 5; 119(1):7

[Legal problems in the acknowledgement and indemnification of occupational diseases] Elenkova L. **Probl Khig** 1985; 10:150–1 **(Bul)**

[Can we imagine a mode of compensation of ocular damage applicable without excessive disparity to the different nations?] Guillaumat L, et al. **Bull Soc Ophtalmol Fr** 1985 Mar;85(3):373–6 **(Fre)**

[Occupational diseases in Italy: current status and open problems] Galasso F, et al. **Med Lav** 1985 Nov–Dec; 76(6):521–8 (Eng. Abstr.) **(Ita)**

TRENDS

Employers must reorganize, integrate workers' compensation plans. Polakoff PL. **Occup Health Saf** 1986 Jan;55(1):36,38

Workers' compensation: coverage, benefits, and costs, 1983. Price DN. **Soc Secur Bull** 1986 Feb;49(2):5–11

WORLD HEALTH

The acquired immunodeficiency syndrome (AIDS): memorandum from a WHO meeting. **Bull WHO** 1985; 63(4):667–72

The "anti-health forces"Hindson P. **Hygie** 1985 Dec;4(4):8–9

"Health for all". Issues raised at the 12th World Conference. Tolsma D. **Hygie** 1985 Dec;4(4):5–7

Food, nutrition, and agriculture: a liaison for world development. Harper LJ. **J Am Diet Assoc** 1986 Mar; 86(3):345–51 (37 ref.)

AIDS: a serious challenge to public health. Ghosh TK. **J Indian Med Assoc** 1986 Jan;84(1):29–30

Healthy youth—our best resource. Roy BN. **J Indian Med Assoc** 1985 Apr;83(4):131–4

The political economy of famine. Hay RW. **Nutr Health** 1986; 4(2):71–82

Towards better nutrition: lip service or a realistic fight? Ritchie JA. **Nutr Health** 1986;4(2):113–23

General practitioners for all in the year of 2000? Some reflections after the 10. WONCA World Conference on Family Medicine. Singapore, 20–24 May 1983. Bruusgaard D. **Scand J Prim Health Care** 1983;1(3–4):145–6

Medical research as an instrument to support the "health for all" concept of the World Health Organization. Fliedner T. **Verh K Acad Geneeskd Belg** 1985;47(6):499–506

Seventy-seventh session of the WHO Executive Board. Highlights of the Executive Board. **WHO Chron** 1986; 40(2):47–56

Sessions of the WHO Regional Committees—3. **WHO Chron** 1986;40(2):66–73

Targeting on health for all. Mahler H. **WHO Chron** 1985; 39(6):219–22

The International Drinking Water Supply and Sanitation Decade. Review of regional and global data (as at 31 December 1983). **WHO Offset Publ** 1986;(92):1–30 (0 ref.)

Young people's health—a challenge for society. Report of a WHO Study Group on young people and "Health for All by the Year 2000". **WHO Tech Rep Ser** 1986;731:1–117

[Evaluation of world health: current status] Berthet E. **Hygie** 1985 Dec;4(4):48–54 (Eng. Abstr.) **(Fre)**

[World Health Organization (WHO): far-reaching as a caller in the desert] Keil TU. **Fortschr Med** 1985 Nov 28; 103(44):60–1 **(Ger)**

[Strategy for global and regional control of animal diseases] Griffiths RB. **Ann Ist Super Sanita** 1984;20(4):257–60 (Eng. Abstr.) **(Ita)**

[Drug addiction on a world-wide scale during the last 5 years in the light of the report of the International Committee for Narcotics Control] Toboiska-Rydz H. **Pol Tyg Lek** 1985 Dec 2;40(48):1358–60 **(Pol)**

[Antibiotic resistance: a world health problem we cannot ignore] Kunin CM. **Rev Med Chil** 1985 Aug;113(8):804–5 (Eng. Abstr.) **(Spa)**

TRENDS

[Hereditary disease program in the WHO strategy: "Health for all by 2000"] Kuliev AM. **Vestn Akad Med Nauk SSSR** 1985;(10):86–91 **(Rus)**

WORLD HEALTH ORGANIZATION

Immunizations in developing countries. Brès P. **Ann Inst Pasteur Immunol** 1985 Nov–Dec;136D(3):293–9

International drug regulation. Lee PR, et al. **Annu Rev Public Health** 1986;7:217–35 (47 ref.)

Commentary on current World Health Organisation definitions used in perinatal statistics. Chiswick ML. **Arch Dis Child** 1986 Jul;61(7):708–10

WHO seeks coordinated world action against acute respiratory infections. **Bull Pan Am Health Organ** 1985; 19(3):314–5

AIDS and the WHO Collaborating Centres: memorandum from a WHO meeting. **Bull WHO** 1985;63(6):1003–7

WHO report on prevention of oral diseases [letter] Walker AR. **Community Dent Health** 1985 Dec;2(4):319–20

World Health Organization Special Programme of Research, Development and Research Training in Human Reproduction. An international response to a global concern. Diczfalusy E. **Contraception** 1985 Oct; 32(4):323–36

Summary report of Working Group on Training for Quality Assurance. World Health Organization, Regional Office for Europe. Meeting held in Udine, Italy, 25–28 June 1985. **J Adv Nurs** 1986 Jul;11(4):487–9

Who says tobacco's bad for health? WHO! [news] Gunby P. **JAMA** 1986 Feb 28;255(8):1000

Teacher training workshops in education: summary of 15 years' personal experience. Guilbert JJ. **Med Educ** 1985 Sep;19(5):332–43

Control of hepatitis B in the Western Pacific region. Gust ID. **Med J Aust** 1986 Apr 28;144(9):473–4

Evolution of the intensified world effort in malaria research. Nossal GJ. **Papua New Guinea Med J** 1986 Mar;29(1):5–9

Immunizing the world's children. **Popul Rep [L]** 1986 Mar–Apr;(5):L153–71, L174–92 (652 ref.)

Victory over smallpox: interview with Donald A. Henderson. Henderson DA. **Popul Rep [L]** 1986 Mar–Apr;(5):L172–3

Training of the decision-making personnel concerning the problems of organization, planning and management of the primary health care (from the stored knowledge acquired during the training courses of the World Health Organization). Vartanyan FE, et al. **Sante Publique (Bucur)** 1985;28(3):191–6

A pilot study on the use of the World Health Organisation self reporting questionnaires (S.R.Q.) on a Malaysian population. Krishnaswamy S, et al. **Singapore Med J** 1985 Oct;26(6):431–4

Medical sociology and the WHO's programme for Europe. **Soc Sci Med** 1986;22(2):113–284

Inequalities in health: strategies. Hexel PC, et al. **Soc Sci Med** 1986;22(2):151–60

Life-styles and health. Kickbusch I. **Soc Sci Med** 1986; 22(2):117–24

A new-modelled medicine? Comments on the WHO's regional strategy for Europe. Strong PM. **Soc Sci Med** 1986;22(2):193–9

Immunization as a starter for primary health care in developing countries. The role of the World Health Organization. Henderson RH. **Trop Geogr Med** 1985 Sep; 37(3):S69–71

Sessions of the WHO Regional Committees—3. **WHO Chron** 1986;40(2):66–73

Seventy-seventh session of the WHO Executive Board. Highlights of the Executive Board. **WHO Chron** 1986; 40(2):47–56

Health for all: global ACMR debates research strategy. **WHO Chron** 1985;39(2):68–72

WHO Executive Board: highlights of the seventy-fifth session. **WHO Chron** 1985;39(2):57–67

Health costs and financing in the developing countries: WHO's role. Mach EP. **WHO Chron** 1985;39(1):13–8

Monitoring trends in cardiovascular disease and risk factors: the WHO "Monica" project.Tunstall-Pedoe H. **WHO Chron** 1985;39(1):3–5

[The World Health Organization goes full steam ahead in its fight against smoking] Holý J. **Cas Lek Cesk** 1986 Jul 11;125(28):879–80 **(Cze)**

[The expanded WHO vaccination program] Le Gonidec G. **Ann Inst Pasteur Immunol** 1985 Sep–Oct;136D(2):167–74 (Eng. Abstr.) **(Fre)**

[WHO program concerning acute respiratory infections in children] Leowski J. **Bull Int Union Tubere** 1985 Mar–Jun; 60(1–2):55–7 **(Fre)**

[World Health Organization (WHO): far-reaching as a caller in the desert] Keil TU. **Fortschr Med** 1985 Nov 28; 103(44):60–1 **(Ger)**

[Past, present and future of the Veterinary Public Health section of the World Health Organization in the field of food hygiene] Koulikovskii A. **Ann Ist Super Sanita** 1984; 20(4):329–37 (Eng. Abstr.) **(Ita)**

[World Health Organization: viewpoint on the smoking epidemic] **Clin Ter** 1986 Jun 30;117(6):525–9 **(Ita)**

[International survey of the status of dosimetry for controlling quality assurance in radiotherapy (WHO)] Racoveanu NT. **Med Radiol (Mosk)** 1985 Sep;30(9):71–4 (Eng. Abstr.) **(Rus)**

[Use of the WHO periodontal index in epidemiological population research] Leus PA. **Stomatologiia (Mosk)** 1986 Jan–Feb;65(1):84–7 **(Rus)**

[Use of the WHO periodontal index in studying the periodontal morbidity of persons 15 to 25 years old] Pakhomov GN, et al. **Stomatologiia (Mosk)** 1985 Nov–Dec; 64(6):34–8 (Eng. Abstr.) **(Rus)**

[Approaches of the World Health Organization to the prevention of rheumatism and rheumatic heart defects] Dodu SR. **Ter Arkh** 1985;57(11):94–7 **(Rus)**

[Activities of the World Health Organization in preventing foodborne botulism] Kulikovskii AV. **Vopr Pitan** 1985 Sep–Oct;(5):76–8 **(Rus)**

[Experience with the expanded WHO program on immunization against tetanus] Litvinov SK, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Nov;(11):97–103 (48 ref.) **(Rus)**

[Principal results and prospects of the WHO program for biological psychiatry (review)] Morozov PV. **Zh Nevropatol Psikhiatr** 1985;85(8):1249–53 **(Rus)**

HISTORY

The World Health Organization and leprosy. Davey TF. **Lepr Rev** 1977 Dec;48(4):217–21

WOUND HEALING

see related
CICATRIX
GRANULATION TISSUE

Fibronectin—its significance in wound epithelialization. Pospíšilová J, et al. **Acta Chir Plast** 1986;28(2):96–102

Postoperative decrease in suture holding capacity in laparotomy wounds and anastomoses. Högström H, et al. **Acta Chir Scand** 1985;151(6):533–5

Comparison of healing in the left colon and ileum. Changes in collagen content and collagen synthesis in the intestinal wall after ileal and colonic anastomoses in the rat. Jönsson K, et al. **Acta Chir Scand** 1985;151(6):537–41

Healing of ileocolic anastomoses. Breaking strength and collagen content in the intestinal wall after ileocolic resection and anastomosis in the rat. Jönsson K, et al. **Acta Chir Scand** 1985;151(7):629–33

Linear ampullary salpingotomy heals better by secondary versus primary closure. McComb PF. **Acta Eur Fertil** 1985 Nov–Dec;16(6):401–4

Effects of fixation stiffness on fracture healing. External

fixation of tibial osteotomy in the rabbit. Terjesen T, et al. **Acta Orthop Scand** 1986 Apr;57(2):146–8
The behaviour of the tissue pO2 in transparent chambers of rats with and without tumour implantations. Streichhan P, et al. **Adv Exp Med Biol** 1985;191:785–94
Effects of isobutyl-2-cyanoacrylate on bone healing. Hampel NL, et al. **Am J Vet Res** 1986 Jul;47(7):1605–10
A newly designed tensiometer. Lee AH, et al.
Am J Vet Res 1986 Mar;47(3):683–6
Prevention and management of ischemic complications of vein harvest incisions in cardiac surgery—case reports. Scher LA, et al. **Angiology** 1986 Feb;37(2):119–23
Species-related differences in percutaneous wound healing. Gangjee T, et al. **Ann Biomed Eng** 1985;13(5):451–67
A comparison of therapeutic bandage lenses, tarsorrhaphy, and antibiotic and hypertonic saline on corneal epithelial wound healing. Ali Z, et al. **Ann Ophthalmol** 1986 Jan; 18(1):22–4
Autologous corticocancellous bone paste for long bone discontinuity defects: an experimental approach. Habal MB, et al. **Ann Plast Surg** 1985 Aug;15(2):136–42
Drug-loaded synthetic dressings: effect on contraction, epithelialization, and collagen synthesis of deep second-degree experimental burns. Kaufman T, et al.
Ann Plast Surg 1985 May;14(5):420–7
Effects of protein depletion and repletion on experimental open wound contraction. Modolin M, et al.
Ann Plast Surg 1985 Aug;15(2):123–6
Ultrastructural study of regenerated skin after deep dermal and third degree burns. Yoshitsugu K, et al.
Ann Plast Surg 1985 Nov;15(5):386–93
The association between lowest palpable pulse and wound healing in below knee amputations [letter] McCollum PT, et al. **Ann R Coll Surg Engl** 1986 Jan;68(1):56
Classification and treatment of chronic nonhealing wounds. Successful treatment with autologous platelet-derived wound healing factors (PDWHF). Knighton DR, et al. **Ann Surg** 1986 Sep;204(3):322–30
Improved management of the perineal wound after proctectomy. Tompkins RG, et al. **Ann Surg** 1985 Dec; 202(6):760–5
Healing of esophagojejunal anastomoses after experimental total gastrectomy. A comparative study using manually sutured or stapled anastomoses. Walther B, et al.
Ann Surg 1986 Apr;203(4):439–46
Punch biopsy wounds treated with Monsel's solution or a collagen matrix. A comparison of healing. Armstrong RB, et al. **Arch Dermatol** 1986 May;122(5):546–9
Treatment of dermabrasion wounds with a hydrocolloid occlusive dressing [letter] Friedman SJ, et al.
Arch Dermatol 1985 Dec;121(12):1486–7
Semipermeable occlusive dressings. Effects on growth of pathogenic bacteria and reepithelialization of superficial wounds. Katz S, et al. **Arch Dermatol** 1986 Jan;122(1):58–62
Local environment of chronic wounds under synthetic dressings. Varghese MC, et al. **Arch Dermatol** 1986 Jan; 122(1):52–7
Retinal wound healing. Cellular activity at the vitreoretinal interface. Miller B, et al. **Arch Ophthalmol** 1986 Feb; 104(2):281–5
Ultrastructure of Bruch's membrane after krypton laser photocoagulation. II. Repair of Bruch's membrane and the role of macrophages. Pollack A, et al. **Arch Ophthalmol** 1986 Sep;104(9):1377–82
Observations on the microvascular repair process after confluent argon laser photocoagulation. Stratas BA, et al.
Arch Ophthalmol 1986 Jan;104(1):126–9
A histological and ultrastructural study of wound healing after vomer resection in the beagle dog. Squier CA, et al.
Arch Oral Biol 1985;30(11–12):833–41
Biomechanical and biochemical studies of tendon healing after conservative and surgical treatment. Carlstedt CA, et al. **Arch Orthop Trauma Surg** 1986;105(4):211–5
Radiological evidence of healing of a simple bone cyst after hole drilling. Chigira M, et al.
Arch Orthop Trauma Surg 1986;105(3):150–3
Mechanical effects of intramedullary reaming on osteotomy healing in rats. Reikerås O, et al.
Arch Orthop Trauma Surg 1985;104(2):97–9
Comparison of cold-quartz ultraviolet, low-energy laser, and occlusion in wound healing in a swine model. Basford JR, et al. **Arch Phys Med Rehabil** 1986 Mar;67(3):151–4
Skin blood flow measurement with xenon-133 to predict healing of lower extremity amputations. Harris JP, et al.
Aust NZ J Surg 1986 May;56(5):413–5
Demonstration of elevated type I and type III procollagen mRNA levels in cutaneous wounds treated with helium–neon laser. Proposed mechanism for enhanced wound healing. Saperia D, et al.
Biochem Biophys Res Commun 1986 Aug 14;138(3):1123–8
Liquid covering for superficial skin wounds and its effect on wound closure in guinea pigs. Stenn KS, et al.
Biomater Med Devices Artif Organs 1985;13(1–2):17–35
Principles of burn dressings. Quinn KJ, et al. **Biomaterials** 1985 Nov;6(6):369–77 (105 ref.)
Regional acceleration of remodeling during healing of bone defects in beagles of various ages. Shih MS, et al. **Bone** 1985;6(5):377–9
Histological features of wound repair: a comparison between experimental ileal and colonic anastomoses. Hesp WL, et al. **Br J Exp Pathol** 1985 Oct;66(5):511–8
Collagen in anastomoses [letter] Blomquist P, et al.
Br J Surg 1986 May;73(5):415
Wound healing studies [letter] Forrest L. **Br J Surg** 1986 Aug;73(8):681
Hypovolaemia and healing in colonic anastomoses. Foster ME, et al. **Br J Surg** 1985 Oct;72(10):831–4
Noninvasive technique using thallium-201 for predicting ischaemic ulcer healing of the foot. Ohta T. **Br J Surg** 1985 Nov;72(11):892–5
Delayed perineal wound healing after proctectomy for Crohn's colitis. Scammell BE, et al. **Br J Surg** 1986 Feb; 73(2):150–2
Experimental wound healing: increased breaking strength and collagen synthetic activity in abdominal fascial wounds healing with secondary closure of the skin. Scott PG, et al. **Br J Surg** 1985 Oct;72(10):777–9
Colonic healing: a role for polymorphonuclear leucocytes and oxygen radical production. Shandall AA, et al.
Br J Surg 1986 Mar;73(3):225–8
Failure of Doppler ankle pressure to predict healing of conservative forefoot amputations. Welch GH, et al.
Br J Surg 1985 Nov;72(11):888–91
Homologous cholinergic efferents spared by partial fimbrial lesions contribute to the recovery of hippocampal cholinergic enzymes in adult rats. Gasser UE, et al.
Brain Res 1986 Mar 5;367(1–2):368–73
Peripheral nerve implantation into a penetrating lesion of the eye: stimulation of the damaged retina. Turner JE, et al. **Brain Res** 1986 Jun 25;376(2):246–54
Respiratory injury in children: the histology of healing. Judkins KC, et al. **Burns Incl Therm Inj** 1986 Jun; 12(5):357–9
Ultrastructural investigation on experimental fracture healing. VI. Electron microscopic observation on matrix vesicles. Chai BF, et al. **Chin Med J [Engl]** 1984 Nov; 97(11):805–12
Ultrastructural investigation on experimental fracture healing. V. Electron microscopic observation on capillary formation. Chai BF, et al. **Chin Med J [Engl]** 1984 Nov; 97(11):801–4
Ultrastructural investigation of healing of experimental fracture treated according to the principle of activating circulation and alleviating stagnation. Chai BF, et al.
Chin Med J [Engl] 1985 Jun;98(6):409–16
Chemoattractants in fibrotic disorders. Grotendorst GR, et al. **Ciba Found Symp** 1985;114:150–63
Cell interactions in post-traumatic fibrosis. Hunt TK, et al.
Ciba Found Symp 1985;114:127–49
Platelet-derived growth factor: its potential roles in wound healing, atherosclerosis, neoplasia, and growth and development. Ross R, et al. **Ciba Found Symp** 1985; 116:98–112
Wound healing. **Clin Dermatol** 1984 Jul–Sep;2(3):1–159
Cultured epidermal autografts. Alvarez OM, et al.
Clin Dermatol 1984 Jul–Sep;2(3):54–67
Wound healing: development of the basic concepts. Crissey JT, et al. **Clin Dermatol** 1984 Jul–Sep;2(3):1–7
Effect of occlusive dressings on wound healing. Eaglstein WH. **Clin Dermatol** 1984 Jul–Sep;2(3):107–11
Current wound management: a symposium. Eaglstein WH.
Clin Dermatol 1984 Jul–Sep;2(3):134–42
In vitro lessons for wound healing. Gilchrest BA.
Clin Dermatol 1984 Jul–Sep;2(3):45–53
Electric fields and wound healing. Jaffe LF, et al.
Clin Dermatol 1984 Jul–Sep;2(3):34–44
Wound healing in dogs and cats. Johnston DE.
Clin Dermatol 1984 Jul–Sep;2(3):143–53
Cellular and molecular mechanisms in wound healing: selected concepts. Lambert WC, et al. **Clin Dermatol** 1984 Jul–Sep;2(3):17–23
Role of the epidermis and other epithelia in wound healing: selected concepts. Lambert WC, et al. **Clin Dermatol** 1984 Jul–Sep;2(3):24–33
Effect of bacteria on healing of superficial wounds. Leyden JJ. **Clin Dermatol** 1984 Jul–Sep;2(3):81–5
The wound healing process. Pollack SV. **Clin Dermatol** 1984 Jul–Sep;2(3):8–16
Systemic drugs and nutritional aspects of wound healing. Pollack SV. **Clin Dermatol** 1984 Jul–Sep;2(3):68–80
Secondary intention healing: an alternative to surgical repair. Zitelli JA. **Clin Dermatol** 1984 Jul–Sep;2(3):92–106
Development of nonunions in the rat fibula after removal of periosteal neural mechanoreceptors. Aro H, et al.
Clin Orthop 1985 Oct;(199):292–9
The effect of external skeletal fixation on bone healing and bone blood supply. An experimental study. Court-Brown CM. **Clin Orthop** 1985 Dec;(201):278–89
Role of synovial fluid cells in the healing of flexor tendons. Menon J, et al. **Clin Orthop** 1985 Oct;(199):300–5
Quantitative comparisons of healing in cranial fresh autografts, frozen autografts and processed autografts, and allografts in canine skull defects. Oklund SA, et al.
Clin Orthop 1986 Apr;(205):269–91
The critical size defect as an experimental model for craniomandibulofacial nonunions. Schmitz JP, et al.
Clin Orthop 1986 Apr;(205):299–308
The side-to-side flap technique in below-the-knee amputation with long stump. Yamanaka M, et al.
Clin Orthop 1985 Dec;(201):75–9
Collagen fiber formation in repair tissue: development of strength and toughness. Doillon CJ, et al.
Coll Relat Res 1985 Dec;5(6):481–92
A model of corneal re-endotheliazation after surgical trauma [letter] Kwook LS. **Curr Eye Res** 1985 Dec;4(12):1297–8
Dressings for dermabrasion: occlusive dressings and wound healing. Pinski JB. **Cutis** 1986 Jun;37(6):471–6
Wound healing and aging. Eaglstein WH. **Dermatol Clin** 1986 Jul;4(3):481–4 (24 ref.)
Evaluation of the healing process of skin wounds by means of skin absolute value of electrical impedance. Jaskowski J. **Dermatol Monatsschr** 1986;172(4):223–8
Wound healing of human skin transplanted onto the nude mouse. I. An immunohistological study of the reepithelialization process. Demarchez M, et al.
Dev Biol 1986 Jan;113(1):90–6
Wound collagen accumulation in obese hyperglycemic mice. Goodson WH 3d, et al. **Diabetes** 1986 Apr;35(4):491–5
Management of the perineal wound after rectal excision for ulcerative colitis. Oakley JR, et al. **Dis Colon Rectum** 1985 Dec;28(12):885–8
A study of the feasibility of using adhesive tapes for the long-term relief of tension from healing surgical wounds. Gill JM, et al. **Eng Med** 1985 Oct;14(4):199–204
An experimental study of the healing process of equine chondral and osteochondral defects. Kold SE, et al.
Equine Vet J 1986 Jan;18(1):18–24
Do magnetic fields influence soft tissue wound healing?—A preliminary communication. Leaper DJ, et al.
Equine Vet J 1985 May;17(3):178–80
Release of plasminogen activator by cultured corneal epithelial cells during differentiation and wound closure. Chan KY. **Exp Eye Res** 1986 May;42(5):417–31
Distribution of fibronectin in human and rabbit corneas. Tervo T, et al. **Exp Eye Res** 1986 Apr;42(4):399–406
Nerve growth factor accelerates the early cellular events associated with wound healing. Lawman MJ, et al.
Exp Mol Pathol 1985 Oct;43(2):274–81
Effect of air ions on healing of wounds of rat skin. Jaśkowski J, et al. **Exp Pathol** 1986;29(2):113–7
Primary and secondary closure of ampullary salpingotomy compared in the rabbit. Nelson LM, et al. **Fertil Steril** 1986 Feb;45(2):292–5
The objective interpretation of histopathological data: an application to the ageing of ovine bruises. Thornton RN, et al. **Forensic Sci Int** 1986 Jul 31;31(4):225–39
Flexor tendon healing. Manske PR, et al. **Hand Clin** 1985 Feb;1(1):25–34 (60 ref.)
Effects of Lactobacillus casei-containing ointment on the healing and protection against opportunistic infection of thermal injury wounds in mice. Horikawa Y.
Hiroshima J Med Sci 1986 Mar;35(1):1–14
Wound healing revisited: fibronectin and company [editorial] Wagner BM. **Hum Pathol** 1985 Nov;16(11):1081
Surgical management of recurrent and nonhealing corneal ulcer. Pandey DJ, et al. **Indian J Ophthalmol** 1983;31 Suppl:1027–8
Role of soft contact lenses in nonhealing corneal ulcers. Sharma DP, et al. **Indian J Ophthalmol** 1983;31 Suppl:931–3
Epithelial wound closure in the rabbit cornea. A biphasic process. Crosson CE, et al. **Invest Ophthalmol Vis Sci** 1986 Apr;27(4):464–73
A tissue culture assay of corneal epithelial wound closure. Jumblatt MM, et al. **Invest Ophthalmol Vis Sci** 1986 Jan; 27(1):8–13
In vitro contractility of avascular corneal wounds in rabbit eyes. Luttrull JK, et al. **Invest Ophthalmol Vis Sci** 1985 Oct;26(10):1449–52
Endothelial repair in the rat cornea. Tuft SJ, et al.
Invest Ophthalmol Vis Sci 1986 Aug;27(8):1199–204
Con A- and WGA-binding glycoproteins of stationary and migratory corneal epithelium. Zieske JD, et al.
Invest Ophthalmol Vis Sci 1986 Aug;27(8):1205–10
Protein synthesis during corneal epithelial wound healing. Zieske JD, et al. **Invest Ophthalmol Vis Sci** 1986 Jan; 27(1):1–7
Cutaneous tissue repair: basic biologic considerations. I. Clark RA. **J Am Acad Dermatol** 1985 Nov;13(5 Pt 1):701–25 (259 ref.)
Effects of tissue-destructive technics on wound healing [letter] Epstein E. **J Am Acad Dermatol** 1986 Jun; 14(6):1098–9
Cutaneous tissue repair: practical implications of current knowledge. II. Reed BR, et al. **J Am Acad Dermatol** 1985 Dec;13(6):919–41 (206 ref.)
Assessment of tibial stiffness by vibration testing in situ—I. Identification of mode shapes in different supporting conditions. Christensen AB, et al. **J Biomech** 1986; 19(1):53–60
Percutaneous healing of clinical tympanic membrane implants. Powers DL, et al. **J Biomed Mater Res** 1986 Feb; 20(2):143–51
Combined posterior incision and arthroscopic intra-articular repair of the meniscus. An examination of factors affecting healing. Scott GA, et al. **J Bone Joint Surg [Am]** 1986 Jul;68(6):847–61
A new test for clinical union of the fractured shaft of femur. Barton NJ. **J Bone Joint Surg [Br]** 1986 Aug;68(4):655–6
Transcutaneous oxygen measurement in peripheral occlusive disease. An indicator of wound healing in leg amputation. Christensen KS, et al. **J Bone Joint Surg [Br]** 1986 May; 68(3):423–6
Slipped upper femoral epiphysis. A potential for spontaneous recovery. Clarke NM, et al. **J Bone Joint Surg [Br]** 1986 Aug;68(4):541–4
Wound fluid angiogenesis factor stimulates the directed

migration of capillary endothelial cells. Banda MJ, et al. **J Cell Biochem** 1985;29(3):183–93

Stimulation of granulation tissue formation by platelet-derived growth factor in normal and diabetic rats. Grotendorst GR, et al. **J Clin Invest** 1985 Dec;76(6):2323–9

Axonal regeneration in spinal cord injury: a perspective and new technique. Borgens RB, et al. **J Comp Neurol** 1986 Aug 8;250(2):157–67

Transected dorsal column axons within the guinea pig spinal cord regenerate in the presence of an applied electric field. Borgens RB, et al. **J Comp Neurol** 1986 Aug 8; 250(2):168–80

Enhancement of epidermal regeneration by biosynthetic epidermal growth factor. Brown GL, et al. **J Exp Med** 1986 May 1;163(5):1319–24

Events in the movement of newt epidermal cells across implanted substrates. Mahan JT, et al. **J Exp Zool** 1986 Jan;237(1):35–44

The early stages of flexor tendon healing: a morphologic study of the first fourteen days. Gelberman RH, et al. **J Hand Surg [Am]** 1985 Nov;10(6 Pt 1):776–84

Pseudotendon formation [letter] Khan MI. **J Hand Surg [Am]** 1986 May;11(3):455–6

Intrinsic restoration of the flexor tendon surface in the nonhuman primate. Manske PR, et al. **J Hand Surg [Am]** 1985 Sep;10(5):632–7

The fate of tendon healing after restoration of the integrity of the tendon sheath with autogenous vein grafts. Strauch B, et al. **J Hand Surg [Am]** 1985 Nov;10(6 Pt 1):790–5

Cutaneous tissue repair following CO2 laser irradiation. Kamat BR, et al. **J Invest Dermatol** 1986 Aug;87(2):268–71

Abnormal wound healing in UV-irradiated skin of Sencar mice. Strickland PT. **J Invest Dermatol** 1986 Jan; 86(1):37–41

Activation of rabbit keratinocyte fibronectin receptor function in vivo during wound healing. Takashima A, et al. **J Invest Dermatol** 1986 May;86(5):585–90

The healing of CO2 laser wounds of the larynx. Tranter RM, et al. **J Laryngol Otol** 1985 Sep;99(9):895–9

Vascular reorganization and return of rigidity in fracture healing. Chidgey L, et al. **J Orthop Res** 1986;4(2):173–9

Immunofluorescent localization of structural collagen types in endochondral fracture repair. Lane JM, et al. **J Orthop Res** 1986;4(3):318–29

Comparison of fetal, newborn, and adult wound healing by histologic, enzyme-histochemical, and hydroxyproline determinations. Adzick NS, et al. **J Pediatr Surg** 1985 Aug; 20(4):315–9

Evaluation of absorbable polyglycolic acid mesh as a wound support. Marmon LM, et al. **J Pediatr Surg** 1985 Dec; 20(6):737–42

Elimination of epithelium from healing postsurgical periodontal wounds by ultra-low temperature. Initial observations. Tal H, et al. **J Periodontol** 1985 Aug; 56(8):488–91

A subcutaneous implant for wound healing studies in humans. Diegelmann RF, et al. **J Surg Res** 1986 Mar;40(3):229–37

A model for the role of hyaluronic acid and fibrin in the early events during the inflammatory response and wound healing. Weigel PH, et al. **J Theor Biol** 1986 Mar 21; 119(2):219–34

An experimental study of the influence of magnetic fields on soft-tissue wound healing. Leaper DJ, et al. **J Trauma** 1985 Nov;25(11):1083–4

Wound Closure Index: a guide to prognosis in burned patients. Scott-Conner CE, et al. **J Trauma** 1986 Feb; 26(2):123–7

Sonographic diagnosis of partial Achilles tendon rupture and healing. Leekam RN, et al. **J Ultrasound Med** 1986 Feb; 5(2):115–6

Skin perfusion pressure in the prediction of healing in diabetic patients with ulcers or gangrene of the foot [letter] Gilfillan RS, et al. **J Vasc Surg** 1986 Mar;3(3):554–5

Experimental studies with absorbable and nonabsorbable sutures in infected canine arterial anastomoses. Torsello GB, et al. **J Vasc Surg** 1986 Jan;3(1):135–9

Endothelial wound-healing in penetrating corneal graft for experimental bullous keratopathy in rabbit. Yang HJ, et al. **Jpn J Ophthalmol** 1985;29(4):378–93

Sterculia for wound healing [letter] Lowthian P, et al. **Lancet** 1985 Nov 23;2(8465):1186

The low-output carbon dioxide laser for cutaneous wound closure of scalpel incisions: comparative tensile strength studies of the laser to the suture and staple for wound closure. Garden JM, et al. **Lasers Surg Med** 1986;6(1):67–71

A study of microangioneogenesis in wounds healing by secondary intention. Brennan SS, et al. **Microcirc Endothelium Lymphatics** 1984 Dec;1(6):657–69

Healing-over in skeletal muscles of the guinea pig following induced injury. Furukawa K. **Muscle Nerve** 1984 Oct; 7(8):610–7

Spontaneous healing of acute extradural hematomas: study of twenty-two cases. Pozzati E, et al. **Neurosurgery** 1986 Jun;18(6):696–700

The influence of exercise in the healing of the rabbit Achilles tendon. Date T. **Nippon Seikeigeka Gakkai Zasshi** 1986 Apr;60(4):449–54

The healing of oral wounds. McMillan MD. **NZ Dent J** 1986 Jul;82(369):112–6

In vivo experiments with the excimer laser—technical parameters and healing processes. Seiler T, et al. **Ophthalmologica** 1986;192(2):65–70

Radial keratotomy complicated by sterile keratitis and corneal perforation. Histopathologic case report and review of complications. Karr DJ, et al. **Ophthalmology** 1985 Sep;92(9):1244–8

A comparison of the avascular capsule surrounding free floating intraperitoneal blood clots in mice and rabbits. Mosse PR, et al. **Pathology** 1985 Jul;17(3):401–7

A comparison of the effects of immobilization and continuous passive motion on surgical wound healing in mature rabbits. van Royen BJ, et al. **Plast Reconstr Surg** 1986 Sep; 78(3):360–8

Foam elastomer dressing in the management of a below-knee amputation stump with delayed healing. Stewart CP. **Prosthet Orthot Int** 1985 Dec;9(3):157–9

Wound healing in surgical practice. Gupta S, et al. **Q Med Rev** 1985 Jan;36(1):1–43 (114 ref.)

The healing pattern of experimental heat myringotomy. Söderberg O, et al. **Rev Laryngol Otol Rhinol (Bord)** 1985; 106(2):81–5

Corrective osteotomy of malunited fractures of the distal end of the radius. Ekenstam F af, et al. **Scand J Plast Reconstr Surg** 1985;19(2):175–87

Intrinsic tendon healing. A new experimental model. Lundborg G, et al. **Scand J Plast Reconstr Surg** 1985; 19(2):113–7

Computed tomography and plain radiography in experimental fracture healing. Braunstein EM, et al. **Skeletal Radiol** 1986;15(1):27–31

Effect of high tension and relaxing incisions on wound healing in rats. Sauter E, et al. **South Med J** 1985 Dec; 78(12):1451–3

Skin vascular resistance and skin perfusion pressure as predictors of healing of ischemic lesion of the lower limb: influences of diabetes mellitus, hypertension, and age. Duncan HJ, et al. **Surgery** 1986 Apr;99(4):432–8

Morphology of healing in vascular prostheses. Rahlf G, et al. **Thorac Cardiovasc Surg** 1986 Feb;34(1):43–8 (45 ref.)

Operative results in 124 open fractures of the tibial shaft. Rommens P, et al. **Unfallchirurg** 1986 Mar;89(3):127–31

Factors determining quadriceps recovery following femoral shaft fractures. Stappaerts KH, et al. **Unfallchirurg** 1986 Mar;89(3):121–6

Wound healing in anemia. Jensen JA, et al. **West J Med** 1986 Apr;144(4):465–7

[Healing of artificially induced skin wounds against a background of preliminary chronic exposure to intense noise] Softova E, et al. **Eksp Med Morfol** 1985;24(4):51–6 (Eng. Abstr.) **(Bul)**

[Value of early removal of skin sutures on the healing of surgical wounds] Radev D, et al. **Khirurgiia (Sofiia)** 1985; 38(6):14–20 **(Bul)**

[Intimal healing process and permeability following mechanical injury to rabbit aorta] Chen TZ. **Chung-hua Ping Li Hsueh Tsa Chih** 1985 Dec;14(4):248–51 (Eng. Abstr.) **(Chi)**

[An attempt to replace joint cartilage using synthetic hydrogel] Pavlanský R, et al. **Acta Chir Orthop Traumatol Cech** 1986 Apr;53(2):94–102 (Eng. Abstr.) **(Cze)**

[New knowledge in the biology of wound healing. Mechanisms and regulation] Gottrup F, et al. **Ugeskr Laeger** 1986 May 26;148(22):1332–6 (Eng. Abstr.) **(Dan)**

[Recent knowledge on the biology of wound healing. Examples from experimental research with clinical relevance] Gottrup F, et al. **Ugeskr Laeger** 1986 May 26; 148(22):1327–32 (Eng. Abstr.) **(Dan)**

[Effect of the I.R. diode laser on wound healing] Van Cakenbergh J. **Acta Belg Med Phys** 1986 Jan-Mar; 9(1):89–91 **(Dut)**

[Correction of a malunited callus of the distal end of the radius using open-wedge osteotomy] Kerboul B, et al. **Acta Orthop Belg** 1986 Mar-Apr;52(2):134–44 (Eng. Abstr.) **(Fre)**

[The "laisser-faire" technic following excision of basal cell epitheliomas of the internal angle] George JL, et al. **Bull Soc Ophtalmol Fr** 1985 Jan;85(1):101–4 (Eng. Abstr.) **(Fre)**

[Intraocular fibrosis after perforating injury of the posterior segment. Experimental study] Kantelip B, et al. **J Fr Ophtalmol** 1985;8(3):245–53 (Eng. Abstr.) **(Fre)**

[Sintering behavior of vertebral body fractures during treatment with the 3-point brace] Niethard FU. **Aktuel Traumatol** 1985 Aug;15(4):159–64 (Eng. Abstr.) **(Ger)**

[Evaluation of static stability in fracture healing—animal experiment study] Klug W. **Beitr Orthop Traumatol** 1985 Aug;32(8):381–7 (Eng. Abstr.) **(Ger)**

[Postoperative studies following surgical treatment of teat injuries in cattle] Wigger J, et al. **DTW** 1985 Jul 24; 92(7–8):247–51 (Eng. Abstr.) **(Ger)**

[Wound healing of the corneal posterior surface in animal experiments] Gloor B, et al. **Klin Monatsbl Augenheilkd** 1986 Mar;188(3):225–30 (Eng. Abstr.) **(Ger)**

[Stelzner self-healing cecal fistula—course of healing and complications] Gröner R, et al. **Langenbecks Arch Chir** 1985;366:429–33 (Eng. Abstr.) **(Ger)**

[Results of conservative treatment of distal radius fractures] Kramer W, et al. **Langenbecks Arch Chir** 1986; 167(4):247–58 (Eng. Abstr.) **(Ger)**

[Solastic foam: a new dressing in otorhinolaryngology] Deeg M, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Jun;65(6):314–6 (Eng. Abstr.) **(Ger)**

[Results following the operative treatment of fractures of the tibial head] Holz U, et al. **Unfallchirurg** 1985 Dec; 88(12):519–27 (Eng. Abstr.) **(Ger)**

[Functional treatment of humerus fractures by the Sarmiento method. Results after 3 years' experience] Kayser M, et al. **Unfallchirurg** 1986 Jun;89(6):253–8 (Eng. Abstr.) **(Ger)**

[Healing of infected defect wounds of the lower extremity with a pedicled gastrocnemius flap] Labitzke R, et al. **Unfallchirurg** 1985 Dec;88(12):528–32 (Eng. Abstr.) **(Ger)**

[Plate osteosynthesis in bicondylar fractures of the tibial head] Wagner HE, et al. **Unfallchirurg** 1986 Jul;89(7):304–11 (Eng. Abstr.) **(Ger)**

[Femoral neck fracture in childhood. II. Results of follow-up] Weber U, et al. **Unfallchirurg** 1985 Nov; 88(11):512–7 (Eng. Abstr.) **(Ger)**

[Indications and clinical results of electromagnetically-induced alternating current stimulation of poorly reacting pseudarthroses] Stürmer KM, et al. **Unfallchirurgie** 1985 Aug;11(4):197–203 (Eng. Abstr.) **(Ger)**

[Quantitative determination of the effect of induced alternating currents on the integration of autologous spongiosa transplants] Stürmer KM, et al. **Unfallchirurgie** 1985 Aug;11(4):168–73 (Eng. Abstr.) **(Ger)**

[Animal experiment studies on the healing of bone transplants by clamping plate fixation following hyperthermic denaturation] Bocher R, et al. **Z Exp Chir Transplant Kunstliche Organe** 1985;18(5):273–80 (Eng. Abstr.) **(Ger)**

[Effect of anastomosis technic on wound healing in the gastrointestinal tract. Animal experiment study of the dog colon with special reference to mechanical suture technics] Groitl H, et al. **Z Exp Chir Transplant Kunstliche Organe** 1985;18(6):368–77 **(Ger)**

[Angiographic demonstration of the medullary space and callus vessels during secondary bone fracture healing; animal experiments] Klug W. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(1):50–6 (Eng. Abstr.) **(Ger)**

[Effect of anastomosis technic on wound healing in the gastrointestinal tract. Animal experiment study of the dog colon with special reference to manual suture technics] Scheele J, et al. **Z Exp Chir Transplant Kunstliche Organe** 1985;18(6):357–67 (Eng. Abstr.) **(Ger)**

[Wound closure in the care of small skin defects] Friederich HC, et al. **Z Hautkr** 1985 Sep 1;60(17):1350–6, 1361–4, 1367–70 (Eng. Abstr.) **(Ger)**

[Postoperative wound suction drainage and its effect on wound healing] Härle A. **Z Orthop** 1985 May-Jun; 123(3):395–402 (Eng. Abstr.) **(Ger)**

[Results of fluorescence microscopy studies of bone healing by direct stimulation with bipolar impulse currents and with the interference current procedure in the animal experiment] Schubert T, et al. **Z Orthop** 1986 Jan-Feb; 124(1):6–12 (Eng. Abstr.) **(Ger)**

[Regenerative processes of the internal structures of the knee joint following meniscectomy. Experimental study of the knee joint of the rabbit] Will-Hofmann H. **Z Orthop** 1985 Nov-Dec;123(6):957–61 (Eng. Abstr.) **(Ger)**

[Disorders of wound healing using an infrapubic Kelâmi incision in comparison to scrotal incision] Papadopoulos I. **Z Urol Nephrol** 1986 Apr;79(4):225–8 (Eng. Abstr.) **(Ger)**

[Effects of wound care on healing disorders after tooth extraction] Klammt J, et al. **Zahn Mund Kieferheilkd** 1986; 74(1):30–6 (Eng. Abstr.) **(Ger)**

[Wound healing in the palatal mucosa and the mechanism of scar formation] Susami T. **Kokubyo Gakkai Zasshi** 1985 Sep;52(3):596 **(Jpn)**

[Actin in endothelial wound healing of rabbit corneas] Fujino Y, et al. **Nippon Ganka Gakkai Zasshi** 1986 Mar; 90(3):503–10 (Eng. Abstr.) **(Jpn)**

[Morphological and biochemical study investigating the healing process at the site of a tracheal anastomosis in the dog] Kikuchi K. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Mar;34(3):357–64 (Eng. Abstr.) **(Jpn)**

[Experimental histopathological studies of electrical callus formation and mechanism of bone healing by direct micro-electrical current] Kondo J. **Nippon Seikeigeka Gakkai Zasshi** 1985 Aug;59(8):803–17 (Eng. Abstr.) **(Jpn)**

[An experimental study on adhesion blocking in simultaneous injury of tendon and nerve] Okuda Y. **Nippon Seikeigeka Gakkai Zasshi** 1985 Nov;59(11):937–47 (Eng. Abstr.) **(Jpn)**

[Normal fracture healing. Significance of humoral factors and electric potentials] Ekeland A. **Tidsskr Nor Laegeforen** 1985 Sep 10;105(25):1691–4 (Eng. Abstr.) **(Nor)**

[Effect of microsurgical extraction of senile cataract in patients with diabetes mellitus on the course of the operation and wound healing] Krukar-Bastrowa K. **Klin Oczna** 1985 Apr;87(4):169–70 (Eng. Abstr.) **(Pol)**

[Effect of aero-ions on humans] Jaśkowski J. **Wiad Lek** 1985 May 15;38(10):745–50 **(Pol)**

[Ultrastructural aspects of the wound healing process of the skin of albino rats] Simões M de J, et al.

Rev Paul Med 1985 May-Jun;103(3):123-6 (Eng. Abstr.) (Por)

[Effect of electroacupuncture on the functional status of the liver in patients after biliary tract surgery] Zolnikov SM, et al. Anesteziol Reanimatol 1986 Mar-Apr;(2):54-6 (Eng. Abstr.) (Rus)

[Changes in myosatellitocytes in response to injuries of the muscles of the esophagus] Bazhenov DV. Arkh Anat Gistol Embriol 1986 Jun;90(6):54-9 (Eng. Abstr.) (Rus)

[Reactions of the myocardium of the adult pigeon to local injury] Markvo LI, et al. Arkh Anat Gistol Embriol 1986 May;90(5):49-53 (Eng. Abstr.) (Rus)

[Changes in the endothelium of the aorta of the rat during regeneration (according to the results of scanning electron microscopy)] Mironov AA, et al. Arkh Anat Gistol Embriol 1985 Oct;89(10):54-60 (Eng. Abstr.) (Rus)

[Space-time characteristics of DNA synthesis in mesothelial cells of the rat after surgery at different times of the day] Sapozhnikova LR. Arkh Anat Gistol Embriol 1985 Jul;89(7):90-5 (Eng. Abstr.) (Rus)

[The role of opioid brain structures in the healing process] Il'inskii OB, et al. Dokl Akad Nauk SSSR 1986 Jul-Aug;289(1):240-2 (Rus)

[Activity of leukocyte acid phosphatase during the healing of experimental skin wounds] Lipshits RU, et al. Fiziol Zh 1985 Sep-Oct;31(5):632-4 (Rus)

[Determining fibronectin levels for the evaluation of the wound healing process] Kochnev OS, et al. Khirurgiia (Mosk) 1986 Jun;(6):13-7 (Eng. Abstr.) (Rus)

[Effect of hemosorption on the course of the wound process in burns] Kozinets GP, et al. Klin Khir 1986;(3):15-7 (Eng. Abstr.) (Rus)

[Wound healing] Petrov VG, et al. Klin Khir 1986;(1):67 (Rus)

[Comparative evaluation of the regeneration of microvascular wall after plastic repair with the suture materials "Metallatravm" and "Ethilon"Savitskaia IM, et al. Klin Khir 1985;(7):31-2 (Eng. Abstr.) (Rus)

[Effect of hypoxia on DNA synthesis and collagen levels in regenerating skin] Khomulio GV, et al. Kosm Biol Aviakosm Med 1986 May-Jun;20(3):57-61 (Eng. Abstr.) (Rus)

[Use of radionuclides for evaluating reparative osteogenesis in purulent infections] Svesnikov AA, et al. Med Radiol (Mosk) 1985 Nov;30(11):64-70 (59 ref.) (Rus)

[Features of reparative regeneration in disorders of blood supply (experimental study)] Bolstashvili IF. Ortop Travmatol Protez 1985 Oct;(10):30-1 (Rus)

[Primary bone consolidation after diaphyseal fractures in various conditions of intraosseous circulation] Lavrishcheva GI, et al. Ortop Travmatol Protez 1985 Sep;(9):1-5 (Eng. Abstr.) (Rus)

[Effect of electric microcurrents on regeneration processes in skin wounds] Sinitsyn LN, et al. Ortop Travmatol Protez 1986 Feb;(2):25-8 (Eng. Abstr.) (Rus)

[Comparative evaluation of reparative regeneration after closed and open intramedullary osteosynthesis] Suvalian AG, et al. Ortop Travmatol Protez 1986 Jan;(1):51-2 (Rus)

[A radioimmunological method in the study of the hormonal regulation of reparative osteogenesis (review of the literature)] Sveshnikov AA, et al. Ortop Travmatol Protez 1986 Feb;(2):67-70 (34 ref.) (Rus)

[Radioisotope study of reparative osteogenesis, blood circulation and lymph flow after transosseous osteosynthesis of the bones of the leg using the G. A. Ilizarov method in chronic osteomyelitis] Sveshnikov AA, et al. Ortop Travmatol Protez 1985 Oct;(10):23-7 (Eng. Abstr.) (Rus)

[Reparative regeneration of joint cartilage] Lavrishcheva GI, et al. Revmatologiia (Moskva) 1985 Oct-Dec;(4):47-50 (Eng. Abstr.) (Rus)

[Indicators of the activity of tissue hemostasis in the treatment of extensive suppurative wounds of soft tissues] Kostiuchenok BM, et al. Sov Med 1985;(7):20-4 (Eng. Abstr.) (Rus)

[Tissue transformations in the surgical wound induced by immediate prostheses of various designs in experimental animals] Sedrakian AN. Stomatologiia (Mosk) 1985 Jul-Aug;64(4):17-9 (Eng. Abstr.) (Rus)

[Roentgeno-radionuclide criteria of the reparative process in chronic osteomyelitis] Maksumov DN, et al. Vestn Akad Med Nauk SSSR 1986;(1):36-8 (Eng. Abstr.) (Rus)

[Effect of the local use of activated carbon fiber materials on the course of experimental wounds] Deriabin II, et al. Vestn Khir 1985 Aug;135(8):71-5 (Rus)

[Endometriosis as the cause of non-healing wounds] Izmailov GA, et al. Vestn Khir 1985 Nov;135(11):137-8 (Rus)

[Evaluation of the efficacy of wound treatment by the intensity of chemiluminescence in the presence of hydrogen peroxide] Volkov VV, et al. Vestn Khir 1986 Mar;136(3):80-3 (Eng. Abstr.) (Rus)

[Changes in granulation tissue fibroblasts during the healing of gunshot wounds (experimental research)] Chumasov EI, et al. Voen Med Zh 1986 Apr;(4):16-9 (Rus)

[Stimulation of the regeneration of skin wounds by microcurrents] Razvozova EP, et al. Vopr Kurortol Fizioter Lech Fiz Kult 1985 Nov-Dec;(6):63-5 (Rus)

[Dynamics of nucleic acid synthesis in the granulation tissue of skin wounds in the rat] Silaeva SA, et al. Vopr Med Khim 1986 May-Jun;32(3):126-31 (Eng. Abstr.) (Rus)

[Treatment with hydrophobic dressings hastens healing of infected wounds] Wadström T, et al. Lakartidningen 1986 Jul 23;83(30-31):2548-50 (Eng. Abstr.) (Swe)

DRUG EFFECTS

Effect of leucopaine on the processes of purulent wound repairing in experiments and clinical cases. Matinian LA, et al. Acta Physiol Pharmacol Bulg 1986;12(1):76-82

Healing of experimental muscle strains and the effects of nonsteroidal antiinflammatory medication. Almekinders LC, et al. Am J Sports Med 1986 Jul-Aug;14(4):303-8

Topically applied dimethyl sulfoxide. Its effects on inflammation and healing of a contusion. Myrer JW, et al. Am J Sports Med 1986 Mar-Apr;14(2):165-9

Controlled wound repair in guinea pigs, using antimicrobials that alter fibroplasia. Kenyon AJ, et al. Am J Vet Res 1986 Jan;47(1):96-101

Effect of prostaglandin E2 on rib fracture healing in beagles: histomorphometric study on periosteum adjacent to the fracture site. Shih MS, et al. Am J Vet Res 1986 Jul;47(7):1561-4

Effects of 5-fluorouracil on the healing of bowel anastomosis in rats. Aszodi A, et al. Am Surg 1985 Nov;51(11):671-4

The effect of inhibition of angiogenesis in granulation tissue on wound healing and the fibroblast. McGrath MH, et al. Ann Plast Surg 1985 Aug;15(2):105-22

Stimulation of wound healing by epidermal growth factor. A dose-dependent effect. Laato M, et al. Ann Surg 1986 Apr;203(4):379-81

The reversal of an Adriamycin induced healing impairment with chemoattractants and growth factors. Lawrence WT, et al. Ann Surg 1986 Feb;203(2):142-7

Wound healing in acute spinal cord injury: effect of anticoagulation. Frisbie JH. Arch Phys Med Rehabil 1986 May;67(5):311-3

The effects of perioperative fluorouracil administration on convalescence and wound healing. Klausner JM, et al. Arch Surg 1986 Feb;121(2):239-42

Exogenous hyaluronic acid (Healon) accelerates the healing of experimental myringotomies. Stenfors LE, et al. Auris Nasus Larynx 1985;12 Suppl 1:S214-5

Collagen-based wound dressing: effects of hyaluronic acid and fibronectin on wound healing. Doillon CJ, et al. Biomaterials 1986 Jan;7(1):3-8

Chemical and physical properties of a hydrogel wound dressing. Kickhöfen B, et al. Biomaterials 1986 Jan;7(1):67-72

Collagen prolyl hydroxylase inhibitor and reduced collagen formation in cotton pellet-induced granuloma and skin wound healing in rats. Kubota Y, et al. Br J Dermatol 1985 Nov;113(5):559-63

Inhibition of wound healing by antiseptics. Niedner R, et al. Br J Dermatol 1986 Aug;115 Suppl 31:41-4

Recent findings limiting immunological and photosensitizing hazards of the tetrachlorodecaoxygen anion complex (TCDO) in wound healing promotion. Stahl KW, et al. Br J Dermatol 1986 Aug;115 Suppl 31:142-7

The effect of antiseptics on the healing wound: a study using the rabbit ear chamber. Brennan SS, et al. Br J Surg 1985 Oct;72(10):780-2

Reconnection of severed nerve axons with polyethylene glycol. Bittner GD, et al. Brain Res 1986 Mar 5;367(1-2):351-5

The effect of the thromboxane synthetase inhibitor Dazmegrel (UK-38,485) on wound healing, dermal ink perfusion and skin blood flow measurements in deep partial thickness burns. Wang SL, et al. Burns Incl Therm Inj 1986 Jun;12(5):312-7

The effect of antineoplastic agents on the healing of small intestinal anastomoses in the rat. de Roy van Zuidewijn DB, et al. Cancer 1986 Jul 1;58(1):62-6

Effects of the salivary glands active principle (parotin) on the bone healing of alloxan diabetic rats. Luciano E, et al. Cell Mol Biol 1986;32(1):1-7

Effect of topically applied agents on healing wounds. Eaglstein WH, et al. Clin Dermatol 1984 Jul-Sep;2(3):112-5

Dextranomer in chronic wound healing. Weber DE, et al. Clin Dermatol 1984 Jul-Sep;2(3):116-20

Topical indomethacin: inhibition of corneal wound healing in guinea pigs after severe alkali burn. Schwartzkopff T, et al. Cornea 1985-86;4(1):19-24

Effects of calcium antagonists and calcium-buffered salines on wound healing in Xenopus early embryos. Stanistreet M, et al. Cytobios 1986;46(184):25-35

Effect of a hexosylceramide fraction of the hemodialysate Solcoseryl on experimental granulation tissue. Niinikoski J, et al. Eur Surg Res 1986;18(1):58-64

Anti-inflammatory effects of ketoprofen in rabbit corneal epithelial wound model. Kulkarni PS, et al. Exp Eye Res 1985 Sep;41(3):267-73

A wound healing study of chlorhexidine digluconate in guinea pigs. Saatman RA, et al. Fundam Appl Toxicol 1986 Jan;6(1):1-6

Effect of antiproliferative agents on healing of incision wounds in rats. Patil PA, et al. Indian J Exp Biol 1985 Mar;23(3):149-50

Effects of pharmacological doses of synthetic salmon calcitonin on wound healing in rats. García García J, et al. Int Surg 1985 Jul-Sep;70(3):243-5

Corneal endothelial healing rate and the effect of topical retinoic acid. Matsuda M, et al. Invest Ophthalmol Vis Sci 1986 Aug;27(8):1193-8

The interaction of vitamin A and corticosteroids on wound healing. Corball M, et al. Ir J Med Sci 1985 Aug;154(8):306-10

The effect of antiseptics and topical antimicrobials on wound healing. Leaper DJ, et al. J Antimicrob Chemother 1986 Feb;17(2):135-7

Eye-derived growth factor isolated from bovine retina and used for epidermal wound healing in vivo. Fourtanier AY, et al. J Invest Dermatol 1986 Jul;87(1):76-80

Acceleration of wound healing by recombinant human urogastrone (epidermal growth factor). Franklin TJ, et al. J Lab Clin Med 1986 Aug;108(2):103-8

Effect of haemorrhage on wound healing and its possible modification by 1-ethoxysilatrane. Taylor DE, et al. J R Coll Surg Edinb 1986 Feb;31(1):13-7

Interleukin 2 enhances wound healing in rats. Barbul A, et al. J Surg Res 1986 Apr;40(4):315-9

Effect of a hexosylceramide fraction of the hemodialysate Solcoseryl on wound-healing angiogenesis. Niinikoski J, et al. J Surg Res 1986 Mar;40(3):261-4

Cortisone, vitamin A, and wound healing: the importance of measuring wound surface area. Smith KP, et al. J Surg Res 1986 Feb;40(2):120-5

Doxorubicin-induced impairment of wound healing in rats. Lawrence WT, et al. JNCI 1986 Jan;76(1):119-26

Increasing action of tepresone, a new antiulcer agent, on high-molecular-weight glycoprotein in gastric mucus during the healing process of acetic acid-induced ulcer in rats. Ito M, et al. Jpn J Pharmacol 1986 May;41(1):117-25

Rationale for and results from a randomised, double-blind trial of tetrachlorodecaoxygen anion complex in wound healing. Hinz J, et al. Lancet 1986 Apr 12;1(8485):825-8

Promotion of wound healing by yeast glucan evaluated on single animals. Wolk M, et al. Med Biol 1985;63(2):73-80

Ganglioside-induced regeneration and reestablishment of axonal continuity in spinal cord-transected rats. Bose B, et al. Neurosci Lett 1986 Jan 16;63(2):165-9

Sustained release of epidermal growth factor accelerates wound repair. Buckley A, et al. Proc Natl Acad Sci USA 1985 Nov;82(21):7340-4

Collagen deposition during wound repair. Doillon CJ, et al. Scan Electron Microsc 1985;(Pt 2):897-903

The effect of topical zinc absorption from wounds on growth and the wound healing process in zinc-deficient rats. Hallmans G, et al. Scand J Plast Reconstr Surg 1985;19(2):119-25

Effects of vinblastine, etoposide, cisplatin and bleomycin on rodent wound healing. Smith RW, et al. Surg Gynecol Obstet 1985 Oct;161(4):323-6

Preoperative or postoperative doxorubicin hydrochloride (adriamycin): which is better for wound healing? Lawrence WT, et al. Surgery 1986 Jul;100(1):9-13

The effect of enteral feedings supplemented with pectin on the healing of colonic anastomoses in the rat. Rolandelli RH, et al. Surgery 1986 Jun;99(6):703-7

Effects of intraluminal infusion of short-chain fatty acids on the healing of colonic anastomosis in the rat. Rolandelli RH, et al. Surgery 1986 Aug;100(2):198-204

[Effect of the herbicide Herbazin-50 (simazine) on the wound process in animals] Dinev D, et al. Vet Med Nauki 1986;23(4):39-47 (Eng. Abstr.) (Bul)

[Aids to wound healing. From empirical tradition to a scientific approach] Andrianjatovo J, et al. Chirurgie 1985;111(9):774-81 (Eng. Abstr.) (Fre)

[Cicatrization of open wounds in rats. Effect of azathioprine, cyclosporin A and polyvinyl alcohol] Mirkovitch V, et al. Helv Chir Acta 1985 Jun;52(2):245-7 (Eng. Abstr.) (Fre)

[Effectiveness of tetrachlorodecaoxide (TCDO) in the treatment of complicated disorders of wound healing. A controlled study: TCDO versus PVP-iodine complex] Zenker W, et al. Chirurg 1986 May;57(5):334-9 (Eng. Abstr.) (Ger)

[Effect of flunarizine on healing and necrosis of experimental autografts in the rat] Van de Heyning-Meier JA. Handchir Mikrochir Plast Chir 1985 Nov;17 Suppl:60-1 (Eng. Abstr.) (Ger)

[Stomach ulcer healing with enprostil, an orally effective prostaglandin E2 analog: direct comparative study with ranitidine] Hüttemann W, et al. Z Gastroenterol 1986 May;24(5):252-6 (Eng. Abstr.) (Ger)

[Effect of zinc on wound healing] Niedner R, et al. Z Hautkr 1986 May 15;61(10):741-2 (Eng. Abstr.) (Ger)

[Effect of female sex hormones on the incidence of disordered wound healing following tooth extraction] Gänsicke A, et al. Zahn Mund Kieferheilkd 1986;74(2):131-7 (Eng. Abstr.) (Ger)

[Clinico-experimental studies on the use of hyaluronic acid in skin healing processes. Preliminary data] Celleno L, et al. G Ital Dermatol Venereol 1985 Jul-Aug;120(4):XLVII-LVI (Eng. Abstr.) (Ita)

[Hyaluronic acid in the process of reparation of cutaneous ulcers. Clinical experience] Retanda G. G Ital Dermatol Venereol 1985 Nov-Dec;120(6):LXXI-LXXV (Eng. Abstr.) (Ita)

[Clinico–microbiological investigation of the antiseptic and reparative properties of katoxyn] Donati L, et al. **Minerva Chir** 1986 Apr 30;41(8):715–9 (Eng. Abstr.) (Ita)

[Human fibrin glue in the treatment of injuries of parenchymatous organs. Experimental research] Selvaggi F, et al. **Minerva Chir** 1986 Apr 15;41(7):575–6 (Eng. Abstr.) (Ita)

[Healing of bone tissue in rabbits after administration of chlorpromazine as a calmodulin inhibitor] Sikorski L. **Chir Narzadow Ruchu Ortop Pol** 1985;50(5):361–5 (Eng. Abstr.) (Pol)

[Features of the healing of suppurative wounds in patients undergoing treatment with collagen preparations (histochemical and electron–microscopic study)] Berchenko GN, et al. **Arkh Patol** 1985;47(12):37–44 (Eng. Abstr.) (Rus)

[Endoscopic evaluation of healing of chronic gastric and duodenal ulcers after their local treatment] Buianov VM, et al. **Sov Med** 1985;(12):31–3 (Eng. Abstr.) (Rus)

[Effect of hyaluronidase on the interrelations of the stromal elements of the myocardium in the healing of experimental myocardial infarct] Stavitskiĭ IuL. **Vrach Delo** 1985 Aug;(8):14–6 (Eng. Abstr.) (Rus)

RADIATION EFFECTS

Effect of low–dose argon irradiation on rate of wound closure. McCaughan JS Jr, et al. **Lasers Surg Med** 1985;5(6):607–14

Effect of CO2 laser irradiation on experimental fracture healing: a transmission electron microscopic study. Tang XM, et al. **Lasers Surg Med** 1986;6(3):346–52

Biological effects of laser welding on vascular healing. White RA, et al. **Lasers Surg Med** 1986;6(2):137–41

The influence of a free periosteal transplant on bone healing in the irradiated tibia. A radiological histological and biochemical study on rabbits. Aitasalo K, et al. **Scand J Plast Reconstr Surg** 1985;19(3):237–44

[CO2 lasers in the treatment of trophic ulcers and long–unhealed wounds] Koshelev VN, et al. **Khirurgiia (Mosk)** 1985 Sep;(9):76–80 (Eng. Abstr.) (Rus)

[Sequential–combined laser therapy of long–unhealed defects of the cornea] Chechin PP. **Oftalmol Zh** 1985;(8):467–70 (Eng. Abstr.) (Rus)

[Clinical x–ray characteristics of the healing of mandibular fractures following the use of helium–neon laser radiation] Lomnitskiĭ IIa, et a.. **Stomatologiia (Mosk)** 1985 May–Jun;64(3):38–40 (Eng. Abstr.) (Rus)

WOUND INFECTION

Phialemonium obovatum infection in a burned child. McGinnis MR, et al. **J Med Vet Mycol** 1986 Feb;24(1):51–5

BLOOD

[Effect of hemosorption on blood coagulation system factors in patients with severe suppurative infection] Shimkevich LL, et al. **Vestn Khir** 1986 Apr;136(4):111–4 (Rus)

COMPLICATIONS

Pleural mucormycosis (zygomycosis). Green WR, et al. **Arch Pathol Lab Med** 1986 May;110(5):441–2

Effects of environment on infection in burn patients. Shirani KZ, et al. **Arch Surg** 1986 Jan;121(1):31–6

Prosthetic valve endocarditis developing after an infected scalp laceration. Colley JL, et al. **J Emerg Med** 1985;3(4):269–74

Prosthetic valve endocarditis [editorial] Harken AH. **J Emerg Med** 1985;3(4):307–8

Pseudomonas bursitis: inoculation from a catfish. Broderick A, et al. **Pediatr Infect Dis** 1985 Nov–Dec;4(6):693–4

[Complications of burn infection and the condition of the barrier function of the skin in children with burns] Gusak VK, et al. **Klin Khir** 1986;(3):9–12 (Eng. Abstr.) (Rus)

[Disability as the result of chronic post–traumatic osteomyelitis] Shipliak VM. **Ortop Travmatol Protez** 1986 May;(5):59–61 (Rus)

DIAGNOSIS

[Clinical symptomatology, diagnostic measures, classification] Knapp U. **Langenbecks Arch Chir** 1985;366:365–9 (Ger)

[New type of wound infection and sepsis caused by the marine vibrio V. vulnificus] Ageev AK. **Arkh Patol** 1985;47(8):89–92 (23 ref.) (Eng. Abstr.) (Rus)

[Enzyme test for wound infection] Kamaev MF, et al. **Lab Delo** 1986;(2):119–20 (Rus)

[Rapid method of determining bacterial infection of purulent wounds] Vishnevskaia SM, et al. **Lab Delo** 1986;(2):107–9 (Eng. Abstr.) (Rus)

DRUG THERAPY

The management of anaerobic infection in extensive burns. Ramakrishnan KM, et al. **Burns Incl Therm Inj** 1986 Apr;12(4):270–2

Treatment of wound infections. Klimek JJ. **Cutis** 1985 Nov 15;36(5A):21–4

Experimental efficacy of apalcillin and cefpiramide compared with that of six other antipseudomonal agents in Pseudomonas aeruginosa burn infections. Fu KP, et al. **Drugs Exp Clin Res** 1986;12(4):303–6

The value of adjuvant systemic antibiotic therapy in localised wound infections among hospital patients: a comparative study. Huizinga WK, et al. **J Infect** 1986 Jul;13(1):11–6

Dextranomer dressing in the treatment of infected wounds and cutaneous ulcers. Parulkar BG, et al. **J Postgrad Med** 1985 Jan;31(1):28–33

[Effectiveness of tetrachlorodecaoxide (TCDO) in the treatment of complicated disorders of wound healing. A controlled study: TCDO versus PVP–iodine complex] Zenker W, et al. **Chirurg** 1986 May;57(5):334–9 (Eng. Abstr.) (Ger)

[Therapy of severe hand infections with local penicillin–streptomycin administration] Zifko B. **Handchir Mikrochir Plast Chir** 1985 Nov;17 Suppl:37–43 (Eng. Abstr.) (Ger)

[Effectiveness of ofloxacin in the treatment of wound infections] Roeksaerts F, et al. **Infection** 1986;14 Suppl 1:S89–92 (Eng. Abstr.) (Ger)

[Gentamicin PMMA minichains in infections of the hand] Steinig HJ, et al. **Unfallchirurgie** 1986 Jun;12(3):132–4 (Eng. Abstr.) (Ger)

[Treatment of suppurative wounds with lekopain in a polyclinic] Nagapetian KhO, et al. **Khirurgiia (Mosk)** 1986 Jun;(6):17–21 (Eng. Abstr.) (Rus)

[Trypsin, immobilized on a synthetic matrix, in the treatment of suppurative wounds of the soft tissues] Tolstykh PI, et al. **Khirurgiia (Mosk)** 1985 Nov;(11):102–7 (Eng. Abstr.) (Rus)

[Treatment of suppurative wounds with trypsin immobilized on a cellulose fabric carrier] Bychikhin NP, et al. **Klin Khir** 1986;(1):51–4 (Eng. Abstr.) (Rus)

[Use of immobilized proteinases in the treatment of suppurative wounds] Tolstykh PI, et al. **Sov Med** 1986;(6):33–8 (Eng. Abstr.) (Rus)

[Trypsin, immobilized on a textile cellulose matrix, in the treatment of suppurative wounds of soft tissue] Gostishchev VK, et al. **Vestn Khir** 1985 Jun;134(6):68–71 (Eng. Abstr.) (Rus)

[Experimental and clinical use of various forms of immobilized proteinases and their inhibitors] Gostishchev VK, et al. **Vopr Med Khim** 1985 Jul–Aug;31(4):21–4 (Eng. Abstr.) (Rus)

ETIOLOGY

Susceptibility of laboratory rats, hamsters, and mice to wound infection with Staphylococcus aureus. Donnelly TM, et al. **Am J Vet Res** 1985 Dec;46(12):2634–8

Meaningful statistical analysis [letter] Cales RH. **Ann Emerg Med** 1986 Oct;15(10):1255

Endogenous microbial dissemination following severe burns in rats. Ma L, et al. **Burns Incl Therm Inj** 1986 Jun;12(5):325–9

Human bite wounds of the hand. Faralli VJ, et al. **J Okla State Med Assoc** 1986 Feb;79(2):87–90

Experimental studies of the pathogenesis of infections due to Pseudomonas aeruginosa: immunization using divalent flagella preparations. Holder IA, et al. **J Trauma** 1986 Feb;26(2):118–22

Aeromonas hydrophila hand infection complicating an open Rolando fracture: a case report. Sambandan S. **Med J Malaysia** 1985 Mar;40(1):38–40

Potentiation of infection by epinephrine. Tran DT, et al. **Plast Reconstr Surg** 1985 Dec;76(6):933–4

Phaeohyphomycosis complicating compound skull fracture. Biggs PJ, et al. **Surg Neurol** 1986 Apr;25(4):393–6

Serious wound infections in burned patients. Kagan RJ, et al. **Surgery** 1985 Oct;98(4):640–7

[Infection of wounds with the fungus Absidia corymbifera] Mencl K, et al. **Rozhl Chir** 1985 Sep;64(8–9):572–5 (Eng. Abstr.) (Cze)

[Gas gangrene as a complication of dilatation of the anus] Strange–Vognsen HH, et al. **Ugeskr Laeger** 1985 Dec 2;147(49):4015–6 (Eng. Abstr.) (Dan)

[2 cases of abdominal actinomycosis caused by foreign bodies] Sobański A. **Wiad Lek** 1985 Nov 1;38(21):1536–40 (Eng. Abstr.) (Pol)

[Infectious complications and hospital infection in the resuscitation and intensive therapy departments] Svirskiĭ LM, et al. **Khirurgiia (Mosk)** 1986 May;(5):102–6 (Rus)

[Are microbial factors predominant in the development of post–injection purulent complications?] Fedushchak AL. **Vestn Khir** 1986 Mar;136(3):53–6 (Eng. Abstr.) (Rus)

HISTORY

Wounded by bayonet, ball, and bacteria: medicine and neurosurgery in the American Civil War. Zellem RT. **Neurosurgery** 1985 Nov;17(5):850–60

[Primary pyogenic infections of the hand—a disease picture over the course of time] Flügel M, et al. **Handchir Mikrochir Plast Chir** 1985 Nov;17 Suppl:28–31 (Eng. Abstr.) (Ger)

IMMUNOLOGY

A systematic study of host defense processes in badly injured patients. Polk HC Jr, et al. **Ann Surg** 1986 Sep;204(3):282–99

Lack of correlation between decreased chemotaxis and susceptibility to infection in burned rats. Manktelow A, et al. **J Trauma** 1986 Feb;26(2):143–8

Correlation of immunologic and nutritional status with infectious complications after major abdominal trauma. O'Gorman RB, et al. **Surgery** 1986 May;99(5):549–56

[Effect of levamisole on selected immunological indicators in patients with chronic post–traumatic osteitis] Goc S, et al. **Chir Narzadow Ruchu Ortop Pol** 1985;50(5):390–5 (Eng. Abstr.) (Pol)

[Significance of the initial immunological status of surgical patients for the prognosis of complications] Veselov AIa. **Khirurgiia (Mosk)** 1986 Jun;(6):29–33 (Eng. Abstr.) (Rus)

[Immunological shifts in trauma] Golubev GSh, et al. **Vestn Khir** 1985 Aug;135(8):79–84 (Eng. Abstr.) (Rus)

METABOLISM

Nutrition and general factors influencing infection in burns. Sutherland AB. **J Hosp Infect** 1985 Sep;6 Suppl B:31–42

[Characteristics of various parameters of homeostasis in suppurative–septic complications of severe trauma] Deriabin II, et al. **Vestn Khir** 1985 Jul;135(7):70–3 (Eng. Abstr.) (Rus)

MICROBIOLOGY

Enterococcal burn sepsis. A highly lethal complication in severely burned patients. Jones WG, et al. **Arch Surg** 1986 Jun;121(6):649–53

Effect of bacteria on healing of superficial wounds. Leyden JJ. **Clin Dermatol** 1984 Jul–Sep;2(3):81–5

Wound colonization by Ewingella americana. Bear N, et al. **J Clin Microbiol** 1986 Mar;23(3):650–1

Comparison of quantitative and semiquantitative culture techniques for burn biopsy. Buchanan K, et al. **J Clin Microbiol** 1986 Feb;23(2):258–61

Zygomycosis caused by Apophysomyces elegans. Wieden MA, et al. **J Clin Microbiol** 1985 Oct;22(4):522–6

Infection in burns. Settle JA. **J Hosp Infect** 1985 Sep;6 Suppl B:19–29

Vibrio damsela: another potentially virulent marine vibrio. Coffey JA Jr, et al. **J Infect Dis** 1986 Apr;153(4):800–2

[Wound infections—etiology and antibiotic resistance of pathogens in Czechoslovakia] Zahradnický J. **Z Gesamte Hyg** 1985 Sep;31(9):512–5 (Eng. Abstr.) (Ger)

[Quantitative method of determining the extent of suppurative wound contamination] Ostrin PI, et al. **Sov Med** 1985;(10):99–100 (Rus)

[Ultrastructural basis of the infectious process in skin burns and wound infection] Vtiurin BV, et al. **Vestn Dermatol Venerol** 1985 Aug;(8):20–7 (Eng. Abstr.) (Rus)

[Characteristics of microflora in penetrating wounds of the eye] Gromov SA, et al. **Voen Med Zh** 1986 May;(5):29–32 (Rus)

OCCURRENCE

Incidence of burn wound sepsis in 600 burned patients treated in a developing country. Ramakrishnan KM, et al. **Burns Incl Therm Inj** 1985 Aug;11(6):404–7

PHYSIOPATHOLOGY

Evaluation of the healing process of skin wounds by means of skin absolute value of electrical impedance. Jaskowski J. **Dermatol Monatsschr** 1986;172(4):223–8

PREVENTION & CONTROL

Preventing wound infections. Mancusi–Ungaro HR Jr, et al. **Am Fam Physician** 1986 Apr;33(4):147–53

Antibiotics in penetrating abdominal trauma. Comparison of ticarcillin plus clavulanic acid with gentamicin plus clindamycin. Fabian TC, et al. **Am J Med** 1985 Nov 29;79(5B):157–60

Comparison of cefamandole and carbenicillin in preventing sepsis following penetrating abdominal trauma. Lou MA, et al. **Am Surg** 1985 Oct;51(10):580–6

Efficacy of short–course antibiotic prophylaxis after penetrating intestinal injury. A prospective randomized trial. Dellinger EP, et al. **Arch Surg** 1986 Jan;121(1):23–30

Single–antibiotic use for penetrating abdominal trauma. Nelson RM, et al. **Arch Surg** 1986 Feb;121(2):153–6

Single– versus multiple–dose meziocillin prophylaxis in emergency cesarean section. Jaffe R, et al. **Chemotherapy** 1986;32(2):173–7

Peroperative systemic prophylaxis in colorectal surgery. Haverkorn MJ. **Drugs Exp Clin Res** 1985;11(2):111–4

Antimicrobial treatment of minor soft tissue lacerations: a critical review. Edlich RF, et al. **Emerg Med Clin North Am** 1986 Aug;4(3):561–80 (32 ref.)

Effects of Lactobacillus casei–containing ointment on the healing and protection against opportunistic infection of thermal injury wounds in mice. Horikawa Y. **Hiroshima J Med Sci** 1986 Mar;35(1):1–14

Wound infection following dog bite despite prophylactic penicillin. Skurka J, et al. **Infection** 1986 May–Jun;14(3):134–5

Omiderm, a new synthetic wound covering: physical properties and drug permeability studies. Behar D, et al. **J Biomed Mater Res** 1986 Jul–Aug;20(6):731–8

A prospective trial of prophylactic povidone iodine in lacerations of the hand. Roberts AH, et al. **J Hand Surg [Br]** 1985 Oct;10(3):370–4

Antibiotic prophylaxis and therapy in burns. Gillett AP. **J Hosp Infect** 1985 Sep;6 Suppl B:59–66

A comparative trial between cefotetan and cephazolin for wound sepsis prophylaxis during elective upper gastrointestinal surgery with an investigation of cefotetan penetration into the obstructed biliary tree. Leaper DJ, et al. **J Hosp Infect** 1986 May;7(3):269–76

Active and passive immunization with Pseudomonas aeruginosa ribosomal vaccines and antisera in the burned rat model. Lieberman MM, et al. **J Surg Res** 1986 Feb; 40(2):138–44

Topical chlorhexidine phosphanilate for prophylactic treatment of burns [letter] Loder JS, et al. **N Engl J Med** 1986 May 8;314(19):1256–7

Pulsatile irrigation in orthopedics. Sobel JW, et al. **Orthopedics** 1985 Aug;8(8):1019–22

Diphtheria immunization. Desirability of combined tetanus and diphtheria injection in wound management. Levin PL. **Postgrad Med** 1986 Mar;79(4):139–40

A new povidone–iodine cream for the treatment of burns. Comparison with a standard topical regimen. de Kock M, et al. **S Afr Med J** 1986 Mar 29;69(7):431–5

[Prevention of wound infections in burns with special reference to protective clothing] Hambraeus A, et al. **Z Gesamte Hyg** 1985 Sep;31(9):508–11 (Eng. Abstr.) (Ger)

[Effect of EDTA combined with gentamicin on bacterial flora of burn wounds] Zietkiewicz W, et al. **Pol Tyg Lek** 1985 Aug 12;40(32):904–6 (Eng. Abstr.) (Pol)

[Complex prevention of suppurative–inflammatory complications of chest injury] Murav'ev SM. **Grudn Khir** 1985 Sep–Oct;(5):55–8 (Eng. Abstr.) (Rus)

[Gnotobiologic approach in the treatment of local burns in children] Ginodman GA, et al. **Khirurgiia (Mosk)** 1985 Jul; (7):104–8 (Eng. Abstr.) (Rus)

[A new approach in the complex treatment of open injuries] Novikov FG. **Klin Khir** 1986;(4):28–31 (Eng. Abstr.) (Rus)

[Effect of the local use of activated carbon fiber materials on the course of experimental wounds] Deriabin II, et al. **Vestn Khir** 1985 Aug;135(8):71–5 (Rus)

[A device for the prevention of complications during catheterization of the subclavian vein] Isaev IuV, et al. **Vestn Khir** 1985 Jun;134(6):133–4 (Rus)

RADIOTHERAPY

[Use of the helium–cadmium laser in the treatment of suppurative wounds] Gostishchev VK, et al. **Khirurgiia (Mosk)** 1985 Nov;(11):97–101 (Eng. Abstr.) (Rus)

[Low–intensity laser radiation in the treatment of suppurative wounds] Lupal'tsov VI, et al. **Klin Khir** 1986;(1):41–3 (Eng. Abstr.) (Rus)

[Treatment of suppurative wounds with a helium–cadmium laser] Shekhter AB, et al. **Sov Med** 1986;(2):110–5 (Rus)

[Effect of low–intensity laser radiation on wound microflora] Voltenok NK, et al. **Vestn Khir** 1985 Sep;135(9):54–6 (Eng. Abstr.) (Rus)

SURGERY

Management of infected fractures of the tibia with associated soft tissue loss: experience with external fixation, bone grafting and soft tissue reconstruction using pedicle muscle flaps or microvascular composite tissue grafts. Asko-Seljavaara S, et al. **Br J Plast Surg** 1985 Oct; 38(4):546–55

[A pulsating irrigation device for cleansing contaminated and infected wounds (jet lavage)] Plaumann L, et al. **Chirurg** 1985 Nov;56(11):754–5 (Ger)

[Primary pyogenic infections of the hand and their treatment] Geldmacher J, et al. **Handchir Mikrochir Plast Chir** 1985 Nov;17 Suppl:32–6 (Eng. Abstr.) (Ger)

[Therapeutic principles, organizational and technical implementation] Burri C, et al. **Langenbecks Arch Chir** 1985;366:372–5 (Eng. Abstr.) (Ger)

[Early infection following closed and open shaft fractures] Poigenfürst J. **Langenbecks Arch Chir** 1985;366:380–4 (Eng. Abstr.) (Ger)

[Transplantation of bones in traumatic and posttraumatic septic conditions] Lob G, et al. **Orthopade** 1986 Feb; 15(1):42–9 (Eng. Abstr.) (Ger)

[Gentamicin PMMA minichains in septic bone and soft tissue surgery] Knaepler H, et al. **Unfallchirurg** 1985 Oct; 88(10):457–64 (Eng. Abstr.) (Ger)

[Healing of infected defect wounds of the lower extremity with a pedicled gastrocnemius flap] Labitzke R, et al. **Unfallchirurg** 1985 Dec;88(12):528–32 (Eng. Abstr.) (Ger)

[Treatment of infected tissue defects—experiences with silicon foam dressings] Müller KH, et al. **Unfallchirurg** 1986 Mar;89(3):101–16 (Eng. Abstr.) (Ger)

[Gas gangrene—a report from general practice] Wolf W, et al. **Z Gesamte Hyg** 1985 Aug;31(8):451–2 (Eng. Abstr.) (Ger)

[Treatment of joint infections of the hand] Rauhut F. **Zentralbl Chir** 1986;111(11):654–8 (Eng. Abstr.) (Ger)

[Treatment of suppurative wounds in patients with diabetes mellitus] Nuzov BG. **Khirurgiia (Mosk)** 1986 Jun;(6):21–4 (Eng. Abstr.) (Rus)

[Prevention and treatment of traumatic osteomyelitis] Shumada IV. **Khirurgiia (Mosk)** 1985 Nov;(11):87–90 (Eng. Abstr.) (Rus)

[Evaluation of the effectiveness of a method for the active surgical treatment of suppurative–necrotic diseases of the soft tissues] Kharchenko VG, et al. **Klin Khir** 1986;(1):67–8 (Rus)

[Indicators of the activity of tissue hemostasis in the treatment of extensive suppurative wounds of soft tissues] Kostiuchenok BM, et al. **Sov Med** 1985;(7):20–4 (Eng. Abstr.) (Rus)

[Ultrasound in the treatment of infected wounds] Gostishchev VK, et al. **Vestn Khir** 1986 Jan;136(1):69–70 (Rus)

[Stimulation of reparative osteogenesis in chronic purulent infection by implantation of bone matrix] Osepian IA, et al. **Vestn Khir** 1986 Mar;136(3):95–7 (Eng. Abstr.) (Rus)

THERAPY

Hydrophobized wound dressing in the treatment of experimental Staphylococcus aureus infections in the young pig. Wadström T, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Oct; 93(5):359–63

Oxygen as an antibiotic. A comparison of the effects of inspired oxygen concentration and antibiotic administration on in vivo bacterial clearance. Knighton DR, et al. **Arch Surg** 1986 Feb;121(2):191–5

Human bites of the hand: a study of one hundred six patients. Dreyfuss UY, et al. **J Hand Surg [Am]** 1985 Nov;10(6 Pt 1):884–9

Why I feed patients with trauma and sepsis. McMahon MJ. **Proc Nutr Soc** 1986 Jul;45(2):139–51

[Animal bite injuries and local wound infections in children] Gnehm HE, et al. **Ther Umsch** 1986 Jul;43(7):546–9 (Eng. Abstr.) (Ger)

[Enhanced activity of the protective factors in patients with suppurative surgical infection using interferon preparations] Karlov VA, et al. **Antibiot Med Biotekhnol** 1985 Oct; 30(10):770–3 (Eng. Abstr.) (Rus)

[Use of iodopyrone in the complex treatment of burn infection] Sologub VK, et al. **Khirurgiia (Mosk)** 1985 Nov; (11):92–5 (Eng. Abstr.) (Rus)

[Treatment of poorly–granulating wounds and trophic ulcers in children using low–frequency ultrasound and radiation from a helium–neon laser] Volkov VV, et al. **Khirurgiia (Mosk)** 1985 Jul;(7):72–6 (Rus)

[Method of treating a suppurative wound] Elovoi MM. **Klin Khir** 1986;(1):71 (Rus)

[Clinico–experimental study of the effect of ultrasonic cavitation on microorganisms] Chaplinskii VV, et al. **Ortop Travmatol Protez** 1985 Aug;(8):29–32 (Eng. Abstr.) (Rus)

[Effect of a controlled abacterial environment on the Pseudomonas aeruginosa infection of suppurative wounds] Samykina TD. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Mar;(3):21–5 (Eng. Abstr.) (Rus)

[Treatment with hydrophobic dressings hastens healing of infected wounds] Wadström T, et al. **Lakartidningen** 1986 Jul 23;83(30–31):2548–50 (Eng. Abstr.) (Swe)

WOUNDS AND INJURIES

see related
DEBRIDEMENT
FIRST AID
TRANSPORTATION OF PATIENTS

Trauma: an annotated bibliography of the recent literature. McCabe CJ. **Am J Emerg Med** 1986 Jul;4(4):374–82

Research in trauma. Lucas CE. **Can J Surg** 1985 Nov; 28(6):481

Lightning injuries. Cwinn AA, et al. **J Emerg Med** 1985; 2(5):379–88 (24 ref.)

Entre Amis: 1985 presidential address, American Association for the Surgery of Trauma. Mulder DS. **J Trauma** 1986 Mar;26(3):207–16

Overwhelming trauma. Wiedeman JE, et al. **Milit Med** 1985 Dec;150(12):648–51

Multisystem trauma. Ryckman FC, et al. **Surg Clin North Am** 1985 Oct;65(5):1287–302 (41 ref.)

Splenic conservation after multiple trauma in adults. Flancbaum L, et al. **Surg Gynecol Obstet** 1986 May; 162(5):469–73

[Pregnancy and traffic accidents] Beco J, et al. **Rev Med Liege** 1986 Feb 1;41(3):75–83 (17 ref.) (Fre)

[Professional terminology of polytrauma] Kaplan AW, et al. **Beitr Orthop Traumatol** 1985 Aug;32(8):387–90 (Eng. Abstr.) (Ger)

[Iatrogenic errors in the examination and treatment of children with surgical diseases] Akzhigitov GN, et al. **Khirurgiia (Mosk)** 1985 Jul;(7):120–4 (Rus)

[Russian literature on traumatology and orthopedics] Martynova NV, et al. **Ortop Travmatol Protez** 1986 May; (5):70–2 (Rus)

[Bicycling injuries in the geriatric population] Dunjić D, et al. **Srp Arh Celok Lek** 1985 Nov–Dec;113(11–12):1031–5 (Eng. Abstr.) (Scc)

BLOOD

Plasma fibronectin is sequestered into tissue damaged by inflammation and trauma. Gauperaa T, et al. **Acta Chir Scand** 1986 Feb;152:85–90

The low T3 state. An experimental study. Madsen M. **Acta Chir Scand [Suppl]** 1986;532:1–57

Reversal of opsonic deficiency in surgical, trauma, and burn patients by infusion of purified human plasma fibronectin. Correlation with experimental observations. Saba TM, et al. **Am J Med** 1986 Feb;80(2):229–40

Trauma serum suppresses superoxide production by normal neutrophils. Lanser ME, et al. **Arch Surg** 1986 Feb; 121(2):157–62

Posttraumatic complications and inflammatory mediators. Nuytinck JK, et al. **Arch Surg** 1986 Aug;121(8):886–90

Biological markers of alcohol intake among 4796 subjects injured in accidents. Papoz L, et al. **Br Med J [Clin Res]** 1986 May 10;292(6530):1234–7

The relationship of plasma catecholamines to acute metabolic and hormonal responses to injury in man. Frayn KN, et al. **Circ Shock** 1985;16(3):229–40

Comprehensive toxicology screening in patients admitted to a university trauma center. Bailey DN. **J Anal Toxicol** 1986 Jul–Aug;10(4):147–9

Fibronectin depletion and microaggregate clearance following trauma. Rogers FB, et al. **J Trauma** 1986 Apr; 26(4):339–42

Elevation of serum pancreatic secretory trypsin inhibitor (PSTI) in patients with serious injury. Ogawa M, et al. **Res Commun Chem Pathol Pharmacol** 1985 Nov; 50(2):259–66

Neurohumoral interactions in the posttraumatic period and possibilities of their correction. Bazarevitch GJ, et al. **Resuscitation** 1986 Jan;13(2):115–21

Serial changes in primary hemostasis after massive transfusion. Harrigan C, et al. **Surgery** 1985 Oct; 98(4):836–44

[The effect of intraperitoneal administration of dextran solutions on the hemorheologic properties of blood in the traumatized animal] Mladenović V. **Vojnosanit Pregl** 1986 Mar–Apr;43(2):109–15 (Eng. Abstr.) (Scr)

CLASSIFICATION

Multinomial logit analysis of injury severity in U.S. underground bituminous coal mines, 1975–1982. Bennett JD, et al. **Accid Anal Prev** 1985 Oct;17(5):399–408

Evaluation of injury mechanism as a criterion in trauma triage. Lowe DK, et al. **Am J Surg** 1986 Jul;152(1):6–10

A method for evaluating field triage criteria. West JG, et al. **J Trauma** 1986 Jul;26(7):655–9

The Trauma Score as a triage tool in the prehospital setting. Morris JA Jr, et al. **JAMA** 1986 Sep 12;256(10):1319–25

[Value of the injury severity score (ISS)] Schneck HJ, et al. **Aktuel Traumatol** 1985 Dec;15(6):249–53 (Eng. Abstr.) (Ger)

[Classification of the severity of injury] Oestern HJ, et al. **Unfallchirurg** 1985 Nov;88(11):465–72 (Eng. Abstr.) (Ger)

[Classification of children's injuries. What is its status?] Anisimov VS. **Ortop Travmatol Protez** 1986 Jan;(1):63–5 (Rus)

COMPLICATIONS

Cytology of nephrogenic adenoma of the urinary bladder. A report of four cases. Stilment M, et al. **Acta Cytol (Baltimore)** 1986 Jan–Feb;30(1):35–40

Role of alcohol use and abuse in trauma. Reilly EL, et al. **Adv Psychosom Med** 1986;16:17–30

Quadriplegia in diffuse–idiopathic skeletal hyperostosis after minor trauma [letter] Yagan R, et al. **AJR** 1986 Oct; 147(4):858–9

Anorexia nervosa following trauma [letter] O'Shanick GJ, et al. **Am J Psychiatry** 1986 Jan;143(1):122–3

Hypokalemia in trauma patients. Shin B, et al. **Anesthesiology** 1986 Jul;65(1):90–2

Acute plastic bowing fractures in children. Komara JS, et al. **Ann Emerg Med** 1986 May;15(5):585–8

Influence of trauma on initiation of Reiter's syndrome and ankylosing spondylitis [letter] Masson G, et al. **Ann Rheum Dis** 1985 Dec;44(12):860–1

The potential development of tetanus in wounded patients with AIDS: tetanus toxoid and tetanus immune globulin [letter] Furste W. **Arch Surg** 1986 Mar;121(3):367

Bone imaging showing incidental radionuclide exudate. Palazzo WL. **Clin Nucl Med** 1986 Mar;11(3):203

Exogenous factors affecting the nails. Cosmetics, trauma, and occupational influences. Scott DA, et al. **Dermatol Clin** 1985 Jul;3(3):409–13

Post–traumatic headache patients I: Demographics, injuries, headache and health status. Barnat MR. **Headache** 1986 Jun;26(6):271–7

Further work concerning a case of Am contamination in the lateral axillary lymph nodes. Jefferies SJ, et al. **Health Phys** 1986 Jun;50(6):839–42

The validity of psychiatric diagnosis under conditions of physical trauma: a pilot study. Silverman JJ, et al. **Int J Psychiatry Med** 1985–86;15(3):277–81

Polyvalent immunoglobulins for prophylaxis of bacterial infections in patients following multiple trauma. A randomized, placebo–controlled study. Glinz W, et al. **Intensive Care Med** 1985;11(6):288–94

Mechanisms of immunosuppression associated with severe nonthermal traumatic injuries in man: production of interleukin 1 and 2. Rodrick ML, et al. **J Clin Immunol** 1986 Jul;6(4):310–8

Puncture wound osteomyelitis [letter] Jacobs NM, et al. **J Pediatr** 1985 Oct;107(4):645

Traumatic hyphema. Crouch ER Jr. **J Pediatr Ophthalmol Strabismus** 1986 Mar-Apr;23(2):95-7

Traumatic total hyphema in a patient with severe hemophilia. Lifshitz T, et al. **J Pediatr Ophthalmol Strabismus** 1986 Mar-Apr;23(2):80-1

Pro steroids for systemic antifibrinolytic treatment for traumatic hyphema. Romano PE. **J Pediatr Ophthalmol Strabismus** 1986 Mar-Apr;23(2):92-5

The early diagnosis of impending coagulopathies following surgery and multiple trauma. Watkins J, et al. **Klin Wochenschr** 1985 Oct 1;63(19):1019-27

Predicting posttrauma functional disability for individuals without severe brain injury. MacKenzie EJ, et al. **Med Care** 1986 May;24(5):377-87

On stages of postdenervational disturbances in functioning of the human salivary parotid gland (a concise report). Levin SL. **Neurosci Lett** 1986 May 15;66(2):187-92

Cervical spine fractures with major associated trauma. Reiss SJ, et al. **Neurosurgery** 1986 Mar;18(3):327-30

Osseous hypomobility. Hecker R, et al. **Oral Surg Oral Med Oral Pathol** 1986 Aug;62(2):135-7

Stress-related, posttraumatic chronic pain syndrome: criteria for diagnosis, and preliminary report on prevalence. Muse M. **Pain** 1985 Nov;23(3):295-300

Electrodiagnostic abnormalities in 15 patients with posttraumatic syringomyelia: pre- and postoperative studies. Dyro FM, et al. **Paraplegia** 1985 Aug;23(4):233-42

Management of perirenal hematoma found during laparotomy in patient with multiple injuries. Cass AS, et al. **Urology** 1985 Dec;26(6):546-9

Polytrauma in the elderly. Marx AB, et al. **World J Surg** 1986 Apr;10(2):330-5

[Pathogenesis and differential diagnosis of traumatic fat embolisms] Kroupa J. **Rozhl Chir** 1985 Sep;64(8-9):561-71 (Eng. Abstr.) (Cze)

[Evaluation of respiration and circulation using oxygenation parameters in severely injured patients] Sýkora V, et al. **Rozhl Chir** 1986 Jan;65(1):33-41 (Eng. Abstr.) (Cze)

[Shock with multiple organ involvement in a 54-year-old patient 6 weeks after a fall from a moped] Krawietz W, et al. **Internist (Berlin)** 1986 Apr;27(4):254-8 (Ger)

[Differential diagnosis of posttraumatic pulmonary infiltrates] Treugut H, et al. **Radiologe** 1986 Jan;26(1):21-6 (Eng. Abstr.) (Ger)

[Prevention of gastroduodenal stress lesions with secretion inhibitors in accident patients needing intensive care: incidence of lesions and adverse effects; consequences] Barandun J, et al. **Schweiz Med Wochenschr** 1985 Jul 20; 115(29):1022-3 (Eng. Abstr.) (Ger)

[Transfusion as passive anti-tetanus prevention in injured patients in shock] Erdös G, et al. **Orv Hetil** 1986 Jan 5; 127(1):9-14 (Eng. Abstr.) (Hun)

[Comparison between imidazole-2-hydroxybenzoate and prindinole mesylate in the treatment of post-traumatic muscular pain] Monteleone R, et al. **Boll Chim Farm** 1985 Aug;124(8):102S-107S (Eng. Abstr.) (Ita)

[Multiple trauma with fractures] Sugimoto T. **Nippon Seikeigeka Gakkai Zasshi** 1985 Dec;59(12):1133-40 (Jpn)

[Traumatic pneumopericardium] Krag LE. **Tidsskr Nor Laegeforen** 1985 Sep 20;105(26):1787 (Eng. Abstr.) (Nor)

[Traumatic tympanic membrane perforations] Lievaag G, et al. **Tidsskr Nor Laegeforen** 1986 Apr 20;106(10):817-9 (Eng. Abstr.) (Nor)

[Differential diagnosis and treatment of disorders of kidney excretory function and acute kidney failure in the post-resuscitation period in patients with massive blood loss and trauma] Zolotokrylina ES, et al. **Anesteziol Reanimatol** 1985 May-Jun;(3):44-8 (Eng. Abstr.) (Rus)

[Early diagnosis and pathogenetic treatment of fat embolism in multiple and combined injuries] Kuz'menko VV, et al. **Khirurgiia (Mosk)** 1985 Nov;(11):26-31 (Eng. Abstr.) (Rus)

[Posttraumatic cholecystitis (a review of the literature)] Sorokin AS. **Khirurgiia (Mosk)** 1986 Jul;(7):136-41 (73 ref.) (Rus)

[Comparative evaluation of disability in traffic and transportation and occupational injuries and means of decreasing them] Balakina VS, et al. **Ortop Travmatol Protez** 1986 May;(5):56-9 (Rus)

[Post-traumatic cholecystitis] Grinev MV, et al. **Vestn Khir** 1986 Apr;136(4):71-5 (Eng. Abstr.) (Rus)

[Role of endogenous compression in the etiopathogenesis of traumatic diseases and complications] Gugushvili LL, et al. **Vestn Khir** 1985 Dec;135(12):58-62 (Eng. Abstr.) (Rus)

[Prevention of shock in severe mechanical trauma] Martinkus AV. **Voen Med Zh** 1986 Feb;(2):48-9 (Rus)

[Posttraumatic osteomyelitis] Tkachenko SS, et al. **Voen Med Zh** 1986 Apr;(4):52-5 (Rus)

[Post-traumatic gastroduodenal ulceration] Djurović V, et al. **Srp Arh Celok Lek** 1985 Nov-Dec;113(11-12):991-6 (Eng. Abstr.) (Sec)

DIAGNOSIS

Accuracy and relationship of mechanisms of injury, trauma score, and injury severity score in identifying major trauma. Long WB, et al. **Am J Surg** 1986 May;151(5):581-4

Progress in surgical emergency care: improvement in accuracy of diagnosis in a university hospital in France. Murat JE, et al. **Am J Surg** 1986 Jun;151(6):710-1

Prehospital Index: a scoring system for field triage of trauma victims. Koehler JJ, et al. **Ann Emerg Med** 1986 Feb; 15(2):178-82

Trauma triage--a comparison of the trauma score and the vital signs score. Deane SA, et al. **Aust NZ J Surg** 1986 Mar;56(3):191-7

Otolaryngologic emergencies. Humphreys BF. **Emerg Med Clin North Am** 1986 Aug;4(3):605-15

Renal trauma found during laparotomy for intra-abdominal injury. Cass AS, et al. **J Trauma** 1985 Oct;25(10):997-1000

Rating AIS severity using emergency department sheets vs. inpatient charts. MacKenzie EJ, et al. **J Trauma** 1985 Oct; 25(10):984-8

Trauma and other noninfectious problems in homosexual men. Bush RA Jr, et al. **Med Clin North Am** 1986 May; 70(3):549-66

Rapid and phased evaluation of the acutely ill or traumatized patient. Griffin GD, et al. **Milit Med** 1985 Oct; 150(10):534-41

Soft tissue injuries and physiotherapy [letter] Lamont MK. **NZ Med J** 1985 Dec 11;98(792):1057

Changing spectrum of serious child abuse. Bergman AB, et al. **Pediatrics** 1986 Jan;77(1):113-6

Trauma injuries. Triage and stabilization for safe transfer. Moylan JA. **Postgrad Med** 1985 Oct;78(5):166-71, 174-5, 177

[School accidents in the municipality of Arhus 1982-1983. II. Severity of injuries] Nielsen FF, et al. **Ugeskr Laeger** 1986 Jul 21;148(30):1917-20 (Eng. Abstr.) (Dan)

[The comatose accident patient with hypotension: a diagnostic and therapeutic dilemma?] Draaisma JM, et al. **Ned Tijdschr Geneeskd** 1985 Nov 2;129(44):2097-100 (Dut)

[Significance of ultrasound study in accident surgery] Lorenz G, et al. **Aktuel Traumatol** 1985 Oct;15(5):187-94 (Eng. Abstr.) (Ger)

[Early measurement of intracranial pressure in polytrauma with associated craniocerebral trauma. I: Principles] Pfenninger E, et al. **Aktuel Traumatol** 1985 Dec;15(6):243-8 (Eng. Abstr.) (Ger)

[Clinical symptomatology, diagnostic measures, classification] Knapp U. **Langenbecks Arch Chir** 1985; 366:365-9 (Ger)

[Diagnosis and clinical aspects of child abuse] Lemburg P. **Monatsschr Kinderheilkd** 1986 Jun;134(6):319-21 (Eng. Abstr.) (Ger)

[Etiology of trauma and diagnosis in road traffic injuries] Nagnibeda AN, et al. **Vestn Khir** 1985 Sep;135(9):80-3 (Eng. Abstr.) (Rus)

DRUG THERAPY

Classification and treatment of chronic nonhealing wounds. Successful treatment with autologous platelet-derived wound healing factors (PDWHF). Knighton DR, et al. **Ann Surg** 1986 Sep;204(3):322-30

Epinephrine lowers subcutaneous wound oxygen tension. Jensen JA, et al. **Curr Surg** 1985 Nov-Dec;42(6):472-4

Portable thermogram technique for topically applied benzydamine cream in acute soft-tissue injuries. Haig G. **Int J Tissue React** 1986;8(2):145-7

Fenoprofen calcium versus aspirin in the treatment of acute inflammatory soft-tissue injuries. McIlwain HH. **J Med** 1985;16(4):429-38

Re: Prophylactic povidone-iodine spray in accidental wounds [letter] Gately JF. **J R Coll Surg Edinb** 1986 Apr; 31(2):124

Insulin stimulates branched chain amino acid uptake and diminishes nitrogen flux from skeletal muscle of injured patients. Brooks DC, et al. **J Surg Res** 1986 Apr; 40(4):395-405

ECONOMICS

The impact of prospective reimbursement on trauma centers. An alternative payment plan. Jacobs LM, et al. **Arch Surg** 1986 Apr;121(4):479-83

Medical care costs of intrafamily assault and homicide. Straus MA. **Bull NY Acad Med** 1986 Jun;62(5):556-61

The effect of prospective reimbursement on trauma patients. Jacobs LM. **Conn Med** 1985 Oct;49(10):662-6

[Body lesions with an accidental character] Ramseier EW. **Ther Umsch** 1985 Sep;42(9):572-7 (Eng. Abstr.) (Ger)

[Cost of treatment in resuscitation and intensive care departments of pediatric hospitals in injuries] Anisimov VS. **Ortop Travmatol Protez** 1985 Oct;(10):47-8 (Rus)

ENZYMOLOGY

Lactate dehydrogenase-6: a case with acute onset and resolution. Flynn MM, et al. **Clin Chem** 1986 Mar;32(3):562

Urinary proteinase activity in patients with multiple traumatic injuries, sepsis, or acute renal failure. Wanner C, et al. **J Lab Clin Med** 1986 Sep;108(3):224-9

[The PMN elastase plasma level, a biochemical parameter of the severity of trauma] Dittmer H, et al. **Chirurg** 1985 Nov;56(11):723-7 (Eng. Abstr.) (Ger)

ETIOLOGY

International workshop on the methodology of modelling road accident and injury patterns. Benjamin TE. **Accid Anal Prev** 1986 Apr;18(2):75-7

Childhood pedestrian injury: a pilot study concerning etiology. Christoffel KK, et al. **Accid Anal Prev** 1986 Feb; 18(1):25-35

Statistical modelling of injury severity, with special reference to driver and front seat passenger in single-vehicle crashes. Hutchinson TP. **Accid Anal Prev** 1986 Apr;18(2):157-67

Pedestrian injury. The next motor vehicle injury challenge. Tanz RR, et al. **Am J Dis Child** 1985 Dec;139(12):1187-90

Perceptions and beliefs of nursing and medical personnel about needle-handling practices and needlestick injuries. Jackson MM, et al. **Am J Infect Control** 1986 Feb; 14(1):1-10

Collisions with passenger cars and moose, Sweden. Björnstig U, et al. **Am J Public Health** 1986 Apr;76(4):460-2

Sexually related trauma: a review. Elam AL, et al. **Ann Emerg Med** 1986 May;15(5):576-84 (151 ref.)

CPR-induced trauma: comparison of three manual methods in an experimental model. Kern KB, et al. **Ann Emerg Med** 1986 Jun;15(6):674-9

The pathophysiology of free-fall injury. Warner KG, et al. **Ann Emerg Med** 1986 Sep;15(9):1088-93

Penetrating injury of rectum caused by fall in shower. Kelly SB. **Arch Emerg Med** 1986 Jun;3(2):115-8

Driver behaviour of ethanol-impaired non-vehicular trauma victims. Maull KI, et al. **Arch Emerg Med** 1986 Mar; 3(1):16-9

Injury pattern analysis of helicopter wire strike accidents (-Gz load). Farr WD, et al. **Aviat Space Environ Med** 1985 Dec;56(12):1216-9

Vibration induced injury [editorial] Färkkilä M. **Br J Ind Med** 1986 Jun;43(6):361-2

Scarves and skiing [letter] LaRoche GR. **Can Med Assoc J** 1986 Apr 15;134(8):865-6

ATVs: a new safety hazard? Michaels E. **Can Med Assoc J** 1986 Mar 1;134(5):540-2

Underfoot accidents. Baxter CE, et al. **Ergonomics** 1985 Jul; 28(7):959-63

Falls in the healthy elderly: predisposing causes. Gabell A, et al. **Ergonomics** 1985 Jul;28(7):965-75

Slipping, tripping and falling accidents to delivery drivers. Nicholson AS, et al. **Ergonomics** 1985 Jul;28(7):977-91

Ethanol trauma syndrome (ETS). Abrams ME. **Iowa Med** 1986 Mar;76(3):120-4

The spectrum of agricultural trauma. Cogbill TH, et al. **J Emerg Med** 1985;3(3):205-10

Three-wheeler injuries in southeast Georgia. Susman TM, et al. **J Med Assoc Ga** 1986 Jan;75(1):26-7, 33

A practical guide to local cold injuries. Riddell DI. **J R Nav Med Serv** 1986 Spring;72(1):20-5

The potentiating effects of alcohol on driver injury. Waller PF, et al. **JAMA** 1986 Sep 19;256(11):1461-6

The role of the weapon in the homicide drama. Sarvesvaran R, et al. **Med Law** 1985;4(4):315-26

"Dumpster-diving injuries" [letter]Zera RT, et al. **N Engl J Med** 1986 Jan 30;314(5):319

Traumatic job injury rate needs to be examined, decreased. Polakoff PL. **Occup Health Saf** 1985 Nov;55(11):83-4

Patterns of walker use and walker injury. Rieder MJ, et al. **Pediatrics** 1986 Sep;78(3):488-93

Life-threatening injuries resulting from sleepwalking and night terrors. Rauch PK, et al. **Psychosomatics** 1986 Jan; 27(1):62-4

The South African Defence Force physical training programme. Part III. Exertion-related injuries sustained at an SADF basic training centre. Gordon NF, et al. **S Afr Med J** 1986 Apr 12;69(8):491-4

[Sledding accidents. An evaluation of the hazards of different types of sleds] Jensen G, et al. **Ugeskr Laeger** 1985 Nov 11;147(46):3739-40 (Eng. Abstr.) (Dan)

[Accidents at a large playground] Olsen PA, et al. **Ugeskr Laeger** 1986 May 26;148(22):1372-4 (Eng. Abstr.) (Dan)

[Falling episodes among hospitalized elderly. A 4-year prospective study at a long-term care department] Yde K. **Ugeskr Laeger** 1986 Feb 10;148(7):380-4 (Eng. Abstr.) (Dan)

[Hospitalization because of injuries intentionally inflicted by others] Hoogendoorn D. **Ned Tijdschr Geneeskd** 1986 Jun 7;130(23):1063-5 (Eng. Abstr.) (Dut)

[Bodily injuries to spectators and athletes at soccer matches. A criminal phenomenological study of diverging forms of delinquency in sports] Schmitt B. **Arch Kriminol** 1985 Nov-Dec;176(5-6):171-83 (Ger)

[Frontal collision in the reclining-sitting position. Medical and legal aspects] Möllhoff G. **Z Rechtsmed** 1985; 95(4):277-83 (Eng. Abstr.) (Ger)

[Falls in a geriatric department] Asbjørnsen G, et al. **Tidsskr Nor Laegeforen** 1986 Jun 10;106(16):1414-6 (Eng. Abstr.) (Nor)

[Preliminary results of studies of the incidence, causes and effects of occupational accidents in the Belchatow Industrial District. I. Direct causes of occupational accidents] Adamczyk Z, et al. **Med Pr** 1986;37(2):107-12 (Eng. Abstr.) (Pol)

[Accidents and injuries among the rural population] Dziak A. **Pol Tyg Lek** 1985 Oct 21;40(42):1169-72 (Eng. Abstr.) (Pol)

[Indicators of trauma risk of non-rail passenger

transportation] Elkin PA. **Ortop Travmatol Protez** 1985 Sep;(9):59–61 (Rus)
[Characteristics of injuries after falls from heights] Kaplan MB. **Ortop Travmatol Protez** 1986 Feb;(2):21–5 (Eng. Abstr.) (Rus)

HISTORY

[Memoirs of the Napoleonic wars: the viewpoint of the wounded and their physicians] Rüttimann B. **Gesnerus** 1985;42(3–4):399–413 (Eng. Abstr.) (Fre)
[Assistance offered by the population of Nagorny Karabakh to the wounded during World War II] Boziian ZhA. **Sov Zdravookhr** 1985;(11):60–2 (Rus)
[Experimental studies on explosion injuries during the war years] Bakuradze AN. **Zh Vyssh Nerv Deiat** 1985 Jul–Aug; 35(4):791–4 (Rus)

IMMUNOLOGY

Augmentation of NK cell activity by a circulating peptide isolated from the plasma of trauma patients. Morrison G, et al. **Ann Surg** 1986 Jan;203(1):21–4
Depression of cellular immunity after major injury. Its association with posttraumatic complications and its reversal with immunomodulation. Faist E, et al. **Arch Surg** 1986 Sep;121(9):1000–5
Prevention of posttraumatic alterations in lymphocyte subpopulations in mice by immunomodulating drugs. Zapata-Sirvent R, et al. **Arch Surg** 1986 Jan;121(1):116–22
Hepatic macrophage complement receptor clearance function following injury. Cuddy BG, et al. **J Surg Res** 1986 Mar;40(3):216–24
Immunomodulating drugs increase resistance against sepsis in traumatized mice. Hansbrough JF, et al. **J Trauma** 1986 Jul;26(7):625–30
The effect of trauma on serum C3 activation and its correlation with injury severity score in man. Kapur MM, et al. **J Trauma** 1986 May;26(5):464–6
Elevation of circulating beta-endorphin levels with concomitant depression of immune parameters after traumatic injury. Levy EM, et al. **J Trauma** 1986 Mar; 26(3):246–9
[Neutrophil function in surgical trauma patients] Sheng HS. **Chung Hua Wai Ko Tsa Chih** 1985 Jul;23(7):439–42 (29 ref.) (Chi)
[Combined parenteral and enteral nutrition in multiple injuries] Procházka M, et al. **Acta Chir Orthop Traumatol Cech** 1986 Jun;53(3):219–24 (Eng. Abstr.) (Cze)

METABOLISM

PMN superoxide radical production following a metabolic–endocrine simulation of trauma. Moon BC, et al. **Ann Surg** 1986 Mar;203(3):246–9
Metabolism after trauma and in sepsis. Stoner HB. **Circ Shock** 1986;19(1):75–87 (56 ref.)
Lipid peroxidation in experimental septic rats. Takeda K, et al. **Crit Care Med** 1986 Aug;14(8):719–23
Hepatic drug clearance following traumatic injury. Slaughter RL, et al. **Drug Intell Clin Pharm** 1985 Nov;19(11):799–806 (78 ref.)
Comparison of monoglyceryl acetoacetate and glucose as parental energy substrate after experimental trauma. Kirvelä OK, et al. **Eur Surg Res** 1986;18(2):80–5
The metabolic response to injury: mechanisms and clinical implications. Michelsen CB, et al. **J Bone Joint Surg [Am]** 1986 Jun;68(5):782–7 (45 ref.)
Collagen and fibronectin in a healing skeletal muscle injury. An immunohistological study of the effects of physical activity on the repair of injured gastrocnemius muscle in the rat. Lehto M, et al. **J Bone Joint Surg [Br]** 1985 Nov; 67(5):820–8
Hormonal blockade modifies post-traumatic protein catabolism. Hulton N, et al. **J Surg Res** 1985 Oct; 39(4):310–5
The effect of nifedipine, nimodipine and nisoldipine on agonist- and trauma-stimulated vascular prostacyclin synthesis in vitro. Jeremy JY, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Jan; 332(1):70–3
Pharmacokinetics of theobromine in male rats in different traumatic conditions. Bortolotti A, et al. **Res Commun Chem Pathol Pharmacol** 1985 Oct;50(1):35–44
Thrombin activity appearing on the vessel wall after trauma. Dryjski M, et al. **Thromb Haemost** 1985 Dec 17;54(4):773–5
[Indirect calorimetry in the artificially respirated polytraumatized patient. I. Studies in adults] Semsroth M. **Infusionsther Klin Ernahr** 1985 Oct;12(5):213–37 (Eng. Abstr.) (Ger)
[Kinetics of mezlocillin in injured subjects] Cingolani ML, et al. **Boll Soc Ital Biol Sper** 1986 Apr 30;62(4):479–86 (Eng. Abstr.) (Ita)
[Dynamics of nucleic acid synthesis in the granulation tissue of skin wounds in the rat] Silaeva SA, et al. **Vopr Med Khim** 1986 May–Jun;32(3):126–31 (Eng. Abstr.) (Rus)

MORTALITY

Projected mortality from injuries. Whitfield RA, et al. **Accid Anal Prev** 1985 Oct;17(5):367–71
Motorcycle fatalities in Sweden. Björnstig UL, et al. **Acta Chir Scand** 1985;151(7):577–81
Motor vehicle accidents in northeastern Ontario: are preadmission deaths inevitable? Bota GW, et al. **Can Med Assoc J** 1986 Jun 15;134(12):1369–72
On the power of a method for comparing survival of trauma patients to a standard survival curve. Taylor MS, et al. **Comput Biol Med** 1986;16(1):1–6
Factors influencing survival of elderly trauma patients. Horst HM, et al. **Crit Care Med** 1986 Aug;14(8):681–4
Injuries as the cause of mortality among Delaware residents, 1978–1982. Rodriguez JG, et al. **Del Med J** 1986 Jun; 58(6):397–404, 409
Injuries: the number one threat to our children. Baker SP. **Dimens Health Serv** 1985 Apr;62(4):30–2
Free falls from heights: a persistent urban problem. Ramos SM, et al. **J Natl Med Assoc** 1986 Feb;78(2):111–5
Traumatic workplace deaths in Allegheny County, Pennsylvania, 1983 and 1984. Parkinson DK, et al. **J Occup Med** 1986 Feb;28(2):100–2
Trends and characteristics of road traffic accidents in Nigeria. Ezenwa AO. **J R Soc Health** 1986 Feb;106(1):27–9
Preventable trauma deaths: Dade County, Florida. Kreis DJ Jr, et al. **J Trauma** 1986 Jul;26(7):649–54
The probability of dying of injuries by the year 2000. Budnick LD, et al. **JAMA** 1985 Dec 20;254(23):3350–2
Alcohol-associated teenage deaths: United States, 1980 [letter] Miller RW, et al. **JAMA** 1985 Dec 20;254(23):3308
Fatal accidental falls among the elderly—the Metro Dade County experience, 1981–83. Copeland AR. **Med Sci Law** 1985 Jul;25(3):172–5
Premature mortality due to unintentional injuries—United States, 1983. **MMWR** 1986 Jun 6;35(22):353–6
Epidemiology, mortality and morbidity in multiple trauma patients. Gustilo RB, et al. **Orthopedics** 1985 Dec; 8(12):1523–8
Epidemiology of violent deaths in children and adolescents in the United States. Rivara FP. **Pediatrician** 1983–85; 12(1):3–10
Driving safety and adolescent behavior. Brown RC, et al. **Pediatrics** 1986 Apr;77(4):603–7
Risk factors for traumatic infant death in Oregon, 1973 to 1982. Emerick SJ, et al. **Pediatrics** 1986 Apr;77(4):518–22
A statewide motor vehicle injury surveillance system. Emergency room vehicular injury cases are heavily weighted toward adolescents, younger adults, and males. Rockett I, et al. **RI Med J** 1986 Feb;69(2):67–70
A profile of injury mortality in Rhode Island, 1980–1982. Rockett IR. **RI Med J** 1985 Dec;68(12):543–7
Accident mortality among men of working ages. **Stat Bull Metrop Insur Co** 1986 Jul–Sep;67(3):18–24
Recreational boating fatalities: 1978–82. **Stat Bull Metrop Insur Co** 1984 Apr–Jun;65(2):2–6
Accident death toll continued to decline in 1983. **Stat Bull Metrop Insur Co** 1984 Apr–Jun;65(2):22–3
Drinking and driving. **Stat Bull Metrop Insur Co** 1984 Jul–Sep;65(3):2–6
Accident death toll: 1984. **Stat Bull Metrop Insur Co** 1985 Apr–Jun;66(2):24–7
[Natural death after trauma? Inadequate use of medico-legal death certificate] Lindberg SF. **Ugeskr Laeger** 1986 May 5;148(19):1171–2 (Eng. Abstr.) (Dan)
[Accidents and health of children and adolescents] Lorenz K. **Arztl Jugendkd** 1986 Feb;77(1):46–9 (Eng. Abstr.) (Ger)
[Death due to traffic accidents on the Tomei Highway] Hirase F. **Nippon Hoigaku Zasshi** 1985 Dec;39(6):486–98 (Eng. Abstr.) (Jpn)
[Injuries to car occupants caused by collisions with elks] Björnstig U, et al. **Lakartidningen** 1986 Apr 23; 83(17):1590–2 (Eng. Abstr.) (Swe)

NURSING

Tell it like it is. A realistic approach to wound documentation. Cuzzell JZ. **Am J Nurs** 1986 May; 86(5):600–1
Developing a CE program in trauma/disaster care. Chamings P, et al. **Nurs Outlook** 1986 Jul–Aug;34(4):193–5

OCCURRENCE

Discrepancies in vehicular crash injury reporting: Northeastern Ohio Trauma Study. IV. Barancik JI, et al. **Accid Anal Prev** 1985 Apr;17(2):147–54
Analysis of the effect of car size on accident injury probability using automobile insurance data. Krishnan KS, et al. **Accid Anal Prev** 1985 Apr;17(2):171–7
Fatal and nonfatal accidents on the railways—a study of injuries to individuals, with particular reference to children and to nonfatal trauma. Nixon J, et al. **Accid Anal Prev** 1985 Jun;17(3):217–22
Escalator injuries [letter] Wells JJ, et al. **Am J Dis Child** 1986 Jun;140(6):507–8
Motor vehicle trauma in northeastern Ohio. I: Incidence and outcome by age, sex, and road-use category. Barancik JI, et al. **Am J Epidemiol** 1986 May;123(5):846–61
The impact of 'Bottle Bill' legislation on the incidence of lacerations in childhood. Baker MD, et al. **Am J Public Health** 1986 Oct;76(10):1243–4
A cluster of injuries at a water slide in Washington State. Peulozzi LJ, et al. **Am J Public Health** 1986 Mar; 76(3):284–5
Childhood injuries in North Carolina: a statewide analysis of hospitalizations and deaths. Runyan CW, et al. **Am J Public Health** 1985 Dec;75(12):1429–32
Falls in the institutionalized elderly in Japan. Haga H, et al. **Arch Gerontol Geriatr** 1986 Apr;5(1):1–9
Injury profile of pedal and motor cyclist casualties in Victoria. McDermott FT, et al. **Aust NZ J Surg** 1985 Oct; 55(5):477–83
Accident-injury organization: Canadian overview. Burns CM. **Can J Surg** 1985 Nov;28(6):482–6
Injuries in children wearing seat belts [letter] Cameron BH. **Can Med Assoc J** 1986 Feb 15;134(4):308–9
Fall injuries in the elderly. Baker SP, et al. **Clin Geriatr Med** 1985 Aug;1(3):501–12 (28 ref.)
School accidents. Beil K. **Health Bull (Edinb)** 1986 Mar; 44(2):99–104
Ocular war injuries. Boparai MS, et al. **Indian J Ophthalmol** 1984 Sep–Oct;32(5):277–9
Inpatient accidents in hospitals. Udén G. **J Am Geriatr Soc** 1985 Dec;33(12):833–41
Hospitalizations for accidents and injuries in the US Navy: environmental and occupational factors. Helmkamp JC, et al. **J Occup Med** 1986 Apr;28(4):269–75
Pediatric trauma associated with all-terrain vehicles. Stevens WS, et al. **J Pediatr** 1986 Jul;109(1):25–9
The morbidity of injuries of the extra-hepatic biliary system. Ivatury RR, et al. **J Trauma** 1985 Oct;25(10):967–73
Moped and motorcycle accidents—similarities and discrepancies. Mitzsch T, et al. **J Trauma** 1986 Jun; 26(6):538–43
A study of injuries during life in three male populations. Silverbåge Carlsson G, et al. **J Trauma** 1986 Apr; 26(4):364–73
The clinical epidemiology of childhood accidents in a newly urbanized Bedouin community in Kuwait: a pilot study. Bayoumi A. **J Trop Pediatr** 1985 Oct;31(5):263–7
Injuries associated with three-wheeled, all-terrain vehicles, Alaska, 1983 and 1984. Smith SM, et al. **JAMA** 1986 May 9;255(18):2454–8
Trauma prophylaxis: every physician's responsibility. Mucha P Jr. **Mayo Clin Proc** 1986 May;61(5):388–91
Occupational injuries in the meatpacking industry, United States, 1976–1981. Pezaro A, et al. **MMWR CDC Surveill Summ** 1985;34(1):29SS–32SS
A summary analysis of the North Carolina Trauma and Burn Study. Proctor HJ, et al. **NC Med J** 1986 Mar;47(3):125–32
Traumatic injuries among North Carolinians. Runyan CW. **NC Med J** 1986 Jan;47(1):14–6
Industrial injuries in a plant. Chew CK. **NZ Med J** 1985 Oct 23;98(789):902–4
Farm accidents in children. Cogbill TH, et al. **Pediatrics** 1985 Oct;76(4):562–6
Farm accidents [letter] Paulson JA, et al. **Pediatrics** 1986 May;77(5):784–5
Fatal and nonfatal farm injuries to children and adolescents in the United States. Rivara FP. **Pediatrics** 1985 Oct; 76(4):567–73
The possible dream: accident prevention and injury control—a conference to chart advances and plan strategy [editorial] Gemmell MK, et al. **Public Health Rep** 1985 Nov–Dec;100(6):557–9
[Tragedies of children due to accidents] Tesařík J. **Cesk Pediatr** 1985 Sep;40(9):547–8 (Cze)
[Accidents in schoolchildren. A prospective study of accidents in primary schools] Aalberg JR, et al. **Ugeskr Laeger** 1986 Apr 7;148(15):913–4 (Eng. Abstr.) (Dan)
[What do we know about school accidents?] Christensen ST, et al. **Ugeskr Laeger** 1986 Jul 14;148(29):1843–5 (Eng. Abstr.) (Dan)
[School accidents in the municipality of Arhus 1982–1983. III. Accidents during the school semester] Møller-Madsen B, et al. **Ugeskr Laeger** 1986 Jul 28;148(31):1991–4 (Eng. Abstr.) (Dan)
[Agricultural injuries] Nielsen CT, et al. **Ugeskr Laeger** 1986 Jun 30;148(27):1705–7 (Eng. Abstr.) (Dan)
[School accidents in the municipality of Arhus 1982–1983. I. Frequency of accidents and nature of injury] Simonsen O, et al. **Ugeskr Laeger** 1986 Jul 21;148(30):1914–7 (Eng. Abstr.) (Dan)
[Accidents in schoolchildren] Toftgård T, et al. **Ugeskr Laeger** 1985 Aug 12;147(33):2637–9 (Eng. Abstr.) (Dan)
[Casualties from Tivoli] Walsted A, et al. **Ugeskr Laeger** 1986 Aug 11;148(33):2111–3 (Eng. Abstr.) (Dan)
[1 year of traumatologic activity in the Emergency Orthopedic Unit of the G. Pini Institute (statistical data)] Brambilla S, et al. **Chir Ital** 1985 Aug;37(4):464–72 (Eng. Abstr.) (Ita)
[Epidemiology of accidents in childhood] Menchini M, et al. **Pediatr Med Chir** 1985 Jan–Feb;7(1):107–10 (Eng. Abstr.) (Ita)
[Data for predicting road-transport injuries] Tkeshelashvili MB, et al. **Ortop Travmatol Protez** 1985 Jul;(7):68–70 (Rus)
[Occupational injuries at the land-reclamation construction sites in the Volga region] Zhadenov II, et al. **Ortop Travmatol Protez** 1986 Feb;(2):47–50 (Rus)
[Injuries during mooring operations on board ship] Shapovalov KA. **Voen Med Zh** 1986 Jul;(7):48–9 (Rus)

PATHOLOGY

Patterned injury and its evidentiary value. Rao VJ.

J Forensic Sci 1986 Apr;31(2):768–72

Vehicular-related traumatic asphyxial deaths—caveat scrutator. Copeland AR. **Z Rechtsmed** 1986;96(1):17–22

[Causality in accidental death of the elderly] Bratzke H. **Beitr Gerichtl Med** 1985;43:135–44 (Eng. Abstr.) **(Ger)**

[Evaluation of the degree of injury in Austria based on 200 forensic studies of the Vienna Forensic Medicine Institute] Missliwetz J, et al. **Beitr Gerichtl Med** 1985;43:423–31 (Eng. Abstr.) **(Ger)**

[Pedestrian accidents of children—pattern of injury and cause of injury in relation to impact geometry] Schuller E, et al. **Beitr Gerichtl Med** 1985;43:117–20 (Eng. Abstr.) **(Ger)**

[Damage patterns in severe child abuse with and without fatal sequelae] Jacobi G. **Monatsschr Kinderheilkd** 1986 Jun; 134(6):307–15 (Eng. Abstr.) **(Ger)**

[A medico-legal discussion of 12 autopsy cases of battered-child syndrome] Shiono H, et al. **Nippon Hoigaku Zasshi** 1985 Oct;39(5):392–7 (Eng. Abstr.) **(Jpn)**

[Photographic studies at the site of aviation accidents and their value in solving the problems of medico-legal expert testimony] Alpatov IM. **Sud Med Ekspert** 1986 Apr–Jun; 29(2):41–3 (Eng. Abstr.) **(Rus)**

[Severing of the body in automobile injury] Bakanov VV, et al. **Sud Med Ekspert** 1986 Jan–Mar;29(1):54–5 **(Rus)**

[Possibilities of reconstructing the circumstances of a fatal injury in a fall from a height] Lebedev AN. **Sud Med Ekspert** 1986 Jan–Mar;29(1):18–21 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

The effects of hemorrhage and trauma on interleukin 2 production. Abraham E, et al. **Arch Surg** 1985 Dec; 120(12):1341–4

Fibronectin depletion and microaggregate clearance following trauma. Rogers FB, et al. **Curr Surg** 1985 Sep–Oct;42(5):373–5

Treating traumatic pain. Warfield CA. **Hosp Pract [Off]** 1986 Mar 15;21(3):48M, 48P–48R, 48T

Use of CPAP mask as the sole mode of ventilatory support in trauma patients with mild to moderate respiratory insufficiency. Hurst JM, et al. **J Trauma** 1985 Nov; 25(11):1065–8

Increased lung capillary permeability after trauma: a prospective clinical study. Sturm JA, et al. **J Trauma** 1986 May;26(5):409–18

Vascular trauma and prostacyclin release. Jeremy JY, et al. **Microcire Endothelium Lymphatics** 1984 Oct;1(5):629–44

Phosphoinositol more than skin deep [letter] Mier PD, et al. **Nature** 1986 Aug 7–13;322(6079):504

Membrane lipid changes in laminectomized and traumatized cat spinal cord. Demediuk P, et al. **Proc Natl Acad Sci USA** 1985 Oct;82(20):7071–5

An effect of injury on thermoregulation in man. Little RA, et al. **Q J Exp Physiol** 1986 Apr;71(2):295–306

Wound contraction. Correlations between the tension generated by granulation tissue, cellular content and rate of contraction. Snowden JM, et al. **Q J Exp Physiol** 1985 Oct;70(4):539–48

Leukotrienes as mediators in tissue trauma. Denzlinger C, et al. **Science** 1985 Oct 18;230(4723):330–2

Low-back impairment-rating practices of orthopaedic surgeons and neurosurgeons in West Virginia. Greenwood JG. **Spine** 1985 Oct;10(8):773–6

Myocardial function in the critically ill: factors influencing left and right ventricular performance in patients with sepsis and trauma. Sibbald WJ. **Surg Clin North Am** 1985 Aug;65(4):867–93 (82 ref.)

Monocyte dysfunction in severe trauma: evidence for the role of C5a in deactivation. Antrum RM, et al. **Surgery** 1986 Jul;100(1):29–37

[Cicatrization of open wounds in rats. Effect of azathioprine, cyclosporin A and polyvinyl alcohol] Mirkovitch V, et al. **Helv Chir Acta** 1985 Jun;52(2):245–7 (Eng. Abstr.) **(Fre)**

[Pathomechanics and pattern of injury of vehicle passengers in side collisions] Barz J, et al. **Beitr Gerichtl Med** 1985; 43:131–4 (Eng. Abstr.) **(Ger)**

[Simulation of automobile side collisions for the determination of stress to passengers near the collision] Kallieris D, et al. **Beitr Gerichtl Med** 1985;43:121–9 (Eng. Abstr.) **(Ger)**

[Effect of nimesulid suppositories in surgical traumatologic practice] Schmoekel W, et al. **Schweiz Rundsch Med Prax** 1985 Dec 24;74(52):1460–3 (Eng. Abstr.) **(Ger)**

[Multiple injury and severe multiple injury (remarks on definition and pathophysiology] Arnold K. **Z Arztl Fortbild (Jena)** 1985;79(22):963–6 **(Ger)**

[Mechanics as a basic physical discipline in orthopedics and traumatology] Bodem F, et al. **Z Orthop** 1985 May–Jun; 123(3):258–64 (Eng. Abstr.) **(Ger)**

[Features of changes in the central hemodynamics and O2 transport of late middle-aged patients with severe mechanical injuries] Malyshev VD, et al. **Anesteziol Reanimatol** 1986 May–Jun;(3):34–6 (Eng. Abstr.) **(Rus)**

[Fluid distribution in the body of victims after severe mechanical injury] Nasonkin OS, et al. **Anesteziol Reanimatol** 1985 Jul–Aug;(4):63–4 **(Rus)**

[Functional activity of the precursor cells of the bone marrow stromal elements in severe injuries] Filev LV, et al. **Patol Fiziol Eksp Ter** 1985 Nov–Dec;(6):12–5 (Eng. Abstr.) **(Rus)**

[Behavioral and autonomic components of the pathogenesis of homeostatic disorders in mild mechanical injuries and their correction] Shanin IuN, et al. **Vestn Akad Med Nauk SSSR** 1986;(6):64–70 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

1985 NIOSH National Symposium on the Prevention of Work-Related Diseases and Injuries [letter] Glenn RE. **Am Ind Hyg Assoc J** 1985 Nov;46(11):B18

Injury prevention in medical school curriculums [letter] Hargarten S. **Ann Emerg Med** 1986 Feb;15(2):226

Behavioral and environmental interventions for reducing motor vehicle trauma. Robertson LS. **Annu Rev Public Health** 1986;7:13–34 (93 ref.)

Injuries, seat-belts and further research. Mackay M. **Arch Emerg Med** 1985 Dec;2(4):226–8

Current controversies in child accident prevention. An analysis of some areas of dispute in the prevention of child trauma. Pearn JH. **Aust NZ J Med** 1985 Dec;15(6):782–7 (54 ref.)

Failure of child safety seat to prevent death. Ross DJ, et al. **Br Med J [Clin Res]** 1986 Jun 21;292(6536):1636

Computerized evaluation of a scale to identify the fall-prone patient. Morse JM. **Can J Public Health** 1986 May–Jun;77 Suppl 1:21–5

Clinical and laboratory studies of falls in old people. Prospects for prevention. Isaacs B. **Clin Geriatr Med** 1985 Aug;1(3):513–24

Towards injury reduction. The role of hospital based surveillance systems. Moller J. **Community Health Stud** 1986;10(2):161–6

Operational experience with a portable friction testing device in university buildings. Ballance PE, et al. **Ergonomics** 1985 Jul;28(7):1043–54

Slipping, tripping and falling accidents at work: a national picture. Buck PC, et al. **Ergonomics** 1985 Jul;28(7):949–58

Review of stair-safety research with an emphasis on Canadian studies. Pauls JL. **Ergonomics** 1985 Jul; 28(7):999–1010

Progress in the prevention of falls caused by slipping. Tisserand M. **Ergonomics** 1985 Jul;28(7):1027–42

Assaults and injuries among staff with and without training in aggression control techniques. Infantino JA Jr, et al. **Hosp Community Psychiatry** 1985 Dec;36(12):1312–4

Prevention of childhood injuries: an open agenda. Graves C. **Indiana Med** 1986 Mar;79(3):242–5

Increasing automobile seat belt use: an intervention emphasizing risk susceptibility. Weinstein ND, et al. **J Appl Psychol** 1986 May;71(2):285–90

Prevention of child injury: an overview of targets, methods, and tactics for psychologists. Peterson L, et al. **J Consult Clin Psychol** 1985 Oct;53(5):586–95

Trauma prevention [editorial] Walker ML. **J Natl Med Assoc** 1986 Jun;78(6):489–91

Prevention and control of road traffic accidents in Nigeria. Ezenwa AO. **J R Soc Health** 1986 Feb;106(1):25–6, 29

The neglected disease: an update [editorial] Doege TC. **JAMA** 1986 Mar 14;255(10):1334

Simple device to prevent accidental needle-prick injuries. Nixon AD, et al. **Lancet** 1986 Apr 19;1(8486):888–9

Failure to comply with industry standards can spell negligence. Goerth CR. **Occup Health Saf** 1986 Mar; 55(3):50

Product liability lawsuits result from incomplete warnings on labels. Goerth CR. **Occup Health Saf** 1986 Apr;55(4):42

Proper ladders, scaffolding can prevent dangerous slips, falls. Lowish MD. **Occup Health Saf** 1986 Feb;55(2):44–7

Proper fire extinguisher selection cuts, costs, prevents excess damage. Smith AC. **Occup Health Saf** 1986 Mar;55(3):52–3

Childhood injury control. Wilson MH. **Pediatrician** 1983–85; 12(1):20–7

Conference on the prevention of injuries. Atlanta, GA, October 15–17, 1984. **Public Health Rep** 1985 Nov–Dec; 100(6):560–621

Injuries are not accidents [letter] Houk VN. **Public Health Rep** 1986 Mar–Apr;101(2):124

[The most recent knowledge in accident research] Danner IM. **Lebensversicherungsmedizin** 1986 Mar 1;38(2):37–8 **(Ger)**

[Forensic responsibilities in evidence under the seat belt law] Ludolph E. **Lebensversicherungsmedizin** 1986 May 1; 38(3):93–5 (Eng. Abstr.) **(Ger)**

[Prevention of injuries in car occupants, pedestrians and bicyclists] Walz FH, et al. **Ther Umsch** 1985 Sep; 42(9):631–8 (Eng. Abstr.) **(Ger)**

[Problems with the seat belt] Weyer F. **Unfallchirurgie** 1985 Dec;11(6):316–22 (Eng. Abstr.) **(Ger)**

[Prevention of surgical diseases in children] Osemlak J. **Przegl Lek** 1986;43(2):288–90 **(Pol)**

[Effect of vibration and hyperbaric oxygenation on the brain stem reticular formation in animals] Nenashev AA, et al. **Gig Tr Prof Zabol** 1986 Apr;(4):52 **(Rus)**

[Pressing problems in childhood injuries. (Results of a discussion of the article by V. S. Anisimov)] **Ortop Travmatol Protez** 1986 Mar;(3):71–4 **(Rus)**

[Problems of social prevention of childhood injuries] Anisimov VS. **Ortop Travmatol Protez** 1986 Feb;(2):59–62 **(Rus)**

[Ways of reducing traffic and transportation injuries] Nebosenko VL, et al. **Ortop Travmatol Protez** 1986 May; (5):51–3 **(Rus)**

[Improving the organization of preventing everyday injuries] Zverev EV, et al. **Ortop Travmatol Protez** 1986 Feb; (2):56–9 **(Rus)**

[Improved prevention of injuries in children] Kamsiuk LG, et al. **Sov Zdravookhr** 1986;(7):17–21 (Eng. Abstr.) **(Rus)**

[Prevention of childhood trauma] Kamsiuk LG, et al. **Sov Zdravookhr** 1985;(10):12–6 **(Rus)**

PSYCHOLOGY

Psychiatric aspects of trauma. **Adv Psychosom Med** 1986; 16:1–237

Grief response in trauma patients and their families. Brown JT. **Adv Psychosom Med** 1986;16:93–114

Trauma: cross-cultural issues. Gaines AD. **Adv Psychosom Med** 1986;16:1–16

Chronic pain and trauma. Kelley JT. **Adv Psychosom Med** 1986;16:141–52

Acute response to trauma. Peterson LG. **Adv Psychosom Med** 1986;16:84–92

Trauma in pediatric populations. Suhr MA. **Adv Psychosom Med** 1986;16:31–47

Pediatric trauma. Emotional aspects. Lanning J. **AORN J** 1985 Sep;42(3):345–51

Post-traumatic stress disorder after car accidents. Kuch K, et al. **Can J Psychiatry** 1985 Oct;30(6):426–7

Injuries among toddlers: contributions from child, mother, and family. Matheny AP Jr. **J Pediatr Psychol** 1986 Jun; 11(2):163–76

A sociological conceptualization of trauma. Meltrović SG. **Soc Sci Med** 1985;21(8):835–48 (136 ref.)

RADIOGRAPHY

Computed tomography of the abdomen. Bresler MJ. **Ann Emerg Med** 1986 Mar;15(3):280–5

Injuries in early-adolescent girls [letter] Leaman A. **Arch Emerg Med** 1986 Jun;3(2):152–3

A survey of accident and emergency reporting: results and implications. Berman L, et al. **Clin Radiol** 1985 Sep; 36(5):483–4

Casualty X-ray reporting: a student survey. Robson N, et al. **Clin Radiol** 1985 Sep;36(5):479–81

Child abuse: the role of radiology. Macpherson RI. **J SC Med Assoc** 1985 Dec;81(12):631–4

Hernia of Morgagni in a trauma patient. Ellyson JH, et al. **J Trauma** 1986 Jun;26(6):569–70

Computed tomography in perspective [editorial] Trunkey D, et al. **J Trauma** 1986 Jul;26(7):660–1

Computerized tomographic staging of renal trauma: 85 consecutive cases. Bretan PN Jr, et al. **J Urol** 1986 Sep; 136(3):561–5

Military applications of digital subtraction angiography. Bailey CG Jr, et al. **Milit Med** 1986 Jun;151(6):335–7

Utilization of angiography in trauma. Chakravarty M. **Radiol Clin North Am** 1986 Sep;24(3):383–96 (27 ref.)

[Radiologic diagnosis of the battered child syndrome] Stöver B. **Monatsschr Kinderheilkd** 1986 Jun;134(6):322–7 (Eng. Abstr.) **(Ger)**

[Value and merit of computer tomography as a primary examination method in polytraumatized patients] Freyschmidt J, et al. **Unfallchirurg** 1986 Apr;89(4):155–9 (Eng. Abstr.) **(Ger)**

[Roentgenocontrast textile materials for medical use] Vlasov LG, et al. **Khirurgiia (Mosk)** 1986 Jun;(6):114–7 **(Rus)**

[Electroroentgenography in orthopedics and traumatology and in the diagnosis of various emergency conditions] Ternovoi KS, et al. **Klin Khir** 1985;(12):34–6 (20 ref.) **(Rus)**

RADIOTHERAPY

Low-energy laser treatment of pain and wounds: hype, hope, or hokum? Basford JR. **Mayo Clin Proc** 1986 Aug; 61(8):671–5 (42 ref.)

REHABILITATION

Scientific basis of rehabilitation. Perry J. **Instr Course Lect** 1985;34:385–8

[Duration of the self reported period of limitation of function after sprains and fractures] Munk S, et al. **Ugeskr Laeger** 1986 Mar 10;148(11):650–2 (Eng. Abstr.) **(Dan)**

[Systemic basis of organization of the process of rehabilitation of traumatological-orthopedic patients] Grigor'ev MG, et al. **Ortop Travmatol Protez** 1985 Aug;(8):1–6 (Eng. Abstr.) **(Rus)**

[Work capacity of persons injured in traffic accidents. Temporary disability (a review of the literature)] Iaremenko DA, et al. **Ortop Travmatol Protez** 1986 Jan; (1):69–72 (35 ref.) **(Rus)**

[Rehabilitation treatment of children under ambulatory polyclinical conditions] Belikova NI, et al. **Sov Zdravookhr** 1985;(11):17–20 (Eng. Abstr.) **(Rus)**

[Social and psychological aspects of rehabilitation treatment] Petukhov VA, et al. **Sov Zdravookhr** 1985;(11):42–4 **(Rus)**

SURGERY

Annual congress. Endoprostheses in orthopaedics and

traumatology: the trend today. Namur, 24-26 May 1984. Second part. **Acta Orthop Belg** 1985 Jul-Aug;51(4):460-738 (Eng, Fre)

Tissue expansion as an adjunctive technique for the management of difficult wounds. Sellers DS, et al. **Am J Surg** 1986 May;151(5):603-6

Anaesthesia for battle injuries [letter] **Anaesthesia** 1984 Sep; 39(9):943-4

Creatinine clearance of early detection of posttraumatic renal dysfunction. Shin B, et al. **Anesthesiology** 1986 May; 64(5):605-9

Penetrating neck wounds. Mandatory versus selective exploration. Ayuyao AM, et al. **Ann Surg** 1985 Nov; 202(5):563-7

Biomechanical properties and collagen formation in subcutaneously implanted cellulose sponges treated with fibrin sealant. Andreassen TT, et al. **Eur Surg Res** 1985; 17(4):264-8

Prolonged closed liver packing in severe hepatic trauma: experience with 36 patients. Baracco-Gandolfo V, et al. **J Trauma** 1986 Aug;26(8):754-6

Residents' experience in the surgery of trauma. Grasberger RC, et al. **J Trauma** 1986 Sep;26(9):848-50

The use of indwelling ureteral stents in managing ureteral injuries due to external violence. Steers WD, et al. **J Trauma** 1985 Oct;25(10):1001-3

The banking and clinical use of human skin allograft in trauma patients: clinical use of allograft skin. Spence RJ, et al. **Md Med J** 1986 Mar;35(3):205-12

The banking and clinical use of human skin allograft in trauma patients: the banking of allograft skin in Maryland. Spence RJ. **Md Med J** 1986 Feb;35(2):117-9

[Clinical and experimental observation of the early division of the abdominal pedicle flap] Ling T, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Nov;23(11):643-5, 701 (Eng. Abstr.) (Chi)

[Application of microsurgery in repair of acute traumatic wounds: report of 10 cases] Lu KH, et al. **Chung Hua Wai Ko Tsa Chih** 1984 Dec;22(12):753-4, 783 (Eng. Abstr.) (Chi)

[French Society of Orthopedic and Traumatologic Surgery. Membership list] **Rev Chir Orthop** 1985;71 Suppl 1:17-71 (Fre)

[Anesthesiologic treatment of 3,665 patients in Red Cross hospitals in Thailand, Lebanon, Pakistan and Indonesia] Lenz G, et al. **Anasth Intensivther Notfallmed** 1985 Oct; 20(5):261-5 (Eng. Abstr.) (Ger)

[Risks in postoperative pain therapy using a peridural catheter in a normal general ward] Maier C, et al. **Anasth Intensivther Notfallmed** 1986 Apr;21(2):72-7 (Eng. Abstr.) (Ger)

[Criteria for therapeutic and preventive use of antibiotics in accident surgery] Gay B. **Chirurg** 1985 Sep;56(9):568-72 (Ger)

[Injuries of the extremities in polytraumatized patients] Link W, et al. **Fortschr Med** 1986 May 15;104(19):386-8 (Eng. Abstr.) (Ger)

[Covering of foot defects with a freely tranplanted saphenous graft and complications during the procedure] Partecke BD, et al. **Handchir Mikrochir Plast Chir** 1985 Sep; 17(5):286-9 (Eng. Abstr.) (Ger)

[Vascular injuries in orthopedic-traumatologic interventions] Kessler W, et al. **Helv Chir Acta** 1985 Jun;52(2):273-7 (Eng. Abstr.) (Ger)

[Accident surgery in the tension field between specialization and integration] Weller S. **Ther Umsch** 1986 Jun; 43(6):488-93 (Eng. Abstr.) (Ger)

[Polyvinylpyrrolidone iodine in accident surgery] Hierholzer S, et al. **Unfallchirurgie** 1985 Dec;11(6):309-15 (Eng. Abstr.) (Ger)

[Prevention of postoperative infection in accident surgery] Kuner EH. **Unfallchirurgie** 1985 Aug;11(4):174-80 (Eng. Abstr.) (Ger)

[When in surgery of the locomotor system is preoperative shaving indicated?] Dietschi C, et al. **Z Orthop** 1985 Nov-Dec;123(6):895-6 (Eng. Abstr.) (Ger)

[Accident prevention and emergency surgeons] Kazár G. **Magy Traumatol Orthop Helyreallito Sebesz** 1986; 29(2):148-51 (Eng. Abstr.) (Hun)

[Clinical, hematological and immunological considerations in a group of patients splenectomized due to a traumatic event] Basile G, et al. **Minerva Chir** 1985 Aug 15-31; 40(15-16):1071-8 (Eng. Abstr.) (Ita)

[Determination of the magnitude of blood loss in emergency surgery] Briusov PG. **Vestn Khir** 1986 Jun;136(6):122-7 (Eng. Abstr.) (Rus)

[Achievements of military surgery during World War II] Dolinin VA. **Vestn Khir** 1985 Aug;135(8):6-10 (Eng. Abstr.) (Rus)

[Organization of surgical services for the wounded during the siege of Leningrad] Kolesnikov IS, et al. **Vestn Khir** 1985 Aug;135(8):3-6 (Eng. Abstr.) (Rus)

[Surgical treatment of injuries abroad (review of foreign literature)] Tsybuliak GN. **Vestn Khir** 1985 Jul; 135(7):127-31 (21 ref.) (Rus)

[Changes in hemodynamics under general anesthesia following traumatic injuries] Timofeev VV. **Voen Med Zh** 1986 Jan;(1):50-1 (Rus)

THERAPY

Principles of treatment and indications for surgery in severe multiple trauma. Schmit-Neuerburg KP, et al. **Acta Chir Belg** 1985 Jul-Aug;85(4):239-49

Deca-Durabolin and parenteral nutrition in post-traumatic patients. Mosebach KO, et al. **Acta Endocrinol [Suppl] (Copenh)** 1985;271:60-9

Apparent arterial occlusion due to pneumatic antishock garment: pitfall in trauma angiography (case report). Morse SS, et al. **AJR** 1986 Aug;147(2):391-2

Air transport of critical patients in Alabama. The first four years' experience. Brewer ME, et al. **Ala Med** 1986 Feb; 55(8):25-8

ATLS: what is it? Temp'lin DW, et al. **Alaska Med** 1985 Oct-Dec;27(4):88-9

Computer-based interactive instruction in trauma [letter] Evans RD, et al. **Am J Emerg Med** 1986 Jul;4(4):384-6

Topical anesthesia for laceration repair: tetracaine versus TAC (tetracaine, adrenaline, and cocaine). White WB, et al. **Am J Emerg Med** 1986 Jul;4(4):319-22

MAST, blood pressure and the trauma score [letter] Kaplan BH. **Ann Emerg Med** 1986 Apr;15(4):510-1

Rural interhospital helicopter transport of motor vehicle trauma victims: causes for delays and recommendations. Leicht MJ, et al. **Ann Emerg Med** 1986 Apr;15(4):450-3

Application of the trauma score in the prehospital setting. Moreau M, et al. **Ann Emerg Med** 1985 Nov;14(11):1049-54

Pediatric trauma. Medical aspects. Coln D. **AORN J** 1985 Sep;42(3):338-42

Pediatric trauma units. Nursing's input into development. Glass BL. **AORN J** 1985 Sep;42(3):353-6

Emergency thoracotomy. Champion HR, et al. **Arch Emerg Med** 1986 Jun;3(2):95-9

Towards optimal trauma care. Trunkey D. **Arch Emerg Med** 1985 Dec;2(4):181-95

Clinical use of branched-chain amino acids in liver disease, sepsis, trauma, and burns. Sax HC, et al. **Arch Surg** 1986 Mar;121(3):358-66 (89 ref.)

A survey of advanced trauma life support procedures being performed by physicians and nurses used on hospital aeromedical evacuation services. Thomas F, et al. **Aviat Space Environ Med** 1985 Dec;56(12):1213-5

Management of multiple casualties with burns [editorial] Griffiths RW. **Br Med J [Clin Res]** 1985 Oct 5; 291(6500):917-8

Does a trauma-management system improve outcome for children with life-threatening injuries? Haller JA Jr, et al. **Can J Surg** 1985 Nov;28(6):477

The German model for rescue of traumatized patients. Oestern HJ. **Can J Surg** 1985 Nov;28(6):486-9

Management of chronic wounds in the elderly. White RR, et al. **Clin Geriatr Med** 1985 May;1(2):407-16

Recent advances in intravenous therapy. Hoelzer MF. **Emerg Med Clin North Am** 1986 Aug;4(3):487-500 (42 ref.)

Emergency room use of hypnotics. Wain HJ, et al. **Gen Hosp Psychiatry** 1986 Jan;8(1):19-22

Priorities of care in the multiple trauma patient. **Helv Chir Acta** 1985 Jun;52(2):329-44

Treatment of the multiply injured patient: plans for treatment and problems of major trauma. Dabezies EJ, et al. **Instr Course Lect** 1984;33:242-52

"Dermodress", a new temporary skin substitute: pilot study on donor sites. Sagi A, et al. **Int J Tissue React** 1986; 8(2):153-6

The evacuation hospital in civilian disasters. Klausner JM, et al. **Isr J Med Sci** 1986 May;22(5):365-9

The management of fractures in the patient with multiple trauma. Bone L, et al. **J Bone Joint Surg [Am]** 1986 Jul; 68(6):945-9

Preventing hypothermia in trauma patients by microwave warming of i.v. fluids. Aldrete JA. **J Emerg Med** 1985; 3(6):435-42

The role of an emergency department observation unit in the management of trauma patients. Conrad L, et al. **J Emerg Med** 1985;2(5):325-33

Resuscitation and transfer of trauma patients: a prospective re-evaluation. Danzl DF, et al. **J Ky Med Assoc** 1986 Feb; 84(2):61-4

Contemporary wound management with natural and synthetic dressings. May SR, et al. **J Med Assoc Ga** 1985 Aug;74(8):564-70

Injury to the brachial plexus. Bowens BA. **J Neurosurg Nurs** 1985 Oct;17(5):293-300

Resuscitation of massively injured patients [letter] Hawkins ML, et al. **J Trauma** 1986 Jun;26(6):579-80

A comparison of PTV and endotracheal ventilation in an acute trauma model. Jorden RC, et al. **J Trauma** 1985 Oct; 25(10):978-83

Parenteral nourishment of patients undergoing surgical or traumatic stress. Gilder H. **JPEN J Parenter Enteral Nutr** 1986 Jan-Feb;10(1):88-99 (127 ref.)

Is it possible to evaluate the efficacy of amino acid solutions after major surgical procedures or accidental injuries? Evaluation in a randomized and prospective study. Lundholm K, et al. **JPEN J Parenter Enteral Nutr** 1986 Jan-Feb;10(1):29-33

Health of ballet dancers [letter] Yates DE. **NZ Med J** 1985 Oct 9;98(788):868

Advanced trauma life support. Corballis B, et al. **Primary Care** 1986 Mar;13(1):33-44

Why I feed patients with trauma and sepsis. McMahon MJ. **Proc Nutr Soc** 1986 Jul;45(2):139-51

Parenteral nutrition of injured patients. Radrizzani D, et al. **Surg Gynecol Obstet** 1986 Jul;163(1):37-41

New aspects of parenteral nutrition with fat emulsions in injured patients. Kleinberger G. **World J Surg** 1986 Feb; 10(1):20-32 (48 ref.)

[Emergency care of fractures of the lower extremities in multiple injuries. II] Kroupa J. **Acta Chir Orthop Traumatol Cech** 1985 Oct;52(5):446-59 (Eng. Abstr.) (Cze)

[An overview of injured patients treated and hospitalized at the Pediatric ORL Clinic in Brno over the past 10 years] Dezort J, et al. **Cesk Otolaryngol** 1985 Nov;34(6):361-6 (Eng. Abstr.) (Cze)

[Basics of emergency care of serious traffic injuries in children] Drábková J. **Cesk Pediatr** 1986 Jun;41(6):348-50 (Cze)

[Treatment of acute injuries in a rural general practice] Elers J. **Ugeskr Laeger** 1986 Jul 14;148(29):1848-50 (Eng. Abstr.) (Dan)

[Effect of the I.R. diode laser on wound healing] Van Cakenbergh J. **Acta Belg Med Phys** 1986 Jan-Mar; 9(1):89-91 (Dut)

[Orthopedic problems in the multiple-injured child] Verstreken L, et al. **Acta Orthop Belg** 1985 Sep-Oct; 51(5):811-22 (Eng. Abstr.) (Fre)

[Hospital care of traumatologic emergencies (letter)] Vayre P, et al. **Chirurgie** 1985;111(9):833-4 (Fre)

[Hospital care of emergency injuries] Vichard P, et al. **Chirurgie** 1985;111(7):592-8 (Eng. Abstr.) (Fre)

[Narcosis within the scope of preclinical care] Sefrin P. **Aktuel Traumatol** 1985 Dec;15(6):275-9 (Eng. Abstr.) (Ger)

[Follow-up documentation of polytrauma in a 4-year-old child] Sim E. **Aktuel Traumatol** 1986 Feb;16(1):6-12 (Eng. Abstr.) (Ger)

[Guarantee of immediate reaction in fast medical aid: a transport container for basic material reserves] Handschak H. **Z Arztl Fortbild (Jena)** 1985;79(22):967-8 (Ger)

[A method of comparative evaluation of atraumatic dressing materials] Bychikhin NP, et al. **Khirurgiia (Mosk)** 1986 Jun; (6):112-4 (Rus)

[Basic principles of pre-hospital medical services for patients with multiple injuries] Elkin PA. **Khirurgiia (Mosk)** 1985 Nov;(11):22-6 (Eng. Abstr.) (Rus)

[Organization of pre-hospital services for victims of traffic accidents--reality and prospects] Trubnikov VF, et al. **Ortop Travmatol Protez** 1986 Feb;(2):51-5 (Rus)

[Outcome of the treatment of victims of traffic accidents with multiple and combined injuries delivered to the hospital by chance transportation] Trubnikov VF, et al. **Ortop Travmatol Protez** 1985 Sep;(9):12-6 (Eng. Abstr.) (Rus)

[Organization of traumatological and orthopedic services during the opening of virgin territories] Ungbaev TE, et al. **Ortop Travmatol Protez** 1986 Mar;(3):62-5 (Rus)

[Ways of improving therapeutic services for injuries] Gembitskii EV, et al. **Voen Med Zh** 1986 May;(5):3-7 (Rus)

[Novocaine block in injuries] Revskoi AK, et al. **Voen Med Zh** 1986 May;(5):53-5 (Rus)

[Hyperbaric oxygenation therapy in the combined treatment of trauma patients] Tkachenko SS, et al. **Voen Med Zh** 1985 Oct;(10):33-5 (Rus)

URINE

Modified injury severity scale and concurrent steroid therapy: independent correlates of negative nitrogen balance in pediatric trauma. Andrassy RJ, et al. **J Pediatr Surg** 1985 Dec;20(6):799-802

VETERINARY

Some effects of different rearing systems on health, cleanliness and injury in calves. Webster AJ, et al. **Br Vet J** 1985 Sep-Oct;141(5):472-83

Wound healing in dogs and cats. Johnston DE. **Clin Dermatol** 1984 Jul-Sep;2(3):143-53

Acute trauma in small animals: 1. Initial assessment and management. Foster J. **In Pract** 1985 Nov;7(6):173-81

A surgical approach to treatment of suprascapular nerve injury in the horse. Adams OR, et al. **J Am Vet Med Assoc** 1985 Nov 15;187(10):1016-8

Scapular notch resection for suprascapular nerve decompression in 12 horses. Schneider JE, et al. **J Am Vet Med Assoc** 1985 Nov 15;187(10):1019-20

Wounding and its role in RSV-mediated tumor formation. Dolberg DS, et al. **Science** 1985 Nov 8;230(4726):676-8

Tending two bitches injured during dog fighting [letter] Hnatkiwskyj JS. **Vet Rec** 1985 Aug 24;117(8):190

[Pathological indicators in sows relevant to animal welfare in modern housing systems] Berner H. **Tierarztl Prax** 1986; 14(1):67-78 (Eng. Abstr.) (Ger)

WOUNDS, GUNSHOT

Litigating for the public's health. Teret SP. **Am J Public Health** 1986 Aug;76(8):1027-9

A correlation of response time and results of abdominal gunshot wounds. Fiedler MD, et al. **Arch Surg** 1986 Aug; 121(8):902-4

Spontaneous passage of shell fragments during voiding. Kyriakidis A, et al. **Br J Urol** 1984 Jun;56(3):334

A 10 year review of gunshot injuries in a Dublin teaching hospital. Redmond HP, et al. **Ir J Med Sci** 1985 Oct;

154(10):395–6
Projectile entry angle determination. Cashman PJ. **J Forensic Sci** 1986 Jan;31(1):86–91
A study of .22 caliber rimfire exploding bullets: effects in ordnance gelatin [letter] Fackler ML. **J Forensic Sci** 1986 Jul;31(3):801–2
Wounding mechanism of projectiles striking at more than 1.5 km/sec. Fackler ML, et al. **J Trauma** 1986 Mar; 26(3):250–4
Muscle devitalization in high-energy missile wounds, and its dependence on energy transfer [letter] Fackler ML. **J Trauma** 1986 Mar;26(3):297
Paint pellet purpura: a peril for pistol-packing paramilitary personnel [letter] Siegel DM, et al. **JAMA** 1986 Jun 27; 255(24):3367
Missile wounds of the extremities: a current concepts review. Russotti GM, et al. **Orthopedics** 1985 Sep;8(9):1106–16
Plastic bullet injuries of the face and jaws. Cohen MA. **S Afr Med J** 1985 Dec 7;68(12):849–52
A study of 93 deaths from gunshot injuries during security force action in the Greater Cape Town area, 1985. Duflou JA. **S Afr Med J** 1986 Jul 19;70(2):88–90
[Transorbital projectile simulating a carotid-cavernous fistula] Tagle P, et al. **Rev Chil Pediatr** 1985 Jul–Aug; 56(4):259–61 (Eng. Abstr.) (Spa)

BLOOD

"The low T3 syndrome" and impaired thyroid protein synthesis in experimental trauma. Madsen M, et al. **Acta Chir Scand** 1986 Feb;152:91–6

CLASSIFICATION

Civilian gunshot wounds. Dugas R, et al. **Orthopedics** 1985 Sep;8(9):1121–5

COMPLICATIONS

Facial reanimation after skull base trauma. May M. **Am J Otol** 1985 Nov;Suppl:62–7
Traumatic cholecystoduodenal fistula—a case report. Barillo DJ, et al. **Injury** 1985 Nov;16(9):634
Lead poisoning. Millard IL. **J Arkansas Med Soc** 1985 Nov; 82(6):263–4
Infection about the spine associated with low-velocity-missile injury to the abdomen. Romanick PC, et al. **J Bone Joint Surg [Am]** 1985 Oct;67(8):1195–201
Lead synovitis in the hand: a case report. Watson N, et al. **J Hand Surg [Br]** 1985 Oct;10(3):423–4
Lead intoxication due to retained bullet in right hip: a case report. Ovartlarnporn B, et al. **J Med Assoc Thai** 1985 Nov; 68(11):612–5
Traumatic coronary artery fistula. Haas GE, et al. **J Trauma** 1986 Sep;26(9):854–7
Missile embolus of the portal vein. Layton TR, et al. **J Trauma** 1985 Nov;25(11):1111–2
Tibial fractures associated with civilian gunshot injuries. Leffers D, et al. **J Trauma** 1985 Nov;25(11):1059–64
Toxic shock and a gunshot wound. Kaminsky HH. **Milit Med** 1986 Jan;151(1):52–3
Recurrent subarachnoid hemorrhage complicating a traumatic carotid-cavernous fistula. Dohrmann PJ, et al. **Neurosurgery** 1985 Sep;17(3):480–3
Spontaneous migration of a bullet in the spinal subarachnoid space causing delayed radicular symptoms. Karim NO, et al. **Neurosurgery** 1986 Jan;18(1):97–100
Traumatic subarachnoid-pleural fistula. Lovaas ME, et al. **Neurosurgery** 1985 Oct;17(4):650–2
Bilateral upper extremity paralysis (Bell's cruciate paralysis) from a gunshot wound to the cervicomedullary junction. Marano SR, et al. **Neurosurgery** 1986 May;18(5):642–4
Subtrochanteric fractures of the femur. Wiss DA, et al. **Orthopedics** 1985 Jun;8(6):793, 797–800
Lead poisoning in a child with a gunshot wound. Selbst SM, et al. **Pediatrics** 1986 Mar;77(3):413–6
Repetitive visual images in severe war head injuries. Askenasy JJ, et al. **Resuscitation** 1986 Apr;13(3):191–201
Cervical spine osteomyelitis with delayed onset tetraparesis after penetrating wounds of the neck. A report of 2 cases. Craig JB. **S Afr Med J** 1986 Feb 1;69(3):197–9
Superior sagittal sinus air after penetrating craniocerebral trauma. Crone KR, et al. **Surg Neurol** 1986 Mar;25(3):276–8
Infundibular obstruction secondary to bullet injury. Ballesteros JJ, et al. **Urology** 1986 Jun;27(6):560
[External fixator: treatment of choice in war traumatology] Labeeu F. **Acta Chir Belg** 1985 Jul–Aug;85(4):251–9 (Eng. Abstr.) (Fre)
[Traumatic hepaticoportal fistula. Apropos of a case] Calen S, et al. **J Chir (Paris)** 1985 Aug–Sep;122(8–9):459–61 (Eng. Abstr.) (Fre)
[Mortality and morbidity of suicide attempted by firearms (letter)] Herve C, et al. **Presse Med** 1985 Nov 9; 14(38):1970–1 (Fre)
[Fistula cancer—a rare complication of gunshot fracture osteomyelitis] Behnke KD, et al. **Beitr Orthop Traumatol** 1985 Sep;32(9):469–71 (Eng. Abstr.) (Ger)
[Indirect trauma to the common carotid artery] Puterman M, et al. **Harefuah** 1985 Sep;109(5–6):134–5 (Eng. Abstr.) (Heb)
[Post-traumatic external pancreatic fistulas] Birolini D, et al. **AMB** 1985 Jan–Feb;31(1–2):20–4 (Eng. Abstr.) (Por)
[Post-anoxic hemi-myoclonic encephalopathy: report of a case] Moreira Filho PF, et al. **Arq Neuropsiquiatr** 1986 Mar; 44(1):67–72 (Eng. Abstr.) (Por)
[Marginal resection of the lung in hemoptysis which occurred 39 years after a blind gunshot wound] Adamian AA, et al. **Khirurgiia (Mosk)** 1985 Jun;(6):141–2 (Rus)
[Gastropleurobronchial fistula after a gunshot wound of the thorax and abdomen] Khodov VD, et al. **Klin Khir** 1985; (10):53–4 (Rus)
[Clinico-roentgenologic examination in expert evaluation of work capacity of World War II veterans with a history of wounds of the limbs] Demin VA, et al. **Klin Med (Mosk)** 1985 Oct;63(10):58–62 (Rus)
[Organization and experience with the treatment of World War II invalids with sequelae of war injuries] Vysotskaia VI. **Ortop Travmatol Protez** 1986 Jan;(1):17–9 (Rus)
[Surgical treatment of open pneumothorax] Kolesov AP, et al. **Vestn Khir** 1986 Apr;136(4):122–5 (Eng. Abstr.) (Rus)
[A rare cause of mechanical jaundice] Kushnirenko OIu, et al. **Vestn Khir** 1986 Apr;136(4):55–6 (Rus)

DIAGNOSIS

Major duodenal injuries in children: diagnosis, operative management, and outcome. Pokorny WJ, et al. **J Pediatr Surg** 1986 Jul;21(7):613–6
[Sonographic localization of a bullet in the pericardium] Gritzmann N, et al. **Rontgenblatter** 1986 May;39(5):125–6 (Eng. Abstr.) (Ger)
[Reno-ureteral gunshot injuries] Sanz Jaka JP, et al. **Actas Urol Esp** 1986 Jul–Aug;10(4):259–64 (Eng. Abstr.) (Spa)

ETIOLOGY

Air gun pellet injury of the heart with popliteal embolus. Schowengerdt CG, et al. **Ann Thorac Surg** 1985 Oct; 40(4):393–5
[Free sale of firearms and ocular injuries (letter)] Pouliquen Y. **J Fr Ophtalmol** 1986;9(2):139–40 (Fre)

HISTORY

Frank Hastings Hamilton: medical educator and surgeon to President Garfield. Kozol RA. **Am J Surg** 1986 Jun; 151(6):759–60
Wounded by bayonet, ball, and bacteria: medicine and neurosurgery in the American Civil War. Zellem RT. **Neurosurgery** 1985 Nov;17(5):850–60

METABOLISM

Local skeletal muscle surface oxygen pressure fields after high-energy trauma. Holmström A, et al. **Microcirc Endothelium Lymphatics** 1985 Jun;2(3):293–311

MORTALITY

Police shootings. The Metropolitan Dade County experience from 1956 to 1982. Copeland AR. **Am J Forensic Med Pathol** 1986 Mar;7(1):39–45
Accidental firearm fatalities in North Carolina, 1976–80. Morrow PL, et al. **Am J Public Health** 1986 Sep; 76(9):1120–3
Protection or peril? An analysis of firearm-related deaths in the home. Kellermann AL, et al. **N Engl J Med** 1986 Jun 12;314(24):1557–60
American as apple pie; guns in the lives of US children and youth. Christoffel KK. **Pediatrician** 1983–85;12(1):46–51
Epidemiologic trends in firearm suicides among adolescents. Mościcki EK, et al. **Pediatrician** 1983–85;12(1):52–62

OCCURRENCE

Firearms and youth suicide. Boyd JH, et al. **Am J Public Health** 1986 Oct;76(10):1240–2
Pediatric firearm injuries treated at Charity Hospital, New Orleans. Hopkins RL, et al. **J La State Med Soc** 1985 Dec; 137(12):26–7
Low velocity hand-gun injuries of the maxillofacial region. Cohen MA, et al. **J Maxillofac Surg** 1986 Feb;14(1):26–33
Death and injury by firearms: who cares? Jagger J, et al. **JAMA** 1986 Jun 13;255(22):3143–4

PATHOLOGY

Ocular gunpowder injuries. Dreizen NG, et al. **Am J Ophthalmol** 1985 Dec 15;100(6):852–3
Ultrastructure of traumatic corneal endothelial rings. Stulting RD, et al. **Am J Ophthalmol** 1986 Feb 15;101(2):156–9
An analysis of firearm injuries to the head and face in Belfast 1969–1977. Marshall WG. **Br J Oral Maxillofac Surg** 1986 Aug;24(4):233–43
Bilateral orbital perforation—(a single bullet injury). Angra SK, et al. **Indian J Ophthalmol** 1985 Mar–Apr;33(2):99–103
An unusual case of orbito-cranial gunshot wound. Misra M, et al. **Indian J Ophthalmol** 1985 Mar–Apr;33(2):105–7
Once more unto the breech: the firearms evidence in the Sacco and Vanzetti case revisited: Part I. Starrs JE. **J Forensic Sci** 1986 Apr;31(2):630–54
Close proximity gunshot residues. Thornton JI. **J Forensic Sci** 1986 Apr;31(2):756–7
The effect of tempered glass on bullet trajectory. Thornton JI, et al. **J Forensic Sci** 1986 Apr;31(2):743–6
Gunshot injuries of the temporal bone. Duncan NO 3d, et al. **Otolaryngol Head Neck Surg** 1986 Jan;94(1):47–55
[Reconstruction of a suicide by a homemade firearm] Maxeiner H, et al. **Arch Kriminol** 1986 Jan–Feb; 177(1–2):19–28 (Eng. Abstr.) (Ger)
[Gunshot smoke study in relation to type of munition with lead-free powder smoke] Lichtenberg W. **Beitr Gerichtl Med** 1985;43:293–300 (Eng. Abstr.) (Ger)
[The morphology of brain gunshot injury] Oehmichen M, et al. **Beitr Gerichtl Med** 1985;43:55–62 (Eng. Abstr.) (Ger)
[Gunshot injuries of the brain caused by air pressure guns] Dittmann W. **Z Rechtsmed** 1986;96(2):119–31 (Eng. Abstr.) (Ger)
[Wound ballistics of the Krönlein shot] Pankratz H, et al. **Z Rechtsmed** 1985;95(3):213–5 (Eng. Abstr.) (Ger)
[A new sign for the establishment of gunshot in suicide?] Schneider V, et al. **Z Rechtsmed** 1985;95(4):259–64 (Eng. Abstr.) (Ger)
[Use of quantitative characteristics of gunshot residues to specify the distance of a close-range gunshot] Beliaev LV. **Sud Med Ekspert** 1985 Jul–Sep;28(3):17–9 (Eng. Abstr.) (Rus)
[Diagnostic gunshot injuries produced by a homemade ramrod weapon] Kuznetsov IuV. **Sud Med Ekspert** 1985 Jul–Sep;28(3):16–7 (Eng. Abstr.) (Rus)
[Fatal injury with a single pellet] Lesovoi AS. **Sud Med Ekspert** 1985 Jul–Sep;28(3):52 (Rus)
[Changes in granulation tissue fibroblasts during the healing of gunshot wounds (experimental research)] Chumasov EI, et al. **Voen Med Zh** 1986 Apr;(4):16–9 (Rus)
[Injury from a slaughter-house pistol] Murgaš I. **Rozhl Chir** 1985 Sep;64(8–9):589–96 (Eng. Abstr.) (Slo)

PHYSIOPATHOLOGY

Cauda equina injury: late motor recovery. Little JW, et al. **Arch Phys Med Rehabil** 1986 Jan;67(1):45–7
Ballistics: a pathophysiologic examination of the wounding mechanisms of firearms: Part II. Barach E, et al. **J Trauma** 1986 Apr;26(4):374–83
Ballistics: a pathophysiologic examination of the wounding mechanisms of firearms: Part I. Barach E, et al. **J Trauma** 1986 Mar;26(3):225–35
[Experimental observations on endoneurial fluid pressure (EFP), endoneurial PO2 (EPO2) and ultrastructural changes in the sciatic nerve after a gunshot] Zhu SX, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Feb;24(2):87–90, 125 (Eng. Abstr.) (Chi)
[Locomotor function of disabled World War II veterans 40 years after their wounds at the front] Grigor'ev MG, et al. **Ortop Travmatol Protez** 1985 Dec;(12):37–40 (Eng. Abstr.) (Rus)

PREVENTION & CONTROL

The costs of using gun control to reduce homicide. Lizotte AJ. **Bull NY Acad Med** 1986 Jun;62(5):539–49
Gun control. Zimring FE. **Bull NY Acad Med** 1986 Jun; 62(5):615–21
Handguns: risks versus benefits. Christoffel KK, et al. **Pediatrics** 1986 May;77(5):781–2

RADIOGRAPHY

Indications for angiography in extremity trauma. McCorkell SJ, et al. **AJR** 1985 Dec;145(6):1245–7
A parotid region foreign body. Lonnen DM. **Br Dent J** 1985 Oct 5;159(7):220–1
Facial and ocular shotgun blast injury: report of a case. Kennedy KS, et al. **J Am Osteopath Assoc** 1985 Sep; 85(9):586–90
[Bullet wound of the thigh and traumatic fracture of the femur] Qin ZM. **Chung Hua Fang She Hsueh Tsa Chih** 1985 Dec;19(6):339–41 (Eng. Abstr.) (Chi)
[Computer tomographic studies on wound ballistics of cranial gunshot injuries] Schumacher M, et al. **Beitr Gerichtl Med** 1985;43:95–101 (Eng. Abstr.) (Ger)

SURGERY

Closure of shotgun defect of popliteal fossa using a lateral gastrocnemius muscle flap. Case report. Podlewski J, et al. **Acta Chir Plast** 1986;28(1):20–4
Management of traumatic injuries to the extrahepatic biliary ducts. Feliciano DV, et al. **Am J Surg** 1985 Dec; 150(6):705–9
Combined tracheoesophageal injuries. Feliciano DV, et al. **Am J Surg** 1985 Dec;150(6):710–5
Nonresectional management of major hepatic trauma. An evolving concept. Moore FA, et al. **Am J Surg** 1985 Dec; 150(6):725–9
Rectal gunshot wounds. Management of civilian injuries. Mangiante EC, et al. **Am Surg** 1986 Jan;52(1):37–40
A pair of five-day flaps: early division of distant pedicles after serial cross-clamping and observation with oximetry and fluorometry. Furnas DW, et al. **Ann Plast Surg** 1985 Sep;15(3):262–7
Gunshot and bomb blast injuries of the large intestine. Parks TG. **Br J Clin Pract** 1986 Jan;40(1):7–10
Bilateral external iliac artery injury from a single missile. Feliciano DV, et al. **J Cardiovasc Surg (Torino)** 1986 Jan–Feb;27(1):46–8
Evaluation and treatment of a gunshot wound to the face and neck [clinical conference] **J Emerg Med** 1985; 2(4):293–300

Analysis of 76 civilian craniocerebral gunshot wounds. Clark WC, et al. **J Neurosurg** 1986 Jul;65(1):9–14
Transaxillary intra-aortic balloon tamponade in trauma. Wolf RK, et al. **J Vasc Surg** 1986 Jul;4(1):95–7
Gunshot wounds to the head: a perspective. Kaufman HH, et al. **Neurosurgery** 1986 Jun;18(6):689–95
Civilian gunshot wounds to the brain: prognosis and management. Nagib MG, et al. **Neurosurgery** 1986 May; 18(5):533–7
BB-gun injuries to the eye. Brown GC, et al. **Ophthalmic Surg** 1985 Aug;16(8):505–8
Low-velocity gunshot injury of the abdominal aorta managed by debridement and re-anastomosis. A case report. du Toit DF, et al. **S Afr Med J** 1986 Jan 18; 69(2):139–40
[Palatal reconstruction using a sternocleidomastoid flap with an upper pedicle] Dupuis A, et al. **Ann Chir Plast Esthet** 1985;30(3):251–5 (Eng. Abstr.) (Fre)
[Tracheal intubation after maxillofacial reconstruction using a pectoralis major flap] Rombi H, et al. **Cah Anesthesiol** 1985 Nov;33(7):571–4 (Eng. Abstr.) (Fre)
[War colonic wounds treated by ideal surgery. Apropos of 47 cases] Farah P, et al. **Chirurgie** 1985;111(8):636–40 (Eng. Abstr.) (Fre)
[Bullet wounds of the carotid axis. Apropos of 4 cases] Ribal JP, et al. **J Chir (Paris)** 1985 May;122(5):341–5 (Eng. Abstr.) (Fre)
[Clinical aspects and pathology of acute and chronic pseudoobstruction of the colon] Helpap B, et al. **Chirurg** 1986 Jan;57(1):31–4 (Eng. Abstr.) (Ger)
[Indications for laparotomy in patients with knife stab and gunshot injuries of the abdomen] Bauer J, et al. **Unfallchirurg** 1986 May;89(5):220–2 (Eng. Abstr.) (Ger)
[Negative laparotomies in gunshot and stab injuries of the abdomen] Belgerden S, et al. **Zentralbl Chir** 1986; 111(1):25–30 (Eng. Abstr.) (Ger)
[Pathogenesis of gunshot wounds and the principles of their surgical treatment] Shaposhnikov IuG, et al. **Khirurgiia (Mosk)** 1986 Jun;(6):7–13 (Eng. Abstr.) (Rus)
[Surgical treatment of several types of open multi-comminuted fractures with bone defects (experimental-clinical study)] Bitchuk DD. **Ortop Travmatol Protez** 1985 Oct;(10):13–8 (Eng. Abstr.) (Rus)
[Plastic surgery of the mandible in primary surgical treatment of gunshot wounds of the face] Sidorov SD. **Vestn Khir** 1985 Nov;135(11):103–6 (Rus)
[Reconstruction of a defect of the lower jaw and face due to a gunshot injury] Tošić S, et al. **Chir Maxillofac Plast** 1985;15(3):129–34 (Eng. Abstr.) (Ser)

THERAPY

Air gun injuries in children. Reddick EJ, et al. **Ann Emerg Med** 1985 Nov;14(11):1108–11
Experience in the treatment of missile injuries of the maxillofacial region in Iraq. Al-Shawi A. **Br J Oral Maxillofac Surg** 1986 Aug;24(4):244–50
Spent-bullet injuries in the head and neck region (report of seven cases). Khan MR, et al. **J Laryngol Otol** 1985 Dec; 99(12):1319–23
Assessment of bullet injuries in the neck (a salutory lesson). Stafford N, et al. **J Laryngol Otol** 1985 Dec;99(12):1315–8
Maxillofacial prosthetic rehabilitation following self-inflicted gunshot wounds to the head and neck. Hickey AJ. **J Prosthet Dent** 1986 Jan;55(1):78–82
Traumatic tattoos treated by salabrasion. Neely JL, et al. **W Va Med J** 1986 Jan;82(1):5–6

WOUNDS, NONPENETRATING

Traumatically induced axonal damage without concomitant change in focally related neuronal somata and dendrites. Povlishock JT. **Acta Neuropathol (Berl)** 1986;70(1):53–9
Use of ERCP to identify the site of traumatic injuries of the main pancreatic duct in children. Hall RI, et al. **Br J Surg** 1986 May;73(5):411–2
Homograft of preserved sclera for post-traumatic scleral staphyloma in Ehlers-Danlos syndrome. Nakazawa M, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(3):247–50
Sonographic diagnosis of fractured kidney. Prasadarao PR, et al. **IMJ** 1986 Mar;169(3):167–8
Blunt abdominal trauma. van Rensburg PS, et al. **S Afr J Surg** 1986 Jun;24(2):52–6
Eye injuries in children. Crawford JS. **Trans New Orleans Acad Ophthalmol** 1986;:327–61
[Carotid dissecting aneurysm due to blunt (rubbing) injury of the Kendo protector] Sakai H, et al. **No Shinkei Geka** 1986 Jan;14(1):91–4 (Eng. Abstr.) (Jpn)
[Ruptured diaphragm in blunt injury of the chest and abdomen] Litvinov PG. **Klin Khir** 1986;(4):59 (Rus)
[Blunt abdominal injuries in children in 20 years' data] Murgal I. **Rozhl Chir** 1985 Jul;64(7):519–24 (Eng. Abstr.) (Slo)

BLOOD

[Changes in the indices of thrombocytic hemostasis in patients with closed chest injury] Syromiatnikova ED. **Lab Delo** 1986;(4):248–9 (Rus)
[System of regulating the aggregative properties of blood in closed trauma of the chest] Chalenko VV, et al. **Vestn Khir** 1986 Apr;136(4):66–71 (Eng. Abstr.) (Rus)

CLASSIFICATION

[Classification of blunt objects] Kriukov VN. **Sud Med Ekspert** 1985 Oct-Dec;28(4):45–7 (Rus)
[Classification of combined chest and abdominal wounds] Abakumov MM, et al. **Vestn Khir** 1985 Sep;135(9):76–80 (Eng. Abstr.) (Rus)
[A table method for the evaluation of the severity and prognosis of the outcome of treatment of closed abdominal injuries] Bugulov GK. **Vestn Khir** 1985 Aug;135(8):84–6 (Eng. Abstr.) (Rus)

COMPLICATIONS

Tricuspid insufficiency caused by nonpenetrating chest trauma. Report of two cases diagnosed by Doppler cardiography. Eskilsson J. **Acta Med Scand** 1985; 218(3):347–52
Late discovery of a posttraumatic right aortic arch aneurysm. Chew FS, et al. **AJR** 1985 Nov;145(5):1001–2
Traumatic diaphragmatic injuries. Cotter CP Jr, et al. **Am Fam Physician** 1986 Jan;33(1):197–203 (17 ref.)
Bioprosthetic mitral valve dysfunction following blunt chest trauma. Reinfeld HB, et al. **Am Heart J** 1986 Apr; 111(4):800–1
Hemodynamic adaptation to acute myocardial contusion complicating blunt chest injury. Sutherland GR, et al. **Am J Cardiol** 1986 Feb 1;57(4):291–7
Chronic tricuspid regurgitation and bifascicular block due to blunt chest trauma. Perlroth MG, et al. **Am J Med Sci** 1986 Feb;291(2):119–25
Aortic rupture in blunt trauma. Shaikh KA, et al. **Am Surg** 1986 Jan;52(1):47–8
Echocardiographic evaluation of patients with blunt chest injury: correlation with perioperative hypotension. Eisenach JC, et al. **Anesthesiology** 1986 Mar;64(3):364–6
Blunt head injury: a spectrum of disease [clinical conference] Hockberger RS, et al. **Ann Emerg Med** 1986 Feb; 15(2):202–7
A rare mechanism of orbital emphysema. Teller J, et al. **Ann Ophthalmol** 1985 Sep;17(9):532, 534
The incidence of rebleeding in traumatic hyphema. Witteman GJ, et al. **Ann Ophthalmol** 1985 Sep;17(9):525–6, 528–9
Gastroesophageal reflux secondary to blunt injury [letter] Negre J. **Arch Intern Med** 1985 Nov;145(11):2133–4
Unilateral degloving injuries of the arytenoid cartilage. Stanley RB Jr, et al. **Arch Otolaryngol Head Neck Surg** 1986 May;112(5):516–8
Characteristics of verbal impairment in closed head injured patients. Sarno MT, et al. **Arch Phys Med Rehabil** 1986 Jun;67(6):400–5
Hepatic coma resulting from diaphragmatic rupture and hepatic herniation. Negre J, et al. **Arch Surg** 1986 Aug; 121(8):950–1
Myocardial infarction after blunt chest trauma incurred during rugby football that later required cardiac transplantation. Watt AH, et al. **Br Heart J** 1986 Apr; 55(4):408–10
Traumatic herniation of buccal fat pad: a report of two cases. Fleming P. **Br J Oral Maxillofac Surg** 1986 Aug; 24(4):265–8
Blunt trauma to the abdominal aorta. Nizzero A, et al. **Can Med Assoc J** 1986 Aug 1;135(3):219–20
Acute posteroinferior wall myocardial infarction secondary to football chest trauma. Espinosa R, et al. **Chest** 1985 Dec; 88(6):928–30
Left coronary artery aneurysm and anteroseptal acute myocardial infarction following blunt chest trauma. Lascault G, et al. **Eur Heart J** 1986 Jun;7(6):538–40
Diaphragmatic hernias due to blunt thoracoabdominal trauma. Forni E, et al. **Ital J Surg Sci** 1985;15(2):149–54
Compression of the biceps-brachialis compartment after trivial trauma. Jenkins NH, et al. **J Bone Joint Surg [Br]** 1986 May;68(3):374
Sinoatrial Wenckebach associated with blunt cardiac injury. Tandberg D, et al. **J Emerg Med** 1985;3(2):123–6
Traumatic abdominal wall hernia: a case report. Chanvitan A. **J Med Assoc Thai** 1986 Jun;69(6):341–5
Bilateral traumatic extracranial aneurysms of the internal carotid artery with delayed brain infarction. Malin JP, et al. **J Neurol** 1985;232(5):314–7
Rupture of the ureteropelvic junction by nonpenetrating trauma. Beamud-Gomez A, et al. **J Pediatr Surg** 1986 Aug; 21(8):702–5
Pseudocyst of the pancreas in childhood. Griffiths CL. **J R Army Med Corps** 1985 Jun;131(2):70–1
Delayed presentation of traumatic blunt small bowel perforation. Maull KI, et al. **J Tenn Med Assoc** 1986 May; 79(5):287–8
Pneumoperitoneum resulting from tracheal rupture following blunt chest trauma. Barnhart GR, et al. **J Trauma** 1986 May;26(5):486–8
Management of the ruptured bladder: seven years of experience with 111 cases. Corriere JN Jr, et al. **J Trauma** 1986 Sep;26(9):830–3
Emergency surgery in patients with post-traumatic myocardial contusion. Flancbaum L, et al. **J Trauma** 1986 Sep;26(9):795–803
Cardiac and vascular sequelae of sternal fractures. Harley DP, et al. **J Trauma** 1986 Jun;26(6):553–5
Traumatic pseudoaneurysm following blunt trauma. Norris CS, et al. **J Trauma** 1986 May;26(5):480–2
An analysis of 161 falls from a height: the 'jumper syndrome'. Scalea T, et al. **J Trauma** 1986 Aug;26(8):706–12
Pseudoaneurysm of the cervical internal carotid artery secondary to blunt trauma. Welling RE, et al. **J Trauma** 1985 Nov;25(11):1108–10
Extraperitoneal bladder rupture without pelvic fracture. Wolk DJ, et al. **J Urol** 1985 Dec;134(6):1199–201
Isolated injury of the proximal vertebral artery associated with blunt chest trauma. Wyatt DA, et al. **J Vasc Surg** 1986 Aug;4(2):196–8
Blunt cardiac trauma resulting in right atrial rupture. Getz BS, et al. **JAMA** 1986 Feb 14;255(6):761–3
Recurrent subarachnoid hemorrhage complicating a traumatic carotid-cavernous fistula. Dohrmann PJ, et al. **Neurosurgery** 1985 Sep;17(3):480–3
Neuroleptic malignant syndrome complicating closed head injury. Vincent FM, et al. **Neurosurgery** 1986 Feb; 18(2):190–3
Acute posttraumatic hypertension in fibromuscular dysplasia of the renal artery. Subintimal hemorrhage treated by percutaneous transluminal angioplasty. Pezzulli FA, et al. **NY State J Med** 1986 Feb;86(2):100–2
Mucus fishing syndrome. McCulley JP, et al. **Ophthalmology** 1985 Sep;92(9):1262–5
A comparison of two dose regimens of epsilon aminocaproic acid in the prevention and management of secondary traumatic hyphemas. Palmer DJ, et al. **Ophthalmology** 1986 Jan;93(1):102–8
An intrahepatic abscess as a rare complication of a pelvic fracture from blunt trauma to the abdomen. Fadel JN, et al. **Orthopedics** 1985 Oct;8(10):1254–5
Small bowel stricture following abdominal trauma. Welch GH, et al. **Postgrad Med J** 1985 Dec;61(722):1087–8
Posttraumatic cardiac dysfunction: assessment with radionuclide ventriculography. Rosenbaum RC, et al. **Radiology** 1986 Jul;160(1):91–4
Traumatic thrombosis of the middle cerebral artery. Viola L, et al. **Riv Neurobiol** 1984 Jan-Mar;30(1):11–21
Acute renal failure due to sjambok injuries [letter] Morris CD, et al. **S Afr Med J** 1986 Jul 19;70(2):121
Ruptured right atrium from nonpenetrating trauma of the chest. Tobin HM, et al. **South Med J** 1986 Apr; 79(4):499–501
Duodenal rupture complicating childhood non-accidental injury. Hamilton A, et al. **Ulster Med J** 1985 Oct; 54(2):221–3
[Closed injury of the esophagus in childhood complicated by retropharyngeal, retroesophageal abscess, mediastinitis and osteomyelitis] Tashev V, et al. **Khirurgiia (Sofiia)** 1986; 39(1):44–6 (Bul)
[Rupture of the ureter after a non-penetrating injury] Nicolaisen T. **Ugeskr Laeger** 1985 Jul 15;147(29):2308 (Eng. Abstr.) (Dan)
[Isolated rupture of the gallbladder due to blunt abdominal trauma] Toft P, et al. **Ugeskr Laeger** 1986 Jun 30; 148(27):1683–4 (Eng. Abstr.) (Dan)
[Traumatic rupture of the thoracic aorta: a missed diagnosis] Hammacher ER, et al. **Ned Tijdschr Geneeskd** 1986 May 17;130(20):924–6 (Eng. Abstr.) (Dut)
[Isolated rupture of the small intestine in abdominal contusions] Dewulf E. **Acta Chir Belg** 1986 Jan-Feb; 86(1):13–5 (Eng. Abstr.) (Fre)
[Injuries to the diaphragm] Sandoz PY, et al. **Helv Chir Acta** 1985 Dec;52(5):749–52 (Eng. Abstr.) (Fre)
[Chylothorax from closed thoracic injuries. Apropos of a case. Review of the literature] Abet D, et al. **J Chir (Paris)** 1986 Apr;123(4):242–5 (Eng. Abstr.) (Fre)
[Associated lesions in closed injuries of the thorax: right bronchial rupture, rupture of the right subclavian artery, and bilateral fracture of the 1st rib] Leguerrier A, et al. **J Chir (Paris)** 1985 Oct;122(10):561–5 (Eng. Abstr.) (Fre)
[Thrombosis of the renal pedicle in a closed abdominal injury] Gomez Zancajo VR, et al. **J Urol (Paris)** 1985;91(7):453–5 (Eng. Abstr.) (Fre)
[Cardiac contusions in nonpenetrating chest injuries] Cometta A, et al. **Schweiz Med Wochenschr** 1986 Apr 26; 116(17):559–61 (Eng. Abstr.) (Fre)
[Causal relationships in the rupture of arteriosclerotic aneurysms of the abdominal aorta] Ramme H, et al. **Lebensversicherungsmedizin** 1985 Sep 1;37(5):135–7 (Eng. Abstr.) (Ger)
[Picture of duodenal rupture following blunt abdominal trauma] Tremmel K, et al. **Radiologe** 1986 Jan;26(1):35–7 (Eng. Abstr.) (Ger)
[Delayed reconstruction following post-traumatic renal artery thrombosis] Marquard K, et al. **Urologe [A]** 1985 Sep;24(5):280–2 (Eng. Abstr.) (Ger)
[Testicular trauma and its significance for male fertility] Köller A, et al. **Z Urol Nephrol** 1985 Aug;78(8):429–32 (Eng. Abstr.) (Ger)
[Rheumatoid joint swellings in post-traumatic pancreatitis in childhood] Lempe M, et al. **Zentralbl Chir** 1986; 111(8):488–90 (Ger)
[Traumatic chylothorax (apropos of a case following a closed vertebral-thoracic injury)] Di Natale I, et al. **Chir Ital** 1985 Dec;37(6):624–31 (Eng. Abstr.) (Ita)

[Traumatic mitral insufficiency: a case report] Gomibuchi H, et al. **J Cardiogr** 1985 Mar;15(1):207–19 (Eng. Abstr.) **(Jpn)**

[Aortocoronary bypass surgery to an obstructed right coronary artery due to blunt chest trauma—a case report] Tanaka K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Aug;33(8):1232–9 (Eng. Abstr.) **(Jpn)**

[Posttraumatic thoracic aorta aneurysm] Geiran O, et al. **Tidsskr Nor Laegeforen** 1985 Nov 30;105(33):2380–3 (Eng. Abstr.) **(Nor)**

[Complete rupture of the stomach after blunt abdominal injury] Sura J, et al. **Wiad Lek** 1986 Apr 1;39(7):490–1 (Eng. Abstr.) **(Pol)**

[Hyperbaric oxygenation in the correction of central hemodynamics and external respiration in closed injuries of the chest] Atroshchenko ZB, et al. **Anesteziol Reanimatol** 1986 Mar–Apr;(2):48–50 (Eng. Abstr.) **(Rus)**

[Clinical classification of acute respiratory insufficiency after blunt chest injuries] Gluchmer FS, et al. **Anesteziol Reanimatol** 1986 Jan–Feb;(1):36–9 (Eng. Abstr.) **(Rus)**

[Closed combined injuries of the abdomen and pelvis] Gorshkov S7, et al. **Khirurgiia (Mosk)** 1985 Nov;(11):42–4 (Eng. Abstr.) **(Rus)**

[Shock lung syndrome in patients with closed chest injury] Chukhrienko DP, et al. **Klin Khir** 1985;(10):1–2 (Eng. Abstr.) **(Rus)**

[Closed testicular injuries in blunt trauma of the scrotum] Fedorchenko PM, et al. **Klin Khir** 1985;(12):26–8 (Eng. Abstr.) **(Rus)**

[Incomplete rupture of cardiac wall in closed blunt injury of the chest] Strangul' IN, et al. **Sud Med Ekspert** 1986 Apr–Jun;29(2):56–7 **(Rus)**

[Traumatic contralateral pneumonia] Anan'ina GV, et al. **Vestn Rentgenol Radiol** 1985 Nov–Dec;(6):81–2 **(Rus)**

[Posttraumatic bullous emphysema of the lungs] Kirillov MM. **Voen Med Zh** 1986 May;(5):33 **(Rus)**

[Role of roentgenologic examination in the diagnosis of contralateral pneumonia in closed injuries of the thoracic cavity] Anan'ina GV, et al. **Vrach Delo** 1986 Jan;(1):44–6 **(Rus)**

[Progressive sequelae of cranio-cerebral injuries] Romodanov AP. **Zh Vopr Neirokhir** 1986 Jan–Feb;(1):13–7 (Eng. Abstr.) **(Rus)**

[Traumatic avulsion of the spleen] Larrad Jiménez A, et al. **Rev Esp Enferm Apar Dig** 1986 Jan;69(1):59–60 (Eng. Abstr.) **(Spa)**

[Atrio-ventricular valve injury in non-penetrating wounds of the chest] Bassán J. **Rev Med Panama** 1986 Jan; 11(1):4–13 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Orotracheal intubation in suspected laryngeal injuries. Flancbaum L, et al. **Am J Emerg Med** 1986 Mar;4(2):167–9

Transection of the thoracic aorta: assessment of a trauma system. Hartford JM, et al. **Am J Surg** 1986 Feb; 151(2):224–9

Critical analysis of open peritoneal lavage in blunt abdominal trauma. Ryan JJ, et al. **Am J Surg** 1986 Feb;151(2):221–3

Diagnostic, percutaneous peritoneal lavage in blunt abdominal trauma: rationale, technique and results. Simpson RL, et al. **Aust NZ J Surg** 1986 Feb;56(2):103–7

The evaluation of minor cervical blunt trauma in the pediatric patient. Lusk RP. **Clin Pediatr (Phila)** 1986 Sep;25(9):445–7

Peritoneal lavage and other diagnostic procedures in blunt abdominal trauma. Burney RE. **Emerg Med Clin North Am** 1986 Aug;4(3):513–26 (22 ref.)

Ultrasound in acute pancreatic trauma. Jeffrey RB, et al. **Gastrointest Radiol** 1986;11(1):44–6

Factitial traumatic panniculitis. Winkelmann RK, et al. **J Am Acad Dermatol** 1985 Dec;13(6):988–94

Relationships among Wechsler intelligence and memory scale quotients in adult closed head injured patients. Solomon GS, et al. **J Clin Psychol** 1986 Mar;42(2):318–23

Delayed presentation of traumatic diaphragmatic hernia. Saber WL, et al. **J Emerg Med** 1986;4(1):1–7

Major duodenal injuries in children: diagnosis, operative management, and outcome. Pokorny WJ, et al. **J Pediatr Surg** 1986 Jul;21(7):613–6

Popliteal artery injury associated with tibial fracture in a five year old. Cofer JB, et al. **J Tenn Med Assoc** 1986 Jul; 79(7):430–2

Management of blunt rupture of the heart. Calhoon JH, et al. **J Trauma** 1986 Jun;26(6):495–502

A prospective study of 91 patients undergoing both computed tomography and peritoneal lavage following blunt abdominal trauma. Fabian TC, et al. **J Trauma** 1986 Jul; 26(7):602–8

Objective evaluation of blunt cardiac trauma. Frazee RC, et al. **J Trauma** 1986 Jun;26(6):510–20

Selective peritoneal lavage in the management of comatose blunt trauma patients [letter] Hawkins ML, et al. **J Trauma** 1986 Sep;26(9):858

Blunt injury to the diaphragm: an analysis of 44 patients. Morgan AS, et al. **J Trauma** 1986 Jun;26(6):565–8

Selective peritoneal lavage in the management of comatose blunt trauma patients. Reiner DS, et al. **J Trauma** 1986 Mar;26(3):255–9

Computed tomography and peritoneal lavage following blunt abdominal trauma [letter] White TJ 3d. **J Trauma** 1986 Jul; 26(7):662–3

Bladder rupture associated with fractured pelvis in blunt trauma to the abdomen. Fallon WF Jr. **Milit Med** 1986 Apr;151(4):221–3

Blunt abdominal trauma in children. Special considerations in evaluation and management. Evans RD, et al. **Postgrad Med** 1986 Feb 1;79(2):169–74

The management of liver trauma [letter] Kapoor VK. **Postgrad Med J** 1985 Dec;61(722):1097

Comparisons between CK-B and other clinical indicators of cardiac contusion following multiple trauma. Andersen PT, et al. **Scand J Thorac Cardiovasc Surg** 1986;20(1):93–6

Traumatic stenosis of the internal carotid artery in children. Ueda T, et al. **Surg Neurol** 1986 Oct;26(4):368–72

The use of computerized axial tomography versus peritoneal lavage in the evaluation of blunt abdominal trauma: a prospective study. Davis RA, et al. **Surgery** 1985 Oct; 98(4):845–50

[Ultrasonic study in closed injuries of the spleen (with contribution of 4 personal cases)] Vasileva Zh, et al. **Khirurgiia (Sofiia)** 1985;38(6):31–5 **(Bul)**

[Diagnosis of the hypothenar hammer syndrome] Zhelev D. **Khirurgiia (Sofiia)** 1985;38(3):38–41 (Eng. Abstr.) **(Bul)**

[Renal injury in pediatrics: practical radiological approach. Experience with 90 children] Filiatrault D, et al. **Ann Radiol (Paris)** 1985;28(8):606–11 (Eng. Abstr.) **(Fre)**

[The role of ultrasound in the diagnosis of traumatic hemoperitoneum] Vichard P, et al. **Bull Acad Natl Med (Paris)** 1985 Apr;169(4):513–22 **(Fre)**

[Closed injuries of the thorax in children] Lacheretz M, et al. **Chirurgie** 1985;111(4):378–80 **(Fre)**

[Importance peritoneal puncture-lavage in blunt injuries of the abdomen] Massengo R, et al. **Med Trop (Mars)** 1986 Jan–Mar;46(1):67–9 (Eng. Abstr.) **(Fre)**

[Diagnostic procedure in blunt abdominal trauma] Ruf W, et al. **Chirurg** 1985 Nov;56(11):673–9 **(Ger)**

[Traumatic pneumatocele—a case report] Angehrn F, et al. **Langenbecks Arch Chir** 1986;367(2):113–8 (Eng. Abstr.) **(Ger)**

[Sonographic monitoring in blunt abdominal injuries in children] Menardi G, et al. **Wien Med Wochenschr** 1986 May 31;136(10):237–40 (Eng. Abstr.) **(Ger)**

[Retroperitoneal duodenal rupture following blunt abdominal trauma in childhood] Wiczonke P. **Z Arztl Fortbild (Jena)** 1986;80(2):71–2 **(Ger)**

[Usefulness of diagnostic peritoneal lavage in closed injuries of the abdomen] Rivetti R, et al. **Minerva Chir** 1985 Sep 15;40(17):1165–6 (Eng. Abstr.) **(Ita)**

[Peritoneal lavage in closed abdominal injuries] Sciannameo F, et al. **Minerva Chir** 1986 May 31;41(10):871–3 (Eng. Abstr.) **(Ita)**

[Treatment and diagnosis of splenic injuries. A prospective multicenter study] **Tidsskr Nor Laegeforen** 1986 Jan 10; 106(1):12–6 (Eng. Abstr.) **(Nor)**

[Indications for and the results of surgical treatment in closed kidney injuries] Minecan N, et al. **Rev Med Chir Soc Med Nat Iasi** 1984 Jul–Sep;88(3):479–82 (Eng. Abstr.) **(Rum)**

[Diagnosis and surgical tactics in heart injuries] Ovchinnikov VA, et al. **Grudn Khir** 1986 May–Jun;(3):20–4 (Eng. Abstr.) **(Rus)**

[Laparocentesis with chromatography of the digestive tract gases in the diagnosis of closed injuries of the hollow abdominal organs] Egorov IuV, et al. **Khirurgiia (Mosk)** 1986 Apr;(4):128–30 **(Rus)**

[Diagnosis and treatment of abdominal injuries] Rafiev SF. **Klin Khir** 1986;(4):52–5 (49 ref.) **(Rus)**

[Laparoscopic detection of closed abdominal injuries in children] Roshal' LM, et al. **Pediatriia** 1986 Feb;(2):42–4 **(Rus)**

[Closed injuries of the stomach in blunt trauma to the upper abdomen] Anishin NS, et al. **Vestn Khir** 1986 Mar; 136(3):67–70 (Eng. Abstr.) **(Rus)**

[Combined injuries of the the pelvic bones and urethral canal in children] Bairov GA, et al. **Vestn Khir** 1985 Sep; 135(9):89–93 (Eng. Abstr.) **(Rus)**

[Gallbladder injuries] Vasiutkov VIa, et al. **Vestn Khir** 1985 Sep;135(9):84–7 (Eng. Abstr.) **(Rus)**

[Closed heart injuries] Shastin IV, et al. **Voen Med Zh** 1985 Oct;(10):35–8 **(Rus)**

[Various aspects of the problem of closed craniocerebral injuries] Akimov GA. **Zh Nevropatol Psikhiatr** 1986; 86(4):526–8 (Eng. Abstr.) **(Rus)**

[Closed cranio-cerebral injuries in children (review)] Sumerkina MM. **Zh Nevropatol Psikhiatr** 1985; 85(10):1564–70 (114 ref.) **(Rus)**

[Echotomographic diagnosis in complicated abdominal contusions] Mac Kinnon J. **Rev Chil Pediatr** 1985 Jul–Aug; 56(4):238–42 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Alleviation of axonal damage in acute spinal cord injury by a protease inhibitor: automated morphometric analysis of drug-effects. Iwasaki Y, et al. **Brain Res** 1985 Nov 11; 347(1):124–6

[Differential treatment children who have sustained closed craniocerebral injuries] Aliev ZM. **Zh Nevropatol Psikhiatr** 1985;85(10):1452–6 (Eng. Abstr.) **(Rus)**

ECONOMICS

Multiple organ trauma managed cost effectively and nonoperatively. Quigless MD Jr. **NC Med J** 1986 May; 47(5):249–51

ETIOLOGY

Optic nerve injury after sudden traumatic rotation of the eye. A case report. Leino M. **Acta Ophthalmol (Copenh)** 1986 Jun;64(3):364–5

The Scarborough express train crash: four case reports. Stonebridge PA, et al. **Arch Emerg Med** 1986 Jun; 3(2):137–9

Abdominal injury inflicted by animals [letter] Wilson RB. **Arch Emerg Med** 1985 Sep;2(3):173

Pancreatic transection during karate training. Nielsen TH, et al. **Br J Sports Med** 1986 Jun;20(2):82–3

Blunt bovine and equine trauma. Busch HM Jr, et al. **J Trauma** 1986 Jun;26(6):559–60

[Uniform theory on the pathomechanism of closed renal stalk injuries—subpelvic ureteral ruptures and kidney vascular stalk lesions] Hallmann B, et al. **Z Urol Nephrol** 1985 Aug; 78(8):409–17 (Eng. Abstr.) **(Ger)**

[Diaphragmatic rupture caused by closed injuries] Revelli G, et al. **Minerva Chir** 1985 Sep 15;40(17):1179–84 (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

Inappropriate activation, deactivation, and probable autooxidative damage as a mechanism of neutrophil locomotory defect in trauma. Maderazo EG, et al. **J Infect Dis** 1986 Sep;154(3):471–7

[Lymphocyte populations in the post-traumatic period in closed chest trauma] Vagner EA, et al. **Vestn Akad Med Nauk SSSR** 1985;(11):78–81 (Eng. Abstr.) **(Rus)**

METABOLISM

[Oxygen consumption in the lungs of dogs with a closed thoracic injury] Kulitskaia VI, et al. **Biull Eksp Biol Med** 1986 Mar;101(3):287–9 (Eng. Abstr.) **(Rus)**

MORTALITY

Prognostic factors in blunt chest trauma. Analysis of 652 cases. Svennevig JL, et al. **Ann Chir Gynaecol** 1986; 75(1):8–14

Liver trauma. Little JM, et al. **Aust NZ J Surg** 1986 Aug; 56(8):613–9

PATHOLOGY

Identification of the murder weapon by intricate patterned injury measurements. Zugibe FT, et al. **J Forensic Sci** 1986 Apr;31(2):773–7

Arterial intimal damage in avulsion and crush injuries in rat limbs. Glover MG, et al. **J Reconstr Microsurg** 1985 Jul; 1(4):247–51

Acute rupture of the diaphragm in blunt trauma: analysis of 60 patients. Rodriguez-Morales G, et al. **J Trauma** 1986 May;26(5):438–44

Post-traumatic thrombosis of the right coronary artery. Vanezis P. **Med Sci Law** 1986 Apr;26(2):107–12

[Medical and technical aspects of the weapon effect. II. Far East weapons] Missliwetz J, et al. **Beitr Gerichtl Med** 1985; 43:445–55 (Eng. Abstr.) **(Ger)**

[Histomorphology of the heart following resuscitation] Steinbach T, et al. **Beitr Gerichtl Med** 1985;43:349–55 (Eng. Abstr.) **(Ger)**

[Extensive damage to the liver against a background of total body overcooling] Gladinets MM, et al. **Khirurgiia (Mosk)** 1986 Jul;(7):134–5 **(Rus)**

[Topographo-anatomical characteristics and mechanism of closed heart injury] Myshkin KI, et al. **Klin Khir** 1985; (10):8–10 (Eng. Abstr.) **(Rus)**

[Spontaneous autograft of the spleen after its closed injury] Nichitallo ME, et al. **Klin Khir** 1986;(1):63–4 **(Rus)**

[Injuries to the aorta in a fall from a height] Lebedev AN. **Sud Med Ekspert** 1985 Oct–Dec;28(4):18–22 (Eng. Abstr.) **(Rus)**

[Topography of stress in the bones of the pelvic ring after repeated injuries] Sarkisian BA. **Sud Med Ekspert** 1985 Jul–Sep;28(3):10–2 (Eng. Abstr.) **(Rus)**

[Forensic medical examination of patients dying in the hospital after blunt injuries of the spine] Sosedko IuI. **Sud Med Ekspert** 1985 Jul–Sep;28(3):8–10 (Eng. Abstr.) **(Rus)**

[Cardiac contusion, myocardial necrosis and interventricular communication after closed chest injury] Navarro A, et al. **Rev Esp Cardiol** 1985 Sep–Oct;38(5):364–6 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Tight-fitting garments as counterpressure devices. Welch SJ, et al. **J Emerg Med** 1985;3(4):281–3

The potentiation of the response to blunt cardiac trauma by ethanol in dogs. Desiderio MA. **J Trauma** 1986 May; 26(5):467–73

Auditory brain stem evoked responses in comatose head-injured patients. Papanicolaou AC, et al. **Neurosurgery** 1986 Feb;18(2):173–5

[Electroencephalographic changes in cranial injuries in alcoholics] Pavićević L, et al. **Neurologija** 1985; 34(1–4):77–87 (Eng. Abstr.) (Scr)

RADIOGRAPHY

Indications for angiography in extremity trauma. McCorkell SJ, et al. **AJR** 1985 Dec;145(6):1245–7

Thoracic aortic rupture: advantages of intraarterial digital subtraction angiography. Mirvis SE, et al. **AJR** 1986 May; 146(5):987–91

The clinical impact of CT for blunt abdominal trauma. Wing VW, et al. **AJR** 1985 Dec;145(6):1191–4

Blunt laryngotracheal trauma. Mace SE. **Ann Emerg Med** 1986 Jul;15(7):836–42

Cervical radiographic evaluation following blunt trauma [letter] Ogden W, et al. **Ann Emerg Med** 1986 May; 15(5):604–5

Indications for intravenous pyelography in trauma. Uehara DT, et al. **Ann Emerg Med** 1986 Mar;15(3):266–9

Head trauma and CT scans [letter] White JD. **Ann Emerg Med** 1986 Oct;15(10):1250–1

Haematuria after blunt trauma: the role of pyelography. Demetriades D, et al. **Br J Surg** 1985 Sep;72(9):745–7

Hemiazygous continuation of a left inferior vena cava: misleading radiographic findings in chest trauma. Sanchez FW, et al. **Cardiovasc Intervent Radiol** 1985;8(3):140–2

Renal trauma in 125 cases of blunt abdominal trauma. Gordon JA. **Cent Afr J Med** 1986 Jan;32(1):16–20

Computed tomography of blunt trauma to the gallbladder. Jeffrey RB Jr, et al. **J Comput Assist Tomogr** 1986 Sep–Oct; 10(5):756–8

The role of computed tomography in the management of acute abdominal trauma. Marx JA, et al. **J Emerg Med** 1985;3(4):309–10

The impact of computed tomography scanning on the child with renal trauma. Karp MP, et al. **J Pediatr Surg** 1986 Jul;21(7):617–23

Blunt liver trauma in children: the role of computed tomography in diagnosis and treatment. Vock P, et al. **J Pediatr Surg** 1986 May;21(5):413–8

Prospective study of computed tomography in initial management of blunt abdominal trauma. Peitzman AB, et al. **J Trauma** 1986 Jul;26(7):585–92

Clinical indications for radiographic evaluation of blunt renal trauma. Cass AS, et al. **J Urol** 1986 Aug;136(2):370–1

CT xray in abdominal trauma [letter] Ramirez H Jr. **Milit Med** 1985;150(9):505

Computerized tomographic demonstration of intraorbital bone fragments caused by penetrating trauma. Avrahami E, et al. **Ophthalmic Surg** 1986 Jan;17(1):41–3

Hepatic parenchymal gas after blunt trauma. Panicek DM, et al. **Radiology** 1986 May;159(2):343–4

[Computer tomography in partial optic nerve avulsion] Christ T, et al. **Klin Monatsbl Augenheilkd** 1985 Dec;187(6):531–3 (Eng. Abstr.) (Ger)

[Angiographic detection of vascular lesions following injury to the brachiocephalic branch of the aortic arch] Platzbecker H, et al. **Radiol Diagn (Berl)** 1985;26(6):767–74 (Eng. Abstr.) (Ger)

[Traumatic aneurysms—due to penetrating and nonpenetrating head injuries] Satoh N, et al. **Rinsho Hoshasen** 1985 Sep;30(9):1005–8 (Eng. Abstr.) (Jpn)

[Angiography in the diagnosis of injuries of the parenchymatous organs of the abdomen in blunt trauma] Zingerman LS, et al. **Vestn Khir** 1986 Mar;136(3):70–3 (Eng. Abstr.) (Rus)

[Roentgenodiagnosis of lung injuries in severe closed chest trauma] Kishkovskil AN, et al. **Vestn Rentgenol Radiol** 1986 Jan–Feb;(1):16–21 (Eng. Abstr.) (Rus)

[Computer tomography in the diagnosis of closed craniocerebral injuries (review of the literature)] Sumerkina MM. **Zh Vopr Neirokhir** 1985 Nov–Dec;(6):50–5 (31 ref.) (Rus)

RADIONUCLIDE IMAGING

Myocardial contusion diagnosed by first-pass radionuclide angiography. Rothstein RJ, et al. **Am J Emerg Med** 1986 May;4(3):210–3

Diagnosis of traumatic cardiac contusion. Waxman K, et al. **Arch Surg** 1986 Jun;121(6):689–92

[Gamma-topography of the cerebrospinal fluid passages of the spinal cord in traumatic injuries of the brachial plexus at the preganglionic level] Shcherbakova Ela, et al. **Zh Vopr Neirokhir** 1985 Nov–Dec;(6):33–9 (Eng. Abstr.) (Rus)

SURGERY

Current management of traumatic injuries to the liver. Aldrete JS. **Ala Med** 1985 Oct;55(4):44–6, 48

Management of pancreatic trauma. Jones RC. **Am J Surg** 1985 Dec;150(6):698–704

Nonresectional management of major hepatic trauma. An evolving concept. Moore FA, et al. **Am J Surg** 1985 Dec; 150(6):725–9

Risk of wound infections in trauma patients. Weigelt JA. **Am J Surg** 1985 Dec;150(6):782–4

Successful vascular reconstruction. Determinants of disability. Floyd HD, et al. **Am Surg** 1986 Feb;52(2):91–2

The first 70 years experience managing cardiac disruption due to penetrating and blunt injuries at the University of Louisville. Martin LF, et al. **Am Surg** 1986 Jan;52(1):14–9

Urgent and emergent re-laparotomy in trauma. A preventable cause of increased mortality? Ross SE, et al. **Am Surg** 1986 Jun;52(6):308–11

Abdominal trauma: pre-operative assessment and postoperative problems in intensive care. Webster VJ. **Anaesth Intensive Care** 1985 Aug;13(3):258–62

Combined tracheal transection and innominate artery disruption from blunt chest trauma. Goldfaden D, et al. **Ann Thorac Surg** 1986 Feb;41(2):213–5

Clamp/repair: a safe technique for treatment of blunt injury to the descending thoracic aorta. Mattox KL, et al. **Ann Thorac Surg** 1985 Nov;40(5):456–63

Blunt and penetrating diaphragmatic injuries with or without herniation of organs into the chest. Symbas PN, et al. **Ann Thorac Surg** 1986 Aug;42(2):158–62

Results of venous reconstruction after civilian vascular trauma. Pasch AR, et al. **Arch Surg** 1986 May;121(5):607–11

Intra-abdominal injury in handlebar hernia [letter] Yarbrough DR 3d. **Arch Surg** 1986 Apr;121(4):491–2

Blunt arterial injury. Fielding GA. **Aust NZ J Surg** 1986 Feb;56(2):141–5

Traumatic duodenal transection at the level of the ampulla of Vater: sphincteroplasty as a technical adjunct to primary repair. Harris JP, et al. **Aust NZ J Surg** 1986 Jun; 56(6):515–7

Recurrent blunt traumatic foot laceration. A case report. Finkelstein MS, et al. **J Am Podiatr Med Assoc** 1985 Oct; 75(10):550–2

Surgical management of peripheral nerve injuries. Rayan GM. **J Okla State Med Assoc** 1986 Jun;79(6):398–402

Diagnosis and management of blunt bronchial injury. Graham AD, et al. **J Tenn Med Assoc** 1985 Aug;78(8):508–9

Successful repair of a transected intrathoracic trachea after chest trauma. Martinez MJ, et al. **J Thorac Cardiovasc Surg** 1986 Feb;91(2):307–9

Intestinal perforation due to blunt trauma in children in an era of increased nonoperative treatment. Cobb LM, et al. **J Trauma** 1986 May;26(5):461–3

Successful management of cardiac impalement: the result of an integrated EMS–trauma system. McGill JW, et al. **J Trauma** 1986 Aug;26(8):702–5

Popliteal artery injuries: civilian experience with sixty-three patients during a twenty-four year period (1960 through 1984). Downs AR, et al. **J Vasc Surg** 1986 Jul;4(1):55–62

Subclavian–axillary vascular trauma. McCready RA, et al. **J Vasc Surg** 1986 Jan;3(1):24–31

Distal pancreatectomy with splenic preservation: a blunt trauma patient report. Henriques HF, et al. **Md Med J** 1986 Apr;35(4):285–7

Roller injury to the upper extremity. Finley RK 3d, et al. **Pa Med** 1985 Sep;88(9):60–2

Traumatic bronchial injuries in children. Ein SH, et al. **Pediatr Pulmonol** 1986 Jan–Feb;2(1):60–4

Anesthetic considerations in traumatic tracheobronchial rupture. Santora AH, et al. **South Med J** 1986 Jul; 79(7):910–1

[Rupture of the retroperitoneal portion of the duodenum in blunt abdominal injury] Georgiev Kh. **Khirurgiia (Sofiia)** 1985;38(5):58–9 (Bul)

[Injury of the gastrointestinal tract following blunt abdominal trauma] Dapunt O, et al. **Chirurg** 1985 Nov;56(11):695–8 (Ger)

[Treatment of bile duct and pancreas injuries] Farthmann EH, et al. **Chirurg** 1985 Nov;56(11):688–94 (Ger)

[Ureteral rupture caused by blunt abdominal trauma] Hanssen LH, et al. **Chirurg** 1986 Feb;57(2):107–8 (Ger)

[Treatment of splenic rupture] Klaue P. **Chirurg** 1985 Nov; 56(11):680–7 (Ger)

[Stabilizing operations of the thorax] Schmit-Neuerburg KP, et al. **Chirurg** 1986 Jan;57(1):1–14 (Ger)

[Injury of the pancreas within the scope of blunt abdominal trauma] Kasperk R, et al. **Unfallchirurg** 1986 May; 89(5):230–4 (Eng. Abstr.) (Ger)

[Trends in the therapy of live and spleen injuries] Welter HF, et al. **Unfallchirurg** 1986 May;89(5):223–9 (Eng. Abstr.) (Ger)

[Cholecystitis in accident surgery] Huegel A, et al. **Unfallchirurgie** 1986 Jun;12(3):158–63 (Eng. Abstr.) (Ger)

[Conservative treatment of splenic injuries. Review of 6 cases in a total of 51 injuries of the spleen seen between 1974 and 1984] Calì V, et al. **Minerva Chir** 1985 Oct 15; 40(19):1331–6 (Eng. Abstr.) (Ita)

[Mobile costal border in closed injuries of the thorax. II. Controversies and current therapy] Ceraudo E, et al. **Minerva Chir** 1985 Sep 30;40(18):1255–65 (Eng. Abstr.) (Ita)

[Closed injuries of the urethra in boys] Stechly HJ, et al. **Pediatr Pol** 1985 Oct;60(10):713–8 (Pol)

[Surgical treatment of traumatic heart defects] Podzolkov VP, et al. **Kardiologiia** 1985 Dec;25(12):65–70 (Eng. Abstr.) (Rus)

[Injuries of the major arteries] Apsatarov EA, et al. **Khirurgiia (Mosk)** 1985 Dec;(12):38–42 (Eng. Abstr.) (Rus)

[Surgical procedure in liver injuries] Burakov AA, et al. **Khirurgiia (Mosk)** 1986 Jul;(7):9–12 (Eng. Abstr.) (Rus)

[Treatment of abdominal injuries] Mamedov IM, et al. **Khirurgiia (Mosk)** 1986 Jan;(1):82–7 (Eng. Abstr.) (Rus)

[Occlusion of the ductal system in transverse rupture of the pancreas] Shtofin SG, et al. **Khirurgiia (Mosk)** 1985 Aug; (8):129 (Rus)

[Closed injuries to the pancreas] Zolin VP, et al. **Khirurgiia (Mosk)** 1985 Aug;(8):24–5 (Eng. Abstr.) (Rus)

[Surgical treatment of liver injuries] Aslanian AA, et al. **Klin Khir** 1985;(9):51–2 (Eng. Abstr.) (Rus)

[Isolated rupture of the gallbladder artery in blunt abdominal injury] Brovkin VA. **Klin Khir** 1986;(4):60–1 (Rus)

[Diagnosis and treatment of rupture of the bladder] Korotkevich GE, et al. **Klin Khir** 1985;(12):25–6 (Eng. Abstr.) (Rus)

[Closed injuries of the duodenum in children] Odinak VM. **Vestn Khir** 1986 Jun;136(6):101–4 (Rus)

[Wounds and blunt injuries of the abdomen (a review of foreign literature)] Traybuliak GN. **Vestn Khir** 1985 Oct; 135(10):133–9 (62 ref.) (Rus)

[Remote results of the surgical treatment of closed and open injuries of the liver] Zinevich VP, et al. **Vestn Khir** 1985 Oct;135(10):72–5 (Eng. Abstr.) (Rus)

[Nonpenetrating deceleration injuries of the thoracic aorta—3 case reports] Petrović P, et al. **Med Pregl** 1985; 38(11–12):547–50 (Eng. Abstr.) (Scr)

[Pancreatic injuries in children] Zavarský F, et al. **Rozhl Chir** 1986 Mar;65(3):191–7 (Eng. Abstr.) (Slo)

[An alternative in the repair of traumatic rupture of the choledochus: report of a patient] González Olivares J, et al. **Rev Gastroenterol Mex** 1985 Oct–Dec;50(4):295–8 (Eng. Abstr.) (Spa)

THERAPY

Treatment of acute pancreatic injuries in childhood. Salonen IS, et al. **Ann Chir Gynaecol** 1985;74(4):167–71

Treatment of mallet thumb. McCarten GM, et al. **Aust NZ J Surg** 1986 Mar;56(3):285–6

Management of acute cardiac trauma. Estrera AS, et al. **Cardiol Clin** 1984 May;2(2):239–56 (80 ref.)

Emergency thoracotomy. Krome RL, et al. **Emerg Med Clin North Am** 1986 Aug;4(3):459–65 (12 ref.)

Indications for intubation in blunt chest trauma. Barone JE, et al. **J Trauma** 1986 Apr;26(4):334–8

Selection and nonoperative management of pediatric blunt trauma patients: the role of quantitative crystalloid resuscitation and abdominal ultrasonography. Hoelzer DJ, et al. **J Trauma** 1986 Jan;26(1):57–62

Determinants of outcome after pulmonary contusion. Johnson JA, et al. **J Trauma** 1986 Aug;26(8):695–7

Penile fracture: diagnosis and management. Klein FA, et al. **J Trauma** 1985 Nov;25(11):1090–2

Prospective randomized evaluation of antishock MAST in post-traumatic hypotension. Mattox KL, et al. **J Trauma** 1986 Sep;26(9):779–86

Appropriate management of splenic trauma [letter] Lee J. **Mayo Clin Proc** 1986 Oct;61(10):836–7

Changing attitudes toward the management of blunt splenic trauma in adults. Mucha P Jr. **Mayo Clin Proc** 1986 Jun; 61(6):472–7

Blunt liver injury in childhood: evolution of therapy and current perspective. Oldham KT, et al. **Surgery** 1986 Sep; 100(3):542–9

[Closed injuries of the thorax. Therapeutic attitudes. Apropos of 140 cases] Lamour A, et al. **Chirurgie** 1985;111(3):258–64 (Eng. Abstr.) (Fre)

[Liver injuries] Glinz W, et al. **Schweiz Med Wochenschr** 1986 Apr 26;116(17):555–9 (Eng. Abstr.) (Ger)

[Mobile costal border in closed injuries of the thorax. I. Controversies and current therapy] Ceraudo E, et al. **Minerva Chir** 1985 Sep 30;40(18):1247–54 (Eng. Abstr.) (Ita)

[Conservative treatment of injuries of the liver] Pollice S, et al. **Minerva Chir** 1985 Nov 30;40(22):1547–54 (Eng. Abstr.) (Ita)

[Abdominal injuries] Kocon T, et al. **Wiad Lek** 1985 Nov 15;38(22):1556–61 (Eng. Abstr.) (Pol)

[Complex pelviperineal injuries] Birolini D, et al. **AMB** 1985 May–Jun;31(5–6):91–7 (Eng. Abstr.) (Por)

[Use of the permanent magnetic field of magnetoelastics in nonpenetrating corneal wounds in the health stations of the oil-producing enterprises of the Udmurt ASSR] Zaĭkova MV, et al. **Oftalmol Zh** 1985;(7):442–3 (Rus)

VETERINARY

Infraspinatus muscle contracture associated with trauma in a dog. Carberry CA, et al. **J Am Vet Med Assoc** 1986 Mar 1;188(5):533–4

WOUNDS, PENETRATING

Penetrating neck trauma: consensus and controversies. Carducci B, et al. **Ann Emerg Med** 1986 Feb;15(2):208–15

The exploding bottle top and oropharyngeal injuries. Vallis MP, et al. **Br J Surg** 1986 Mar;73(3):221

Lens-induced inflammations. Khalil MK, et al. **Can J Ophthalmol** 1986 Apr;21(3):96–102

Morphological study of epiretinal membrane following posterior penetrating injury in the monkey eye. Matsumoto B, et al. **Curr Eye Res** 1986 Apr;5(4):295–305

An unusual complication of perforating wounds of the eye. Fortuin ME, et al. **Doc Ophthalmol** 1986 Jan 15; 61(3–4):197–203

Partial disconnection syndrome following penetrating stab wound of the brain. Abe T, et al. **Eur Neurol** 1986; 25(3):233–9

Fiber type and fiber size changes in selected thigh muscles six months after low thoracic spinal cord transection in adult cats: exercise effects. Roy RR, et al. **Exp Neurol** 1986 Jun;92(3):675–85

Effect of air ions on healing of wounds of rat skin. Jaśkowski J, et al. **Exp Pathol** 1986;29(2):113–7

An unusual laryngeal foreign body. Agrawal SR, et al. **J Laryngol Otol** 1986 Mar;100(3):357–9

Epikeratophakia in children with traumatic cataracts. Morgan KS, et al. **J Pediatr Ophthalmol Strabismus** 1986 May–Jun;23(3):108–14

Experimental retinal detachment in the rabbit. Penetrating ocular injury with retinal laceration. Hsu HT, et al. **Retina** 1986 Winter–Spring;6(1):66–9

Eye injuries in children. Crawford JS. **Trans New Orleans Acad Ophthalmol** 1986;:327–61

[The harm of intracranial wooden foreign bodies] Cai ZT, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Aug;23(8):495–6, 511 (Eng. Abstr.) (Chi)

BLOOD

[Activity of leukocyte acid phosphatase during the healing of experimental skin wounds] Lipshits RU, et al. **Fiziol Zh** 1985 Sep–Oct;31(5):632–4 (Rus)

[Various components of the kallikrein–kinin system in penetrating wounds of the eye] Teriukhanova OV. **Vestn Oftalmol** 1985 Sep–Oct;101(5):51–3 (Eng. Abstr.) (Rus)

CLASSIFICATION

[Classification of combined chest and abdominal wounds] Abakumov MM, et al. **Vestn Khir** 1985 Sep;135(9):76–80 (Eng. Abstr.) (Rus)

COMPLICATIONS

Traumatic diaphragmatic injuries. Cotter CP Jr, et al. **Am Fam Physician** 1986 Jan;33(1):197–203 (17 ref.)

Antibiotics in penetrating abdominal trauma. Comparison of ticarcillin plus clavulanic acid with gentamicin plus clindamycin. Fabian TC, et al. **Am J Med** 1985 Nov 29; 79(5B):157–60

The incidence of alcohol abuse and coagulopathy in penetrating abdominal trauma. Choban PS, et al. **Am Surg** 1986 Jan;52(1):44–6

Occult transorbital intracranial penetrating injuries. Mono J, et al. **Ann Emerg Med** 1986 May;15(5):589–91

Reversible visual loss following optic nerve injury. Marouf L, et al. **Ann Ophthalmol** 1985 Sep;17(9):582–4

The uses of two-dimensional Doppler echocardiographic techniques preoperatively and postoperatively in a ventricular septal defect caused by penetrating trauma. Goldman AP, et al. **Ann Thorac Surg** 1985 Dec;40(6):625–7

Predicting posttraumatic epilepsy in penetrating head injury. Weiss GH, et al. **Arch Neurol** 1986 Aug;43(8):771–3

Malignant melanoma at the site of penetrating ocular trauma. el Baba F, et al. **Arch Ophthalmol** 1986 Mar;104(3):405–9

Efficacy of short-course antibiotic prophylaxis after penetrating intestinal injury. A prospective randomized trial. Dellinger EP, et al. **Arch Surg** 1986 Jan;121(1):23–30

Dilaceration caused by direct penetrating injury. Lowe PL. **Br Dent J** 1985 Dec 7;159(11):373–4

Late pericardial tamponade and coronary arteriovenous fistula after trauma. Martin R, et al. **Br Heart J** 1986 Feb; 55(2):216–8

Robin Hood's legacy. Earnshaw JJ, et al. **Br Med J [Clin Res]** 1985 Dec 21–28;291(6511):1766

Versive seizures of probable occipital origin in a case of posttraumatic epilepsy. Oller L, et al. **Eur Neurol** 1985; 24(5):355–9

Natural history of penetrating ocular injury with retinal laceration in the monkey. Hsu HT, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(1):1–6

Retinal detachment due to perforating injury. Azad R, et al. **Indian J Ophthalmol** 1984 Sep–Oct;32(5):303–6

Perforating ocular injuries with retained intra-ocular foreign bodies. Dhir SP, et al. **Indian J Ophthalmol** 1984 Sep–Oct; 32(5):289–92

Management of anterior segment perforating ocular injuries involving lens and vitreous. Raju VK. **Indian J Ophthalmol** 1984 Sep–Oct;32(5):299–301

Musculoskeletal infections in children. Part IV. Pseudomonas infections of the foot following puncture wounds. Green NE. **Instr Course Lect** 1983;32:43–6

Traumatic aneurysm of the facial artery caused by missile injury. Rahmat H, et al. **J Oral Maxillofac Surg** 1985 Dec; 43(12):990–2

The late effect of grenade fragments. Symonds RP, et al. **J R Army Med Corps** 1985 Jun;131(2):68–9

Pericardial tamponade: a critical determinant for survival following penetrating cardiac wounds. Moreno C, et al. **J Trauma** 1986 Sep;26(9):821–5

Consciousness and amnesia after penetrating head injury: neurology and anatomy. Salazar AM, et al. **Neurology** 1986 Feb;36(2):178–87

[Therapeutic principles for retinal detachment following perforating injuries] Bacin F, et al. **Bull Soc Ophtalmol Fr** 1984 Dec;84(12):1427–31 (Eng. Abstr.) (Fre)

[Comparison of the binocular results obtained in post-traumatic unilateral aphakia fitted with lenses or intraocular implants] Woillez M, et al. **Bull Soc Ophtalmol Fr** 1985 Feb;85(2):185–8 (Fre)

[Obstructive jaundice 64 years after a grenade splinter injury of the liver] Möller R, et al. **Chirurg** 1985 Aug;56(8):532–4 (Ger)

[Extracranial injuries of the internal carotid artery] Dokder E. **Helv Chir Acta** 1985 Dec;52(5):713–6 (Eng. Abstr.) (Ger)

[Recommendations for the evaluation of complicated aphakia in private accident insurance] Emmerich KH. **Klin Monatsbl Augenheilkd** 1985 Sep;187(3):224–6 (Eng. Abstr.) (Ger)

[Atypical clinical picture of median nerve damage related to its developmental anomaly] Sankowski A, et al. **Chir Narzadow Ruchu Ortop Pol** 1985;50(2):126–9 (Eng. Abstr.) (Pol)

[A new approach in the complex treatment of open injuries] Novikov FG. **Klin Khir** 1986;(4):28–31 (Eng. Abstr.) (Rus)

[Infectious suppurative endophthalmitis in a penetrating eye wound as a reason for enucleation] Khoroshilova IP, et al. **Vestn Oftalmol** 1986 Jan–Feb;102(1):40–2 (Eng. Abstr.) (Rus)

[Life-threatening injuries of the esophagus in children] Janec M, et al. **Rozhl Chir** 1985 Jul;64(7):484–7 (Eng. Abstr.) (Slo)

DIAGNOSIS

Unrecognized penetrating intracranial foreign body. Irwin GE Jr, et al. **Am J Emerg Med** 1986 Sep;4(5):412–3

Panendoscopy with arteriography versus mandatory exploration of penetrating wounds of the neck. Noyes LD, et al. **Ann Surg** 1986 Jul;204(1):21–31

Two-dimensional and Doppler echocardiography in the evaluation of penetrating cardiac injury. Jacoby SS, et al. **Chest** 1985 Dec;88(6):922–4

Utility of echocardiography in the management of patients with penetrating missile wounds of the heart. Hassett A, et al. **J Am Coll Cardiol** 1986 May;7(5):1151–6

Delayed presentation of traumatic diaphragmatic hernia. Saber WL, et al. **J Emerg Med** 1986;4(1):1–7

Penetrating injuries of the neck. Emergency evaluation and management. Broniatowski M, et al. **Postgrad Med** 1986 Jul;80(1):155–60

[Perforating eye injuries in automobile accidents. A follow-up study] Alsbirk KE, et al. **Ugeskr Laeger** 1986 Feb 3;148(6):319–23 (Eng. Abstr.) (Dan)

[Craniocerebral wounds at the convexity] Rusu M, et al. **Rev Med Chir Soc Med Nat Iasi** 1984 Jul–Sep;88(3):483–90 (Eng. Abstr.) (Rum)

[Diagnosis and surgical tactics in heart injuries] Ovchinnikov VA, et al. **Grudn Khir** 1986 May–Jun;(3):20–4 (Eng. Abstr.) (Rus)

[Diagnosis and treatment of abdominal injuries] Rafiev SF. **Klin Khir** 1986;(4):52–5 (49 ref.) (Rus)

[Ultrasonic study in fragmentation trauma of the eye] Kodzov MB, et al. **Oftalmol Zh** 1985;(5):261–3 (Eng. Abstr.) (Rus)

[Combined injuries of the the pelvic bones and urethral canal in children] Bairov GA, et al. **Vestn Khir** 1985 Sep; 135(9):89–93 (Eng. Abstr.) (Rus)

[Diagnosis of injuries of the diaphragm in penetrating wounds of the chest (concerning the article by Prof. V.M. Buianov et. al. "Laparoscopy in thoracoabdominal penetrating wounds")] Nifant'ev OE, et al. **Vestn Khir** 1985 Aug; 135(8):129–30 (Rus)

[Angiographic research on the sequelae of fragmentation injuries of the eye] Gundorova RA, et al. **Vestn Oftalmol** 1986 Jan–Feb;102(1):23–5 (Eng. Abstr.) (Rus)

DRUG THERAPY

Comparison of cefamandole and carbenicillin in preventing sepsis following penetrating abdominal trauma. Lou MA, et al. **Am Surg** 1985 Oct;51(10):580–6

Effect of urokinase on posterior penetrating eye injuries. Lee S, et al. **Can J Ophthalmol** 1985 Dec;20(7):251–3

The efficacy of retinoic acid ointment for treatment of xerophthalmia and corneal epithelial wounds. Ubels JL, et al. **Curr Eye Res** 1985 Oct;4(10):1049–57

A prospective randomized study of moxalactam versus gentamicin and clindamycin in penetrating abdominal trauma. Kreis DJ Jr, et al. **Surg Gynecol Obstet** 1986 Jul; 163(1):1–4

[Use of levomycetin sodium succinate in the complex treatment of penetrating wounds of the eye] Ivanitskaia EV, et al. **Oftalmol Zh** 1986;(2):107–9 (Eng. Abstr.) (Rus)

[Apilac in the treatment of traumatic lesions of the cornea] Nedel'ka AF, et al. **Oftalmol Zh** 1986;(1):51–2 (Eng. Abstr.) (Rus)

ENZYMOLOGY

[Corneal dehydrogenases in penetrating wounds] Ivanitskaia EV. **Oftalmol Zh** 1985;(7):444–5 (Rus)

ETIOLOGY

Suicidal transurethral perforation of bladder. Diggs CA. **Am J Forensic Med Pathol** 1986 Jun;7(2):169–71

Chain link fence impalements in a traffic accident. Giusti GV, et al. **Am J Forensic Med Pathol** 1986 Jun;7(2):167–8

A work-related death due to a penetrating chest injury. Katanick D, et al. **Am J Forensic Med Pathol** 1986 Jun; 7(2):163–4

A single fatal penetrating chest wound from shattered wind-blown glass. Murphy GK. **Am J Forensic Med Pathol** 1985 Dec;6(4):332–5

Penetrating abdominal wounds in pregnancy. Pierson R, et al. **Ann Emerg Med** 1986 Oct;15(10):1232–4

Eye injuries induced by a barbed three-pronged fishing spear [letter] Zeligowski AA, et al. **Arch Ophthalmol** 1986 May; 104(5):639

Esophageal perforation after fiberoptic endoscopic injection sclerotherapy for esophageal varices. Shemesh E, et al. **Arch Surg** 1986 Feb;121(2):243–5

Intracranial penetration of a nail from nailing gun through cheek and infratemporal fossa (a case report). Luotonen J. **J Laryngol Otol** 1986 Feb;100(2):247–50

Unusual pharyngeal perforation. Rothman D. **J Med Soc NJ** 1985 Aug;82(8):671–3

A unique case of high-pressure injection injury of the hand. Geller ER, et al. **J Trauma** 1986 May;26(5):483–5

High-pressure tool injection injuries. McClinton MA, et al. **Md Med J** 1985 Mar;34(3):289–91

Penetrating wounds caused by needle-fish in Oceania. Barss PG. **Med J Aust** 1985 Dec 9–23;143(12–13):617–8, 621–2

Pseudomonas bursitis: inoculation from a catfish. Broderick A, et al. **Pediatr Infect Dis** 1985 Nov–Dec;4(6):693–4

Cut-throat—a case report. Loh LE. **Singapore Med J** 1985 Dec;26(7):567–8

Aortic laceration after anterior spinal fusion. Woolsey RM. **Surg Neurol** 1986 Mar;25(3):267–8

[Causes and prevention of eye injuries] Ottenheim SE, et al. **Ned Tijdschr Geneeskd** 1985 Oct 26;129(43):2070–3 (Eng. Abstr.) (Dut)

[Severe eye injuries caused by wearing headgear] Ruprecht KW. **Fortschr Kieferorthop** 1985 Dec;46(6):498 (Ger)

[Local anesthesia with accidental perforation of the eye—an acute emergency?] Lincoff H, et al. **Klin Monatsbl Augenheilkd** 1986 Feb;188(2):128–32 (Eng. Abstr.) (Ger)

[A case of open anterior atlas arc fracture caused by a gas cushioned office swivel chair] Illgner A, et al. **Unfallchirurg** 1986 Mar;89(3):138–41 (Eng. Abstr.) (Ger)

[Perforation of the right ventricular wall by electrodes for permanent endocavitary stimulation] Haberka K, et al. **Kardiol Pol** 1985;28(8–9):541–6 (Eng. Abstr.) (Pol)

[Unusual penetrating injury of the posterior gastric wall] Mitrofanov EI, et al. **Klin Khir** 1986;(4):57 (Rus)

HISTORY

[Injuries of the heart and pericardium (Henri Mondor)] Binet JP. **Chirurgie** 1985;111(5):405–12 (Fre)

MICROBIOLOGY

[Characteristics of microflora in penetrating wounds of the eye] Gromov SA, et al. **Voen Med Zh** 1986 May;(5):29–32 (Rus)

MORTALITY

Liver trauma. Little JM, et al. **Aust NZ J Surg** 1986 Aug; 56(8):613–9

OCCURRENCE

A profile of penetrating eye injuries. Mukherjee AK, et al. **Indian J Ophthalmol** 1984 Sep–Oct;32(5):269–71

Perforating injuries in coal mining area. Narain L. **Indian J Ophthalmol** 1984 Sep–Oct;32(5):273–6

PARASITOLOGY

Piscine adult nematode invading an open lesion in a human hand. Deardorff TL, et al. **Am J Trop Med Hyg** 1986 Jul; 35(4):827–30

PATHOLOGY

Traumatic laceration of the inferior rectus muscle. Ullman S, et al. **Am J Ophthalmol** 1985 Dec 15;100(6):855–6

Ultrasonography in perforating ocular injuries. Agarwal HC, et al. **Indian J Ophthalmol** 1984 Sep–Oct;32(5):285–8

Animal bites causing central nervous system injury in children. A report of three cases. Steinbok P, et al. **Pediatr Neurosci** 1985–86;12(2):96–100

[Intraocular fibrosis after perforating injury of the posterior segment. Experimental study] Kantelip B, et al. **J Fr Ophtalmol** 1985;8(3):245–53 (Eng. Abstr.) (Fre)

[Perforation of the vaginal and rectal areas—self-inflicted or caused by another hand?] Missliwetz J, et al. **Arch Kriminol** 1985 Nov–Dec;176(5–6):146–52 (Ger)

[Medical and technical aspects of the weapon effect. II. Far East weapons] Missliwetz J, et al. **Beitr Gerichtl Med** 1985; 43:445–55 (Eng. Abstr.) (Ger)

[Intracranial penetrating injuries caused by glass splinters. Report of three cases] Kamiyama K, et al. **Neurol Med Chir (Tokyo)** 1985 Aug;25(8):668–71 (Jpn)

[Incised neck wound with transection of the larynx and pharynx] Kravtsov VK, et al. **Klin Khir** 1985;(10):62–3 (Rus)

[Morphofunctional status of mast cells of the skin outside the focus of an experimental wound] Lipshits RU, et al. **Vestn Dermatol Venerol** 1986;(6):20–3 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Long-term study after perforation of the round window. Animal experiments using electric response audiometry. Lamm K, et al. **Acta Otolaryngol (Stockh)** 1986 Jul–Aug; 102(1–2):27–30

Experimental posterior perforating ocular injury: a controlled study of the gross effects of localised gamma irradiation. Chakravarthy U, et al. **Br J Ophthalmol** 1986 Aug; 70(8):561–9

PREVENTION & CONTROL

Needlecaps to prevent needlestick injuries. Sumner W 2d. **Infect Control** 1985 Dec;6(12):495–7

Prevention of needle sticking injuries in hospital wards [letter] Arnott NM. **NZ Med J** 1986 Jan 22;99(794):27

[Efficacy of preventing injuries and the treatment results in penetrating eye wounds in Moscow children] Kovalevskii EI, et al. **Vestn Oftalmol** 1986 May–Jun;102(3):51–5 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Face memory and discrimination: an analysis of the persistent effects of penetrating brain wounds. Grafman J, et al. **Int J Neurosci** 1986 Mar;29(1–2):125–39

Effects of left–hand preference on postinjury measures of distal motor ability. Grafman J, et al. **Percept Mot Skills** 1985 Oct;61(2):615–24

RADIOGRAPHY

Indications for angiography in extremity trauma. McCorkell SJ, et al. **AJR** 1985 Dec;145(6):1245–7

Indications for intravenous pyelography in trauma. Uehara DT, et al. **Ann Emerg Med** 1986 Mar;15(3):266–9

Penetrating injuries: how easy is it to see glass (and plastic) on radiographs? de Lacey G, et al. **Br J Radiol** 1985 Jan; 58(685):27–30

Penetrating injury of the thigh: a missed radiological diagnosis. Wade PJ. **Injury** 1985 Sep;16(8):568–9

Use of the contrast–enhanced CT enema in the management of penetrating trauma to the flank and back. Phillips T, et al. **J Trauma** 1986 Jul;26(7):593–601

Computerized tomographic demonstration of intraorbital bone fragments caused by penetrating trauma. Avrahami E, et al. **Ophthalmic Surg** 1986 Jan;17(1):41–3

[A very misleading palpebral wound. Value of the examination of the trigeminal nerve] Roure A, et al. **Bull Soc Ophtalmol Fr** 1985 May;85(5):577–9 **(Fre)**

[Traumatic aneuryams—due to penetrating and nonpenetrating head injuries] Satoh N, et al. **Rinsho Hoshasen** 1985 Sep;30(9):1005–8 (Eng. Abstr.) **(Jpn)**

[Diagnostic and surgical problems of injuries of the kidney: with double arterial vascularization] Fryczkowski M, et al. **Pol Przegl Radiol (Warszawa)** 1985 Jul–Aug; 49(4):258–62 (Eng. Abstr.) **(Pol)**

REHABILITATION

Rehabilitation outcome of combat head injuries: comparison of October 1973 War and Lebanon War, 1982. Groswasser Z, et al. **Isr J Med Sci** 1985 Dec;21(12):957–61

[Is occupational rehabilitation with posterior chamber lenses in early life possible? Case report] Kotzamanoglu K. **Klin Monatsbl Augenheilkd** 1985 Dec;187(6):529–30 (Eng. Abstr.) **(Ger)**

[Early medical rehabilitation of patients with injuries to the crystalline lens] Zorina MB. **Oftalmol Zh** 1986;(3):143–5 (Eng. Abstr.) **(Rus)**

SURGERY

Penetrating wounds of the neck. Experience from a Swedish hospital. Almskog BA, et al. **Acta Chir Scand** 1985; 151(5):419–23

Vitrectomy in double perforating eye injuries. Vatne HO, et al. **Acta Ophthalmol (Copenh)** 1985 Oct;63(5):552–6

Current management of traumatic injuries to the liver. Aldrete JS. **Ala Med** 1985 Oct;55(4):44–6, 48

Emergency department thoracotomy for penetrating injuries: predictive value of patient classification. Roberge RJ, et al. **Am J Emerg Med** 1986 Mar;4(2):129–35

Vitrectomy for double penetrating ocular injuries. Ramsay RC, et al. **Am J Ophthalmol** 1985 Oct 15;100(4):586–9

Management of pancreatic trauma. Jones RC. **Am J Surg** 1985 Dec;150(6):698–704

Risk of wound infections in trauma patients. Weigelt JA. **Am J Surg** 1985 Dec;150(6):782–4

Successful vascular reconstruction. Determinants of disability. Floyd HD, et al. **Am Surg** 1986 Feb;52(2):91–2

The first 70 years experience managing cardiac disruption due to penetrating and blunt injuries at the University of Louisville. Martin LF, et al. **Am Surg** 1986 Jan;52(1):14–9

Penetrating injuries of the mediastinum. Peper WA, et al. **Am Surg** 1986 Jul;52(7):359–65

Urgent and emergent re–laparotomy in trauma. A preventable cause of increased mortality? Ross SE, et al. **Am Surg** 1986 Jun;52(6):308–11

Penetrating pancreatic injuries, 1978–1983. Sorensen VJ, et al. **Am Surg** 1986 Jul;52(7):354–8

Open eye injuries [letter] Bourke DL. **Anesthesiology** 1985 Dec;63(6):727

Use of nondepolarizing anesthetic agents in penetrating ocular injuries [letter] Rich AL, et al. **Anesthesiology** 1986 Jul;65(1):108–9

Anesthesia for open eye surgery [letter] Weiner MJ, et al. **Anesthesiology** 1986 Jul;65(1):109–10

Cardiac wounds. Experience with 70 patients. Demetriades D. **Ann Surg** 1986 Mar;203(3):315–7

Blunt and penetrating diaphragmatic injuries with or without herniation of organs into the chest. Symbas PN, et al. **Ann Thorac Surg** 1986 Aug;42(2):158–62

Treatment of thoracic injuries [letter] Weissberg D. **Ann Thorac Surg** 1986 Sep;42(3):348

Direct trauma to the superior oblique tendon following penetrating injuries of the upper eyelid. Bachynski BN, et al. **Arch Ophthalmol** 1985 Oct;103(10):1510–4

Single–antibiotic use for penetrating abdominal trauma. Nelson RM, et al. **Arch Surg** 1986 Feb;121(2):153–6

Results of venous reconstruction after civilian vascular trauma. Pasch AR, et al. **Arch Surg** 1986 May;121(5):607–11

Recognition of acutely lacerated ulnar nerve–median nerve palmar communicating branch. A case report. Rollins J, et al. **Clin Orthop** 1985 Dec;(201):91–3

Management of the injured colon. Lucas CE, et al. **Curr Surg** 1986 May–Jun;43(3):190–3

Perforating injuries of cornea (immediate and delayed surgical approach). Kalevar V. **Indian J Ophthalmol** 1984 Sep–Oct;32(5):281–3

Management of perforating injuries of the anterior segment. Panda A, et al. **Indian J Ophthalmol** 1984 Sep–Oct; 32(5):295–8

Thoracic aortic injury. Coltharp WH, et al. **J Miss State Med Assoc** 1985 Nov;26(11):311–5

Surgical management of peripheral nerve injuries. Rayan GM. **J Okla State Med Assoc** 1986 Jun;79(6):398–402

Chain saw injury of the maxillofacial region. Marks RB, et al. **J Oral Maxillofac Surg** 1986 Mar;44(3):240–3

Subclavian–axillary vascular trauma. McCready RA, et al. **J Vasc Surg** 1986 Jan;3(1):24–31

Optimal limb salvage in penetrating civilian vascular trauma. Pasch AR, et al. **J Vasc Surg** 1986 Feb;3(2):189–95

Sodium hyaluronate (Healon) in the repair of perforating injuries of the eye. Drews RC. **Ophthalmic Surg** 1986 Jan; 17(1):23–9

Replantation for ring avulsion injuries. Rao VK, et al. **Wis Med J** 1985 Oct;84(10):15–8

[Craniocerebral puncture wound and its surgical treatment] Liu QK. **Chung Hua Wai Ko Tsa Chih** 1986 Jan;24(1):22, 62 (Eng. Abstr.) **(Chi)**

[Vitreoretinal strategy in perforating injuries of the posterior segment] Bonnet M. **Annee Ther Clin Ophtalmol** 1985; 36:199–217 (Eng. Abstr.) **(Fre)**

[Current aspects of direct suturing of canalicular injuries] George JL, et al. **Bull Soc Ophtalmol Fr** 1985 Jan;85(1):81–3 (Eng. Abstr.) **(Fre)**

[Early and late management of anorectal injuries] Denecke H, et al. **Chirurg** 1986 May;57(5):309–15 **(Ger)**

[Open craniocerebral injuries] Stula D. **Helv Chir Acta** 1985 Sep;52(3–4):605–12 (Eng. Abstr.) **(Ger)**

[Penetrating carotid artery laceration—case report] Wozasek GE, et al. **Unfallchirurgie** 1986 Jun;12(3):133–4 (Eng. Abstr.) **(Ger)**

[High–pressure spray gun injury of the thigh] Sill U. **Zentralbl Chir** 1986;111(7):406–8 **(Ger)**

[Intracranial late abscesses following injuries caused by grenade splinters] Waldbaur H, et al. **Zentralbl Neurochir** 1985;46(4):354–9 (Eng. Abstr.) **(Ger)**

[Conservative treatment of splenic injuries. Review of 6 cases in a total of 51 injuries of the spleen seen between 1974 and 1984] Cali V, et al. **Minerva Chir** 1985 Oct 15; 40(19):1331–6 (Eng. Abstr.) **(Ita)**

[Open injuries of the upper extremity—surgical treatment] Bednarz R. **Pediatr Pol** 1985 Oct;60(10):710–2 **(Pol)**

[Urethral injuries in boys and their treatment] Raciborski K. **Pediatr Pol** 1986 Feb;61(2):128–33 (28 ref.) **(Pol)**

[Abdominal injuries] Kocon T, et al. **Wiad Lek** 1985 Nov 15;38(22):1556–61 (Eng. Abstr.) **(Pol)**

[Injuries of the major arteries] Apsatarov EA, et al. **Khirurgiia (Mosk)** 1985 Dec;(12):38–42 (Eng. Abstr.) **(Rus)**

[Surgical procedure in liver injuries] Burakov AA, et al. **Khirurgiia (Mosk)** 1986 Jul;(7):9–12 (Eng. Abstr.) **(Rus)**

[Surgical tactics in the treatment of patients with fractures and extensive injuries of the soft tissues] Ivanova NP, et al. **Khirurgiia (Mosk)** 1985 Nov;(11):77–80 (Eng. Abstr.) **(Rus)**

[Treatment of abdominal injuries] Mamedov IM, et al. **Khirurgiia (Mosk)** 1986 Jan;(1):82–7 (Eng. Abstr.) **(Rus)**

[Treatment of peace–time injuries of the blood vessels] Zakharova GN, et al. **Khirurgiia (Mosk)** 1985 Dec;(12):32–8 (Eng. Abstr.) **(Rus)**

[Surgical treatment of liver injuries] Aslanian AA, et al. **Klin Khir** 1985;(9):51–2 (Eng. Abstr.) **(Rus)**

[Combined penetrating injury of the stomach, pancreas and portal vein] Chmel' VB, et al. **Klin Khir** 1986;(4):58 **(Rus)**

[Reasons for enucleation of the eyes in children with penetrating injuries] Stetsula TI. **Oftalmol Zh** 1986; (2):114–6 (Eng. Abstr.) **(Rus)**

[Immediate and late treatment results in penetrating eye wounds] Titenko KS, et al. **Oftalmol Zh** 1985;(4):252–3 **(Rus)**

[Primary dermatoplasty in open injuries of the hand and fingers in ambulatory conditions] Voltovich AV, et al. **Ortop Travmatol Protez** 1986 May;(5):12–4 (Eng. Abstr.) **(Rus)**

[Penetrating wounds of abdominal cavity in children] Bolbas TM. **Vestn Khir** 1985 Jun;134(6):107–9 (Eng. Abstr.) **(Rus)**

[Characteristics of angiotraumatological service in combined injuries of major blood vessels of the limbs] Kliuchevskii VV, et al. **Vestn Khir** 1985 Jun;134(6):137–41 **(Rus)**

[Thoracotomy in penetrating wounds of the chest] Kolesov AP, et al. **Vestn Khir** 1985 Oct;135(10):68–71 (Eng. Abstr.) **(Rus)**

[Wounds and blunt injuries of the abdomen (a review of foreign literature)] Tsybuliak GN. **Vestn Khir** 1985 Oct; 135(10):133–9 (62 ref.) **(Rus)**

[Remote results of the surgical treatment of closed and open injuries of the liver] Zinevich VP, et al. **Vestn Khir** 1985 Oct;135(10):72–5 (Eng. Abstr.) **(Rus)**

[Surgical treatment of penetrating fragmentation wounds in posttraumatic subatrophy of the eye] Verigo EN. **Vestn Oftalmol** 1986 May–Jun;102(3):33–6 (Eng. Abstr.) **(Rus)**

[Complete single–stage surgical treatment of severe eye wounds] Filippenko VI, et al. **Voen Med Zh** 1986 Apr; (4):48–50 **(Rus)**

[Reconstruction of the larynx after extensive injuries] Lapchenko SN, et al. **Voen Med Zh** 1986 Jan;(1):32–5 **(Rus)**

THERAPY

Use of sodium hyaluronate in severe penetrating ocular trauma. Stegmann R, et al. **Ann Ophthalmol** 1986 Jan; 18(1):9–13

A severe craniofacial impalement injury (Jael's syndrome). McKechnie J. **Br J Oral Maxillofac Surg** 1986 Aug; 24(4):258–64

Experience in the treatment of missile injuries of the maxillofacial region in Iraq. Al–Shawi A. **Br J Oral Maxillofac Surg** 1986 Aug;24(4):244–50

Peripheral nerve implantation into a penetrating lesion of the eye: stimulation of the damaged retina. Turner JE, et al. **Brain Res** 1986 Jun 25;376(2):246–54

Management of acute cardiac trauma. Estrera AS, et al. **Cardiol Clin** 1984 May;2(2):239–56 (80 ref.)

Penetrating injuries of the larynx. Lucente FE, et al. **Ear Nose Throat J** 1985 Sep;64(9):406–15

Emergency department management of puncture wounds and needlestick exposure. Edlich RF, et al. **Emerg Med Clin North Am** 1986 Aug;4(3):581–93

Non–surgical management of penetrating corneal injuries. Rao GN, et al. **Indian J Ophthalmol** 1984 Sep–Oct; 32(5):307–9

Management of lacerated injuries of the eye and its adnexa. Roy IS, et al. **Indian J Ophthalmol** 1984 Sep–Oct; 32(5):293–4

Penetrating injuries to the maxillofacial region. Cohen MA, et al. **J Oral Maxillofac Surg** 1986 Mar;44(3):197–202

Prospective randomized evaluation of antishock MAST in post–traumatic hypotension. Mattox KL, et al. **J Trauma** 1986 Sep;26(9):779–86

[Traumatic lesions of the rectum] Marti MC, et al. **Helv Chir Acta** 1985 Dec;52(5):687–91 **(Fre)**

[Liver injuries] Glinz W, et al. **Schweiz Med Wochenschr** 1986 Apr 26;116(17):555–9 (Eng. Abstr.) **(Ger)**

[Thoracoscopic ultrasonic hermetic sealing of lung wounds in traumatic pneumothorax] Kabanov AN, et al. **Grudn Khir** 1986 May–Jun;(3):46–50 (Eng. Abstr.) **(Rus)**

[CO2 lasers in the treatment of trophic ulcers and long–unhealed wounds] Koshelev VN, et al. **Khirurgiia (Mosk)** 1985 Sep;(9):76–80 (Eng. Abstr.) **(Rus)**

[Treatment of poorly–granulating wounds and trophic ulcers in children using low–frequency ultrasound and radiation from a helium–neon laser] Volkov VV, et al. **Khirurgiia (Mosk)** 1985 Jul;(7):72–6 **(Rus)**

[Crushing and avulsions of segments of the limbs in patients with polytrauma] Kaplan AV, et al. **Ortop Travmatol Protez** 1985 Jul;(7):1–4 (Eng. Abstr.) **(Rus)**

[Specialized services for patients with severe open hand injuries in rural regions] Goriachev AN, et al. **Sov Med** 1985;(11):65–9 **(Rus)**

[Evaluation of the efficacy of wound treatment by the intensity of chemiluminescence in the presence of hydrogen peroxide] Volkov VV, et al. **Vestn Khir** 1986 Mar; 136(3):80–3 (Eng. Abstr.) **(Rus)**

[New methods and means for local wound treatment] Shal'nev AN. **Voen Med Zh** 1985 Sep;(9):72–3 **(Rus)**

[Functional method of treatment of open injuries of the joints] Tkachenko SS, et al. **Voen Med Zh** 1985 Jul;(7):39–42 **(Rus)**

[Effect of methods of therapeutic physical culture on the status of hemodynamics in patients with penetrating wounds of the thoracic cavity] Epifanov VA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Sep–Oct;(5):63–4 **(Rus)**

WOUNDS, STAB

Suicide by self–inflicted stab wound of the chest. Shiono H, et al. **Am J Forensic Med Pathol** 1986 Mar;7(1):72–3

Aortocardiac fistula with aortic valve injury from penetrating trauma. Rustad DG, et al. **J Trauma** 1986 Mar;26(3):266–70

Delayed staple penetration of the heart: transthoracic migration with late tamponade. Wolfson RH, et al. **J Trauma** 1986 Mar;26(3):293–4

COMPLICATIONS

Traumatic pneumocephalus caused by stab wound to the neck. Naseem M, et al. **AJNR** 1986 Jan–Feb;7(1):174–5
Doppler echocardiographic determination of the cause of a systolic murmur following penetrating chest trauma. Miller JT, et al. **Am Heart J** 1986 May;111(5):988–90
Two-dimensional Doppler echocardiographic diagnosis of a traumatic intracardiac shunt. Goldfarb MS, et al. **Am J Cardiol** 1986 Feb 15;57(6):494–5
Use of giant steel coils in the therapeutic embolization of a superior mesenteric artery–portal vein fistula. Hennessy OF, et al. **Cardiovasc Intervent Radiol** 1986;9(1):42–5
Ruptured traumatic false aneurysm of the axillary artery—a case report. Saadia R, et al. **Isr J Med Sci** 1986 May; 22(5):410–1
Traumatic pulmonary artery aneurysm: CT evaluation. Crivello MS, et al. **J Comput Assist Tomogr** 1986 May–Jun; 10(3):503–5
Traumatic tension pneumopericardium: a case report and literature review. Robinson MD, et al. **J Emerg Med** 1985; 2(6):409–13
Pseudoaneurysms of the abdominal aorta [letter] Forster DA. **J Trauma** 1985 Nov;25(11):1115
Hypothalamic dysfunction from a stab wound. Moussalli C, et al. **Milit Med** 1986 Feb;151(2):120–2
Cervical spine osteomyelitis with delayed onset tetraparesis after penetrating wounds of the neck. A report of 2 cases. Craig JB. **S Afr Med J** 1986 Feb 1;69(3):197–9
[Traumatic aorto–right ventricular fistula. Apropos of a case] Michel PL, et al. **Arch Mal Coeur** 1986 Apr;79(4):523–6 (Eng. Abstr.) (Fre)
[Toxoplasmosis following side–arm wounds (letter)] Ferre F, et al. **Presse Med** 1986 May 17;15(20):929–30 (Fre)
[Multiple penetrating injuries of the left cardiac ventricle and lung] Ovchinnikov VA, et al. **Khirurgiia (Mosk)** 1985 Dec; (12):111–2 (Rus)
[Rare posttraumatic lesion of the heart] Golovin VN, et al. **Vestn Khir** 1985 Sep;135(9):125–7 (Rus)
[Incarceration of a traumatic diaphragmatic hernia] Grinev MV, et al. **Vestn Khir** 1985 Nov;135(11):75–7 (Rus)
[Combined injuries of the heart and large and small intestines] Shinkarevskiĭ EI, et al. **Vestn Khir** 1985 Jul;135(7):82–3 (Rus)

DIAGNOSIS

Osseous trauma of the lower extremity secondary to knife wounds. Two case reports. Ford TC, et al. **J Am Podiatr Med Assoc** 1986 Aug;76(8):462–3
The value of peritoneal lavage in the assessment of patients with stab wounds of the abdomen and lower chest. Swann IJ, et al. **J R Coll Surg Edinb** 1986 Feb;31(1):40–3
Stab wounds at the craniocervical junction. de Villiers JC, et al. **Neurosurgery** 1985 Dec;17(6):930–6
[Dural penetration in stab wounds] Jensen FU, et al. **Ugeskr Laeger** 1986 Jul 21;148(30):1904 (Eng. Abstr.) (Dan)
[Penetrating injuries of the neck] Petersen AO, et al. **Ugeskr Laeger** 1986 Jul 21;148(30):1901–3 (Eng. Abstr.) (Dan)
[Gallbladder injuries] Vasiutkov VIa, et al. **Vestn Khir** 1985 Sep;135(9):84–7 (Eng. Abstr.) (Rus)

ETIOLOGY

Accidental impalement injuries of the intraperitoneal rectum caused by the barrel of the self loading rifle. Jackson DS. **J R Army Med Corps** 1985 Oct;131(3):164–6

MORTALITY

Survival time and acting capability after fatal injury by sharp weapons. Thoresen SO, et al. **Forensic Sci Int** 1986 Jul 14;31(3):181–7

PATHOLOGY

A newly designed tensiometer. Lee AH, et al. **Am J Vet Res** 1986 Mar;47(3):683–6
A rare suicidal case of a ten–year–old child stabbing himself in the throat. Hasekura H, et al. **J Forensic Sci** 1985 Oct; 30(4):1269–71
Patterns in sharp force fatalities—a comprehensive forensic medical study. Ormstad K, et al. **J Forensic Sci** 1986 Apr; 31(2):529–42
[Medical and technical aspects of the weapon effect. I. The bow and crossbow] Missliwetz J, et al. **Beitr Gerichtl Med** 1985;43:437–44 (Eng. Abstr.) (Ger)
[Iatrogenic heart injuries in sternal punctures] Püschel K, et al. **Beitr Gerichtl Med** 1985;43:369–75 (Eng. Abstr.) (Ger)
[Capacity for activity after a stab wound to the heart] Bastuev NV, et al. **Sud Med Ekspert** 1985 Jul–Sep;28(3):51–2 (Rus)
[Wound of the inferior vena cava] Shatsillo OI. **Vestn Khir** 1986 Feb;135(2):75–6 (Rus)

RADIOGRAPHY

Traumatic thoracic aorta–innominate vein fistula: a case report. Szymanski TJ, et al. **Ann Emerg Med** 1986 Apr; 15(4):466–9
A penetrating orbitocranial stab wound. MacEwen CJ, et al. **Br J Ophthalmol** 1986 Feb;70(2):147–9
The diagnostic value of computed tomography in a selected case of penetrating thoraco–abdominal injury. Meyer E, et al. **J Trauma** 1986 Apr;26(4):393–5
The value and cost effectiveness of abdominal roentgenograms in the evaluation of stab wounds to the abdomen. Kester DE, et al. **Surg Gynecol Obstet** 1986 Apr; 162(4):337–9

SURGERY

Management of traumatic injuries to the extrahepatic biliary ducts. Feliciano DV, et al. **Am J Surg** 1985 Dec; 150(6):705–9
Combined tracheoesophageal injuries. Feliciano DV, et al. **Am J Surg** 1985 Dec;150(6):710–5
Nonresectional management of major hepatic trauma. An evolving concept. Moore FA, et al. **Am J Surg** 1985 Dec; 150(6):725–9
Intraspinal, extradural stab injury of the spine without neurological deficit. A case report. Harmit S, et al. **Int Orthop** 1985;9(4):277–8
Local wound exploration of anterior abdominal stab wounds. Markovchick VJ, et al. **J Emerg Med** 1985;2(4):287–91
Evaluation of penetrating abdominal injury [editorial] Sternback G. **J Emerg Med** 1985;2(4):307–8
Arrow injury. Singh RJ, et al. **J Indian Med Assoc** 1985 Feb;83(2):65–6
The efficacy of cefoxitin vs. clindamycin/gentamicin in surgically treated stab wounds of the bowel. Heseltine PN, et al. **J Trauma** 1986 Mar;26(3):241–5
Management of stab wounds to the abdomen. Fallon WF Jr, et al. **Milit Med** 1986 May;151(5):278–9
Acute carotid–cavernous fistula with retained knife blade after transorbital stab wound. Bullock R, et al. **Surg Neurol** 1985 Nov;24(5):555–8
[Stab wounds of the chest treated in a surgical department] Damm P, et al. **Ugeskr Laeger** 1986 Jun 2;148(23):1399–400 (Eng. Abstr.) (Dan)
[Selective laparotomy in abdominal stab wounds] Duus BR, et al. **Ugeskr Laeger** 1986 Jun 2;148(23):1401–3 (Eng. Abstr.) (Dan)
[Emergency surgical treatment of a knife stab injury of the left heart ventricle] Heitemeyer U, et al. **Chirurg** 1986 Mar; 57(3):171–3 (Ger)
[Indications for laparotomy in patients with knife stab and gunshot injuries of the abdomen] Bauer J, et al. **Unfallchirurg** 1986 May;89(5):220–2 (Eng. Abstr.) (Ger)
[Negative laparotomies in gunshot and stab injuries of the abdomen] Belgerden S, et al. **Zentralbl Chir** 1986; 111(1):25–30 (Eng. Abstr.) (Ger)
[Injury of the deep branch of the ulnar nerve] Haftek J, et al. **Neurol Neurochir Pol** 1985 Jul–Aug;19(4):323–6 (Eng. Abstr.) (Pol)
[Early correction of a traumatic defect of the interventricular septum under artificial circulation in a patient with deep suppuration of a thoracotomy wound] Bulynin VI, et al. **Grudn Khir** 1986 May–Jun;(3):91–2 (Rus)
[Surgical treatment of post–traumatic intracardiac defects] Savichevskiĭ MS, et al. **Grudn Khir** 1986 Jan–Feb;(1):8–10 (Eng. Abstr.) (Rus)
[Surgical treatment of traumatic heart defects] Podzolkov VP, et al. **Kardiologiia** 1985 Dec;25(12):65–70 (Eng. Abstr.) (Rus)
[Surgical correction of traumatic defect of interventricular septum and tricuspid valve insufficiency] Tarichko IuV, et al. **Khirurgiia (Mosk)** 1985 Jun;(6):136 (Rus)
[Combined injuries of the abdominal organs with ureteral damage] Ukhanov AP. **Urol Nefrol (Mosk)** 1986 May–Jun; (3):61–2 (Rus)

THERAPY

Percutaneous transcatheter embolization of injuries to the profunda femoris artery: a case report. Stanton PE Jr, et al. **Angiology** 1985 Sep;36(9):650–5
Penetrating cardiac wounds. West RJ, et al. **J Tenn Med Assoc** 1986 Jan;79(1):32–3
In extremis use of a Foley catheter in a cardiac stab wound. Wilson SM, et al. **J Trauma** 1986 Apr;26(4):400–2
[Carotid–cavernous sinus fistula caused by a knife stab] Knosp E, et al. **Unfallchirurg** 1986 Jan;89(1):37–41 (Eng. Abstr.) (Ger)
[Treatment of penetrating injuries of the esophagus] Aliev MA, et al. **Khirurgiia (Mosk)** 1986 May;(5):35–8 (Eng. Abstr.) (Rus)

WRESTLING see under **SPORTS**

WRIST

Biofeedback treatment of upper extremity dysfunction in Guillain–Barré syndrome. Ince LP, et al. **Arch Phys Med Rehabil** 1986 Jan;67(1):30–3
Ulnar neuropathy at the wrist: case report and review of literature. Wu JS, et al. **Arch Phys Med Rehabil** 1985 Nov; 66(11):785–8
Median nerve compression caused by a synovial cyst. Lewis RC Jr, et al. **Bull Hosp Jt Dis Orthop Inst** 1986 Spring; 46(1):68–71
Septic arthritis, a complex diagnostic puzzle. Eickhoff TC. **Hosp Pract [Off]** 1986 Aug 15;21(8):159–64, 169, 172–4
Synovial swellings over wrist in leprosy. Malaviya GN, et al. **Indian J Lepr** 1985 Apr–Jun;57(2):350–3
Eccrine syringofibroadenoma (Mascaro). Report of two cases. Mehregan AH, et al. **J Am Acad Dermatol** 1985 Sep; 13(3):433–6
Hand infection caused by Actinobacillus actinomycetemcomitans. Bromley GS, et al. **J Hand Surg [Am]** 1986 May;11(3):434–6
Multiple anomalous tendons of the fourth dorsal compartment. Cusenz BJ, et al. **J Hand Surg [Am]** 1986 Mar;11(2):263–4
A case of an intratendinous ganglion. Young SC, et al. **J Hand Surg [Am]** 1985 Sep;10(5):723–4
An unusual cause of wrist pain. Cheng JC, et al. **J Hand Surg [Br]** 1986 Jun;11(2):221–2
Aspiration of ganglia. Nield DV, et al. **J Hand Surg [Br]** 1986 Jun;11(2):264
Carpal tunnel syndrome caused by a simple ganglion. McMinn DJ. **J R Coll Surg Edinb** 1985 Oct;30(5):325–6
Kienböck's disease. Alexander AH, et al. **Orthop Clin North Am** 1986 Jul;17(3):461–72 (84 ref.)
Epithelioid hemangioendothelioma of the wrist. McKenzie ML. **Plast Reconstr Surg** 1985 Nov;76(5):781–3

ABNORMALITIES

Congenital postural deformity of the wrist. A report of two cases. Smith MG. **J Bone Joint Surg [Br]** 1986 May; 68(3):478–80
[Leri–Weill's dyschondrosteosis] Muzzo S, et al. **Rev Chil Pediatr** 1985 May–Jun;56(3):184–7 (Eng. Abstr.) (Spa)

ANATOMY & HISTOLOGY

Anatomical variations in the first extensor compartment of the wrist. A clinical and anatomical study. Jackson WT, et al. **J Bone Joint Surg [Am]** 1986 Jul;68(6):923–6
High–field MR surface–coil imaging of the hand and wrist. Part I. Normal anatomy. Weiss KL, et al. **Radiology** 1986 Jul;160(1):143–6

BLOOD SUPPLY

The carpal tunnel syndrome. The role of a persistent median artery. Luyendijk W. **Acta Neurochir (Wien)** 1986; 79(1):52–7

GROWTH & DEVELOPMENT

Skeletal maturity of the hand and wrist in Chinese school children in Harbin assessed by the TW2 method. Zhen OY, et al. **Ann Hum Biol** 1986 Mar–Apr;13(2):123–7

INNERVATION

Controversies in nerve entrapment syndromes in the forearm and wrist. Howard FM. **Orthop Clin North Am** 1986 Jul; 17(3):375–81

PATHOLOGY

The wrist: a preliminary report on high–resolution MR imaging. Koenig H, et al. **Radiology** 1986 Aug;160(2):463–7
High–field MR surface–coil imaging of the hand and wrist. Part II. Pathologic correlations and clinical relevance. Weiss KL, et al. **Radiology** 1986 Jul;160(1):147–52

PHYSIOLOGY

Activity of wrist muscles during step–tracking movements in different directions. Hoffman DS, et al. **Brain Res** 1986 Mar 5;367(1–2):287–91
Passive mechanical properties of the wrist and physiological tremor. Lakie M, et al. **J Neurol Neurosurg Psychiatry** 1986 Jun;49(6):669–76
Complex–spike activity of cerebellar Purkinje cells related to wrist tracking movement in monkey. Mano N, et al. **J Neurophysiol** 1986 Jul;56(1):137–58

PHYSIOPATHOLOGY

Muscle tone: objective evaluation of the static component at the wrist. McPherson JJ, et al. **Arch Phys Med Rehabil** 1985 Oct;66(10):670–4
Physical signs in the hand and wrist seen in the overuse injury syndrome of the upper limb. Fry HJ. **Aust NZ J Surg** 1986 Jan;56(1):47–9

RADIOGRAPHY

Soft–tissue changes accompanying recent scaphoid injuries. Carver RA, et al. **Clin Radiol** 1985 Jul;36(4):423–5
Dynamic imaging of the wrist. Finke M. **Radiol Technol** 1986 Jan–Feb;57(3):225–30
Case report 345. Schwannoma of wrist. Owen RS, et al. **Skeletal Radiol** 1986;15(1):69–71
[Peritendinitis with calcification in the region of the wrist] Illum F, et al. **Ugeskr Laeger** 1985 Jun 24;147(26):2086–9 (Eng. Abstr.) (Dan)

SURGERY

Synovectomy of the hand and wrist. Ferlic DC, et al. **Ann Chir Gynaecol [Suppl]** 1985;198:26–30
Role of escharotomy and fasciotomy as a first aid measure in the early treatment of an electrically burned arm and

wrist. Wang XW, et al. **Burns Incl Therm Inj** 1985 Aug; 11(6):419–22
Dorsal wrist pain and the occult scapholunate ganglion. Gunther SF. **J Hand Surg [Am]** 1985 Sep;10(5):697–703
[Follow-up of 425 operated ganglion patients] Flügel M, et al. **Handchir Mikrochir Plast Chir** 1986 Jan;18(1):47–52 (Eng. Abstr.) (Ger)

ULTRASTRUCTURE

[Ganglia: their ultrastructure and origin] Gaździk T. **Pol Tyg Lek** 1985 Sep 2;40(35):985–6 (Eng. Abstr.) (Pol)

WRIST INJURIES

[Volar luxation of the lunate] Houge G. **Tidsskr Nor Laegeforen** 1986 Feb 20;106(5):397–9 (Eng. Abstr.) (Nor)

COMPLICATIONS

On resection of the proximal carpal row. Nevinser RJ. **Clin Orthop** 1986 Jan;(202):12–5
Delayed rupture of a flexor tendon secondary to fracture of the lunate. Minami A, et al. **Ital J Orthop Traumatol** 1985 Jun;11(2):233–6
[Trans-scapho-perilunar dislocations with internal instability of the carpal bones] Labbé JL, et al. **Rev Chir Orthop** 1986; 72(1):53–62 (Eng. Abstr.) (Fre)

DIAGNOSIS

Physical signs in the hand and wrist seen in the overuse injury syndrome of the upper limb. Fry HJ. **Aust NZ J Surg** 1986 Jan;56(1):47–9
Overview for athletic upper extremity injuries. Burton RI. **Instr Course Lect** 1985;34:297–9
The sore wrist without a fracture. Green DP. **Instr Course Lect** 1985;34:300–13
Scaphoid orientation and location from computed, three-dimensional carpal models. Belsole RJ, et al. **Orthop Clin North Am** 1986 Jul;17(3):505–10
Injuries to the distal radioulnar joint. Drewniany JJ, et al. **Orthop Clin North Am** 1986 Jul;17(3):451–9
[Instabilities of the wrist joint] Beck-Gramcko D. **Orthopade** 1986 Apr;15(2):88–94 (Eng. Abstr.) (Ger)
[Fractures and dislocation fractures of the wrist joint] Kuderna H. **Orthopade** 1986 Apr;15(2):95–108 (Eng. Abstr.) (Ger)
[Post-traumatic wrist joint complaints and functional disorders] Siggelkow G. **Z Arztl Fortbild (Jena)** 1986; 80(1):13–5 (Ger)

ETIOLOGY

Break dancer's wrist. Gerber SD, et al. **J Pediatr Orthop** 1986 Jan–Feb;6(1):98–9
[Dislocation of the distal radio-ulnar joint. Case report] Szántó E, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1986; 29(1):59–62 (Eng. Abstr.) (Hun)

HISTORY

Abraham Colles: fracture of the carpal extremity of the radius. Sternbach G. **J Emerg Med** 1985;2(6):447–50

PATHOLOGY

Translunate, perilunate fracture-dislocation of the wrist. A case report. Mason GC, et al. **Orthopedics** 1986 Jul; 9(7):1001–4
[Experimental injuries of the wrist. Bone, ligament and vascular lesions] Kuhlmann JN, et al. **Acta Orthop Belg** 1986 Jan–Feb;52(1):54–71 (Eng. Abstr.) (Fre)

RADIOGRAPHY

The classic. Injuries of the wrist. A radiological study. By Etienne Destot (1864–1918). **Clin Orthop** 1986 Jan; (202):3–11
Complementary role of wrist arthrography in non-union of scaphoid fractures. Roy C, et al. **J Can Assoc Radiol** 1985 Sep;36(3):194–6
CT findings in distal radioulnar dislocation. Space TC, et al. **J Comput Assist Tomogr** 1986 Jul–Aug;10(4):689–90
Wrist injuries and instability. Griffiths H, et al. **Orthopedics** 1986 Jan;9(1):94, 96–8
Traumatic volar dislocation of the distal radioulnar joint. Rainey RK, et al. **Orthopedics** 1985 Jul;8(7):896–900
Dynamic imaging of the wrist. Finke M. **Radiol Technol** 1986 Jan–Feb;57(3):225–30
[Carpo–metacarpal dislocation of the 5th digit with fracture of the hamate bone. Apropos of a recent case] Arama T, et al. **Rev Chir Orthop** 1985;71(5):339–42 (Eng. Abstr.) (Fre)
[Expanded diagnosis of fractures of the wrist joint] Wilhelm K, et al. **Handchir Mikrochir Plast Chir** 1986 Jul; 18(4):218–21 (Eng. Abstr.) (Ger)

REHABILITATION

A gauntlet work splint. Bielawski T, et al. **Am J Occup Ther** 1986 Mar;40(3):199–201

SURGERY

A case of scapho-capitate fracture. Ipsen T, et al. **Acta Orthop Scand** 1985 Dec;56(6):509–10
Surgical treatment for nonunion of the carpal scaphoid. Jaroma H, et al. **Ann Chir Gynaecol** 1985;74(5):239–43
Transplantation of anastomosed vascular aliomentum and split thickness autogenous skin grafting for repair of deep electrical burns of the wrist. Wang XW, et al. **Burns Incl Therm Inj** 1986 Apr;12(4):283–7
Silicone rubber replacement of the severely fractured radial head. Carn RM, et al. **Clin Orthop** 1986 Aug;(209):259–69
Update on external fixators in the treatment of wrist fractures. Foster DE, et al. **Clin Orthop** 1986 Mar;(204):177–83
A case report of isolated traumatic tear of the triangular fibro-cartilage. Mizuseki T, et al. **Hiroshima J Med Sci** 1986 Mar;35(1):63–6
Dysfunction of the pisotriquetral joint: treatment by excision of the piniform. Carroll RE, et al. **J Hand Surg [Am]** 1985 Sep;10(5):703–7
Hand amputations proximal but close to the wrist joint: prime candidates for reattachment (long-term functional results). Meyer VE. **J Hand Surg [Am]** 1985 Nov;10(6 Pt 2):989–91
Painful subluxation of the carpometacarpal joint of the thumb in Ehlers–Danlos syndrome. Moore JR, et al. **J Hand Surg [Am]** 1985 Sep;10(5):661–3
External fixators for wrist fractures: a biomechanical and clinical study. Nakata RY, et al. **J Hand Surg [Am]** 1985 Nov;10(6 Pt 1):845–51
Disk lesion of the wrist joint. van der Linden AJ. **J Hand Surg [Am]** 1986 Jul;11(4):490–7
Isolated dorsal radiocarpal dislocation: case report and literature review. Varodompun N, et al. **J Hand Surg [Am]** 1985 Sep;10(5):708–10
[Isolated traumatic dislocation of the extensor carpi ulnaris tendon] Loty B, et al. **Rev Chir Orthop** 1986;72(3):219–22 (Eng. Abstr.) (Fre)
[Reconstruction or arthrodesis following injuries of the wrist joint] Towfigh H. **Handchir Mikrochir Plast Chir** 1986 Mar; 18(2):61–6 (Eng. Abstr.) (Ger)
[Errors and risks in the detection and treatment of dislocations in the area of the wrist] Ladetzki HH, et al. **Zentralbl Chir** 1986;111(11):666–73 (Ger)

THERAPY

Distal radioulnar involvement in trauma of the wrist. Péquignot JP, et al. **Ann Chir Main** 1985;4(4):273–85 (Eng, Fre)

WRIST JOINT

Realignment stabilization synovectomy in the rheumatoid wrist. A study of twenty-five cases. Alnot JY, et al. **Ann Chir Main** 1985;4(4):294–305 (Eng, Fre)
Intraarticular ganglion of the dorsal interosseous scapholunate ligament: a case for arthroscopy. Viegas SF. **Arthroscopy** 1986;2(2):93–5
Predominant wrist disease in rheumatoid arthritis associated with high concentration of IgA rheumatoid factor. Withrington RH, et al. **Br Med J [Clin Res]** 1985 Nov 16;291(6506):1388
Sports-related extraarticular wrist syndromes. Wood MB, et al. **Clin Orthop** 1986 Jan;(202):93–102
The sore wrist without a fracture. Green DP. **Instr Course Lect** 1985;34:300–13
Rupture of the extensor tendons of the fingers. Report of three unusual cases. Miki T, et al. **J Bone Joint Surg [Am]** 1986 Apr;68(4):610–4
Duplication of the extensor carpi ulnaris tendon. Barfred T, et al. **J Hand Surg [Am]** 1986 May;11(3):423–5
Clicking at the wrist due to fibroma in an anomalous lumbrical muscle: a case report and review of literature. Desai SS, et al. **J Hand Surg [Am]** 1986 Jul;11(4):512–4
Carpometacarpal dislocations: report of five cases and review of the literature. Mueller JJ. **J Hand Surg [Am]** 1986 Mar; 11(2):184–8
Degenerative disorders of the wrist. Watson HK, et al. **J Hand Surg [Am]** 1985 Nov;10(6 Pt 2):1002–6
Volar intercalated segment instability as a result of spontaneous rupture of the supporting ligaments of the wrist due to longterm systemic steroid medication. Bell MJ, et al. **J Hand Surg [Br]** 1985 Oct;10(3):395–8
A comparison of conservative treatment and silicone replacement arthroplasty in Kienböck's disease. Evans G, et al. **J Hand Surg [Br]** 1986 Feb;11(1):98–102
[Total radiocarpal prosthesis. Preliminary study] Gagey O, et al. **Rev Chir Orthop** 1986;72(3):165–71 (Eng. Abstr.) (Fre)
[Late reactions of the elbow and wrist joint following resection of the radius head] Siegling CW, et al. **Beitr Orthop Traumatol** 1986 Apr;33(4):202–7 (Eng. Abstr.) (Ger)

ANATOMY & HISTOLOGY

Derived morphology of the wrist articulations and theories of hominoid evolution. Part I. The lorisine joints. Lewis OJ. **J Anat** 1985 May;140 (Pt 3):447–60
Arterial anatomy of the triangular fibrocartilage of the wrist and its surgical significance. Thiru RG, et al. **J Hand Surg [Am]** 1986 Mar;11(2):258–63

BLOOD SUPPLY

Blood flow changes at the wrist in manual workers after preventive interventions. Hansford T, et al. **J Hand Surg [Am]** 1986 Jul;11(4):503–8

INNERVATION

Distal posterior interosseous nerve syndrome. Carr D, et al. **J Hand Surg [Am]** 1985 Nov;10(6 Pt 1):873–8
[Multiple tunnel syndrome of the wrist joint] Delius M, et al. **Nervenarzt** 1986 May;57(5):306–8 (Ger)

PHYSIOLOGY

A mechanical and electromyographical analysis of the effects of various joint counterforce braces on the tennis player. Groppel JL, et al. **Am J Sports Med** 1986 May–Jun; 14(3):195–200
Biomechanical behavior of the scapholunate ligament. Logan SE, et al. **Biomed Sci Instrum** 1986;22:81–5
The mechanism of the carpal joint. Kauer JM. **Clin Orthop** 1986 Jan;(202):16–26
Kinematic considerations of the wrist. Linscheid RL. **Clin Orthop** 1986 Jan;(202):27–39
The kinetics of normal and prosthetic wrists. Tolbert JR, et al. **J Biomech** 1985;18(12):887–97
The excursions of the long extensor tendons of the hand. Elliot D, et al. **J Hand Surg [Br]** 1986 Feb;11(1):77–80
Reproducibility of goniometry of the wrist. Solgaard S, et al. **Scand J Rehabil Med** 1986;18(1):5–7

PHYSIOPATHOLOGY

Correlation between clinical results and carpal instabilities in patients after reduction of lunate and perilunar dislocations. Minami A, et al. **J Hand Surg [Br]** 1986 Jun; 11(2):213–20
The in vivo kinematics of the rheumatoid wrist. Evans JS, et al. **J Orthop Res** 1986;4(2):142–51
[Biomechanics of the carpus and wrist joint] Kapandji A. **Orthopade** 1986 Apr;15(2):60–73 (Eng. Abstr.) (Ger)

RADIOGRAPHY

Midcarpal wrist arthrography. Gilula LA, et al. **AJR** 1986 Mar;146(3):645–7
Digital wrist arthrography: precision in determining the site of radiocarpal–midcarpal communication. Manaster BJ. **AJR** 1986 Sep;147(3):563–6
Quantitative microfocal radiography accurately detects joint changes in rheumatoid arthritis. Buckland-Wright JC, et al. **Ann Rheum Dis** 1986 May;45(5):379–83
How many joints in the hands and wrists should be included in a score of radiologic abnormalities used to assess rheumatoid arthritis? Sharp JT, et al. **Arthritis Rheum** 1985 Dec;28(12):1326–35
Radiography of the wrist. Belsole RJ. **Clin Orthop** 1986 Jan; (202):50–6
Volar intercalated segment instability secondary to medial carpal ligamental laxity. Garth WP Jr, et al. **Clin Orthop** 1985 Dec;(201):94–105
Three-dimensional wrist imaging: evaluation of functional and pathologic anatomy by computer. Bresina SJ, et al. **Clin Plast Surg** 1986 Jul;13(3):389–405
Complementary role of wrist arthrography in non-union of scaphoid fractures. Roy C, et al. **J Can Assoc Radiol** 1985 Sep;36(3):194–6
The rheumatoid wrist after resection of the distal ulna. Gainor BJ, et al. **J Hand Surg [Am]** 1985 Nov;10(6 Pt 1):837–44
[Radiologic evaluation of the effect of treatment on joint changes in progressive polyarthritis] Stěda A, et al. **Cesk Radiol** 1985 Dec;39(6):378–85 (Eng. Abstr.) (Cze)
[Bilateral carpitis in palmo-plantar pustulosis (letter)] Ziza JM, et al. **Rev Rhum Mal Osteoartic** 1986 Apr;53(4):289–90 (Fre)
[Radiology of the carpus] Garcia J, et al. **Orthopade** 1986 Apr;15(2):74–87 (Eng. Abstr.) (Ger)
[Rheumatic lesions of the carpus] Tubiana R. **Orthopade** 1986 Apr;15(2):135–49 (Eng. Abstr.) (Ger)
[Soft tissue changes in the wrist in chronic polyarthritis. Results of weak-radiation exposures in 3 planes] Fischer E. **Radiologe** 1985 Dec;25(12):562–72 (Eng. Abstr.) (Ger)
[Reactions of the overlapping volo-ulnar margin of the ulnar head in chronic polyarthritis—a hitherto disregarded sign] Fischer E. **Z Rheumatol** 1985 Jul–Aug;44(4):161–6 (Eng. Abstr.) (Ger)

SURGERY

Flexible implant arthroplasty of the radiocarpal joint. Surgical technique and long-term study. Swanson AB, et al. **Acta Orthop Belg** 1985 Jul–Aug;51(4):650–65
Flexible implant resection arthroplasty for the rheumatoid hand and wrist. Swanson AB, et al. **Ann Chir Gynaecol [Suppl]** 1985;198:54–69
Principles and experimentation of wrist prostheses of the universal joint type. Kapandji IA. **Ann Chir Main** 1982; 1(2):155–67 (Eng, Fre)
Glutaraldehyde treated bovine fibrocartilage arthroplasty for the scaphoid: a case history and discussion. Heatley FW, et al. **Biomaterials** 1986 Jul;7(4):305–7
Evolution of arthritis of the wrist. Watson HK, et al. **Clin Orthop** 1986 Jan;(202):57–67

Silicone implants. Kleinert JM, et al. **Hand Clin** 1986 May; 2(2):271–90 (71 ref.)
The extensor sling procedure for an unstable carpometacarpal joint. Biddulph SL. **J Hand Surg [Am]** 1985 Sep;10(5):641–5
Failure of silicone rubber wrist arthroplasty in rheumatoid arthritis. Brase DW, et al. **J Hand Surg [Am]** 1986 Mar; 11(2):175–83
Dysfunction of the pisotriquetral joint: treatment by excision of the pisiform. Carroll RE, et al. **J Hand Surg [Am]** 1985 Sep;10(5):703–7
Trapezium implant arthroplasty [letter] Clark GL. **J Hand Surg [Am]** 1986 Jul;11(4):613
Volz total wrist arthroplasty in rheumatoid arthritis: a long-term review. Dennis DA, et al. **J Hand Surg [Am]** 1986 Jul;11(4):483–90
Tendon interposition arthroplasty for degenerative arthritis of the trapeziometacarpal joint of the thumb. Eaton RG, et al. **J Hand Surg [Am]** 1985 Sep;10(5):645–54
Scaphoid–trapezium–trapezoid fusion in the treatment of chronic scapholunate instability. Eckenrode JF, et al. **J Hand Surg [Am]** 1986 Jul;11(4):497–502
The long-term results of Swanson silicone rubber interpositional wrist arthroplasty. Fatti JF, et al. **J Hand Surg [Am]** 1986 Mar;11(2):166–75
Stenosing tenosynovitis of the extensor carpi ulnaris. Hajj AA, et al. **J Hand Surg [Am]** 1986 Jul;11(4):519–20
Trapezium implant arthroplasty: evaluation of a semiconstrained implant. Ho PK, et al. **J Hand Surg [Am]** 1985 Sep;10(5):654–60
Radiolunate arthrodesis. Linscheid RL, et al. **J Hand Surg [Am]** 1985 Nov;10(6 Pt 1):821–9
Wrist arthrodesis. Rayan GM. **J Hand Surg [Am]** 1986 May; 11(3):356–64
Rheumatoid wrist reconstruction utilizing a fibrous nonunion and radiocarpal arthrodesis. Ryu J, et al. **J Hand Surg [Am]** 1985 Nov;10(6 Pt 1):830–6
Lunate implant resection arthroplasty: long-term results. Swanson AB, et al. **J Hand Surg [Am]** 1985 Nov;10(6 Pt 2):1013–24
Surgical approach to the ulnar wrist. Wehbé MA. **J Hand Surg [Am]** 1986 Jul;11(4):509–12
Resection of the distal ulna with and without implant arthroplasty in rheumatoid arthritis. White RE Jr. **J Hand Surg [Am]** 1986 Jul;11(4):514–8
Wrist arthrodesis as part of composite surgery of the hand. Stanley JK, et al. **J Hand Surg [Br]** 1986 Jun;11(2):243–4
Modified instruments for wrist fusion. Stanley JK, et al. **J Hand Surg [Br]** 1986 Jun;11(2):245–9
Stable cementless wrist prosthesis (SCW prosthesis). Ueba Y, et al. **Nippon Geka Hokan** 1986 Jan 1;55(1):242–50
Silicone carpal implants: risk or benefit? Eiken O, et al. **Scand J Plast Reconstr Surg** 1985;19(3):295–304
Corrective osteotomy of malunited fractures of the distal end of the radius. Ekenstam F af, et al. **Scand J Plast Reconstr Surg** 1985;19(2):175–87
Total joint arthroplasty of hands and wrists. Beabout JW, et al. **Semin Roentgenol** 1986 Jan;21(1):84–9
[Denervation of the radiocarpal joint] Zeman M. **Sb Lek** 1985 Nov;87(11–12):344–9 (Eng. Abstr.) (Cze)
[Arthrodesis of the wrist in the era of prosthetic arthroplasty] Colinet J, et al. **Acta Orthop Belg** 1985 Jul–Aug; 51(4):709–22 (Eng. Abstr.) (Fre)
[Total trapezoid–metacarpal prosthesis after 10 years] de la Caffiniere JY, et al. **Acta Orthop Belg** 1985 Jul–Aug; 51(4):699–706 (Eng. Abstr.) (Fre)
[Personal experience with the Swanson implant in the wrist. Apropos of 60 cases] Schernberg F, et al. **Acta Orthop Belg** 1985 Jul–Aug;51(4):666–78 (Eng. Abstr.) (Fre)
[Arthroplasty of the wrist—a case of complete destruction of the wrist by arthritis urica] Kretschmer F. **Beitr Orthop Traumatol** 1985 Oct;32(10):526–9 (Eng. Abstr.) (Ger)
[Experiences with wrist endoprostheses in chronic polyarthritis] Neumann HW, et al. **Beitr Orthop Traumatol** 1986 Jun;33(6):302–8 (Eng. Abstr.) (Ger)
[Ganglion in the discus triangularis. First description] Wadstroem J, et al. **Handchir Mikrochir Plast Chir** 1986 Jan;18(1):53–4 (Eng. Abstr.) (Ger)
[Possibilities and outlook for wrist joint endoprosthesis] Anisimov VN. **Vestn Khir** 1986 Jun;136(6):115–9 (Eng. Abstr.) (Rus)

WRITING

The language of certainty: proper terminology for the ending of the radiologic report [editorial] Orrison WW, et al. **AJR** 1985 Nov;145(5):1093–5
The ALPHA interactive microcomputer system for teaching reading, writing, and communication skills to hearing-impaired children. Prinz PM, et al. **Am Ann Deaf** 1985 Nov;130(5):444–61
The 10-minute talk: organization, slides, writing, and delivery. Garson A Jr, et al. **Am Heart J** 1986 Jan; 111(1):193–203
Refereeing clinical research papers for statistical content [editorial] Ederer F. **Am J Ophthalmol** 1985 Nov 15; 100(5):735–7
Medical journal summaries. Shoch D. **Am J Ophthalmol** 1986 Aug 15;102(2):272–3
The postorthodontic treatment letter. Rouff LN. **Am J Orthod** 1986 May;89(5):425–7
Legal liabilities of long-distance intervention [letter] Goldstein RL. **Am J Psychiatry** 1986 Sep;143(9):1202–3
How to write a psychiatric report for litigation following a personal injury. Hoffman BF. **Am J Psychiatry** 1986 Feb; 143(2):164–9
Case report of psychiatric intervention by mail: a way of responding to a suicidal crisis. Jacobs D, et al. **Am J Psychiatry** 1986 Jan;143(1):92–3
Faulkner: ego functions and fantasy. Schneiderman L. **Am J Psychoanal** 1985 Fall;45(3):268–81
Reviewmanship: in need of review [letter] Kligman AM. **Arch Dermatol** 1986 Feb;122(2):131–2
Clinical surgeons who write: pride, prejudice, and responsibility. Adson MA. **Arch Surg** 1986 May; 121(5):509–14
Essay-writing phobia in undergraduates. Phillips JP. **Behav Res Ther** 1986;24(5):603–4
The personal computer as an aid to scientific writing. Meyer RJ. **Biomed Sci Instrum** 1986;22:87–91
How accurate are quotations and references in medical journals? [letter] Haworth J. **Br Med J [Clin Res]** 1985 Nov 2;291(6504):1282
Appraisal of the papers of biomedical scientists and physicians for a medical archives. Anderson PG. **Bull Med Libr Assoc** 1985 Oct;73(4):338–44
The Association of American Publishers' Electronic Manuscript Project: a status report. Mehringer A. **Bull Med Libr Assoc** 1986 Jan;74(1):27–30
How CMAJ controls the quality of its scientific articles. Bolster A, et al. **Can Med Assoc J** 1986 Feb 15;134(4):301–3
The joys of revising a manuscript [editorial] Morgan PP. **Can Med Assoc J** 1986 Jun 15;134(12):1328
Building a table: 1 [editorial] Morgan PP. **Can Med Assoc J** 1985 Oct 15;133(8):721
Searching for a scientific writing style [editorial] Morgan PP. **Can Med Assoc J** 1985 Oct 1;133(7):632–3
Building a table: 2 [editorial] Morgan PP. **Can Med Assoc J** 1985 Nov 1;133(9):839
Building a table: 3 [editorial] Morgan PP. **Can Med Assoc J** 1985 Dec 1;133(11):1104–5
Review articles: 1. looking over the field [editorial] Morgan PP. **Can Med Assoc J** 1986 Jan 1;134(1):11
Review articles: 2. The literature jungle. Morgan PP. **Can Med Assoc J** 1986 Jan 15;134(2):98–9
A conversation with Malcolm Muggeridge [interview by David Woods] Muggeridge M. **Can Med Assoc J** 1986 Aug 15;135(4):385–92
Medicine and journalism [letter] Woods D. **Can Med Assoc J** 1985 Oct 1;133(7):629
Writing epilepsy. Cirignotta F, et al. **Clin Electroencephalogr** 1986 Jan;17(1):21–3
Writing for the popular press: a professional nursing responsibility. Gillies DA, et al. **Heart Lung** 1986 Jan; 15(1):55–6
Performance of disabled persons on a chordic keyboard. Kirschenbaum A, et al. **Hum Factors** 1986 Apr;28(2):187–94
The art of being understood. Part II. Inhibitors in organizational communications: tuning out the noise. McKinney RW. **Instr Course Lect** 1983;32:5–17
New UI cure for writers' cramps. Bentley C. **Iowa Med** 1986 Apr;76(4):169–70
Confronting a traumatic event: toward an understanding of inhibition and disease. Pennebaker JW, et al. **J Abnorm Psychol** 1986 Aug;95(3):274–81
Case report: a valuable contribution to medical literature [editorial] Northup GW. **J Am Osteopath Assoc** 1986 Jul; 86(7):418
The treatment of scriptophobia by in vivo exposure and cognitive restructuring. Chhabra S, et al. **J Behav Ther Exp Psychiatry** 1985 Sep;16(3):265–9
The peer review of manuscripts—in need for improvement. Kochar MS. **J Chronic Dis** 1986;39(2):147–9
A hypergraphic syndrome of automatic writing, affective disorder, and temporal lobe epilepsy in two patients. Joseph AB. **J Clin Psychiatry** 1986 May;47(5):255–7
Grant writing and review for dental faculty. Mackenzie RS. **J Dent Educ** 1986 Mar;50(3):180–6
Journal writing: a key to promoting critical thinking in nursing students. Hahnemann BK. **J Nurs Educ** 1986 May; 25(5):213–5
Critical thinking through writing: using personification to teach pharmacodynamics. Lantz JM, et al. **J Nurs Educ** 1986 Feb;25(2):64–6
Helping students write. Rosenthal TT, et al. **J Nurs Educ** 1985 Nov;24(9):384–5
Writing research reports. Edgil A, et al. **J Obstet Gynecol Neonatal Nurs** 1985 Nov–Dec; 14(6):491–4
"Tea with Demons" [interview] Lustig HS. **J Psychosoc Nurs Ment Health Serv** 1986 Jun;24(6):31–3
The presentation and analysis of experimental data. Peck DF, et al. **J Psychosom Res** 1985;29(4):337–9
Medical student writing [editorial] Bloom V. **J R Soc Med** 1986 Jan;79(1):4
Diary writing as a means to increased self-evaluation. Neumann Jr.. **J Subst Abuse Treat** 1985;2(4):221–3
Writing a successful grant application. Niederhuber JE. **J Surg Res** 1985 Oct;39(4):277–84
Investigative grammar [editorial]. Mawyer GD. **J Urol** 1986 Mar;135(3):652
Young academic physicians and publication [letter] Lecklitner ML. **JAMA** 1986 Apr 18;255(15):2023–4
The development of logic and focus in children's writing. Young GM. **Lang Speech** 1985 Apr–Jun;28 (Pt 2):115–27
Should we delete the digraphs ("ae" and "oe") from Australian medical writing? [letter] Yeomans ND, et al. **Med J Aust** 1986 Jun 9;144(12):667–8
What constitutes a publishable report of instrument development? Norbeck JS. **Nurs Res** 1985 Nov–Dec; 34(6):380–2
Uniform requirements for manuscripts submitted to biomedical journals. **NZ Med J** 1985 Sep 25; 98(787):798–801
Journal matters. Robinson RG. **NZ Med J** 1985 Sep 25; 98(787):797–8
Relationship of left–right reversals to academic achievement. Boone HC. **Percept Mot Skills** 1986 Feb;62(1):27–33
Past and present. Linenthal AJ. **Pharos** 1986 Winter;49(1):44
Towards a great whole [editorial] Nemiah JC. **Pharos** 1986 Winter;49(1):36
Perceptual, cognitive, and motoric aspects of transcription typing. Salthouse TA. **Psychol Bull** 1986 May;99(3):303–19
Developmental dysgraphias. Temple CM. **Q J Exp Psychol [A]** 1986 Feb;38(1):77–110
Writing across the curriculum in radiography and other college allied health programs. Wesolowski WE. **Radiol Technol** 1986 Jul–Aug;57(6):534–7
Publication: numbers and quality [letter] Stetten D Jr. **Science** 1986 Apr 4;232(4746):11
Dizzy medical writing. Fred HL, et al. **South Med J** 1985 Dec;78(12):1498–501 concl
Dizzy medical writing: Part II. Fred HL, et al. **South Med J** 1984 Jun;77(6):755–6
An empirical investigation of Shneidman's formulations regarding suicide. Leenaars AA, et al. **Suicide Life Threat Behav** 1985 Fall;15(3):184–95
The evolution and vicissitudes of directional scanning. Trevor-Roper P. **Trans Ophthalmol Soc UK** 1985;104 (Pt 8):919–27
When to write. Borenstein BD. **Trans Stud Coll Physicians Phila** 1985 Sep;7(3):189–93
Can literacy instruction contribute to the training of traditional birth attendants? Ryan JW, et al. **WHO Offset Publ** 1986;(95):90–5
[How to write papers on nursing] Guao JC. **Chung Hua Hu Li Tsa Chih** 1984 Dec;19(6):372–3 (Chi)
[The use of language (letter)] van Tongeren HA. **Tijdschr Diergeneeskd** 1986 Feb 1;111(3):142–3 (Dut)
[Medical writing] Huguier M, et al. **Gastroenterol Clin Biol** 1986 Jan;10(1):29–33 (Fre)
[Patient information with standardized information texts] Redecker T, et al. **Psychother Psychosom Med Psychol** 1986 Jun;36(6):199–204 (Eng. Abstr.) (Ger)
[How can the informative effect of a manuscript be increased?] Donath J. **Z Gesamte Hyg** 1986 May; 32(5):339–41 (Eng. Abstr.) (Ger)
[Introduction to writing medical articles. 5. The title as a face of an article—choosing an orderly and attractive title] Suzuta T. **Ryumachi** 1986 Feb;26(1):60–2 (Jpn)
[A few remarks on writing technics of medical historical works] Ostrowska T. **Arch Hist Filoz Med** 1985; 48(4):539–47 (Pol)
[Preparation of tables in editing medical writing] Velásquez-Jones L. **Bol Med Hosp Infant Mex** 1986 Feb; 43(2):79–84 (Spa)
[The "Material and Methods" section in the editing of medical writings (editorial)] Velásquez-Jones L. **Bol Med Hosp Infant Mex** 1986 Jun;43(6):331–2 (Spa)
[Duplicate publication of articles in medical journals (editorial)] Velásquez-Jones L. **Bol Med Hosp Infant Mex** 1985 Dec;42(12):723–4 (Spa)
[Further information on the Vancouver style] **Med Clin (Barc)** 1986 Jan 18;86(2):59 (Spa)
[Shakespeare and medical writings (letter)] Desola Alà J. **Med Clin (Barc)** 1986 Jan 11;86(1):39–40 (Spa)
[Quality in medical writing (editorial)] Pulido M. **Med Clin (Barc)** 1985 Sep 14;85(7):276–8 (Spa)
[Initial reading-writing learning as a prognostic factor of subsequent achievement] Manterola A, et al. **Rev Chil Pediatr** 1985 Sep–Oct;56(5):334–9 (Eng. Abstr.) (Spa)
[Errors in and suggestions for "Revista Clínica Española" [letter] Báguena Candela R. **Rev Clin Esp** 1986 May; 178(9):468–9 (Spa)
[Introduction, hypothesis and discussion in theses or factual scientific articles (letter)] Valenzuela CY. **Rev Med Chil** 1985 Sep;113(9):913–5 (Spa)

WRYNECK see TORTICOLLIS

WUCHERERIA

ANATOMY & HISTOLOGY

[Morphology of adult and sub-adult Wuchereria bancrofti. Differential characteristics among the strains] Bain O, et al. **Ann Parasitol Hum Comp** 1985;60(5):613–30 (Eng. Abstr.) (Fre)

ENZYMOLOGY

Histochemical distribution of acid phosphatase and acetylcholinesterase activity in in vivo and in vitro larval stages of Wuchereria bancrofti. Kharat I, et al.

Indian J Exp Biol 1985 Feb;23(2):79–82

GROWTH & DEVELOPMENT

In vivo & in vitro development of Wuchereria bancrofti microfilariae. Kharat I, et al. **Indian J Med Res** 1985 Aug; 82:127–32

IMMUNOLOGY

Detection of circulating parasite antigen in bancroftian filariasis by counterimmunoelectrophoresis. Weil GJ, et al. **Am J Trop Med Hyg** 1986 May;35(3):565–70

Identification of circulating parasite antigen in patients with bancroftian filariasis. Paranjape RS, et al. **Clin Exp Immunol** 1986 Mar;63(3):508–16

Anti-filarial IgG antibodies in patients with bancroftian filariasis and tropical pulmonary eosinophilia. Paranjape RS, et al. **Indian J Exp Biol** 1985 Dec;23(12):676–8

Secreted and surface antigens from larval stages of Wuchereria bancrofti, the major human lymphatic filarial parasite. Maizels R, et al. **Mol Biochem Parasitol** 1986 Apr; 19(1):27–34

Molecular characterization of antigens of lymphatic filarial parasites. Selkirk ME, et al. **Parasitology** 1986;92 Suppl:S15–38 (117 ref.)

Wuchereria bancrofti in Tanzania: immune reactions to the microfilarial surface, and the effect of diethylcarbamazine upon these reactions. Simonsen PE. **Trans R Soc Trop Med Hyg** 1985;79(6):852–8

ISOLATION & PURIFICATION

[Comparative estimate of the rates of infection with sporozoites and filaria in various forms of the Anopheles gambiae complex in a village in Mali] Touré YT, et al. **Ann Ist Super Sanita** 1986;22(1):215–7 (Ita)

METABOLISM

Uptake of 14C-labelled sugars and amino acids by Wuchereria bancrofti microfilariae in vitro. Kharat I, et al. **Indian J Exp Biol** 1985 Feb;23(2):118–9

PATHOGENICITY

Vector mosquitoes of Wuchereria bancrofti at Bicol region in the Philippines. 1. Transmission capability. Suguri S, et al. **Jpn J Exp Med** 1985 Apr;55(2):61–5

PHYSIOLOGY

[Microfilarial periodicity of Wuchereria bancrofti and Brugia malayi in Sichuan] Wei YS, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1985;3(3):203–5 (Eng. Abstr.) (Chi)

WUCHERERIA BANCROFTI see under **WUCHERERIA**

X 537A see **LASALOCID**

X CHROMOSOME

Carrier identification in steroid sulphatase deficiency and recessive X-linked ichthyosis. Lykkesfeldt G, et al. **Acta Derm Venereol (Stockh)** 1986;66(2):134–8

Plasma prolactin in girls with X chromosome abnormalities. Kadrnka-Lovrenčić M, et al. **Acta Med Iugosl** 1985; 39(5):357–64

Neuropathologic study in the heterozygotes of X-linked brindled mutant mouse. Matsushima H, et al. **Acta Neuropathol (Berl)** 1985;67(3–4):300–8

Skeletal muscle pathology in X chromosome–linked muscular dystrophy (mdx) mouse. Tanabe Y, et al. **Acta Neuropathol (Berl)** 1986;69(1–2):91–5

Erythrocyte enzyme allotypes in the X-linked recessive disorders, Duchenne muscular dystrophy and haemophilia–A hemizygotes and heterozygotes. László A, et al. **Acta Paediatr Hung** 1985;26(2):87–96

X-linked recessive hypohidrotic ectodermal dysplasia. Manifestations and management. Wright JT, et al. **Ala J Med Sci** 1986 Jan;23(1):84–7

The muscular dystrophies. Seiler J, et al. **Am Fam Physician** 1986 Jul;34(1):123–8

The origin of 45,X males. de la Chapelle A, et al. **Am J Hum Genet** 1986 Mar;38(3):330–40

Quantitative analysis of sex-chromosome mosaicism with X-Y DNA probes. Disteche CM, et al. **Am J Hum Genet** 1986 May;38(5):751–8

Differences in the error mechanisms affecting sex and autosomal chromosomes in women of different ages within the reproductive age group. Ford JH, et al. **Am J Hum Genet** 1985 Sep;37(5):973–83

Identification and application of additional restriction fragment length polymorphisms at the human ornithine transcarbamylase locus. Fox JE, et al. **Am J Hum Genet** 1986 Jun;38(6):841–7

Fine mapping of the distal short arm of the human X chromosome using X/Y translocations. Geller RL, et al. **Am J Hum Genet** 1986 Jun;38(6):884–90

DNA demethylation induced by 5-azacytidine does not affect fragile X expression. Glover TW, et al. **Am J Hum Genet** 1986 Mar;38(3):309–18

Determination of the parental origin of sex-chromosome monosomy using restriction fragment length polymorphisms. Hassold T, et al. **Am J Hum Genet** 1985 Sep;37(5):965–72

Localization of the gene encoding human erythroid-potentiating activity to chromosome region Xp11.1——Xp11.4. Huebner K, et al. **Am J Hum Genet** 1986 Jun;38(6):819–26

On the power to detect differences between male and female mutation rates for Duchenne muscular dystrophy, using classical segregation analysis and restriction fragment length polymorphisms. Karel ER, et al. **Am J Hum Genet** 1986 Jun;38(6):827–40

Inherited X-chromosome inverted tandem duplication in a male traced to a grandparental mitotic error. Schwartz S, et al. **Am J Hum Genet** 1986 May;38(5):741–50

Translocation of the nucleolus organizer region to the human X chromosome. Stetten G, et al. **Am J Hum Genet** 1986 Aug;39(2):245–52

A practical metaphase marker of the inactive X chromosome. Van Dyke DL, et al. **Am J Hum Genet** 1986 Jul;39(1):88–95

X-linked mental retardation 2. **Am J Med Genet** 1986 Jan–Feb;23(1–2):1–737

The genetics of Rett syndrome: the consequences of a disorder where every case is a new mutation. Comings DE. **Am J Med Genet** 1986;24 Suppl 1:383–8

X-linked intellectual handicap and precocious puberty with obesity in carrier females. Hockey A. **Am J Med Genet** 1986 Jan–Feb;23(1–2):127–37

A balanced de novo X/autosome translocation in a girl with manifestations of Lowe syndrome. Hodgson SV, et al. **Am J Med Genet** 1986 Mar;23(3):837–47

Frequency of tri- or multiradial configurations in fragile X identification. Jenkins EC, et al. **Am J Med Genet** 1986 Jan–Feb;23(1–2):531–5

Sex chromosome aneuploidy in fragile X carriers. Nielsen KB. **Am J Med Genet** 1986 Jan–Feb;23(1–2):537–44

Recombination and amplification of pyrimidine-rich sequences may be responsible for initiation and progression of the Xq27 fragile site: an hypothesis. Nussbaum RL, et al. **Am J Med Genet** 1986 Jan–Feb;23(1–2):715–21

A rodent–human hybrid containing Xq24–qter translocated to a hamster chromosome expresses the Xq27 folate-sensitive fragile site. Nussbaum RL, et al. **Am J Med Genet** 1986 Jan–Feb;23(1–2):457–66

Bibliography of X-linked mental retardation and related subjects. III. (1986). Opitz JM, et al. **Am J Med Genet** 1986 Jan–Feb;23(1–2):69–99

X-linked mental retardation: caveats in genetic counselling. Partington MW. **Am J Med Genet** 1986 Jan–Feb; 23(1–2):101–9

The Rett syndrome: genetics and the future. Riccardi VM. **Am J Med Genet** 1986;24 Suppl 1:389–402

Rett syndrome: lack of association with fragile site Xp22 and strategy for genetic mapping of X-linked new mutations. Romeo G, et al. **Am J Med Genet** 1986;24 Suppl 1:355–9

Chromosome findings in the Rett syndrome and a test of a two-step mutation theory. Wahlström J, et al. **Am J Med Genet** 1986;24 Suppl 1:361–8

Translocation (X;13)(p11.21;q12.3) in a girl with incontinentia pigmenti and bilateral retinoblastoma. Kajii T, et al. **Ann Genet (Paris)** 1985;28(4):219–23

Differences in methylation on the active and inactive human X chromosomes. Lindsay S, et al. **Ann Hum Genet** 1985 May;49 (Pt 2):115–27

Familial X-linked ichthyosis, steroid sulfatase deficiency, mental retardation, and nullisomy for Xp223–pter. Ross JB, et al. **Arch Dermatol** 1985 Dec;121(12):1524–8

Dictyate oocytes of a kangaroo (Macropus robustus) show paternal inactivation at the X-linked Gpd locus. Johnston PG, et al. **Aust J Biol Sci** 1985;38(1):79–84

Identification of sex in mammalian embryos. Anderson GB. **Basic Life Sci** 1986;37:243–50

X-linked mutations that give rise to overproduction of glucose-6-phosphate dehydrogenase in Drosophila melanogaster. Iwabuchi M, et al. **Biochem Genet** 1986 Apr; 24(3–4):319–27

Holozygosity for sex-linked genes in males of the termite Incisitermes schwarzi. Santos O, et al. **Biochem Genet** 1985 Oct;23(9–10):729–40

Primary vitreoretinal dysplasia resembling Norrie's disease in a female: association with X autosome chromosomal translocation. Ohba N, et al. **Br J Ophthalmol** 1986 Jan; 70(1):64–71

Genetic implications of Rett syndrome. Wahlström J. **Brain Dev** 1985;7(6):573–4

X-linked juvenile retinoschisis. Kidd MN, et al. **Bull Soc Belge Ophtalmol** 1984;211:91–8

Risk estimation in X-linked recessive genetic diseases: theory and practice. Percy ME, et al. **Can J Public Health** 1986 May–Jun;77 Suppl 1:174–83

Cytogenetics of a renal adenocarcinoma in a 2-year-old child. de Jong B, et al. **Cancer Genet Cytogenet** 1986 Mar 15;21(2):165–9

Alterations in the X chromosome replication pattern induced by 5-azacytidine in a human tumor line. Gregory P, et al. **Cancer Genet Cytogenet** 1986 Feb 15;20(3–4):263–7

Translocations involving the X chromosome in solid tumors: presentation of two sarcomas with t(X;18)(q13;p11). Limon J, et al. **Cancer Genet Cytogenet** 1986 Sep;23(1):87–91

Translocation X;18 in synovial sarcoma [letter] Turc-Carel C, et al. **Cancer Genet Cytogenet** 1986 Sep;23(1):93

A small region on the X chromosome of Drosophila regulates a key gene that controls sex determination and dosage compensation. Steinmann-Zwicky M, et al. **Cell** 1985 Oct; 42(3):877–87

Cytogenetic characterization of the 4BC region on the X chromosome of Drosophila melanogaster: localization of the mei-9, norpA and omb genes. Banga SS, et al. **Chromosoma** 1986;93(4):341–6

The synaptonemal complexes of Caenorhabditis elegans: the dominant him mutant mnT6 and pachytene karyotype analysis of the X–autosome translocation. Goldstein P. **Chromosoma** 1986;93(3):256–60

DNA hypomethylation causes an increase in DNase-I sensitivity and an advance in the time of replication of the entire inactive X chromosome. Jablonka E, et al. **Chromosoma** 1985;93(2):152–6

Further examination of the production-line hypothesis in mouse foetal oocytes. I. Inversion heterozygotes. Tease C, et al. **Chromosoma** 1986;93(5):447–52

Cytogenetic heterogeneity of translocations associated with Duchenne muscular dystrophy. Boyd Y, et al. **Clin Genet** 1986 Feb;29(2):108–15

An unusual case of X–15 translocation: evidence for the presence of an 'activator' region on Xpter of man. Crocker M, et al. **Clin Genet** 1985 Dec;28(6):556–60

A simple technique for recording and counting sweat pores on the dermal ridges. O'Leary E, et al. **Clin Genet** 1986 Feb;29(2):122–8

Calvarial hyperostosis: a benign X-linked recessive disorder. Pagon RA, et al. **Clin Genet** 1986 Jan;29(1):73–8

X-linked short stature with skin pigmentation: evidence for heterogeneity of the Russell-Silver syndrome. Partington MW. **Clin Genet** 1986 Feb;29(2):151–6

Whole-arm t(X;17) (Xp17q;Xq17p) and gonadal dysgenesis. A further exception to the critical region hypothesis. Rivera H, et al. **Clin Genet** 1986 May;29(5):425–8

Inherited Xp21 deletion in a boy with complex glycerol kinase deficiency syndrome [letter] Saito F, et al. **Clin Genet** 1986 Jan;29(1):92–3

Aland eye disease: no albino misrouting. van Dorp DB, et al. **Clin Genet** 1985 Dec;28(6):526–31

Effect of age and the X-linked Hyp mutation on renal adaptation to vitamin D and calcium deficiency. Tenenhouse HS. **Comp Biochem Physiol [A]** 1985; 81(2):367–71

X-linked immune deficiency (xid) of CBA/N mice. Wicker LS, et al. **Curr Top Microbiol Immunol** 1986;124:87–101

Aging and aneuploidy: evidence for the preferential involvement of the inactive X chromosome. Abruzzo MA, et al. **Cytogenet Cell Genet** 1985;39(4):275–8

Isolation and characterization of two repetitive DNA fragments located near the centromere of the mouse X chromosome. Disteche CM, et al. **Cytogenet Cell Genet** 1985;39(4):262–8

Report of the Committee on the Genetic Constitution of the X and Y Chromosomes. Goodfellow PN, et al. **Cytogenet Cell Genet** 1985;40(1–4):296–352

Preferential X-chromosome activity in human female placental tissues. Harrison KB, et al. **Cytogenet Cell Genet** 1986;41(3):163–8

XY sex-reversal syndrome in the domestic horse. Kent MG, et al. **Cytogenet Cell Genet** 1986;42(1–2):8–18

Regional localization of 18 human X-linked DNA sequences. Riddell DC, et al. **Cytogenet Cell Genet** 1986;42(3):123–8

Correlation between X-chromosome inactivation and cell differentiation in female preimplantation mouse embryos. Sugawara O, et al. **Cytogenet Cell Genet** 1985;39(3):210–9

Physical mapping of the factor VIII gene proximal to two polymorphic DNA probes in human chromosome band Xq28: implications for factor VIII gene segregation analysis. Tantravahi U, et al. **Cytogenet Cell Genet** 1986; 42(1–2):75–9

Electrophysiological similarities between two eyes with X-linked recessive retinoschisis. Tanino T, et al. **Doc Ophthalmol** 1985 Aug 30;60(2):149–61

Mapping of the mouse X chromosome using random genomic probes and an interspecific mouse cross. Amar LC, et al. **EMBO J** 1985 Dec 30;4(13B):3695–700

Molecular analysis of the ecdysterone-inducible 2B5 "early' puff in Drosophila melanogaster. Chao AT, et al. **EMBO J** 1986 Jan;5(1):143–50

Increased metabolic rate in X-linked hypophosphatemic mice. Vaughn LK, et al. **Endocrinology** 1986 Jan; 118(1):441–5

XY sex reversal in a mare. Power MM. **Equine Vet J** 1986 May;18(3):233–6

Immunoglobulin heavy chain gene rearrangements in X-linked agammaglobulinemia. Mensink EJ, et al. **Eur J Immunol** 1986 Aug;16(8):963–7

Low frequencies of apparently fragile X chromosomes in normal control cultures: a possible explanation. Jenkins EC, et al. **Exp Cell Biol** 1986;54(1):40–8

A general autosomal/X-linked model. Hasstedt SJ, et al. **Genet Epidemiol** 1984;1(1):21–36

Genetic epidemiology of Menkes disease. Horn N, et al. **Genet Epidemiol** 1986;3(4):225–30

Xce genotype has no impact on the effect of imprinting on X-chromosome expression in the mouse yolk sac endoderm. Bücher T, et al. **Genet Res** 1986 Feb;47(1):43–8

A female-specific lethal lesion in an X-linked positive regulator of the Drosophila sex determination gene, Sex-lethal. Cline TW. **Genetics** 1986 Jul;113(3):641–63

The question of the total gene number in Drosophila melanogaster. Lefevre G, et al. **Genetics** 1986 Aug; 113(4):869–95

Quantitative analysis of X chromosome effects on the activities of the glucose 6-phosphate and 6-phosphogluconate dehydrogenases of Drosophila melanogaster. Miyashita N, et al. **Genetics** 1986 Jun; 113(2):321–35

X-linked female-sterile loci in Drosophila melanogaster. Perrimon N, et al. **Genetics** 1986 Jul;113(3):695–712

X-linked chronic granulomatous disease in an adult woman. Evidence for a cell selection favoring neutrophils expressing the mutant allele. Cazzola M, et al. **Haematologica (Pavia)** 1985 Jul–Aug;70(4):291–5

The effect of caffeine on fragile X expression. Abruzzo MA, et al. **Hum Genet** 1986 May;73(1):20–2

X-linked ichthyosis, due to steroid sulphatase deficiency, associated with Kallmann syndrome (hypogonadotropic hypogonadism and anosmia): linkage relationships with Xg and cloned DNA sequences from the distal short arm of the X chromosome. Ballabio A, et al. **Hum Genet** 1986 Mar;72(3):237–40

High susceptibility for diploidy in ovulated oocytes from XO mice. Beermann F, et al. **Hum Genet** 1986 Apr;72(4):323–6

Close linkage between Norrie disease, a cloned DNA sequence from the proximal short arm, and the centromere of the X chromosome. Bleeker-Wagemakers LM, et al. **Hum Genet** 1985;71(3):211–4

Sister chromatid exchanges in human fibroblasts characterized by monosomy X [letter] Cassiman JJ, et al. **Hum Genet** 1985;71(3):274–5

A multipoint linkage analysis program for X-linked disorders, with the example of Duchenne muscular dystrophy and seven DNA probes. Clayton J. **Hum Genet** 1986 May; 73(1):68–72

Assignment of the gene for dyskeratosis congenita to Xq28. Connor JM, et al. **Hum Genet** 1986 Apr;72(4):348–51

Segregation analysis of a marker localised Xp21.2–Xp21.3 in Duchenne and Becker muscular dystrophy families. Dorkins H, et al. **Hum Genet** 1985;71(2):103–7

X-linked retinitis pigmentosa: linkage with the centromere and a cloned DNA sequence from the proximal short arm of the X chromosome. Friedrich U, et al. **Hum Genet** 1985; 71(2):93–9

Choroideremia-locus maps between DXS3 and DXS11 on Xq. Gal A, et al. **Hum Genet** 1986 Jun;73(2):123–6

A case of female hemophilia with a 46,XXr karyotype studied with X-chromosome DNA probes. Gilgenkrantz S, et al. **Hum Genet** 1986 Feb;72(2):157–9

Oncogenes and the mammalian X chromosome. Hameister H, et al. **Hum Genet** 1986 Mar;72(3):241–4

Two cases of X/autosome translocation in females with incontinentia pigmenti. Hodgson SV, et al. **Hum Genet** 1985;71(3):231–4

Analysis of spreading of inactivation in eight X autosome translocations utilizing the high resolution RBG technique. Keitges EA, et al. **Hum Genet** 1986 Mar;72(3):231–6

Linkage studies of X-linked recessive spastic paraplegia using DNA probes. Kenwrick S, et al. **Hum Genet** 1986 Jul; 73(3):264–6

X-linked dominant hypophosphatemia is closely linked to DNA markers DXS41 and DXS43 at Xp22. Mächler M, et al. **Hum Genet** 1986 Jul;73(3):271–5

The gene encoding for the major brain proteolipid (PLP) maps on the q–22 band of the human X chromosome. Mattei MG, et al. **Hum Genet** 1986 Apr;72(4):352–3

Mapping of a gene for X-linked agammaglobulinemia and evidence for genetic heterogeneity. Mensink EJ, et al. **Hum Genet** 1986 Aug;73(4):327–32

Characterization of a set of X-linked sequences and of a panel of somatic cell hybrids useful for the regional mapping of the human X chromosome. Oberlé I, et al. **Hum Genet** 1986 Jan;72(1):43–9

Further segregation analysis of the fragile X syndrome with special reference to transmitting males [letter] Pembrey ME, et al. **Hum Genet** 1985;71(2):182–3

Mapping of human X-linked hypophosphataemic rickets by multilocus linkage analysis. Read AP, et al. **Hum Genet** 1986 Jul;73(3):267–70

High-resolution banding study of an X/4 translocation in a female with Duchenne muscular dystrophy. Saito F, et al. **Hum Genet** 1985;71(4):370–1

Mental impairment in Martin–Bell syndrome is probably determined by interaction of several genes: simple explanation of phenotypic differences between unaffected and affected males with the same X chromosome. Steinbach P. **Hum Genet** 1986 Mar;72(3):248–52

Duchenne muscular dystrophy due to familial Xp21 deletion detectable by DNA analysis and flow cytometry. Wilcox DE, et al. **Hum Genet** 1986 Jun;73(2):175–80

Regional localization of the phosphoglycerate kinase gene and pseudogene on the human X chromosome and assignment of a related DNA sequence to chromosome 19. Willard HF, et al. **Hum Genet** 1985;71(2):138–43

Evidence against close linkage of the loci for fraXq of Martin–Bell syndrome and for factor IX. Zoll B, et al. **Hum Genet** 1985;71(2):122–6

Mapping H-1 with the distal break point of chromosome 7 in Cattanach's insertion. Loveland BE, et al. **Immunogenetics** 1985;22(5):503–10

Gonadal dysgenesis and somatic stigmata in patients with 45,X/46,Xr(X) ring chromosome. Portuondo JA, et al. **Int J Gynaecol Obstet** 1984 Aug;22(4):311–3

An intragenic deletion of the factor IX gene in a family with hemophilia B. Chen SH, et al. **J Clin Invest** 1985 Dec; 76(6):2161–4

Mapping of the X-linked agammaglobulinemia locus by use of restriction fragment-length polymorphism. Kwan SP, et al. **J Clin Invest** 1986 Feb;77(2):649–52

Clonal analysis of X-chromosome inactivation and the origin of the germ line in the mouse embryo. Gardner RL, et al. **J Embryol Exp Morphol** 1985 Aug;88:349–63

Absence of a sex vesicle in meiotic foetal germ cells is consistent with an XY sex chromosome constitution. Hogg H, et al. **J Embryol Exp Morphol** 1985 Aug;88:327–32

X-chromosome deletions in embryo-derived (EK) cell lines associated with lack of X-chromosome inactivation. Rastan S, et al. **J Embryol Exp Morphol** 1985 Dec;90:379–88

A computer programme to calculate risk in X linked disorders using multiple marker loci. Clayton JF. **J Med Genet** 1986 Feb;23(1):35–9

Molecular genetics of the human X chromosome. Davies KE. **J Med Genet** 1985 Aug;22(4):243–9 (94 ref.)

X linked hydrocephalus: a survey of a 20 year period in Victoria, Australia. Halliday J, et al. **J Med Genet** 1986 Feb;23(1):23–31

Duchenne muscular dystrophy in a female with a translocation involving Xp21. Nevin NC, et al. **J Med Genet** 1986 Apr;23(2):171–3

Hereditary sideroblastic anaemia and ataxia: an X linked recessive disorder. Pagon RA, et al. **J Med Genet** 1985 Aug;22(4):267–73

Prenatal diagnosis of ornithine carbamoyl transferase deficiency using a gene specific probe. Pembrey ME, et al. **J Med Genet** 1985 Dec;22(6):462–5

A computer programme for estimation of genetic risk in X linked disorders, combining pedigree and DNA probe data with other conditional information. Sarfarazi M, et al. **J Med Genet** 1986 Feb;23(1):40–5

Necropsy findings in a child with FG syndrome. Thompson EM, et al. **J Med Genet** 1986 Aug;23(4):372–3

A paracentric inversion of 7q illustrating a possible interchromosomal effect. Watt JL, et al. **J Med Genet** 1986 Aug;23(4):341–4

Characterization of regions of the Caenorhabditis elegans X chromosome containing vitellogenin genes. Heine U, et al. **J Mol Biol** 1986 Apr 5;188(3):301–12

Localization of X-linked dominant Charcot-Marie-Tooth disease (CMT 2) to Xq13. Beckett J, et al. **J Neurogenet** 1986 Jul;3(4):225–31

An hereditary sensory and autonomic neuropathy transmitted as an X-linked recessive trait. Jestico JV, et al. **J Neurol Neurosurg Psychiatry** 1985 Dec;48(12):1259–64

Duchenne muscular dystrophy, glycerol kinase deficiency, and adrenal insufficiency associated with Xp21 interstitial deletion. Bartley JA, et al. **J Pediatr** 1986 Feb; 108(2):189–92

Common X-linked disorders. Phillips JA 3d. **J Tenn Med Assoc** 1986 Jul;79(7):435–6

Molecular genetics of the X chromosome and X-linked diseases. Craig IW, et al. **Lab Invest** 1986 Mar;54(3):241–53 (145 ref.)

Rett syndrome and fragile site in Xp22 [letter] Archidiacono N, et al. **Lancet** 1985 Nov 30;2(8466):1242–3

Deletion on the X chromosome detected by direct DNA analysis in one of two unrelated boys with glycerol kinase deficiency, adrenal hypoplasia, and Duchenne muscular dystrophy. Dunger DB, et al. **Lancet** 1986 Mar 15; 1(8481):585–7

Recombination with pERT87 (DXS164) in families with X-linked muscular dystrophy [letter] Fischbeck KH, et al. **Lancet** 1986 Jul 12;2(8498):104

Prenatal diagnosis of 45, X/46, XY. Waurin JL, et al. **Md Med J** 1985 Sep;34(9):883–4

Preferential expression of the maternally inherited X-linked phosphoglycerate kinase allele in human erythrocytes. Krietsch WK, et al. **MGG** 1985;200(3):497–9

Changing patterns of femoral and skeletal mineralization during growth in juvenile X-linked hypophosphatemic mice. Kay MA, et al. **Miner Electrolyte Metab** 1985; 11(6):374–80

Human DNA polymerase alpha. Compensation for heat-labile mouse DNA polymerase alpha and its gene localization on the X chromosome. Hanaoka F, et al. **Mol Biol Med** 1984 Oct;2(5):323–35

The relationship between radiation-induced and transposon-induced genetic damage during Drosophila oogenesis. Margulies L, et al. **Mutat Res** 1986 Aug; 162(1):55–68

Expression of the gene defect in X-linked agammaglobulinemia. Conley ME, et al. **N Engl J Med** 1986 Aug 28;315(9):564–7

Differential expression of alpha-fetoprotein genes on the inactive X chromosome in extraembryonic and somatic tissues of a transgenic mouse line. Krumlauf R, et al. **Nature** 1986 Jan 16–22;319(6050):224–6

Cloning of the breakpoint of an X;21 translocation associated with Duchenne muscular dystrophy. Ray PN, et al. **Nature** 1985 Dec 19–1986 Jan 1;318(6047):672–5

Variable transfer of Y-specific sequences in XX males. Affara NA, et al. **Nucleic Acids Res** 1986 Jul 11;14(13):5375–87

Regional assignment of Y-linked DNA probes by deletion mapping and their homology with X-chromosome and autosomal sequences. Affara NA, et al. **Nucleic Acids Res** 1986 Jul 11;14(13):5353–73

An anonymous single copy X-chromosome clone DXS91, from Xq11-q13, identifies a moderately frequent RFLP. Davatelis G, et al. **Nucleic Acids Res** 1985 Oct 25; 13(20):7539

An anonymous single copy X-chromosome clone DXS92, from Xq26–27, identifies two frequent RFLPs. Davatelis G, et al. **Nucleic Acids Res** 1985 Oct 25;13(20):7540

An anonymous single copy X-chromosome clone, pTAK8, identifies a frequent RFLP at Xp11-q12(HGM8 no. DXS146). Kruse TA, et al. **Nucleic Acids Res** 1986 Feb 25;14(4):1921

Moderately repeated DNA sequences specific for the short arm of the human Y chromosome are present in XX males and reduced in copy number in an XY female. Müller U, et al. **Nucleic Acids Res** 1986 Feb 11;14(3):1325–40

An XmnI RFLP at the pseudoautosomeric Xp locus DXS31 [HGM7, LA, 1985] Wrogemann K, et al. **Nucleic Acids Res** 1986 May 27;14(10):4377

A TaqI RFLP in Xq26–Xqter detected by pX45h [HGM8 no. DXS100h]. Wrogemann K, et al. **Nucleic Acids Res** 1986 Jul 11;14(13):5572

Sex-linked pigmentary retinopathy (P.R.). Neetens A, et al. **Ophthalmic Paediatr Genet** 1984 Dec;4(3):183–5

Familial congenital cataract, non-progressive neurological disorders and mental deficiency: a new X-linked syndrome? Pfeiffer RA, et al. **Ophthalmic Paediatr Genet** 1985 Apr; 5(3):201–3

A carrier state of X-linked juvenile retinoschisis. Wu G, et al. **Ophthalmic Paediatr Genet** 1985 Feb;5(1–2):13–7

Early diagnosis of recessive X-linked ichthyosis: elevation of cholesterol sulfate levels in placental sulfatase deficiency before the onset of skin symptoms. Marinkovic-Ilsen A, et al. **Pediatr Dermatol** 1985 Nov;3(1):59–64

DNA linkage analysis of X chromosome-linked chronic granulomatous disease. Baehner RL, et al. **Proc Natl Acad Sci USA** 1986 May;83(10):3398–401

Evidence for an X-linked modifier gene affecting the expression of Tourette syndrome and its relevance to the increased frequency of speech, cognitive, and behavioral disorders in males. Comings DE, et al. **Proc Natl Acad Sci USA** 1986 Apr;83(8):2551–5

Cloning an expressed gene shared by the human sex chromosomes. Darling SM, et al. **Proc Natl Acad Sci USA** 1986 Jan;83(1):135–9

Molecular cloning, germ-line transformation, and transcriptional analysis of the zeste locus of Drosophila melanogaster. Gunaratne PH, et al. **Proc Natl Acad Sci USA** 1986 Feb;83(3):701–5

Actively transcribed genes in the raf oncogene group, located on the X chromosome in mouse and human. Huebner K, et al. **Proc Natl Acad Sci USA** 1986 Jun;83(11):3934–8

The Gy mutation: another cause of X-linked hypophosphatemia in mouse. Lyon MF, et al. **Proc Natl Acad Sci USA** 1986 Jul;83(13):4899–903

Detection of restriction fragment length polymorphisms at the centromeres of human chromosomes by using chromosome-specific alpha satellite DNA probes: implications for development of centromere-based genetic linkage maps. Willard HF, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(15):5611–5

Participation of the murine X and Y chromosomes in genetically determined chemosensory identity. Yamazaki K, et al. **Proc Natl Acad Sci USA** 1986 Jun;83(12):4438–40

A two step model for mammalian X-chromosome inactivation. Gartler SM, et al. **Prog Clin Biol Res** 1985; 198:223–35

Methylation of the PGK promoter region and an enhancer way-station model for X-chromosome inactivation. Riggs AD, et al. **Prog Clin Biol Res** 1985;198:211–22

Familial correlations and X-linked genes: a comment. Loehlin JC. **Psychol Bull** 1984 Mar;95(2):323–3

Chromosome Y-specific DNA is transferred to the short arm of X chromosome in human XX males. Andersson M, et al. **Science** 1986 Aug 15;233(4765):786–8

Closing in on the muscular dystrophy gene. Kolata G. **Science** 1985 Oct 18;230(4723):307–8

Assignment of the gene for myelin proteolipid protein to the X chromosome: implications for X-linked myelin disorders. Willard HF, et al. **Science** 1985 Nov 22; 230(4728):940–2

X-linked retinal disorders and the Lyon hypothesis. Jay B. **Trans Ophthalmol Soc UK** 1985;104 (Pt 8):836–44

Norrie's disease: delineation of carriers among daughters of obligate carriers by linkage analysis. Warburg M, et al. **Trans Ophthalmol Soc UK** 1986;105 (Pt 1):88–93

[Chromosome studies in gynecology] Retief AE. **S Afr Med J** 1985 Oct 26;68(9):648–51 (Eng. Abstr.) (Afr)

[A cytogenetic study of secondary amenorrhea] Gu SY. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Jan;21(1):19–21, 60 (Eng. Abstr.) (Chi)

[X–Y translocation in a mother and daughter] Liao SX. **Chung Hua Fu Chan Ko Tsa Chih** 1985 Sep;20(5):298–300, 319 (Eng. Abstr.) (Chi)

[A case of an XX man with presence of H-Y antigen in his mother] Caporal R, et al. **Ann Med Interne (Paris)** 1985; 136(8):646–9 (Eng. Abstr.) (Fre)

[Presence of a fragile Xq in a manic patient: location of the manic-depressive gene on the long arm of the X chromosome] Pascalis G, et al. **Ann Med Psychol (Paris)** 1985 Jun;143(6):594–6 (Fre)

[Normal male phenotype or hypospadias and female karyotype. XX male syndrome in children and adolescents] Naud C, et al. **Arch Fr Pediatr** 1985 Dec;42(10):835–8 (Eng.

Abstr.) (Fre)
[Sex-linked inheritance in fronto-metaphyseal dysplasia] Balestrazzi P. **J Genet Hum** 1985 Dec;33(5):419-25 (Eng. Abstr.) (Fre)
[A case of 49 XXXXY gonadosomatic dysgenesis: clinical elements and biological consequences of polysomy X] Colmant A, et al. **Pediatrie** 1985 Oct-Nov;40(7):565-71 (Eng. Abstr.) (Fre)
[Biochemical diagnosis of X chromosomal ichthyosis] Meyer JC, et al. **Hautarzt** 1986 Apr;37(4):205-9 (Eng. Abstr.) (Ger)
[The Lyon effect of the lens: findings in the carriers of X chromosome-linked cataract and in Lowe syndrome] Koniszewski G, et al. **Klin Monatsbl Augenheilkd** 1985 Dec; 187(6):525-8 (Eng. Abstr.) (Ger)
[Pattern ERG in X-chromosome juvenile retinoschisis] Papst N, et al. **Klin Monatsbl Augenheilkd** 1986 Feb;188(2):150-2 (Eng. Abstr.) (Ger)
[The hypothesis of X-linkage in the inheritance of manic depressive illness] Stein D, et al. **Harefuah** 1985 Jul; 109(1-2):25-30 (Heb)
[Prader-Labhart-Willi syndrome with 47,XXX karyotype. Etio-pathogenetic considerations] Ferrante E, et al. **Minerva Pediatr** 1986 Apr 30;38(8):271-4 (Eng. Abstr.) (Ita)
[46, XX true hermaphroditism: a case report with a review of 37 cases reported in Japan] Fukuda M, et al. **Hinyokika Kiyo** 1985 May;31(5):857-61 (Eng. Abstr.) (Jpn)
[A 46, XX true hermaphrodite with H-Y antigen] Nakamura M, et al. **Hinyokika Kiyo** 1986 May;32(5):769-72 (Eng. Abstr.) (Jpn)
[XX-male in a case of male infertility] Sasagawa I, et al. **Hinyokika Kiyo** 1985 May;31(5):849-56 (Eng. Abstr.) (Jpn)
[A case of mixed gonadal dysgenesis with structural abnormalities of X chromosome (Xp+)] Watanabe H, et al. **Hinyokika Kiyo** 1985 Jul;31(7):1211-9 (Eng. Abstr.) (Jpn)
[Clinico-genealogic analysis of different forms of hypogonadism in girls] Dzenis IG, et al. **Akush Ginekol (Mosk)** 1985 Nov;(11):11-4 (Eng. Abstr.) (Rus)
[Fraccaro's syndrome: 49XXXXY sexual polysomy. Apropos of 2 cases] Fontoura M, et al. **An Esp Pediatr** 1986 Jan; 24(1):71-3 (Spa)
[Arrhythmogenic dysplasia of the right ventricle and trisomy X. Presentation of a case] Alcasena MS, et al. **Rev Esp Cardiol** 1985 Sep-Oct;38(5):357-60 (Eng. Abstr.) (Spa)
[XY translocation in a woman with dyschondrosteosis and sterility] Youlton R, et al. **Rev Med Chil** 1985 Mar; 113(3):228-30 (Eng. Abstr.) (Spa)

ANALYSIS

Biochemical analysis of an antigen produced by both human sex chromosomes. Banting GS, et al. **EMBO J** 1985 Aug; 4(8):1967-72
Demonstration of X chromatin in drumstick-like nuclear appendages of leukocytes by in situ hybridization on blood smears. Hochstenbach PF, et al. **Histochemistry** 1986; 84(4-6):383-6
Lipophilin (PLP) gene in X-linked myelin disorders. Fahim S, et al. **J Neurosci Res** 1986;16(1):303-10

ENZYMOLOGY

X-linked allozymes of phosphoglycerate kinase as tools in experimental carcinogenesis in the mouse. Bücher T, et al. **Adv Enzyme Regul** 1985;23:169-78

METABOLISM

Expression of X-linked phosphoglycerate kinase in early mouse embryos homozygous at the Xce locus. Krietsch WK, et al. **Differentiation** 1986;31(1):50-4
Sequential X-chromosome reactivation and inactivation in cell hybrids between murine embryonal carcinoma cells and female rat thymocytes. Okuyama K, et al. **Exp Cell Res** 1986 Jun;164(2):323-34

PHYSIOLOGY

Transcriptive and replicative activity of the X chromosome in an autosomal segmental hyperploid in Drosophila and its significance. Ghosh S, et al. **J Cell Sci** 1986 Mar; 81:267-81
X chromosome inactivation during induced differentiation of a female mouse embryonal carcinoma cell line. Paterno GD, et al. **J Cell Sci** 1985 Apr;75:149-63
An X-autosome fusion chromosome of Caenorhabditis elegans. Sigurdson DC, et al. **MGG** 1986 Feb;202(2):212-8
X chromosome reactivation in mouse embryonal carcinoma cells. Paterno GD, et al. **Mol Cell Biol** 1985 Oct; 5(10):2705-12
Mammalian X and Y crossover [news] Burgoyne PS. **Nature** 1986 Jan 23-29;319(6051):258-9
X chromosomes and dosage compensation [letter] Chandra HS. **Nature** 1986 Jan 2-8;319(6048):18
X chromosomes and dosage compensation [letter] Lyon MF. **Nature** 1986 Mar 27-Apr 2;320(6060):313
A gradient of sex linkage in the pseudoautosomal region of the human sex chromosomes. Rouyer F, et al. **Nature** 1986 Jan 23-29;319(6051):291-5
Is human X chromosome inactivation a sex-determining device? Chandra HS. **Proc Natl Acad Sci USA** 1985 Oct; 82(20):6947-9
Complete reactivation of X chromosomes from human chorionic villi with a switch to early DNA replication. Migeon BR, et al. **Proc Natl Acad Sci USA** 1986 Apr; 83(7):2182-6
The genetic linkage map of the human X chromosome. Drayna D, et al. **Science** 1985 Nov 15;230(4727):753-8
Mammalian X chromosome inactivation: testing the hypothesis of transcriptional control. Graves JA, et al. **Somatic Cell Mol Genet** 1986 May;12(3):275-80

ULTRASTRUCTURE

Nonrandom chromosomal changes in retinoblastomas. Pogosianz HE, et al. **Arch Geschwulstforsch** 1986; 56(2):135-43
Genetic control of sex-chromosomal univalency in the spermatocytes of C57BL/6J and DBA/2J mice. Biddle FG, et al. **Can J Genet Cytol** 1985 Dec;27(6):741-50
Stable versus unstable orientations of sex chromosomes in two grasshopper species. Ault JG. **Chromosoma** 1986; 93(4):298-304
Three related centromere proteins are absent from the inactive centromere of a stable isodicentric chromosome. Earnshaw WC, et al. **Chromosoma** 1985;92(4):290-6
Alterations in the time of X chromosome replication induced by 5-azacytidine in a patient with 48,XXXY/47,XXY. Gregory P, et al. **Cytogenet Cell Genet** 1985;39(3):234-6
The relative intranuclear positions of Barr bodies in XXX non-transformed human fibroblasts. Belmont AS, et al. **Exp Cell Res** 1986 Jul;165(1):165-79
Facultative heterochromatin in Locusta migratoria spermatogenesis: correlation between electron opacity and heteropycnosis. Friedländer M, et al. **J Cell Sci** 1986 Mar; 81:299-306
X;autosome translocations in females with Duchenne or Becker muscular dystrophy [letter] Dubowitz V. **Nature** 1986 Jul 17-23;322(6076):291-2
Deletion mapping of the testis determining locus with DNA probes in 46,XX males and in 46,XY and 46,X,dic(Y) females. Müller U, et al. **Nucleic Acids Res** 1986 Aug 26; 14(16):6489-505
[Chromosomal characteristics of X-linked recessive mental retardation. I. The X chromosome] Baranovskaia LI, et al. **Genetika** 1986 May;22(5):877-84 (Eng. Abstr.) (Rus)

X INACTIVATION see **DOSAGE COMPENSATION (GENETICS)**

X-RAY, DIAGNOSTIC see **RADIOGRAPHY**

X-RAY DIFFRACTION

New aspects of the etiology of tendon rupture. An analysis of time-resolved dynamic-mechanical measurements using synchrotron radiation. Knörzer E, et al. **Arch Orthop Trauma Surg** 1986;105(2):113-20
Quantitative mineralogical analysis of small samples of china clay using x ray diffractometry. Salt PD. **Br J Ind Med** 1985 Sep;42(9):635-41
Microbeam electron diffraction and lattice fringe studies of defect structures in enamel apatites. Lee DD, et al. **Calcif Tissue Int** 1985 Dec;37(6):651-8
X-ray diffraction studies of pancreatic calculi associated with nutritional pancreatitis. Schultz AC, et al. **Dig Dis Sci** 1986 May;31(5):476-80
Crystallographic investigation of the cooperative interaction between trimethoprim, reduced cofactor and dihydrofolate reductase. Champness JN, et al. **FEBS Lett** 1986 Apr 7; 199(1):61-7
An explanation for the "two fiber axes" problem in human enamel by x-ray diffraction. Hirota F. **J Dent Res** 1986 Jul;65(7):978-81
Structural changes during activation of frog muscle studied by time-resolved X-ray diffraction. Kress M, et al. **J Mol Biol** 1986 Apr 5;188(3):325-42
Correlation between the light diffraction pattern and the structure of a muscle fibre realized with Ewald's construction. Zite-Ferenczy F, et al. **J Muscle Res Cell Motil** 1986 Jun;7(3):197-214
Diffraction methods for biological macromolecules. Part B. **Methods Enzymol** 1985;115:1-485
Diffraction methods for biological macromolecules. Part A. **Methods Enzymol** 1985;114:1-588
X-ray diffraction from magnetically oriented solutions of macromolecular assemblies. Glucksman MJ, et al. **Science** 1986 Mar 14;231(4743):1273-6
Time-resolved X-ray diffraction studies of the B in equilibrium D structural transition in the DNA double helix. Mahendrasingam A, et al. **Science** 1986 Jul 11; 233(4760):195-7
[Use of roentgen diffractometry and infrared spectroscopy in the analysis of suspended dust samples for fractions of crystalline silicon dioxide] Werner I, et al. **Z Gesamte Hyg** 1986 Apr;32(4):250-2 (Eng. Abstr.) (Ger)

INSTRUMENTATION

Photographic science and microdensitometry in X-ray diffraction data collection. Elder M. **Methods Enzymol** 1985;114:199-211
Diffraction methods for biological macromolecules. Oscillation method with large unit cells. Harrison SC, et al. **Methods Enzymol** 1985;114:211-37
Software for a diffractometer with multiwire area detector. Howard AJ, et al. **Methods Enzymol** 1985;114:452-72
A systematic method for aligning double-focusing mirrors. Phillips WC, et al. **Methods Enzymol** 1985;114:316-29

METHODS

A low-angle X-ray diffraction analysis of osteonic inorganic phase using synchrotron radiation. Ascenzi A, et al. **Calcif Tissue Int** 1985 Dec;37(6):659-64
Phase separation in frozen erythrocyte membrane preparations. Finean JB, et al. **J Microsc** 1985 Oct;140 (Pt 1):93-8
An X-ray diffraction analysis of rat tail tendons treated with Cupromeronic Blue. Meek KM, et al. **J Microsc** 1985 Aug; 139 (Pt 2):205-19
A rotation camera used with a synchrotron radiation source. Fourme R, et al. **Methods Enzymol** 1985;114:281-99
Diffraction methods for biological macromolecules. Classic (Fo-Fc) Fourier refinement. Freer ST. **Methods Enzymol** 1985;115:235-7
Direct phase determination based on anomalous scattering. Hendrickson WA, et al. **Methods Enzymol** 1985;115:41-55
Free atom insertion and refinement as a means of extending and refining phases. Isaacs NW, et al. **Methods Enzymol** 1985;115:112-7
Diffraction methods for biological macromolecules. X-ray sources. Phillips WC. **Methods Enzymol** 1985;114:300-16
Determining the intensity of Bragg reflections from oscillation photographs. Rossmann MG. **Methods Enzymol** 1985;114:237-80
On the derivation of dynamic information from diffraction data. Stuart DI, et al. **Methods Enzymol** 1985;115:117-42
Introduction to crystallography. Sweet RM. **Methods Enzymol** 1985;114:19-46
Least-squares MIR calculations: minimum variance Fourier coefficient (MVFC) refinement. Sygusch J. **Methods Enzymol** 1985;115:15-22
Resolution of phase ambiguity in macromolecular crystallography. Wang BC. **Methods Enzymol** 1985; 115:90-112
Overview of phasing by isomorphous replacement. Watenpaugh KD. **Methods Enzymol** 1985;115:3-15
Diffractometry. Wyckoff HW. **Methods Enzymol** 1985; 114:330-86
Protein microcrystal diffraction and the effects of radiation damage with ultra-high-flux synchrotron radiation. Hedman B, et al. **Proc Natl Acad Sci USA** 1985 Nov; 82(22):7604-7
Protein, DNA, and virus crystallography with a focused imaging proportional counter. Durbin RM, et al. **Science** 1986 May 30;232(4754):1127-32
[Method of time-resolved X-ray diffraction and its application to muscle contraction] Amemiya Y, et al. **Tanpakushitsu Kakusan Koso** 1985 Sep;(28):268-73 (24 ref.) (Jpn)

X-RAY EMISSION SPECTROMETRY see **SPECTROMETRY, X-RAY EMISSION**

X-RAY EMISSION SPECTROMETRY, ELECTRON MICROSCOPIC see **ELECTRON PROBE MICROANALYSIS**

X-RAY EMISSION SPECTROMETRY, ELECTRON PROBE see **ELECTRON PROBE MICROANALYSIS**

X-RAY FILM

Portal film technique charts. Droege RT, et al. **Int J Radiat Oncol Biol Phys** 1985 Nov;11(11):2027-31
A clinical comparison of X-ray films for detection of proximal surface caries. Kantor ML, et al. **J Am Dent Assoc** 1985 Dec;111(6):967-9
A simple system for marking digital subtraction radiographs. Rowe GM, et al. **Neuroradiology** 1985;27(5):434-5
Radiographic quality control measurements comparing D-speed film, E-speed film, and xeroradiography. Diehl R, et al. **Oral Surg Oral Med Oral Pathol** 1986 Jun; 61(6):635-40
Characteristic curves of dental x-ray film. Havukainen R, et al. **Oral Surg Oral Med Oral Pathol** 1986 Jul;62(1):107-9
Resolution of several screen-film combinations in rotational panoramic radiography. McDavid WD, et al. **Oral Surg Oral Med Oral Pathol** 1986 Jun;61(6):629-34
Use of E-speed film with added filtration. Ponce AZ, et al. **Oral Surg Oral Med Oral Pathol** 1986 Mar;61(3):297-9
Kodak T-Mat G film in rotational panoramic radiography. Ponce AZ, et al. **Oral Surg Oral Med Oral Pathol** 1986 Jun;61(6):649-52
Adaptation of the Panorex II for use with rare earth screen-film combinations. Ponce AZ, et al. **Oral Surg Oral Med Oral Pathol** 1986 Jun;61(6):645-8
Sensitometric and image analysis of T-grain film. Thunthy KH, et al. **Oral Surg Oral Med Oral Pathol** 1986 Aug; 62(2):218-20
Safe handling time for film in X-ray darkrooms [letter] Ramsey LJ. **Radiography** 1986 May-Jun;52(603):152

[Test report on the system components for film processing by the middle-format technology] Furnell EC, et al. **Roentgenblatter** 1985 Dec;38(12):392–6 (Eng. Abstr.) **(Ger)**

[Comparison of a standard x-ray film with a high-latitude film in thoracic diagnosis] Oestmann JW, et al. **Roentgenblatter** 1986 Jan;39(1):7–9 (Eng. Abstr.) **(Ger)**

[Retrospective study of the previous X-ray film of lung cancer cases detected by radiographic mass survey] Kono M, et al. **Rinsho Houkasen** 1985 Sep;30(9):945–9 (Eng. Abstr.) **(Jpn)**

[Means of reducing radiation doses and silver consumption in x-ray diagnosis] Pavlov AS, et al. **Med Radiol (Mosk)** 1986 Feb;31(2):64–8 **(Rus)**

[Use of an roentgenologic film with reduced silver content and dye-enhanced image] Gurvich AM, et al. **Vestn Rentgenol Radiol** 1985 Se,.-Oct;(5):71–4 (Eng. Abstr.) **(Rus)**

[Modification of the film holders of the RUM-20 complex for obtaining pelvigrams] Kondakova NV, et al. **Vestn Rentgenol Radiol** 1985 Sep–Oct;(5):87 **(Rus)**

ECONOMICS

[Determination of the needs of therapeutic and preventive care establishments for x-ray film developing facilities] Kochetova GP, et al. **Med Tekh** 1985 Nov–Dec;(6):31–5 (Eng. Abstr.) **(Rus)**

STANDARDS

Diagnostic quality versus patient exposure with five panoramic screen–film combinations. D'Ambrosio JA, et al. **Oral Surg Oral Med Oral Pathol** 1986 Apr;61(4):409–11

[Quality control of film development in radiography] Malchair-Leyder F, et al. **J Belge Radiol** 1986;69(2):127–31 (Eng. Abstr.) **(Fre)**

[Control of film processing and dark room lighting] von Volkmann T. **Strahlenschutz Forsch Prax** 1986;27:54–66 **(Ger)**

[Optimization of the thoracic radiograph. Experimental and clinical study on the use of various film/screen combinations using rare earths] Bergonzini R, et al. **Radiol Med (Torino)** 1986 May;72(5):261–6 (Eng. Abstr.) **(Ita)**

X-RAY FLUORESCENCE SPECTROMETRY see **SPECTROMETRY, X-RAY EMISSION**

X-RAY INTENSIFYING SCREENS see under **RADIOGRAPHIC IMAGE ENHANCEMENT**

X-RAY MICROANALYSIS, ELECTRON MICROSCOPIC see **ELECTRON PROBE MICROANALYSIS**

X-RAY MICROANALYSIS, ELECTRON PROBE see **ELECTRON PROBE MICROANALYSIS**

X-RAY THERAPY see under **RADIOTHERAPY**

X-RAY TOMOGRAPHY see **TOMOGRAPHY, X-RAY**

X-RAY TOMOGRAPHY, COMPUTED see **TOMOGRAPHY, X-RAY COMPUTED**

X-RAYS see under **RADIATION, IONIZING**

XANTHENES

Pyronin–phosphotungstic acid: spectral characteristics and staining pattern on Epon semithin sections. Armas-Portela R, et al. **Acta Histochem (Jena)** 1986;79(2):205–9

Standardized methyl green–pyronin Y procedures using pure dyes. Høyer PE, et al. **Histochem J** 1986 Feb–Mar; 18(2–3):90–4

Methyl green–pyronin stain distinguishes proliferating from differentiated nonproliferating cell nuclei after acid denaturation of DNA. Iseki S, et al. **J Histochem Cytochem** 1986 May;34(5):683–7

Clinical applications of the organic dye laser. L'Esperance FA Jr. **Ophthalmology** 1985 Nov;92(11):1592–600

Trans-spectral organic dye laser photocoagulation. L'Esperance FA Jr. **Trans Am Ophthalmol Soc** 1985; 83:82–113

ADMINISTRATION & DOSAGE

Rhodamine B ingestion as a cause of fluorescent red urine. Kelner MJ. **West J Med** 1985 Oct;143(4):523–4

ANALYSIS

High-performance liquid chromatographic quantitation of rhodamines 123 and 110 from tissues and cultured cells. Banes AJ, et al. **J Chromatogr** 1986 Apr 4;356(2):301–9

Determination of sterigmatocystin in feed by high-performance liquid chromatography with column switching. Lepom P. **J Chromatogr** 1986 Feb 28;354:518–23

Enzyme-linked immunosorbent assay for secalonic acid D. Neucere JN. **Mycopathologia** 1986 Jan;93(1):39–43

CHEMICAL SYNTHESIS

Xanthone analogue of geiparvarin. Valenti P, et al. **Arch Pharm (Weinheim)** 1985 Oct;318(10):923–6

Attempts to synthesize a red-fluorescing dye for intracellular injection. Stewart WW, et al. **Soc Gen Physiol Ser** 1986; 40:65–8

DIAGNOSTIC USE

Double staining technique using a combination of indirect and direct immunofluorescence with monoclonal antibodies. Kupper H, et al. **Acta Histochem (Jena)** 1986; 78(2):185–8

Fluorescent markers to study membrane retrieval in antidiuretic hormone-treated toad urinary bladder. Harris HW Jr, et al. **Am J Physiol** 1986 Aug;251(2 Pt 1):C274–84

Divergent axon collaterals to cerebellum and amygdala from neurons in the parabrachial nucleus, the nucleus locus coeruleus and some adjacent nuclei. A fluorescent double labelling study using rhodamine labelled latex microspheres and fast blue as retrograde tracers. Dietrichs E. **Anat Embryol (Berl)** 1985;172(3):375–82

Nucleic acid staining with the methyl green–pyronin method. A comparison of the use of pure dyes and commercially available dyes. Andersen AP, et al. **Histochemistry** 1986; 84(3):279–80

Novel rhodamine tripeptide substrate for manual and automated colorimetric prothrombin time test. Mitchell GA, et al. **Thromb Res** 1985 Nov 1;40(3):339–49

A permeability test for acute corneal toxicity. Maurice D, et al. **Toxicol Lett** 1986 May;31(2):125–30

[Thallium poisoning. Treatment with dithizone and evaluation with rhodamine B] Belloy Kuhn P, et al. **Rev Med Chil** 1985 Jan;113(1):45–7 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Fluorescein and tetramethyl rhodamine as haptens in enzyme immunohistochemistry. Haaijman JJ, et al. **Histochemistry** 1986;84(4–6):363–70

ISOLATION & PURIFICATION

[Isolation and identification of wubangziside A and B from Polygala caudata Rehd et Wils] Pan MD, et al. **Yao Hsueh Hsueh Pao** 1984 Dec;19(12):899–903 (Eng. Abstr.) **(Chi)**

METABOLISM

Rhodamine 123 as a probe of transmembrane potential in isolated rat-liver mitochondria: spectral and metabolic properties. Emaus RK, et al. **Biochim Biophys Acta** 1986 Jul 23;850(3):436–48

Increased rhodamine 123 uptake by carcinoma cells. Nadakavukaren KK, et al. **Cancer Res** 1985 Dec;45(12 Pt 1):6093–9

Mitochondrial uptake of rhodamine 123 by rabbit articular chondrocytes. Benel L, et al. **Cytometry** 1986 May; 7(3):281–5

Initial reactions of xanthone biodegradation by an Arthrobacter sp. Tomasek PH, et al. **J Bacteriol** 1986 Sep; 167(3):818–27

Mitochondrial and plasma membrane potentials cause unusual accumulation and retention of rhodamine 123 by human breast adenocarcinoma-derived MCF-7 cells. Davis S, et al. **J Biol Chem** 1985 Nov 5;260(25):13844–50

Formation of a fluorescent glucocorticoid receptor–steroid complex in HTC cell cytosol. Pons M, et al. **J Steroid Biochem** 1985 Sep;23(3):267–73

Formation and persistence of sterigmatocystin—DNA adducts in rat liver determined via 32P-postlabeling analysis. Reddy MV, et al. **Mutat Res** 1985 Oct; 152(1):85–96

PHARMACODYNAMICS

Inhibition by rhodamine 123 of protein synthesis in mitochondria of normal and cancer tissues. Abou-Khalil WH, et al. **Biochem Biophys Res Commun** 1986 Jun 13; 137(2):759–65

Effects of probes of membrane potential on metabolism in synaptosomes. Aiuchi T, et al. **Biochim Biophys Acta** 1985 Nov 22;843(1–2):20–4

Selective killing of carcinoma cells "in vitro" by lipophilic-cationic compounds: a cellular basis. Lampidis TJ, et al. **Biomed Pharmacother** 1985;39(5):220–6

Rhodamine 6G inhibits the matrix-catalyzed processing of precursors of rat-liver mitochondrial proteins. Kuzela S, et al. **Eur J Biochem** 1986 Feb 3;154(3):553–7

Interaction of hyperthermia and rhodamine 123 in HeLa S-3 cells in culture. Kim JH, et al. **Int J Hyperthermia** 1985 Jul–Sep;1(3):247–53

Genotoxic effects of a variety of sterigmatocystin-related compounds in the hepatocyte/DNA-repair test and the Salmonella microsome assay. Mori H, et al. **Mutat Res** 1986 Mar;173(3):217–22

THERAPEUTIC USE

Laser photochemotherapy of rhodamine-123 sensitized human glioma cells in vitro. Powers SK, et al. **J Neurosurg** 1986 Jun;64(6):918–23

TOXICITY

Evaluation of laser dye mutagenicity using the Ames/Salmonella microsome test. Wuebbles BJ, et al. **Environ Mutagen** 1985;7(4):511–22

Changes in kinetic properties of rat liver gamma-glutamyl transferase during sterigmatocystin toxicity. Banu S, et al. **Indian J Biochem Biophys** 1985 Aug;22(4):247–8

Human cell variants resistant to rhodamine 6G. Wiseman A, et al. **Somatic Cell Mol Genet** 1985 Nov;11(6):541–56

[Production of secalonic acid D by strains of Penicillium oxalicum and its toxic effects on chick embryos] Veselá D, et al. **Vet Med (Praha)** 1985 Sep;30(9):571–5 (Eng. Abstr.) **(Cze)**

XANTHINE DEHYDROGENASE see under **KETONE OXIDOREDUCTASES**

XANTHINE OXIDASE

Xanthine oxidase: biochemistry, distribution and physiology. Parks DA, et al. **Acta Physiol Scand [Suppl]** 1986;548:87–99 (59 ref.)

Phosphate determination by enzymatic colorimetric assay. Foissati P. **Anal Biochem** 1985 Aug 15;149(1):62–5

ANALYSIS

Contamination of commercial preparations of xanthine oxidase by a Ca2+-dependent phospholipase A2. Gamache DA, et al. **Biochim Biophys Acta** 1986 Jun 13;858(1):217–20

Duodenal xanthine oxidase (EC 1.2.3.2) and ferroxidase activities in the rat in relation to the increased iron absorption caused by peroral xylitol. Hämäläinen MM, et al. **Br J Nutr** 1985 Sep;54(2):493–8

Luminol chemiluminescence and peroxidation of unsaturated fatty acid induced by the xanthine oxidase system: effect of oxygen radical scavengers. Miura T, et al. **Chem Pharm Bull (Tokyo)** 1985 Aug;33(8):3402–7

[Xanthine oxidase activity in dairy products sold in Panama] Gupta MP, et al. **Rev Med Panama** 1986 Jan;11(1):49–53 (Eng. Abstr.) **(Spa)**

ANTAGONISTS & INHIBITORS

Effect of anti-inflammatory drugs on xanthine oxidase and xanthine oxidase induced depolymerization of hyaluronic acid. Carlin G, et al. **Agents Actions** 1985 Jul;16(5):377–84

Detection by low-temperature magnetic circular-dichroism spectroscopy of optical absorption bands due to molybdenum (V) in the form of xanthine oxidase giving the Desulpho Inhibited e.p.r. signal. Peterson J, et al. **Biochem J** 1986 Jan 1;233(1):107–10

Human and bovine xanthine oxidases. Inhibition studies with oxipurinol. Spector T, et al. **Biochem Pharmacol** 1986 Sep 15;35(18):3109–14

Infarct size limitation by the xanthine oxidase inhibitor, allopurinol, in closed-chest dogs with small infarcts. Akizuki S, et al. **Cardiovasc Res** 1985 Nov;19(11):686–92

Reduction of the size of infarction by allopurinol in the ischemic–reperfused canine heart. Werns SW, et al. **Circulation** 1986 Mar;73(3):518–24

Xanthine oxidase inhibitors attenuate ischemia-induced vascular permeability changes in the cat intestine. Granger DN, et al. **Gastroenterology** 1986 Jan;90(1):80–4

Inhibitory action of quercetin on xanthine oxidase and xanthine dehydrogenase activity. Bindoli A, et al. **Pharmacol Res Commun** 1985 Sep;17(9):831–9

BIOSYNTHESIS

Influence of H-2 haplotypes on poly IC induction of xanthine oxidase and poly IC induced decreases in P-450 mediated enzyme activities. Koizumi A, et al. **Biochem Biophys Res Commun** 1986 Jul 16;138(1):246–53

Induction of xanthine oxidase and heme oxygenase and depression of liver drug metabolism by interferon: a study with different recombinant interferons. Ghezzi P, et al. **J Interferon Res** 1986 Jun;6(3):251–6

DEFICIENCY

Combined deficiency of xanthine oxidase and sulphite oxidase: diagnosis of a new case followed by an antenatal diagnosis. Desjacques P, et al. **J Inherited Metab Dis** 1985; 8 Suppl 2:117–8

Hereditary xanthinuria presenting in infancy with nephrolithiasis. Carpenter TO, et al. **J Pediatr** 1986 Aug; 109(2):307–9

ISOLATION & PURIFICATION

Xanthine oxidase from human liver: purification and characterization. Krenitsky TA, et al. **Arch Biochem Biophys** 1986 May 15;247(1):108–19

METABOLISM

Significance of xanthine oxidase in capillary endothelial cells. Jarasch ED, et al. **Acta Physiol Scand [Suppl]** 1986; 548:39–46

Aldehyde dehydrogenases, aldehyde oxidase and xanthine oxidase from baboon tissues: phenotypic variability and subcellular distribution in liver and brain. Holmes RS, et al. **Alcohol** 1986 May–Jun;3(3):205–14

Iron and xanthine oxidase catalyze formation of an oxidant species distinguishable from OH.: comparison with the Haber-Weiss reaction. Winterbourn CC, et al. **Arch Biochem Biophys** 1986 Jan;244(1):27–34

Treatment with poly I.C. enhances lipid peroxidation and the activity of xanthine oxidase, and decreases hepatic

P-450 content and activities in mice and rats. Koizumi A, et al. **Biochem Biophys Res Commun** 1986 Jan 29; 134(2):632–7

Enzymic determination of inorganic phosphates, organic phosphates and phosphate-liberating enzymes by use of nucleoside phosphorylase-xanthine oxidase (dehydrogenase)-coupled reactions. de Groot H, et al. **Biochem J** 1985 Aug 15;...1):255–60

Studies of the ferroxidase activity of native and chemically modified xanthine oxidoreductase. Topham RW, et al. **Biochem J** 1986 Apr 1;235(1):39–44

Effect of allopurinol on neutrophil superoxide production, chemotaxis, or degranulation. Jones HP, et al. **Biochem Pharmacol** 1985 Oct 15;34(20):3673–6

Reduction of the metallochromic indicators murexide and tetramethylmurexide to their free radical metabolites by cytoplasmic enzymes and reducing agents. Moreno SN, et al. **Chem Biol Interact** 1986 Jan;57(1):17–25

The nitrate reductase activity of milk xanthine oxidase. Sergeev NS, et al. **J Appl Biochem** 1985 Apr;7(2):86–92

The equilibration of reducing equivalents within milk xanthine oxidase. Hille R, et al. **J Biol Chem** 1986 Jan 25; 261(3):1241–7

Interaction of milk xanthine oxidase with folic acid. Inhibition of milk xanthine oxidase by folic acid and separation of the enzyme into two fractions on Sepharose 4B/folate gel. Nishino T, et al. **J Biol Chem** 1986 Aug 25;261(24):11242–6

Role of acetaldehyde and xanthine oxidase in ethanol-induced oxidative stress. Oei HH, et al. **Res Commun Chem Pathol Pharmacol** 1986 Feb; 51(2):195–203

[Formation of free radicals during interaction of adriamycin and carminomycin with xanthine oxidase] Ledenev AN, et al. **Biofizika** 1986 May-Jun;31(3):519–21 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Vanadate-stimulated NADH oxidation by xanthine oxidase: an intrinsic property. Khandke L, et al. **Arch Biochem Biophys** 1986 Feb 1;244(2):742–9

Ocular responses to superoxide generated by intraocular injection of xanthine oxidase. Mittag TW, et al. **Exp Eye Res** 1985 Mar;40(3):411–9

Effect of extracellularly generated free radicals on the plasma membrane permeability of isolated pancreatic B-cells. Grankvist K, et al. **Int J Biochem** 1986;18(2):109–13

Inhibition of the proteolytic contaminant in commercial xanthine oxidase preparations by serum protein fractions. Greenwald RA, et al. **J Free Radic Biol Med** 1985; 1(5–6):451–7

Superoxide radical from xanthine oxidase acting upon lumazine. Nagano T, et al. **J Free Radic Biol Med** 1985; 1(1):39–42

The effect of oxygen-dependent antimicrobial systems on strains of Legionella pneumophila of different virulence. Jepras RI, et al. **J Hyg (Lond)** 1986 Aug;97(1):61–9

PHYSIOLOGY

Xanthine oxidase: a critical mediator of myocardial injury during ischemia and reperfusion? Hearse DJ, et al. **Acta Physiol Scand [Suppl]** 1986;548:65–78 (58 ref.)

TOXICITY

Treatment of lymphocyte cultures with a hypoxanthine-xanthine oxidase system induces the formation of transferable clastogenic material. Emerit I, et al. **J Free Radic Biol Med** 1985;1(1):51–7

Histidine increases the frequency of chromosomal aberrations induced by the xanthine oxidase-hypoxanthine system in V79 cells. Shibuya H, et al. **Toxicol Lett** 1985 Nov; 28(2–3):117–23

XANTHINES

Functionalized congeners of 1,3-dipropyl-8-phenylxanthine: potent antagonists for adenosine receptors that modulate membrane adenylate cyclase in pheochromocytoma cells, platelets and fat cells. Ukena D, et al. **Life Sci** 1986 Mar 3;38(9):797–807

Methylxanthine, alcohol-free diet and fibrocystic breast disease: a factorial clinical trial. Parazzini F, et al. **Surgery** 1986 May;99(5):576–81

On the medical history of xanthines and other remedies for asthma: a tribute to HH Salter. Persson CG. **Thorax** 1985 Dec;40(12):881–6

ADMINISTRATION & DOSAGE

Assessment of bio(in)equivalence of deriphyllin-digoxin in human volunteers. Bansinath M, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Jan;24(1):30–3

The effect of theophylline and enprofylline on allergen-induced bronchoconstriction. Pauwels R, et al. **J Allergy Clin Immunol** 1985 Oct;76(4):583–90

Methylxanthines and breast cancer [letter] Pozner J, et al. **JAMA** 1986 Feb 14;255(6):748

Tracheal relaxation from combinations of xanthines and of a beta 2-receptor agonist and xanthines. Persson CG, et al. **Lung** 1986;164(1):33–40

Enprofylline and theophylline slow-eroding tablets in the treatment of asthma: a comparison. Laursen LC, et al. **Respiration** 1986;50(1):57–61

ADVERSE EFFECTS

Methylxanthines and benign breast disease. Schairer C, et al. **Am J Epidemiol** 1986 Oct;124(4):607–11

Cardiac arrhythmias in patients with mild-to-moderate obstructive lung disease. Comparison of beta-agonist therapy alone and in combination with a xanthine derivative, enprofylline or theophylline. Conradson TB, et al. **Chest** 1985 Oct;88(4):537–42

ANALYSIS

Liquid-chromatographic measurements of inosine, hypoxanthine, and xanthine in studies of fructose-induced degradation of adenine nucleotides in humans and rats. Kurtz TW, et al. **Clin Chem** 1986 May;32(5):782–6

BLOOD

Evidence for adenosine triphosphate degradation in critically-ill patients. Grum CM, et al. **Chest** 1985 Nov; 88(5):763–7

Assessment of caffeine exposure: caffeine content of beverages, caffeine intake, and plasma concentrations of methylxanthines. Lelo A, et al. **Clin Pharmacol Ther** 1986 Jan;39(1):54–9

[A colorimetric method for determination of guanase activity in serum based on superoxide anion with elimination of interference by endogenous xanthine] Nishikawa Y, et al. **Rinsho Byori** 1985 Dec;33(12):1413–7 **(Jpn)**

CEREBROSPINAL FLUID

Post-mortem oxypurine concentrations in the CSF. Manzke H, et al. **Adv Exp Med Biol** 1986;195 Pt A:587–91

CHEMICAL SYNTHESIS

Studies on xanthine derivatives. II. Synthesis of 1,2,3,7-tetrahydro-6H-purin-6-ones from xanthine hydrolyzates. Ohsaki T, et al. **Chem Pharm Bull (Tokyo)** 1986 Jan;34(1):36–50

ISOLATION & PURIFICATION

[Isolation and identification of wubangziside C from Polygala caudata Rehd et Wils] Pan MD, et al. **Yao Hsueh Hsueh Pao** 1985 Sep;20(9):662–5 (Eng. Abstr.) **(Chi)**

METABOLISM

Deamination of guanine to xanthine: a metabolic pathway of underestimated importance in human purine catabolism? van Waeg G, et al. **Adv Exp Med Biol** 1986;195 Pt A:425–30

Effects of probenecid on enprofylline kinetics in man. Borgå O, et al. **Eur J Clin Pharmacol** 1986;30(2):221–3

Pharmacokinetics of theophylline and enprofylline in patients requiring a high or low dose of theophylline. Laursen LC, et al. **Eur J Clin Pharmacol** 1985;29(1):115–7

A [3H]amine congener of 1,3-dipropyl-8-phenylxanthine. A new radioligand for A2 adenosine receptors of human platelets. Ukena D, et al. **FEBS Lett** 1986 Apr 21; 199(2):269–74

[3H]xanthine amine congener of 1,3-dipropyl-8-phenylxanthine: an antagonist radioligand for adenosine receptors. Jacobson KA, et al. **Proc Natl Acad Sci USA** 1986 Jun;83(11):4089–93

PHARMACODYNAMICS

Bronchodilating plasma concentrations of enprofylline and theophylline have minor cardiovascular effects in man. Conradson TB. **Acta Pharmacol Toxicol (Copenh)** 1986 Mar; 58(3):204–8

The xanthine derivative 1-(5'-oxohexyl)-3-methyl-7-propyl xanthine (HWA 285) enhances the actions of adenosine. Fredholm BB, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Mar;58(3):187–92

A novel 8-phenyl-substituted xanthine derivative is a selective antagonist at adenosine A1-receptors in vivo. Jakobson KA, et al. **Acta Physiol Scand** 1985 Oct; 125(2):341–2

Effect of a methylxanthine preparation in the form of a retention enema on pulmonary function and theophylline levels in patients with acute bronchospasm. Dorow P, et al. **Arzneimittelforschung** 1986 Jun;36(6):974–6

In vitro and in vivo inhibitory effects of propentofylline on cyclic AMP phosphodiesterase activity. Nagata K, et al. **Arzneimittelforschung** 1985;35(7):1034–6

Reversal of glucose-induced inhibition of newborn rat liver mitochondrial maturation by administration of alkylxanthines at birth. Comte J, et al. **Biochem Pharmacol** 1986 Jul 15;35(14):2411–6

The inhibition of rat adipocyte ecto-5'-nucleotidase by xanthines is not related to lipolysis. Steinfelder HJ, et al. **Biochem Pharmacol** 1986 Mar 1;35(5):867–9

Adenosine-induced secretion in the canine trachea: modification by methylxanthines and adenosine derivatives. Johnson HG, et al. **Br J Pharmacol** 1985 Sep;86(1):63–7

1,3-Dipropyl-8-cyclopentylxanthine (DPCPX) inhibition of [3H]N-ethylcarboxamidoadenosine (NECA) binding allows the visualization of putative non-A1 adenosine receptors. Lee KS, et al. **Brain Res** 1986 Mar 19; 368(2):394–8

Cardiovascular effects of enprofylline and theophylline. Esquivel M, et al. **Clin Pharmacol Ther** 1986 Apr; 39(4):395–402

Effects of propentofylline (HWA 285) on laser-induced thrombus formation in healthy and diseased rat mesenteric arterioles. Seiffge D, et al. **Curr Med Res Opin** 1986; 10(2):94–8

Enprofylline: pharmacokinetics and comparison with theophylline of acute effects on bronchial reactivity in normal subjects. Kluge TB, et al. **Eur J Clin Pharmacol** 1986;30(1):21–5

Actions and interactions of adenosine, theophylline and enprofylline on the guinea-pig spirally cut trachea. Darmani NA, et al. **Eur J Pharmacol** 1986 Jun 24; 125(3):353–62

Effects of enprofylline on A1 and A2 adenosine receptors. Ukena D, et al. **Eur J Pharmacol** 1985 Oct 29;117(1):25–33

Analogues of 1,3-dipropyl-8-phenylxanthine: enhancement of selectivity at A1-adenosine receptors by aryl substituents. Daly JW, et al. **J Med Chem** 1986 Aug; 29(8):1520–4

The effect of xanthine derivatives on red blood cells: microelectrophoretic studies. Luk YO, et al. **J Pharm Pharmacol** 1985 Sep;37(9):646–7

Modulation of the behavioral effects of chlordiazepoxide by methylxanthines and analogs of adenosine in squirrel monkeys. Coffin VL, et al. **J Pharmacol Exp Ther** 1985 Dec;235(3):724–8

Effects of synthesized phosphodiesterase inhibitors, DM 9278 and HWA 285, on pancreatic exocrine secretion of the dog. Yamagishi F, et al. **Jpn J Pharmacol** 1985 Oct;39(2):131–6

Effects of enprofylline and theophylline may show the role of adenosine. Persson CG, et al. **Life Sci** 1986 Mar 24; 38(12):1057–72 (136 ref.)

A functionalized congener approach to adenosine receptor antagonists: amino acid conjugates of 1,3-dipropylxanthine. Jacobson KA, et al. **Mol Pharmacol** 1986 Feb;29(2):126–33

Differential effects of methylxanthines on local cerebral blood flow and glucose utilization in the conscious rat. Grome JJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Jun;333(2):172–7

Xanthine derivatives as antagonists at A1 and A2 adenosine receptors. Schwabe U, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Sep; 330(3):212–21

Pulmonary surfactant release in fetal rabbits as affected by enprofylline. Ekelund L, et al. **Pediatr Res** 1985 Oct; 19(10):1000–3

Inherent differences in sensitivity to methylxanthines among inbred mice. Logan L, et al. **Pharmacol Biochem Behav** 1986 May;24(5):1281–6

Complex genetic determinants of susceptibility to methylxanthine-induced locomotor activity changes. Seale TW, et al. **Pharmacol Biochem Behav** 1986 May; 24(5):1333–41

[Behavioral effects of propentofylline (HWA 285) on ambulatory activity, discrete avoidance response and passive avoidance response in mice] Kuribara H, et al. **Nippon Yakurigaku Zasshi** 1986 May;87(5):573–81 (Eng. Abstr.) **(Jpn)**

[Studies on cardiac ingredients of plants: biological activities and structural variation of xanthines] Sakakibara J, et al. **Yakugaku Zasshi** 1985 Aug;105(8):730–5 (Eng. Abstr.) **(Jpn)**

[Methylxanthines and enzymes which degrade adenine nucleotides] Pecháň I, et al. **Bratisl Lek Listy** 1986 Mar; 85(3):315–24 (Eng. Abstr.) **(Slo)**

THERAPEUTIC USE

Comparison of enprofylline and theophylline for intravenous treatment of acute asthma. Haahtela T, et al. **Allergy** 1986 Feb;41(2):160–2

Effects of enprofylline and theophylline on exercise-induced asthma. Laursen LC, et al. **Allergy** 1985 Oct;40(7):506–9

Update on methylxanthine therapy. **Am J Med** 1985 Dec 20;79(6A):...–78

[Comparison of the bronchodilator and protective effect of methylxanthines] Magnussen H, et al. **Dtsch Med Wochenschr** 1986 Jan 3;111(1):15–9 (Eng. Abstr.) **(Ger)**

URINE

Effect of fructose infusion in hereditary xanthinuria. Mateos FA, et al. **Adv Exp Med Biol** 1986;195 Pt A:115–21

Purine excretion during tumor lysis in children with acute lymphocytic leukemia receiving allopurinol: relationship to acute renal failure. Andreoli SP, et al. **J Pediatr** 1986 Aug;109(2):292–8

Hereditary xanthinuria presenting in infancy with nephrolithiasis. Carpenter TO, et al. **J Pediatr** 1986 Aug; 109(2):307–9

Etiopathogenesis of uncommon canine uroliths. Xanthine, carbonate, drugs, and drug metabolites. Osborne CA, et al. **Vet Clin North Am [Small Anim Pract]** 1986 Mar; 16(2):217–25 (46 ref.)

[Differential diagnosis of hypouricemia. Apropos of a case of probable xanthinuria] Tesarik-Vouga AL, et al. **Schweiz Rundsch Med Prax** 1986 Jan 7;75(1–2):17–9 (Eng. Abstr.) **(Fre)**

XANTHINOL NIACINATE see under **THEOPHYLLINE**

XANTHOGRANULOMA, JUVENILE see **XANTHOMA,**

JUVENILE

XANTHOMA, JUVENILE

COMPLICATIONS

[Nevoxanthoendothelioma of the iris with glaucoma without skin lesions] Darmon J, et al. **Bull Soc Ophtalmol Fr** 1984 Nov;84(11):1215–7 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Juvenile xanthogranulomas and xanthoma disseminatum—variations on a single theme [letter] Gallant CJ, et al. **J Am Acad Dermatol** 1986 Jul;15(1):108–9

[2 cases of juvenile xanthogranuloma. Diagnostic and therapeutic problems posed by the iridic localization of the disease] Godde-Jolly D, et al. **Bull Soc Ophtalmol Fr** 1985 Aug–Sep;85(8–9):889–93 **(Fre)**

[Juvenile xanthogranuloma] Karalitskil EM, et al. **Vestn Dermatol Venerol** 1985 Nov;(11):56–8 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Juvenile xanthogranuloma. Clinicopathologic analysis and immunohistochemical study of 57 patients. Sonoda T, et al. **Cancer** 1985 Nov 1;56(9):2280–6

Juvenile xanthogranuloma with central nervous system lesions. Flach DB, et al. **J Am Acad Dermatol** 1986 Mar; 14(3):405–11

A rare cause cot death—infantile xanthomatous cardiomyopathy. Cunningham NE, et al. **Med Sci Law** 1985 Apr;25(2):149–52

[Atypical juvenile xanthogranuloma] Dhermy P. **Bull Soc Ophtalmol Fr** 1985 Aug–Sep;85(8–9):895–7 (Eng. Abstr.) **(Fre)**

RADIOTHERAPY

Juvenile xanthogranuloma of the iris managed with superficial radiotherapy. MacLeod PM. **Clin Radiol** 1986 May;37(3):295–6

THERAPY

[Retroperitoneal xanthogranuloma. Apropos of a case. Results of combined treatment with preoperative polychemotherapy and radical surgery] Sánchez E, et al. **An Esp Pediatr** 1985 Oct 31;23(5):367–70 **(Spa)**

XANTHOMATOSIS

BLOOD

Fatty acid composition of individual plasma steryl esters in phytosterolemia and xanthomatosis. Kuksis A, et al. **Lipids** 1986 Jun;21(6):371–7

COMPLICATIONS

Necrobiotic xanthogranuloma with paraproteinaemia. Macfarlane AW, et al. **Br J Dermatol** 1985 Sep; 113(3):339–43

Xanthogranulomatous pyelonephritis associated with pyeloduodenal fistula. Cheatle TR, et al. **Br J Surg** 1985 Sep;72(9):764

Tendon xanthomas associated with cholestanolosis and hyperapobetalipoproteinemia. Lussier-Cacan S, et al. **Clin Invest Med** 1986;9(2):94–9

Gastric xanthomatosis and cholestasis. A causal relationship. Coates AG, et al. **Dig Dis Sci** 1986 Sep;31(9):925–8

Multiple flexor tendon xanthomas and contractures in the hands of a child with familial hypercholesterolemia. Gunther SF, et al. **J Hand Surg [Am]** 1986 Jul;11(4):588–93

Lethal atherosclerosis associated with abnormal plasma and tissue sterol composition in sitosterolemia with xanthomatosis. Salen G, et al. **J Lipid Res** 1985 Sep; 26(9):1126–33

[Xantholeukemia associated with Recklinghausen's neurofibromatosis] Laroche L, et al. **Ann Dermatol Venereol** 1985;112(9):731–2 **(Fre)**

[Normolipemic plane xanthoma—IgG kappa myeloma—lupus erythematosus] Lepeytre P, et al. **Ann Dermatol Venereol** 1985;112(9):737–8 **(Fre)**

[Localized xanthoma in lymphedema] Guedes AC, et al. **Med Cutan Ibero Lat Am** 1985;13(6):481–5 (Eng. Abstr.) **(Por)**

DIAGNOSIS

Necrobiotic xanthogranuloma: a report of four cases. Holden CA, et al. **Br J Dermatol** 1986 Feb;114(2):241–50

Retrospective endoscopic analysis of gastric xanthelasma in the non-operated stomach. Moretó M, et al. **Endoscopy** 1985 Nov;17(6):210–1

Biochemical diagnosis of cerebrotendinous xanthomatosis using reversed phase thin layer chromatography. Kasama T, et al. **J Biochem (Tokyo)** 1986 Mar;99(3):771–5

Magnetic resonance imaging in cerebrotendinous xanthomatosis. Swanson PD, et al. **Neurology** 1986 Jan; 36(1):124–6

DRUG THERAPY

Effects of probucol on xanthomata regression in familial hypercholesterolemia. Yamamoto A, et al. **Am J Cardiol** 1986 Jun 27;57(16):29H–35H

Treatment of cerebrotendinous xanthomatosis with chenodeoxycholic acid. Pedley TA, et al. **Ann Neurol** 1985 Oct;18(4):517–8

Bile acid therapies applied to patients suffering from cerebrotendinous xanthomatosis. Koopman BJ, et al. **Clin Chim Acta** 1985 Oct 31;152(1–2):115–22

ENZYMOLOGY

Demonstration of 26-hydroxylation of C27-steroids in human skin fibroblasts, and a deficiency of this activity in cerebrotendinous xanthomatosis. Skrede S, et al. **J Clin Invest** 1986 Sep;78(3):729–35

ETIOLOGY

The association of dyslipoproteinemia with corneal arcus and xanthelasma. The Lipid Research Clinics Program Prevalence Study. Segal P, et al. **Circulation** 1986 Jan;73(1 Pt 2):I108–18

Xanthomas and hyperlipidemias [letter] Vermeer BJ. **J Am Acad Dermatol** 1986 May;14(5 Pt 1):839–40

Endobronchial foreign body (cigarette filter tip) with inflammatory pseudotumor of the lung. A "true" xanthogranuloma. Batra AK, et al. **NY State J Med** 1985 Jul;85(7):389–90

[Hyperprebetalipoproteinemia and synovial xanthomatosis] Huaux JP, et al. **Rev Rhum Mal Osteoartic** 1985 Nov; 52(11):641–3 **(Fre)**

FAMILIAL & GENETIC

Chronic demyelinating peripheral neuropathy in cerebrotendinous xanthomatosis. Argov Z, et al. **Ann Neurol** 1986 Jul;20(1):89–91

Detection of carriers of cerebrotendinous xanthomatosis. Koopman BJ, et al. **Clin Chim Acta** 1986 Jul 30; 158(2):179–85

[Hyperlipoproteinemia type III with apolipoprotein E phenotype 2/2] Engst R. **Hautarzt** 1985 Nov;36(11):629–34 (Eng. Abstr.) **(Ger)**

[Familial diabetic xanthomatosis] Krivosheev AB, et al. **Vestn Dermatol Venerol** 1985 Sep;(9):45–7 (Eng. Abstr.) **(Rus)**

METABOLISM

Lipid deposition in human tendon xanthoma. Kruth HS. **Am J Pathol** 1985 Nov;121(2):311–5

Thermal transition studies of a mature xanthelasma by differential scanning calorimetry. Winder AF, et al. **Clin Chim Acta** 1985 Oct 15;151(3):253–7

Bile alcohol profiles in bile, urine, and feces of a patient with cerebrotendinous xanthomatosis. Shimazu K, et al. **J Biochem (Tokyo)** 1986 Feb;99(2):477–83

Abnormal metabolism of shellfish sterols in a patient with sitosterolemia and xanthomatosis. Gregg RE, et al. **J Clin Invest** 1986 Jun;77(6):1864–72

Hyperlipoproteinaemia and xanthomatosis as a model of cholesterol ester accumulation. Vermeer BJ. **J Dermatol (Tokyo)** 1986 Feb;13(1):2–9

A novel route for the biosynthesis of cholestanol, and its significance for the pathogenesis of cerebrotendinous xanthomatosis. Skrede S, et al. **Scand J Clin Lab Invest [Suppl]** 1985;177:15–21

Studies of the mechanism of the increased biosynthesis of cholestanol in cerebrotendinous xanthomatosis. The activity of delta 5-3 beta-hydroxysteroid dehydrogenase. Buchmann MS, et al. **Scand J Gastroenterol** 1985 Dec; 20(10):1262–6

[Lipid metabolism in xanthoma] Nohara N. **Nippon Hifuka Gekkai Zasshi** 1985 Oct;95(12 Suppl):1241–4 **(Jpn)**

PATHOLOGY

Verruciform xanthoma of the nose in an elderly male. Duray PH, et al. **Am J Dermatopathol** 1986 Jun;8(3):237–40

The verruciform xanthoma. A review and report of eight new cases. Neville B. **Am J Dermatopathol** 1986 Jun; 8(3):247–53

Pathologic quiz case 1. Xanthelasma palpebrarum. Hagan WE, et al. **Arch Otolaryngol Head Neck Surg** 1986 Sep; 112(9):994–6

Eruptive xanthoma: a microscopic simulant of granuloma annulare. Cooper PH. **J Cutan Pathol** 1986 Jun; 13(3):207–15

Verruciform xanthoma of the scrotum. Shindo Y, et al. **J Dermatol (Tokyo)** 1985 Oct;12(5):443–8

A suspicious lump in the neck. Swanston AR, et al. **J Laryngol Otol** 1986 Apr;100(4):483–6

Langerhans cells in verruciform xanthomas: an immunoperoxidase study of 10 oral cases. Rowden D, et al. **J Oral Pathol** 1986 Jan;15(1):48–53

Xanthoma disseminatum. Ford GP, et al. **J R Soc Med** 1985; 78 Suppl 11:8–9

Fibrous xanthoma in the gasserian ganglion: case report. Morimura T, et al. **Neurosurgery** 1986 Jul;19(1):139–41

Gastric xanthomas. Pieterse AS, et al. **Pathology** 1985 Jul; 17(3):455–7

Xanthogranuloma of the fourth ventricle—a case report. Wang PY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Dec; 84(12):1386–90

Xanthogranulomatous malignant fibrous histiocytoma arising from posterior mediastinum. Natsuaki M, et al. **Thorax** 1986 Apr;41(4):322–3

[Cutaneo-tendinous xanthomatosis, coronary artery and mitral and aortic valve involvement. Anatomo-clinical study of a case] Dezellus P, et al. **Rev Med Interne** 1985 Oct;6(4):427–32 **(Fre)**

[Lipid islands in the esophagus] Stolte M, et al. **Leber Magen Darm** 1985 Jul;15(4):137–9 (Eng. Abstr.) **(Ger)**

[A rare lesion of the gastric mucosa: xanthomatosis] Cavallo G, et al. **Chir Patol Sper** 1983 Oct;31(5):215–26 (Eng. Abstr.) **(Ita)**

[Joint lesions in xanthomatosis patients] Krasovskaia NI, et al. **Revmatologiia (Moskva)** 1985 Apr–Jun;(2):33–5 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Radiographic and CT appearance of intraosseous xanthoma mimicking a malignant lesion. Fink IJ, et al. **Br J Radiol** 1985 Mar;58(687):262–4

Case report 365: Erdheim-Chester disease. Freyschmidt J, et al. **Skeletal Radiol** 1986;15(4):316–22

[Xanthogranulomatous cholecystitis. X-ray computed tomographic study of a pseudotumoral form] Delamarre J, et al. **Gastroenterol Clin Biol** 1985 Oct;9(10):732–7 (Eng. Abstr.) **(Fre)**

[Retroperitoneal xanthogranuloma. Pelvic localization] Ballesteros JJ, et al. **Actas Urol Esp** 1985 Jul–Aug; 9(4):355–60 (Eng. Abstr.) **(Spa)**

SURGERY

Meningocele communicating to the lower eyelid discovered during removal of xanthelasmata. Jensen CH, et al. **Br J Plast Surg** 1986 Apr;39(2):257–9

[Xanthoma disseminatum. Apropos of a new case] Dionyssopoulos A, et al. **Ann Chir Plast Esthet** 1985; 30(4):345–50 (Eng. Abstr.) **(Fre)**

[Xanthomas of the Achilles tendon. Long-term results following total and partial resection] Schilling W, et al. **Z Orthop** 1986 Mar–Apr;124(2):225–7 (Eng. Abstr.) **(Ger)**

[Cerebellopontine angle xanthogranuloma: report of a surgical case] Katsuta Y, et al. **No Shinkei Geka** 1986 May; 14(6):803–7 (Eng. Abstr.) **(Jpn)**

VETERINARY

Xanthomatous keratitis, disseminated xanthomatosis, and atherosclerosis in Cuban tree frogs. Carpenter JL, et al. **Vet Pathol** 1986 May;23(3):337–9

XANTHOMONAS

ENZYMOLOGY

Purification and characterization of ascamycin-hydrolysing aminopeptidase from Xanthomonas citri. Osada H, et al. **Biochem J** 1986 Jan 15;233(2):459–63

Occurrence of an ascamycin dealanylating enzyme, Xc-aminopeptidase, in mammalian cell membranes and susceptibility to ascamycin. Osada H, et al. **J Antibiot (Tokyo)** 1986 Feb;39(2):286–93

METABOLISM

Formation of halogenated aryl-polyene (xanthomonadin) pigments by the type and other yellow-pigmented strains of Xanthomonas maltophilia. Jenkins CL, et al. **Ann Inst Pasteur Microbiol** 1985 Nov-Dec;136B(3):257–64

Cephabacin M1–6, new 7-methoxycephem antibiotics of bacterial origin. I. A producing organism, fermentation, biological activities, and mode of action. Nozaki Y, et al. **J Antibiot (Tokyo)** 1985 Sep;38(9):1141–51

XANTHOPHYLL

METABOLISM

Evidence for differential absorption of zeacarotene, cryptoxanthin, and lutein in young broiler chickens. Tyczkowski JK, et al. **Poult Sci** 1986 Jun;65(6):1137–40

Lutein as a model dihydroxycarotenoid for the study of pigmentation in chickens. Tyczkowski JK, et al. **Poult Sci** 1986 Jun;65(6):1141–5

PHARMACODYNAMICS

Effect of lutein on the transport of Ca2+ across phospholipid bilayer and mitochondrial membrane. Chaturvedi VK, et al. **Biochem Int** 1986 Feb;12(2):373–7

XANTHOTOXIN see METHOXSALEN

XANTHURENATES

URINE

Xanthurenic acid flow in 24-hour urine following L-tryptophan loading in depressive patients. Maes M, et al. **Acta Psychiatr Belg** 1986 Mar-Apr;86(2):120–30

XENOGRAFT see **TRANSPLANTATION, HETEROLOGOUS**

XENOGRAFT BIOPROSTHESIS see **BIOPROSTHESIS**

XENON

DIAGNOSTIC USE

Potential hazards of xenon inhalation [editorial] Winkler S, et al. **AJNR** 1985 Nov–Dec;6(6):974–5

Simultaneous measurements of cerebral blood flow by the xenon/CT method and the microsphere method. A comparison. Gur D, et al. **Invest Radiol** 1985 Oct; 20(7):672–7

A simple disposal method for radioactive xenon [letter] Burch WM. **J Nucl Med** 1986 Aug;27(8):1374

Central herniation revealed by focal decrease in blood flow without elevation of intracranial pressure: a case report. Wozney P, et al. **Neurosurgery** 1985 Oct;17(4):641–4

Studies of paranasal sinus ventilation by xenon-enhanced dynamic CT. Rettinger G, et al. **Rhinology** 1986 Jun; 24(2):103–12

Measurement of cerebral blood flow during xenon inhalation as measured by the microspheres method. Gur D, et al. **Stroke** 1985 Sep–Oct;16(5):871–4

[Experience with the inhalation of a 33% xenon–(stable–)oxygen mixture in relation to a new method of measuring local cerebral circulation] Kohmura E, et al. **ROFO** 1986 May;144(5):531–6 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Effects of xenon inhalation on cerebral blood flow: relevance to humans of reported effects in the rat. Yonas H, et al. **J Cereb Blood Flow Metab** 1985 Dec;5(4):613–5

XENON RADIOISOTOPES

Effects of selected materials and geometries on the beta dose equivalent rate in a tissue equivalent phantom immersed in infinite clouds of 133Xe. Piltingsrud HV, et al. **Health Phys** 1986 Jun;50(6):809–21

DIAGNOSTIC USE

A comparison between the 133Xe washout and laser Doppler techniques for estimation of nasal mucosal blood flow in humans. Olsson P. **Acta Otolaryngol (Stockh)** 1986 Jul–Aug; 102(1–2):106–12

133Xe radiospirometry in prediction of ventilatory function and vital capacity after pneumonectomy in patients with an endobronchial tumour. Veneskoski T, et al. **Ann Chir Gynaecol** 1985;74(6):256–60

Reference values of regional ventilation, lung volumes and perfusion assessed by using an automated multidetector 133–Xe radiospirometer. Sovijärvi AR, et al. **Ann Clin Res** 1986;18(3):160–6

Skin blood flow measurement with xenon–133 to predict healing of lower extremity amputations. Harris JP, et al. **Aust NZ J Surg** 1986 May;56(5):413–5

Nuclear medicine evaluation of focal fatty infiltration of the liver. Baker MK, et al. **Clin Nucl Med** 1986 Jul;11(7):503–6

Bone marrow uptake of xenon–133. Gordon L, et al. **Clin Nucl Med** 1985 Dec;10(12):891

Profound xenon–133 trapping in left main bronchus. Obstruction by necrotic tumor. Hartshorne MF, et al. **Clin Nucl Med** 1986 Jul;11(7):525–6

Mismatch between iodine–123 and xenon–133 SPECT rCBF measurement. Steinling M, et al. **Clin Nucl Med** 1986 Jan; 11(1):13–4

The clearance of Xenon–133 following its parenchymal injection: a rapid method for estimating functional liver blood–flow. Jenkins SA, et al. **Clin Physiol** 1985 Oct; 5(5):433–42

A 133–xenon inhalation system for cerebral blood–flow measurements in ventilated premature babies. Lipp–Zwahlen AE, et al. **Eur J Nucl Med** 1986;12(1):27–30

Comparison of quantitative autoradiographic and xenon–133 clearance methods: correlation of gray and white matter cerebral blood flow with compartmental blood flow indices. Tuor UI, et al. **J Cereb Blood Flow Metab** 1986 Aug;6(4):481–5

Dynamic SPECT with Xe–133: regional cerebral blood flow in patients with unilateral cerebrovascular disease: concise communication. Buell U, et al. **J Nucl Med** 1984 Apr; 25(4):441–6

Gated xenon scans for right ventricular function. Martin W, et al. **J Nucl Med** 1986 May;27(5):609–15

Regional comparison of technetium–99m DTPA aerosol and radioactive gas ventilation (xenon and krypton) studies in patients with suspected pulmonary embolism. Ramanna L, et al. **J Nucl Med** 1986 Sep;27(9):1391–6

Prediction of lung cancer spread and functional resectability by 133Xe radiospirometry. Nakahara K, et al. **Jpn J Surg** 1985 Jul;15(4):254–9

Cerebral blood flow tomography by single photon emission computerized tomography using 133Xe in cerebrovascular disease. Lassen NA, et al. **Monogr Atheroscler** 1986; 14:71–82

Use of the xenon–133 washout technique in diagnosing renovascular disease in hypertension. de Leeuw PW, et al. **Nephron** 1986;44 Suppl 1:5–7

Cerebral blood flow tomography with xenon–133. Lassen NA. **Semin Nucl Med** 1985 Oct;15(4):347–56

Regional cerebral blood flow utilizing the gamma camera and xenon inhalation: reproducibility and clinical applications. Fox RA, et al. **Stroke** 1985 Nov–Dec; 16(6):1010–5

Comparison of external lung monitoring with end–tidal air detection using the 133xenon inhalation method. Hazelrig JB, et al. **Stroke** 1985 Nov–Dec;16(6):964–8

[Measurement of local cerebral blood flow with gamma emission tomography: normal values and quantified criteria for interpretation] Steinling M, et al. **Ann Radiol (Paris)** 1986;29(1):7–12 (Eng. Abstr.) **(Fre)**

[Cerebral blood flow in 20 depressed adolescents] Chabrol H, et al. **Encephale** 1985 Sep–Oct;11(5):207–8 (Eng. Abstr.) **(Fre)**

[Determination of right ventricular ejection fraction (RVEF) with 133Xenon in children with heart diseases using the single probe method] Gottschild D, et al. **Radiol Diagn (Berl)** 1985;26(4):547–51 (Eng. Abstr.) **(Ger)**

[Back–ground correction and selection of ventilation indexes in xenon gas ventilation studies] Ebina A, et al. **Kaku Igaku** 1986 Feb;23(2):135–43 (Eng. Abstr.) **(Jpn)**

[Matrix size and ventilation indexes for generating functional images by single–breath washout with xenon gas] Ebina A, et al. **Kaku Igaku** 1985 Jul;22(7):971–80 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of cerebral perfusion imaging with 123I–IMP in the patients with cerebrovascular disease—a comparison with 133Xe and X–CT] Hoshi H, et al. **Kaku Igaku** 1985 Oct;22(10):1485–93 (Eng. Abstr.) **(Jpn)**

[An improved method for the multiple compartment analysis of the inspired gas distribution by Xe–133 washout test] Kageyama H, et al. **Kaku Igaku** 1985 Oct;22(10):1521–8 (Eng. Abstr.) **(Jpn)**

[Energy spectrum of Xe–133 and the effect of window level setting on the performance of the ring–type SPECT] Komatani A, et al. **Kaku Igaku** 1985 Nov;22(11):1695–8 **(Jpn)**

[Development of high sensitivity slant hole collimator for measurement of rCBF by intravenous Xe–133 injection] Nakamura Y, et al. **Kaku Igaku** 1986 Feb;23(2):97–104 (Eng. Abstr.) **(Jpn)**

[Assessment of regional cerebral blood flow (rCBF) in cerebrovascular disease using SPECT and N–isopropyl–p–[123I] iodoamphetamine (IMP): comparison with IMP hemispheric uptake count and mean CBF by 133Xe arterial infusion method] Seto H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1985 Aug 25; 45(8):1135–41 (Eng. Abstr.) **(Jpn)**

[Background correction in inhalation scintigraphy of the lungs using 133Xe] Davidzon GS, et al. **Med Radiol (Mosk)** 1986 Aug;31(8):38–40 (Eng. Abstr.) **(Rus)**

[Gas exchange in the bronchopulmonary system during inhalation of 133Xe by patients with chronic nonspecific lung diseases] Sabirov R. **Med Radiol (Mosk)** 1986 Jun; 31(6):29–32 (Eng. Abstr.) **(Rus)**

[Gas radionuclide myelography in assessing patency of the subarachnoid space of the spinal cord] Dzhuzha DA. **Zh Vopr Neirokhir** 1985 Nov–Dec;(6):39–43 (Eng. Abstr.) **(Rus)**

METABOLISM

Dihydralazine infusion effects [letter] Merrell DA, et al. **Obstet Gynecol** 1986 Mar;67(3):455–6

The double isotope technique for in vivo determination of the tissue–to–blood partition coefficient for xenon in human subcutaneous adipose tissue—an evaluation. Jelnes R, et al. **Scand J Clin Lab Invest** 1985 Oct;45(6):565–8

XENOPUS

EMBRYOLOGY

Dynamics of intracellular structure and cell determination during early development. Ubbels GA, et al. **Acta Histochem [Suppl] (Jena)** 1986;32:11–9 (29 ref.)

Effects of various ammonium salts, amines, polyamines and alpha–methylornithine on rRNA synthesis in neurula cells of Xenopus laevis and Xenopus borealis. Shiokawa K, et al. **Cell Differ** 1986 Mar;18(2):101–8

Cell interactions and the control of gene activity during early development of Xenopus laevis. Sargent TD, et al. **Dev Biol** 1986 Mar;114(1):238–46

Biochemical specificity of Xenopus notochord. Smith JC, et al. **Differentiation** 1985;29(2):109–15

The system specifying body position in the early development of Xenopus, and its response to early perturbations. Cooke J. **J Embryol Exp Morphol** 1985 Nov;89 Suppl:69–87

Actin genes in Xenopus and their developmental control. Gurdon JB, et al. **J Embryol Exp Morphol** 1985 Nov;89 Suppl:125–36

Distribution of nuclear proteins during maturation of the Xenopus oocyte. Hausen P, et al. **J Embryol Exp Morphol** 1985 Nov;89 Suppl:17–34

The cytoskeleton of Xenopus oocytes and its role in development. Wylie CC, et al. **J Embryol Exp Morphol** 1985 Nov;89 Suppl:1–15

Anatomical and physiological development of the Xenopus embryonic motor system in the absence of neural activity. Haverkamp LJ. **J Neurosci** 1986 May;6(5):1338–48

A reinvestigation of the process of grey crescent formation in Xenopus eggs. Vincent JP, et al. **Prog Clin Biol Res** 1986;217B:349–52

Analysis of the activity of DNA, RNA, and protein synthesis inhibitors on Xenopus embryo development. Courchesne CL, et al. **Teratogenesis Carcinog Mutagen** 1985;5(3):177–93

GENETICS

The Xenopus homeo boxes. DeRobertis EM, et al. **Cold Spring Harbor Symp Quant Biol** 1985;50:271–5

Vitellogenin genes and their products in closely and distantly related species of Xenopus. Baker BS, et al. **Comp Biochem Physiol [B]** 1985;82(3):497–505

Studies on the Xenopus major histocompatibility complex. Flajnik MF, et al. **Dev Comp Immunol** 1985 Fall;9(4):777–81

Intracellular pH and ribosomal protein S6 phosphorylation: role in translational control in Xenopus oocytes. Taylor MA, et al. **J Embryol Exp Morphol** 1985 Nov;89 Suppl:35–51

GROWTH & DEVELOPMENT

Development of retinal central projection in Xenopus tadpoles. Fujisawa H, et al. **Prog Clin Biol Res** 1986; 217B:109–12

IMMUNOLOGY

Lethal graft–versus–host reaction induced by parental cells in the clawed frog, Xenopus laevis. Nakamura T. **Transplantation** 1985 Oct;40(4):393–7

METABOLISM

A mass spectrometric method for the identification of novel peptides in Xenopus laevis skin secretions. Gibson BW, et al. **J Nat Prod** 1986 Jan–Feb;49(1):26–34

PHYSIOLOGY

A comparative study of the membrane potential from before fertilization through early cleavage in two frogs, Rana pipiens and Xenopus laevis. Webb DJ, et al. **Comp Biochem Physiol [A]** 1985;82(1):35–42

Ionic current in Xenopus embryos during neurulation and wound healing. Stump RF, et al. **Prog Clin Biol Res** 1986; 210:223–30

XENOPUS LAEVIS

ANATOMY & HISTOLOGY

Origin and identification of fibers in the cranial nerve IX–X complex of Xenopus laevis: Lucifer Yellow backfills in vitro. Simpson HB, et al. **J Comp Neurol** 1986 Feb 22; 244(4):430–44

Identification of cells immunoreactive to antisera against porcine pancreatic glucagon in the gastro–intestinal tract of Xenopus laevis. Hacker G, et al. **Z Mikrosk Anat Forsch** 1985;99(4):663–70

EMBRYOLOGY

Spatial domains within the early Xenopus laevis embryo revealed by in situ hybridization and monoclonal antibodies. Phillips CR, et al. **Acta Histochem [Suppl] (Jena)** 1986;32:21–7

Explanted and implanted notochord of amphibian anuran embryos. Histofluorescence study on the ability to synthesize catecholamines. Godin I. **Anat Embryol (Berl)** 1986;173(3):393–9

Use of the fluorochrome propidium iodide for the identification of Xenopus germ plasm during immunofluorescence studies. Smith RC, et al. **Anat Rec** 1985 Dec;213(4):518–9, 536–7

Development of the ectoderm in Xenopus: tissue specification and the role of cell association and division. Jones EA, et al. **Cell** 1986 Jan 31;44(2):345–55

Observations on the mitochondrial distribution in normal, rotated and cold–treated 2–cell stage embryos of Xenopus laevis. Marinos E. **Cell Differ** 1986 May;18(3):163–71

Pattern of protein synthesis in dissociated embryonic cells of Xenopus laevis whose reaggregation was inhibited by Ca2+–deprivation and by mechanical interference. Shiokawa K, et al. **Cell Differ** 1985 Aug;17(2):125–34

Differential commitment of hemopoietic stem cells localized in distinct compartments of early Xenopus embryos. Katagiri C, et al. **Curr Top Dev Biol** 1986;20:315–23 (23 ref.)

Coordinate expression of ribosomal protein genes during Xenopus development. Baum EZ, et al. **Dev Biol** 1985 Oct; 111(2):488–98

Experimental control of the site of embryonic axis formation in Xenopus laevis eggs centrifuged before first cleavage. Black SD, et al. **Dev Biol** 1985 Apr;108(2):310–24

Induction of neural cell adhesion molecule (NCAM) in Xenopus embryos. Jacobson M, et al. **Dev Biol** 1986 Aug; 116(2):524–31

Major transitions in histone gene expression do not occur during development in Xenopus laevis. Perry M, et al. **Dev Biol** 1986 Aug;116(2):532–8

Androgen–induced myogenesis and chondrogenesis in the larynx of Xenopus laevis. Sassoon D, et al. **Dev Biol** 1986 Jan;113(1):135–40

Kinematics of gray crescent formation in Xenopus eggs: the

displacement of subcortical cytoplasm relative to the egg surface. Vincent JP, et al. **Dev Biol** 1986 Feb; 113(2):484–500

Developmental regulation of a gastrula-specific gene injected into fertilized Xenopus eggs. Krieg PA, et al. **EMBO J** 1985 Dec 16;4(13A):3463–71

Changes in activity of the regulatory glycolytic enzymes and of the pyruvate-dehydrogenase complex during the development of Xenopus laevis. Raddatz E, et al. **Exp Cell Biol** 1986;54(1):53–60

The effect of calcitonin on the prechordal mesoderm, neural plate and neural crest of Xenopus embryos. Burgess AM. **J Anat** 1985 Jan;140 (Pt 1):49–55

Dynamics of the control of body pattern in the development of Xenopus laevis. I. Timing and pattern in the development of dorsoanterior and posterior blastomere pairs, isolated at the 4-cell stage. Cooke J, et al. **J Embryol Exp Morphol** 1985 Aug;88:85–112

Dynamics of the control of body pattern in the development of Xenopus laevis. II. Timing and pattern in the development of single blastomeres (presumptive lateral halves) isolated at the 2-cell stage. Cooke J, et al. **J Embryol Exp Morphol** 1985 Aug;88:113–33

Dynamics of the control of body pattern in the development of Xenopus laevis. III. Timing and pattern after u.v. irradiation of the egg and after excision of presumptive head endo-mesoderm. Cooke J. **J Embryol Exp Morphol** 1985 Aug;88:135–50

Gene expression in Xenopus embryogenesis. Dawid IB, et al. **J Embryol Exp Morphol** 1985 Nov;89 Suppl:113–24

Cytoplasmic localization and chordamesoderm induction in the frog embryo. Gimlich RL. **J Embryol Exp Morphol** 1985 Nov;89 Suppl:89–111

Epidermal development in Xenopus laevis: the definition of a monoclonal antibody to an epidermal marker. Jones EA. **J Embryol Exp Morphol** 1985 Nov;89 Suppl:155–66

The function and mechanism of convergent extension during gastrulation of Xenopus laevis. Keller RE, et al. **J Embryol Exp Morphol** 1985 Nov;89 Suppl:185–209

Chromosome replication in early development of Xenopus laevis. Laskey RA. **J Embryol Exp Morphol** 1985 Nov;89 Suppl:285–96

Myoblasts and notochord influence the orientation of somitic myoblasts from Xenopus laevis. McCaig CD. **J Embryol Exp Morphol** 1986 Apr;93:121–31

Development of the lateral line system in Xenopus laevis. III. Development of the supraorbital system in triploid embryos and larvae. Winklbauer R, et al. **J Embryol Exp Morphol** 1985 Aug;88:183–92

Development of the lateral line system in Xenopus laevis. IV. Pattern formation in the supraorbital system. Winklbauer R, et al. **J Embryol Exp Morphol** 1985 Aug; 88:193–207

Isolation and characterization of sarcomeric actin genes expressed in Xenopus laevis embryos. Stutz F, et al. **J Mol Biol** 1986 Feb 5;187(3):349–61

Behavioral development in the absence of neural activity: effects of chronic immobilization on amphibian embryos. Haverkamp LJ, et al. **J Neurosci** 1986 May;6(5):1332–7

A cDNA clone for a polyadenylated RNA-binding protein of Xenopus laevis oocytes hybridizes to four developmentally regulated mRNAs. Lorenz LJ, et al. **Mol Cell Biol** 1985 Oct;5(10):2697–704

Developmentally regulated cytokeratin gene in Xenopus laevis. Winkles JA, et al. **Mol Cell Biol** 1985 Oct; 5(10):2575–81

Permanent distortion of positional system of Xenopus embryo by brief early perturbation in gravity. Cooke J. **Nature** 1986 Jan 2–8;319(6048):60–3

Response of amphibian egg non-yolk cytoplasm to gravity orientation. Smith RC, et al. **Physiologist** 1985 Dec;28(6 Suppl):S91–2

Replication forks are underrepresented in chromosomal DNA of Xenopus laevis embryos. Gaudette MF, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(16):5953–7

Mapping of neural crest pathways in Xenopus laevis. Krotoski DM, et al. **Prog Clin Biol Res** 1986;217B:29–33

A vital-dye fiber-tracing technique to examine neuronal patterning and pattern regulation in the Xenopus eyebud. O'Rourke NA, et al. **Prog Clin Biol Res** 1986;217B:113–27

Expression of an epidermal antigen used to study tissue induction in the early Xenopus laevis embryo. Akers RM, et al. **Science** 1986 Feb 7;231(4738):613–6

[Regulation of rDNA transcription in Xenopus embryogenesis] Shiokawa K, et al. **Tanpakushitsu Kakusan Koso** 1985 Dec;30(14 Suppl):1534–49 (65 ref.) **(Jpn)**

[Effect of a short-term disturbance of the cell contacts on the mesodermal differentiation of clawed toad embryos] Georgiev PG, et al. **Ontogenez** 1986 May–Jun;17(3):256–62 (Eng. Abstr.) **(Rus)**

[Inductive effect of the eye tissues of adult clawed toads on the gastrula ectoderm] Golubeva ON, et al. **Ontogenez** 1985 Jul–Aug;16(4):389–97 (Eng. Abstr.) **(Rus)**

[Movements of cellular material of the dorsal wall in clawed-toad embryos during gastrulation and neurulation] Petrov KV, et al. **Ontogenez** 1986 Jan–Feb;17(1):78–83 (Eng. Abstr.) **(Rus)**

GENETICS

Spacer promoters are essential for efficient enhancement of X. laevis ribosomal transcription. De Winter RF, et al. **Cell** 1986 Jan 31;44(2):313–8

The role of DNA-mediated transfer of TFIIIA in the concerted gyration and differential activation of the Xenopus 5S RNA genes. Kmiec EB, et al. **Cell** 1986 Apr 25;45(2):209–18

Characterization of three sites of RNA 3' end formation in the Xenopus ribosomal gene spacer. Labhart P, et al. **Cell** 1986 May 9;45(3):431–43

(AT)n is an interspersed repeat in the Xenopus genome. Greaves DR, et al. **EMBO J** 1985 Oct;4(10):2617–26

Nucleotide sequence of the L1 ribosomal protein gene of Xenopus laevis: remarkable sequence homology among introns. Loreni F, et al. **EMBO J** 1985 Dec 16; 4(13A):3483–8

Cosegregation of the polymorphic C4 with the MHC in the frog, Xenopus laevis. Nakamura T, et al. **Immunogenetics** 1986;23(3):181–6

Identification of initiation sites for transcription of Xenopus laevis mitochondrial DNA. Bogenhagen DF, et al. **J Biol Chem** 1986 Jun 25;261(18):8488–94

Mapping of the displacement loop within the nucleotide sequence of Xenopus laevis mitochondrial DNA. Cairns SS, et al. **J Biol Chem** 1986 Jun 25;261(18):8481–7

The Vi element. A transposon-like repeated DNA sequence interspersed in the vitellogenin locus of Xenopus laevis. Schubiger JL, et al. **J Mol Biol** 1985 Dec 5;186(3):491–503

Sequence homology of the yeast regulatory protein ADR1 with Xenopus transcription factor TFIIIA. Hartshorne TA, et al. **Nature** 1986 Mar 20–26;320(6059):283–7

The ribosomal spacer in Xenopus laevis is transcribed as part of the primary ribosomal RNA. De Winter RF, et al. **Nucleic Acids Res** 1986 Aug 11;14(15):6041–51

The effect of capping and polyadenylation on the stability, movement and translation of synthetic messenger RNAs in Xenopus oocytes. Drummond DR, et al. **Nucleic Acids Res** 1985 Oct 25;13(20):7375–94

RecBC, sbcB independent, (AT)n-mediated deletion of sequences flanking a Xenopus laevis beta globin gene on propagation in E. coli. Greaves DR, et al. **Nucleic Acids Res** 1986 May 27;14(10):4147–58

Xenopus ribosomal gene enhancers function when inserted inside the gene they enhance. Labhart P, et al. **Nucleic Acids Res** 1985 Dec 20;13(24):8999–9009

Expression of two proopiomelanocortin genes in the pituitary gland of Xenopus laevis: complete structures of the two preprohormones. Martens GJ. **Nucleic Acids Res** 1986 May 12;14(9):3791–8

Individual Xenopus histone genes are replication-independent in oocytes and replication-dependent in Xenopus or mouse somatic cells. Old RW, et al. **Nucleic Acids Res** 1985 Oct 25; 13(20):7341–58

Analysis of the RNA structural elements involved in the binding of the transcription factor III A from Xenopus laevis. Pieler T, et al. **Nucleic Acids Res** 1986 Aug 11; 14(15):6313–26

Structure of the gene for Xenopus transcription factor TFIIIA. Tso JY, et al. **Nucleic Acids Res** 1986 Mar 11; 14(5):2187–200

Cloning of cDNA and amino acid sequence of a cytokeratin expressed in oocytes of Xenopus laevis. Franz JK, et al. **Proc Natl Acad Sci USA** 1986 Sep;83(17):6475–9

GROWTH & DEVELOPMENT

The development of the dendritic organization of primary and secondary motoneurons in the spinal cord of Xenopus laevis. An HRP study. van Mier P, et al. **Anat Embryol (Berl)** 1985;172(3):311–24

Map formation in the developing Xenopus retinotectal system: an examination of ganglion cell terminal arborizations. Sakaguchi DS, et al. **J Neurosci** 1985 Dec; 5(12):3228–45

Comparative development of end-plate currents in two muscles of Xenopus laevis. Kullberg R, et al. **J Physiol (Lond)** 1986 May;374:413–27

The developmental expression of the gene for TFIIIA in Xenopus laevis. Taylor W, et al. **Nucleic Acids Res** 1986 Aug 11;14(15):6185–95

Development and ciliation of the palate in two frogs, Bombina and Xenopus; a comparative study. LeCluyse EL, et al. **Tissue Cell** 1985;17(6):853–64

IMMUNOLOGY

The development of inducer and effector immune suppressor cell function in Xenopus laevis, the South African clawed toad: the effect of metamorphosis. Kamali DD, et al. **Cell Differ** 1986 Jun;18(4):225–31

Two cellular pathways regulate the response to TNP-Ficoll in Xenopus laevis. Clothier RH, et al. **Dev Comp Immunol** 1986 Spring;10(2):219–33

T cell proliferative responses of Xenopus lymphocyte subpopulations separated on anti-thymocyte monoclonal antibody coupled to sepharose beads. Nagata S. **Dev Comp Immunol** 1986 Spring;10(2):259–64

In vitro induction of anti-SRBC response in dissociated spleen cells of Xenopus laevis. Obara N. **Dev Comp Immunol** 1985 Fall;9(4):739–44

T-lymphocyte regulation of humoral immunity in Xenopus laevis, the South African clawed toad. Ruben LN, et al. **Dev Comp Immunol** 1985 Fall;9(4):811–8

Characterization of the fourth component of complement in the serum of the clawed frog Xenopus laevis. Fujii T, et al. **Immunology** 1985 Dec;56(4):743–50

Analysis of hemopoietic lineage of accessory cells in the developing thymus of Xenopus laevis. Turpen JB, et al. **J Immunol** 1986 Jan;136(2):412–21

METABOLISM

The cellular distribution of histone H5 in embryonic and adult tissues of Xenopus laevis and chicken. Moorman AF, et al. **Acta Histochem [Suppl] (Jena)** 1986;32:105–9

Studies on DNA polymerases of Xenopus laevis oocytes: subcellular distribution and physical association of DNA polymerase alpha inside the nucleus. Solari A, et al. **Biol Cell** 1986;56(1):23–9

Microinjected Tetrahymena rDNA ends are not recognized as telomeres in Xenopus eggs. Berg CA, et al. **J Cell Biol** 1986 Sep;103(3):691–8

A mass spectrometric assay for novel peptides: application to Xenopus laevis skin secretions. Gibson BW, et al. **Peptides** 1985;6 Suppl 3:23–7

Biosynthesis of peptides in the skin of Xenopus laevis: isolation of novel peptides predicted from the sequence of cloned cDNAs. Richter K, et al. **Peptides** 1985;6 Suppl 3:17–21

A direct comparison of the extracellular currents observed in the activating frog egg with the vibrating probe and patch clamp techniques. Kline D. **Prog Clin Biol Res** 1986; 210:189–96

MICROBIOLOGY

An unusual epizootic of anuran aeromoniasis. Frye FL. **J Am Vet Med Assoc** 1985 Dec 1;187(11):1223–4

Diagnostic exercise: death of African clawed frogs. Howerth EW, et al. **Lab Anim Sci** 1986 Jun;36(3):286–7

PHYSIOLOGY

Effects of denervation and delayed amputation on forelimb regeneration in Xenopus laevis froglets. McLaughlin DS, et al. **Anat Rec** 1986 Mar;214(3):289–93

The biosynthesis of biologically active proteins in mRNA-microinjected Xenopus oocytes. Soreq H. **CRC Crit Rev Biochem** 1985;18(3):199–238 (209 ref.)

Secretion of a cytoplasmic lectin from Xenopus laevis skin. Bols NC, et al. **J Cell Biol** 1986 Feb;102(2):492–9

Androgen-induced alterations in vocalizations of female Xenopus laevis: modifiability and constraints. Hannigan P, et al. **J Comp Physiol [A]** 1986 Apr;158(4):517–27

Some primary olfactory axons project to the contralateral olfactory bulb in Xenopus laevis. Ebbesson SO, et al. **Neurosci Lett** 1986 Apr 11;65(2):234–8

[Regenerative capability in the hindlimb of Xenopus laevis during ontogenetic development] Fujikura K, et al. **Jikken Dobutsu** 1985 Oct;34(4):445–58 (Eng. Abstr.) **(Jpn)**

XERODERMA see **ICHTHYOSIS**

XERODERMA PIGMENTOSUM

Oldest patient with xeroderma pigmentosum [letter] Leibovici V, et al. **Plast Reconstr Surg** 1986 May;77(5):860

[Protection of xeroderma pigmentosum patients from solar ultraviolet radiation. Use of plastic films] Sato K, et al. **Nippon Hifuka Gakkai Zasshi** 1985 Aug;95(9):963–7 **(Jpn)**

ANALYSIS

[Automated autoradiographic grain counting of DNA repair in cultured human fibroblasts after ultraviolet irradiation] Sato K, et al. **Radioisotopes** 1985 Nov;34(11):605–11 (Eng. Abstr.) **(Jpn)**

BLOOD

[Spontaneous and induced sister chromatid exchanges in the blood lymphocytes of healthy persons and of xeroderma pigmentosum patients exposed to the inhibitors of DNA repair and replication caffeine, 3-methoxybenzamide and novobiocin] Andriadze MI, et al. **Tsitologiia** 1986 Jan; 28(1):69–85 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Xeroderma pigmentosum with neurological abnormalities. A clinical and neuropathological study. Röyttä M, et al. **Acta Neurol Scand** 1986 Feb;73(2):191–9

Neurological manifestations in xeroderma pigmentosum. Mimaki T, et al. **Ann Neurol** 1986 Jul;20(1):70–5

Gastric adenocarcinoma in a patient with xeroderma pigmentosum [letter] Puig L, et al. **Br J Dermatol** 1985 Nov;113(5):632–3

Neuro-otological abnormalities in xeroderma pigmentosum with particular reference to deafness. Kenyon GS, et al. **Brain** 1985 Sep;108 (Pt 3):771–84

Diabetes mellitus in ataxia-telangiectasia, Fanconi anemia, xeroderma pigmentosum, common variable immune deficiency, and severe combined immune deficiency families. Morrell D, et al. **Diabetes** 1986 Feb;35(2):143–7

DIAGNOSIS

A case of xeroderma pigmentosum group F with late onset of clinical symptoms [letter] Nishigori C, et al. **Arch Dermatol** 1986 May;122(5):510–1

Xeroderma pigmentosum. Kraemer KH, et al. **Clin Dermatol** 1985 Jan–Mar;3(1):33–69

ENZYMOLOGY

Deficiency in the catalase activity of xeroderma pigmentosum cell and simian virus 40-transformed human cell extracts. Vuillaume M, et al. **Cancer Res** 1986 Feb;46(2):538–44

Enhancement of two apurinic/apyrimidinic endonuclease activities from normal but not xeroderma pigmentosum lymphoblastoid cells by nucleosome structure. Kaysen JH, et al. **Mutat Res** 1986 May;165(3):221–31

FAMILIAL & GENETIC

Abnormal sensitivity of human fibroblasts from xeroderma pigmentosum variants to transformation to anchorage independence by ultraviolet radiation. McCormick JJ, et al. **Cancer Res** 1986 Feb;46(2):489–92

Interspecies complementation analysis of xeroderma pigmentosum and UV-sensitive Chinese hamster cells. Stefanini M, et al. **Exp Cell Res** 1985 Dec;161(2):373–80

Defective unscheduled DNA synthesis in primary-cultured keratinocytes in a case of xeroderma pigmentosum. Eguchi K, et al. **J Dermatol (Tokyo)** 1985 Jun;12(3):213–8

Sensitivity to ultraviolet radiation in a dominantly inherited form of xeroderma pigmentosum. Imray FP, et al. **J Med Genet** 1986 Feb;23(1):72–8

Xeroderma pigmentosum groups C and F: additional assignments and a review of the subjects in Japan. Fujiwara Y, et al. **J Radiat Res (Tokyo)** 1985 Dec;26(4):443–9

Isolation and partial characterization of virus-transformed cell lines representing the A, G and variant complementation groups of xeroderma pigmentosum. Barbis DP, et al. **Mutat Res** 1986 May;165(3):175–84

A further definition of characteristics of DNA-excision repair in xeroderma pigmentosum complementation group A strains. Kantor GJ, et al. **Mutat Res** 1986 Jul;166(1):79–88

Excision repair in xeroderma pigmentosum group C but not group D is clustered in a small fraction of the total genome. Karentz D, et al. **Mutat Res** 1986 May;165(3):165–74

Transient correction of excision repair defects in fibroblasts of 9 xeroderma pigmentosum complementation groups by microinjection of crude human cell extracts. Vermeulen W, et al. **Mutat Res** 1986 May;165(3):199–206

Excision repair of UV- or benzo[a]pyrene diol epoxide-induced lesions in xeroderma pigmentosum variant cells is 'error free'. Watanabe M, et al. **Mutat Res** 1985 Nov;146(3):285–94

Microinjection of Escherichia coli UvrA, B, C and D proteins into fibroblasts of xeroderma pigmentosum complementation groups A and C does not result in restoration of UV-induced unscheduled DNA synthesis. Zwetsloot JC, et al. **Mutat Res** 1986 Jul;166(1):89–98

Unscheduled DNA synthesis in xeroderma pigmentosum cells after microinjection of yeast photoreactivating enzyme. Zwetsloot JC, et al. **Mutat Res** 1986 Mar; 165(2):109–15

DNA excision repair in the very UV-sensitive xeroderma pigmentosum complementation group A strain XP4LO. Sullivan JK, et al. **Photochem Photobiol** 1986 Apr; 43(4):429–36

Heterogeneity of xeroderma pigmentosum (XP); variability and stability within and between the complementation groups C, D, E, I and variants. Jung EG, et al. **Photodermatol** 1986 Jun;3(3):125–32

One pyrimidine dimer inactivates expression of a transfected gene in xeroderma pigmentosum cells. Protić-Sabljić M, et al. **Proc Natl Acad Sci USA** 1985 Oct;82(19):6622–6

Microinjection of partially purified protein factor restores DNA damage specifically in group A of xeroderma pigmentosum cells. Yamaizumi M, et al. **Proc Natl Acad Sci USA** 1986 Mar;83(5):1476–9

Repair of gamma-ray-induced DNA base damage in xeroderma pigmentosum cells. Fornace AJ Jr, et al. **Radiat Res** 1986 Apr;106(1):73–7

Immortalization of xeroderma pigmentosum cells by simian virus 40 DNA having a defective origin of DNA replication. Canaani D, et al. **Somatic Cell Mol Genet** 1986 Jan;12(1):13–20

Studies on gene transfer and reversion to UV resistance in xeroderma pigmentosum cells. Schultz RA, et al. **Somatic Cell Mol Genet** 1985 Nov;11(6):617–24

[Variant-type xeroderma pigmentosum] Oliel V, et al. **Ann Dermatol Venereol** 1986;113(2):143–6 (Fre)

[Genetic factors in carcinogenesis] Takebe H. **Gan To Kagaku Ryoho** 1986 Mar;13(3 Pt 2):639–44 (Eng. Abstr.) (Jpn)

[Recent advances in the study of genophotodermatoses] Ichihashi M. **Nippon Hifuka Gakkai Zasshi** 1985 Oct;95(12 Suppl):1262–6 (26 ref.) (Jpn)

IMMUNOLOGY

Immunologic alterations in xeroderma pigmentosum patients. Wysenbeek AJ, et al. **Cancer** 1986 Jul 15;58(2):219–21

PATHOLOGY

Xeroderma pigmentosum in Qatar. Fathy S, et al. **Cutis** 1986 May;37(5):377–9

Xeroderma pigmentosum D-HeLa hybrids with low and high ultraviolet sensitivity associated with normal and diminished DNA repair ability, respectively. Johnson RT, et al. **J Cell Sci** 1985 Jun;76:115–33

[Clinical and photobiological characteristics of xeroderma pigmentosum complementation group E] Ichihashi M, et al. **Nippon Hifuka Gakkai Zasshi** 1985 Jun;95(7):721–9 (Jpn)

[Case of xeroderma pigmentosum] Belukha UK, et al. **Vestn Dermatol Venerol** 1986;(5):41 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Comparative studies of host-cell reactivation, cellular capacity and enhanced reactivation of herpes simplex virus in normal, xeroderma pigmentosum and Cockayne syndrome fibroblasts. Ryan DK, et al. **Mutat Res** 1986 Jul; 166(1):99–111

RADIOGRAPHY

[Cranial computed tomography of xeroderma pigmentosum] Harada K, et al. **Rinsho Hoshasen** 1986 Jan;31(1):11–4 (Eng. Abstr.) (Jpn)

SURGERY

Xeroderma pigmentosum: oldest survivor? [letter] Montandon D. **Plast Reconstr Surg** 1985 Nov;76(5):797–8

XEROMAMMOGRAPHY see under MAMMOGRAPHY

XEROPHTHALMIA

CHEMICALLY INDUCED

Dry eyes: a late effect of topical steroids. Jain IS, et al. **Indian J Ophthalmol** 1985 Jan–Feb;33(1):33–5

[Lacrimal hyposecretion in patients under antidepressive treatment] Baserer T, et al. **Bull Soc Ophtalmol Fr** 1985 Mar;85(3):307–8 (Fre)

[Dry eye syndromes] Laroche L. **Bull Soc Ophtalmol Fr** 1985 Nov;Spec No:147–66 (Fre)

COMPLICATIONS

Contact lenses and the dry-eye patient. Lemp MA. **Int Ophthalmol Clin** 1986 Spring;26(1):63–71

Nutritional blindness—xerophthalmia. Taylor J. **Trop Doct** 1985 Oct;15(4):180–2

DIAGNOSIS

Effect of meibomian oils on Schirmer tear test. Pandher KS, et al. **Acta Ophthalmol (Copenh)** 1985 Dec;63(6):695–7

Detection of early xerophthalmia by impression cytology. Wittpenn JR, et al. **Arch Ophthalmol** 1986 Feb;104(2):237–9

[Value of the vital dye rose Bengal as an aid in the diagnosis of conjunctival xerosis in trial tests] Wilson D, et al. **Rev Saude Publica** 1985 Aug;19(4):321–35 (Eng. Abstr.) (Por)

DRUG THERAPY

Effect of sodium hyaluronate (0.1%) on break-up time (NIBUT) in patients with dry eyes. Mengher LS, et al. **Br J Ophthalmol** 1986 Jun;70(6):442–7

The efficacy of retinoic acid ointment for treatment of xerophthalmia and corneal epithelial wounds. Ubels JL, et al. **Curr Eye Res** 1985 Oct;4(10):1049–57

Management of the dry eye. **Drug Ther Bull** 1985 Oct 21; 23(21):81–2

[The treatment of dry eye with Lacrisert] Cordonnier M, et al. **Bull Soc Belge Ophtalmol** 1984–85;212:65–9 (Eng. Abstr.) (Fre)

[Instillation of 0.1% hyaluronic acid in severe keratitis sicca (letter)] Tabatabay C. **J Fr Ophtalmol** 1985;8(6–7):513 (Fre)

[Comparative study with physiologic serum, eledoisin and bromhexine in the treatment of dry eye syndromes] Vergés Roger C, et al. **Med Clin (Barc)** 1985 Sep 28;85(9):347–9 (Eng. Abstr.) (Spa)

ETIOLOGY

A prospective evaluation of 118 patients with the fibromyalgia syndrome: prevalence of Raynaud's phenomenon, sicca symptoms, ANA, low complement, and Ig deposition at the dermal–epidermal junction. Dinerman H, et al. **J Rheumatol** 1986 Apr;13(2):368–73

[Ocular sequelae and sicca syndrome following Lyell's syndrome] Roujeau JC, et al. **Ann Dermatol Venereol** 1985; 112(11):883–8 (Eng. Abstr.) (Fre)

MICROBIOLOGY

Bacteriology and tear protein profiles of the dry eye. Seal DV, et al. **Br J Ophthalmol** 1986 Feb;70(2):122–5

OCCURRENCE

Prevalence and severity of xerophthalmia in southern Malawi. Tielsch JM, et al. **Am J Epidemiol** 1986 Oct; 124(4):561–8

Xerophthalmia in rural and urban 'Anganwadi children'. Sharma SP, et al. **Indian J Ophthalmol** 1984 Sep–Oct; 32(5):335–7

Epidemiological survey for prevalence of xerophthalmia. Indirabai K, et al. **Indian Pediatr** 1986 Feb;23(2):135–9

PATHOLOGY

Early detection of xerophthalmia by impression cytology [letter] Caccamise WC. **Arch Ophthalmol** 1986 Jul; 104(7):970–2

PHYSIOPATHOLOGY

Duke-Elder lecture. Prospects for the dry eye. Bron AJ. **Trans Ophthalmol Soc UK** 1985;104 (Pt 8):801–26 (145 ref.)

PREVENTION & CONTROL

Xerophthalmia Programme of the Royal Commonwealth Society for the Blind [editorial] Indirabai K. **Indian Pediatr** 1986 Feb;23(2):83–4

Fall and rise of the anti-infective vitamin [editorial] **Lancet** 1986 May 24;1(8491):1191

The WHO programme of prevention and control of vitamin A deficiency, xerophthalmia and nutritional blindness. DeMaeyer EM. **Nutr Health** 1986;4(2):105–12

THERAPY

An improved method for the delivery of artificial tears using an infusion pump. Karesh JW, et al. **Invest Ophthalmol Vis Sci** 1986 Aug;27(8):1284–8

XERORADIOGRAPHY

Confirmation of xeroradiography as an important postmortem fetal diagnostic technique [letter] Graham JM Jr, et al. **Am J Obstet Gynecol** 1985 Oct 1;153(3):347

Nonmetallic foreign bodies in the foot: radiography versus xeroradiography. Charney DB, et al. **J Foot Surg** 1986 Jan–Feb;25(1):44–9

Xeroradiography as an aid in planning resection of arteriovenous malformation of the upper extremities. Cabbabe EB. **J Hand Surg [Am]** 1985 Sep;10(5):670–4

A cost analysis comparing xeroradiography to film technics for intraoral radiography. Gratt BM, et al. **J Public Health Dent** 1986 Spring;46(2):96–105

Xeroradiography and ultrasonography in the evaluation of a penile injury. Oesterling JE, et al. **J Urol** 1986 Apr; 135(4):791–3

Radiographic quality control measurements comparing D-speed film, E-speed film, and xeroradiography. Diehl R, et al. **Oral Surg Oral Med Oral Pathol** 1986 Jun; 61(6):635–40

The echogenic focus in prostatic sonograms, with xeroradiographic and histopathologic correlation. Dähnert WF, et al. **Radiology** 1986 Apr;159(1):95–100

[Assessment of the diagnostic quality of radiography, xerography and computerized bone mineralometry in cases of osteoporosis] Ottolenghi G, et al. **Minerva Med** 1986 May 19;77(21):933–41 (Eng. Abstr.) (Ita)

[Role of traditional radiography and xeroradiography in the study of tumefactions of soft tissues] Carrata A, et al. **Radiol Med (Torino)** 1984 Nov;70(11):873–6 (Ita)

[Transvenous xeroangiography of arteriovenous fistulas of patients undergoing periodic hemodialysis] Toti A, et al. **Radiol Med (Torino)** 1985 Oct;71(10):643–8 (Eng. Abstr.) (Ita)

[Potentials of xeroradiography in examining the locomotor apparatus] Moiseeva KN, et al. **Ortop Travmatol Protez** 1985 Dec;(12):51–3 (Rus)

INSTRUMENTATION

[Device for replenishing the fixative unit in electroroentgenographic equipment] Katsenelenbogen AM, et al. **Med Tekh** 1986 Jan–Feb;(1):53–4 (Rus)

[Attachment for spot electroroentgenography] Katsenelenbogen AM, et al. **Vestn Rentgenol Radiol** 1986 May–Jun;(3):88–9 (Rus)

METHODS

Comparison of dental xeroradiography and conventional film techniques for the frequency and significance of image artifacts. Gratt BM, et al. **Oral Surg Oral Med Oral Pathol** 1985 Nov;60(5):546–52

Comparison of conventional dental radiographs and xeroradiographs using perceptibility curves. Miles DA, et al. **Oral Surg Oral Med Oral Pathol** 1986 Jul;62(1):92–5

[Possibilities of indirect electroroentgenolymphography of the mediastinum in an experiment] Dragun GN, et al. **Arkh Anat Gistol Embriol** 1986 Jul;91(7):60–3 (Eng. Abstr.) (Rus)

[Method for the thermal fixation of electroroentgenograms] Tiurin EI, et al. **Vestn Rentgenol Radiol** 1986 May–Jun; (3):87–8 (Rus)

VETERINARY

Ancillary diagnostic imaging. Angiography, ultrasonography, scintigraphy, and xeroradiography. Pharr JW. **Vet Clin North Am Food [Food Anim Pract]** 1985 Mar; 1(1):205–12

XEROSTOMIA

CHEMICALLY INDUCED

Prevalence of drugs causing hyposalivation in an institutionalized geriatric population. Handelman SL, et al. **Oral Surg Oral Med Oral Pathol** 1986 Jul;62(1):26–31

[Drug-induced dry mouth] Daelemans M, et al. **Rev Med Brux** 1985 Oct;6(8):575–7 (Eng. Abstr.) **(Fre)**

[Bucco-dental consequences of the epidemic toxic syndrome] Barbería Leache E, et al. **Rev Sanid Hig Publica (Madr)** 1985 Jul–Aug;59(7–8):815–33 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Peripheral neuropathy associated with the sicca syndrome. Kennett RP, et al. **J Neurol Neurosurg Psychiatry** 1986 Jan;49(1):90–2

DIAGNOSIS

Diagnosis of xerostomia: the Beck test [letter] Burda CD. **Arthritis Rheum** 1986 Jul;29(7):936

A quantitative test for xerostomia. The Saxon test, an oral equivalent of the Schirmer test. Kohler PF, et al. **Arthritis Rheum** 1985 Oct;28(10):1128–32

DRUG THERAPY

Pilocarpine used to stimulate normal saliva production. **J Am Dent Assoc** 1985 Aug;111(2):310

Pilocarpine for the treatment of xerostomia associated with salivary gland dysfunction. Fox PC, et al. **Oral Surg Oral Med Oral Pathol** 1986 Mar;61(3):243–8

ETIOLOGY

Oral side effects of head and neck irradiation: correlation between clinical manifestations and laboratory data. Kuten A, et al. **Int J Radiat Oncol Biol Phys** 1986 Mar;12(3):401–5

Salivary gland aplasia: an ectodermal disorder? McDonald FG, et al. **J Oral Pathol** 1986 Feb;15(2):115–7

A prospective evaluation of 118 patients with the fibromyalgia syndrome: prevalence of Raynaud's phenomenon, sicca symptoms, ANA, low complement, and Ig deposition at the dermal–epidermal junction. Dinerman H, et al. **J Rheumatol** 1986 Apr;13(2):368–73

[Xerostomia. I. Causes and clinical implications] Vissink A, et al. **Ned Tijdschr Geneeskd** 1985 Oct 19;129(42):2010–3 **(Dut)**

PHYSIOPATHOLOGY

Taste and salivary function. Weiffenbach JM, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(16):6103–6

PREVENTION & CONTROL

Cure dry mouth without causing cavities [letter] Lencioni CI. **Am J Nurs** 1986 Jan;86(1):28

RADIONUCLIDE IMAGING

Salivary scintigraphy: decreased activity. Copely DJ, et al. **Semin Nucl Med** 1986 Jul;16(3):220–1

SURGERY

Xerostomia. A treatment feasibility study in dogs. Rice DH, et al. **Arch Otolaryngol Head Neck Surg** 1986 Sep; 112(9):976–7

THERAPY

A double-blind crossover trial of CMC- and mucin-containing saliva substitutes. Visch LL, et al. **Int J Oral Maxillofac Surg** 1986 Aug;15(4):395–400

Construction of an artificial saliva reservoir in an existing maxillery denture. Vissink A, et al. **J Prosthet Dent** 1986 Jul;56(1):70–4

[Xerostomia. II. Therapeutic possibilities] Vissink A, et al. **Ned Tijdschr Geneeskd** 1985 Oct 26;129(43):2054–7 **(Dut)**

XIPAMIDE see under **DIURETICS, SULFAMYL**

XIPHOID BONE see under **STERNUM**

XIPHOSURA see **HORSESHOE CRABS**

XYLANS see under **POLYSACCHARIDES**

XYLAZINE see under **THIAZINES**

XYLENES

Neurologic sequelae of chronic solvent vapor abuse. Hormes JT, et al. **Neurology** 1986 May;36(5):698–702

ADVERSE EFFECTS

Contact sensitivity to parachlorometaxylenol (PCMX). Myatt AE, et al. **Clin Exp Dermatol** 1985 Sep;10(5):491–4

Quantitative analysis of urinary glycine conjugates by high performance liquid chromatography: excretion of hippuric acid and methylhippuric acids in the urine of subjects exposed to vapours of toluene and xylenes. Ogata M, et al. **Int Arch Occup Environ Health** 1986;58(2):121–9

Electrocardiography electrode and hand dermatitis from parachlorometaxylenol. Ranchoff RE, et al. **J Am Acad Dermatol** 1986 Aug;15(2 Pt 2):348–50

[Hematological indicators of peripheral blood in workers occupationally exposed to benzene, toluene and xylene] Moszczyński P, et al. **Folia Med Cracov** 1984; 25(3–4):405–19 (Eng. Abstr.) **(Pol)**

ANALYSIS

A simple method of qualitative analysis for musk ambrette, musk ketone and musk xylene in cologne. Goh CL, et al. **Contact Dermatitis** 1986 Jan;14(1):53–6

Simultaneous determination of phenol, cresols and xylenols in workplace air, using a polystyrene–divinylbenzene column and electrochemical detection. Nieminen E, et al. **J Chromatogr** 1986 Jun 6;360(1):271–8

Correlation of xylene exposure and methyl hippuric acid excretion in urine among paint industry workers. Lundberg I, et al. **Scand J Work Environ Health** 1986 Apr; 12(2):149–53

ISOLATION & PURIFICATION

Separation of nitromusks by capillary gas chromatography. Spanedda L, et al. **J Chromatogr** 1986 Jul 18;362(2):278–80

METABOLISM

Disposition of 1-[14C]phenyl-1-(3,4-dimethyl) phenylethane, a component of some PCB replacement materials, following intravenous administration to the thorny skate, Raja radiata. Rochefort-Johnson SM, et al. **Comp Biochem Physiol [C]** 1986;83(2):325–7

Evolutionary conservation of genes coding for meta pathway enzymes within TOL plasmids pWW0 and pWW53. Keil H, et al. **J Bacteriol** 1985 Nov;164(2):887–95

Rat lung and liver cytochrome P-450 isozymes involved in the hydroxylation of m-xylene. Toftgård R, et al. **Toxicology** 1986 Jun;39(3):225–31

[Detection of stress caused by the solvent xylene in physical activity] Bergert KD, et al. **Z Gesamte Hyg** 1985 Nov; 31(11):634–6 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Changes in the sense of balance correlate with concentrations of m-xylene in venous blood. Savolainen K, et al. **Br J Ind Med** 1985 Nov;42(11):765–9

The efficacy of several new handwashing agents for removing non-transient bacterial flora from hands. Morrison AJ Jr, et al. **Infect Control** 1986 May;7(5):268–72

The antiseptic efficacy of chlorxylenol-containing vs. chlorhexidine gluconate-containing surgical scrub preparations. Soulsby ME, et al. **Infect Control** 1986 Apr; 7(4):223–6

Xylene induced feeding and drinking behavior and central adrenergic receptor binding. Rank J. **Neurobehav Toxicol Teratol** 1985 Sep–Oct;7(5):421–6

Enzymes of neutrophils in workers occupationally exposed to benzene, toluene and xylene. Moszczyński P, et al. **Rev Esp Oncol** 1984;31(3):435–41

TOXICITY

Conversely exposure-related effects between atmospheric m-xylene concentrations and human body sense of balance. Savolainen K, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Aug;57(2):67–71

Neurobehavioral and respiratory symptoms of formaldehyde and xylene exposure in histology technicians. Kilburn KH, et al. **Arch Environ Health** 1985 Jul–Aug;40(4):229–33

Effects of ethylbenzene, toluene, and xylene on the induction of micronuclei in bone marrow polychromatic erythrocytes of mice. Mohtashamipur E, et al. **Arch Toxicol** 1985 Dec; 58(2):106–9

Developmental effects associated with exposure to xylene: a review. Hood RD, et al. **Drug Chem Toxicol** 1985; 8(4):281–97 (21 ref.)

Ecotoxicological profile of xylenes. Working Party on Ecotoxicological Profiles of Chemicals. Jori A, et al. **Ecotoxicol Environ Safety** 1986 Feb;11(1):44–80

Lung metabolism of benzo[a]pyrene in rats treated with p-xylene and/or ethanol. Roberts AE, et al. **J Toxicol Environ Health** 1986;18(2):257–66

Recent findings on the genetic toxicology of benzene, toluene, xylenes and phenols. Dean BJ. **Mutat Res** 1985 Nov;154(3):153–81 (133 ref.)

The developmental toxicity of xylene and xylene isomers in the Hydra assay. Johnson EM, et al. **Toxicol Appl Pharmacol** 1986 Feb;82(2):323–8

A comparative study of the effects of benzene, toluene, and xylenes on their in vitro metabolism and drug-metabolizing enzymes in rat liver. Pathiratne A, et al. **Toxicol Appl Pharmacol** 1986 Feb;82(2):272–80

[Biochemical pulmonary research in experimental exposure to xylene and noise] Mikhallova A, et al. **Probl Khig** 1985; 10:88–93 (Eng. Abstr.) **(Bul)**

[Stress to the organism caused by the solvent xylene] Bergert KD, et al. **Z Gesamte Hyg** 1985 Nov;31(11):637–40 (Eng. Abstr.) **(Ger)**

[Toxicity of 1,4-bis(trichloromethyl)benzene—a new rubber chemical] Schmidt P, et al. **Z Gesamte Hyg** 1986 Feb; 32(2):107–8 (Eng. Abstr.) **(Ger)**

[Experimental substantiation of the maximum permissible level of hexachloroparaxylol in reservoir water] Deviatka DG, et al. **Gig Sanit** 1986 May;(5):62 **(Rus)**

URINE

Separation and determination of phenol, alpha-naphthol m- and p-, o-cresols and 2,5-xylenol, and catechol in the urine after mixed exposure to phenol, naphthalene, cresols, and xylenols. Bieniek G, et al. **Br J Ind Med** 1986 Aug; 43(8):570–1

XYLITOL

Biochemical, microbiologic, and clinical comparisons between two dentifrices that contain different mixtures of sugar alcohols. Makinen KK, et al. **J Am Dent Assoc** 1985 Nov;111(5):745–51

ADMINISTRATION & DOSAGE

Urinary excretion of calcium and oxalate in xylitol-treated rats. A short communication. Salminen S, et al. **Int J Vitam Nutr Res [Suppl]** 1985;28:65–8

ADVERSE EFFECTS

Effect of high oral doses of xylitol versus sucrose on urinary risk factors of urolithiasis in man. Bär A. **Int J Vitam Nutr Res [Suppl]** 1985;28:91–118

[Renal failure after infusion of sugar substitutes (letter)] Rosenstiel K. **Dtsch Med Wochenschr** 1986 Aug 29; 111(35):1340–1 **(Ger)**

METABOLISM

An evaluation of biochemical aspects of intravenous fructose, sorbitol and xylitol administration in man. Sestoft L. **Acta Anaesthesiol Scand [Suppl]** 1985;82:19–29 (106 ref.)

Xylitol metabolism in xylitol-sensitive and xylitol-resistant strains of streptococci. Assev S, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1986 Aug; 94(4):239–43

Conversion of [U-13C]xylitol and D-[U-13C]glucose into urinary [1,2-13C]glycollate and [1,2-13C]oxalate in man. Bär A, et al. **Int J Vitam Nutr Res [Suppl]** 1985;28:119–33

The metabolic production of oxalate from xylitol. Conyers RA, et al. **Int J Vitam Nutr Res [Suppl]** 1985;28:9–28 (92 ref.)

A one-compartment model for calcium oxalate tissue deposition during xylitol infusions in humans. Conyers RA, et al. **Int J Vitam Nutr Res [Suppl]** 1985;28:47–57

Metabolism of 1-3H-D-xylitol and 5-3H-D-xylitol in isolated rat hepatocytes. Dills WL Jr, et al. **Int J Vitam Nutr Res [Suppl]** 1985;28:59–64

The metabolic production of oxalate from xylitol: activities of transketolase, transaldolase, fructokinase and aldolase in liver, kidney, brain, heart and muscle in the rat, mouse, guinea pig, rabbit and human. James HM, et al. **Int J Vitam Nutr Res [Suppl]** 1985;28:29–46

PHARMACODYNAMICS

Collaborative WHO xylitol field studies in Hungary. IV. Saliva levels of Streptococcus mutans. Bánóczy J, et al. **Acta Odontol Scand** 1985 Dec;43(6):367–70

Collaborative WHO xylitol field studies in Hungary. II. General background and control of the dietary regimen. Bánóczy J, et al. **Acta Odontol Scand** 1985 Dec; 43(6):349–57

Collaborative WHO xylitol field studies in Hungary. VI. Changes in the carbohydrate to protein ratio of dental plaque. Kertész P, et al. **Acta Odontol Scand** 1985 Dec; 43(6):377–80

Collaborative WHO xylitol field studies in Hungary. III. Longitudinal counts of lactobacilli and yeasts in saliva. Pienihäkkinen K, et al. **Acta Odontol Scand** 1985 Dec; 43(6):359–65

Collaborative WHO xylitol field studies in Hungary. VII. Two-year caries incidence in 976 institutionalized children. Scheinin A, et al. **Acta Odontol Scand** 1985 Dec;43(6):381–7

Collaborative WHO xylitol field studies in Hungary. I. Three-year caries activity in institutionalized children. Scheinin A, et al. **Acta Odontol Scand** 1985 Dec; 43(6):327–47

Collaborative WHO xylitol field studies in Hungary. An overview. Scheinin A, et al. **Acta Odontol Scand** 1985 Dec; 43(6):321–5

Collaborative WHO xylitol field studies in Hungary. V. Three-year development of oral hygiene. Szöke J, et al. **Acta Odontol Scand** 1985 Dec;43(6):371–6

Further studies on the growth inhibition of Streptococcus mutans OMZ 176 by xylitol. Assev S, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1986 Apr; 94(2):97–102

Sorbitol increases the growth inhibition of xylitol on Strep. mutans OMZ 176. Assev S, et al. **Acta Pathol Microbiol Immunol Scand** [B] 1986 Aug; 94(4):231–7

Duodenal xanthine oxidase (EC 1.2.3.2) and ferroxidase activities in the rat in relation to the increased iron absorption caused by peroral xylitol. Hämäläinen MM, et al. **Br J Nutr** 1985 Sep;54(2):493–8

Effects of xylitol on the absorption of 203Pb in mice and cockerels. Mykkänen HM, et al.

Bull Environ Contam Toxicol 1986 Jul;37(1):77–80
Influence of xylitol- and/or fluoride-containing toothpastes on the remineralization of surface softened enamel defects in vivo. Smits MT, et al. **Caries Res** 1985;19(6):528–35
Gut microflora interactions with xylitol in the mouse, rat and man. Salminen S, et al. **Food Chem Toxicol** 1985 Nov; 23(11):985–90
Alterations in electrolyte and iron metabolism in the rat in relation to peroral administration of galactitol, mannitol and xylitol. Hämäläinen MM, et al. **J Nutr** 1986 Apr; 116(4):599–609
[Incipient carious lesion changes as effected by the use of xylitol] Rekola M. **Proc Finn Dent Soc** 1986;82(1):39–41 (Eng. Abstr.) **(Fin)**
[Caries-preventing action of xylitol-containing sweets, studied in children's institutions] Bánóczy J, et al. **Orv Hetil** 1985 Oct 6;126(40):2447–51 (Eng. Abstr.) **(Hun)**

THERAPEUTIC USE

[3-year results of a WHO-supported caries-prevention program, using xylitol, in Hungarian children's homes. I. Clinical caries studies] Bánóczy J, et al. **Fogorv Sz** 1985 Nov;78(11):329–38 (Eng. Abstr.) **(Hun)**

TOXICITY

Urolithiasis and nephrocalcinosis in xylitol- and sorbitol-fed male mice of two different strains. Bär A. **Int J Vitam Nutr Res [Suppl]** 1985;28:69–89

XYLOSE

ANALOGS & DERIVATIVES

Xylosylated-proteoglycan-induced Golgi alterations. Kanwar YS, et al. **Proc Natl Acad Sci USA** 1986 Sep; 83(17):6499–503

ANALYSIS

Primary structure of the low-molecular-weight carbohydrate chains of Helix pomatia alpha-hemocyanin. Xylose as a constituent of N-linked oligosaccharides in an animal glycoprotein. van Kuik JA, et al. **J Biol Chem** 1985 Nov 15;260(26):13984–8

BLOOD

Glipizide does not affect absorption of glucose and xylose in diabetics without residual beta-cell function. Lins PE, et al. **Acta Med Scand** 1986;219(2):189–93
[Usefulness of the integration between the values of the 1-hour blood xylose test and the hydrogen breath-test after xylose oral load for the indirect evaluation of mucosa damage] Zaniboni MG, et al. **Pediatr Med Chir** 1985 Mar-Apr;7(2):243–7 (Eng. Abstr.) **(Ita)**

DIAGNOSTIC USE

Value of the 14C-D-xylose breath test in patients with intestinal bacterial overgrowth. Schneider A, et al. **Digestion** 1985;32(2):86–91
[Improvement in the specificity of the PABA test (PFT) by combined PABA peptide/D-xylose administration and serum kinetic measurement?] Bornschein W. **Z Gastroenterol** 1985 May;23(5):247–56 (Eng. Abstr.) **(Ger)**
[Usefulness of the xylose test in the diagnosis and long-term control of celiac disease] Cataldo F, et al. **Minerva Pediatr** 1986 May 15;38(9):339–43 (Eng. Abstr.) **(Ita)**

METABOLISM

Digestion of bentiromide and absorption of xylose in healthy cats and absorption of xylose in cats with infiltrative intestinal disease. Hawkins EC, et al. **Am J Vet Res** 1986 Mar;47(3):567–9
Quantitation of intestinal D-xylose absorption in normal broilers and in broilers with pale-bird syndrome. Goodwin MA, et al. **Avian Dis** 1985 Jul-Sep;29(3):630–9
Xylose disposition in humans as a function of age. Johnson SL, et al. **Clin Pharmacol Ther** 1986 Jun;39(6):697–702
The temperature profiles of growth, thermal death and ethanol tolerance of the xylose-fermenting yeast Candida shehatae. Lucas C, et al. **J Basic Microbiol** 1985; 25(8):547–50
Gastric absorption of D-xylose in the rat: its influence on the D-xylose absorption test. Stradley R, et al. **J Lab Clin Med** 1986 Jan;107(1):10–4
Comparative reliability of D-xylose absorption and serum beta-carotene measurements in small intestinal disease. Naveh Y, et al. **J Pediatr Gastroenterol Nutr** 1986 Mar-Apr;5(2):210–3
Mechanism of D-xylose transport in human small intestine. Ohkohchi N, et al. **J Pediatr Gastroenterol Nutr** 1986 May-Jun;5(3):372–8
Assay, genetics, proteins, and reconstitution of proton-linked galactose, arabinose, and xylose transport systems of Escherichia coli. Henderson PJ, et al. **Methods Enzymol** 1986;125:387–429
The use of intestinal D-xylose absorption and other parameters to determine the pathogenicity of and immunity to Eimeria acervulina. Hill RL Jr, et al. **Poult Sci** 1985 Oct;64(10):1853–8
The xylose absorption test in normal Sudanese subjects. Fedail SS. **Trop Geogr Med** 1985 Sep;37(3):273–5
[Xylose determination in blood and urine samples] Logemann E, et al. **Beitr Gerichtl Med** 1985;43:173–7 (Eng. Abstr.) **(Ger)**
[Effect of osmolality on the gastrointestinal permeation of various carbohydrates in healthy persons] Swarovsky B, et al. **Z Gastroenterol** 1985 Oct;23(10):534–41 (Eng. Abstr.) **(Ger)**
[Effect of Trichinella pseudospiralis and T. spiralis infection on intestinal absorption in rats] Stpiczyńska R, et al. **Wiad Parazytol** 1985;31(4–6):575–6 **(Pol)**
[Intestinal absorption in asymptomatic school children with Giardia lamblia] Moraleda L, et al. **Rev Chil Pediatr** 1985 Nov-Dec;56(6):431–5 (Eng. Abstr.) **(Spa)**
[Clinical study of blood xylose curves and urinary excretion with oral doses based on body weight] Martín Ruiz JL, et al. **Rev Esp Enferm Apar Dig** 1985 Oct;68(4):337–41 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Inhibition and inactivation of glucose-phosphorylating enzymes from Saccharomyces cerevisiae by D-xylose. Fernández R, et al. **J Gen Microbiol** 1985 Oct;131 (Pt 10):2705–9

XYLOSIDASES see under **GLYCOSIDE HYDROLASES**

XYLULOSE see under **PENTOSES**

XYY KARYOTYPE see under **SEX CHROMOSOME ABNORMALITIES**

Y CHROMOSOME

Coincidence of paternal 13pYq translocation and maternal increased 13p NOR activity in a child with arthrogryposis and other malformations. Bajnóczky K, et al. **Acta Paediatr Hung** 1985;26(2):151–6
The origin of 45,X males. de la Chapelle A, et al. **Am J Hum Genet** 1986 Mar;38(3):330–40
Quantitative analysis of sex-chromosome mosaicism with X-Y DNA probes. Disteche CM, et al. **Am J Hum Genet** 1986 May;38(5):751–8
Fine mapping of the distal short arm of the human X chromosome using X/Y translocations. Geller RL, et al. **Am J Hum Genet** 1986 Jun;38(6):884–90
A DNA probe detecting multiple haplotypes of the human Y chromosome. Ngo KY, et al. **Am J Hum Genet** 1986 Apr;38(4):407–18
Y-linkage and pseudoautosomal linkage. Ott J. **Am J Hum Genet** 1986 Jun;38(6):891–7
A deletion map of the human Y chromosome based on DNA hybridization. Vergnaud G, et al. **Am J Hum Genet** 1986 Feb;38(2):109–24
A possible fragile-site at Yq12: case report and possible relevance to de novo structural rearrangements of the Y-chromosome. Holden JJ, et al. **Am J Med Genet** 1986 Jan-Feb;23(1–2):545–55
Ring Y chromosome [letter] Mendez H. **Am J Med Genet** 1986 May;24(1):201–2
Minute chromosomes replacing the Y chromosome carry Y-specific sequences by restriction fragment analysis and in situ hybridization. Münke M, et al. **Am J Med Genet** 1985 Oct;22(2):361–74 (81 ref.)
Effects of the Y chromosome on quantitative growth: an anthropometric study of 47,XYY males. Varrela J, et al. **Am J Phys Anthropol** 1985 Oct;68(2):239–45
The influence of the length of the human Y chromosome on spontaneous abortions. A prospective study in family lines with inherited polymorphic Y chromosomes. Genest P, et al. **Ann Genet (Paris)** 1985;28(3):143–8
Aberrations of the synaptonemal complexes in a male 46,XY,-14,+der(14)t(Y;14). Ratomponirina C, et al. **Ann Genet (Paris)** 1985;28(4):214–8
Information on the Y chromosome and sex determination from mutants and other variants of sexual development. Cattanach BM. **Arch Anat Microsc Morphol Exp** 1985; 74(1):25–32
Effects of the DBA/1Bg Y chromosome on testis weight and aggression. Shrenker P, et al. **Behav Genet** 1986 Mar; 16(2):263–70
Holozygosity for sex-linked genes in males of the termite Incisitermes schwarzi. Santos O, et al. **Biochem Genet** 1985 Oct;23(9–10):729–40
t(Y;18) in acute myeloblastic leukemia FAB type M2. Jani Sait SN, et al. **Cancer Genet Cytogenet** 1986 Aug; 22(4):367–8
6q- and loss of the Y chromosome—two common deviations in malignant human salivary gland tumors. Stenman G, et al. **Cancer Genet Cytogenet** 1986 Aug;22(4):283–93
Pseudoisodicentric bisatellited extra marker chromosome (tetrasomy 22pter——q11, trisomy Yqh), derived from a maternal Y/22 translocation. Association between this tetrasomy and "cat eye" phenotypical features.Gabarrón J, et al. **Clin Genet** 1985 Dec;28(6):509–15
Gonadoblastoma and Y-chromosome fluorescence. Lukusa T, et al. **Clin Genet** 1986 Apr;29(4):311–6
Use of Y chromosome specific probes to detect low level sex chromosome mosaicism. Tantravahi U, et al. **Clin Genet** 1986 May;29(5):445–8
Sex chromosome fragment in a phenotypically normal female. Significance of occult Y-related material. Wilson DM, et al. **Clin Pediatr (Phila)** 1986 Jan;25(1):36–9
Report of the Committee on the Genetic Constitution of the X and Y Chromosomes. Goodfellow PN, et al. **Cytogenet Cell Genet** 1985;40(1–4):296–352
XY sex-reversal syndrome in the domestic horse. Kent MG, et al. **Cytogenet Cell Genet** 1986;42(1–2):8–18
Detection of Y-specific repeat sequences in normal and variant human chromosomes using in situ hybridization with biotinylated probes. Lau YF. **Cytogenet Cell Genet** 1985;39(3):184–7
Development of new methods in human gene mapping: selection for fragments of the human Y chromosome after chromosome-mediated gene transfer. Pritchard C, et al. **EMBO J** 1986 May;5(5):979–85
Position of the Y-chromosome at somatic metaphase in patients with chronic myelogenous leukemia (CML). Verma RS, et al. **Experientia** 1986 Apr 15;42(4):440–1
The effect of various fixatives on Y-chromosome detection in leucocytes. Thomsen JL, et al. **Forensic Sci Int** 1985 Sep-Oct;29(1–2):21–7
Genetic analysis of the Y-chromosome of the mouse: evidence for two loci affecting androgen metabolism. Jutley JK, et al. **Genet Res** 1986 Feb;47(1):29–34
The preferential location of the human Y chromosome in somatic metaphase. I. Influence of Y polymorphism. Genest P, et al. **Heredity (Edinburgh)** 1986 Apr;56 (Pt 2):203–5
Clustered GATA repeats (Bkm sequences) on the human Y chromosome. Arnemann J, et al. **Hum Genet** 1986 Aug; 73(4):301–3
Short arm dicentric Y chromosome with associated statural defects in a sterile man. Chandley AC, et al. **Hum Genet** 1986 Aug;73(4):350–3
Genetic drift of marker Y chromosome del(Y)(q12) in Khanty from the lower Ob river. Nazarenko SA, et al. **Hum Genet** 1985;71(2):100–2
A 45,X male with evidence of a translocation of Y euchromatin onto chromosome 15. Schempp W, et al. **Hum Genet** 1985;71(2):150–4
Bkm sequences are polymorphic in humans and are clustered in pericentric regions of various acrocentric chromosomes including the Y. Singh L, et al. **Hum Genet** 1986 Aug; 73(4):304–8
The frequency of false-positive and false-negative results in the detection of Y-chromosomes in interphase nuclei. Thomsen JL, et al. **Hum Genet** 1986 May;73(1):27–30
Equivalence of the total constitutive heterochromatin content by an interchromosomal compensation in the C band sizes of chromosomes 1, 9, 16, and Y in Caucasian and Japanese individuals. Cavalli IJ, et al. **Hum Hered** 1985;35(6):379–87
Characterization of a human Y chromosome Pvu II repeated sequence. Rahuel C, et al. **Hum Hered** 1985;35(6):369–74
Cytological map of human Y chromosome. Verma RS. **Hum Hered** 1986;36(1):62–4
Expression of H-Y antigen unaltered in XY female mice. Silvers WK, et al. **Immunogenetics** 1986;23(1):67–8
Absence of a sex vesicle in meiotic foetal germ cells is consistent with an XY sex chromosome constitution. Hogg H, et al. **J Embryol Exp Morphol** 1985 Aug;88:327–32
Spontaneous occurrence of XYY primary spermatocytes in the Sitka deer mouse. Hale DW, et al. **J Hered** 1986 Mar-Apr;77(2):131–2
Complex translocation involving chromosomes Y, 1, and 3 resulting in deletion of segment 3q23——q25. Al-Awadi SA, et al. **J Med Genet** 1986 Feb;23(1):91–2
The human Y chromosome. Goodfellow P, et al. **J Med Genet** 1985 Oct;22(5):329–44 (135 ref.)
Rapid sexing of native amniotic cells by hybridization to a cloned Y chromosome DNA probe. Wieacker P, et al. **J Perinat Med** 1986;14(2):127–30
Unusual staining property of human Y-chromosome. Verma RS, et al. **Jinrui Idengaku Zasshi** 1985 Dec;30(4):313–5
Screening test for Y chromosome in newborn using urinary epithelial cells [letter] Baccichetti C, et al. **Lancet** 1971 Dec 11;2(7737):1328
Prenatal diagnosis of 45, X/46, XY. Waurin JL, et al. **Md Med J** 1985 Sep;34(9):883–4
Low-dose cytarabine: persistence of a clonal abnormality during complete remission of acute nonlymphocytic leukemia [letter] Tilly H, et al. **N Engl J Med** 1986 Jan 23;314(4):246–7
Variable transfer of Y-specific sequences in XX males. Affara NA, et al. **Nucleic Acids Res** 1986 Jul 11;14(13):5375–87
Regional assignment of Y-linked DNA probes by deletion mapping and their homology with X-chromosome and autosomal sequences. Affara NA, et al. **Nucleic Acids Res** 1986 Jul 11;14(13):5353–73
p49f, A highly polymorphic probe, that detects Taq1 RFLPs on the human Y chromosome. Lucotte G, et al. **Nucleic Acids Res** 1985 Nov 25;13(22):8285
Moderately repeated DNA sequences specific for the short arm of the human Y chromosome are present in XX males and reduced in copy number in an XY female. Müller U, et al. **Nucleic Acids Res** 1986 Feb 11;14(3):1325–40
Moderately repeated mouse Y chromosomal sequence families present distinct types of organization and evolutionary change. Nallaseth FS, et al. **Nucleic Acids Res** 1986 Jul 11;14(13):5295–307
Prenatal identification of a Y-chromosome deletion by Y-specific single copy DNA probes. Gilgenkrantz S, et al. **Prenat Diagn** 1986 Jul-Aug;6(4):307–11

Cloning an expressed gene shared by the human sex chromosomes. Darling SM, et al. **Proc Natl Acad Sci USA** 1986 Jan;83(1):135–9

Participation of the murine X and Y chromosomes in genetically determined chemosensory identity. Yamazaki K, et al. **Proc Natl Acad Sci USA** 1986 Jun;83(12):4438–40

A dicentric iso (Y) chromosome in an infertile male. Li SY, et al. **Proc Natl Sci Counc Repub China [B]** 1985 Apr; 9(2):150–3

Chromosome Y-specific DNA is transferred to the short arm of X chromosome in human XX males. Andersson M, et al. **Science** 1986 Aug 15;233(4765):786–8

A human Y-linked DNA polymorphism and its potential for estimating genetic and evolutionary distance. Casanova M, et al. **Science** 1985 Dec 20;230(4732):1403–6

Cloning of DNA libraries from mouse Y chromosomes purified by flow cytometry. Baron B, et al. **Somatic Cell Mol Genet** 1986 May;12(3):289–95

[X–Y translocation in a mother and daughter] Liao SX. **Chung Hua Fu Chan Ko Tsa Chih** 1985 Sep;20(5):298–300, 319 (Eng. Abstr.) (Chi)

[Familial, structural aberration of the Y chromosome with fertility disorders] Gall H, et al. **Hautarzt** 1985 Nov; 36(11):622–8 (Eng. Abstr.) (Ger)

[Presence of the Y chromosome in female patients with Turner's syndrome] Boczkowski K. **Pol Tyg Lek** 1985 Dec 9;40(49):1369–70 (Eng. Abstr.) (Pol)

[XY translocation in a woman with dyschondrosteosis and sterility] Youlton R, et al. **Rev Med Chil** 1985 Mar; 113(3):228–30 (Eng. Abstr.) (Spa)

ANALYSIS

Use of two different deoxyribonucleic acid probes to detect Y chromosome deoxyribonucleic acid in subjects with normal and altered Y chromosomes. McDonough PG, et al. **Am J Obstet Gynecol** 1986 Apr;154(4):737–48

Biochemical analysis of an antigen produced by both human sex chromosomes. Banting GS, et al. **EMBO J** 1985 Aug; 4(8):1967–72

Isolation and characterization of a mouse Y chromosomal repetitive sequence. Nishioka Y, et al. **Genetics** 1986 Jun; 113(2):417–32

Isolation of Y-chromosomal repetitive DNA sequences of Drosophila hydei via enrichment of chromosome-specific sequences by heterogeneous hybridization between female and male DNA. Awgulewitsch A, et al. **J Biochem Biophys Methods** 1986 Jan;12(1–2):37–50

Sensitive system for visualising biotinylated DNA probes hybridised in situ: rapid sex determination of intact cells. Burns J, et al. **J Clin Pathol** 1985 Oct;38(10):1085–92

PHYSIOLOGY

Interstrain competition amongst mouse spermatozoa inseminated in various proportions, as affected by the genotype of the Y chromosome. Krzanowska H. **J Reprod Fertil** 1986 May;77(1):265–70

Mammalian X and Y crossover [news] Burgoyne PS. **Nature** 1986 Jan 23–29;319(6051):258–9

A gradient of sex linkage in the pseudoautosomal region of the human sex chromosomes. Rouyer F, et al. **Nature** 1986 Jan 23–29;319(6051):291–5

ULTRASTRUCTURE

Variations in the length of human Y chromosome: a statistical study. Chakraborty BM, et al. **Acta Anthropogenet** 1984; 8(3–4):269–75

Nonrandom chromosomal changes in retinoblastomas. Pogosianz HE, et al. **Arch Geschwulstforsch** 1986; 56(2):135–43

Genetic control of sex-chromosomal univalency in the spermatocytes of C57BL/6J and DBA/2J mice. Biddle FG, et al. **Can J Genet Cytol** 1985 Dec;27(6):741–50

Homozygosity for a Y/22 chromosome translocation: t(Y;22)(q12;p12/13). Leschot NJ, et al. **Clin Genet** 1986 Mar; 29(3):251–7

Chromosomal localization of genes by scanning electron microscopy using in situ hybridization with biotinylated probes: Y chromosome repetitive sequences. Ferguson DJ, et al. **Histochem J** 1986 May;18(5):266–70

Intraindividual Y-chromosome heteromorphism [letter] Hoehn H, et al. **Hum Genet** 1985;71(3):278

Deletion mapping of the testis determining locus with DNA probes in 46,XX males and in 46,XY and 46,X,dic(Y) females. Müller U, et al. **Nucleic Acids Res** 1986 Aug 26; 14(16):6489–505

[C-polymorphism of chromosomes 1, 9, 16 and Y in newborn infants of various gestational ages] Akopian GR, et al. **Tsitol Genet** 1986 Mar–Apr;20(2):134–8 (Eng. Abstr.) (Rus)

YABA VIRUS

GENETICS

Cloning and physical mapping of Yaba monkey tumor virus DNA. Kilpatrick DR, et al. **Virology** 1985 Jun; 143(2):399–406

YAWS

DIAGNOSIS

Yaws truly—a survey of patients indexed under 'yaws' and a review of the clinical and laboratory problems of diagnosis. Green CA, et al. **Clin Exp Dermatol** 1986 Jan; 11(1):41–8 (36 ref.)

OCCURRENCE

Resurgent yaws in the Solomon Islands. Eason RJ, et al. **Aust NZ J Med** 1985 Dec;15(6):727–30

Resurgent yaws and other skin diseases in the Western Province of the Solomon Islands. Eason RJ, et al. **Papua New Guinea Med J** 1985 Dec;28(4):247–50

PREVENTION & CONTROL

Effect of immune serum and its immunoglobulin fractions on hamsters challenged with Treponema pallidum ssp. pertenue. Azadegan AA, et al. **J Infect Dis** 1986 Jun; 153(6):1007–13

YEAST, DRIED

see related

SACCHAROMYCES CEREVISIAE

[The use of "fermosin" fodder yeast in a multigeneration experiment with hens. 2. The laying period] Richter G, et al. **Arch Tierernahr** 1985 Jun;35(6):391–9 (Eng. Abstr.) (Ger)

ADMINISTRATION & DOSAGE

Microbial numbers, rumen fermentation, and nitrogen utilization of steers fed wet or dried brewers' grains. Rogers JA, et al. **J Dairy Sci** 1986 Mar;69(3):745–53

Response of human and rat small intestinal mucosa to oral administration of Saccharomyces boulardii. Buts JP, et al. **Pediatr Res** 1986 Feb;20(2):192–6

[Use of "fermosine"—fodder yeast in a multi-generation trial with chickens. 3. Evaluation of health safety in a long-term toxicologic test] Bentz H, et al. **Arch Tierernahr** 1985 Oct; 35(10):715–22 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

[Clinico-allergologic aspects of skin changes caused by chemical and biological compounds] Karamova LM, et al. **Vestn Dermatol Venerol** 1985 Oct;(10):55–8 (Eng. Abstr.) (Rus)

ANALYSIS

Selenium yeast. Korhola M, et al. **Ann Clin Res** 1986; 18(1):65–8

METABOLISM

Intestinal absorption of thiamin from yeast-containing sorghum beer. Katz D, et al. **Am J Clin Nutr** 1985 Oct; 42(4):666–70

YEASTS

Cobalt-(cysteinyl)4 tetrahedra in yeast cobalt(II)-thionein. Hartmann HJ, et al. **Biochem Biophys Res Commun** 1985 Oct 15;132(1):277–83

[Potential use of hydrolysates of feed yeasts and animal blood in preparing nutrient media for the diagnosis of intestinal infections] Pivovarova NI. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Jul;(7):32–5 (Eng. Abstr.) (Rus)

ANALYSIS

Cell wall of pathogenic yeasts and implications for antimycotic therapy. Cassone A. **Drugs Exp Clin Res** 1986; 12(6–7):635–43

On the sequence homology of the ribosomal proteins, Escherichia coli S11, yeast rp59 and Chinese hamster S14. Tanaka T, et al. **FEBS Lett** 1986 Jul 7;202(2):295–7

[Effect of mercury in yeast-containing mixed foods on mercury accumulation in tissues and organs of the albino rat] Ackermann H, et al. **Z Gesamte Hyg** 1986 Jun; 32(6):379–80 (Eng. Abstr.) (Ger)

[Toxicity of mercury from yeast biomasses in albino rats] Beining K, et al. **Z Gesamte Hyg** 1986 Jun;32(6):375–9 (Eng. Abstr.) (Ger)

[Histologic changes caused by the intake of mercury from yeast-containing mixed feed by albino rats] Horn KH, et al. **Z Gesamte Hyg** 1986 Jun;32(6):373–5 (Eng. Abstr.) (Ger)

CLASSIFICATION

Evaluation of Abbott Quantum II yeast identification system. Salkin IF, et al. **J Clin Microbiol** 1985 Sep;22(3):442–4

A simple disk-diffusion test for differentiation of yeast species. Sobczak H. **J Med Microbiol** 1985 Dec; 20(3):307–16

CYTOLOGY

Cell cycle regulation in yeast. Hayles J, et al. **J Cell Sci [Suppl]** 1986;4:155–70 (79 ref.)

DRUG EFFECTS

Antifungal activity of ketoconazole with emphasis on zoophilic fungal pathogens. Gabal MA. **Am J Vet Res** 1986 Jun;47(6):1229–34

Mutagen testing of agricultural chemicals with yeast. Eckardt F, et al. **Basic Life Sci** 1985;34:221–48

Gut microflora interactions with xylitol in the mouse, rat and man. Salminen S, et al. **Food Chem Toxicol** 1985 Nov; 23(11):^85–90

A comparison of the activity of mepartricin and amphotericin B against yeasts. Petrou MA, et al. **J Antimicrob Chemother** 1985 Aug;16(2):169–77

Effect of aculeacin A, a wall-active antibiotic, on synthesis of the yeast cell wall. Yamaguchi H, et al. **Microbiol Immunol** 1985;29(7):609–23

Antifungal activity of some mediterranean algae. Calvo MA, et al. **Mycopathologia** 1986 Jan;93(1):61–3

[Lytic activity against yeasts in Bacillus brevis culture broth] Kalebina TS, et al. **Mikrobiologiia** 1985 May–Jun; 54(3):402–5 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Bacteria and yeasts as possible candidates for the production of inulinases and levanases. Fuchs A, et al. **Antonie Van Leeuwenhoek** 1985;51(3):333–43 (42 ref.)

D-amino acid oxidase from the yeast Trigonopsis variabilis. Kubicek-Pranz EM, et al. **J Appl Biochem** 1985 Apr; 7(2):104–13

Phosphorylation and inactivation of yeast fructose-1,6-bisphosphatase by cyclic AMP-dependent protein kinase from yeast. Pohlig G, et al. **J Biol Chem** 1985 Nov 5;260(25):13818–23

[Biosynthesis of lytic enzymes in a mixed culture of actinomycetes and yeasts] Iakovleva EP, et al. **Antibiot Med Biotekhnol** 1985 Dec;30(12):887–93 (Eng. Abstr.) (Rus)

GENETICS

Genetic characterisation of New Zealand and Australian wine yeasts. Occurrence of killer systems and homothallism. Thornton RJ. **Antonie Van Leeuwenhoek** 1986;52(2):97–103

Rapid physical mapping by transposon Tn5 mutagenesis to localize the cloned yeast ILV2 gene. Van Dyk TK, et al. **Appl Environ Microbiol** 1986 Jan;51(1):206–8

In vitro RNA synthesis by viruses isolated from the yeast Yarrowia lipolytica. Treton B, et al. **Biochimie** 1986 Jul–Aug;68(7–8):991–9

Role of the 5' hairpin structure in the splicing accuracy of the fourth intron of the yeast cob-box gene. Perea J, et al. **EMBO J** 1985 Dec 1;4(12):3281–8

Heterogeneity in the ribosomal family of the yeast Yarrowia lipolytica: genomic organization and segregation studies. Fournier P, et al. **Gene** 1986;42(3):273–82

Heterogeneity in the ribosomal RNA genes of the yeast Yarrowia lipolytica; cloning and analysis of two size classes of repeats. van Heerikhuizen H, et al. **Gene** 1985; 39(2–3):213–22

Parasexual process in the yeast Yarrowia lipolytica. Kurischko C. **J Basic Microbiol** 1986;26(1):33–41

GROWTH & DEVELOPMENT

Yeast species utilizing uric acid, adenine, n-alkylamines or diamines as sole source of carbon and energy. Middelhoven WJ, et al. **Antonie Van Leeuwenhoek** 1985;51(3):289–301

A note on estimation of food spoilage yeasts by measurement of adenosine triphosphate (ATP) after growth at various temperatures. Patel PD, et al. **J Appl Bacteriol** 1985 Aug; 59(2):133–6

Microbiological activity of biotin-vitamers. Ohsugi M, et al. **J Nutr Sci Vitaminol (Tokyo)** 1985 Dec;31(6):563–72

Phosphorylation of the yeast equivalent of ribosomal protein S6 is not essential for growth. Kruse C, et al. **Proc Natl Acad Sci USA** 1985 Nov;82(22):7515–9

[A simple method for performing yeast carbohydrate assimilation test] Chen L, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1985 Nov;18(4):282–7 (Eng. Abstr.) (Chi)

[Role of levorin and lytic enzymes in the interrelations of yeasts and actinomycete in a mixed culture] Iakovleva EP. **Antibiot Med Biotekhnol** 1986 Jun;31(6):416–22 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Evaluation of C3b/C3bi opsonization and chemiluminescence with selected yeasts and bacteria using sera of different opsonic potential. Turner MW, et al. **Immunology** 1986 May;58(1):111–5

ISOLATION & PURIFICATION

Collaborative WHO xylitol field studies in Hungary. III. Longitudinal counts of lactobacilli and yeasts in saliva. Pienihäkkinen K, et al. **Acta Odontol Scand** 1985 Dec; 43(6):359–65

Mould spores and yeasts in outdoor air. Rantio-Lehtimäki A. **Allergy** 1985;40 Suppl 3:17–20

Nine-year microflora study of an isolator-maintained immunodeficient child. Taylor GR, et al. **Appl Environ Microbiol** 1985 Dec;50(6):1349–56

Clinical comparison of a new automated infrared blood

culture system with the BACTEC 460 system. Jungkind D, et al. **J Clin Microbiol** 1986 Feb;23(2):262–6
Distribution of bacteria and yeasts within the 10-ml Isolator during the processing of seeded blood samples. Kellogg JA, et al. **J Clin Microbiol** 1986 Feb;23(2):209–11
[Yeast associations with mosquitoes of the genus Aedes Mg. (Diptera, Culicidae) in the Tom-Ob river region] Frants TG, et al. **Biol Nauki** 1986;(4):94–8 (Eng. Abstr.) **(Rus)**

METABOLISM

Nitrogen catabolite repression in yeasts and filamentous fungi. Wiame JM, et al. **Adv Microb Physiol** 1985;26:1–88 (274 ref.)
Estimation of compartmentation of lysine inside the cells of Yarrowia lipolytica. Beckerich JM, et al. **Biochimie** 1986 Apr;68(4):517–29
Miniaturized durham tubes for carbohydrate fermentation tests by yeasts. Guinet RM. **Mykosen** 1985 Aug;28(8):394–9
[Alcoholic fermentation of inulin by various strains of yeasts] Poncet S, et al. **Ann Inst Pasteur Microbiol** 1985 Jul–Aug; 136B(1):99–109 (Eng. Abstr.) **(Fre)**
[Nature of the stimulating substances found in the vital activity products of yeastlike fungi] Iakovleva EP, et al. **Mikrobiologiia** 1986 Mar–Apr;55(2):198–204 (Eng. Abstr.) **(Rus)**
[Biodegradation of petroleum hydrocarbons in soil inoculated with yeasts] Ismailov NM. **Mikrobiologiia** 1985 Sep–Oct; 54(5):835–41 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

[Environmental resistance and natural reservoirs of medically significant yeasts] Blaschke-Hellmessen R, et al. **Z Gesamte Hyg** 1985 Dec;31(12):712–5 (Eng. Abstr.) **(Ger)**

RADIATION EFFECTS

Photoreactivation of damage induced by ionizing radiation in yeast cells. Petin VG, et al. **Radiat Environ Biophys** 1985; 24(4):281–6

YELLOW FEVER

DIAGNOSIS

Sensitive and specific monoclonal immunoassay for detecting yellow fever virus in laboratory and clinical specimens. Monath TP, et al. **J Clin Microbiol** 1986 Jan;23(1):129–34

HISTORY

Hunting the yellow fever germ: the principle and practice of etiological proof in late nineteenth-century America. Warner M. **Bull Hist Med** 1985 Fall;59(3):361–82
Yellow fever and the Indiana connection. An historical note about Dr. Walter Reed (1851–1902). Tejada E. **Indiana Med** 1985 Oct;78(10):906–7
Dr. Tomas Romay's unpublished manuscript on yellow fever, June 27, 1804. Coker WS, et al. **J Fla Med Assoc** 1984 Jul;71(7):456–62
Mosquito control—its impact on the growth and development of Florida. Mulrennan JA Jr. **J Fla Med Assoc** 1986 Apr;73(4):310–1
Yellow fever in Swansea, 1865. Meers PD. **J Hyg (Lond)** 1986 Aug;97(1):185–91
Louis Daniel Besuperthuy: pioneer in yellow fever and leprosy research. Sakula A. **J R Coll Physicians Lond** 1986 Apr;20(2):146–50
Yellow fever in South Wales, 1865. Smith CE, et al. **Med Hist** 1986 Jul;30(3):322–40

IMMUNOLOGY

Lethal 17D yellow fever encephalitis in mice. I. Passive protection by monoclonal antibodies to the envelope proteins of 17D yellow fever and dengue 2 viruses. Brandriss MW, et al. **J Gen Virol** 1986 Feb;67 (Pt 2):229–34

OCCURRENCE

Yellow fever in Asia [letter] Reifsnyder DN. **Am Fam Physician** 1986 Apr;33(4):22, 24
Yellow fever in the Americas. **Bull Pan Am Health Organ** 1985;19(2):209–12
[Evaluation of immunological and entomotological indices of yellow fever in Pointe-Noire, People's Republic of Congo] Merlin M, et al. **Bull Soc Pathol Exot Filiales** 1986; 79(2):199–206 (Eng. Abstr.) **(Fre)**
[Rural epidemic of yellow fever with interhuman transmission in the Ivory Coast in 1982] Lhuillier M, et al. **Bull WHO** 1985;63(3):527–36 (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

Neutralizing (54K) and non-neutralizing (54K and 48K) monoclonal antibodies against structural and non-structural yellow fever virus proteins confer immunity in mice. Gould EA, et al. **J Gen Virol** 1986 Mar;67 (Pt 3):591–5
[Activity of Anti-Yellow Fever Vaccination Centers] Picot N, et al. **Bull Soc Pathol Exot Filiales** 1985;78(5 Pt 2):986–9 **(Fre)**
[Use of stabilized yellow fever vaccine 17D at the time of the yellow fever epidemic in Burkina Faso in 1983] Saluzzo JF, et al. **Bull Soc Pathol Exot Filiales** 1985;78(4):536–40 (Eng. Abstr.) **(Fre)**
[Current aspects of the epidemiological surveillance of yellow fever] Iversson LB. **AMB** 1985 Jul–Aug;31(7–8):137–8 **(Por)**

YELLOW FEVER VIRUS

ANALYSIS

Partial N-terminal amino acid sequences of three nonstructural proteins of two flaviviruses. Rice CM, et al. **Virology** 1986 May;151(1):1–9

GENETICS

Genetic heterogeneity of yellow fever virus strains from Africa and the Americas. Deubel V, et al. **J Gen Virol** 1986 Jan;67 (Pt 1):209–13

GROWTH & DEVELOPMENT

Oral infection of Aedes aegypti with yellow fever virus: geographic variation and genetic considerations. Tabachnick WJ, et al. **Am J Trop Med Hyg** 1985 Nov; 34(6):1219–24
Selection for susceptibility and refractoriness of Aedes aegypti to oral infection with yellow fever virus. Wallis GP, et al. **Am J Trop Med Hyg** 1985 Nov;34(6):1225–31

IMMUNOLOGY

Sensitive and specific monoclonal immunoassay for detecting yellow fever virus in laboratory and clinical specimens. Monath TP, et al. **J Clin Microbiol** 1986 Jan;23(1):129–34
Lethal 17D yellow fever encephalitis in mice. I. Passive protection by monoclonal antibodies to the envelope proteins of 17D yellow fever and dengue 2 viruses. Brandriss MW, et al. **J Gen Virol** 1986 Feb;67 (Pt 2):229–34
Neutralization of yellow fever virus studied using monoclonal and polyclonal antibodies. Buckley A, et al. **J Gen Virol** 1985 Dec;66 (Pt 12):2523–31
Neutralizing (54K) and non-neutralizing (54K and 48K) monoclonal antibodies against structural and non-structural yellow fever virus proteins confer immunity in mice. Gould EA, et al. **J Gen Virol** 1986 Mar;67 (Pt 3):591–5
Chloroquine does not adversely affect the antibody response to yellow fever vaccine [letter] Tsai TF, et al. **J Infect Dis** 1986 Oct;154(4):726–7
Human antibody response to immunization with 17D yellow fever and inactivated TBE vaccine. Kayser M, et al. **J Med Virol** 1985 Sep;17(1):35–45
Simultaneous administration of hepatitis B and yellow fever vaccines. Yvonnet B, et al. **J Med Virol** 1986 Aug; 19(4):307–11
Blood value changes in flavivirus-inoculated Macaca fascicularis monkeys. Angsubhakorn S, et al. **Southeast Asian J Trop Med Public Health** 1986 Mar; 17(1):1–7
Thermostability and efficacy in the field of a new, stabilized yellow fever virus vaccine. Georges AJ, et al. **Vaccine** 1985 Sep;3(3):313–5
Topographical analysis of epitope relationships on the envelope glycoprotein of yellow fever 17D vaccine and the wild type Asibi parent virus. Cammack N, et al. **Virology** 1986 Apr 30;150(2):333–41
[Evaluation of immunological and entomotological indices of yellow fever in Pointe-Noire, People's Republic of Congo] Merlin M, et al. **Bull Soc Pathol Exot Filiales** 1986; 79(2):199–206 (Eng. Abstr.) **(Fre)**
[Use of stabilized yellow fever vaccine 17D at the time of the yellow fever epidemic in Burkina Faso in 1983] Saluzzo JF, et al. **Bull Soc Pathol Exot Filiales** 1985;78(4):536–40 (Eng. Abstr.) **(Fre)**

ISOLATION & PURIFICATION

Antigenic analysis of yellow fever virus glycoproteins: use of monoclonal antibodies in enzyme-linked immunosorbent assays. Cammack N, et al. **J Virol Methods** 1986 May; 13(2):135–42

PATHOGENICITY

Comparison of neurovirulence of different strains of yellow fever virus in mice. Barrett AD, et al. **J Gen Virol** 1986 Apr;67 (Pt 4):631–7

PHYSIOLOGY

Conditions for haemolysis by flaviviruses and characterization of the haemolysin. Cammack N, et al. **J Gen Virol** 1985 Oct;66 (Pt 10):2291–6

YERSINIA

ANALYSIS

[Study of a lipopolysaccharide-protein complex from Yersinia pseudotuberculosis in aqueous solutions by light scattering] Vasil'ev BK, et al. **Biofizika** 1985 Nov–Dec; 30(6):981–4 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

A numerical taxonomic study of Actinobacillus, Pasteurella and Yersinia. Sneath PH, et al. **J Gen Microbiol** 1985 Oct; 131 (Pt 10):2711–38
Studies on the serology of flagellar antigens of Yersinia enterocolitica and related Yersinia species. Aleksić S, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 May; 261(3):299–310
[Taxonomy of the causative agents of plague and pseudotuberculosis] Aparin GP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Aug;(8):101–4 (26 ref.) **(Rus)**

DRUG EFFECTS

Antimicrobial susceptibilities of food-isolated strains of Yersinia enterocolitica, Y. intermedia, Y. frederiksenii, and Y. kristensenii. Ahmedy A, et al. **Antimicrob Agents Chemother** 1985 Aug;28(2):351–3
Influence of the virulence plasmid and the Congo red reaction on the antimicrobial susceptibility of Yersinia species. Robins-Browne RM, et al. **J Antimicrob Chemother** 1986 May;17(5):553–7

ENZYMOLOGY

[Epidemiologic significance of urease-positive yersiniae in anthropurgic foci of pseudotuberculosis] Kuznetsov VG, et al. **Voen Med Zh** 1986 Jan;(1):39–40 **(Rus)**

GENETICS

Genetic analysis of bacterial virulence determinants in Bordetella pertussis and the pathogenetic Yersinia. Isberg RR, et al. **Curr Top Microbiol Immunol** 1985;118:1–11 (37 ref.)
A single genetic locus encoded by Yersinia pseudotuberculosis permits invasion of cultured animal cells by Escherichia coli K-12. Isberg RR, et al. **Nature** 1985 Sep 19–25;317(6034):262–4
Adherence of Yersinia pseudotuberculosis and Yersinia enterocolitica to L-929 cells: association with virulence plasmid and effects of cultivation- and adsorption-temperatures. Sugiyama Y, et al. **Nippon Juigaku Zasshi** 1986 Apr;48(2):369–75

GROWTH & DEVELOPMENT

Antagonism between Yersinia intermedia and Yersinia enterocolitica in water. Calvo C, et al. **Folia Microbiol (Praha)** 1986;31(2):167–73
Growth of Yersinia pseudotuberculosis and Yersinia enterocolitica biotype 3B serotype O3 inhibited on cefsulodin-Irgasan-novobiocin agar. Fukushima H, et al. **J Clin Microbiol** 1986 Jul;24(1):116–20
Suppression of heat-stable enterotoxin production by Yersinia spp. in milk. Fukushima H, et al. **Vet Microbiol** 1986 Feb;11(1–2):163–72

IMMUNOLOGY

IgA-anti-yersinia antibodies in yersinia triggered reactive arthritis. Granfors K, et al. **Ann Rheum Dis** 1986 Jul; 45(7):561–5
Rapid serological analysis of bacterial lipopolysaccharides by electrotransfer to nitrocellulose. Pyle SW, et al. **J Immunol Methods** 1985 Dec 27;85(2):371–82
Protection against Yersinia infection induced by non-virulence-plasmid-encoded antigens. Simonet M, et al. **J Med Microbiol** 1985 Oct;20(2):225–31
[Different forms of a lipopolysaccharide-protein complex from Yersinia pseudotuberculosis] Ermak IM, et al. **Bioorg Khim** 1985 Sep;11(9):1270–5 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Isolation of Yersinia enterocolitica and related species from foods in France. Delmas CL, et al. **Appl Environ Microbiol** 1985 Oct;50(4):767–71
Direct isolation of Yersinia enterocolitica and Yersinia pseudotuberculosis from meat. Fukushima H. **Appl Environ Microbiol** 1985 Sep;50(3):710–2
A comparison of media and methods for the recovery of Yersinia enterocolitica and Yersinia enterocolitica-like bacteria from milk containing simulated raw milk microfloras. Walker SJ, et al. **J Appl Bacteriol** 1986 Mar; 60(3):175–83
Characteristics of Yersinia intermedia-like bacteria isolated from patients with diarrhea in Nigeria. Agbonlahor DE. **J Clin Microbiol** 1986 May;23(5):891–6
Isolation of Yersinia species from pigs in Nigeria. Lombin LH, et al. **Vet Rec** 1985 Oct 5;117(14):364
[Contamination of vegetables and the external environment of vegetable store houses of the Primor'e Territory by Yersinia] Kuznetsov VG. **Gig Sanit** 1986 May;(5):69–71 **(Rus)**
[Isolation of Yersinia using the alkaline method] Kuznetsov VG. **Lab Delo** 1986;(6):365–7 (Eng. Abstr.) **(Rus)**
[Use of sulfonol and potassium tellurate as microfloral inhibitors in media for the isolation of Yersinia] Serov GD. **Voen Med Zh** 1986 Apr;(4):32–3 **(Rus)**

METABOLISM

Production of aerobactin by some species of the genus Yersinia. Stuart SJ, et al. **J Bacteriol** 1986 Jun;166(3):1131–3

PATHOGENICITY

Role of virulence-associated plasmid in the uptake and killing

of Yersinia pseudotuberculosis by resident macrophages. Simonet M, et al. **Ann Inst Pasteur Microbiol** 1985 Nov-Dec;136B(3):283–94

Role of a plasmid in the pathogenicity of Yersinia species. Portnoy DA, et al. **Curr Top Microbiol Immunol** 1985; 118:29–51 (76 ref.)

Plasmid-determined cytotoxicity in Yersinia pestis and Yersinia pseudotuberculosis. Goguen JD, et al. **Infect Immun** 1986 Mar;51(3):788–94

Analysis by coagglutination of the distribution of a 24,000-dalton surface protein in Yersinia isolates. Toyos J, et al. **J Clin Microbiol** 1986 Apr;23(4):804–5

[Yersinia pseudotuberculosis plasmids and their significance in the realization of the epidemic process in pseudotuberculosis] Shubin FN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Dec;(12):53–6 (Eng. Abstr.) **(Rus)**

[Pathogenetic significance of the psychrophilia of Yersinia pseudotuberculosis] Timchenko NF, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Mar;(3):34–8 (Eng. Abstr.) **(Rus)**

[Components of the outer membrane of Yersinia pseudotuberculosis and their role in the pathogenesis of pseudotuberculosis] Timchenko NF, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Jun;(6):38–41 (Eng. Abstr.) **(Rus)**

YERSINIA ENTEROCOLITICA

Isolation, primary structure and synthesis of heat-stable enterotoxin produced by Yersinia enterocolitica. Takao T, et al. **Eur J Biochem** 1985 Oct 1;152(1):199–206

[Effect of Yersinia enterocolitica enterotoxin on the ultrastructure of the intestinal epithelium in juvenile mice] Bergmann V, et al. **Arch Exp Veterinarmed** 1985 Jul; 39(4):504–10 (Eng. Abstr.) **(Ger)**

CLASSIFICATION

Yersinia enterocolitica biotype 3B serotype 03 phage type II infection in pigs. Fukushima H, et al. **Nippon Juigaku Zasshi** 1985 Dec;47(6):1011–5

Studies on the serology of flagellar antigens of Yersinia enterocolitica and related Yersinia species. Aleksić S, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 May; 261(3):299–310

[Studies on the serogroup of Yersinia enterocolitica. I. Investigations on the antigenicity of "non-groupable" strains] Li DT, et al. **Wei Sheng Wu Hsueh Pao** 1986 Jun; 26(2):170–5 (Eng. Abstr.) **(Chi)**

[Serological variants of Yersinia enterocolitica circulating in different geographical areas of the Soviet Union] Gurleva GG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Oct; (10):39–42 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Synergistic effects of dicloxacillin or clavulanic acid in combination with penicillin G or cephalothin against Yersinia enterocolitica. Jimenez-Valera M, et al. **Antimicrob Agents Chemother** 1986 Jan;29(1):104–6

[Antibiotic sensitivity of Yersinia enterocolitica] Höffler U, et al. **Off Gesundheitswes** 1986 Jul;48(7):333–5 (Eng. Abstr.) **(Ger)**

[Antimicrobial activity against Yersinia enterocolitica in higher plants] Jiménez-Valera M, et al. **Microbiol Esp** 1985 Jul-Dec;38(3–4):67–71 (Eng. Abstr.) **(Spa)**

[Effect of potassium sorbate on the growth of Yersinia enterocolitica] Polo Villar LM, et al. **Rev Sanid Hig Publica (Madr)** 1984 Sep-Oct; 58(9–10):909–15 (Eng. Abstr.) **(Spa)**

GENETICS

Enumeration by DNA colony hybridization of virulent Yersinia enterocolitica colonies in artificially contaminated food. Jagow J, et al. **Appl Environ Microbiol** 1986 Feb; 51(2):441–3

Role of a plasmid in the pathogenicity of Yersinia species. Portnoy DA, et al. **Curr Top Microbiol Immunol** 1985; 118:29–51 (76 ref.)

Characterization of Tn3926, a new mercury-resistance transposon from Yersinia enterocolitica. Lett MC, et al. **Gene** 1985;40(1):79–91

Yersinia enterocolitica plasmid in fecal flora of patients with reactive arthritis [letter] Viitanen AM, et al. **J Infect Dis** 1986 Aug;154(2):376

Relationship between the presence of 44 megadalton plasmid and calcium dependency or autoagglutination to serotype O3 strains of Yersinia enterocolitica. Kaneko S, et al. **Nippon Juigaku Zasshi** 1986 Apr;48(2):205–10

Adherence of Yersinia pseudotuberculosis and Yersinia enterocolitica to L-929 cells: association with virulence plasmid and effects of cultivation- and adsorption-temperatures. Sugiyama Y, et al. **Nippon Juigaku Zasshi** 1986 Apr;48(2):369–75

GROWTH & DEVELOPMENT

Growth and persistence of pathogens on granular activated carbon filters. Camper AK, et al. **Appl Environ Microbiol** 1985 Dec;50(6):1378–82

Inhibition of Yersinia enterocolitica serotype O3 by natural microflora of pork. Fukushima H, et al. **Appl Environ Microbiol** 1986 May;51(5):990–4

Some conditions influencing the association of Yersinia enterocolitica with epithelial cells in vitro. Schiemann DA, et al. **Can J Microbiol** 1985 Oct;31(10):953–6

Antagonism between Yersinia intermedia and Yersinia enterocolitica in water. Calvo C, et al. **Folia Microbiol (Praha)** 1986;31(2):167–73

Growth of Yersinia pseudotuberculosis and Yersinia enterocolitica biotype 3B serotype O3 inhibited on cefsulodin-Irgasan-novobiocin agar. Fukushima H, et al. **J Clin Microbiol** 1986 Jul;24(1):116–20

Yersinia enterocolitica serotype 03 in naturally infected raw pork. Fukushima H. **Nippon Juigaku Zasshi** 1986 Feb; 48(1):183–7

[Growth rates of two virulence plasmids carrying Yersinia enterocolitica after contamination of heated milk, raw minced pork and vegetables] Hellmann E, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Dec; 182(1):1–16 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Detection of antibodies to Yersinia enterocolitica by single radial diffusion-in-gel and peroxidase labelled antibodies. Melby K. **Acta Pathol Microbiol Immunol Scand [C]** 1985 Oct;93(5):225–7

Further observations upon HLA-B27, Yersinia enterocolitica, and ankylosing spondylitis [letter] Crease PE, et al. **Ann Rheum Dis** 1986 Jun;45(6):526–8

Thyrotrophin (TSH) binding sites on Yersinia enterocolitica recognized by immunoglobulins from humans with Graves' disease. Heyma P, et al. **Clin Exp Immunol** 1986 May; 64(2):249–54

Ye-1, a monoclonal antibody that cross-reacts with HLA-B27 lymphoblastoid cell lines and an arthritis causing bacteria. Kono DH, et al. **Clin Exp Immunol** 1985 Sep; 61(3):503–8

Absence of cross-reaction between HLA B27 and yersinia enterocolitica or chlamydia trachomatis in reactive arthritis and ankylosing spondylitis [letter] Roudier J, et al. **Clin Rheumatol** 1985 Dec;4(4):487

Structural studies on O-specific polysaccharides of lipopolysaccharides from Yersinia enterocolitica serovars O:5 and O:5,27. Gorshkova RP, et al. **Eur J Biochem** 1986 Apr 15;156(2):391–7

Study of Reiter's syndrome, with special emphasis on Yersinia enterocolitica. Yu DT, et al. **Immunol Rev** 1985 Aug;86:27–45

Molecular mimicry in Reiter's syndrome: cytotoxicity and ELISA studies of HLA-microbial relationships. Inman RD, et al. **Immunology** 1986 Jul;58(3):501–6

Differentiation of Brucella abortus and Yersinia enterocolitica serotype 09 infections: use of lymphocyte transformation test. Chukwu CC. **Int J Zoonoses** 1985 Jun; 12(2):126–35

Serological cross-reactions between Brucella abortus and Yersinia enterocolitica 0:9. Mittal KR, et al. **Int J Zoonoses** 1985 Sep;12(3):219–27

Anti-brush border antibodies (ABBA) in sera from patients with ulcerative proctocolitis and in sera with antibodies against Yersinia enterocolitica 0:3. Skogh T, et al. **J Clin Lab Immunol** 1986 Mar;19(3):117–8

Characterization of a Yersinia enterocolitica antigen common to enterocolitis-associated serotypes. Diaz R, et al. **J Clin Microbiol** 1985 Dec;22(6):1035–9

Identification of Yersinia enterocolitica O15 lipopolysaccharide as a rough antigen. Kawaoka Y, et al. **J Clin Microbiol** 1986 Aug;24(2):272–4

Detection of circulating Yersinia-immunoglobulin complexes by enzyme immunoassay (EIA). Lahesmaa-Rantala R, et al. **J Immunol Methods** 1986 May 22;89(2):191–9

Immunomodulation in mice by experimental infection with Yersinia enterocolitica. Ruiz-Bravo A, et al. **Microbiol Immunol** 1985;29(11):1089–97

[Specificity of the VW-antigen and autoagglutination induced by Yersinia enterocolitica] Chen YK. **Wei Sheng Wu Hsueh Pao** 1985 Mar;25(1):84–5 **(Chi)**

[Prevalence of antibodies to Yersinia enterocolitica O:3 0:9 in an Italian agricultural area] Pegina P, et al. **Nuovi Ann Ig Microbiol** 1984 Jul-Aug;35(4):269–76 (Eng. Abstr.) **(Ita)**

[Occurrence and level of antibodies against Yersinia enterocolitica O antigens detected in select human groups by the passive hemagglutination test] Kałużewski S, et al. **Med Dosw Mikrobiol** 1985;37(3–4):147–64 (Eng. Abstr.) **(Pol)**

ISOLATION & PURIFICATION

Direct isolation of Yersinia enterocolitica and Yersinia pseudotuberculosis from meat. Fukushima H. **Appl Environ Microbiol** 1985 Sep;50(3):710–2

Isolation of Yersinia enterocolitica strains from pigs and wild boars [letter] Figura N, et al. **Boll Ist Sieroter Milan** 1985; 64(4):345–6

Salmonella and Yersinia enterocolitica in soil and dog faeces. Nastasi A, et al. **Boll Ist Sieroter Milan** 1936;65(2):150–2

Yersinia enterocolitica. Isolation from faeces of adults and children in Queensland. Mollee T, et al. **Med J Aust** 1985 Nov 25;143(11):488–9

A survey for Yersinia enterocolitica in water from ponds, streams and wells in Northern Nigeria. Lombin LH, et al. **Microbiologica** 1986 Jan;9(1):95–100

[Distribution of Yersinia enterocolitica in animals of Hanzhou Zoo] Xu XQ. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1986 Feb; 7(1):33–4 (Eng. Abstr.) **(Chi)**

[Arthritis caused by Yersinia enterocolitica with the presence of intra-articular germs (letter)] Treves R, et al. **Rev Rhum Mal Osteoartic** 1985 Jul-Sep;52(7–9):503 **(Fre)**

[Diagnosis and occurrence of Yersinia enterocolitica in water] Stengel G. **Zentralbl Veterinarmed [B]** 1986 Mar; 33(2):82–92 (Eng. Abstr.) **(Ger)**

[The presence of Campylobacter thermophilus, Yersinia enterocolitica and Salmonella in animals in Umbria] Cardaras P, et al. **Nuovi Ann Ig Microbiol** 1985 Jan-Feb; 36(1):33–8 (Eng. Abstr.) **(Ita)**

[Contamination of milk and milk products by Yersinia enterocolitica at stages in the technological process of their production and manufacture] Karpliuk IA, et al. **Vopr Pitan** 1985 Nov-Dec;(6):57–9 (Eng. Abstr.) **(Rus)**

METABOLISM

Utilization of cephalothin by Yersinia enterocolitica as sole carbon and energy source. Bejar V, et al. **Microbios** 1986; 46(186):51–7

PATHOGENICITY

Lack of correlation between plasmid-encoded outer membrane proteins and virulence of Yersinia enterocolitica. Mazigh D, et al. **Ann Inst Pasteur Microbiol** 1985 Jul-Aug; 136B(1):39–47

Reduced virulence of Yersinia enterocolitica by copper-induced injury. Singh A, et al. **Appl Environ Microbiol** 1985 Aug;50(2):406–11

Serotype-related HEp-2 cell interaction of Yersinia enterocolitica. Lassen J, et al. **Infect Immun** 1986 Apr; 52(1):85–9

Assessment of plasmid profile, exoenzyme activity, and virulence in recent human isolates of Yersinia enterocolitica. Bottone EJ, et al. **J Clin Microbiol** 1985 Sep;22(3):449–51

Analysis by coagglutination of the distribution of a 24,000-dalton surface protein in Yersinia isolates. Toyos J, et al. **J Clin Microbiol** 1986 Apr;23(4):804–5

Observations on the action of strains of Yersinia enterocolitica from various sources on Hep-2 cells and human foetal gut. Bojuwoye JB, et al. **Microbios** 1985; 43(174–175):149–56

PHYSIOLOGY

Ability of Yersinia enterocolitica cells to inactivate bacteriophage I at 25 degrees and 37 degrees C. Calvo C, et al. **Microbios** 1986;46(188–189):137–41

[Studies on character of 12 regenerating bacteria of Yersinia enterocolitis] Pan L, et al. **Wei Sheng Wu Hsueh Pao** 1985 Dec;25(4):372–3 **(Chi)**

ULTRASTRUCTURE

[Phenomenon of pili formation in Yersinia enterocolitica] Vodop'anov SO, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Mar;(3):30–3 (Eng. Abstr.) **(Rus)**

YERSINIA INFECTIONS

A report of three cases of Yersinia reactive arthritis. Hazelton RA, et al. **Aust NZ J Med** 1985 Jun;15(3):331–5

Yersinia enterocolitica hepatic abscesses. Hopwood AH, et al. **J Ky Med Assoc** 1986 Jan;84(1):13–5

Yersinia enterocolitica infection in children. Marriott DJ, et al. **Med J Aust** 1985 Nov 25;143(11):489–92

Yersinia enterocolitica in Australia [editorial] Steele TW. **Med J Aust** 1985 Nov 25;143(11):485–6

[Arthritis caused by Yersinia enterocolitica with the presence of intra-articular germs (letter)] Treves R, et al. **Rev Rhum Mal Osteoartic** 1985 Jul-Sep;52(7–9):503 **(Fre)**

[Yersiniosis today (editorial)] Davidson Y, et al. **Harefuah** 1985 Oct;109(7–8):209–10 **(Heb)**

COMPLICATIONS

Yersiniosis as a possible cause of acute pancreatitis. Lindholt J, et al. **Acta Chir Scand** 1985;151(8):703

Contribution to the aetiology of diabetes insipidus: Yersinia pseudotuberculosis infection. Massol J, et al. **Acta Endocrinol (Copenh)** 1985 Nov;110(3):352–3

Yersinia enterocolitica infection and toxic megacolon. Stuart RC, et al. **Br J Surg** 1986 Jul;73(7):590

Yersinia and iron overload [letter] Kelly D, et al. **Br Med J [Clin Res]** 1986 Feb 8;292(6517):413

Yersinia enterocolitica septicemia in an infant presenting as fever of unknown origin. Antonio-Santiago MT, et al. **Clin Pediatr (Phila)** 1986 Apr;25(4):213

Suppurative lymphadenitis with Yersinia enterocolitica. Toshniwal R, et al. **Eur J Clin Microbiol** 1985 Dec; 4(6):587–8

Pathogenesis of Yersinia-triggered reactive arthritis: immunological, microbiological and clinical aspects. Toivanen A, et al. **Immunol Rev** 1985 Aug;86:47–70

Study of Reiter's syndrome, with special emphasis on Yersinia enterocolitica. Yu DT, et al. **Immunol Rev** 1985 Aug;86:27–45

[Idiopathic hemochromatosis disclosed after Yersinia infection: 2 new cases (letter)] Bories C, et al. **Gastroenterol Clin Biol** 1986 Feb;10(2):184–5 (Fre)

[Endocarditis caused by Yersinia enterocolitica serotype 0:8. First case in Europe (letter)] Quinsat D, et al. **Presse Med** 1986 Mar 8;15(10):487 (Fre)

[Reactive arthritis due to Yersinia enterocolitica] Manso E, et al. **Recenti Prog Med** 1986 Apr;77(4):191–5 (Eng. Abstr.) (Ita)

[Role of viral and bacterial infections in children with pseudotuberculosis] Bystriakova LV, et al. **Pediatriia** 1986 Mar;(3):14–6 (Eng. Abstr.) (Rus)

DIAGNOSIS

The determination of specific IgA-antibodies to Yersinia enterocolitica and their role in enteric infections and their complications. Larsen JH, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Oct; 93(5):331–9

Yersinia arthritis [letter] Mullins RJ. **Aust NZ J Med** 1986 Feb;16(1):83

Yersinia infections: a cause of abdominal pain in childhood. Stirling HF, et al. **Br J Hosp Med** 1986 Jun;35(6):413–4

Yersinia colitis masquerading as pseudomembranous colitis. Brown R, et al. **Dig Dis Sci** 1986 May;31(5):548–51

Plaguelike presentation of Yersinia enterocolitica disease. Alvin R, et al. **J Pediatr** 1986 Jul;109(1):79–80

Yersinia enterocolitica mimicking Crohn's disease [letter] Macfarlane PI, et al. **J Pediatr Gastroenterol Nutr** 1986 Jul–Aug;5(4):671

Interstitial pneumonia and sepsis caused by Yersinia enterocolitica serotype 3. Södervik H, et al. **Scand J Infect Dis** 1986;18(3):241–3

[Arthritis due to Yersinia enterocolitica] Gilis F, et al. **Rev Med Liege** 1985 Sep 15;40(18):628–35 (46 ref.) (Fre)

[Yersinia enterocolitica ileitis of the last segment] Iafrancesco D, et al. **Minerva Chir** 1986 Jun 30;41(11–12):977–80 (Eng. Abstr.) (Ita)

[Clinico-laboratory characteristics of Yersinia infection] Novikov PL, et al. **Sov Med** 1986;(4):96–7 (Rus)

[Clinico-immunological parallels in Yersinia infection simulating food poisoning] Novoselova Elu, et al. **Sov Med** 1986;(4):87–9 (Rus)

[Clinico-epidemiological characteristics of pseudotuberculosis] Latenko IuP, et al. **Vrach Delo** 1986 Mar;(3):108–11 (Eng. Abstr.) (Rus)

[Use of solid-phase immunoenzyme analysis for the serodiagnosis of pseudotuberculosis] Sbolchakov VB, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Jul;(7):83–6 (Eng. Abstr.) (Rus)

[Yersinia enterocolitica septicemia in a thalassemic girl] Aristegui J, et al. **An Esp Pediatr** 1985 Jul;23(1):51–8 (Eng. Abstr.) (Spa)

ETIOLOGY

Fatal Yersinia enterocolitica sepsis after blood transfusion. Wright DC, et al. **Arch Pathol Lab Med** 1985 Nov; 109(11):1040–2

Life-threatening sepsis complicating heavy metal chelation therapy with desferrioxamine. Boyce N, et al. **Aust NZ J Med** 1985 Oct;15(5):654–5

Transfusion acquired Yersinia enterocolitica. Galloway SJ, et al. **Aust NZ J Med** 1986 Apr;16(2):248

Infection with Yersinia enterocolitica in patients with iron overload. Chiu HY, et al. **Br Med J [Clin Res]** 1986 Jan 11;292(6513):97

Abortion and early neonatal death of kids attributed to intrauterine Yersinia pseudotuberculosis infection. Witte ST, et al. **J Am Vet Med Assoc** 1985 Oct 15;187(8):834

Fatal sepsis from blood contaminated with Yersinia enterocolitica: a case report. Collins PS, et al. **Milit Med** 1985 Dec;150(12):689–92

Yersinia sepsis in patients with iron overload treated with deferoxamine [letter] Gallant T, et al. **N Engl J Med** 1986 Jun 19;314(25):1643

Fatal septicemia caused by Yersinia enterocolitica in thalassemia major. Pérez Trallero E, et al. **Pediatr Infect Dis** 1986 Jul–Aug;5(4):483–5

Yersinia enterocolitica infection; a case report from Bangladesh. Neogi PK, et al. **Trop Geogr Med** 1985 Dec; 37(4):362–4

[Incidence of Yersinia enterocolitica pharyngitis in adults] Kálmán M, et al. **Orv Hetil** 1986 Jul 27;127(30):1829–31 (Eng. Abstr.) (Hun)

[Yersinia enterocolitica sepsis in splenectomized thalassemic subjects. Description of 2 cases] Rasore-Quartino A, et al. **Pediatr Med Chir** 1986 Jan–Feb;8(1):121–4 (Eng. Abstr.) (Ita)

[Role of biologically active substances in the pathogenesis of the allergic component of pseudotuberculosis in children] Protasenia II. **Pediatriia** 1985 Jul;(7):51–2 (Rus)

[Components of the outer membrane of Yersinia pseudotuberculosis and their role in the pathogenesis of pseudotuberculosis] Timchenko NF, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Jun;(6):38–41 (Eng. Abstr.) (Rus)

[Yersinia enterocolitica sepsis in a patient with sideroblastic anemia (letter)] Ramos Ortega FJ, et al. **Med Clin (Barc)** 1986 Apr 19;86(15):656 (Spa)

IMMUNOLOGY

Immune function in patients with previous yersinia arthritis: lymphocyte responses to PHA and Staphylococcus aureus strain Cowan I. Repo H, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1986 Feb; 94(1):39–43

IgA-anti-yersinia antibodies in yersinia triggered reactive arthritis. Granfors K, et al. **Ann Rheum Dis** 1986 Jul; 45(7):561–5

The interplay of microbe and MHC in the pathogenesis of Reiter's syndrome. Inman RD. **Clin Exp Rheumatol** 1986 Jan–Mar;4(1):75–82

A case of infection of Yersinia pseudotuberculosis associated with complement abnormalities. Yasuda M, et al. **Fukuoka Igaku Zasshi** 1985 Jul;76(7):399–405

Yersinia enterocolitica infection in resistant and susceptible strains of mice. Hancock GE, et al. **Infect Immun** 1986 Jul;53(1):26–31

Antibody responses in arthritic and uncomplicated Yersinia enterocolitica infections. Mattila PS, et al. **J Clin Immunol** 1985 Nov;5(6):404–11

Characterization of a Yersinia enterocolitica antigen common to enterocolitis-associated serotypes. Díaz R, et al. **J Clin Microbiol** 1985 Dec;22(6):1035–9

Protection against Yersinia infection induced by non-virulence-plasmid-encoded antigens. Simonet M, et al. **J Med Microbiol** 1985 Oct;20(2):225–31

Immunomodulation in mice by experimental infection with Yersinia enterocolitica. Ruiz-Bravo A, et al. **Microbiol Immunol** 1985;29(11):1089–97

[Frequent occurrence of Yersinia infection in hemosiderosis] Krüger N, et al. **Monatsschr Kinderheilkd** 1985 Dec; 133(12):876–8 (Eng. Abstr.) (Ger)

[Sensitization of Yersinia arthropathy patients to HLA-B27 antigen] Zotikov EA, et al. **Revmatologiia (Moskva)** 1985 Jul–Sep;(3):56–8 (Eng. Abstr.) (Rus)

MICROBIOLOGY

Infrequent detection of Yersinia enterocolitica in childhood diarrhea in Bangladesh. Carniel E, et al. **Am J Trop Med Hyg** 1986 Mar;35(2):370–1

Incidence of human infection with Yersinia enterocolitica serotypes O3, O8, and O9 and the use of indirect immunofluorescence in diagnosis. Hoogkamp-Korstanje JA, et al. **J Infect Dis** 1986 Jan;153(1):138–41

Yersinia enterocolitica plasmid in fecal flora of patients with reactive arthritis [letter] Viitanen AM, et al. **J Infect Dis** 1986 Aug;154(2):376

Observations on the action of strains of Yersinia enterocolitica from various sources on Hep-2 cells and human foetal gut. Bojuwoye JB, et al. **Microbios** 1985; 43(174–175):149–56

[Yersinia enterocolitica endocarditis] Pedersen C, et al. **Ugeskr Laeger** 1985 Jul 8;147(28):2236–7 (Eng. Abstr.) (Dan)

[Changes in pathogens of children's bacterial gastroenteritis: clinical aspects of Yersinia enterocolitica gastroenteritis] Kato I, et al. **Kansenshogaku Zasshi** 1985 Dec; 59(12):1184–90 (Eng. Abstr.) (Jpn)

[A case of acute terminal ileitis caused by Yersinia pseudotuberculosis] Koshiyama H, et al. **Nippon Naika Gakkai Zasshi** 1986 May;75(5):650–3 (Jpn)

[Occurrence and level of antibodies against Yersinia enterocolitica O antigens detected in select human groups by the passive hemagglutination test] Kałużewski S, et al. **Med Dosw Mikrobiol** 1985;37(3–4):147–64 (Eng. Abstr.) (Pol)

[Isolation of Yersinia using the alkaline method] Kuznetsov VG. **Lab Delo** 1986;(6):365–7 (Eng. Abstr.) (Rus)

[Epidemiologic significance of urease-positive yersiniae in anthropurgic foci of pseudotuberculosis] Kuznetsov VG, et al. **Voen Med Zh** 1986 Jan;(1):39–40 (Rus)

[Taxonomy of the causative agents of plague and pseudotuberculosis] Aparin GP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Aug;(8):101–4 (26 ref.) (Rus)

OCCURRENCE

Yersiniosis in Saskatchewan. Martin T, et al. **Can J Public Health** 1985 Sep-Oct;76(5):333–5

[Yersinia enterocolitica infection has taken hold even in our country] Zardi O, et al. **G Batteriol Virol Immunol** 1984 Jul–Dec;77(7–12):200–7 (Eng. Abstr.) (Ita)

[Yersinia pseudotuberculosis plasmids and their significance in the realization of the epidemic process in pseudotuberculosis] Shubin FN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Dec;(12):53–6 (Eng. Abstr.) (Rus)

PATHOLOGY

A patient with hemosiderosis and multiple liver abscesses due to Yersinia enterocolitica. Beeching NJ, et al. **Pathology** 1985 Jul;17(3):530–2

Clinical, morphological, and biochemical alterations in acute intestinal Yersiniosis. O'Loughlin EV, et al. **Pediatr Res** 1986 Jul;20(7):602–8

[Structural changes in the kidneys during experimental infection caused by Yersinia pseudotuberculosis] Isachkova LM, et al. **Biull Eksp Biol Med** 1986 Jul;102(7):109–12 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

[State of the kidneys in patients with pseudotuberculosis] Karbysheva NV. **Klin Med (Mosk)** 1985 May;63(5):123–5 (Eng. Abstr.) (Rus)

RADIOGRAPHY

[Case of ileocolitis caused by Yersinia enterocolitica. Discussion on the radiological aspect] Soardi GA, et al. **Radiol Med (Torino)** 1984 Dec;70(12):1005–7 (Ita)

TRANSMISSION

A case of hospital-acquired Yersinia enterocolitica gastroenteritis. McIntyre M, et al. **J Hosp Infect** 1986 May; 7(3):299–301

Presence of zoonotic pathogens (Yersinia spp., Campylobacter jejuni, Salmonella spp., and Leptospira spp.) simultaneously in dogs and cats. Fukushima H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Dec; 181(3–5):430–40

[Yersinia enterocolitica and Campylobacter jejuni in their significance for milk hygiene] Primavesi CA. **Off Gesundheitswes** 1985 Jul;47(7):295–7 (Ger)

[Occurrence of human pathogenic Yersinia enterocolitica strains in drinking water] Püllen R, et al. **Off Gesundheitswes** 1986 Mar;48(3):144–6 (Eng. Abstr.) (Ger)

VETERINARY

Differentiation of Brucella abortus and Yersinia enterocolitica serotype 09 infections: use of lymphocyte transformation test. Chukwu CC. **Int J Zoonoses** 1985 Jun; 12(2):126–35

Serological cross-reactions between Brucella abortus and Yersinia enterocolitica 0:9. Mittal KR, et al. **Int J Zoonoses** 1985 Sep;12(3):219–27

Naturally occurring Yersinia enterocolitica septicemia in patas monkeys (Erythrocebus patas). Skavlen PA, et al. **Lab Anim Sci** 1985 Oct;35(5):488–90

Yersinia enterocolitica biotype 3B serotype 03 phage type II infection in pigs. Fukushima H, et al. **Nippon Juigaku Zasshi** 1985 Dec;47(6):1011–5

Yersinia enterocolitica associated with third trimester abortion in buffaloes. Das AM, et al. **Trop Anim Health Prod** 1986 May;18(2):109–12

[Occurrence of yersinia in birds] Glünder G, et al. **DTW** 1986 Jan 7;93(1):27–9 (Eng. Abstr.) (Ger)

YERSINIA PESTIS

CLASSIFICATION

[Taxonomy of the causative agents of plague and pseudotuberculosis] Aparin GP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Aug;(8):101–4 (26 ref.) (Rus)

CYTOLOGY

[Characteristics of the multiplication of a virulent strain of the plague microbe in Xenopsylla cheopis fleas infected parenterally] Vashchenok VS, et al. **Parazitologiia** 1985 Jul–Aug;19(4):273–6 (Eng. Abstr.) (Rus)

ENZYMOLOGY

[Serine trypsin-like proteinase from the cells of the causative agent of plague Yersinia pestis] Loseva SP, et al. **Dokl Akad Nauk SSSR** 1985;285(3):727–30 (Rus)

GENETICS

Role of a plasmid in the pathogenicity of Yersinia species. Portnoy DA, et al. **Curr Top Microbiol Immunol** 1985; 118:29–51 (76 ref.)

Virulence genes regulated at the transcriptional level by Ca2+ in Yersinia pestis include structural genes for outer membrane proteins. Straley SC, et al. **Infect Immun** 1986 Feb;51(2):445–54

Isolation and characterization of Ca2+-blind mutants of Yersinia pestis. Yother J, et al. **J Bacteriol** 1985 Nov; 164(2):704–11

Temperature-controlled plasmid regulon associated with low calcium response in Yersinia pestis. Yother J, et al. **J Bacteriol** 1986 Feb;165(2):443–7

IMMUNOLOGY

[Bactericidal activity of immune serum against Y. pestis] Gao M. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1986 Jun; 7(3):149–52 (Eng. Abstr.) (Chi)

[Mathematical modelling of the interaction of the plague capsular antigen with antibodies of varying affinity] Levi MI. **Antibiot Med Biotekhnol** 1986 Mar;31(3):203–9 (Eng. Abstr.) (Rus)

[Use of monoclonal antibodies for the production of a plague antibody erythrocyte diagnostic agent] Kanatov IuV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Aug;(8):73–8 (Eng. Abstr.) (Rus)

[Preparation and use of magnetic sorbents for studying microorganism antigens] Pushkar' VG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Dec;(12):30–5

(Eng. Abstr.) (Rus)
[Results of a trial of a plague monoclonal antibody erythrocyte diagnostic agent] Sergiev VP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Nov;(11):82–7 (Eng. Abstr.) (Rus)

ISOLATION & PURIFICATION

[Isolation of Yersinia pestis in plague foci in northeast Brazil from 1966 to 1982] de Almeida AM, et al. **Rev Inst Med Trop Sao Paulo** 1985 Jul–Aug;27(4):207–18 (Eng. Abstr.) (Por)
[Kinetics of the immunologic agglutination reaction and express determination of bacteria using an automated laser photon-correlation spectrometer] Ersh IG, et al. **Dokl Akad Nauk SSSR** 1986;287(5):1239–44 (Rus)

PATHOGENICITY

Plasmid-determined cytotoxicity in Yersinia pestis and Yersinia pseudotuberculosis. Goguen JD, et al. **Infect Immun** 1986 Mar;51(3):788–94
Plasmids and pestilence—biological and clinical aspects of bubonic plague. **West J Med** 1986 Apr;144(4):447–51
[Pathogenic action of the plague microbe on the flea Xenopsylla cheopis and the ultrastructure of the causative agent at various times of its stay in the vector] Konnov NP, et al. **Parazitologiia** 1986 Jan–Feb;20(1):19–22 (Eng. Abstr.) (Rus)
[Virulence, viability and antibiotic sensitivity of the causative agent of plague growing on nutrient media at 28 and 37 degrees C] Sheremt OV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 May;(5):53–6 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Probing the phagolysosomal environment of human macrophages with a Ca2+-responsive operon fusion in Yersinia pestis. Pollack C, et al. **Nature** 1986 Aug 28–Sep 3;322(6082):834–6

YOGA

Yoga for bronchial asthma [letter] **Br Med J [Clin Res]** 1985 Nov 23;291(6507):1506–7
Yoga for bronchial asthma: a controlled study. Nagarathna R, et al. **Br Med J [Clin Res]** 1985 Oct 19;291(6502):1077–9
Improvement in muscular efficiency as related to a standard task after yogic exercises in middle aged men. Ray US, et al. **Indian J Med Res** 1986 Mar;83:343–8
Effect of yogic exercises on lean body mass. Madhavi S, et al. **J Assoc Physicians India** 1985 Jul;33(7):465–6
An integrated approach of yoga therapy for bronchial asthma: a 3–54-month prospective study. Nagendra HR, et al. **J Asthma** 1986;23(3):123–37
The TM-Sidhi programme, age, and brief tests of perceptual-motor speed and nonverbal intelligence. Jedrczak A, et al. **J Clin Psychol** 1986 Jan;42(1):161–4

YOGURT see under DAIRY PRODUCTS

YOHIMBANS

METABOLISM

Synthesis and characterization of a high affinity radioiodinated probe for the alpha 2-adrenergic receptor. Lanier SM, et al. **Mol Pharmacol** 1986 Mar;29(3):219–27

PHARMACODYNAMICS

[Effects of dihydroflavopereirine and sempervirine (alkaloid derivatives of beta-carboline) on cancerous cells in culture] Bassleer R, et al. **Ann Pharm Fr** 1985;43(1):83–8 (Eng. Abstr.) (Fre)

YOHIMBINE

3H-clonidine and 3H-yohimbine binding to glass fiber filters: implications for studies with platelet membranes. Piletz JE, et al. **Psychopharmacology (Berlin)** 1986;89(3):370–7

ADMINISTRATION & DOSAGE

Effects of yohimbine on combined xylazine-ketamine-induced sedation and immobilization in juvenile African elephants. Jacobson ER, et al. **J Am Vet Med Assoc** 1985 Dec 1;187(11):1195–8

ANALYSIS

Simultaneous spectrophotometric determination of strychnine and yohimbine in pharmaceutical preparations. Salama O, et al. **Analyst** 1986 May;111(5):581–3
[Yohimbine—a representative casualty in medicine] Thies PW. **Pharm Unserer Zeit** 1986 Mar;15(2):53–6 (Ger)

BLOOD

Alpha-2-adrenoreceptor density on intact platelets and adrenaline-induced platelet aggregation in endurance- and nonendurance-trained subjects. Lehmann M, et al. **Int J Sports Med** 1986 Jun;7(3):172–6
Determination of yohimbine hydrochloride in horse serum using high-performance liquid chromatography. Akbari A, et al. **J Chromatogr** 1986 Jun 27;361:400–2
Sub-nanogram analysis of yohimbine and related compounds by high-performance liquid chromatography. Owen JA, et al. **J Chromatogr** 1985 Aug 9;342(2):333–40
Alpha 2-adrenergic receptors on canine platelet membranes characterized by [3H]-yohimbine binding. O'Hara N, et al. **Res Commun Chem Pathol Pharmacol** 1986 May; 52(2):179–94
Differential labeling of platelet alpha 2 adrenoceptors by 3H dihydroergocryptine and 3H yohimbine in patients with myeloproliferative disorders. Swart SS, et al. **Thromb Res** 1985 Dec 1;40(5):623–9

DIAGNOSTIC USE

Alpha 2 adrenergic receptors in hyperplastic human prostate: identification and characterization using [3H] rauwolscine. Shapiro E, et al. **J Urol** 1986 May;135(5):1038–42
Influence of yohimbine on release of anterior pituitary hormones. Goldberg MR, et al. **Life Sci** 1986 Aug 4; 39(5):395–8

METABOLISM

A comparison of the binding characteristics of the alpha 2-adrenoceptor antagonists 3H-yohimbine and 3H-rauwolscine in bovine teat muscles. Roets E, et al. **Arch Int Pharmacodyn Ther** 1986 Feb;279(2):212–22
Effect of proteases and phospholipases on [3H]yohimbine binding to human platelet membranes. Periyasamy S, et al. **Biochem Pharmacol** 1986 Sep 15;35(18):3131–6
Characterization of [3H]rauwolscine binding to alpha 2-adrenoceptor sites in the lumbar spinal cord of the cat: comparison to such binding sites in the cat frontal cerebral cortex. Howe JR, et al. **Brain Res** 1986 Mar 12; 368(1):87–100
Heterogeneity of mammalian alpha 2-adrenoceptors delineated by [3H]yohimbine binding. Dickinson KE, et al. **Eur J Pharmacol** 1986 Jan 29;120(3):285–93
[3H]clonidine and [3H]yohimbine binding to solubilized alpha 2-adrenoceptors from rat cerebral cortex. Kitamura Y, et al. **Eur J Pharmacol** 1986 Apr 16;123(2):263–70
[3H]Yohimbine binding to human platelet membranes: evidence for high and low affinity binding sites with negative cooperativity. Periyasamy SM, et al. **Eur J Pharmacol** 1985 Oct 8;116(1-2):17–24
Light microscopic autoradiography of the distribution of [3H]rauwolscine binding to alpha 2-adrenoceptors in rat kidney. Stephenson JA, et al. **Eur J Pharmacol** 1985 Oct 22;116(3):271–8
Involvement of guanine nucleotide and sodium in regulation of yohimbine and clonidine binding sites in the HT29 human colon adenocarcinoma cell-line. Bouscarel B, et al. **Gen Pharmacol** 1985;16(6):641–4
Increased density of (3H)-yohimbine binding sites in spontaneously hypertensive rat mesenteric artery. Agrawal DK, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S107–10
Alpha-2 adrenergic receptor localization in the rat heart and kidney using autoradiography and tritiated rauwolscine. Muntz KH, et al. **J Pharmacol Exp Ther** 1986 Feb; 236(2):542–7
Alpha-2 adrenergic receptor subtypes indicated by [3H]yohimbine binding in human brain. Petrash AC, et al. **Life Sci** 1986 Jun 9;38(23):2129–37
A reassessment of the binding of [3H]rauwolscine to membranes from the rat cortex. Broadhurst AM, et al. **Neuropharmacology** 1986 Mar;25(3):287–95
Studies of alpha 2-adrenergic receptors of intact and functional washed human platelets by binding of 3H-dihydroergocryptine and 3H-yohimbine—correlation of 3H-yohimbine binding with the potentiation by adrenaline of ADP-induced aggregation. Lanza F, et al. **Thromb Haemost** 1985 Aug 30;54(2):402–8

PHARMACODYNAMICS

Cerebrovascular responses to haemorrhagic hypotension in anaesthetized cats. Effects of alpha-adrenoceptor antagonists. Edvinsson L, et al. **Acta Physiol Scand** 1985 Mar;123(3):317–23
Effect of yohimbine hydrochloride on serum prolactin concentration in the rat: possible antagonist for fescue toxicosis. Jernigan AD, et al. **Am J Vet Res** 1986 Apr; 47(4):949–52
Alterations in the arrhythmogenic dose of epinephrine after adrenergic receptor blockade with prazosin, metoprolol, or yohimbine in halothane-xylazine-anesthetized dogs. Tranquilli WJ, et al. **Am J Vet Res** 1986 Jan;47(1):114–8
Effects of clonidine and yohimbine on plasma cyclic nucleotide levels in clonidine-naive and clonidine-treated mice. Muraki T, et al. **Arch Int Pharmacodyn Ther** 1986 Apr;280(2):264–74
Contractile action of yohimbine in the dog basilar artery. Oshita M, et al. **Blood Vessels** 1985;22(6):257–64
Interactions between the effects of yohimbine, clonidine and [Ca]o on the electrical response of the mouse vas deferens. Blakeley AG, et al. **Br J Pharmacol** 1986 Aug;88(4):807–14
Effects of intrathecally administered methysergide and yohimbine on microstimulation-produced antinociception in the rat. Barbaro NM, et al. **Brain Res** 1985 Sep 23; 343(2):223–9
Single unit activity of locus coeruleus neurons in the freely moving cat. II. Conditioning and pharmacologic studies. Rasmussen K, et al. **Brain Res** 1986 Apr 23;371(2):335–44
Amitraz-induced prolongation of gastrointestinal transit and bradycardia in dogs and their antagonism by yohimbine: preliminary study. Hsu WH, et al. **Drug Chem Toxicol** 1985; 8(4):239–53
Suppression of PCP-induced behavioral arousal in the rat by yohimbine pretreatment. Byron K, et al. **Eur J Pharmacol** 1985 Nov 5;117(2):271–3
Prazosin but not rauwolscine reduces a component of the constrictor action of thrombin in the rabbit femoral artery. Garland CJ, et al. **Eur J Pharmacol** 1985 Jul 11;113(1):151–2
Yohimbine can not exert its anticonvulsant action in genetically audiogenic seizure-prone mice. Ludvig N, et al. **Eur J Pharmacol** 1985 Sep 10;115(1):123–4
Cardiovascular effects of perfusion of the rostral rat hypothalamus with clonidine: differential interactions with prazosin and yohimbine. Pitts DK, et al. **Eur J Pharmacol** 1986 May 13;124(1-2):67–74
Beta 1-adrenoceptor antagonism by urapidil prior to and after the alpha 2-antagonist rauwolscine in anesthetized dogs. Rassier ME, et al. **Eur J Pharmacol** 1986 Mar 11; 122(1):37–43
Effects of Iskedyl and its two constituents raubasine and dihydroergocristine on the release of [3H]noradrenaline and [3H]serotonin in canine basilar arteries. Verbeuren TJ, et al. **Eur J Pharmacol** 1986 Jun 5;125(1):1–10
Yohimbine antagonism of the vasodepression elicited by organophosphates applied on ventral medulla oblongata. Edery H, et al. **J Auton Nerv Syst** 1985 Nov;14(3):229–38
Use of alpha 2 adrenoreceptor agonists and antagonists in the functional assessment of the sympathetic nervous system. Robertson D, et al. **J Clin Invest** 1986 Aug; 78(2):576–81
Yohimbine affects the evoked overflow of neurotransmitters from rat brain slices by more than one mechanism. Hagan RM, et al. **J Pharm Pharmacol** 1986 Mar;38(3):195–200
Effect of yohimbine on amitraz-induced CNS depression and bradycardia in dogs. Hsu WH, et al. **J Toxicol Environ Health** 1986;18(3):423–9
Yohimbine hydrochloride as an antagonist to xylazine hydrochloride-ketamine hydrochloride immobilization of white-tailed deer. Mech LD, et al. **J Wildl Dis** 1985 Oct; 21(4):405–10
Use of yohimbine hydrochloride to reverse immobilization of polar bears by ketamine hydrochloride and xylazine hydrochloride. Ramsay MA, et al. **J Wildl Dis** 1985 Oct; 21(4):396–400
Antagonism of xylazine hydrochloride with yohimbine hydrochloride and 4-aminopyridine in captive wapiti. Renecker LA, et al. **J Wildl Dis** 1986 Jan;22(1):91–6
Effect of caffeine sodium benzoate, ketamine hydrochloride, and yohimbine hydrochloride on xylazine hydrochloride-induced anorexia in white-tailed deer. Van der Eems K, et al. **J Wildl Dis** 1986 Jul;22(3):403–6
Failure of yohimbine to reverse ketamine anesthesia in rhesus monkeys. Lynch S, et al. **Lab Anim Sci** 1985 Aug; 35(4):417–8
The effects of yohimbine on exploratory and locomotor behaviour are attributable to its effects at noradrenaline and not at benzodiazepine receptors. Chopin P, et al. **Neuropharmacology** 1986 Jan;25(1):53–7
Differential sensitivity to prazosin and yohimbine blockade of tyramine and noradrenaline. Lucchelli A, et al. **Pharmacol Res Commun** 1985 Aug;17(8):787–801
Influence of yohimbine on the ACTH-induced behavioural syndrome, in rats. Poggioli R, et al. **Pharmacol Res Commun** 1985 Jul;17(7):671–8
Testosterone is not required for the enhancement of sexual motivation by yohimbine. Clark JT, et al. **Physiol Behav** 1985 Oct;35(4):517–21
Effect of various catecholamine antagonists on prolactin secretion in conscious male rabbits [letter] Hsu WH. **Proc Soc Exp Biol Med** 1986 Mar;181(3):325
Behavioral, biochemical, and blood pressure responses to alprazolam in healthy subjects: interactions with yohimbine. Charney DS, et al. **Psychopharmacology (Berlin)** 1986;88(2):133–40
Imidazole has similar behavioural effects to yohimbine. Ferrari F, et al. **Psychopharmacology (Berlin)** 1986; 88(1):58–62
Evidence that serotonin receptors are involved in the anticonvulsant effect of yohimbine in mice. Ludvig N, et al. **Psychopharmacology (Berlin)** 1986;88(1):82–5
Effect of neonatal testosterone administration and beta adrenergic stimulation on adult prolactin levels. Vidal MJ, et al. **Rev Esp Fisiol** 1986 Mar;42(1):139–40
Yohimbine attenuates the delayed lethality induced in mice by amitraz, a formamidine pesticide. Moser VC, et al. **Toxicol Lett** 1985 Nov;28(2-3):99–104
Reversal of the effects of xylazine and xylazine/ketamine in red deer. McKelvey WA, et al. **Vet Rec** 1985 Oct 5; 117(14):362–3
Reversal of xylazine in red deer [letter] Mackintosh CG. **Vet Rec** 1985 Nov 9;117(19):507
[Clinical use of yohimbine as an antagonist of xylazine depression of the central nervous system in cats] Ekr J, et al. **Vet Med (Praha)** 1986 May;31(5):307–12 (Eng. Abstr.) (Cze)
[Differential inhibition of raubasine and tetrahydroalstonine on the vasopressor response to sympathetic nervous stimulation and intravenous noradrenaline in the pithed rat] Roquebert J, et al. **J Pharmacol** 1985 Oct-Dec;16(4):412–20 (Eng. Abstr.) (Fre)

THERAPEUTIC USE

Yohimbine and imipramine-induced orthostatia [letter] Hyatt M, et al. **Am J Psychiatry** 1986 Mar;143(3):389–90
Yohimbine for treatment of xylazine overdosing in a cat. Jensen WA. **J Am Vet Med Assoc** 1985 Sep 15;187(6):627–8
Yohimbine antagonism to xylazine in free-ranging mule deer and desert bighorn sheep. Jessup DA, et al. **J Am Vet Med Assoc** 1985 Dec 1;187(11):1251–3
Immobilization of free-ranging desert bighorn sheep, tule elk, and wild horses, using carfentanil and xylazine: reversal with naloxone, diprenorphine, and yohimbine. Jessup DA, et al. **J Am Vet Med Assoc** 1985 Dec 1;187(11):1253–4
Use of yohimbine and 4-aminopyridine to antagonize xylazine-induced immobilization in North American Cervidae. Renecker LA, et al. **J Am Vet Med Assoc** 1985 Dec 1;187(11):1199–201
Xylazine emesis, yohimbine and motion sickness susceptibility in the cat. Lucot JB, et al. **J Pharmacol Exp Ther** 1986 May;237(2):450–5
Potential antidote for Rompun (xylazine) in humans [letter] Mackintosh C. **NZ Med J** 1985 Aug 28;98(785):714–5
Effect of amitraz on heart rate and aortic blood pressure in conscious dogs: influence of atropine, prazosin, tolazoline, and yohimbine. Hsu WH, et al. **Toxicol Appl Pharmacol** 1986 Jun 30;84(2):418–22
[Therapy of organic psychosyndromes of cerebrovascular origin with a vasoactive drug combination] Lesch OM, et al. **Wien Med Wochenschr** 1985 Sep 30;135(18):459–65 (Eng. Abstr.) (Ger)

YOLK SAC

ANALYSIS

Vitamin D-dependent calcium-binding protein of mouse yolk sac. Biochemical and immunochemical properties and responses to 1,25-dihydroxycholecalciferol. Bruns ME, et al. **J Biol Chem** 1986 Jun 5;261(16):7485–90
Glucocorticoid receptors in murine visceral yolk sac and liver during development. Andrews GK. **J Steroid Biochem** 1985 Oct;23(4):437–43

ANATOMY & HISTOLOGY

The morphology of the haemopoietic cells of the yolk sac in mice with particular reference to nucleolar changes. Sasaki K, et al. **J Anat** 1985 Mar;140 (Pt 2):279–95
Yolk sac sign: sonographic appearance of the fetal yolk sac in missed abortion. Hurwitz SR. **J Ultrasound Med** 1986 Aug;5(8):435–8

CYTOLOGY

Presence of alkaline-phosphatase-positive reticulum cells in fetal liver and bone marrow of mice and their absence in yolk sac. Ahmad LA, et al. **Exp Hematol** 1986 Sep; 14(8):705–9
Xce genotype has no impact on the effect of imprinting on X-chromosome expression in the mouse yolk sac endoderm. Bücher T, et al. **Genet Res** 1986 Feb;47(1):43–8
Properties of the earliest clonogenic hemopoietic precursors to appear in the developing murine yolk sac. Wong PM, et al. **Proc Natl Acad Sci USA** 1986 Jun;83(11):3851–4
Reliable preparative procedures for the cytological study of yolk-laden insect eggs and embryos. Pétavy G. **Stain Technol** 1985 Nov;60(6):321–30
Embryonic erythroid cells transformed by avian erythroblastosis virus may proliferate and differentiate. Jurdic P, et al. **Virology** 1985 Jul 15;144(1):73–9

DRUG EFFECTS

Rat visceral yolk sac: a target for parathyroid hormone action. Gügi B, et al. **Am J Physiol** 1986 Jul;251(1 Pt 1):E27–31
Effects of cyproheptadine on the rat yolk sac membrane and embryonic development in vitro. Schmid BP, et al. **Xenobiotica** 1985 Aug-Sep;15(8–9):695–9

ENZYMOLOGY

Purification and characterization of benzoyl-L-tyrosine ethyl ester hydrolase from the yolk sac membrane of chicken egg. Sugimoto Y, et al. **Biochem Cell Biol** 1986 Jun; 64(6):543–7
Presence of sucrase in the yolk sac of the chick. Matsushita S. **J Exp Zool** 1986 Mar;237(3):337–46
Changes in proteins from yolk and in the activity of benzoyl-L-tyrosine ethyl ester hydrolase from the yolk sac membrane during embryonic development of the chicken. Sugimoto Y, et al. **Poult Sci** 1986 Apr;65(4):789–94
Hydrolase cytochemistry in murine rodent decidua, yolk sac, and placenta with special reference to proteases. Graf R, et al. **Z Mikrosk Anat Forsch** 1985;99(6):959–84
[Hemoprotein absorption and peptidase patterns of visceral yolk sac epithelium during development of the rat] Kugler P. **Acta Histochem [Suppl] (Jena)** 1986;32:191–4 (Ger)

IMMUNOLOGY

Development of Thy 1-positive cells in mouse yolk sac cultured from 10 days of gestation. Haar JL, et al. **Dev Comp Immunol** 1986 Winter;10(1):79–84
Assay and characterization of IgG binding to endodermal cells of the fetal rabbit yolk sac membrane. Johanson RA, et al. **J Immunol Methods** 1985 Nov 28;84(1-2):221–33

METABOLISM

Immunochemical localization of vitamin D-dependent calcium-binding protein in mouse placenta and yolk sac. Bruns ME, et al. **Anat Rec** 1985 Dec;213(4):514–7, 532–5
Biosynthesis of proteoglycans by rat embryo parietal yolk sacs in organ culture. Iozzo RV, et al. **J Biol Chem** 1986 May 25;261(15):6658–69
Glucocorticoid receptors in developing mouse visceral yolk sac and liver. Andrews GK. **Prog Clin Biol Res** 1986; 217A:371–4
[Characteristics of ceruloplasmin synthesis in mammalian embryogenesis. 2. The yolk sac as the site of the primary expression of the ceruloplasmin gene in rats] Baranov VS, et al. **Ontogenez** 1986 Jan-Feb;17(1):37–46 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Study on membrane recycling in the rat visceral yolk-sac endoderm using concanavalin-A conjugates. Kugler P, et al. **Histochemistry** 1985;83(4):359–67
Human embryonic hemopoiesis. Kinetics of progenitors and precursors underlying the yolk sac——liver transition. Migliaccio G, et al. **J Clin Invest** 1986 Jul;78(1):51–60
The role of the yolk sac in craniofacial development of cultured rat embryos. Eto K, et al. **J Craniofac Genet Dev Biol** 1985;5(4):357–61
Ultrastructural studies of protein transfer across rodent yolk sac. Jollie WP. **Placenta** 1986 May-Jun;7(3):263–81

ULTRASTRUCTURE

Electron microscopic studies of macrophages in early human yolk sacs. Enzan H. **Acta Pathol Jpn** 1986 Jan;36(1):49–64
Helical structure in the apical tubules of several absorbing epithelia. Kidney proximal tubule, visceral yolk sac and ductuli efferentes. Hatae T, et al. **Cell Tissue Res** 1986; 244(1):39–46
Effects of sera from Cohen, genetically determined diabetic rats, streptozotocin diabetic rats and sucrose fed rats on in vitro development of early somite rat embryos. Ornoy A, et al. **Diabetes Res** 1986 Jan;3(1):43–51
Ultrastructure of the full-term shark yolk sac placenta. III. The maternal attachment site. Hamlett WC, et al. **J Ultrastruct Res** 1985 Jun;91(3):221–31
Ultrastructure of the full-term shark yolk sac placenta. II. The smooth, proximal segment. Hamlett WC, et al. **J Ultrastruct Res** 1985 Jun;91(3):207–20
Ultrastructure of the full-term shark yolk sac placenta. I. Morphology and cellular transport at the fetal attachment site. Hamlett WC, et al. **J Ultrastruct Res** 1985 Jun; 91(3):192–206
Yolk sac failure in embryopathy due to hyperglycemia: ultrastructural analysis of yolk sac differentiation associated with embryopathy in rat conceptuses under hyperglycemic conditions. Pinter E, et al. **Teratology** 1986 Feb;33(1):73–84

YOLK SAC TUMOR see **MESONEPHROMA**

YOMESAN see **NICLOSAMIDE**

YOUTH see **ADOLESCENCE**

YTTERBIUM

DIAGNOSTIC USE

Ytterbium acetate as a particulate-phase digesta-flow marker. Siddons RC, et al. **Br J Nutr** 1985 Sep;54(2):509–19
Comparison of ferric oxide and ytterbium chloride as digesta markers in broiler chicks. Teeter TG, et al. **Poult Sci** 1985 Dec;64(12):2392–3
[169Yb-diethylenetriamine pentaacetate clearance as a measure of glomerular filtration rate and an integral index of kidney function in nephropathies] Kaiukov IG, et al. **Urol Nefrol (Mosk)** 1985 Nov-Dec;(6):58–61 (Eng. Abstr.) (Rus)

METABOLISM

1H nuclear magnetic resonance studies of ytterbium-substituted porcine intestinal calcium-binding protein. Shelling JG, et al. **Can J Biochem Cell Biol** 1985 Sep;63(9):992–7
Measurement of glomerular filtration rate: single injection plasma clearance method without urine collection. Russell CD, et al. **J Nucl Med** 1985 Nov;26(11):1243–7

PHARMACODYNAMICS

Lanthanide ion enhancement of interferon binding to cells. Sedmak JJ, et al. **Biochem Biophys Res Commun** 1986 May 29;137(1):480–5

YTTRIUM

Exposure reduction using yttrium filters in a cardiac catheterization unit. Campbell JM, et al. **Cathet Cardiovasc Diagn** 1986;12(3):202–4
Clinical applications of yttrium filters for exposure reduction. Nelson JA, et al. **Invest Radiol** 1986 Jul;21(7):601–3
[Supplementary yttrium filtration in x-ray diagnosis] Meydam K, et al. **Rontgenpraxis** 1985 Oct;38(10):375–8 (Ger)

ADVERSE EFFECTS

Retinal damage threshold of ophthalmic Q-switched Nd-YAG laser in monkey eyes. Yumita A, et al. **Jpn J Ophthalmol** 1986;30(1):100–15

METABOLISM

[Changing of organ distribution of radioactive yttrium in rats by varying amounts of carrier] Kutzner J, et al. **Nuklearmedizin** 1986 Apr;25(2):78–80 (Eng. Abstr.) (Ger)

THERAPEUTIC USE

Endoscopic Nd:YAG laser coagulation as palliative therapy for obstructing esophageal carcinoma. Goldberg SJ, et al. **Am J Gastroenterol** 1986 Aug;81(8):629–33

YTTRIUM RADIOISOTOPES

ADMINISTRATION & DOSAGE

90Yttrium antiferritin—a new therapeutic radiolabeled antibody. Order SE, et al. **Int J Radiat Oncol Biol Phys** 1986 Feb;12(2):277–81

DIAGNOSTIC USE

The production and biological distribution of yttrium-90 labelled antibodies. Vaughan AT, et al. **Int J Appl Radiat Isot** 1985 Oct;36(10):803–6
Radiolabeling of monoclonal antibody against carcinoembryonic antigen with 88Y and biodistribution studies. Buchsbaum DJ, et al. **Int J Nucl Med Biol** 1985; 12(2):79–82

THERAPEUTIC USE

Treatment of multiple superficial transitional cell carcinoma of the bladder with intravesical yttrium-90. Alcock CJ, et al. **Br J Urol** 1986 Jun;58(3):287–9
[Results of radiosynoviorthese treatment using yttrium-90 silicate in patients with chronic polyarthritis] Crone-Münzebrock W, et al. **Radiobiol Radiother (Berl)** 1985;26(6):813–7 (Eng. Abstr.) (Ger)
[Comparative evaluation of the long-term results of treatment of cervical cancer using radiocolloids] Sukhina EN. **Med Radiol (Mosk)** 1986 May;31(5):6–9 (Eng. Abstr.) (Rus)

Z-DNA see **DNA**

ZEA see **CORN**

ZEARALENONE see under **RESORCINOLS**

ZEATIN see under **PURINES**

ZEIN

GENETICS

Quantitative analysis of the accumulation of Zein mRNA during maize endosperm development. Marks MD, et al. **J Biol Chem** 1985 Dec 25;260(30):16445–50
Nucleotide sequence analysis of zein mRNAs from maize endosperm. Marks MD, et al. **J Biol Chem** 1985 Dec 25; 260(30):16451–9
Sequence analysis and characterization of a maize gene encoding a high-sulfur zein protein of Mr 15,000. Pedersen K, et al. **J Biol Chem** 1986 May 15;261(14):6279–84
Synthetic oligonucleotide tails inhibit in vitro and in vivo translation of SP6 transcripts of maize zein cDNA clones. Galili G, et al. **Nucleic Acids Res** 1986 Feb 11;14(3):1511–24

ZERANOL see under **RESORCINOLS**

ZEUGMATOGRAPHY see **NUCLEAR MAGNETIC RESONANCE**

ZIMELIDINE

DIAGNOSTIC USE

Serotoninergic reuptake mechanisms in the control of cataplexy. Montplaisir J, et al. **Sleep** 1986;9(1 Pt 2):280–4

PHARMACODYNAMICS

Effect of prenatal exposure to ethanol on adult ethanol preference and response to zimelidine in rats. Grace GM, et al. **Alcohol Alcohol** 1986;21(1):25–31
Selective antidepressants and cerebrospinal fluid. Lack of specificity on norepinephrine and serotonin metabolites. Potter WZ, et al. **Arch Gen Psychiatry** 1985 Dec; 42(12):1171–7
The effects of desipramine, zimelidine, electroconvulsive treatment and lithium on rat brain biogenic amines: a comparison with peripheral changes. Karoum F, et al. **Eur J Pharmacol** 1986 Mar 4;121(3):377–85
Different effects of zimelidine on the reinforcing properties of d-amphetamine and morphine on conditioned place

preference in rats. Kruszewska A, et al. **Eur J Pharmacol** 1986 Jun 17;125(2):283–6

Zimelidine does not antagonise the effects of alcohol or diazepam on the acquisition of conditioned fear in mice. Sanger DJ, et al. **Neuropsychobiology** 1986;15(1):29–33

Conditioned taste aversion to ethanol induced by zimeldine. Gill K, et al. **Pharmacol Biochem Behav** 1986 Mar; 24(3):463–8

The effects of fluoxetine and zimeldine on the behavior of olfactory bulbectomized rats. Joly D, et al. **Pharmacol Biochem Behav** 1986 Feb;24(2):199–204

Acute effects of different antidepressant drugs on saliva secretion and accommodation range. Knorring L, et al. **Pharmacopsychiatry** 1986 May;19(3):106–10

Effects of repeated zimelidine administration on sleep parameters in the rat. Reyes RB, et al. **Psychopharmacology (Berlin)** 1986;88(1):54–7

POISONING

Extrapyramidal signs following zimelidine overdose. Anaseau M, et al. **J Clin Psychopharmacol** 1985 Dec;5(6):347–9

THERAPEUTIC USE

Effect of a selective serotonin uptake inhibitor in agoraphobia with panic attacks. A double-blind comparison of zimeldine, imipramine and placebo. Evans L, et al. **Acta Psychiatr Scand** 1986 Jan;73(1):49–53

Comparison between a serotonin and a noradrenaline reuptake blocker in the treatment of depressed outpatients. Biochemical aspects. Nyström C, et al. **Acta Psychiatr Scand** 1986 Feb;73(2):133–8

Profiles of antidepressant activity with the Montgomery–Asberg Depression Rating Scale. Montgomery SA, et al. **Acta Psychiatr Scand [Suppl]** 1985; 320:38–42

Obsessive-compulsive disorder and serotonin: is there a connection? Insel TR, et al. **Biol Psychiatry** 1985 Nov; 20(11):1174–88

A controlled study of a serotonin reuptake blocker, zimelidine, in the treatment of chronic pain. Gourlay GK, et al. **Pain** 1986 Apr;25(1):35–52

A comparative trial of amitriptyline and zimelidine in post-herpetic neuralgia. Watson CP, et al. **Pain** 1985 Dec; 23(4):387–94

A double-blind comparative trial of zimelidine, amitriptyline, and placebo in patients with mixed anxiety and depression. Amsterdam JD, et al. **Pharmacopsychiatry** 1986 May; 19(3):115–9

ZINC

Features of seizures and behavioral changes induced by intrahippocampal injection of zinc sulfate in the rabbit: a new experimental model of epilepsy. Pei YQ, et al. **Epilepsia** 1986 May–Jun;27(3):183–8

Dietary zinc intake of pre–menopausal women. Record IR, et al. **Hum Nutr Appl Nutr** 1985 Oct;39(5):363–9

Solubility of calcium and zinc in model solutions based on bovine and human milks. Nelson LS Jr, et al. **J Inorg Biochem** 1985 Aug;24(4):255–65

Dithiocarbamates in heavy metal poisoning: complexes of N,N–di(2–hidroxyethyl)dithiocarbamate with Zn(II), Cd(II), Hg(II), CH3Hg(II), and C6H5Hg(II). Pages A, et al. **J Inorg Biochem** 1985 Sep;25(1):35–42

The binding of copper(II) and zinc(II) to oxidized glutathione. Postal WS, et. al. **J Inorg Biochem** 1985 Sep; 25(1):25–33

Metal complexes of mitomycins. Iyengar BS, et al. **J Med Chem** 1986 Jan;29(1):144–7

Intracellular localization of the copper–zinc and manganese superoxide dismutases in rat liver parenchymal cells. Slot JW, et al. **Lab Invest** 1986 Sep;55(3):363–71

A zinc-dependent epitope on the molecule of thymulin, a thymic hormone. Dardenne M, et al. **Proc Natl Acad Sci USA** 1985 Oct;82(20):7035–8

[The determination of 226Ra in environmental samples with zinc sulfide powder] Abukawa J, et al. **Radioisotopes** 1985 Nov;34(11):632–5 **(Jpn)**

ADMINISTRATION & DOSAGE

Zinc requirements and zinc intakes of breast-fed infants. Krebs NF, et al. **Am J Clin Nutr** 1986 Feb;43(2):288–92

Role of zinc supplementation in type II diabetes mellitus. Niewoehner CB, et al. **Am J Med** 1986 Jul;81(1):63–8

Do pregnant women need zinc supplements? [letter] Simmer K, et al. **Br J Obstet Gynaecol** 1986 Mar;93(3):296–8

Zinc requirement of the baby pig when fed wet–autoclaved spray–dried egg albumen as the protein source. Hankins CC, et al. **J Nutr** 1985 Dec;115(12):1600–12

Utilization of zinc from picolinic or citric acid complexes in relation to dietary protein source in rats. Roth HP, et al. **J Nutr** 1985 Dec;115(12):1641–9

Dietary zinc intake and growth during infancy. Friel JK, et al. **J Pediatr Gastroenterol Nutr** 1985 Oct;4(5):746–51

Zinc requirements in pregnancy [letter] Hambidge KM, et al. **Lancet** 1986 Mar 1;1(8479):497

Adhesive zinc tape treatment of uncomplicated ulcers amongst leprosy outpatients. Kumar A, et al. **Lepr Rev** 1986 Mar;57(1):45–51

Treatment of plantar ulcers in leprosy patients in the community with adhesive zinc tape. Walton RT, et al. **Lepr Rev** 1986 Mar;57(1):53–6

[Laboratory evaluation of the nutritive value of the average daily diets of selected population groups in Poland. IV. Levels of copper, zinc and manganese] Rutkowska U, et al. **Rocz Panstw Zakl Hig** 1985;36(2):133–9 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Determination of the distribution of conduction velocities in workers exposed to lead, zinc, and copper. Araki S, et al. **Br J Ind Med** 1986 May;43(5):321–6

Zinc chloride (smoke bomb) inhalational lung injury. Matarese SL, et al. **Chest** 1986 Feb;89(2):308–9

Occupational dermatitis from soldering flux among workers in the electronics industry. Goh CL. **Contact Dermatitis** 1985 Aug;13(2):85–90

Compliance in Wilson's disease and in copper toxicosis of Bedlington terriers [letter] Hoogenraad TU, et al. **Lancet** 1986 Jul 19;2(8499):170

Tissue reactions to two root canal sealers containing formaldehyde. Pitt Ford TR. **Oral Surg Oral Med Oral Pathol** 1985 Dec;60(6):661–5

Gastric stricture following zinc chloride ingestion. Chew LS, et al. **Singapore Med J** 1986 Apr;27(2):163–6

[Effect of decadron phosphate on ophthalmoscopic changes in the rat eye with intravitreal brass wires] Schmidt JG, et al. **Klin Monatsbl Augenheilkd** 1986 Mar;188(3):234–8 (Eng. Abstr.) **(Ger)**

[Internal contamination by tritium caused by radioluminescent paints] Adamiak–Ziemba J, et al. **Med Pr** 1985;36(6):402–6 (Eng. Abstr.) **(Pol)**

ANALYSIS

Estimation of zinc and other trace elements in the nails of Hungarian adult twin pairs by neutron activation analysis. Forrai G, et al. **Acta Biochim Biophys Acad Sci Hung** 1984; 19(3–4):299–304

Histochemical demonstration of zinc in the spermatotheka of Salamandra salamandra (L.) (Amphibia, Urodela). Kruczynski D, et al. **Acta Histochem (Jena)** 1986; 79(2):181–6

Lacteal zinc and copper in relation to volume, total ash and energy during the first three months of lactation of Brazilian women. Dorea JG, et al. **Acta Paediatr Scand** 1985 Nov;74(6):891–6

Nuclear zinc in human epididymal and ejaculated spermatozoa. Kvist U, et al. **Acta Physiol Scand** 1985 Oct; 125(2):297–303

Zinc in peritoneal dialysis [letter] Tamura T, et al. **Am J Clin Nutr** 1985 Oct;42(4):749–50

Determination of traces of zinc in biological materials, wine, and alloys by fluorometry. Cano Pavón JM, et al. **Anal Chem** 1986 Jun;58(7):1449–51

Determination of copper and zinc in human head hair by inductively coupled plasma atomic emission spectrometry with a direct sample insertion device. Monasterios CV, et al. **Anal Chem** 1986 Apr;58(4):780–5

Zinc in the seminal vesicle and cranial and caudal prostate of rhesus monkey (Macaca mulatta): testicular regulation and subcellular distribution. Srivastava A, et al. **Andrologia** 1985 Nov–Dec;17(6):579–82

Measurement of copper, zinc and magnesium in serum and urine by DC plasma emission spectrometry. Roberts NB, et al. **Ann Clin Biochem** 1985 Sep;22 (Pt 5):533–8

Correlation of Zn2+ content with aflatoxin content of corn. Failla LJ, et al. **Appl Environ Microbiol** 1986 Jul;52(1):73–4

Spatial relationship between the intrinsic metal in the beta subunit and cysteine–132 in the sigma subunit of Escherichia coli RNA polymerase: a resonance energy transfer study. Chatterji D, et al. **Arch Biochem Biophys** 1986 Jan;244(1):218–25

Interaction of cadmium, zinc and copper in relation to smoking habit, age and histopathological findings in human kidney cortex. Blanula M, et al. **Arch Toxicol** 1985 Dec; 58(2):115–7

Structural study of the copper and zinc sites in metallothioneins by using extended X–ray–absorption fine structure. Abrahams IL, et al. **Biochem J** 1986 Jun 1; 236(2):585–9

Extended–X–ray–absorption–fine–structure investigations of zinc in 5–aminolaevulinate dehydratase. Hasnain SS, et al. **Biochem J** 1985 Sep 15;230(3):625–33

Dihydro–orotase from Clostridium oroticum. Purification and reversible removal of essential zinc. Pettigrew DW, et al. **Biochem J** 1985 Aug 15;230(1):101–8

Inhibition of Euglena gracilis and wheat germ zinc RNA polymerases II by 1,10–phenanthroline acting as a chelating agent. Mazus B, et al. **Biochemistry** 1986 May 20; 25(10):2941–5

Isolation and some properties of zinc–containing proteins from human placenta. Milnerowicz H, et al. **Biomed Biochim Acta** 1986;45(3):305–13

Trace–elements in sheep grazing near a lead–zinc smelting complex at Port Pirie, South Australia. Koh TS, et al. **Bull Environ Contam Toxicol** 1986 Jul;37(1):87–95

Trace elements (Cu, Fe, Zn) in several tissues of CCl4–induced chronic hepatitis rats. Minami T, et al. **Bull Environ Contam Toxicol** 1986 Feb;36(2):306–10

The concentrations of copper, zinc, manganese and selenium in the hair of newborn piglets and their dams. Friendship RM, et al. **Can J Comp Med** 1985 Jul;49(3):308–10

The influence of anatomical site and hormonal status on the copper and zinc levels of human uterine smooth muscle. Honoré LH, et al. **Clin Biochem** 1986 Feb;19(1):46–8

Dry– and wet–ashing techniques compared in analyses for zinc, copper, manganese, and iron in hair. Friel JK, et al. **Clin Chem** 1986 May;32(5):739–42

Routine measurement of calcium, magnesium, copper, zinc, and iron in urine and serum by inductively coupled plasma emission spectroscopy. Nixon DE, et al. **Clin Chem** 1986 Sep;32(9):1660–5

Zinc in hair and urine of paediatric patients. van Wouwe JP, et al. **Clin Chim Acta** 1986 Feb 28;155(1):77–82

Effect of chlorthalidone on zinc levels, testosterone, and sexual function in man. Geisler AH, et al. **Drug Nutr Interact** 1986;4(3):275–83

Copper and zinc content of human leiomyomas. Salkie ML, et al. **Gynecol Obstet Invest** 1986;21(4):208–12

The dithizone, Timm's sulphide silver and the selenium methods demonstrate a chelatable pool of zinc in CNS. A proton activation (PIXE) analysis of carbon tetrachloride extracts from rat brains and spinal cords intravitally treated with dithizone. Danscher G, et al. **Histochemistry** 1985; 83(5):419–22

Hair zinc in children: its uses, limitations and relationship to plasma zinc and anthropometry. Dorea JG, et al. **Hum Nutr Clin Nutr** 1985 Nov;39(6):389–98 (46 ref.)

Zinc status and sexual development in adolescent girls. Thompson P, et al. **J Am Diet Assoc** 1986 Jul;86(7):892–7

The dihydroorotase domain of the multifunctional protein CAD. Subunit structure, zinc content, and kinetics. Kelly RE, et al. **J Biol Chem** 1986 May 5;261(13):6073–83

Dihydroorotase from Escherichia coli. Sulfhydryl group–metal ion interactions. Washabaugh MW, et al. **J Biol Chem** 1986 May 5;261(13):5920–9

Zinc release from dental restorative materials in vitro. Meryon SD, et al. **J Biomed Mater Res** 1986 Mar; 20(3):285–91

The effect of dentifrices containing zinc citrate on plaque growth and oral zinc levels. Saxton CA, et al. **J Clin Periodontol** 1986 Apr;13(4):301–6

Inorganic elements in adult Ternidens deminutus (Nematoda: Strongylidae: Oesophagostominae) from humans and baboons. Goldsmid JM. **J Helminthol** 1986 Jun;60(2):147–8

Spectral and chemical evidence for the formation of zinc–porphyrin in aged, initially metal–free, porphyrin–IX solutions. Margalit R, et al. **J Inorg Biochem** 1985 Nov; 25(3):187–95

Serum zinc and copper in thin mothers, their breast milk and their infants. Van der Elst CW, et al. **J Trop Pediatr** 1986 Jun;32(3):111–4

Copper and zinc concentrations, and superoxide dismutase activities in malignant and nonmalignant tissues of female reproductive organs. Jendryczko A, et al. **Neoplasma** 1986; 33(2):239–44

Comparison of riboflavin, vitamin A, and zinc status of Chinese populations at high and low risk for esophageal cancer. Thurnham DI, et al. **Nutr Cancer** 1985;7(3):131–43

Zinc status of infants with fetal alcohol syndrome. Assadi FK, et al. **Pediatr Res** 1986 Jun;20(6):551–4

Insulin or increased concentration of zinc in liver, kidney or muscle does not alter the phosphoglucomutase activity in vivo. Fleming J, et al. **Toxicology** 1985 Aug; 36(2–3):151–8

Studies of Cd, Zn and Cu levels in human kidney tumours and normal kidney. Feustel A, et al. **Urol Res** 1986; 14(2):105–8

Determination of cadmium and zinc in human prostatic tissues by flameless AAS. Wennrich R, et al. **Z Med Lab Diagn** 1985;26(7):365–9

[Determination of trace zinc by an improved spectrophotometric method] Liu DJ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1984 Nov; 18(6):366–7 **(Chi)**

[Nuclear magnetic resonance study of the interaction of zinc with thymulin] Laussac JP, et al. **C R Acad Sci [III]** 1985; 301(10):471–5 (Eng. Abstr.) **(Fre)**

[Zinc in the human prostate] Larue JP, et al. **J Urol (Paris)** 1985;91(7):463–8 (Eng. Abstr.) **(Fre)**

[Zinc in the seminal fluid] Skandhan KP, et al. **Rev Fr Gynecol Obstet** 1985 Dec;80(12):891–8 (83 ref.) (Eng. Abstr.) **(Fre)**

[Comparison of particle size distribution of lung dust in exposed miners and of the respirable fraction of mine dust] Tscherneva P, et al. **Z Gesamte Hyg** 1986 Feb;32(2):96–7 (Eng. Abstr.) **(Ger)**

[Determination of magnesium, copper and zinc in biological samples using plasma emission spectrophotometry] Tempini G, et al. **G Ital Med Lav** 1983 Nov;5(6):263–5 (Eng. Abstr.) **(Ita)**

[Zinc concentrations and total amount of zinc in seminal plasma of infertile men with special reference to prostatic secretory function] Sanada S, et al. **Hinyokika Kiyo** 1985 Nov;31(11):1971–87 (Eng. Abstr.) **(Jpn)**

[Studies on metal (Zn, Cu, Fe) kinetics for ageing phenomena on lens] Ishii M, et al. **Nippon Ronen Igakkai Zasshi** 1985 Nov;22(6):522–9 (Eng. Abstr.) **(Jpn)**

[Determining levels of heavy metals: cadmium, lead and zinc in articles made of plastics] Brzozowska B, et al. **Rocz Panstw Zakl Hig** 1985;36(3):197–201 (Eng. Abstr.) **(Pol)**

[Cans as a potential source of food contamination with lead and zinc] Kula M, et al. **Rocz Panstw Zakl Hig** 1986;

37(1):33–43 (Eng. Abstr.) (Pol)
[Comparison of the methods of atomic-absorption spectrophotometry and colorimetry in determining lead, zinc and copper levels in cereals] Zawadzka T, et al. **Roczn Panstw Zakl Hig** 1985;36(2):109–12 (Eng. Abstr.) (Pol)
[X-ray microanalysis of epitheliomas and melanomas: is the Cu/Zn index a prognostic parameter? Preliminary note] Calap J, et al. **Med Cutan Ibero Lat Am** 1986;14(1):9–12 (Eng. Abstr.) (Spa)

ANTAGONISTS & INHIBITORS

Inhibition of Zn2+-induced potentiation of twitch tension by Ni2+ in frog muscle. Oba T, et al. **Can J Physiol Pharmacol** 1986 May;64(5):625–30

BLOOD

Selenium, zinc, iron and copper levels in serum of patients with arterial and venous leg ulcers. Agren MS, et al. **Acta Derm Venereol (Stockh)** 1986;66(3):237–40
Possible linkage relationship between genetic markers and blood magnesium and zinc. A twin study. Dariu P, et al. **Acta Genet Med Gemellol (Roma)** 1985;34(1–2):109–12
Iron, zinc and folate status during pregnancy and two months after delivery. Qvist I, et al. **Acta Obstet Gynecol Scand** 1986;65(1):15–22
Electrogustometry in hemodialysis patients. Ralli G, et al. **Acta Otorhinolaryngol Belg** 1985;39(5):822–31
Atherosclerosis precursors in Finnish children and adolescents. XIII. Serum and hair copper and zinc concentrations. Vuori E, et al. **Acta Paediatr Scand [Suppl]** 1985;318:205–12
Magnesium and zinc in diabetic pregnancy. Wibell L, et al. **Acta Paediatr Scand [Suppl]** 1985;320:100–6
Metal ion–tetracycline interactions in biological fluids. Part 5. Formation of zinc complexes with tetracycline and some of its derivatives and assessment of their biological significance. Brion M, et al. **Agents Actions** 1985 Dec; 17(2):229–42
Zinc supplementation during pregnancy in low-income teenagers of Mexican descent: effects on selected blood constituents and on progress and outcome of pregnancy. Hunt IF, et al. **Am J Clin Nutr** 1985 Nov;42(5):815–28
Influence of age and breed of equid on plasma copper and zinc concentrations. Cymbaluk NF, et al. **Am J Vet Res** 1986 Jan;47(1):192–5
Quantitation of zinc in nitric acid–digested plasma by atomic absorption spectrophotometry. Passey RB, et al. **Anal Biochem** 1985 Dec;151(2):462–5
Recommended method for assaying serum zinc with flame atomic absorption. Arnaud J, et al. **Ann Biol Clin (Paris)** 1986;44(1):77–87 (Eng, Fre)
Low plasma zinc and androgen in insulin-dependent diabetes mellitus. Arreola F, et al. **Arch Androl** 1986;16(2):151–4
Plasma zinc concentrations in iron supplemented low birthweight infants. Salvioli GP, et al. **Arch Dis Child** 1986 Apr;61(4):346–8
Distribution of serum selenium, copper, and zinc in normal human pregnancy. Kundu N, et al. **Arch Environ Health** 1985 Sep–Oct;40(5):268–73
Zinc transport during hemodialysis. Hosokawa S, et al. **Artif Organs** 1986 Feb;10(1):30–6
Extended X-ray absorption fine structure studies of Zn2Fe2 hybrid hemoglobins: absence of heme bond length changes in half-ligated species. Simolo K, et al. **Biochemistry** 1986 Jul 1;25(13):3773–8
Distribution of zinc and copper in maternal and cord blood at delivery. Yamashita K, et al. **Biol Neonate** 1985; 48(6):362–5
The effects of oral iron supplementation on zinc and magnesium levels during pregnancy. Sheldon WL, et al. **Br J Obstet Gynaecol** 1985 Sep;92(9):892–8
Concentrations of zinc and copper in pregnant problem drinkers and their newborn infants. Halmesmaki E, et al. **Br Med J [Clin Res]** 1985 Nov 23;291(6507):1470–1
Copper, zinc, and iron in normal and leukemic lymphocytes from children. Carpentieri U, et al. **Cancer Res** 1986 Feb; 46(2):981–4
Copper, zinc and copper/zinc ratio in chronic pancreatitis and pancreatic cancer. Fabris C, et al. **Clin Biochem** 1985 Dec;18(6):373–5
Use of the serum copper/zinc ratio in the differential diagnosis of ovarian malignancy. Lightman A, et al. **Clin Chem** 1986 Jan;32(1 Pt 1):101–3
Correlation between calcium and zinc in plasma [letter] Speich M. **Clin Chem** 1986 Jul;32(7):1427–8
Comparison of zinc contents in human serum and plasma. Chen WJ, et al. **Clin Chim Acta** 1986 Mar 16;155(2):185–7
Hormonal profile and serum zinc levels in uraemic men with gonadal dysfunction undergoing haemodialysis. Joven J, et al. **Clin Chim Acta** 1985 Jun 14;148(3):239–45
Distribution of serum zinc between albumin and alpha 2-macroglobulin in patients with different zinc metabolic disorders. Kiilerich S, et al. **Clin Chim Acta** 1986 Jan 15; 154(1):1–6
Determination of zinc in whole blood, plasma and serum using Zeeman effect flame atomic absorption spectroscopy. Liska SK, et al. **Clin Chim Acta** 1985 Oct 15;151(3):237–43
Zinc concentrations in mononuclear and polymorphonuclear leukocytes. Purcell SK, et al. **Clin Chim Acta** 1986 Mar 16;155(2):179–83
Effect of long-term administration of anticonvulsants on copper, zinc, and ceruloplasmin levels. Werther CA, et al. **Drug Nutr Interact** 1986;4(3):269–74
Serum copper and zinc concentrations in intrahepatic cholestasis of pregnancy: a controlled study. Kiilholma P. **Eur J Obstet Gynecol Reprod Biol** 1986 Apr;21(4):207–12
Serum zinc and copper levels in children with meningococcal disease. Heese HD, et al. **Eur J Pediatr** 1985 Jul; 144(2):152–6
Serum zinc concentrations in exclusively breast-fed infants and in infants fed an adapted formula. van Wouwe JP, et al. **Eur J Pediatr** 1986 Apr;144(6):598–600
Is zinc a reliable biochemical marker of chronic alcoholism in the overall context of a medico-legal autopsy? Piette M, et al. **Forensic Sci Int** 1986 Jul 31;31(4):213–23
Effects of oral ethinyl oestradiol and norethisterone on plasma copper and zinc complexes in post-menopausal women. Chilvers DC, et al. **Horm Metab Res** 1985 Oct; 17(10):532–5
Association of fetal growth with elevated maternal plasma zinc concentration in human pregnancy. Fehily D, et al. **Hum Nutr Clin Nutr** 1986 May;40(3):221–7
Prolonged depression of serum zinc concentrations in children following post-measles diarrhoea. Sarker SA, et al. **Hum Nutr Clin Nutr** 1985 Nov;39(6):411–7
Serum zinc concentrations in adolescents as related to sexual maturation. Wagner PA, et al. **Hum Nutr Clin Nutr** 1985 Nov;39(6):459–62
Diurnal variation of serum copper and zinc in epileptics receiving anti-convulsants. Taylor A, et al. **Hum Toxicol** 1986 May;5(3):195–200
Trace elements in the sera of leprosy spectrum. Rao KN, et al. **Indian J Lepr** 1985 Jul–Sep;57(3):556–61
Serum copper/zinc ratio in oral carcinoma. Jha IN, et al. **Indian J Med Res** 1985 Jun;81:602–6
Serum zinc and copper in tuberculosis. Ahmad P, et al. **Indian Pediatr** 1985 Oct;22(10):786–8
Relationship between haemodialysis anaemia and copper and zinc. Hosokawa S, et al. **Int Urol Nephrol** 1985;17(4):365–71
Analysis and evaluation of zinc and copper in human plasma and serum. Smith JC, et al. **J Am Coll Nutr** 1985;4(6):627–38
Copper and zinc levels in "healthy" and "sick" elderly. Murphy P, et al. **J Am Geriatr Soc** 1985 Dec;33(12):847–9
Serum zinc and copper levels in cases with high eosinophilia. Boulos LM, et al. **J Egypt Soc Parasitol** 1985 Dec; 15(2):559–62
Importance of serum zinc and copper in pulmonary tuberculosis of childhood. Sinha RK, et al. **J Indian Med Assoc** 1985 Oct;83(10):342–4
Serum zinc levels during oral glucocorticoid therapy. Weismann K, et al. **J Invest Dermatol** 1986 Jun;86(6):715–6
Serum and urine zinc response in head-injured patients. McClain CJ, et al. **J Neurosurg** 1986 Feb;64(2):224–30
Analysis of zinc data from the second National Health and Nutrition Examination Survey (NHANES II). Pilch SM, et al. **J Nutr** 1985 Nov;115(11):1393–7
Postnatal dependence of plasma copper and zinc levels on gestational age and maturity observed in infants fed a high zinc content formula. Di Toro R, et al. **J Pediatr Gastroenterol Nutr** 1985 Oct;4(5):756–61
Studies of qingyangshen (root of Cynanchum otophyllum). I. Effect of qingyangshen on copper and zinc metabolism. Hu YM, et al. **J Tradit Chin Med** 1985 Jun;5(2):95–8
Observations on the effects of vibration and noise on plasma ACTH and zinc levels, pregnancy and respiration rate in the guineapig. Bailey KJ, et al. **Lab Anim** 1986 Apr; 20(2):101–8
Effect of zinc supplementation on hyperprolactinaemia in uraemic men. Mahajan SK, et al. **Lancet** 1985 Oct 5; 2(8458):750–1
Plasma-zinc concentration in patients with bronchogenic cancer [letter] Smith JC Jr, et al. **Lancet** 1971 Dec 11; 2(7737):1323
Differences in human serum copper and zinc levels in healthy and patient populations. Cheraskin E, et al. **Med Hypotheses** 1986 May;20(1):79–85
Zinc in human malignancies. Chakravarty PK, et al. **Neoplasma** 1986;33(1):85–90
Zinc and cadmium plasma and erythrocyte levels in prostatic carcinoma, BPH, urological malignancies, and inflammations. Feustel A, et al. **Prostate** 1986;8(1):75–9
Zinc metabolism in human blood during acute exposure to cold. Ohno H, et al. **Bull Commun Chem Pathol Pharmacol** 1986 May; 52(2):251–64
Whole blood and serum zinc levels in relation to sex and age. Buxaderas SC, et al. **Rev Esp Fisiol** 1985 Dec; 41(4):463–70
Serum zinc and copper levels in healthy South African women at term and during the first year after childbirth. Kirsten GF, et al. **S Afr Med J** 1986 Apr 26;69(9):543–5
Serum zinc and copper levels in healthy middle and higher socio-economic class infants in Cape Town. A longitudinal study during the 1st year of life. Kirsten GF, et al. **S Afr Med J** 1986 May 10;69(10):615–8
Serum zinc and copper concentrations in low birth weight infants during first three months of life: correlation to birth weight and different feedings. Higashi A, et al. **Tohoku J Exp Med** 1985 Jul;146(3):253–63
Decrease of serum zinc levels after administration of semicarbazide. Slavik M, et al. **Vet Hum Toxicol** 1986 Apr; 28(2):161–2
[Zinc concentration in the maternal serum in fetal hypotrophy] Ruseva R, et al. **Akush Ginekol (Sofiia)** 1986; 25(1):26–9 (Eng. Abstr.) (Bul)
[Preliminary study of the relation between trace element zinc and oral mucosal diseases] Deng DH. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Sep;20(5):291–3 (Chi)
[Plasma zinc and copper concentrations in epilepsy patients] Kuang PG. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1985 Jun; 18(3):129–32 (Eng. Abstr.) (Chi)
[Clinical use of serum Zn and Cu levels in patients with lung tumors] Dastych M, et al. **Vnitr Lek** 1985 Oct; 31(10):996–1000 (Eng. Abstr.) (Cze)
[Magnesium, calcium, zinc, potassium, total and HDL cholesterol and total creatine kinase in 37 cases of instable angina: a correlation study] Speich M, et al. **Magnesium** 1985;4(5–6):303–11 (Eng. Abstr.) (Fre)
[Blood cadmium and plasma zinc in hypertensive patients. Apropos of 76 cases] Bartolin R, et al. **Rev Med Interne** 1985 Jun;6(3):280–4 (Eng. Abstr.) (Fre)
[Atomic absorption spectrophotometric determination of zinc in granulocytes, lymphocytes and serum of untreated and alloxan diabetic rats] Schmidt R, et al. **Acta Histochem [Suppl] (Jena)** 1986;33:297–303 (Eng. Abstr.) (Ger)
[Determination of zinc, copper and magnesium in the umbilical cord blood of hypotrophic newborn infants] Nagel H, et al. **Zentralbl Gynakol** 1986;108(2):118–21 (Eng. Abstr.) (Ger)
[Serum levels of zinc and copper in rheumatoid arthritis] Mariani AM, et al. **Boll Soc Ital Biol Sper** 1985 Aug 30; 61(8):1185–91 (Eng. Abstr.) (Ita)
[Serum levels of copper and zinc in patients with lung cancer] Altavilla G, et al. **Minerva Med** 1985 Nov 17; 76(44):2117–20 (Eng. Abstr.) (Ita)
[Gastric cancer and serum zinc content] Ujiie S, et al. **Gan No Rinsho** 1985 Sep;31(11):1372–6 (Eng. Abstr.) (Jpn)
[Serum copper and zinc levels in patients with malignant neoplasm of the urogenital tract] Sanada S, et al. **Hinyokika Kiyo** 1985 Aug;31(8):1299–316 (Eng. Abstr.) (Jpn)
[Effect of the environment on the levels of selected bioelements in human body fluids (on the example of Cracow population)] Zielonka E, et al. **Folia Med Cracov** 1985;26(1–2):153–66 (Eng. Abstr.) (Pol)
[Zinc levels in the blood of healthy children in Plock] Steckiewicz W, et al. **Pol Tyg Lek** 1985 Dec 9; 40(49):1388–9 (Eng. Abstr.) (Pol)
[Zinc levels in the leukocytes and serum of patients with psoriasis during the active phase and during remission associated with the chemotactic activity of polymorphonuclear leukocytes] Wasik F, et al. **Przegl Dermatol** 1985 May–Jun;72(3):237–42 (Eng. Abstr.) (Pol)
[Serum copper, zinc and magnesium levels during normal pregnancy and labor in at-term and prolonged pregnancy] Kelm R. **Wiad Lek** 1985 May 15;38(10):705–9 (Eng. Abstr.) (Pol)
[Plasma zinc content in patients with chronic renal insufficiency before and after kidney transplantation] Babarykin DA, et al. **Ter Arkh** 1985;57(6):101–3 (Eng. Abstr.) (Rus)
[Plasma zinc and copper in infants with protein-calorie malnutrition] Fisberg M, et al. **Arch Latinoam Nutr** 1984 Sep;34(3):568–77 (Eng. Abstr.) (Spa)
[Determination of copper and zinc by atomic absorption spectroscopy] Saldivar L, et al. **Bol Estud Med Biol** 1984–85;33(1–8):57–63 (Eng. Abstr.) (Spa)
[Blood copper, iron and zinc in children receiving parenteral feeding and an elemental diet] Coello-Ramirez P, et al. **Bol Med Hosp Infant Mex** 1985 Nov;42(11):662–9 (Eng. Abstr.) (Spa)
[Elevated blood zinc in patients with Chediak-Higashi disease] Goyo-Rivas JD, et al. **Bol Med Hosp Infant Mex** 1985 Dec;42(12):735–8 (Eng. Abstr.) (Spa)

DEFICIENCY

Zinc deficiency in the weanling—how important? Hambidge KM. **Acta Paediatr Scand [Suppl]** 1986;323:52–8
Zinc in the fetus and newborn. Simmer K, et al. **Acta Paediatr Scand [Suppl]** 1985;319:158–63
Zinc, pregnancy and parturition. Villa Elizaga I, et al. **Acta Paediatr Scand [Suppl]** 1985;319:150–7
Low levels of zinc in hair and blood, pica, anorexia, and poor growth in Chinese preschool children. Chen XC, et al. **Am J Clin Nutr** 1985 Oct;42(4):694–700
Effects of genetic diabetes and zinc nutriture on in vivo cell-mediated immunity in the mouse. Donaldson DL, et al. **Am J Clin Nutr** 1986 Feb;43(2):263–71
Studies of marginal zinc deprivation in rhesus monkeys: infant behavior. Golub MS, et al. **Am J Clin Nutr** 1985 Dec; 42(6):1229–39
Effect of marginal zinc deficiency on the morphological characteristics of intestinal nascent chylomicrons and distribution of soluble apoproteins of lymph chylomicrons. Koo SI, et al. **Am J Clin Nutr** 1985 Oct;42(4):671–80
Delayed plasma clearance and hepatic uptake of lymph

chylomicron 14C-cholesterol in marginally zinc-deficient rats. Koo SI, et al. **Am J Clin Nutr** 1986 Mar;43(3):429–37
Transient neonatal zinc deficiency. Krieger I, et al. **Am J Clin Nutr** 1986 Jun;43(6):955–8
Zinc and copper nutriture in obese men receiving very low calorie diets of soy or collagen protein. Lowy SL, et al. **Am J Clin Nutr** 1986 Feb;43(2):272–87
Does iron supplementation compromise zinc nutrition in healthy infants? Yip R, et al. **Am J Clin Nutr** 1985 Oct; 42(4):683–7
Effect of pure zinc deficiency on glucose tolerance and insulin and glucagon levels. Park JH, et al. **Am J Physiol** 1986 Sep;251(3 Pt 1):E273–8
Extracutaneous histologic changes accompanying zinc deficiency in pups. Sanecki RK, et al. **Am J Vet Res** 1985 Oct;46(10):2120–3
Nutritional aspects of zinc deficiency in the elderly. Marozzi G, et al. **Ann Ist Super Sanita** 1986;22(2):681–4 (18 ref.)
Influence of protein intake on per os zinc deficiency treatment in sheep. Lamand M. **Ann Rech Vet** 1985; 16(3):285–7
Effects of zinc deficiency on the wool growth, skin and wool follicles of pre-ruminant lambs. Masters DG, et al. **Aust J Biol Sci** 1985;38(4):355–64
Influence of maternal mineral deficiency on the hepatic metallothionein and zinc in newborn rats. Gallant KR, et al. **Biochem Cell Biol** 1986 Jan;64(1):8–12
Intestinal metallothionein in lethal-milk mice with systemic zinc deficiency. Grider A Jr, et al. **Biochem Genet** 1986 Aug;24(7–8):635–42
Zinc and childhood hyperactivity [letter] Brophy MH. **Biol Psychiatry** 1986 Jun;21(7):704–5
Experimental zinc deficiency in guinea-pigs: clinical signs and some haematological studies. Gupta RP, et al. **Br J Nutr** 1985 Sep;54(2):421–8
Intestinal cellular proliferation and protein synthesis in zinc-deficient rats. Southon S, et al. **Br J Nutr** 1985 May; 53(3):595–603
Zinc and copper in Asian pregnancies—is there evidence for a nutritional deficiency? Campbell-Brown M, et al. **Br J Obstet Gynaecol** 1985 Sep;92(9):875–85
Zinc deficiency is not a cause for abortion, congenital abnormality and small-for-gestational age infant in Chinese women. Ghosh A, et al. **Br J Obstet Gynaecol** 1985 Sep; 92(9):886–91
Do pregnant women need zinc supplements? [editorial] Hytten FE. **Br J Obstet Gynaecol** 1985 Sep;92(9):873–4
The effect of N-nitrosodimethylamine and N-nitroso-N-benzylmethylamine on [3H]thymidine incorporation into the DNA of target and non-target tissues in the zinc-deficient rat. Fong LY, et al. **Cancer Lett** 1986 Jan;30(1):61–71
Decreased glutathione transferase activities in zinc-deficient rats. Lee JS, et al. **Carcinogenesis** 1986 Jul;7(7):1111–3
Enhancement of methylbenzylnitrosamine-induced esophageal carcinogenesis in zinc-deficient rats: effects on incorporation of [3H]thymidine into DNA of esophageal epithelium and liver. Schrager TF, et al. **Carcinogenesis** 1986 Jul;7(7):1121–6
Clinical, endocrinological and biochemical effects of zinc deficiency. Prasad AS. **Clin Endocrinol Metab** 1985 Aug; 14(3):567–89 (78 ref.)
Zinc and its deficiency diseases. Evans GW. **Clin Physiol Biochem** 1986;4(1):94–8 (30 ref.)
Zinc deficiency in Crohn's disease. Steinberg SE. **Compr Ther** 1985 Dec;11(12):34–8
Zinc deficiency dermatitis in parenteral nutrition: an electron-microscopic study. Serrano Ortega S, et al. **Dermatologica** 1985;171(3):163–9
Interrelationships between zinc and immune function. Fraker PJ, et al. **Fed Proc** 1986 Apr;45(5):1474–9
Pancreatic acinar cell function and morphology in rats fed zinc-deficient and marginal zinc-deficient diets. Perez-Jimenez F, et al. **Gastroenterology** 1986 Apr; 90(4):946–57
Zinc deficiency during parenteral hyperalimentation. Winston E, et al. **IMJ** 1985 Sep;168(3):161–3
Reduced serum zinc levels and oral zinc supplementation in geriatric patients. Wilson CW, et al. **Int J Vitam Nutr Res** 1985;55(3):331–6
Laboratory diagnosis of zinc deficiency. Prasad AS. **J Am Coll Nutr** 1985;4(6):591–8
Clinical zinc deficiency during long-term total enteral nutrition. Jhangiani S, et al. **J Am Geriatr Soc** 1986 May; 34(5):385–8
Chelation therapy in dementia [letter] Rai GS. **J Am Geriatr Soc** 1986 May;34(5):413
Imbalanced maternal mineral nutrition and Indian childhood cirrhosis [letter] Chaudhary SK. **J Assoc Physicians India** 1985 Dec;33(12):823
Zinc deficiency in senile purpura. Haboubi NY, et al. **J Clin Pathol** 1985 Oct;38(10):1189–91
Zinc deficiency in mild hypertensive patients treated with diuretics. Mountokalakis T, et al. **J Hypertension [Suppl]** 1984 Dec;2(3):S571–2
Does zinc deficiency affect intestinal protein content or disaccharidase activity? Zarling EJ, et al. **J Lab Clin Med** 1985 Dec;106(6):708–11
Effect of dietary zinc on endogenous free radical production in rat lung microsomes. Bray TM, et al. **J Nutr** 1986 Jun; 116(6):1054–60
The rate of rhodopsin regeneration in the bleached eyes of zinc-deficient rats in the dark. Dorea JG, et al. **J Nutr** 1986 Jan;116(1):121–7
Effects of isolated zinc deficiency on the composition of skeletal muscle, liver and bone during growth in rats. Park JH, et al. **J Nutr** 1986 Apr;116(4):610–7
Effects of dietary zinc deprivation on the activity of angiotensin-converting enzyme in serum of rats and guinea pigs. Reeves PG, et al. **J Nutr** 1986 Jan;116(1):128–34
Effect of low zinc intakes on basal metabolic rate, thyroid hormones and protein utilization in adult men. Wada L, et al. **J Nutr** 1986 Jun;116(6):1045–53
Clinical and biochemical manifestation zinc deficiency in human subjects. Prasad AS. **J Pharmacol** 1985 Oct-Dec; 16(4):344–52 (44 ref.)
Effect of dietary zinc deficiency on the accumulation of cadmium and metallothionein in selected tissues of the rat. Waalkes MP. **J Toxicol Environ Health** 1986;18(2):301–13
Zinc deficiency and lymphocyte subpopulations. A study by flow cytometry. Couvreur Y, et al. **JPEN J Parenter Enteral Nutr** 1986 Mar-Apr;10(2):239–41
Clinical studies on zinc metabolism during total parenteral nutrition as related to zinc deficiency. Takagi Y, et al. **JPEN J Parenter Enteral Nutr** 1986 Mar-Apr; 10(2):195–202
Misconceptions about preconceptional care [editorial] **Lancet** 1985 Nov 9;2(8463):1046–7
Androgen receptors in ventral prostate glands of zinc deficient rats. Chung KW, et al. **Life Sci** 1986 Jan 27; 38(4):351–6
Zinc, cadmium, metallothionein, and progesterone: do they participate in the etiology of pregnancy induced hypertension? Chisolm JC, et al. **Med Hypotheses** 1985 Jul; 17(3):231–42 (75 ref.)
Is aging inevitable? The intracellular zinc deficiency hypothesis of aging. Garfinkel D. **Med Hypotheses** 1986 Feb;19(2):117–37 (85 ref.)
Zinc deficiency and haem synthesis: an additional problem in uraemia [letter] Yalouris AG. **Nephron** 1986;43(1):72
Zinc deficiency in the postnatal rat: implications for lead toxicity. Petit TL, et al. **Neurotoxicology** 1986 Spring; 7(1):237–46
Cataract as an outcome of zinc deficiency in salmon. **Nutr Rev** 1986 Mar;44(3):118–20 (7 ref.)
Zinc deprivation of pregnant monkeys. **Nutr Rev** 1985 Nov; 43(11):353–6
Zinc deficiency acts as a co-teratogen with alcohol in fetal alcohol syndrome. Keppen LD, et al. **Pediatr Res** 1985 Sep;19(9):944–7
The effects of severe zinc deficiency on intestinal permeability: an ultrastructural study. Moran JR, et al. **Pediatr Res** 1985 Sep;19(9):968–73
Effects of short-term isolated zinc deficiency on intestinal growth and activities of several brush border enzymes in weaning rats. Park JH, et al. **Pediatr Res** 1985 Dec; 19(12):1333–6
Zinc deficiency and edema [letter] Golden MH, et al. **Pediatrics** 1986 Jan;77(1):132–3
Zinc and copper balances in preterm infants. Tyrala EE. **Pediatrics** 1986 Apr;77(4):513–7
Learning and memory disabilities in young adult rats from mildly zinc deficient dams. Halas ES, et al. **Physiol Behav** 1986;37(3):451–8
Effects of dietary zinc depletion and food restriction on intestinal transport of cadmium in the rat. Hoadley JE, et al. **Proc Soc Exp Biol Med** 1985 Nov;180(2):296–302
Zinc deficiency affects the composition of the rat adrenal gland. Rothman RJ, et al. **Proc Soc Exp Biol Med** 1986 Jul;182(3):350–7
Functional consequences of zinc deficiency. McClain CJ, et al. **Prog Food Nutr Sci** 1985;9(1–2):185–226 (262 ref.)
The effect of zinc deficiency and food restriction on prostaglandin E2 and thromboxane B2 in saliva and plasma of rats. Bales CW, et al. **Prostaglandins** 1986 May; 31(5):859–68
Zinc deficiency and blood lymphocyte function with sickle cell disease. Daeschner CW 3d, et al. **Scand J Haematol** 1985 Aug;35(2):186–90
The effect of topical zinc absorption from wounds on growth and the wound healing process in zinc-deficient rats. Hallmans G, et al. **Scand J Plast Reconstr Surg** 1985; 19(2):119–25
Clinical, endocrinologic, and biochemical effects of zinc deficiency. Prasad AS. **Spec Top Endocrinol Metab** 1985; 7:45–76 (100 ref.)
Maternal metabolism and teratogenesis in zinc-deficient rats. Record IR, et al. **Teratology** 1986 Jun;33(3):311–7
Cellular necrosis in zinc-deficient rat embryos. Record IR, et al. **Teratology** 1985 Dec;32(3):397–405
Influence of dietary zinc on di(2-ethylhexyl)phthalate-induced testicular atrophy and zinc depletion in adult rats. Agarwal DK, et al. **Toxicol Appl Pharmacol** 1986 Jun 15;84(1):12–24
Induction of skeletal malformations in the offspring of rats fed a zinc deficient diet. Styrud J, et al. **Ups J Med Sci** 1986;91(1):29–36
[Malnutrition, delayed height and weight gain, zinc deficiency, anemia and geophagia] Barbier ML, et al. **Ann Pediatr (Paris)** 1986 Jan;33(1):51–4 (Eng. Abstr.) **(Fre)**
[Zinc content of leukocytes and serum in psoriasis patients] Wasik F, et al. **Hautarzt** 1985 Oct;36(10):573–6 (Eng. Abstr.) **(Ger)**
[Zinc, the immune system and autoimmune diseases] el-Roeiy A, et al. **Harefuah** 1985 Dec 15;109(12):406–8 (36 ref.) **(Heb)**
[Zinc deficiency syndrome during protracted total parenteral nutrition] Bonatti PL, et al. **Chir Patol Sper** 1983 Aug; 31(4):177–83 (Eng. Abstr.) **(Ita)**
[Disorders of reproductive functions in microelement imbalance] Avtsyn AP, et al. **Vestn Akad Med Nauk SSSR** 1986;(1):9–15 (Eng. Abstr.) **(Rus)**
[Oligoelements in patients on total parenteral nutrition: plasma or supplement] Ize Lamache L, et al. **Rev Gastroenterol Mex** 1985 Apr-Jun;50(2):87–92 (Eng. Abstr.) **(Spa)**

DIAGNOSTIC USE

[Zinc sulfate test indices in the mother-fetus-amniotic fluid system] Avakian ZA. **Lab Delo** 1986;(5):314–5 **(Rus)**

METABOLISM

Zinc and alkaline phosphatase in developing rat oral mucosa. Sjögren S, et al. **Acta Odontol Scand** 1986 Jun;44(3):177–84
Zinc and copper in hair and plasma of children with chronic diarrhea. Rodriguez A, et al. **Acta Paediatr Scand** 1985 Sep;74(5):770–4
Atherosclerosis precursors in Finnish children and adolescents. XIV. Zinc and copper concentrations in deciduous teeth. Haavikko K, et al. **Acta Paediatr Scand [Suppl]** 1985;318:213–9
Glucose polymer increases jejunal calcium, magnesium, and zinc absorption in humans. Bei L, et al. **Am J Clin Nutr** 1986 Aug;44(2):244–7
Effects of calcium carbonate and hydroxyapatite on zinc and iron retention in postmenopausal women. Dawson-Hughes B, et al. **Am J Clin Nutr** 1986 Jul;44(1):83–8
The absorption of zinc from a standardized meal in alcoholics and in normal volunteers. Dinsmore WW, et al. **Am J Clin Nutr** 1985 Oct;42(4):688–93
Zinc tolerance tests in zinc deficient and zinc supplemented diets. Fickel JJ, et al. **Am J Clin Nutr** 1986 Jan;43(1):47–58
Intestinal transport of zinc and folic acid: a mutual inhibitory effect. Ghishan FK, et al. **Am J Clin Nutr** 1986 Feb; 43(2):258–62
Kinetics of zinc uptake and exchange by primary cultures of rat hepatocytes. Pattison SE, et al. **Am J Physiol** 1986 Jun;250(6 Pt 1):E677–85
Kinetic analysis of zinc metabolism and its regulation in normal humans. Wastney ME, et al. **Am J Physiol** 1986 Aug;251(2 Pt 2):R398–408
Zinc tolerance test in uremia. Effect of ferrous sulfate and aluminum hydroxide. Abu-Hamdan DK, et al. **Ann Intern Med** 1986 Jan;104(1):50–2
Serum and semen zinc levels in normozoospermic and oligozoospermic men. Madding CI, et al. **Ann Nutr Metab** 1986;30(4):213–8
Aflatoxin contamination in soybeans: role of proteinase inhibitors, zinc availability, and seed coat integrity. Stössel P. **Appl Environ Microbiol** 1986 Jul;52(1):68–72
Effects of cadmium exposure on zinc and copper distribution in neonatal rats. Thomas DJ, et al. **Arch Toxicol** 1986 Feb; 58(3):130–5
Prognostic significance of zinc in pregnancy with hepatitis. Agrawal NR, et al. **Asia Oceania J Obstet Gynaecol** 1985 Dec;11(4):589–91
The production and molecular properties of the zinc beta-lactamase of Pseudomonas maltophilia IID 1275. Bicknell R, et al. **Biochem J** 1985 Aug 1;229(3):791–7
Host zinc metabolism and the Ehrlich ascites tumour. Zinc redistribution during tumour-related stress. Ujjani B, et al. **Biochem J** 1986 Jan 1;233(1):99–105
Interaction of zinc ions with arsanilazotyrosine-248 carboxypeptidase A. Hirose J, et al. **Biochemistry** 1985 Jul 2;24(14):3495–502
Physiological roles of zinc and calcium binding to alpha-lactalbumin in lactose biosynthesis. Musci G, et al. **Biochemistry** 1985 Nov 19;24(24):6945–8
Qualitative and quantitative aspects of human fetal liver metallothioneins. Clough SR, et al. **Biol Neonate** 1986; 49(5):241–54
Placental handling of zinc in the guinea pig. Simmer K, et al. **Biol Neonate** 1985;48(2):114–21
Studies of zinc metabolism in pregnant and lactating rats. Fairweather-Tait SJ, et al. **Br J Nutr** 1985 Sep;54(2):401–13
The retention of 59Fe and 65Zn by preruminant lambs given milk-substitutes based on either casein or soya-bean-protein isolate. Hill R, et al. **Br J Nutr** 1985 May;53(3):587–93
Zinc, copper and iron concentrations in the plasma and diets of lactating Nigerian women. Mbofung CM, et al. **Br J Nutr** 1985 May;53(3):427–39
Reduction of the phytate content of bran by leavening in bread and its effect on zinc absorption in man. Nävert B, et al. **Br J Nutr** 1985 Jan;53(1):47–53
Release of zinc sulphide accumulations into synaptic clefts after in vivo injection of sodium sulphide. Pérez-Clausell J, et al. **Brain Res** 1986 Jan 8;362(2):358–61
Entorhinal and prepiriform cortices of the European hedgehog. A histochemical and densitometric study based on a comparison between Timm's sulphide silver method and the selenium method. Schwerdtfeger WK, et al. **Brain Res** 1985 Nov 25;348(1):69–76

Magnitude and distribution pattern of zinc in oysters. Koli AK, et al. **Bull Environ Contam Toxicol** 1986 Jun; 36(6):895–9

Toward a molecular understanding of zinc metabolism. Cousins RJ. **Clin Physiol Biochem** 1986;4(1):20–30 (46 ref.)

A comparison of the sequestration of cadmium and zinc in the tissues of rainbow trout (Salmo gairdneri) following exposure to the metals singly or in combination. Thomas DG, et al. **Comp Biochem Physiol [C]** 1985;82(1):55–62

A preliminary study of Cu–, Cd– and Zn–binding components in the hepatopancreas of Palaemon elegans (Crustacea: Decapoda). White SL, et al. **Comp Biochem Physiol [C]** 1986;83(1):111–6

Chelating drugs and zinc. Weismann K. **Dan Med Bull** 1986 Aug;33(4):208–11

Zinc absorption in inflammatory bowel disease. Valberg LS, et al. **Dig Dis Sci** 1986 Jul;31(7):724–31

Zinc absorption in alcoholics using zinc–65. Dinsmore W, et al. **Digestion** 1985;32(4):238–42

Self–association of 1,N6–ethenoadenosine 5'–triphosphate (epsilon–ATP) and promotion by metal ions. Scheller KH, et al. **Eur J Biochem** 1986 May 15;157(1):147–53

Coordinate expression of MnSOD and CuZnSOD in human fibroblasts. Crosti N, et al. **Exp Cell Res** 1985 Oct; 160(2):396–402

Effects of alcohol ingestion on zinc content of human and rat central nervous systems. Kasarskis EJ, et al. **Exp Neurol** 1985 Oct;90(1):81–95

The amino acid sequence of the zinc–requiring beta–lactamase II from the bacterium Bacillus cereus 569. Ambler RP, et al. **FEBS Lett** 1985 Sep 23;189(2):207–11

Copper and zinc concentrations in normal and malignant tissues of ovary, uterus and cervix. Jendryczko A, et al. **Ginekol Pol** 1985 Nov;56(11):677–81

Depletion of liver and esophageal epithelium vitamin A after chronic moderate ethanol consumption in rats: inverse relation to zinc nutriture. Mobarhan S, et al. **Hepatology** 1986 Jul–Aug;6(4):615–21

Demonstration of reduced levels of zinc in rat brain after treatment with d–amphetamine, but not after treatment with reserpine. Szerdahelyi P, et al. **Histochemistry** 1985; 83(2):181–7

The human sperm nucleus takes up zinc at ejaculation. Björndahl L, et al. **Int J Androl** 1986 Feb;9(1):77–80

Zinc–amino acid complexes for swine. Hill DA, et al. **J Anim Sci** 1986 Jul;63(1):121–30

The effect of low to normal dietary phosphorus levels on zinc metabolism and tissue distribution in calves. Laflamme DP, et al. **J Anim Sci** 1985 Aug;61(2):525–31

Alcohol and zinc—an incomplete story [editorial] Joshi VR, et al. **J Assoc Physicians India** 1985 Nov;33(11):687

Serum, and urinary zinc levels in alcoholics. Saksena HC, et al. **J Assoc Physicians India** 1985 Nov;33(11):691–2

Ions binding to S100 proteins. I. Calcium– and zinc–binding properties of bovine brain S100 alpha alpha, S100a (alpha beta), and S100b (beta beta) protein: Zn2+ regulates Ca2+ binding on S100b protein. Baudier J, et al. **J Biol Chem** 1986 Jun 25;261(18):8192–203

Conformational changes induced by binding of divalent cations to calregulin. Khanna NC, et al. **J Biol Chem** 1986 Jul 5;261(19):8883–7

Reaction of 3–ethoxy–2–oxobutyraldehyde bis(thiosemicarbazonato) Cu(II) with Ehrlich cells. Binding of copper to metallothionein and its relationship to zinc metabolism and cell proliferation. Kraker A, et al. **J Biol Chem** 1985 Nov 5;260(25):13710–8

Zn2+, not Ca2+, is the most effective cation for activation of dolichol kinase of mammalian brain. Sakakihara Y, et al. **J Biol Chem** 1985 Dec 15;260(29):15413–9

Zinc metabolism in man. Spencer H, et al. **J Environ Pathol Toxicol Oncol** 1985 Jul;5(6):265–78 (75 ref.)

Role of zinc in nephrolithiasis. Gupta A, et al. **J Indian Med Assoc** 1984 Jul;82(7):235–7

The functional role of zinc in angiotensin converting enzyme: implications for the enzyme mechanism. Bünning P, et al. **J Inorg Biochem** 1985 Jul;24(3):183–98

Trace element uptake in liver cells. 2. Effect of different proteins in the medium on the uptake of copper and zinc by hepatoma cells. van den Berg GJ, et al. **J Inorg Biochem** 1985 Aug;24(4):289–97

Of mice and men, metals and mutations. Danks DM. **J Med Genet** 1986 Apr;23(2):99–106 (61 ref.)

Effects of dietary cellulose and xylan on absorption and tissue contents of zinc and copper in rats. Jiang KS. **J Nutr** 1986 Jun;116(6):999–1006

Effect of browned and unbrowned corn products intrinsically labeled with 65Zn on absorption of 65Zn in humans. Lykken GI, et al. **J Nutr** 1986 May;116(5):795–801

Competitive interaction of iron and zinc in the diet: consequences for human nutrition. Solomons NW. **J Nutr** 1986 Jun;116(6):927–35 (50 ref.)

Stable isotope studies of zinc absorption and retention in young and elderly men. Turnlund JR, et al. **J Nutr** 1986 Jul;116(7):1239–47

Zinc utilization in young men fed adequate and low zinc intakes. Wada L, et al. **J Nutr** 1985 Oct;115(10):1345–54

Hepatic and serum levels of zinc, copper, and magnesium in childhood cirrhosis. Göksu N, et al. **J Pediatr Gastroenterol Nutr** 1986 May–Jun;5(3):459–62

Zinc status of untreated histidinemic children. Kitano A, et al. **J Pediatr Gastroenterol Nutr** 1985 Oct;4(5):752–5

The effect of zinc on mouse melanoma growth in vitro and in vivo. Borovanský J, et al. **Neoplasma** 1985;32(4):401–6

Zinc bioavailability of human and cow's milk. **Nutr Rev** 1986 May;44(5):181–3

Bioavailability of orally administered zinc, using Taurizine. Duisterwinkel FJ, et al. **Pharm Weekbl [Sci]** 1986 Feb 21; 8(1):85–8

Trace elements in nutrition of the elderly. 1. Established RDAs for iron, zinc, and iodine. Solomons NW. **Postgrad Med** 1986 May 1;79(6):231–2, 235–6, 238–9 passim

Abnormal zinc metabolism in unilateral maldescended testes of a mutant rat strain. Chan WY, et al. **Proc Soc Exp Biol Med** 1986 Sep;182(4):549–58

Influence of spontaneous diabetes on tissue status of zinc, copper, and manganese in the BB Wistar rat. Failla ML, et al. **Proc Soc Exp Biol Med** 1985 Nov;180(2):317–22

Effect of wheat bran and pectin on the absorption and retention of phosphorus, calcium, magnesium and zinc by the growing pig. Bagheri S, et al. **Reprod Nutr Dev** 1985; 25(4A):705–16

Zinc bioavailability from a faba bean diet to rats. Martínez JA, et al. **Rev Esp Fisiol** 1986 Mar;42(1):123–4

Effect of total parenteral nutrition on the zinc, copper, and manganese status of patients with catabolic disease. Tulikoura I, et al. **Scand J Gastroenterol** 1986 May; 21(4):421–7

Partitioning of renal zinc between metallothionein and ethylenediaminetetraacetic acid (EDTA) after treatment of rats with Ca(Na)2EDTA. Miller CR, et al. **Toxicol Appl Pharmacol** 1986 Jul;84(3):584–92

Studies on the copper and zinc content of the rat kidney after treatment with cisplatin. Mason RW, et al. **Toxicology** 1985 Dec;37(3–4):267–74

Absorption and distribution of cadmium (Cd), copper and zinc following oral subchronic low level administration to rats of different binding forms of cadmium (Cd–acetate, Cd–metallothionein, Cd–glutathione). Müller L, et al. **Toxicology** 1986 May;39(2):187–95

Effect of proteins on availability of zinc. I. Gastrointestinal transit time of casein and whey protein and zinc absorption in weaned rats. Rehner G, et al. **Z Ernahrungswiss** 1985 Dec;24(4):245–55

[Changes in the metabolism of zinc and copper in chronic liver diseases] Dastych M, et al. **Vnitr Lek** 1986 Feb; 32(2):144–50 (Eng. Abstr.) **(Cze)**

[Trace elements (zinc, copper, manganese) in alcoholic cirrhosis: effect of chronic alcoholism] Zarski JP, et al. **Gastroenterol Clin Biol** 1985 Oct;9(10):664–9 (Eng. Abstr.) **(Fre)**

[Is type A behavior modulated by genetic factors regulating magnesium and zinc metabolism? Working hypotheses and preliminary results] Henrotte JG, et al. **Magnesium** 1985; 4(5–6):295–302 (Eng. Abstr.) **(Fre)**

[Fe, Cu and Zn contents in various organs, tissues of the central nervous system and skeletal muscles of normally developed piglets and splayleg piglets of different body weight] Weber P, et al. **Arch Exp Veterinarmed** 1986 May; 40(3):425–35 (Eng. Abstr.) **(Ger)**

[Effect of penicillamine therapy on the concentration of zinc, copper, iron, calcium and magnesium in the serum and their excretion in urine] Dastych M, et al. **Z Gastroenterol** 1986 Mar;24(3):157–60 (Eng. Abstr.) **(Ger)**

[Determination of zinc, magnesium and copper in the amniotic fluid of pregnant patients with suspected intrauterine retardation] During R, et al. **Zentralbl Gynakol** 1985;107(18):1136–8 (Eng. Abstr.) **(Ger)**

[Uptake and distribution of Zn–65 in the masticatory system of albino rats] Kwapińska H. **Folia Med Cracov** 1986; 27(1–2):103–16 (Eng. Abstr.) **(Pol)**

[Role of zinc in general and ocular metabolism] Chereches S, et al. **Rev Chir [Oftalmol]** 1985 Jul–Sep;29(3):185–9 (Eng. Abstr.) **(Rum)**

[Effect of chronic alcoholic intoxication on zinc metabolism in the mother and her progeny] Babenko GA, et al. **Akush Ginekol (Mosk)** 1986 Mar;(3):50–2 (Eng. Abstr.) **(Rus)**

[Changes in zinc, copper and nucleic acid metabolism in kidney recipients after allotransplantation] Darenkov AF, et al. **Urol Nefrol (Mosk)** 1985 Sep–Oct;(5):48–52 (Eng. Abstr.) **(Rus)**

[Changes in zinc and copper levels of the blood and organs after chronic stress immobilization in rats of various ages] Kadrabová J, et al. **Cas Lek Cesk** 1986 Jun 6;125(23):708–11 (Eng. Abstr.) **(Slo)**

[Malabsorption of zinc and its consequences in the child] Klocáňová N, et al. **Cesk Pediatr** 1985 Nov;40(11):642–5 (Eng. Abstr.) **(Slo)**

[Zinc balance in malnourished children given prolonged total parenteral feeding] Peris Vidal A, et al. **An Esp Pediatr** 1986 Feb;24(2):111–7 (Eng. Abstr.) **(Spa)**

[Acrodermatitis enteropathica] Morán–Vázquez JO, et al. **Bol Med Hosp Infant Mex** 1986 Mar;43(3):184–7 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Enhancement of vitamin D3 effect on bone metabolism in weanling rats orally administered zinc sulphate. Yamaguchi M, et al. **Acta Endocrinol (Copenh)** 1986 Feb;111(2):285–8

Zinc lead–interaction in the rabbit. el–Waseef A, et al. **Acta Med Hung** 1985;42(3–4):199–207

Gill metabolism after chronic subacute zinc treatments. Tort L, et al. **Acta Physiol Pharmacol Latinoam** 1985;35(3):375–8

Antiviral effect of zinc ions on aphthovirus in BHK–21 cell line [letter] Sharma R, et al. **Acta Virol (Praha)** 1985 Dec; 29(6):517

Zinc–mediated urate binding to human albumin. Fleckenstein JL, et al. **Adv Exp Med Biol** 1986;195 Pt A:345–9

Physiological concentrations of zinc inhibit the release of histamine from human basophils and lung mast cells. Marone G, et al. **Agents Actions** 1986 Apr;18(1–2):103–6

Zinc a d ethanol: dietary interrelationships in pregnant rats. Shetlar CL, et al. **Alcohol** 1986 Mar–Apr;3(2):145–52

Zinc inhibits FPA release and increases fibrin turbidity. Marx G, et al. **Am J Hematol** 1986 Aug;22(4):347–53

Stimulation rate, potentiators, and sarcomere length–tension relationship of muscle. Rome LC, et al. **Am J Physiol** 1985 Nov;249(5 Pt 1):C497–502

The effect of zinc, arginine, fructose and seminal supernatant of normal semen on the triple adenosine triphosphatase activities of the spermatozoa from males with oligoasthenozoospermia. Karacagil M, et al. **Andrologia** 1985 Jul–Aug;17(4):383–8

Copper deficiency effects on cardiovascular system and lipid metabolism in the rat; the role of dietary proteins and excessive zinc. Stemmer KL, et al. **Ann Nutr Metab** 1985; 29(6):332–47

Effect of divalent ions in acrosome reaction induced by glycosamineglycans in porcine spermatozoa. Delgado NM, et al. **Arch Androl** 1985;14(2–3):193–8

Inhibition of dextransucrase by Zn2+, Ni2+, Co2+, and Tris(hydroxymethyl)aminomethane (Tris). Miller AW, et al. **Arch Biochem Biophys** 1986 Aug 1;248(2):579–86

Micromolar concentrations of Zn2+ potentiates Ca2+–induced phase separation of phosphatidyl serine containing liposomes. Deleers M, et al. **Biochem Biophys Res Commun** 1986 Apr 29;136(2):476–81

Synergistic effects of micromolar concentrations of Zn2+ and Ca2+ on membrane fusion. Deleers M, et al. **Biochem Biophys Res Commun** 1986 May 29;137(1):101–7

Regulation of prostatic genes: role of androgens and zinc in gene expression. Matusik RJ, et al. **Biochem Cell Biol** 1986 Jun;64(6):601–7

Effect of zinc on the binding and action of growth hormone in isolated rat adipocytes. Herington AC. **Biochem Int** 1985 Dec;11(6):853–62

Acid ATPase from chicken liver lysosomes. III. A metal ion–activated ATPase combines with membranous phosphatidylinositol. Maeda K, et al. **Biochem Int** 1986 Jun; 12(6):855–63

Valproic acid teratogenicity in whole embryo culture is not prevented by zinc supplementation. Coakley ME, et al. **Biochem Pharmacol** 1986 Mar 15;35(6):1052–5

The effect of zinc in vivo and in vitro on the activities of angiotensin converting enzyme and kininase–I in the plasma of rats. White CL, et al. **Biochem Pharmacol** 1986 Aug 1;35(15):2489–93

Action of zinc on bone metabolism in rats. Increases in alkaline phosphatase activity and DNA content. Yamaguchi M, et al. **Biochem Pharmacol** 1986 Mar 1; 35(5):773–7

Transcription by T7 RNA polymerase is not zinc–dependent and is abolished on amidomethylation of cysteine–347. King GC, et al. **Biochemistry** 1986 Jan 14;25(1):36–40

Low–density lipoprotein (LDL) and lymphocyte responses: direct suppression by native LDL and indirect inhibition from zinc chelation by contaminating EDTA. Cuthbert JA, et al. **Biochim Biophys Acta** 1986 Apr 15;876(2):210–9

Zinc and paired–pulse potentiation in the hippocampus. Khulusi SS, et al. **Brain Res** 1986 Jan 15;363(1):152–5

Effect of cadmium and zinc on microbial adhesion, growth, and metal uptake. Bhattacherjee JW. **Bull Environ Contam Toxicol** 1986 Mar;36(3):396–400

Effects of zinc during culture of an insulin–producing rat cell line (RINm5F). Hoftiezer V, et al. **Cancer Lett** 1985 Oct;29(1):15–22

Effect of dietary zinc intake on the hematological profile of the rat. Paterson PG, et al. **Comp Biochem Physiol [A]** 1986;83(4):721–5

Induction of heavy metal binding groups by dexamethasone and Zn in cultured Chinese hamster ovary cells. Andersen RA, et al. **Comp Biochem Physiol [C]** 1986;84(2):345–8

Effects of confinement stress and additional zinc treatment on some blood parameters in the dogfish Scyliorhinus canicula. Torres P, et al. **Comp Biochem Physiol [C]** 1986; 83(1):89–92

An altered series of ectodermal gene expressions accompanying the reversible suspension of differentiation in the zinc–animalized sea urchin embryo. Nemer M. **Dev Biol** 1986 Mar;114(1):214–24

Effects of zinc sulphate on ethanol– and indomethacin–induced ulceration and changes in prostaglandin E2 and histamine levels in the rat gastric glandular mucosa. Cho CH, et al. **Digestion** 1985; 32(4):288–95

Interaction of tin and zinc in some processes of heme biosynthesis in rabbits. Zareba G, et al. **Ecotoxicol Environ Safety** 1986 Apr;11(2):144–52

Reversal by thiols of dopamine–, stalk–median eminence–, and zinc–induced inhibition of prolactin transformation in adenohypophyses of lactating rats. Martinez–Escalera G, et al. **Endocrinology** 1986 May;118(5):1803–7

Tetrodotoxin–sensitive and tetrodotoxin–resistant Na+ channels differ in their sensitivity to Cd2+ and Zn2+.

Frelin C, et al. **Eur J Pharmacol** 1986 Mar 18;122(2):245–50
Zinc as a second messenger of mitogenic induction. Effects on diadenosine tetraphosphate (Ap4A) and DNA synthesis. Grummt F, et al. **Exp Cell Res** 1986 Mar;163(1):191–200
Influence of the incubation of cells with zinc and lithium ions on GVH reactivity of cells and on their ability to form haemopoietic colonies. Hrubá A, et al. **Folia Biol (Praha)** 1986;32(2):81–90
Protection by zinc against acetaminophen induced hepatotoxicity in mice. Chengelis CP, et al. **Fundam Appl Toxicol** 1986 Feb;6(2):278–84
Effect of oral zinc application during pregnancy. Kynast G, et al. **Gynecol Obstet Invest** 1986;21(3):117–23
Regulation of thrombin-induced mast cell degranulation by zinc and manganese. Baranes D, et al. **Immunol Lett** 1986 Mar;12(2–3):95–9
Plasmid linked mercury & zinc resistance in Klebsiella pneumoniae. Walia SK, et al. **Indian J Med Res** 1986 Apr; 83:369–73
Improved detection of labile cell-surface components with zinc chloride–aprotinin: demonstration of glycoprotein differences in K–1735 metastatic melanoma variants. Rieber M, et al. **Int J Cancer** 1985 Nov 15;36(5):623–8
Effect of ZnSO4 upon gastric acid secretion and carbonic anhydrase. Puscas I, et al. **Int J Clin Pharmacol Ther Toxicol** 1985 Nov;23(11):609–12
Zinc feeding and fertility of male rats. Samanta K, et al. **Int J Vitam Nutr Res** 1986;56(1):105–8
Effects of zinc on tumor transplantability. Erkell LJ, et al. **Invasion Metastasis** 1986;6(2):112–22
A Zn2+–dependent and histone H1–specific protease in sea urchin sperm. Taniguchi Y, et al. **J Biochem (Tokyo)** 1986 Mar;99(3):931–8
Zn2+–dependent reversible inactivation of rat liver phosphofructokinase–1. Purification of the inactivating protein and characterization of the inactivation reaction. Brand IA, et al. **J Biol Chem** 1986 May 5;261(13):5892–900
Inhibitory effect of zinc(II) on free radical lipid peroxidation in erythrocyte membranes. Girotti AW, et al. **J Free Radic Biol Med** 1985;1(5–6):395–401
Influence of dietary zinc and cadmium on iron bioavailability in mice and rats: oyster versus salt sources. Siewicki TC, et al. **J Nutr** 1986 Feb;116(2):281–9
Protective effect of zinc against ethanol toxicity in mice. Dar MS, et al. **J Toxicol Environ Health** 1986;18(1):41–8
Mechanism of protection by zinc against mercuric chloride toxicity in rats: effects of zinc and mercury on glutathionine metabolism. Fukino H, et al. **J Toxicol Environ Health** 1986; 19(1):75–89
Effects of cadmium and zinc on spontaneous and antibody-dependent cell-mediated cytotoxicity. Stacey NH. **J Toxicol Environ Health** 1986;18(2):293–300
The effects of zinc chloride on the RNP structures in HEp–2 cells: accumulation of perichromatin granules. Cervera J, et al. **J Ultrastruct Res** 1985 Dec;93(3):129–37
Response to lepromin unaltered by application of zinc to the skin in lepromatous leprosy patients [letter] Subramanyam VR. **Lepr Rev** 1986 Mar;57(1):72–3
The effect of zinc on normal and neoplastic T-lymphocyte proliferation. Mathe G, et al. **Med Oncol Tumor Pharmacother** 1985;2(3):203–10
Cysteamine, zinc, and thiols modify detectability of rat pituitary prolactin: a comparison with effects on bovine prolactin suggests differences in hormone storage. Jacobs LS, et al. **Metabolism** 1986 Mar;35(3):209–15
Inhibition of the differentiation of Candida albicans by the chelator 1,10–phenanthroline. Bedell GW, et al. **Mycopathologia** 1985 Dec;92(3):161–7
Effect of elevated temperatures and low levels of trace metals on the growth and phenotypic development of Candida albicans. Ismail A, et al. **Mycopathologia** 1986 Apr; 94(1):45–51
Zinc and immunity [letter] Filteau SM, et al. **Nutr Rev** 1986 Aug;44(8):283–4
Protection by zinc sulphate against ethanol-induced ulceration: preservation of the gastric mucosal barrier. Wong SH, et al. **Pharmacology** 1986;33(2):94–102
Suppression of antibody response by excess dietary zinc exposure during certain stages of ontogeny. Mulhern SA, et al. **Proc Soc Exp Biol Med** 1985 Dec;;30(3):453–61
Effect of zinc and other cations on the release of the eosinophil cationic protein. Winqvist I, et al. **Scand J Clin Lab Invest** 1985 Dec;45(8):671–7
The effect of topical zinc absorption from wounds on growth and the wound healing process in zinc-deficient rats. Hallmans G, et al. **Scand J Plast Reconstr Surg** 1985; 19(2):119–25
Mode of inhibitory action of Zn2+, Hg2+ and UO2(2+) on 5'-nucleotidase of mouse hepatic microsomes. Lin RH, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Sep;84(9):1009–16
Interactions between metals in rat jejunum: implications on the nature of cadmium uptake. Foulkes EC. **Toxicology** 1985 Oct;37(1–2):117–25
Protection against cadmium toxicity by zinc: decrease in the Cd–high molecular weight protein fraction in rat liver and kidney on Zn pretreatment. Kudo N, et al. **Toxicology** 1986 Sep;40(3):267–77
The interaction of zinc and cadmium in the synthesis of hepatic metallothionein in rats. Scheuhammer AM, et al. **Toxicology** 1985 Aug;36(2–3):101–8
[Effect of zinc content in the fodder on cadmium retention in the liver and kidneys in chickens] Bundscherer B, et al. **Z Ernahrungswiss** 1985 Jun;24(2):73–8 (Eng. Abstr.) (Ger)
[Effect of the Zn supply on alkaline ribonuclease activity in rats] Roth HP, et al. **Z Ernahrungswiss** 1985 Jun; 24(2):79–84 (Eng. Abstr.) (Ger)
[Effect of zinc on wound healing] Niedner R, et al. **Z Hautkr** 1986 May 15;61(10):741–2 (Eng. Abstr.) (Ger)
[31P–NMR study of the levels of phosphorus–containing metabolites in the mouse liver during administration of highly dispersed zinc powder] Fatkullina LD, et al. **Biofizika** 1985 Jul–Aug;30(4):650–4 (Eng. Abstr.) (Rus)
[The effect of highly–dispersed zinc powder on the functional state of blood components and rat liver mitochondria] Fedorov IuI, et al. **Biofizika** 1986 Mar–Apr;31(2):290–3 (Eng. Abstr.) (Rus)
[Formation of the left–handed helix during simultaneous treatment of poly[d(GC)] with bis–netropsin and Zn(II) ions] Kharatishvili MG, et al. **Biofizika** 1985 Jul–Aug; 30(4):701–3 (Eng. Abstr.) (Rus)
[Effect of a highly dispersed zinc powder on the cAMP phosphodiesterase activity in mouse thymocytes] Rybalkin SD, et al. **Biol Nauki** 1986;(1):30–3 (Eng. Abstr.) (Rus)
[Effect of carbostimulin on acid–base equilibrium of the blood of racing horses during exertion] Kalinskil MI, et al. **Ukr Biokhim Zh** 1986 Jan–Feb;58(1):83–5 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Influence of dietary zinc deficiency and parenteral zinc on rat liver fructose 1,6–bisphosphatase activity. Cowen LA, et al. **Biochem Biophys Res Commun** 1986 Jan 29; 134(2):944–50
The status of zinc in malaria (Plasmodium falciparum) infected human red blood cells: stage dependent accumulation, compartmentation and effect of dipicolinate. Ginsburg H, et al. **Biochim Biophys Acta** 1986 May 29; 886(3):337–44
Binding of ligands to horse liver alcohol dehydrogenase lacking zinc ions at the active sites. Kovář J, et al. **Eur J Biochem** 1986 Mar 3;155(2):391–6
[The importance of zinc in the immune system in children] Matuska J. **Cesk Pediatr** 1986 Jul;41(7):414–7 (Cze)
[Zinc—an essential trace element, its distribution in the human body, its biologic function and metabolism] Tiefenbach J. **Vnitr Lek** 1986 Jul;32(7):707–14 (Eng. Abstr.) (Cze)
[Zinc—biologic, pathophysiologic and clinical aspects] Wietholtz H, et al. **Med Monatsschr Pharm** 1986 Jul; 9(7):211–6 (Ger)
[Zinc and growth] Felici W, et al. **Minerva Pediatr** 1985 May 31;37(10):377–83 (41 ref.) (Eng. Abstr.) (Ita)

POISONING

Psychological performance in relation to central and peripheral nerve conduction in workers exposed to lead, zinc, and copper. Araki S, et al. **Am J Ind Med** 1986; 9(6):535–42
Subclinical cervico–spino–bulbar effects of lead: a study of short–latency somatosensory evoked potentials in workers exposed to lead, zinc, and copper. Araki S, et al. **Am J Ind Med** 1986;10(2):163–75
Acute zinc toxicity in sheep. Allen JG, et al. **Aust Vet J** 1986 Mar;63(3):93–5
Gastric stenosis caused by Everflux. Rees BI, et al. **Br J Clin Pract** 1986 Jul;40(7):303–4
Skeletal muscle and myocardial injury associated with metal fume fever. Shusterman D, et al. **J Fam Pract** 1986 Aug; 23(2):159–60
Renal lesions and tissue concentrations of zinc, copper, iron and manganese in experimentally zinc intoxicated sheep. Allen JG, et al. **Res Vet Sci** 1985 Sep;39(2):249–51
Three cases of acute zinc toxicosis in dogs. Breitschwerdt EB, et al. **Vet Hum Toxicol** 1986 Apr;28(2):109–17
[Poisoning with Hexite smoke ammunition] Blom L, et al. **Ugeskr Laeger** 1986 Feb 17;148(8):454–5 (Eng. Abstr.) (Dan)
[Bronchial asthma—precipitated by zinc chloride] Lange B, et al. **Ugeskr Laeger** 1986 Feb 17;148(8):455 (Eng. Abstr.) (Dan)
[Effect of subchronic cadmium chloride, lead acetate and zinc chloride poisoning on the thyroid gland in rabbits receiving adequate amounts of iodine] Jonderko G, et al. **Endokrynol Pol** 1985;36(2):105–14 (Eng. Abstr.) (Pol)

SECRETION

Stimulation of bile–pancreatic zinc, protein and carboxypeptidase secretion in response to various proteins in the rat. Berger J, et al. **J Nutr** 1986 Feb;116(2):265–72

THERAPEUTIC USE

Protection against acute ethanol toxicity in mice by zinc aspartate, glycols, levulose and pyritinol. Floersheim GL. **Agents Actions** 1985 Sep;16(6):580–4
Zinc therapy in anorexia nervosa [letter] Safai–Kutti S, et al. **Am J Psychiatry** 1986 Aug;143(8):1059
Value of intraprostatic injection of zinc and vitamin C and of ultrasound application in infertile men with chronic prostatitis. Fahim MS, et al. **Arch Androl** 1985;14(1):81–7
Response of alkaline phosphatase to zinc repletion in hypozincemic hemodialysis patients. Stammler G, et al. **Blood Purif** 1985;3(4):192–8
In vitro zinc correction of natural killer (NK) activity in the elderly [letter] Ventura MT, et al. **Clin Exp Immunol** 1986 Apr;64(1):223–4
Studies on thromboxane B2 and prostaglandin E2 production in the course of murine autoimmune disease: inhibition by oral histidine and zinc supplementation. Steinhauer HB, et al. **Clin Nephrol** 1985 Aug;24(2):63–8
Topical zinc in the treatment of herpes simplex. Finnerty EF. **Cutis** 1986 Feb;37(2):130–1
Elastase 1 levels during oral zinc therapy [letter] Umeki S, et al. **Dev Med Child Neurol** 1986 Feb;28(1):123–4
"Role of zinc (Yashad Bhasma) in arrest of myopia".Puri RN, et al. **Indian J Ophthalmol** 1983;31 Suppl:816–22
More on the medical "cure" for cataracts [letter]Riekert CG. **J Am Vet Med Assoc** 1986 Jun 15;188(12):1364
Abnormalities of fecal flora in patients with acrodermatitis enteropathica. Ishibashi Y, et al. **J Dermatol (Tokyo)** 1985 Jun;12(3):219–25
Zinc as a treatment for Wilson's disease—an orphan among orphans. Brewer GJ, et al. **Prog Clin Biol Res** 1985; 197:143–56
Teratogenic effect of calcium edetate (CaEDTA) in rats and the protective effect of zinc. Brownie CF, et al. **Toxicol Appl Pharmacol** 1986 Mar 15;82(3):426–43
Copper metabolism in uremia: effect of dialysis and zinc supplementation. Mahajan SK, et al. **Trans Am Soc Artif Intern Organs** 1985;31:521–5
[Maintenance treatment of Wilson's disease with oral zinc. Apropos of a child treated for 4 years] Alexiou D, et al. **Arch Fr Pediatr** 1985 Jun–Jul;42(6):447–9 (Eng. Abstr.) (Fre)
[Hepatoma in addition to active viral hepatitis. A simplified technic of right hepatectomy in the variety with a long portal pedicle. Zinc in hepatectomies. Apropos of a case] Couinaud C, et al. **Chirurgie** 1985;111(7):599–604 (Eng. Abstr.) (Fre)
[Treatment of acute portosystemic encephalopathy with zinc] Couinaud C. **Chirurgie** 1985;111(7):575–9 (Eng. Abstr.) (Fre)
[Should zinc be given to alcoholic cirrhotic patients?] Labadie H, et al. **Gastroenterol Clin Biol** 1985 Oct; 9(10):661–3 (Fre)
[Oral zinc in Wilson disease—an alternative to D–penicillamine] Ramadori G, et al. **Z Gastroenterol** 1985 Jan;23(1):25–9 (Eng. Abstr.) (Ger)
[Experimental morphological basis for using zinc in treating senile cataract] Chuistova IP, et al. **Oftalmol Zh** 1985; (7):394–6 (Eng. Abstr.) (Rus)
[Effect of algipor and calmecine on the dental pulp of monkeys in the treatment of experimental traumatic pulpitis] Chumakova AA, et al. **Stomatologiia (Mosk)** 1985 Sep–Oct;64(5):6–9 (Eng. Abstr.) (Rus)
[Complex treatment of alopecia with preparations of zinc and copper] Timoshkova EN, et al. **Vestn Dermatol Venerol** 1986;(3):56–8 (Eng. Abstr.) (Rus)
[Effect of vitamin C and zinc on the toxic action of cadmium] Isaev MA, et al. **Vopr Pitan** 1986 May–Jun;(3):73–4 (Rus)
[Zinc supplements in uremic hypogonadism: absence of beneficial effects] del Río Vázquez A, et al. **Rev Clin Esp** 1986 May;178(8):373–6 (Eng. Abstr.) (Spa)

TOXICITY

Cadmium and zinc reversibly arrest development of Artemia larvae. Bagshaw JC, et al. **Bull Environ Contam Toxicol** 1986 Aug;37(2):289–96
Multiple regression analysis of toxic interactions: application to the Microtox test and general comments. Bois F, et al. **Bull Environ Contam Toxicol** 1986 May;36(5):707–14
Survival of Salmo gairdneri (rainbow trout) in the zinc polluted Molonglo River near Captains Flat, New South Wales, Australia. Graham GA, et al. **Bull Environ Contam Toxicol** 1986 Feb;36(2):186–91
Acute toxicity and accumulation of zinc in the crayfish, Orconectes virilis (Hagen). Mirenda RJ. **Bull Environ Contam Toxicol** 1986 Sep;37(3):387–94
Survival and hepatic metallothionein in developing rainbow trout exposed to a mixture of zinc, copper, and cadmium. Roch M, et al. **Bull Environ Contam Toxicol** 1986 Feb; 36(2):168–75
Toxicity of zinc to a viviparous fish, Lebistes reticulatus (Peters). Sehgal R, et al. **Bull Environ Contam Toxicol** 1986 Jun;36(6):888–94
The effects of natural exposure to high levels of zinc and cadmium in the immature pony as a function of age. Kowalczyk DF, et al. **Environ Res** 1986 Aug;40(2):285–300
Risk analysis of multiple environmental factors: radiation, zinc, cadmium, and calcium. Matsubara J, et al. **Environ Res** 1986 Aug;40(2):525–30
Alopecia induced in young mice by exposure to excess dietary zinc. Mulhern SA, et al. **Experientia** 1986 May 15; 42(5):551–3
Acute toxicity of brass particles to Daphnia magna. Johnson DW, et al. **J Appl Toxicol** 1986 Jun;6(3):225–8
Comparative inhalation hazards of aluminum and brass powders using bronchopulmonary lavage as an indicator of lung damage. Thomson SM, et al. **J Appl Toxicol** 1986 Jun;6(3):197–209
Lung injury in guinea pigs caused by multiple exposures to submicron zinc oxide mixed with sulfur dioxide in a

humidified furnace. Conner MW, et al.
J Toxicol Environ Health 1985;16(1):101–14
Effect of intratracheal injection of zinc oxide dust in guinea pigs. Gupta S, et al. **Toxicology** 1986 Feb;38(2):197–202
Effects of sodium pyridinethione on the uptake and distribution of nickel, cadmium and zinc in pregnant and non-pregnant mice. Jasim S, et al. **Toxicology** 1986 Mar; 38(3):327–50
Zinc toxicity, copper deficiency and anaemia in swill-fed pigs. Pritchard GC, et al. **Vet Rec** 1985 Nov 23; 117(21):545–8
[Toxicologic aspect of zinc-induced changes in the liver] Ito A, et al. **Nippon Hoigaku Zasshi** 1985 Aug;39(4):326–30 (Eng. Abstr.) **(Jpn)**
[Experimental study of the toxicity of zinc nitrate and carbonate] Spiridonova VS, et al. **Gig Tr Prof Zabol** 1986 Mar;(3):50 **(Rus)**

URINE

Determination of zinc and copper in urine using Zeeman effect flame atomic absorption spectroscopy. Liska SK, et al. **Clin Chim Acta** 1985 Oct 15;151(3):231–6
Zinc in rheumatoid arthritis. Pandey SP, et al.
Indian J Med Res 1985 Jun;81:618–20
Urinary excretion of copper, magnesium and zinc after gastric resection. Harju E. **Rev Med Chir Soc Med Nat Iasi** 1985 Apr–Jun;89(2):279–81
[Urinary excretion of cadmium, copper and zinc in workers exposed to cadmium] Ohmori K, et al. **Sangyo Igaku** 1985 Jan;27(1):16–23 (Eng. Abstr.) **(Jpn)**

ZINC OXIDE see under **ZINC**

ZINC OXIDE-EUGENOL CEMENT

Effect of zinc oxide-eugenol on shear bond strengths of selected core/cement combinations. Dilts WE, et al.
J Prosthet Dent 1986 Feb;55(2):206–8
Effect of a temporary cementing agent on the retention of castings for composite resin cores. Gabryl RS, et al.
J Prosthet Dent 1985 Aug;54(2):183–7

PHARMACODYNAMICS

[Initial studies on the determination of activity of several enzymes of the dental pulp after application of a dentin filling] Meissner M, et al. **Zahn Mund Kieferheilkd** 1986; 74(1):52–3 **(Ger)**

TOXICITY

The influence of dentine on the in vitro cytotoxicity testing of dental restorative materials. Meryon SD.
J Biomed Mater Res 1984 Sep;18(7):771–9

ZINC PHOSPHATE CEMENT

Kinetic studies on zinc phosphate dental cement: measurement of the electric conductance of cement during setting. Wiegman-Ho L, et al. **J Dent** 1985 Sep; 13(3):237–43

ADVERSE EFFECTS

Marginal distortion of cast restorations induced by cementation. Moore JA, et al. **J Prosthet Dent** 1985 Sep; 54(3):336–40

ZINC RADIOISOTOPES

ADVERSE EFFECTS

Medical research and Auger cascades [letter] Cottrall MF. **Lancet** 1985 Oct 26;2(8461):942–3

DIAGNOSTIC USE

A new approach toward a pancreas-seeking zinc radiopharmaceutical. I. Accumulation of 65Zn-amino acid and aminopolycarboxylic acid complexes in pancreatic tissue slices. Fujibayashi Y, et al. **Eur J Nucl Med** 1986; 11(12):484–7
A new approach toward a pancreas-seeking zinc radiopharmaceutical. II. 62Zn-EDDA (ethylenediamine-N,N'-diacetic acid) for pancreas PCT imaging. Fujibayashi Y, et al. **Eur J Nucl Med** 1986; 11(12):488–93

METABOLISM

Chemical states of stable Zn and aging effect of 65Zn in the soil. Homma Y, et al. **J Radiat Res (Tokyo)** 1985 Sep; 26(3):330–3
Accumulation of 65Zn by octopus Octopus vulgaris. Ueda T, et al. **J Radiat Res (Tokyo)** 1985 Sep;26(3):313–20

ZINEB see under **THIOCARBAMATES**

ZIRAM see under **THIOCARBAMATES**

ZIRCONIUM

Adsorption of zirconyl salts and their acids on hydroxyapatite: use of the salts as coupling agents to dental polymer composites. Misra DN. **J Dent Res** 1985 Dec; 64(12):1405–8
Dialysis osteomalacia: a possible role for zirconium as well as aluminium. Ham KN, et al. **Pathology** 1985 Jul; 17(3):458–63
Investigation on the effect of incorporated radioactive and nonradioactive particles and their synergism by long-term animal studies—physicochemical and biokinetic properties of zirconium dioxide colloids. Dalheimer AR, et al.
Strahlentherapie [Sonderb] 1985;80:167–71
Lymphocyte doses and chromosome aberrations in Chinese hamsters after injection of thorotrast and zirconotrast. Heinze B, et al. **Strahlentherapie [Sonderb]** 1985;80:202–6
[The use of aquatic plants in the treatment of water pollution caused by chemical agents. Absorption of zirconium and cadmium] Ferrara L, et al. **Boll Soc Ital Biol Sper** 1985 Sep 30;61(9):1343–8 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

[Role of zirconium and citric acid complex in the development of asbestos-induced pleural blastoma] Pylev LN, et al. **Gig Tr Prof Zabol** 1985 Oct;(10):53–5 **(Rus)**

ANALYSIS

Radiation protection aspects of the use of zircon sand. National Group for Studying Radiological Implications in the Use of Zircon Sand. **Sci Total Environ** 1985 Oct; 45:135–42

PHARMACODYNAMICS

[Effect of titanium phosphate, zirconium oxide and a mixture of ammonium phosphotungstenate with zirconium phosphate on the elimination of radioactive cesium from the bodies of rats] Majle T, et al.
Rocz Panstw Zakl Hig 1985;36(5):395–9 (Eng. Abstr.) **(Pol)**

TOXICITY

Mitogenic effects of beryllium and zirconium salts on mouse splenocytes in vitro. Price RJ, et al. **Toxicol Lett** 1986 Jan; 30(1):89–95
Zirconium does not produce osteomalacia in rats with chronic renal failure. Rodriguez M, et al.
Trans Am Soc Artif Intern Organs 1985;31:655–9

ZOLAZEPAM see under **AZEPINES**

ZOLIMIDINE see under **PYRIDINES**

ZOLLINGER-ELLISON SYNDROME

see related
NEOPLASMS, MULTIPLE ENDOCRINE

The Zollinger-Ellison syndrome: a review of the St Vincent's Hospital, Melbourne experience. Vellar D, et al.
Aust NZ J Surg 1985 Oct;55(5):455–62
The Zollinger-Ellison syndrome. A case report. du Toit DF, et al. **S Afr Med J** 1985 Oct 12;68(8):607–8
Gastrinoma. Townsend CM Jr, et al.
Surg Clin North Am 1986 Aug;66(4):695–712

ANALYSIS

Identification of progastrin in gastrinomas, antrum, and duodenum by a novel radioimmunoassay. Pauwels S, et al. **J Clin Invest** 1986 Feb;77(2):376–81

BLOOD

Evaluation of NH2-terminus gastrins in gastrinoma syndrome. Kothary PC, et al. **J Clin Endocrinol Metab** 1986 May;62(5):970–4

COMPLICATIONS

Menetrier's disease complicated by development of the Zollinger-Ellison syndrome. Fegan C, et al. **Br J Surg** 1985 Nov;72(11):929–30
Cushing's syndrome in patients with the Zollinger-Ellison syndrome. Maton PN, et al. **N Engl J Med** 1986 Jul 3; 315(1):1–5
[Unusual abdominal apudomas. 1. Cushing syndrome in association with Zollinger-Ellison syndrome in an endocrine pancreas tumor] Gottschalk J, et al.
Zentralbl Allg Pathol 1985;130(5):369–74 (Eng. Abstr.) **(Ger)**
[A case of multiple endocrine neoplasia type 1 with growth hormone and prolactin secreting pituitary adenoma, functioning large parathyroid cyst, and Zollinger-Ellison syndrome] Kinoshita Y, et al.
Nippon Naika Gakkai Zasshi 1986 Apr;75(4):512–21 **(Jpn)**
[Primary carcinoid tumor of the liver with the Zollinger-Ellison syndrome] Zemlianol AG, et al.
Vestn Khir 1986 May;136(5):73–4 **(Rus)**

DIAGNOSIS

Decision analysis in evaluation of hypergastrinemia. Spindel E, et al. **Am J Med** 1986 Jan;80(1):11–7
Gastrin secreting tumor of the stomach. Kolandaivelu G, et al. **Indian Pediatr** 1985 May;22(5):392–3
False-positive gastrin rises after secretin injection [letter] Brady CE 3d, et al. **J Lab Clin Med** 1985 Oct;106(4):461–2
The Zollinger-Ellison syndrome—diagnosis and management. Mee AS. **S Afr Med J** 1985 Sep 28; 68(7):499–501
A comparative evaluation of secretin bolus and secretin infusion as secretin provocation tests in the Zollinger-Ellison syndrome. Mignon M, et al.
Scand J Gastroenterol 1985 Sep;20(7):791–7
Endocrine tumors of the pancreas and their clinical syndromes. Kaplan EL, et al. **Surg Annu** 1986;18:181–223 (86 ref.)
[Diagnosis and therapy of the most frequent APUDomas. Insulinoma, gastrinoma and C cell carcinoma of the thyroid gland] Heinemann M, et al. **Fortschr Med** 1986 Apr 17; 104(15):307–9 (Eng. Abstr.) **(Ger)**
[Selective arterial secretin injection test for localization of gastrinoma] Imamura M, et al.
Nippon Geka Gakkai Zasshi 1986 Jun;87(6):671–9 (Eng. Abstr.) **(Jpn)**
[A case of Zollinger-Ellison syndrome with multiple organ involvement (the pancreas and gastric and duodenal mucosa)] Bobrzyński A, et al. **Patol Pol** 1985 Oct–Dec; 36(4):380–6 (Eng. Abstr.) **(Pol)**
[Problems in the diagnosis of tumors of the pancreas] Tareev EM, et al. **Sov Med** 1985;(5):100–6 **(Rus)**

DRUG THERAPY

Treatment of acid-peptic diseases by inhibition of gastric H+,K+-ATPase. McArthur KE, et al. **Annu Rev Med** 1986;37:97–105
Effectiveness of omeprazole in seven patients with Zollinger-Ellison syndrome resistant to histamine H2-receptor antagonists. Delchier JC, et al.
Dig Dis Sci 1986 Jul;31(7):693–9
Omeprazole. A preliminary review of its pharmacodynamic and pharmacokinetic properties, and therapeutic potential in peptic ulcer disease and Zollinger-Ellison syndrome. Clissold SP, et al. **Drugs** 1986 Jul;32(1):15–47 (177 ref.)
Development of cimetidine resistance in the Zollinger-Ellison syndrome. Andersen BN, et al. **Gut** 1985 Nov;26(11):1263–5
Prolonged treatment of Zollinger-Ellison syndrome by long-acting somatostatin [letter] Bonfils S, et al. **Lancet** 1986 Mar 8;1(8480):554–5
Regression of liver metastases in patient with gastrin-secreting tumour treated with SMS 201-995 [letter] Shepherd JJ, et al. **Lancet** 1986 Sep 6;2(8506):574
Omeprazole in the Zollinger-Ellison syndrome. Bardram L, et al. **Scand J Gastroenterol** 1986 Apr;21(3):374–8
Present experiences with omeprazole in the Zollinger-Ellison syndrome. Lamers CB. **Scand J Gastroenterol [Suppl]** 1986; 118:123–8
Observations on the effect of a somatostatin analog in the Zollinger-Ellison syndrome: implications for the treatment of apudomas. Ellison EC, et al. **Surgery** 1986 Aug; 100(2):437–44
[Zollinger-Ellison syndrome: long-term treatment with ranitidine] Mony M, et al. **Union Med Can** 1986 Mar; 115(3):145–50 (Eng. Abstr.) **(Fre)**
[Omeprazole—a drug-blocking proton pump of the parietal cells of the stomach] Sosnowski M. **Pol Tyg Lek** 1985 Dec 23–30;40(51–52):1469–72 (43 ref.) **(Pol)**

FAMILIAL & GENETIC

[A family with multiple endocrine neoplasia type I presenting prolactinoma, Zollinger-Ellison syndrome and hyperparathyroidism] Maru Y, et al.
Nippon Naibunpi Gakkai Zasshi 1985 Sep 20;61(9):872–81 (Eng. Abstr.) **(Jpn)**

HISTORY

[Priority of Russian scientists in the description of ulcerogenic tumors of the pancreas] Nechal AI, et al.
Vestn Khir 1985 Aug;135(8):140–1 **(Rus)**

METABOLISM

Pancreatic polypeptide and Zollinger-Ellison syndrome [letter] Meryn S, et al. **Dig Dis Sci** 1985 Nov;30(11):1113
Gastrin release from dispersed gastrinoma cells: effects of calcium and calcium ionophore (A23187). Woltering EA, et al. **J Surg Res** 1985 Oct;39(4):331–7

PATHOLOGY

Malignant Zollinger-Ellison syndrome: remission of primary and metastatic pancreatic tumor after gastrectomy: report of a case and review of the literature. Morowitz DA, et al. **Am J Gastroenterol** 1986 Jun;81(6):471–3
Ectopic gastrinoma and Zollinger-Ellison syndrome. Bhagavan BS, et al. **Hum Pathol** 1986 Jun;17(6):584–92
The endocrine cells of the gastrointestinal tract. Tumors. Part II. Lewin KJ, et al. **Pathol Annu** 1986;21 Pt 2:181–215 (143 ref.)
[Case of the Zollinger-Ellison syndrome with hyperplasia of the G-cells of the gastric mucosa] Evdokimov VG, et al. **Klin Med (Mosk)** 1985 Nov;63(11):118–20 **(Rus)**

PHYSIOPATHOLOGY

Modulation of functional gastrointestinal endocrine tumors by endogenous and exogenous somatostatin. Ellison EC, et al. **Am J Surg** 1986 Jan;151(6):668–75
Dr. Robert Zollinger and gastrinomas: cases in point. Passaro

E Jr. **Am J Surg** 1986 Jun;151(6):712–5
Somatostatin-like peptides alter calcium but not secretin sensitivity of gastrinoma cells. Woltering EA, et al. **J Surg Res** 1986 Jun;40(6):605–10

RADIOGRAPHY

[A case of Zollinger-Ellison syndrome] Wakabayashi H, et al. **Risuho Hoshasen** 1985 Aug;30(8):925–8 (Eng. Abstr.) **(Jpn)**

SECRETION

Metastatic pancreatic islet cell carcinoma causing manifestations of glucagon and gastrin hypersecretion. Ferrara JJ, et al. **Conn Med** 1985 Dec;49(12):777–80
[Hormone immunocytochemical studies of 46 endocrine tumors of the pancreas in 24 patients] Le Bodic MF, et al. **Gastroenterol Clin Biol** 1986 Apr;10(4):334–40 (Eng. Abstr.) **(Fre)**

SURGERY

Aggressive resection of metastatic disease in selected patients with malignant gastrinoma. Norton JA, et al. **Ann Surg** 1986 Apr;203(4):352–9
Is total gastrectomy still acceptable in the treatment of the Zollinger-Ellison syndrome? Brennan MF, et al. **Langenbecks Arch Chir** 1986;367(3):215–21
Removal of mesenteric gastrinoma: a case report. Miyata M, et al. **Surgery** 1986 Feb;99(2):245–8
Extrapancreatic gastrinomas. Thompson NW, et al. **Surgery** 1985 Dec;98(6):1113–20
[The present state of treatment of Zollinger-Ellison syndrome] Mašurka V. **Rozhl Chir** 1986 Feb;65(2):69–74 (Eng. Abstr.) **(Cze)**
[Problems of esophagojejunal anastomosis following gastrectomy] Schwab G, et al. **Langenbecks Arch Chir** 1985; 365(2):101–7 (Eng. Abstr.) **(Ger)**
[Diagnostic and therapeutic problems in Zollinger-Ellison syndrome] Baltás B, et al. **Zentralbl Chir** 1986;111(4):224–32 **(Ger)**
[Anesthetic management of multiple endocrine neoplasia type 1] Hirabayashi Y, et al. **Masui** 1986 Apr;35(4):648–53 (Eng. Abstr.) **(Jpn)**

THERAPY

Current management of Zollinger-Ellison syndrome. Jensen RT, et al. **Drugs** 1986 Aug;32(2):188–96
Current approach to the management of tumoral process in patients with gastrinoma. Mignon M, et al. **World J Surg** 1986 Aug;10(4):703–10
[From the target to the origin. Apropos of the treatment of Zollinger-Ellison syndrome] Mignon M. **Acta Gastroenterol Belg** 1985 Nov-Dec;48(6):569–75 **(Fre)**

ULTRASTRUCTURE

Light and electron microscope localization of G-17- and G-34-like immunoreactivities of human gastrinomas. Berger G, et al. **Ultrastruct Pathol** 1985;8(4):305–18

ZONA see **HERPES ZOSTER**

ZONA PELLUCIDA see under **OVUM**

ZONOGRAPHY see **TOMOGRAPHY, X-RAY**

ZOOFLAGELLATA see **MASTIGOPHORA**

ZOOLOGY

see related
ANIMALS

Weil's syndrome in a zoologist. Looke DF. **Med J Aust** 1986 May 26;144(11):597, 600–1
The stability of zoological nomenclature [letter] Tubbs PK. **Nature** 1986 May 29–Jun 4;321(6069):476

ZOOMASTIGINA see **MASTIGOPHORA**

ZOONOSES

Epidemiological aspects of human/animal interrelationship in GBS. Jensen NE. **Antibiot Chemother** 1985;35:40–8
Zoonotic disease of occupational significance in agriculture: a review. Donham KJ. **Int J Zoonoses** 1985 Sep; 12(3):163–91 (23 ref.)
The zoonoses. Steele JH. **Int J Zoonoses** 1985 Jun;12(2):87–97
Current status of human dirofilariasis in Japan. Yoshimura H, et al. **Int J Zoonoses** 1985 Mar;12(1):53–60
Pork producers' points of view on residues and certain zoonoses. Meisinger D, et al. **J Am Vet Med Assoc** 1986 Jan 15;188(2):134–6
Primates as a source of Entamoeba histolytica, their zymodeme status and zoonotic potential. Smith JM, et al. **J Parasitol** 1985 Dec;71(6):751–6
Pet-associated illness [letter] **N Engl J Med** 1986 Apr 17; 314(16):1046–8
Pet-associated illness. Elliot DL, et al. **N Engl J Med** 1985 Oct 17;313(16):985–95 (164 ref.)
Pregnant women and chlamydia infection [letter] Eddy RG, et al. **Vet Rec** 1986 May 3;118(18):519
Zoonotic potential of chlamydial infections [letter] Evermann JF. **Vet Rec** 1986 Jun 21;118(25):707
Ringworm outbreak [letter] Pepin GA, et al. **Vet Rec** 1986 Apr 12;118(15):434–5
[Breeding of exotic birds as a potential source of cryptococcosis] Otčenášek M, et al. **Cesk Epidemiol Mikrobiol Imunol** 1985 Nov;34(6):342–5 (Eng. Abstr.) **(Cze)**
[Botulism] Notermans SH, et al. **Tijdschr Diergeneeskd** 1986 Jul 1;111(13):634–8 (Eng. Abstr.) **(Dut)**
[Occupational dermatomycoses of zoophilic origin in Bulgaria] Balabanoff VA. **Derm Beruf Umwelt** 1985; 33(5):170–4 (Eng. Abstr.) **(Ger)**
[Sero- and immunodiagnosis in parapoxvirus infections in the human. Milker's nodes, ecthyma contagiosum contact infection] Hartmann AA, et al. **Hautarzt** 1985 Dec; 36(12):663–9 (Eng. Abstr.) **(Ger)**
[Veterinary public health] **Ann Ist Super Sanita** 1984; 20(4):245–399 **(Ita)**
[Brucella canis, Campylobacter jejuni and DF-2 (diagonic fermenter type-2): technical diagnostic profile of emerging canine disease entities of a zoonotic nature] Ciuchini F, et al. **Ann Ist Super Sanita** 1984;20(4):297–305 (Eng. Abstr.) **(Ita)**
[Economic significance of zoonotic cutaneous leishmaniasis in the Uzbek S.S.R.] Zhakhangirov ShM, et al. **Med Parazitol (Mosk)** 1985 Jul-Aug;(4):44–8 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

A review of the sheep–multiple sclerosis connection. Murrell TG, et al. **Med Hypotheses** 1986 Jan;19(1):27–39

ETIOLOGY

Pregnant women and chlamydia infection [letter] Vivian M. **Vet Rec** 1986 May 31;118(22):619

MICROBIOLOGY

Human exposure to bovine polyomavirus: a zoonosis? Parry JV, et al. **Arch Virol** 1986;87(3–4):287–96
Potential danger to pregnant women of Chlamydia psittaci from sheep. Buxton D. **Vet Rec** 1986 May 3;118(18):510–1
[Inactivation of the agents of anthroponotic and zoonotic trichophytosis by polymorphonuclear leukocytes] Medvedev IuA, et al. **Vestn Dermatol Venerol** 1985 Oct; (10):72–4 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Pet associated illness in Ireland: a review. Hone R. **Ir Med J** 1986 Jul;79(7):176–9 (29 ref.)
Ringworm outbreak [letter] Scott WA. **Vet Rec** 1986 Mar 22;118(12):342
[Brucellosis and other zoonoses—1983] Anusz Z. **Przegl Epidemiol** 1985;39(1):157–65 (Eng. Abstr.) **(Pol)**
[Delineation of natural foci of zoonotic cutaneous leishmaniasis: the foundation of a method] Bokshtein FM. **Med Parazitol (Mosk)** 1986 Mar-Apr;(2):61–6 (Eng. Abstr.) **(Rus)**
[Zoonotic cutaneous leishmaniasis in the Uzbek SSR and its prevention] Sharipov MK, et al. **Med Parazitol (Mosk)** 1986 Jan-Feb;(1):39–45 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

The problem of human geohelminthoses and the prospects for their biological control. Lýsek H. **Acta Univ Palacki Olomuc Fac Med** 1982;103:315–29

PREVENTION & CONTROL

[Basic health service in the control of zoonoses in the Mediterranean area] Bertolaso G, et al. **Ann Ist Super Sanita** 1984;20(4):261–4 (Eng. Abstr.) **(Ita)**
[Role of basic health care in the control of occupational risks related to laboratory animals] Biocca M, et al. **Ann Ist Super Sanita** 1984;20(4):373–6 (Eng. Abstr.) **(Ita)**
[Evaluation of the effectiveness of the unregulated use of deet repellent for preventing zoonotic cutaneous leishmaniasis] Sabitov EA. **Med Parazitol (Mosk)** 1985 Sep-Oct;(5):74–8 (Eng. Abstr.) **(Rus)**

TRANSMISSION

Common skin conditions in humans and animals. Webster SB, et al. **Am Fam Physician** 1986 Apr;33(4):177–82
Birds and human diseases. Barraclough B. **Aust Fam Physician** 1986 May;15(5):586–90
Some epidemiological aspects of animal scabies in human population. Chakrabarti A. **Int J Zoonoses** 1985 Mar; 12(1):39–52
Toxoplasmosis. Dubey JP. **J Am Vet Med Assoc** 1986 Jul 15;189(2):166–70 (57 ref.)
Isolation of Salmonella in a public marine aquarium. Sasaki DM, et al. **J Am Vet Med Assoc** 1985 Dec 1;187(11):1221–2
Survey of raccoon hunters for rabies antibody titers: pilot study. Black D, et al. **J Fla Med Assoc** 1986 Jul; 73(7):517–20
Is rodent virus contamination of monoclonal antibody preparations for use in human therapy a hazard? Carthew P. **J Gen Virol** 1986 Jun;67 (Pt 6):963–74 (105 ref.)
The role of animals in the dissemination of parasitic helminths in Nigeria. Okaeme AN. **J R Soc Health** 1986 Feb; 106(1):20–2
Cowpox from cat to man [letter] Pether JV, et al. **Lancet** 1986 Jan 4;1(8471):38–9
Unilocular hydatid disease in Arkansas [letter] Narain JP, et al. **South Med J** 1986 Jun;79(6):781–2
Zoonoses: getting priorities right. **Vet Rec** 1985 Nov 16; 117(20):512–4
Zoonotic dermatophytosis (ringworm) [letter] Pepin GA, et al. **Vet Rec** 1986 Jan 25;118(4):110–1
Presence of zoonotic pathogens (Yersinia spp., Campylobacter jejuni, Salmonella spp., and Leptospira spp.) simultaneously in dogs and cats. Fukushima H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Dec; 181(3–5):430–40
Isolation and identification of a poxvirus from a domestic cat and a human contact case. Egberink HF, et al. **Zentralbl Veterinarmed [B]** 1986 Apr;33(3):237–40
[Danger to the human caused by animal poxvirus following discontinuation of mandatory vaccination against smallpox] Mayr A. **Hautarzt** 1985 Sep;36(9):493–5 (Eng. Abstr.) **(Ger)**
[Infection risk in animal production facilities] Wolff F. **Z Gesamte Hyg** 1985 Oct;31(10):558–60 (Eng. Abstr.) **(Ger)**
[Public health problems related to stray and wild dogs] Biocca M, et al. **Ann Ist Super Sanita** 1984;20(4):275–86 (Eng. Abstr.) **(Ita)**
[The role of animals in central nervous system diseases in man] Ferrante P, et al. **Ann Ist Super Sanita** 1984; 20(4):387–99 (103 ref.) (Eng. Abstr.) **(Ita)**
[Health problems associated with pets] Mantovani A, et al. **Ann Ist Super Sanita** 1984;20(4):247–55 (Eng. Abstr.) **(Ita)**
[Theory of the general epidemiology of parasitoses and zoonoses. 3. The role of the parasitized human being as a source of infestation] Lysenko AIa. **Med Parazitol (Mosk)** 1986 Mar-Apr;(2):7–11 (Eng. Abstr.) **(Rus)**
[Epidemiologic characteristics of anthropozoonoses] Sokić S. **Srp Arh Celok Lek** 1985 Jan;113(1):103–4 **(Scc)**

ZOOPHAGINAE see **VERTEBRATE VIRUSES**

ZOOPLANKTON see under **PLANKTON**

ZOSTER see **HERPES ZOSTER**

ZOXAZOLAMINE

METABOLISM

Dose-dependent pharmacokinetics of zoxazolamine in the rat. Van der Graaff M, et al. **Drug Metab Dispos** 1986 May-Jun;14(3):331–5

ZYGOMA

Gliosarcoma with cranial penetration and extension to the maxillary sinus. Murphy MN, et al. **J Otolaryngol** 1985 Oct;14(5):313–6
[Limitation of the mandibular movement due to bilateral thickening of the coronary processes and the malar bones from generalized osteopetrosis] Politi M, et al. **Minerva Stomatol** 1986 Jan-Feb;35(1–2):15–21 (Eng. Abstr.) **(Ita)**
[Method for the surgical correction of a recurrent nasopharyngeal fibroma invading the zygomatic fossa] Marin I, et al. **Rev Chir [Otorinolaringol]** 1985 Oct-Dec; 30(4):275–80 (Eng. Abstr.) **(Rum)**
[Characteristics of the topical diagnosis of foreign bodies in the infratemporal fossa and temporal area] Gun'ko VI, et al. **Stomatologiia (Mosk)** 1985 Jul-Aug;64(4):46–7 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Surgical treatment of congenital fronto-orbitomalar asymmetries. Montandon D, et al. **Z Kinderchir** 1986 Jun; 41(3):151–5
[Anatomico-clinical features of malar bone hypoplasia in cleidocranial dysostosis. 2 familial cases with interruption of the zygomatic arch] Pastremoli A, et al. **Minerva Stomatol** 1986 Jun;35(6):575–82 (Eng. Abstr.) **(Ita)**

GROWTH & DEVELOPMENT

Growth of bizygomatic diameter in Punjabi infants. Bhalla AK, et al. **Indian Pediatr** 1985 Jan;22(1):7–12

INJURIES

Attempt at systematization in the treatment of isolated fractures of the zygomatic bone: techniques and results. Champy M, et al. **J Otolaryngol** 1986 Feb;15(1):39–43

PATHOLOGY

Haemangioma of the zygoma presenting as a tumour in the maxillary sinus. Har-El G, et al. **J Maxillofac Surg** 1986 Jun;14(3):161–4
Chondrosarcoma arising from the zygomatic arch. Cook HE. **J Oral Maxillofac Surg** 1986 Jan;44(1):67–9

RADIOGRAPHY

[Pitfalls by radiological diagnosis of zygoma] Nakamura M, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1985 Jun;88(6):771–5 (Eng. Abstr.) (Jpn)

SURGERY

Zygomatic augmentation with hydroxylapatite: a preliminary report. Waite PD, et al. **J Oral Maxillofac Surg** 1986 May; 44(5):349–52

[Value of the mobilization of the orbito-zygomatico-malar flap] Lescin F, et al. **Neurochirurgie** 1986;32(1):90–3 (Eng. Abstr.) (Fre)

[New method of reducing the zygomatic bone and zygomatic arch by an intraoral approach] Aleksandrov NM, et al. **Voen Med Zh** 1986 Mar;(3):55–6 (Rus)

ZYGOMATIC FRACTURES

CLASSIFICATION

Zygomatic fractures: classification and complications. Kristensen S, et al. **Clin Otolaryngol** 1986 Jun;11(3):123–9

COMPLICATIONS

Blindness following fracture of the zygomatic bone. Wood GD. **Br J Oral Maxillofac Surg** 1986 Feb;24(1):12–6

Monocular blindness secondary to a non-displaced malar fracture. Bernard A, et al. **Int J Oral Maxillofac Surg** 1986 Apr;15(2):206–8

DIAGNOSIS

Fracture of the zygomatic complex—an unusual presentation. Price JD, et al. **Br J Oral Maxillofac Surg** 1986 Jun; 24(3):221–4

RADIOGRAPHY

Fractured malar. Gibbs P. **Aust Fam Physician** 1985 Aug; 14(8):770, 772

SURGERY

A simple rapid method of fixation of unstable zygomatic fractures. Cleland H, et al. **Aust NZ J Surg** 1985 Dec; 55(6):607–9

A splint for the unstable zygomatic arch fracture. Jones GM, et al. **Br J Oral Maxillofac Surg** 1986 Aug;24(4):269–71

Fractures of the zygomatic complex. Chuong R, et al. **J Oral Maxillofac Surg** 1986 Apr;44(4):283–8

Simple technique for stabilizing depressed zygomatic arch fractures. Goldsmith MM 3d, et al. **Laryngoscope** 1986 Mar; 96(3):325–6

[Zygomatic fractures] Tveterås K, et al. **Ugeskr Laeger** 1986 Jun 9;148(24):1457–60 (Eng. Abstr.) (Dan)

[Isolated fractures of the zygomatic arch] Richter WC. **Laryngol Rhinol Otol (Stuttg)** 1985 Oct;64(10):548–9 (Ger)

[Fractures of the zygomatic complex. A follow-up of 53 patients] Donati L, et al. **Minerva Stomatol** 1986 Jan–Feb; 35(1–2):79–84 (Eng. Abstr.) (Ita)

[Experience in fixing zygomatic fractures with an inflatable balloon] Kurashev AG, et al. **Stomatologiia (Mosk)** 1985 Sep–Oct;64(5):43–4 (Eng. Abstr.) (Rus)

VETERINARY

Periorbital skull fractures in five horses. Caron JP, et al. **J Am Vet Med Assoc** 1986 Feb 1;188(3):280–4

ZYGOMYCOTINA

Equine subcutaneous zygomycosis in Costa Rica. Mendoza L, et al. **Mykosen** 1985 Nov;28(11):545–9

CLASSIFICATION

Comparative antigenic studies of species of Basidiobolus and other medically important fungi. Yangco BG, et al. **J Clin Microbiol** 1986 Apr;23(4):679–82

[New find of the entomopathogenic fungus Simuliomyces lairdii (Entomophthorales) in the Altai] Nam FA. **Med Parazitol (Mosk)** 1986 Jan–Feb;(1):83–4 (Eng. Abstr.) (Rus)

ZYGOTE

Fertilized and unfertilized ova are transported at different rates by the hamster oviduct. Ortiz ME, et al. **Biol Reprod** 1986 May;34(4):777–81

ANALYSIS

Differences of proteins in isolated egg surface after fertilization of Xenopus laevis. Miyata S, et al. **Cell Biol Int Rep** 1985 Dec;9(12):1075–90

An oviductal fluid glycoprotein associated with ovulated mouse ova and early embryos. Kapur RP, et al. **Dev Biol** 1985 Nov;112(1):89–93

Characterization of water in unfertilized and fertilized sea urchin eggs. Merta PJ, et al. **J Cell Physiol** 1986 Jun; 127(3):439–47

The fate of DNA originally existing in the zygote nucleus during achromosomal cleavage of fertilized echinoderm eggs in the presence of aphidicolin: microscopic studies with anti-DNA antibody. Yamada H, et al. **J Cell Physiol** 1985 Jul;124(1):9–12

CYTOLOGY

Effect of serum on cell-to-cell associations during in vitro development of preimplantation mouse embryos. Morgan KS, et al. **Dev Biol** 1986 Jul;116(1):252–5

Identification of a paternal developmental effect on the cytoplasm of one-cell-stage mouse embryos. Renard JP, et al. **Proc Natl Acad Sci USA** 1986 Sep;83(18):6883–6

Computer assisted microscope interferometry by image analysis of living cells. Bereiter-Hahn J. **Prog Clin Biol Res** 1985;196:27–44

[In vitro study of the fusion products and cell hybrids of mouse oocytes, zygotes and blastomeres] Sekirina GG. **Ontogenez** 1985 Nov–Dec;16(6):583–8 (Eng. Abstr.) (Rus)

DRUG EFFECTS

[In vitro culture of mouse embryos for toxicological evaluation. (3): Effect of carcinogens on development of the embryos] Kamata K, et al. **Nippon Yakurigaku Zasshi** 1986 Apr;87(4):479–85 (Eng. Abstr.) (Jpn)

ENZYMOLOGY

Quantitation of a src-like tyrosine protein kinase during fertilization of the sea urchin egg. Kamel C, et al. **Biochem Biophys Res Commun** 1986 Jul 16;138(1):349–55

Evidence for a change in molecular for of DNA ligase in early development of the sea urchin Psammechinus miliaris. Signoret J, et al. **Dev Biol** 1986 Jul;116(1):8–14

IMMUNOLOGY

Complement effects on the infectivity of Plasmodium gallinaceum to Aedes aegypti mosquitoes. I. Resistance of zygotes to the alternative pathway of complement. Grotendorst CA, et al. **J Immunol** 1986 Jun 1; 136(11):4270–6

METABOLISM

Injected mRNA does not increase protein synthesis in unfertilized, fertilized, or ammonia-activated sea urchin eggs. Colin AM, et al. **Dev Biol** 1986 May;115(1):184–92

Stage-specific insulin binding in mouse preimplantation embryos. Rosenblum IY, et al. **Dev Biol** 1986 Jul; 116(1):261–3

The distribution of polymerized actin in the rat egg and its sensitivity to cytochalasin B during fertilization. Battaglia DE, et al. **J Exp Zool** 1986 Jan;237(1):97–105

Ionic currents through the cleaving egg of Lymnaea stagnalis (Mollusca, Gastropoda, Pulmonata). Dohmen MR, et al. **Prog Clin Biol Res** 1986;210:181–7

A direct comparison of the extracellular currents observed in the activating frog egg with the vibrating probe and patch clamp techniques. Kline D. **Prog Clin Biol Res** 1986; 210:189–96

PHYSIOLOGY

Microtubules in mouse oocytes, zygotes, and embryos during fertilization and early development: unusual configurations and arrest of mammalian fertilization with microtubule inhibitors. Schatten G, et al. **Ann NY Acad Sci** 1986; 466:945–8

Fertilization of the human egg and growth of the human zygote in vitro: the Singapore experience. Ng SC, et al. **Asia Oceania J Obstet Gynaecol** 1985 Dec;11(4):533–7

Nuclear transplantation in mouse embryos: assessment of recipient cell stage. Robl JM, et al. **Biol Reprod** 1986 May; 34(4):733–9

Zygotically active genes that affect the spatial expression of the fushi tarazu segmentation gene during early Drosophila embryogenesis. Carroll SB, et al. **Cell** 1986 Apr 11;45(1):113–26

Interactions between metaphase and interphase factors in heterokaryons produced by fusion of mouse oocytes and zygotes. Balakier H, et al. **Dev Biol** 1986 Sep;117(1):102–8

High-frequency twinning of Xenopus laevis embryos from eggs centrifuged before first cleavage. Black SD, et al. **Dev Biol** 1986 Jul;116(1):228–40

Two loci required for cytoplasmic organization in early embryos of Caenorhabditis elegans. Kemphues KJ, et al. **Dev Biol** 1986 Feb;113(2):449–60

The zygotic mutant tailless affects the anterior and posterior ectodermal regions of the Drosophila embryo. Strecker TR, et al. **Dev Biol** 1986 Jan;113(1):64–76

Kinematics of gray crescent formation in Xenopus eggs: the displacement of subcortical cytoplasm relative to the egg surface. Vincent JP, et al. **Dev Biol** 1986 Feb; 113(2):484–500

Developmental regulation of a gastrula-specific gene injected into fertilized Xenopus eggs. Krieg PA, et al. **EMBO J** 1985 Dec 16;4(13A):3463–71

Membrane potential measurements of unfertilized and fertilized Xenopus laevis eggs are affected by damage caused by the electrode. Peres A, et al. **Exp Cell Res** 1986 Jan;162(1):159–68

Two phases of inositol polyphosphate and diacylglycerol production at fertilisation. Ciapa B, et al. **FEBS Lett** 1986 Jan 20;195(1–2):347–51

Cryopreservation does not affect future of human fertilised eggs [letter] Testart J, et al. **Lancet** 1986 Sep 6;2(8506):569

RADIATION EFFECTS

Effect of microwave irradiation (2.45 GHz, CW) on egg weight loss, egg hatchability, and hatchling growth of the Coturnix quail. Byman D, et al. **Bioelectromagnetics** 1985; 6(3):271–82

Effects of heat, release from hypoxia, cadmium and arsenite on radiation sensitivity of primordial germ cells in the fish Oryzias latipes. Shimada Y, et al. **J Radiat Res (Tokyo)** 1985 Dec;26(4):411–7

TRANSPLANTATION

In-vivo fertilised ovum donated successfully to a woman without ovaries [letter] Formigli L, et al. **Lancet** 1986 Mar 29;1(8483):747

[Embryo transplantation or zygote transfer?] Kovachev K. **Vet Med Nauki** 1985;22(10):75–8 (12 ref.) (Bul)

ULTRASTRUCTURE

Differentiation without cleavage: multiple cytospecific ultrastructural expressions in individual one-celled ascidian embryos. Crowther RJ, et al. **Dev Biol** 1985 Sep; 117(1):114–26

A marker of animal-vegetal polarity in the egg of the sea urchin Paracentrotus lividus. The pigment band. Sardet C, et al. **Exp Cell Res** 1985 Sep;160(1):73–82

The pronuclei of bovine ova fertilized in vitro. King WA, et al. **Hereditas** 1985;102(2):293–6

[Genetic transformation of animals by the insertion of foreign genes into the zygotes] Serov OL. **Ontogenez** 1985 Nov–Dec;16(6):553–67 (36 ref.) (Eng. Abstr.) (Rus)

ZYMOSAN

DIAGNOSTIC USE

Evaluation of zymosan-induced complement activation by CH50 test. Ceroni M, et al. **Farmaco [Prat]** 1986 Apr; 41(4):147–54

IMMUNOLOGY

Electrophoretic and serological analysis of mouse and rabbit antisera to zymosan or inulin treated with foetal lamb serum. Jonas W, et al. **Arch Immunol Ther Exp (Warsz)** 1985;33(4):609–15

Eosinophil-mediated cellular cytotoxicity induced by zymosan-activated serum. De Simone C, et al. **Immunol Lett** 1986 Jan;12(1):37–41

Activation of human polymorphonuclear leucocytes by particulate zymosan is related to both its major carbohydrate components: glucan and mannan. Williams JD, et al. **Immunology** 1986 May;58(1):117–24

Phagocytosis of unopsonized zymosan by human monocyte-derived macrophages: maturation and inhibition by mannan. Speert DP, et al. **J Leukocyte Biol** 1985 Nov; 38(5):655–8

METABOLISM

Effect of divalent metal ions and pH upon the binding reactivity of human serum amyloid P component, a C-reactive protein homologue, for zymosan. Preferential reactivity in the presence of copper and acidic pH. Potempa LA, et al. **J Biol Chem** 1985 Oct 5;260(22):12142–7

Effect of age-dependent enzymatic degradation of zymosan into oligosaccharides during incubation with serum on its opsonization by complement. Everaerts MC, et al. **Pediatr Res** 1985 Dec;19(12):1293–7

Defective modulation of complement in Crohn's disease. C3b opsonization of zymosan by the alternative pathway. Simonsen T, et al. **Scand J Gastroenterol** 1985 Sep; 20(7):883–6

PHARMACODYNAMICS

Intracellular Ca2+ requirements for zymosan-stimulated phosphoinositide hydrolysis in mouse peritoneal macrophages. Moscat J, et al. **Biochem Biophys Res Commun** 1986 Jan 14;134(1):367–71

Evidence for a catalytic role of phospholipase A in phorbol diester- and zymosan-induced mobilization of arachidonic acid in mouse peritoneal macrophages. Emilsson A, et al. **Biochim Biophys Acta** 1986 May 21;876(3):533–42

Relative degradation of different arachidonoyl molecular species of choline glycerophospholipids in opsonized zymosan-stimulated rabbit alveolar macrophages. Nakagawa Y, et al. **Biochim Biophys Acta** 1986 May 21; 876(3):601–10

Graded responses of human neutrophils induced by serum-treated zymosan. Whitin JC, et al. **Blood** 1985 Nov; 66(5):1182–8

Exclusive leukotriene C4 synthesis by purified human eosinophils induced by opsonized zymosan. Bruynzeel PL, et al. **FEBS Lett** 1985 Sep 23;189(2):350–4

The different response of guinea pig peritoneal macrophages to various stimulators. Tanaka M, et al. **Gen Pharmacol** 1985;16(4):383–6

Zymosan enhances leukotriene D4 metabolism by porcine alveolar macrophages. Paterson NA, et al. **Immunology** 1985 Sep;56(1):153–9

A comparison of the oxidative reactions of neutrophils from a variety of species when stimulated by opsonized zymosan and F-met-leu-phe. Young S, et al. **J Comp Pathol** 1986 Mar;96(2):189-96

59Fe release from alveolar macrophages ingested 59Fe-iron dextran--enhancement by combination of Ca-DTPA and macrophage activating substances. Sato H, et al. **J Radiat Res (Tokyo)** 1986 Mar;27(1):105-11

Species variability in the cardiovascular and hematologic effects of zymosan-activated plasma infusion. Casey LC, et al. **J Surg Res** 1986 Mar;40(3):202-9

Reactive-oxygen formation and its relationship to prostaglandin and cyclic AMP production by zymosan-treated rat peritoneal macrophages. Lim LK, et al. **Mol Immunol** 1985 Dec;22(12):1365-70

Bacterial lipopolysaccharides, phorbol myristate acetate, and zymosan induce the myristoylation of specific macrophage proteins. Aderem AA, et al. **Proc Natl Acad Sci USA** 1986 Aug;83(16):5817-21

Intraperitoneal injection of zymosan in mice induces pain, inflammation and the synthesis of peptidoleukotrienes and prostaglandin E2. Doherty NS, et al. **Prostaglandins** 1985 Nov;30(5):769-89

[Reaction of rat pulmonary macrophages to stimulation by zymosan] Shishkina LN, et al. **Biull Eksp Biol Med** 1985 Oct;100(10):454-7 (Eng. Abstr.) **(Rus)**

[Effect of polysaccharides on the cyclic nucleotide content and phosphodiesterase activity in the organs of mice with Lewis lung carcinoma] Veksler IG, et al. **Biull Eksp Biol Med** 1985 Nov;100(11):605-7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

[Effects of antihistamine on acute lung injury caused by activating-complement] Koyama S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jan;24(1):36-41 (Eng. Abstr.) **(Jpn)**

TOXICITY

[Sensitivity of zymosan-induced mononuclear liver infiltrates to hydrocortisone] Maianskii DN, et al. **Farmakol Toksikol** 1986 Mar-Apr;49(2):68-71 (Eng. Abstr.) **(Rus)**